

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064752.D
 Acq On : 04 Jan 2020 01:06
 Operator : VA/SY
 Sample : VD0103SBS02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBS02

Manual Integrations
 APPROVED

apatel
 1/6/2020 10:50:07 AM

Quant Time: Jan 06 07:54:34 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	7.99	168	345351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	533487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235603	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171384	56.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.56%	
35) Dibromofluoromethane	7.92	113	172060	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
50) Toluene-d8	10.34	98	650809	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.64	95	205450	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53578	19.963	ug/l	99
3) Chloromethane	2.21	50	84850	22.605	ug/l	96
4) Vinyl Chloride	2.35	62	100171	21.888	ug/l	100
5) Bromomethane	2.76	94	75153	22.584	ug/l	95
6) Chloroethane	2.92	64	71316	23.256	ug/l	99
7) Trichlorofluoromethane	3.27	101	159894	20.749	ug/l	96
8) Diethyl Ether	3.70	74	34597	22.609	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.08	101	67122	21.032	ug/l	97
10) Methyl Iodide	4.29	142	71363	20.817	ug/l	98
11) Tert butyl alcohol	5.24	59	20206	115.777	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	65255	21.477	ug/l	95
13) Acrolein	3.92	56	20724	85.204	ug/l	94
14) Allyl chloride	4.71	41	105797	22.333	ug/l	99
15) Acrylonitrile	5.43	53	73793	115.772	ug/l	99
16) Acetone	4.17	43	59450	88.661	ug/l #	88
17) Carbon Disulfide	4.40	76	203984	20.763	ug/l	96
18) Methyl Acetate	4.73	43	43626	25.446	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	150721	22.334	ug/l	97
20) Methylene Chloride	4.96	84	83837	24.418	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	76859	22.212	ug/l	97
22) Diisopropyl ether	6.37	45	219775	23.260	ug/l #	97
23) Vinyl Acetate	6.31	43	584602	109.070	ug/l	99
24) 1,1-Dichloroethane	6.26	63	134209	23.660	ug/l	100
25) 2-Butanone	7.23	43	89977	107.490	ug/l	98
26) 2,2-Dichloropropane	7.21	77	104465	19.808	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	87254	23.365	ug/l	97
28) Bromochloromethane	7.54	49	47866	21.708	ug/l	97
29) Tetrahydrofuran	7.57	42	58620	112.611	ug/l	99
30) Chloroform	7.71	83	138520	23.276	ug/l	100
31) Cyclohexane	7.99	56	111738	19.679	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	126103	22.559	ug/l	99
36) 1,1-Dichloropropene	8.11	75	103126	20.084	ug/l	99
37) Ethyl Acetate	7.30	43	42045	20.843	ug/l	97
38) Carbon Tetrachloride	8.09	117	114440	20.901	ug/l	93

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Quant Time: Jan 06 07:54:34 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)
39) Methylcyclohexane	9.36	83	118401	19.038	ug/l	91
40) Benzene	8.36	78	302822	21.603	ug/l	97
41) Methacrylonitrile	7.53	41	20524	17.536	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	92393	22.809	ug/l	98
43) Isopropyl Acetate	8.46	43	83599	20.821	ug/l	98
44) Trichloroethene	9.11	130	84371	20.489	ug/l	92
45) 1,2-Dichloropropane	9.39	63	73731	22.030	ug/l	98
46) Dibromomethane	9.48	93	40051	21.464	ug/l	98
47) Bromodichloromethane	9.66	83	109802	22.114	ug/l	99
48) Methyl methacrylate	9.46	41	39813	21.059	ug/l	95
49) 1,4-Dioxane	9.47	88	9194	427.309	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	212040	106.844	ug/l	99
52) Toluene	10.40	92	194115	21.107	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	99330	21.457	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	116370	21.319	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	53992	21.470	ug/l	90
56) Ethyl methacrylate	10.66	69	64330	20.483	ug/l	96
57) 1,3-Dichloropropane	10.95	76	95116	21.967	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	131015	109.496	ug/l	100
59) 2-Hexanone	10.99	43	137385	101.996	ug/l	99
60) Dibromochloromethane	11.14	129	76210	21.915	ug/l	100
61) 1,2-Dibromoethane	11.25	107	51258	20.666	ug/l	94
64) Tetrachloroethene	10.88	164	75013	20.266	ug/l	96
65) Chlorobenzene	11.67	112	210889	21.060	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	79657	21.101	ug/l	98
67) Ethyl Benzene	11.75	91	365028	20.084	ug/l	99
68) m/p-Xylenes	11.86	106	283457	40.405	ug/l	98
69) o-Xylene	12.18	106	128159	20.225	ug/l	99
70) Styrene	12.20	104	231540	20.817	ug/l	99
71) Bromoform	12.37	173	45082	20.941	ug/l #	98
73) Isopropylbenzene	12.48	105	346425	20.576	ug/l	100
74) N-amyl acetate	12.30	43	74958	20.827	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	58361	22.066	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	35453m	19.056	ug/l	
77) Bromobenzene	12.77	156	88357	21.358	ug/l	99
78) n-propylbenzene	12.83	91	405646	20.652	ug/l	99
79) 2-Chlorotoluene	12.91	91	225711	20.918	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	285063	20.611	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	17334	19.486	ug/l	93
82) 4-Chlorotoluene	13.01	91	242647	21.131	ug/l	98
83) tert-Butylbenzene	13.23	119	241647	20.123	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	286828	20.823	ug/l	100
85) sec-Butylbenzene	13.41	105	335821	20.399	ug/l	99
86) p-Isopropyltoluene	13.53	119	313863	19.939	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	164986	20.920	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	162803	21.014	ug/l	97
89) n-Butylbenzene	13.85	91	281462	19.855	ug/l	99
90) Hexachloroethane	14.12	117	64500	21.450	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	142375	21.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	8407	19.607	ug/l	99

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ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

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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)
93) 1,2,4-Trichlorobenzene	15.17	180	100374	20.271	ug/l	98
94) Hexachlorobutadiene	15.28	225	59901	19.224	ug/l	96
95) Naphthalene	15.41	128	155999	19.914	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	87818	20.774	ug/l	99

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

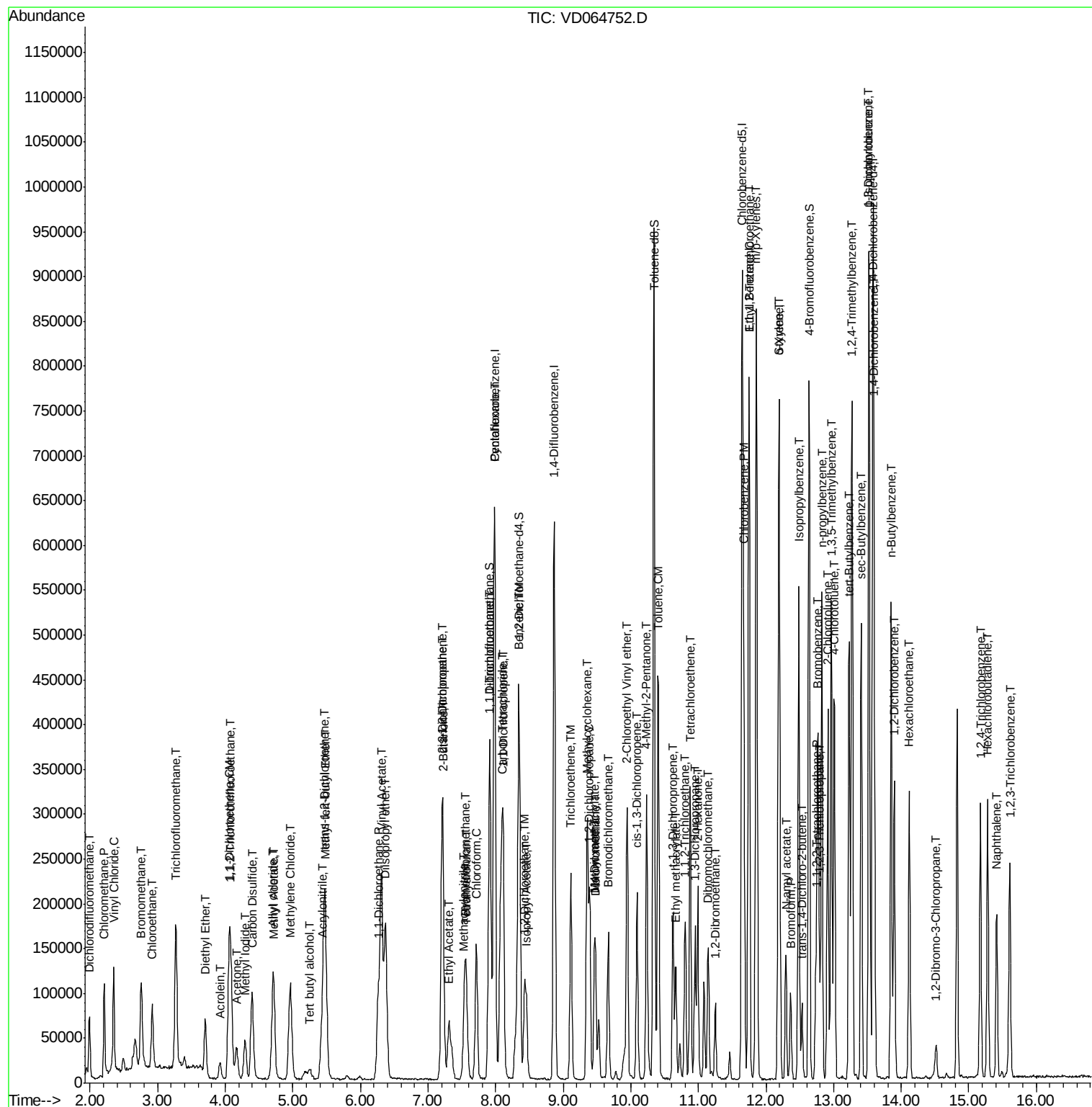
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Data File : VD064752.D
Acq On : 04 Jan 2020 01:06
Operator : VA/SY
Sample : VD0103SBS02
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 31 Sample Multiplier: 1

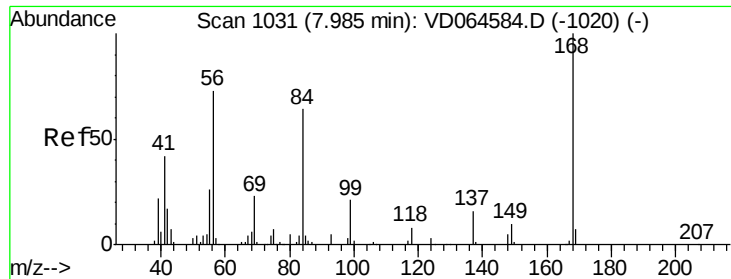
Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion:168 Resp: 345351

Ion Ratio Lower Upper

168 100

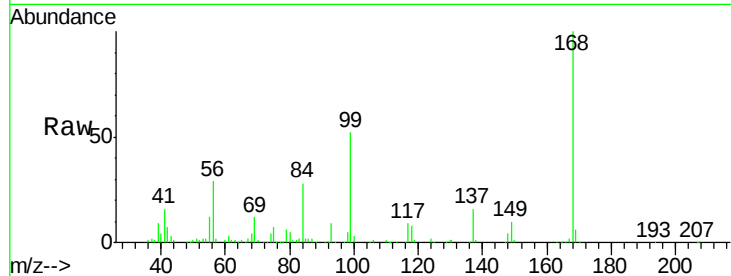
99 51.3 41.8 62.6

Manual Integrations

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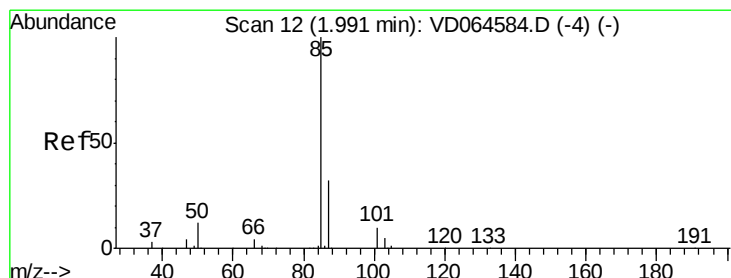
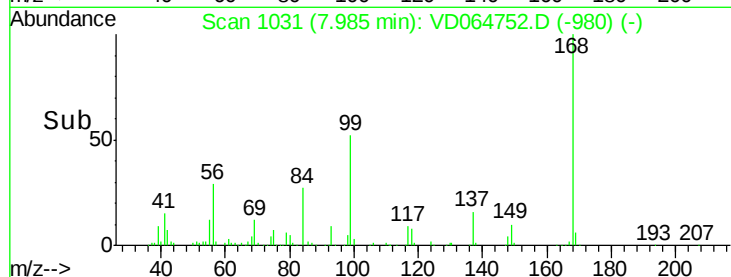
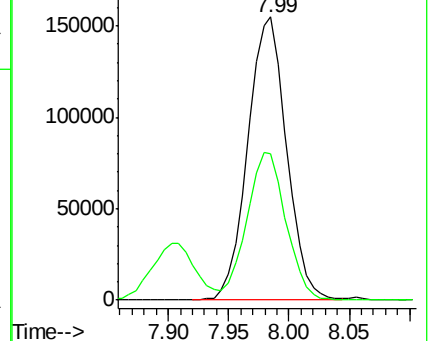
apatel

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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: 19.963 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064752.D

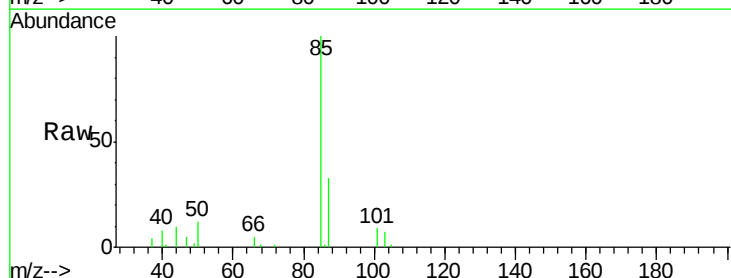
Acq: 04 Jan 2020 01:06

Tgt Ion: 85 Resp: 53578

Ion Ratio Lower Upper

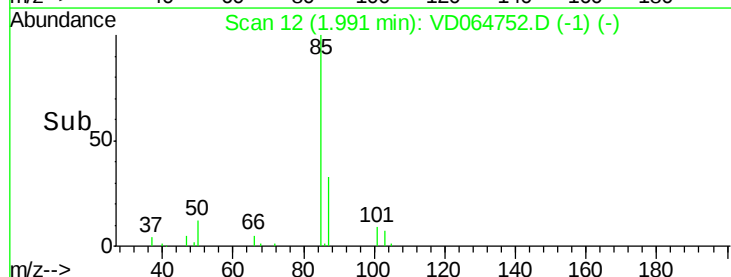
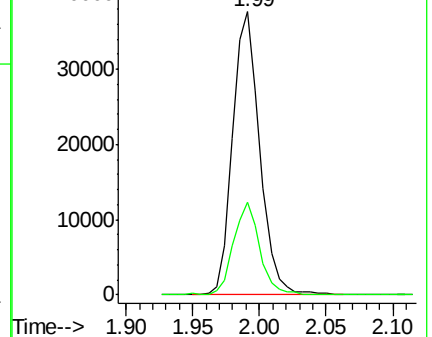
85 100

87 32.6 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: 22.605 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 50 Resp: 84850

Ion Ratio Lower Upper

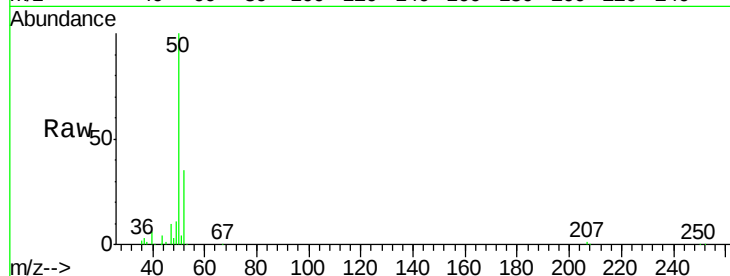
50 100

52 35.2 26.5 39.7

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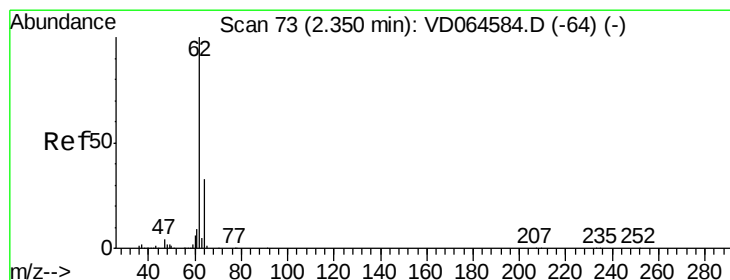
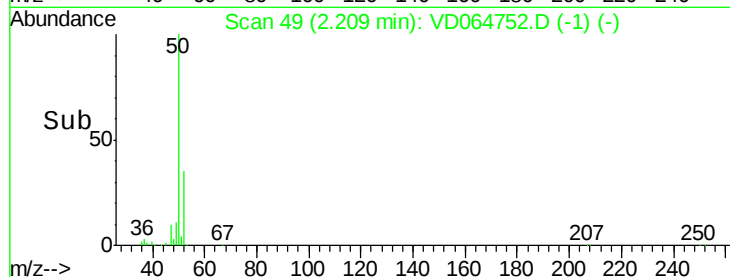
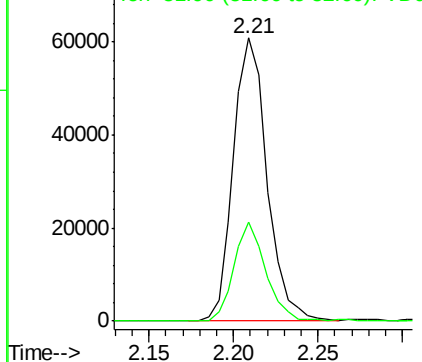
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.888 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064752.D

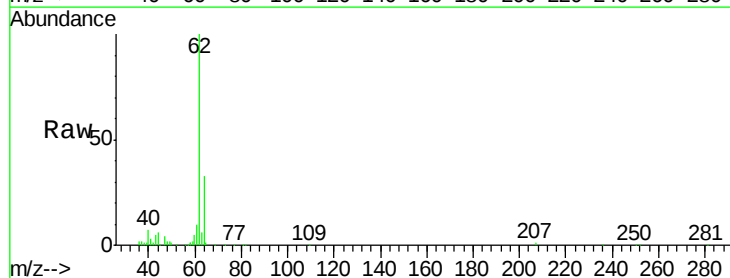
Acq: 04 Jan 2020 01:06

Tgt Ion: 62 Resp: 100171

Ion Ratio Lower Upper

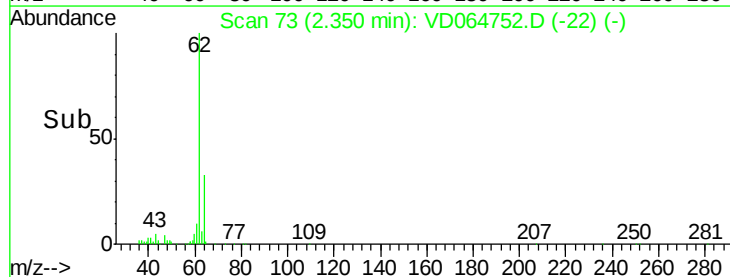
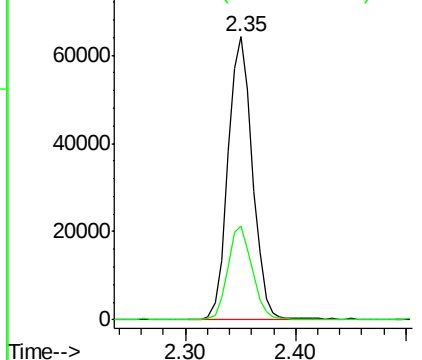
62 100

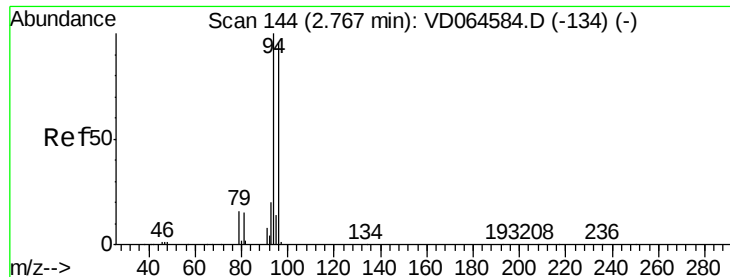
64 33.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.584 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleID :

VD0103SBS02

Tgt Ion: 94 Resp: 75153

Ion Ratio Lower Upper

94 100

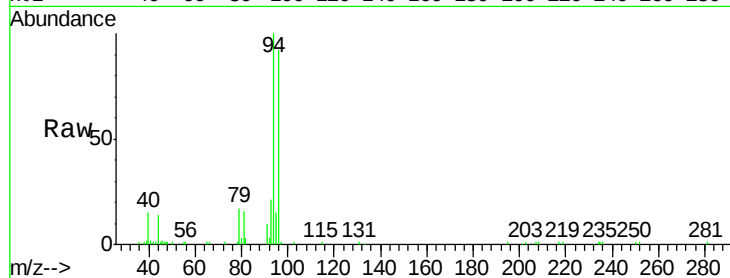
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Manual Integrations

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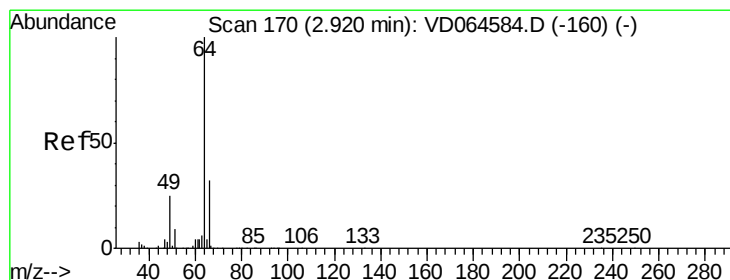
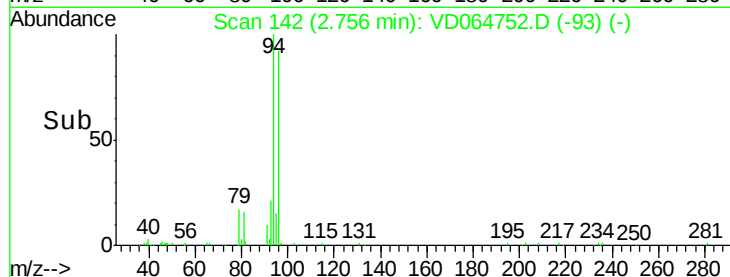
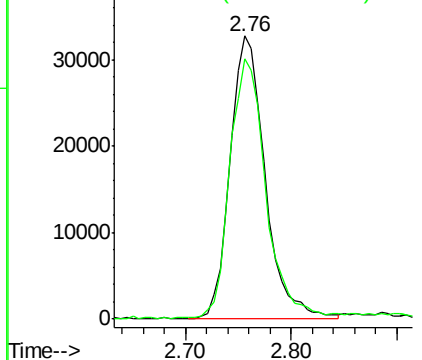
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.256 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064752.D

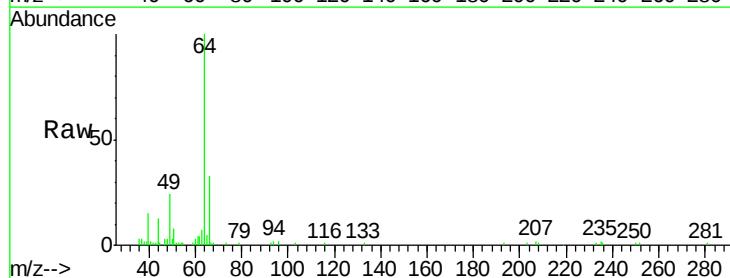
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Tgt Ion: 64 Resp: 71316

Ion Ratio Lower Upper

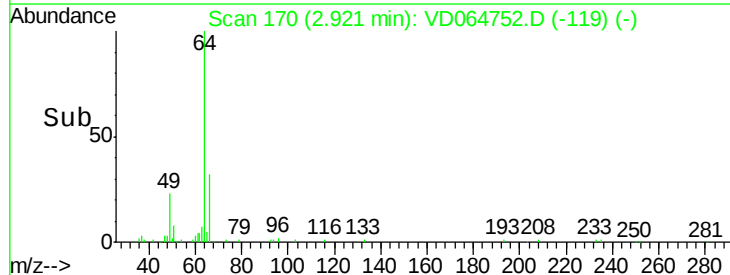
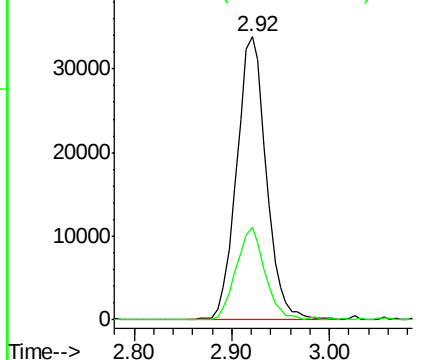
64 100

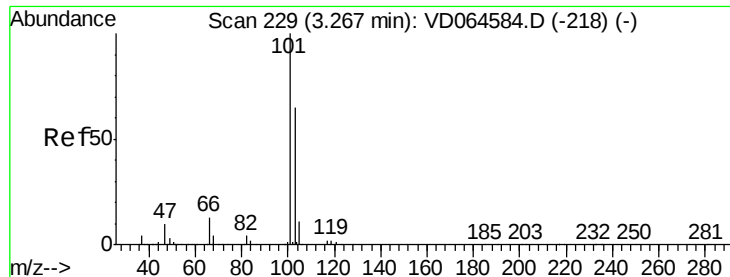
66 32.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

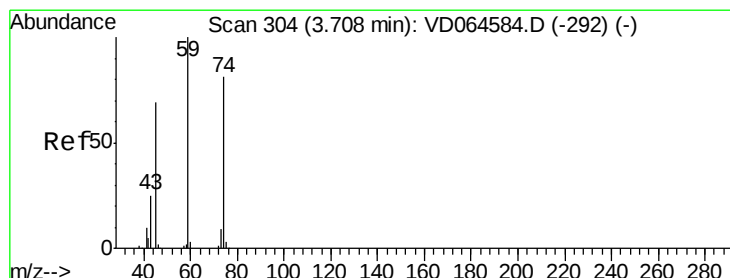
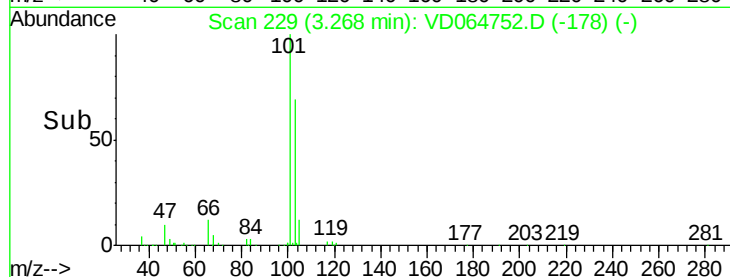
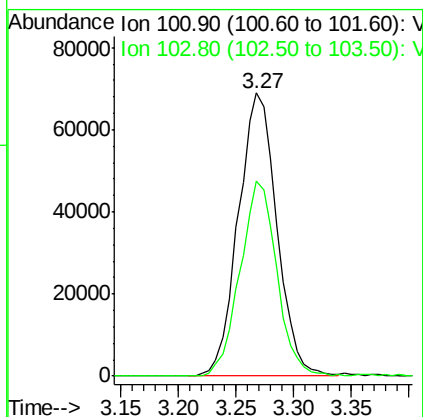
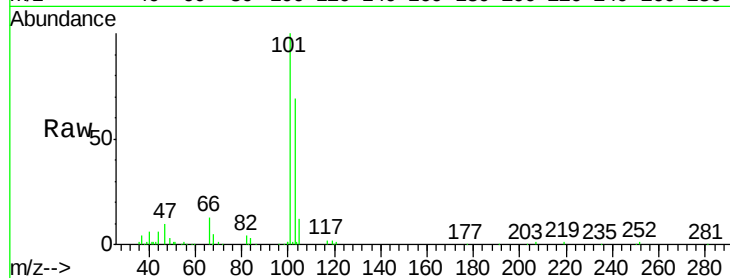
Trichlorofluoromethane
 Concen: 20.749 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
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 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
101	100		
103	68.7	52.2	78.4

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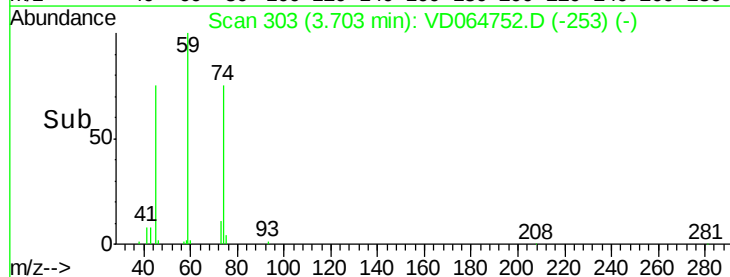
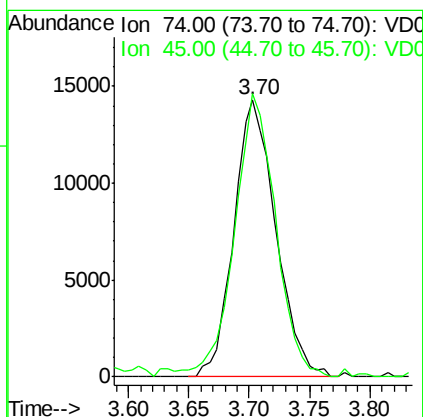
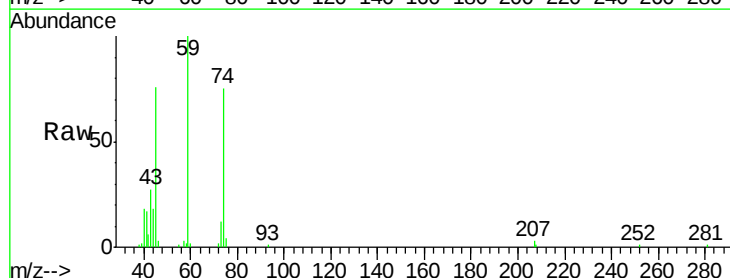
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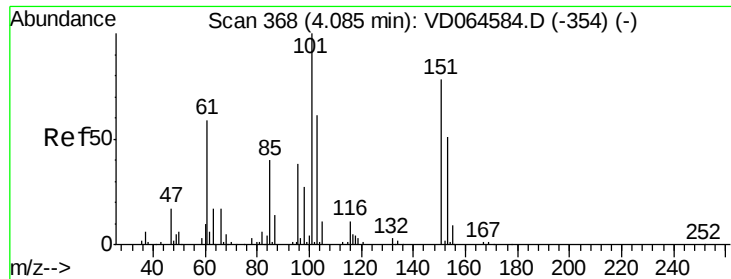


#8

Diethyl Ether
 Concen: 22.609 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.032 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

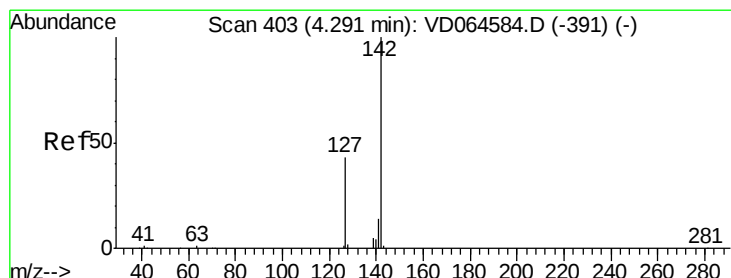
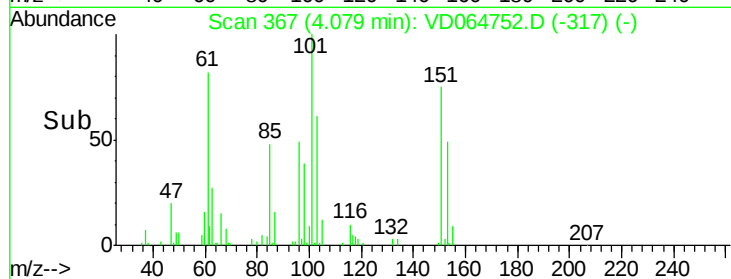
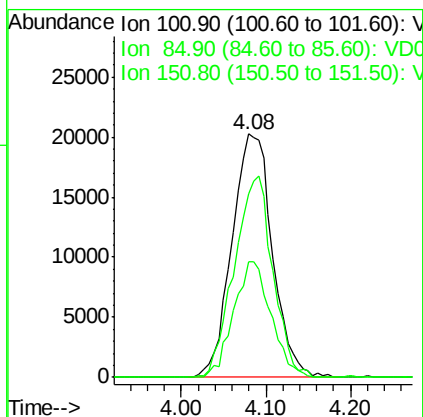
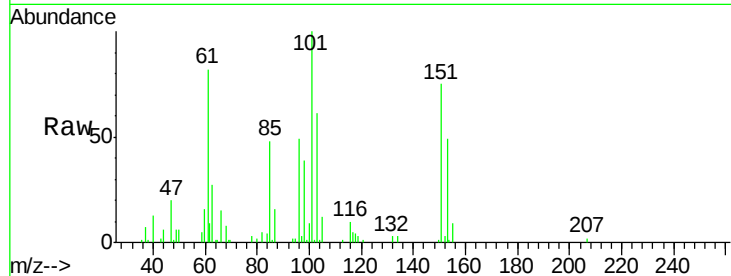
ClientSampleId :

VD0103SBSD02

Tgt Ion:	101	Resp:	67122
Ion Ratio	Lower	Upper	
101	100		
85	43.8	35.2	52.8
151	79.0	66.2	99.4

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#10

Methyl Iodide

Concen: 20.817 ug/l

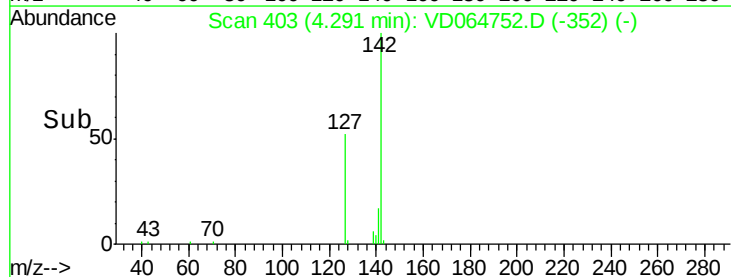
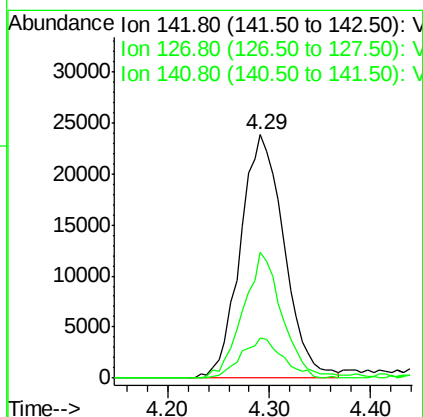
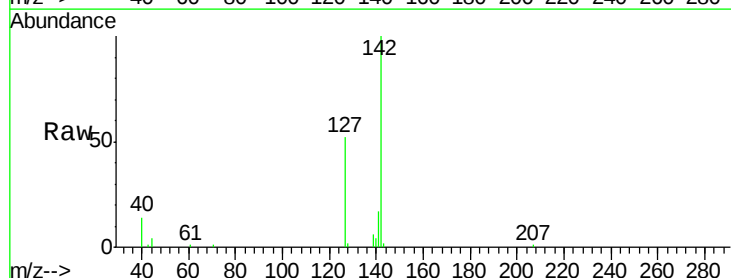
RT: 4.29 min Scan# 403

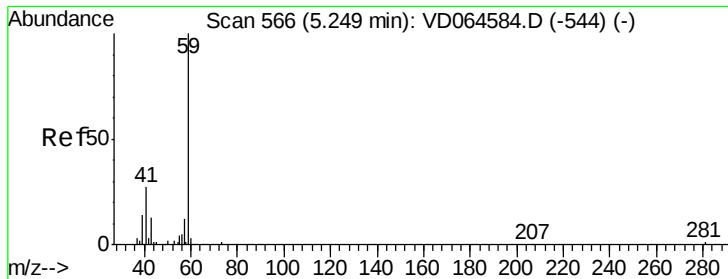
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	142	Resp:	71363
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.2	54.4
141	15.6	11.8	17.8





#11

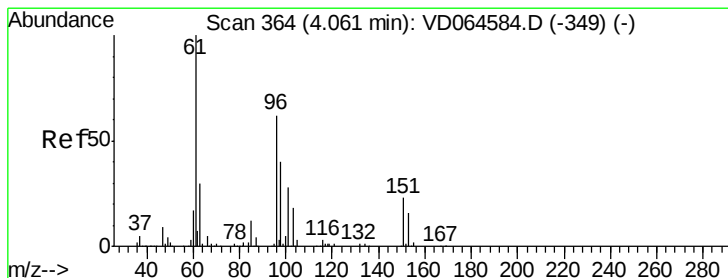
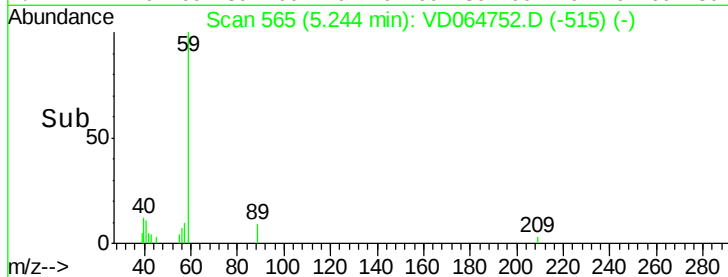
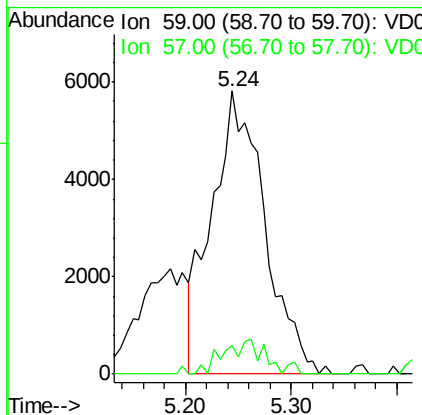
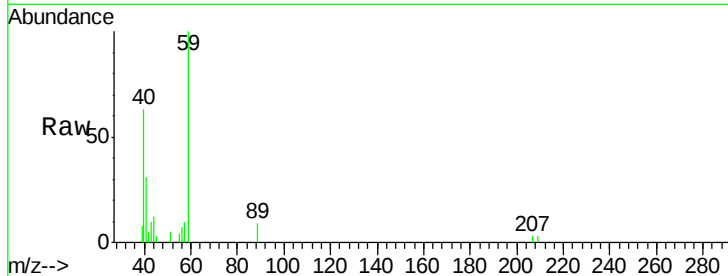
Tert butyl alcohol
 Concen: 115.777 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.0	9.3	13.9#

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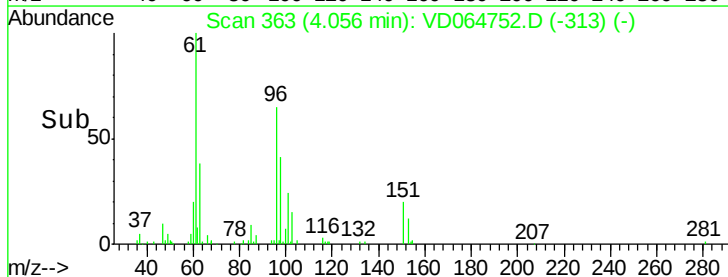
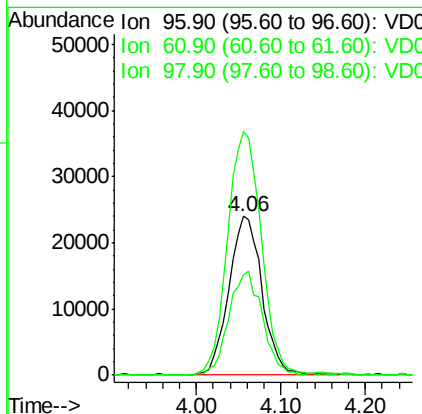
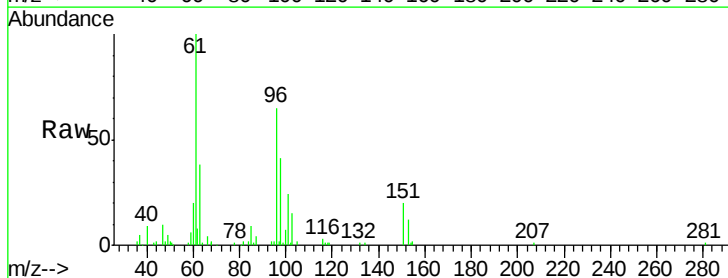
apatel
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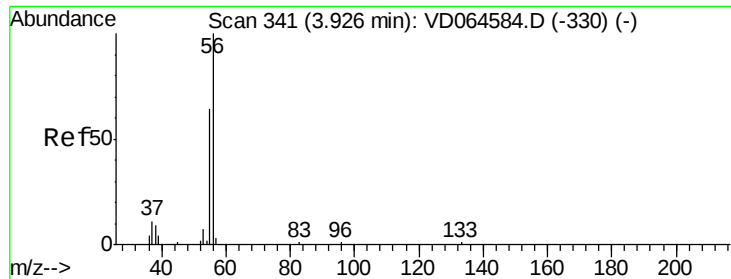


#12

1,1-Dichloroethene
 Concen: 21.477 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	129.4	194.0
98	63.3	51.4	77.0





#13

Acrolein

Concen: 85.204 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 56 Resp: 20724

Ion Ratio Lower Upper

56 100

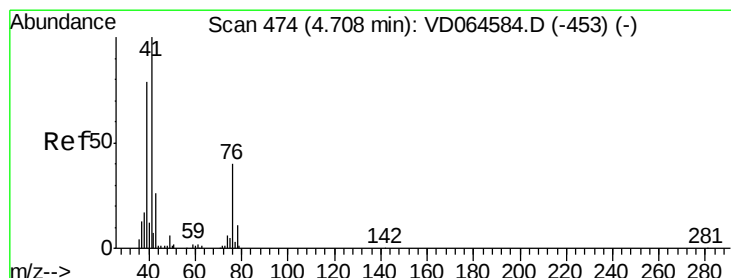
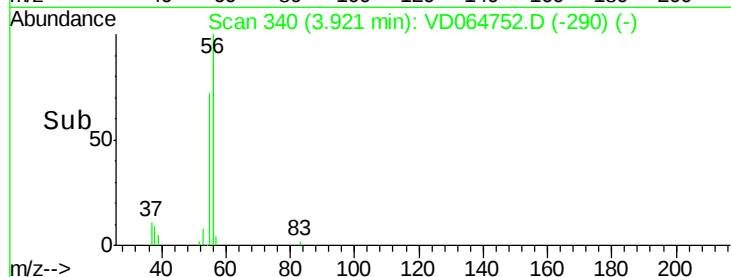
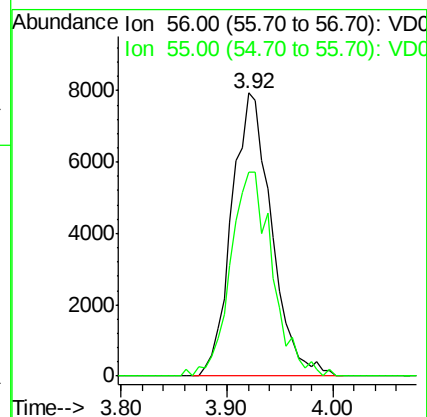
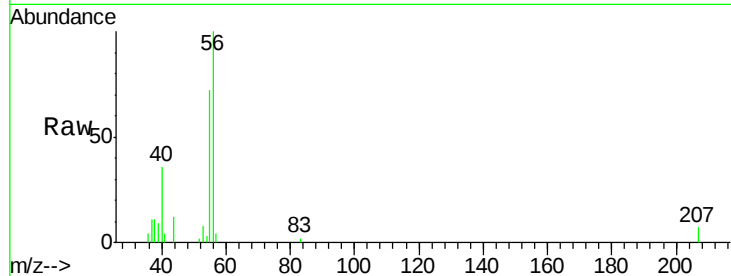
55 76.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.333 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

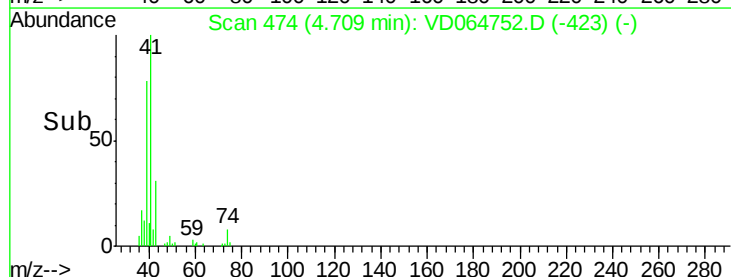
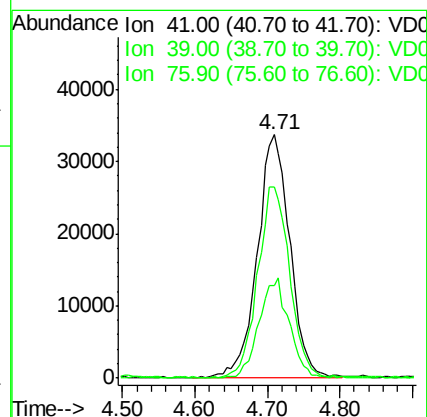
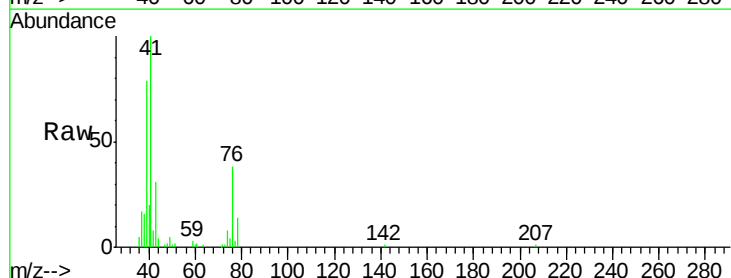
Tgt Ion: 41 Resp: 105797

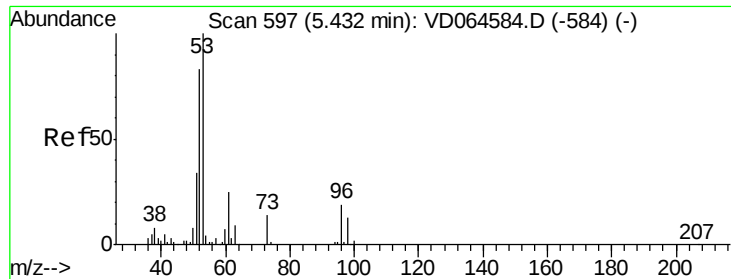
Ion Ratio Lower Upper

41 100

39 77.0 62.3 93.5

76 37.8 29.7 44.5





#15

Acrylonitrile

Concen: 115.772 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

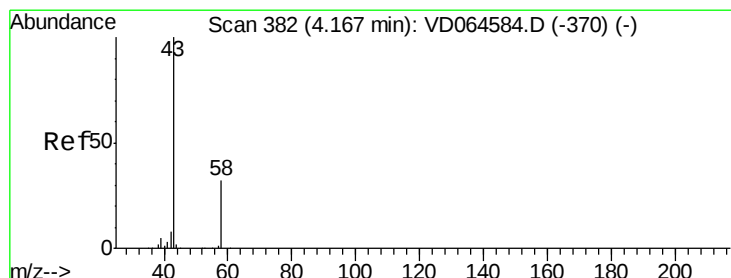
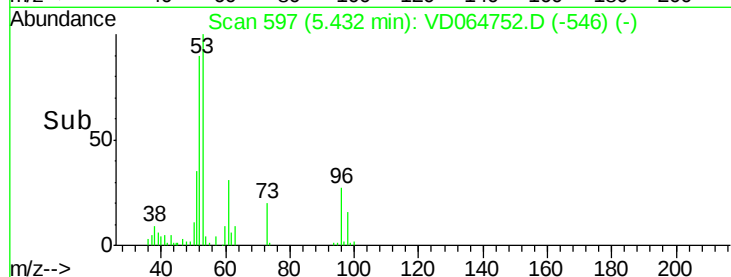
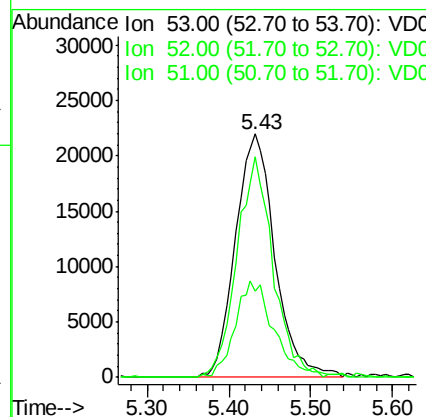
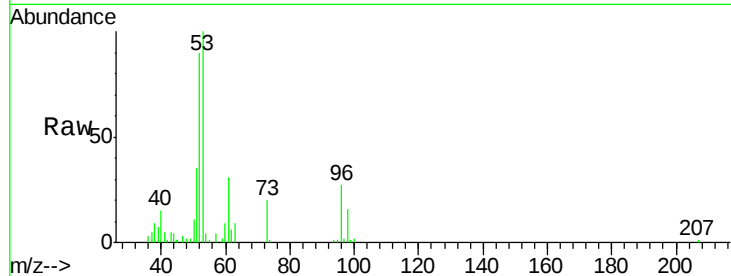
ClientSampleId :

VD0103SBSD02

Tgt Ion:	53	Resp:	73793
Ion Ratio	Lower	Upper	
53	100		
52	83.3	66.2	99.2
51	38.4	30.1	45.1

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#16

Acetone

Concen: 88.661 ug/l

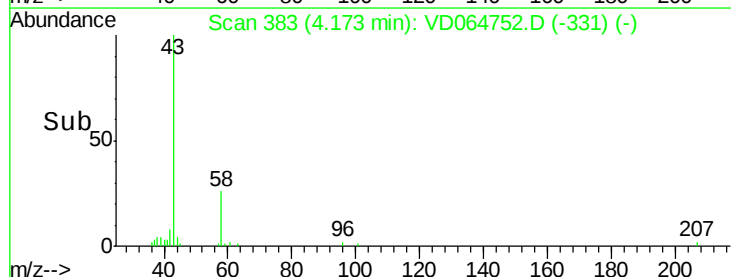
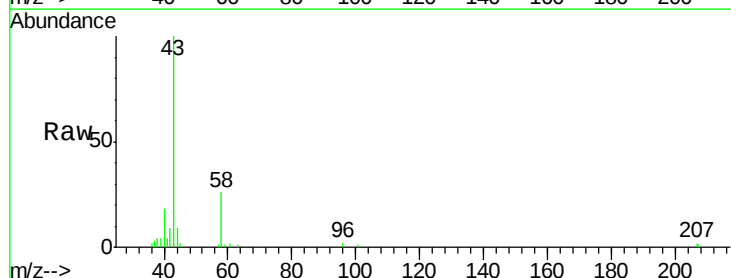
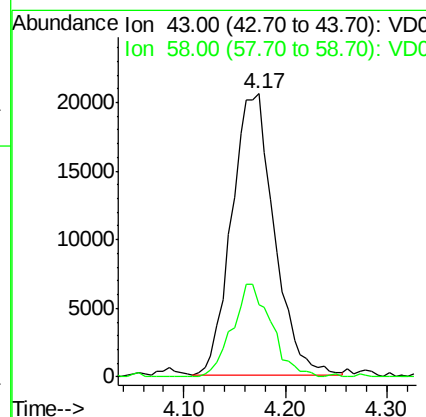
RT: 4.17 min Scan# 383

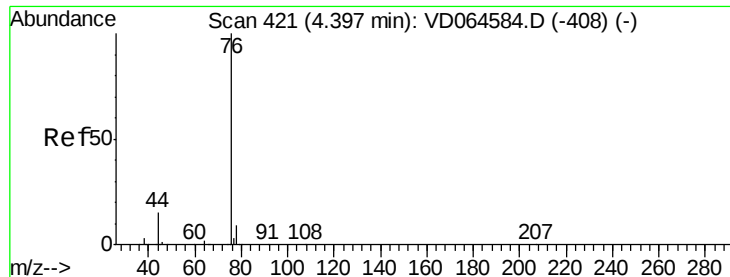
Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	43	Resp:	59450
Ion Ratio	Lower	Upper	
43	100		
58	25.7	25.8	38.6#





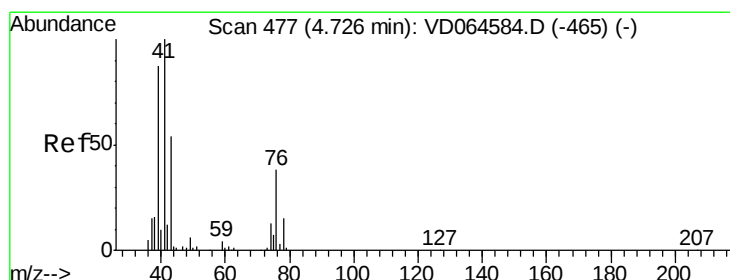
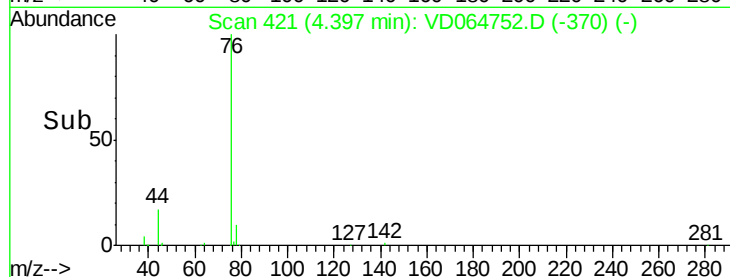
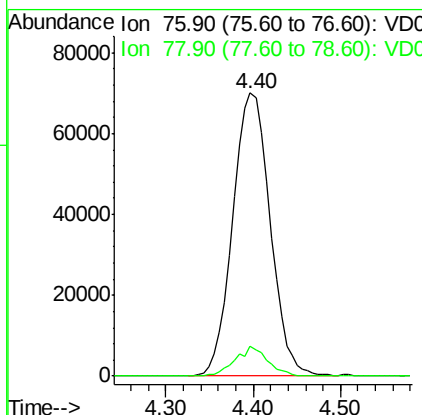
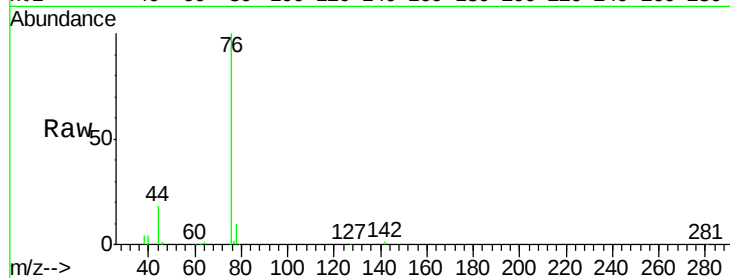
#17
Carbon Disulfide
Concen: 20.763 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.3	10.9

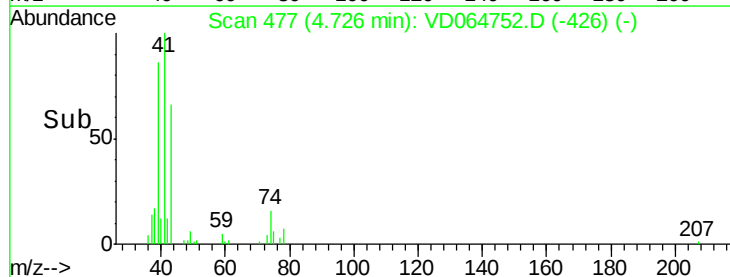
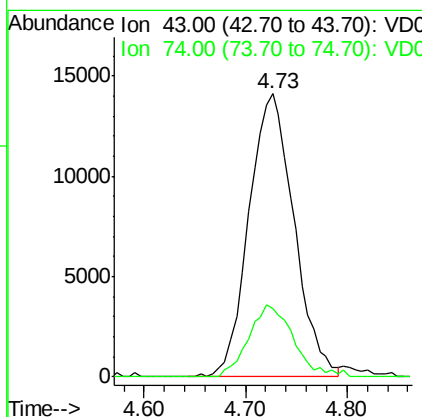
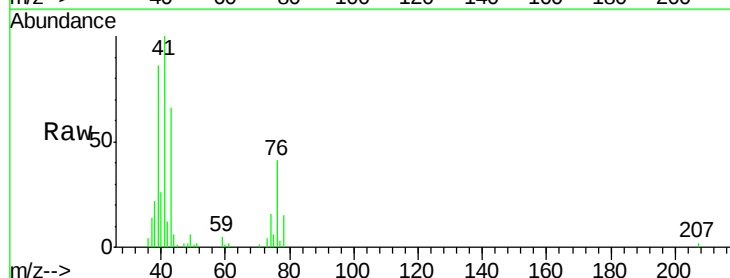
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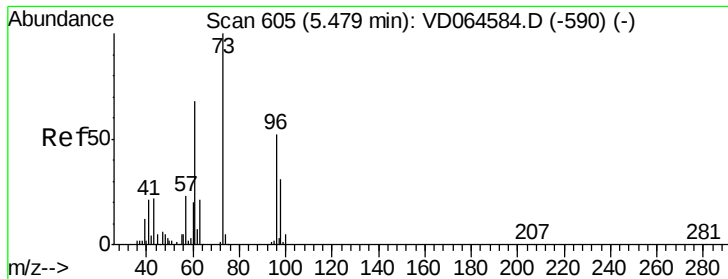
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#18
Methyl Acetate
Concen: 25.446 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	19.2	28.8





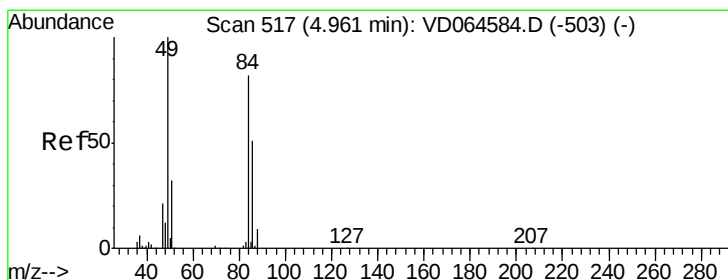
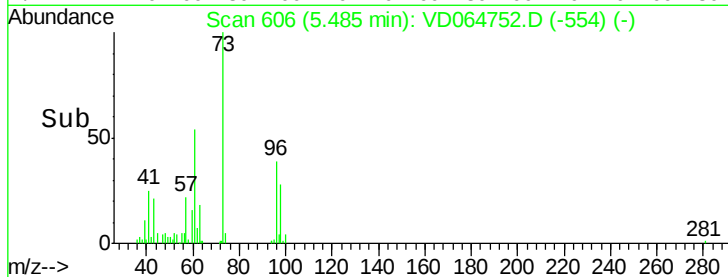
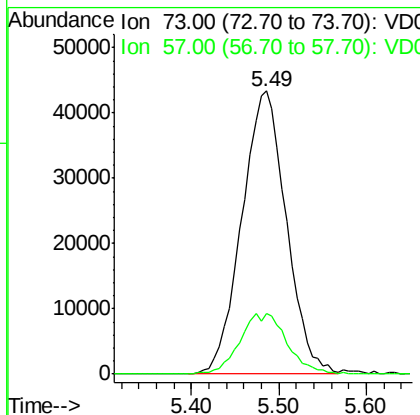
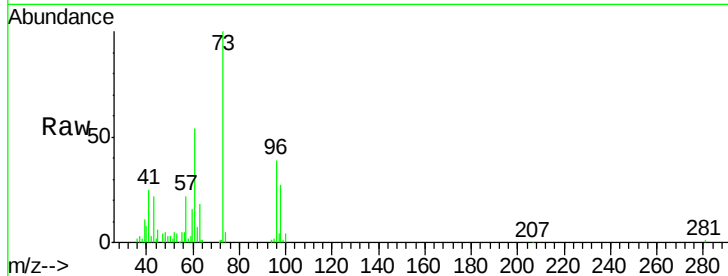
#19
Methyl tert-butyl Ether
Concen: 22.334 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleID :
VD0103SBSD02

Tgt Ion: 73 Resp: 150721
Ion Ratio Lower Upper
73 100
57 21.5 18.6 27.8

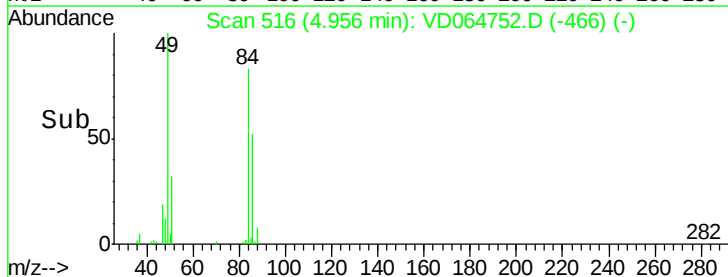
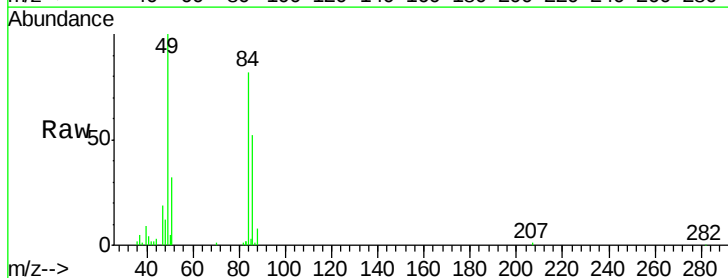
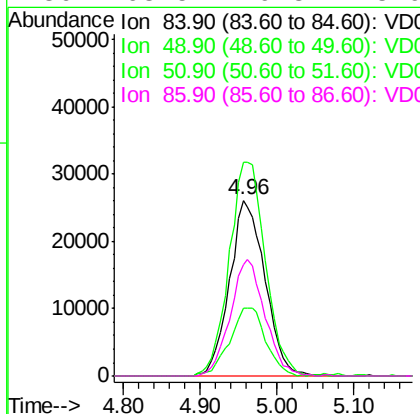
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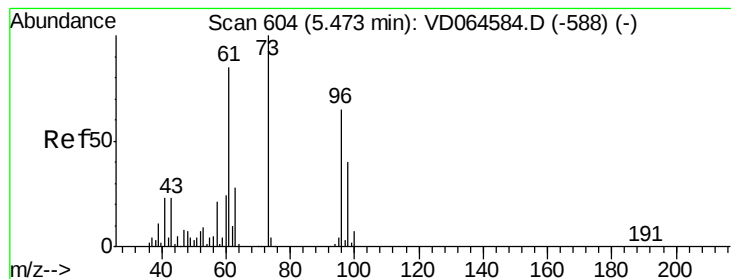
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#20
Methylene Chloride
Concen: 24.418 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 84 Resp: 83837
Ion Ratio Lower Upper
84 100
49 121.6 97.2 145.8
51 38.4 31.4 47.0
86 63.5 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.212 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

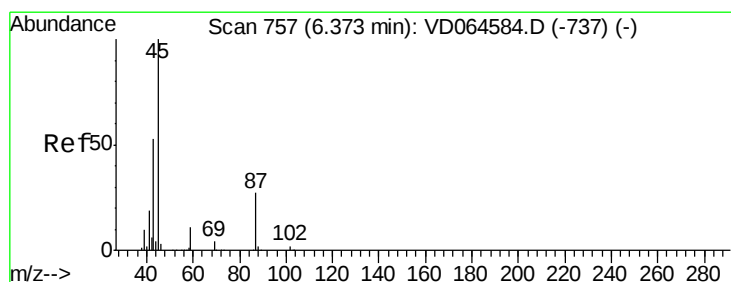
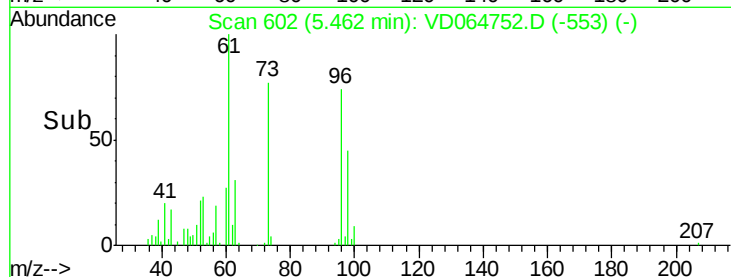
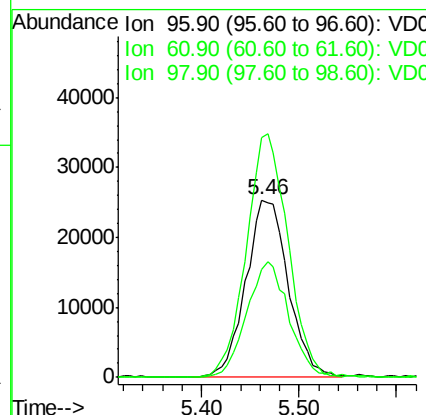
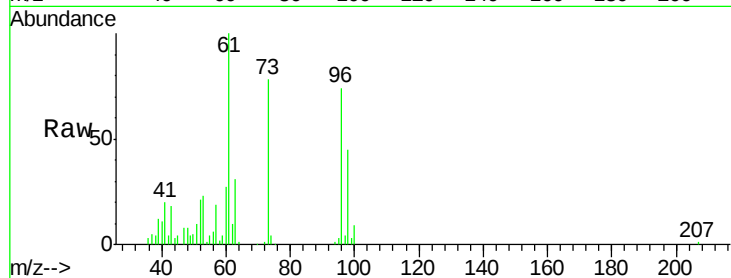
ClientSampleId :

VD0103SBSD02

Tgt Ion:	96	Resp:	76859
Ion	Ratio	Lower	Upper
96	100		
61	135.1	104.7	157.1
98	60.7	49.4	74.2

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#22

Diisopropyl ether

Concen: 23.260 ug/l

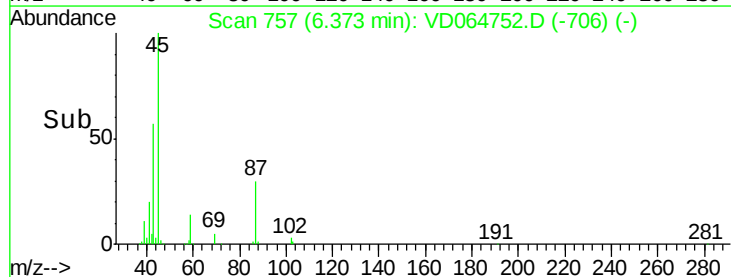
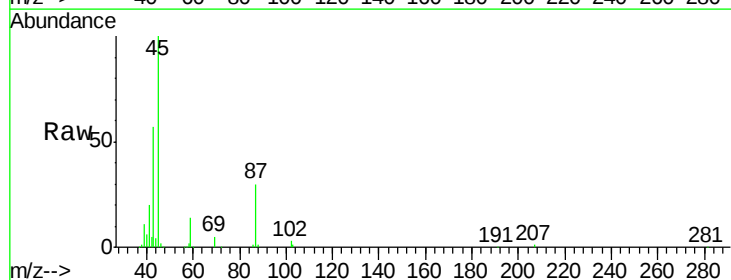
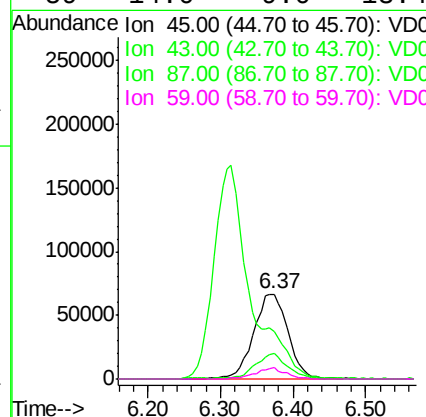
RT: 6.37 min Scan# 757

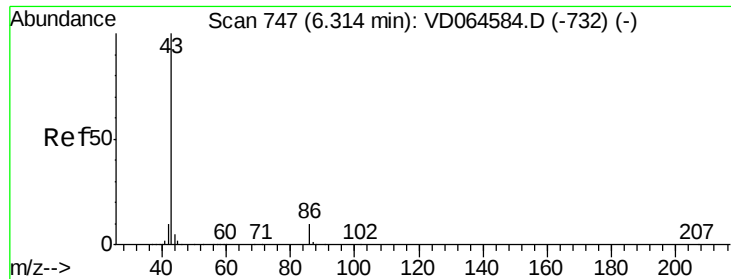
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	45	Resp:	219775
Ion	Ratio	Lower	Upper
45	100		
43	55.6	43.2	64.8
87	29.5	21.9	32.9
59	14.0	9.0	13.4#





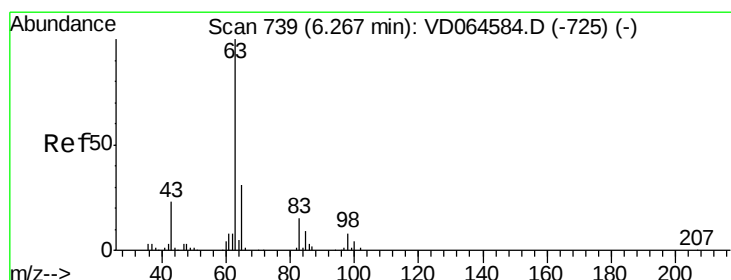
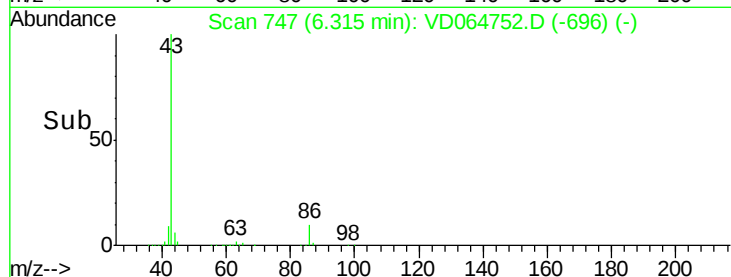
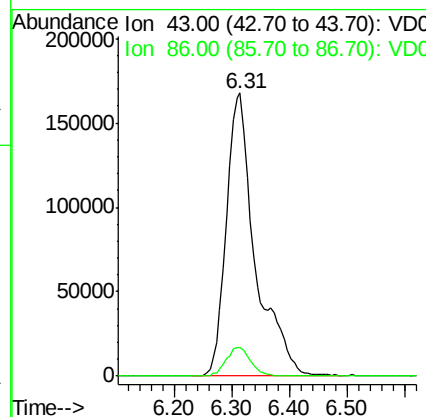
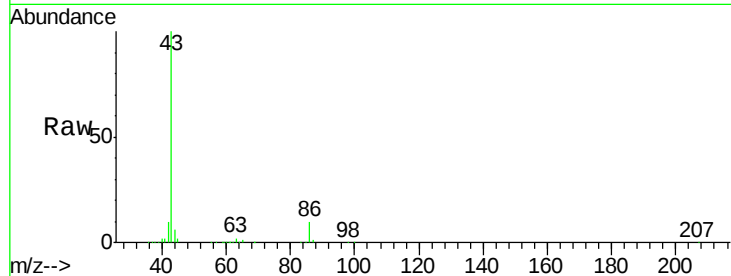
#23
 Vinyl Acetate
 Concen: 109.070 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.3	12.5

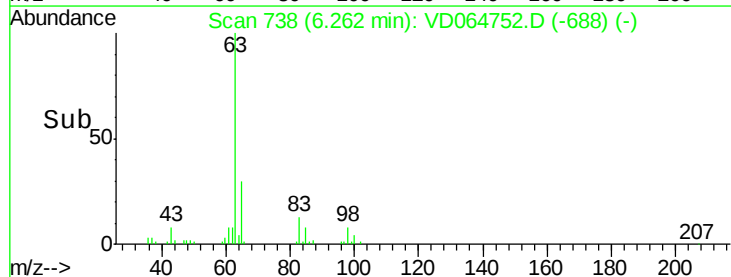
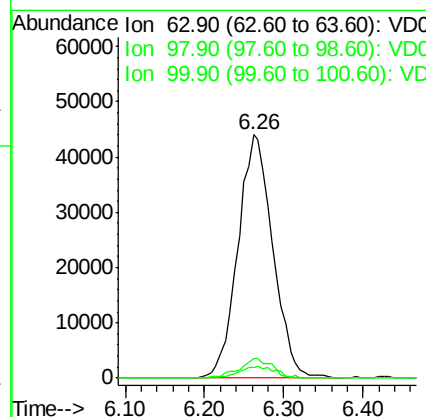
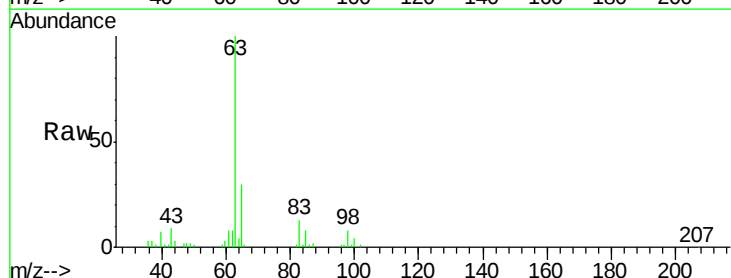
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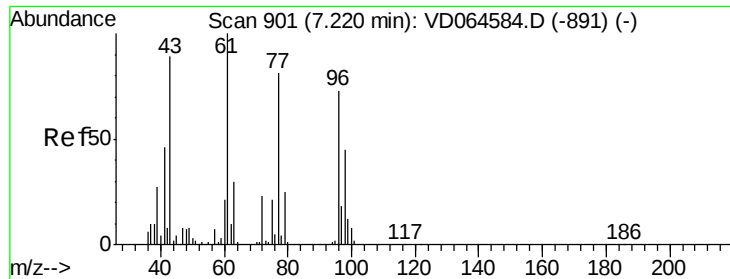
apatel
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#24
 1,1-Dichloroethane
 Concen: 23.660 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.1	4.1	12.3
100	4.3	2.2	6.6





#25

2-Butanone

Concen: 107.490 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 43 Resp: 89977

Ion Ratio Lower Upper

43 100

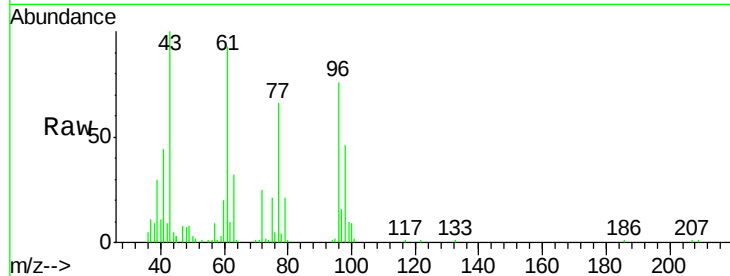
72 24.8 20.7 31.1

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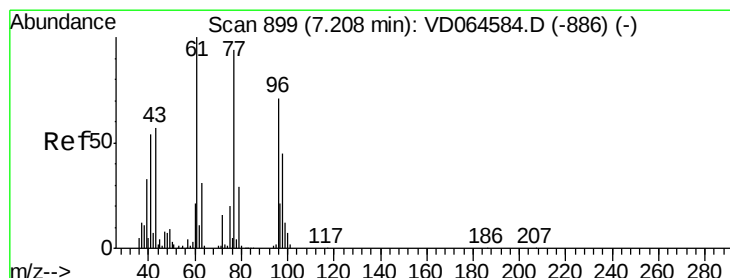
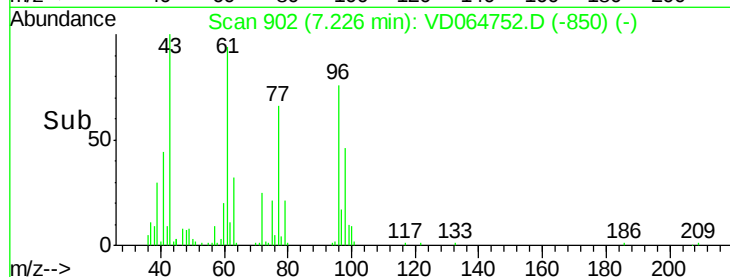
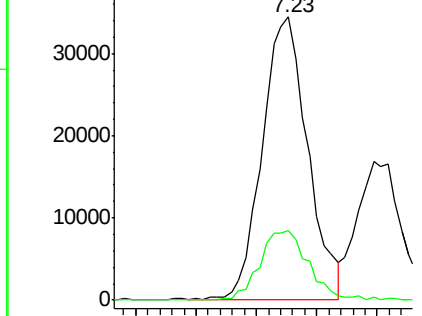
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.808 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064752.D

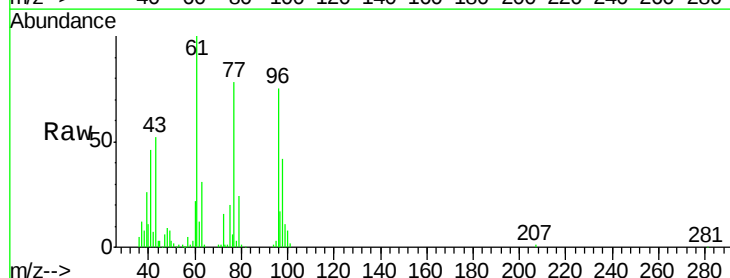
Acq: 04 Jan 2020 01:06

Tgt Ion: 77 Resp: 104465

Ion Ratio Lower Upper

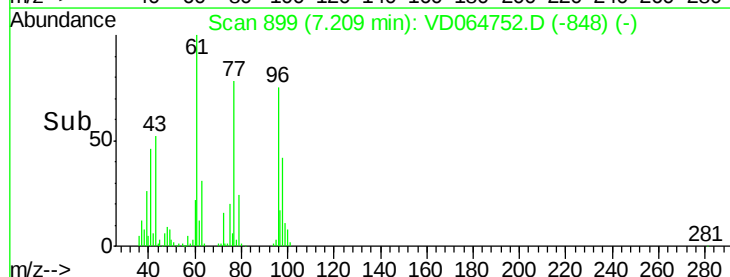
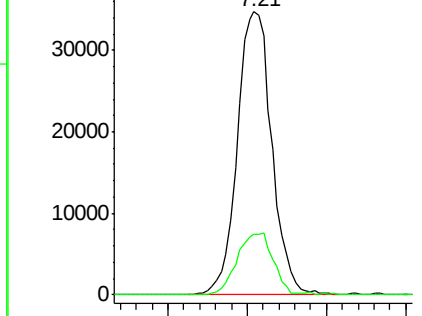
77 100

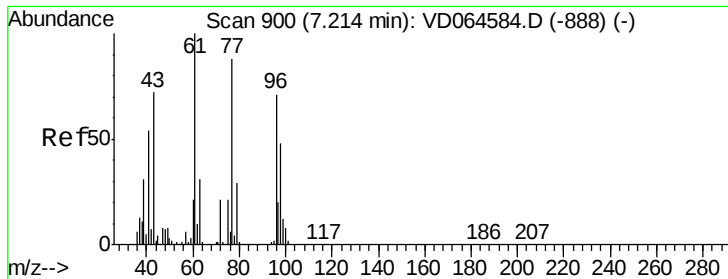
97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

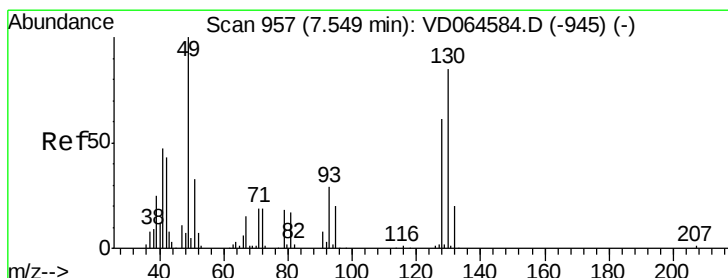
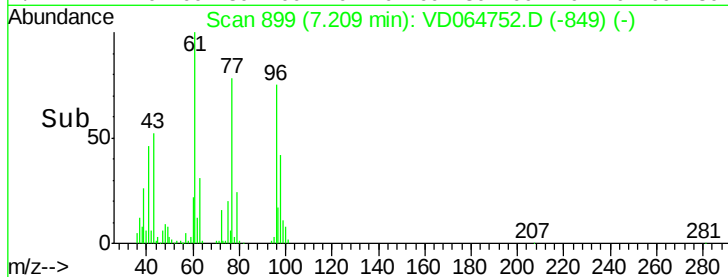
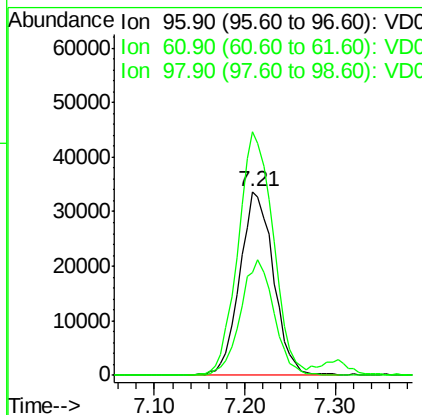
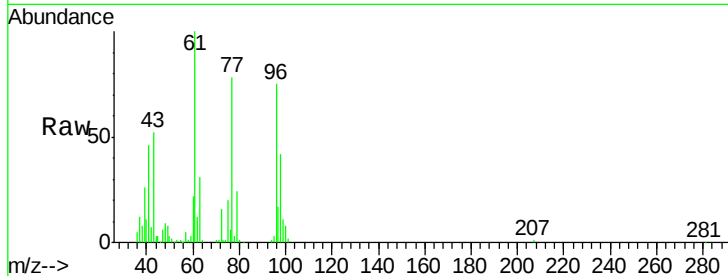
cis-1,2-Dichloroethene
 Concen: 23.365 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	282.6
98	62.1	0.0	130.8

Manual Integrations
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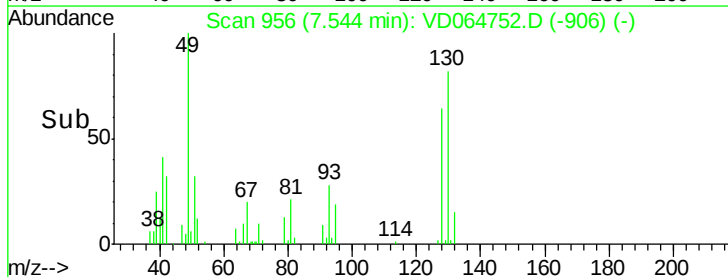
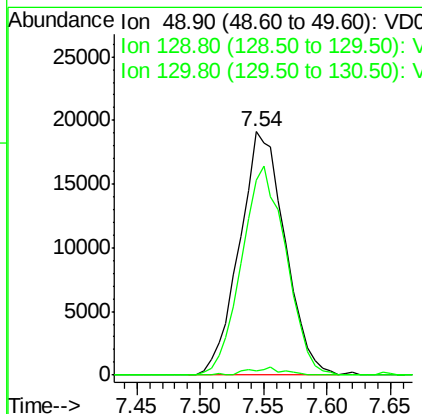
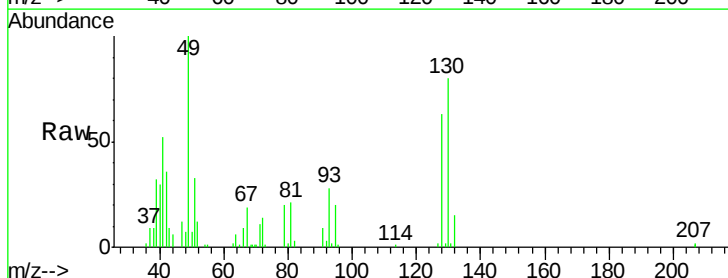
apatel
 1/6/2020 10:50:07 AM

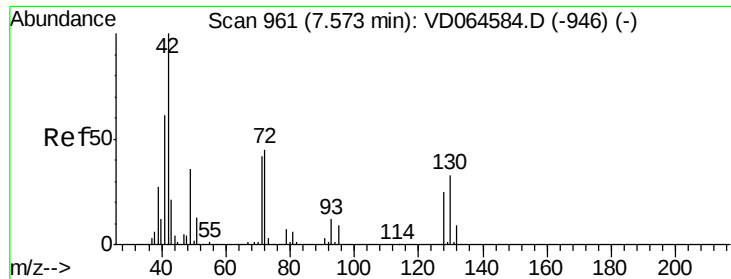


#28

Bromochloromethane
 Concen: 21.708 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.8
130	83.6	65.0	97.6





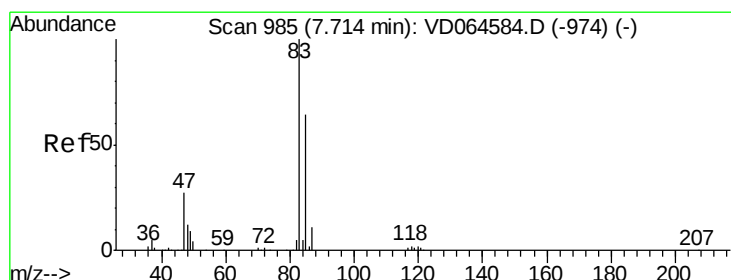
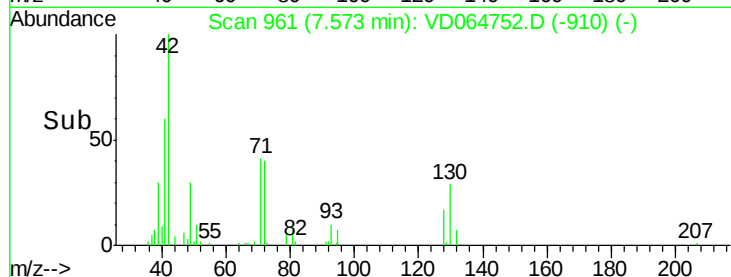
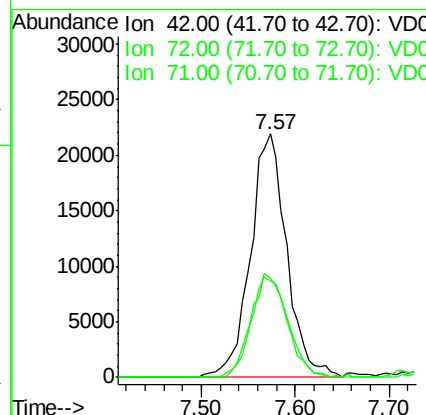
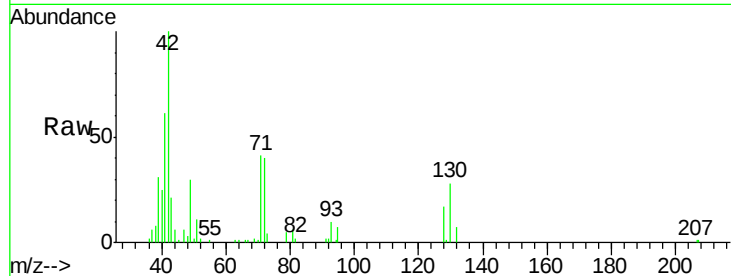
#29
Tetrahydrofuran
Concen: 112.611 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	35.0	52.4
71	41.8	32.9	49.3

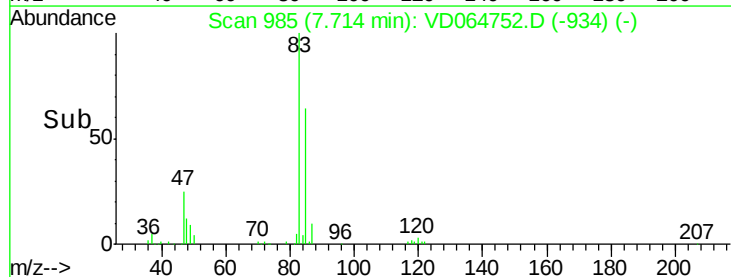
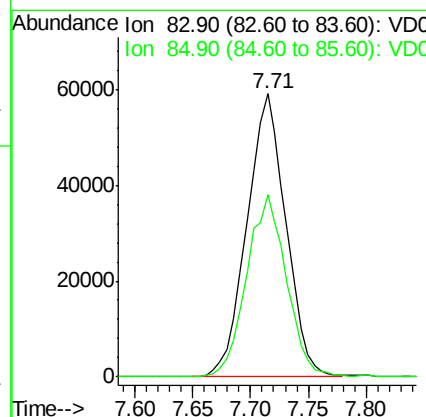
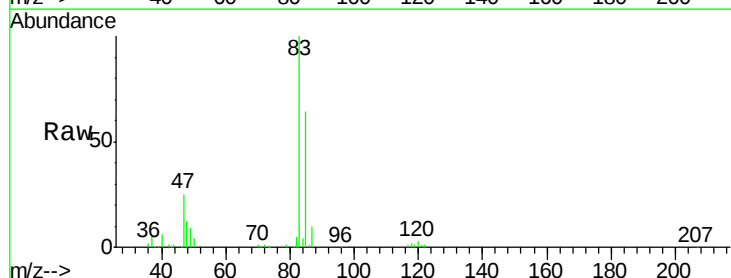
Manual Integrations
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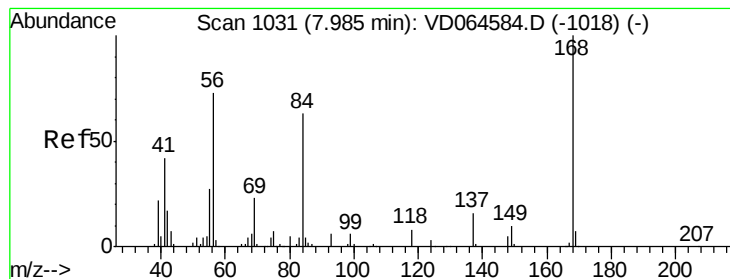
apatel
1/6/2020 10:50:07 AM



#30
Chloroform
Concen: 23.276 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





#31

Cyclohexane

Concen: 19.679 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 56 Resp: 111738
Ion Ratio Lower Upper

56 100

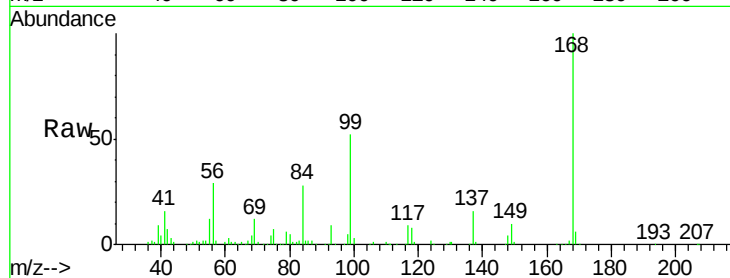
69 41.1 24.7 37.1#

84 93.8 69.4 104.2

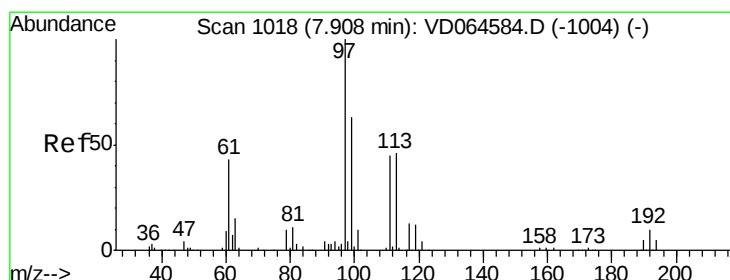
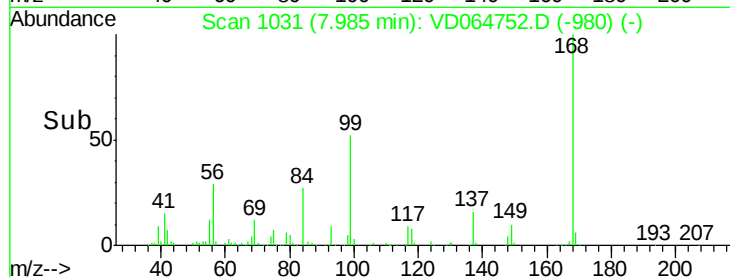
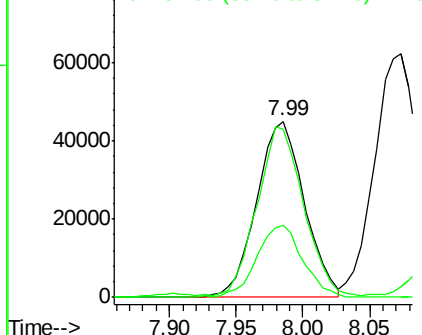
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 22.559 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064752.D

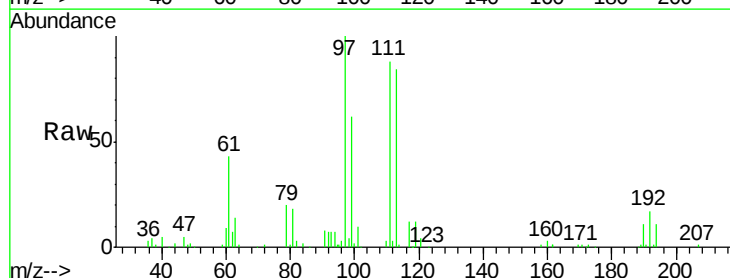
Acq: 04 Jan 2020 01:06

Tgt Ion: 97 Resp: 126103
Ion Ratio Lower Upper

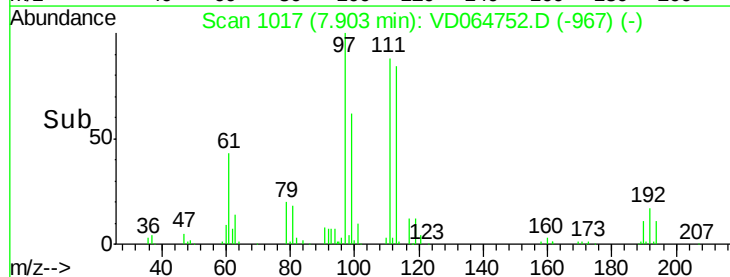
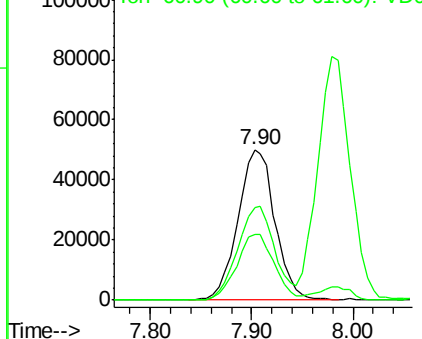
97 100

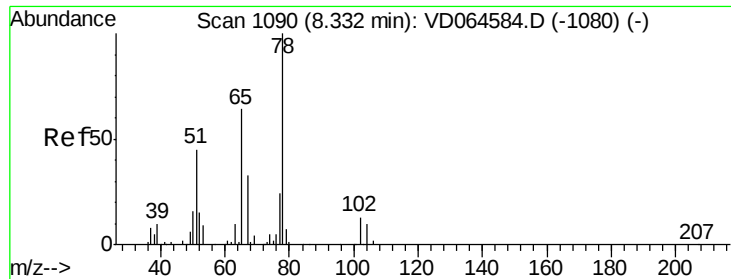
99 63.3 51.0 76.6

61 44.7 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 56.279 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 65 Resp: 171384

Ion Ratio Lower Upper

65 100

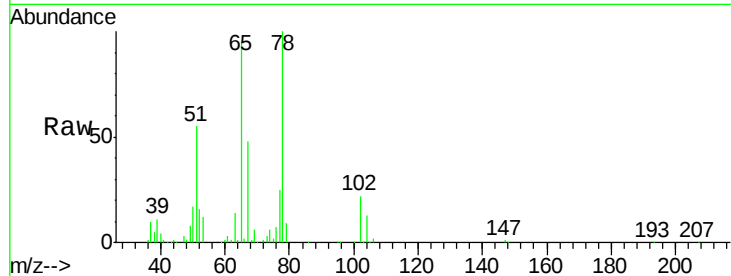
67 52.4 0.0 106.2

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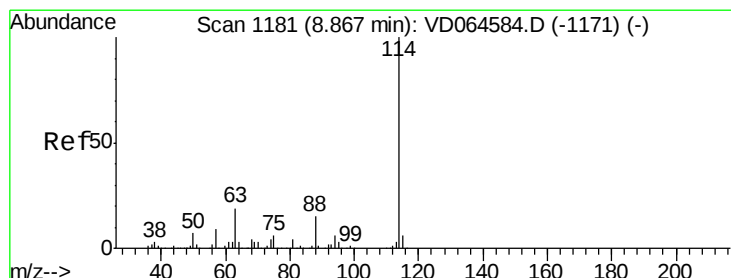
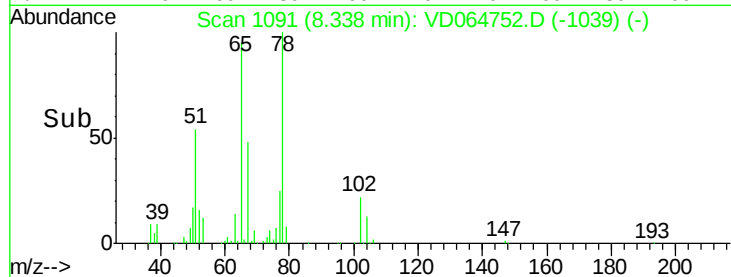
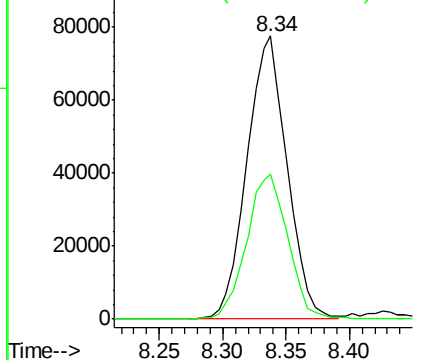
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

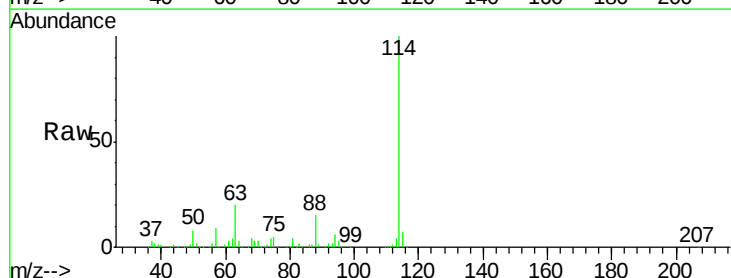
Tgt Ion: 114 Resp: 533487

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.0

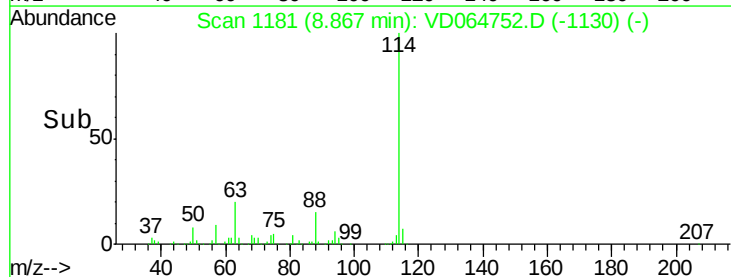
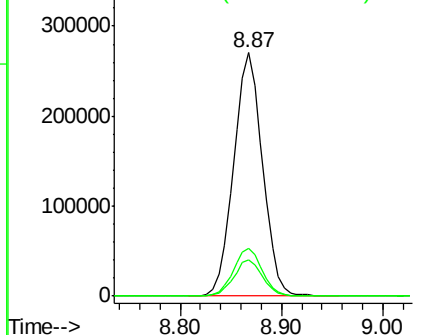
88 14.9 0.0 29.2

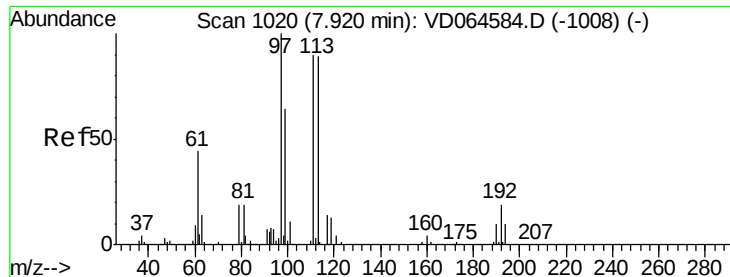


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





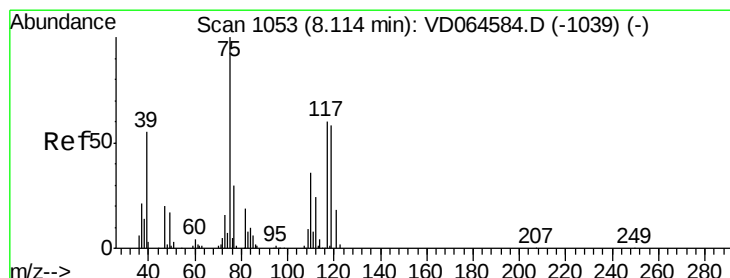
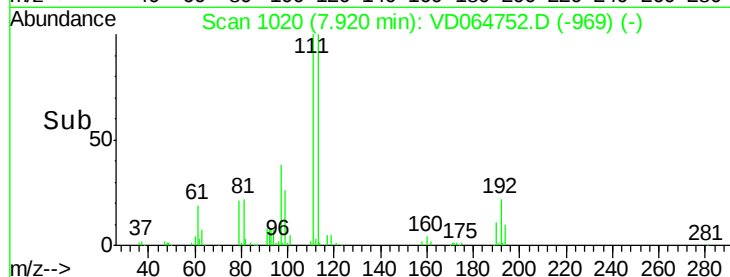
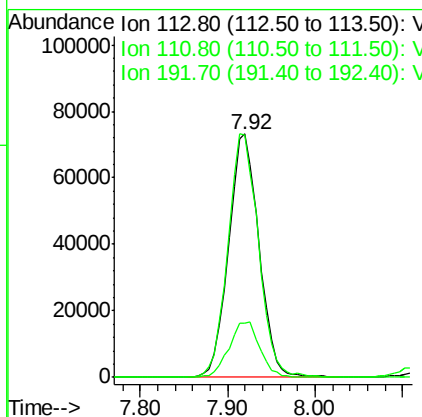
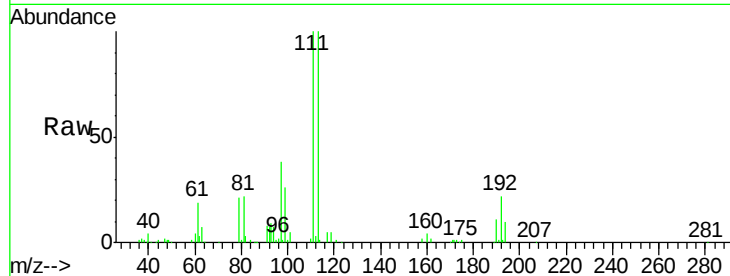
#35
 Dibromofluoromethane
 Concen: 52.569 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	172060		
111	101.1	80.6	121.0	
192	23.2	17.9	26.9	

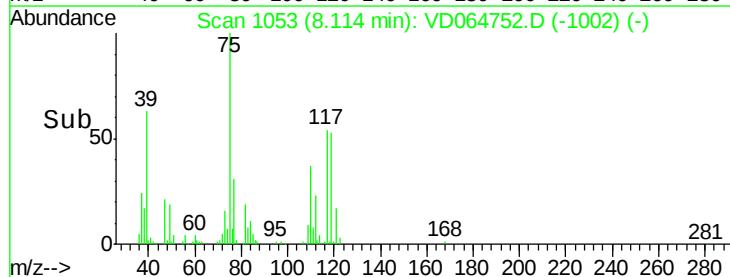
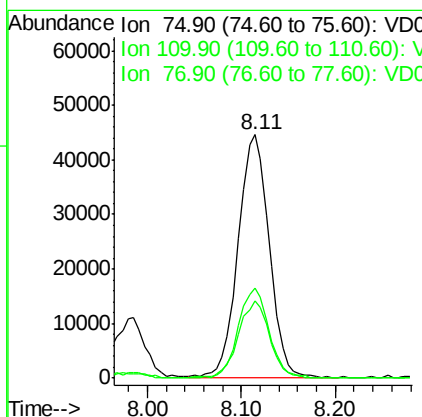
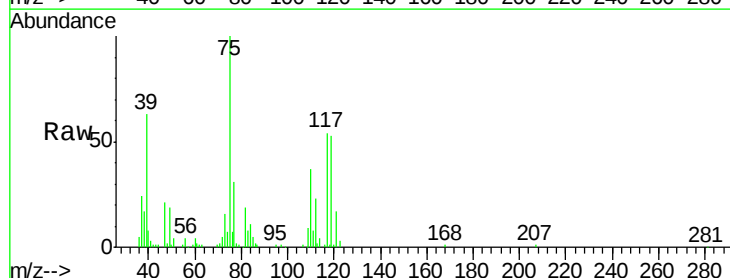
Manual Integrations
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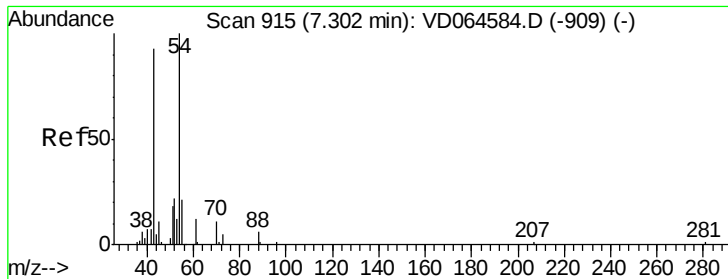
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.084 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	103126		
110	36.4	18.1	54.1	
77	31.7	24.2	36.4	





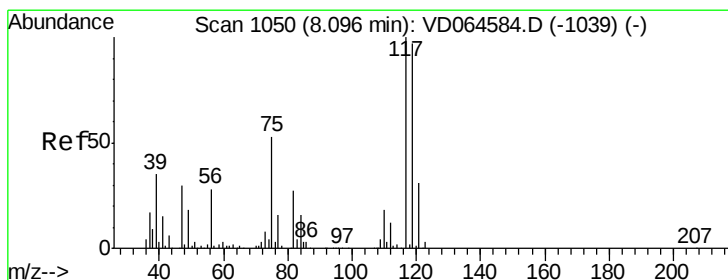
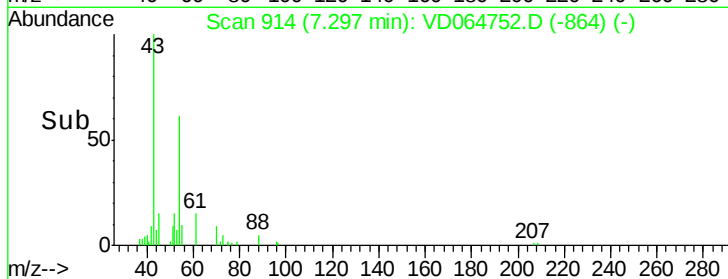
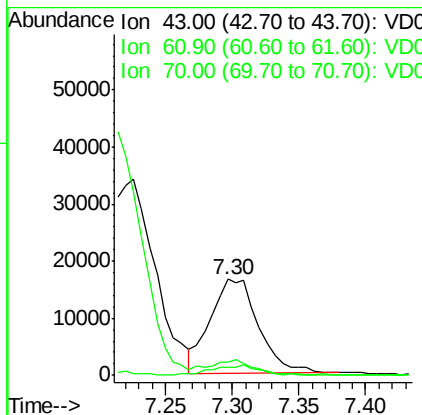
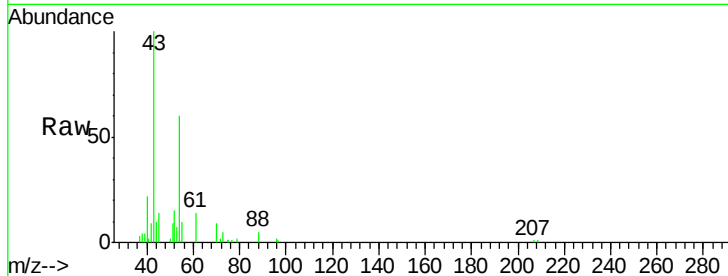
#37
Ethyl Acetate
Concen: 20.843 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.3	15.5
70	11.1	7.6	11.4

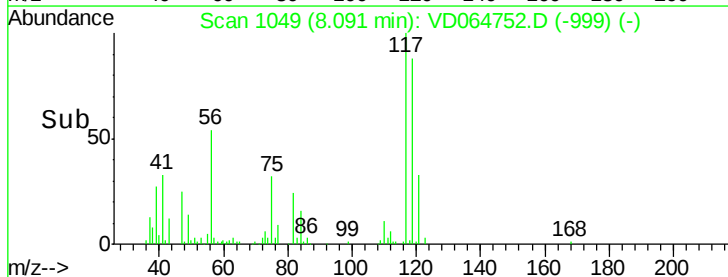
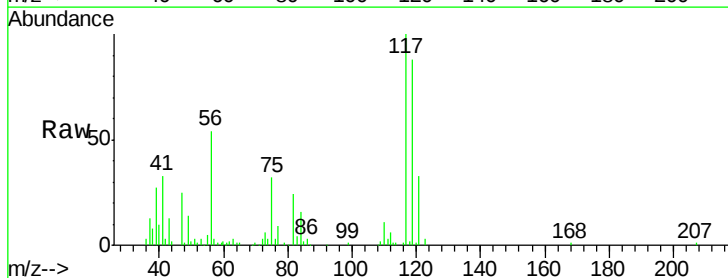
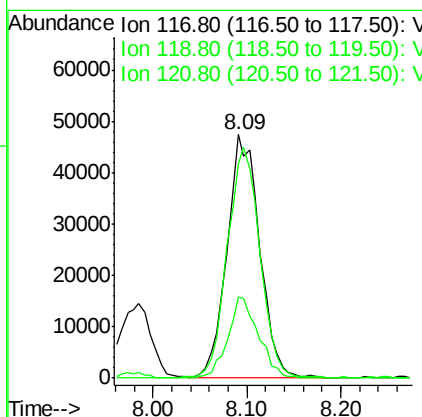
Manual Integrations
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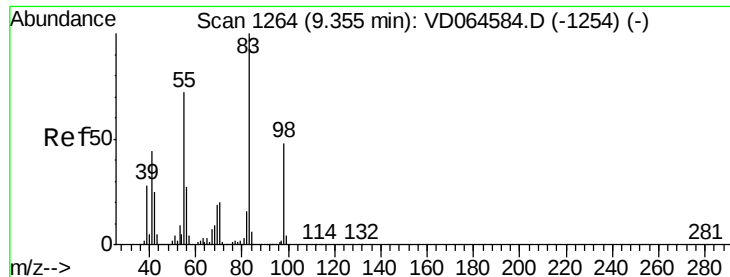
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#38
Carbon Tetrachloride
Concen: 20.901 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.0	77.3	115.9
121	33.2	25.0	37.6





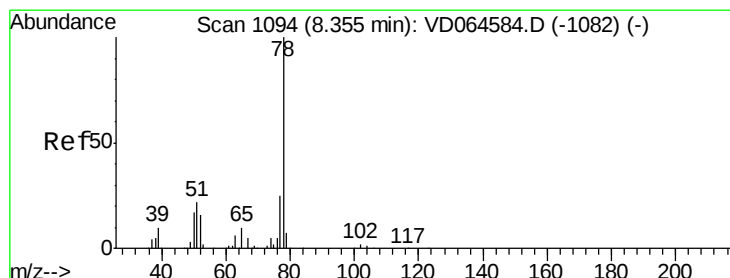
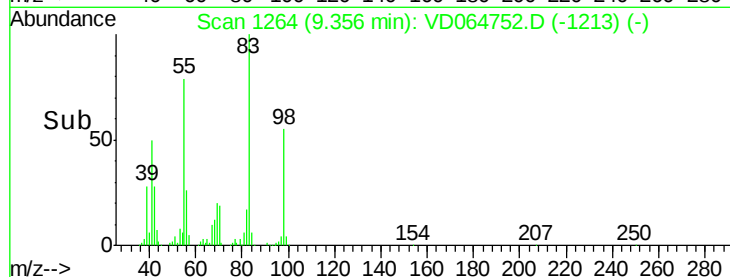
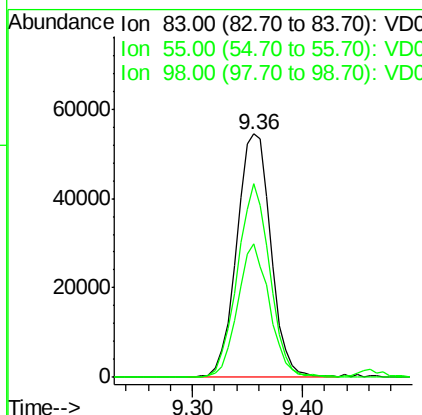
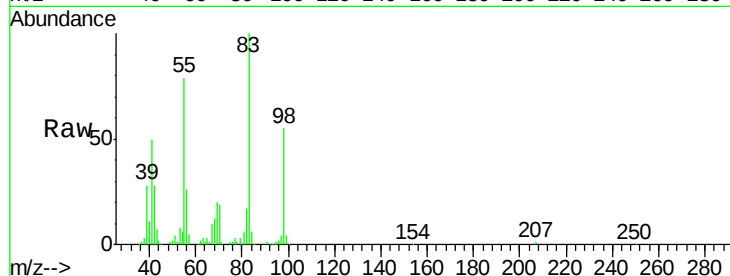
#39
Methylcyclohexane
Concen: 19.038 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.3	57.8	86.6
98	54.9	38.7	58.1

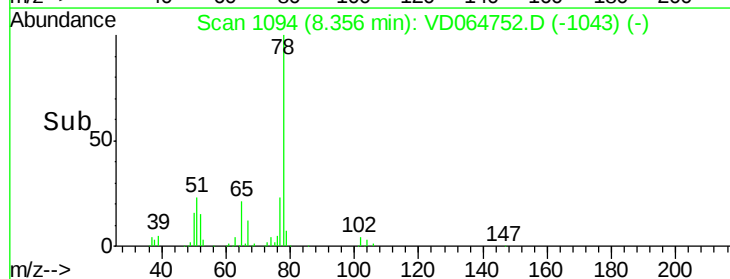
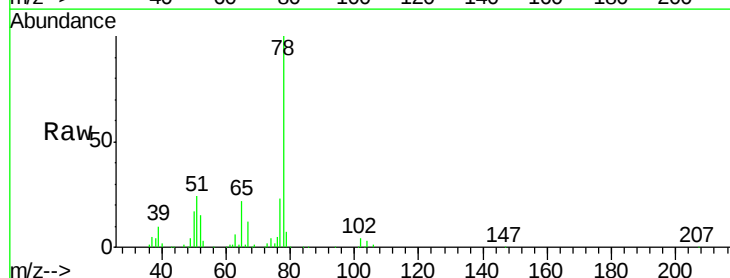
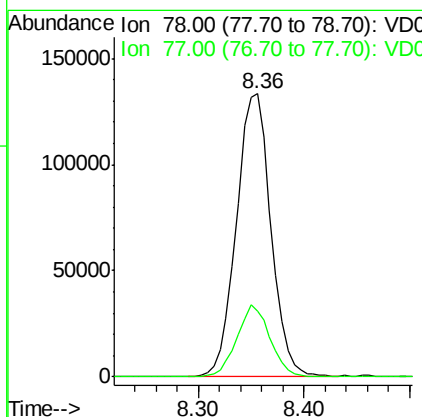
Manual Integrations
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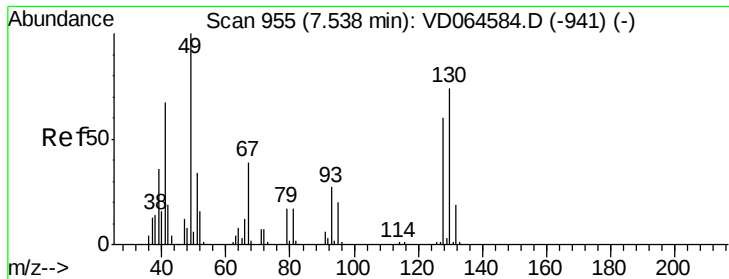
apatel
1/6/2020 10:50:07 AM



#40
Benzene
Concen: 21.603 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.9	29.9





#41

Methacrylonitrile

Concen: 17.536 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

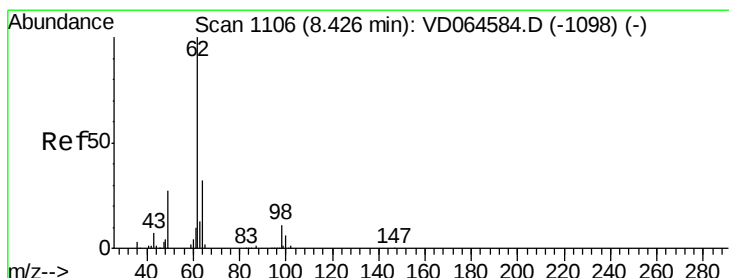
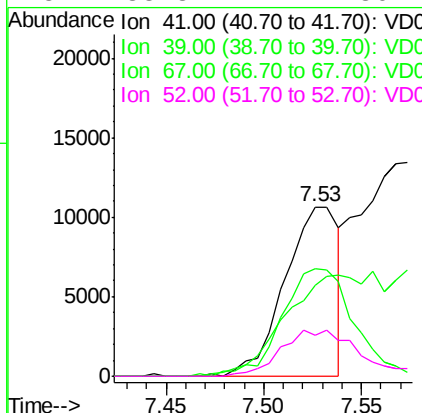
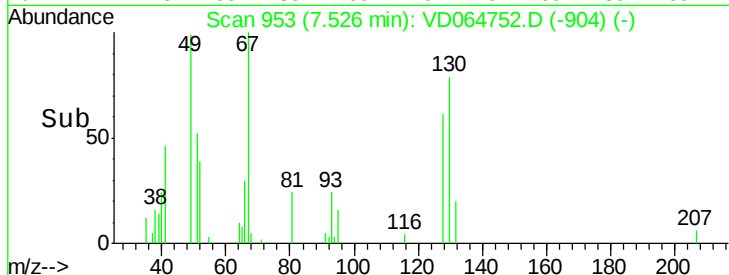
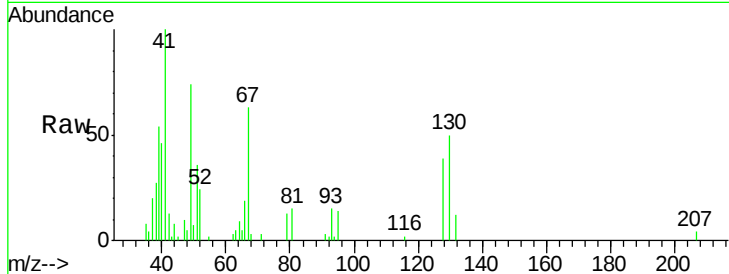
ClientSampleId :

VD0103SBSD02

Tgt Ion:	41	Resp:	20524
Ion Ratio	Lower	Upper	
41	100		
39	82.7	46.7	70.1#
67	84.6	52.5	78.7#
52	38.3	24.1	36.1#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 22.809 ug/l

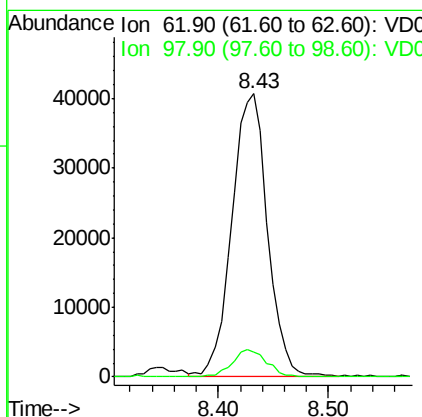
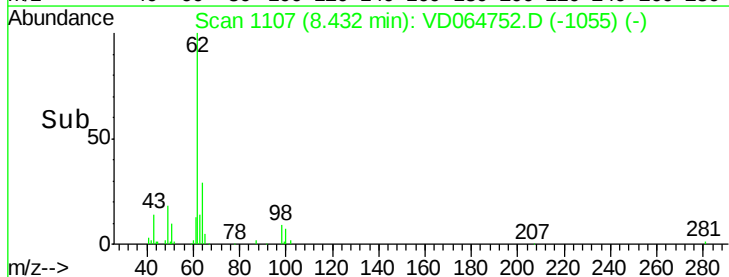
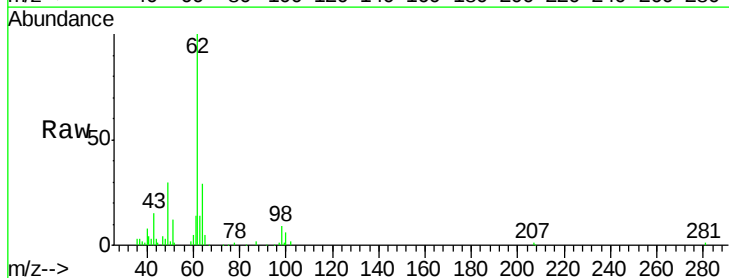
RT: 8.43 min Scan# 1107

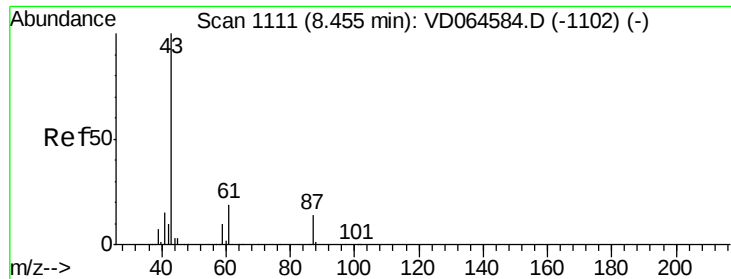
Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	62	Resp:	92393
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.821 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

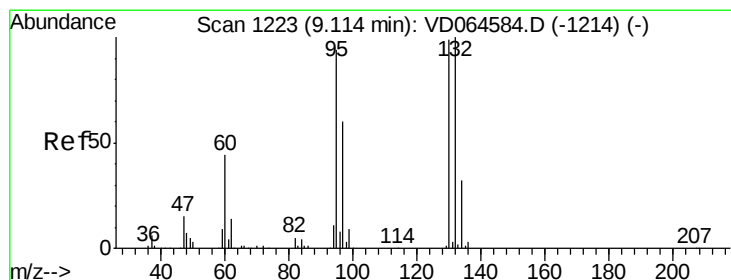
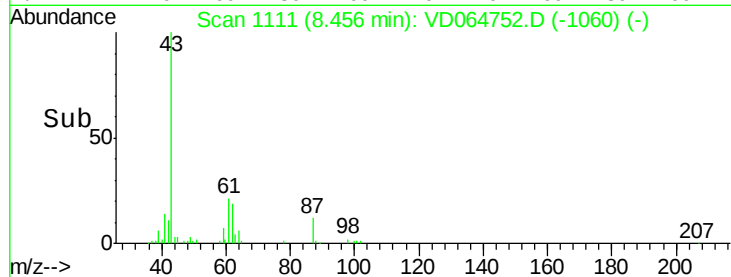
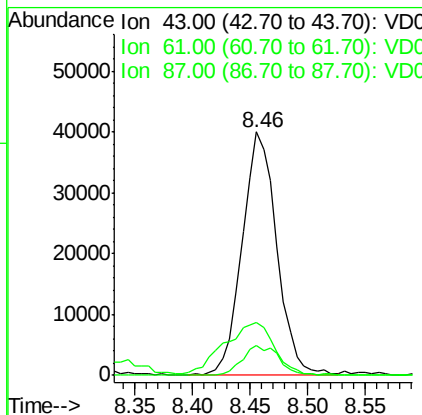
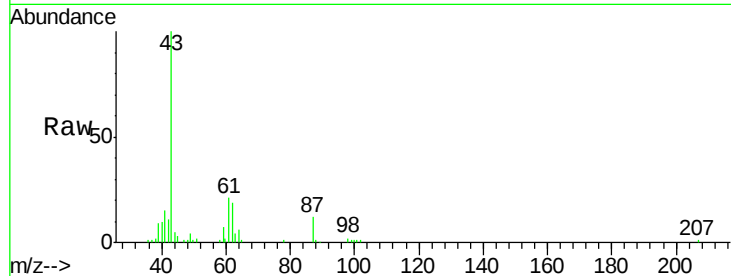
ClientSampleId :

VD0103SBSD02

Tgt Ion:	43	Resp:	83599
Ion Ratio	Lower	Upper	
43	100		
61	31.4	23.7	35.5
87	13.0	10.5	15.7

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#44

Trichloroethene

Concen: 20.489 ug/l

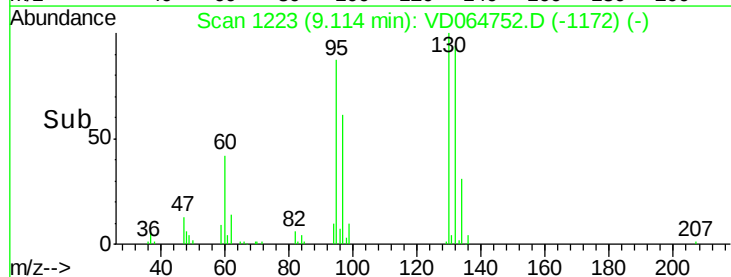
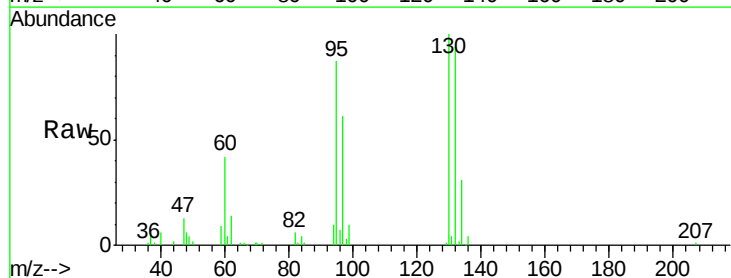
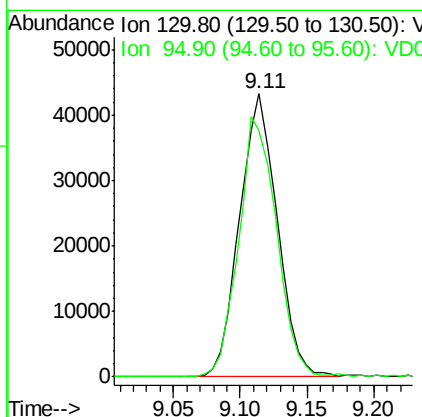
RT: 9.11 min Scan# 1223

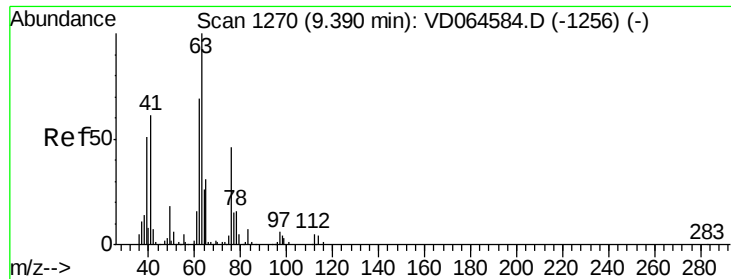
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	130	Resp:	84371
Ion Ratio	Lower	Upper	
130	100		
95	87.0	0.0	190.2





#45

1,2-Dichloropropane

Concen: 22.030 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 63 Resp: 73731

Ion Ratio Lower Upper

63 100

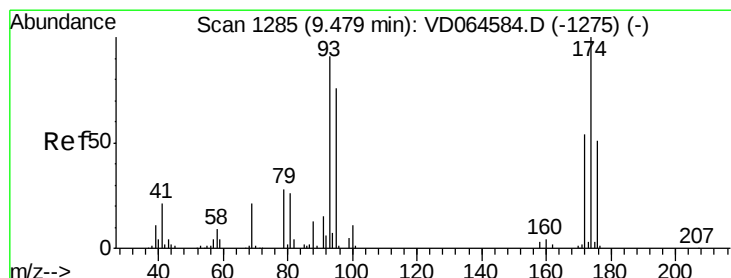
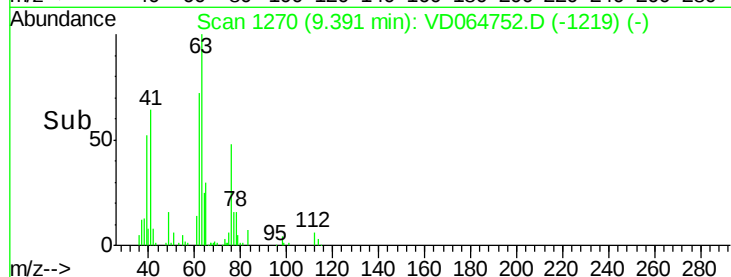
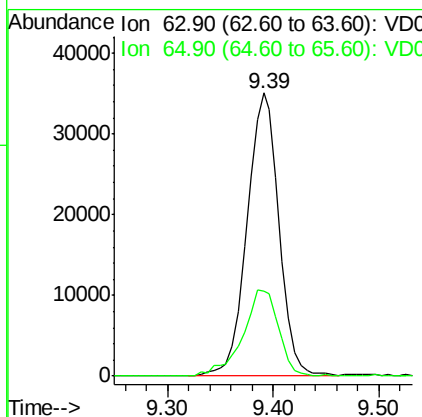
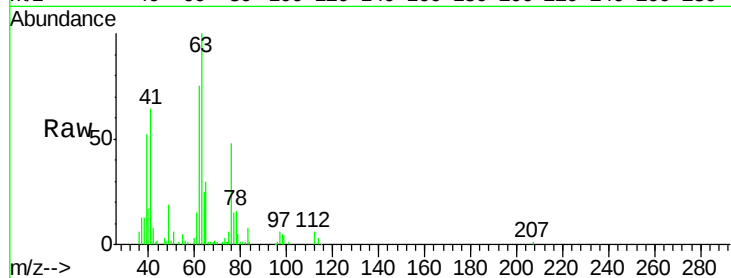
65 30.2 25.2 37.8

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#46

Dibromomethane

Concen: 21.464 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

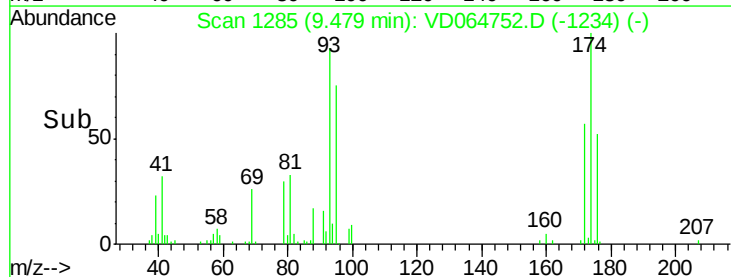
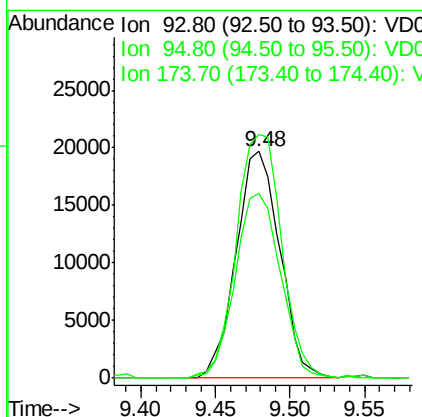
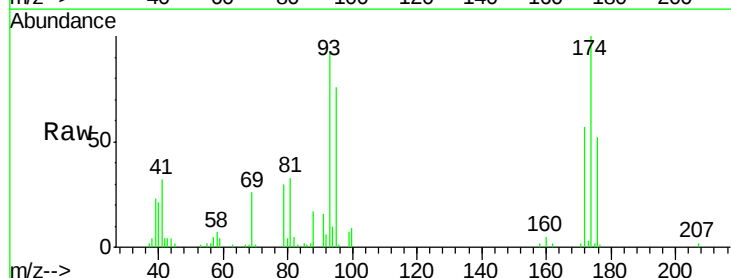
Tgt Ion: 93 Resp: 40051

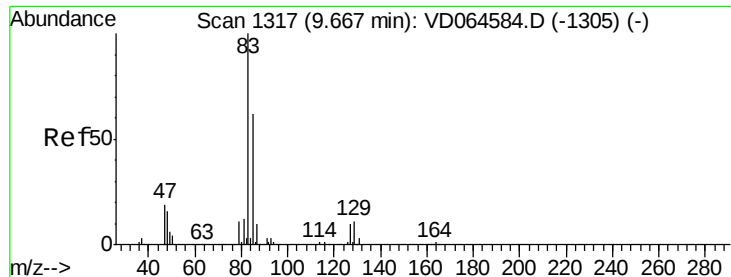
Ion Ratio Lower Upper

93 100

95 83.8 64.6 97.0

174 111.6 88.1 132.1





#47

Bromodichloromethane

Concen: 22.114 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

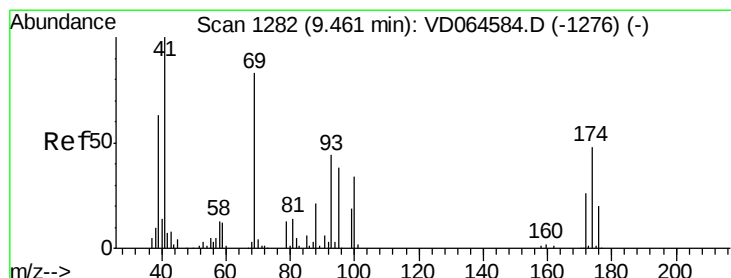
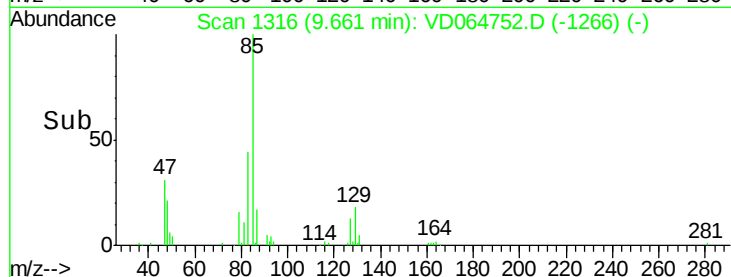
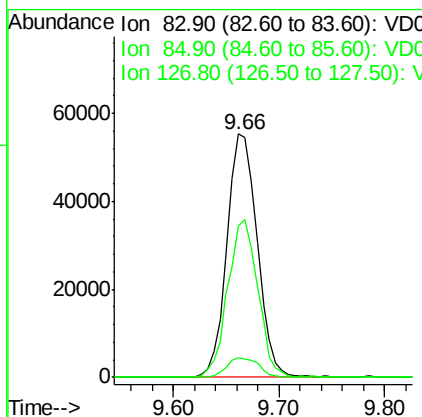
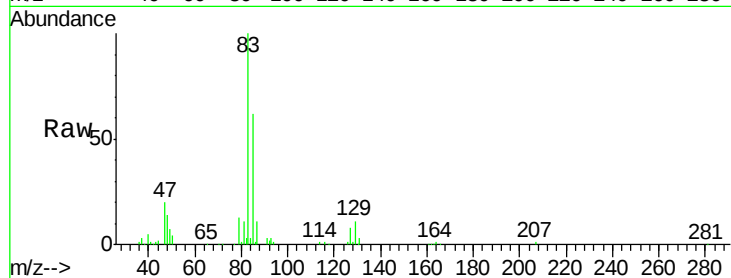
ClientSampleId :

VD0103SBSD02

Tgt Ion:	83	Resp:	109802
Ion	Ratio	Lower	Upper
83	100		
85	62.2	49.5	74.3
127	8.3	7.8	11.6

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#48

Methyl methacrylate

Concen: 21.059 ug/l

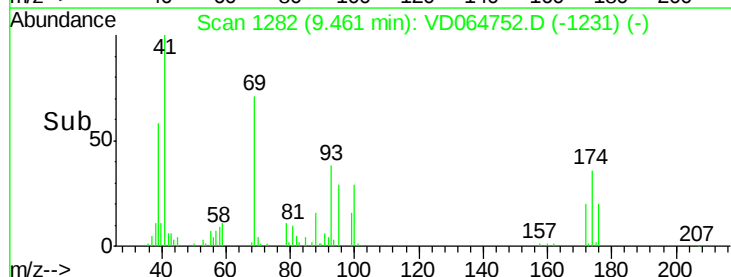
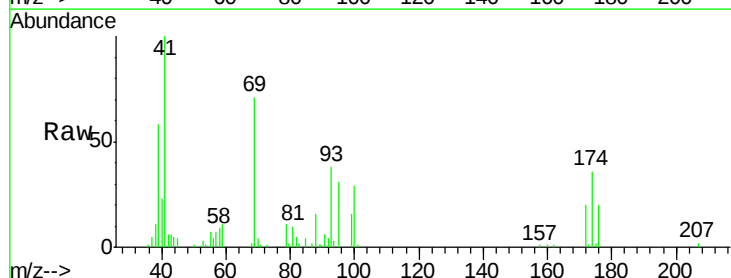
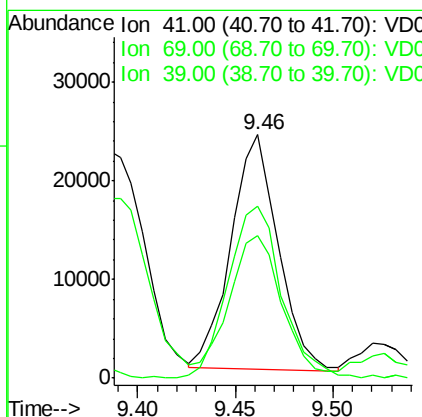
RT: 9.46 min Scan# 1282

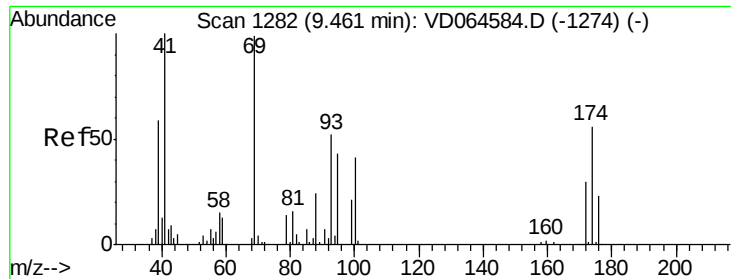
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	41	Resp:	39813
Ion	Ratio	Lower	Upper
41	100		
69	83.7	63.0	94.6
39	61.7	47.4	71.2





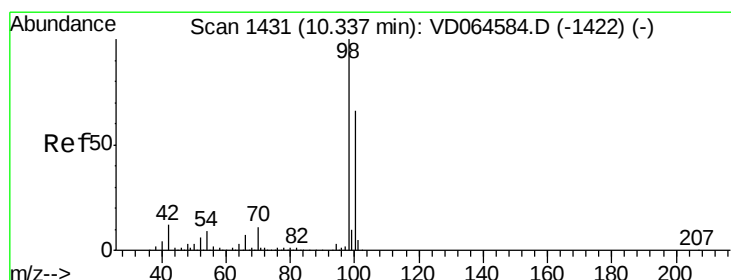
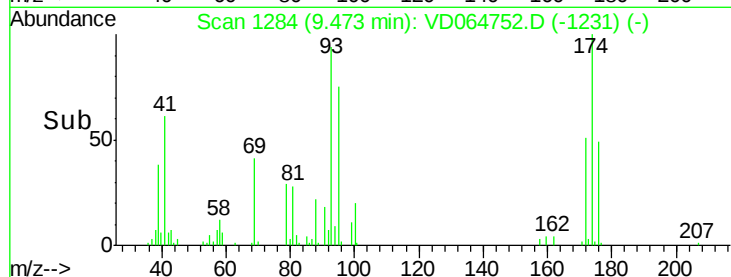
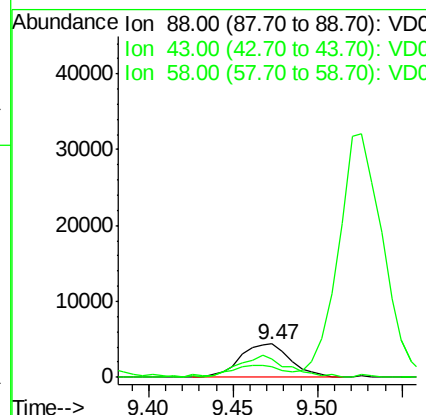
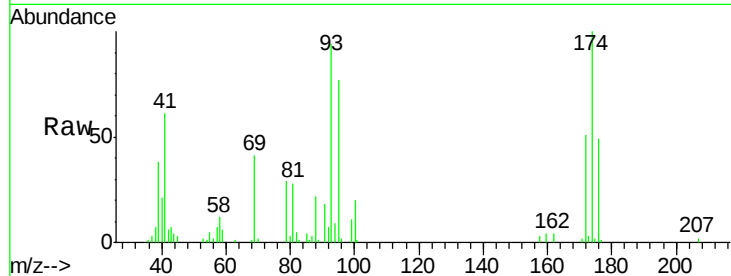
#49
1,4-Dioxane
Concen: 427.309 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion: 88 Resp: 9194
Ion Ratio Lower Upper
88 100
43 38.3 27.7 41.5
58 65.2 53.8 80.6

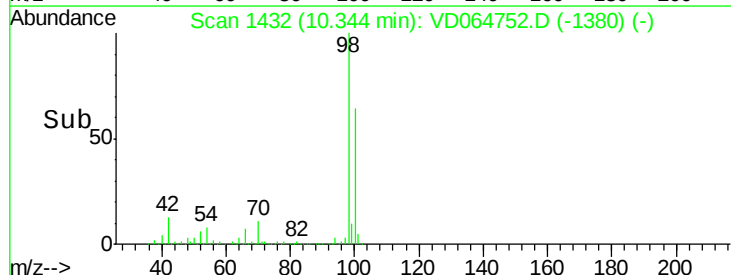
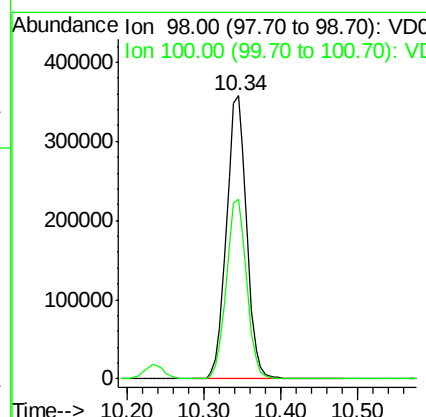
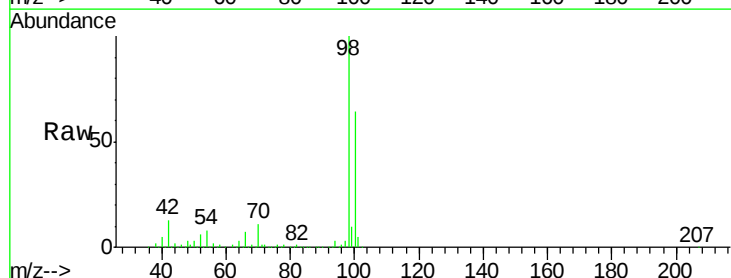
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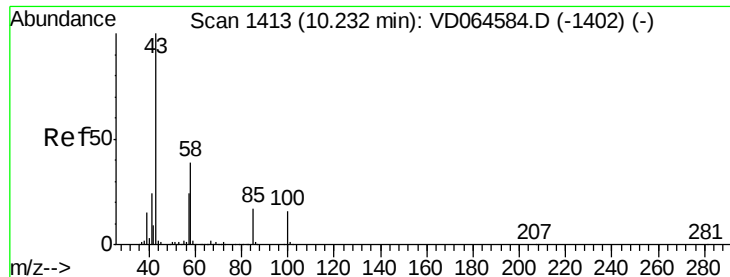
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#50
Toluene-d8
Concen: 51.918 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 98 Resp: 650809
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 106.844 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 43 Resp: 212040

Ion Ratio Lower Upper

43 100

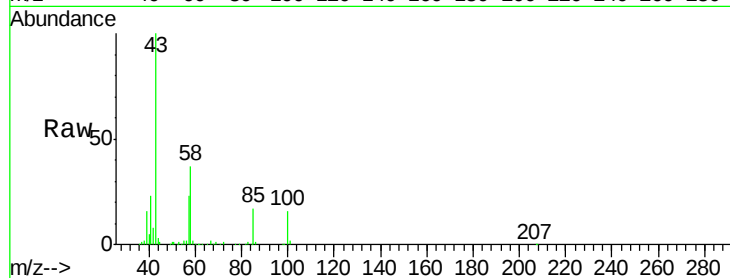
58 37.1 30.2 45.2

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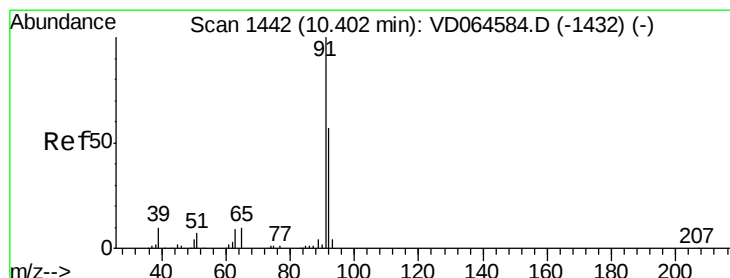
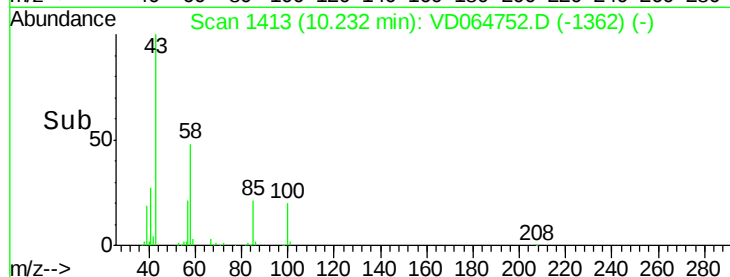
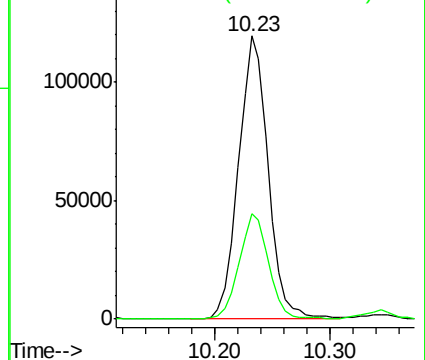
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.107 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064752.D

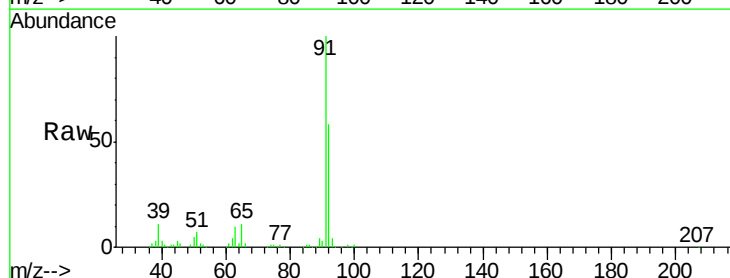
Acq: 04 Jan 2020 01:06

Tgt Ion: 92 Resp: 194115

Ion Ratio Lower Upper

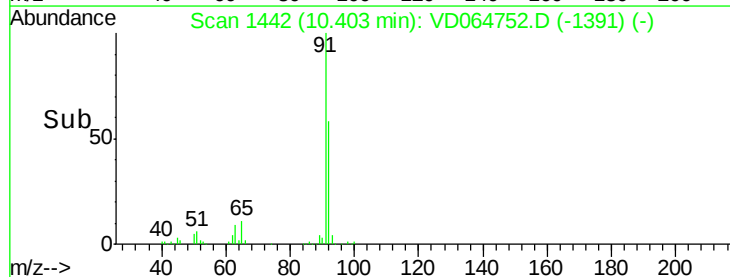
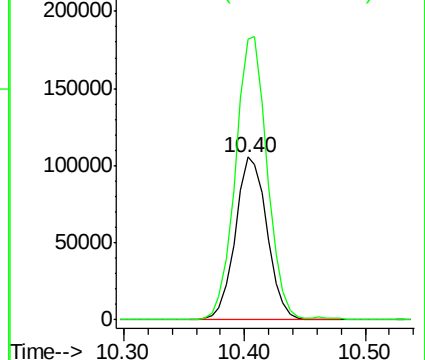
92 100

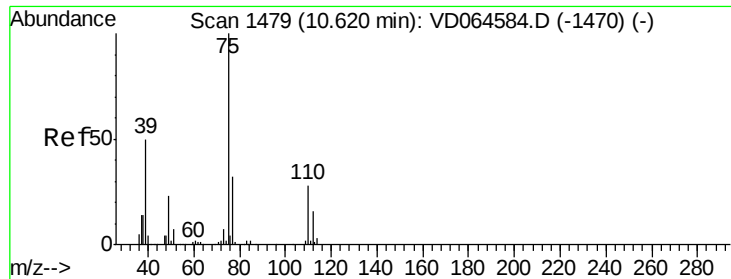
91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





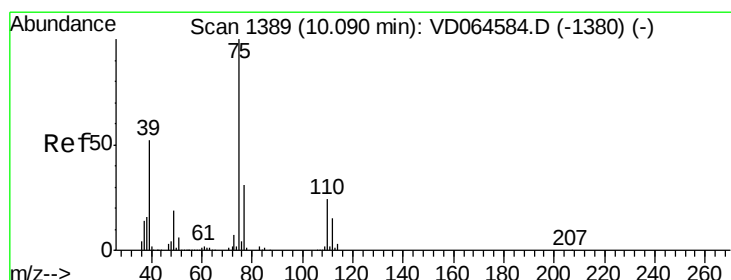
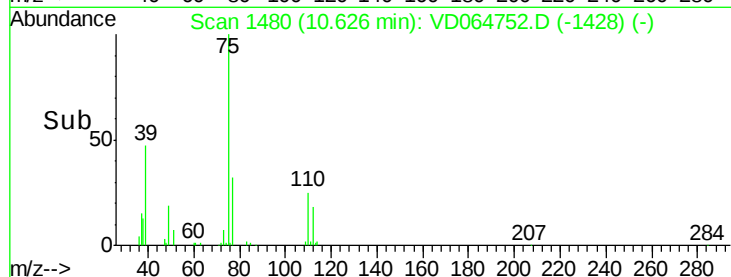
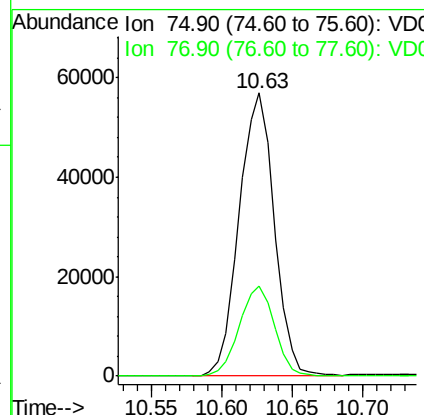
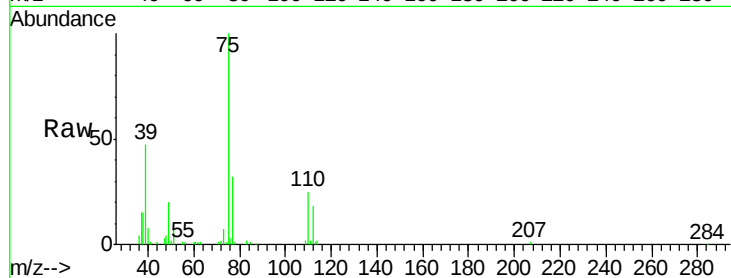
#53
t-1,3-Dichloropropene
Concen: 21.457 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion: 75 Resp: 99330
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

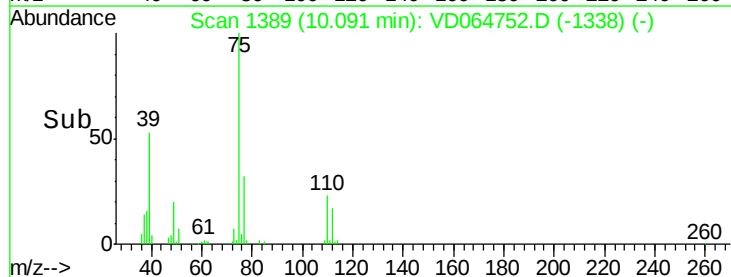
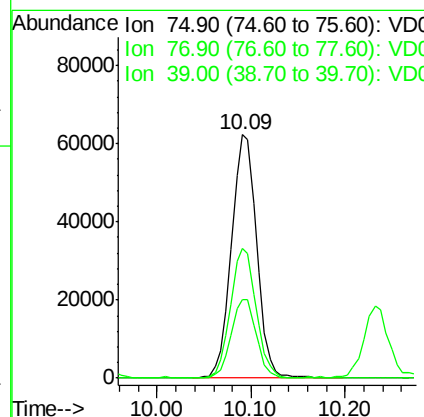
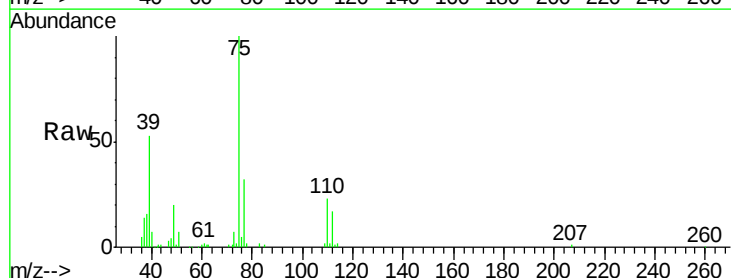
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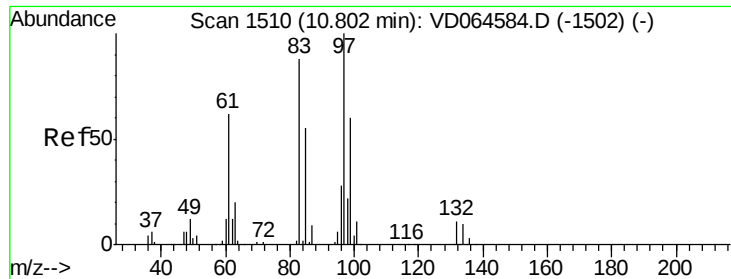
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#54
cis-1,3-Dichloropropene
Concen: 21.319 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 75 Resp: 116370
Ion Ratio Lower Upper
75 100
77 32.2 24.6 36.8
39 53.2 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 21.470 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 97 Resp: 53992

Ion Ratio Lower Upper

97 100

83 75.3 70.2 105.4

85 51.5 44.0 66.0

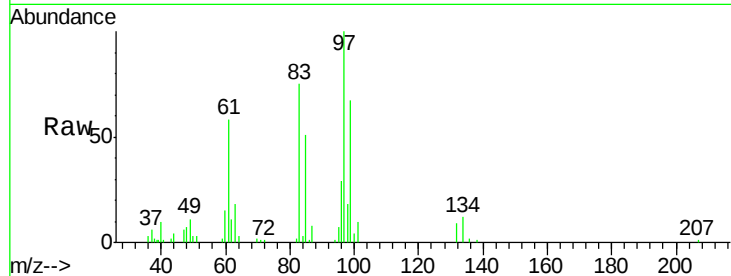
99 66.5 47.8 71.6

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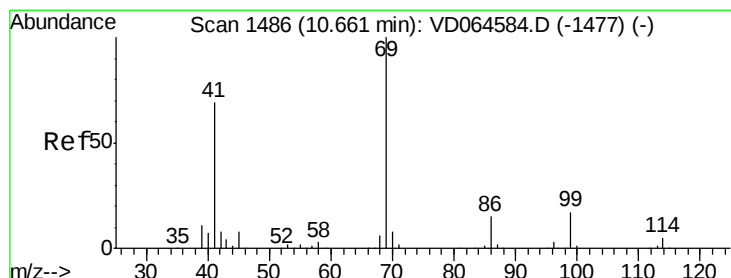
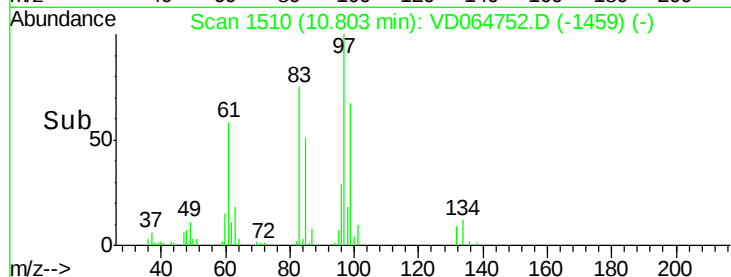
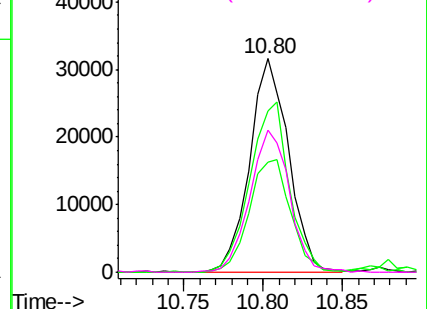
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.483 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

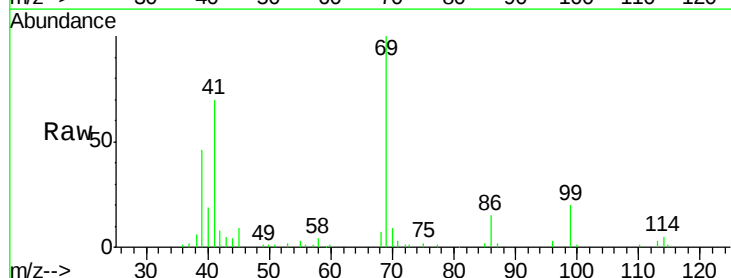
Tgt Ion: 69 Resp: 64330

Ion Ratio Lower Upper

69 100

41 70.8 55.3 82.9

39 38.4 33.8 50.8

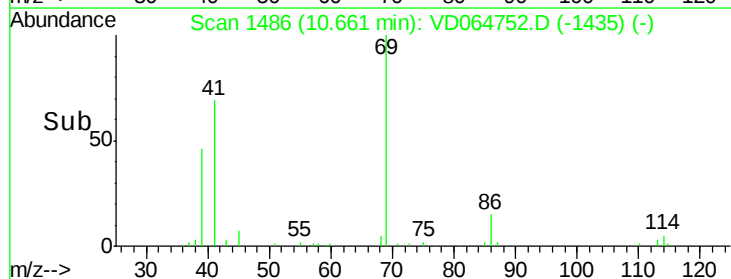
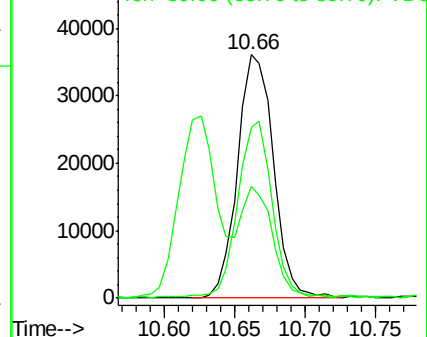


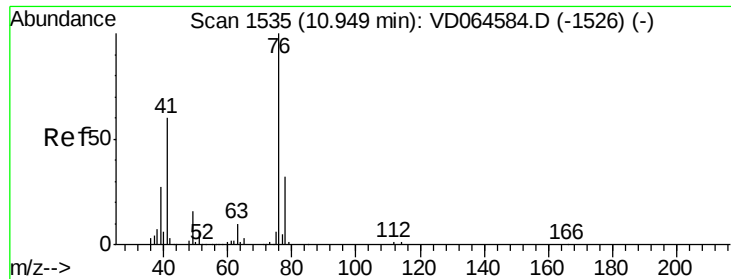
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.967 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 76 Resp: 95116

Ion Ratio Lower Upper

76 100

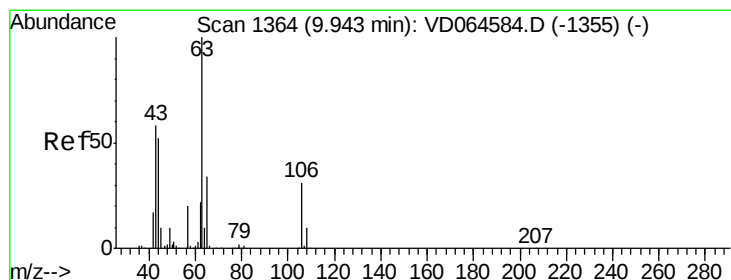
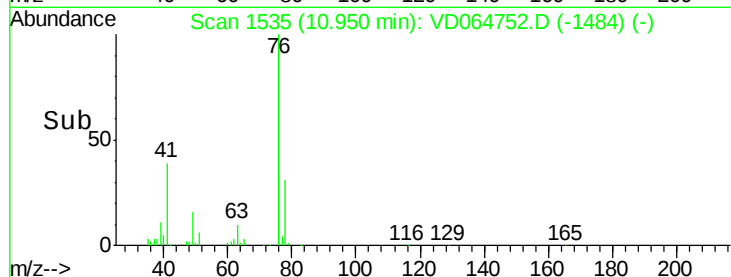
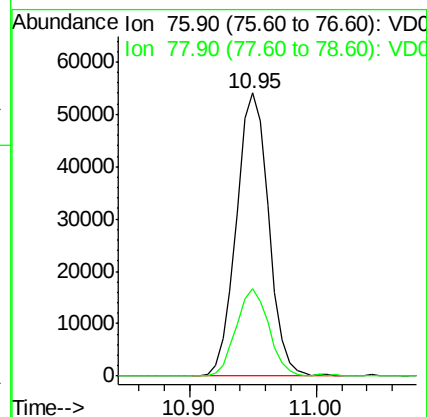
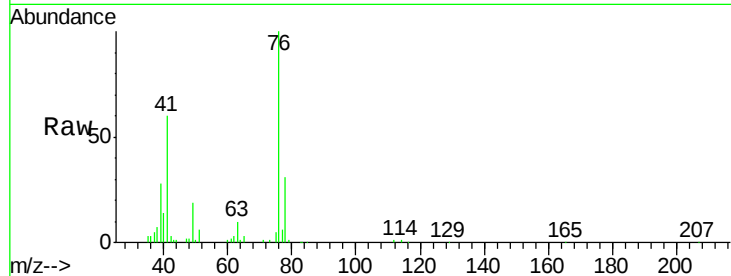
78 31.2 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 109.496 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064752.D

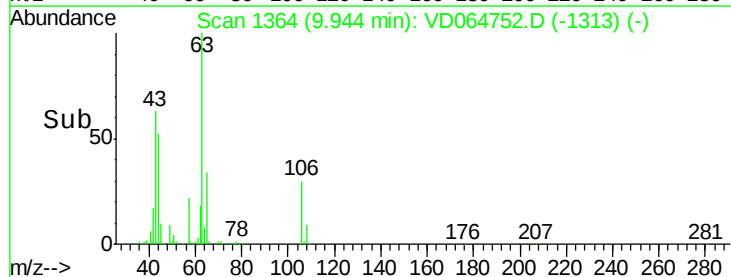
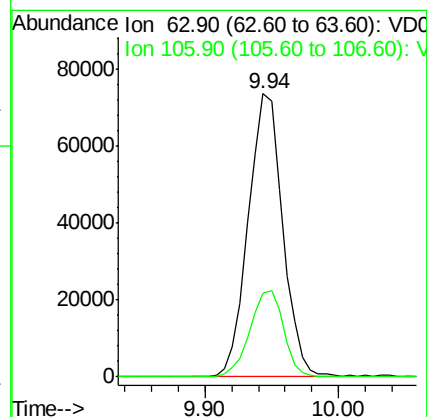
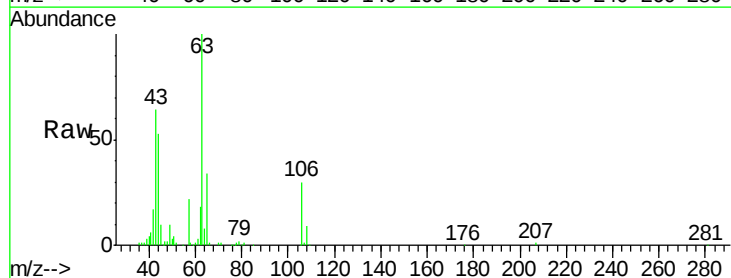
Acq: 04 Jan 2020 01:06

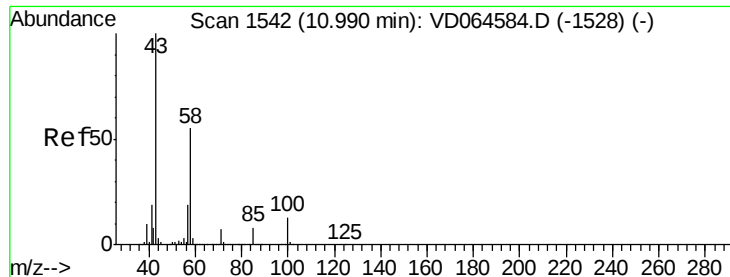
Tgt Ion: 63 Resp: 131015

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8





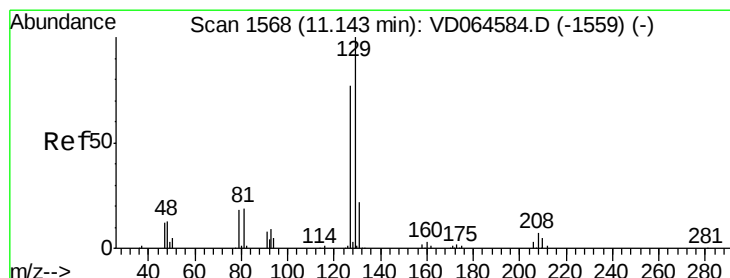
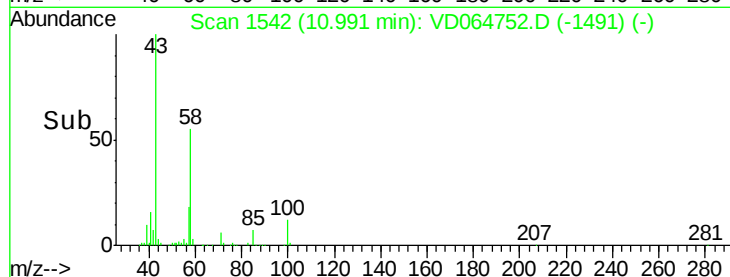
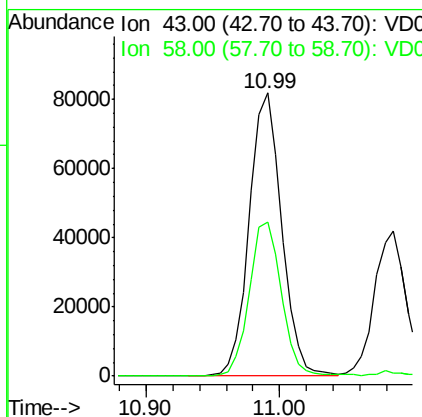
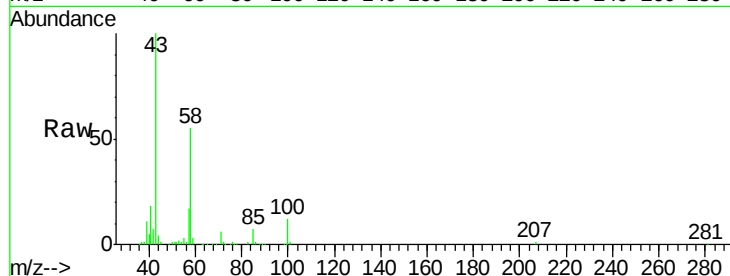
#59
2-Hexanone
Concen: 101.996 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion: 43 Resp: 137385
Ion Ratio Lower Upper
43 100
58 53.7 26.4 79.0

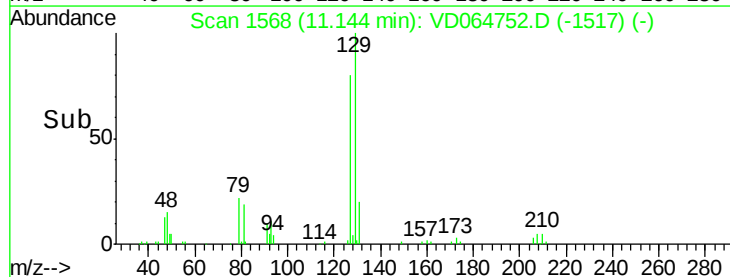
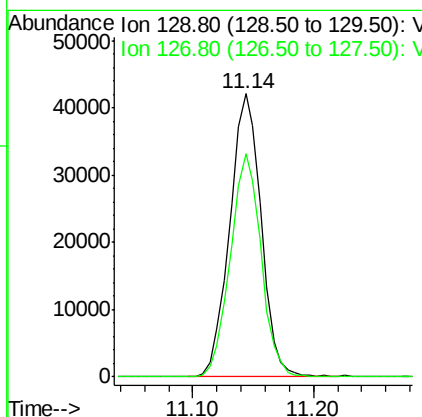
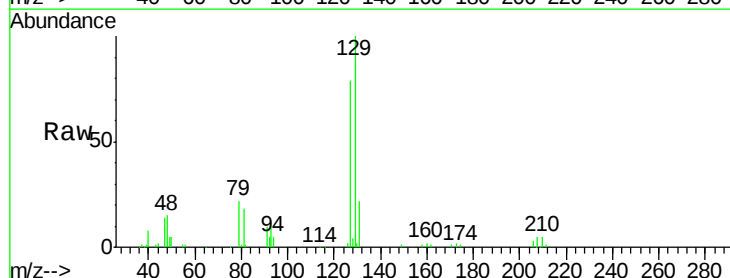
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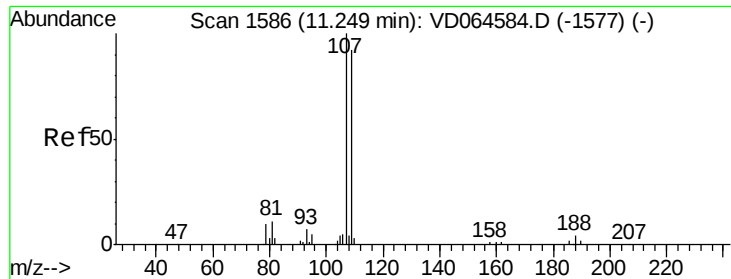
apatel
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#60
Dibromochloromethane
Concen: 21.915 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 129 Resp: 76210
Ion Ratio Lower Upper
129 100
127 77.2 38.4 115.2





#61

1,2-Dibromoethane

Concen: 20.666 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 107 Resp: 51258

Ion Ratio Lower Upper

107 100

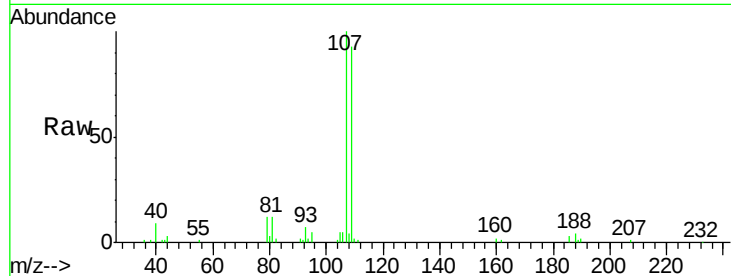
109 100.7 75.6 113.4

Manual Integrations

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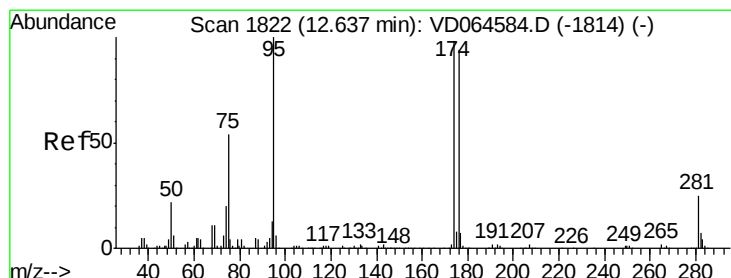
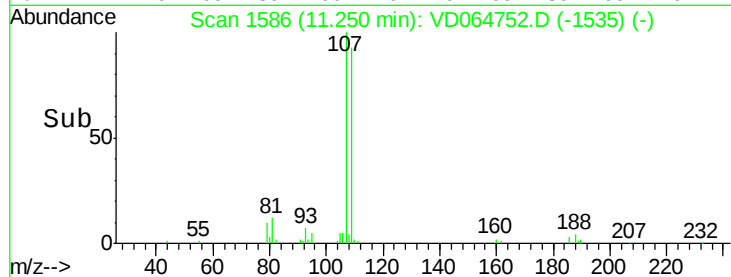
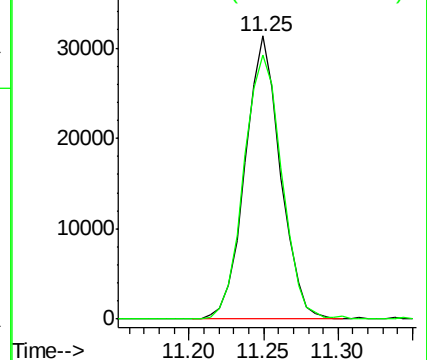
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.831 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

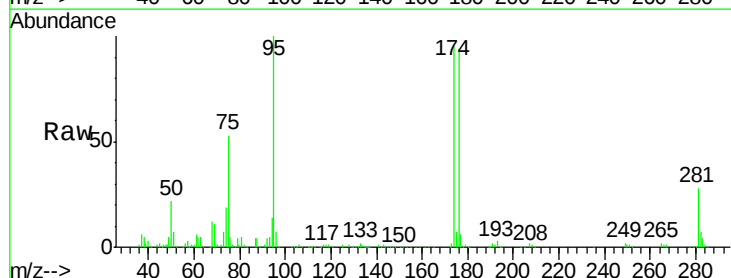
Tgt Ion: 95 Resp: 205450

Ion Ratio Lower Upper

95 100

174 95.1 0.0 193.2

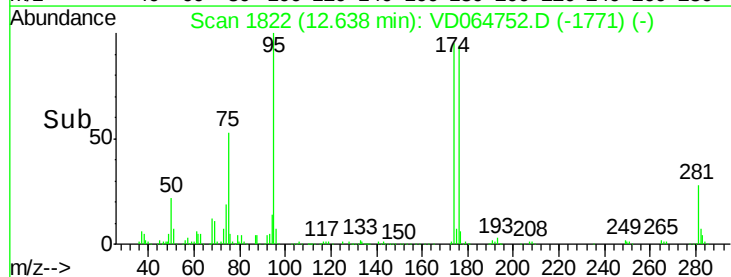
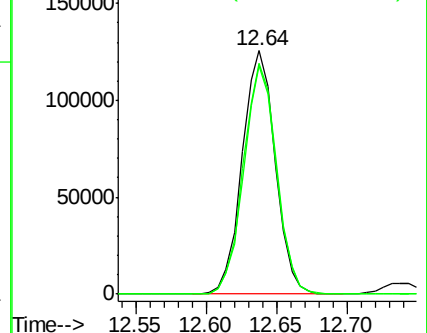
176 92.9 0.0 184.2

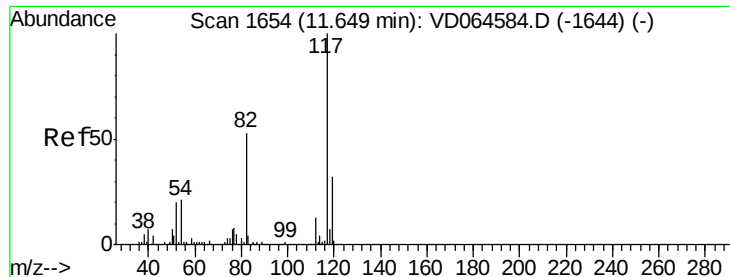


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





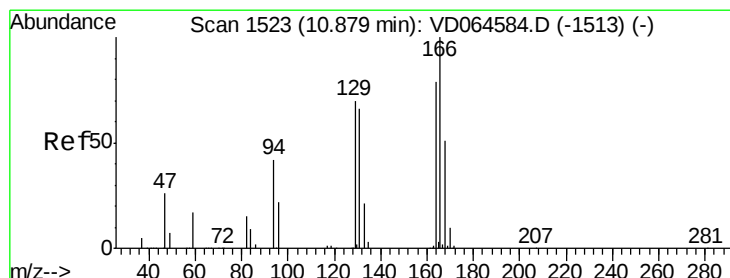
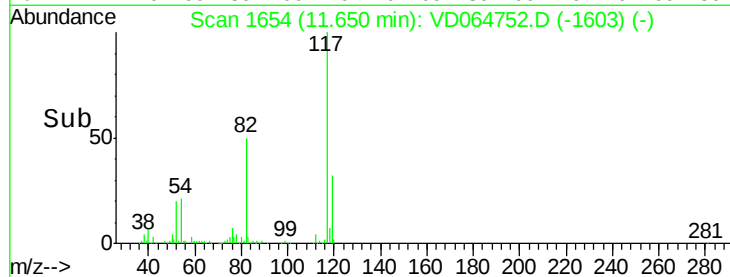
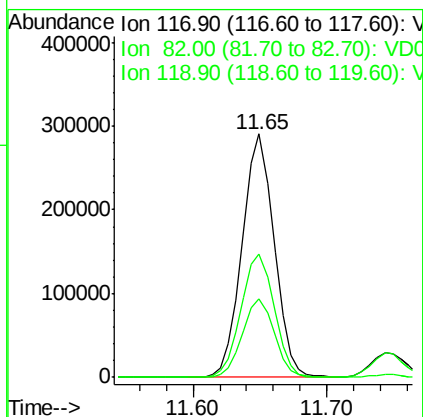
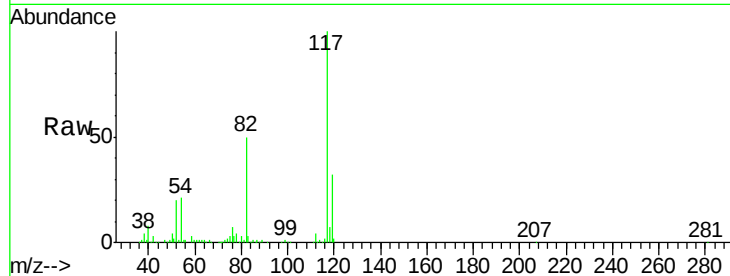
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBS02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.5	42.2	63.4
119	32.1	26.0	39.0

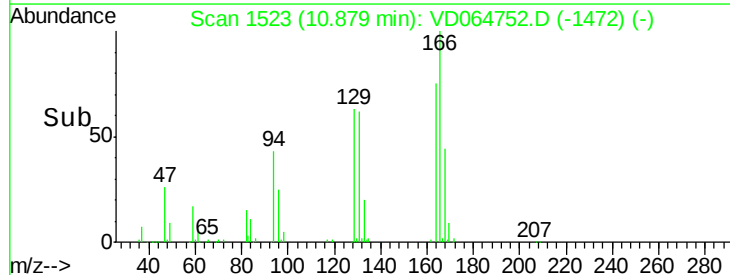
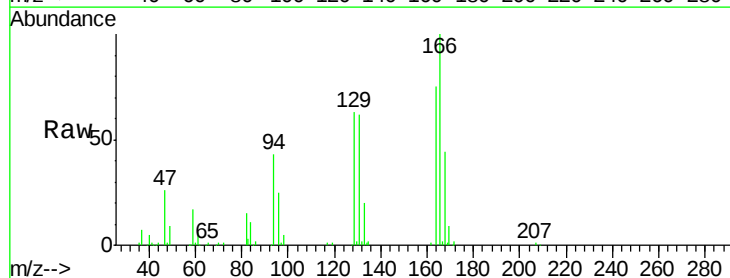
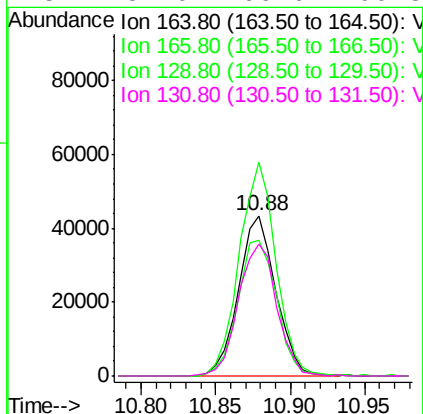
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#64
Tetrachloroethene
Concen: 20.266 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.1	101.3	151.9
129	84.2	70.5	105.7
131	82.0	66.6	99.8





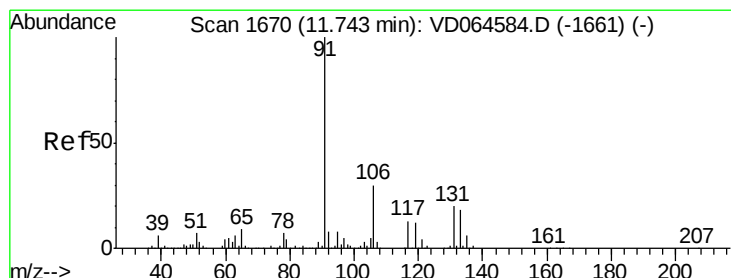
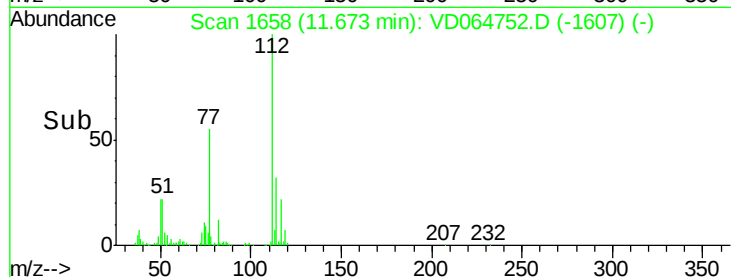
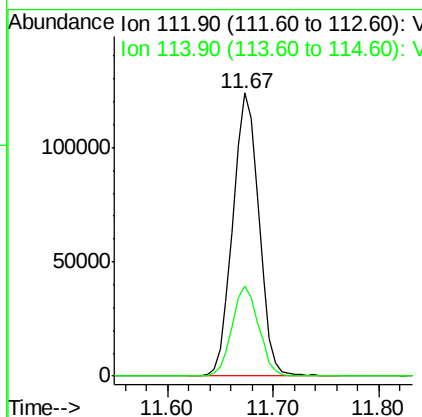
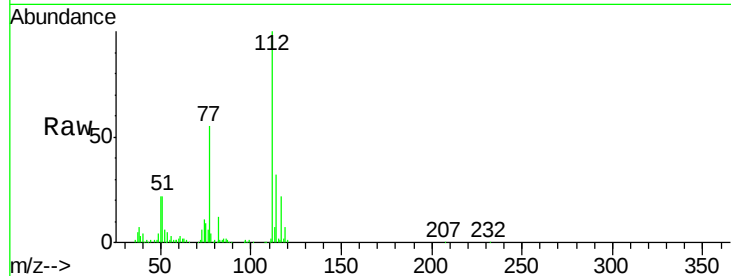
#65
Chlorobenzene
Concen: 21.060 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

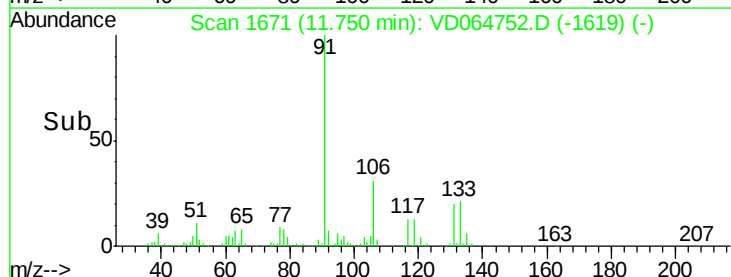
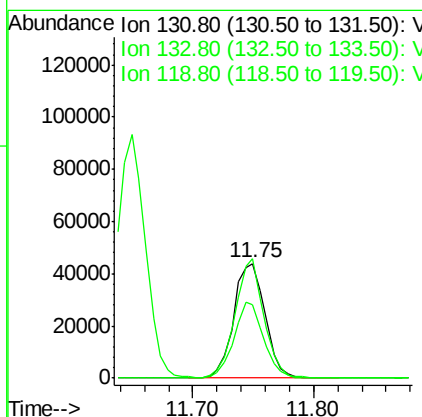
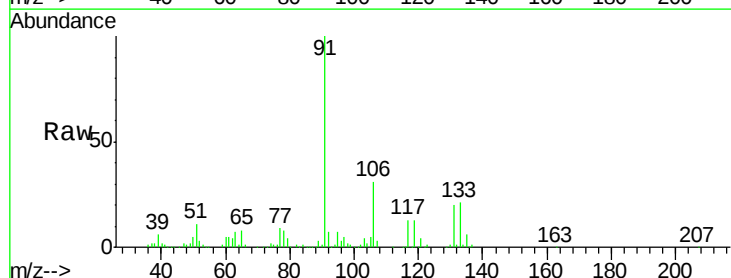
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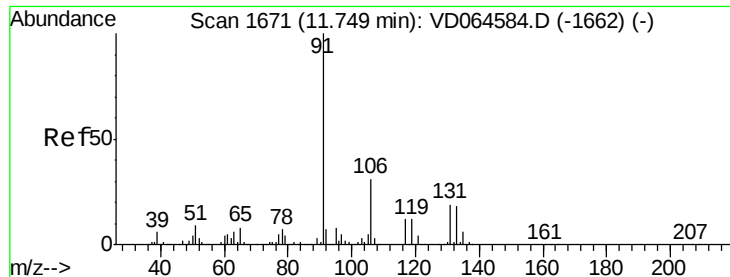
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.101 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.3	144.8
119	62.0	32.1	96.3





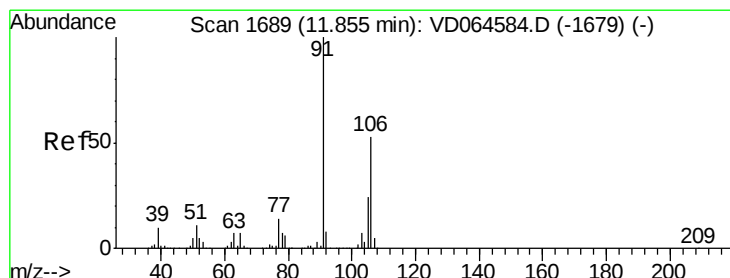
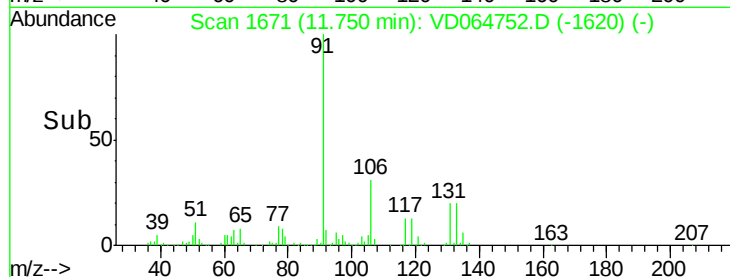
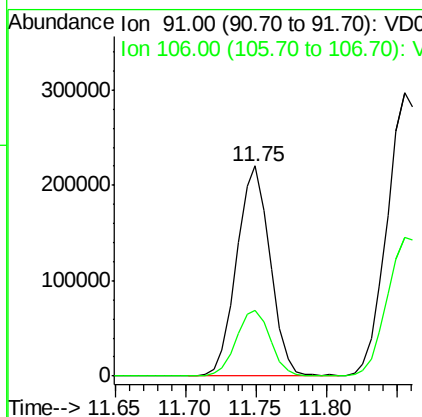
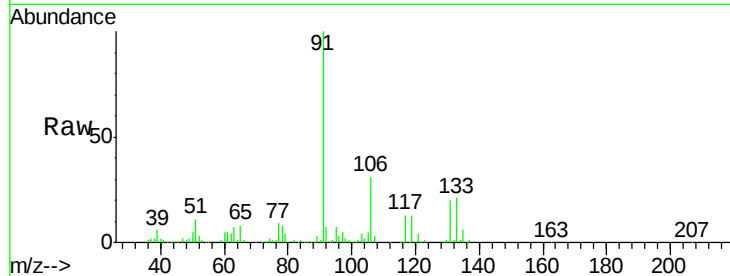
#67
Ethyl Benzene
Concen: 20.084 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion: 91 Resp: 365028
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8

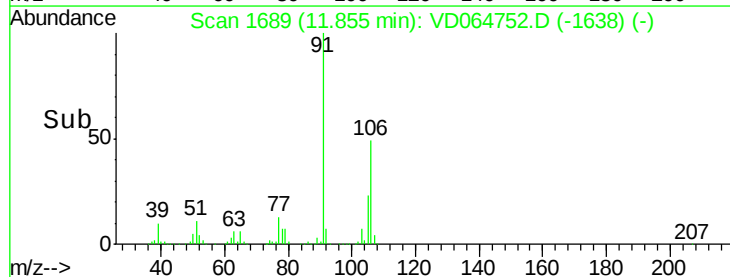
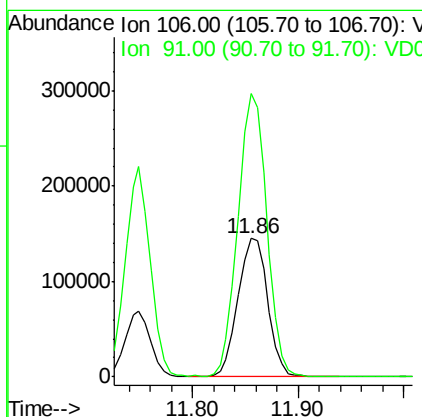
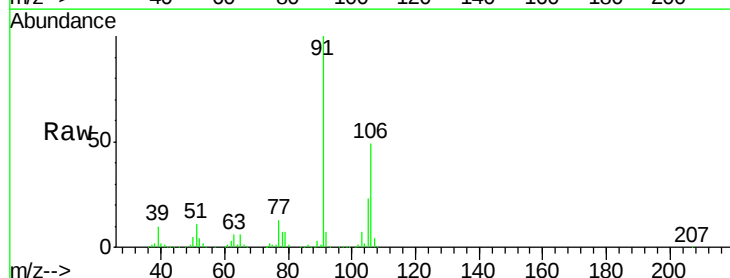
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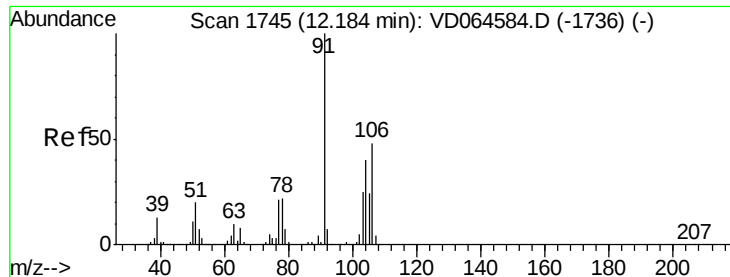
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#68
m/p-Xylenes
Concen: 40.405 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion: 106 Resp: 283457
Ion Ratio Lower Upper
106 100
91 198.7 156.3 234.5





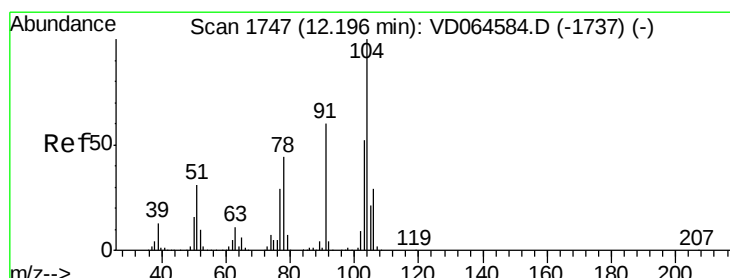
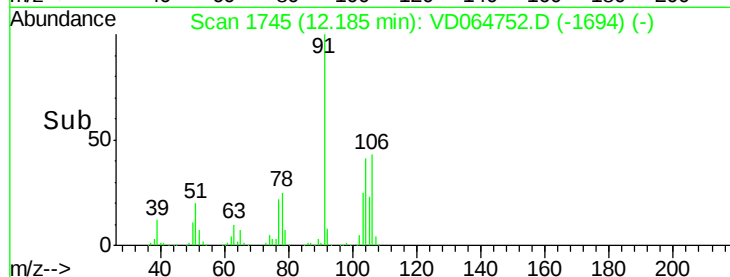
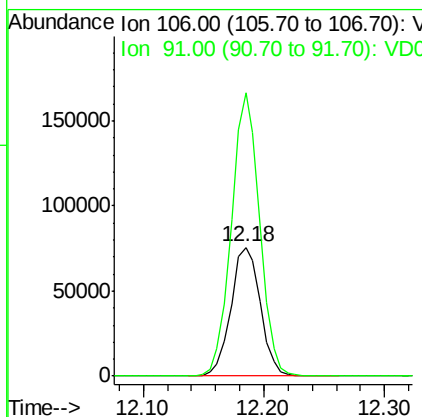
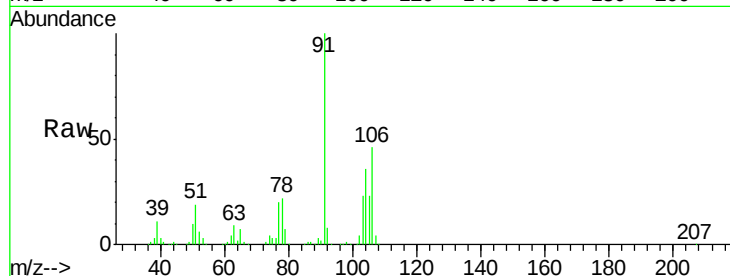
#69
o-Xylene
Concen: 20.225 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion:106 Resp: 128159
Ion Ratio Lower Upper
106 100
91 211.1 104.8 314.4

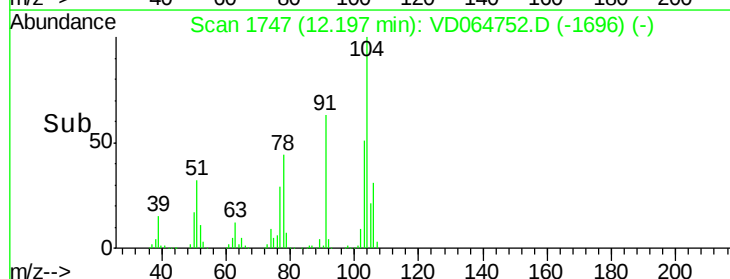
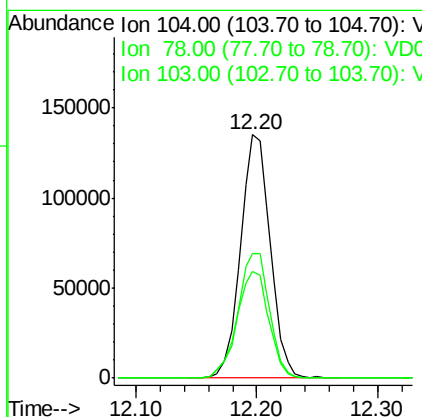
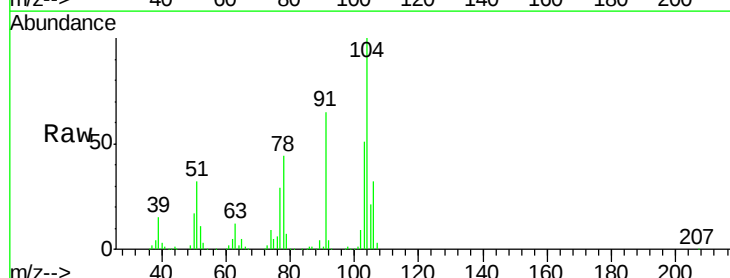
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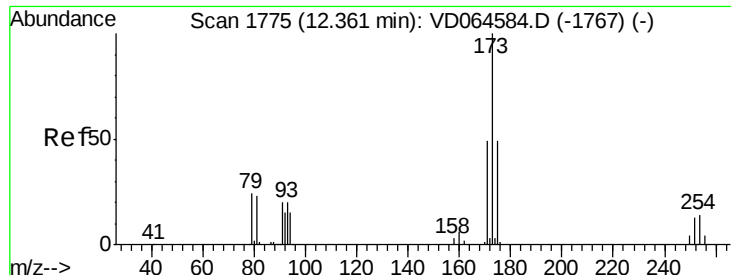
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#70
Styrene
Concen: 20.817 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:104 Resp: 231540
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 54.9 44.6 67.0





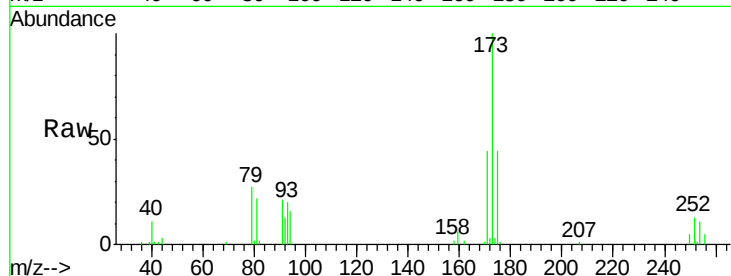
#71
Bromoform
Concen: 20.941 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

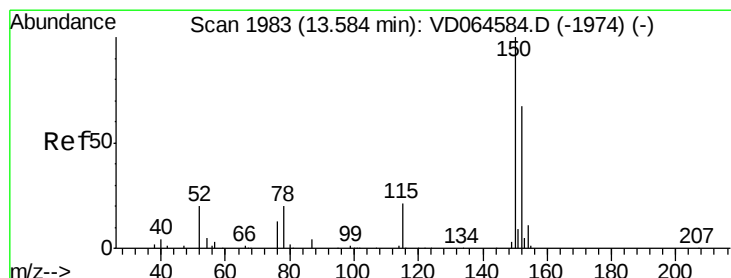
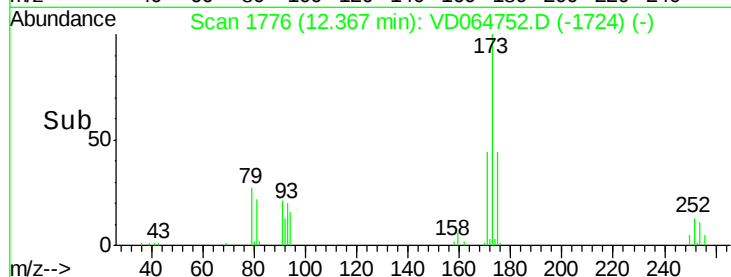
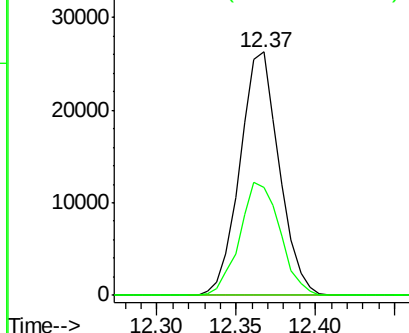
Tgt Ion:173 Resp: 45082
Ion Ratio Lower Upper
173 100
175 47.9 24.6 73.8
254 0.0 0.1 0.1#

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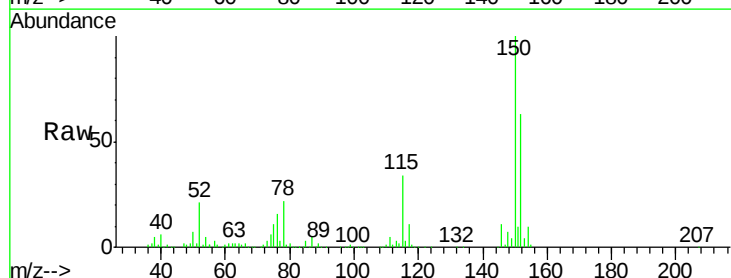


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

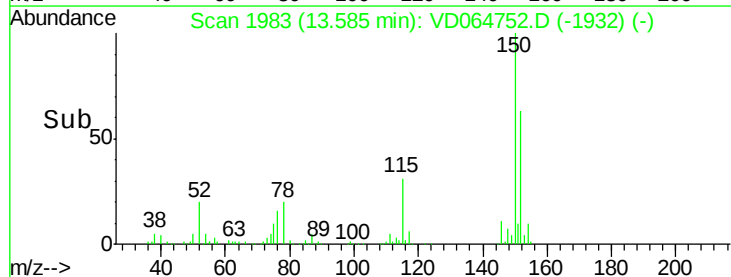
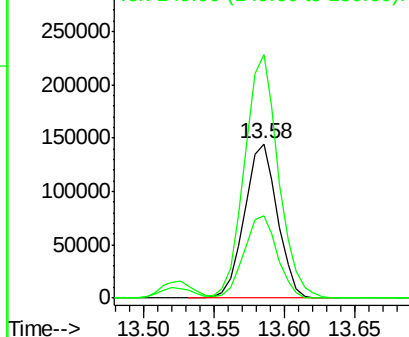


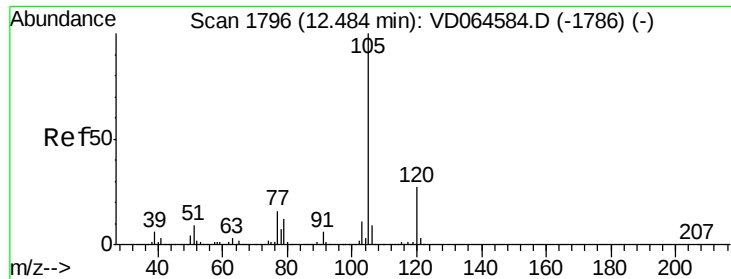
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion:152 Resp: 235603
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 163.2 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.576 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBS02

Tgt Ion: 105 Resp: 346425

Ion Ratio Lower Upper

105 100

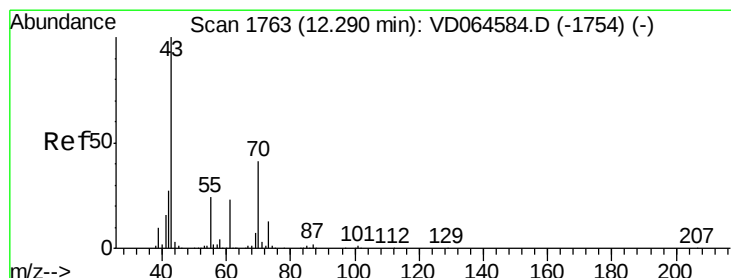
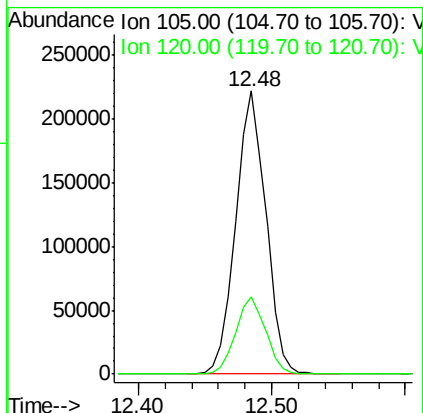
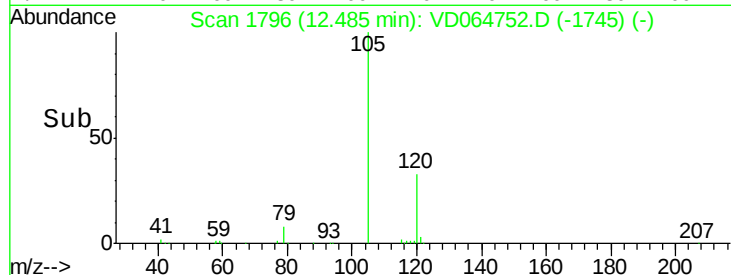
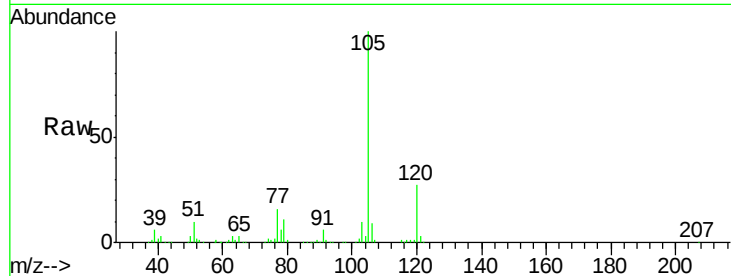
120 27.2 13.5 40.5

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#74

N-ethyl acetate

Concen: 20.827 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion: 43 Resp: 74958

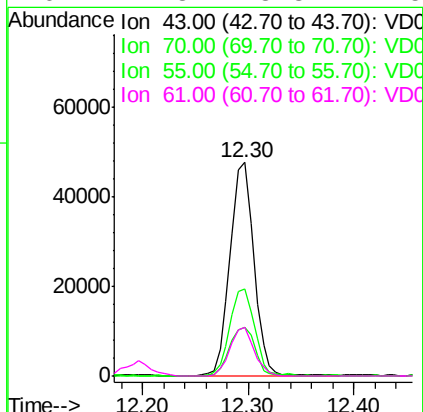
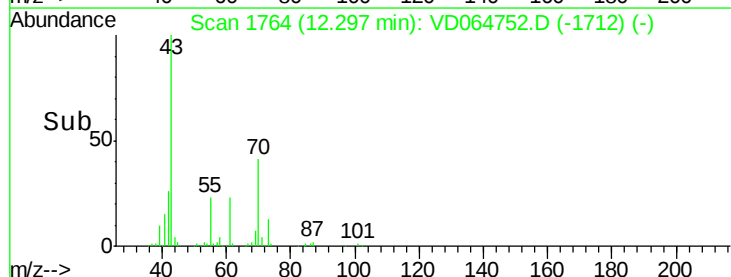
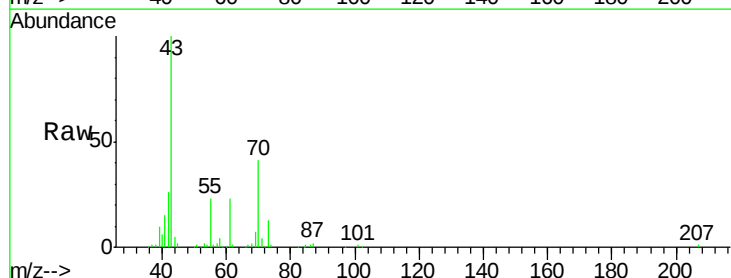
Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.2 19.4 29.0

61 22.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.066 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

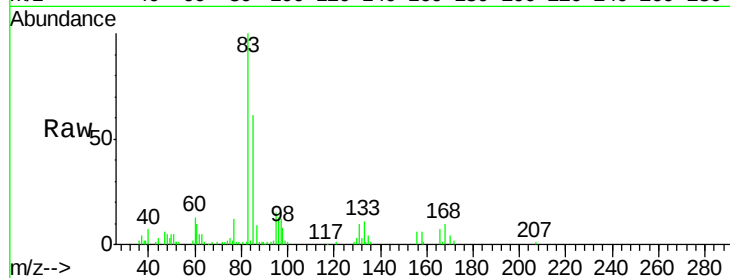
ClientSampleId :

VD0103SBSD02

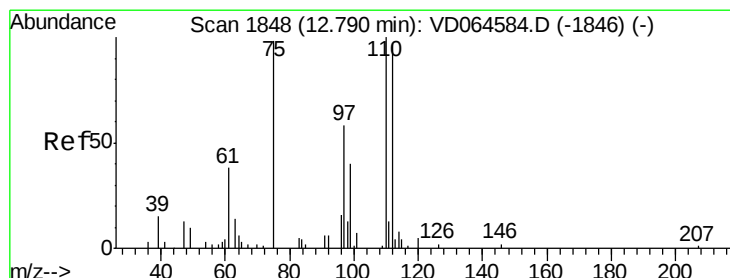
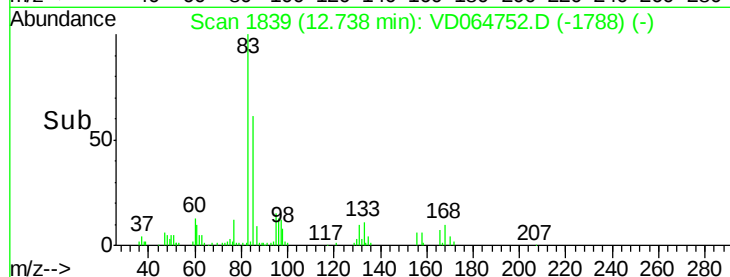
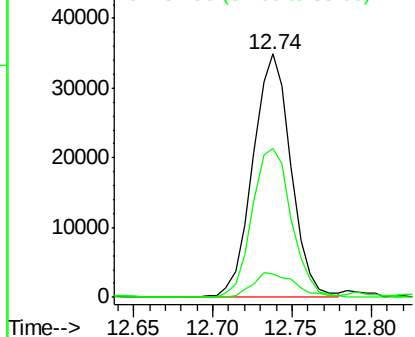
Tgt Ion:	83	Resp:	58361
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.8	17.4
85	63.1	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 19.056 ug/l m

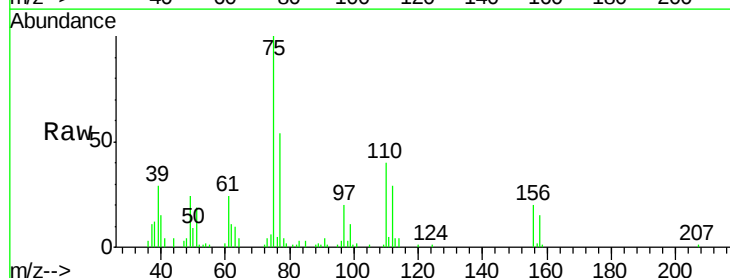
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

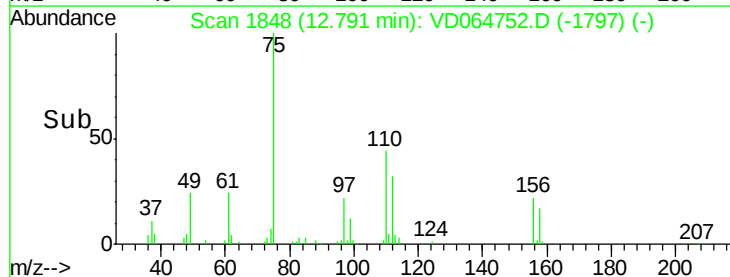
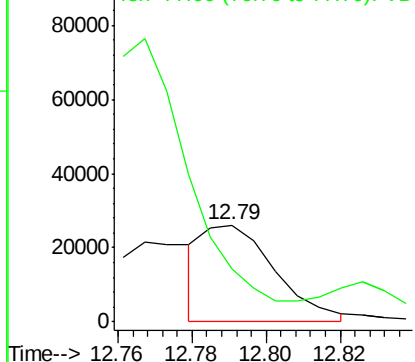
Lab File: VD064752.D

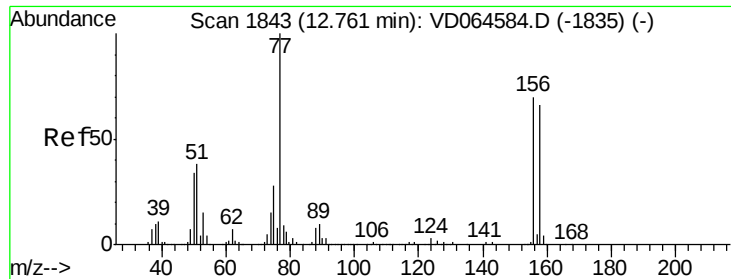
Acq: 04 Jan 2020 01:06

Tgt Ion:	75	Resp:	35453
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.358 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

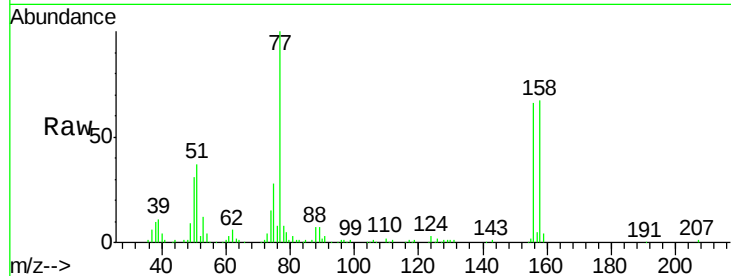
ClientSampleId :

VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	162.8	80.9	242.7
158	95.2	48.0	144.2

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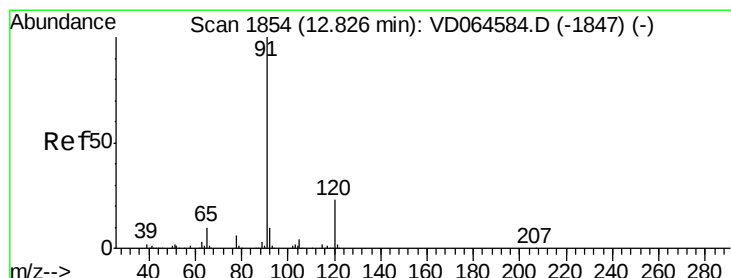
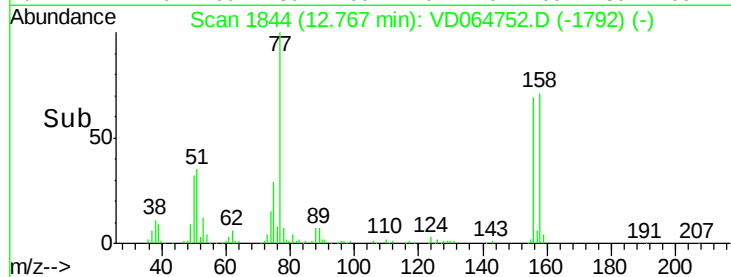
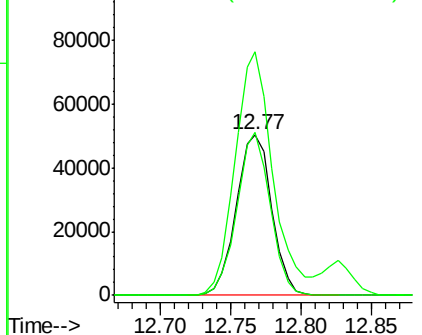
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.652 ug/l

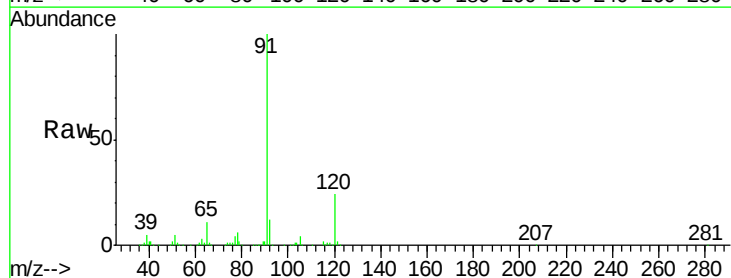
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064752.D

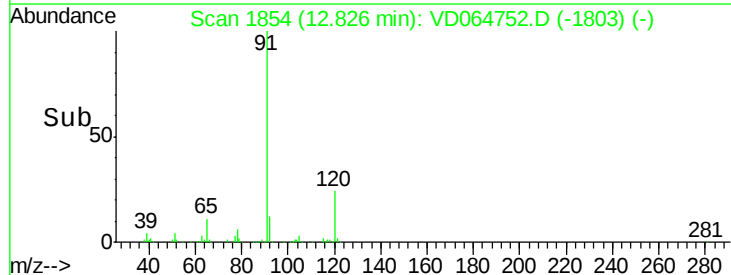
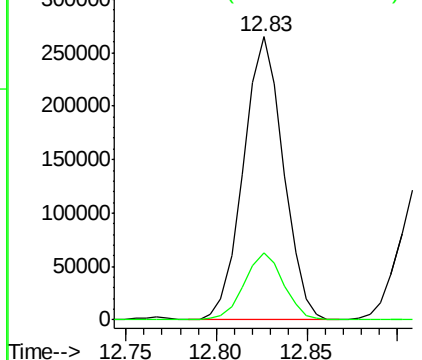
Acq: 04 Jan 2020 01:06

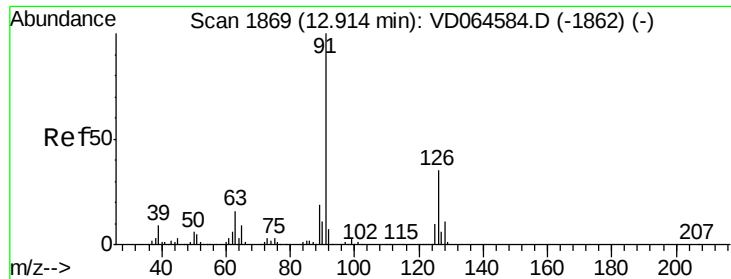
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.918 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

ClientSampleId :

VD0103SBSD02

Tgt Ion: 91 Resp: 225711

Ion Ratio Lower Upper

91 100

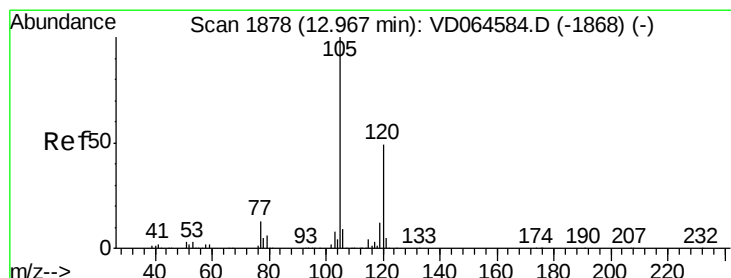
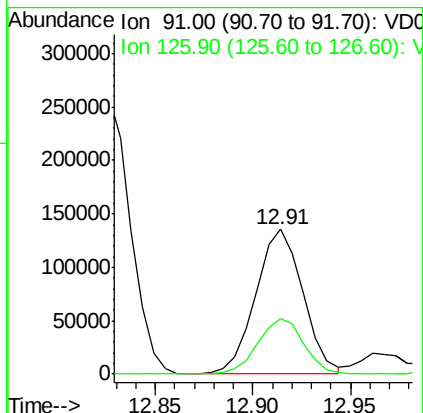
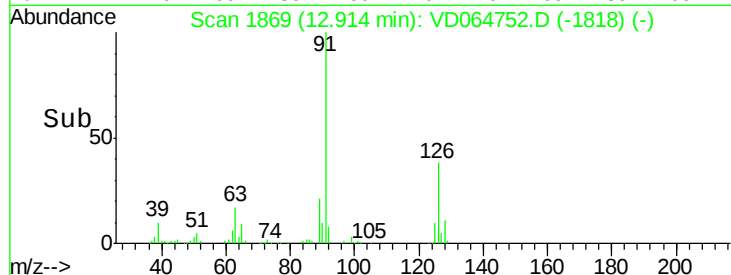
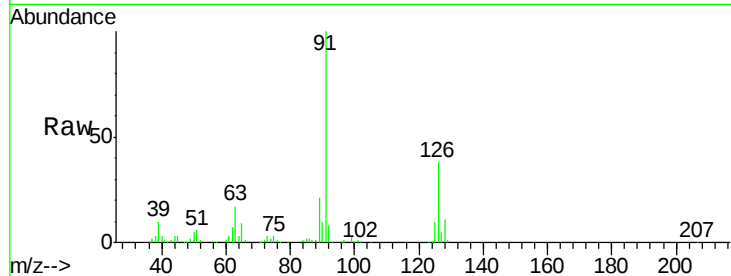
126 37.4 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 20.611 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064752.D

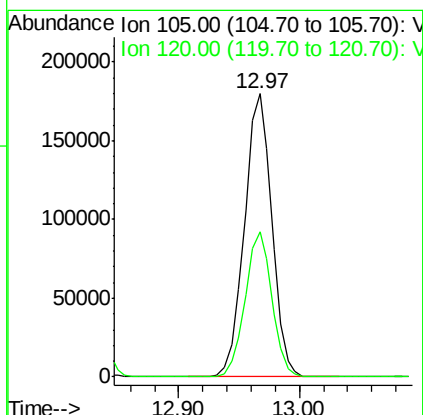
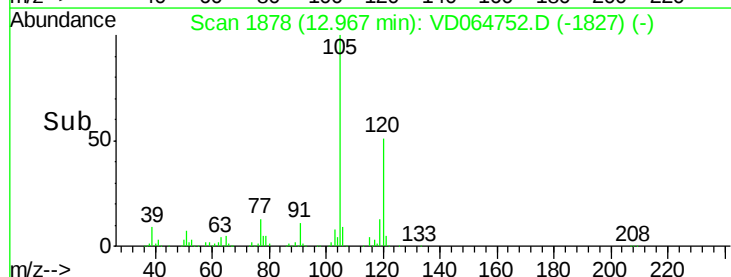
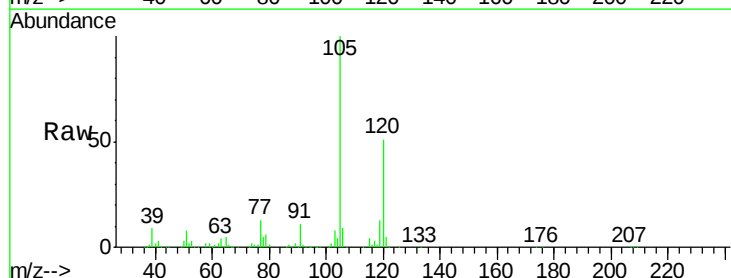
Acq: 04 Jan 2020 01:06

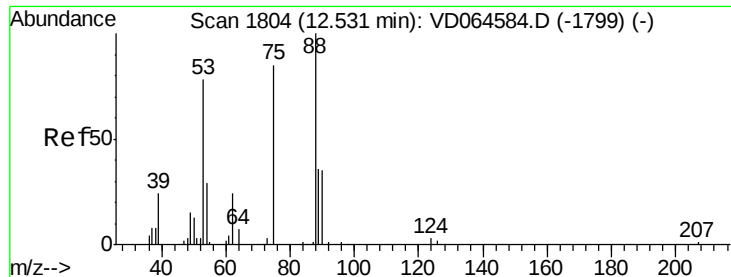
Tgt Ion: 105 Resp: 285063

Ion Ratio Lower Upper

105 100

120 50.1 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.486 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Instrument :

MSVOA_D

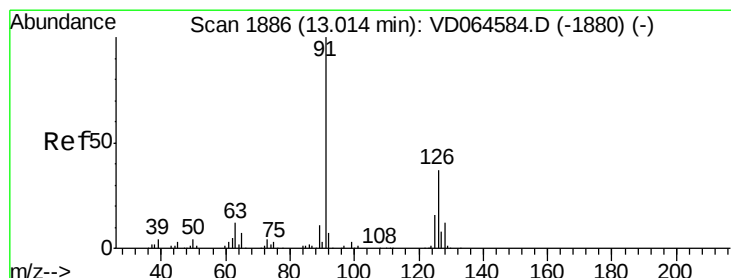
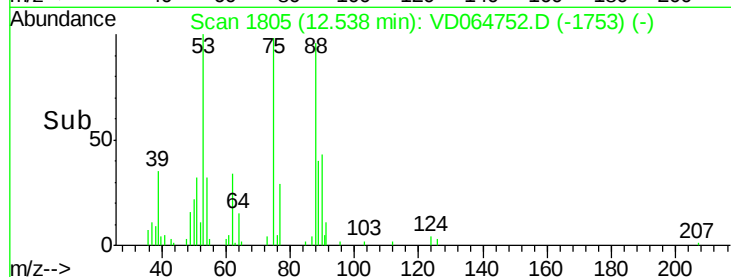
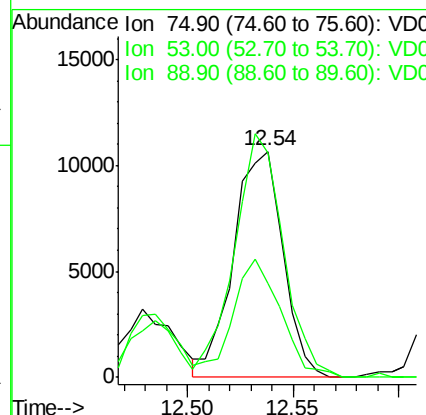
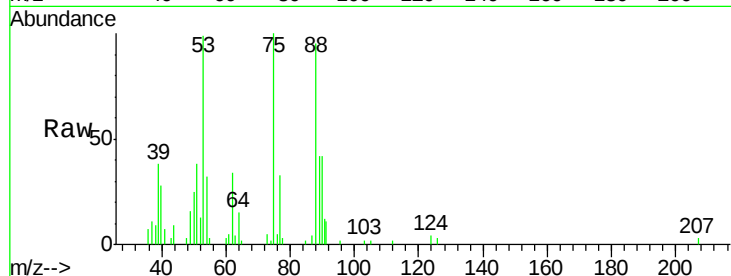
ClientSampleId :

VD0103SBSD02

Tgt Ion:	75	Resp:	17334
Ion	Ratio	Lower	Upper
75	100		
53	106.5	78.8	118.2
89	50.6	38.3	57.5

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#82

4-Chlorotoluene

Concen: 21.131 ug/l

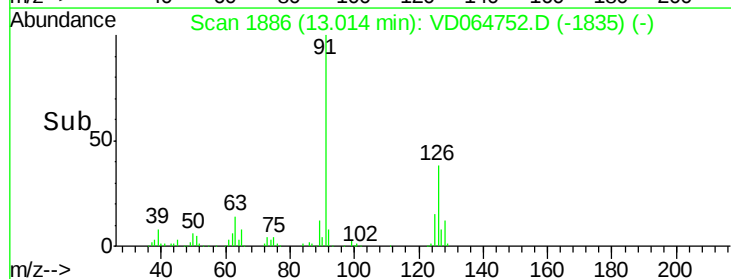
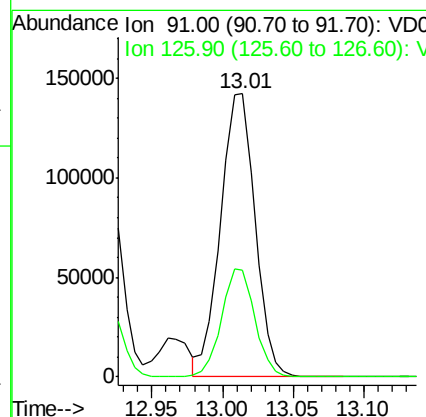
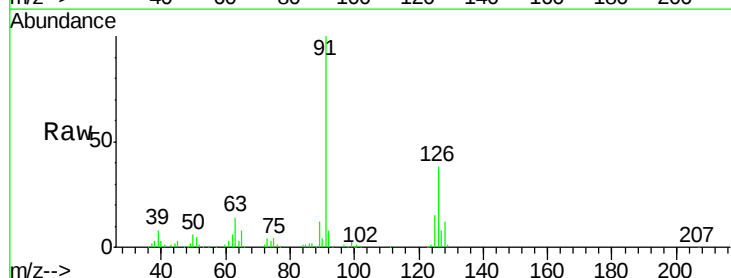
RT: 13.01 min Scan# 1886

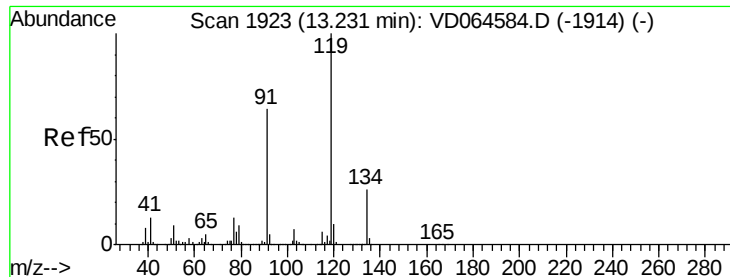
Delta R.T. 0.00 min

Lab File: VD064752.D

Acq: 04 Jan 2020 01:06

Tgt Ion:	91	Resp:	242647
Ion	Ratio	Lower	Upper
91	100		
126	36.8	17.8	53.5





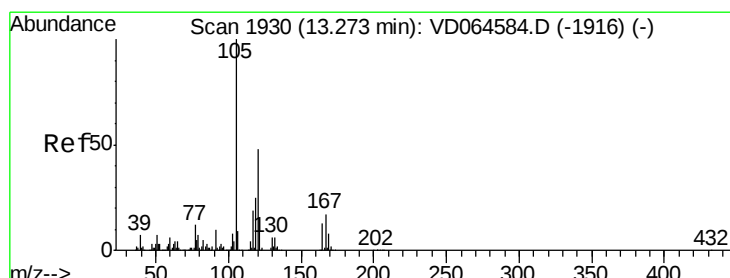
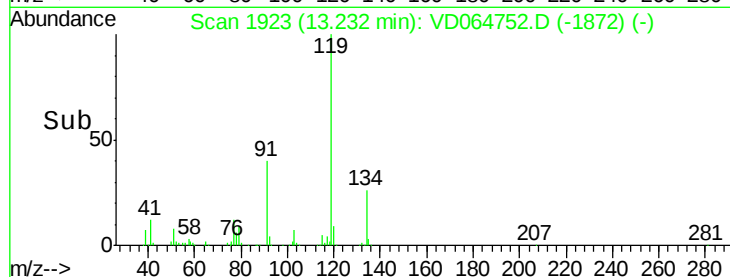
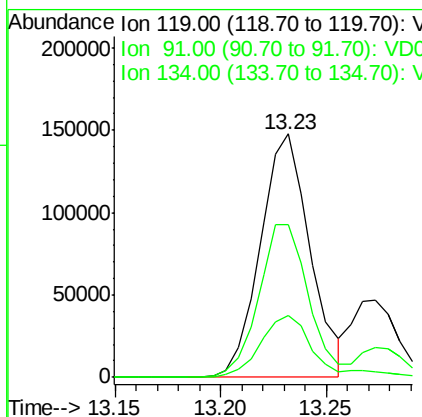
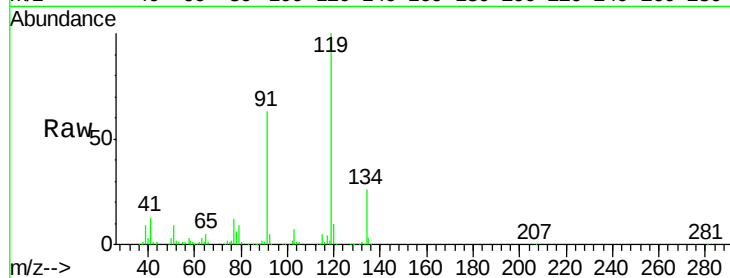
#83
 tert-Butylbenzene
 Concen: 20.123 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	241647		
91	62.6	30.8	92.4	
134	27.7	12.8	38.3	

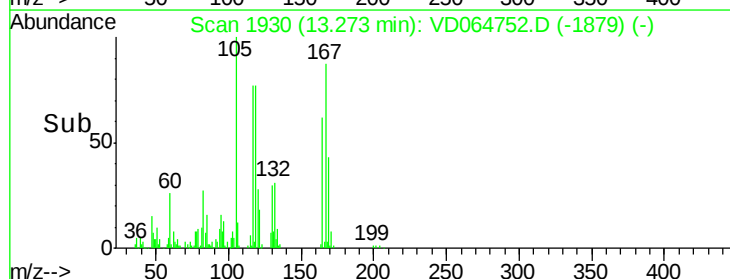
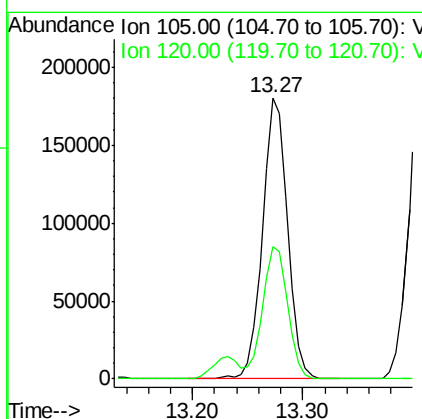
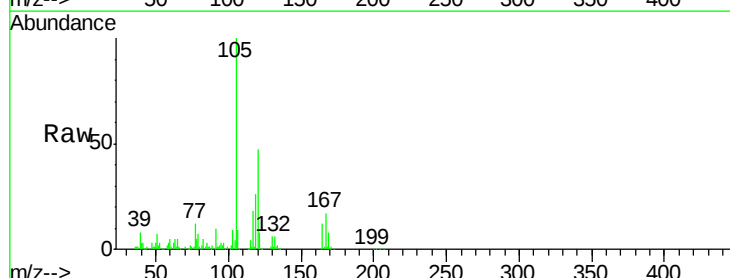
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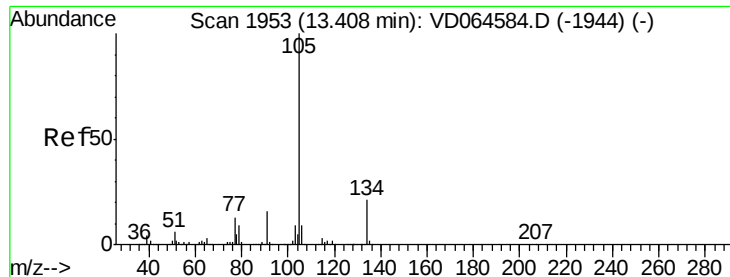
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.823 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	286828		
120	47.7	23.8	71.2	





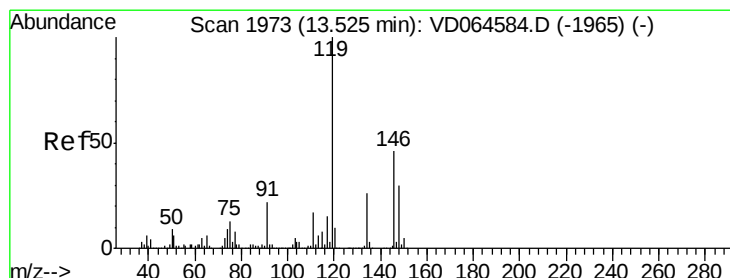
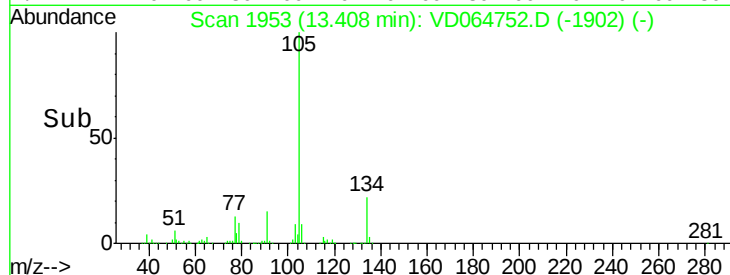
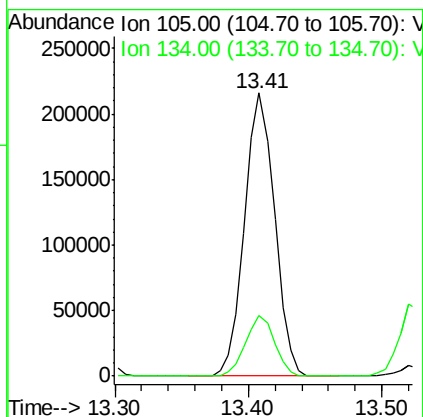
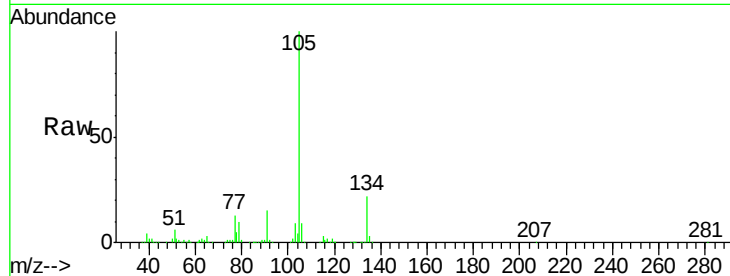
#85
 sec-Butylbenzene
 Concen: 20.399 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

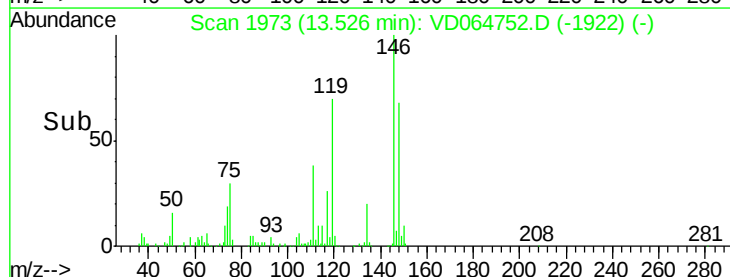
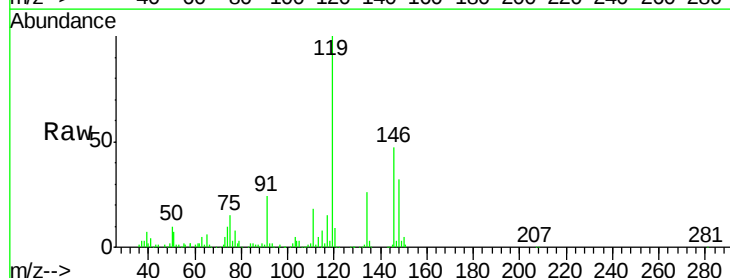
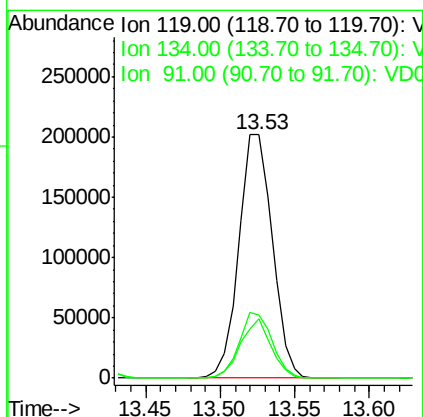
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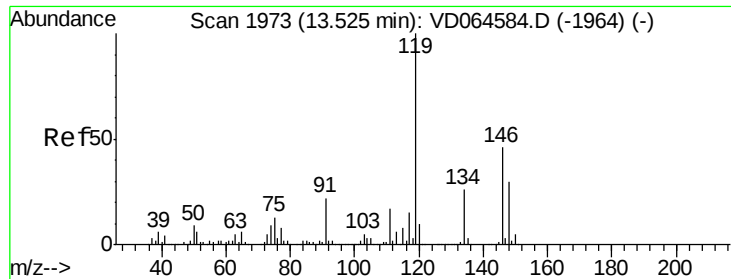
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#86
 p-Isopropyltoluene
 Concen: 19.939 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	22.1	11.2	33.6





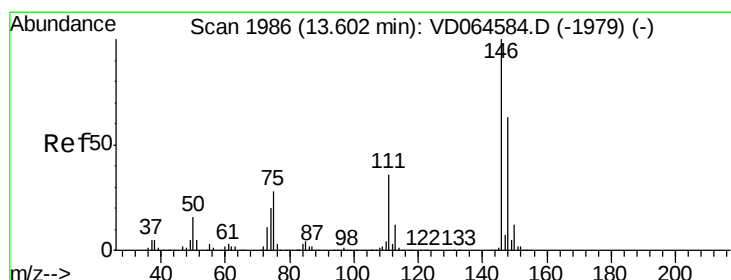
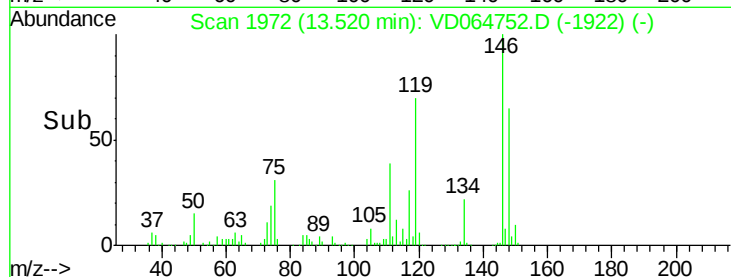
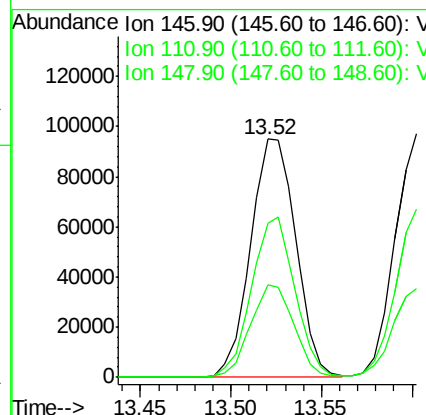
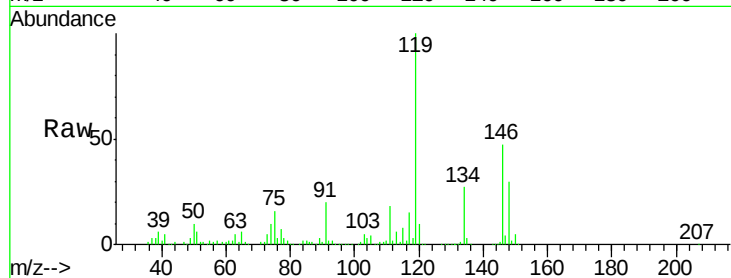
#87
1,3-Dichlorobenzene
Concen: 20.920 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.01 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	64.5	32.5	97.5

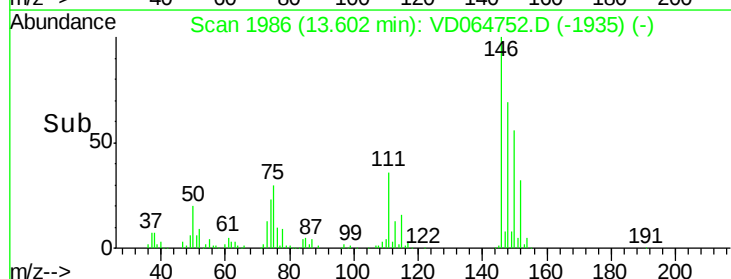
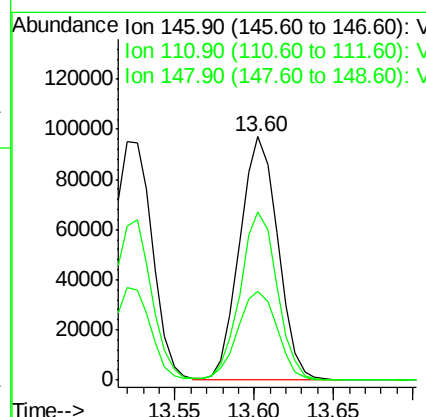
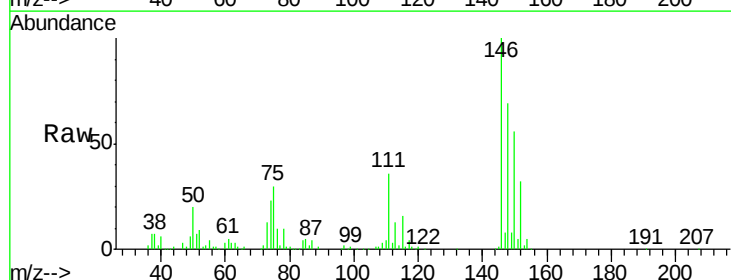
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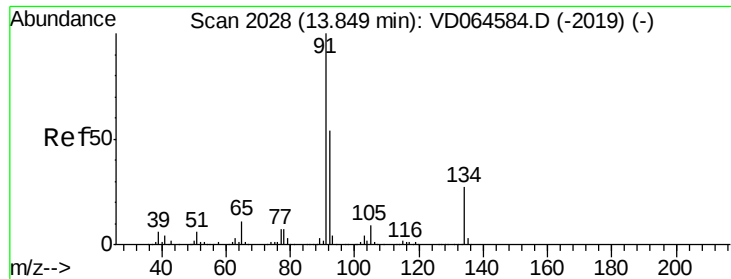
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#88
1,4-Dichlorobenzene
Concen: 21.014 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.1
148	66.8	32.3	96.9





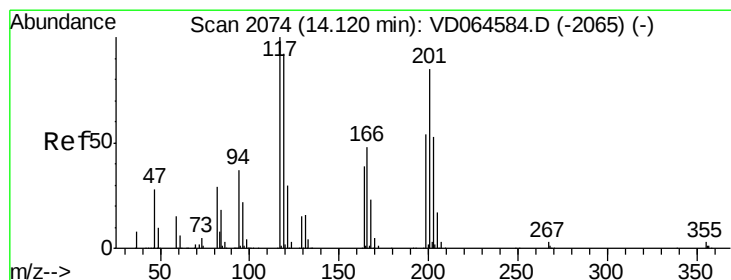
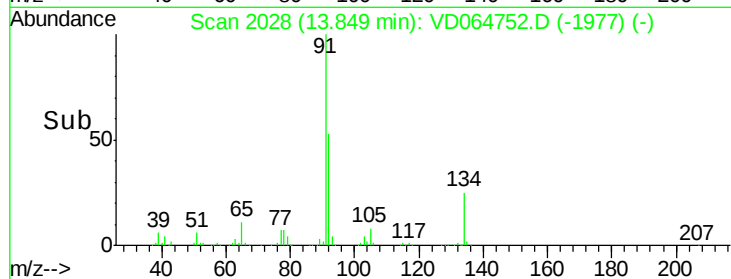
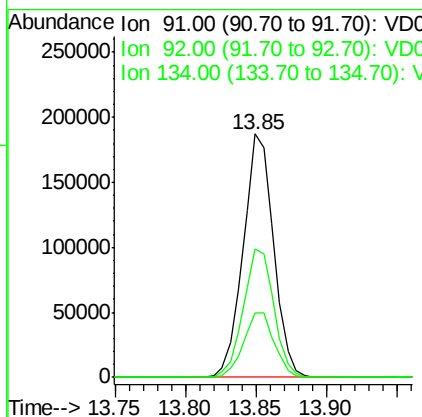
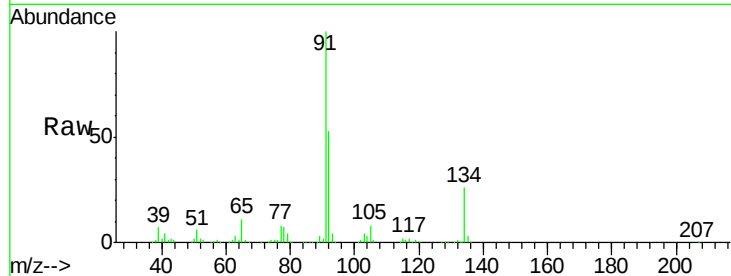
#89
n-Butylbenzene
Concen: 19.855 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.8	80.4
134	27.1	14.0	41.9

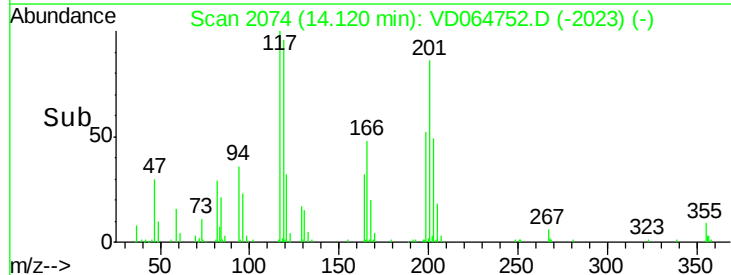
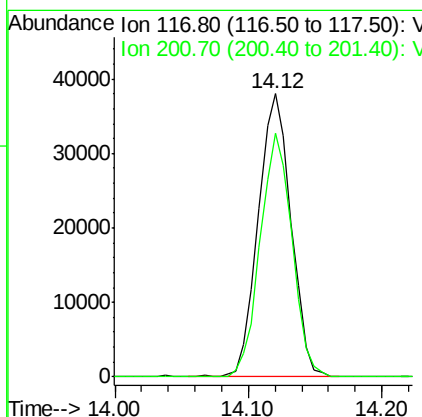
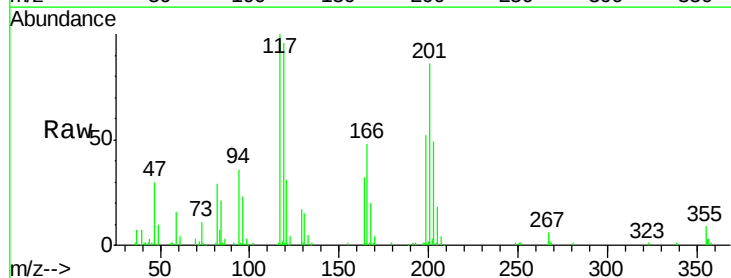
Manual Integrations
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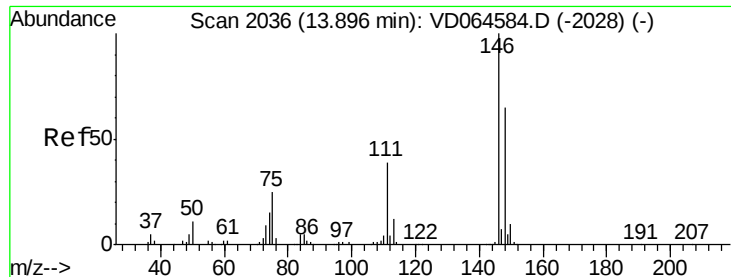
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#90
Hexachloroethane
Concen: 21.450 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	44.0	131.8





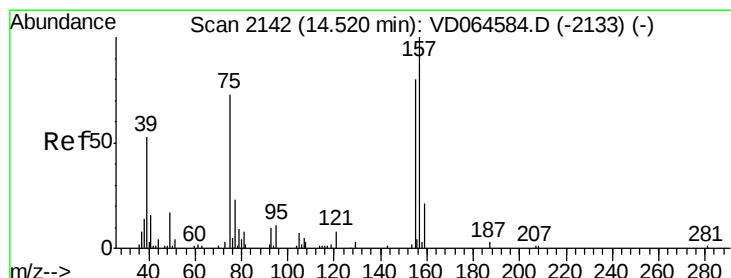
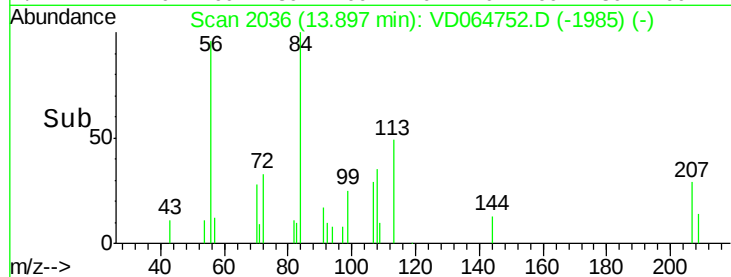
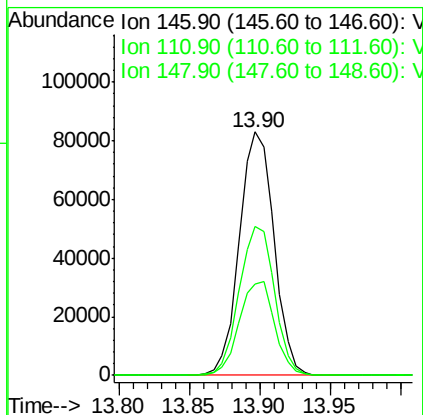
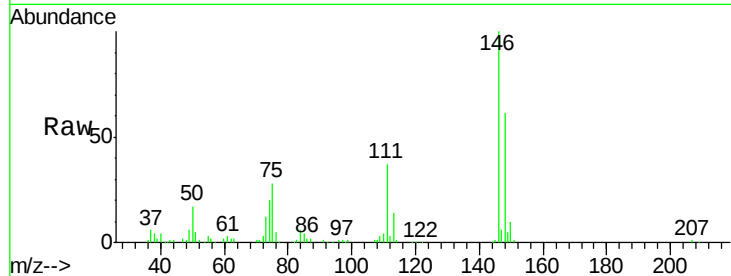
#91
 1,2-Dichlorobenzene
 Concen: 21.171 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.3	57.9
148	62.6	31.9	95.5

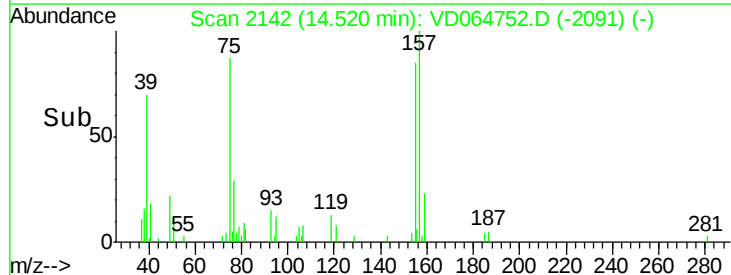
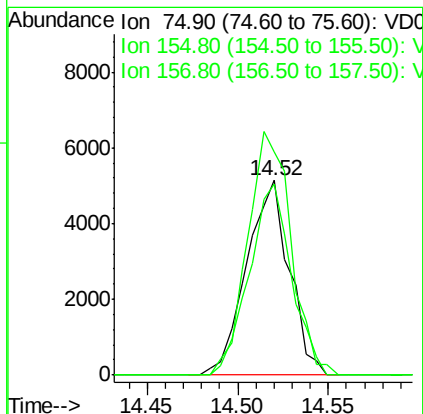
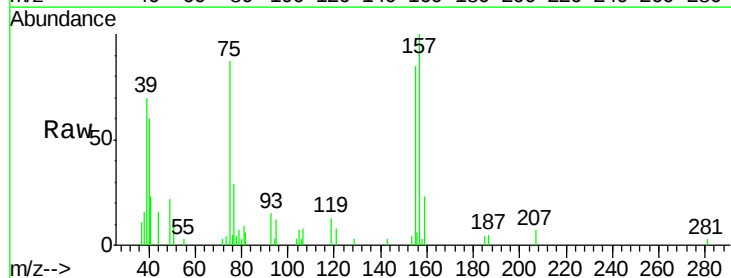
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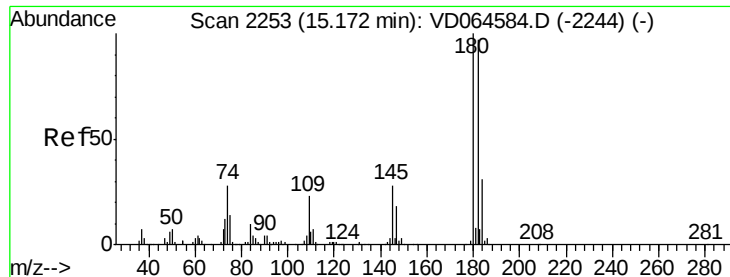
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.607 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.2	48.0	144.0
157	127.2	64.1	192.3





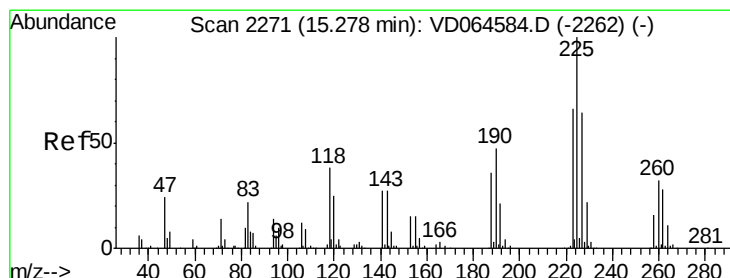
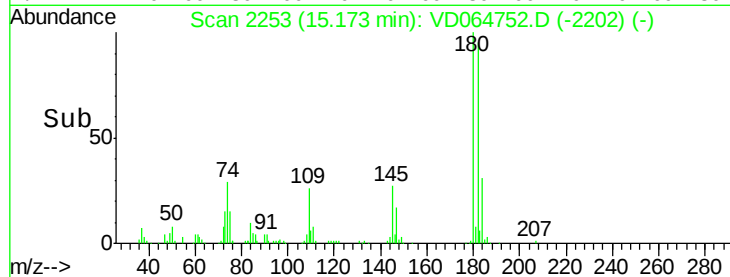
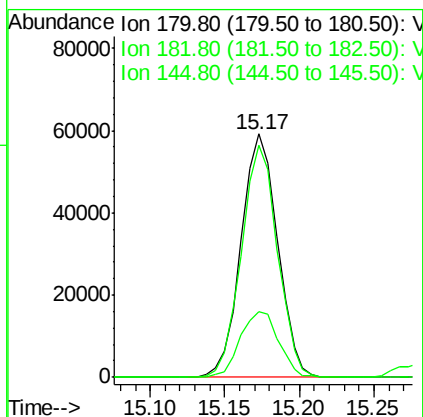
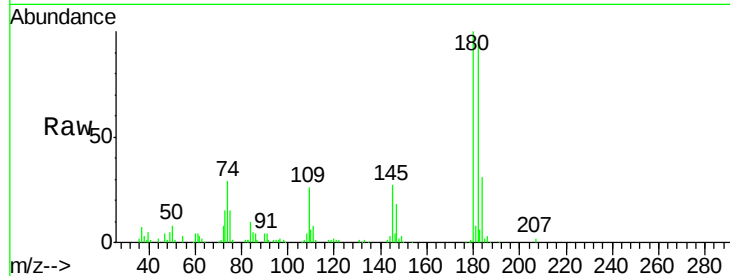
#93
 1,2,4-Trichlorobenzene
 Concen: 20.271 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0103SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	100374		
182	94.3	48.0	144.2	
145	28.3	13.8	41.4	

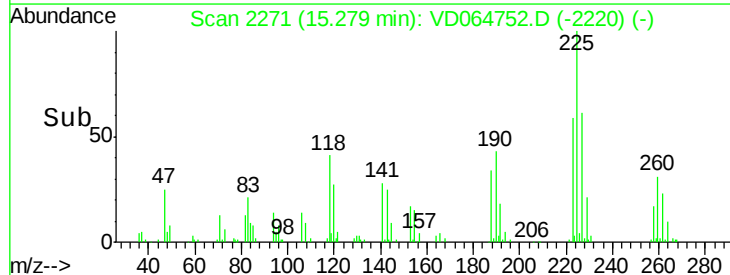
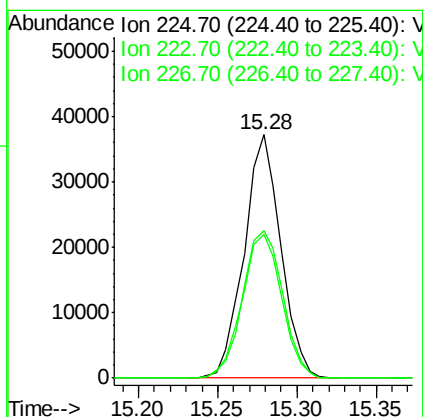
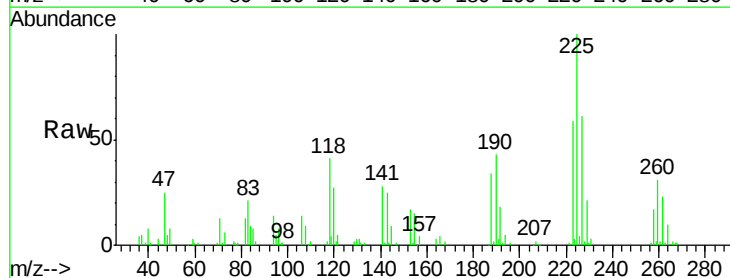
Manual Integrations
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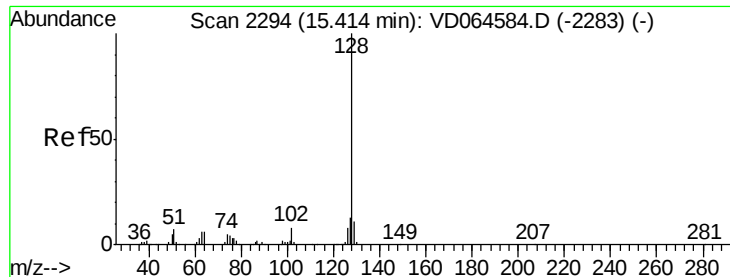
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#94
 Hexachlorobutadiene
 Concen: 19.224 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064752.D
 Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59901		
223	63.9	31.1	93.2	
227	66.4	30.9	92.7	





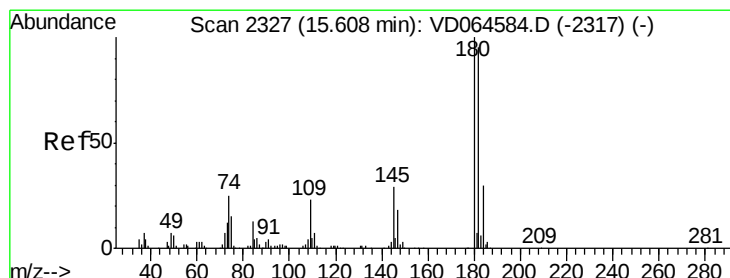
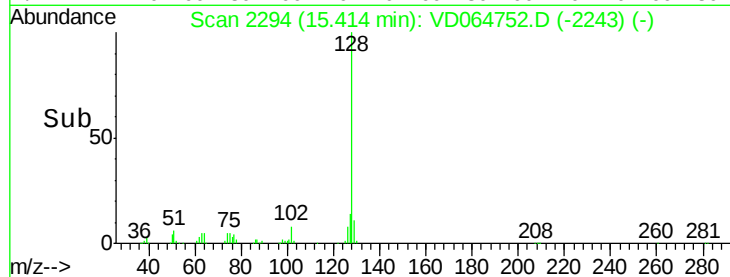
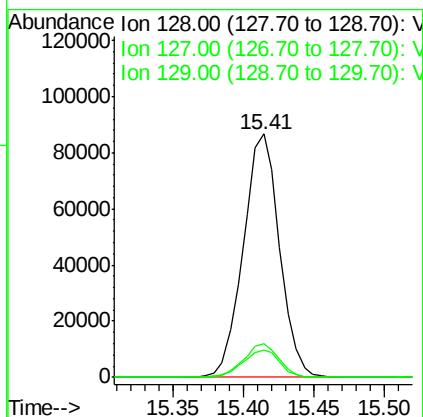
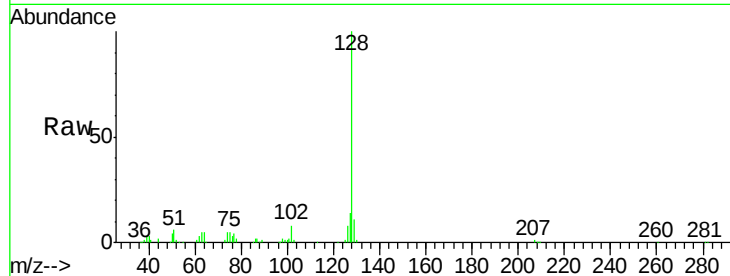
#95
Naphthalene
Concen: 19.914 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Instrument :
MSVOA_D
ClientSampleId :
VD0103SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	155999		
127	13.4	10.3	15.5	
129	11.3	8.5	12.7	

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#96
1,2,3-Trichlorobenzene
Concen: 20.774 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064752.D
Acq: 04 Jan 2020 01:06

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	87818		
182	94.3	47.9	143.7	
145	29.9	14.9	44.7	

