

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064751.D
 Acq On : 04 Jan 2020 00:38
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:04 AM

Quant Time: Jan 06 07:52:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	349723	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	532041	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	240795	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	182344	59.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.26%	
35) Dibromofluoromethane	7.92	113	178334	54.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.26%	
50) Toluene-d8	10.34	98	661236	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	216398	54.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49515	18.218	ug/l	95
3) Chloromethane	2.21	50	82435	21.687	ug/l	97
4) Vinyl Chloride	2.35	62	94650	20.423	ug/l	96
5) Bromomethane	2.76	94	71384	21.184	ug/l	93
6) Chloroethane	2.91	64	68541	22.071	ug/l	93
7) Trichlorofluoromethane	3.27	101	158932	20.367	ug/l	99
8) Diethyl Ether	3.70	74	33829	21.831	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	64854	20.068	ug/l	97
10) Methyl Iodide	4.29	142	66678	19.208	ug/l	99
11) Tert butyl alcohol	5.26	59	20632	116.740	ug/l	98
12) 1,1-Dichloroethene	4.06	96	61190	19.887	ug/l	92
13) Acrolein	3.92	56	22064	89.579	ug/l	97
14) Allyl chloride	4.71	41	99196	20.678	ug/l	98
15) Acrylonitrile	5.43	53	74313	115.131	ug/l	98
16) Acetone	4.16	43	62213	91.598	ug/l	96
17) Carbon Disulfide	4.40	76	193350	19.435	ug/l	98
18) Methyl Acetate	4.73	43	39699	22.866	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	151816	22.215	ug/l	97
20) Methylene Chloride	4.96	84	81446	23.205	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	72357	20.650	ug/l	93
22) Diisopropyl ether	6.37	45	215127	22.483	ug/l	95
23) Vinyl Acetate	6.31	43	585918	107.949	ug/l	99
24) 1,1-Dichloroethane	6.27	63	127388	22.177	ug/l	96
25) 2-Butanone	7.22	43	91371	107.791	ug/l	93
26) 2,2-Dichloropropane	7.21	77	99687	18.666	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	83382	22.049	ug/l	99
28) Bromochloromethane	7.55	49	48739	21.827	ug/l	99
29) Tetrahydrofuran	7.57	42	59511	112.893	ug/l	97
30) Chloroform	7.71	83	136200	22.600	ug/l	99
31) Cyclohexane	7.98	56	108563	18.881	ug/l	# 96
32) 1,1,1-Trichloroethane	7.90	97	117270	20.717	ug/l	98
36) 1,1-Dichloropropene	8.11	75	101643	19.849	ug/l	98
37) Ethyl Acetate	7.30	43	40911	20.336	ug/l	96
38) Carbon Tetrachloride	8.10	117	108235	19.822	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	110332	17.789	ug/l	99
40) Benzene	8.35	78	292984	20.958	ug/l	99
41) Methacrylonitrile	7.53	41	21233	18.191	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	89708	22.207	ug/l	99
43) Isopropyl Acetate	8.46	43	81995	20.477	ug/l	99
44) Trichloroethene	9.11	130	81807	19.920	ug/l	95
45) 1,2-Dichloropropane	9.39	63	72236	21.642	ug/l	97
46) Dibromomethane	9.48	93	39960	21.473	ug/l	96
47) Bromodichloromethane	9.67	83	107319	21.672	ug/l	96
48) Methyl methacrylate	9.46	41	38985	20.677	ug/l	93
49) 1,4-Dioxane	9.47	88	8149	379.770	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	209605	105.904	ug/l	100
52) Toluene	10.40	92	186092	20.290	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	96100	20.816	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	114256	20.988	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53282	21.246	ug/l	94
56) Ethyl methacrylate	10.67	69	66526	21.240	ug/l	97
57) 1,3-Dichloropropane	10.95	76	91674	21.230	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	136040	114.004	ug/l	100
59) 2-Hexanone	10.99	43	137066	102.035	ug/l	99
60) Dibromochloromethane	11.14	129	74468	21.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	52964	21.412	ug/l	99
64) Tetrachloroethene	10.88	164	76582	20.648	ug/l	97
65) Chlorobenzene	11.67	112	206262	20.556	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	76148	20.131	ug/l	97
67) Ethyl Benzene	11.75	91	353527	19.412	ug/l	99
68) m/p-Xylenes	11.86	106	268622	38.213	ug/l	97
69) o-Xylene	12.18	106	122157	19.239	ug/l	96
70) Styrene	12.20	104	221899	19.910	ug/l	99
71) Bromoform	12.37	173	44251	20.514	ug/l #	97
73) Isopropylbenzene	12.48	105	329001	19.119	ug/l	100
74) N-amyl acetate	12.30	43	75077	20.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59571	22.037	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	37421m	19.680	ug/l	
77) Bromobenzene	12.77	156	86918	20.557	ug/l	98
78) n-propylbenzene	12.83	91	390715	19.463	ug/l	99
79) 2-Chlorotoluene	12.91	91	224439	20.352	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	275776	19.510	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17843	19.626	ug/l	98
82) 4-Chlorotoluene	13.01	91	233435	19.891	ug/l	98
83) tert-Butylbenzene	13.23	119	233353	19.014	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	287532	20.424	ug/l	97
85) sec-Butylbenzene	13.41	105	317585	18.875	ug/l	100
86) p-Isopropyltoluene	13.53	119	306312	19.039	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161117	19.989	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	159426	20.134	ug/l	98
89) n-Butylbenzene	13.86	91	273039	18.846	ug/l	99
90) Hexachloroethane	14.12	117	62897	20.466	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	139250	20.260	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9216	21.031	ug/l	91

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	98021	19.369	ug/l	99
94) Hexachlorobutadiene	15.28	225	57341	18.006	ug/l	98
95) Naphthalene	15.41	128	151318	18.900	ug/l	96
96) 1,2,3-Trichlorobenzene	15.61	180	85423	19.772	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

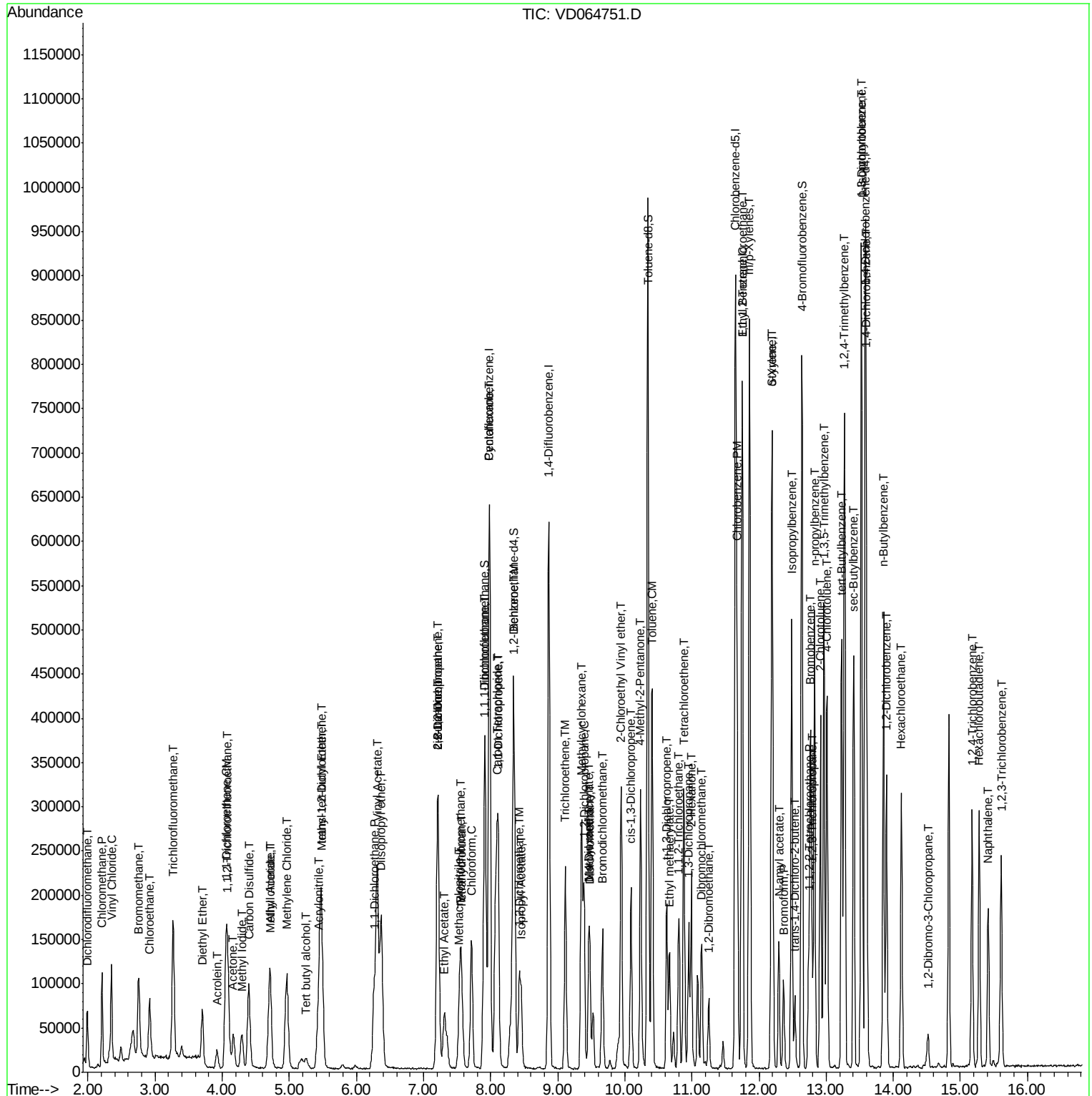
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Data File : VD064751.D
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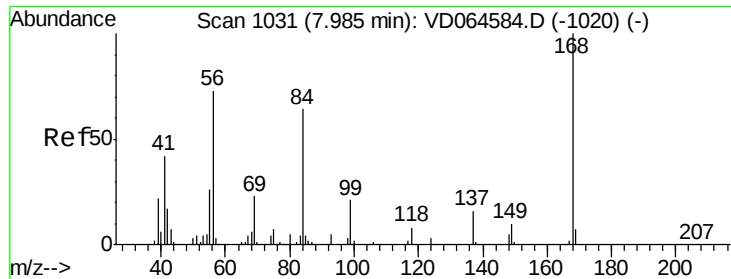
Instrument :
MSVOA_D
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 168 Resp: 349723

Ion Ratio Lower Upper

168 100

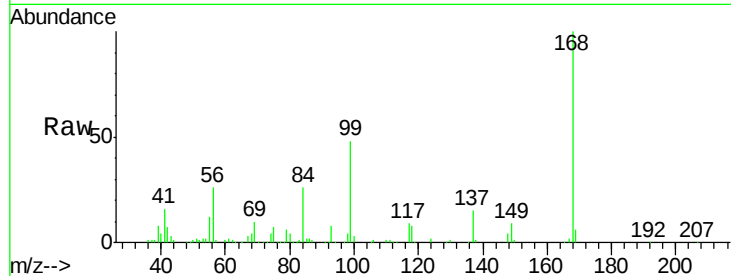
99 48.1 41.8 62.6

Manual Integrations

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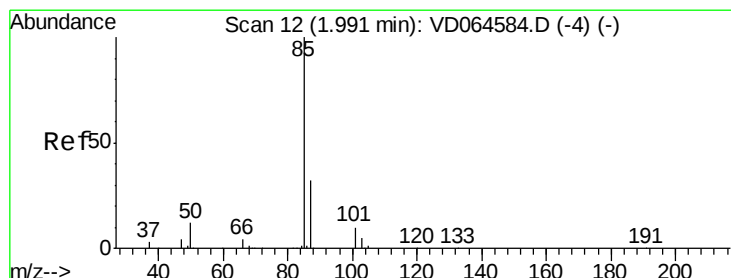
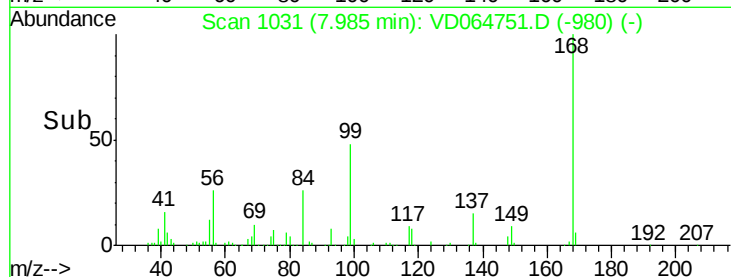
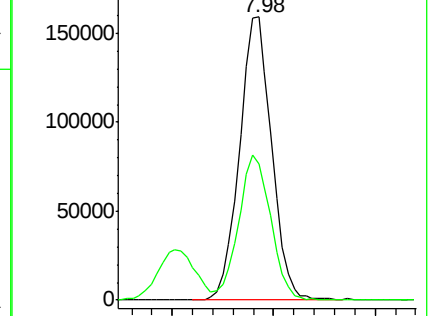
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.218 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064751.D

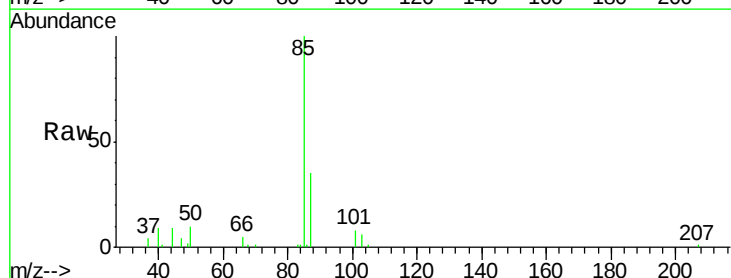
Acq: 04 Jan 2020 00:38

Tgt Ion: 85 Resp: 49515

Ion Ratio Lower Upper

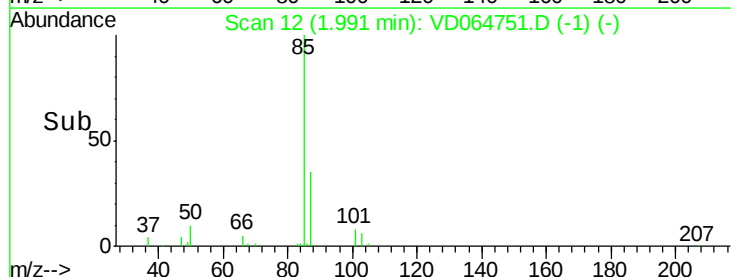
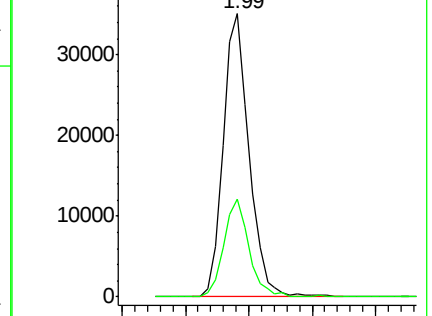
85 100

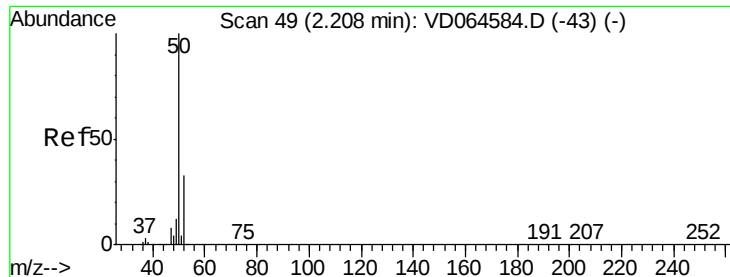
87 34.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.687 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 50 Resp: 82435

Ion Ratio Lower Upper

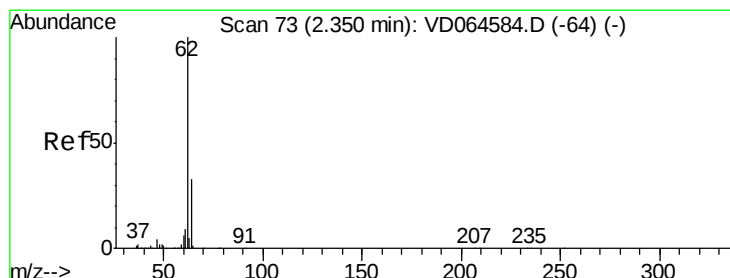
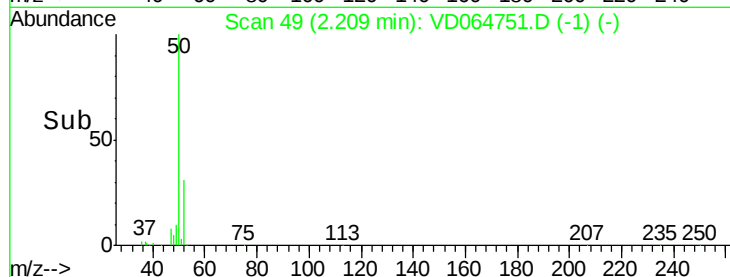
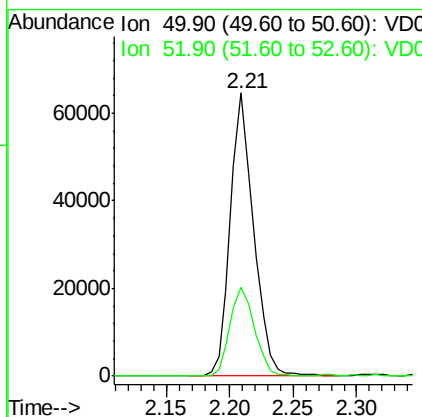
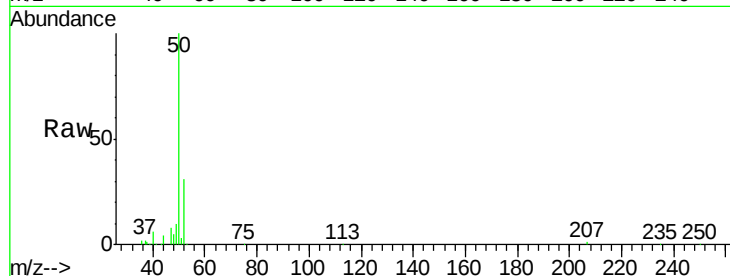
50 100

52 31.4 26.5 39.7

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#4

Vinyl Chloride

Concen: 20.423 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064751.D

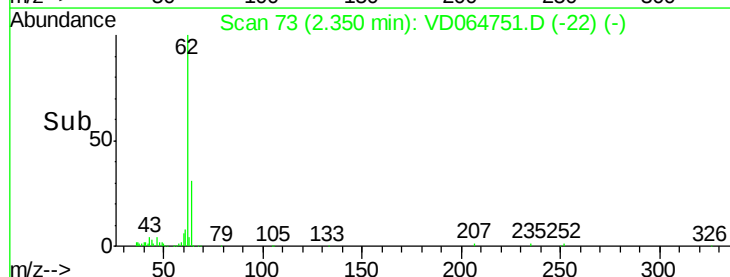
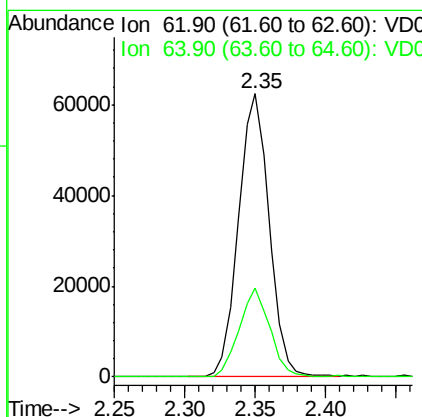
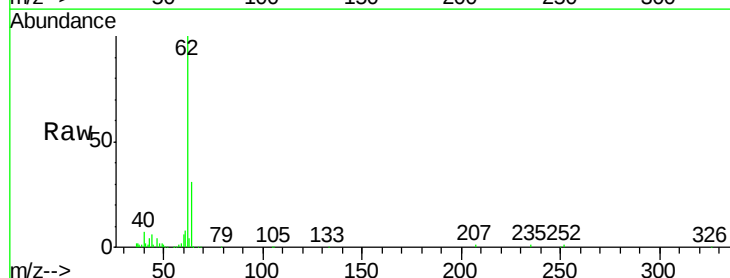
Acq: 04 Jan 2020 00:38

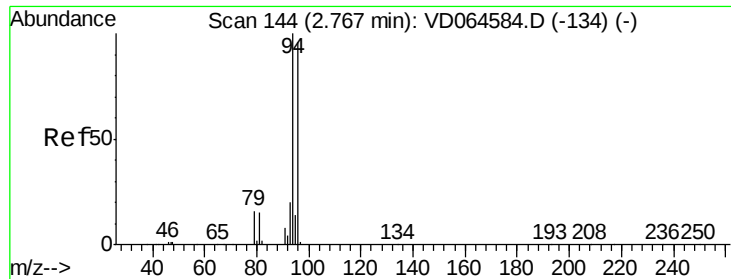
Tgt Ion: 62 Resp: 94650

Ion Ratio Lower Upper

62 100

64 31.2 26.6 40.0





#5

Bromomethane

Concen: 21.184 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

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Tgt Ion: 94 Resp: 71384

Ion Ratio Lower Upper

94 100

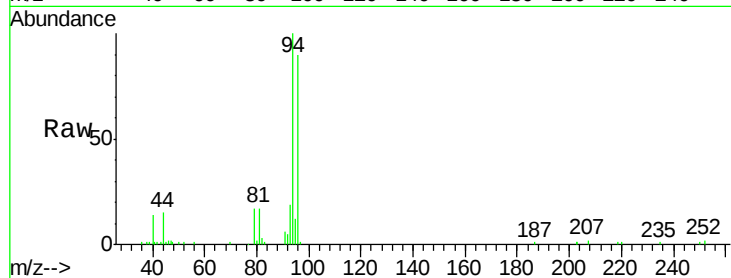
96 89.8 77.2 115.8

Manual Integrations

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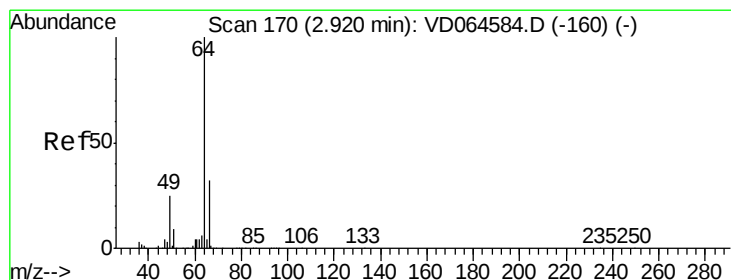
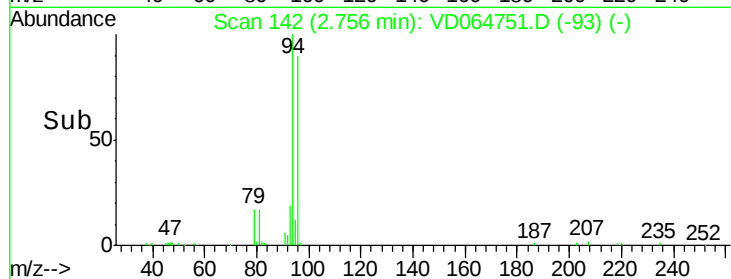
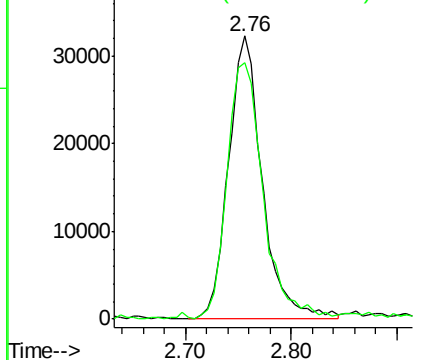
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.071 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064751.D

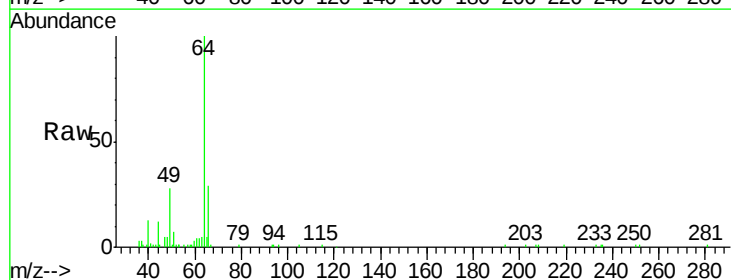
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Tgt Ion: 64 Resp: 68541

Ion Ratio Lower Upper

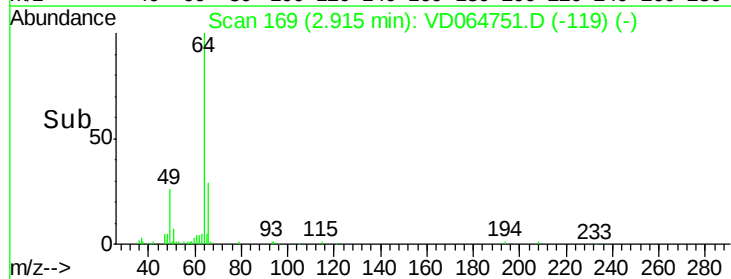
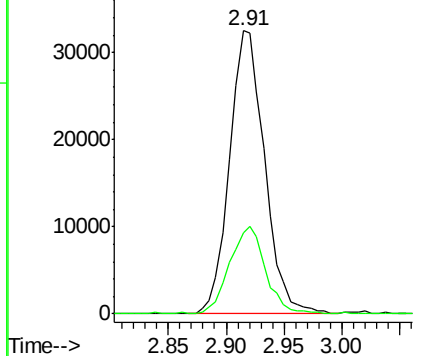
64 100

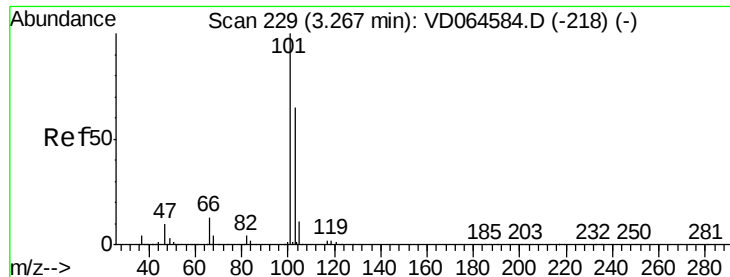
66 28.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

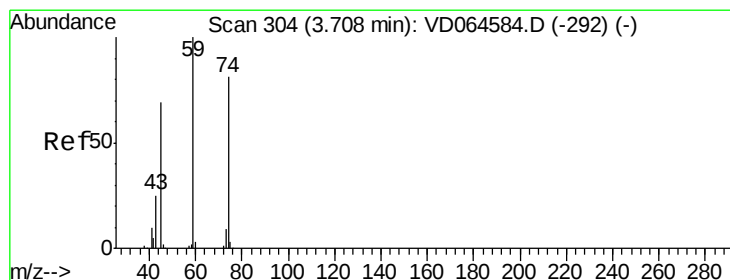
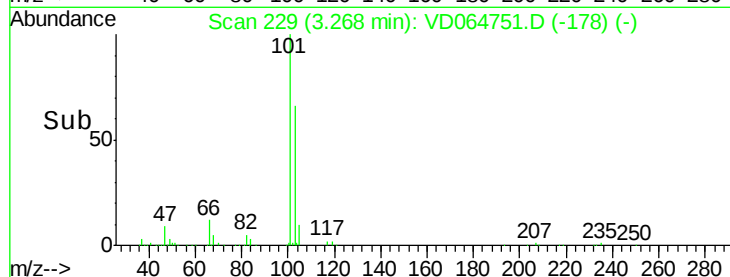
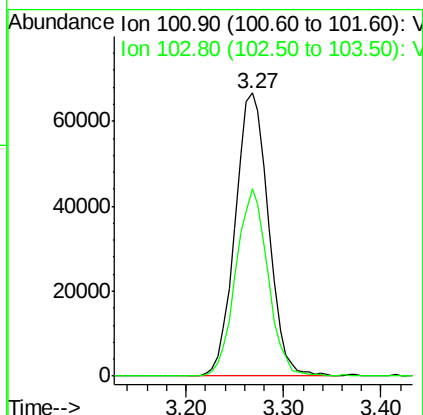
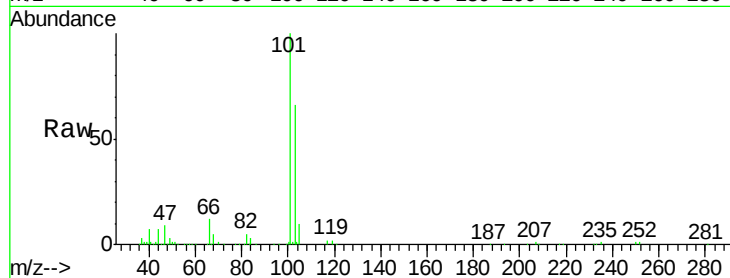
Trichlorofluoromethane
Concen: 20.367 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.4	52.2	78.4

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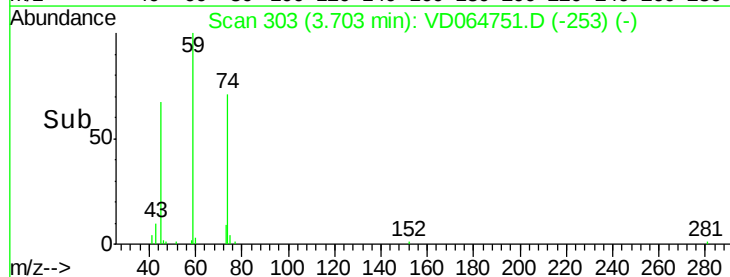
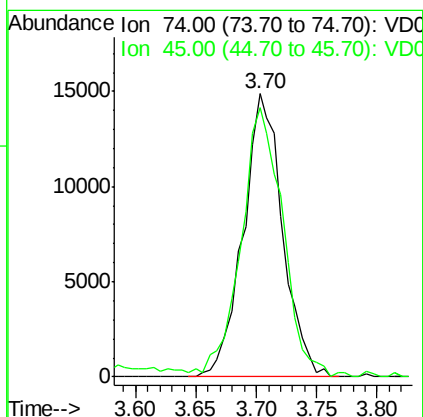
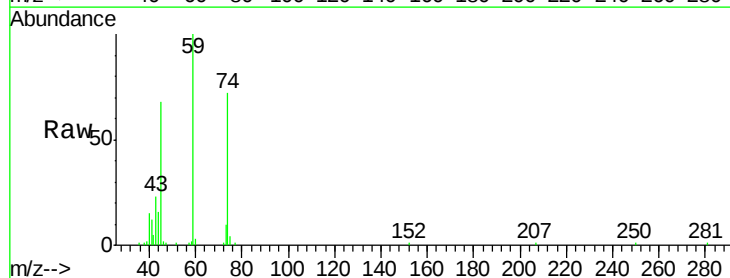
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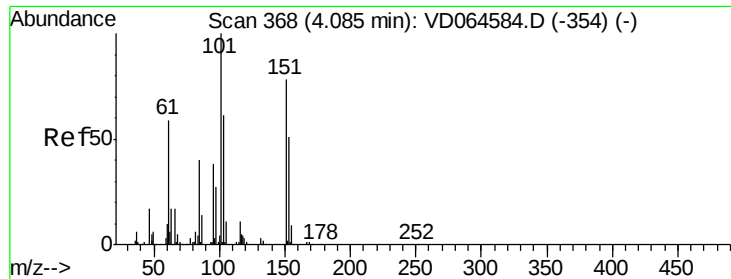


#8

Diethyl Ether
Concen: 21.831 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.068 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064751.D

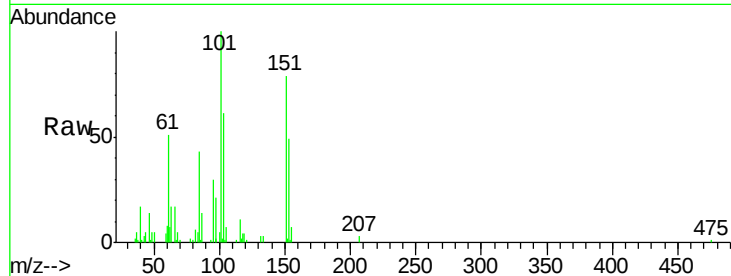
Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

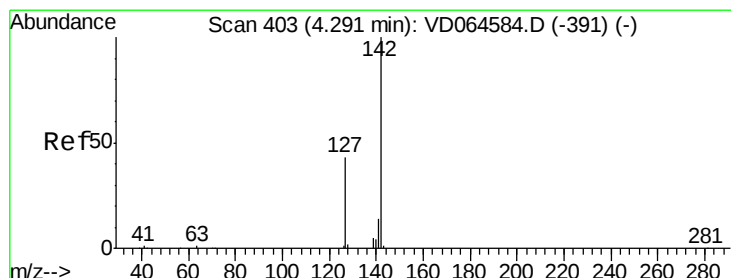
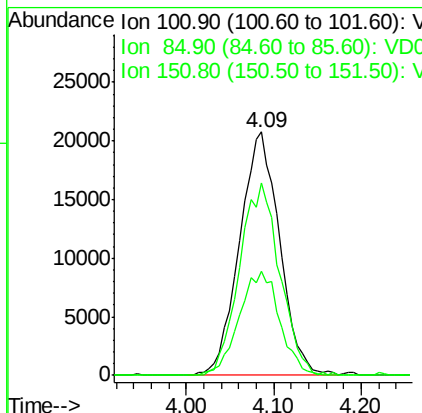
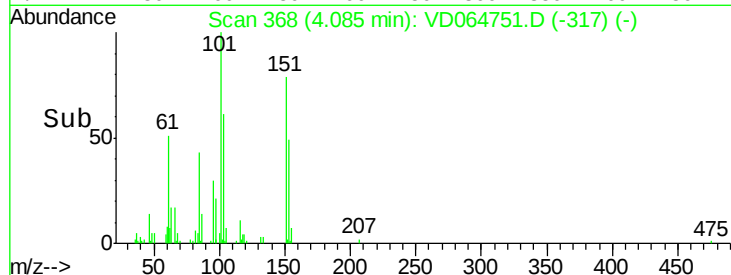
VD0103SBS02



Tgt Ion:	101	Resp:	64854
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.2	52.8
151	79.3	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

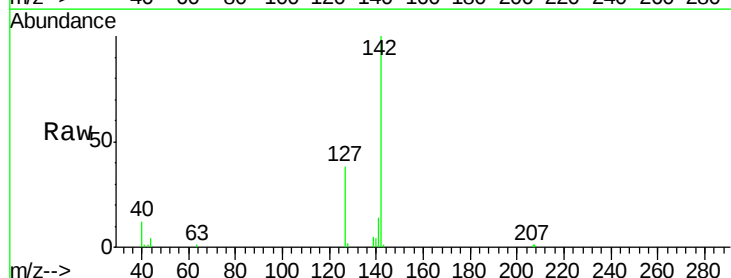
Concen: 19.208 ug/l

RT: 4.29 min Scan# 402

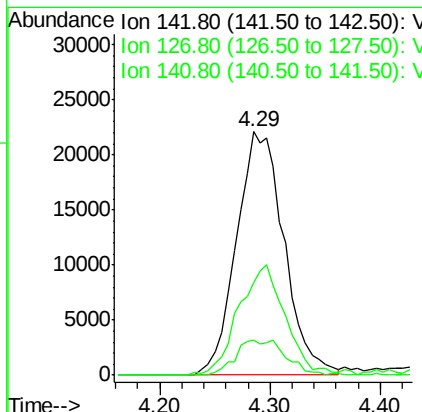
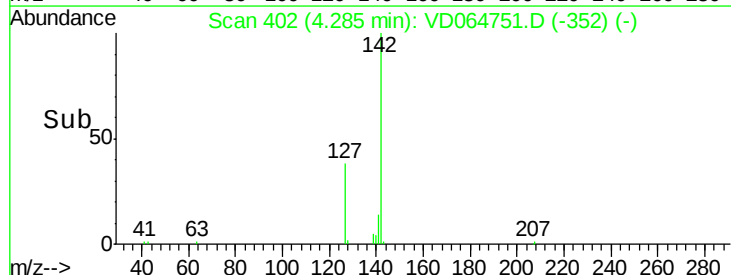
Delta R.T. -0.01 min

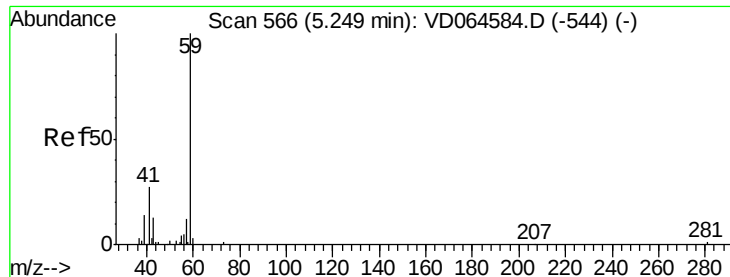
Lab File: VD064751.D

Acq: 04 Jan 2020 00:38



Tgt Ion:	142	Resp:	66678
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.2	54.4
141	15.1	11.8	17.8





#11

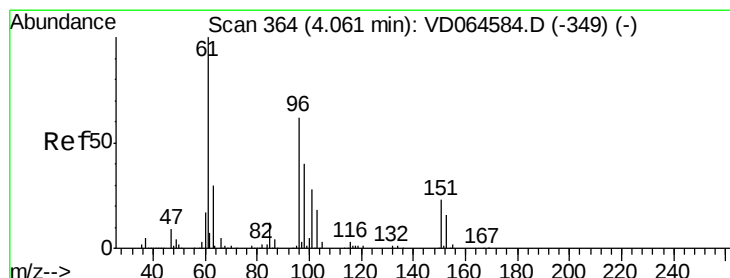
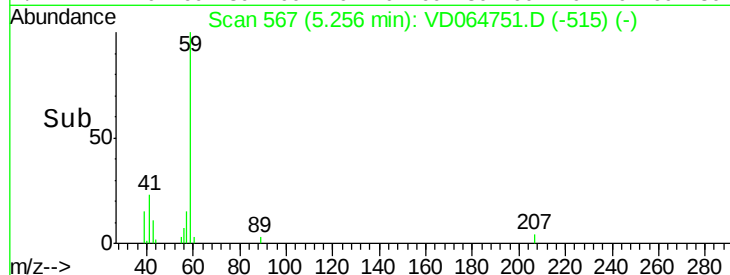
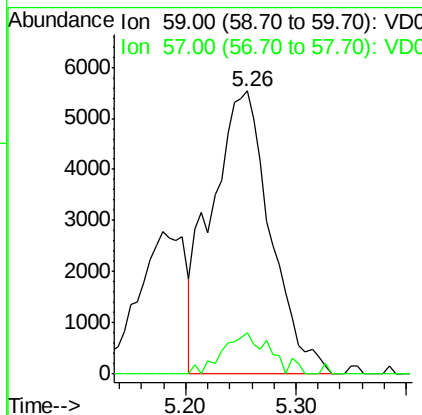
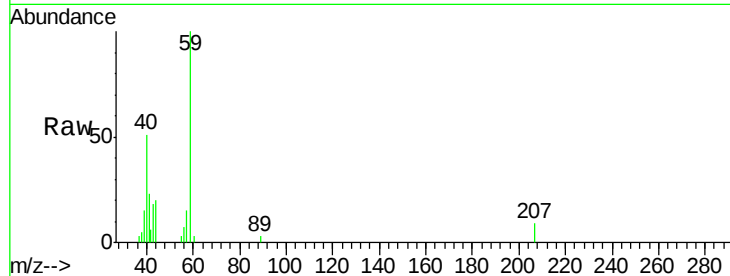
Tert butyl alcohol
 Concen: 116.740 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion: 59 Resp: 20632
 Ion Ratio Lower Upper
 59 100
 57 10.9 9.3 13.9

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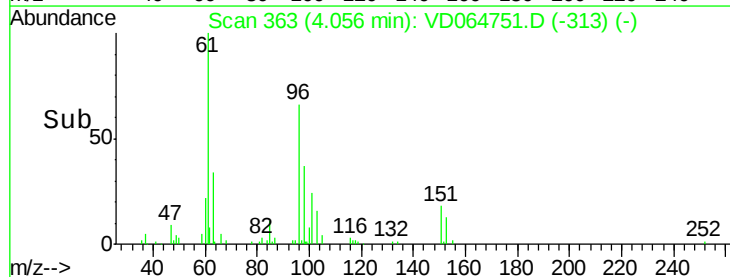
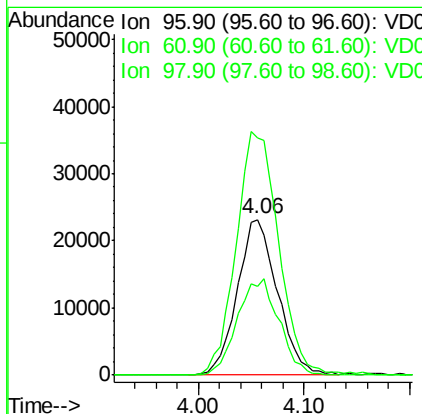
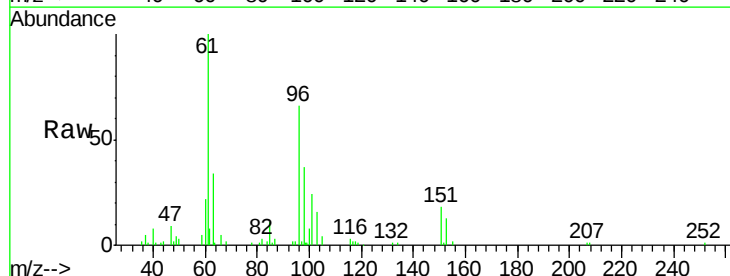
apatel
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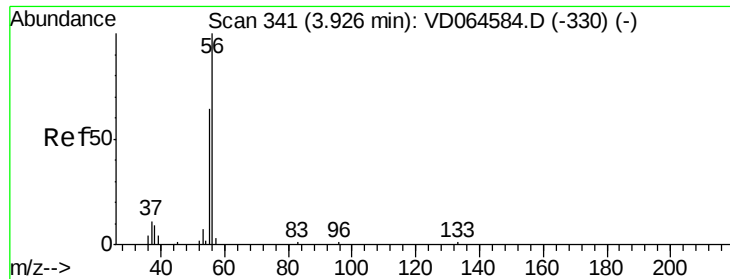


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 96 Resp: 61190
 Ion Ratio Lower Upper
 96 100
 61 152.4 129.4 194.0
 98 57.0 51.4 77.0





#13

Acrolein

Concen: 89.579 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 56 Resp: 22064

Ion Ratio Lower Upper

56 100

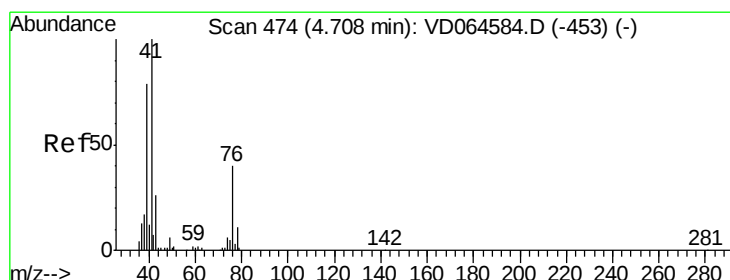
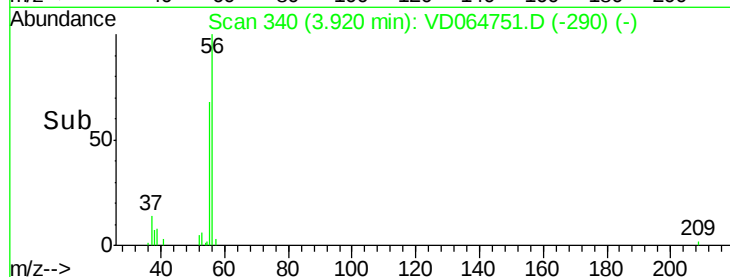
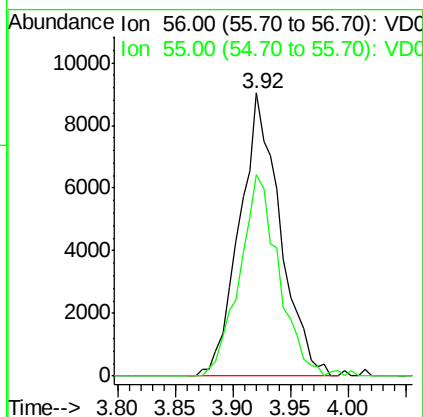
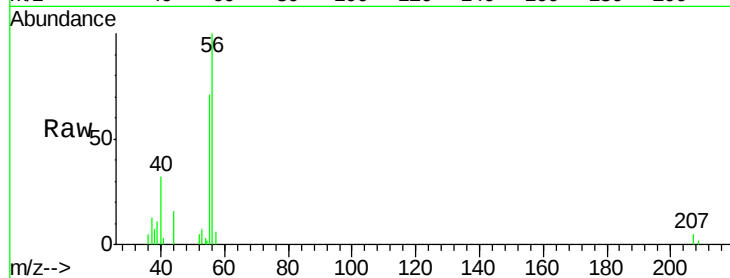
55 68.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.678 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

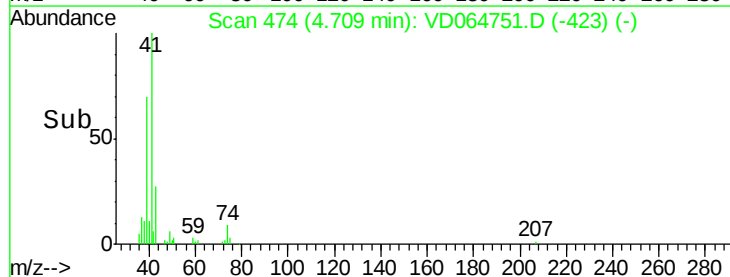
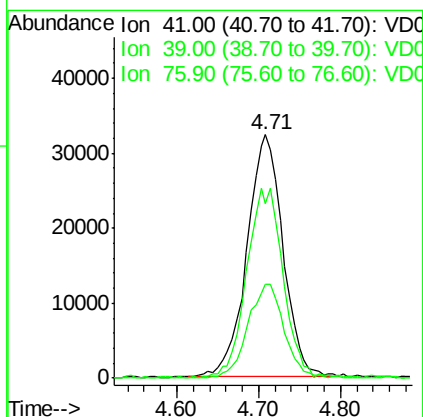
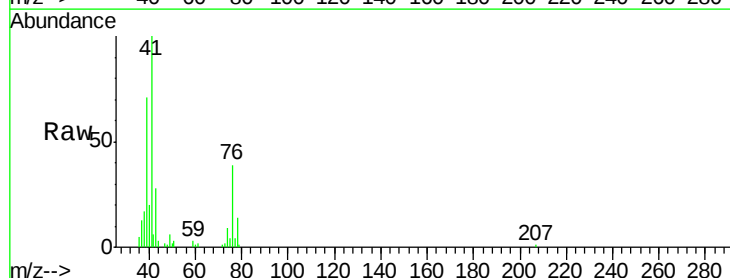
Tgt Ion: 41 Resp: 99196

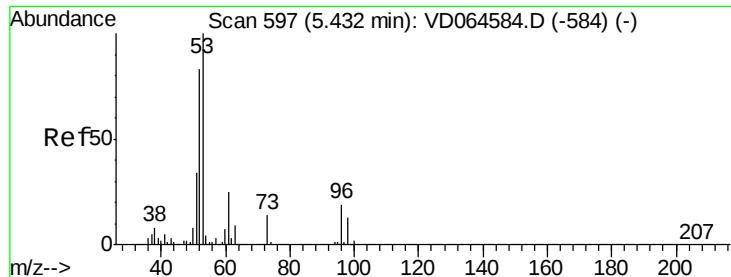
Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

76 38.7 29.7 44.5





#15

Acrylonitrile

Concen: 115.131 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

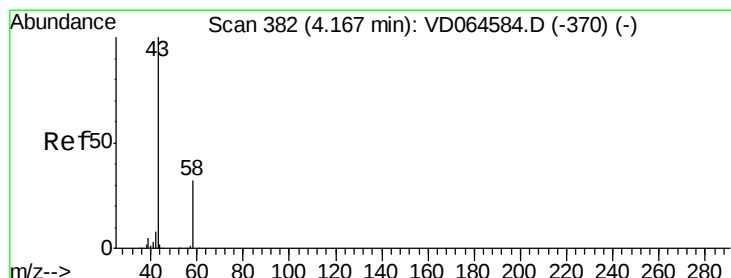
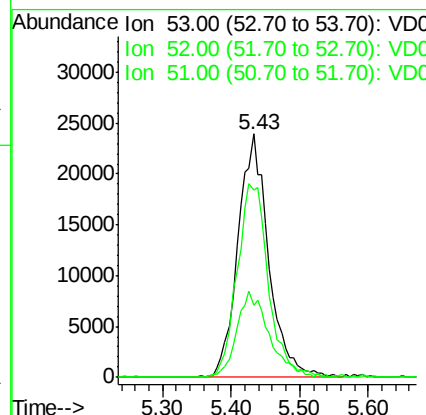
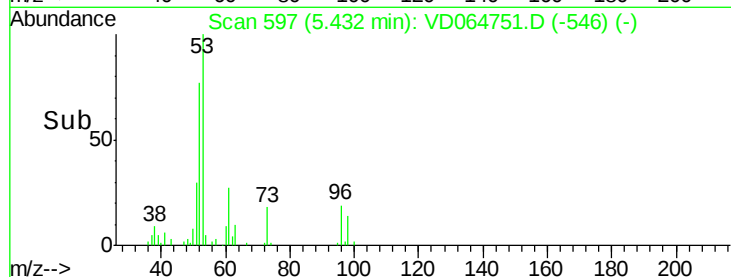
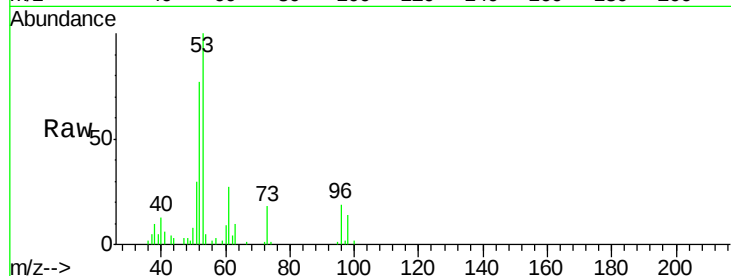
ClientSampleId :

VD0103SBS02

Tgt Ion:	53	Resp:	74313
Ion Ratio	Lower	Upper	
53	100		
52	80.5	66.2	99.2
51	38.0	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 91.598 ug/l

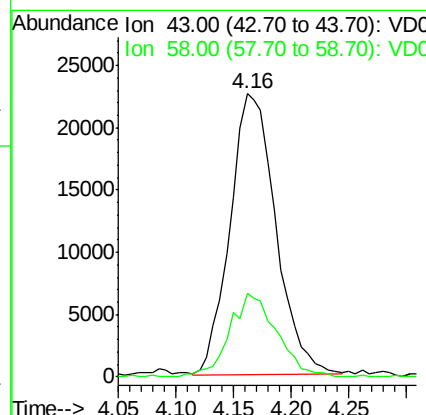
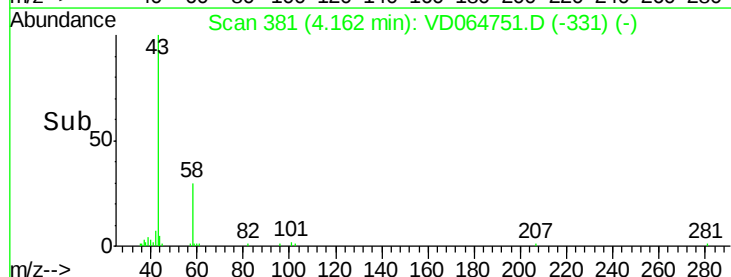
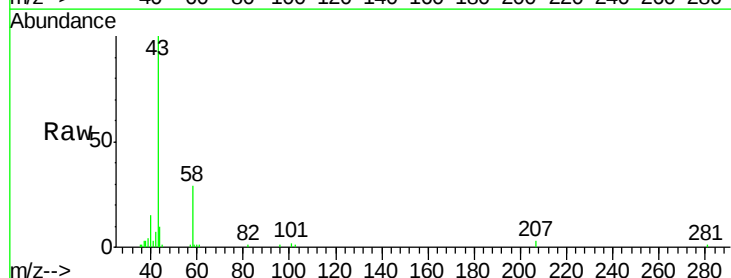
RT: 4.16 min Scan# 381

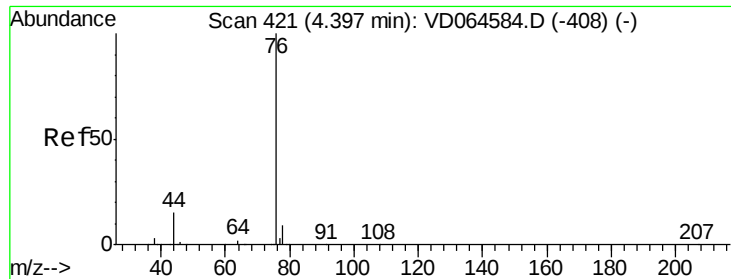
Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion:	43	Resp:	62213
Ion Ratio	Lower	Upper	
43	100		
58	29.8	25.8	38.6





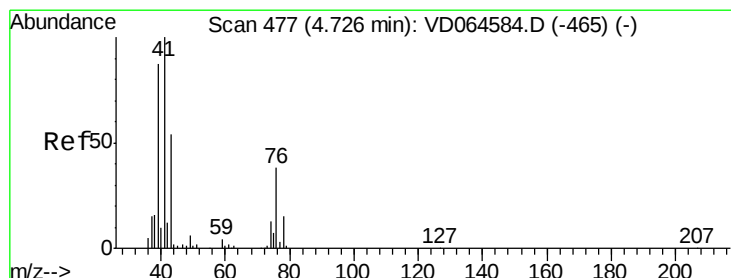
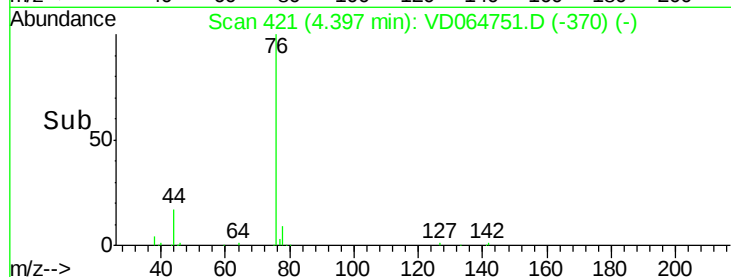
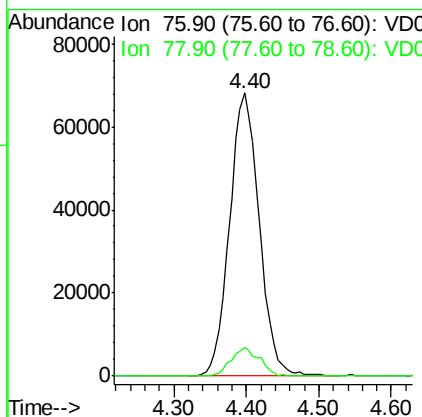
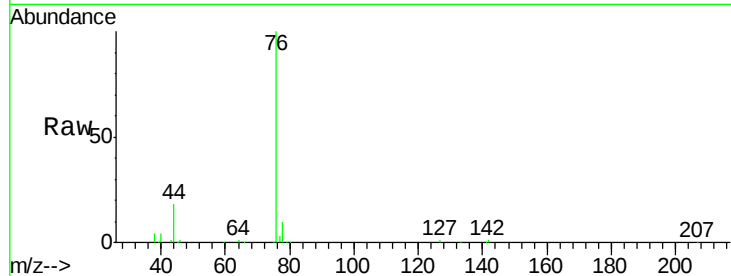
#17
Carbon Disulfide
Concen: 19.435 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 76 Resp: 193350
Ion Ratio Lower Upper
76 100
78 10.0 7.3 10.9

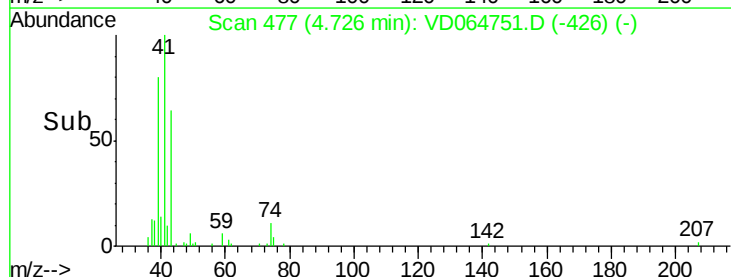
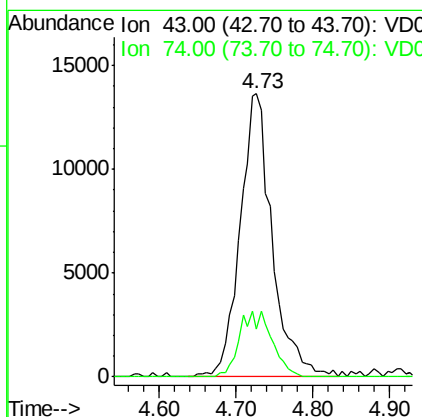
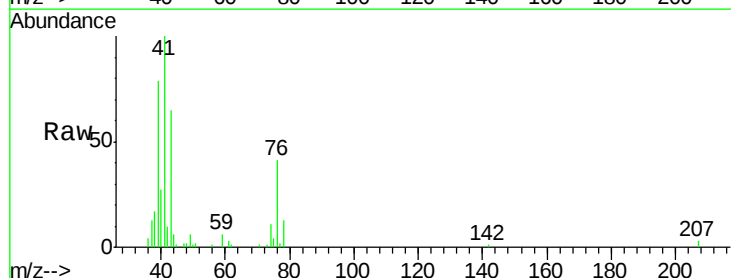
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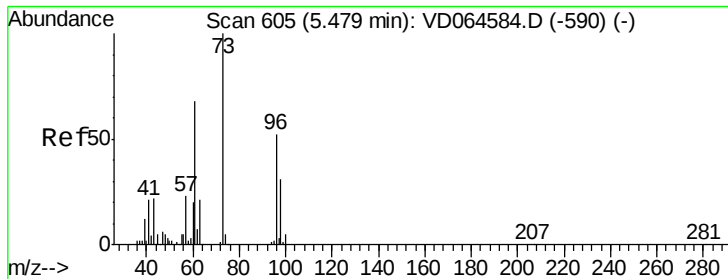
apatel
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#18
Methyl Acetate
Concen: 22.866 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 43 Resp: 39699
Ion Ratio Lower Upper
43 100
74 23.5 19.2 28.8





#19

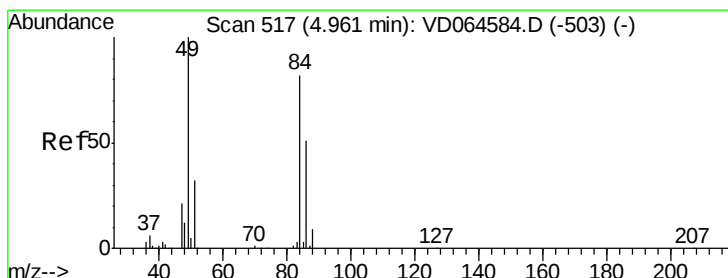
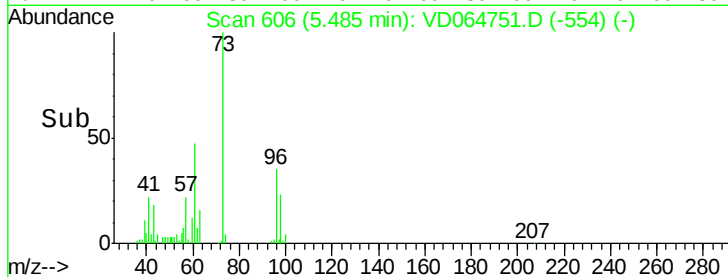
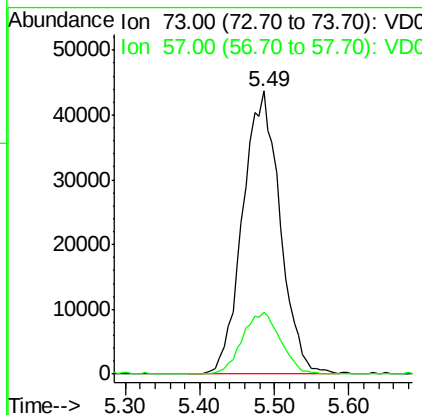
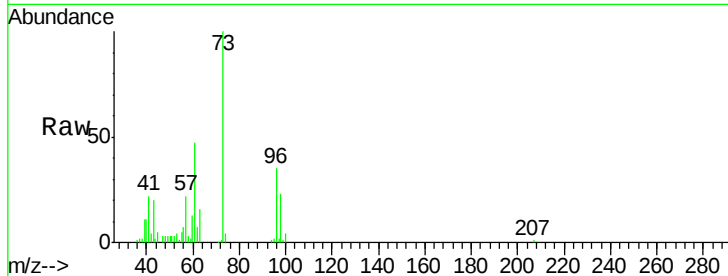
Methyl tert-butyl Ether
 Concen: 22.215 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	27.8

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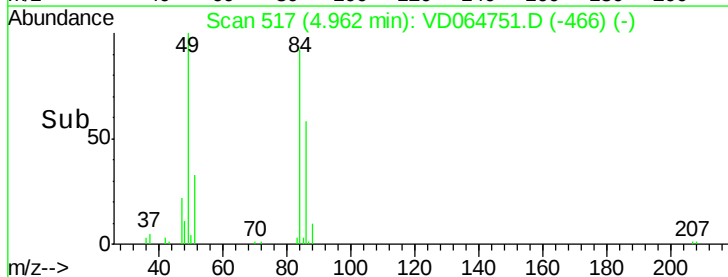
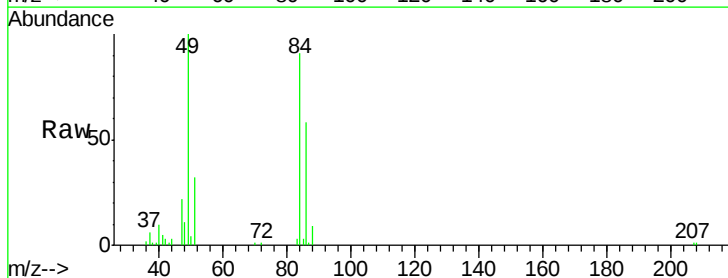
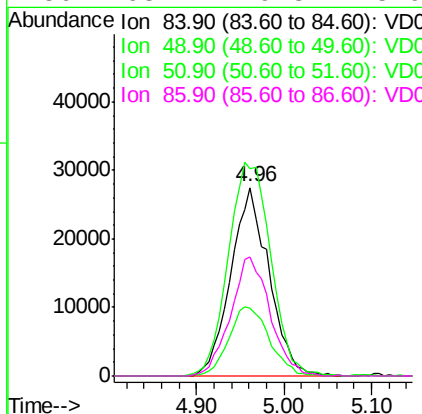
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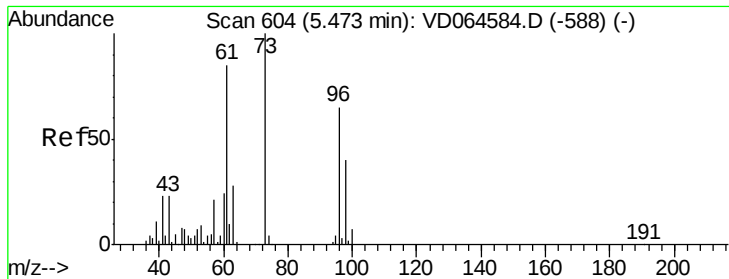


#20

Methylene Chloride
 Concen: 23.205 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.2	97.2	145.8
51	35.6	31.4	47.0
86	63.4	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 20.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

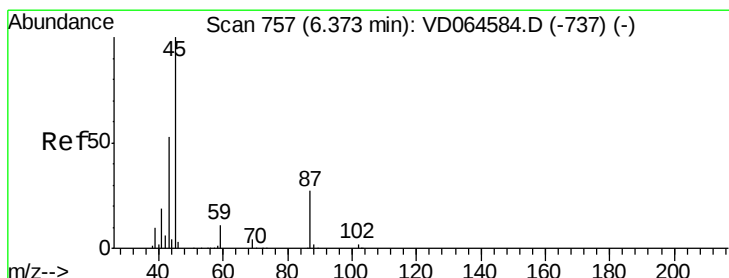
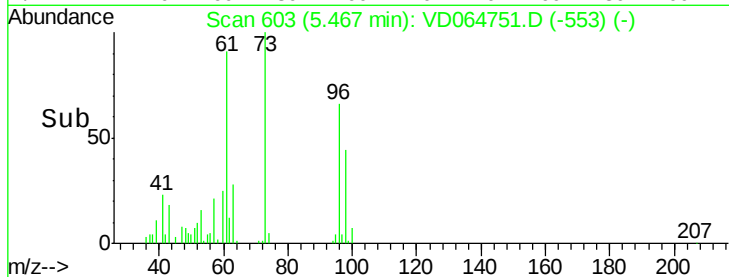
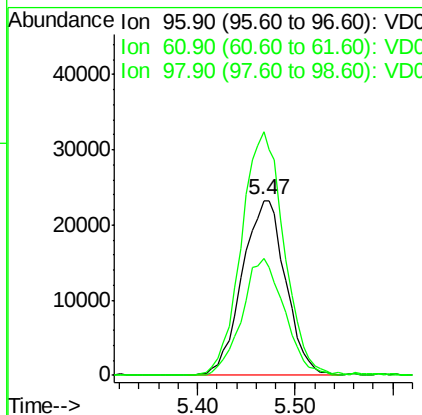
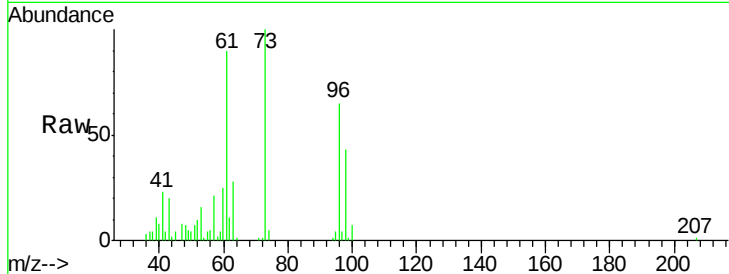
ClientSampleId :

VD0103SBS02

Tgt Ion:	96	Resp:	72357
Ion	Ratio	Lower	Upper
96	100		
61	139.2	104.7	157.1
98	66.5	49.4	74.2

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#22

Diisopropyl ether

Concen: 22.483 ug/l

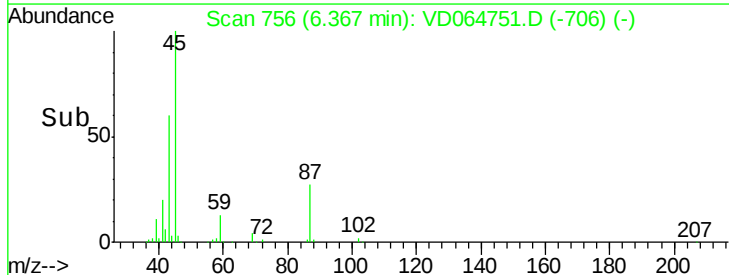
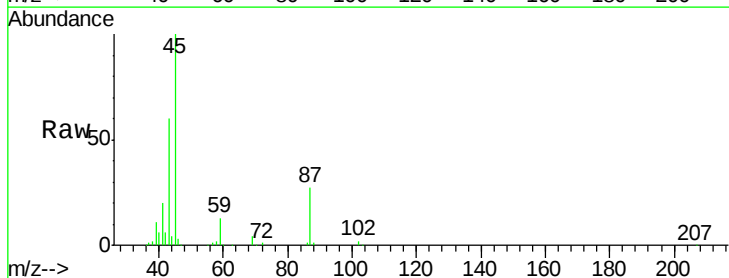
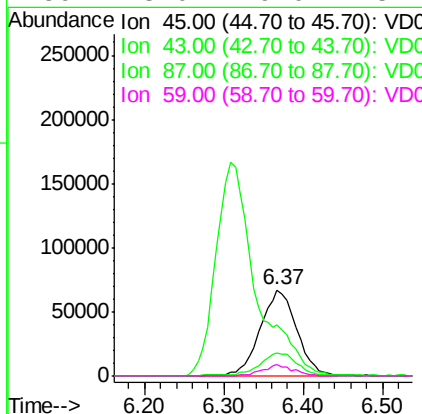
RT: 6.37 min Scan# 756

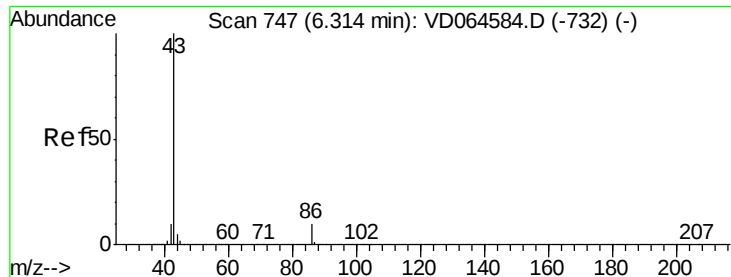
Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion:	45	Resp:	215127
Ion	Ratio	Lower	Upper
45	100		
43	58.2	43.2	64.8
87	26.3	21.9	32.9
59	13.0	9.0	13.4





#23

Vinyl Acetate

Concen: 107.949 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 43 Resp: 585918

Ion Ratio Lower Upper

43 100

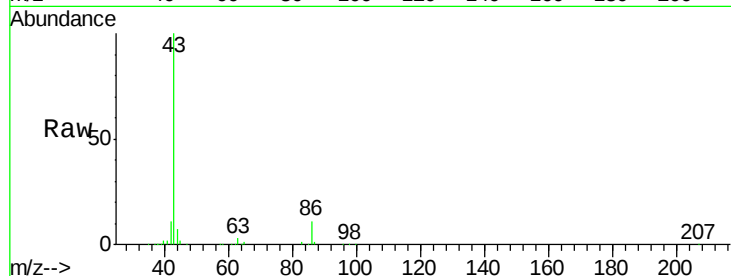
86 10.6 8.3 12.5

Manual Integrations

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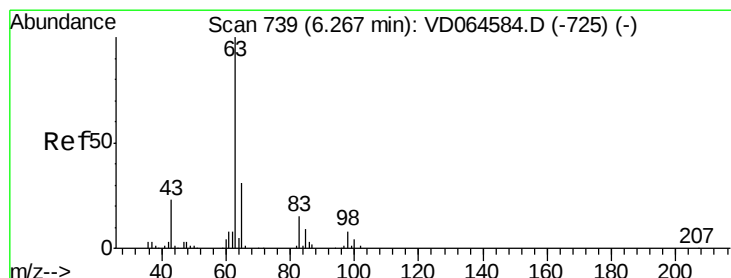
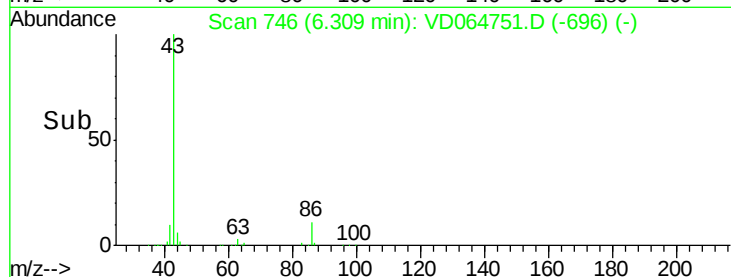
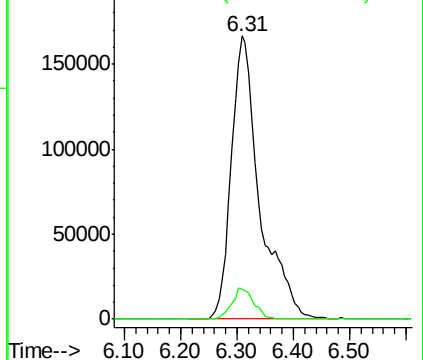
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.177 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

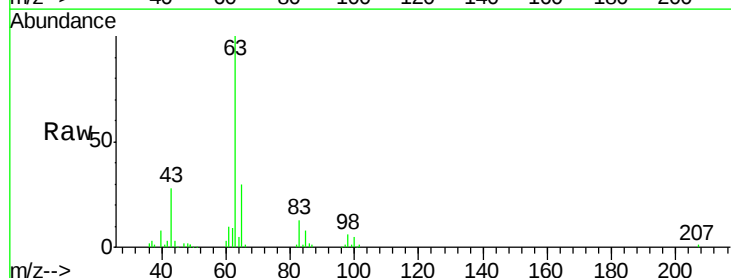
Tgt Ion: 63 Resp: 127388

Ion Ratio Lower Upper

63 100

98 6.4 4.1 12.3

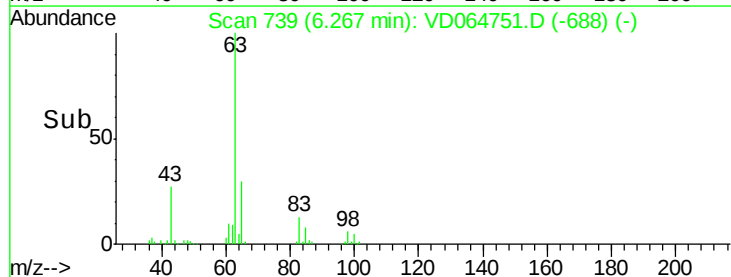
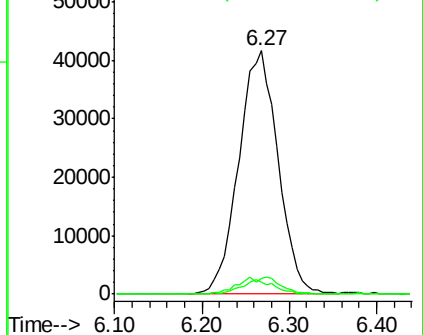
100 4.7 2.2 6.6

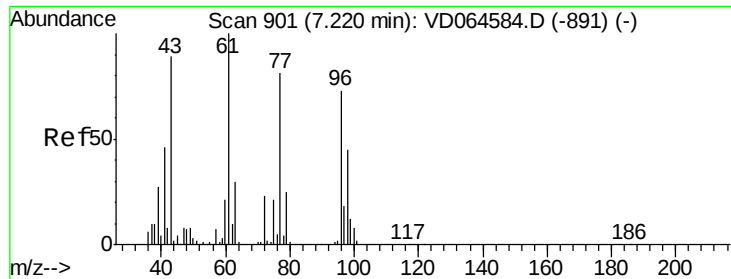


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 107.791 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 43 Resp: 91371

Ion Ratio Lower Upper

43 100

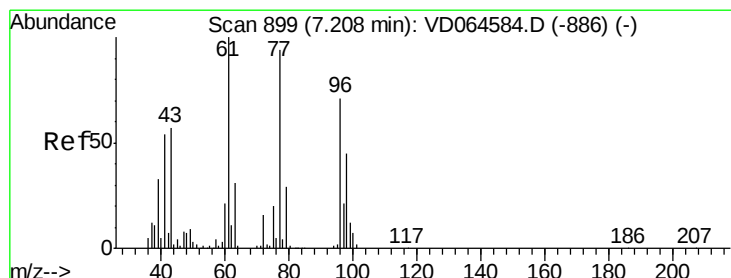
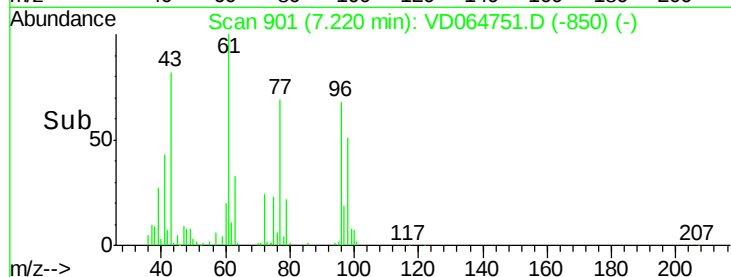
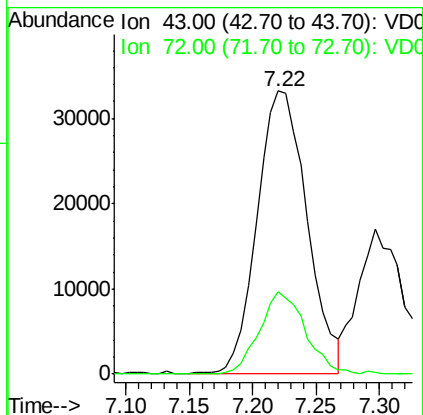
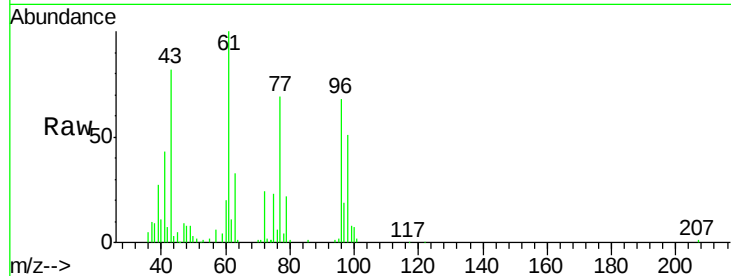
72 29.3 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 18.666 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064751.D

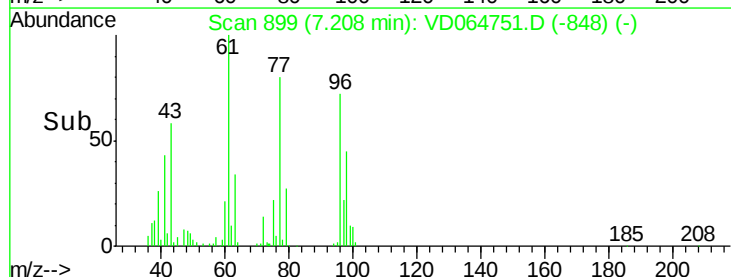
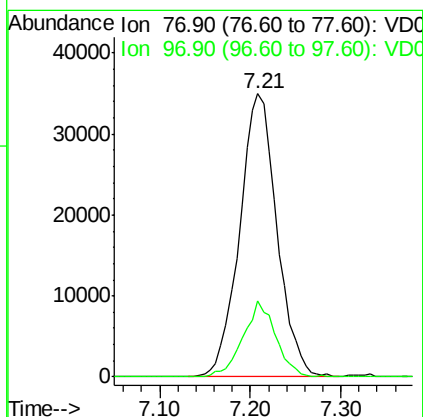
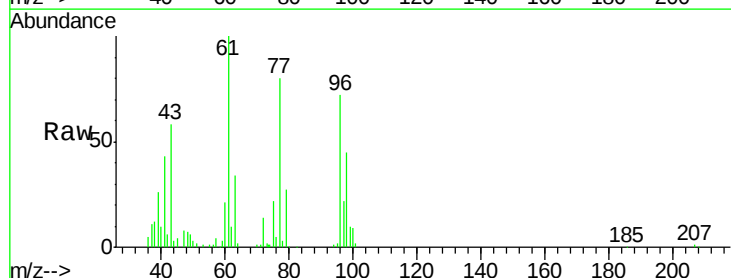
Acq: 04 Jan 2020 00:38

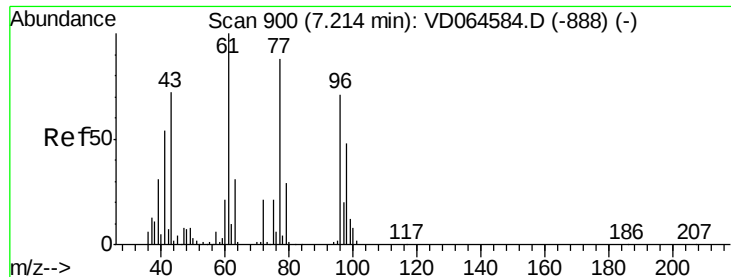
Tgt Ion: 77 Resp: 99687

Ion Ratio Lower Upper

77 100

97 23.4 11.2 33.6





#27

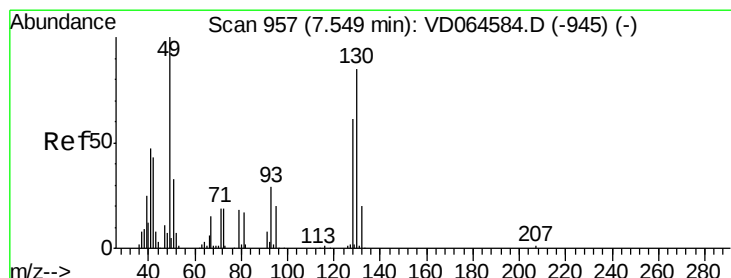
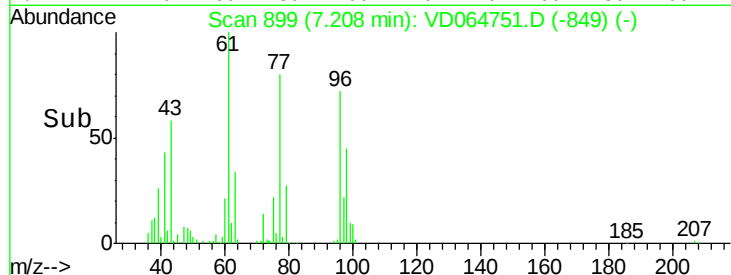
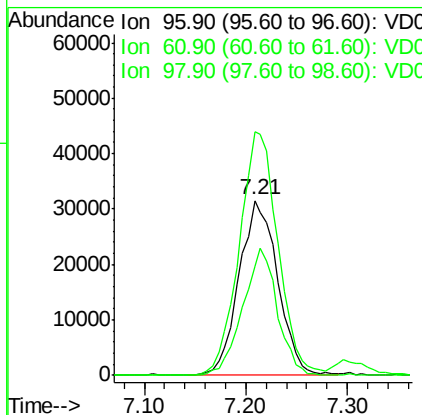
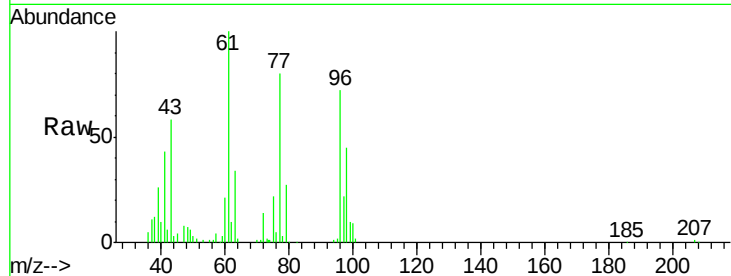
cis-1,2-Dichloroethene
 Concen: 22.049 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	83382		
61	139.8	0.0	282.6	
98	65.0	0.0	130.8	

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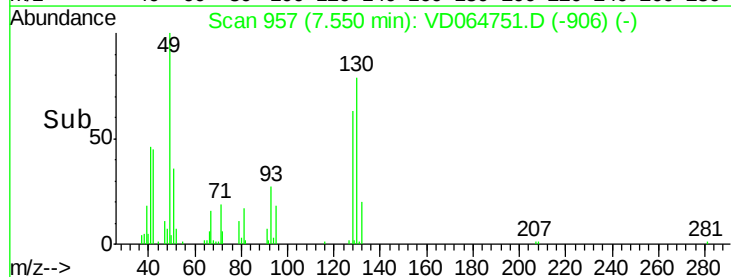
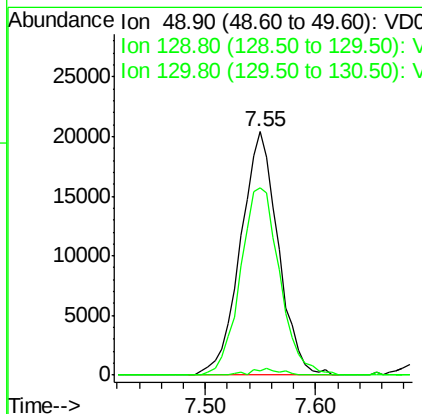
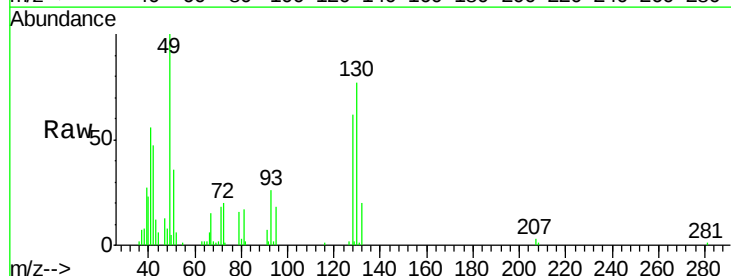
apatel
 1/6/2020 10:50:04 AM

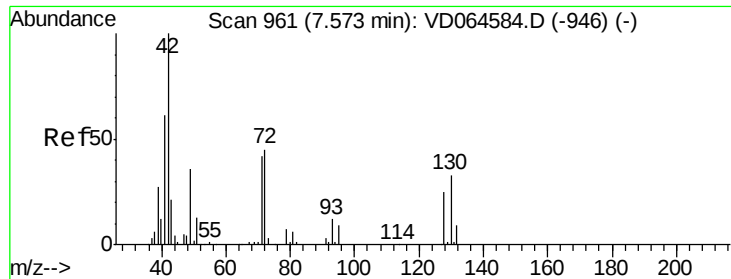


#28

Bromochloromethane
 Concen: 21.827 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	48739		
129	2.1	0.0	4.8	
130	80.7	65.0	97.6	





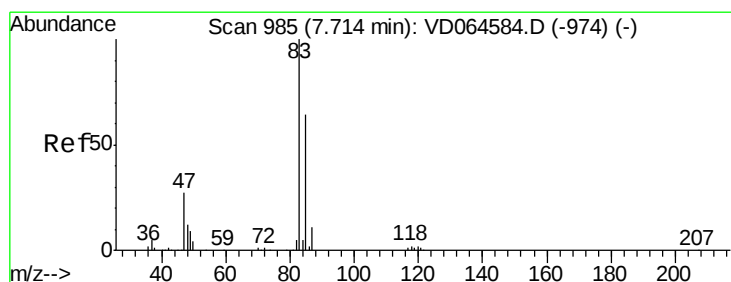
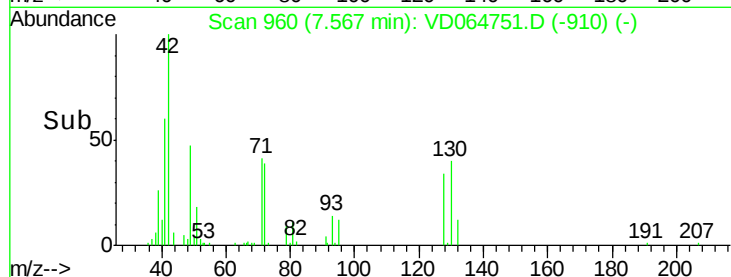
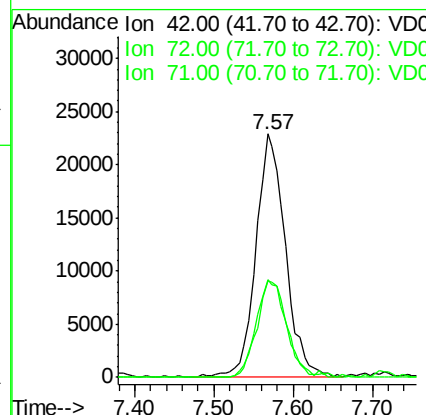
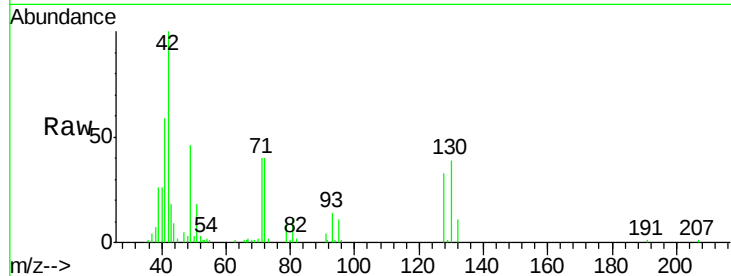
#29
Tetrahydrofuran
Concen: 112.893 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.4	35.0	52.4
71	39.7	32.9	49.3

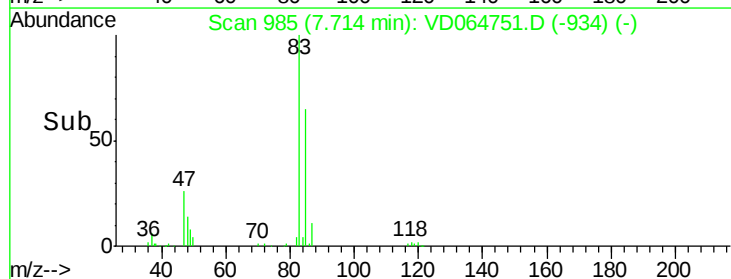
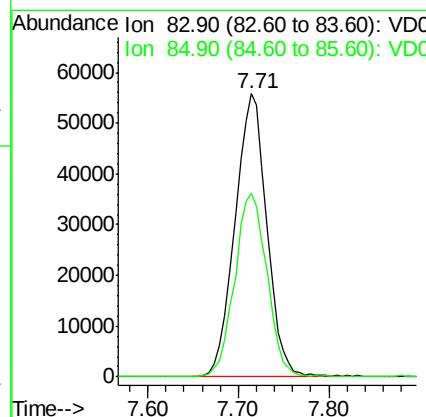
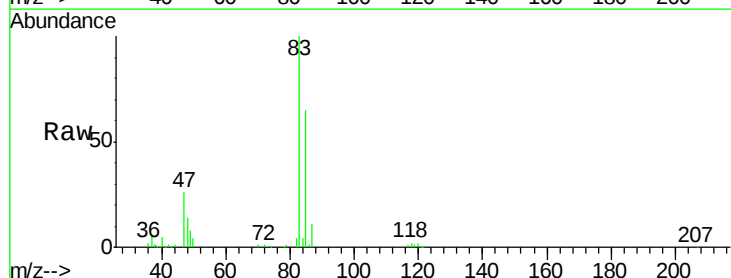
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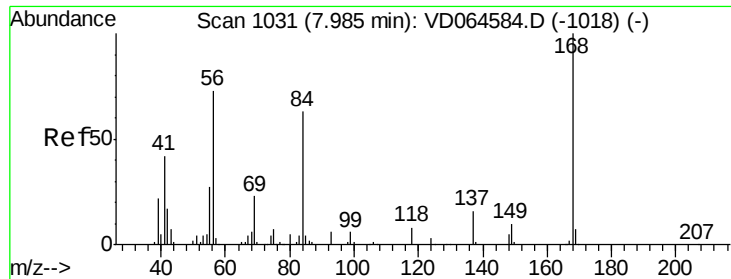
apatel
1/6/2020 10:50:04 AM



#30
Chloroform
Concen: 22.600 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7





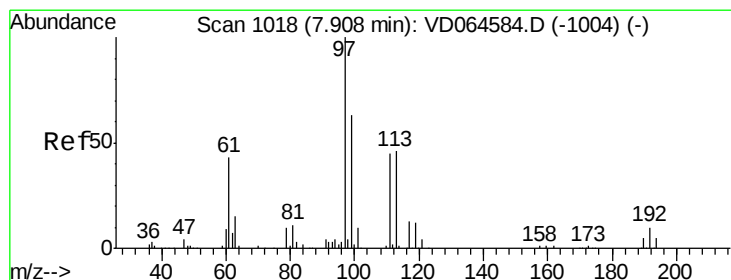
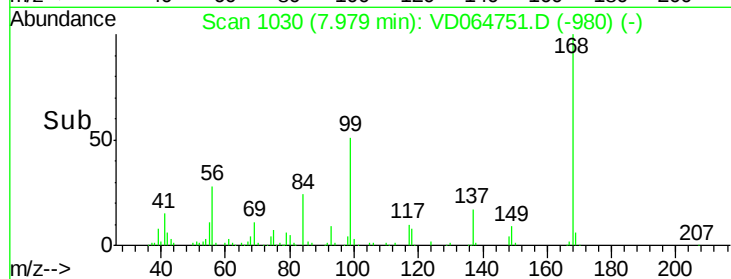
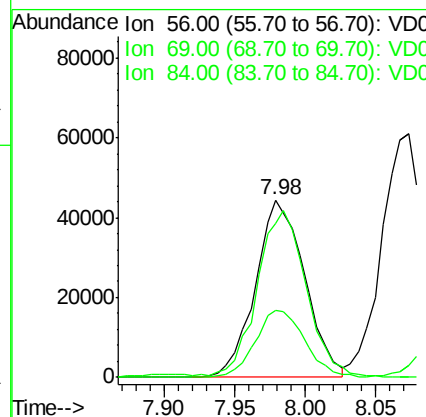
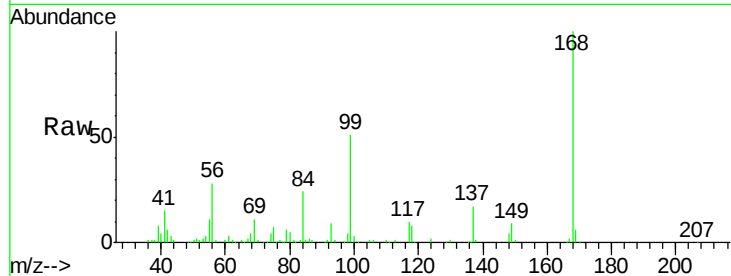
#31
Cyclohexane
Concen: 18.881 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 56 Resp: 108563
Ion Ratio Lower Upper
56 100
69 38.0 24.7 37.1#
84 86.1 69.4 104.2

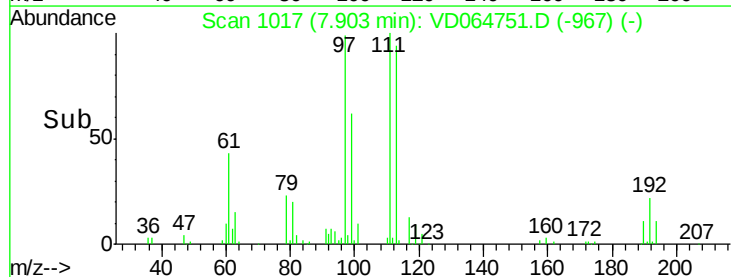
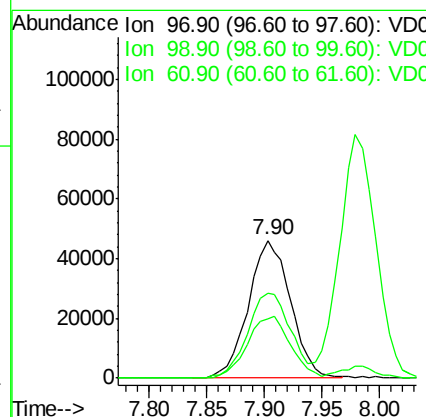
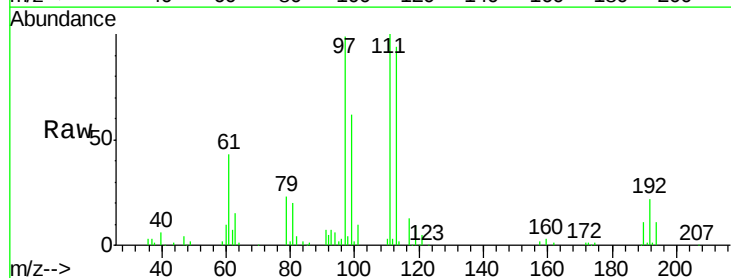
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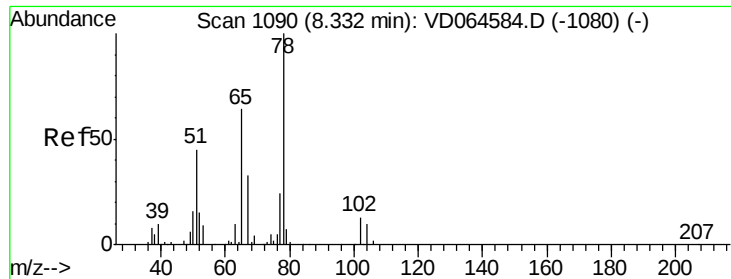
apatel
1/6/2020 10:50:04 AM



#32
1,1,1-Trichloroethane
Concen: 20.717 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 97 Resp: 117270
Ion Ratio Lower Upper
97 100
99 62.6 51.0 76.6
61 45.8 35.4 53.0





#33

1,2-Dichloroethane-d4

Concen: 59.129 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 65 Resp: 182344

Ion Ratio Lower Upper

65 100

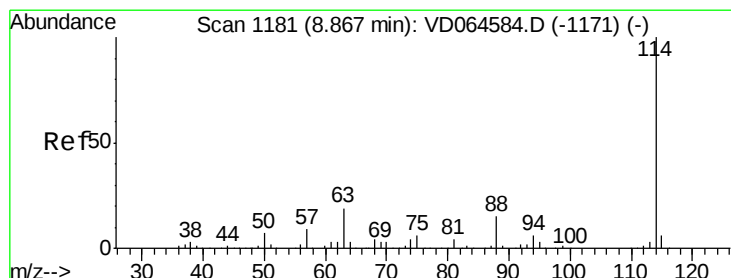
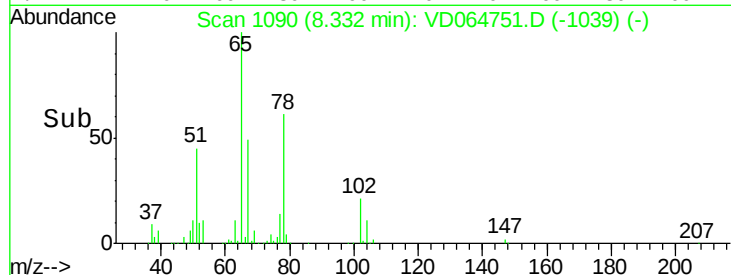
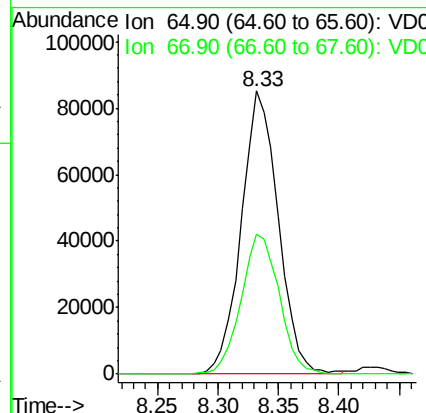
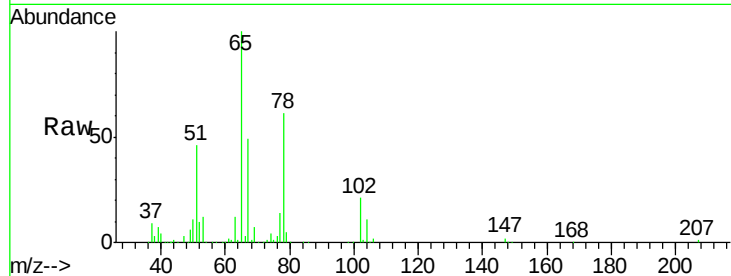
67 51.3 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

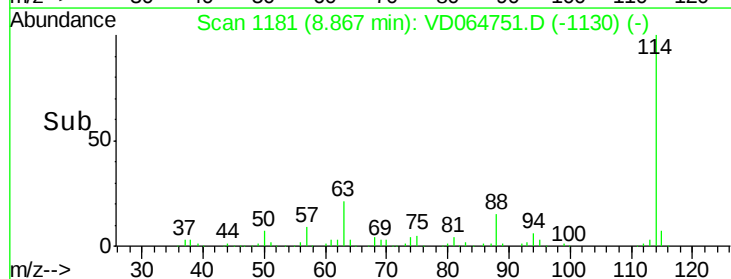
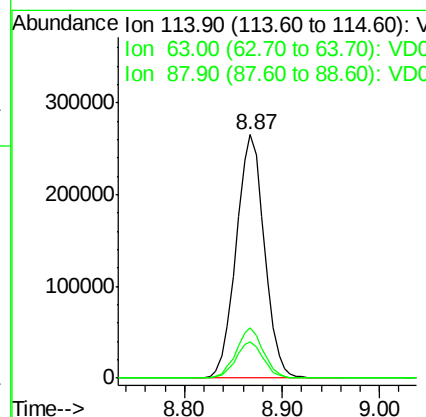
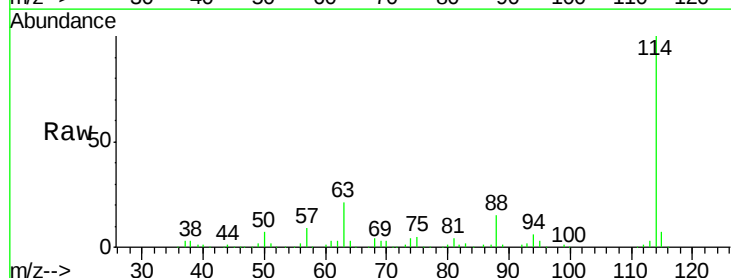
Tgt Ion: 114 Resp: 532041

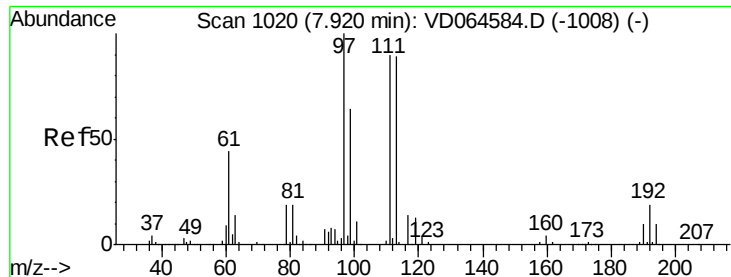
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.0

88 14.9 0.0 29.2





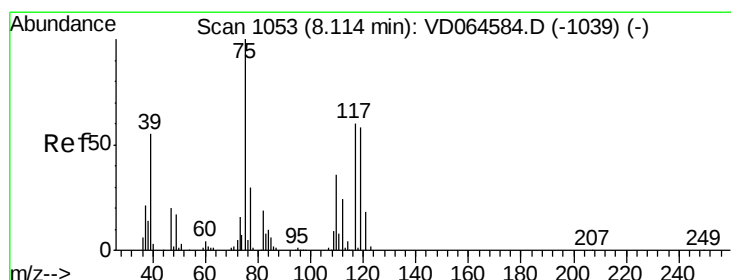
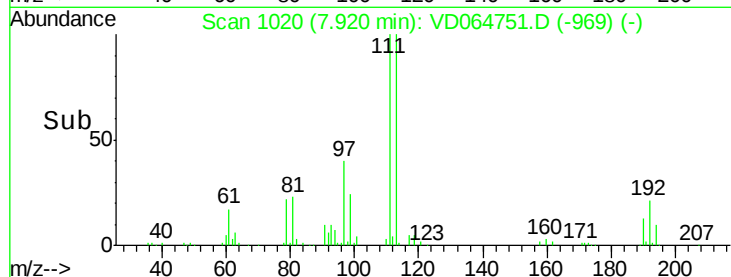
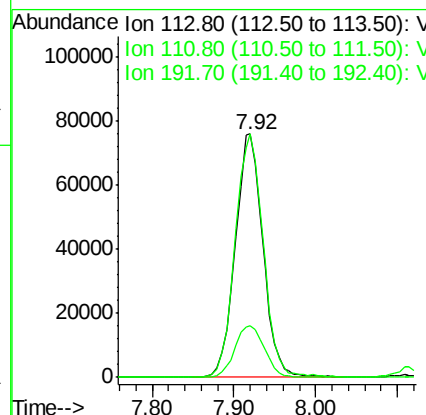
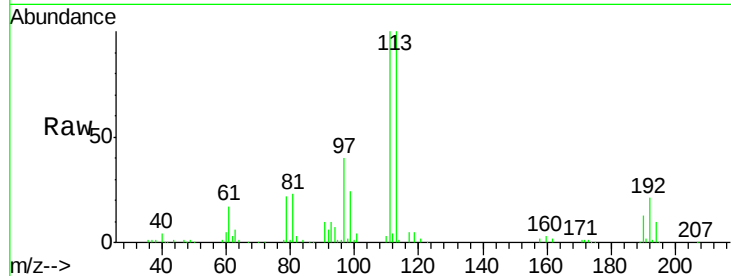
#35
 Dibromofluoromethane
 Concen: 54.634 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	178334		
111	101.7	80.6	121.0	
192	22.7	17.9	26.9	

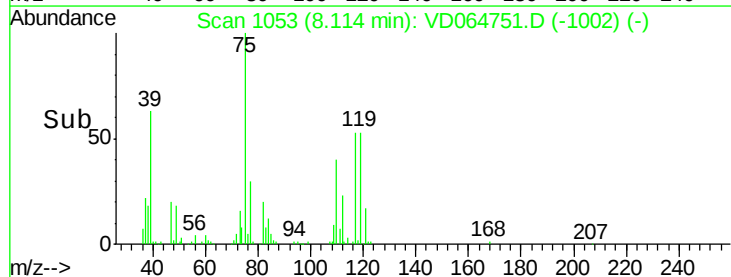
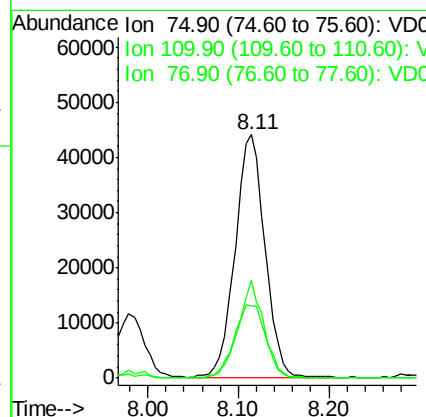
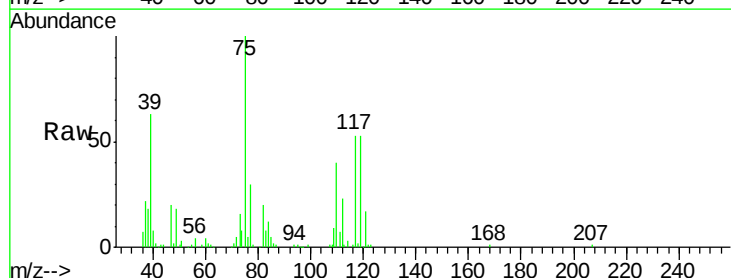
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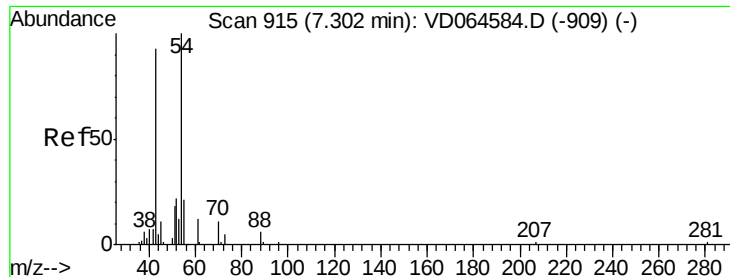
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.849 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	101643		
110	34.9	18.1	54.1	
77	31.3	24.2	36.4	





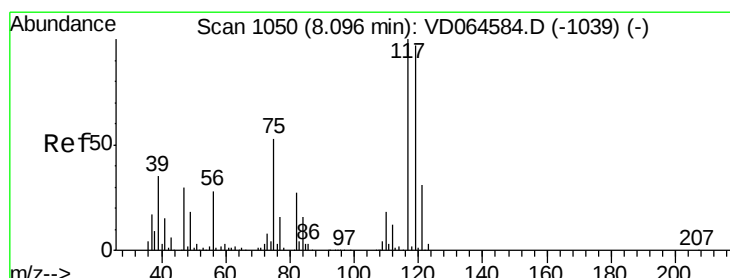
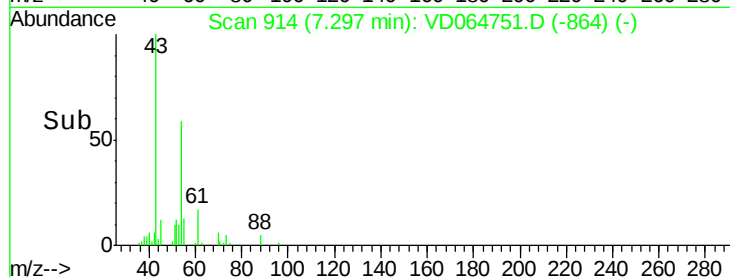
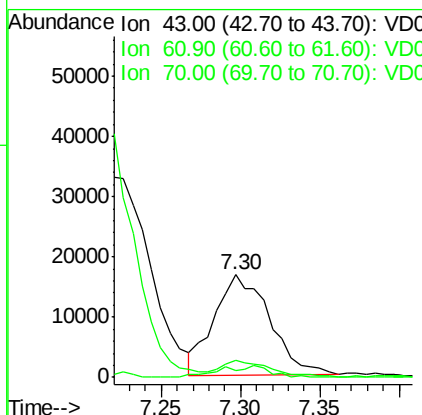
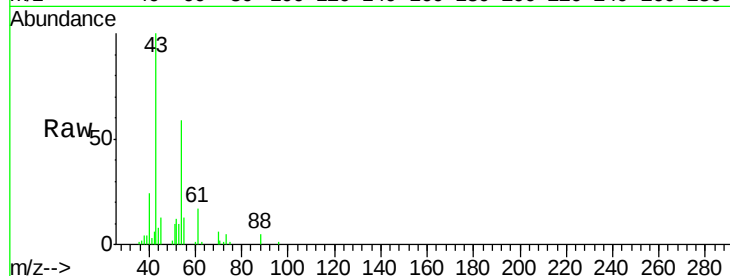
#37
Ethyl Acetate
Concen: 20.336 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.3	15.5
70	10.3	7.6	11.4

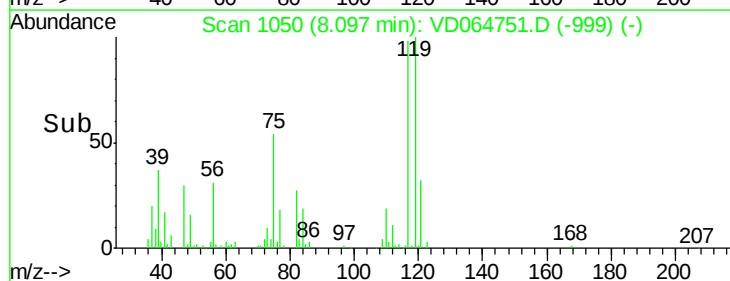
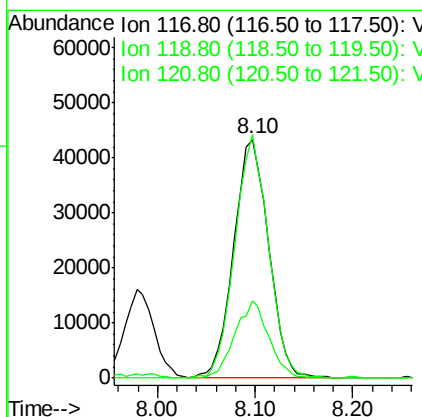
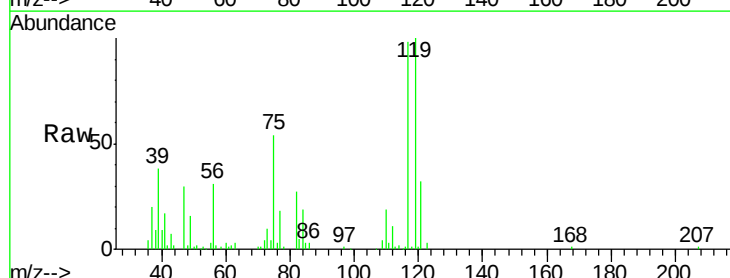
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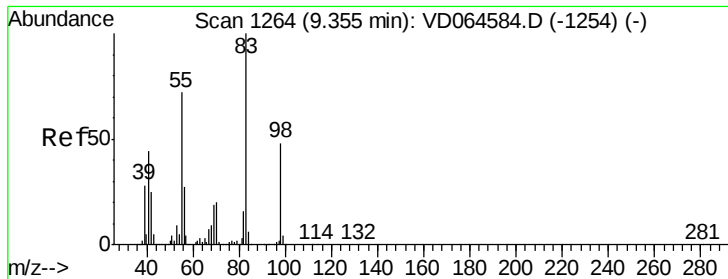
apatel
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#38
Carbon Tetrachloride
Concen: 19.822 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	77.3	115.9
121	32.6	25.0	37.6





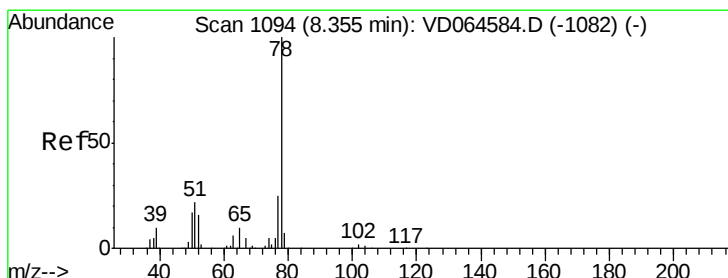
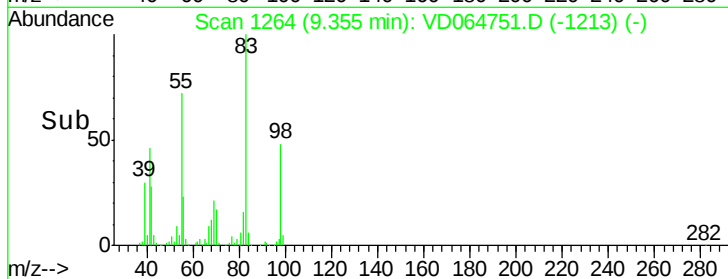
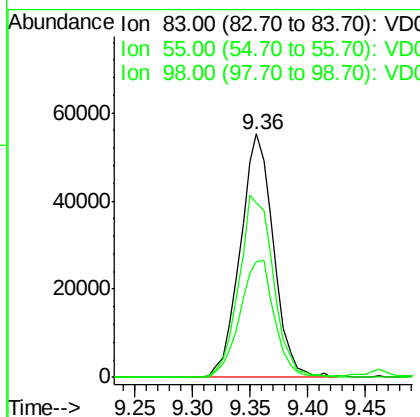
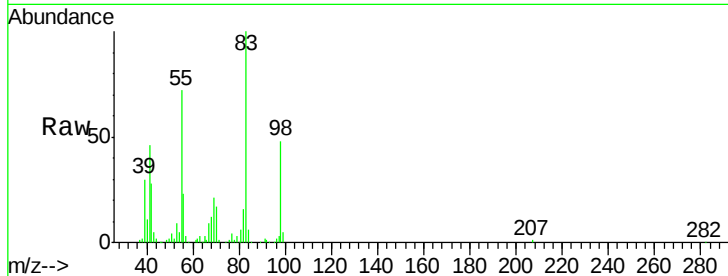
#39
Methylcyclohexane
Concen: 17.789 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	71.7	57.8	86.6
98	47.6	38.7	58.1

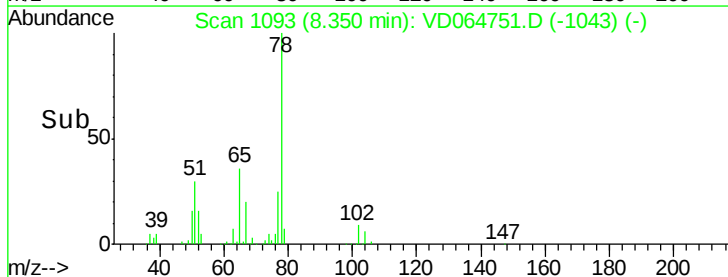
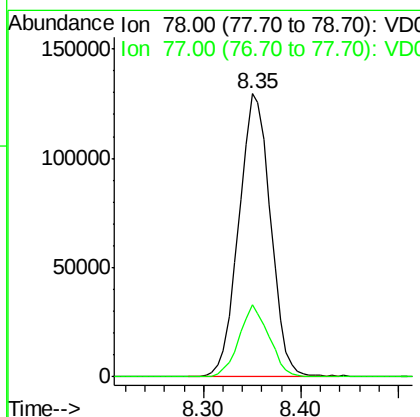
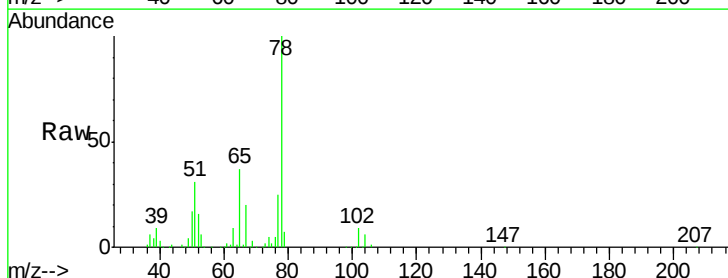
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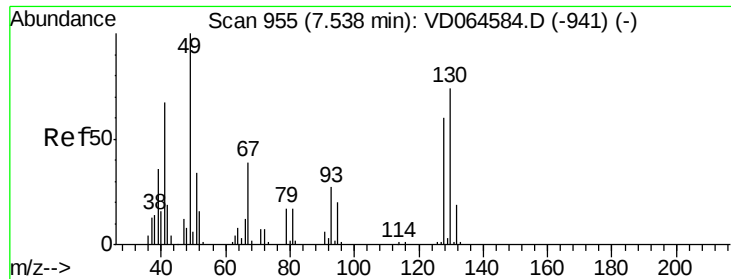
apatel
1/6/2020 10:50:04 AM



#40
Benzene
Concen: 20.958 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.9	29.9





#41

Methacrylonitrile

Concen: 18.191 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 41 Resp: 21233
Ion Ratio Lower Upper

41 100

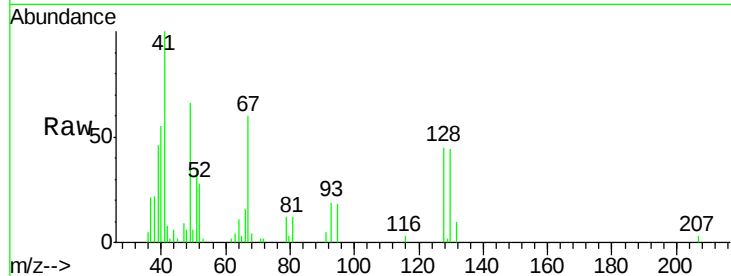
39 44.1 46.7 70.1#

67 81.9 52.5 78.7#

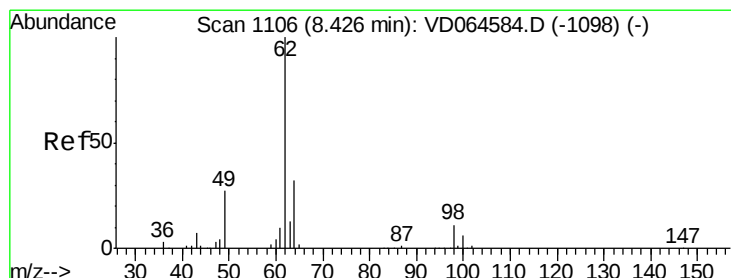
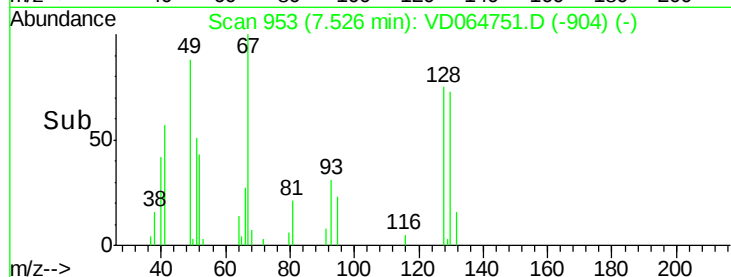
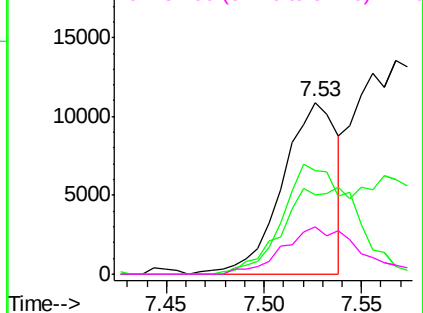
52 39.0 24.1 36.1#

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Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.207 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

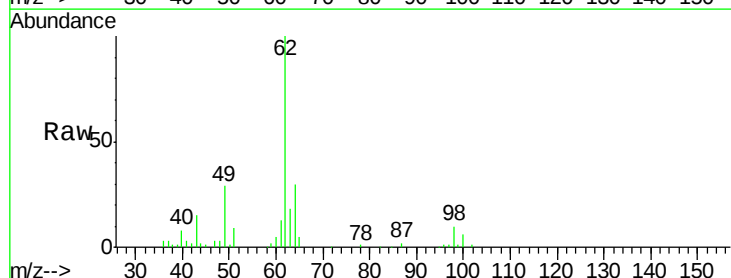
Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

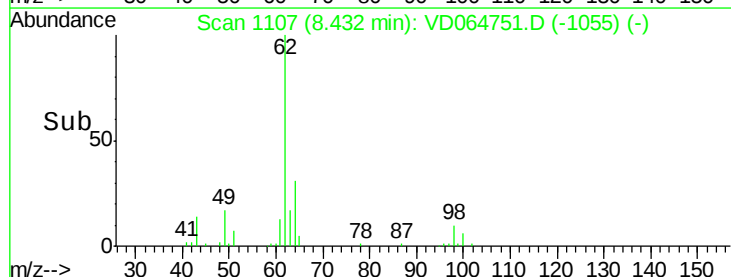
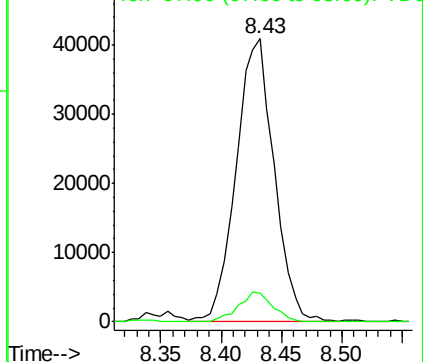
Tgt Ion: 62 Resp: 89708
Ion Ratio Lower Upper

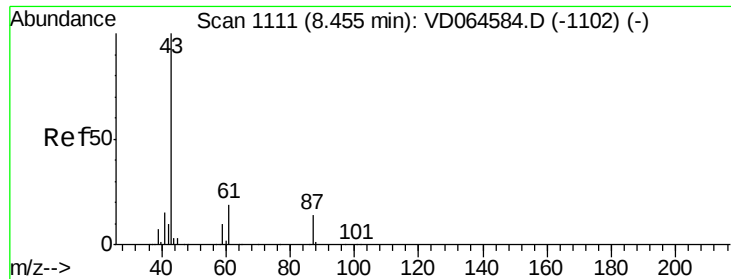
62 100

98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.477 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

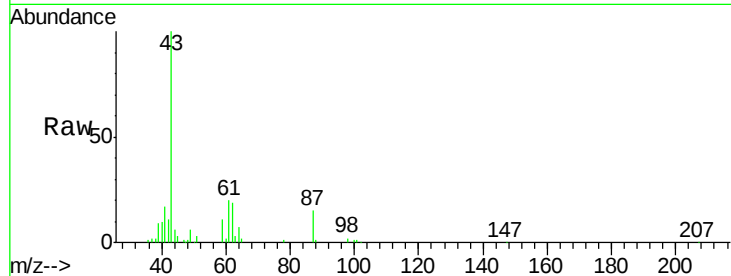
ClientSampleId :

VD0103SBS02

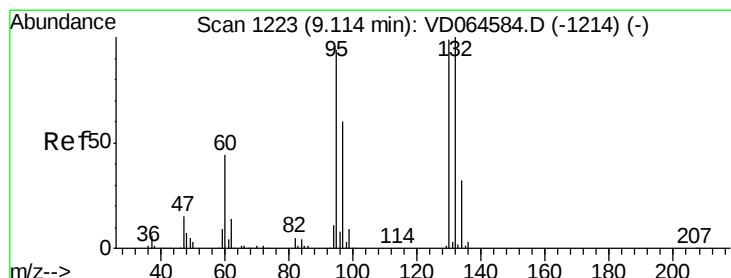
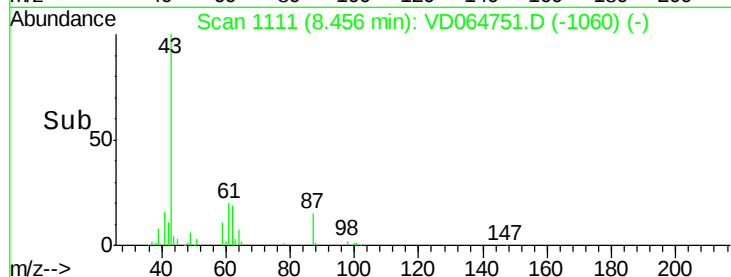
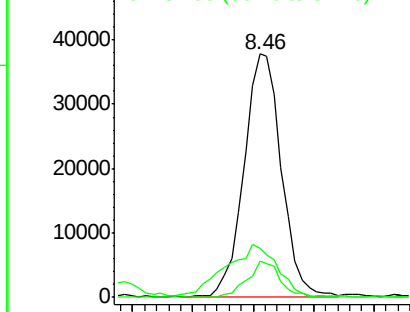
Tgt Ion:	43	Resp:	81995
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.7	35.5
87	12.9	10.5	15.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 19.920 ug/l

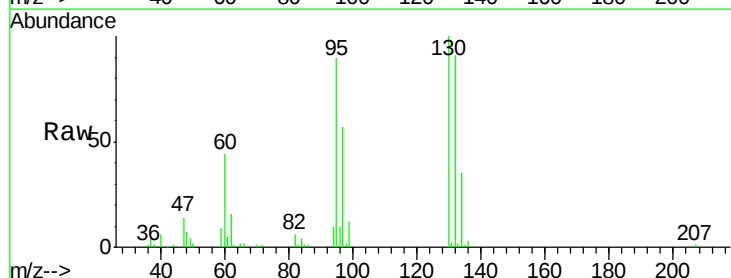
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

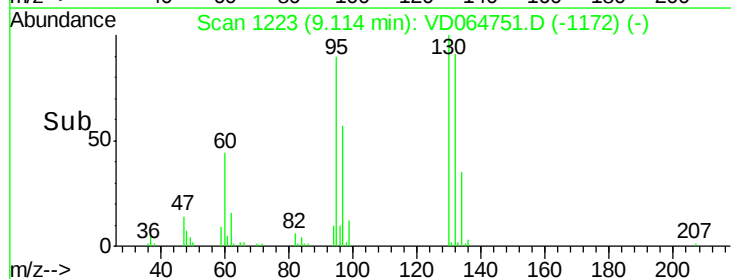
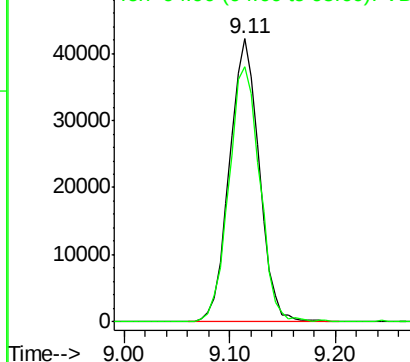
Lab File: VD064751.D

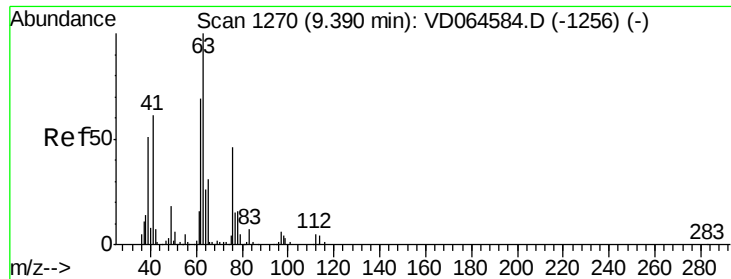
Acq: 04 Jan 2020 00:38

Tgt Ion:	130	Resp:	81807
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.642 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 63 Resp: 72236

Ion Ratio Lower Upper

63 100

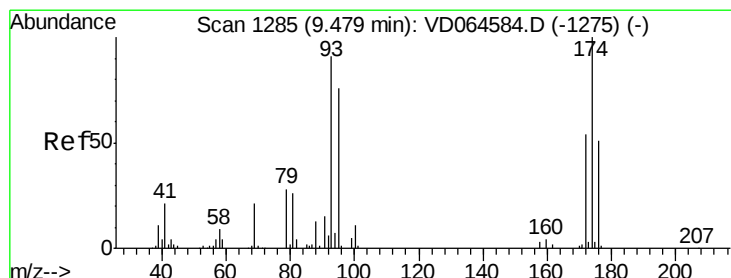
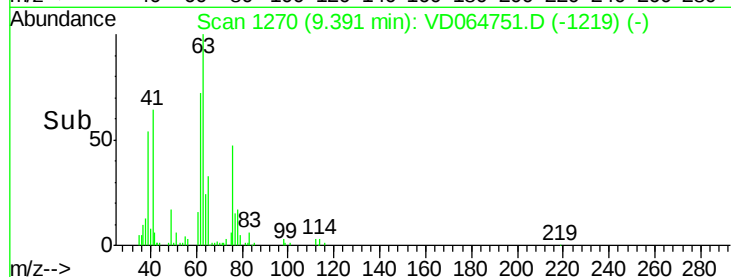
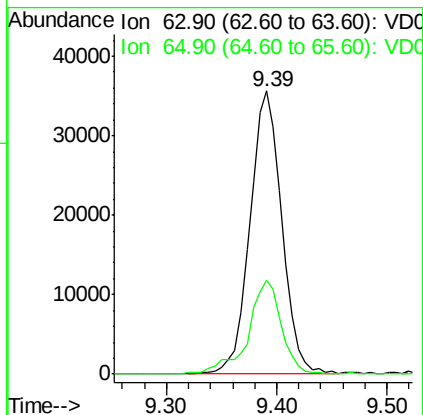
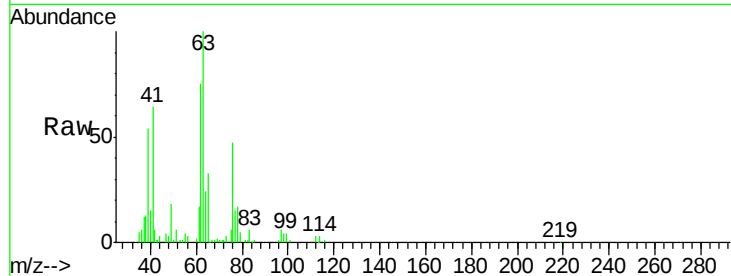
65 33.0 25.2 37.8

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#46

Dibromomethane

Concen: 21.473 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

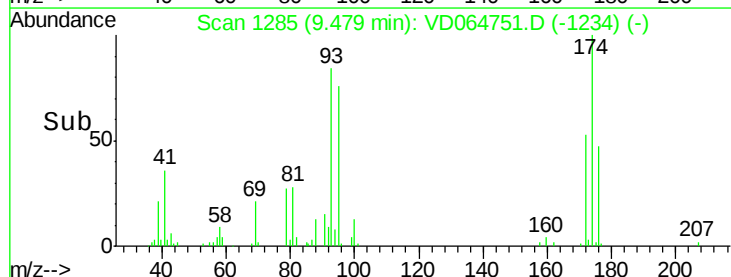
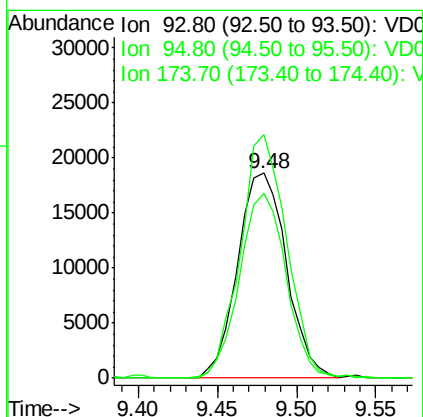
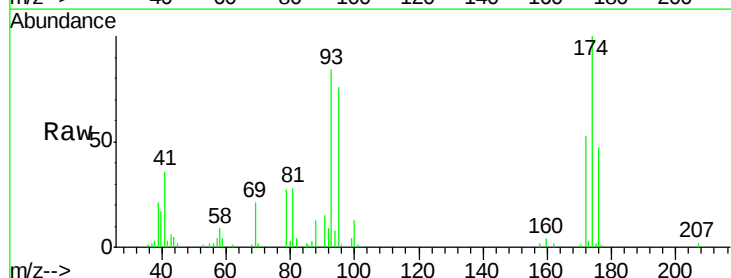
Tgt Ion: 93 Resp: 39960

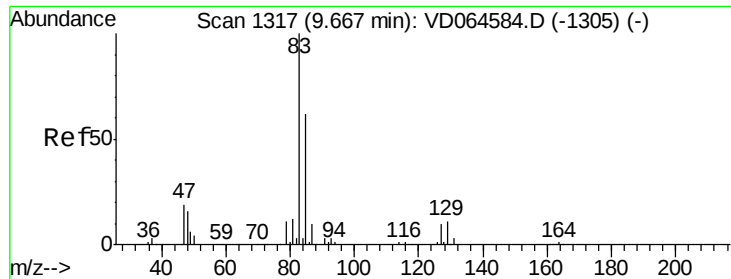
Ion Ratio Lower Upper

93 100

95 86.1 64.6 97.0

174 112.3 88.1 132.1





#47

Bromodichloromethane

Concen: 21.672 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

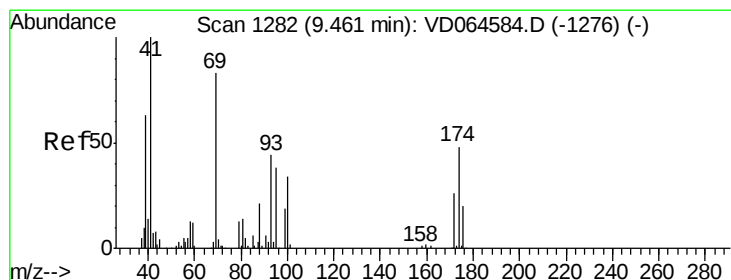
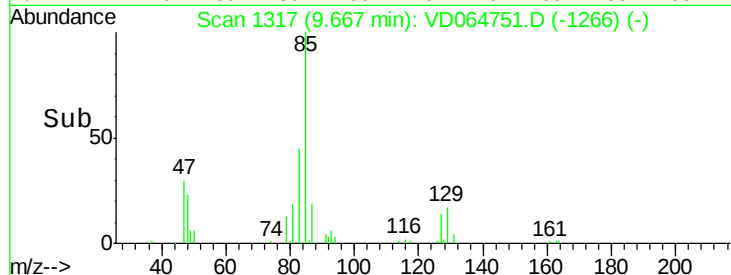
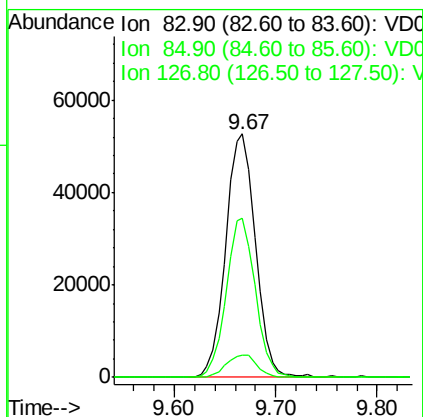
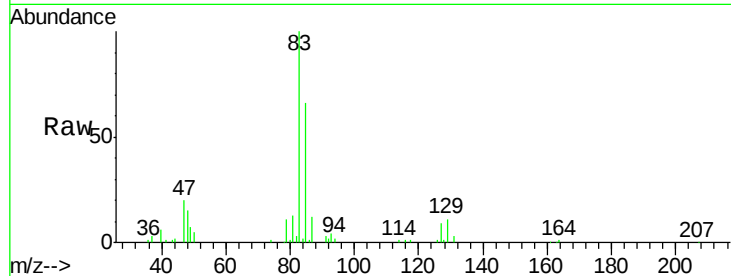
ClientSampleId :

VD0103SBS02

Tgt Ion:	83	Resp:	107319
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.5	74.3
127	9.0	7.8	11.6

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#48

Methyl methacrylate

Concen: 20.677 ug/l

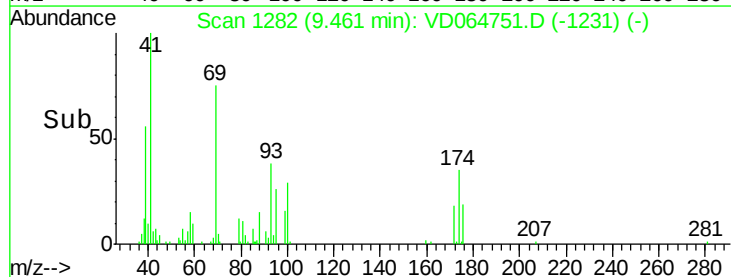
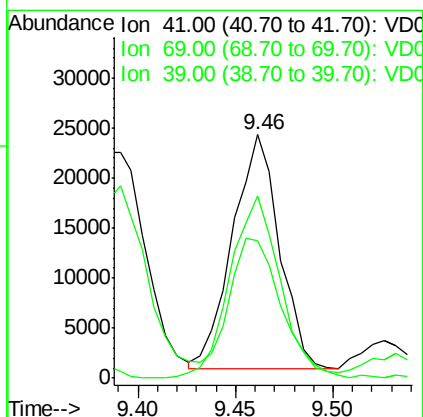
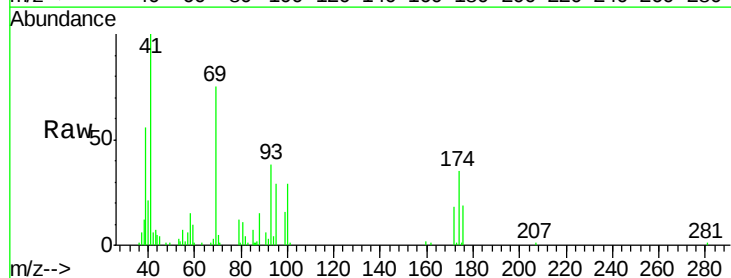
RT: 9.46 min Scan# 1282

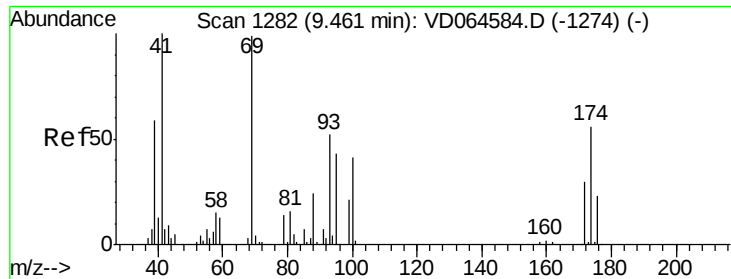
Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion:	41	Resp:	38985
Ion	Ratio	Lower	Upper
41	100		
69	83.4	63.0	94.6
39	67.0	47.4	71.2





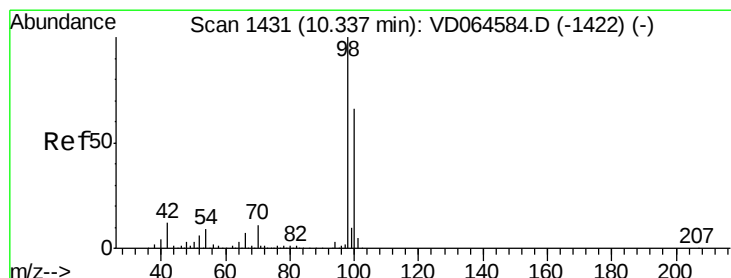
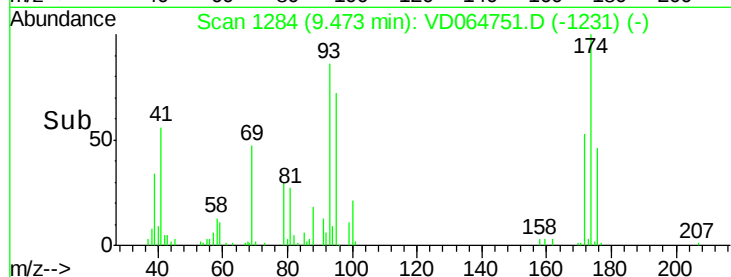
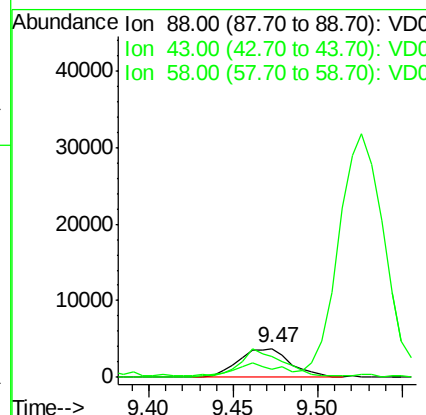
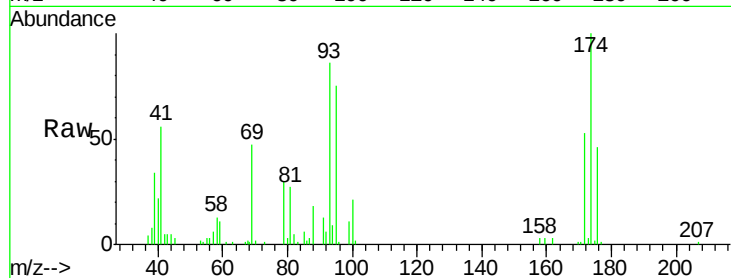
#49
1,4-Dioxane
Concen: 379.770 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 88 Resp: 8149
Ion Ratio Lower Upper
88 100
43 33.2 27.7 41.5
58 82.0 53.8 80.6#

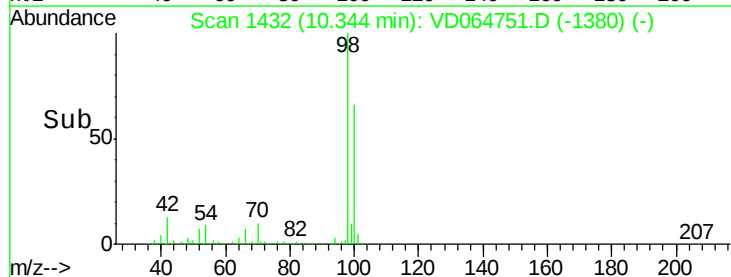
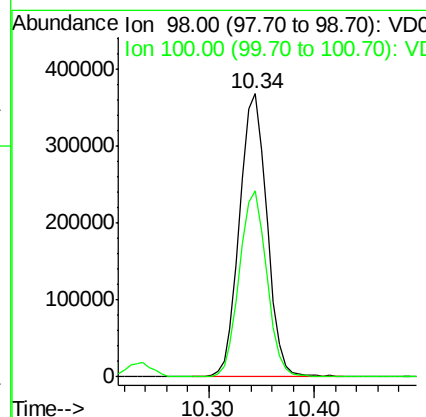
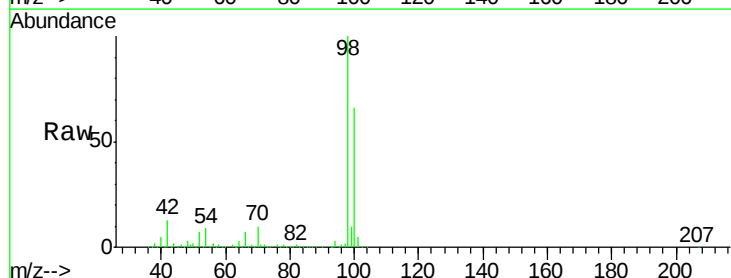
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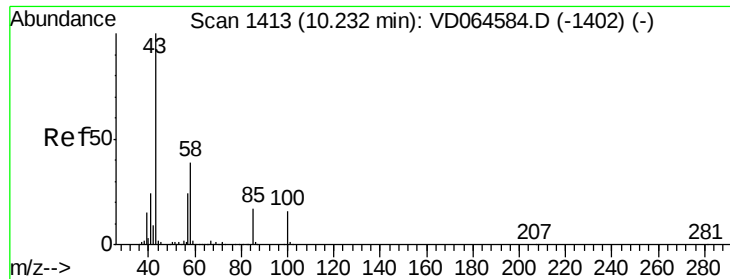
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#50
Toluene-d8
Concen: 52.893 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 98 Resp: 661236
Ion Ratio Lower Upper
98 100
100 65.5 51.7 77.5





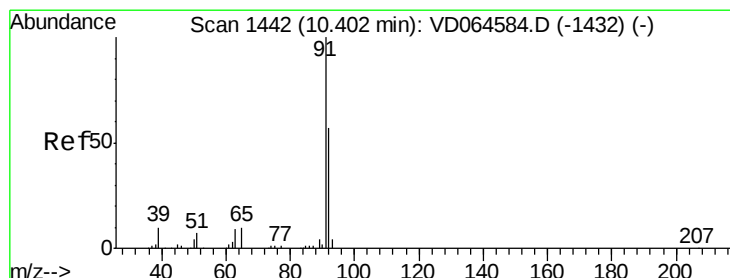
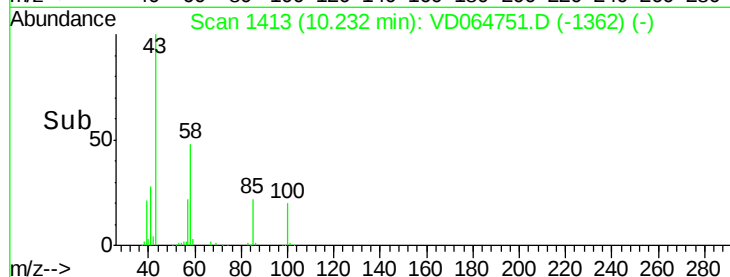
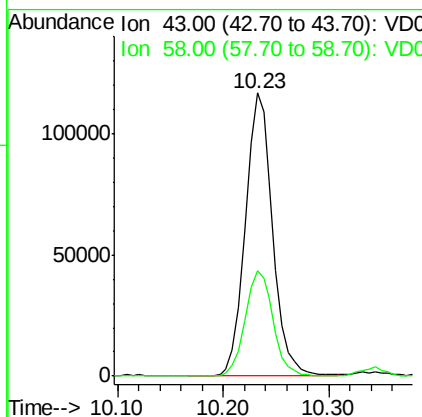
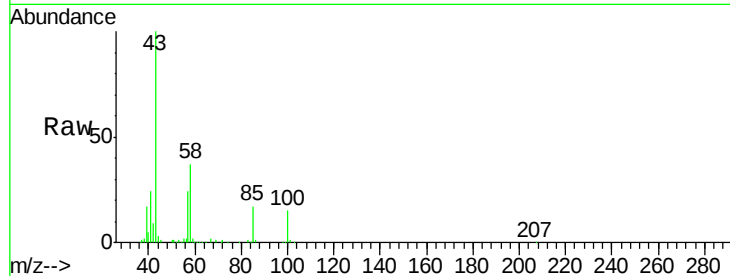
#51
 4-Methyl-2-Pentanone
 Concen: 105.904 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion: 43 Resp: 209605
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.2 45.2

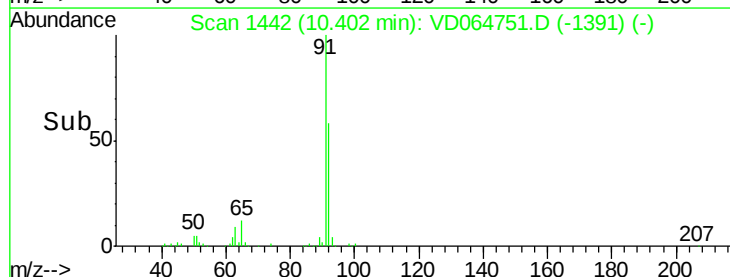
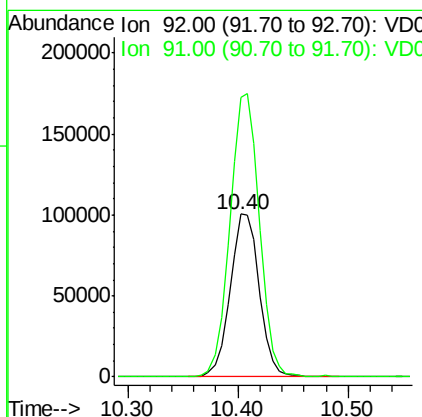
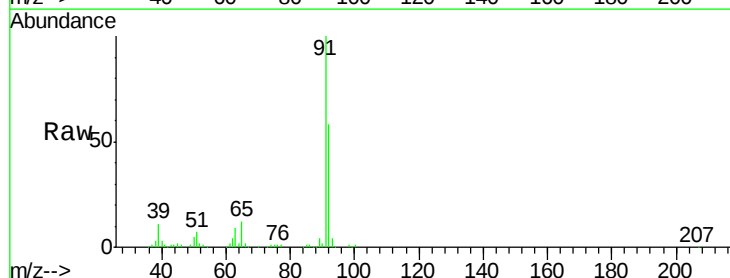
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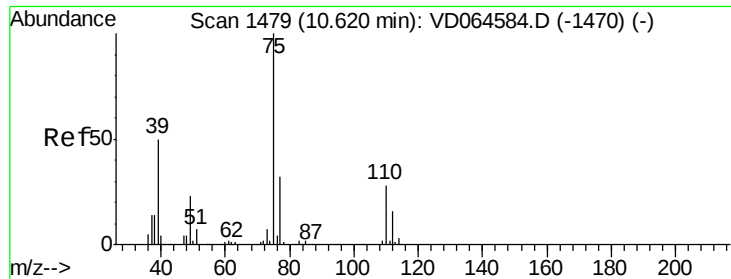
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#52
 Toluene
 Concen: 20.290 ug/l
 RT: 10.40 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 92 Resp: 186092
 Ion Ratio Lower Upper
 92 100
 91 175.1 138.7 208.1





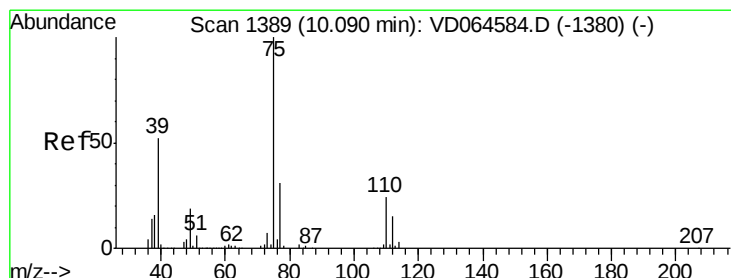
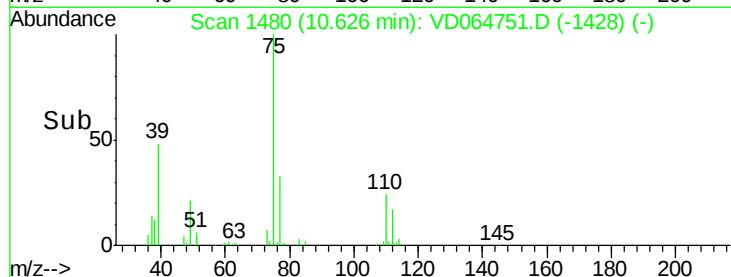
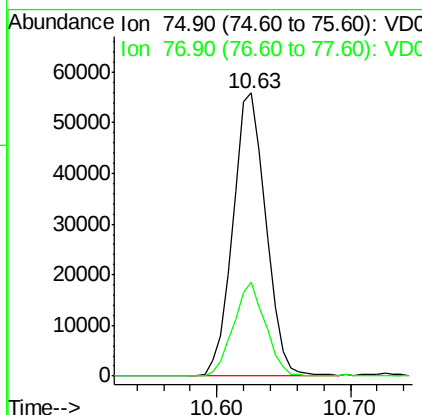
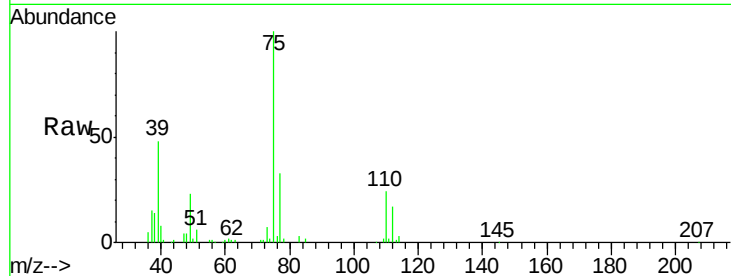
#53
t-1,3-Dichloropropene
Concen: 20.816 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 75 Resp: 96100
Ion Ratio Lower Upper
75 100
77 33.0 25.4 38.2

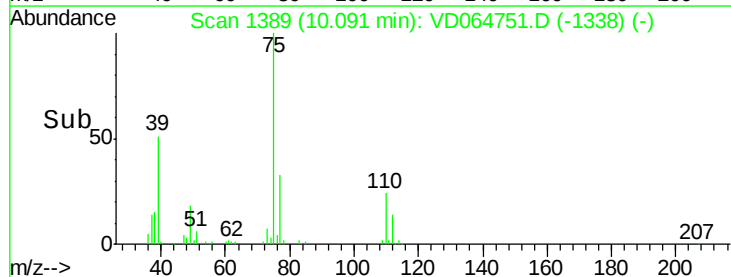
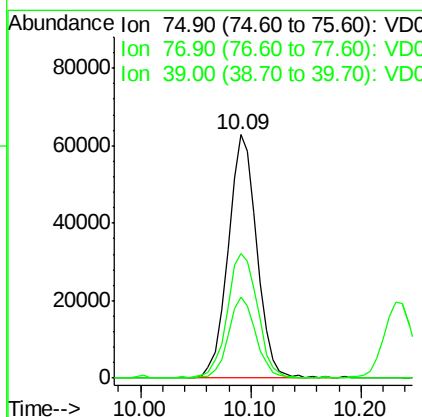
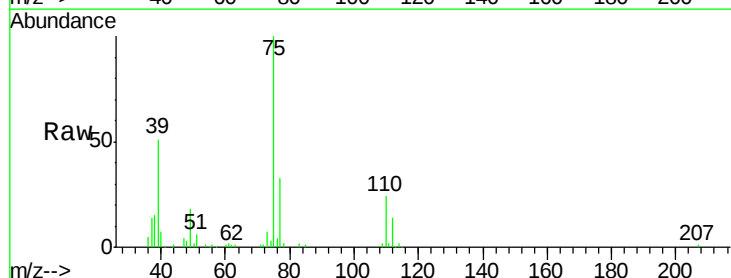
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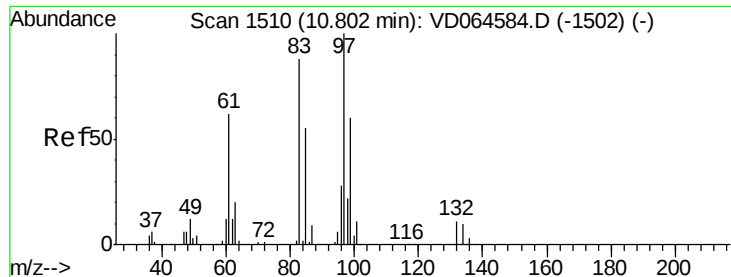
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#54
cis-1,3-Dichloropropene
Concen: 20.988 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 75 Resp: 114256
Ion Ratio Lower Upper
75 100
77 33.1 24.6 36.8
39 51.1 41.4 62.2





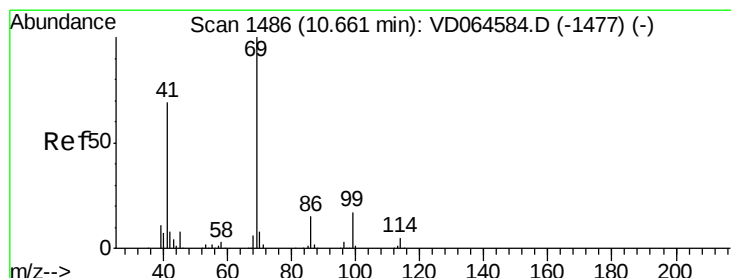
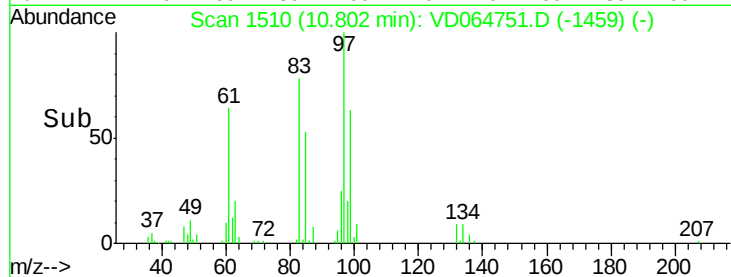
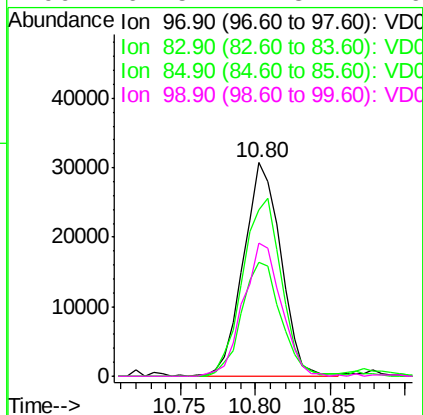
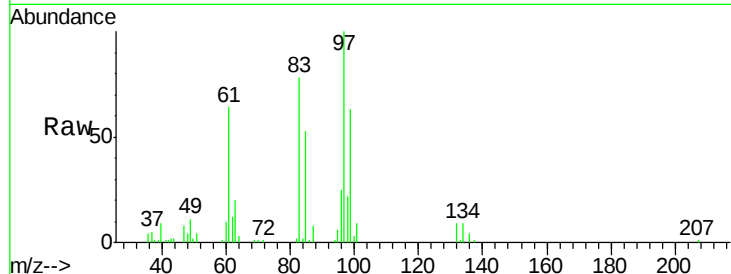
#55
 1,1,2-Trichloroethane
 Concen: 21.246 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.0	70.2	105.4
85	53.2	44.0	66.0
99	62.5	47.8	71.6

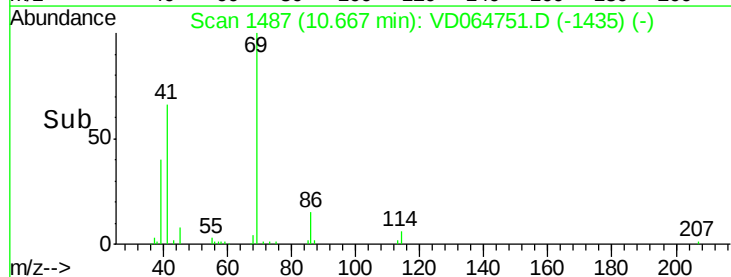
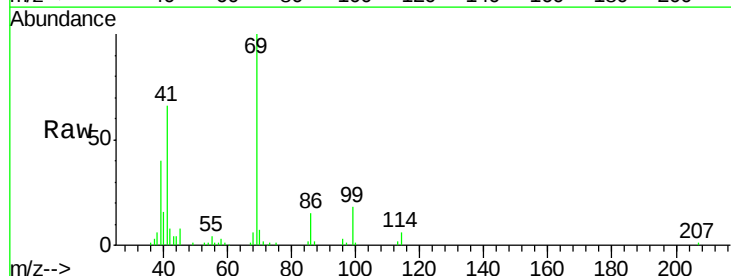
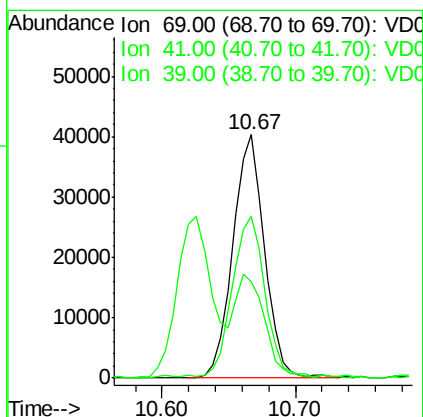
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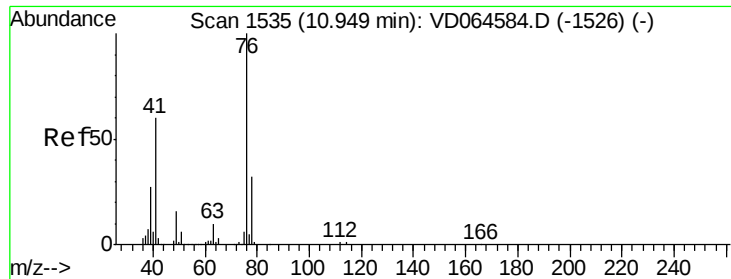
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#56
 Ethyl methacrylate
 Concen: 21.240 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.2	55.3	82.9
39	39.2	33.8	50.8





#57

1,3-Dichloropropane

Concen: 21.230 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 76 Resp: 91674

Ion Ratio Lower Upper

76 100

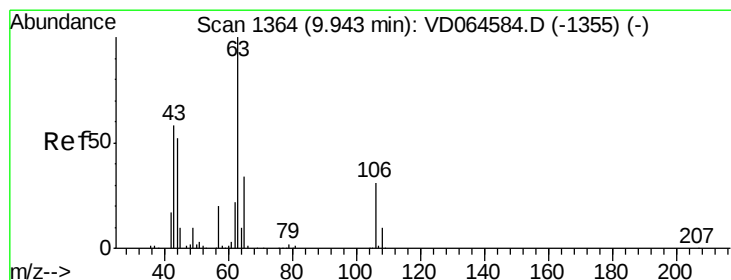
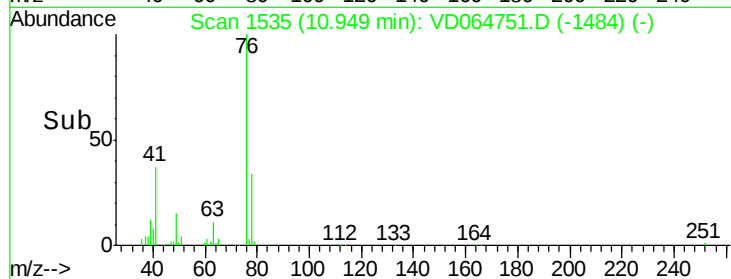
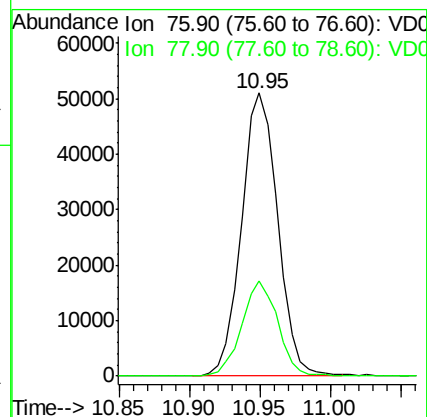
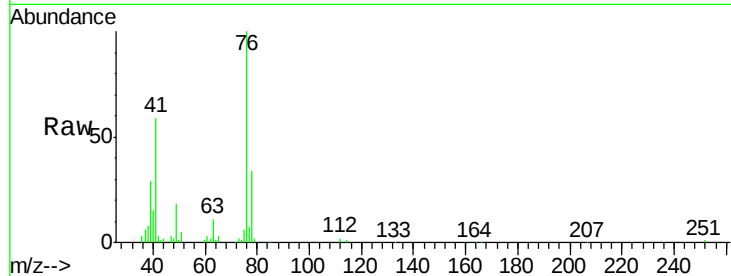
78 33.4 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 114.004 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064751.D

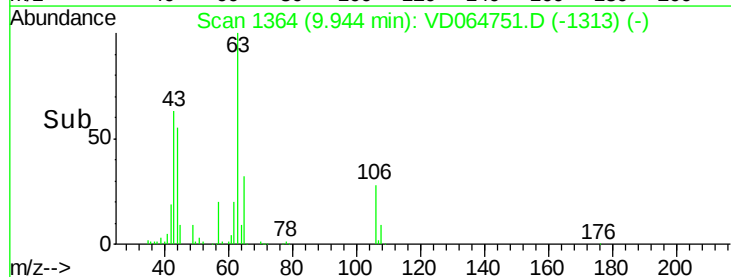
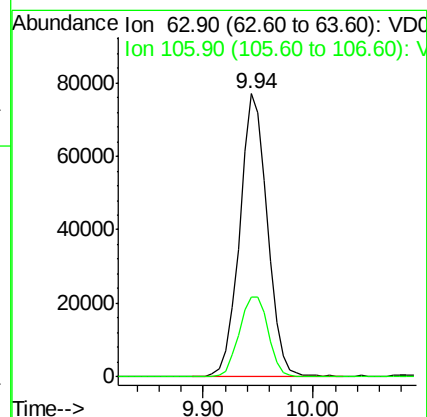
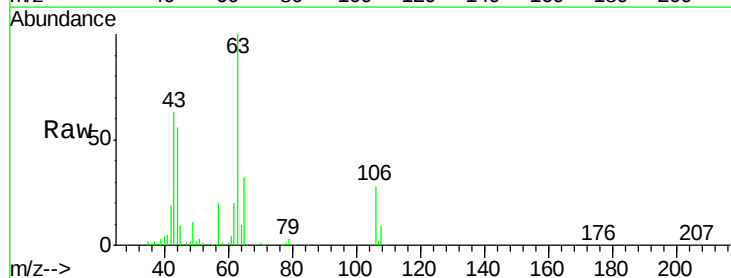
Acq: 04 Jan 2020 00:38

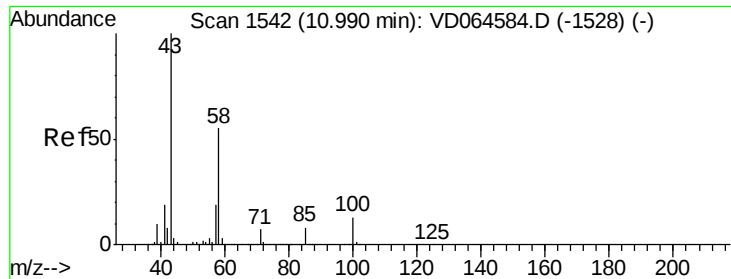
Tgt Ion: 63 Resp: 136040

Ion Ratio Lower Upper

63 100

106 29.7 23.8 35.8





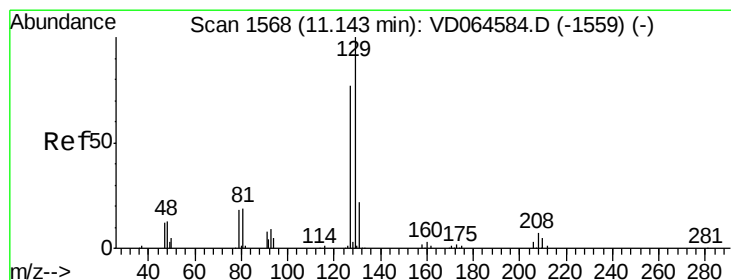
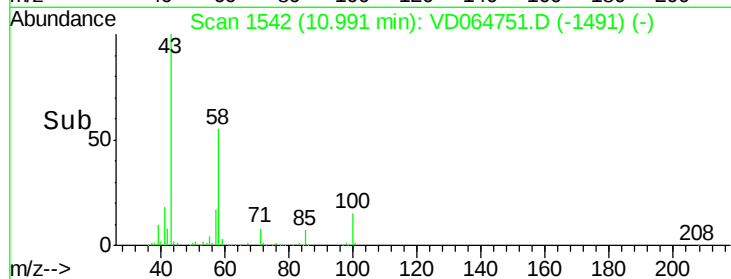
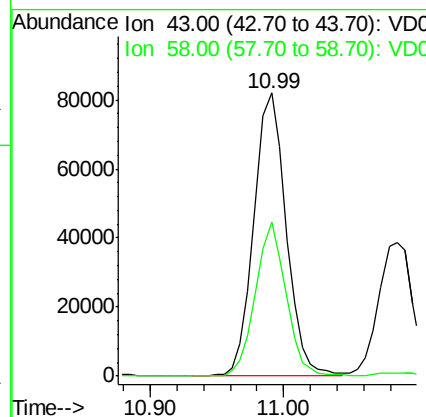
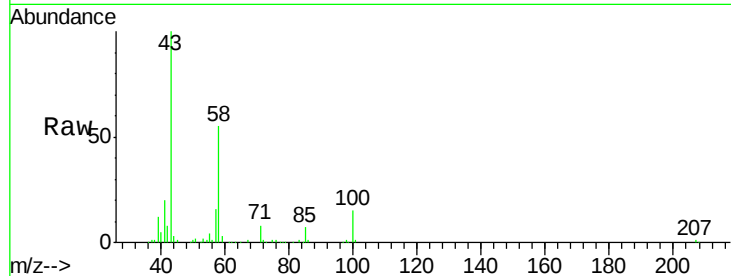
#59
2-Hexanone
Concen: 102.035 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 43 Resp: 137066
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0

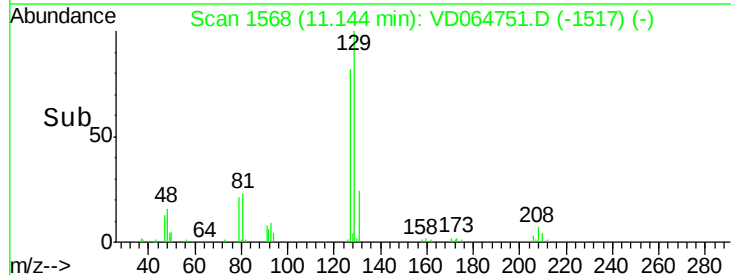
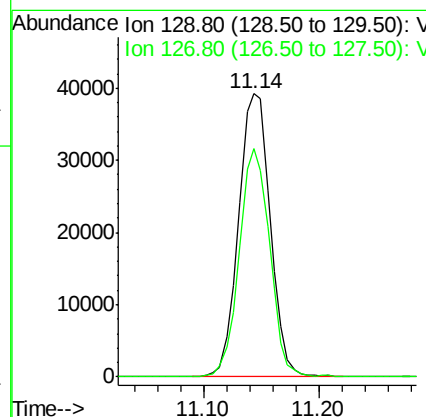
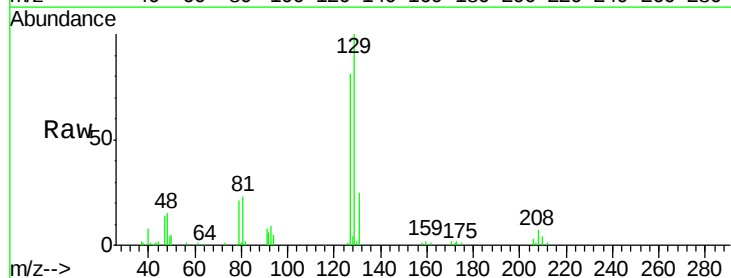
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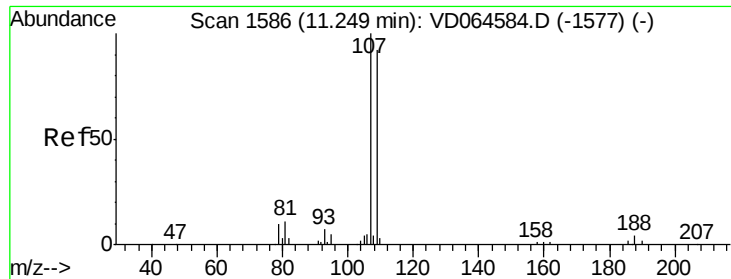
apatel
1/6/2020 10:50:04 AM



#60
Dibromochloromethane
Concen: 21.472 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 129 Resp: 74468
Ion Ratio Lower Upper
129 100
127 77.4 38.4 115.2





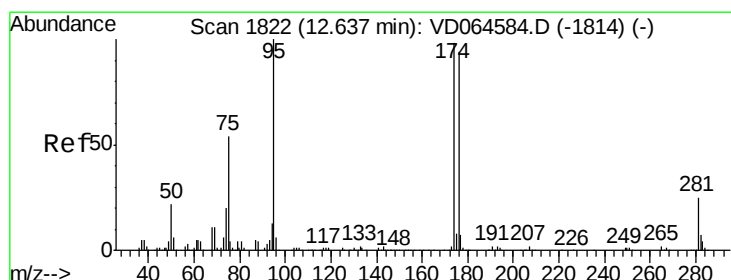
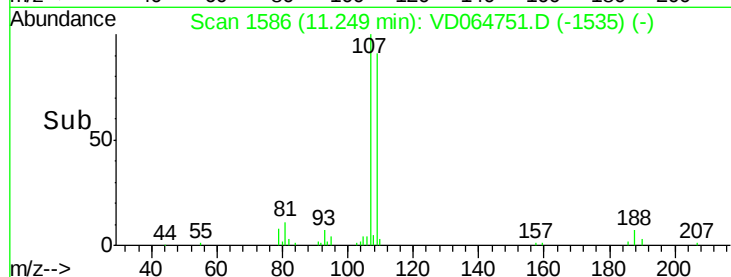
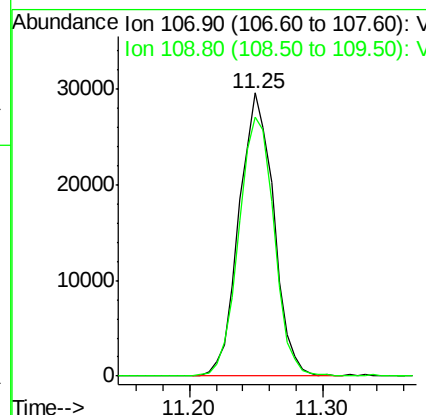
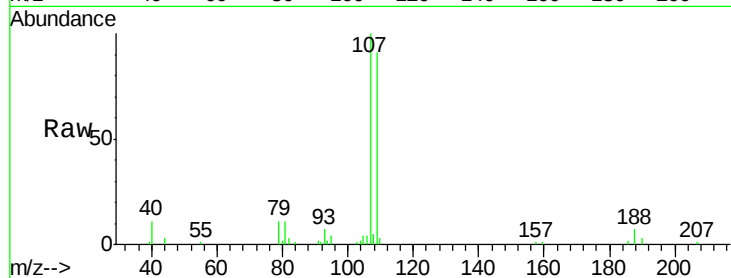
#61
 1,2-Dibromoethane
 Concen: 21.412 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion: 107 Resp: 52964
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.6 113.4

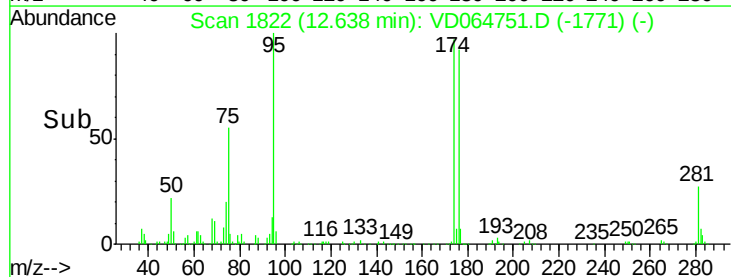
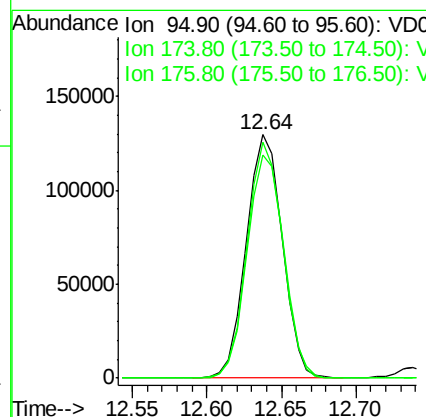
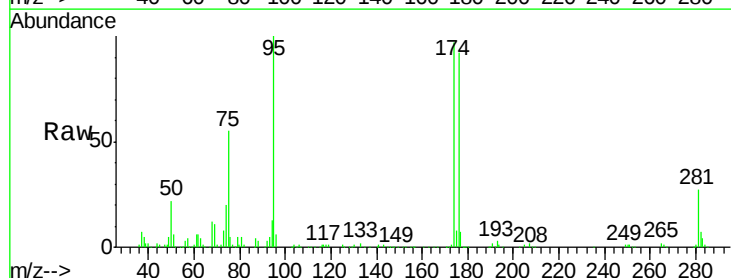
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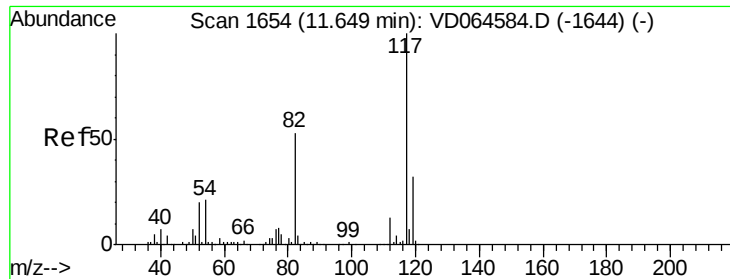
apatel
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#62
 4-Bromofluorobenzene
 Concen: 54.742 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion: 95 Resp: 216398
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 193.2
 176 92.9 0.0 184.2





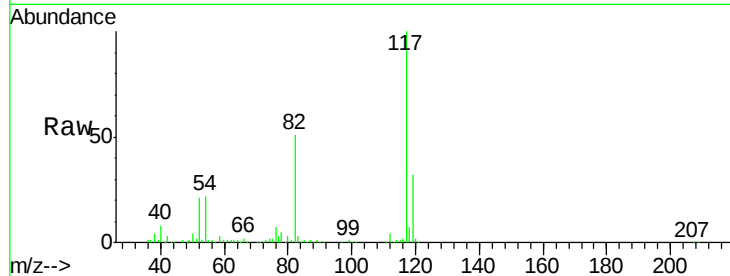
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

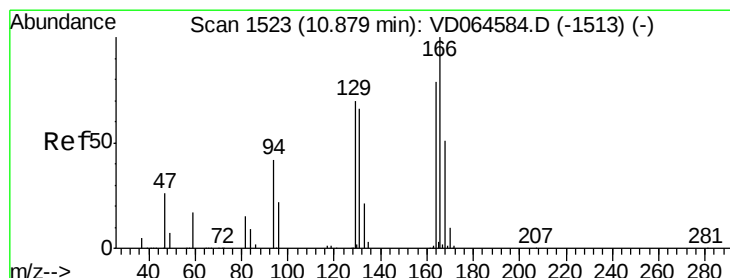
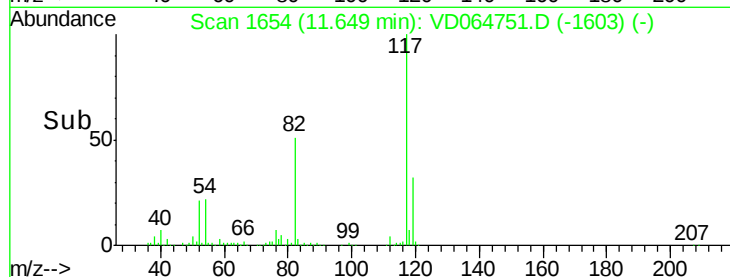
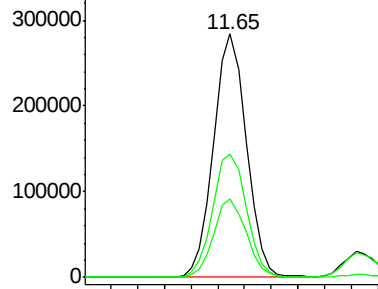
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	483450		
82	50.8	42.2	63.4	
119	32.1	26.0	39.0	

Manual Integrations
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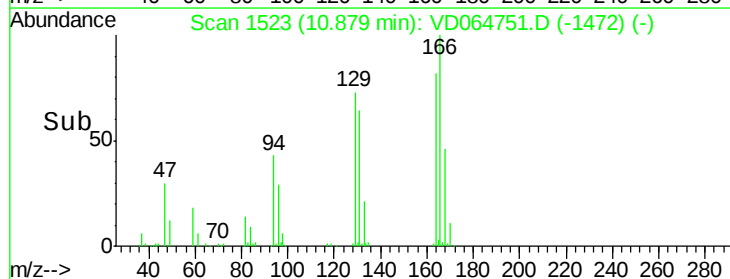
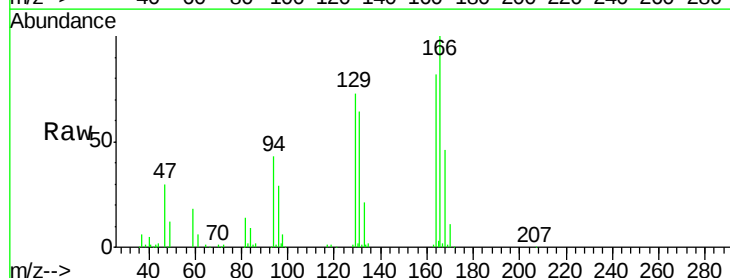
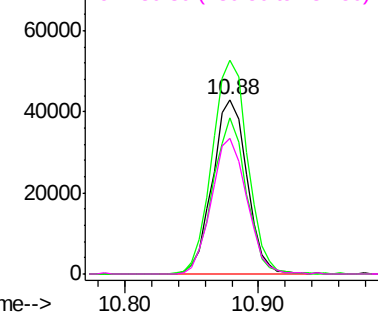
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

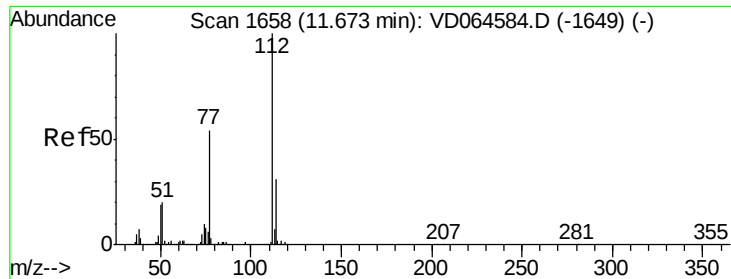


#64
Tetrachloroethene
Concen: 20.648 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	76582		
166	122.4	101.3	151.9	
129	89.1	70.5	105.7	
131	78.1	66.6	99.8	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





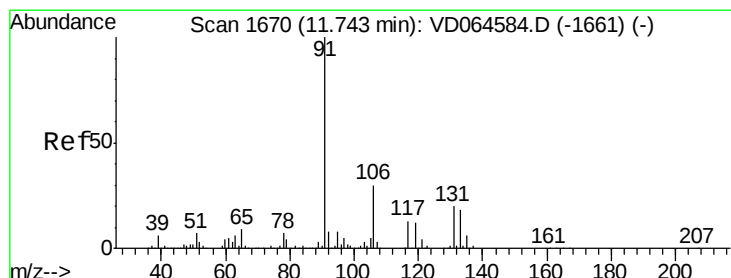
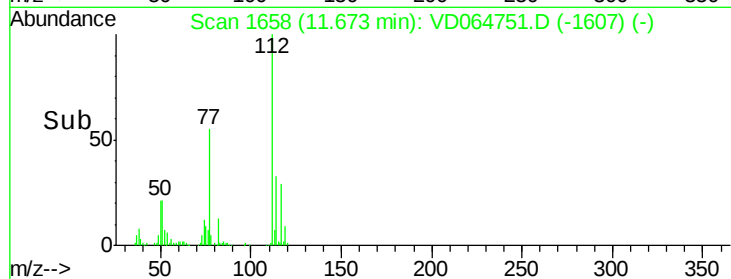
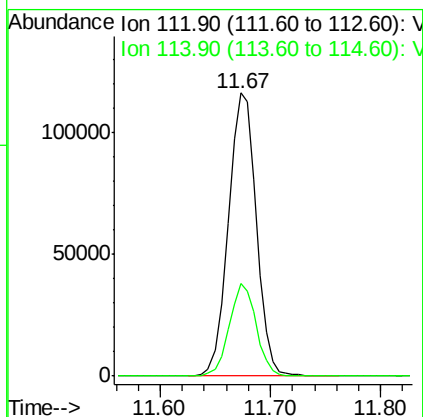
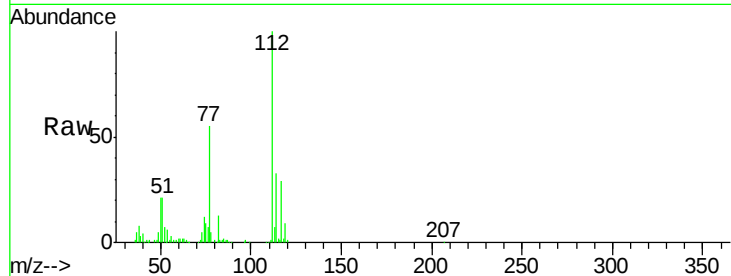
#65
Chlorobenzene
Concen: 20.556 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.8	37.2

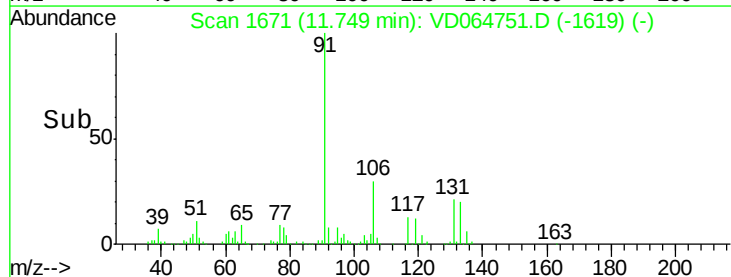
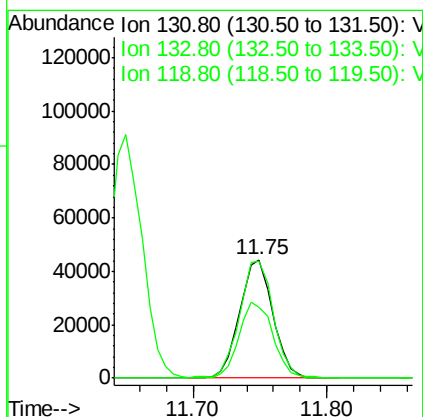
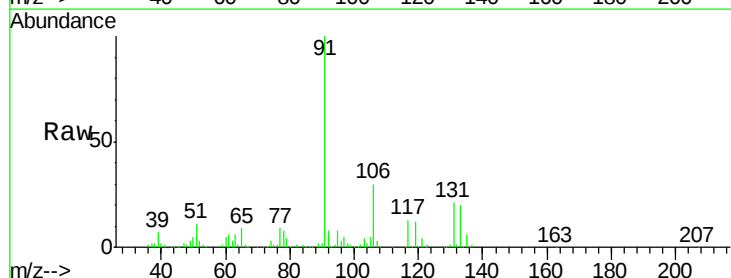
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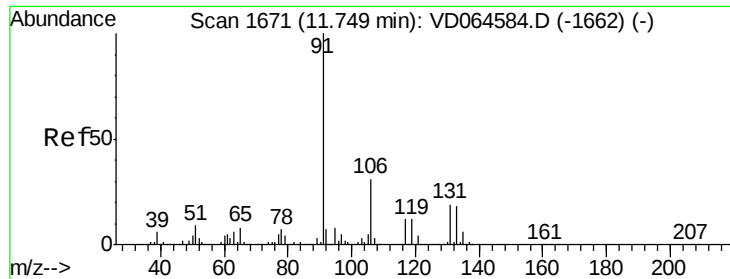
apatel
1/6/2020 10:50:04 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.131 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.8	48.3	144.8
119	65.4	32.1	96.3





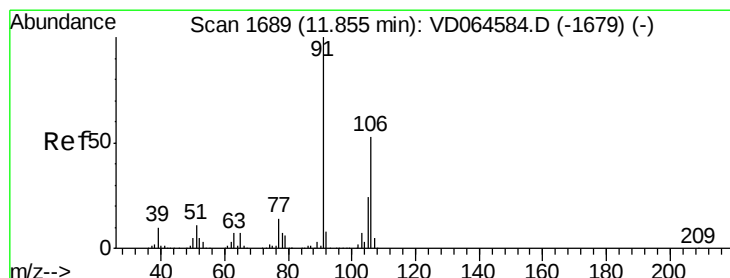
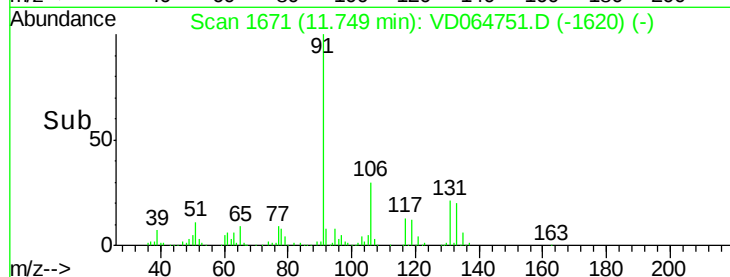
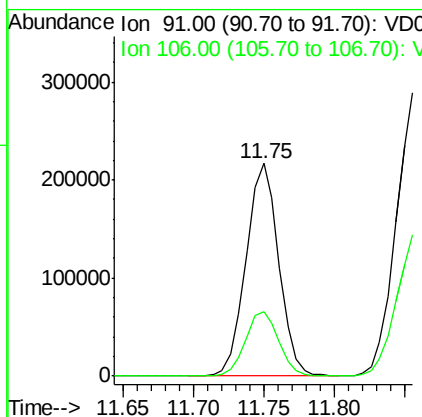
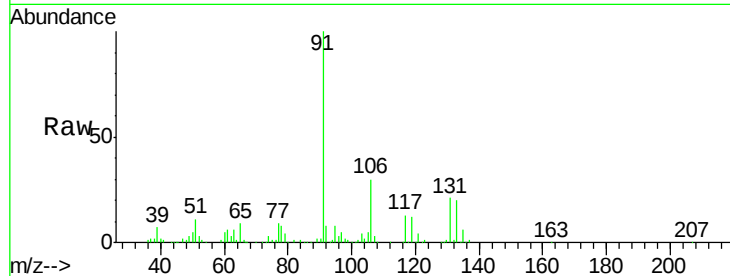
#67
Ethyl Benzene
Concen: 19.412 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion: 91 Resp: 353527
Ion Ratio Lower Upper
91 100
106 30.3 24.6 36.8

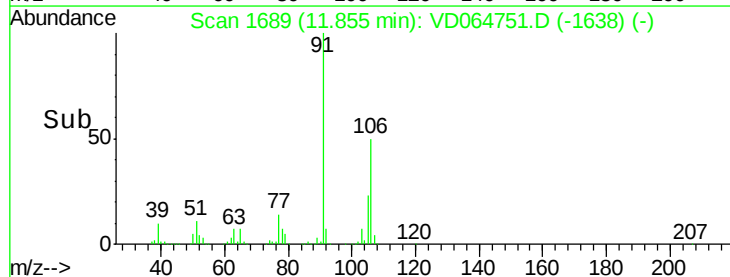
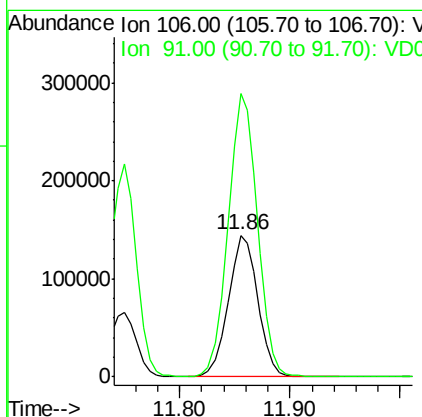
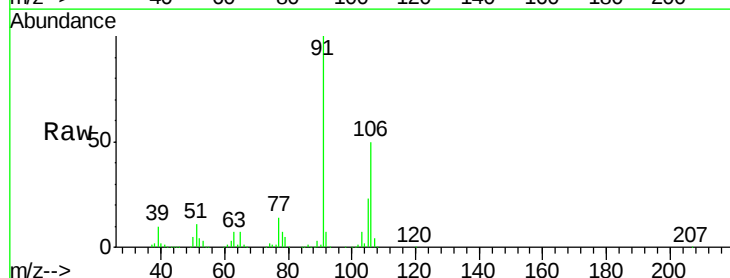
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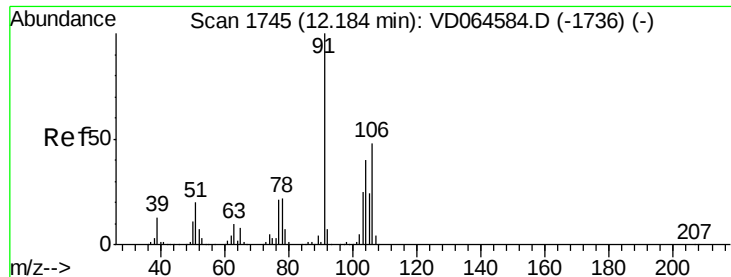
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#68
m/p-Xylenes
Concen: 38.213 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion: 106 Resp: 268622
Ion Ratio Lower Upper
106 100
91 199.7 156.3 234.5





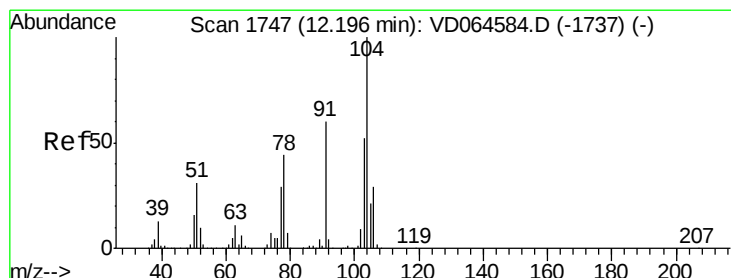
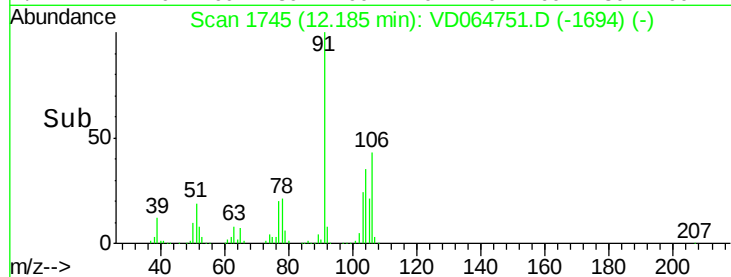
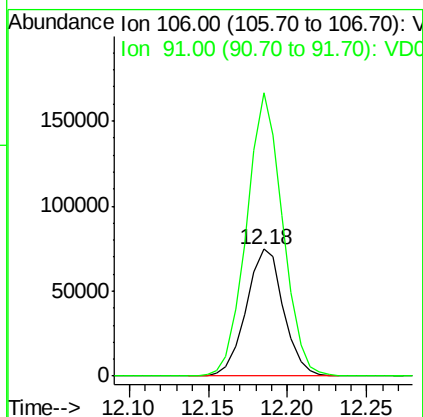
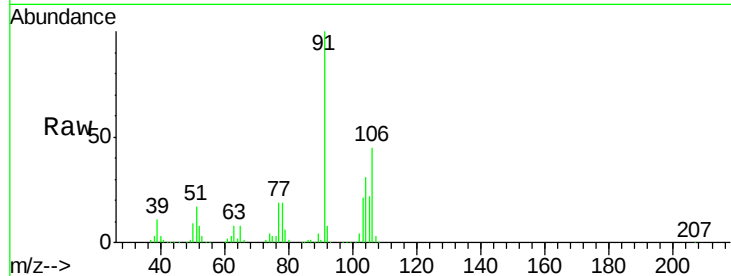
#69
o-Xylene
Concen: 19.239 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion:106 Resp: 122157
Ion Ratio Lower Upper
106 100
91 215.9 104.8 314.4

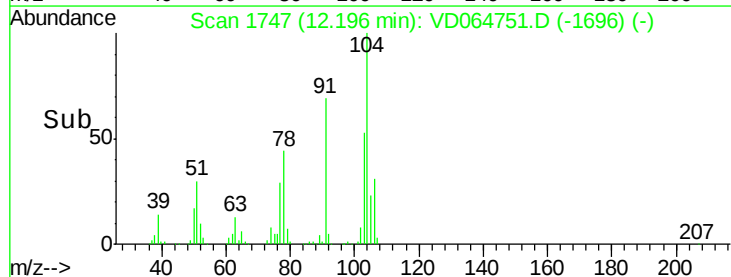
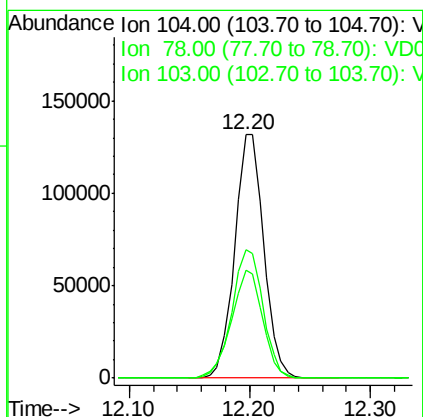
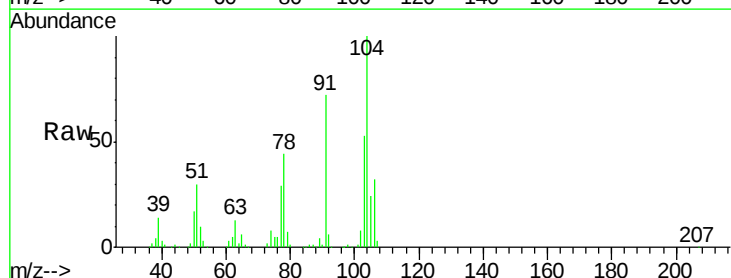
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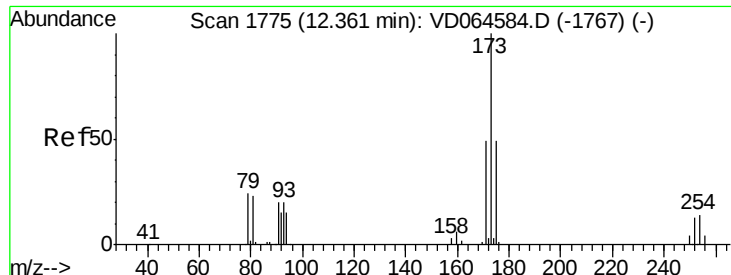
apatel
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#70
Styrene
Concen: 19.910 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion:104 Resp: 221899
Ion Ratio Lower Upper
104 100
78 47.4 38.2 57.2
103 56.4 44.6 67.0





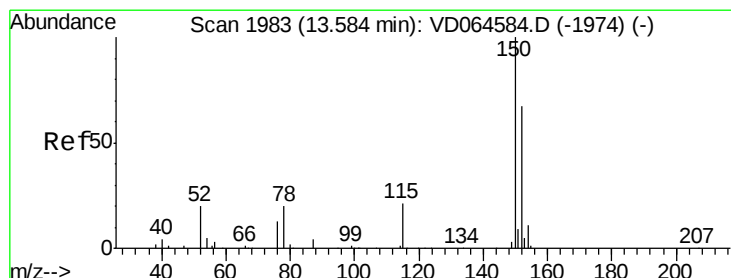
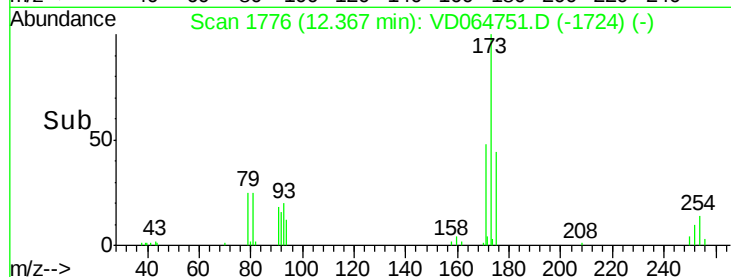
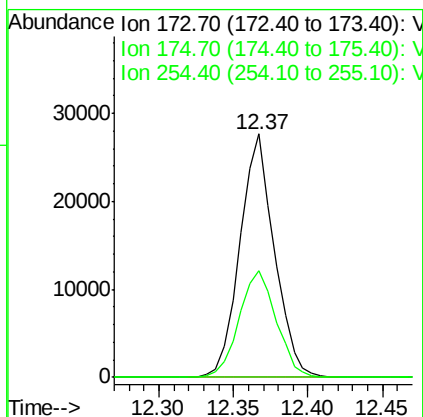
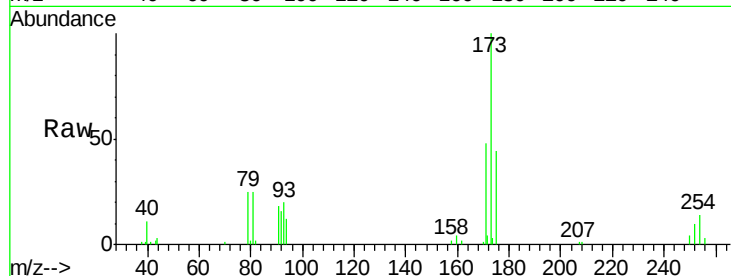
#71
Bromoform
Concen: 20.514 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.6	73.8
254	0.0	0.1	0.1#

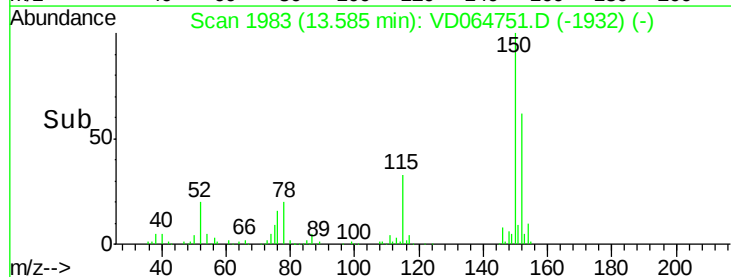
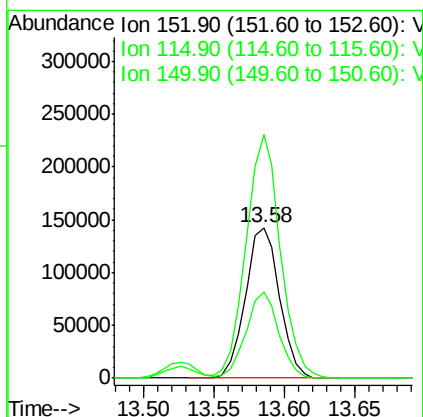
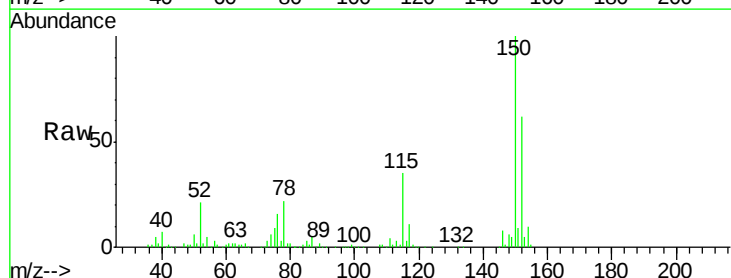
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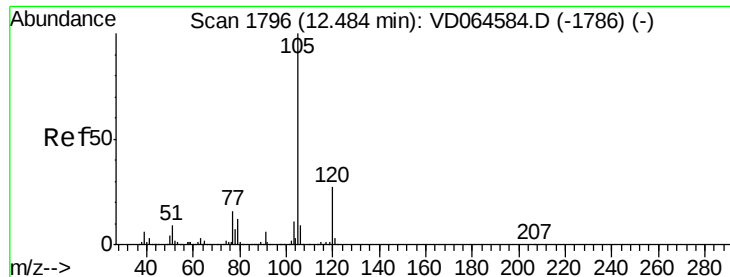
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	163.3	0.0	351.4





#73

Isopropylbenzene

Concen: 19.119 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 105 Resp: 329001

Ion Ratio Lower Upper

105 100

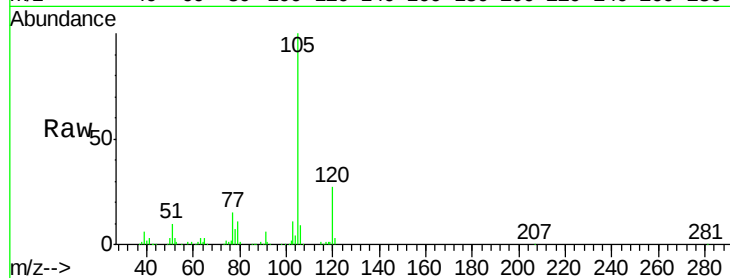
120 27.2 13.5 40.5

Manual Integrations

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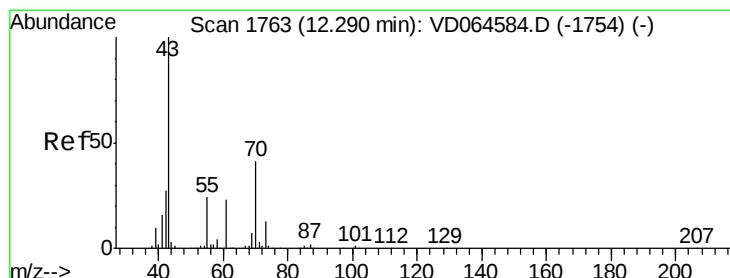
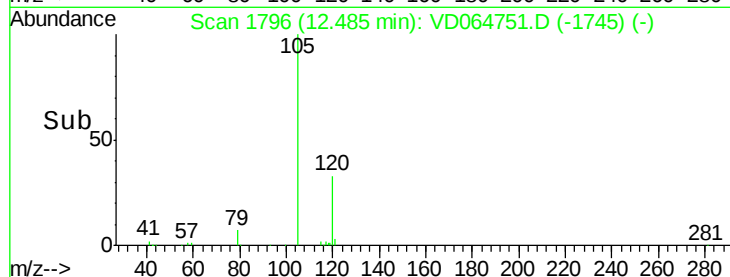
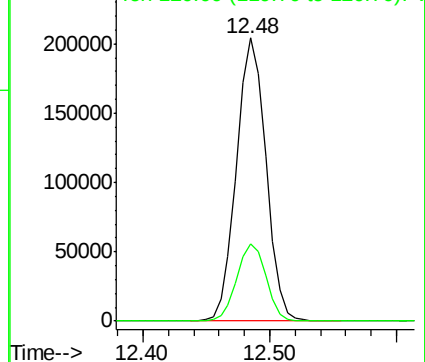
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.410 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion: 43 Resp: 75077

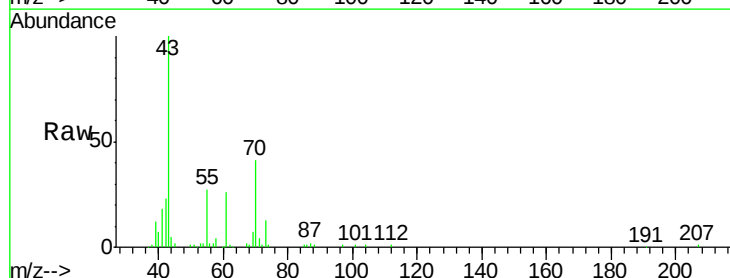
Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.0

55 25.2 19.4 29.0

61 22.8 18.3 27.5

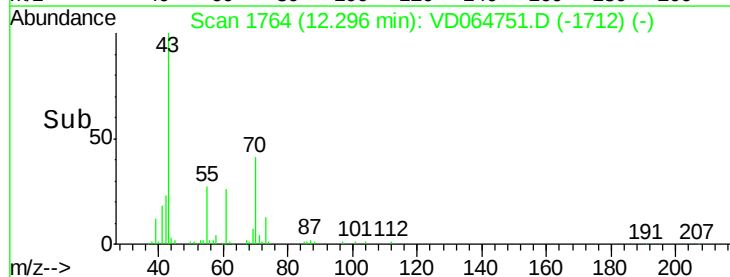
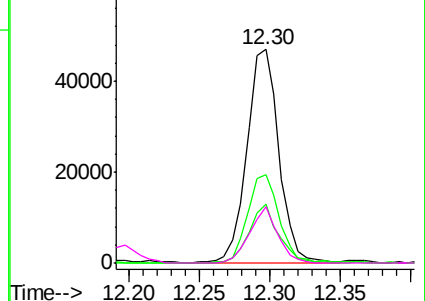


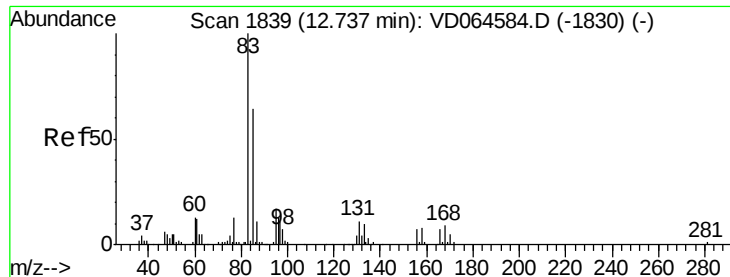
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.037 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

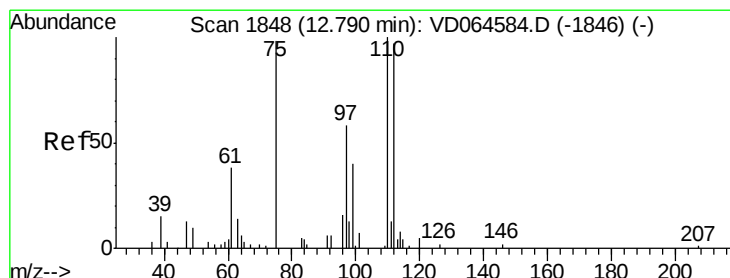
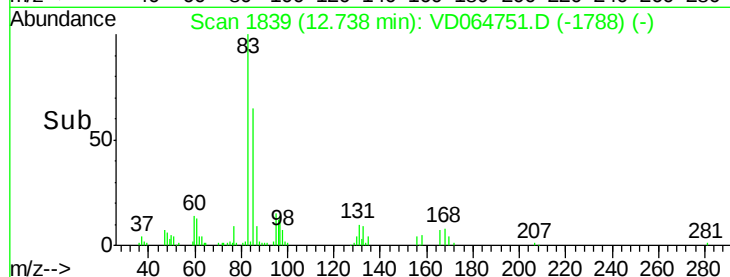
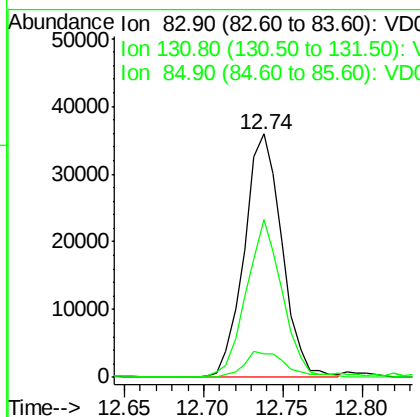
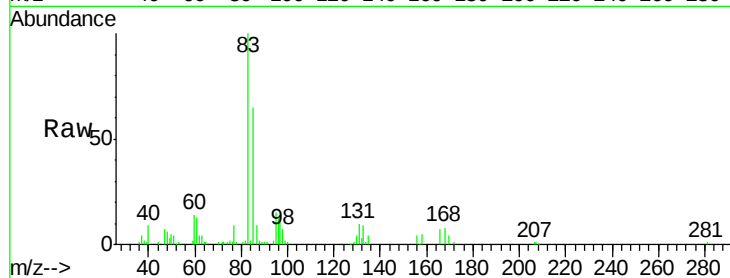
ClientSampleId :

VD0103SBS02

Tgt Ion:	83	Resp:	59571
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	61.7	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 19.680 ug/l m

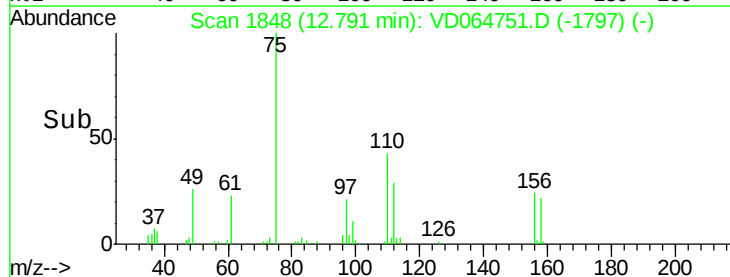
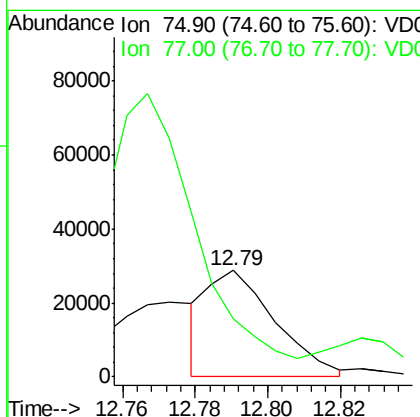
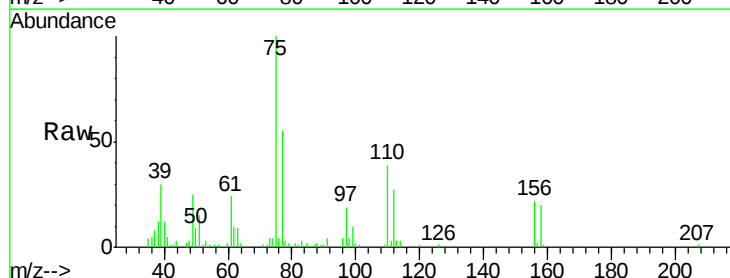
RT: 12.79 min Scan# 1848

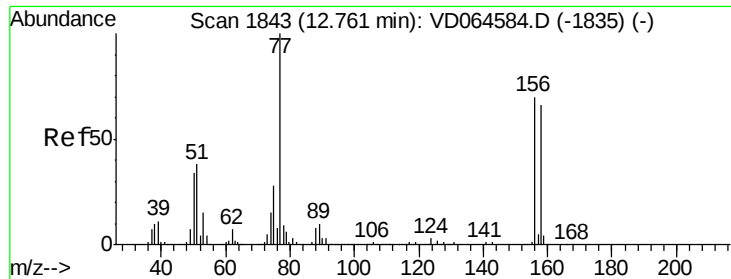
Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion:	75	Resp:	37421
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.557 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

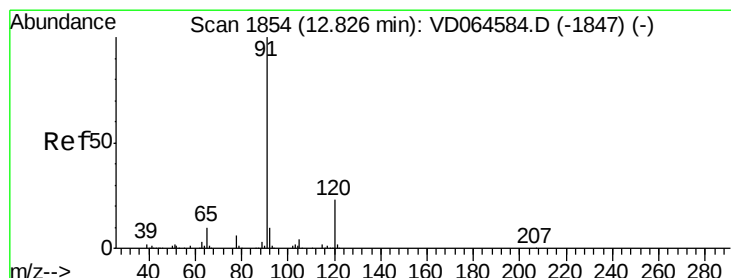
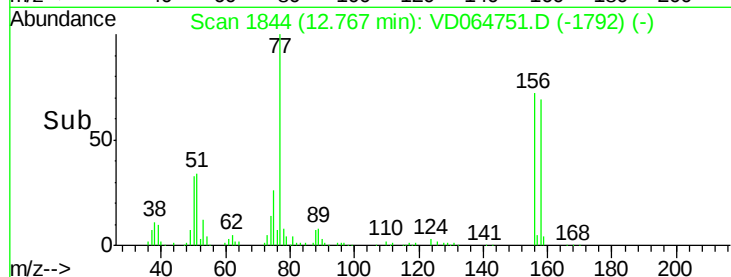
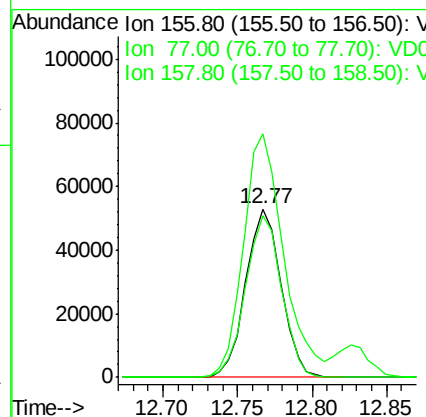
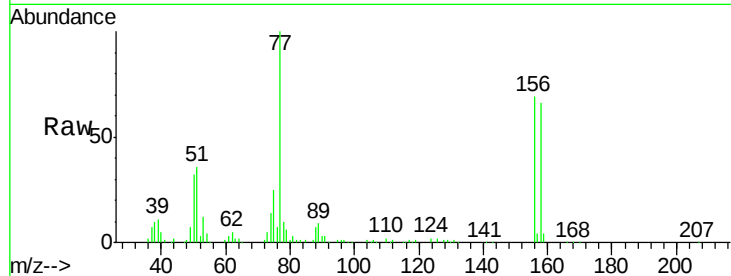
ClientSampleId :

VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	164.4	80.9	242.7
158	97.9	48.0	144.2

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#78

n-propylbenzene

Concen: 19.463 ug/l

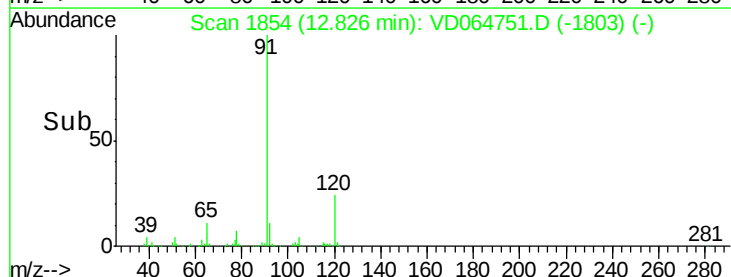
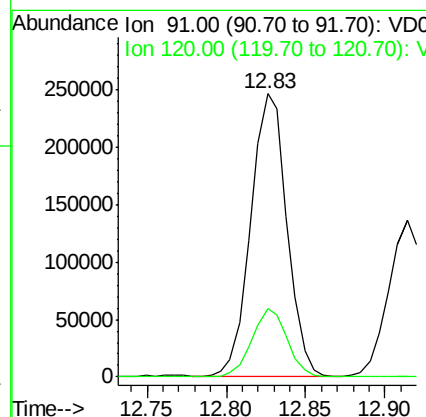
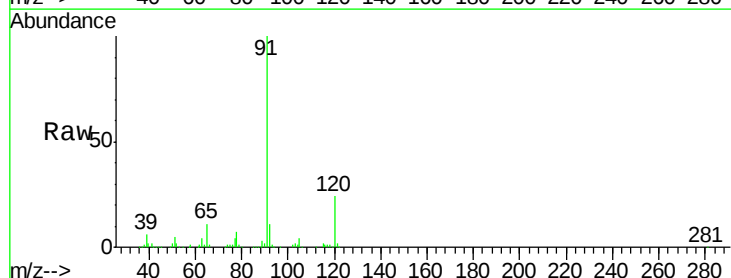
RT: 12.83 min Scan# 1854

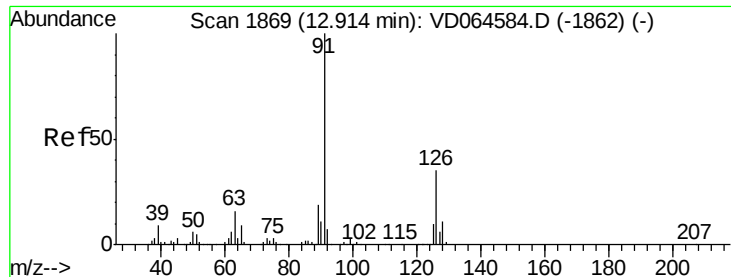
Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.352 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 91 Resp: 224439

Ion Ratio Lower Upper

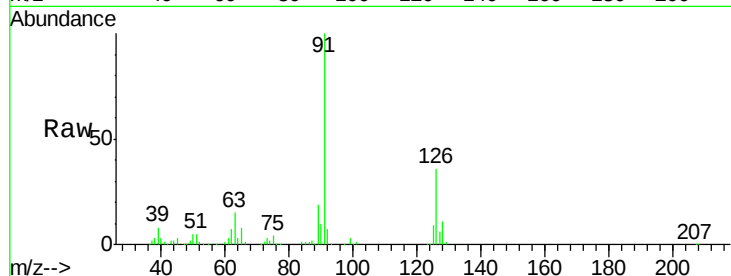
91 100

126 35.4 17.8 53.5

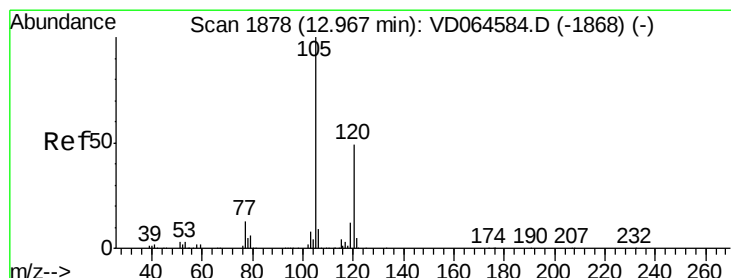
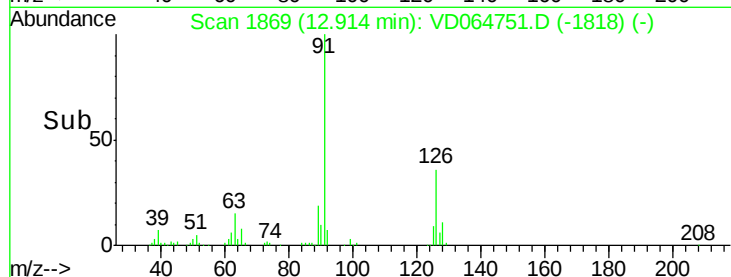
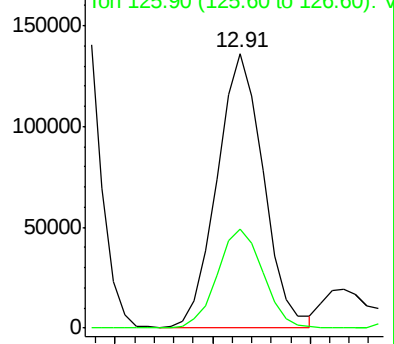
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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.510 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064751.D

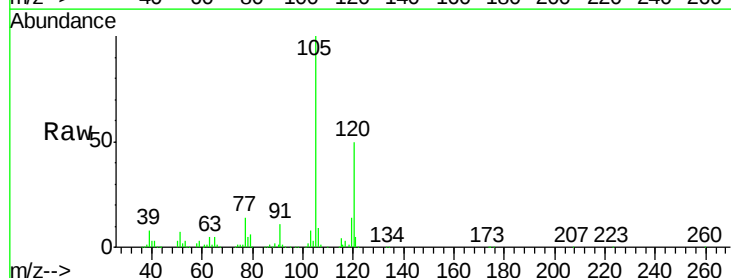
Acq: 04 Jan 2020 00:38

Tgt Ion: 105 Resp: 275776

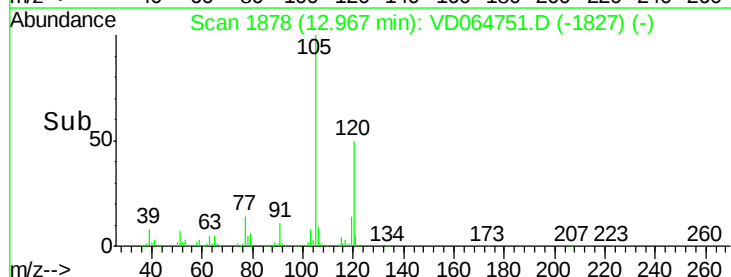
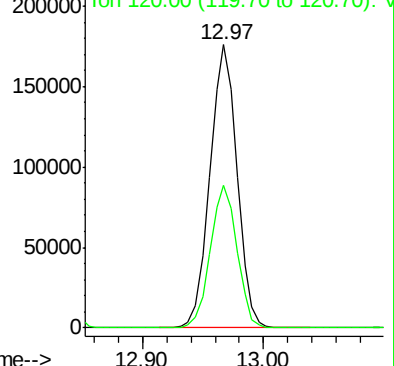
Ion Ratio Lower Upper

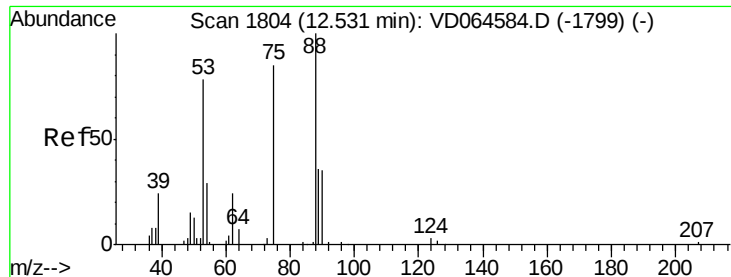
105 100

120 49.6 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.626 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Instrument :

MSVOA_D

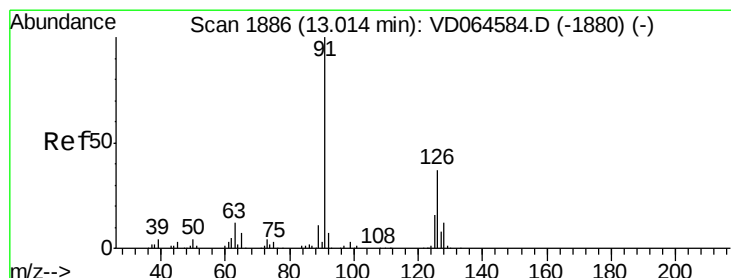
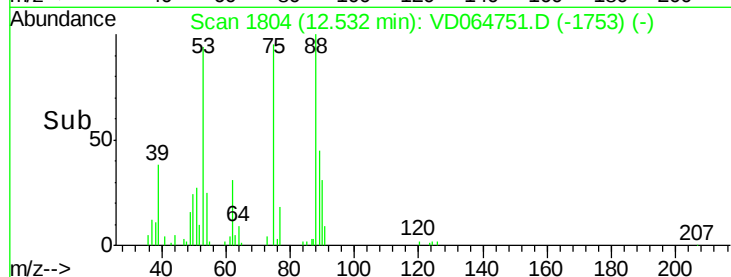
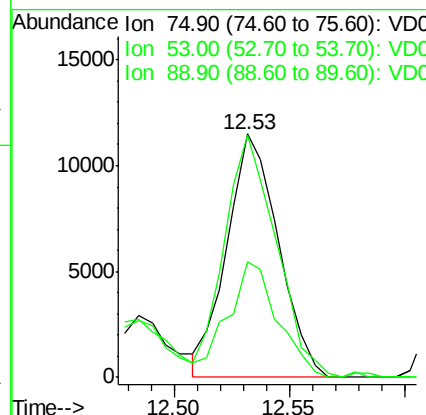
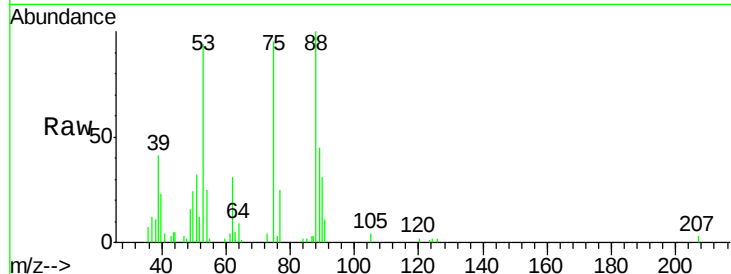
ClientSampleId :

VD0103SBS02

Tgt Ion:	75	Resp:	17843
Ion Ratio	Lower	Upper	
75	100		
53	100.0	78.8	118.2
89	46.4	38.3	57.5

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#82

4-Chlorotoluene

Concen: 19.891 ug/l

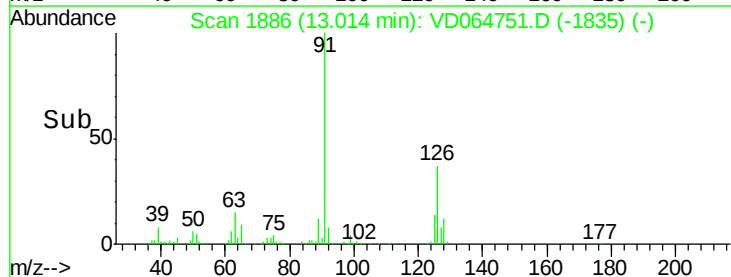
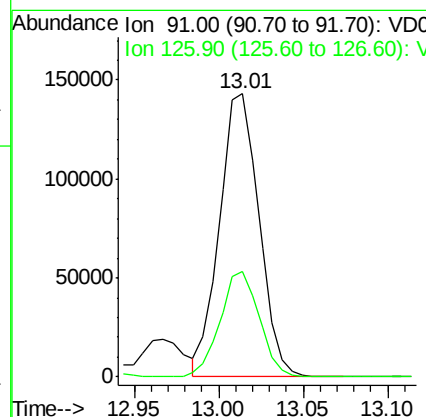
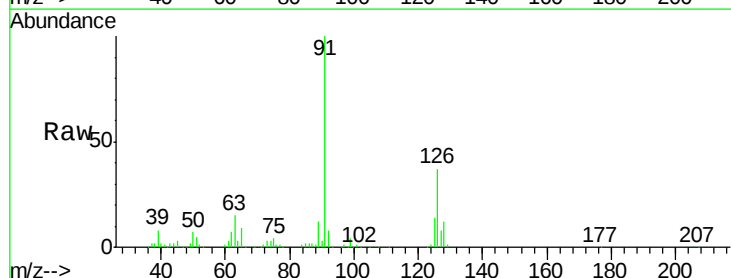
RT: 13.01 min Scan# 1886

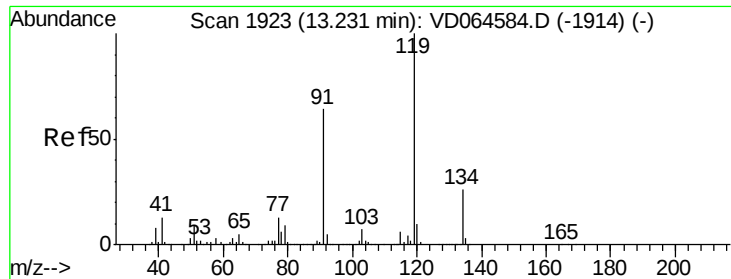
Delta R.T. 0.00 min

Lab File: VD064751.D

Acq: 04 Jan 2020 00:38

Tgt Ion:	91	Resp:	233435
Ion Ratio	Lower	Upper	
91	100		
126	37.1	17.8	53.5





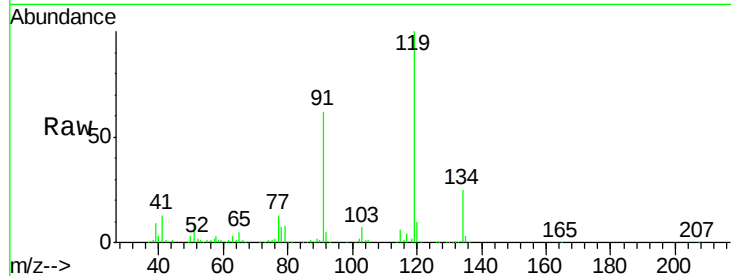
#83
 tert-Butylbenzene
 Concen: 19.014 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

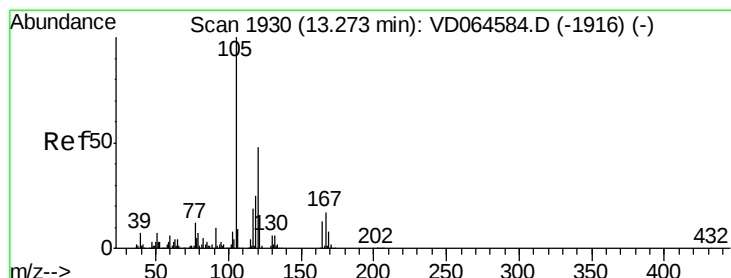
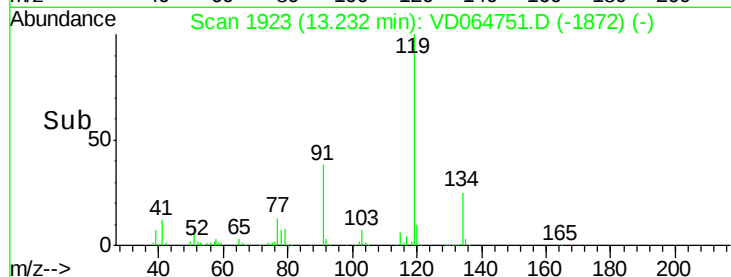
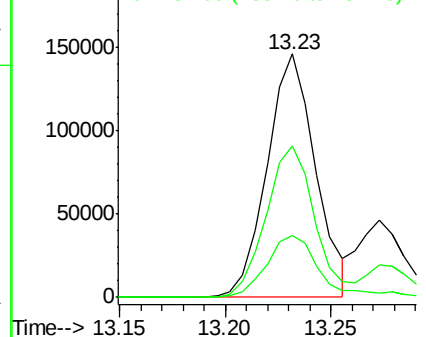
Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	63.0	30.8	92.4
134	28.1	12.8	38.3

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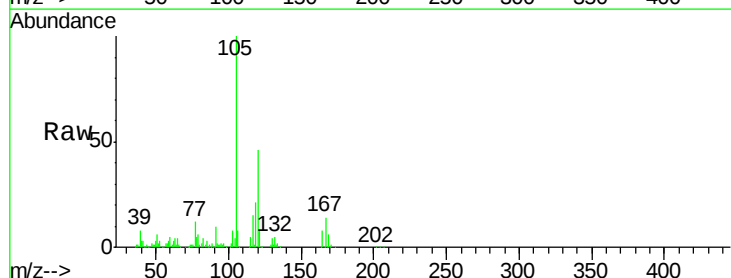


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

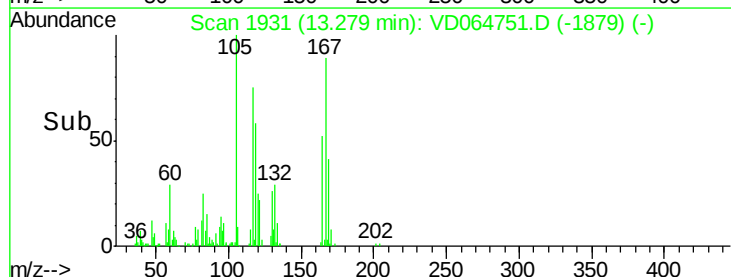
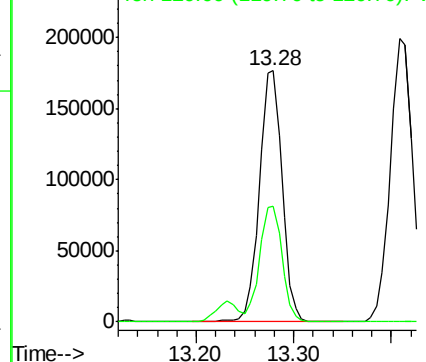


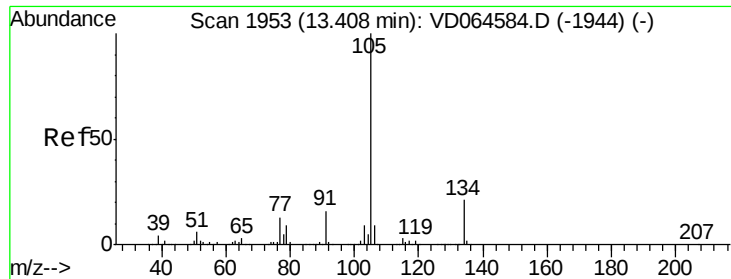
#84
 1,2,4-Trimethylbenzene
 Concen: 20.424 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	45.6	23.8	71.2



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





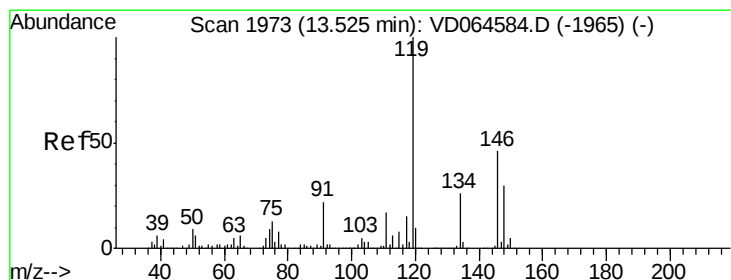
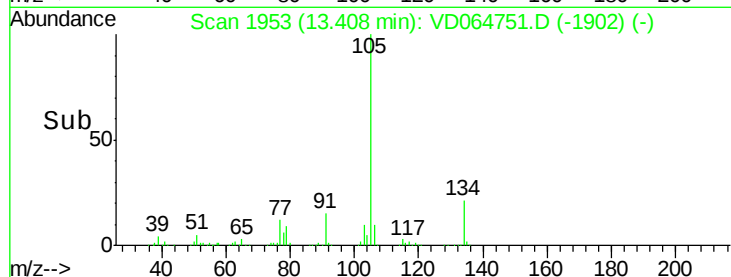
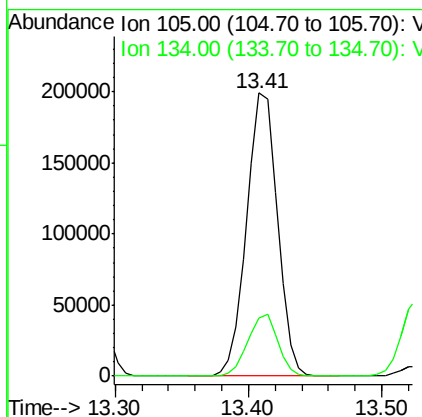
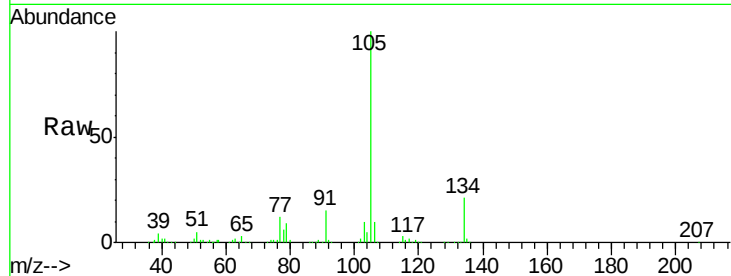
#85
 sec-Butylbenzene
 Concen: 18.875 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.6	31.8

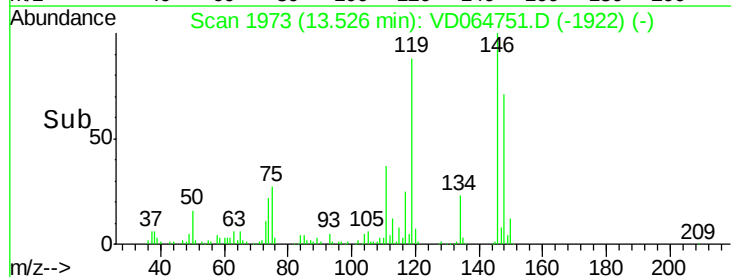
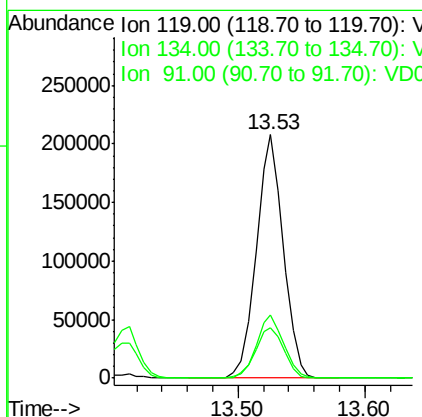
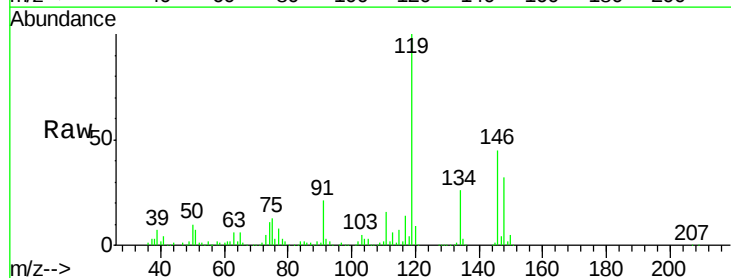
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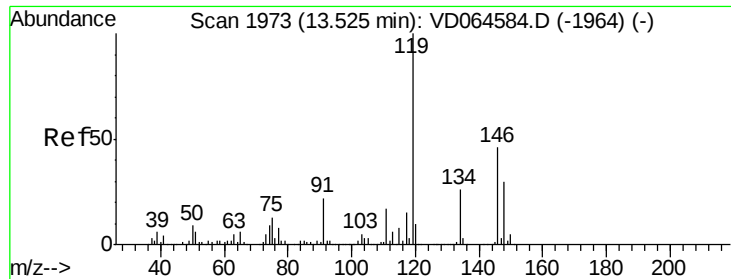
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#86
 p-Isopropyltoluene
 Concen: 19.039 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.4	40.1
91	22.1	11.2	33.6





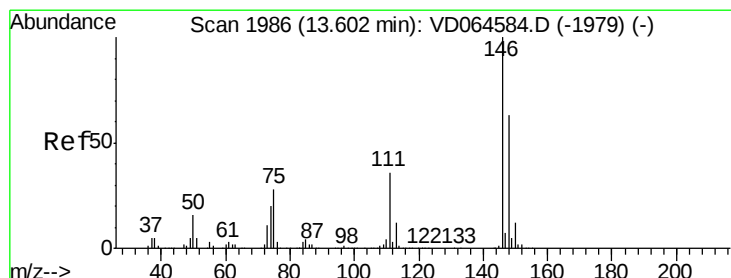
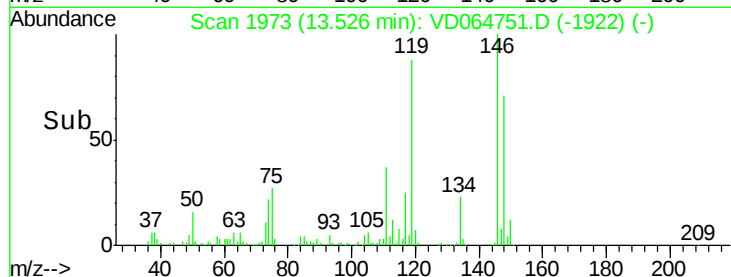
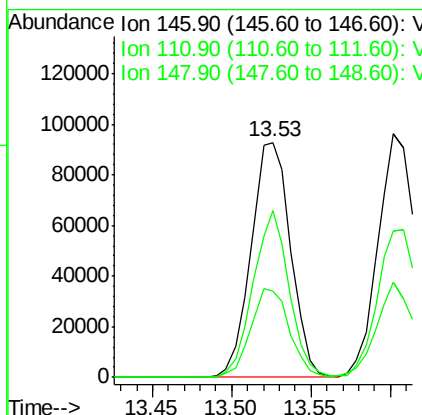
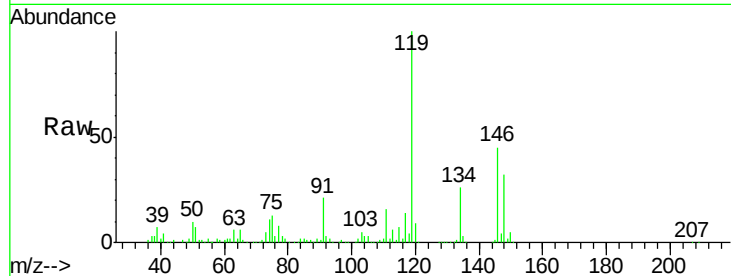
#87
 1,3-Dichlorobenzene
 Concen: 19.989 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	64.8	32.5	97.5

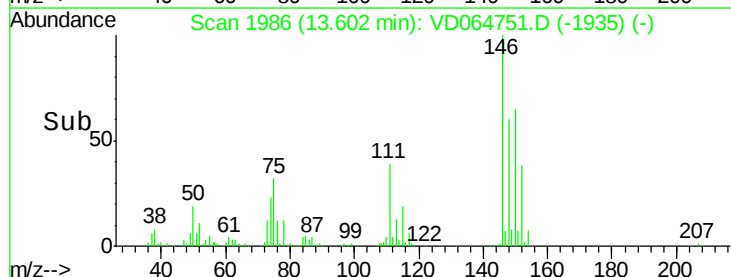
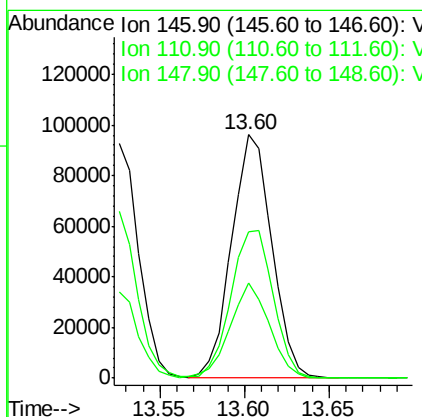
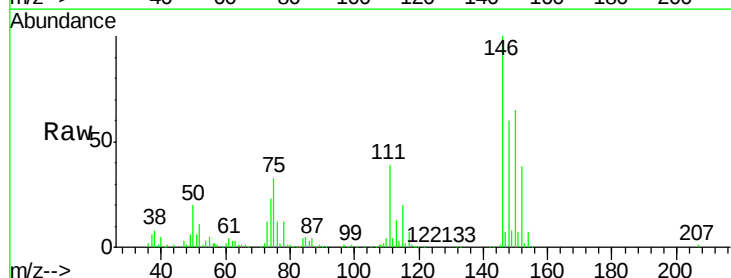
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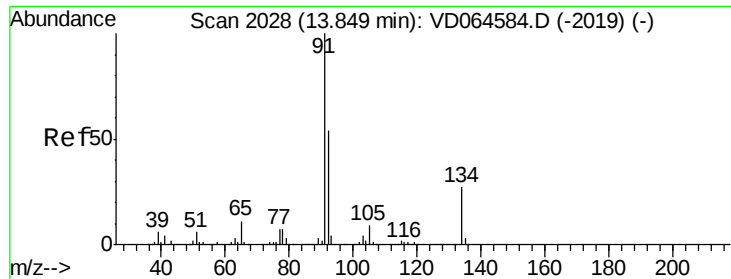
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#88
 1,4-Dichlorobenzene
 Concen: 20.134 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.1	54.1
148	63.9	32.3	96.9





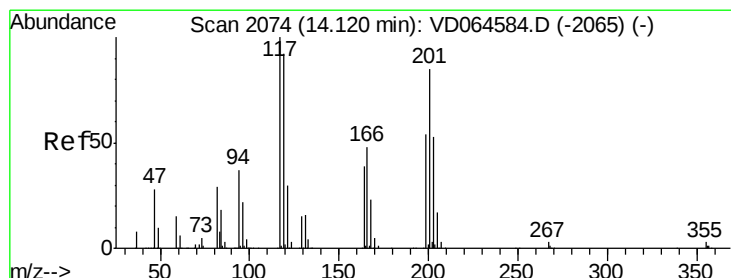
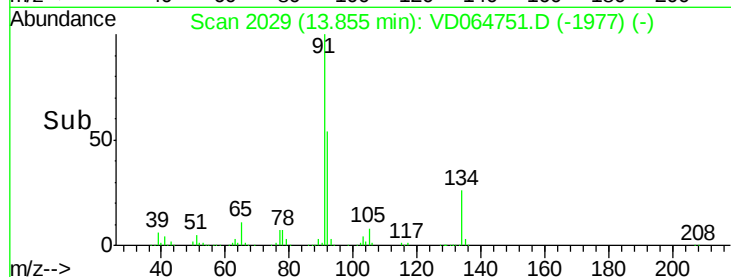
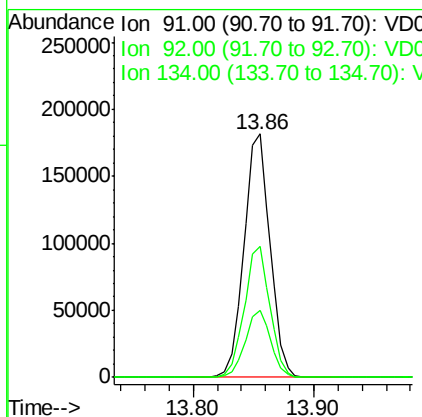
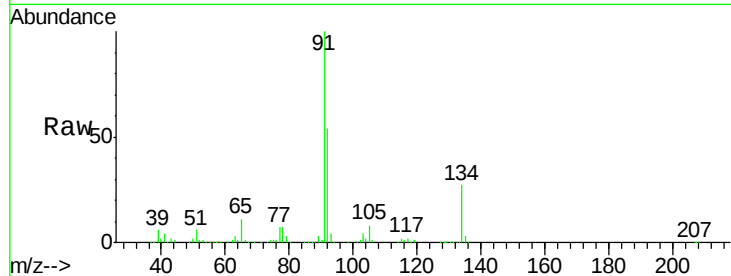
#89
n-Butylbenzene
Concen: 18.846 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	273039		
92	52.9	26.8	80.4	
134	27.1	14.0	41.9	

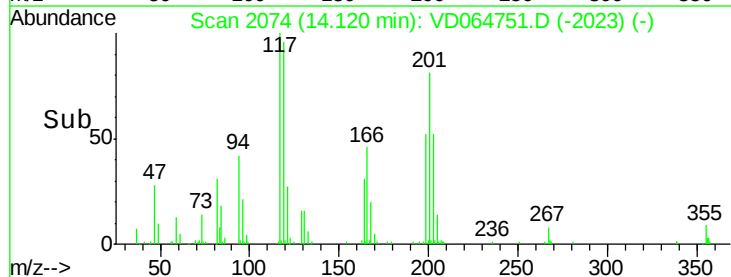
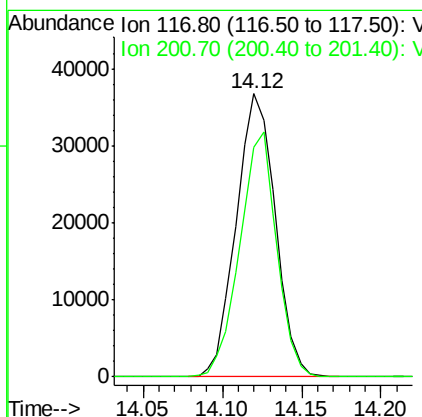
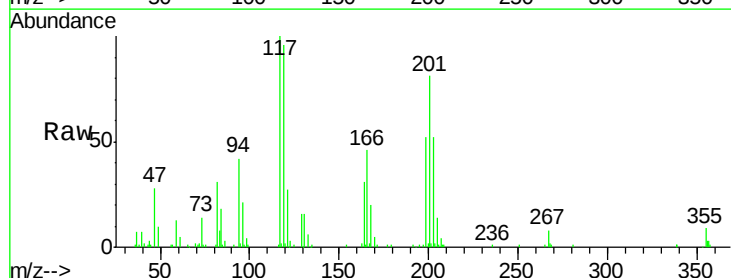
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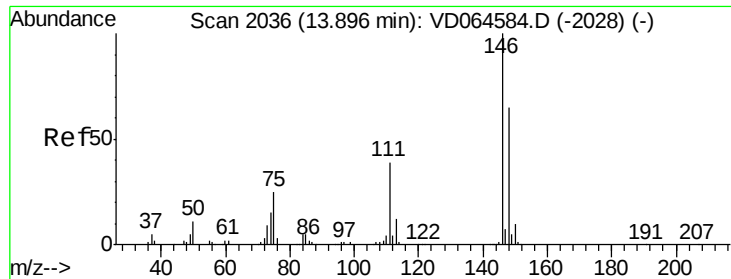
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#90
Hexachloroethane
Concen: 20.466 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	62897		
201	81.8	44.0	131.8	





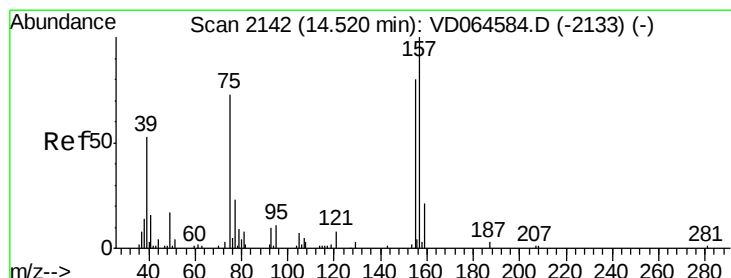
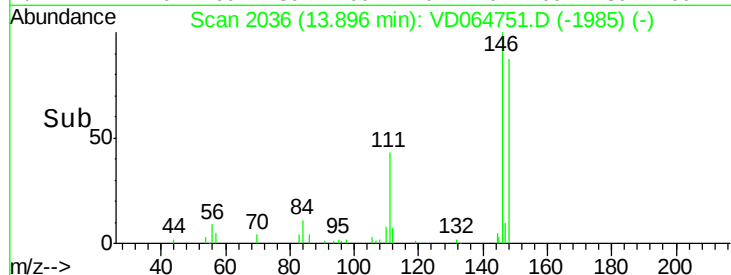
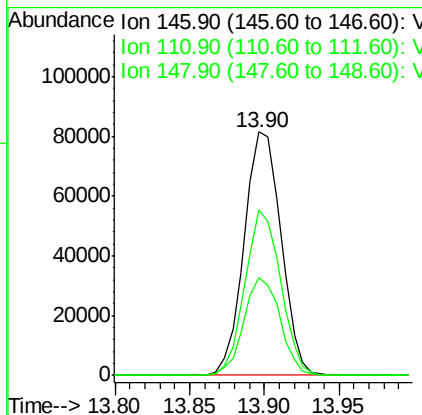
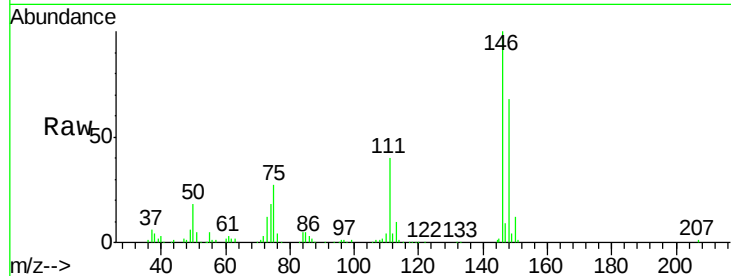
#91
 1,2-Dichlorobenzene
 Concen: 20.260 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.3	57.9
148	65.7	31.9	95.5

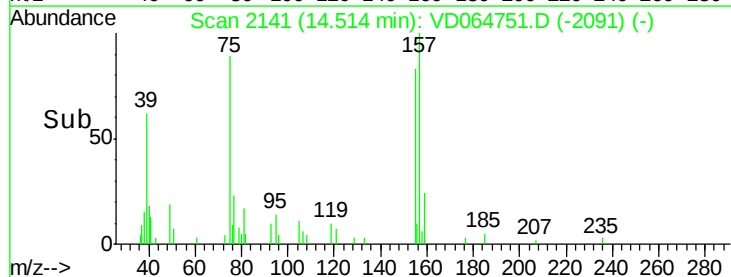
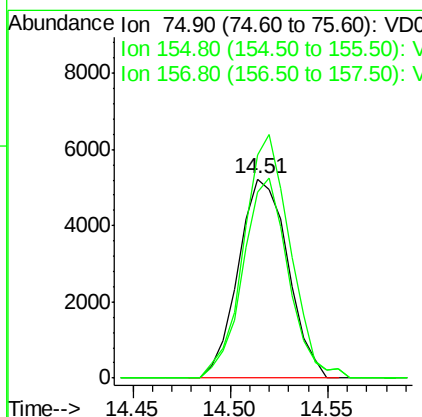
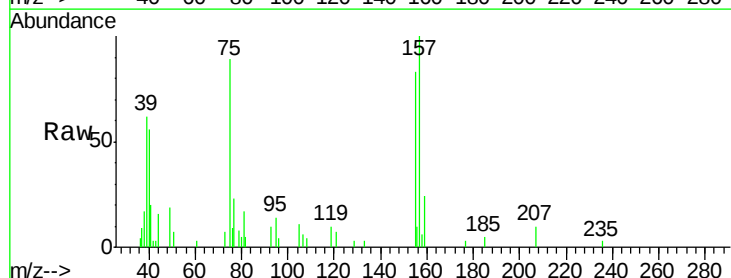
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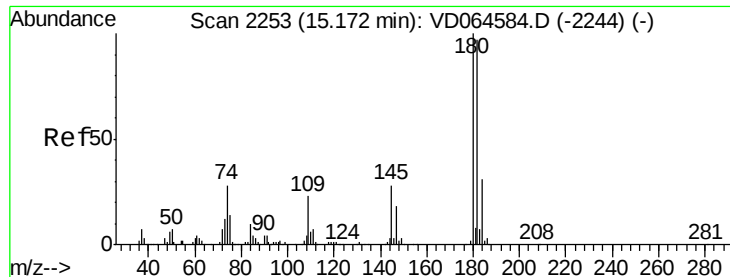
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.031 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	48.0	144.0
157	114.1	64.1	192.3





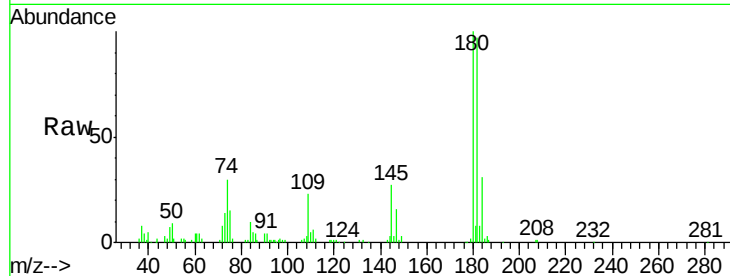
#93
 1,2,4-Trichlorobenzene
 Concen: 19.369 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

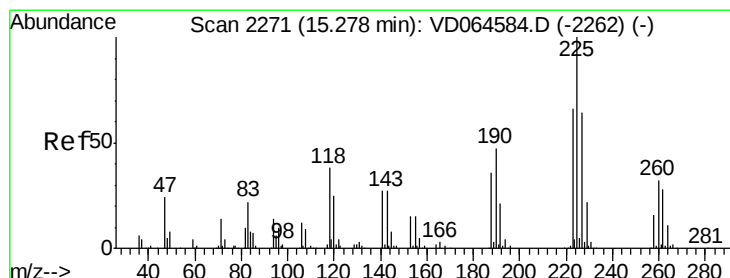
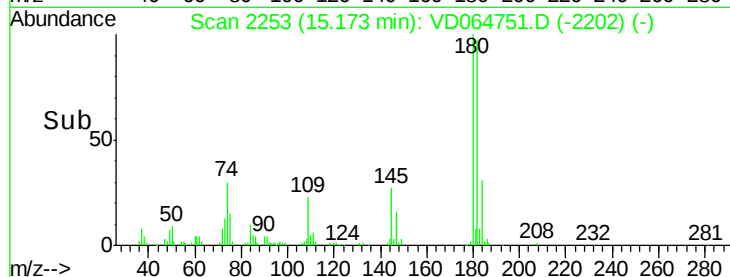
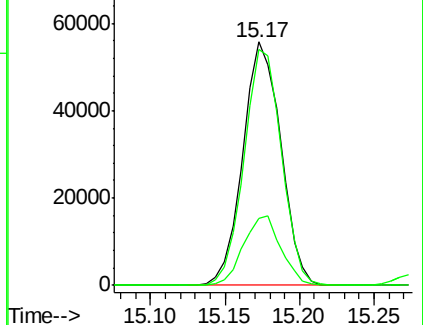
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98021		
182	95.5	48.0	144.2	
145	28.4	13.8	41.4	

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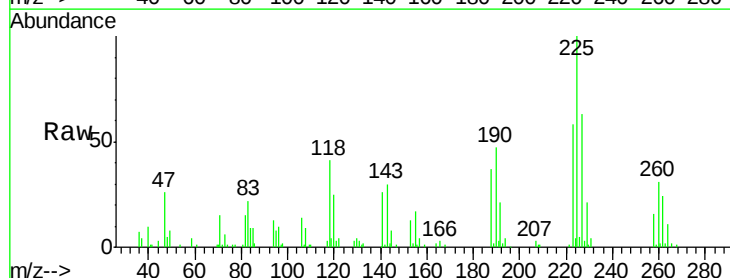


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

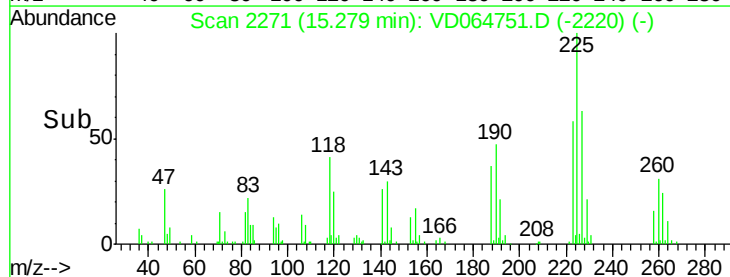
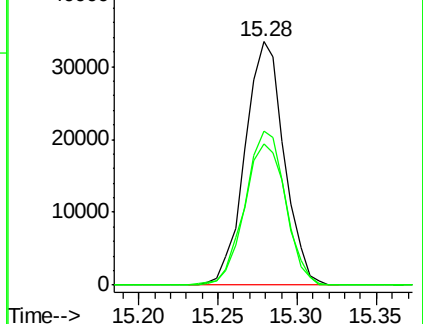


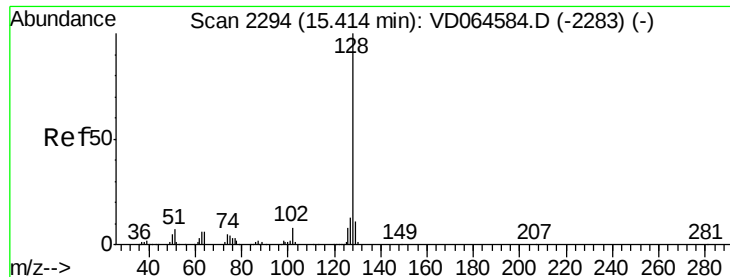
#94
 Hexachlorobutadiene
 Concen: 18.006 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064751.D
 Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57341		
223	61.9	31.1	93.2	
227	64.9	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





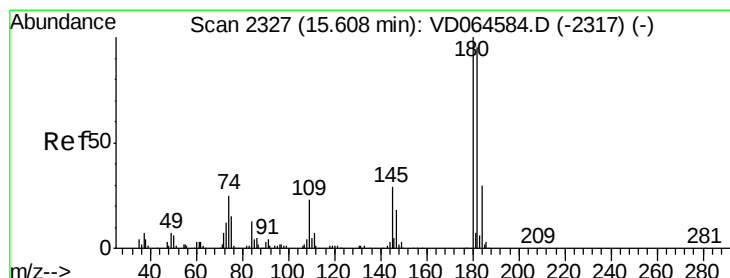
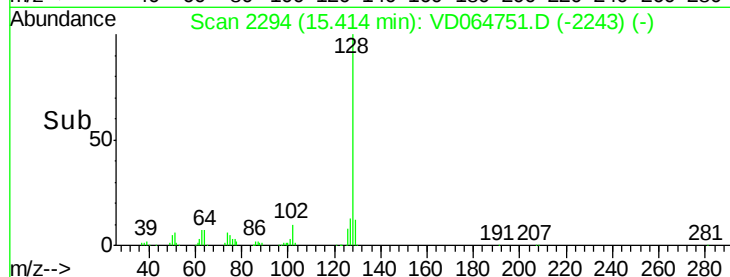
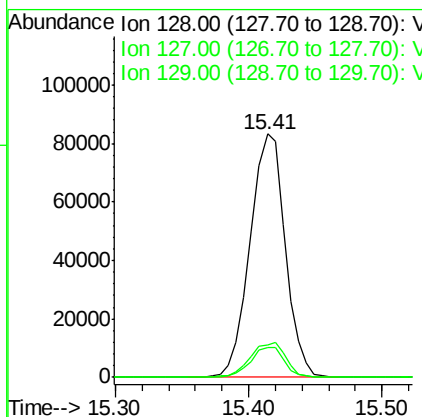
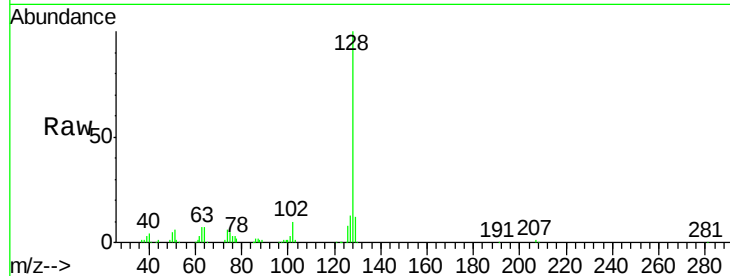
#95
Naphthalene
Concen: 18.900 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	151318		
127	14.4	10.3	15.5	
129	11.8	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 19.772 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064751.D
Acq: 04 Jan 2020 00:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	85423		
182	95.8	47.9	143.7	
145	31.0	14.9	44.7	

