

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064451.D
 Acq On : 06 Dec 2019 11:38
 Operator : VA/SY
 Sample : VD1206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Manual Integrations
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 12/9/2019 2:03:46 PM

Quant Time: Dec 06 22:49:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	508288	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	733761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	642805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	313083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213222	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
35) Dibromofluoromethane	7.91	113	225432	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	10.34	98	862373	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.64	95	268747	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	98413	21.368	ug/l	99
3) Chloromethane	2.21	50	124324	21.402	ug/l	99
4) Vinyl Chloride	2.35	62	144318	21.517	ug/l	99
5) Bromomethane	2.76	94	95082	19.170	ug/l	93
6) Chloroethane	2.93	64	94093	20.989	ug/l	99
7) Trichlorofluoromethane	3.27	101	243585	21.846	ug/l	97
8) Diethyl Ether	3.70	74	47331	20.428	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	102568	21.454	ug/l	98
10) Methyl Iodide	4.30	142	105183	20.834	ug/l	94
11) Tert butyl alcohol	5.24	59	27518	93.963	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	101818	22.224	ug/l	96
13) Acrolein	3.92	56	34869	87.291	ug/l	98
14) Allyl chloride	4.71	41	156076	21.829	ug/l	98
15) Acrylonitrile	5.43	53	97366	96.099	ug/l	99
16) Acetone	4.16	43	92551	99.547	ug/l	97
17) Carbon Disulfide	4.40	76	312286	21.522	ug/l	97
18) Methyl Acetate	4.72	43	52898	19.506	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	215027	20.461	ug/l	100
20) Methylene Chloride	4.96	84	112445	21.246	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110123	21.250	ug/l	96
22) Diisopropyl ether	6.37	45	291373	20.643	ug/l	96
23) Vinyl Acetate	6.31	43	827668	99.465	ug/l	100
24) 1,1-Dichloroethane	6.26	63	179538	21.151	ug/l	97
25) 2-Butanone	7.22	43	122162	92.912	ug/l	98
26) 2,2-Dichloropropane	7.20	77	165627	22.436	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	116968	20.703	ug/l	98
28) Bromochloromethane	7.55	49	40945	14.114	ug/l	96
29) Tetrahydrofuran	7.57	42	75316	90.035	ug/l	97
30) Chloroform	7.71	83	185420	21.092	ug/l	99
31) Cyclohexane	7.98	56	178914	21.529	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	173909	21.338	ug/l	100
36) 1,1-Dichloropropene	8.11	75	153531	22.121	ug/l	98
37) Ethyl Acetate	7.30	43	59173	20.093	ug/l	100
38) Carbon Tetrachloride	8.09	117	160155	21.864	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	188236	21.864	ug/l	98
40) Benzene	8.35	78	406853	21.106	ug/l	98
41) Methacrylonitrile	7.53	41	29168	17.271	ug/l #	83
42) 1,2-Dichloroethane	8.43	62	114860	20.432	ug/l	100
43) Isopropyl Acetate	8.45	43	112752	19.473	ug/l	100
44) Trichloroethene	9.11	130	123986	21.353	ug/l	97
45) 1,2-Dichloropropane	9.39	63	96071	20.839	ug/l	98
46) Dibromomethane	9.48	93	52621	20.224	ug/l	98
47) Bromodichloromethane	9.66	83	140539	21.021	ug/l	98
48) Methyl methacrylate	9.46	41	57838	21.829	ug/l	87
49) 1,4-Dioxane	9.47	88	12675	394.492	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	278633	97.254	ug/l	100
52) Toluene	10.40	92	268554	21.377	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	129457	20.318	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	155738	20.575	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	71804	20.154	ug/l	98
56) Ethyl methacrylate	10.66	69	90339	19.880	ug/l	99
57) 1,3-Dichloropropane	10.95	76	122689	20.230	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	182321	100.649	ug/l	100
59) 2-Hexanone	10.98	43	187557	94.345	ug/l	100
60) Dibromochloromethane	11.14	129	96995	20.079	ug/l	98
61) 1,2-Dibromoethane	11.25	107	69329	19.489	ug/l	100
64) Tetrachloroethene	10.88	164	104962	21.413	ug/l	99
65) Chlorobenzene	11.67	112	283050	21.112	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	105140	21.185	ug/l	98
67) Ethyl Benzene	11.75	91	507313	21.268	ug/l	99
68) m/p-Xylenes	11.86	106	391625	43.058	ug/l	99
69) o-Xylene	12.18	106	177184	21.093	ug/l	100
70) Styrene	12.20	104	303074	20.763	ug/l	100
71) Bromoform	12.36	173	57463	19.352	ug/l #	99
73) Isopropylbenzene	12.48	105	479284	21.285	ug/l	99
74) N-amyl acetate	12.29	43	98327	19.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73346	19.697	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	53055m	20.606	ug/l	
77) Bromobenzene	12.76	156	119801	21.545	ug/l	99
78) n-propylbenzene	12.83	91	565664	21.773	ug/l	100
79) 2-Chlorotoluene	12.91	91	306465	21.438	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	399376	21.704	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	24441	20.699	ug/l	97
82) 4-Chlorotoluene	13.01	91	322625	21.315	ug/l	99
83) tert-Butylbenzene	13.23	119	347716	21.736	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	385544	20.837	ug/l	99
85) sec-Butylbenzene	13.41	105	472903	21.539	ug/l	99
86) p-Isopropyltoluene	13.52	119	438273	21.143	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	217185	20.579	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	215643	20.696	ug/l	99
89) n-Butylbenzene	13.85	91	406001	21.568	ug/l	99
90) Hexachloroethane	14.12	117	82587	21.302	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	186921	20.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11893	18.626	ug/l	93

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Instrument :
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ClientSampleId :
VD1206SBS01

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Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	140004	20.268	ug/l	98
94) Hexachlorobutadiene	15.28	225	90272	21.169	ug/l	98
95) Naphthalene	15.41	128	226913	19.684	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	122422	20.762	ug/l	100

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

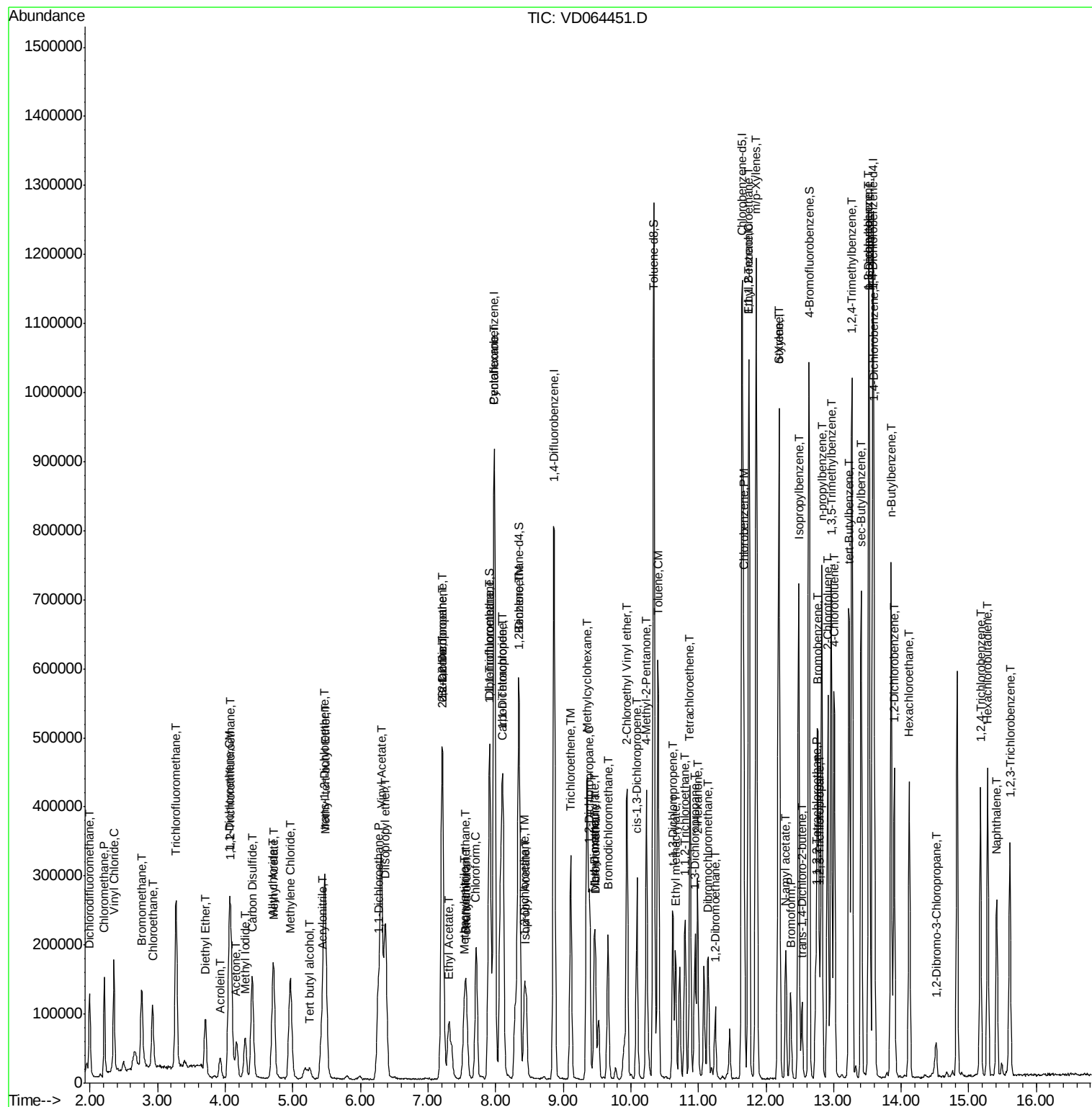
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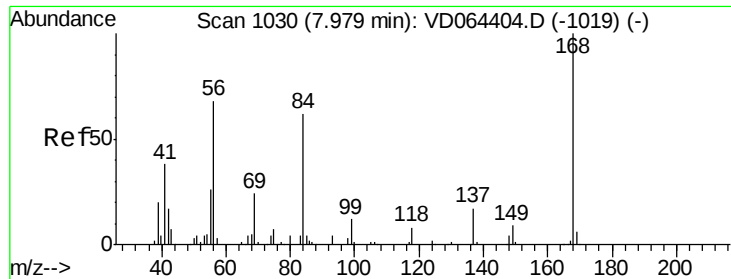
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:168 Resp: 508288

Ion Ratio Lower Upper

168 100

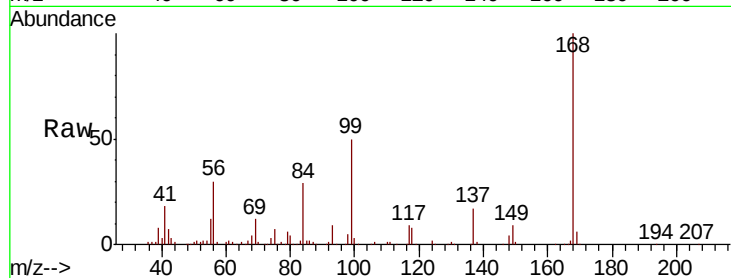
99 49.8 40.7 61.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

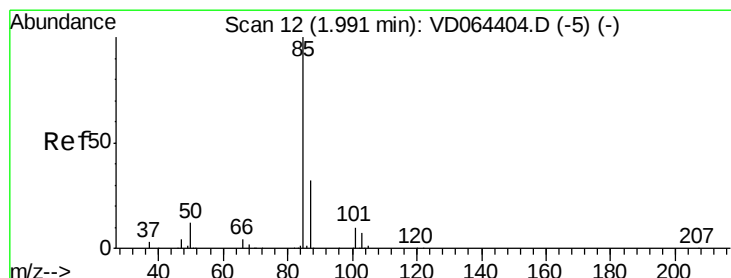
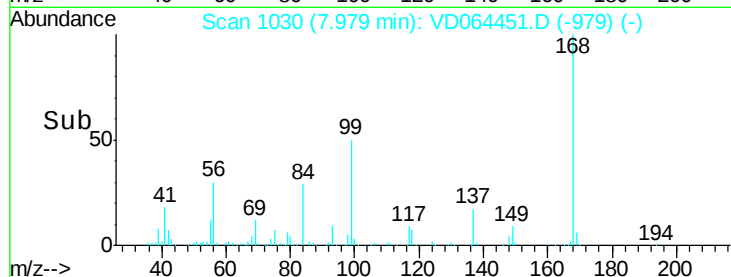
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.368 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064451.D

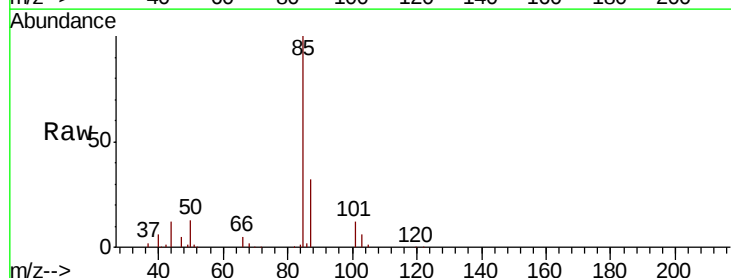
Acq: 06 Dec 2019 11:38

Tgt Ion: 85 Resp: 98413

Ion Ratio Lower Upper

85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

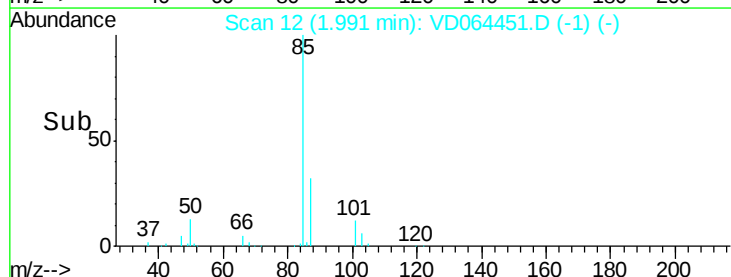
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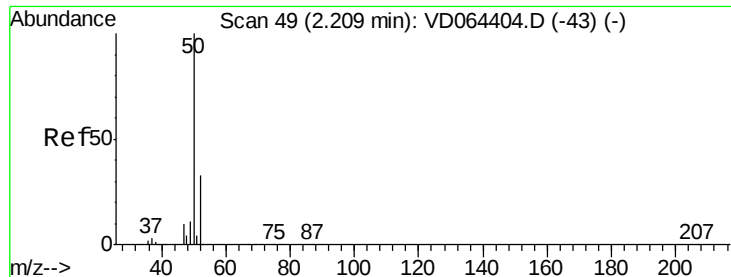
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0

1.90 2.00 2.10

Time-->





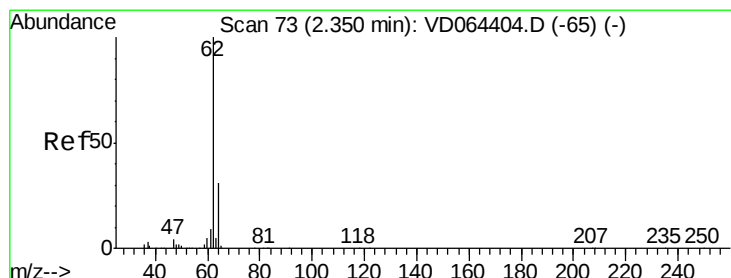
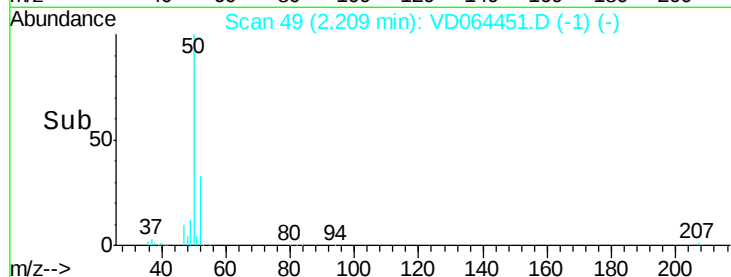
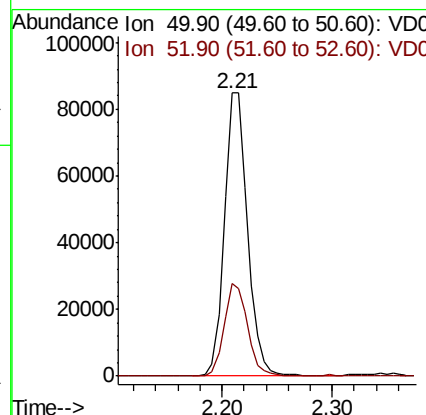
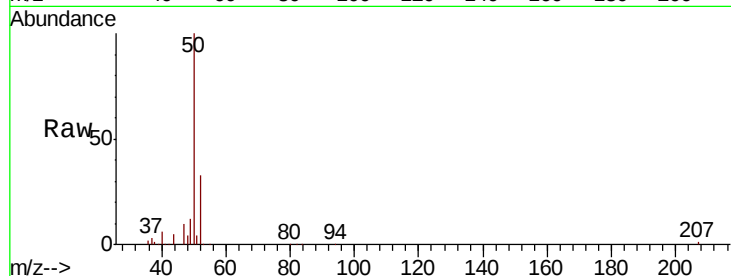
#3
Chloromethane
Concen: 21.402 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.7	40.1

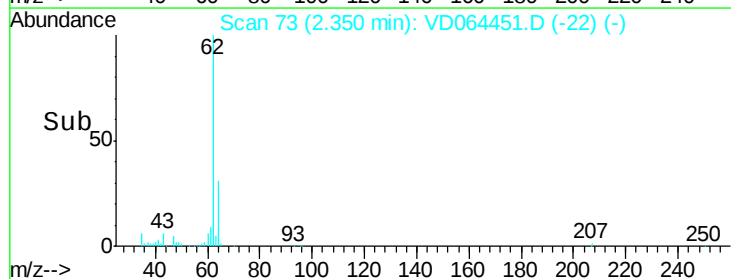
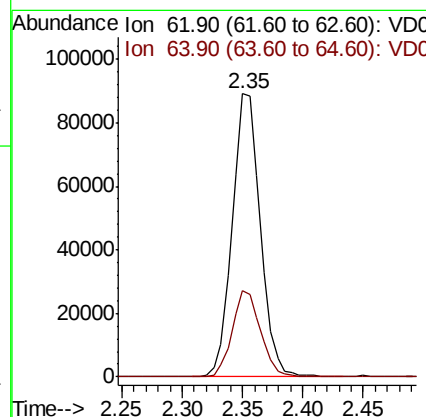
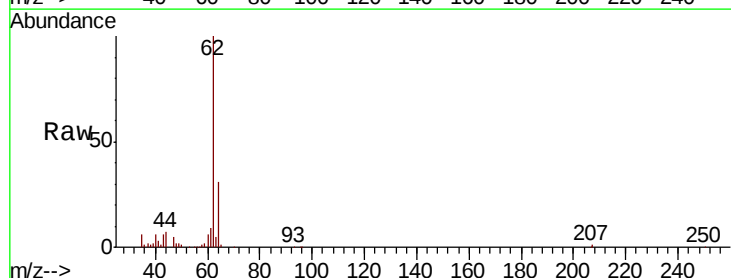
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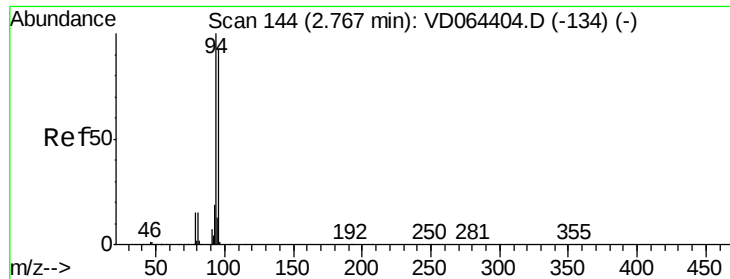
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#4
Vinyl Chloride
Concen: 21.517 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.7	25.0	37.4





#5

Bromomethane

Concen: 19.170 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 94 Resp: 95082

Ion Ratio Lower Upper

94 100

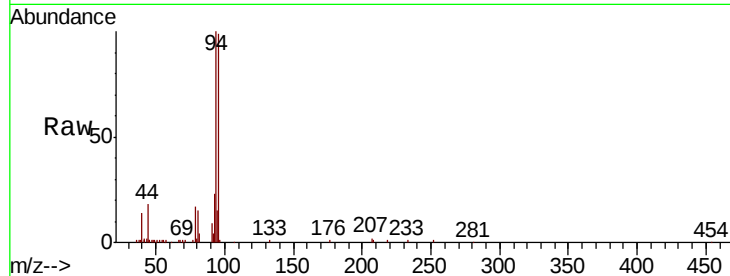
96 98.3 73.6 110.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

40000

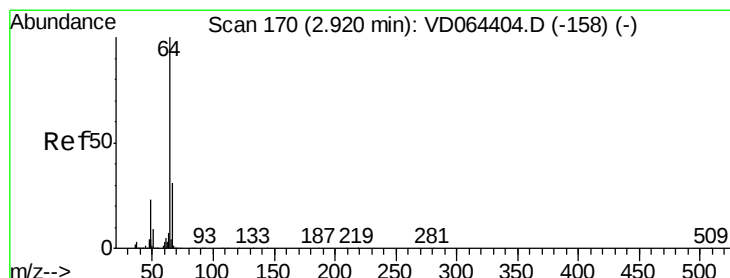
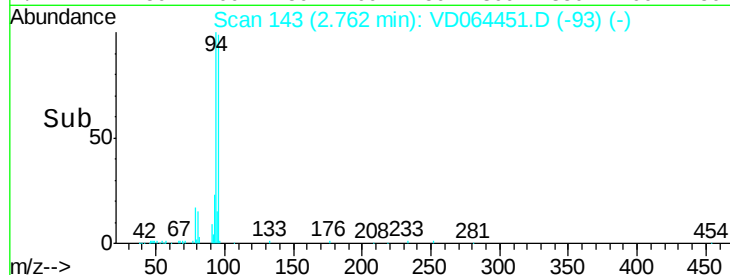
30000

20000

10000

0

Time--> 2.60 2.70 2.80 2.90



#6

Chloroethane

Concen: 20.989 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064451.D

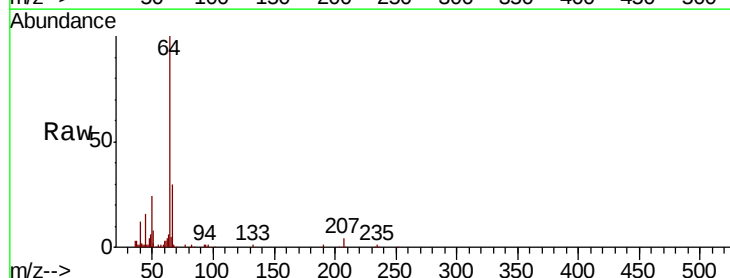
Acq: 06 Dec 2019 11:38

Tgt Ion: 64 Resp: 94093

Ion Ratio Lower Upper

64 100

66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

50000

40000

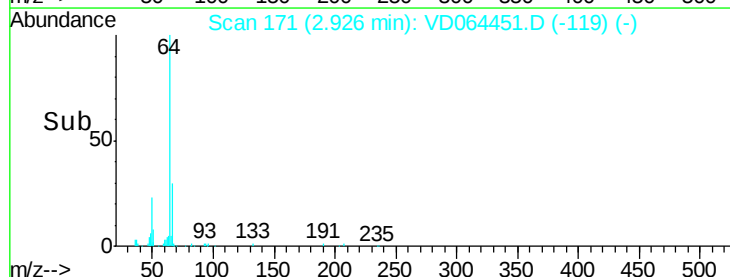
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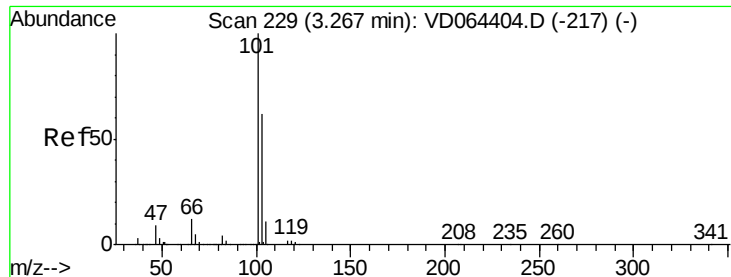
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10000

0

Time--> 2.80 2.90 3.00





#7

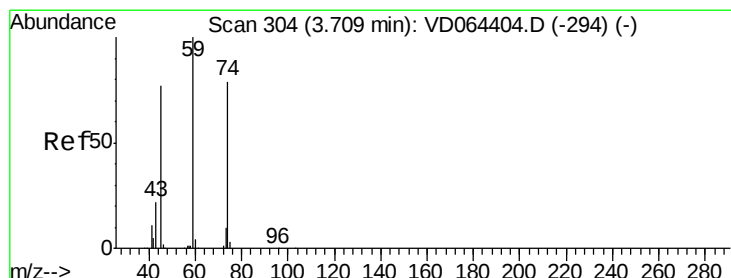
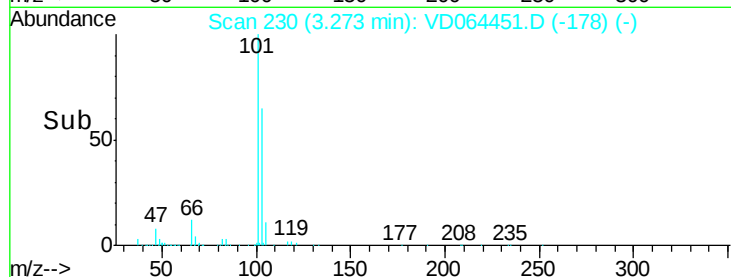
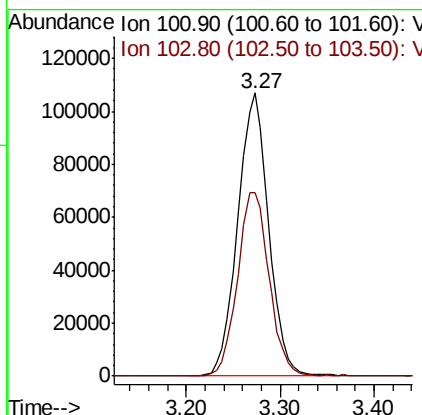
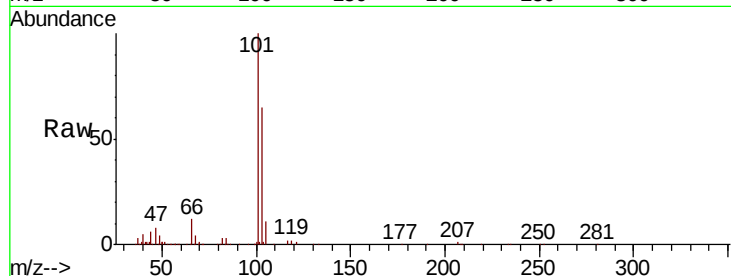
Trichlorofluoromethane
Concen: 21.846 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.8	74.6

Manual Integrations
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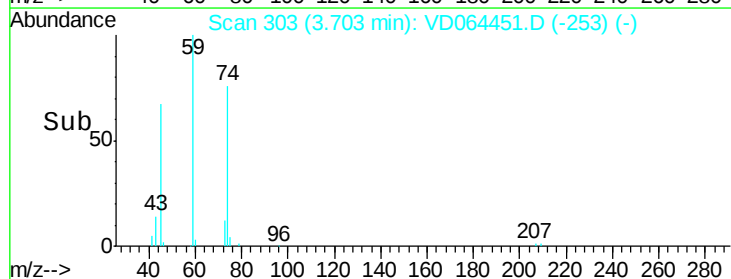
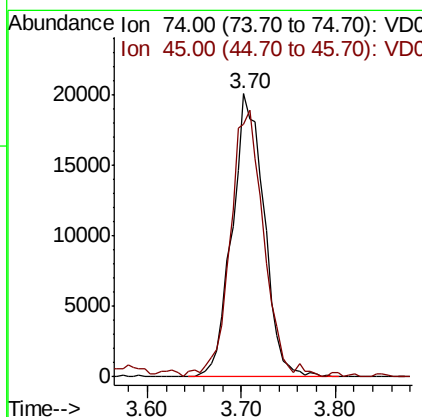
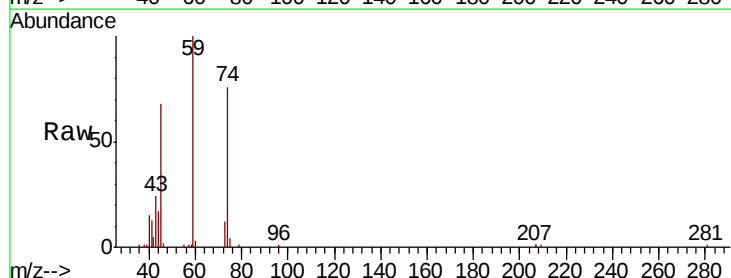
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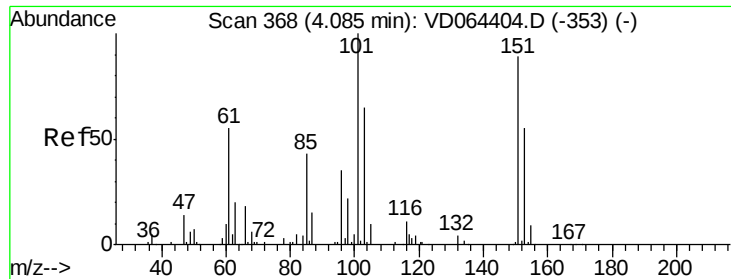


#8

Diethyl Ether
Concen: 20.428 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.454 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

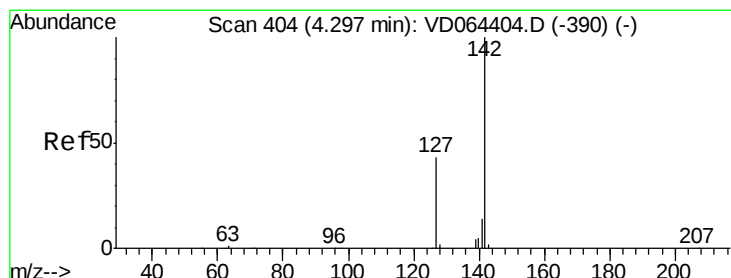
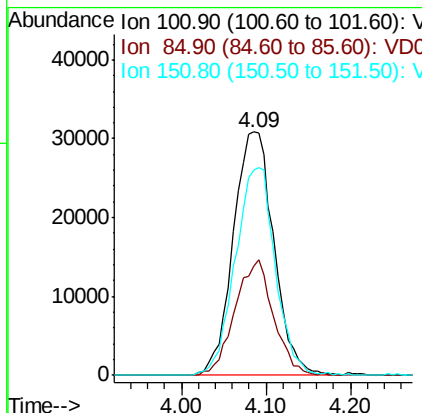
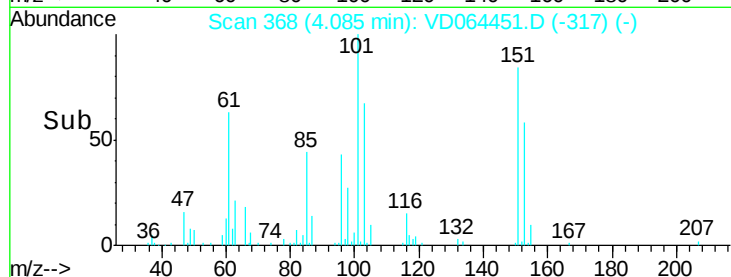
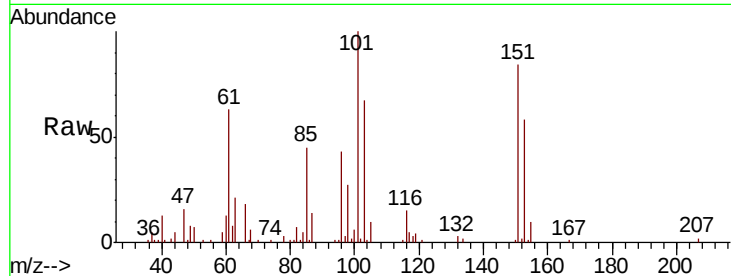
ClientSampleId :

VD1206SBS01

Tot Ion:	101	Resp:	102568
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.8	52.2
151	84.3	68.8	103.2

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#10

Methyl Iodide

Concen: 20.834 ug/l

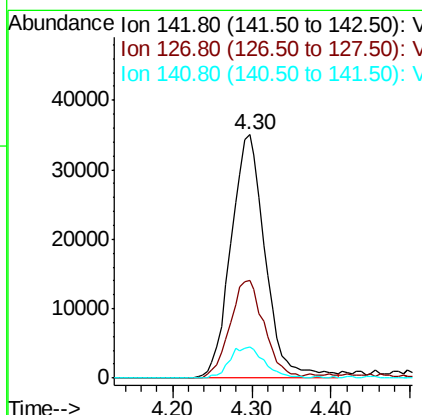
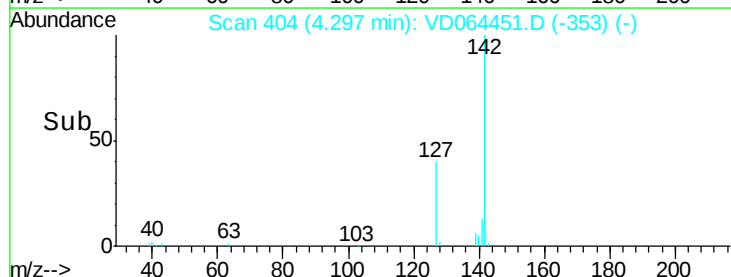
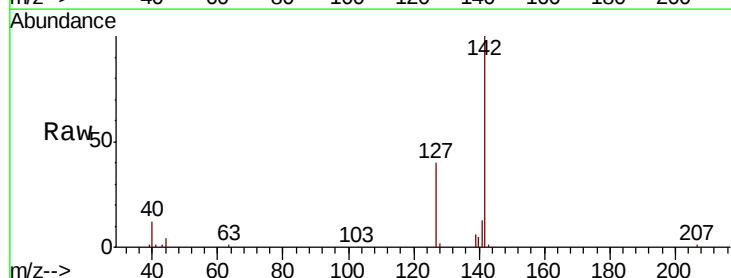
RT: 4.30 min Scan# 404

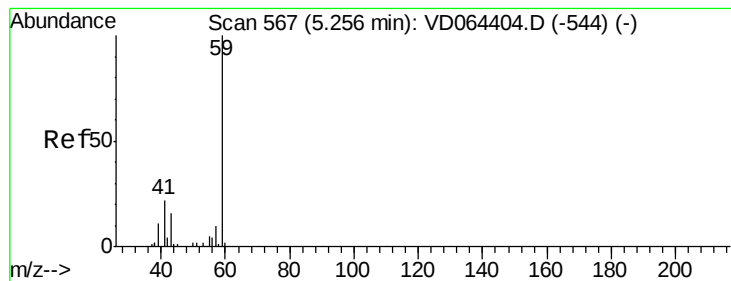
Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion:	142	Resp:	105183
Ion Ratio	Lower	Upper	
142	100		
127	40.0	35.3	52.9
141	13.0	11.6	17.4





#11

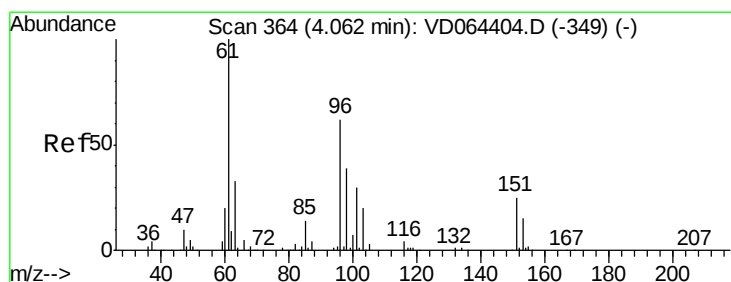
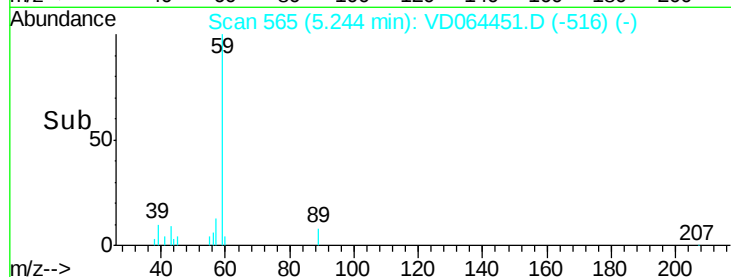
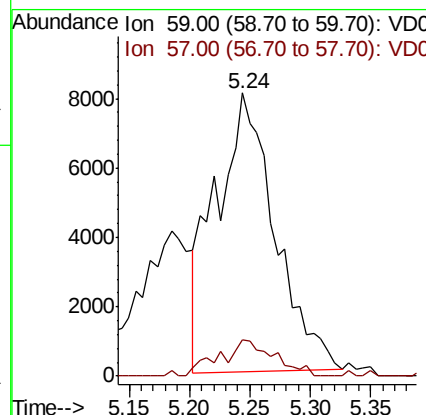
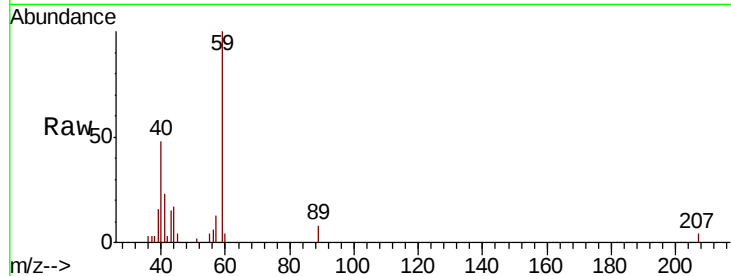
Tert butyl alcohol
Concen: 93.963 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 59 Resp: 27518
Ion Ratio Lower Upper
59 100
57 12.0 0.0 0.0#

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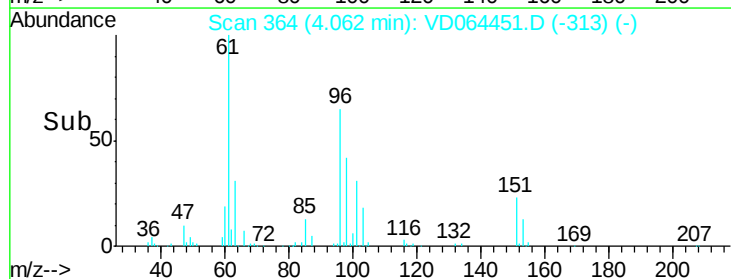
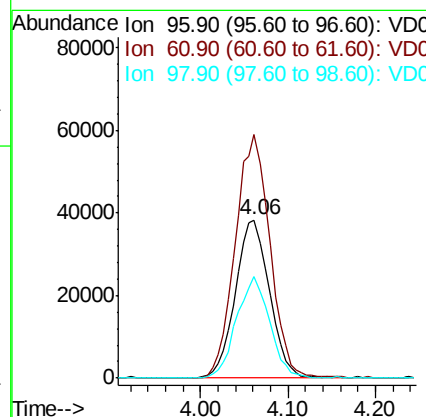
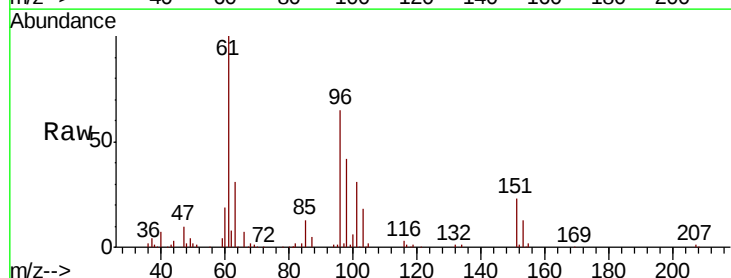
apatel
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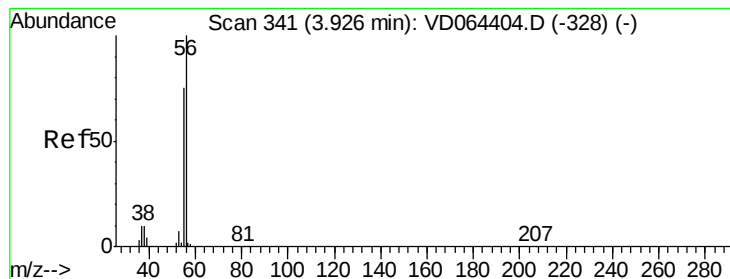


#12

1,1-Dichloroethene
Concen: 22.224 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion: 96 Resp: 101818
Ion Ratio Lower Upper
96 100
61 154.3 128.2 192.4
98 64.7 50.4 75.6





#13

Acrolein

Concen: 87.291 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 56 Resp: 34869

Ion Ratio Lower Upper

56 100

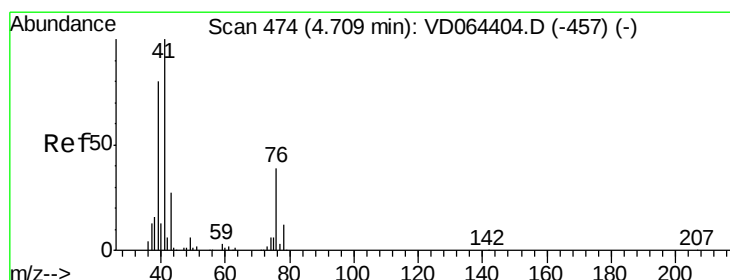
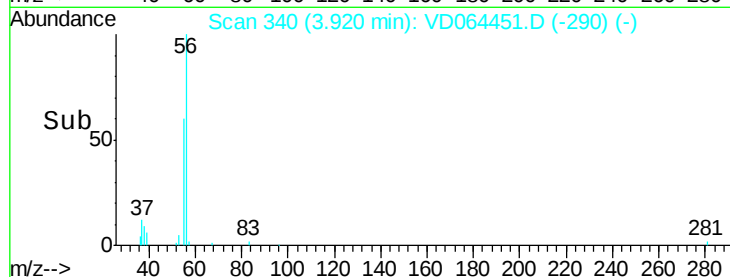
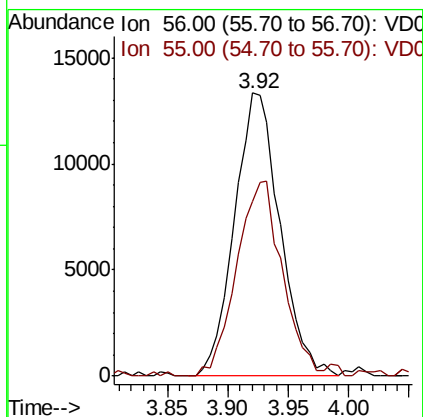
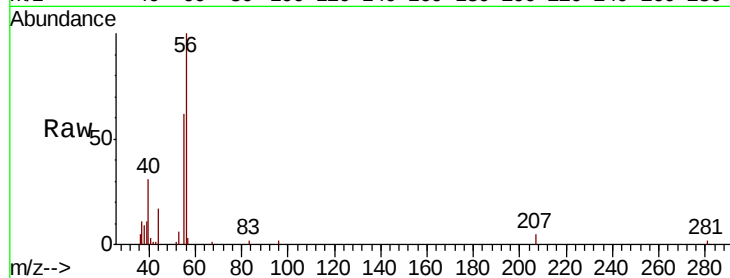
55 69.3 56.9 85.3

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#14

Allyl chloride

Concen: 21.829 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

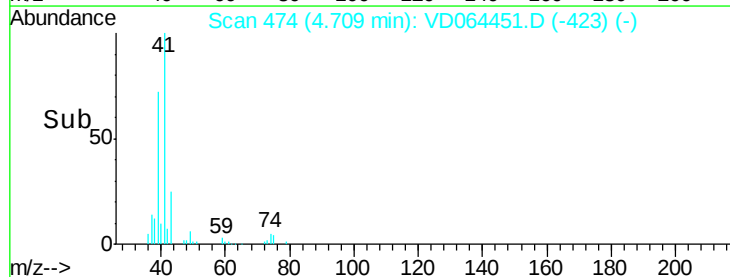
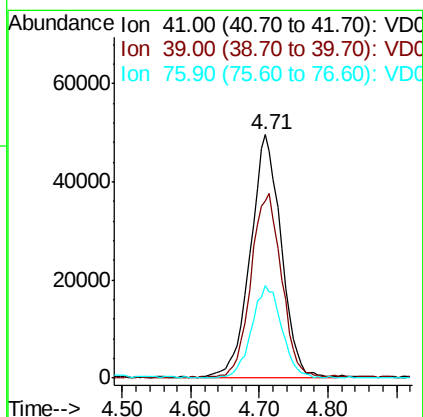
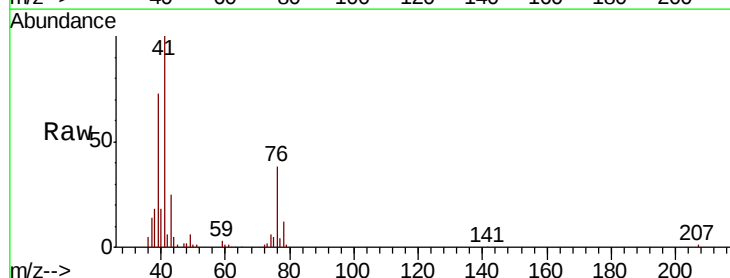
Tgt Ion: 41 Resp: 156076

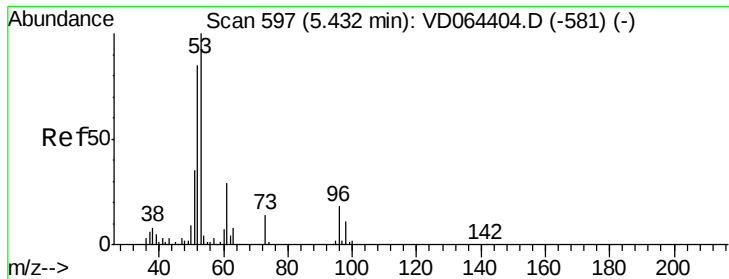
Ion Ratio Lower Upper

41 100

39 75.4 62.1 93.1

76 37.0 29.8 44.8





#15

Acrylonitrile

Concen: 96.099 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

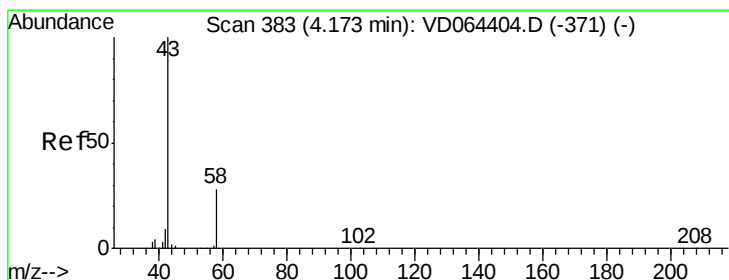
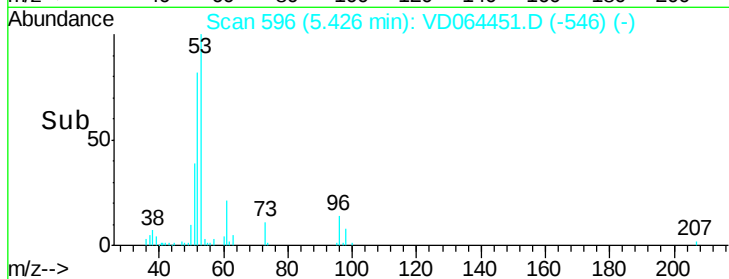
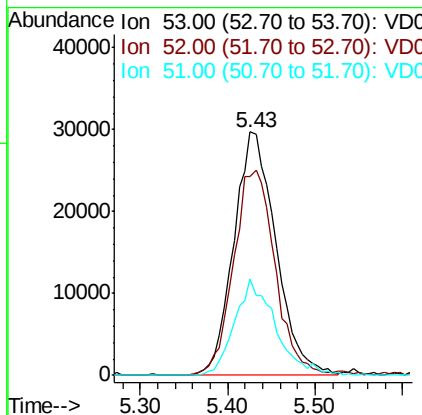
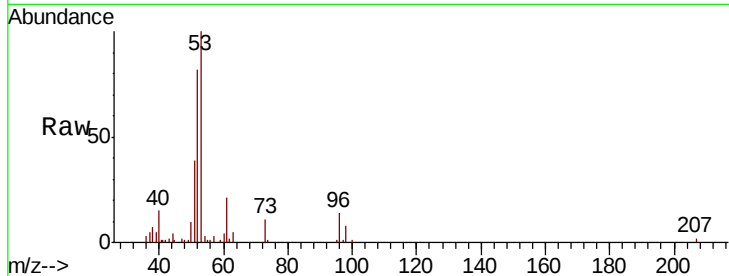
ClientSampleId :

VD1206SBS01

Tot Ion:	53	Resp:	97366
Ion	Ratio	Lower	Upper
53	100		
52	83.1	67.9	101.9
51	38.3	30.6	45.8

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#16

Acetone

Concen: 99.547 ug/l

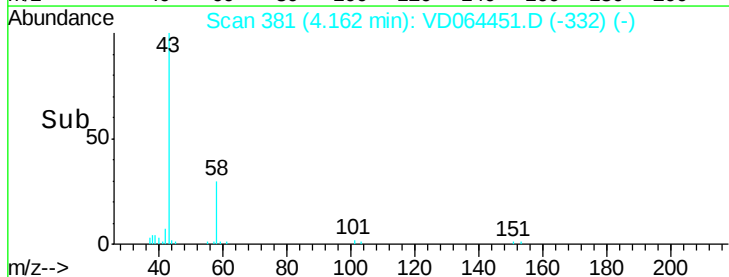
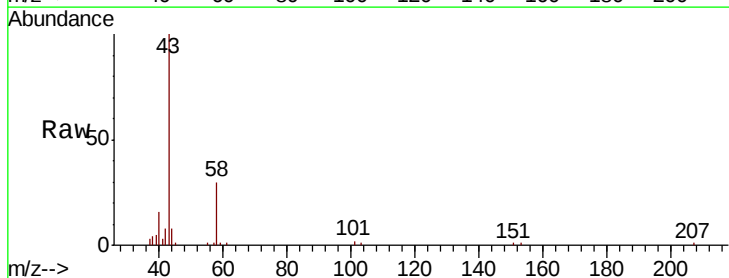
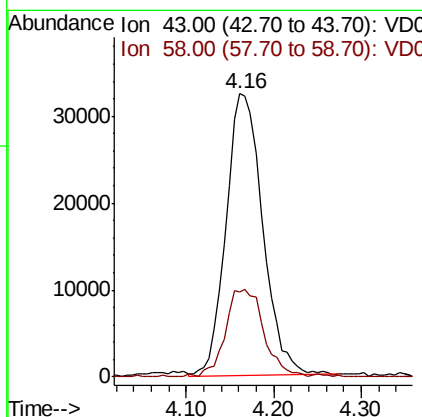
RT: 4.16 min Scan# 381

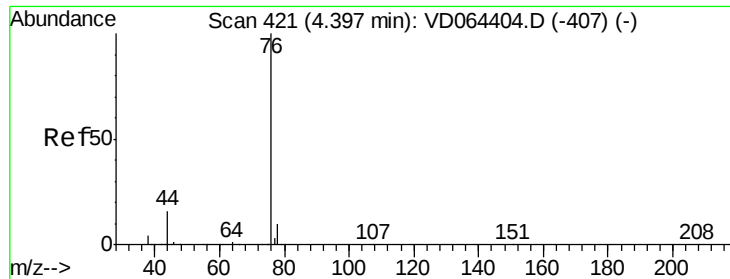
Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion:	43	Resp:	92551
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.6	33.8





#17

Carbon Disulfide

Concen: 21.522 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 76 Resp: 312286

Ion Ratio Lower Upper

76 100

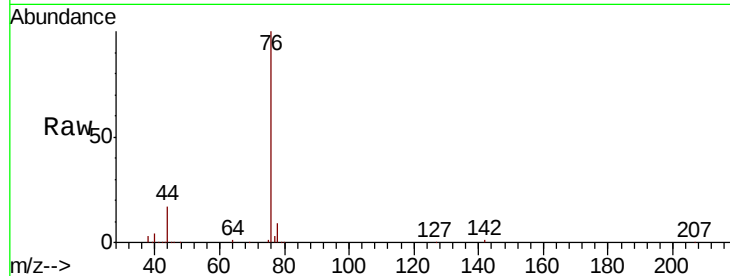
78 8.8 7.8 11.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

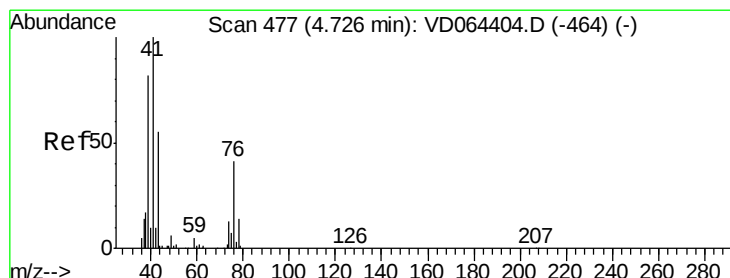
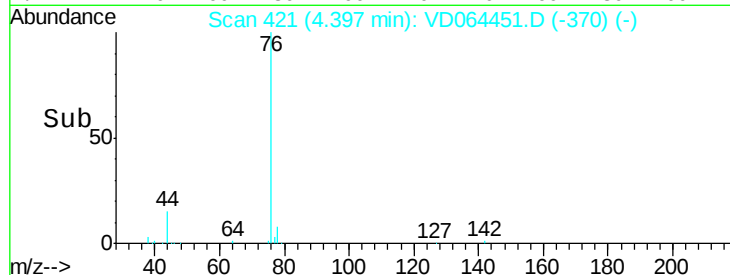
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 19.506 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD064451.D

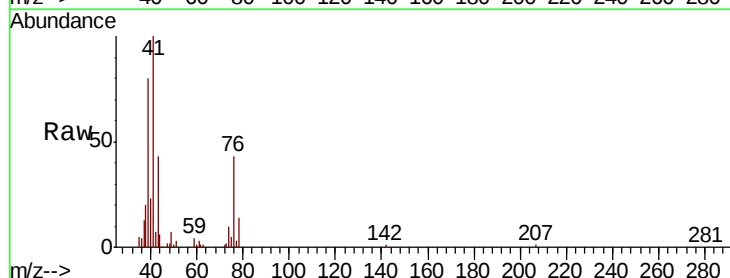
Acq: 06 Dec 2019 11:38

Tgt Ion: 43 Resp: 52898

Ion Ratio Lower Upper

43 100

74 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

20000

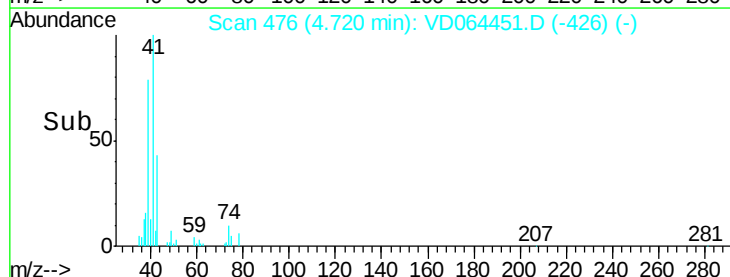
15000

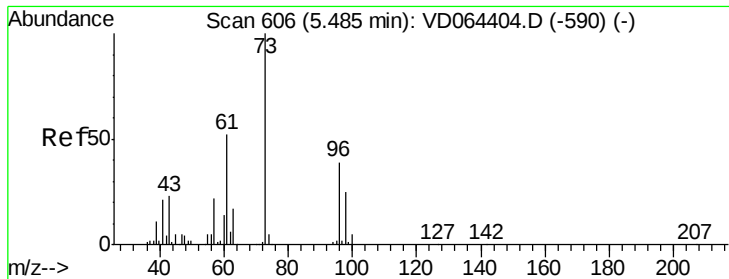
10000

5000

0

Time-->





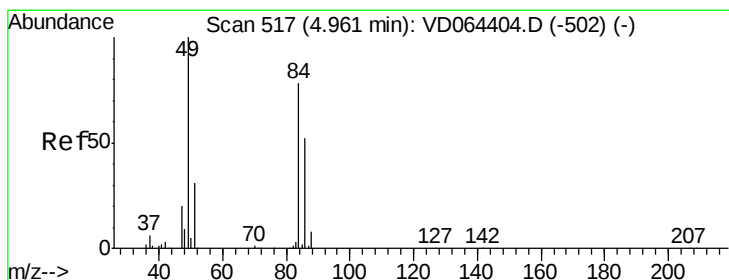
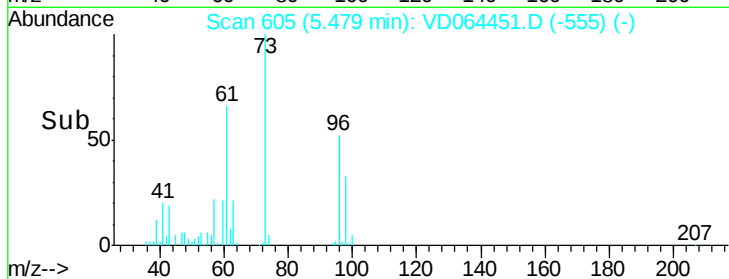
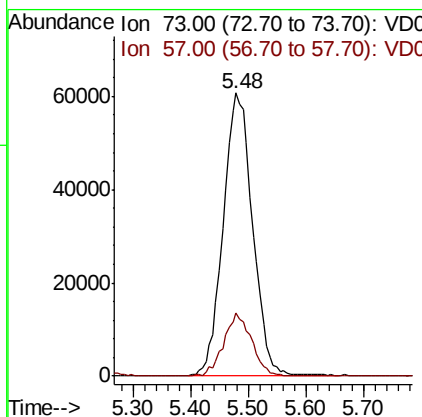
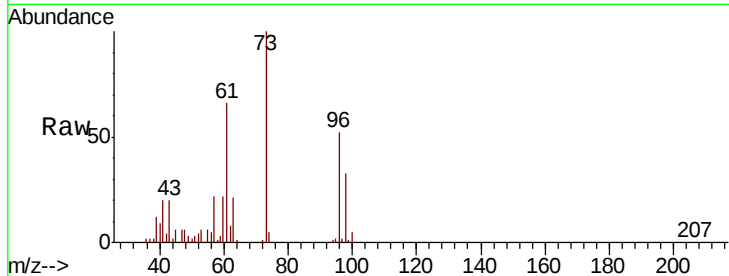
#19
Methvl tert-butvl Ether
Concen: 20.461 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 73 Resp: 215027
Ion Ratio Lower Upper
73 100
57 22.1 17.6 26.4

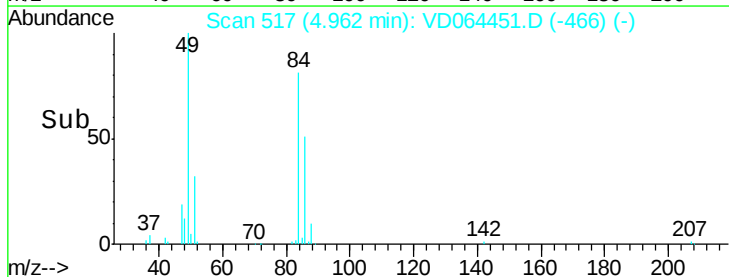
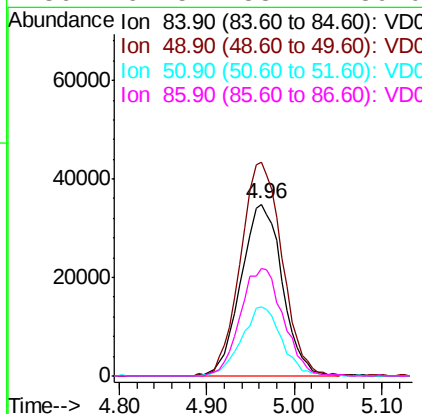
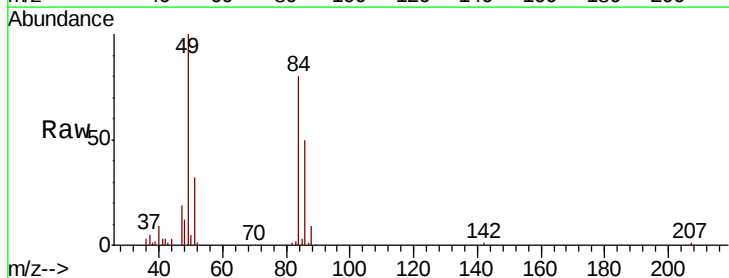
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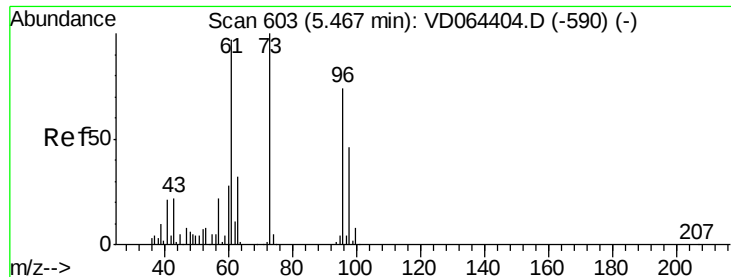
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#20
Methylene Chloride
Concen: 21.246 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion: 84 Resp: 112445
Ion Ratio Lower Upper
84 100
49 124.4 102.6 153.8
51 40.1 32.0 48.0
86 62.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.250 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

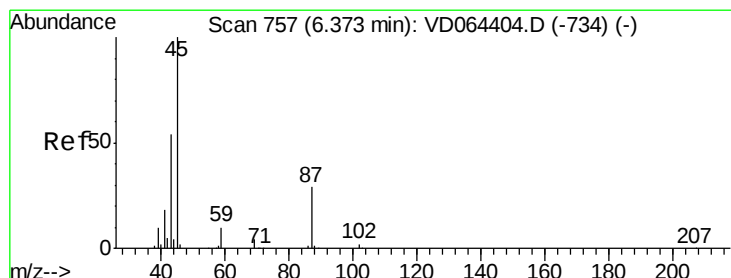
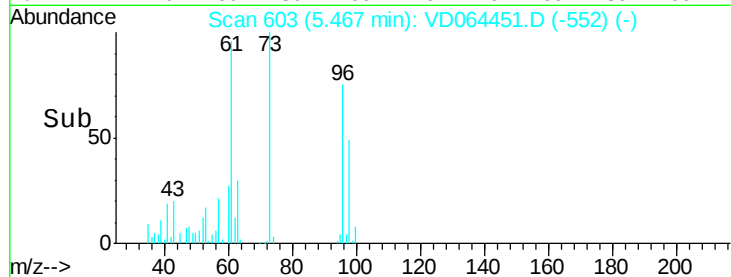
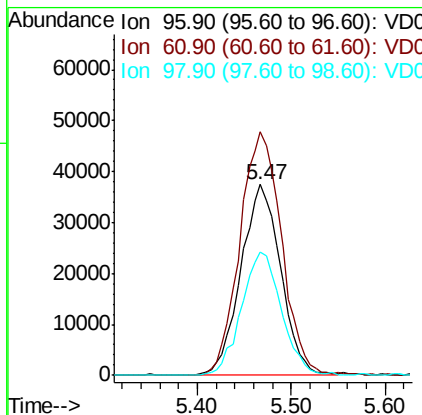
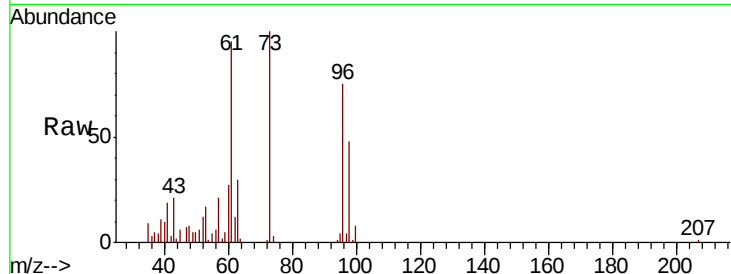
ClientSampleId :

VD1206SBS01

Tot Ion:	96	Resp:	110123
Ion	Ratio	Lower	Upper
96	100		
61	127.6	105.8	158.6
98	64.7	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.643 ug/l

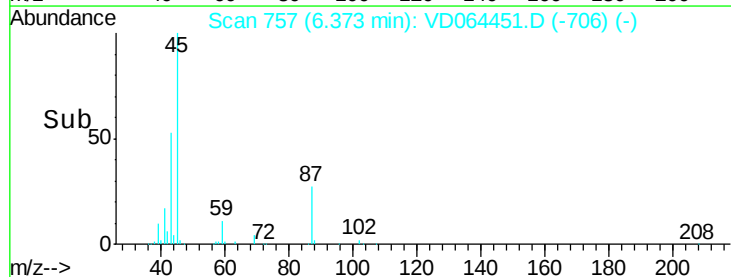
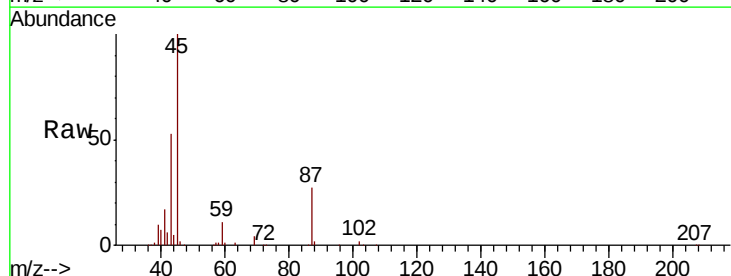
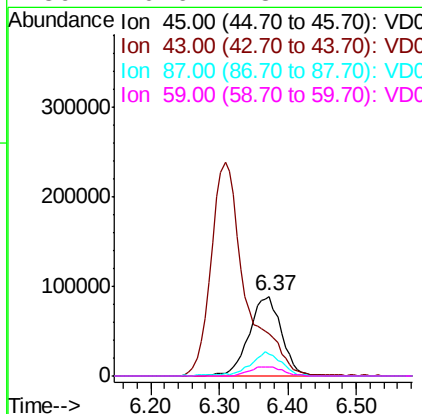
RT: 6.37 min Scan# 757

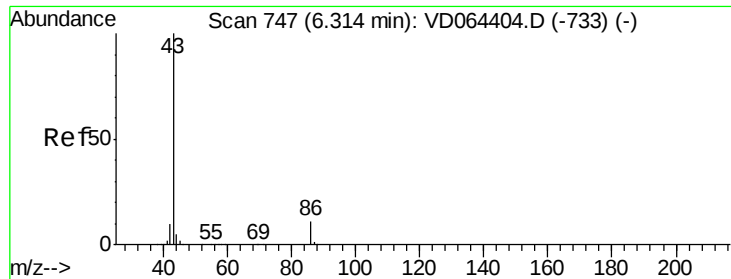
Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion:	45	Resp:	291373
Ion	Ratio	Lower	Upper
45	100		
43	51.6	43.1	64.7
87	26.7	23.5	35.3
59	10.6	8.2	12.2





#23

Vinyl Acetate

Concen: 99.465 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 827668

Ion Ratio Lower Upper

43 100

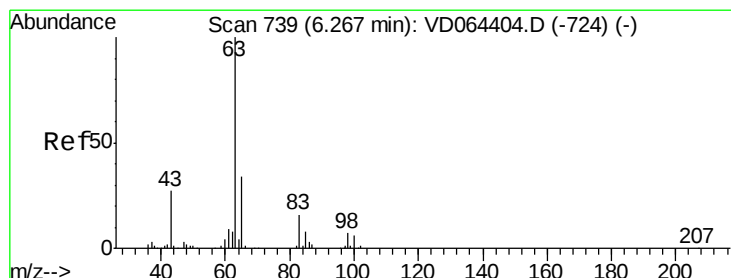
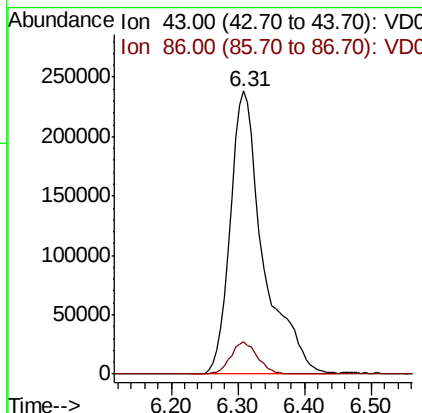
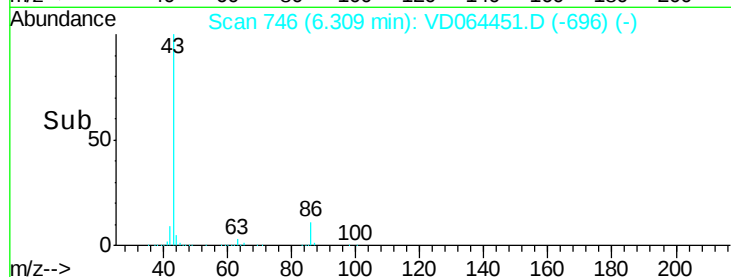
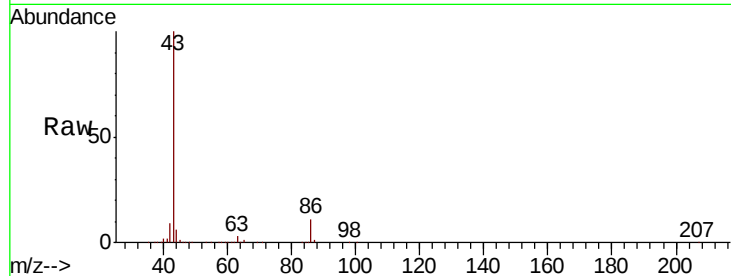
86 11.3 8.9 13.3

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#24

1,1-Dichloroethane

Concen: 21.151 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

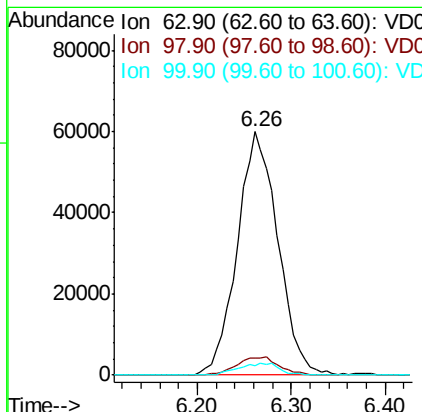
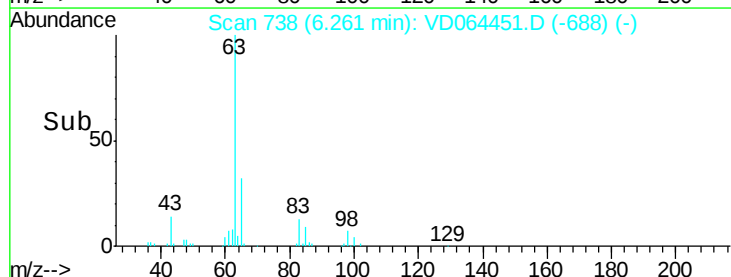
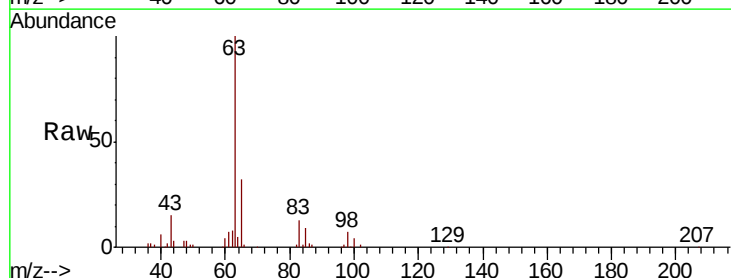
Tgt Ion: 63 Resp: 179538

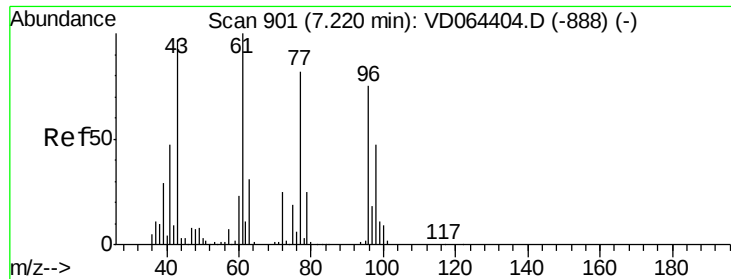
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 3.8 2.9 8.6





#25

2-Butanone

Concen: 92.912 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampled :

VD1206SBS01

Tot Ion: 43 Resp: 122162

Ion Ratio Lower Upper

43 100

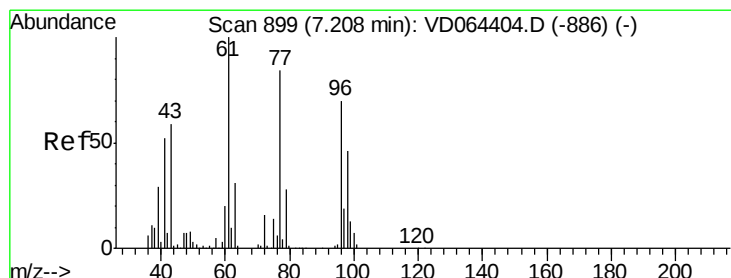
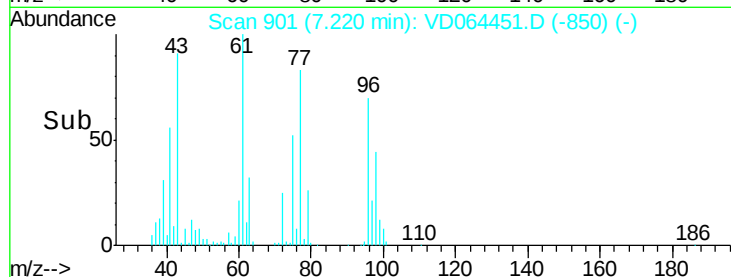
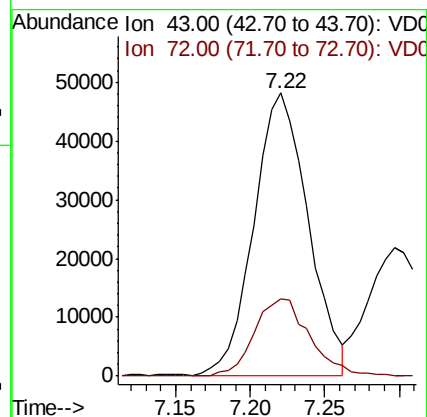
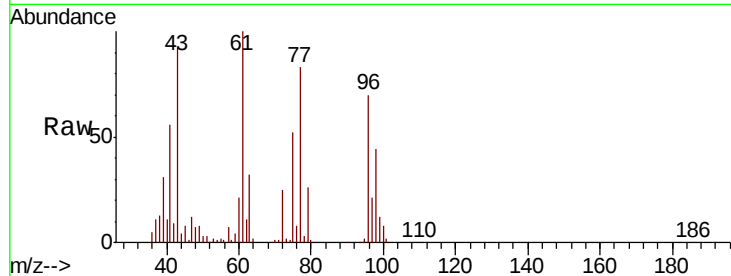
72 27.3 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.436 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064451.D

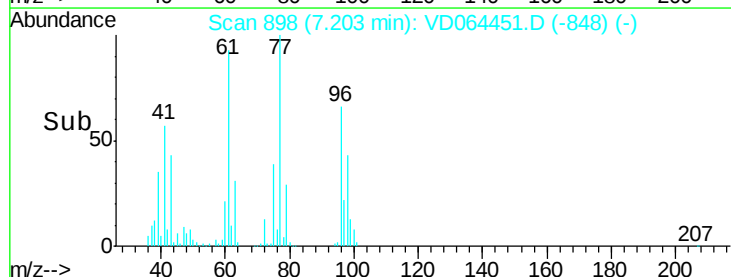
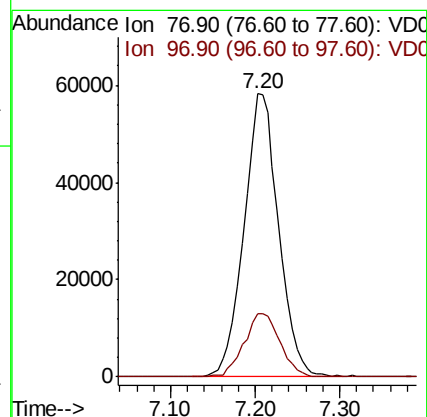
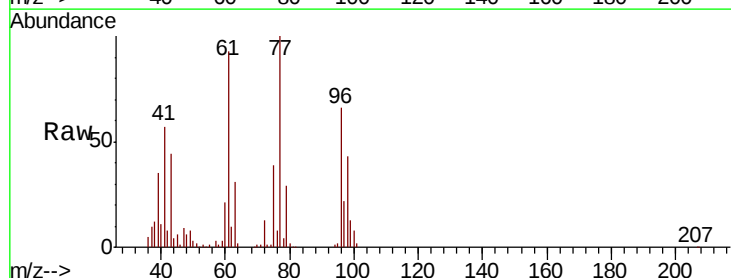
Acq: 06 Dec 2019 11:38

Tgt Ion: 77 Resp: 165627

Ion Ratio Lower Upper

77 100

97 23.1 11.6 34.7





#27

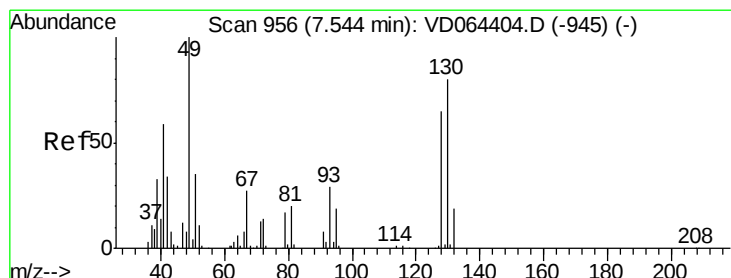
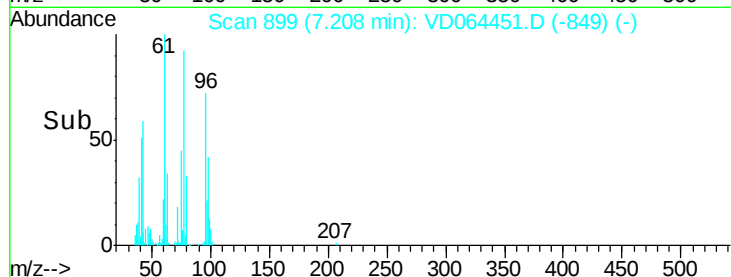
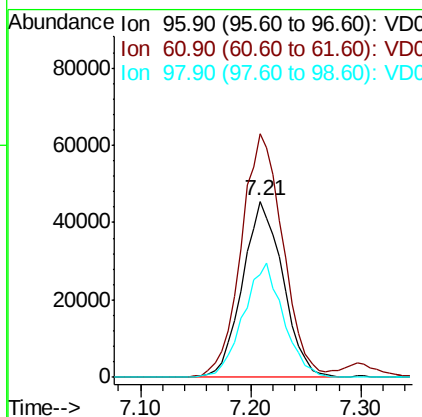
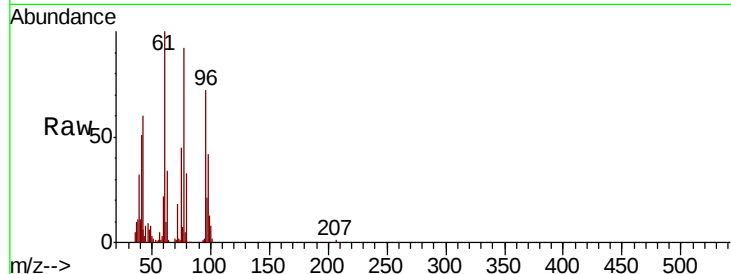
cis-1,2-Dichloroethene
Concen: 20.703 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	142.6	0.0	279.6		
98	64.4	0.0	129.2		

Manual Integrations
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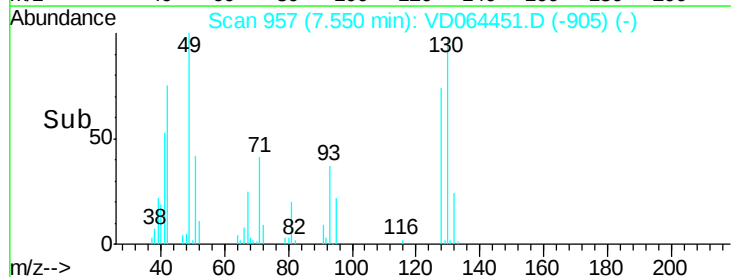
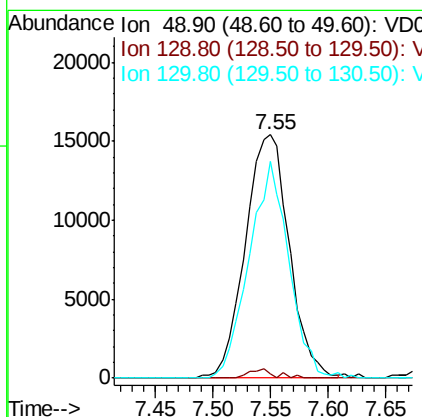
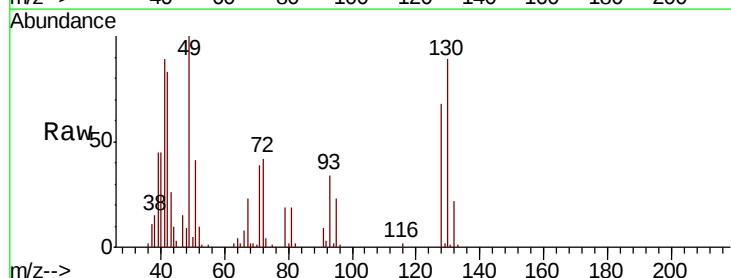
apatel
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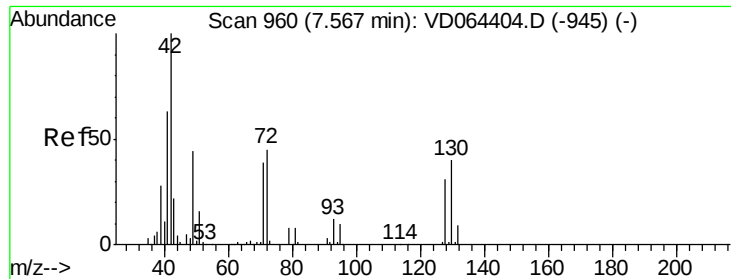


#28

Bromochloromethane
Concen: 14.114 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.7	0.0	4.4		
130	80.4	67.4	101.0		





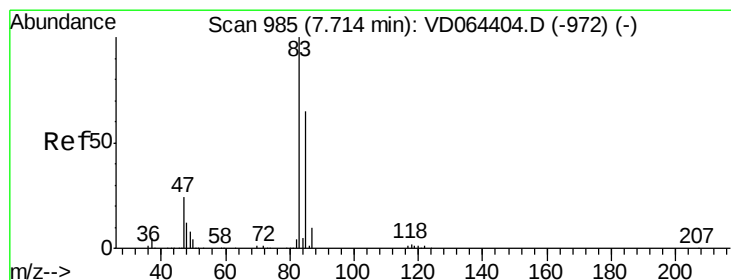
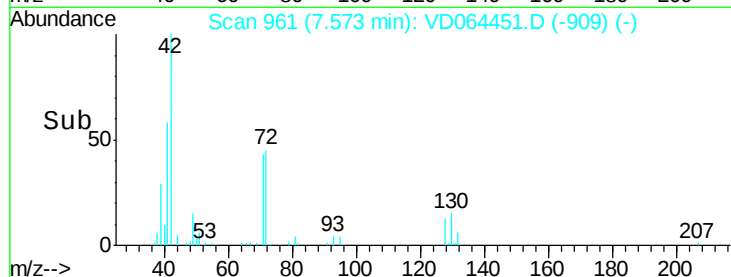
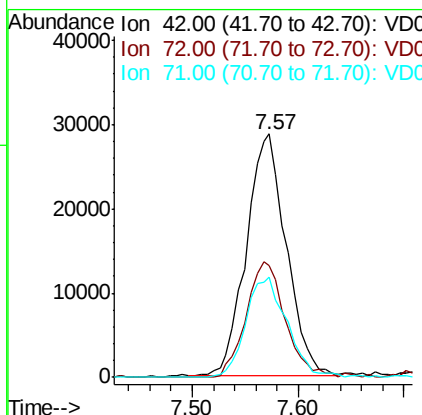
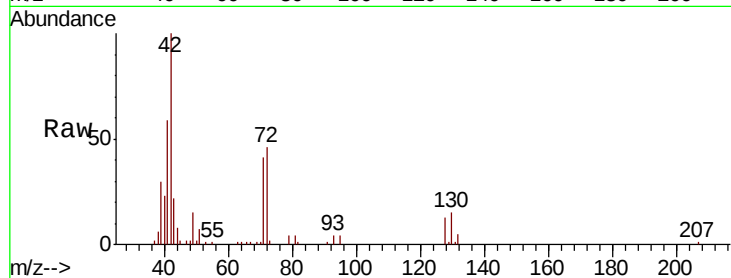
#29
Tetrahydrofuran
Concen: 90.035 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	35.8	53.8
71	42.5	32.7	49.1

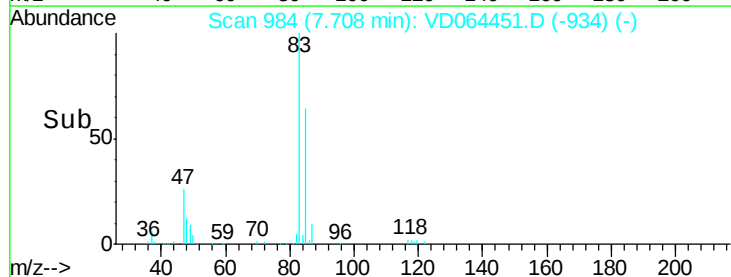
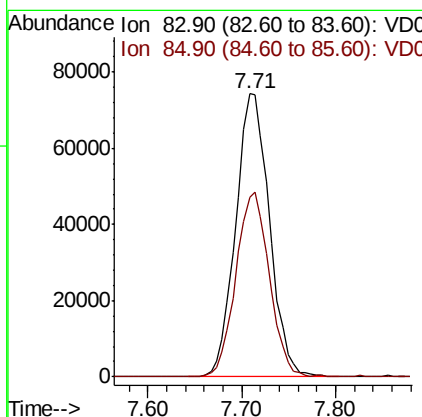
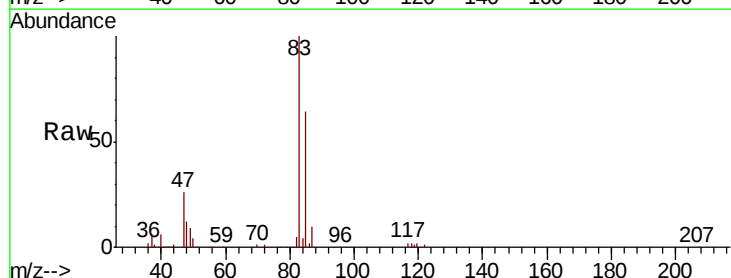
Manual Integrations
APPROVED

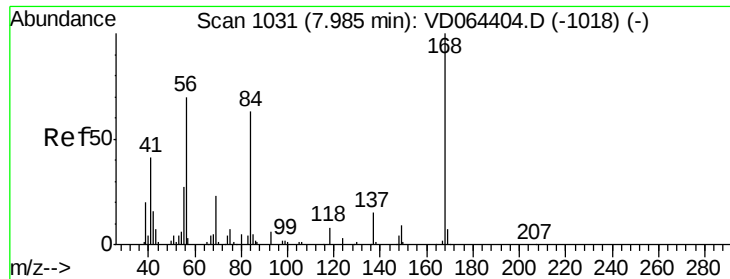
apatel
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#30
Chloroform
Concen: 21.092 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.8	77.6





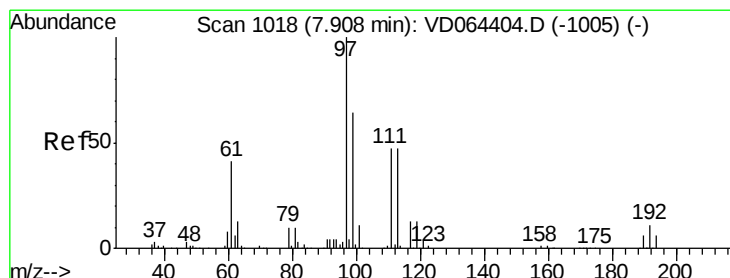
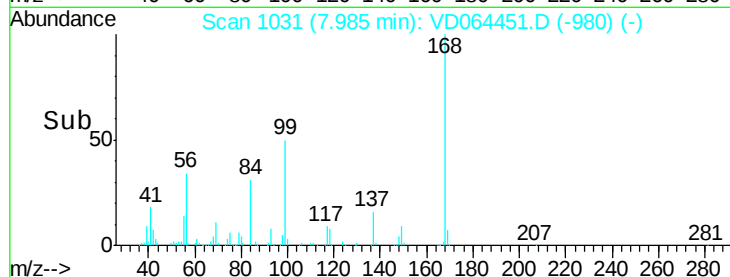
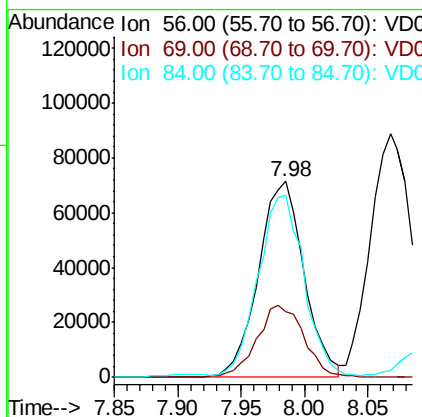
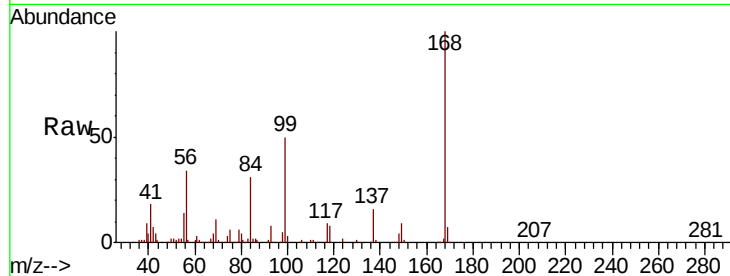
#31
Cyclohexane
Concen: 21.529 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	26.2	39.4
84	91.4	70.3	105.5

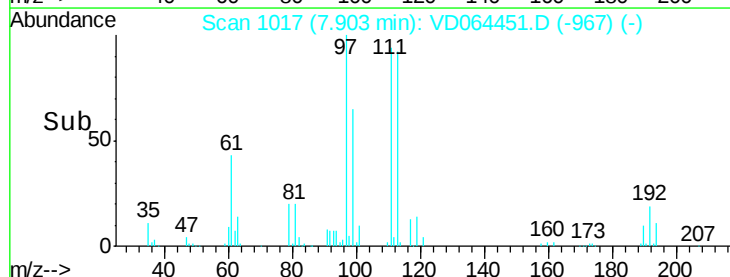
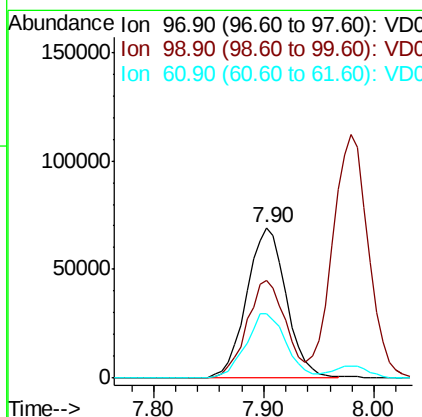
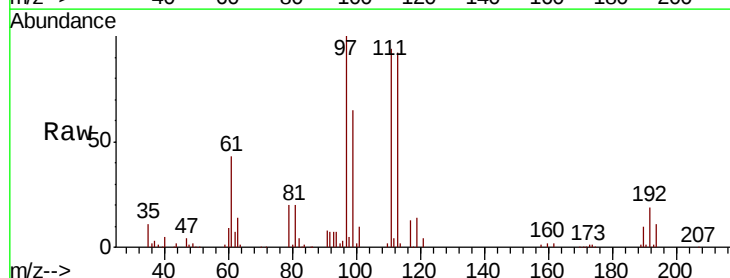
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 21.338 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.4	77.2
61	43.9	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 46.345 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 65 Resp: 213222

Ion Ratio Lower Upper

65 100

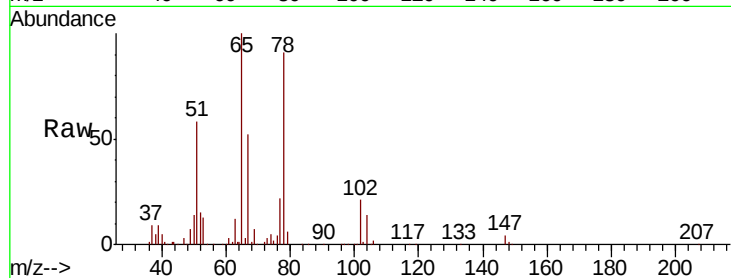
67 53.5 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

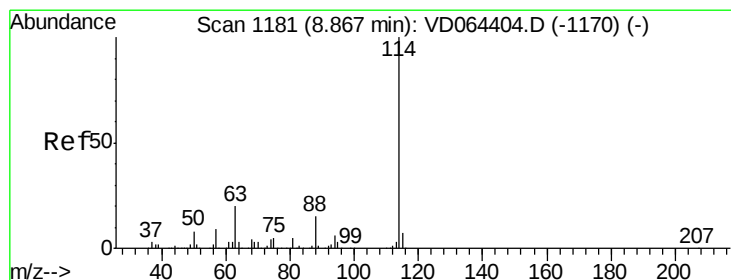
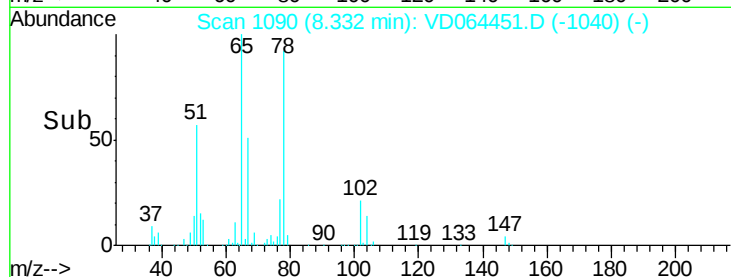
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

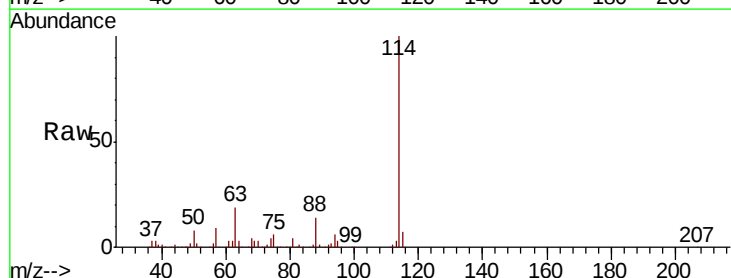
Tgt Ion: 114 Resp: 733761

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 14.1 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

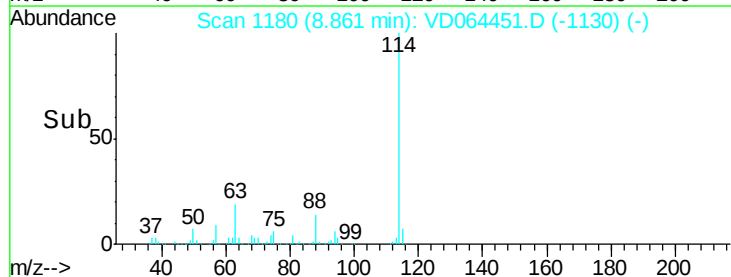
300000

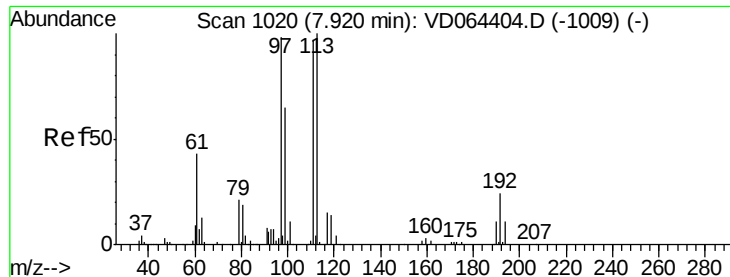
200000

100000

0

Time-->





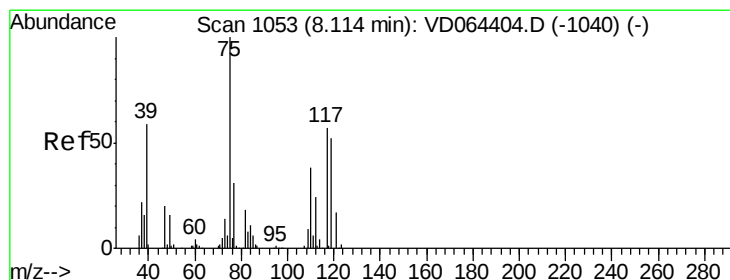
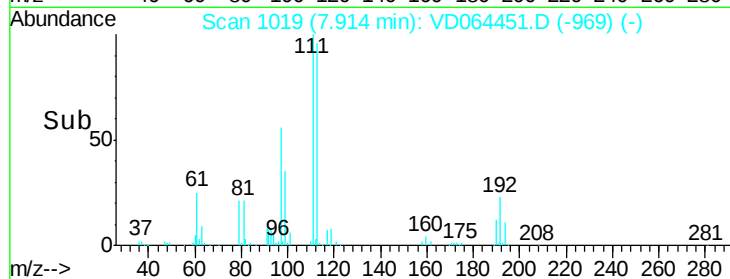
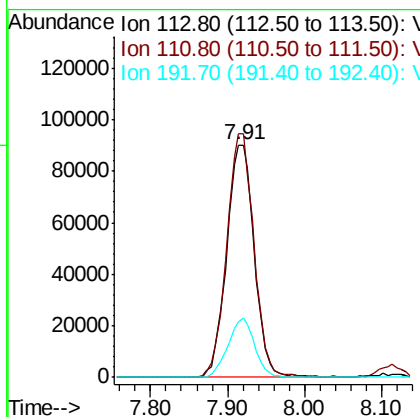
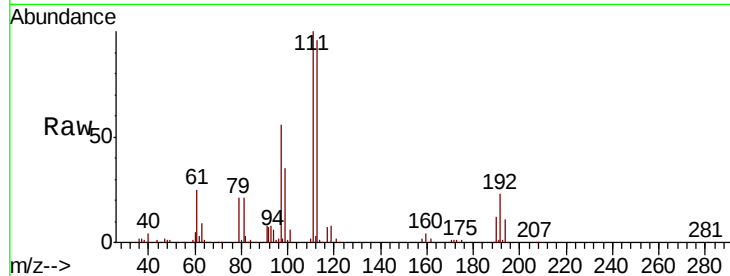
#35
 Dibromofluoromethane
 Concen: 48.762 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	79.4	119.2
192	24.3	18.6	28.0

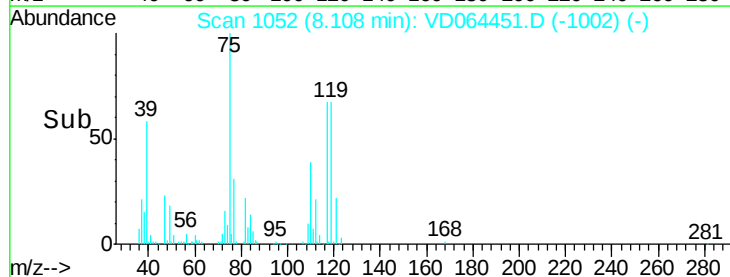
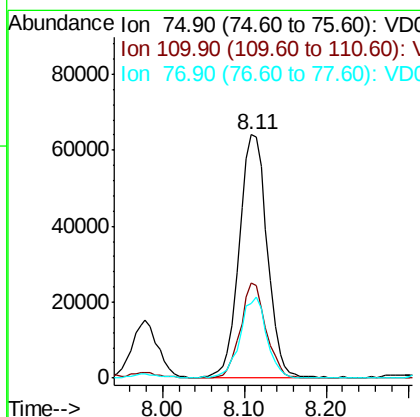
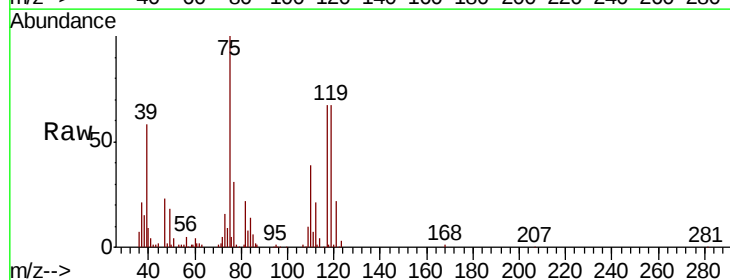
Manual Integrations
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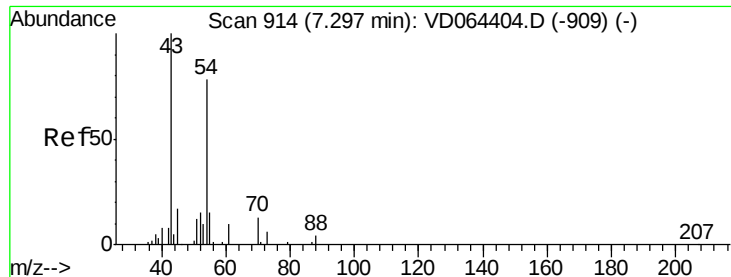
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#36
 1,1-Dichloropropene
 Concen: 22.121 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.6	55.8
77	31.4	25.0	37.4





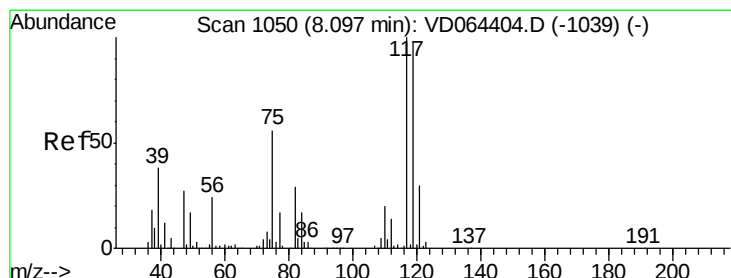
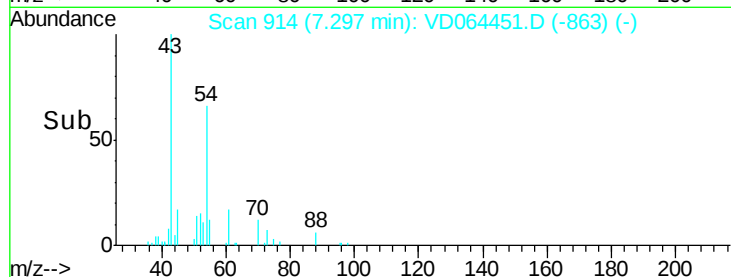
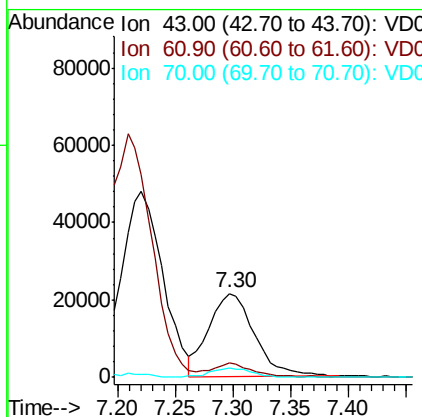
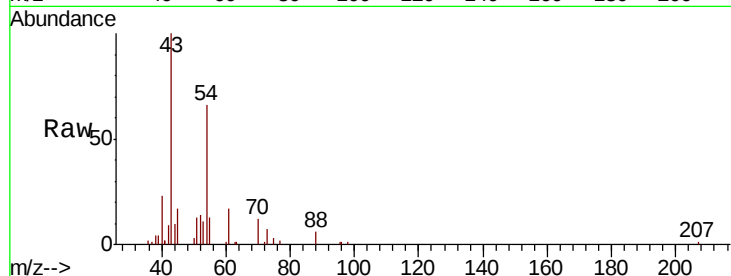
#37
Ethyl Acetate
Concen: 20.093 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.9	16.3
70	10.6	8.3	12.5

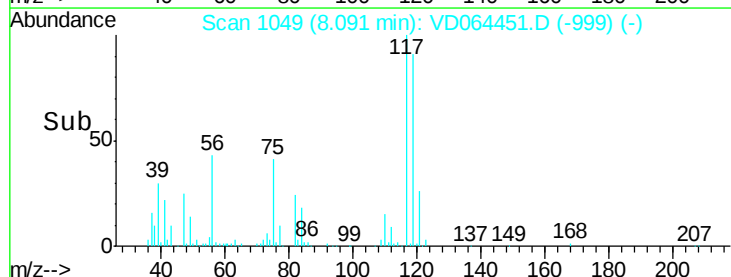
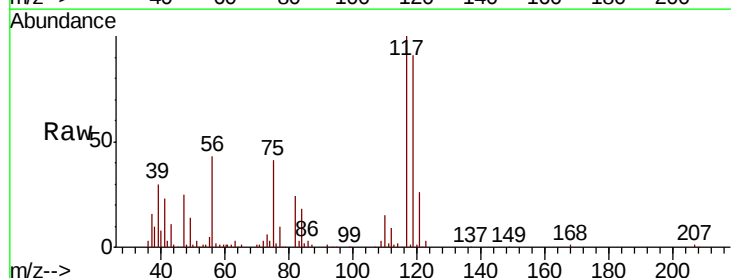
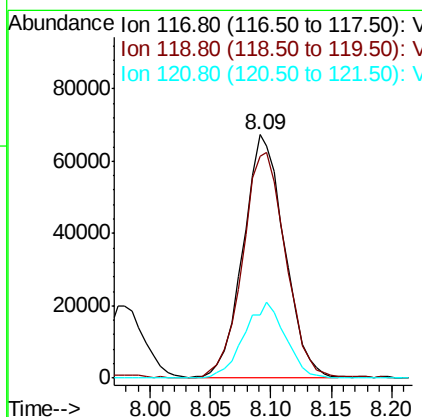
Manual Integrations
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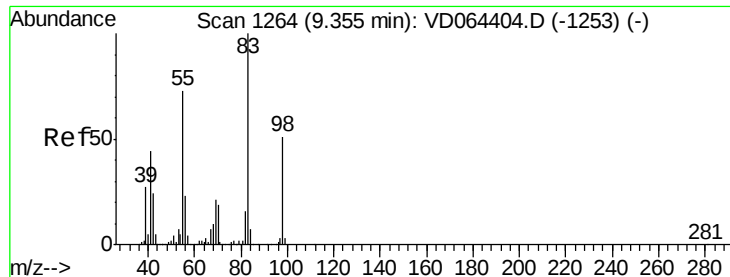
apatel
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#38
Carbon Tetrachloride
Concen: 21.864 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	78.8	118.2
121	25.8	24.2	36.2





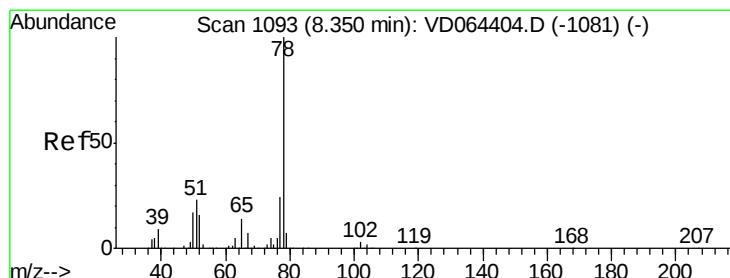
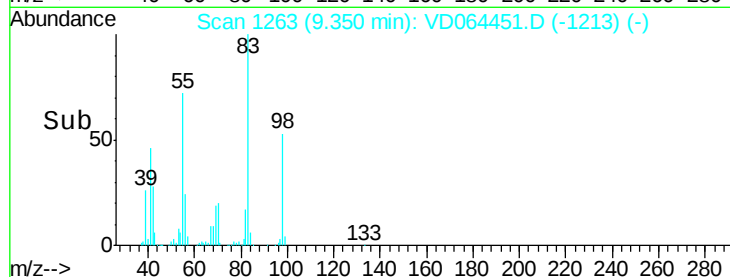
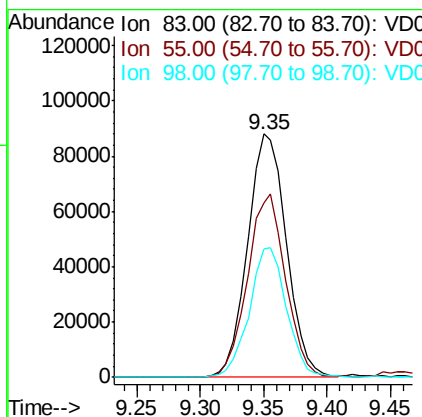
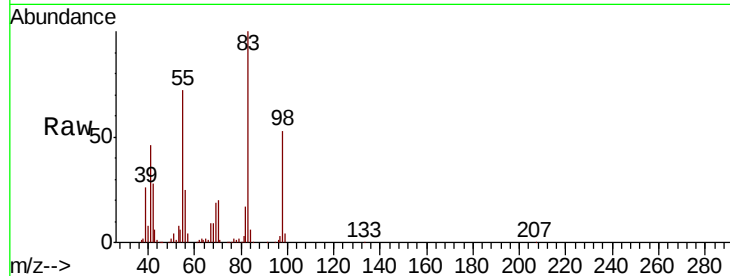
#39
Methvlcvclohexane
Concen: 21.864 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	188236		
55	71.9		58.6	87.8
98	52.8		40.9	61.3

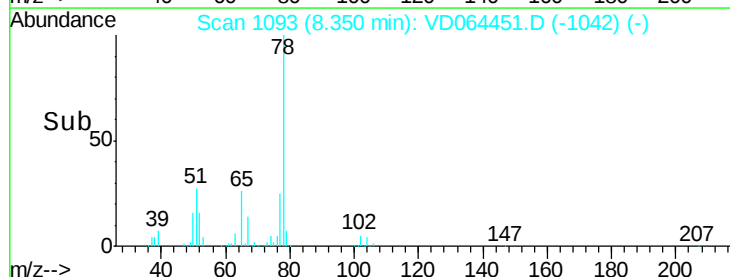
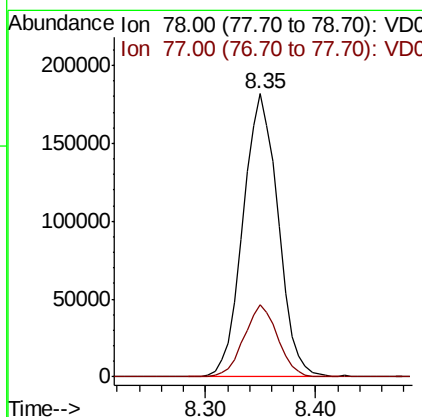
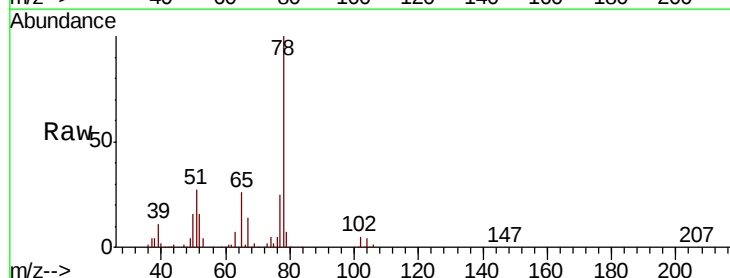
Manual Integrations
APPROVED

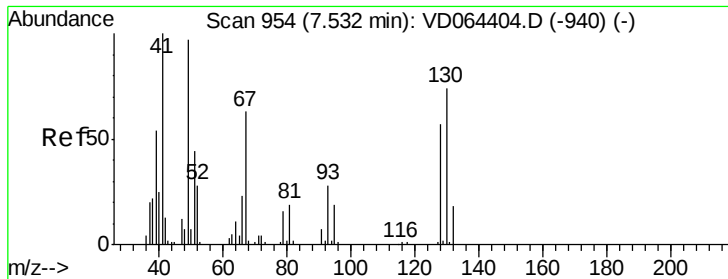
apatel
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#40
Benzene
Concen: 21.106 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	406853		
77	25.4		19.6	29.4





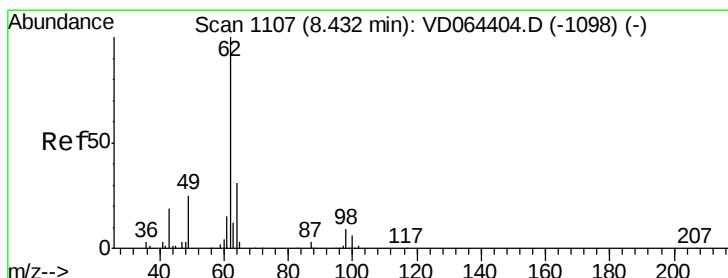
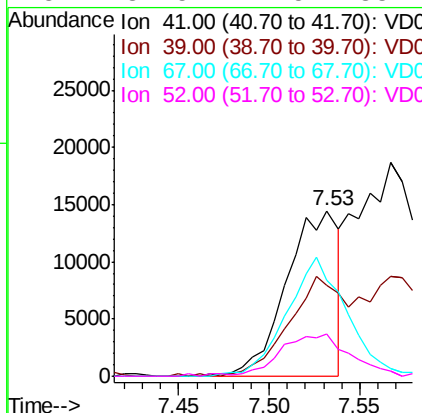
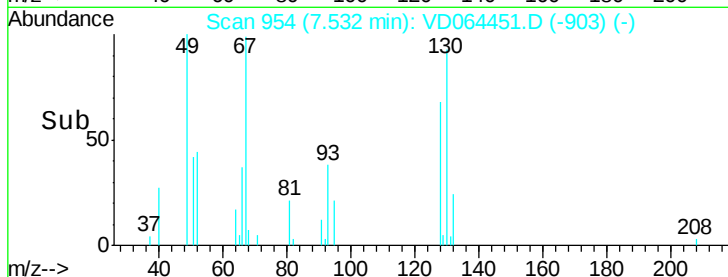
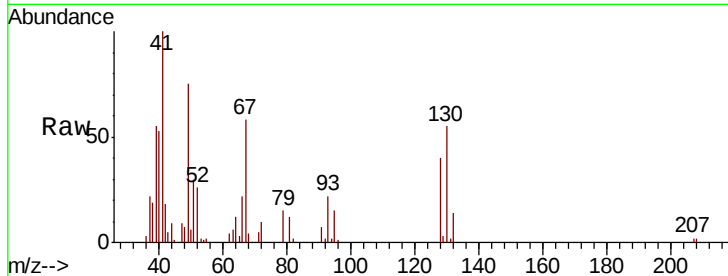
#41
Methacrylonitrile
Concen: 17.271 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.8	44.6	67.0
67	83.1	50.9	76.3#
52	34.5	22.5	33.7#

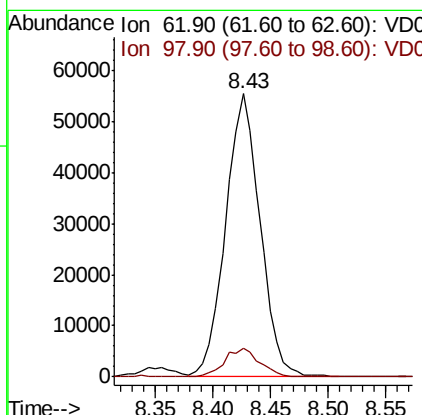
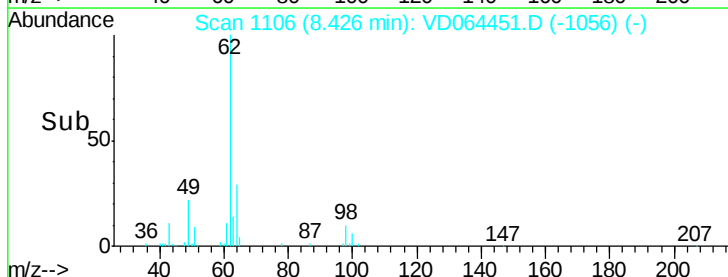
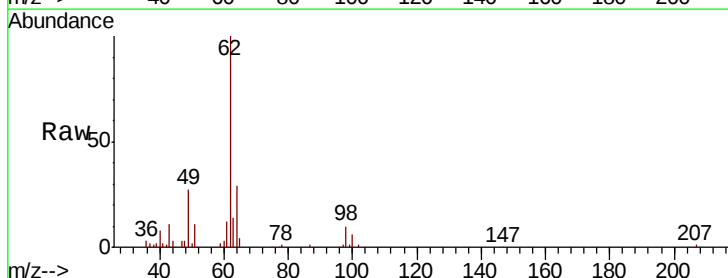
Manual Integrations
APPROVED

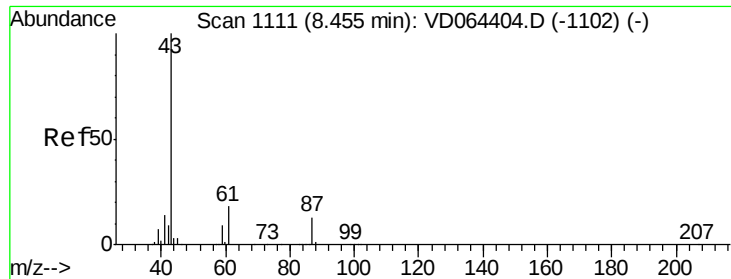
apatel
12/9/2019 2:03:46 PM



#42
1,2-Dichloroethane
Concen: 20.432 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





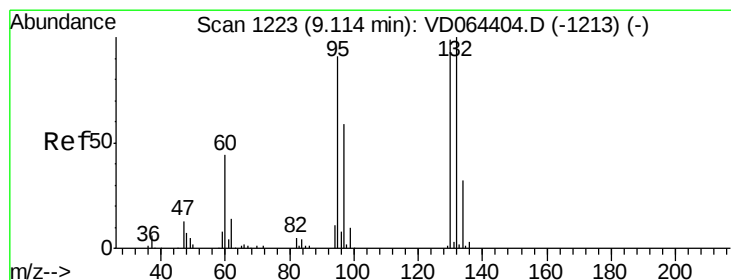
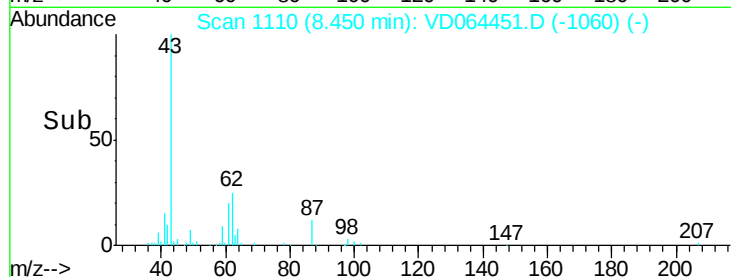
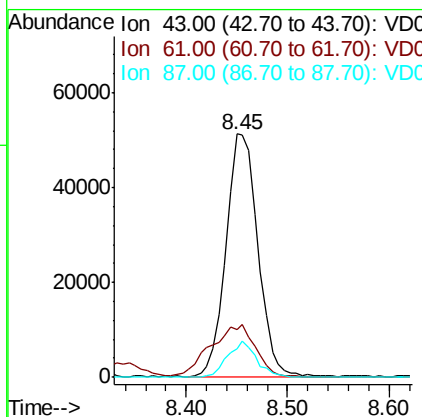
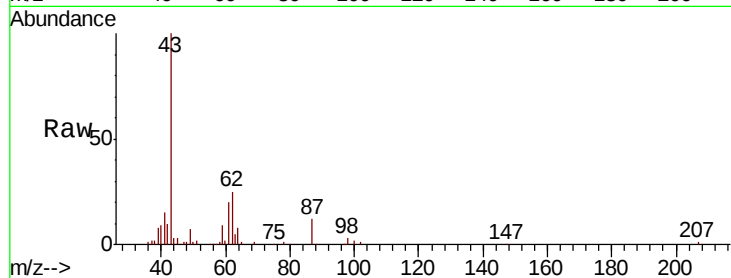
#43
Isopropyl Acetate
Concen: 19.473 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	24.0	36.0
87	13.3	10.6	15.8

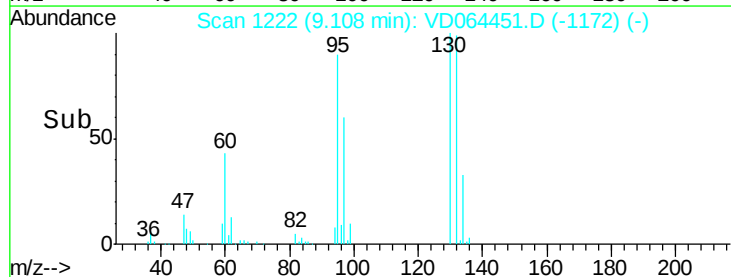
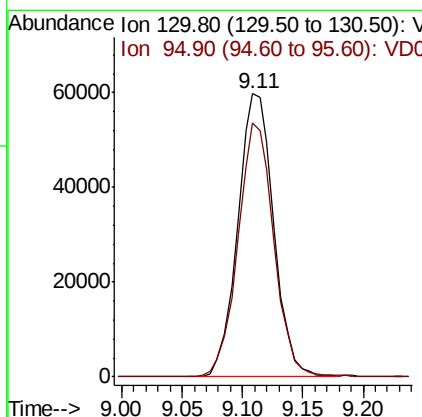
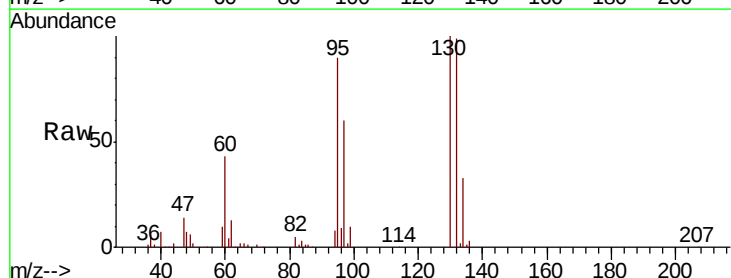
Manual Integrations
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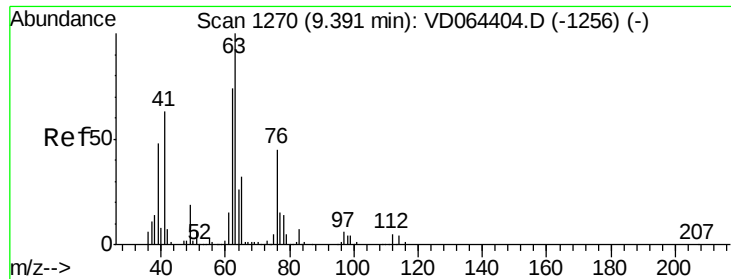
apatel
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#44
Trichloroethene
Concen: 21.353 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	184.6





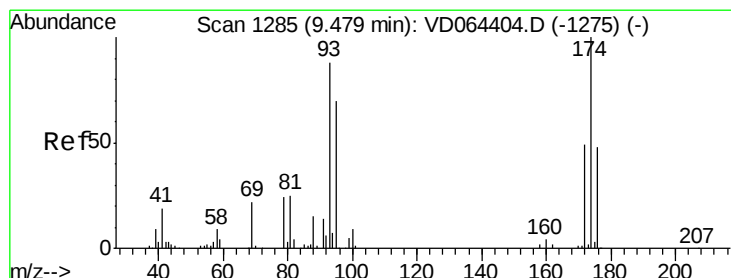
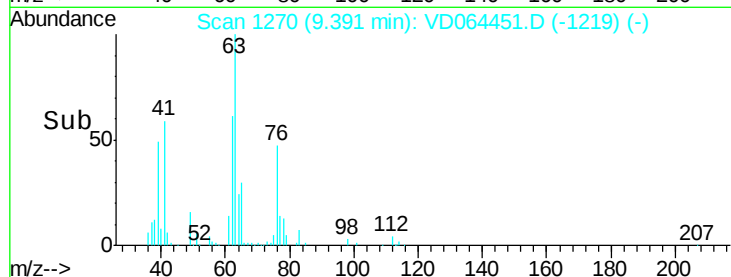
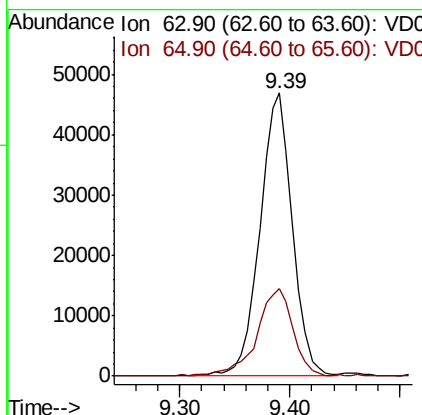
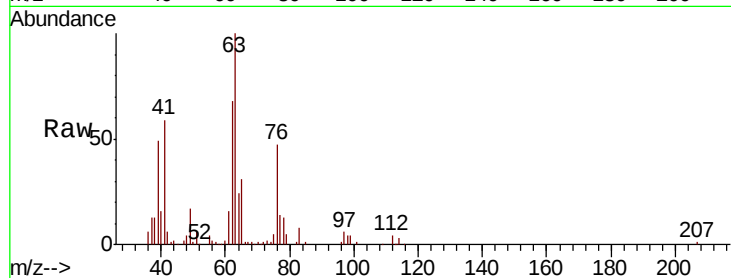
#45
 1,2-Dichloropropane
 Concen: 20.839 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion: 63 Resp: 96071
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.4 38.0

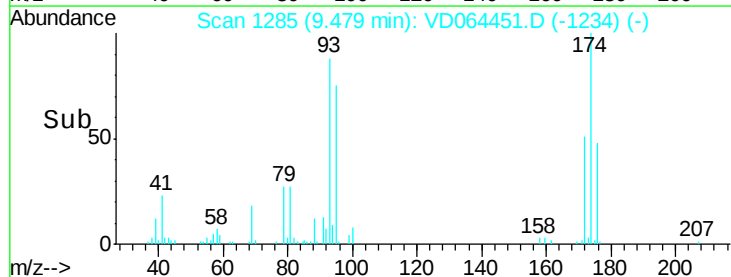
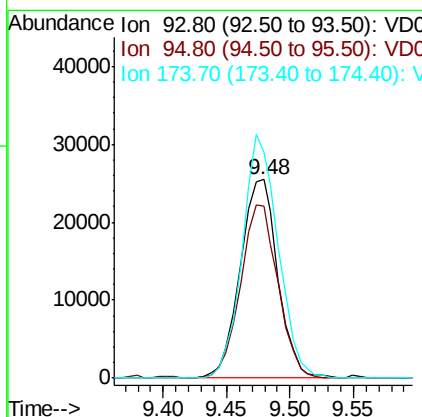
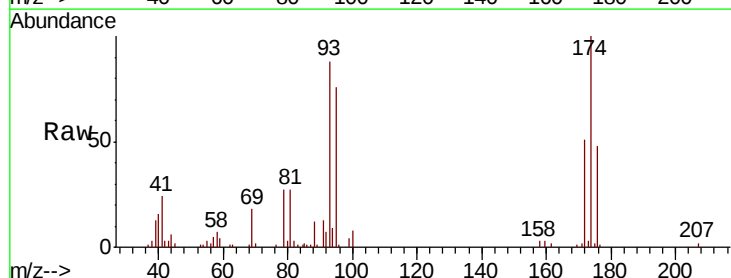
Manual Integrations
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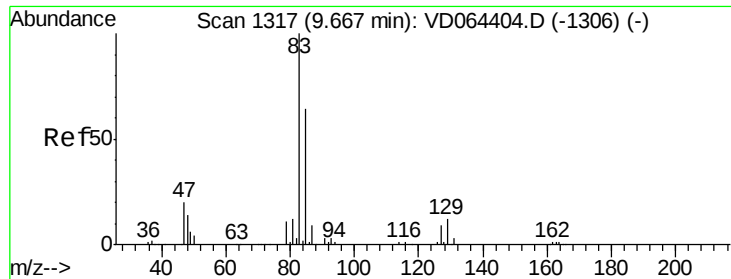
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#46
 Dibromomethane
 Concen: 20.224 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion: 93 Resp: 52621
 Ion Ratio Lower Upper
 93 100
 95 86.5 66.7 100.1
 174 116.4 92.3 138.5





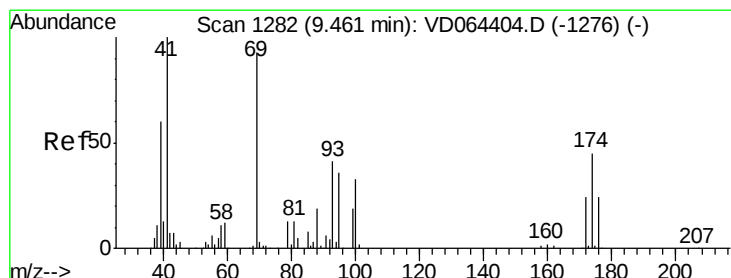
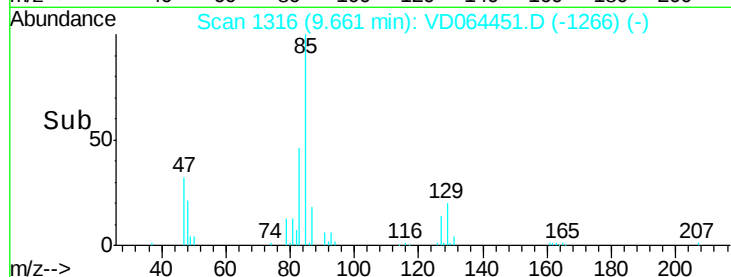
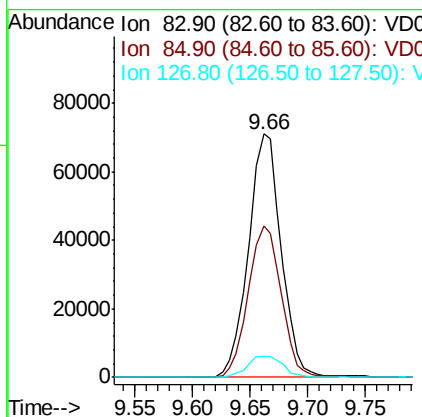
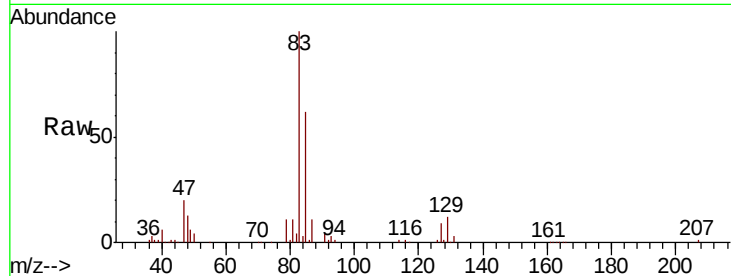
#47
Bromodichloromethane
Concen: 21.021 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.2	51.1	76.7	
127	8.6	7.4	11.0	

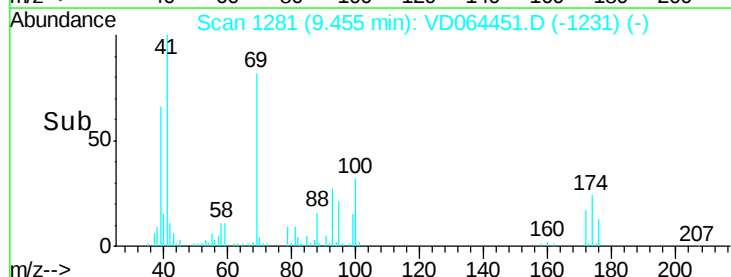
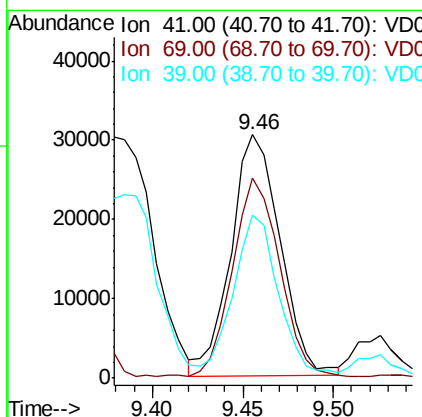
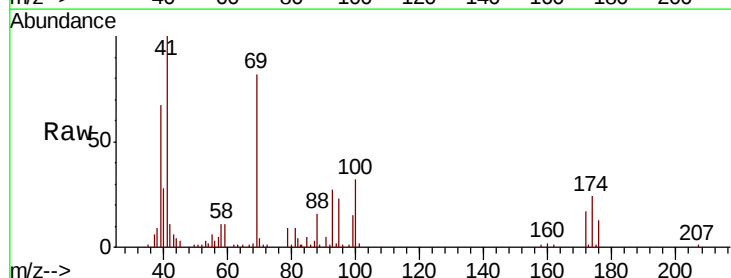
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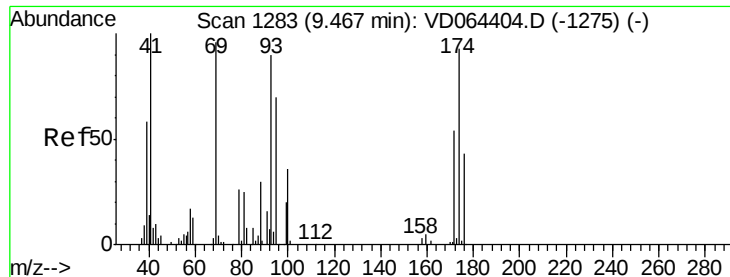
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#48
Methyl methacrylate
Concen: 21.829 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.3	72.0	108.0	
39	57.0	55.2	82.8	





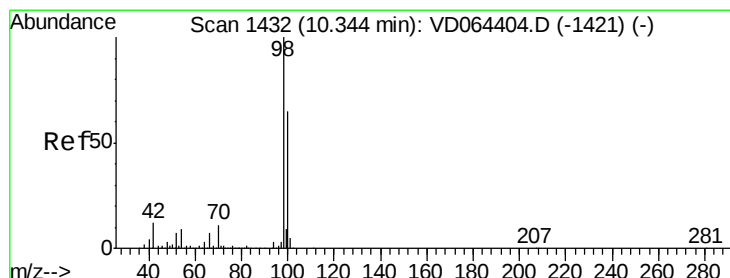
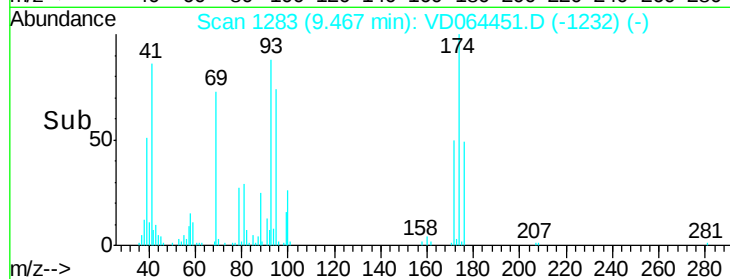
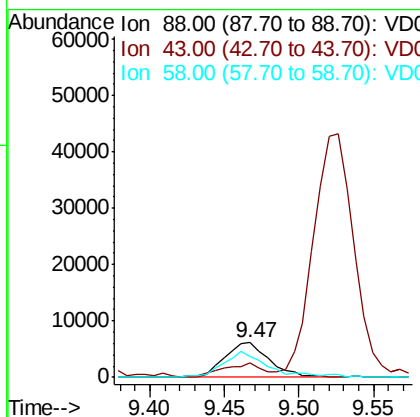
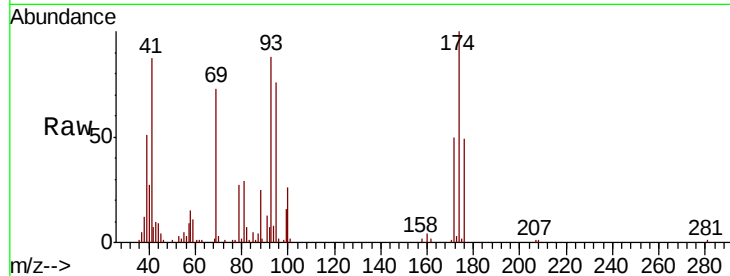
#49
1,4-Dioxane
Concen: 394.492 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.9	26.7	40.1
58	72.8	52.3	78.5

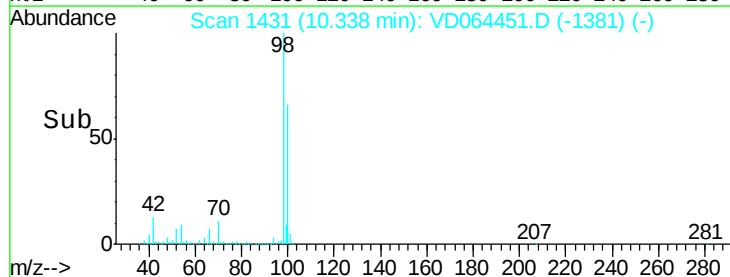
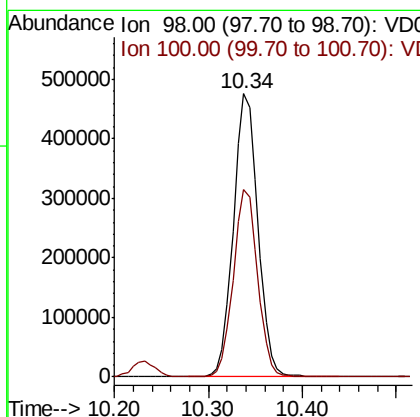
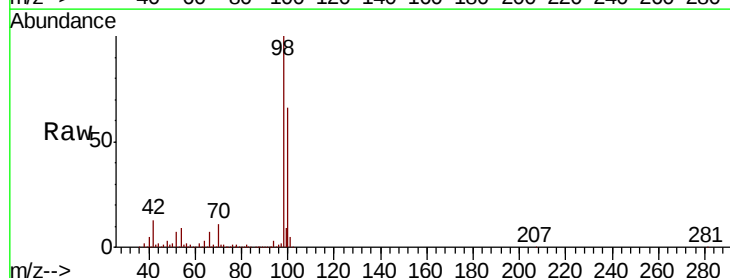
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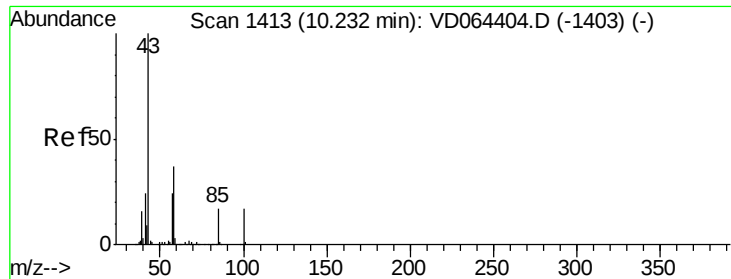
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#50
Toluene-d8
Concen: 49.520 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 97.254 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 43 Resp: 278633

Ion Ratio Lower Upper

43 100

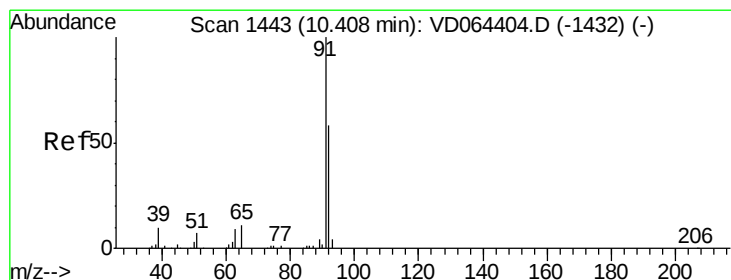
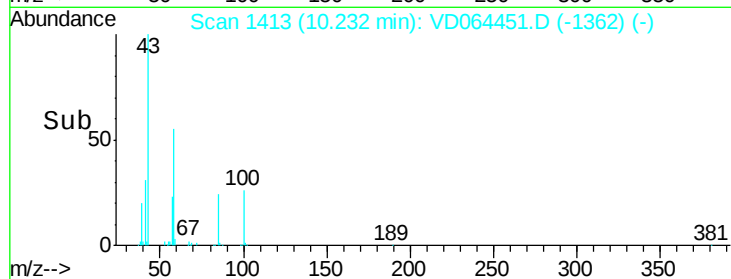
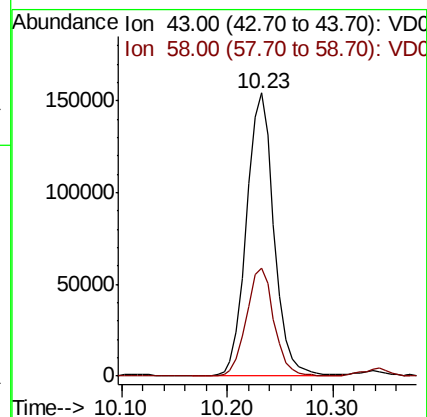
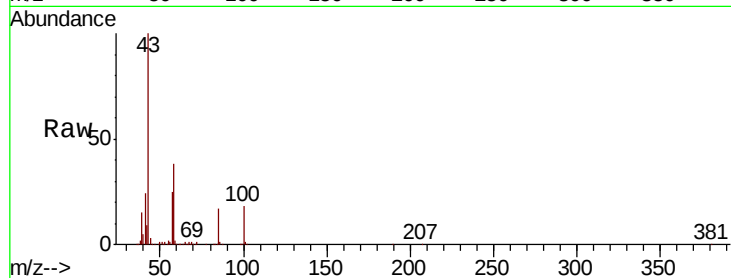
58 38.2 30.6 46.0

Manual Integrations

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#52

Toluene

Concen: 21.377 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064451.D

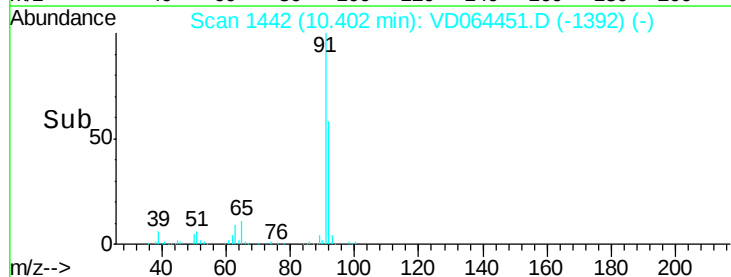
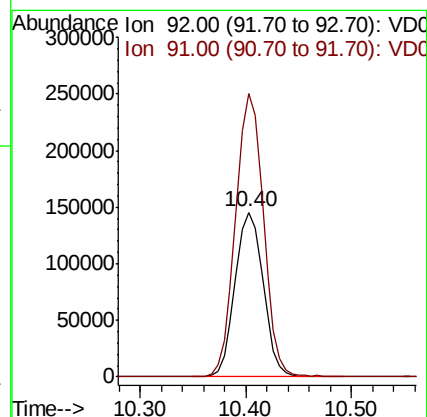
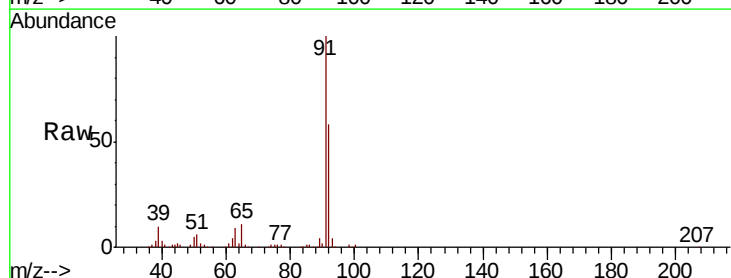
Acq: 06 Dec 2019 11:38

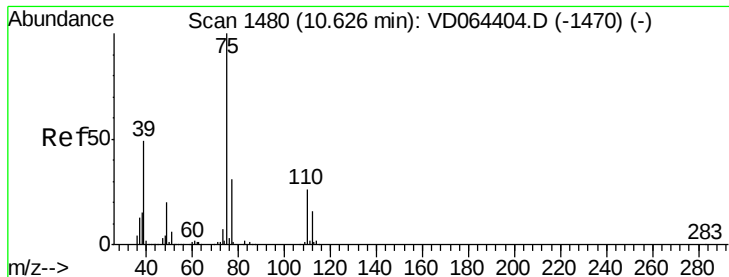
Tgt Ion: 92 Resp: 268554

Ion Ratio Lower Upper

92 100

91 170.5 137.8 206.6





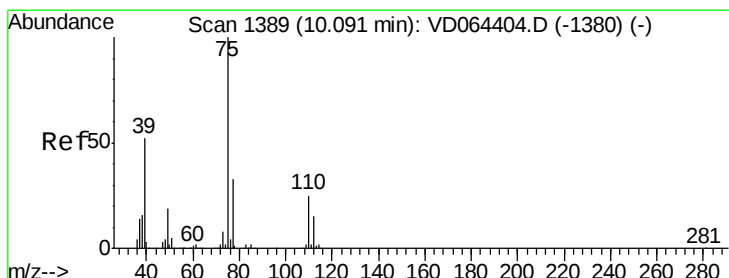
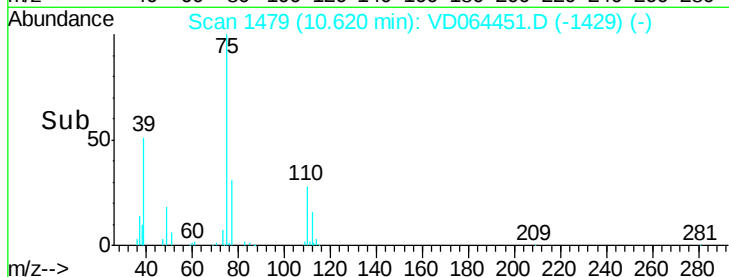
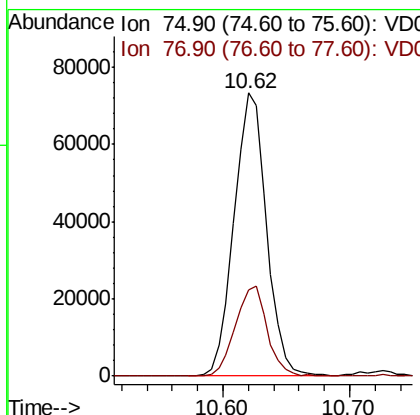
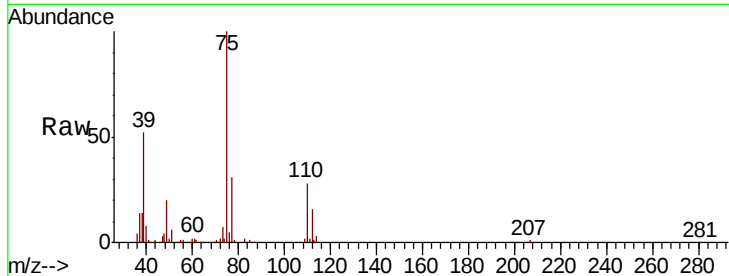
#53
t-1,3-Dichloropropene
Concen: 20.318 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.0	37.4

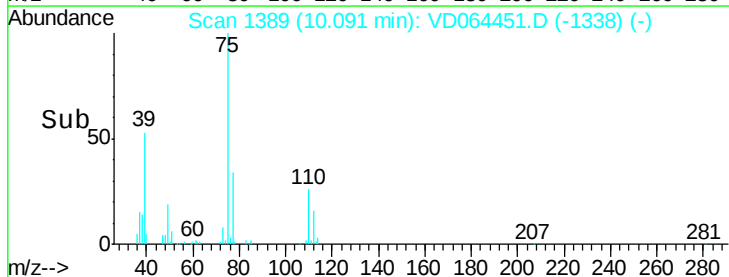
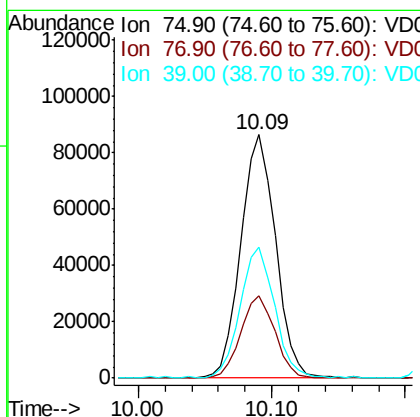
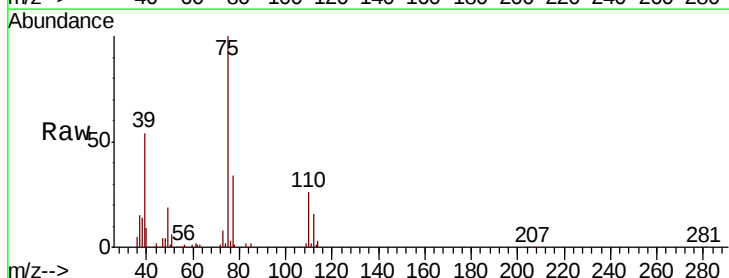
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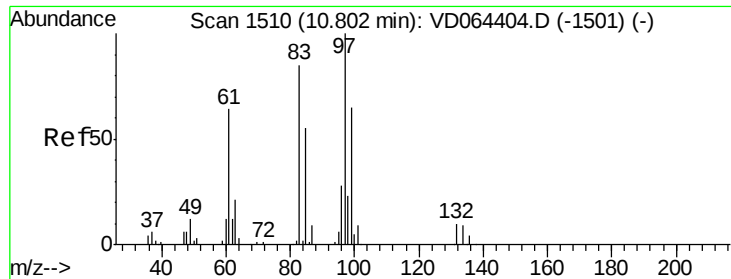
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#54
cis-1,3-Dichloropropene
Concen: 20.575 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.7	26.1	39.1
39	53.4	41.5	62.3





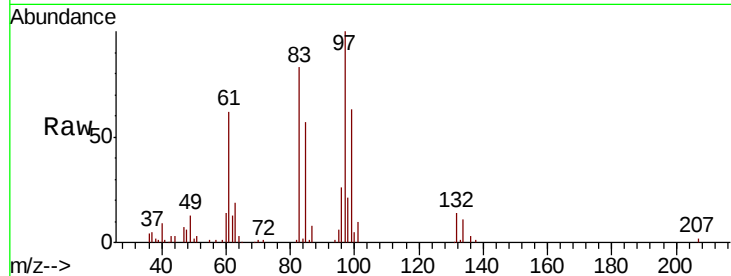
#55
 1,1,2-Trichloroethane
 Concen: 20.154 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.8	101.8
85	56.3	43.7	65.5
99	62.4	51.7	77.5

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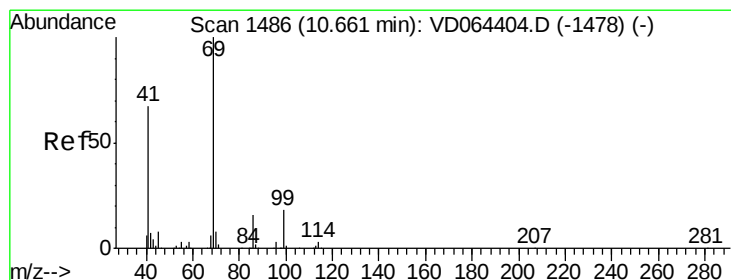
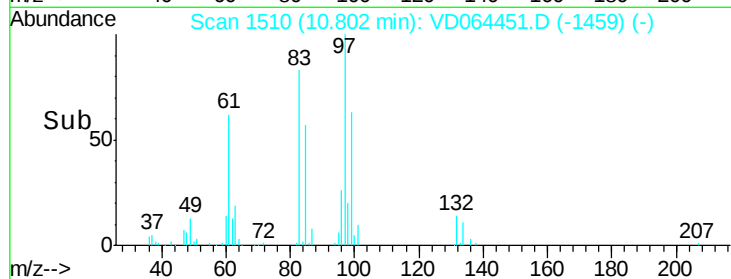
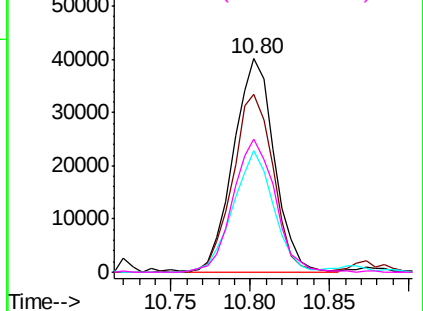
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

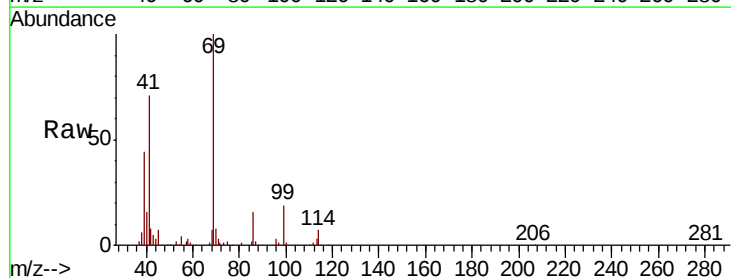
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.880 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.9	55.0	82.4
39	40.7	33.0	49.6

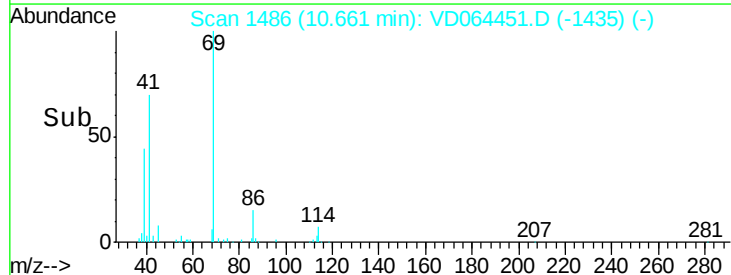
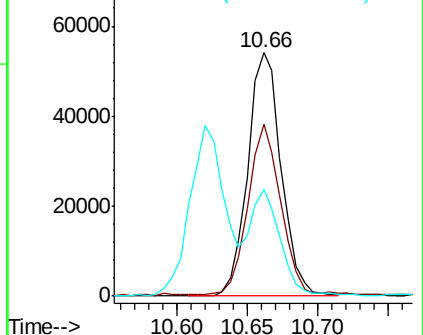


Abundance

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: 20.230 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 76 Resp: 122689

Ion Ratio Lower Upper

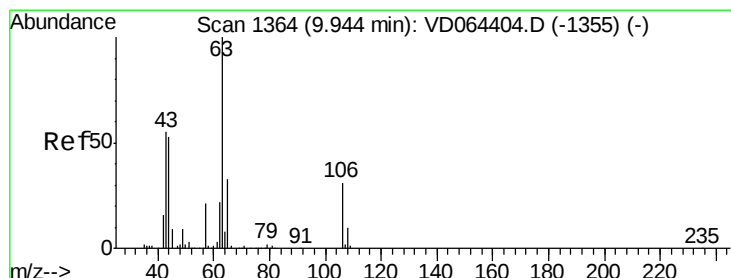
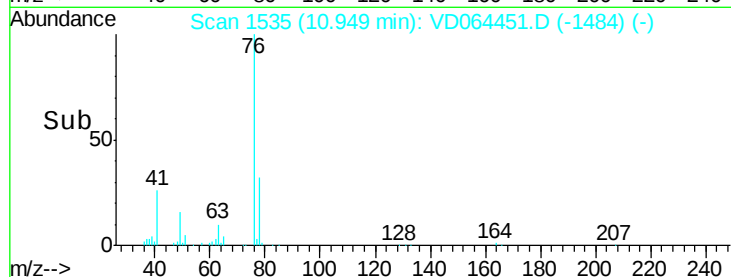
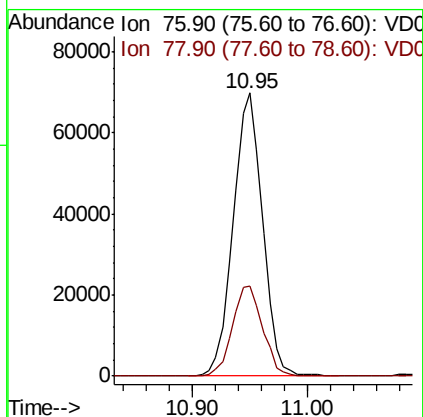
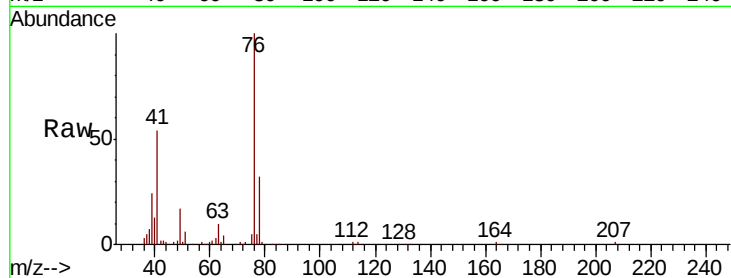
76 100

78 32.8 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 100.649 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064451.D

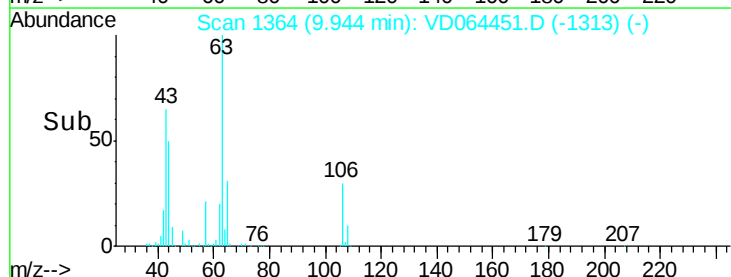
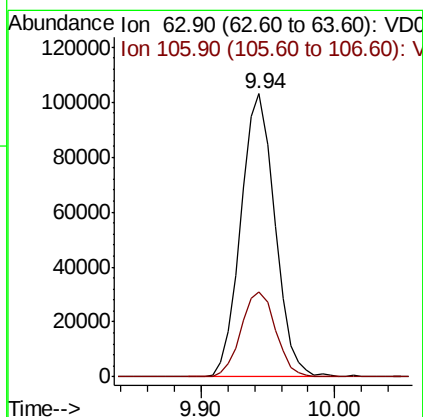
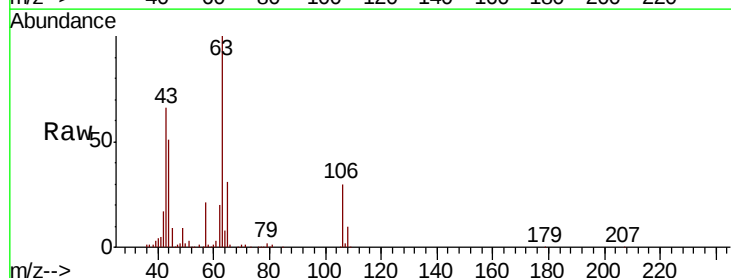
Acq: 06 Dec 2019 11:38

Tgt Ion: 63 Resp: 182321

Ion Ratio Lower Upper

63 100

106 30.4 24.2 36.4





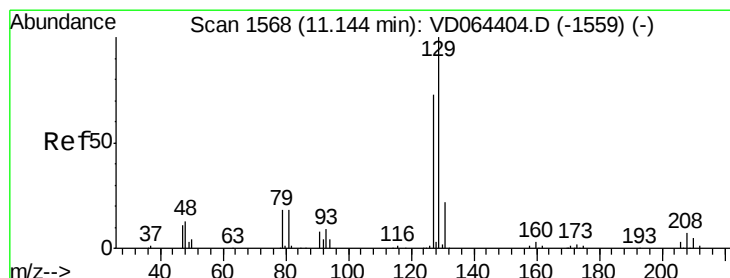
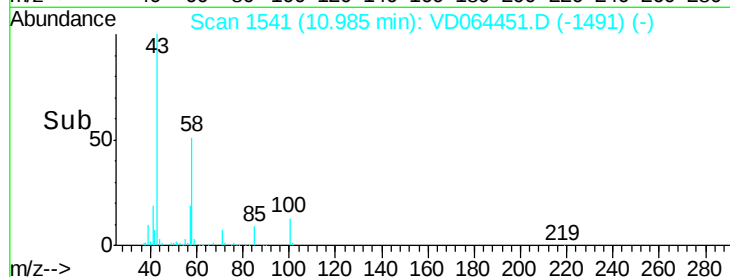
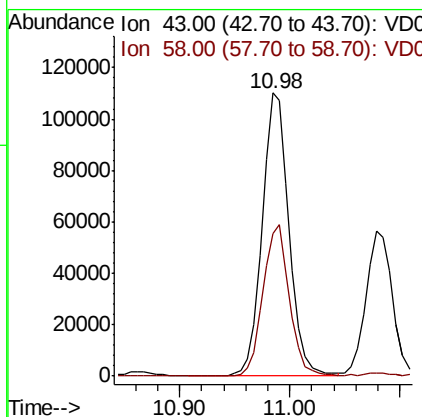
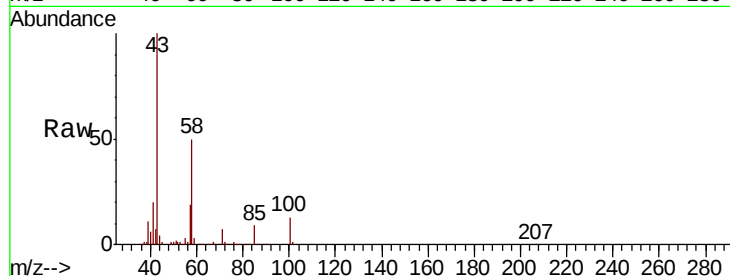
#59
2-Hexanone
Concen: 94.345 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion: 43 Resp: 187557
Ion Ratio Lower Upper
43 100
58 52.7 26.3 78.8

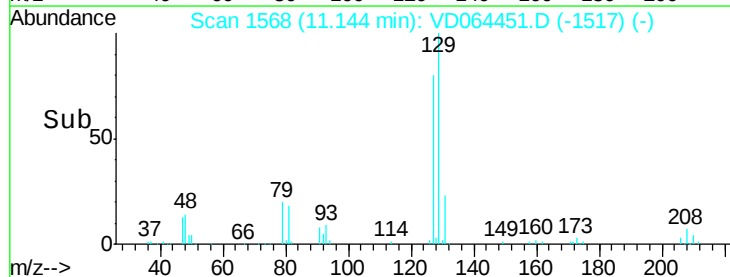
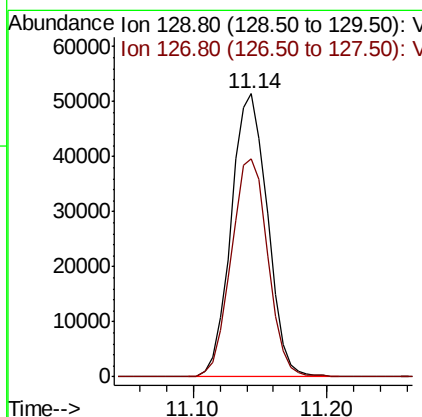
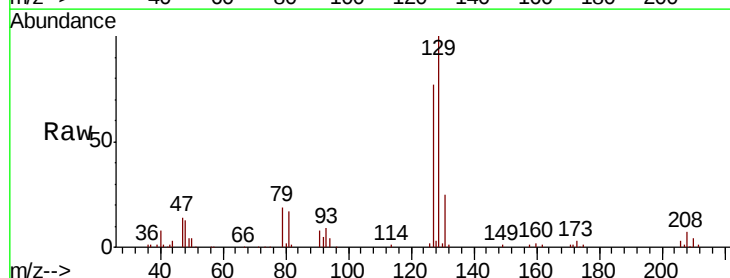
Manual Integrations
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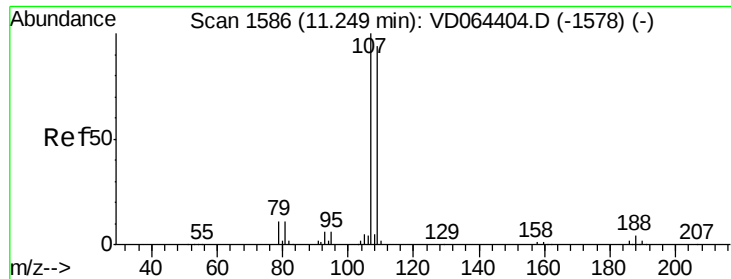
apatel
12/9/2019 2:03:46 PM



#60
Dibromochloromethane
Concen: 20.079 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion: 129 Resp: 96995
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3





#61

1,2-Dibromoethane

Concen: 19.489 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 107 Resp: 69329

Ion Ratio Lower Upper

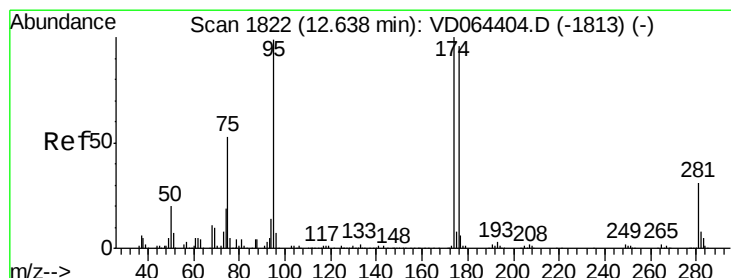
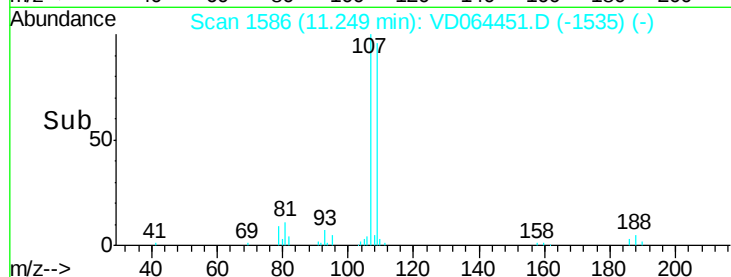
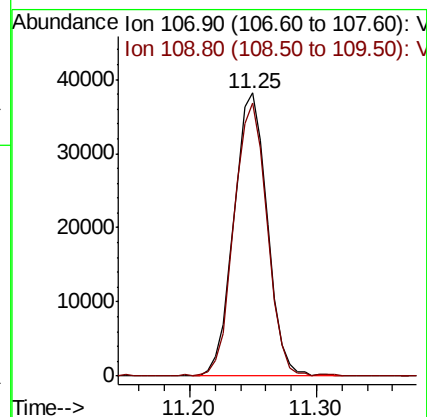
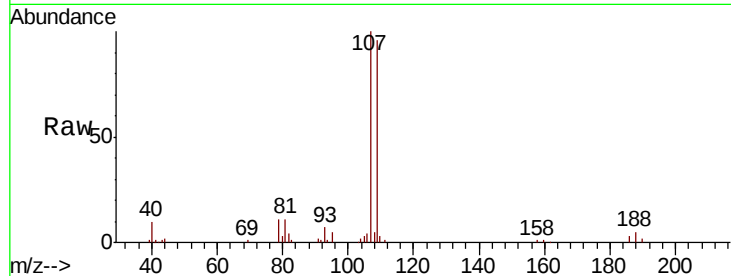
107 100

109 95.3 76.2 114.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 48.020 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

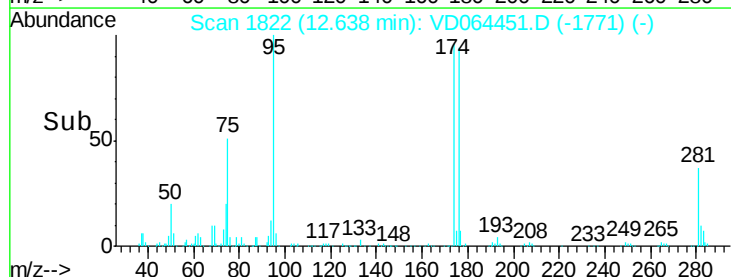
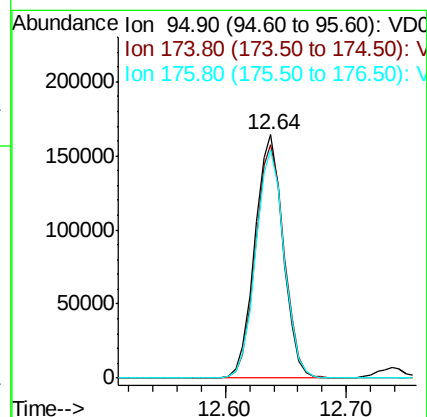
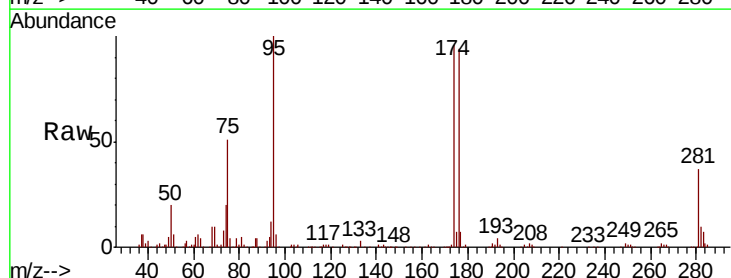
Tgt Ion: 95 Resp: 268747

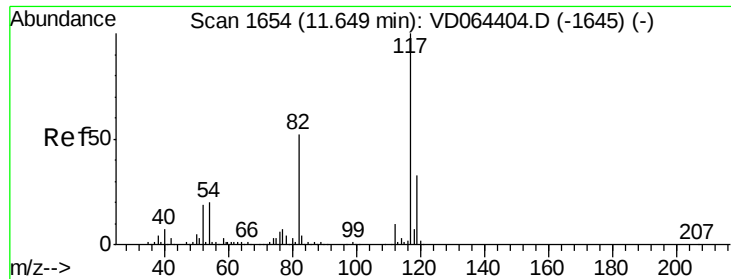
Ion Ratio Lower Upper

95 100

174 97.0 0.0 197.2

176 94.1 0.0 189.6





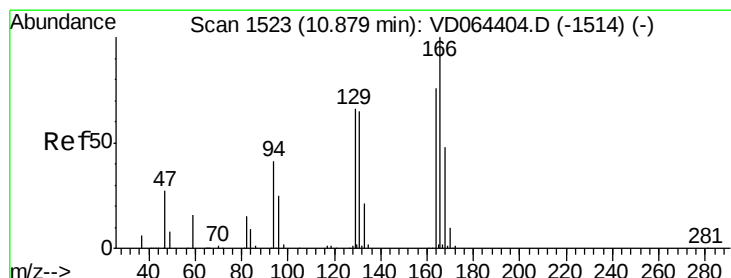
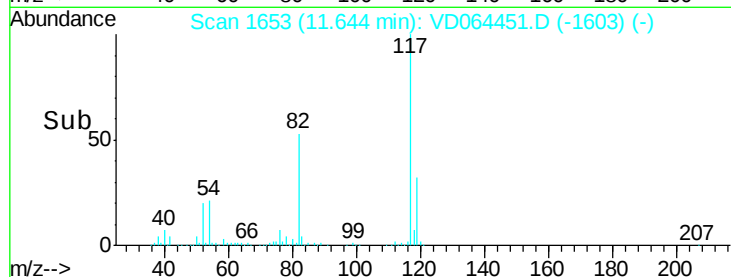
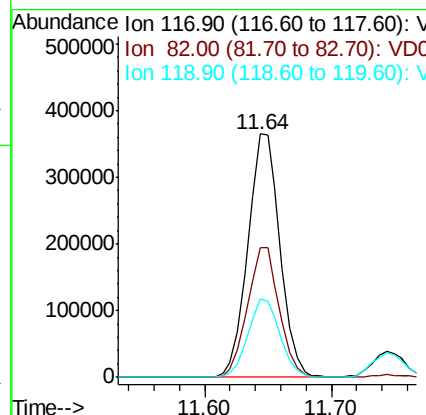
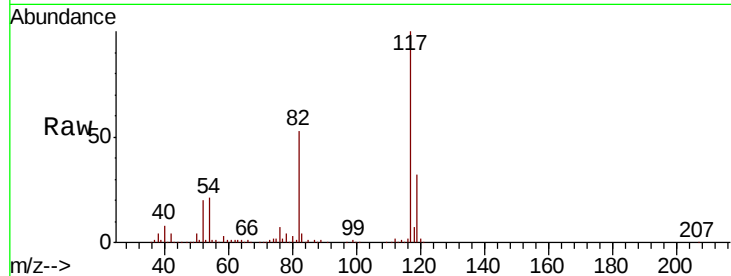
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	642805		
82	53.1		41.4	62.2
119	32.2		26.2	39.2

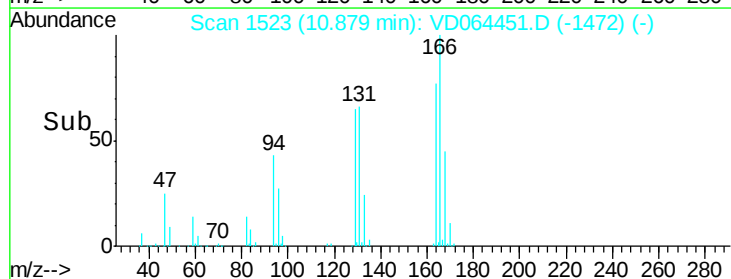
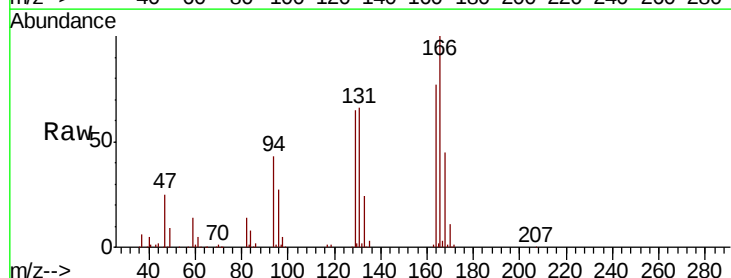
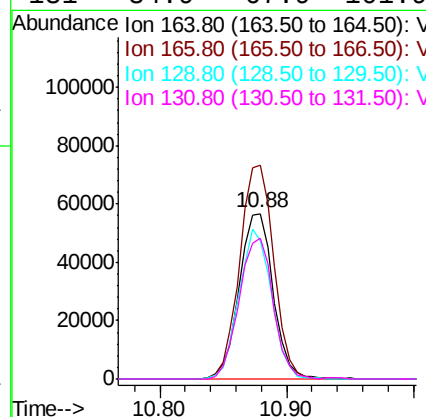
Manual Integrations
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#64
Tetrachloroethene
Concen: 21.413 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104962		
166	129.1		104.8	157.2
129	83.8		68.7	103.1
131	84.9		67.9	101.9





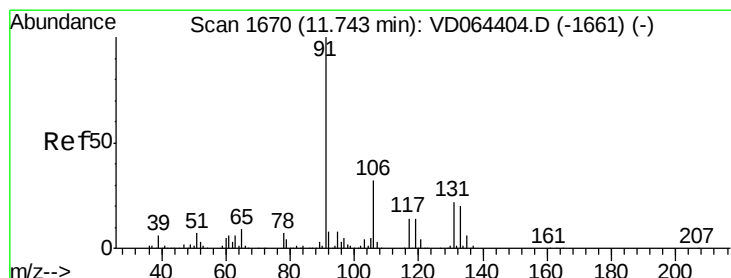
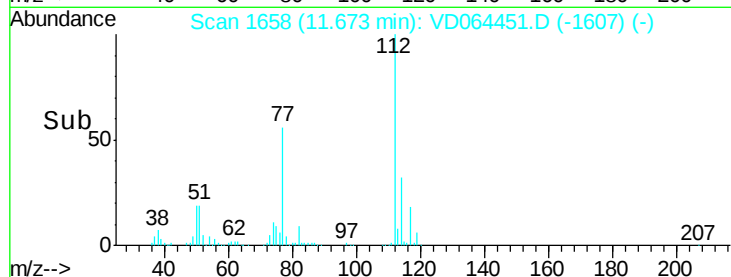
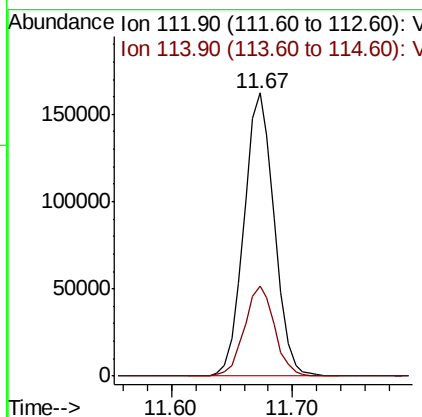
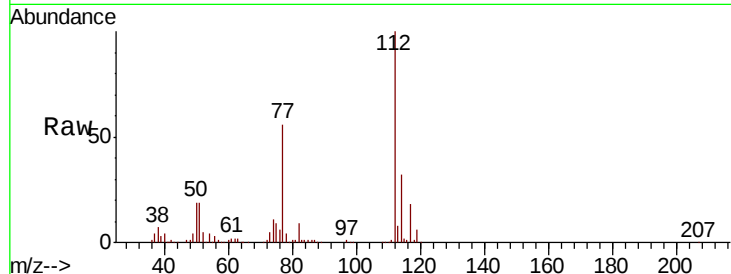
#65
Chlorobenzene
Concen: 21.112 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.5	39.7

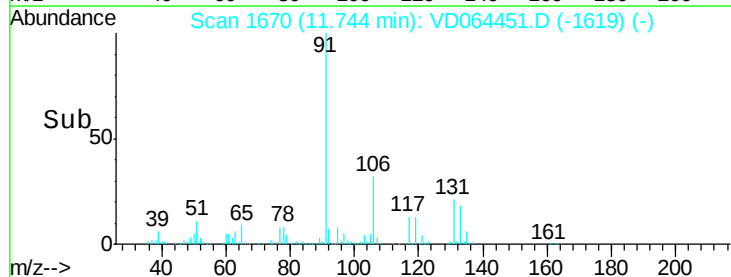
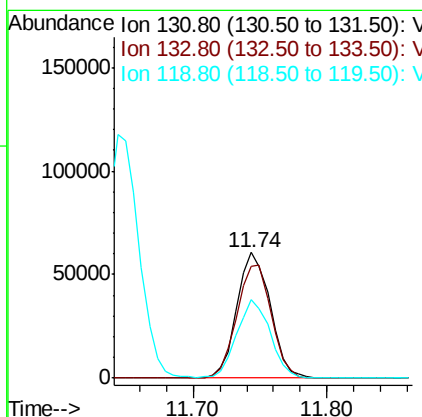
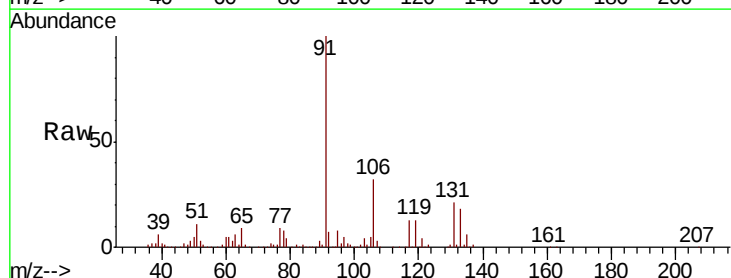
Manual Integrations
APPROVED

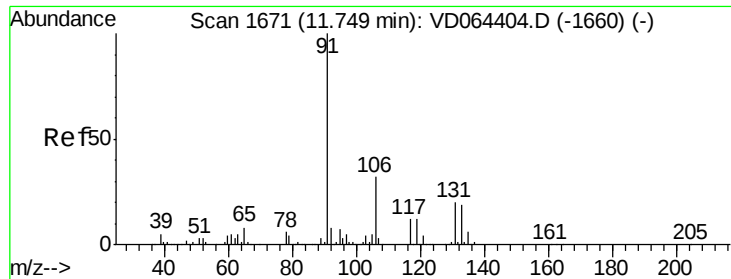
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.185 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	48.3	144.9
119	62.8	31.9	95.9





#67

Ethyl Benzene

Concen: 21.268 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 91 Resp: 507313

Ion Ratio Lower Upper

91 100

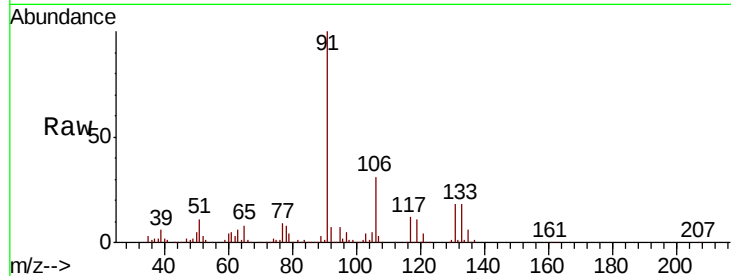
106 31.5 25.8 38.8

Manual Integrations

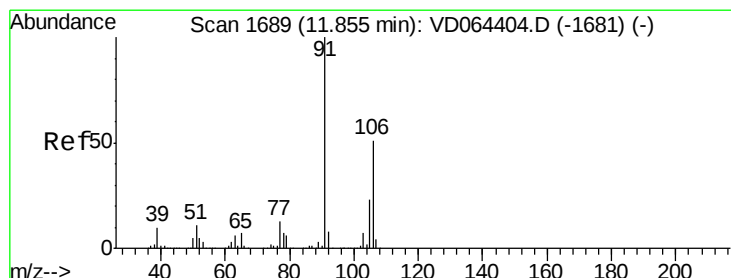
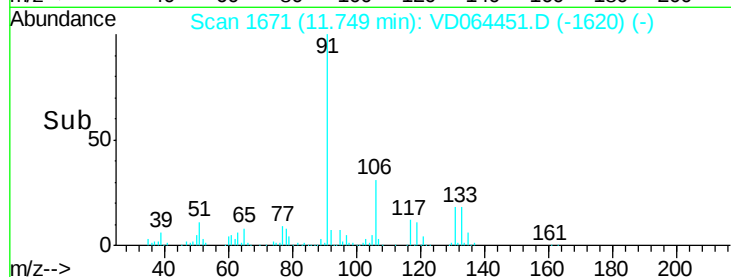
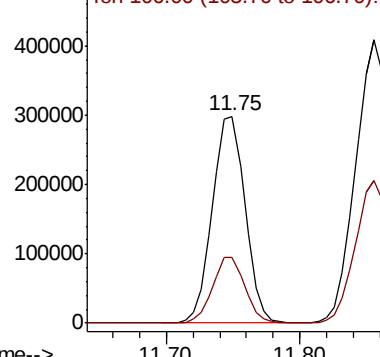
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Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 43.058 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064451.D

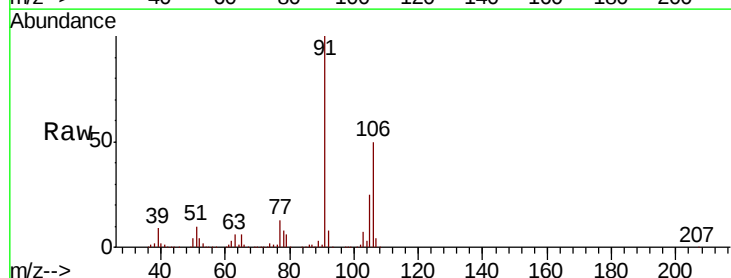
Acq: 06 Dec 2019 11:38

Tgt Ion: 106 Resp: 391625

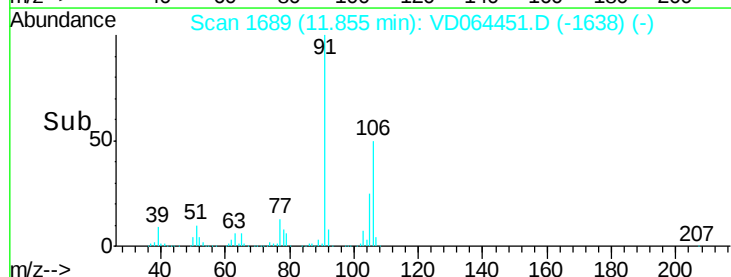
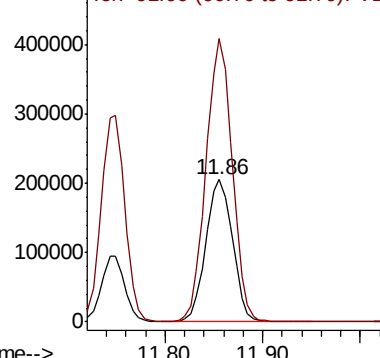
Ion Ratio Lower Upper

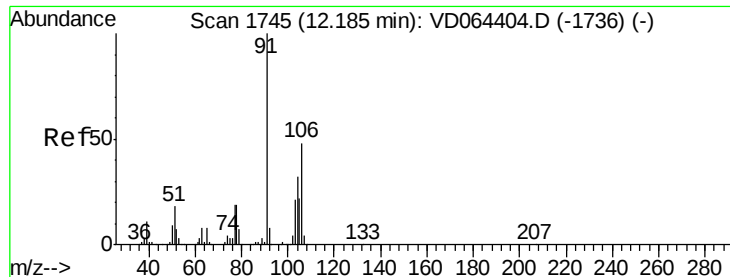
106 100

91 194.9 157.4 236.2



Abundance Ion 106.00 (105.70 to 106.70): V





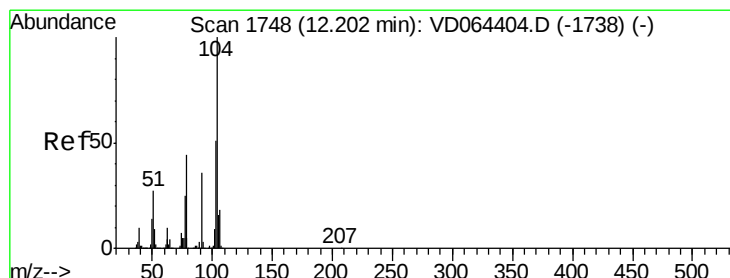
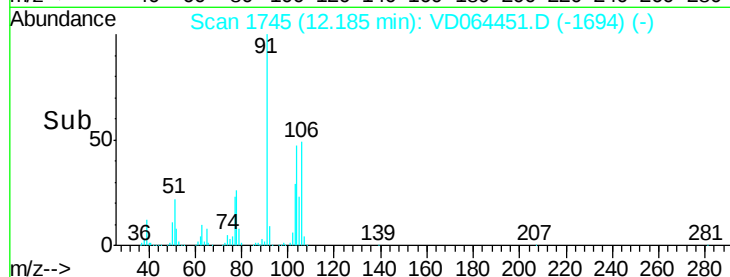
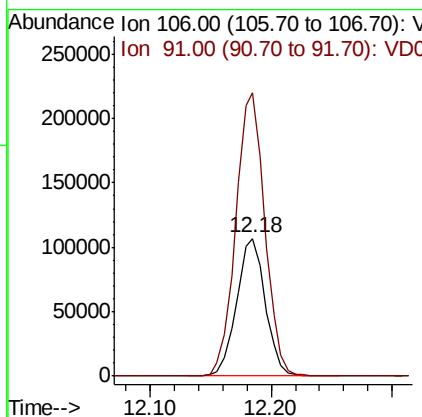
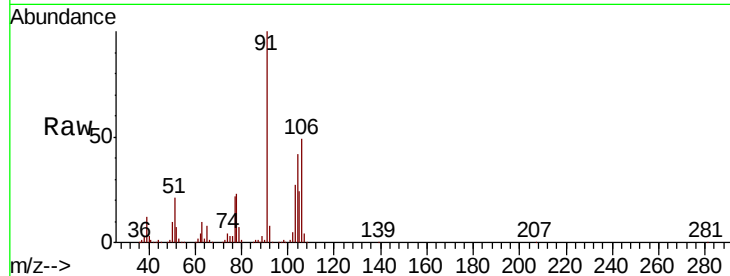
#69
o-Xylene
Concen: 21.093 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	103.8	311.4	

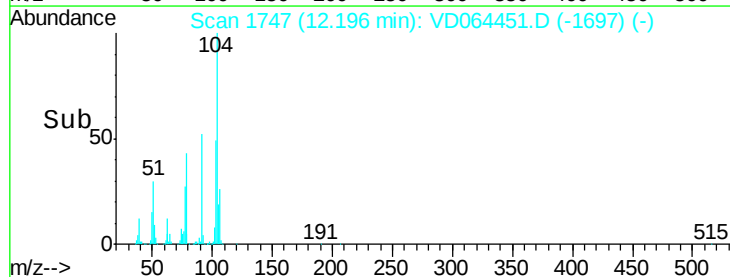
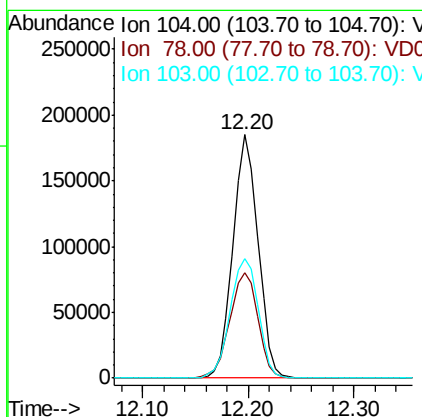
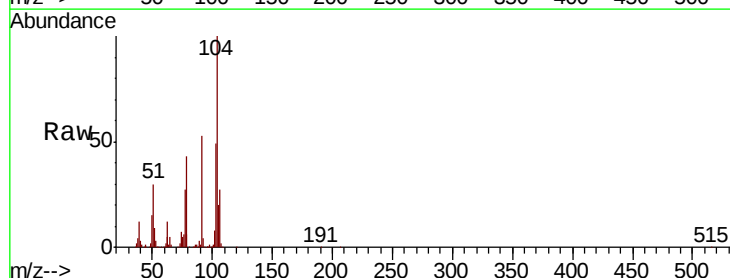
Manual Integrations
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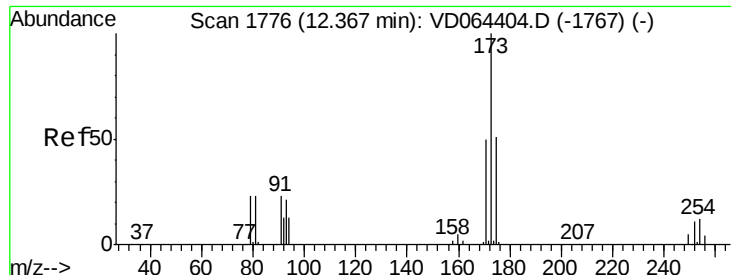
apatel
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#70
Styrene
Concen: 20.763 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	38.8	58.2	
103	55.2	44.2	66.4	





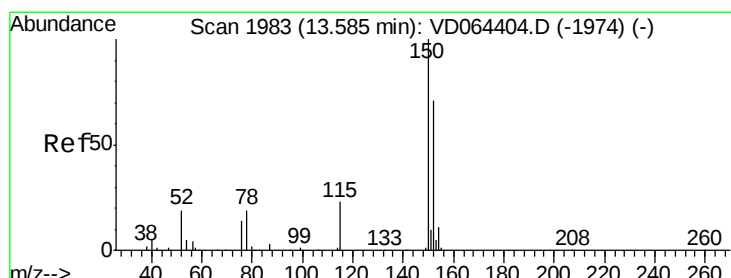
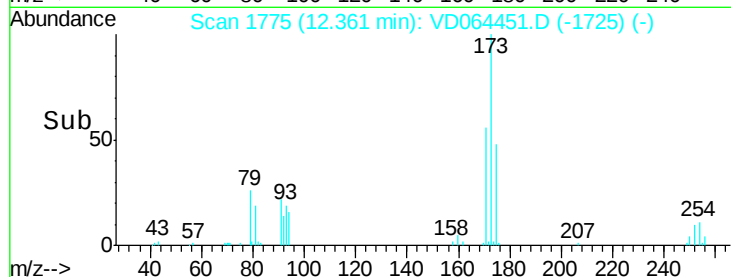
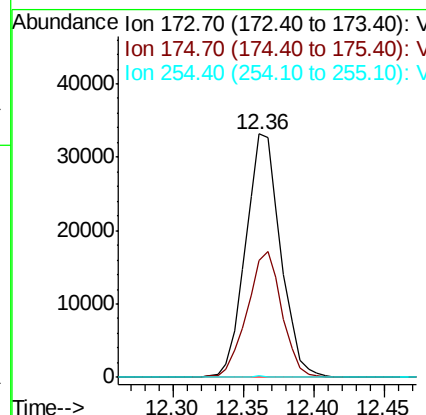
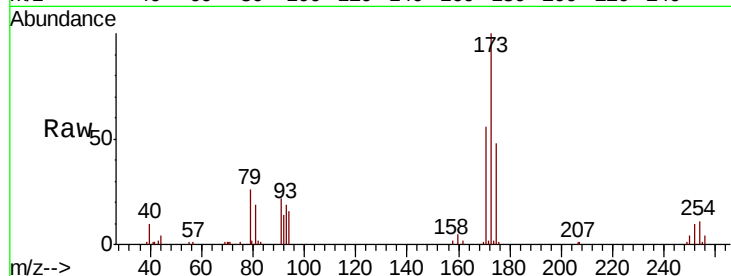
#71
Bromoform
Concen: 19.352 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.3	25.3	75.8
254	0.1	0.0	0.0

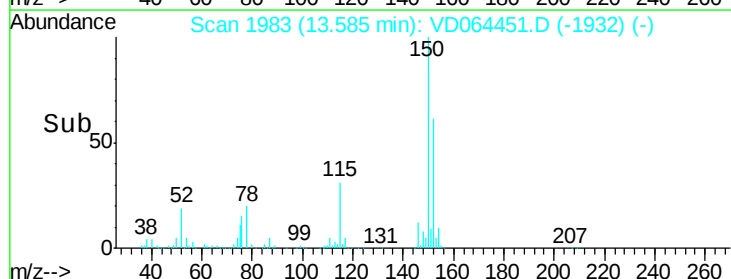
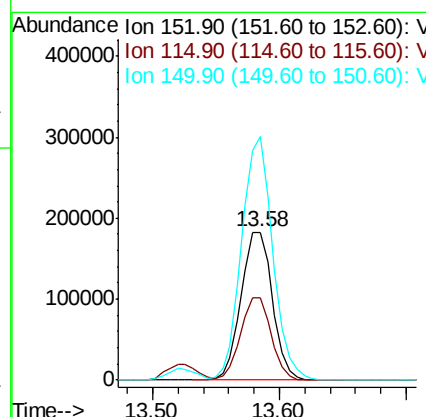
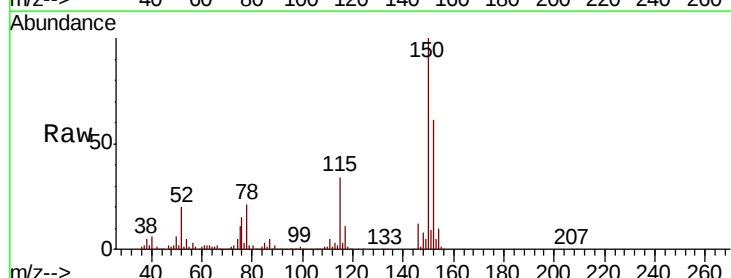
Manual Integrations
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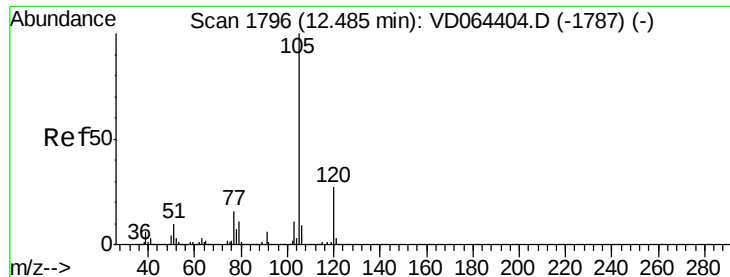
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	26.7	80.1
150	163.6	0.0	347.2





#73

Isopropylbenzene

Concen: 21.285 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 105 Resp: 479284

Ion Ratio Lower Upper

105 100

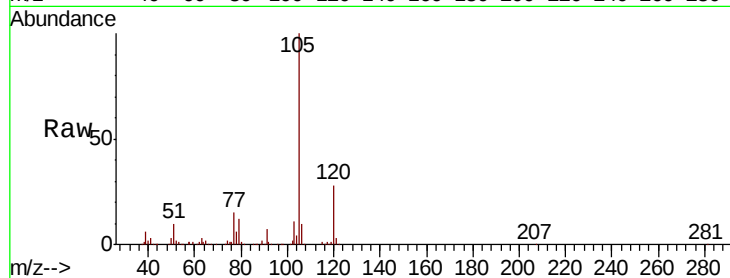
120 27.4 13.4 40.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

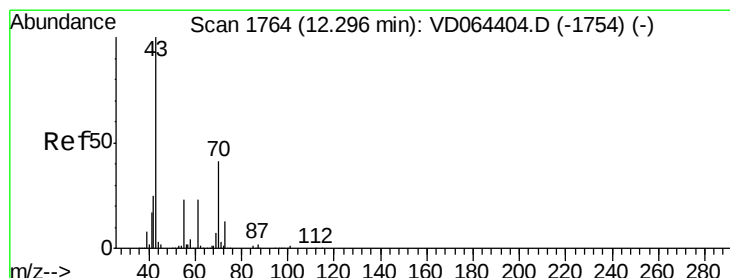
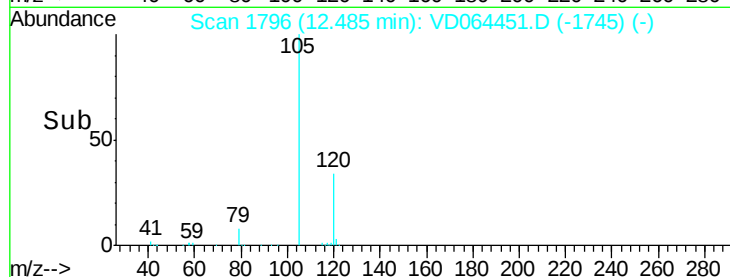
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.240 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion: 43 Resp: 98327

Ion Ratio Lower Upper

43 100

70 43.1 33.4 50.2

55 23.2 18.9 28.3

61 25.5 18.5 27.7

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

12.29

100000

80000

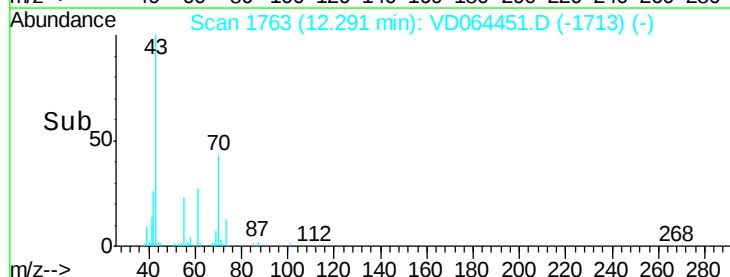
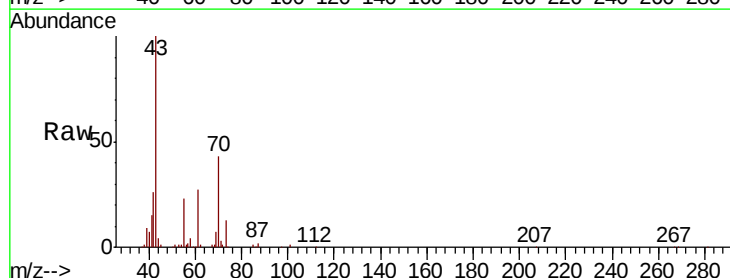
60000

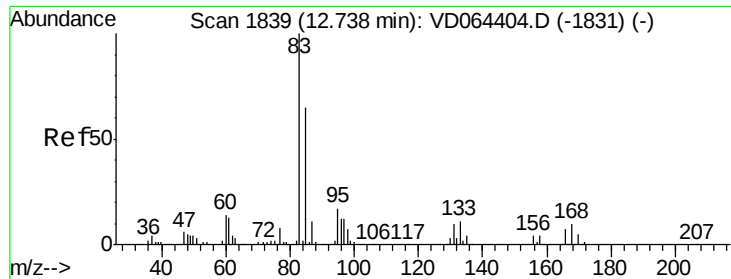
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.697 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

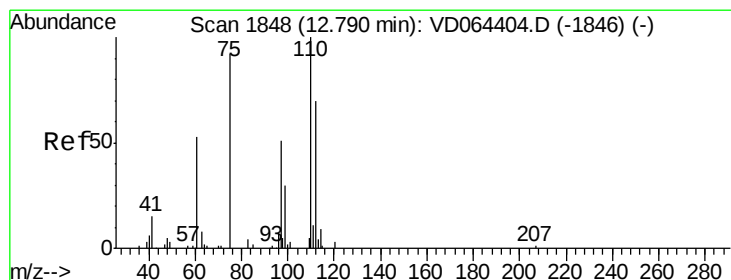
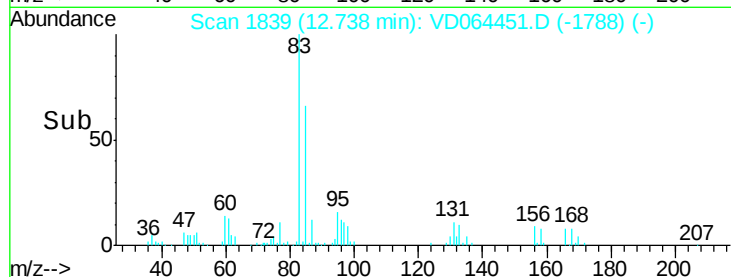
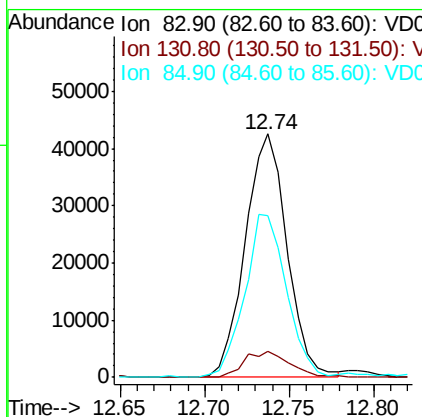
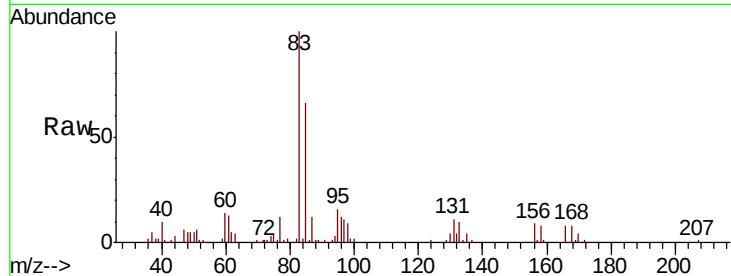
ClientSampleId :

VD1206SBS01

Tot Ion:	83	Resp:	73346
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.7	17.0
85	66.5	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.606 ug/l m

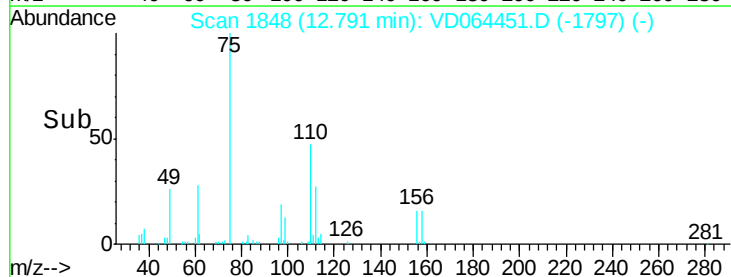
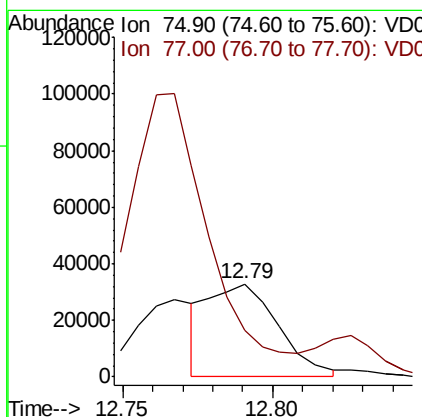
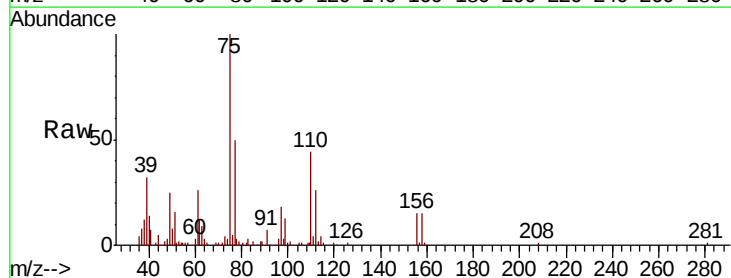
RT: 12.79 min Scan# 1848

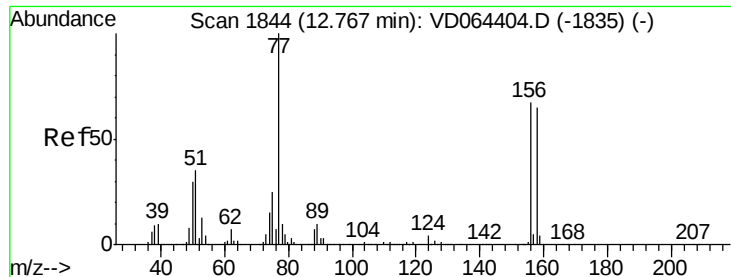
Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion:	75	Resp:	53055
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.545 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

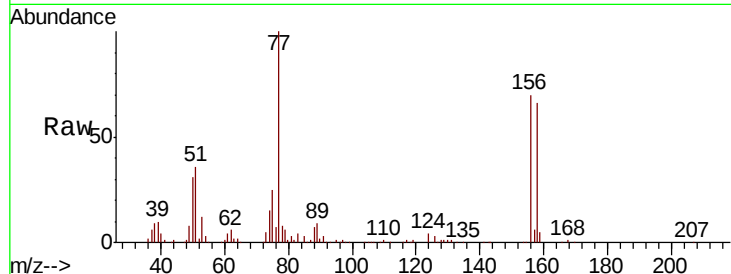
ClientSampleId :

VD1206SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.4	80.0	240.2
158	97.7	48.9	146.6

Manual Integrations
APPROVED

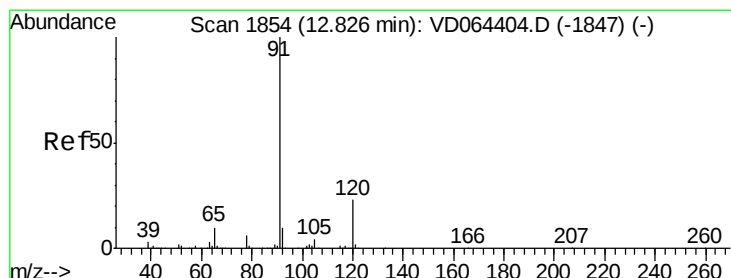
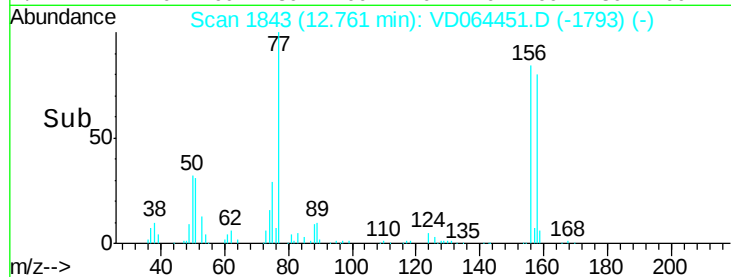
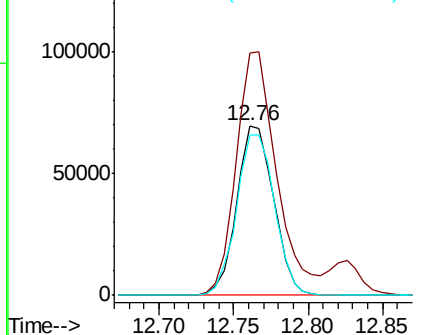
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.773 ug/l

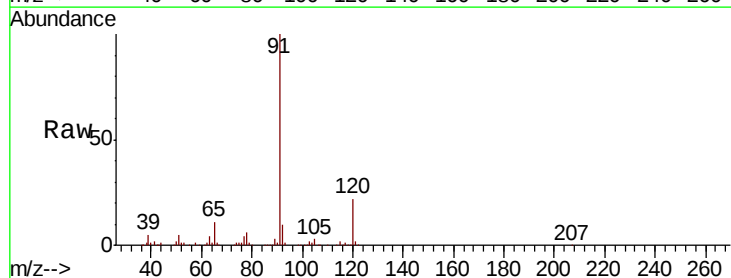
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064451.D

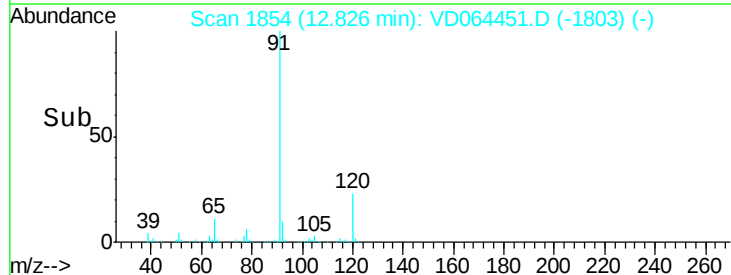
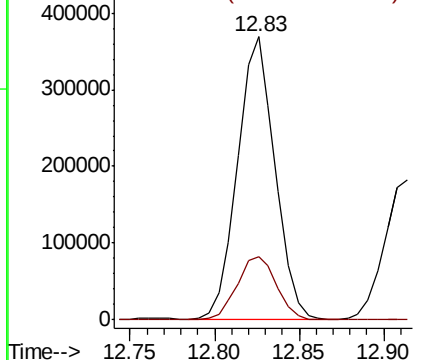
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.438 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion: 91 Resp: 306465

Ion Ratio Lower Upper

91 100

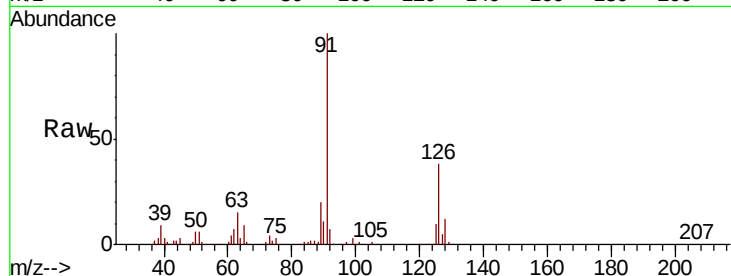
126 36.3 18.0 54.0

Manual Integrations

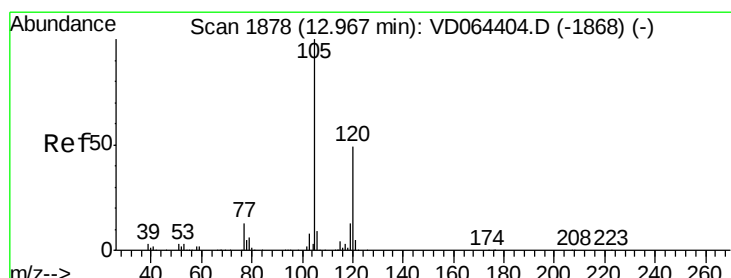
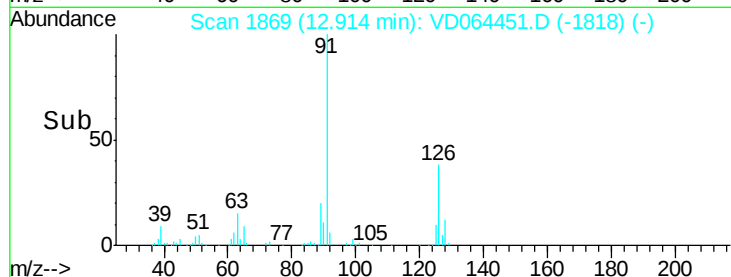
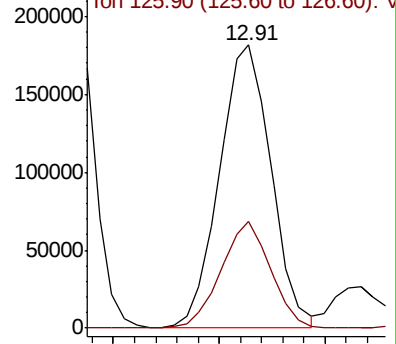
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Abundance Ion 91.00 (90.70 to 91.70): VD064404.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.704 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064451.D

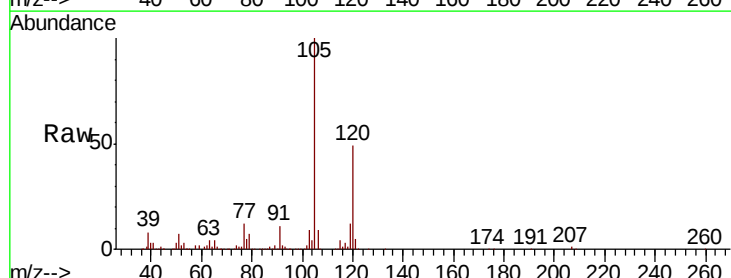
Acq: 06 Dec 2019 11:38

Tgt Ion:105 Resp: 399376

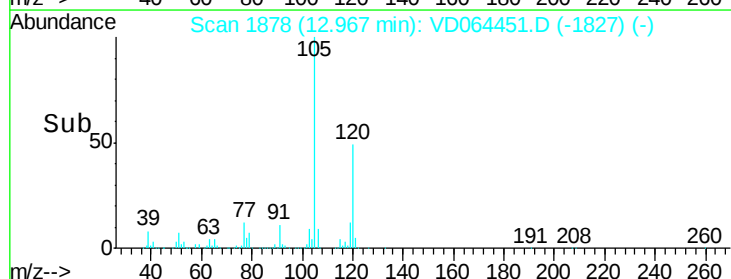
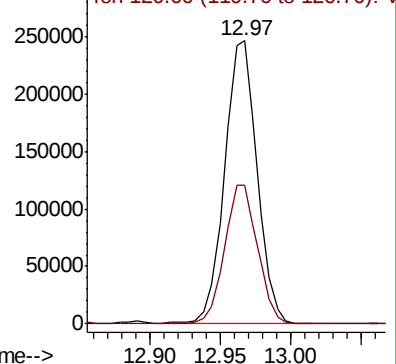
Ion Ratio Lower Upper

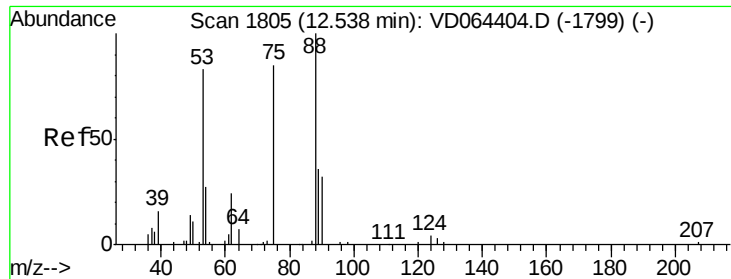
105 100

120 49.8 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): VD064404.D (-1868) (-)





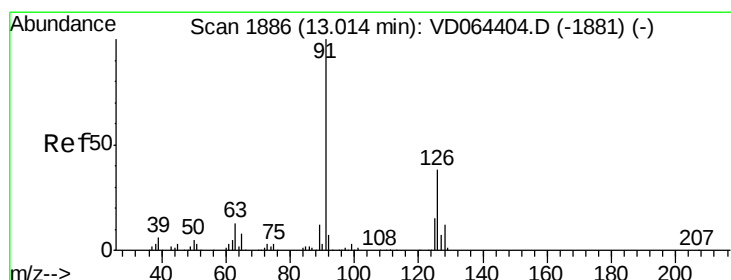
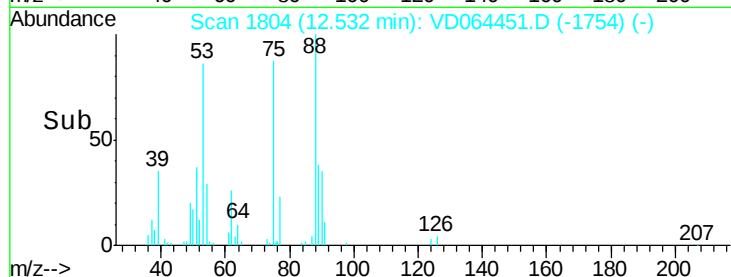
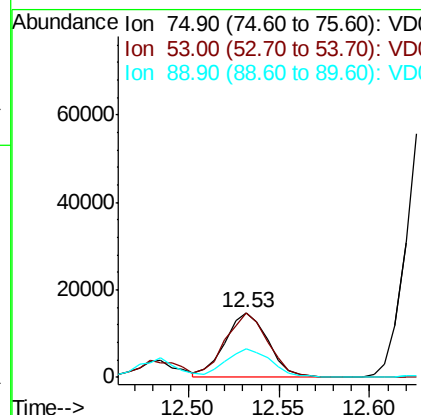
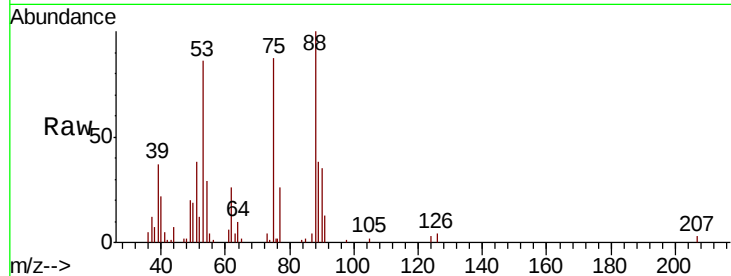
#81
trans-1,4-Dichloro-2-butene
Concen: 20.699 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.8	81.0	121.6
89	45.8	38.5	57.7

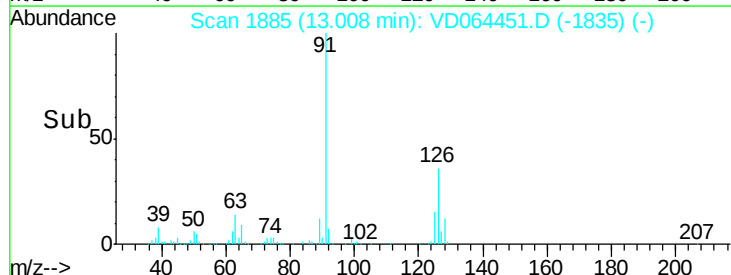
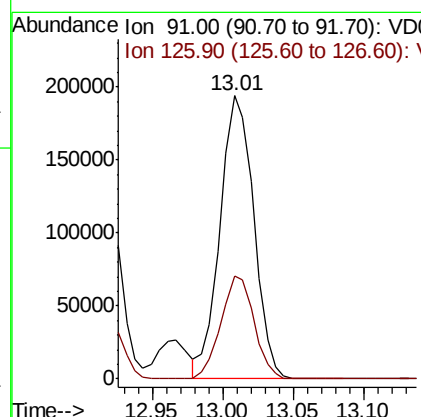
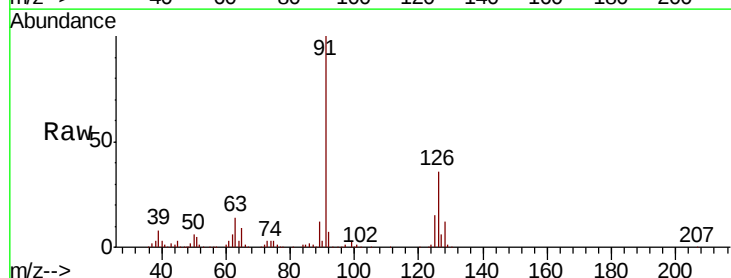
Manual Integrations
APPROVED

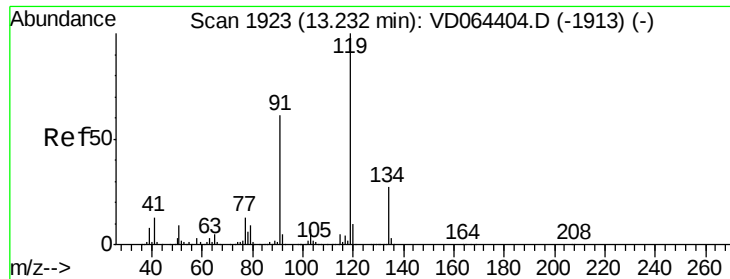
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#82
4-Chlorotoluene
Concen: 21.315 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.2	54.6





#83

tert-Butylbenzene

Concen: 21.736 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

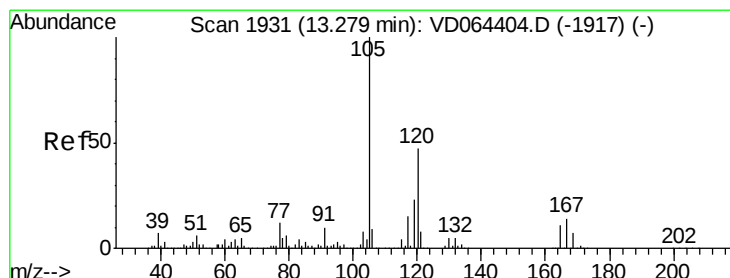
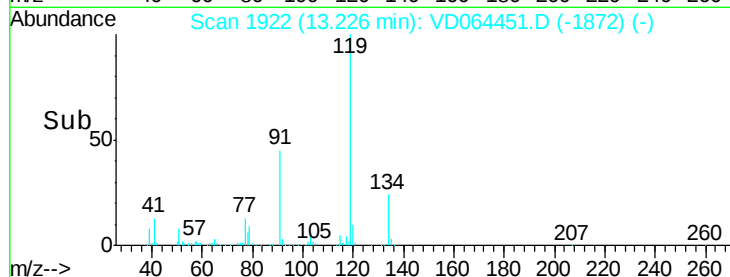
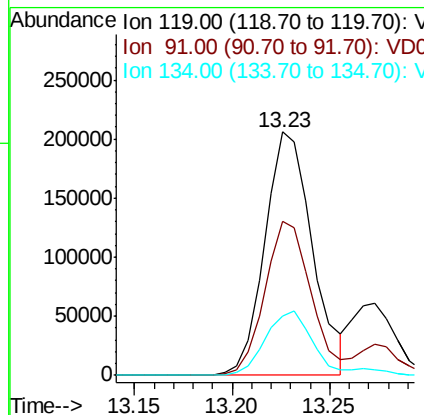
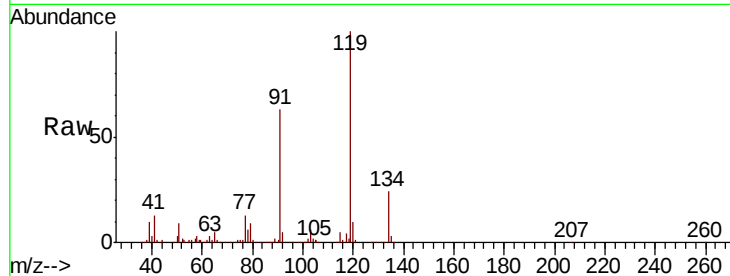
ClientSampleId :

VD1206SBS01

Tot Ion:	119	Resp:	347716
Ion Ratio	Lower	Upper	
119	100		
91	61.1	31.2	93.6
134	26.1	13.9	41.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.837 ug/l

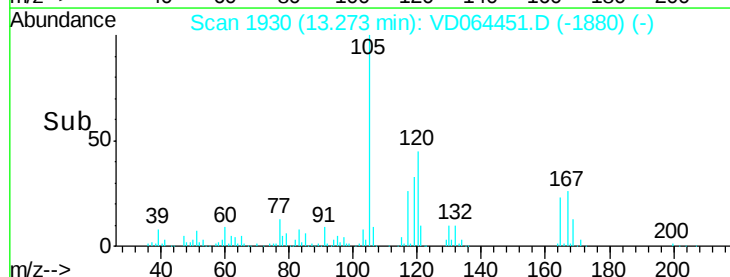
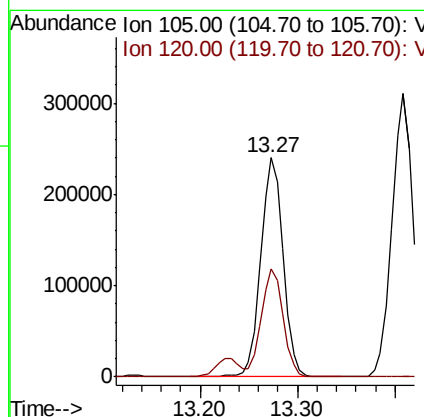
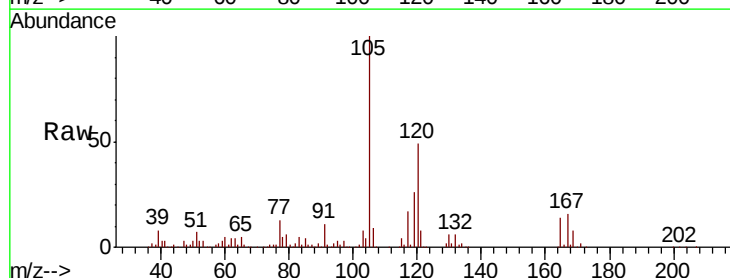
RT: 13.27 min Scan# 1930

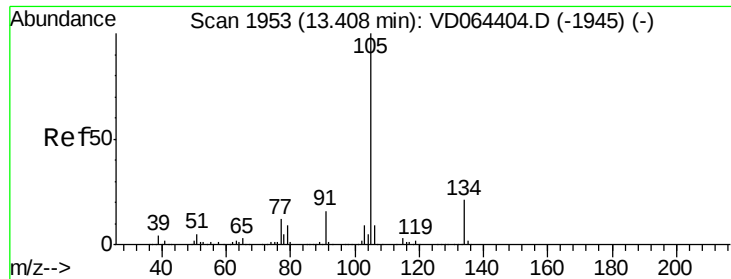
Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Tgt Ion:	105	Resp:	385544
Ion Ratio	Lower	Upper	
105	100		
120	47.6	23.6	70.8





#85

sec-Butylbenzene

Concen: 21.539 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

Instrument :

MSVOA_D

ClientSampleId :

VD1206SBS01

Tot Ion:105 Resp: 472903

Ion Ratio Lower Upper

105 100

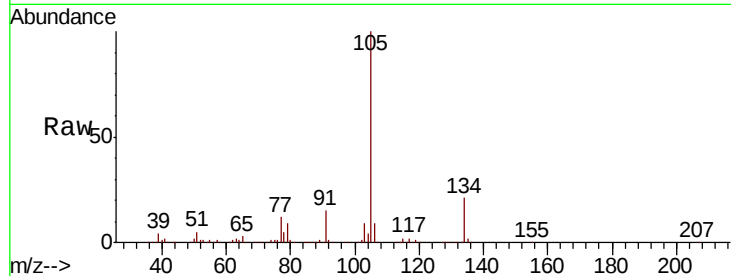
134 21.3 10.5 31.5

Manual Integrations

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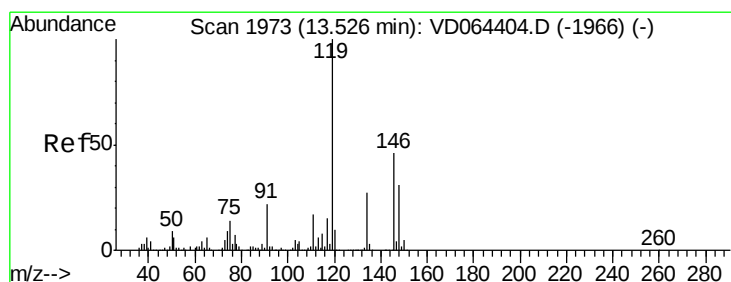
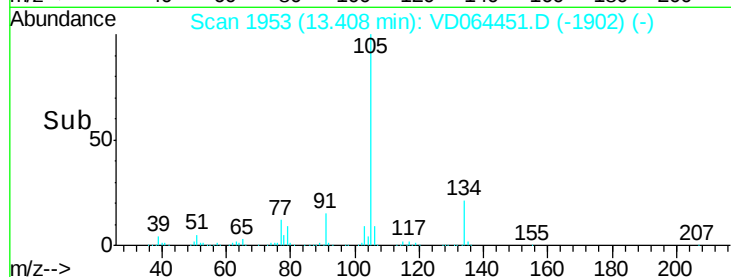
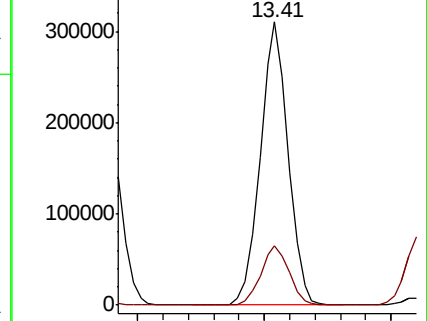
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.143 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064451.D

Acq: 06 Dec 2019 11:38

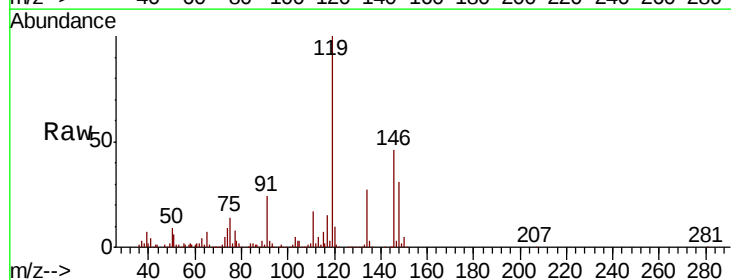
Tgt Ion:119 Resp: 438273

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

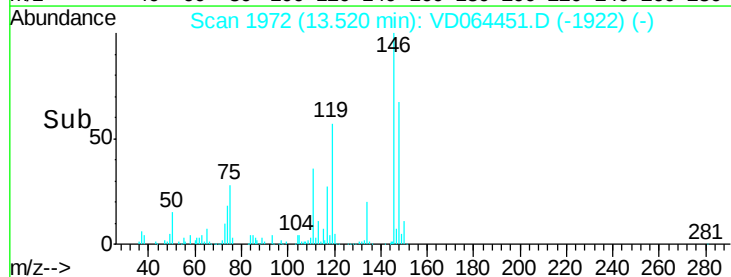
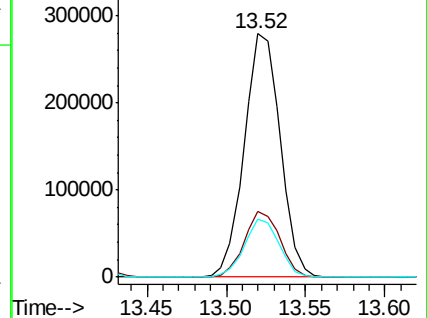
91 23.3 11.2 33.5

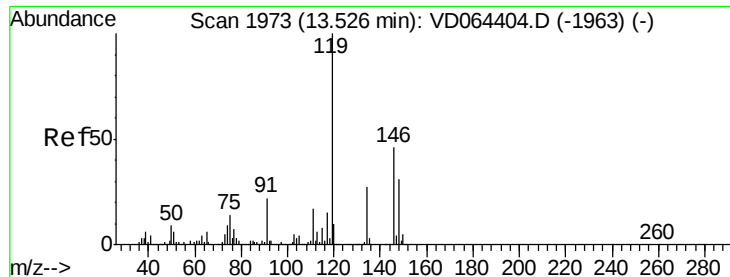


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





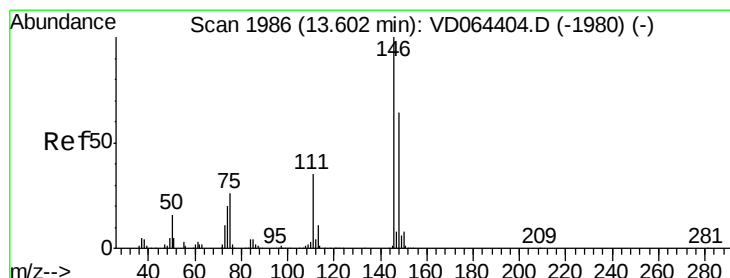
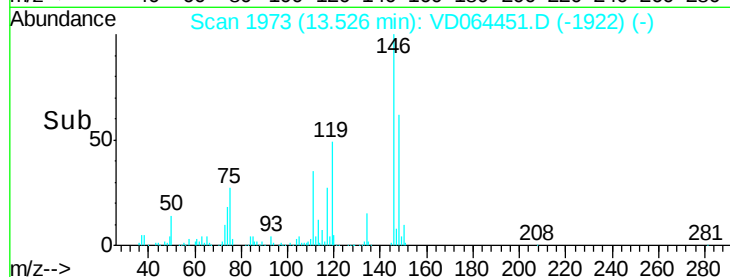
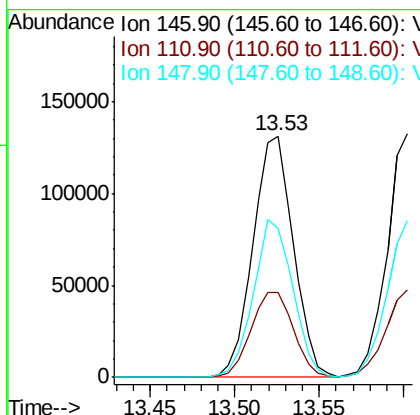
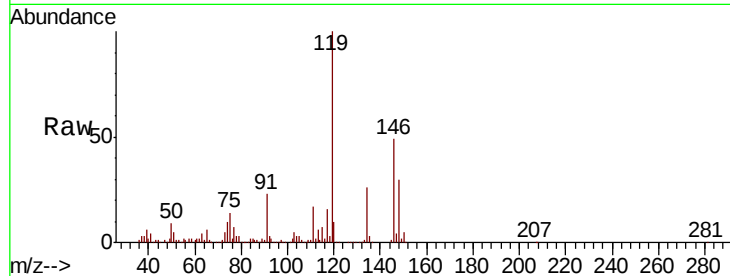
#87
 1,3-Dichlorobenzene
 Concen: 20.579 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.8	56.4
148	64.1	32.6	97.8

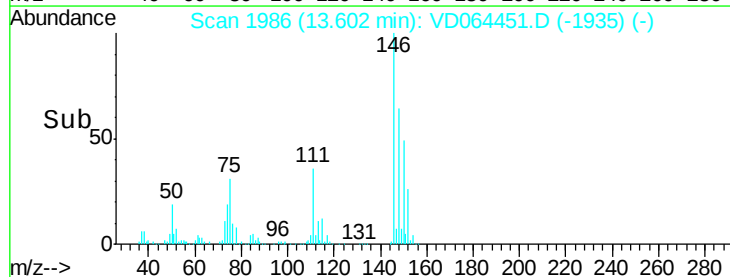
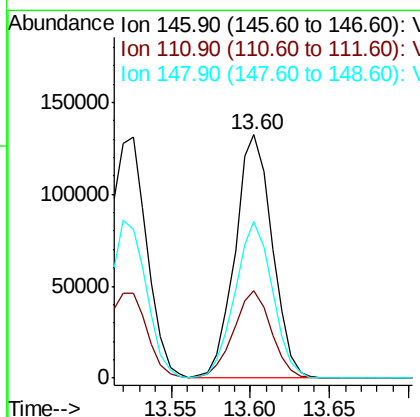
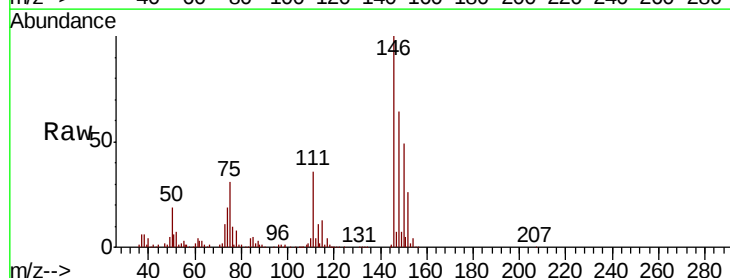
Manual Integrations
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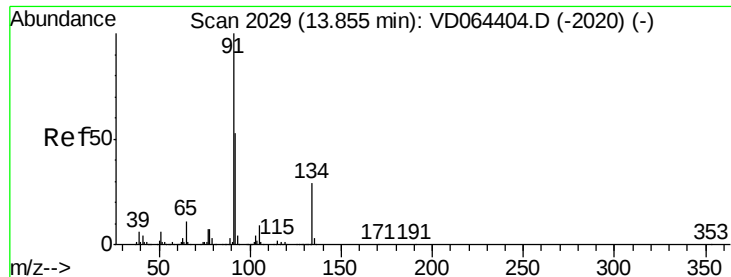
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#88
 1,4-Dichlorobenzene
 Concen: 20.696 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.2	54.6
148	65.1	31.8	95.4





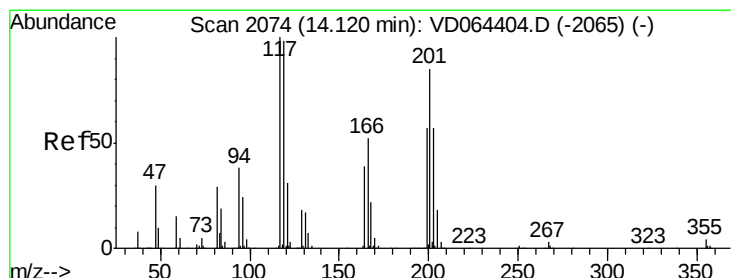
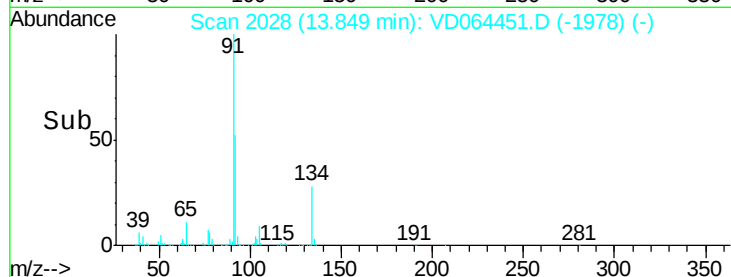
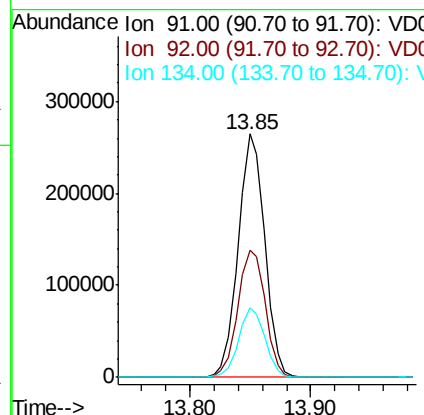
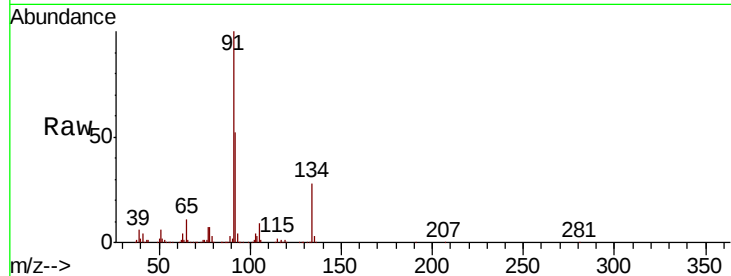
#89
n-Butylbenzene
Concen: 21.568 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.5	79.4
134	28.2	13.9	41.7

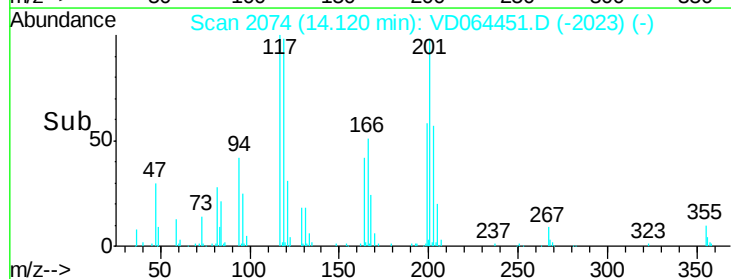
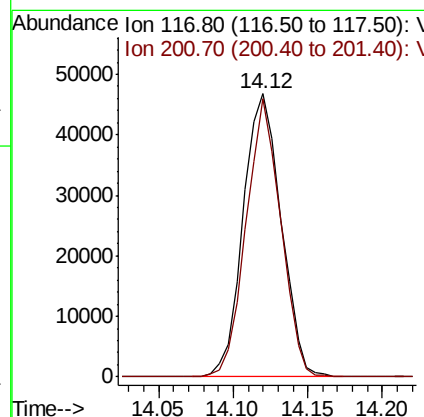
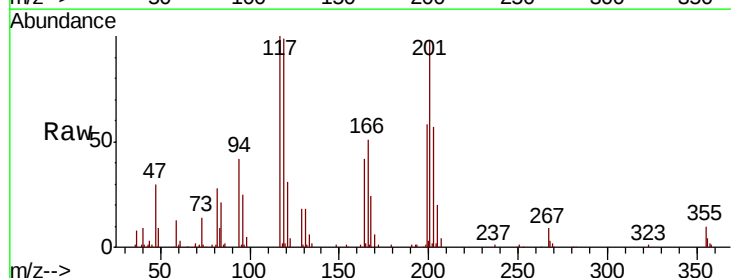
Manual Integrations
APPROVED

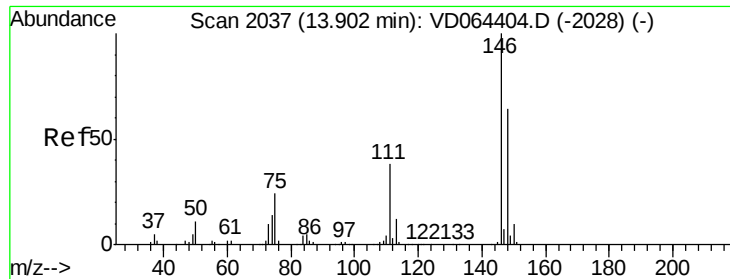
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#90
Hexachloroethane
Concen: 21.302 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.1	44.3	132.8





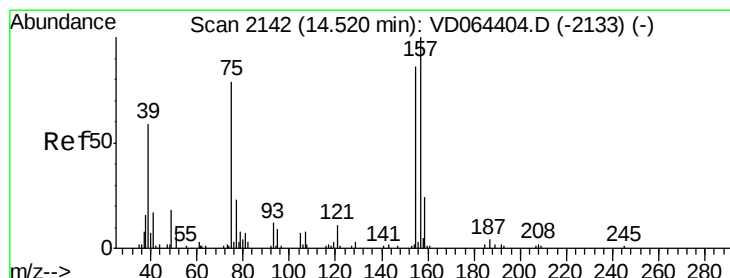
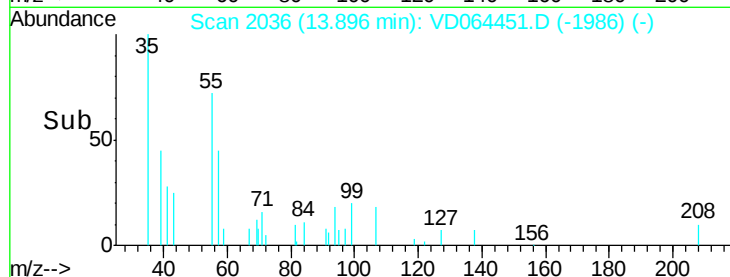
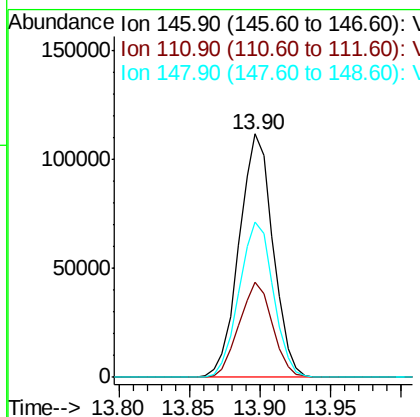
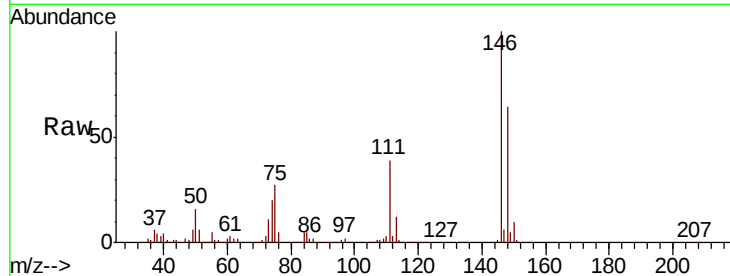
#91
 1,2-Dichlorobenzene
 Concen: 20.724 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.6	32.0	96.0

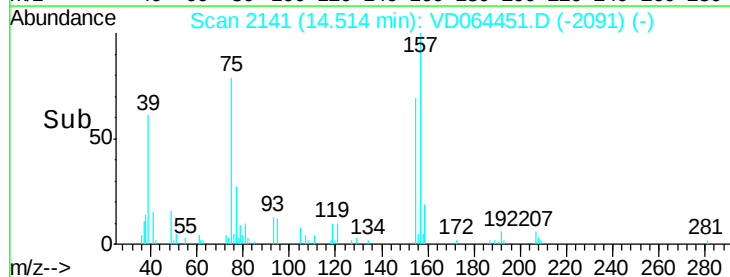
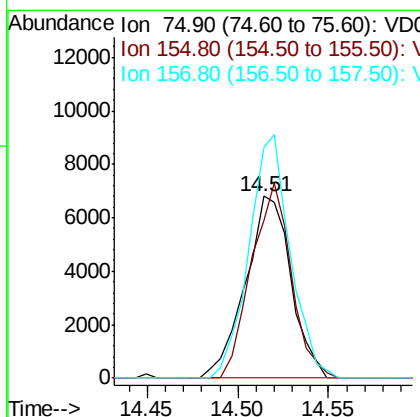
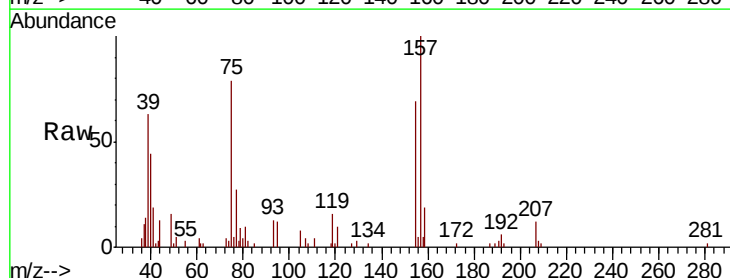
Manual Integrations
 APPROVED

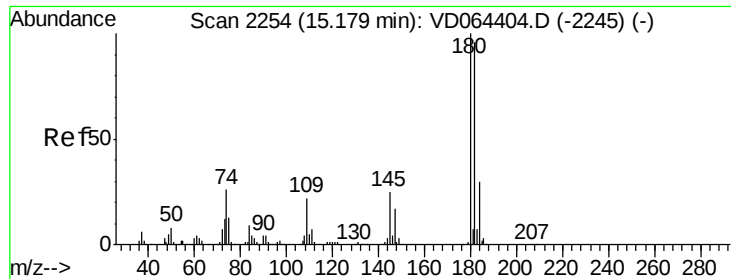
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.626 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	51.9	155.7
157	120.9	63.2	189.8





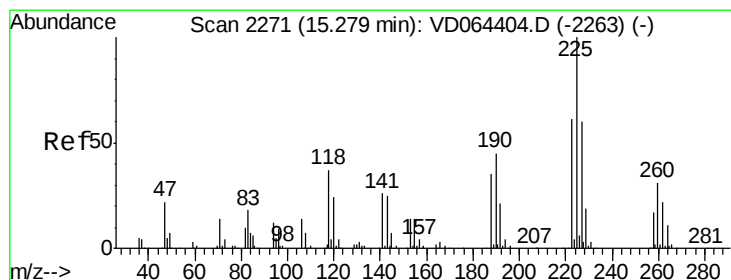
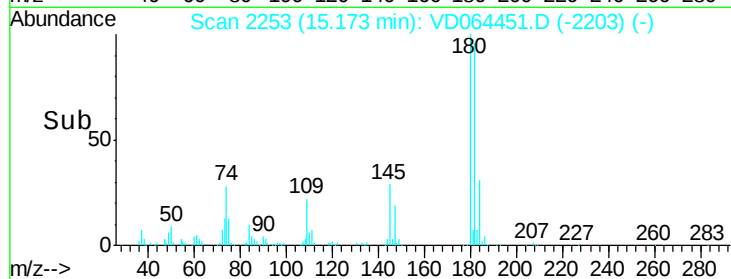
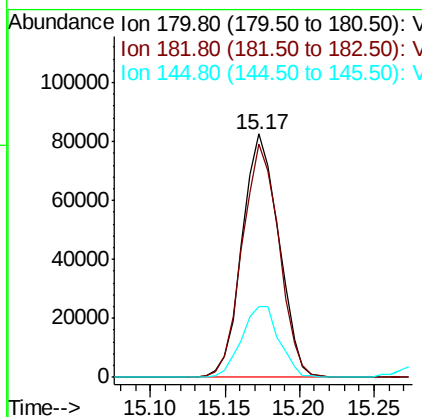
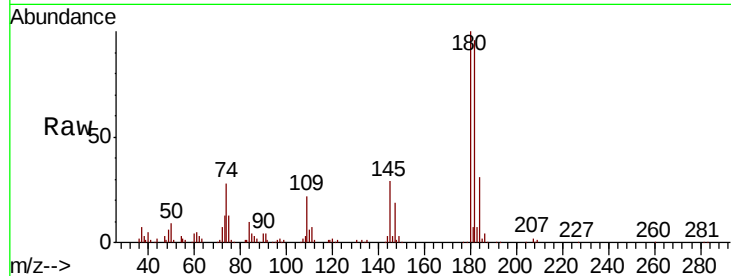
#93
 1,2,4-Trichlorobenzene
 Concen: 20.268 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	140004		
182	96.0	47.4	142.3	
145	30.1	14.0	41.9	

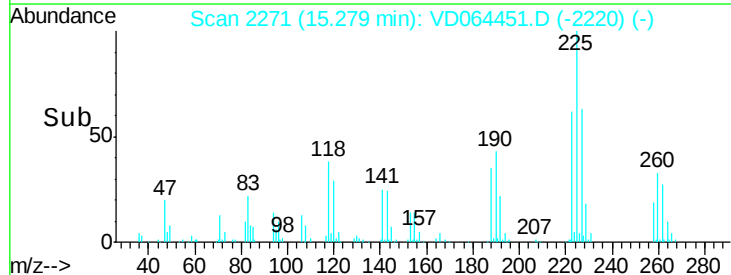
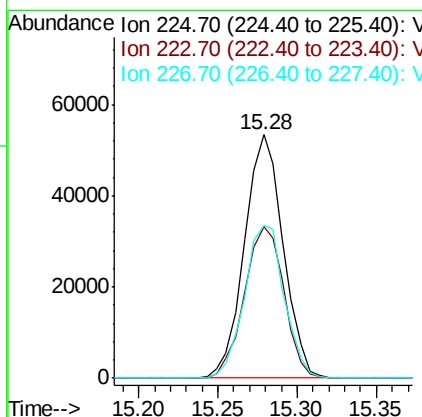
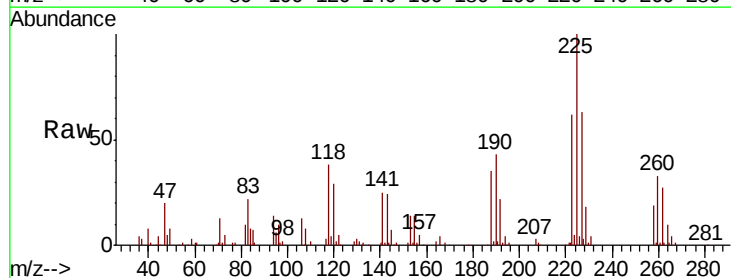
Manual Integrations
 APPROVED

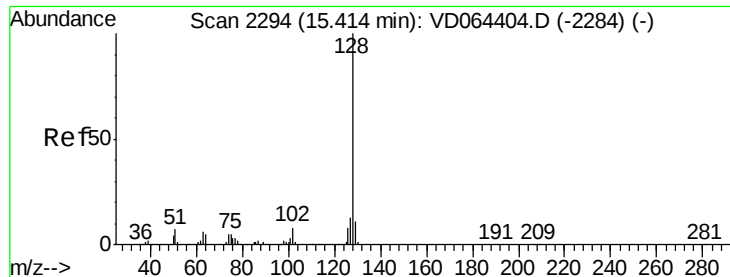
apatel
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#94
 Hexachlorobutadiene
 Concen: 21.169 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064451.D
 Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90272		
223	63.9	31.1	93.3	
227	64.8	31.8	95.4	





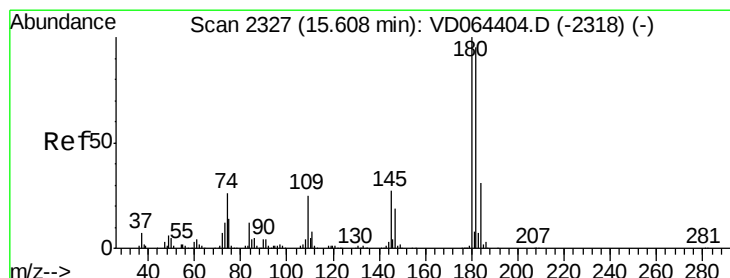
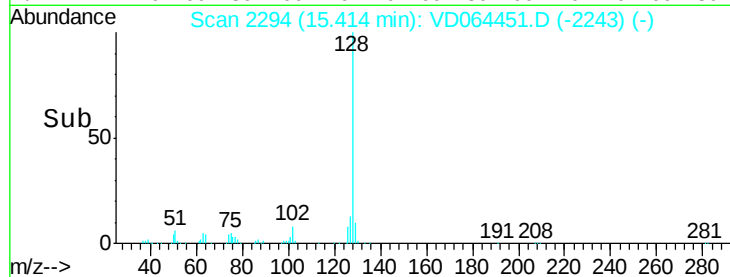
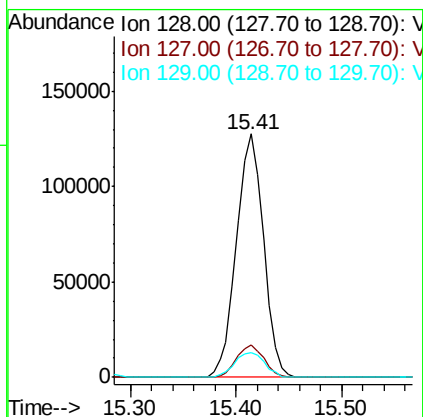
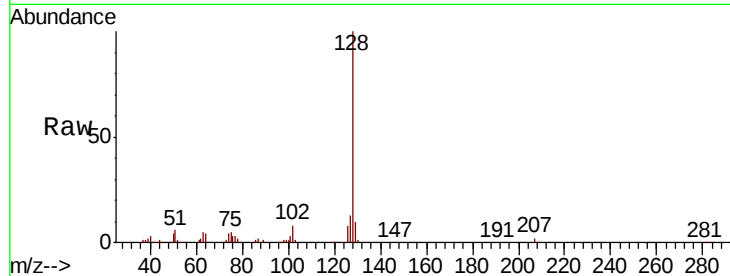
#95
Naphthalene
Concen: 19.684 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Instrument :
MSVOA_D
ClientSampleId :
VD1206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	226913		
127	13.5		10.5	15.7
129	11.3		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.762 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064451.D
Acq: 06 Dec 2019 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	122422		
182	95.4		47.6	142.9
145	29.2		14.6	43.8

