

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067542.D
 Acq On : 05 Nov 2020 17:34
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 06 00:15:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	320672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	460049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	422040	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214483	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	129727	46.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.54%	
35) Dibromofluoromethane	7.92	113	132918	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
50) Toluene-d8	10.34	98	458039	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.64	95	166644	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	123252	47.230	ug/l	99
3) Chloromethane	2.21	50	81624	40.876	ug/l	99
4) Vinyl Chloride	2.35	62	88914	39.937	ug/l	97
5) Bromomethane	2.77	94	73227	40.580	ug/l	97
6) Chloroethane	2.92	64	55902	40.728	ug/l	94
7) Trichlorofluoromethane	3.27	101	260664	45.218	ug/l	97
8) Diethyl Ether	3.71	74	56600	48.728	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	134527	46.232	ug/l	98
10) Methyl Iodide	4.30	142	137525	44.097	ug/l	99
11) Tert butyl alcohol	5.22	59	35937	301.580	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	122695	45.842	ug/l	99
13) Acrolein	3.92	56	30455	245.310	ug/l	98
14) Allyl chloride	4.71	41	131832	46.022	ug/l	99
15) Acrylonitrile	5.42	53	106247	247.446	ug/l	99
16) Acetone	4.16	43	96777	230.646	ug/l	99
17) Carbon Disulfide	4.41	76	360521	43.958	ug/l	99
18) Methyl Acetate	4.71	43	39899	46.016	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	263714	49.952	ug/l #	92
20) Methylene Chloride	4.97	84	139384	47.027	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	140325	45.013	ug/l	95
22) Diisopropyl ether	6.36	45	271074	48.561	ug/l	96
23) Vinyl Acetate	6.31	43	742343	254.055	ug/l	97
24) 1,1-Dichloroethane	6.26	63	211257	46.260	ug/l	99
25) 2-Butanone	7.21	43	107864	240.583	ug/l	91
26) 2,2-Dichloropropane	7.21	77	219439	45.530	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	155420	48.032	ug/l	98
28) Bromochloromethane	7.54	49	78801	48.511	ug/l	98
29) Tetrahydrofuran	7.56	42	69970	260.537	ug/l	99
30) Chloroform	7.71	83	258025	47.361	ug/l	99
31) Cyclohexane	7.99	56	170314	41.880	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	257077	45.733	ug/l	98
36) 1,1-Dichloropropene	8.11	75	186493	47.358	ug/l	98
37) Ethyl Acetate	7.29	43	51421	50.296	ug/l #	95
38) Carbon Tetrachloride	8.10	117	249559	48.776	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	220676	47.612	ug/l	94
40) Benzene	8.36	78	512297	48.026	ug/l	100
41) Methacrylonitrile	7.56	41	73798	120.760	ug/l #	13
42) 1,2-Dichloroethane	8.43	62	160723	48.767	ug/l	99
43) Isopropyl Acetate	8.46	43	102254	50.573	ug/l	100
44) Trichloroethene	9.11	130	169984	48.465	ug/l	91
45) 1,2-Dichloropropane	9.39	63	112925	48.964	ug/l	97
46) Dibromomethane	9.48	93	72002	49.102	ug/l	98
47) Bromodichloromethane	9.67	83	200001	50.180	ug/l	99
48) Methyl methacrylate	9.46	41	49983	47.878	ug/l	92
49) 1,4-Dioxane	9.46	88	16003	1075.010	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	252008	260.611	ug/l	99
52) Toluene	10.41	92	347433	48.628	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	175687	51.468	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	198775	49.012	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	96102	49.532	ug/l	96
56) Ethyl methacrylate	10.67	69	105467	52.639	ug/l	96
57) 1,3-Dichloropropane	10.95	76	154034	49.336	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	250357	267.952	ug/l	100
59) 2-Hexanone	10.99	43	179089	264.878	ug/l	100
60) Dibromochloromethane	11.14	129	142767	49.743	ug/l	98
61) 1,2-Dibromoethane	11.25	107	99174	50.930	ug/l	99
64) Tetrachloroethene	10.88	164	146157	46.761	ug/l	98
65) Chlorobenzene	11.67	112	389533	47.915	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	154829	48.321	ug/l	99
67) Ethyl Benzene	11.75	91	685011	49.241	ug/l	98
68) m/p-Xylenes	11.86	106	525674	97.128	ug/l	100
69) o-Xylene	12.18	106	235738	48.786	ug/l	99
70) Styrene	12.20	104	413515	49.111	ug/l	98
71) Bromoform	12.37	173	83596	51.156	ug/l #	98
73) Isopropylbenzene	12.48	105	662464	47.791	ug/l	99
74) N-amyl acetate	12.29	43	91666	50.256	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	93540	49.487	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	131469	101.608	ug/l #	100
77) Bromobenzene	12.77	156	166307	48.853	ug/l	98
78) n-propylbenzene	12.83	91	750576	47.339	ug/l	100
79) 2-Chlorotoluene	12.91	91	436952	48.515	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	574046	48.478	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	30563	47.957	ug/l	95
82) 4-Chlorotoluene	13.01	91	461841	47.812	ug/l	99
83) tert-Butylbenzene	13.23	119	476662	47.497	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	575810	48.851	ug/l	99
85) sec-Butylbenzene	13.41	105	653046	48.204	ug/l	99
86) p-Isopropyltoluene	13.52	119	620901	47.460	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	303928	46.788	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305116	46.388	ug/l	99
89) n-Butylbenzene	13.84	91	543275	48.077	ug/l	99
90) Hexachloroethane	14.11	117	115937	47.059	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	267900	47.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17968	53.689	ug/l	91

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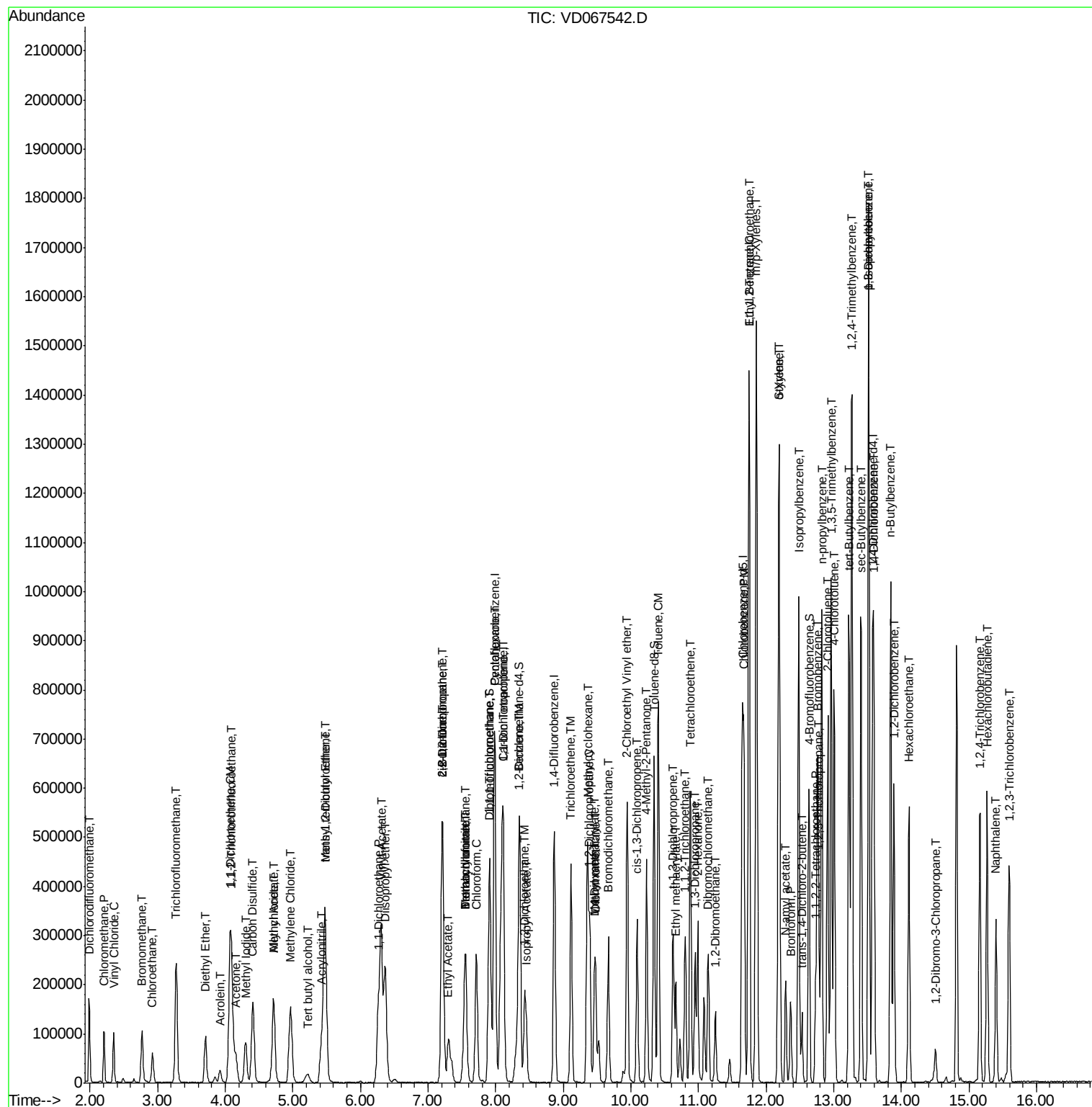
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182575	47.849	ug/l	98
94) Hexachlorobutadiene	15.27	225	115350	45.169	ug/l	99
95) Naphthalene	15.40	128	302004	51.287	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	160807	49.214	ug/l	98

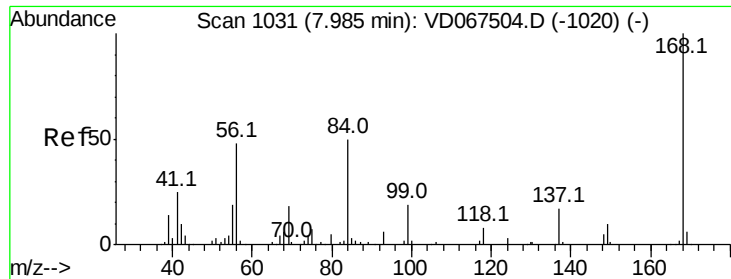
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
Data File : VD067542.D
Acq On : 05 Nov 2020 17:34
Operator : VA/SY
Sample : VSTDC0050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 06 00:15:49 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

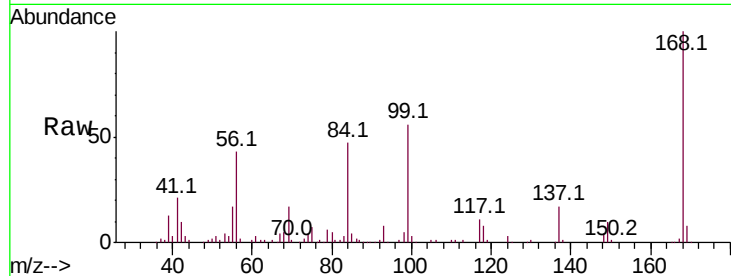
ClientSampleId :

Tot Ion:168 Resp: 320672

Ion Ratio Lower Upper

168 100

99 55.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

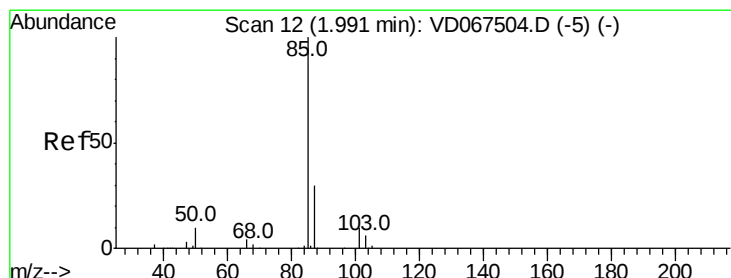
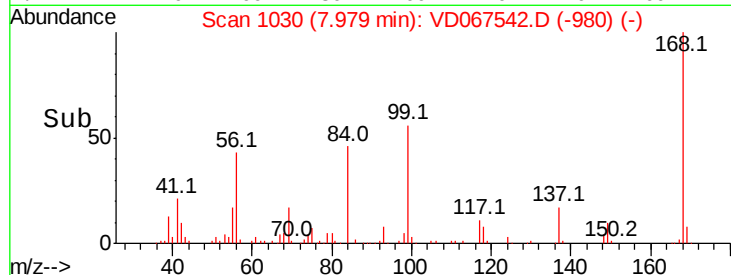
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.230 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067542.D

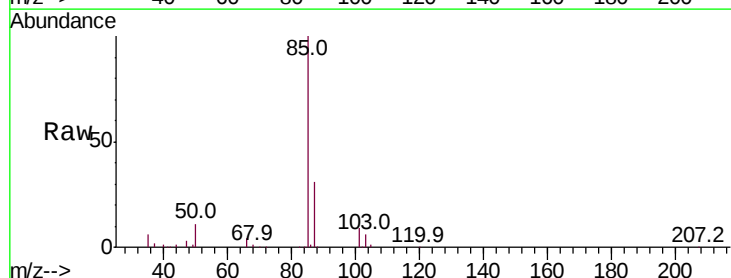
Acq: 05 Nov 2020 17:34

Tgt Ion: 85 Resp: 123252

Ion Ratio Lower Upper

85 100

87 30.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

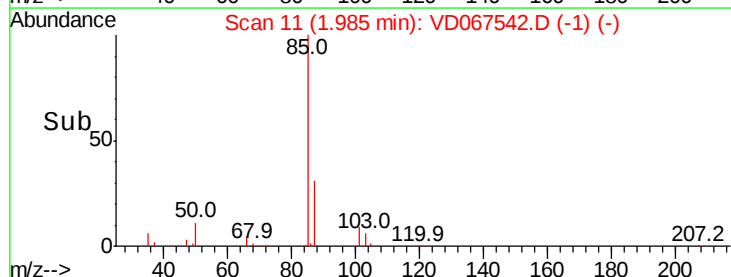
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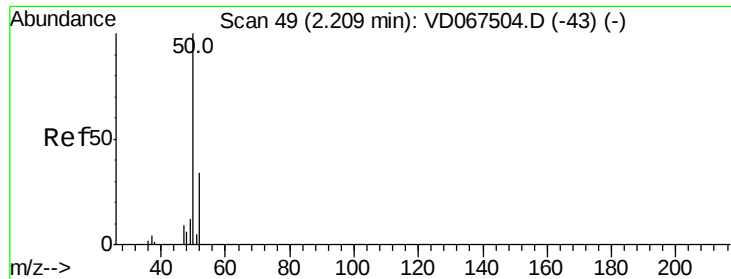
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.876 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

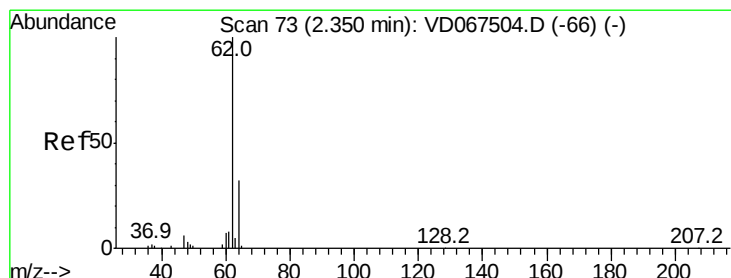
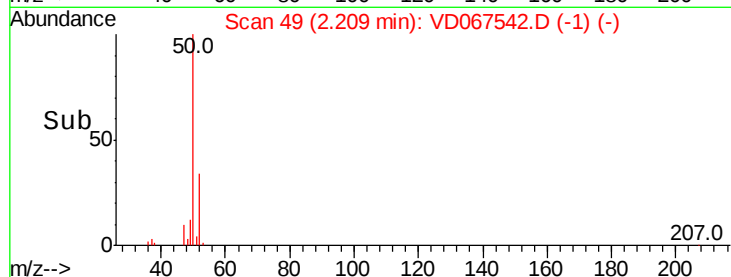
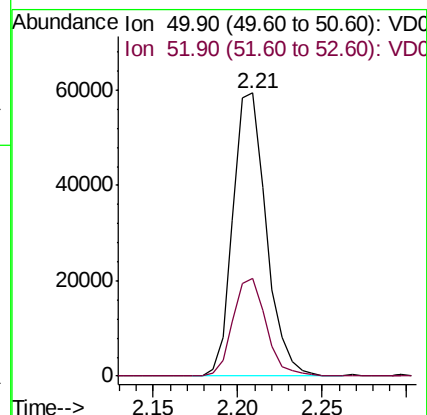
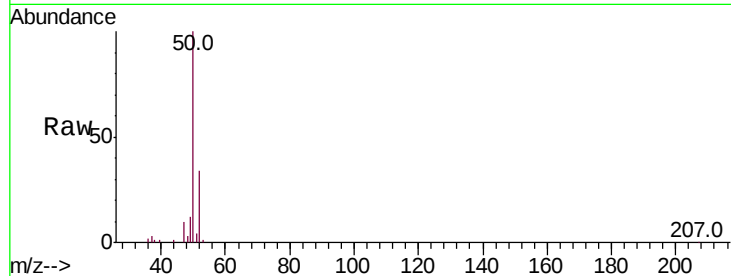
ClientSampleId :

Tot Ion: 50 Resp: 81624

Ion Ratio Lower Upper

50 100

52 34.5 27.3 40.9



#4

Vinyl Chloride

Concen: 39.937 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067542.D

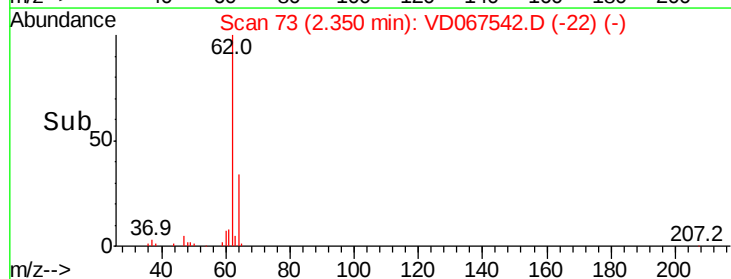
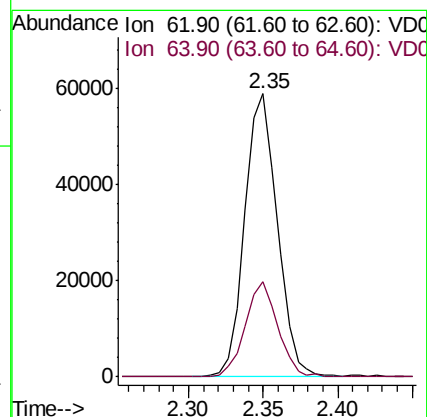
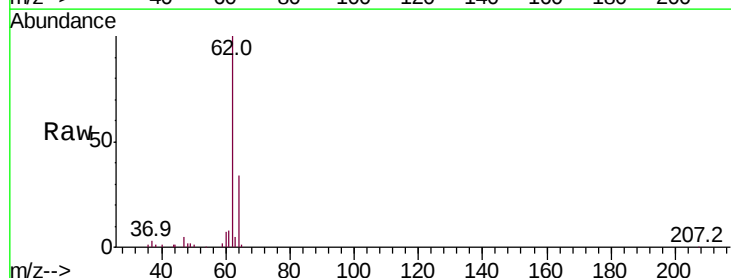
Acq: 05 Nov 2020 17:34

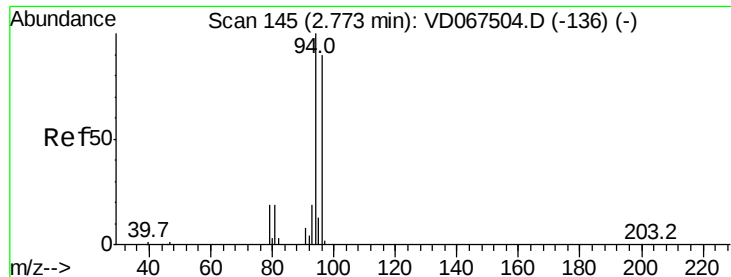
Tgt Ion: 62 Resp: 88914

Ion Ratio Lower Upper

62 100

64 33.9 25.6 38.4





#5

Bromomethane

Concen: 40.580 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

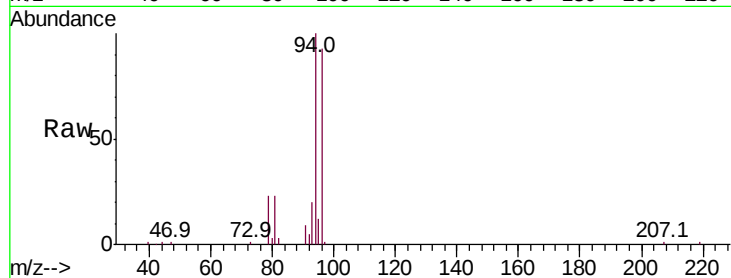
ClientSampleId :

Tot Ion: 94 Resp: 73227

Ion Ratio Lower Upper

94 100

96 92.9 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

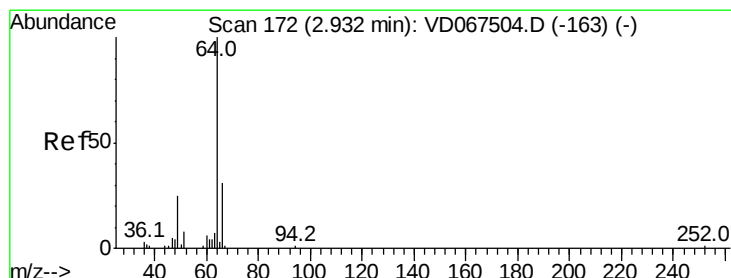
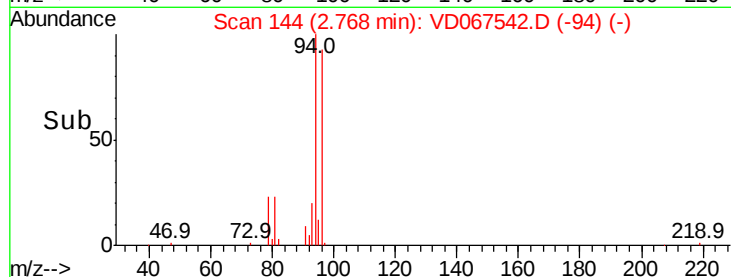
30000

20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 40.728 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067542.D

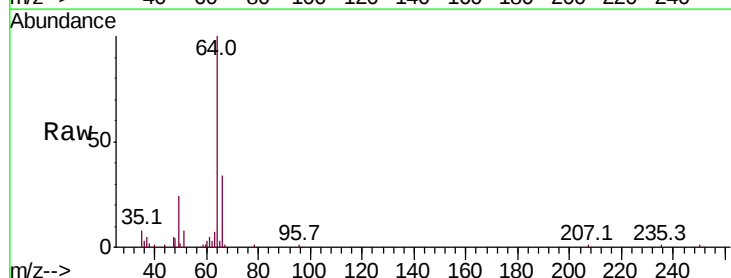
Acq: 05 Nov 2020 17:34

Tgt Ion: 64 Resp: 55902

Ion Ratio Lower Upper

64 100

66 33.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

30000

25000

20000

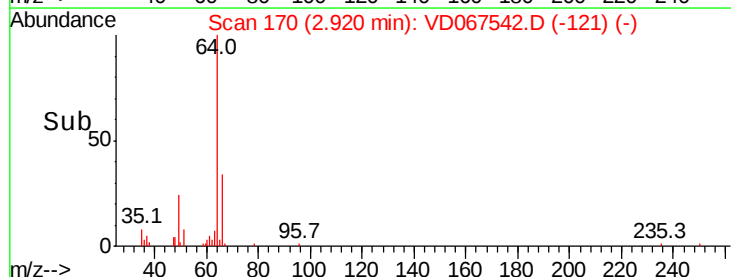
15000

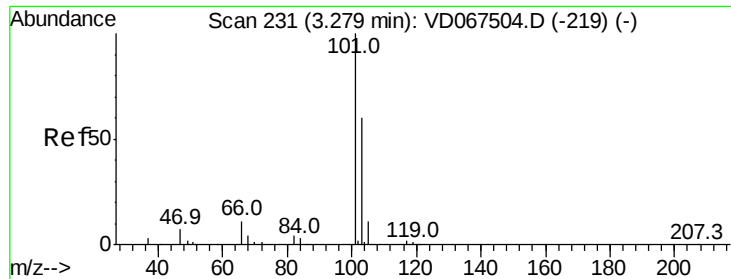
10000

5000

0

Time--> 2.85 2.90 2.95 3.00



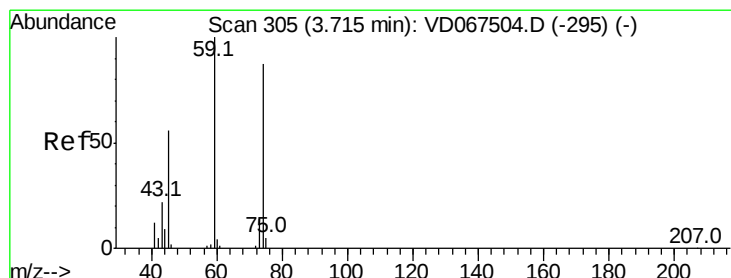
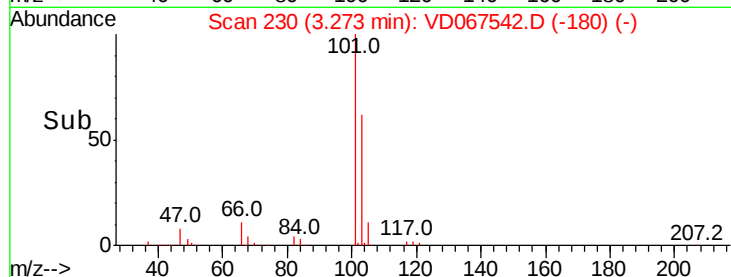
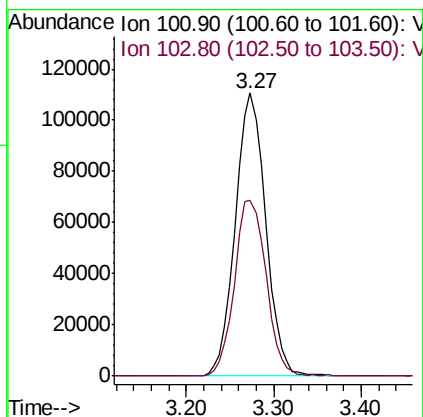
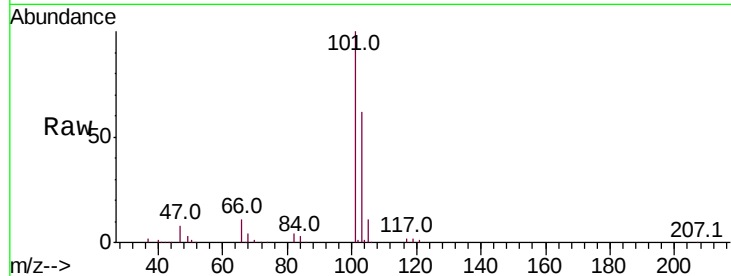


#7

Trichlorofluoromethane
 Concen: 45.218 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

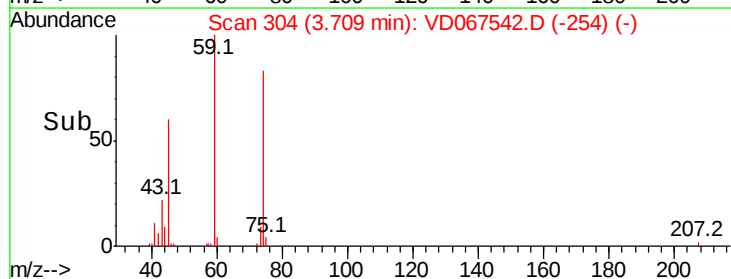
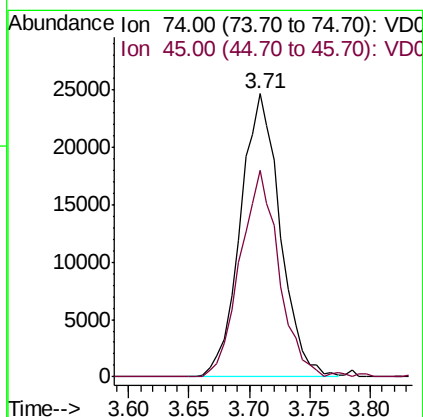
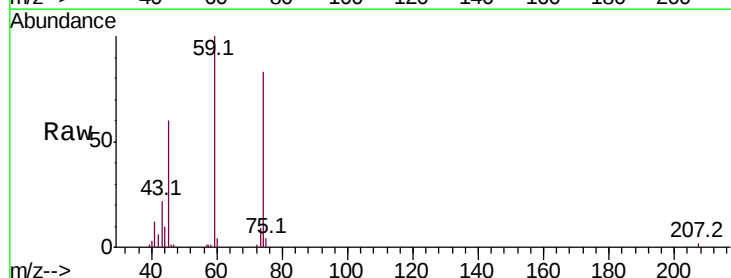
Tot Ion:101 Resp: 260664
 Ion Ratio Lower Upper
 101 100
 103 62.1 48.1 72.1

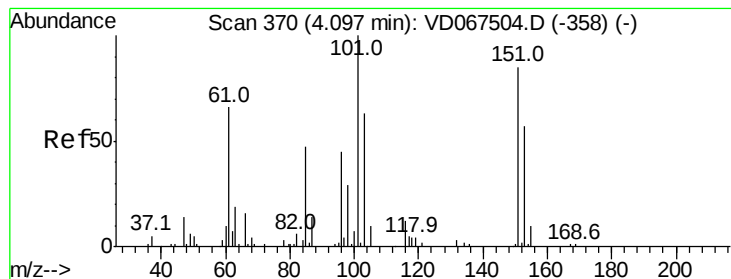


#8

Diethyl Ether
 Concen: 48.728 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion: 74 Resp: 56600
 Ion Ratio Lower Upper
 74 100
 45 70.7 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.232 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

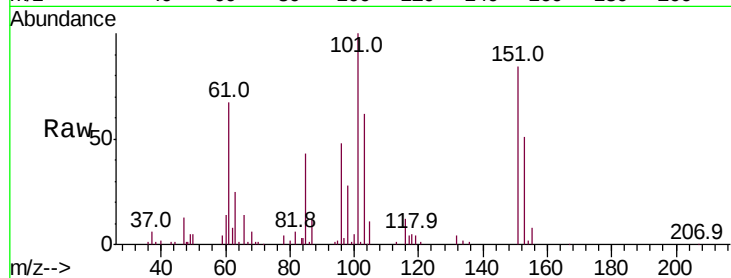
Tot Ion:101 Resp: 134527

Ion Ratio Lower Upper

101 100

85 42.7 34.4 51.6

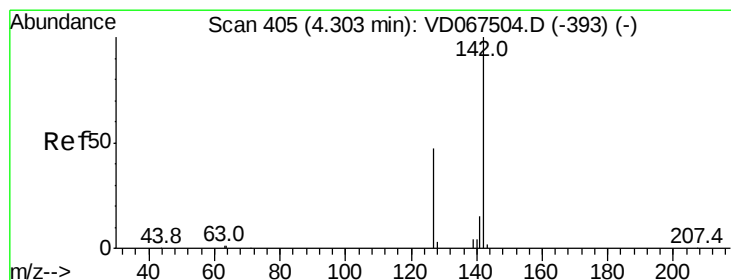
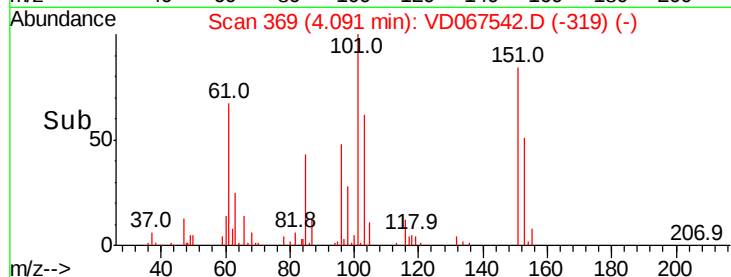
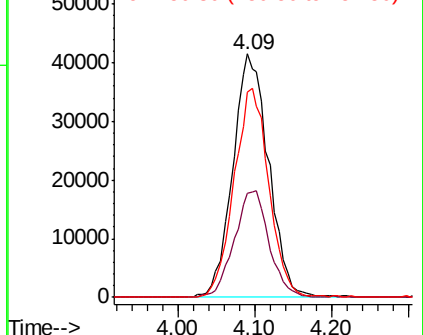
151 83.2 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 44.097 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

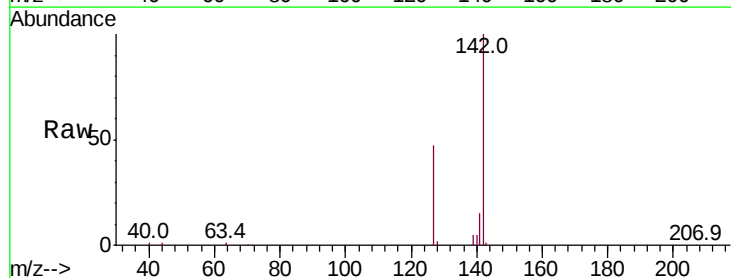
Tgt Ion:142 Resp: 137525

Ion Ratio Lower Upper

142 100

127 49.1 40.0 60.0

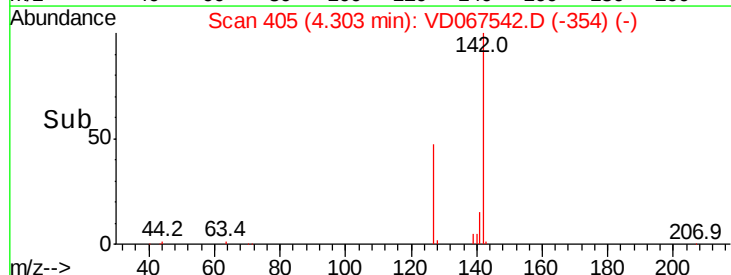
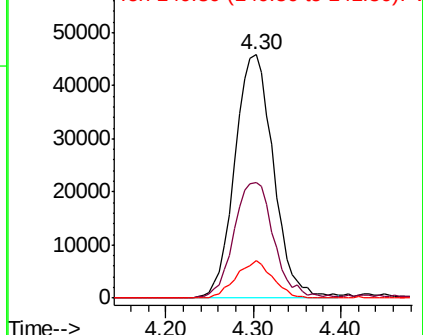
141 14.6 11.7 17.5

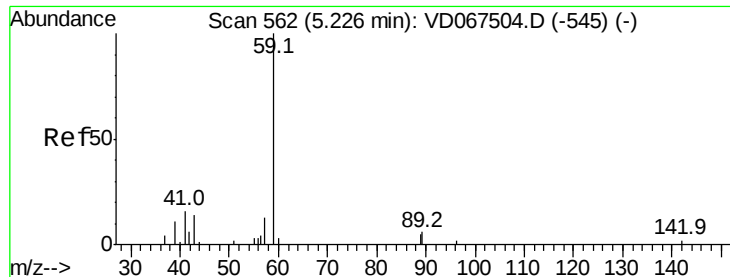


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



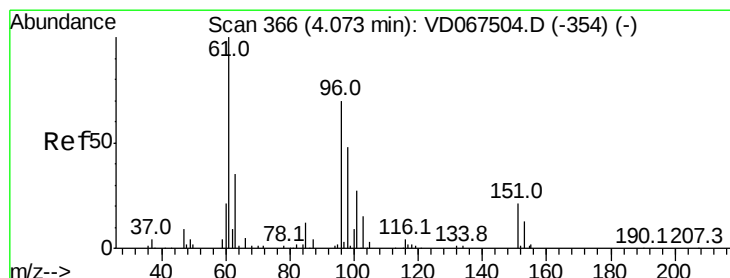
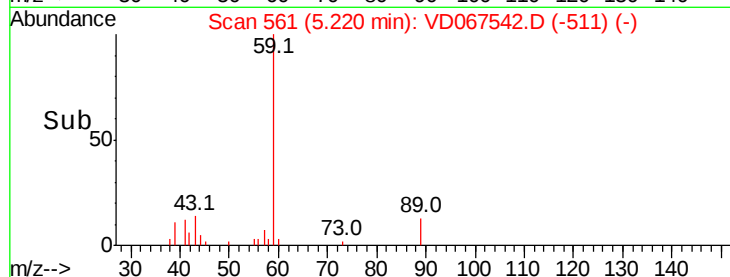
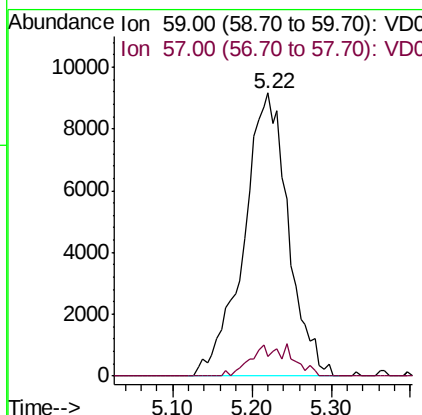
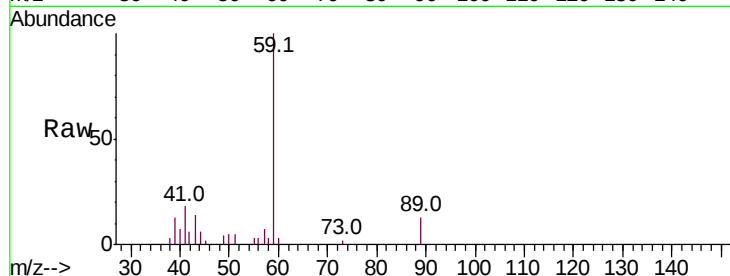


#11

Tert butyl alcohol
 Concen: 301.580 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleID :

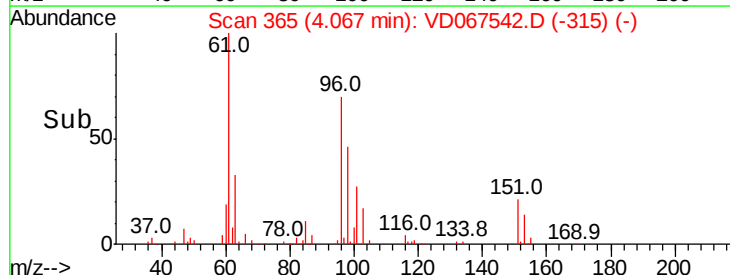
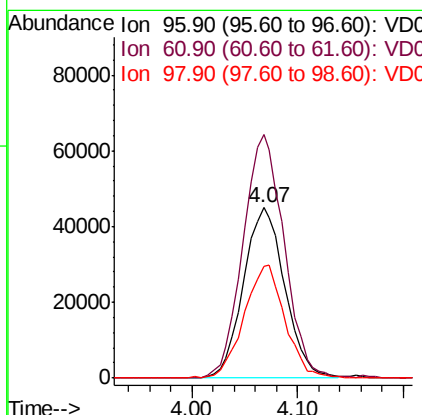
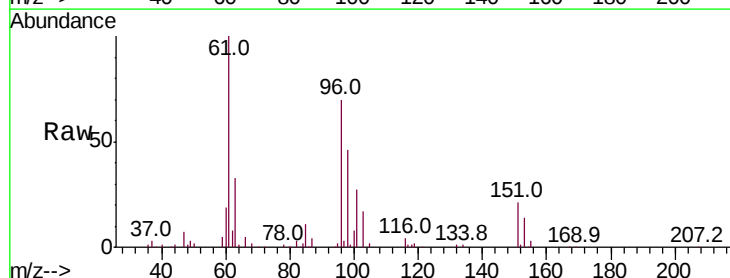
Tot Ion: 59 Resp: 35937
 Ion Ratio Lower Upper
 59 100
 57 5.3 5.9 8.9#

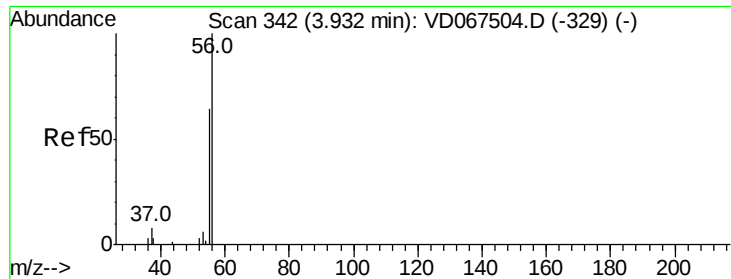


#12

1,1-Dichloroethene
 Concen: 45.842 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion: 96 Resp: 122695
 Ion Ratio Lower Upper
 96 100
 61 143.1 114.5 171.7
 98 65.9 54.5 81.7





#13

Acrolein

Concen: 245.310 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

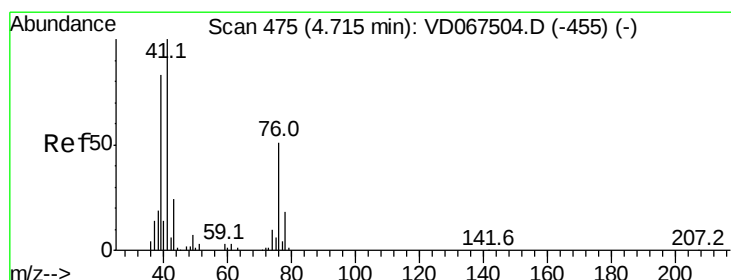
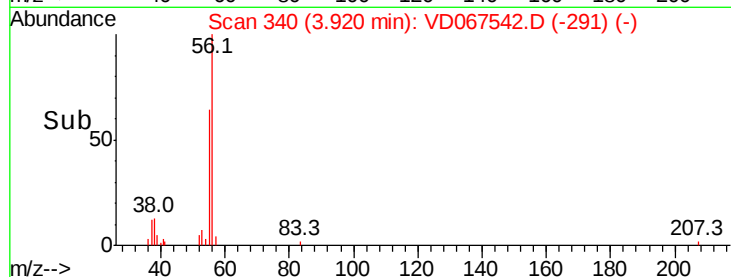
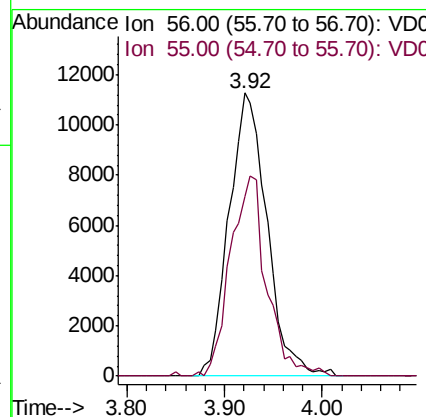
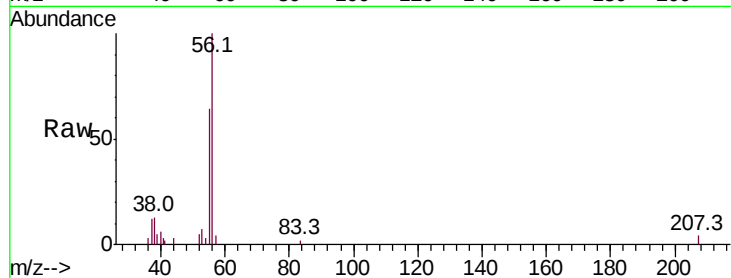
ClientSampleId :

Tot Ion: 56 Resp: 30455

Ion Ratio Lower Upper

56 100

55 67.9 55.8 83.8



#14

Allyl chloride

Concen: 46.022 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

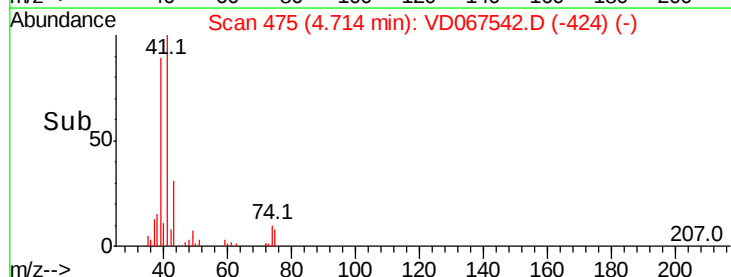
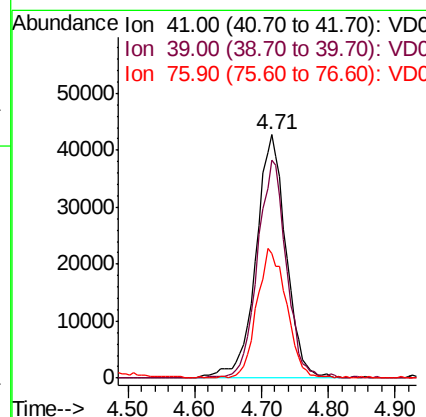
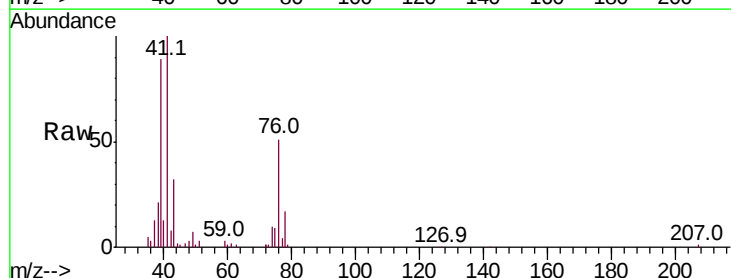
Tgt Ion: 41 Resp: 131832

Ion Ratio Lower Upper

41 100

39 85.7 67.4 101.0

76 52.3 42.2 63.2





#15

Acrylonitrile

Concen: 247.446 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

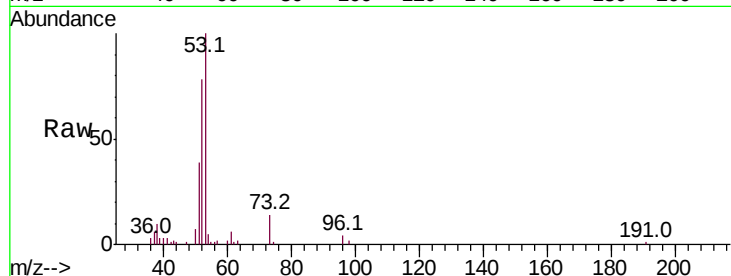
Tot Ion: 53 Resp: 106247

Ion Ratio Lower Upper

53 100

52 80.4 64.8 97.2

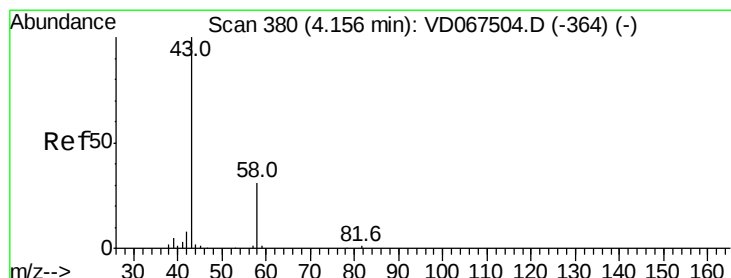
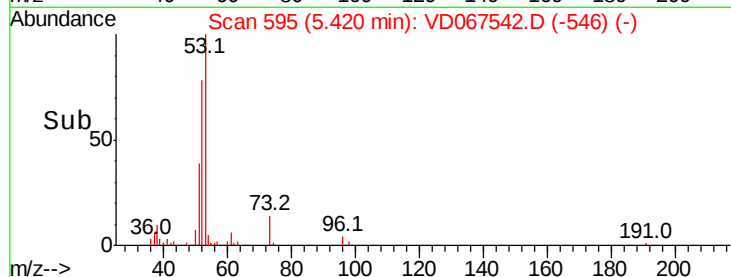
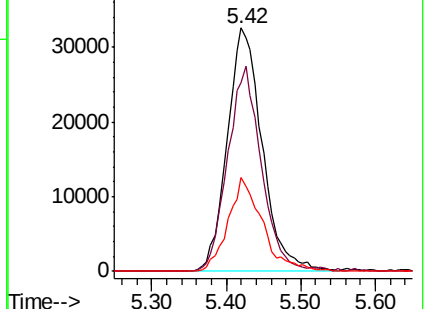
51 37.7 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 230.646 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067542.D

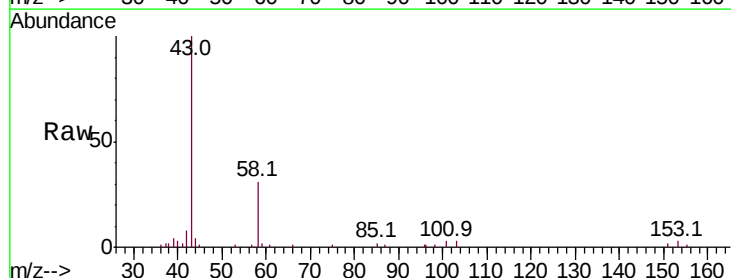
Acq: 05 Nov 2020 17:34

Tgt Ion: 43 Resp: 96777

Ion Ratio Lower Upper

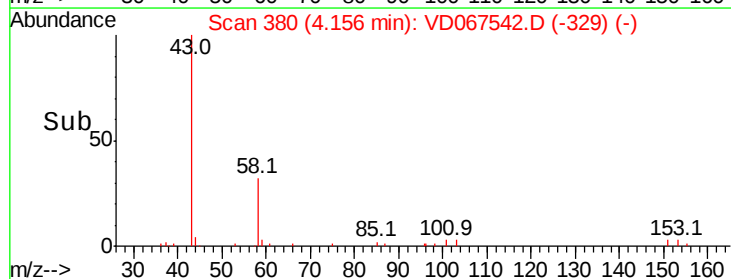
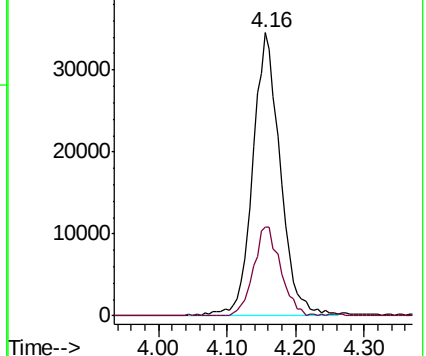
43 100

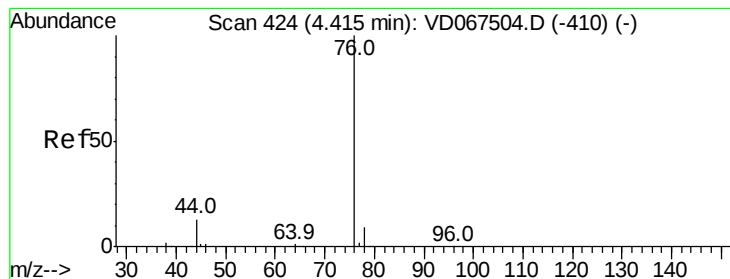
58 30.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 43.958 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

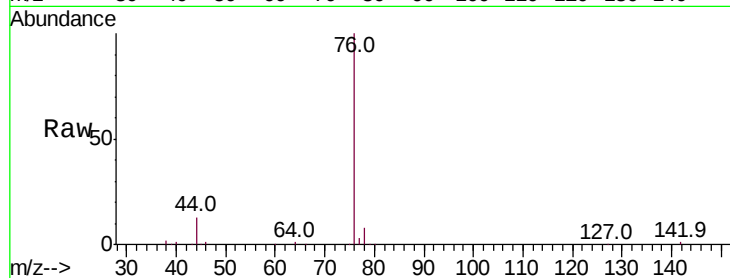
ClientSampleId :

Tot Ion: 76 Resp: 360521

Ion Ratio Lower Upper

76 100

78 8.5 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.41

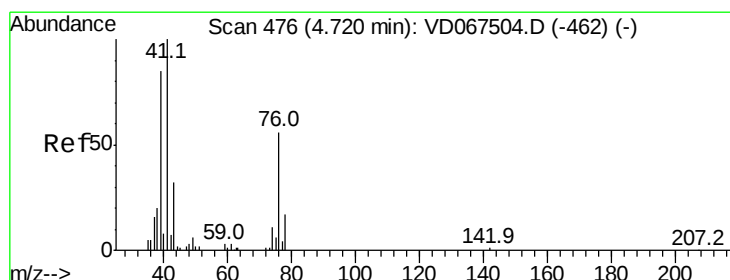
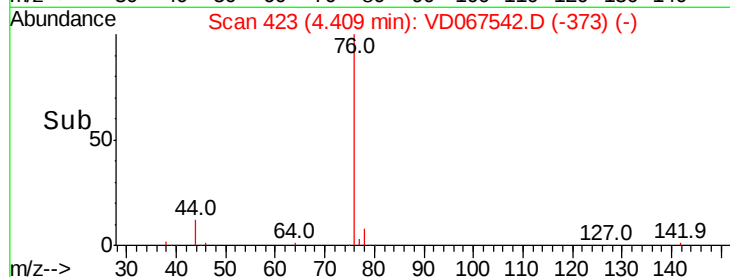
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.016 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067542.D

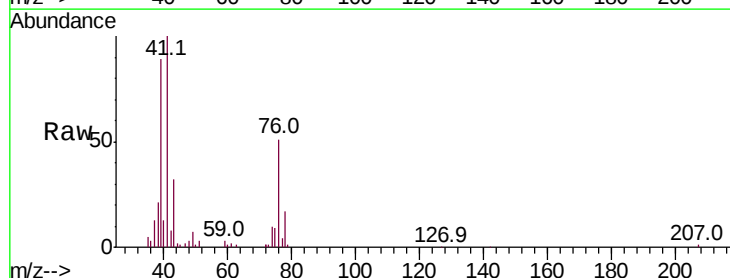
Acq: 05 Nov 2020 17:34

Tgt Ion: 43 Resp: 39899

Ion Ratio Lower Upper

43 100

74 32.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

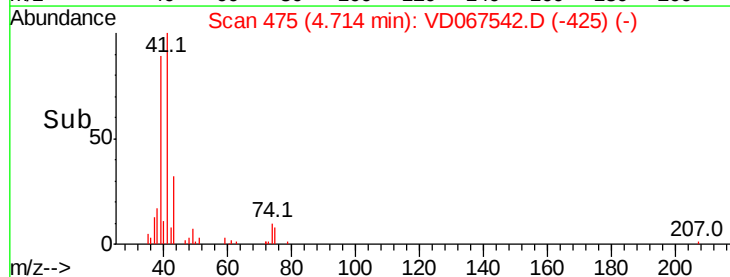
15000

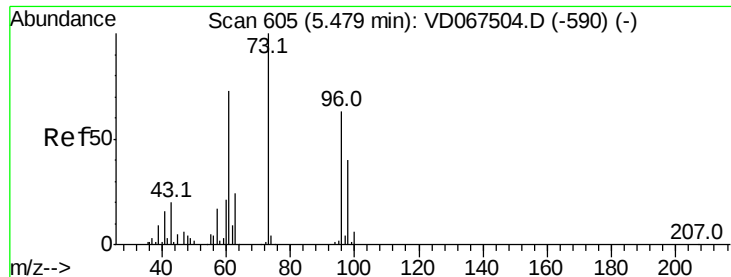
10000

5000

0

Time-->

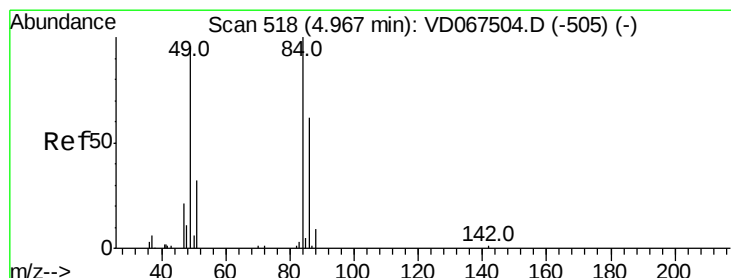
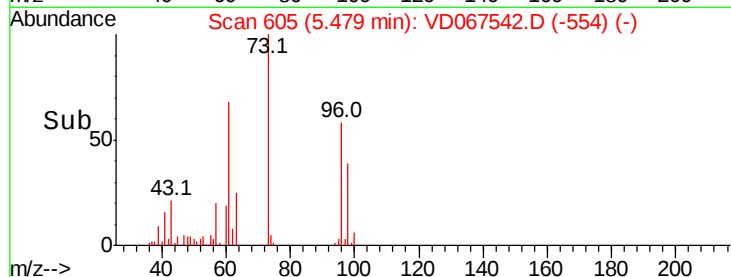
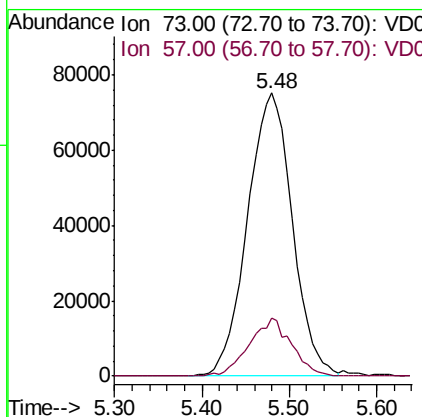
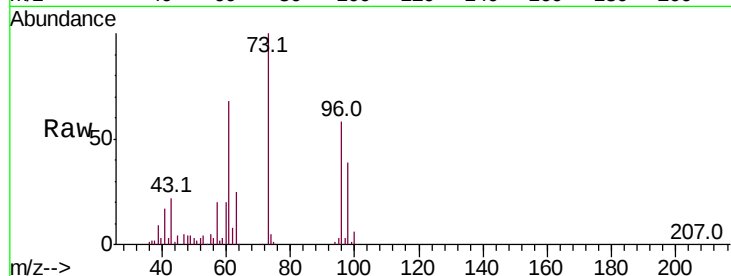




#19
Methvl tert-butvl Ether
Concen: 49.952 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

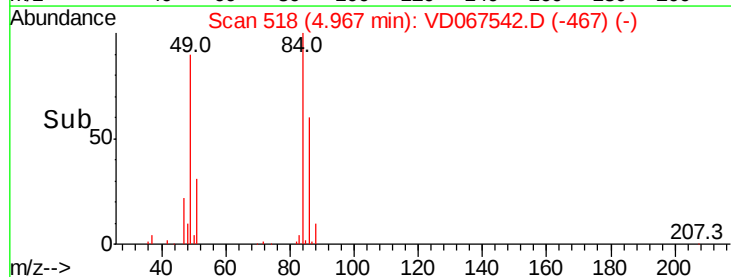
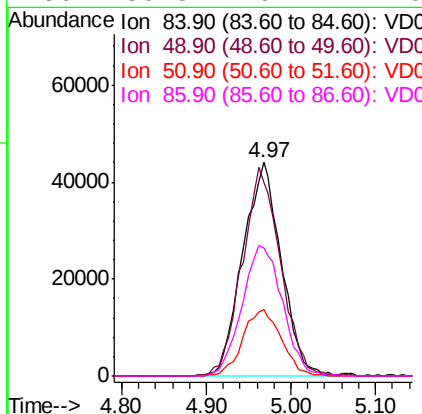
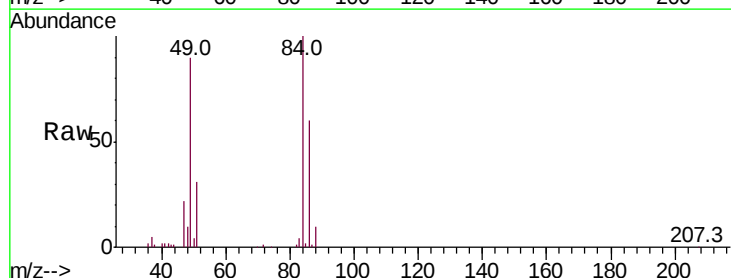
Instrument :
MSVOA_D
ClientSampleId :

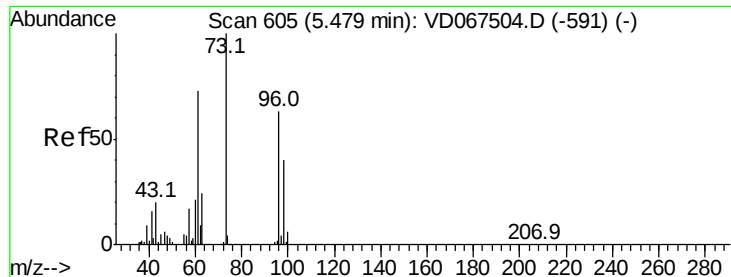
Tot Ion: 73 Resp: 263714
Ion Ratio Lower Upper
73 100
57 20.4 13.4 20.0#



#20
Methylene Chloride
Concen: 47.027 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion: 84 Resp: 139384
Ion Ratio Lower Upper
84 100
49 90.4 77.0 115.4
51 30.9 25.4 38.2
86 59.8 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 45.013 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

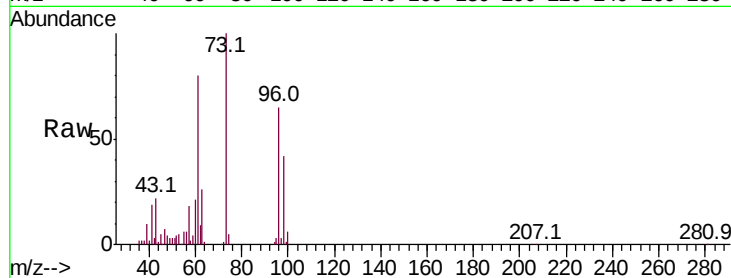
Tot Ion: 96 Resp: 140325

Ion Ratio Lower Upper

96 100

61 124.2 93.0 139.6

98 65.3 50.9 76.3



Abundance

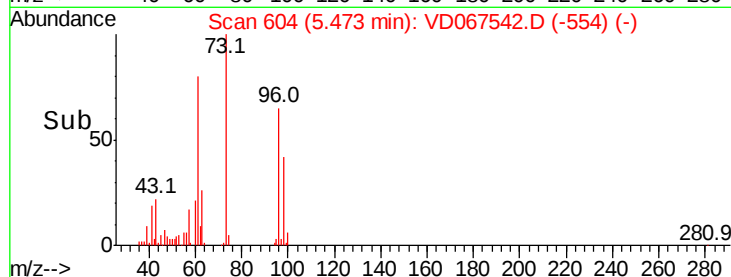
Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

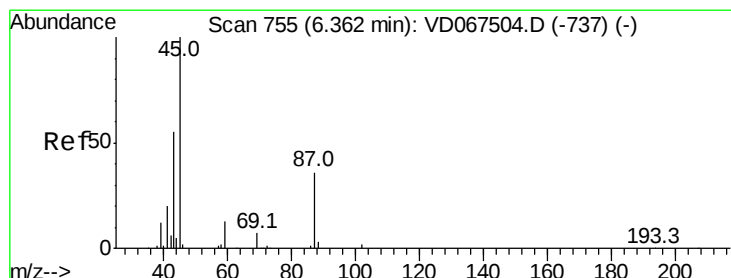
Ion 97.90 (97.60 to 98.60): VDC

5.47

Time-->



Time-->



#22

Diisopropyl ether

Concen: 48.561 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Tgt Ion: 45 Resp: 271074

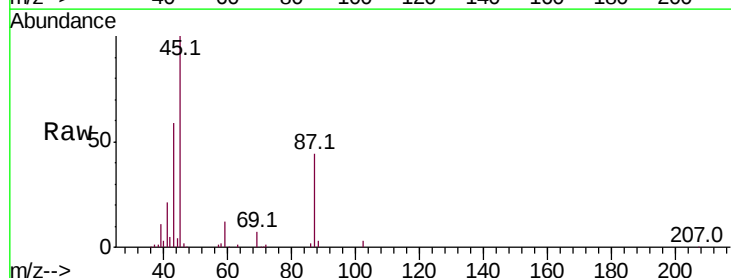
Ion Ratio Lower Upper

45 100

43 57.4 46.2 69.4

87 43.3 29.4 44.2

59 12.2 10.8 16.2



Abundance

Ion 45.00 (44.70 to 45.70): VDC

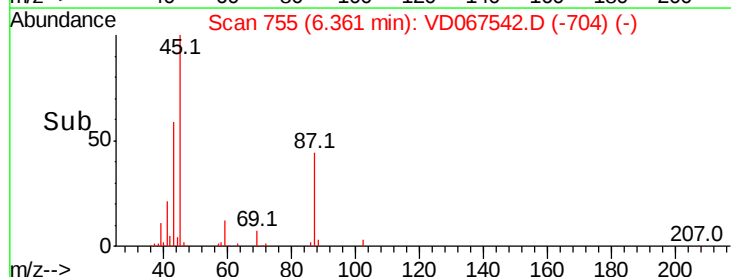
Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

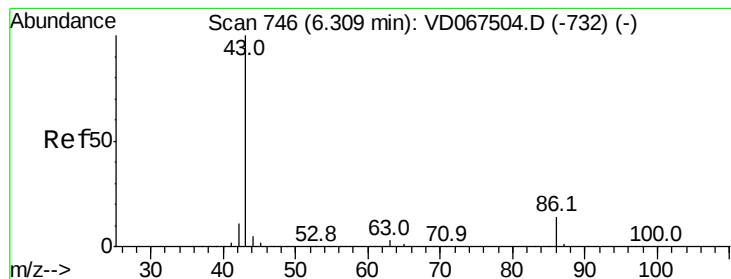
Ion 59.00 (58.70 to 59.70): VDC

6.36

Time-->



Time-->



#23

Vinyl Acetate

Concen: 254.055 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

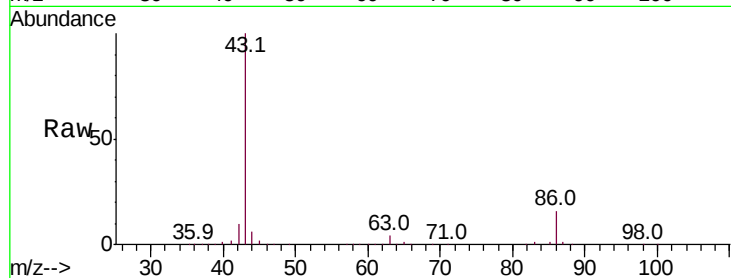
ClientSampleId :

Tot Ion: 43 Resp: 742343

Ion Ratio Lower Upper

43 100

86 15.7 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

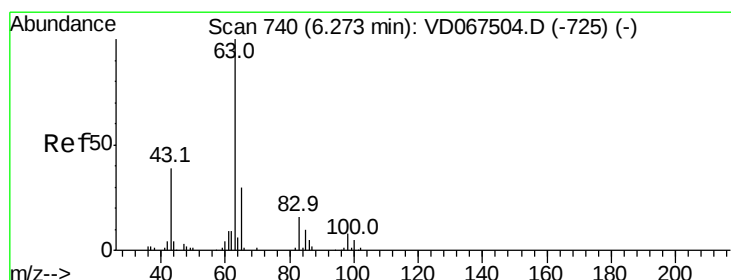
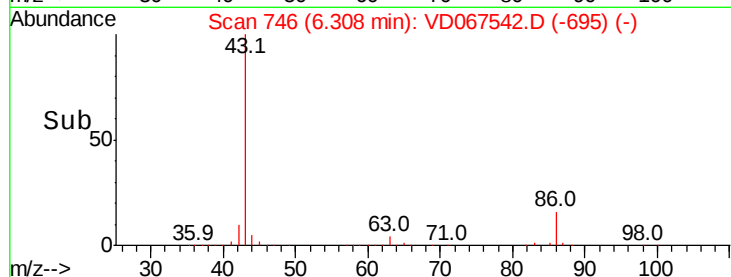
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 46.260 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

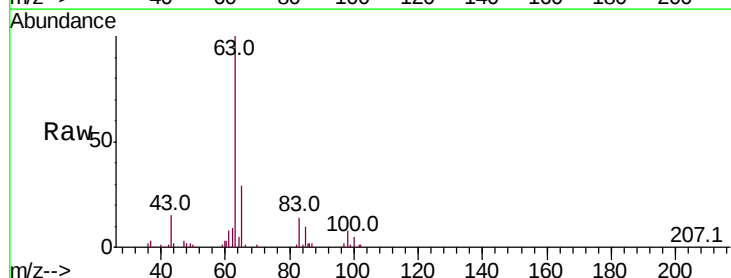
Tgt Ion: 63 Resp: 211257

Ion Ratio Lower Upper

63 100

98 8.3 3.9 11.5

100 5.1 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

80000

60000

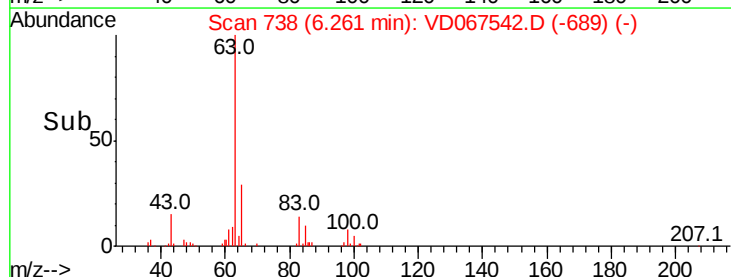
40000

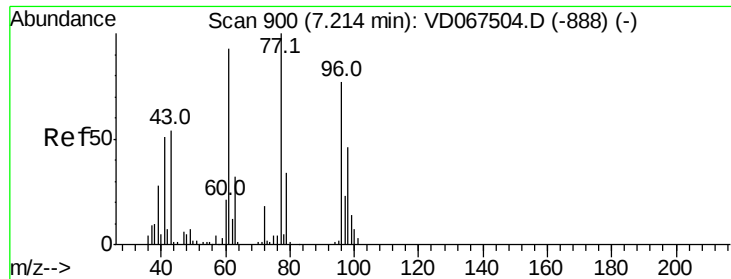
20000

0

6.10 6.20 6.30 6.40

Time-->

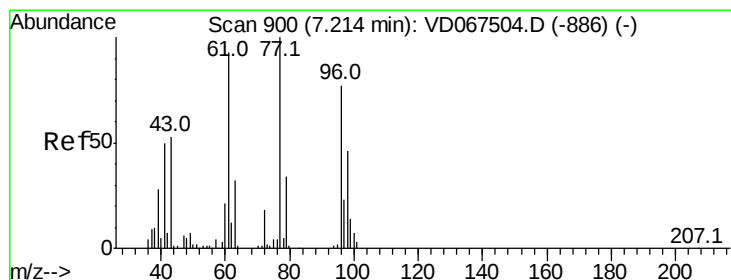
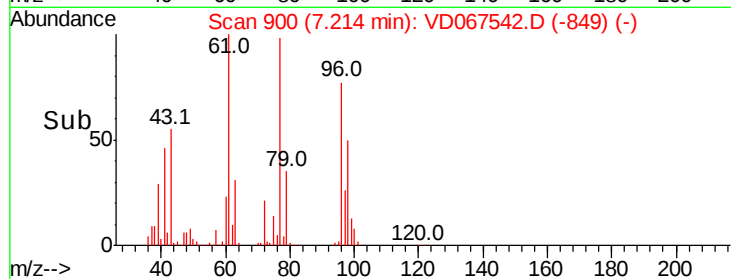
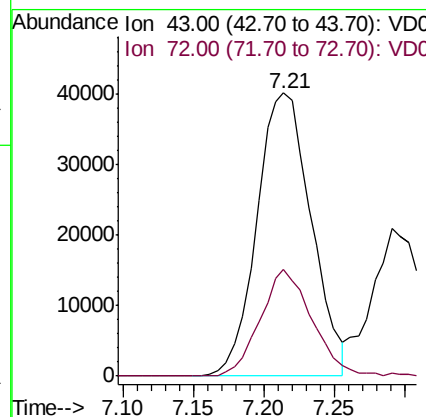
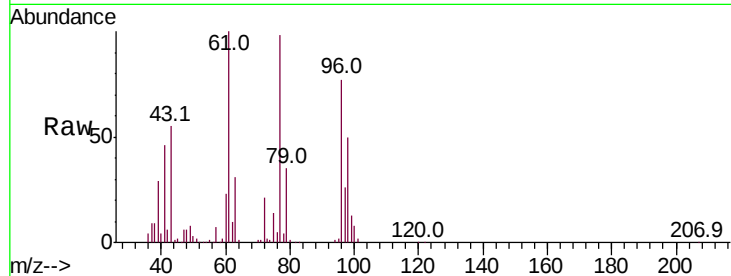




#25
2-Butanone
Concen: 240.583 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

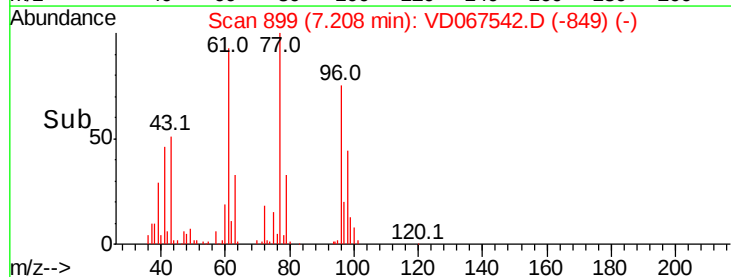
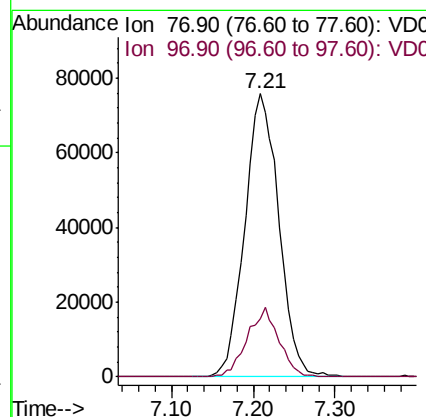
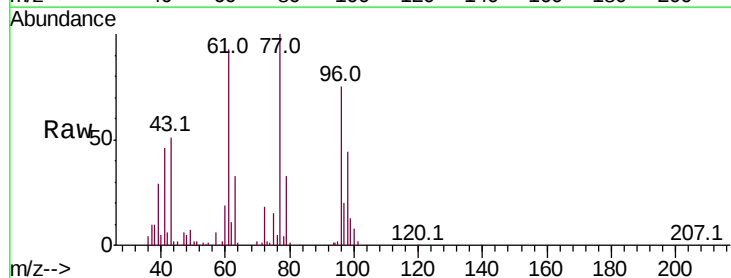
Instrument :
MSVOA_D
ClientSampleId :

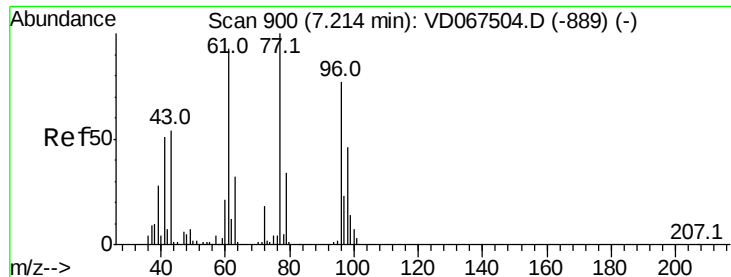
Tot Ion: 43 Resp: 107864
Ion Ratio Lower Upper
43 100
72 37.9 26.4 39.6



#26
2,2-Dichloropropane
Concen: 45.530 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion: 77 Resp: 219439
Ion Ratio Lower Upper
77 100
97 22.7 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.032 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampled :

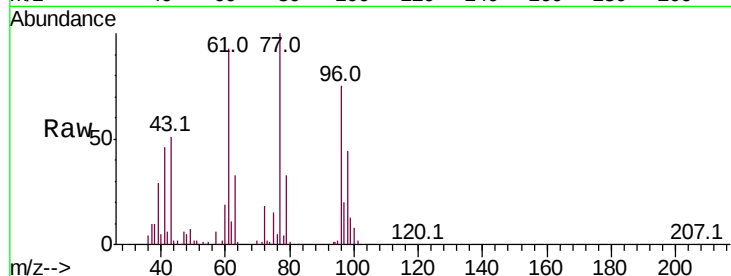
Tot Ion: 96 Resp: 155420

Ion Ratio Lower Upper

96 100

61 127.3 0.0 251.6

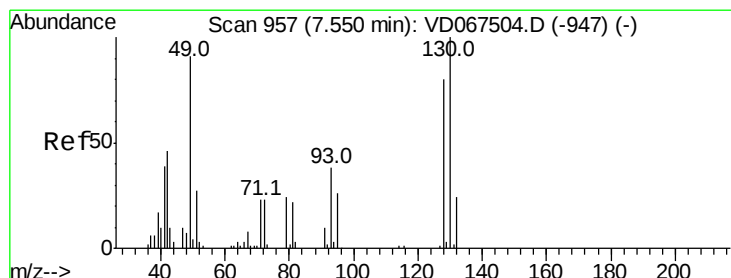
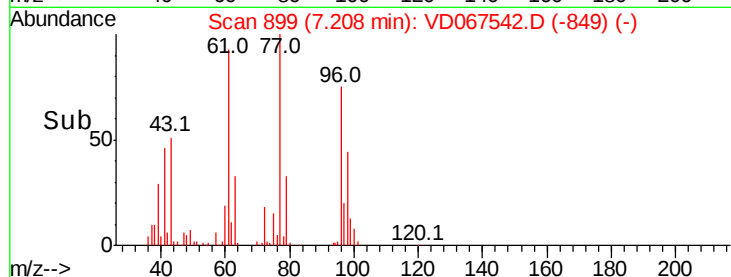
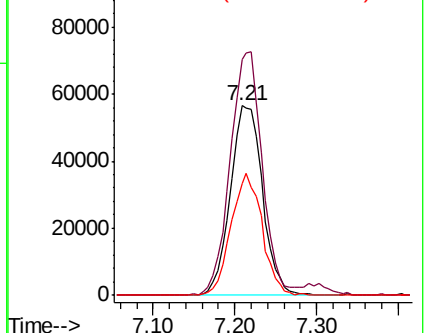
98 62.0 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 48.511 ug/l

RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

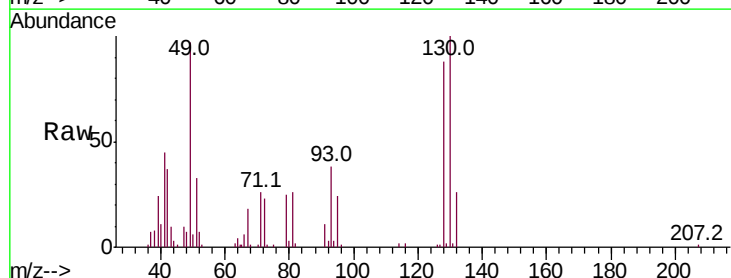
Tgt Ion: 49 Resp: 78801

Ion Ratio Lower Upper

49 100

129 0.9 0.0 6.4

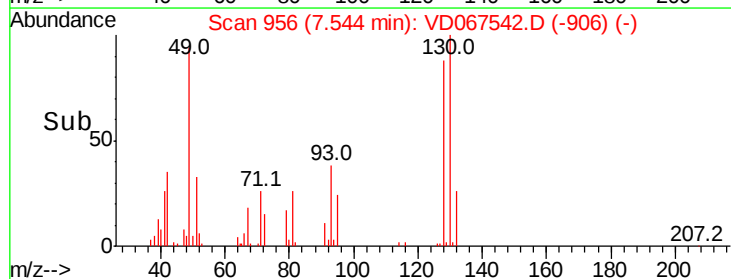
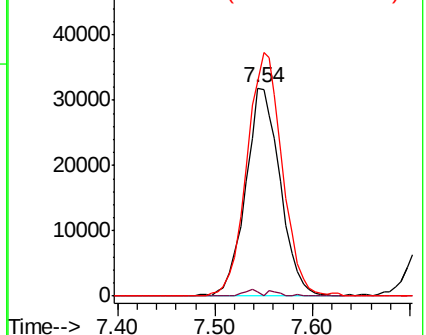
130 120.2 94.6 142.0

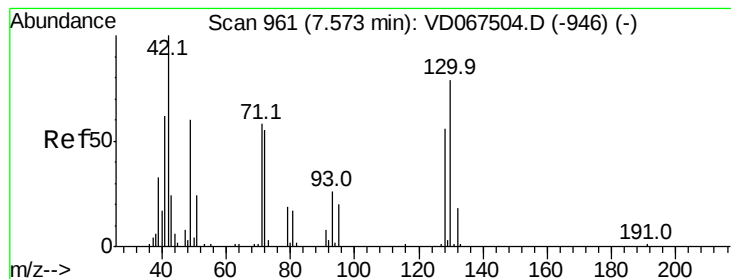


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.537 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :
MSVOA_D
ClientSampled :

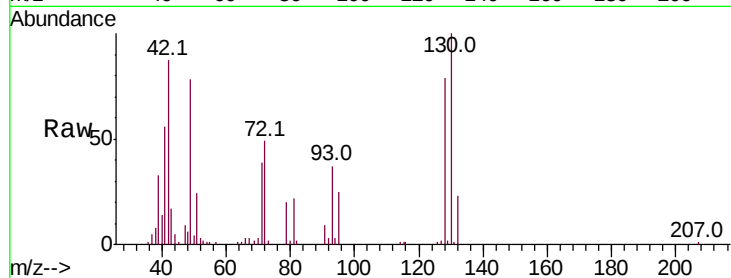
Tot Ion: 42 Resp: 69970

Ion Ratio Lower Upper

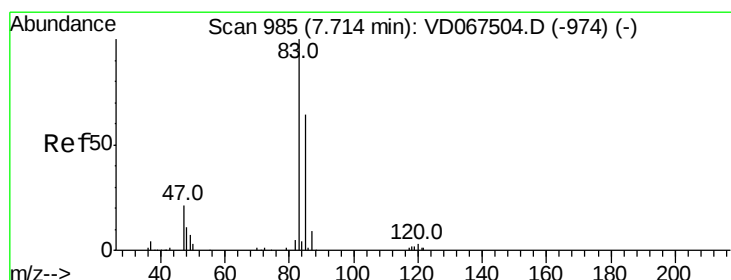
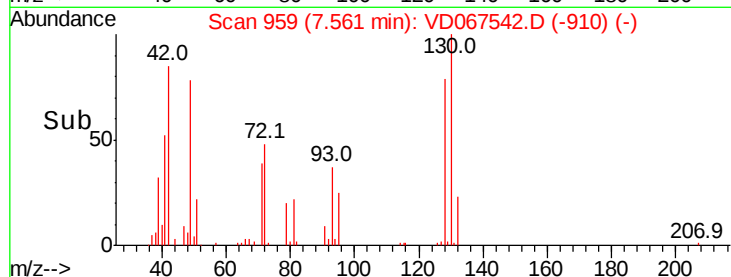
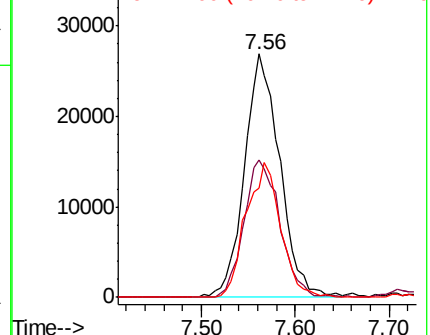
42 100

72 57.3 46.3 69.5

71 54.1 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 47.361 ug/l

RT: 7.71 min Scan# 985

Delta R.T. -0.00 min

Lab File: VD067542.D

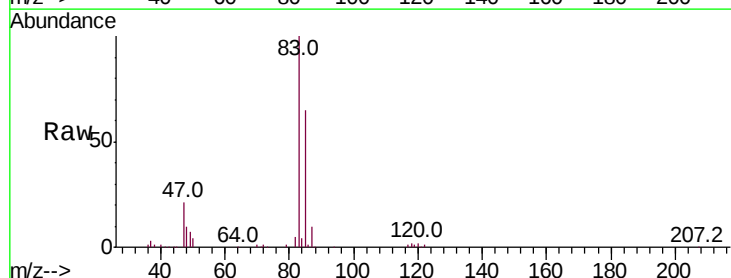
Acq: 05 Nov 2020 17:34

Tgt Ion: 83 Resp: 258025

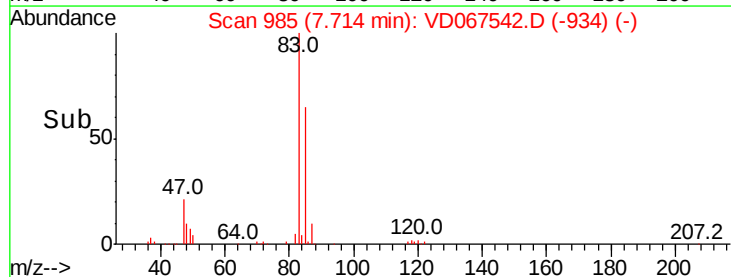
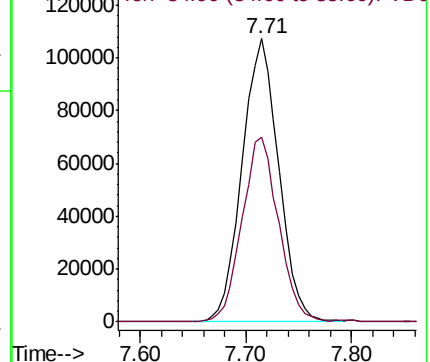
Ion Ratio Lower Upper

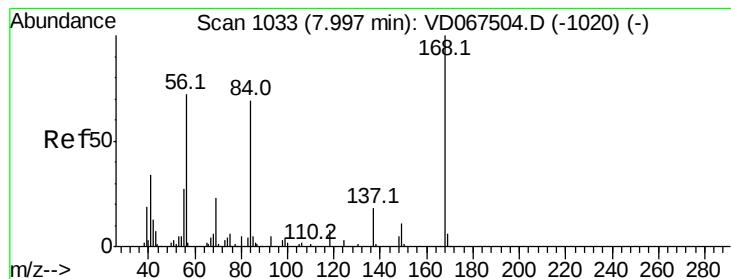
83 100

85 65.1 51.5 77.3



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





#31

Cyclohexane

Concen: 41.880 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

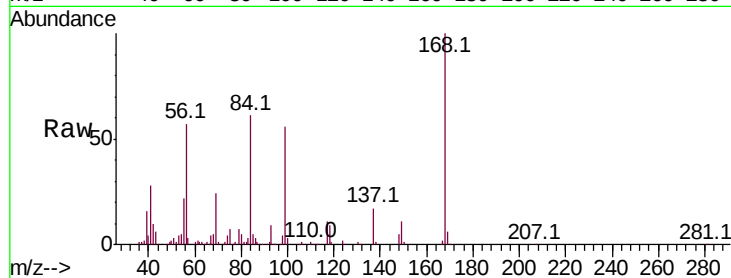
Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

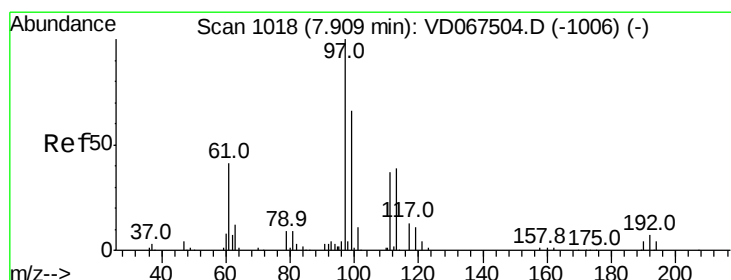
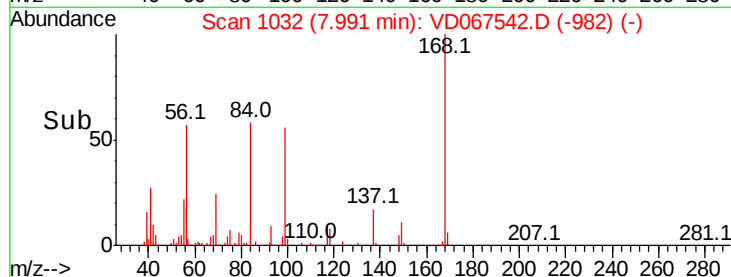
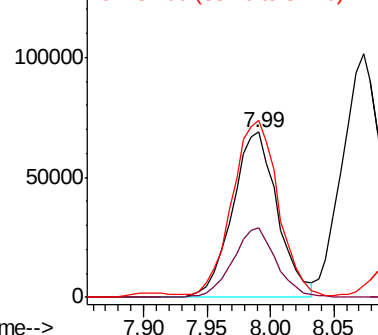
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 170314

Ion	Ratio	Lower	Upper
56	100		
69	41.8	25.9	38.9#
84	104.4	76.2	114.4



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



#32

1,1,1-Trichloroethane

Concen: 45.733 ug/l

RT: 7.91 min Scan# 1018

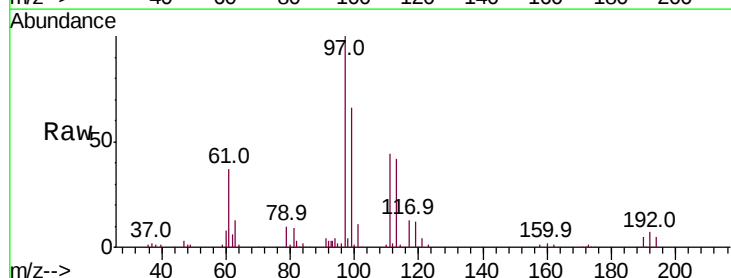
Delta R.T. -0.00 min

Lab File: VD067542.D

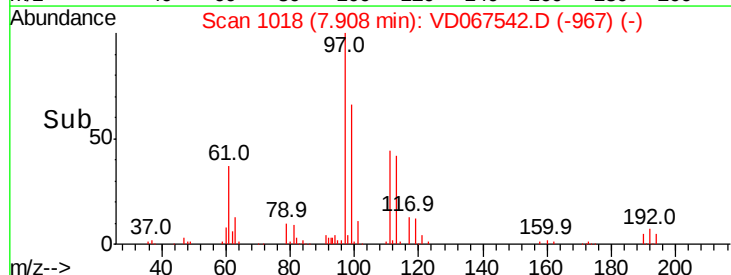
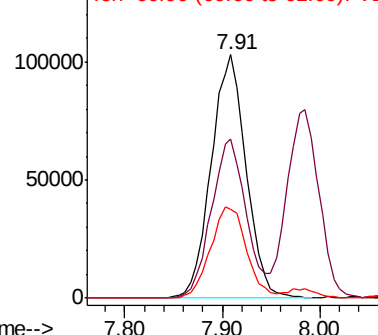
Acq: 05 Nov 2020 17:34

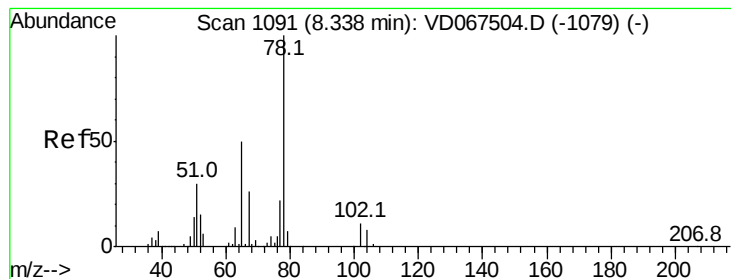
Tgt Ion: 97 Resp: 257077

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.8	77.6
61	38.6	30.5	45.7



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





#33

1,2-Dichloroethane-d4

Concen: 46.266 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

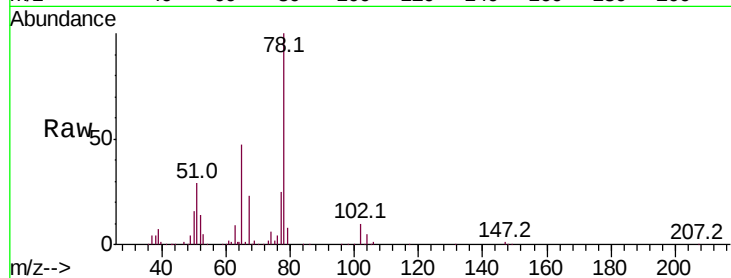
ClientSampleId :

Tot Ion: 65 Resp: 129727

Ion Ratio Lower Upper

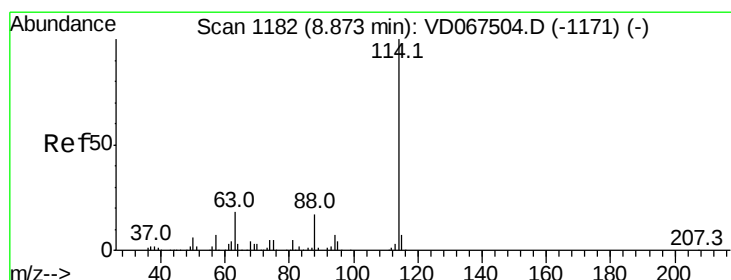
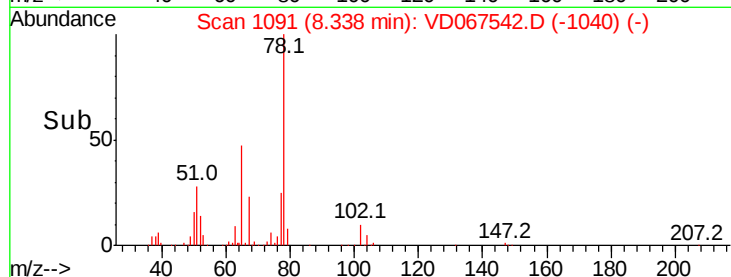
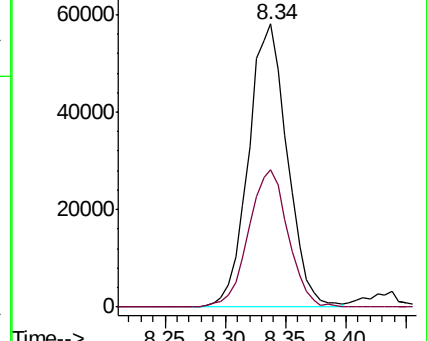
65 100

67 49.6 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

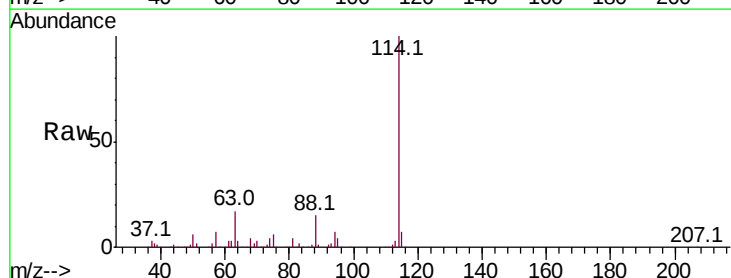
Tgt Ion: 114 Resp: 460049

Ion Ratio Lower Upper

114 100

63 16.8 0.0 35.0

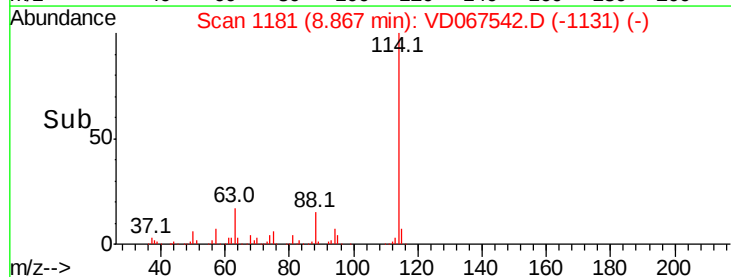
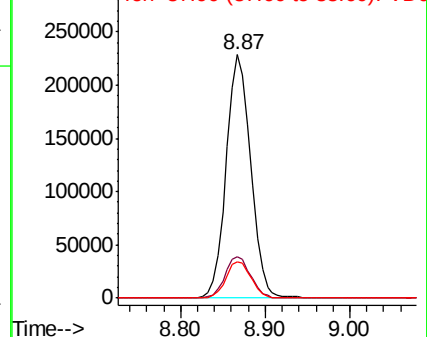
88 15.0 0.0 33.0

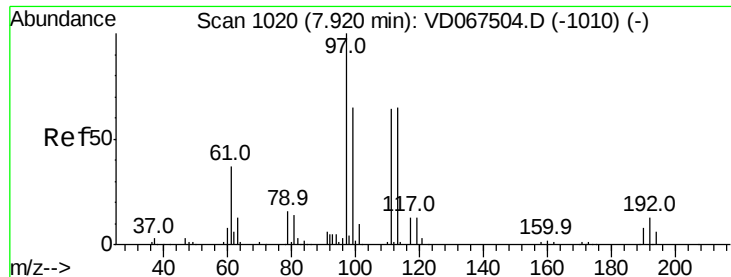


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

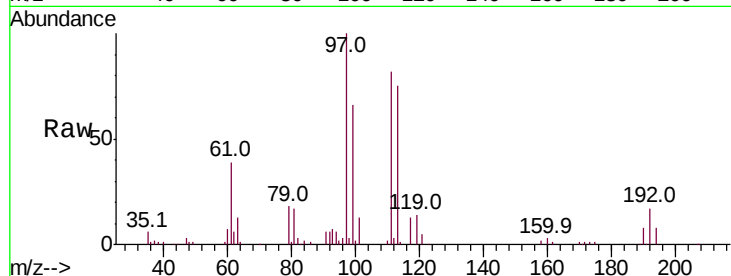




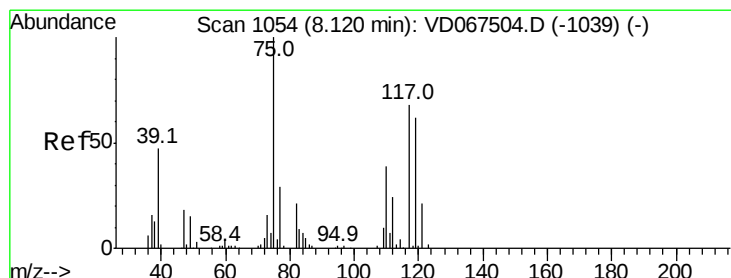
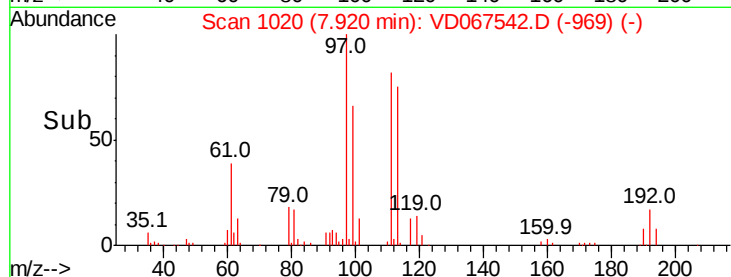
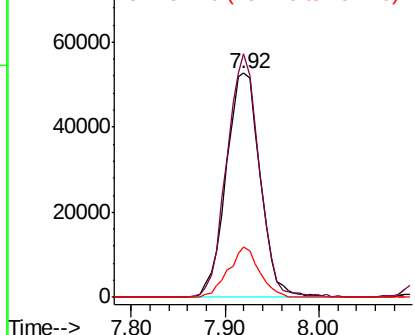
#35
 Dibromofluoromethane
 Concen: 47.954 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 132918
 Ion Ratio Lower Upper
 113 100
 111 102.8 80.0 120.0
 192 20.5 16.3 24.5

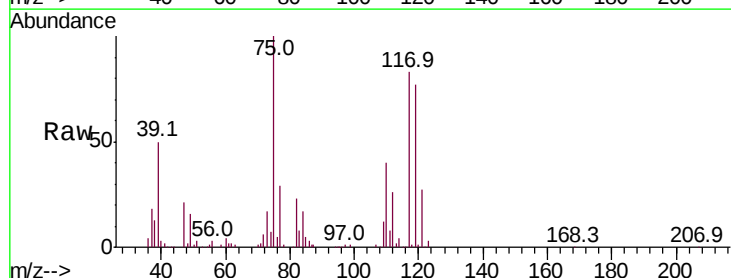


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

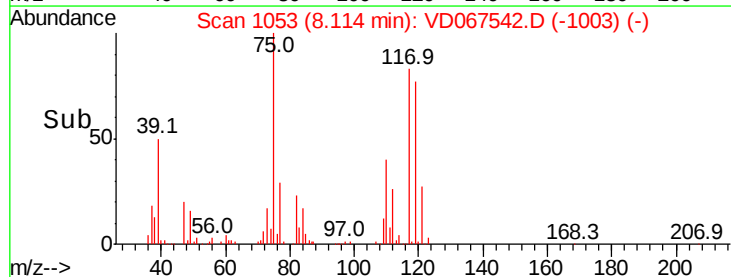
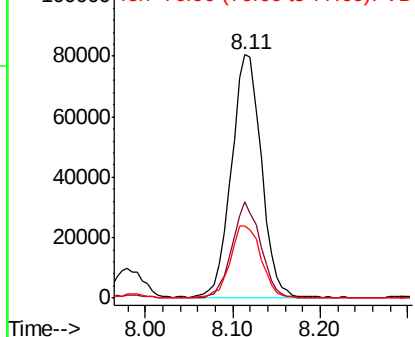


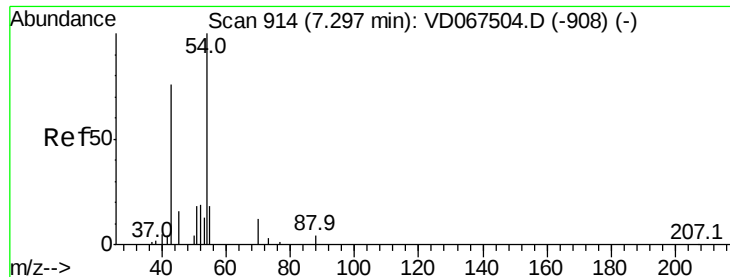
#36
 1,1-Dichloropropene
 Concen: 47.358 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion: 75 Resp: 186493
 Ion Ratio Lower Upper
 75 100
 110 37.5 19.9 59.7
 77 30.8 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

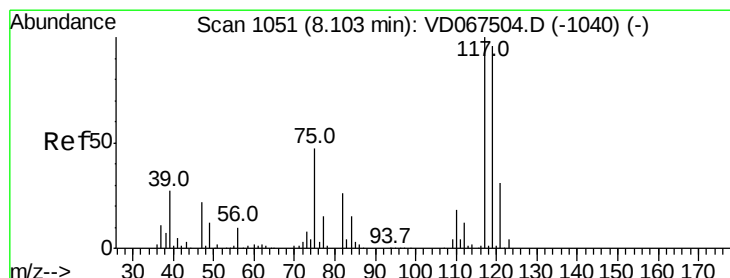
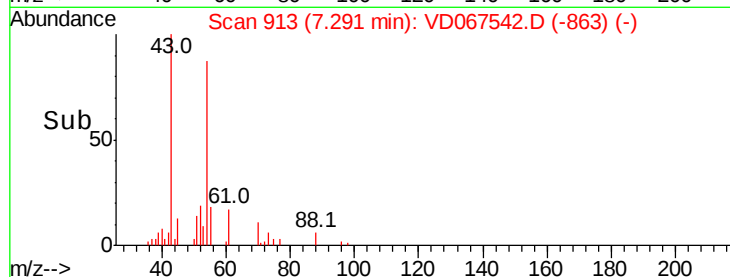
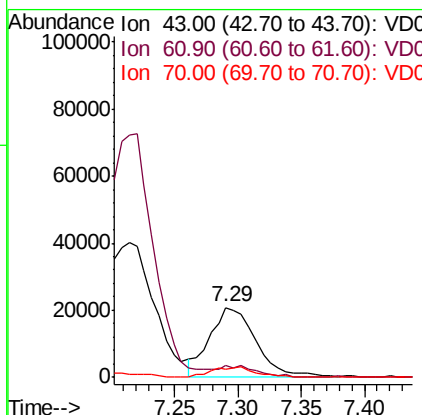
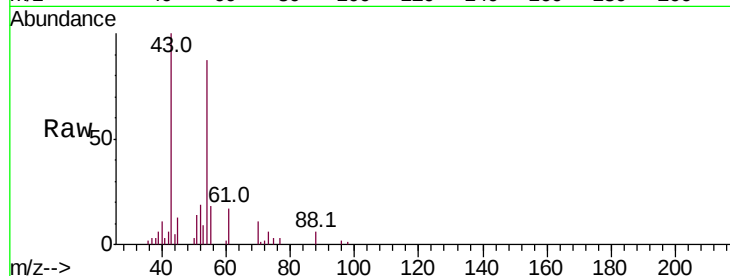




#37
Ethyl Acetate
Concen: 50.296 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

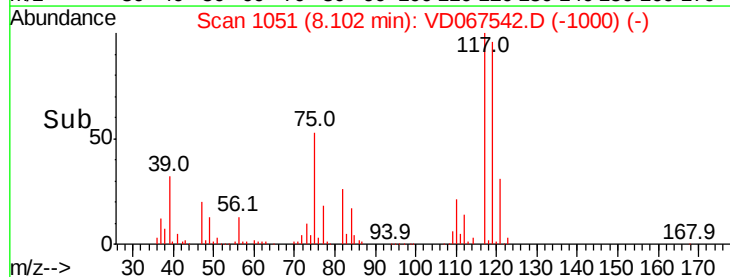
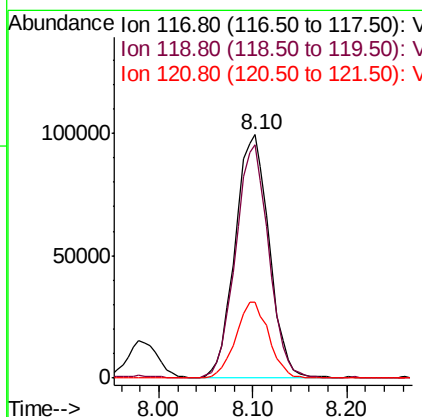
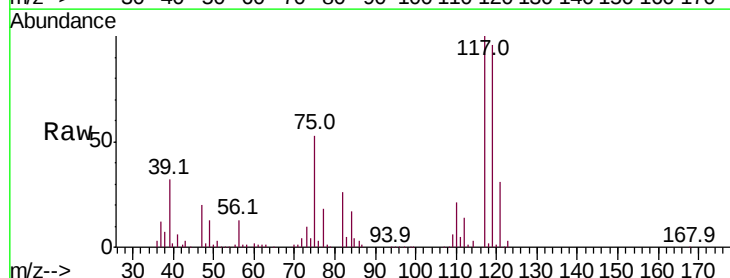
Instrument :
MSVOA_D
ClientSampleID :

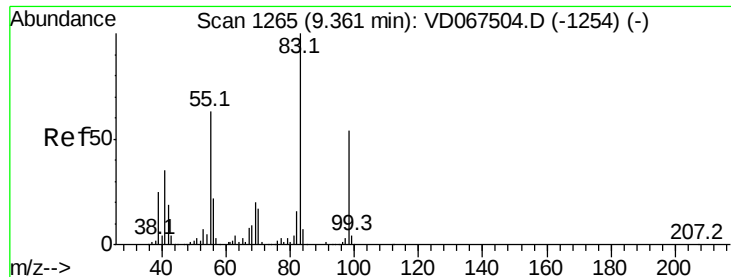
Tot Ion: 43 Resp: 51421
Ion Ratio Lower Upper
43 100
61 11.9 12.8 19.2#
70 14.9 11.7 17.5



#38
Carbon Tetrachloride
Concen: 48.776 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion: 117 Resp: 249559
Ion Ratio Lower Upper
117 100
119 96.0 76.9 115.3
121 31.1 24.5 36.7

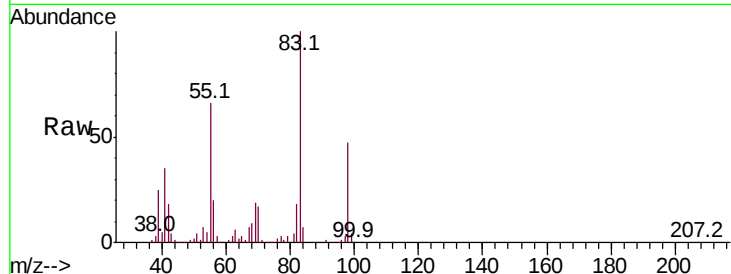




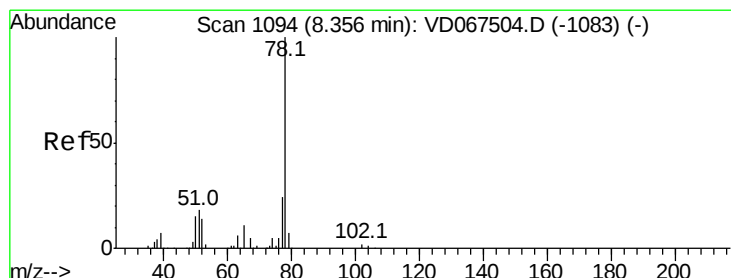
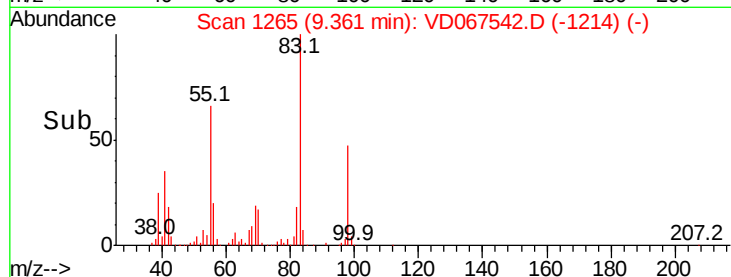
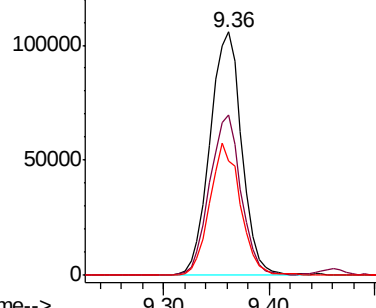
#39
Methvlcvclohexane
Concen: 47.612 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	83	Resp	220676
Ion	Ratio	Lower	Upper
83	100		
55	65.9	50.5	75.7
98	47.2	43.4	65.0

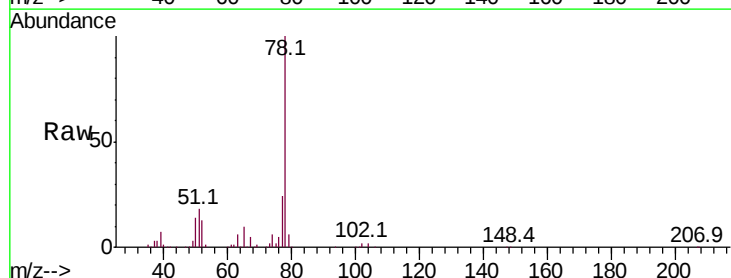


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

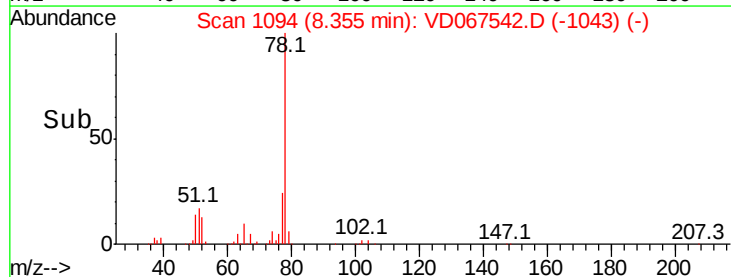
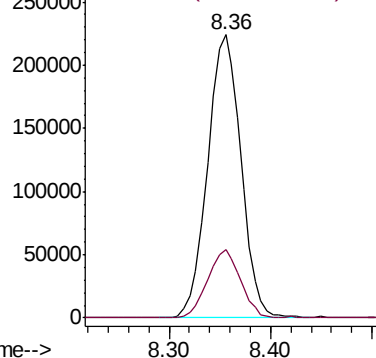


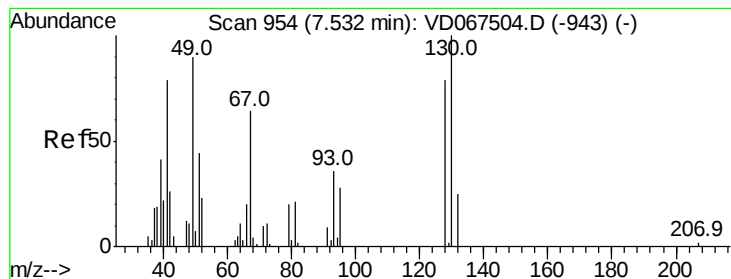
#40
Benzene
Concen: 48.026 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion	78	Resp	512297
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 120.760 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 73798

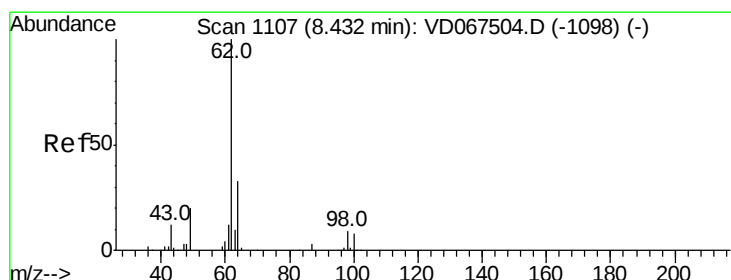
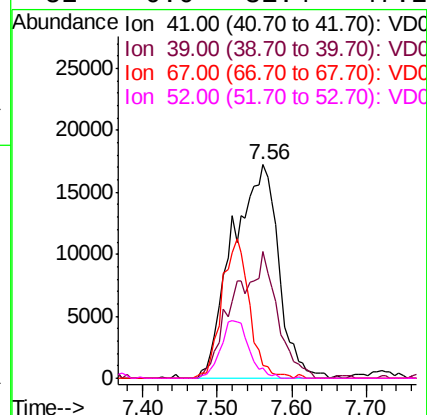
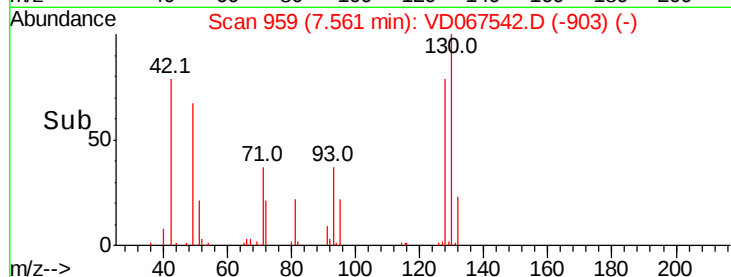
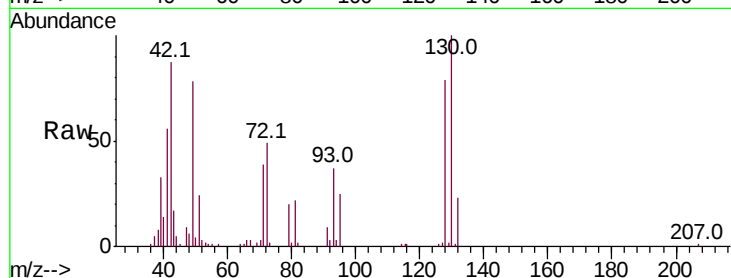
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#



#42

1,2-Dichloroethane

Concen: 48.767 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067542.D

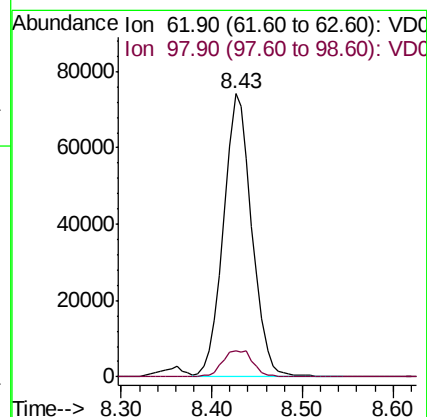
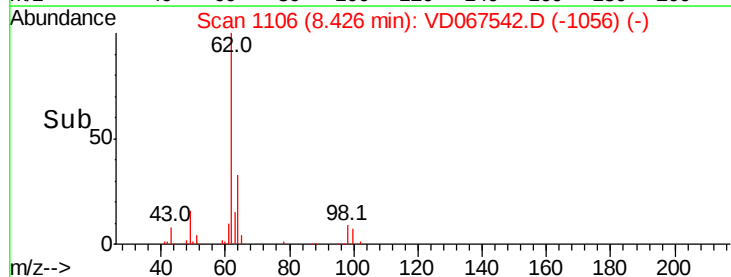
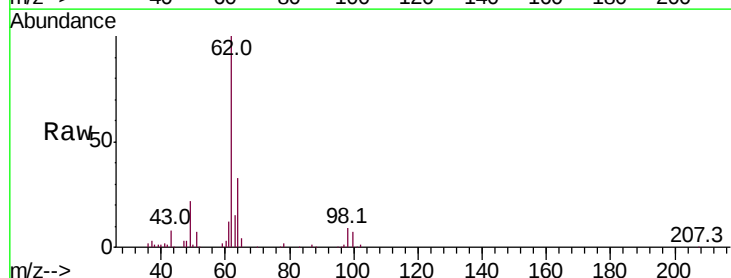
Acq: 05 Nov 2020 17:34

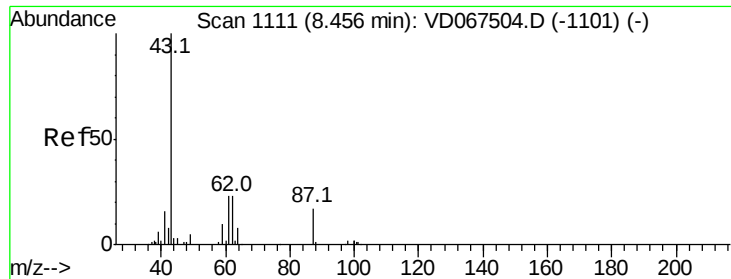
Tgt Ion: 62 Resp: 160723

Ion Ratio Lower Upper

62 100

98 10.2 0.0 19.8





#43

Isopropyl Acetate

Concen: 50.573 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

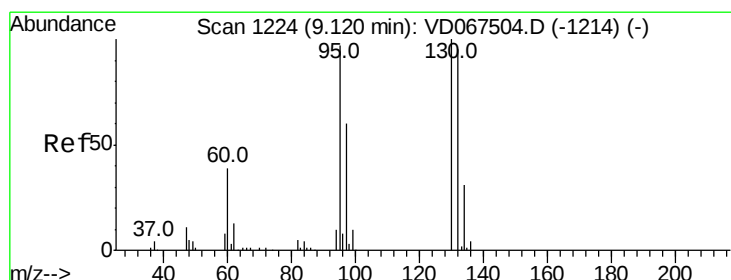
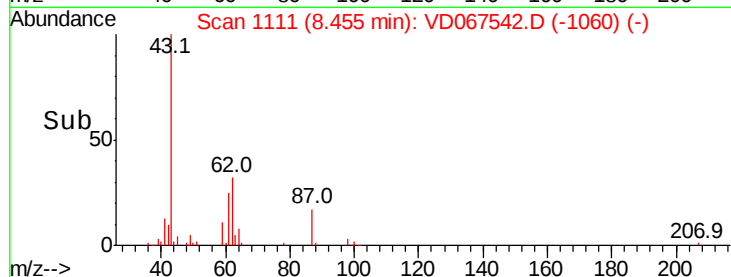
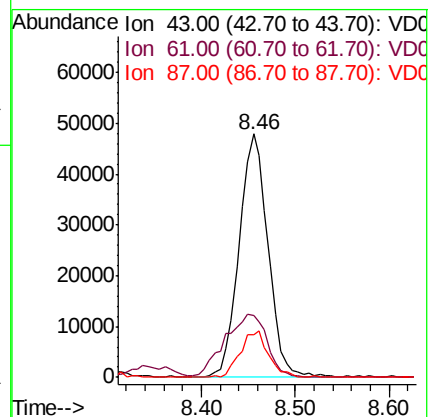
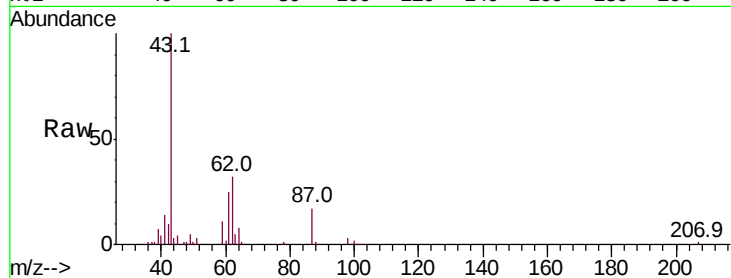
Tot Ion: 43 Resp: 102254

Ion Ratio Lower Upper

43 100

61 37.8 30.5 45.7

87 18.4 14.7 22.1



#44

Trichloroethene

Concen: 48.465 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067542.D

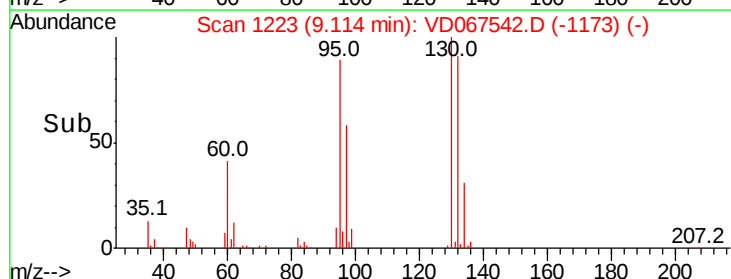
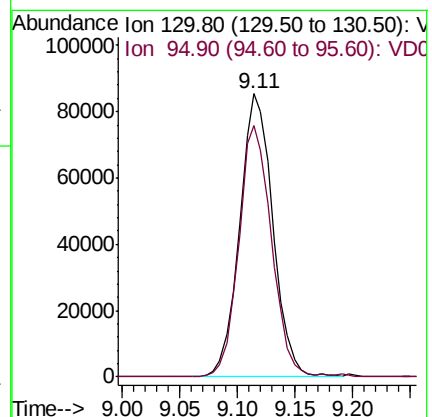
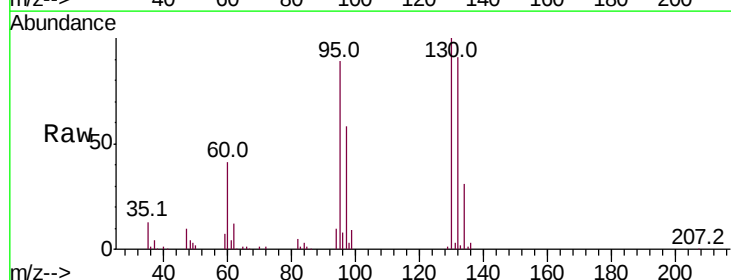
Acq: 05 Nov 2020 17:34

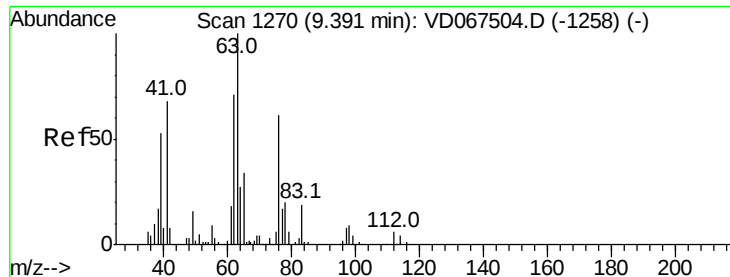
Tgt Ion:130 Resp: 169984

Ion Ratio Lower Upper

130 100

95 88.7 0.0 194.4

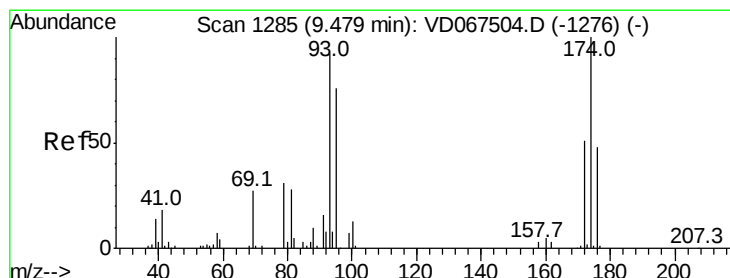
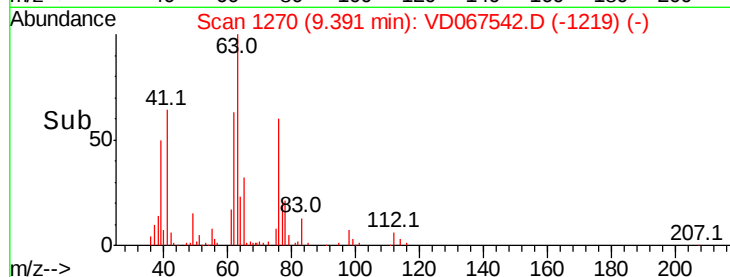
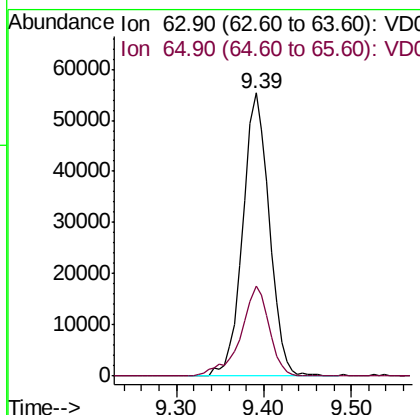
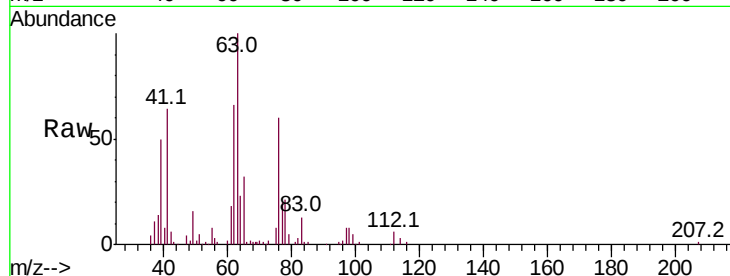




#45
 1,2-Dichloropropane
 Concen: 48.964 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

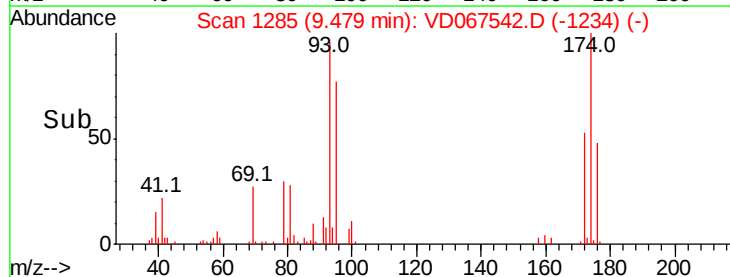
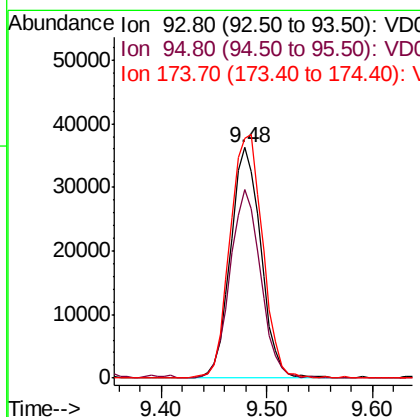
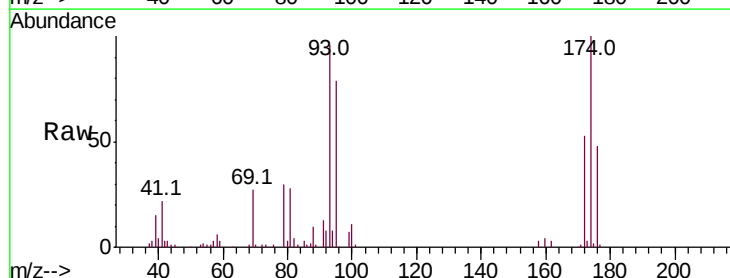
Instrument :
 MSVOA_D
 ClientSampleId :

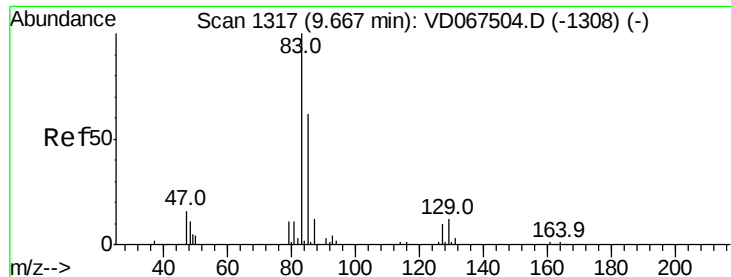
Tot Ion: 63 Resp: 112925
 Ion Ratio Lower Upper
 63 100
 65 31.9 26.9 40.3



#46
 Dibromomethane
 Concen: 49.102 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion: 93 Resp: 72002
 Ion Ratio Lower Upper
 93 100
 95 82.2 66.4 99.6
 174 113.4 88.2 132.4





#47

Bromodichloromethane

Concen: 50.180 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampled :

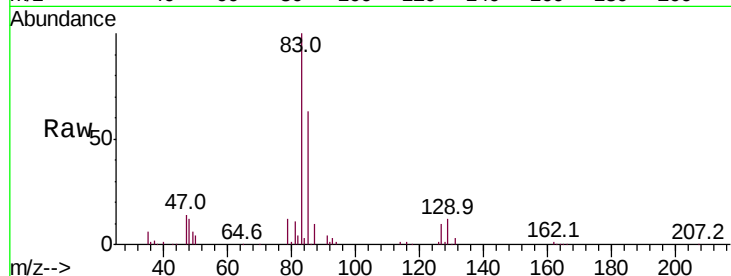
Tot Ion: 83 Resp: 200001

Ion Ratio Lower Upper

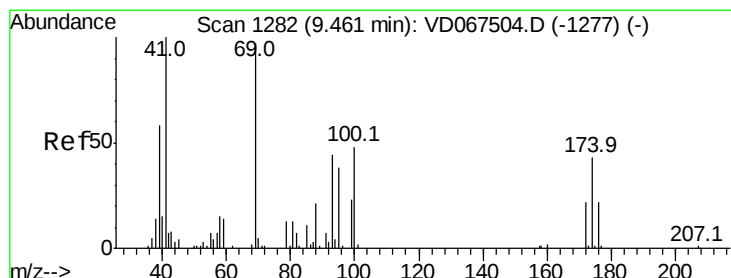
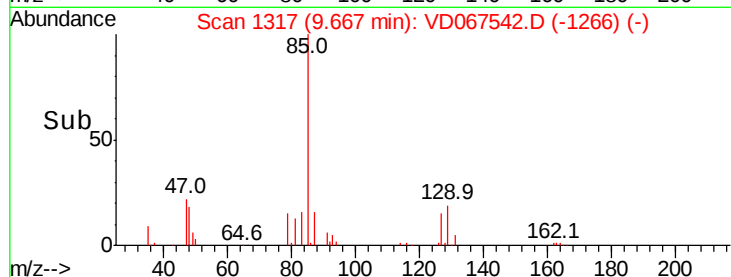
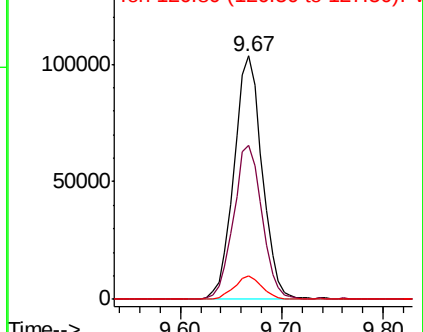
83 100

85 63.0 49.4 74.2

127 9.8 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 47.878 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

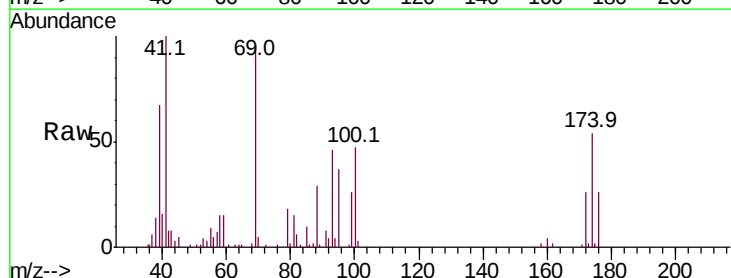
Tgt Ion: 41 Resp: 49983

Ion Ratio Lower Upper

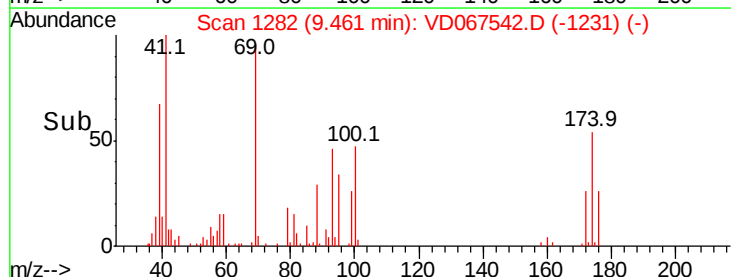
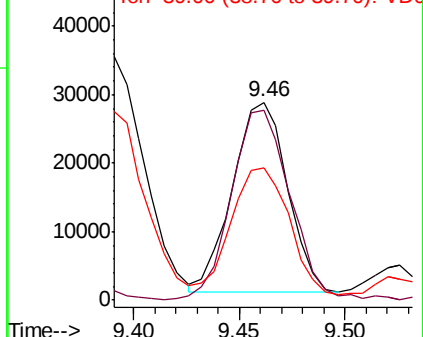
41 100

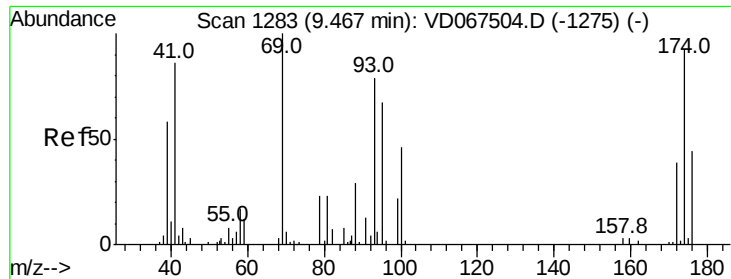
69 108.0 80.6 121.0

39 69.9 50.2 75.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1075.010 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :

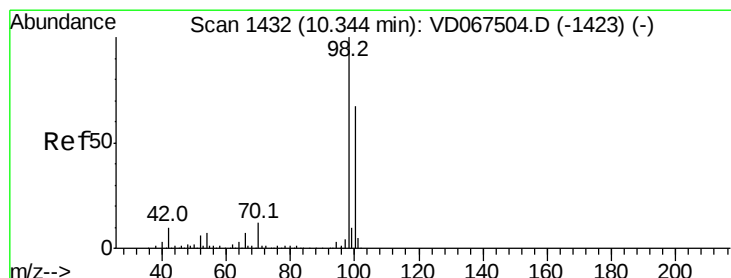
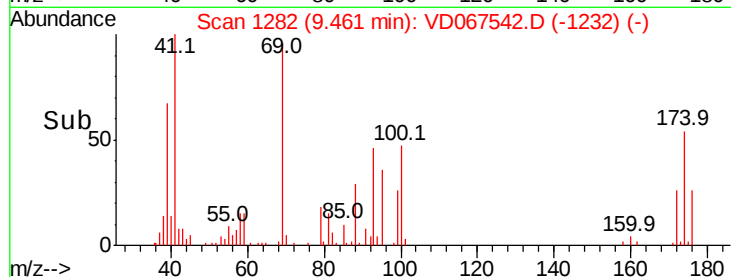
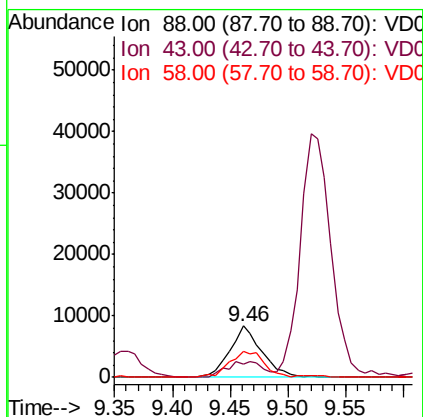
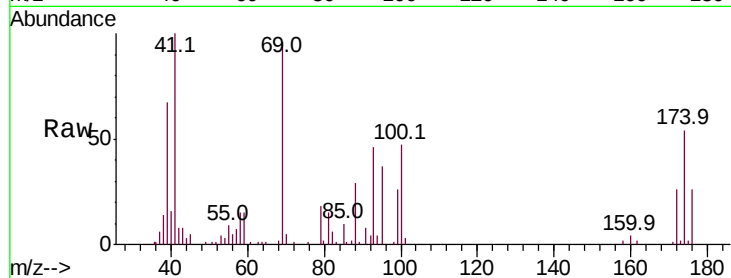
Tot Ion: 88 Resp: 16003

Ion Ratio Lower Upper

88 100

43 36.5 23.6 35.4#

58 56.9 44.7 67.1



#50

Toluene-d8

Concen: 47.023 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067542.D

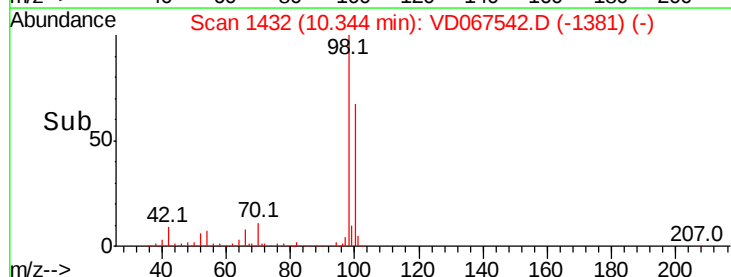
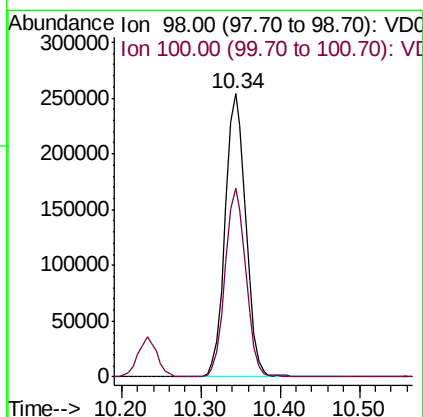
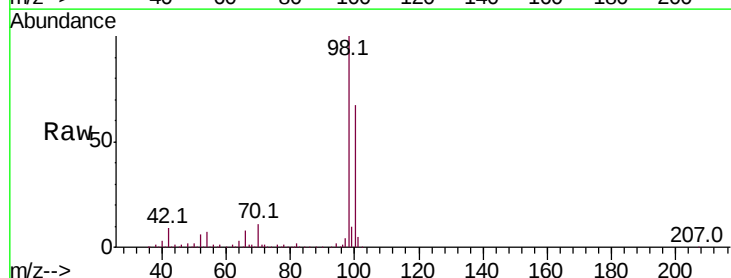
Acq: 05 Nov 2020 17:34

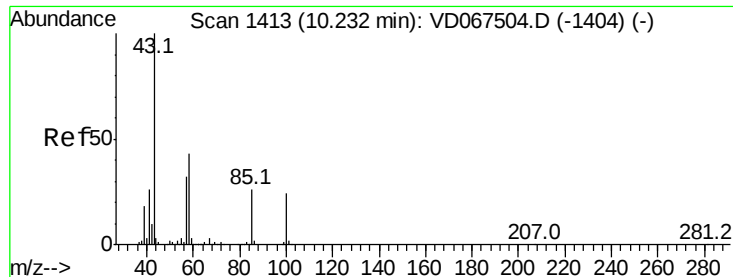
Tgt Ion: 98 Resp: 458039

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 260.611 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

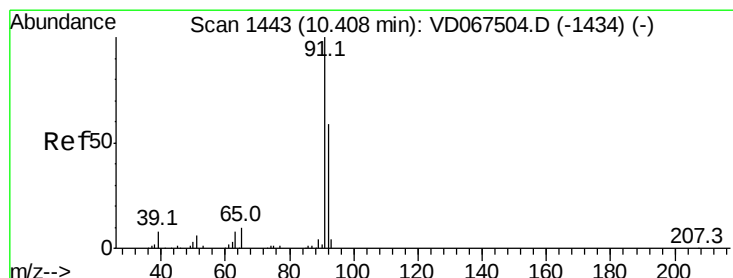
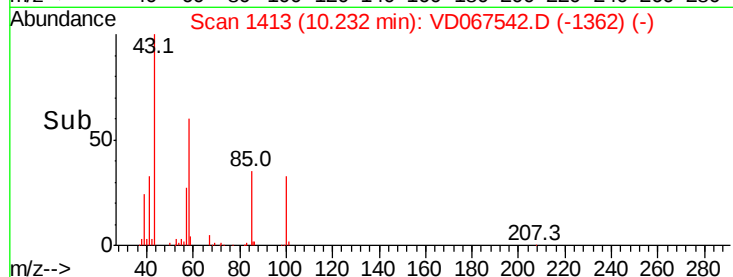
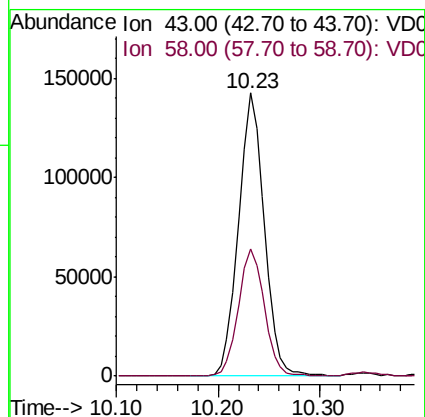
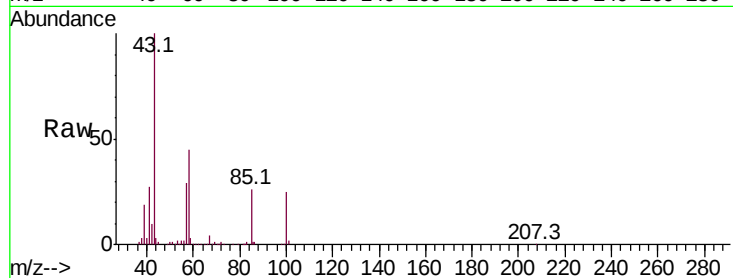
ClientSampleId :

Tot Ion: 43 Resp: 252008

Ion Ratio Lower Upper

43 100

58 45.3 35.6 53.4



#52

Toluene

Concen: 48.628 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067542.D

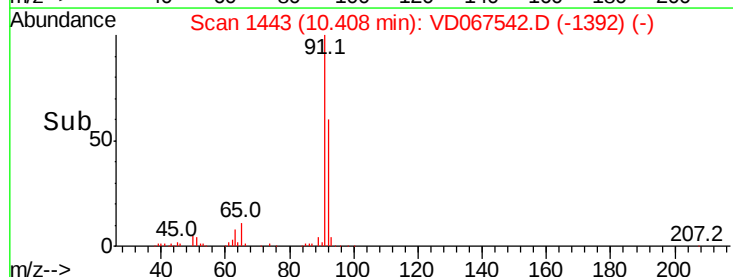
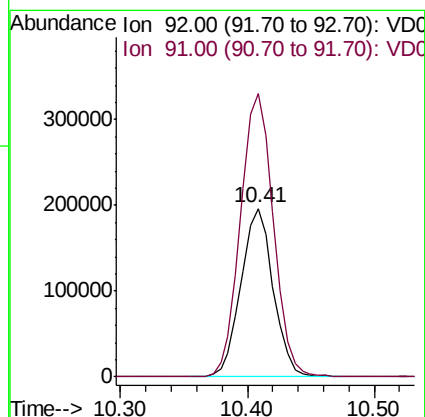
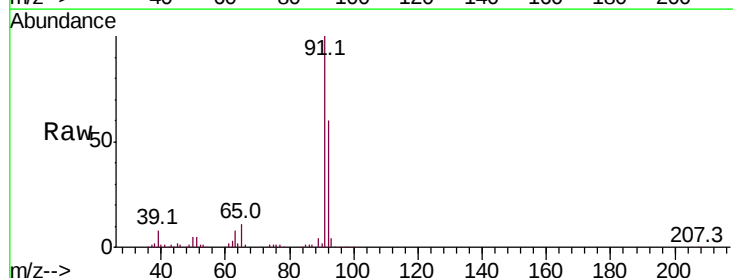
Acq: 05 Nov 2020 17:34

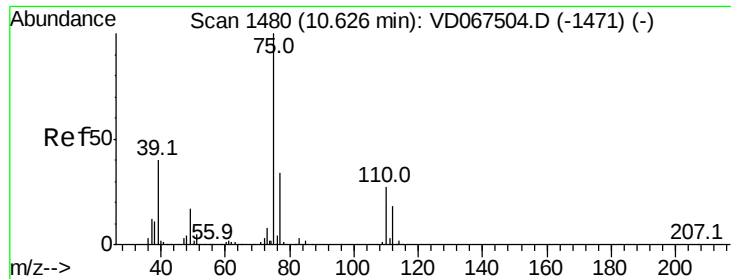
Tgt Ion: 92 Resp: 347433

Ion Ratio Lower Upper

92 100

91 171.8 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 51.468 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

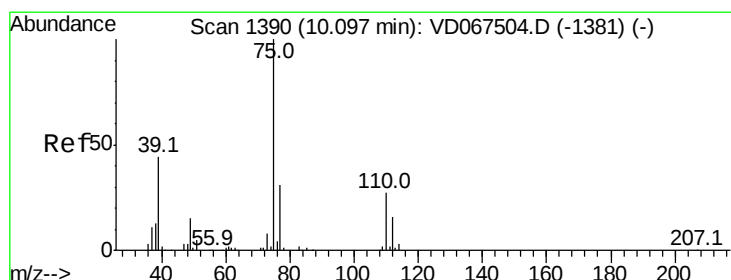
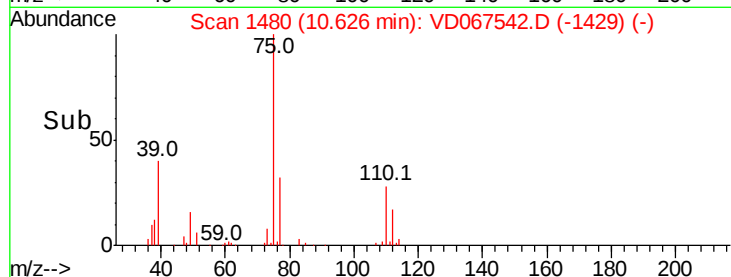
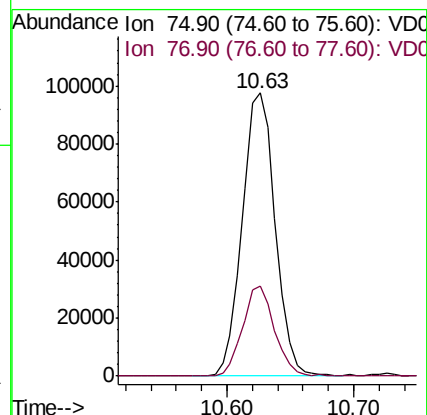
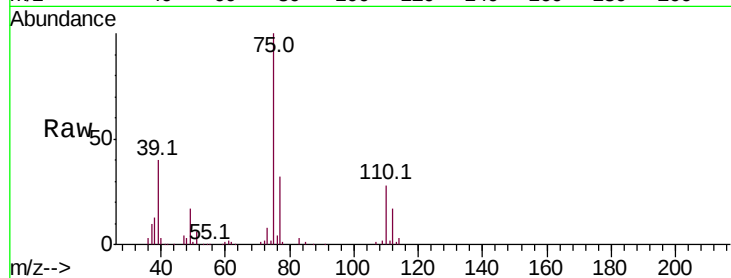
ClientSampled :

Tot Ion: 75 Resp: 175687

Ion Ratio Lower Upper

75 100

77 32.0 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 49.012 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

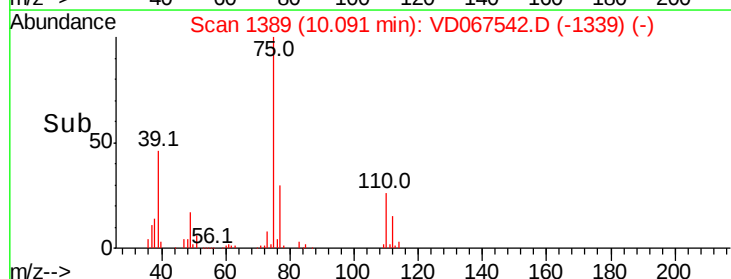
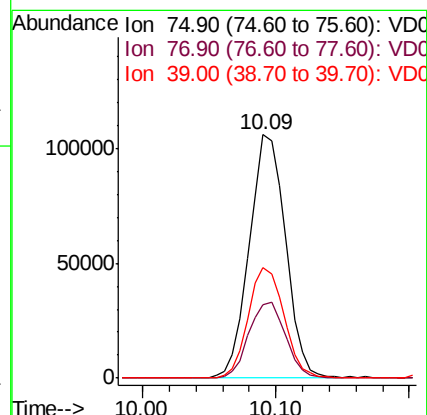
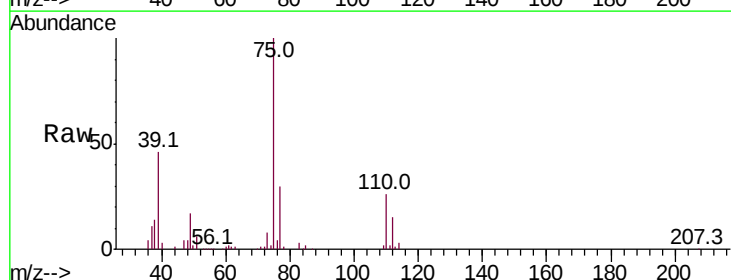
Tgt Ion: 75 Resp: 198775

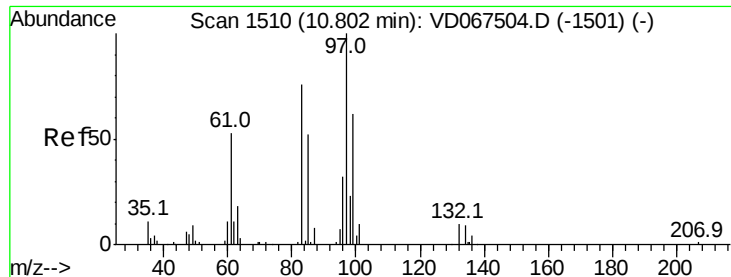
Ion Ratio Lower Upper

75 100

77 29.9 24.4 36.6

39 45.6 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 49.532 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 96102

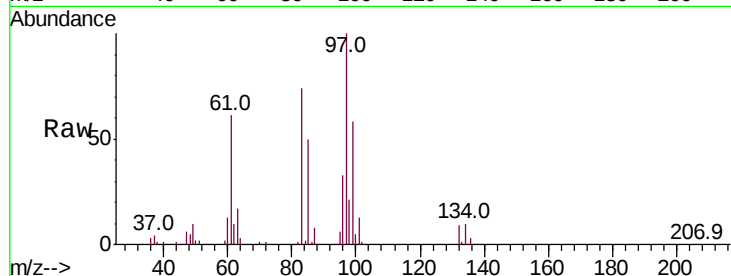
Ion	Ratio	Lower	Upper
97	100		
83	73.9	61.0	91.6
85	49.6	41.5	62.3
99	58.1	49.4	74.2

97 100

83 73.9 61.0 91.6

85 49.6 41.5 62.3

99 58.1 49.4 74.2



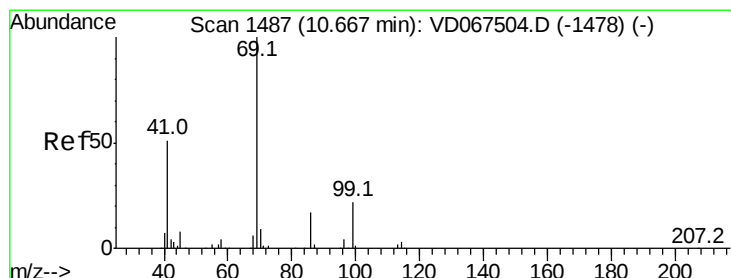
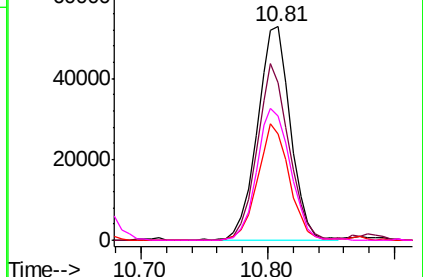
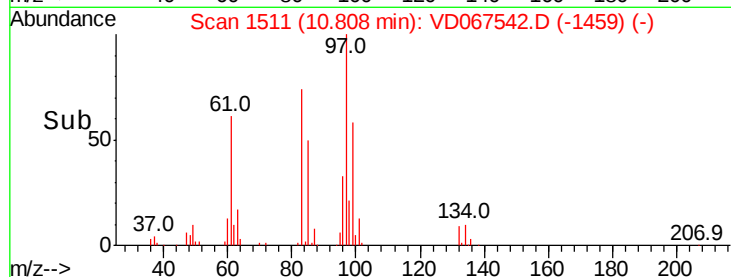
Abundance Ion 96.90 (96.60 to 97.60): VDC

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

Time-->



#56

Ethyl methacrylate

Concen: 52.639 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

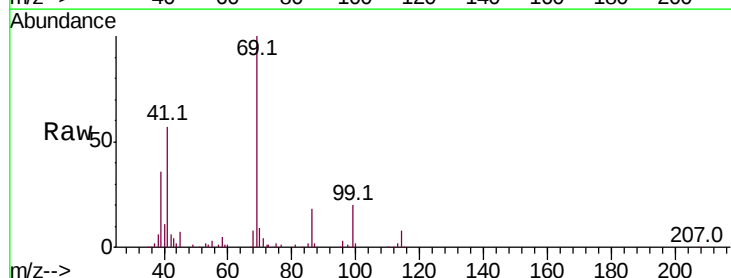
Tgt Ion: 69 Resp: 105467

Ion	Ratio	Lower	Upper
69	100		
41	52.1	45.4	68.0
39	33.7	27.4	41.0

69 100

41 52.1 45.4 68.0

39 33.7 27.4 41.0

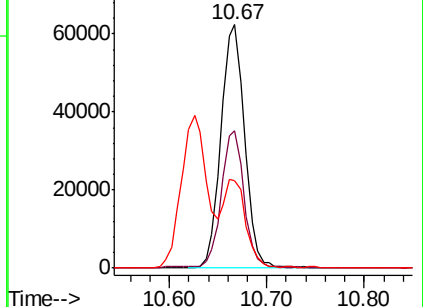
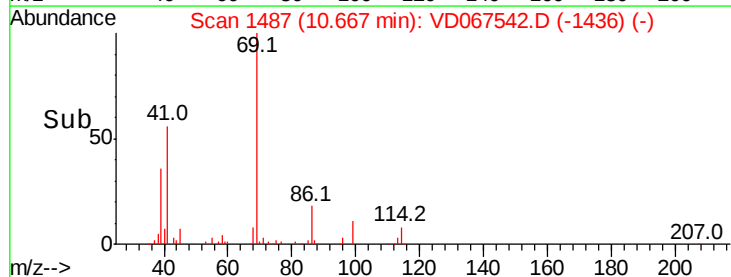


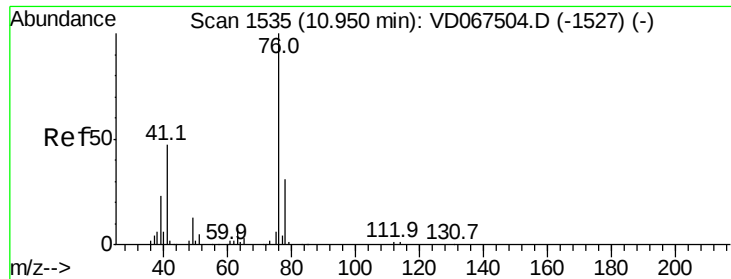
Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Time-->

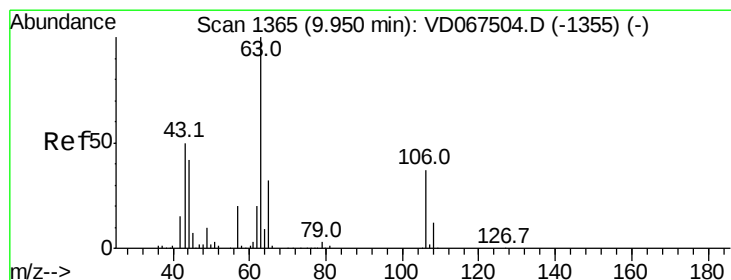
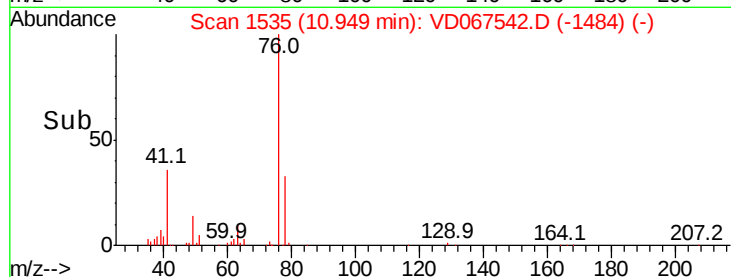
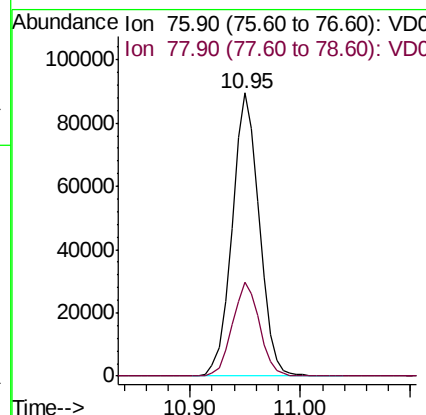
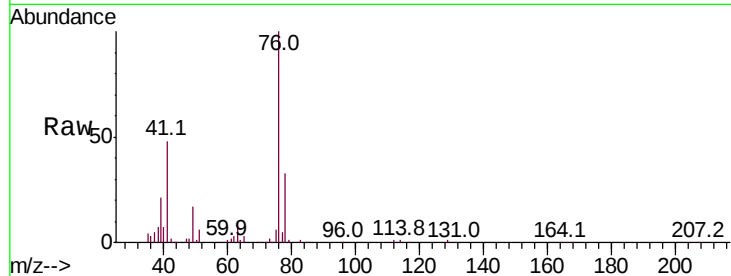




#57
 1,3-Dichloropropane
 Concen: 49.336 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

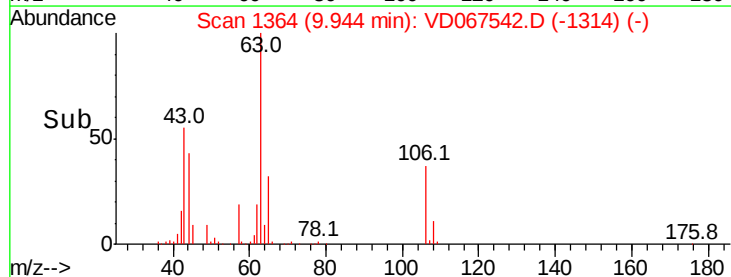
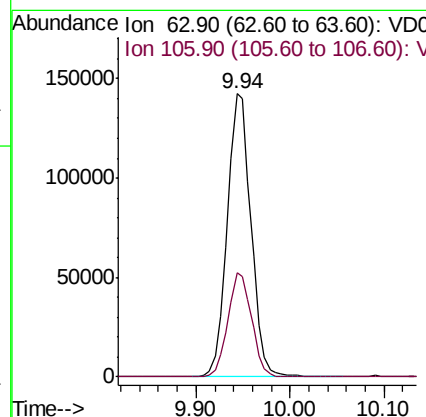
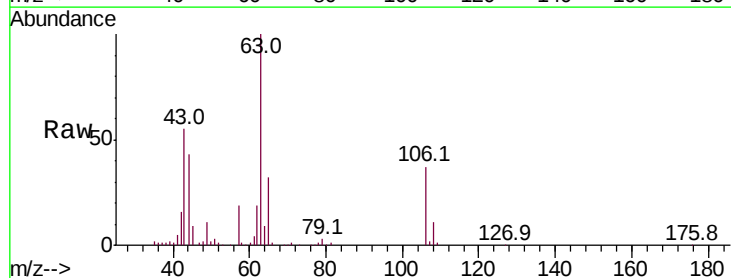
Instrument :
 MSVOA_D
 ClientSampleId :

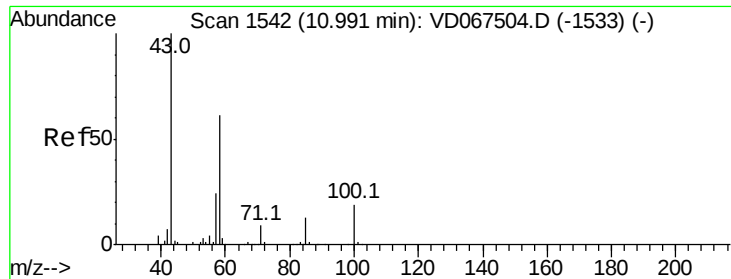
Tot Ion: 76 Resp: 154034
 Ion Ratio Lower Upper
 76 100
 78 33.6 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 267.952 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion: 63 Resp: 250357
 Ion Ratio Lower Upper
 63 100
 106 36.8 29.2 43.8

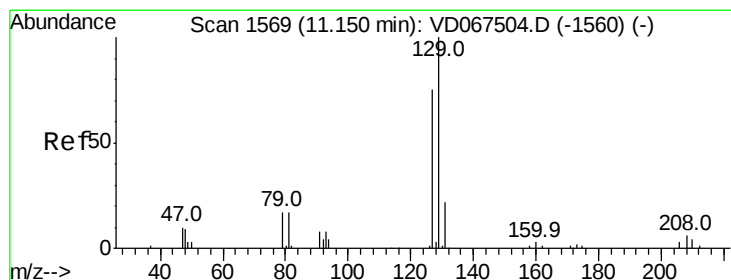
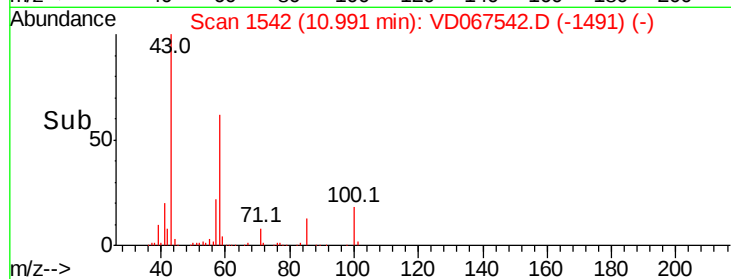
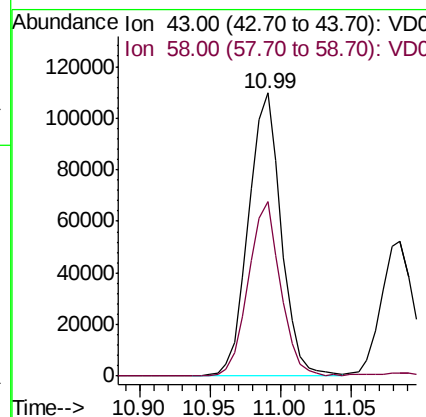
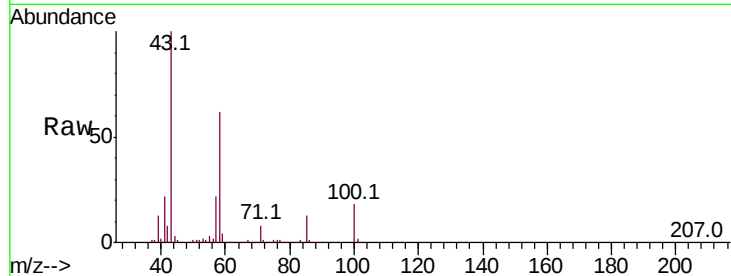




#59
2-Hexanone
Concen: 264.878 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

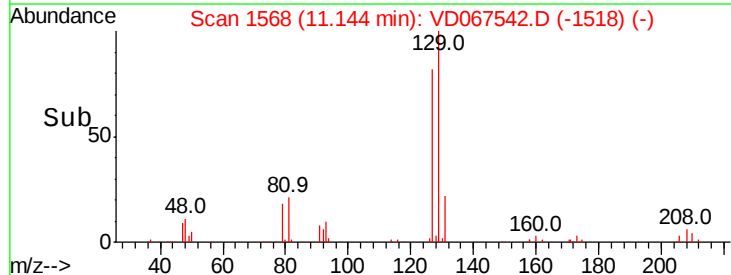
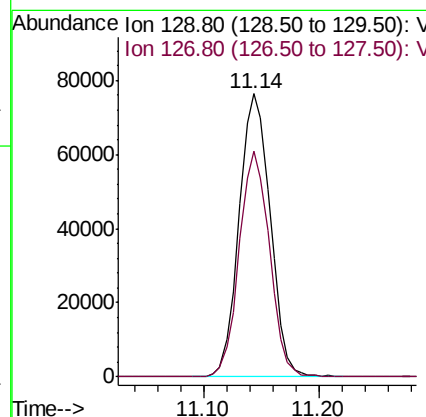
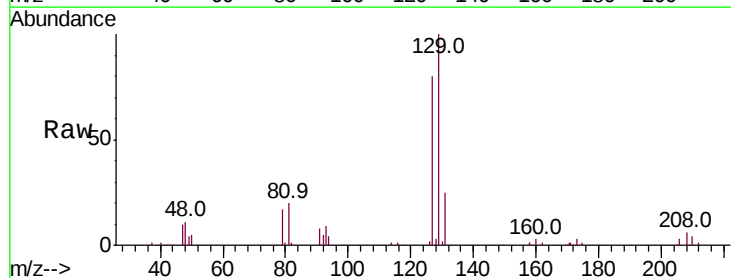
Instrument :
MSVOA_D
ClientSampleId :

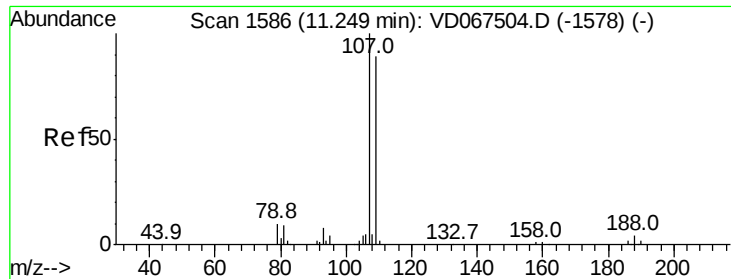
Tot Ion: 43 Resp: 179089
Ion Ratio Lower Upper
43 100
58 60.4 30.3 90.9



#60
Dibromochloromethane
Concen: 49.743 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion:129 Resp: 142767
Ion Ratio Lower Upper
129 100
127 77.7 38.0 114.1





#61

1,2-Dibromoethane

Concen: 50.930 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

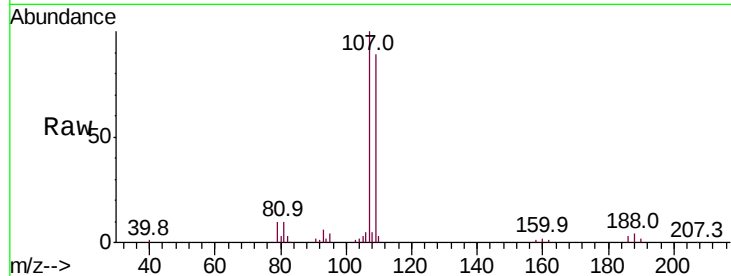
ClientSampleId :

Tot Ion:107 Resp: 99174

Ion Ratio Lower Upper

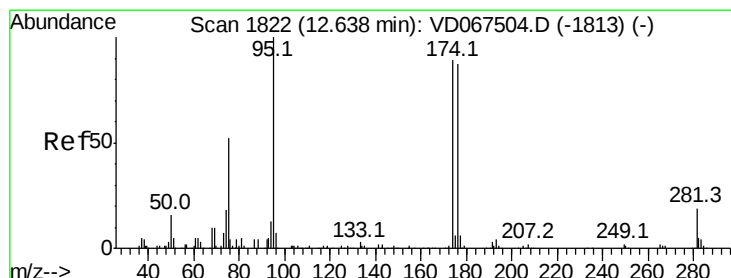
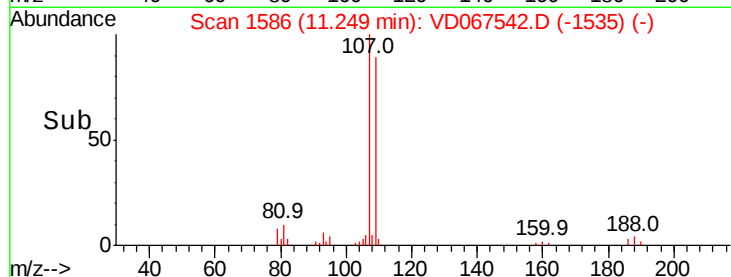
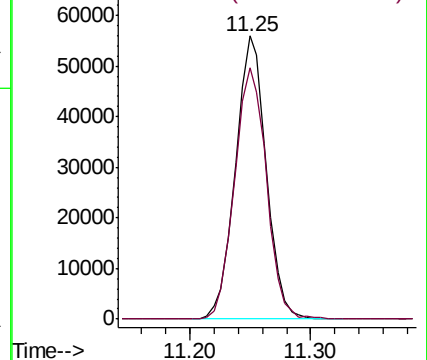
107 100

109 92.1 74.6 111.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.553 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

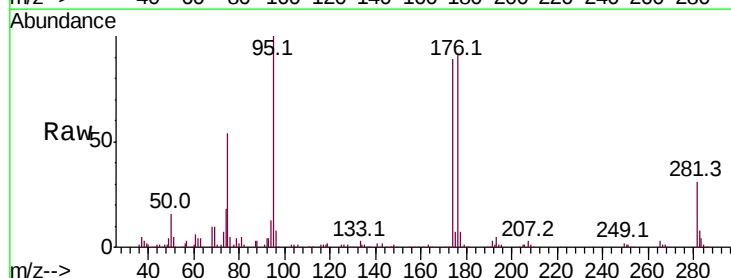
Tgt Ion: 95 Resp: 166644

Ion Ratio Lower Upper

95 100

174 88.4 0.0 177.8

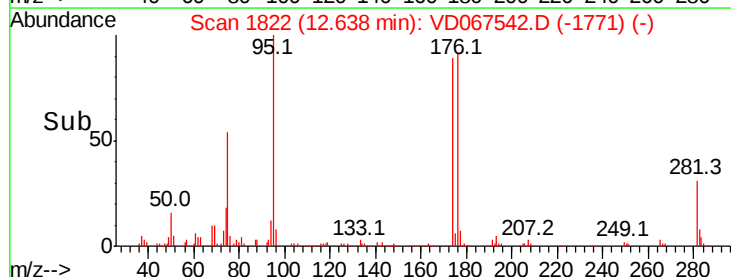
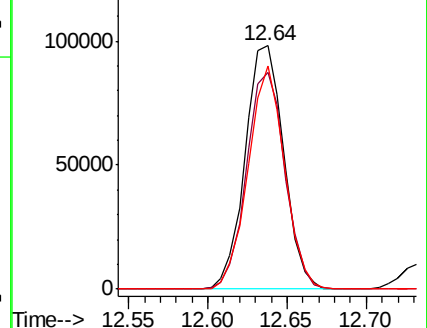
176 86.1 0.0 172.0

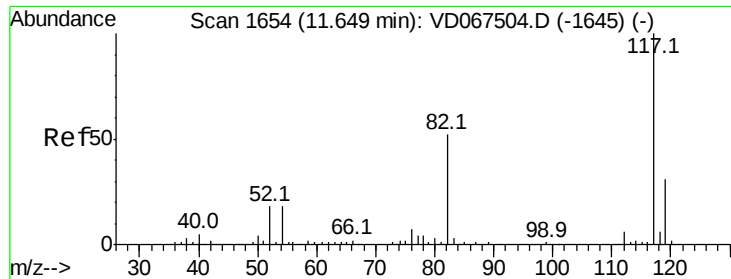


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

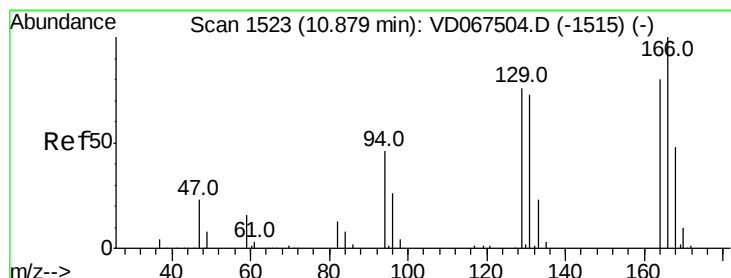
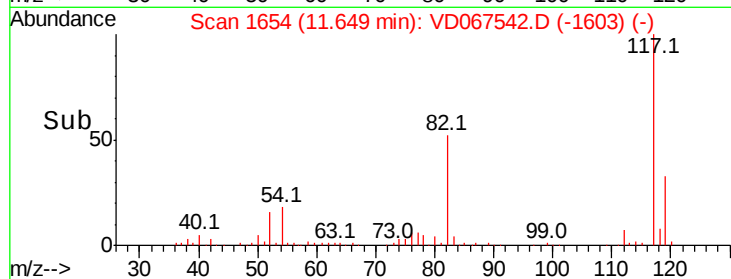
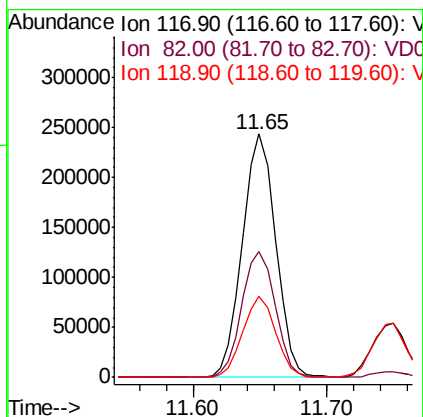
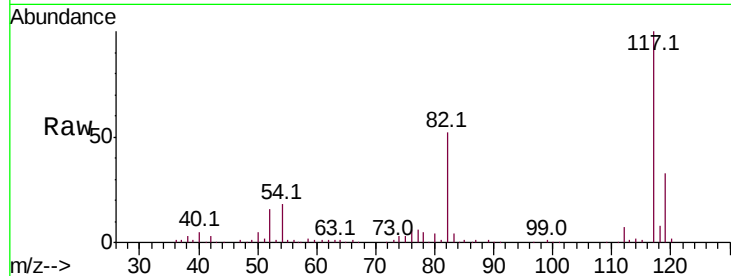




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

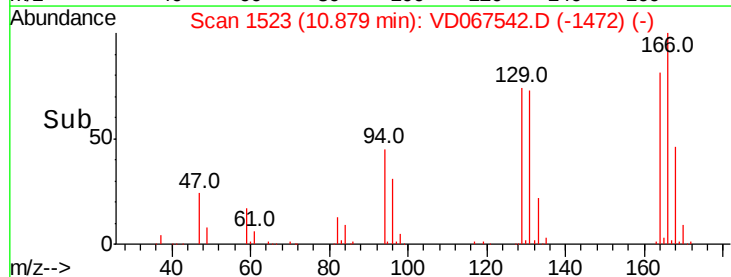
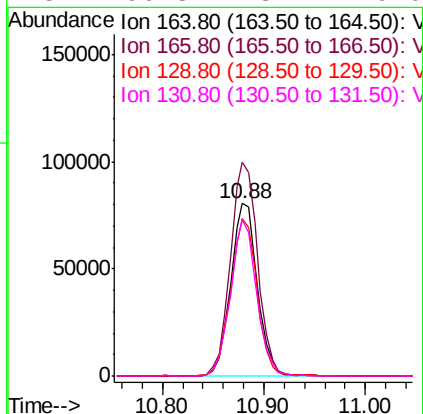
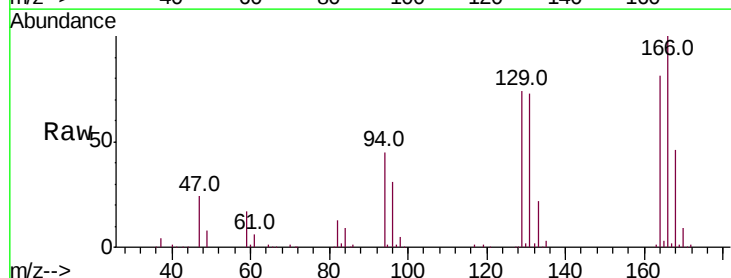
Instrument :
MSVOA_D
ClientSampleId :

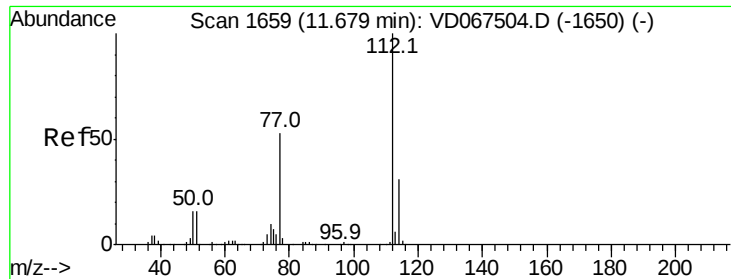
Tot Ion:117 Resp: 422040
Ion Ratio Lower Upper
117 100
82 51.9 41.6 62.4
119 33.1 25.1 37.7



#64
Tetrachloroethene
Concen: 46.761 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion:164 Resp: 146157
Ion Ratio Lower Upper
164 100
166 123.8 99.9 149.9
129 91.5 75.5 113.3
131 90.8 73.4 110.0

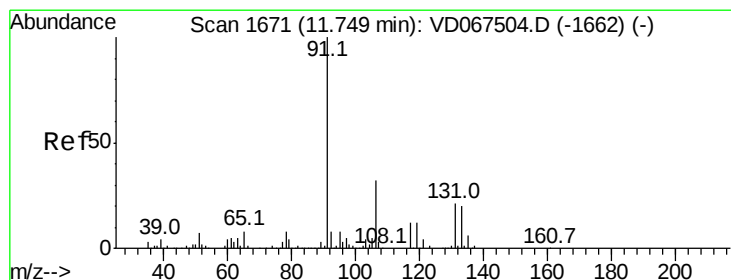
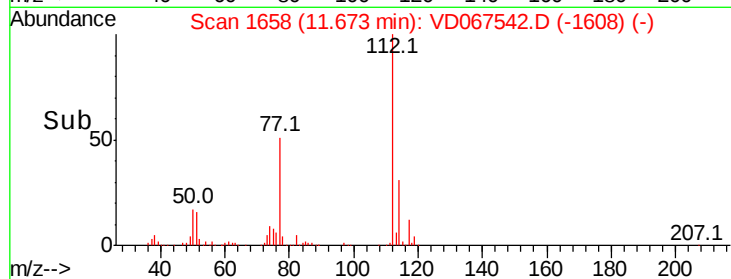
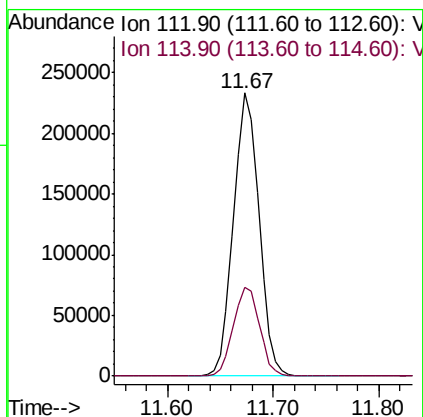
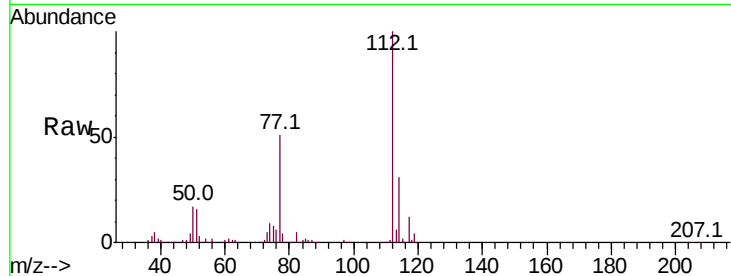




#65
Chlorobenzene
Concen: 47.915 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

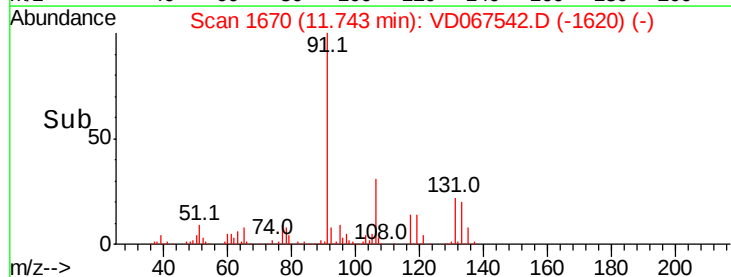
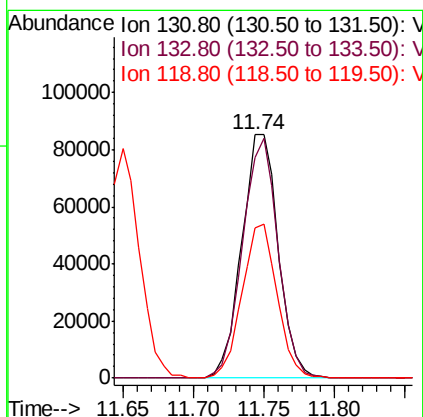
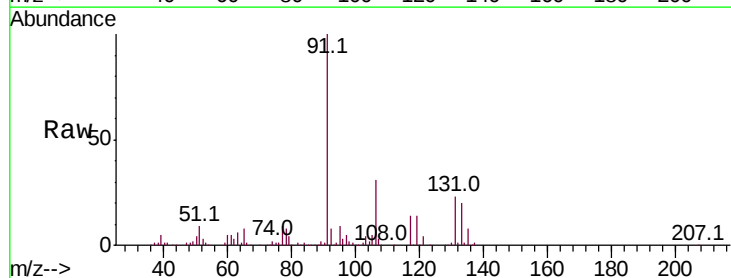
Instrument :
MSVOA_D
ClientSampled :

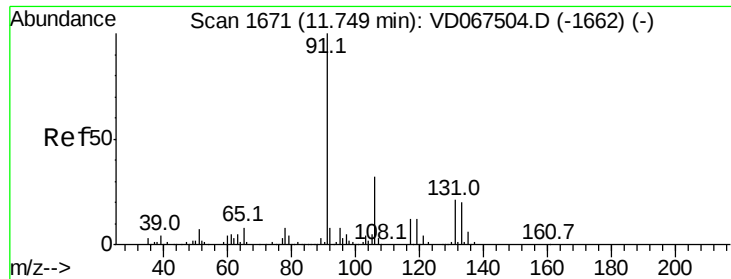
Tot Ion:112 Resp: 389533
Ion Ratio Lower Upper
112 100
114 31.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 48.321 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion:131 Resp: 154829
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 61.1 30.1 90.5





#67

Ethyl Benzene

Concen: 49.241 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

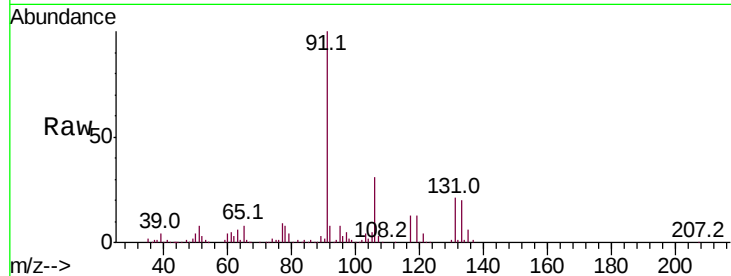
ClientSampleId :

Tot Ion: 91 Resp: 685011

Ion Ratio Lower Upper

91 100

106 31.1 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

600000

500000

400000

300000

200000

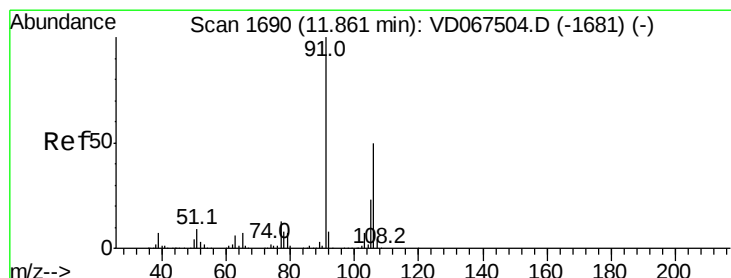
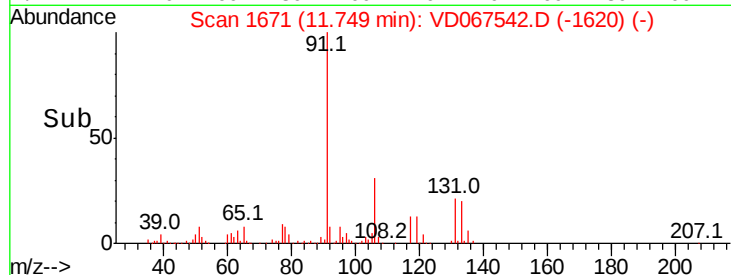
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 97.128 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067542.D

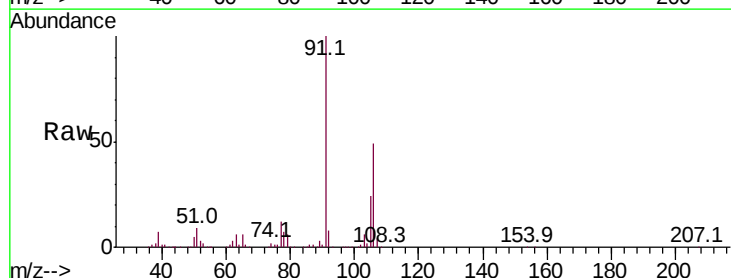
Acq: 05 Nov 2020 17:34

Tgt Ion: 106 Resp: 525674

Ion Ratio Lower Upper

106 100

91 203.5 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

300000

200000

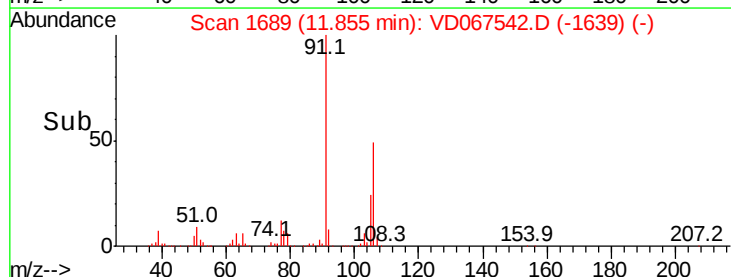
100000

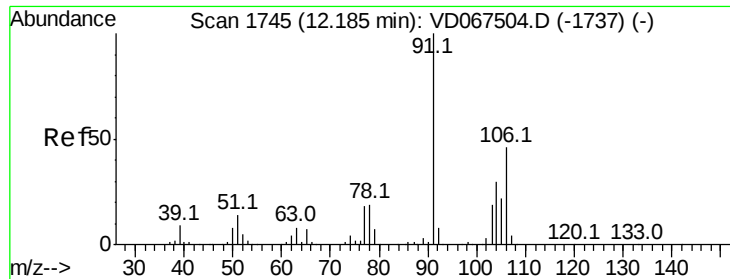
0

11.86

11.90

Time-->

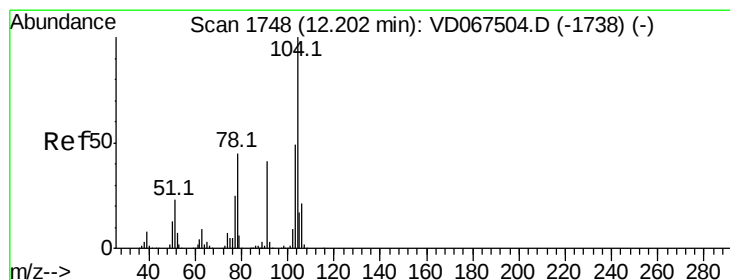
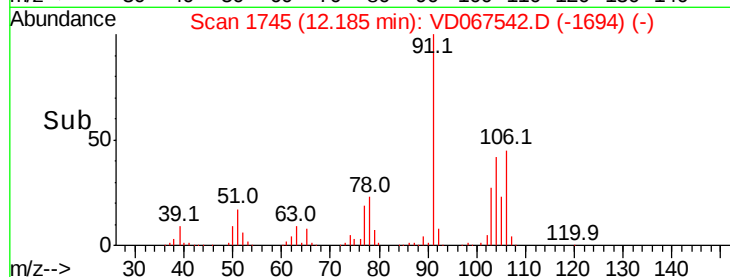
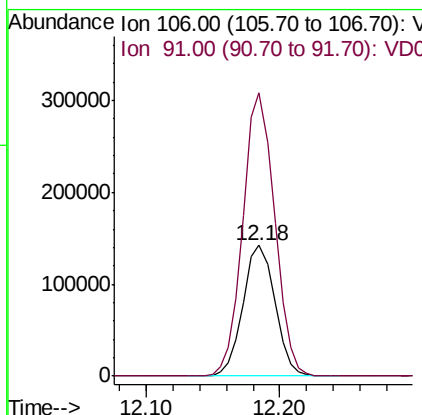
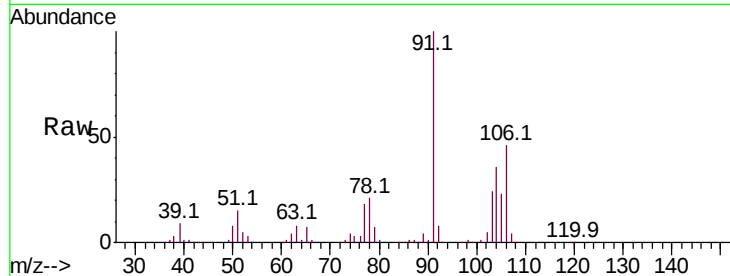




#69
o-Xylene
Concen: 48.786 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

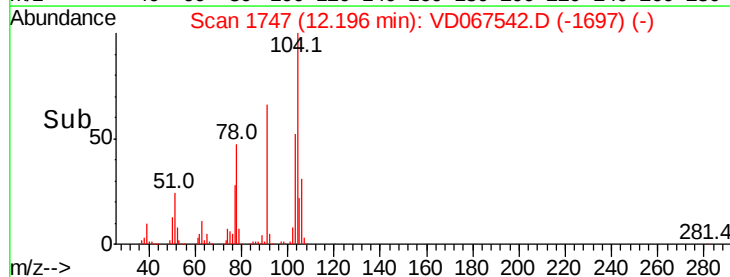
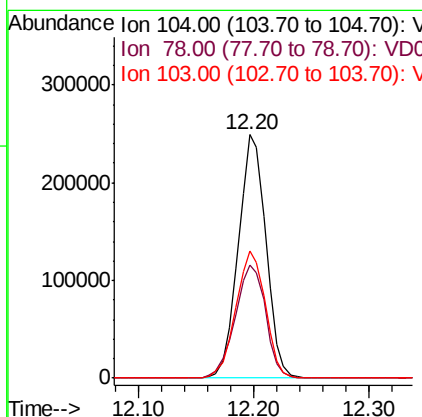
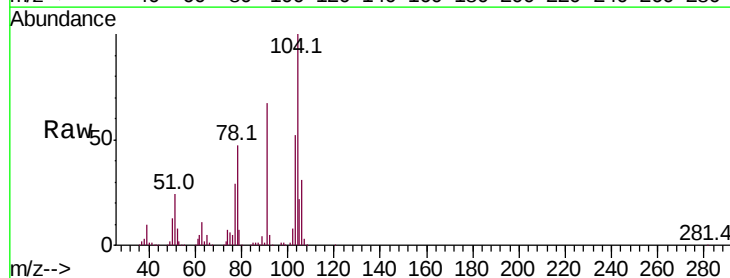
Instrument :
MSVOA_D
ClientSampleId :

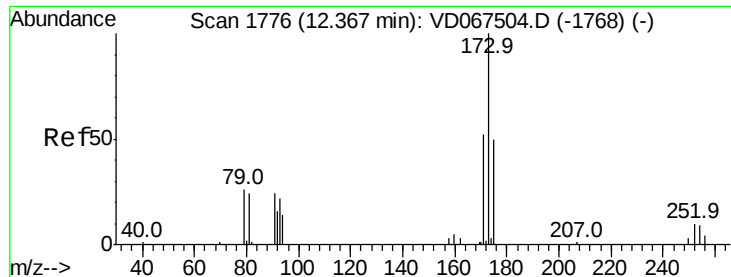
Tot Ion:106 Resp: 235738
Ion Ratio Lower Upper
106 100
91 215.2 107.1 321.1



#70
Styrene
Concen: 49.111 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion:104 Resp: 413515
Ion Ratio Lower Upper
104 100
78 51.1 39.8 59.8
103 55.8 43.9 65.9





#71

Bromoform

Concen: 51.156 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampled :

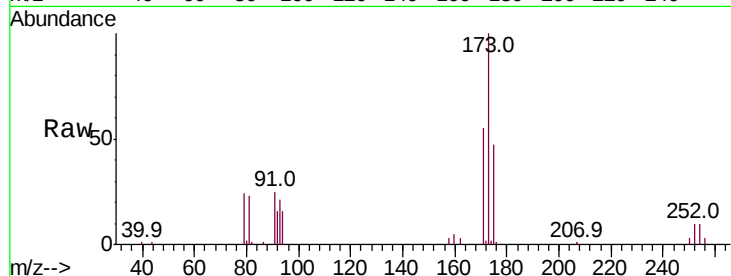
Tot Ion:173 Resp: 83596

Ion Ratio Lower Upper

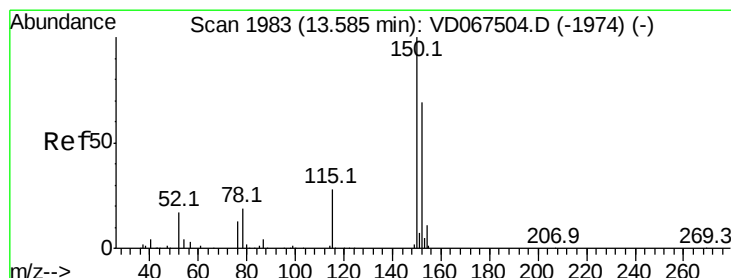
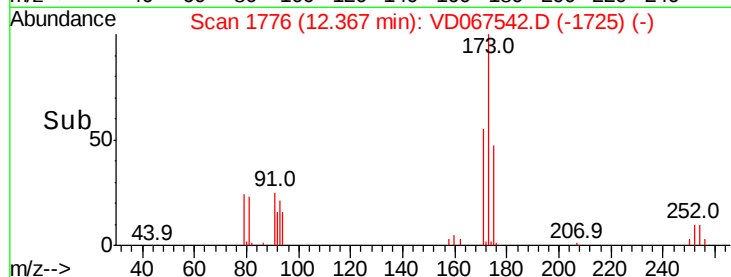
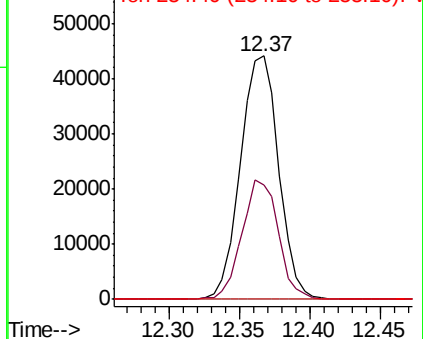
173 100

175 46.8 24.1 72.2

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

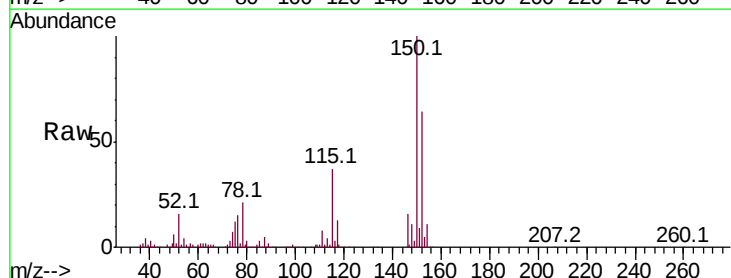
Tgt Ion:152 Resp: 214483

Ion Ratio Lower Upper

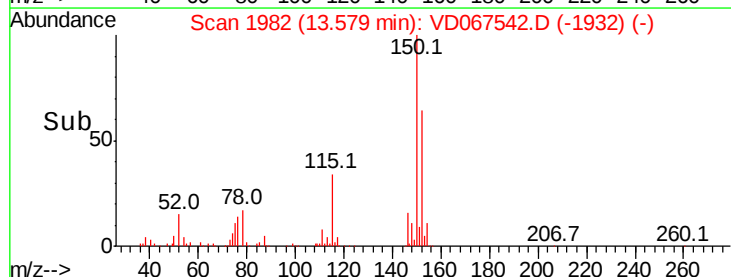
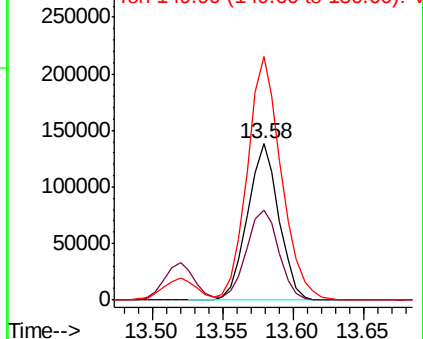
152 100

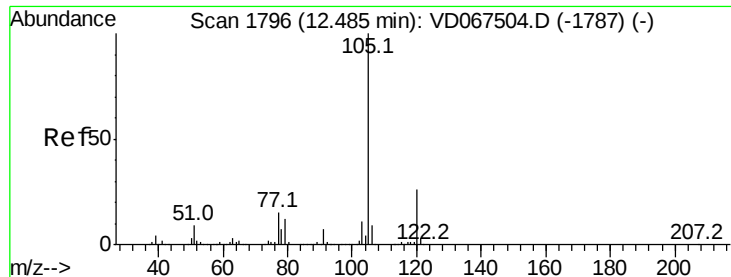
115 60.0 29.3 88.0

150 169.5 0.0 338.2



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





#73

Isopropylbenzene

Concen: 47.791 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

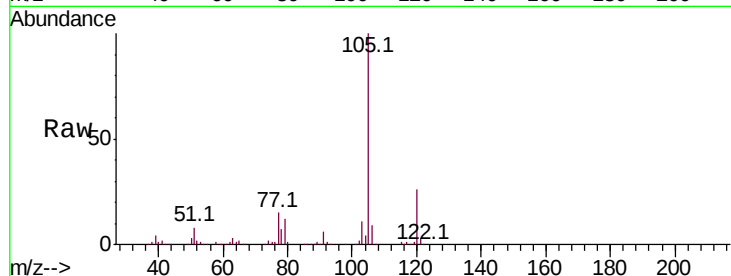
ClientSampleId :

Tot Ion:105 Resp: 662464

Ion Ratio Lower Upper

105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

300000

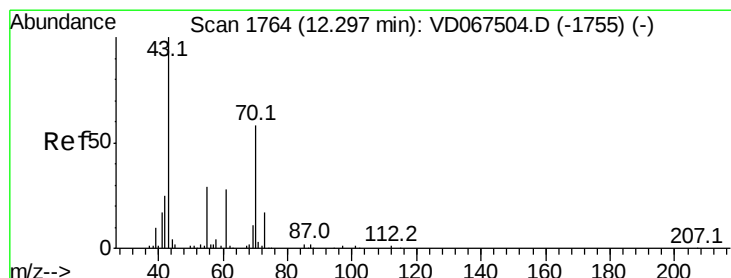
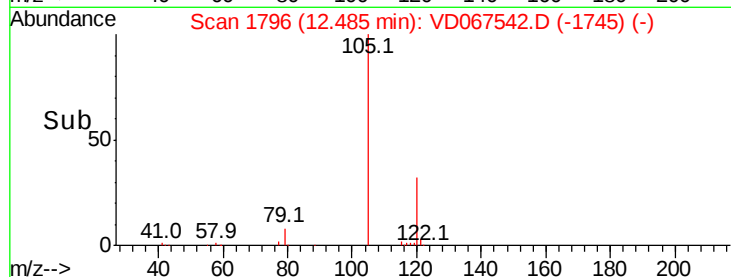
200000

100000

0

Time-->

12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 50.256 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Tgt Ion: 43 Resp: 91666

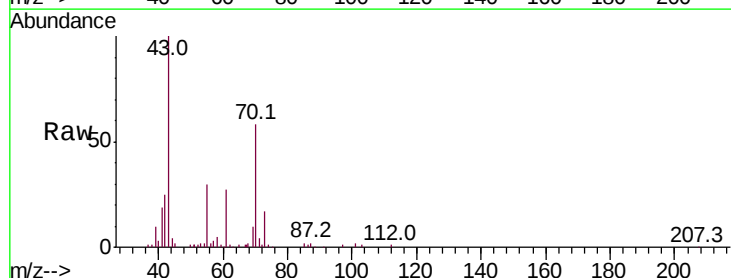
Ion Ratio Lower Upper

43 100

70 56.6 42.6 64.0

55 31.6 23.7 35.5

61 26.8 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

60000

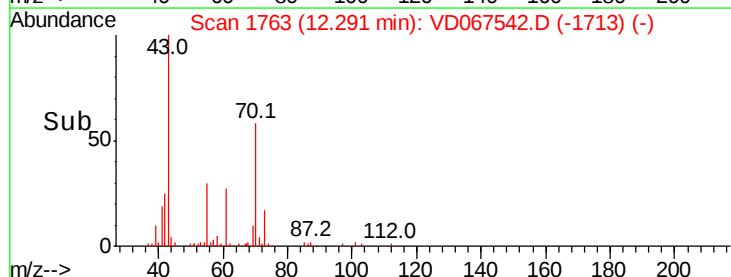
40000

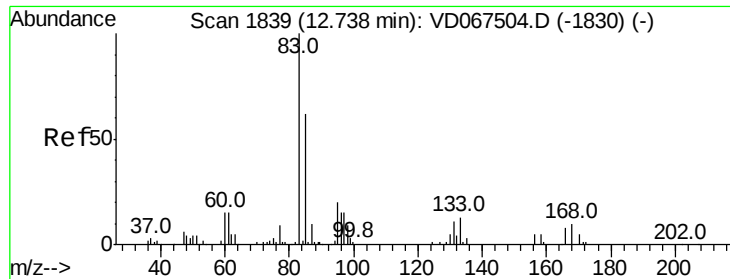
20000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 49.487 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

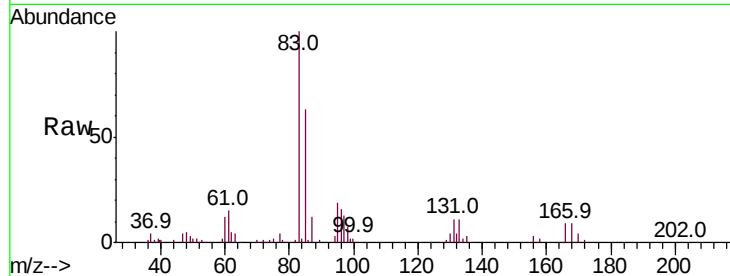
Tot Ion: 83 Resp: 93540

Ion Ratio Lower Upper

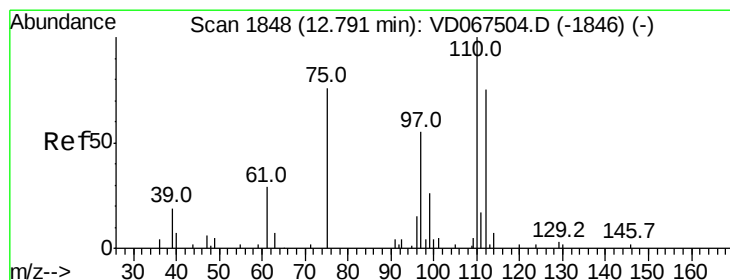
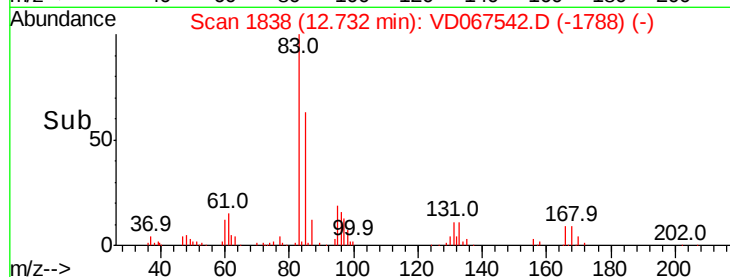
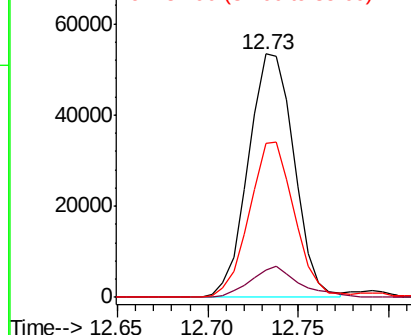
83 100

131 13.7 7.1 21.3

85 63.2 32.9 98.7



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



#76

1,2,3-Trichloropropane

Concen: 101.608 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067542.D

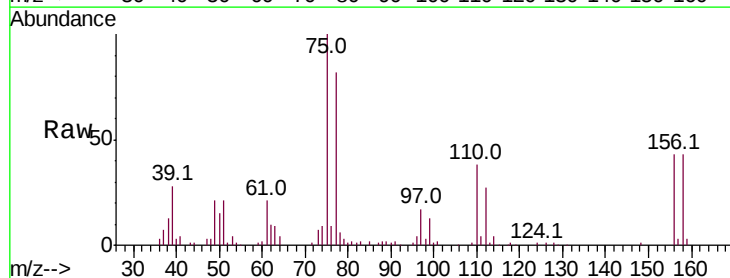
Acq: 05 Nov 2020 17:34

Tgt Ion: 75 Resp: 131469

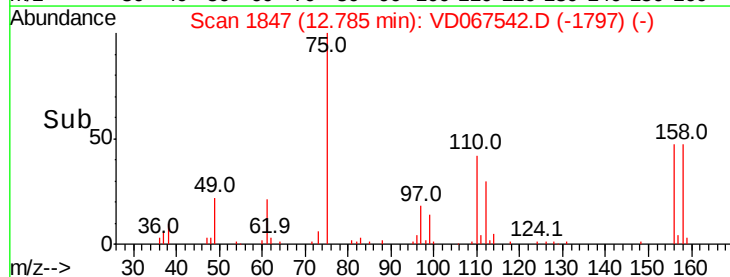
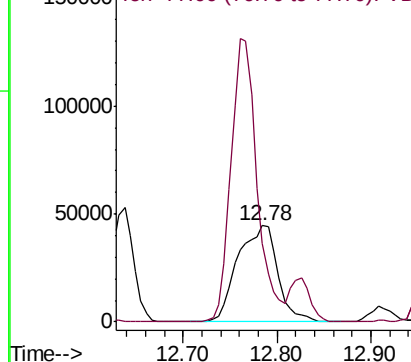
Ion Ratio Lower Upper

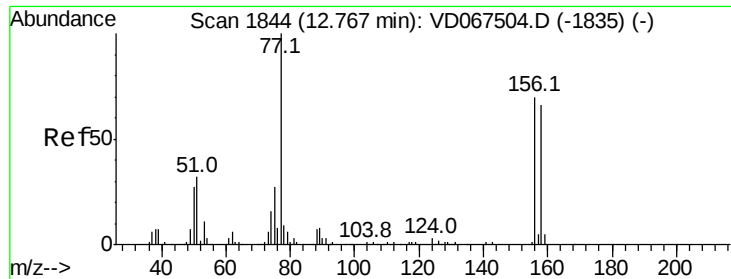
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 48.853 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

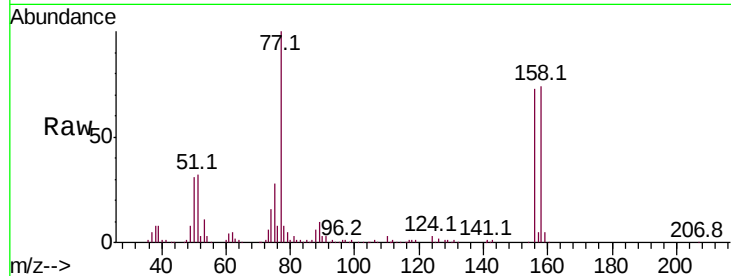
Tot Ion:156 Resp: 166307

Ion Ratio Lower Upper

156 100

77 152.7 77.8 233.5

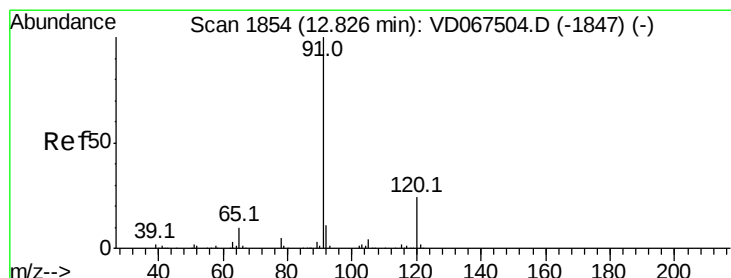
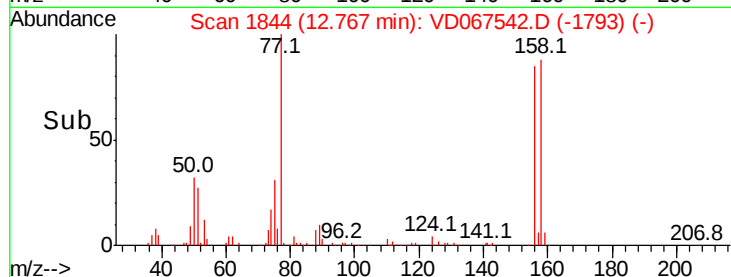
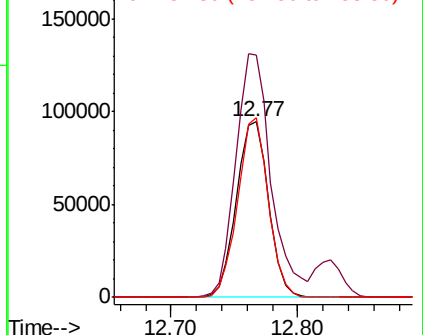
158 97.3 47.9 143.7



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: 47.339 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067542.D

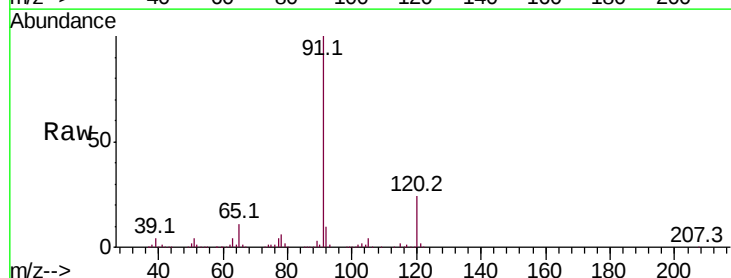
Acq: 05 Nov 2020 17:34

Tgt Ion: 91 Resp: 750576

Ion Ratio Lower Upper

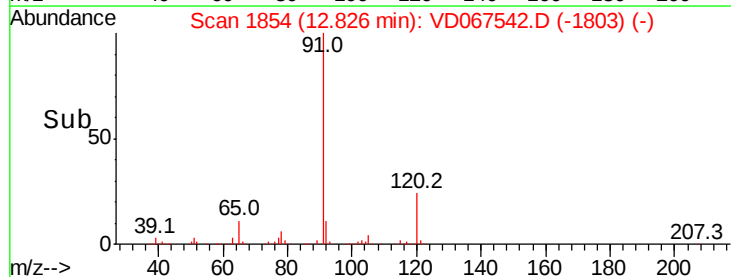
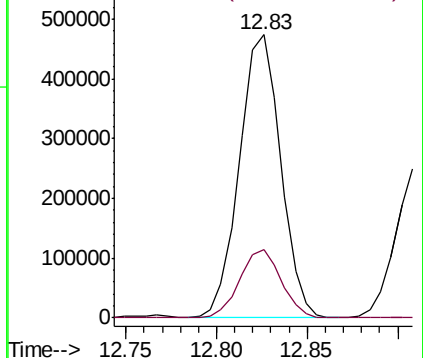
91 100

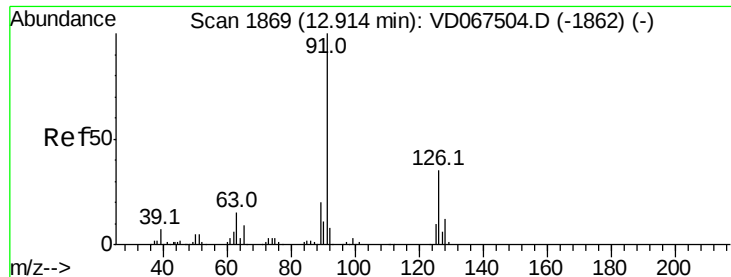
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.515 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

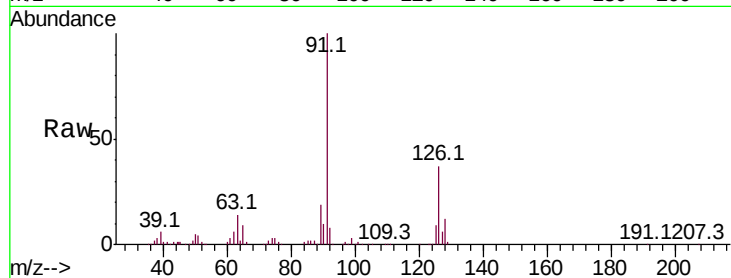
ClientSampleId :

Tot Ion: 91 Resp: 436952

Ion Ratio Lower Upper

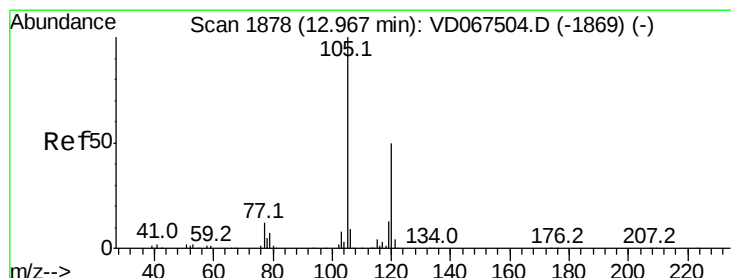
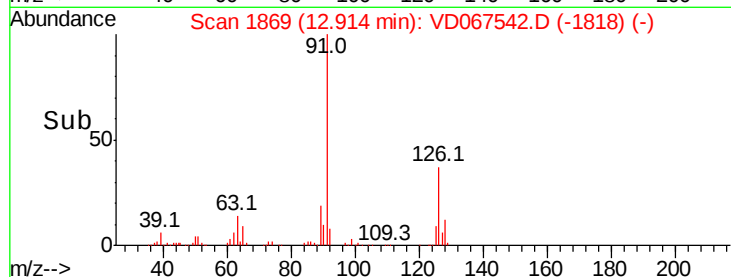
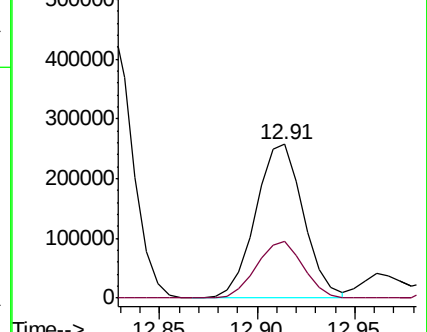
91 100

126 36.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 48.478 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067542.D

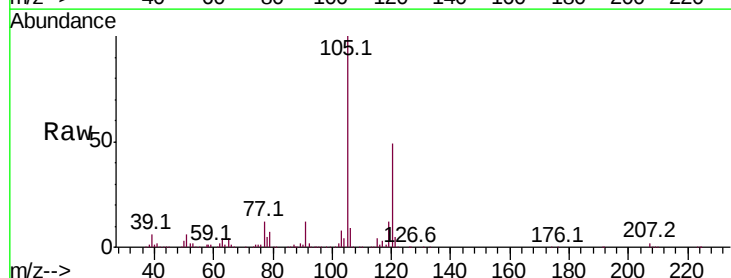
Acq: 05 Nov 2020 17:34

Tgt Ion:105 Resp: 574046

Ion Ratio Lower Upper

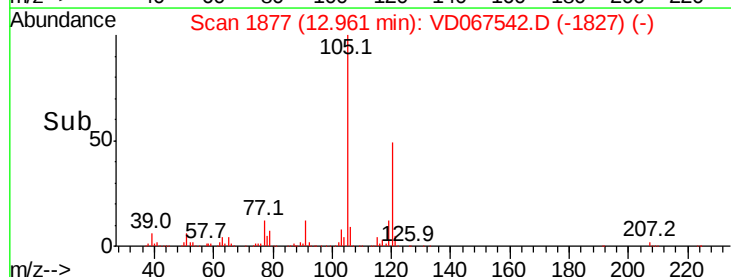
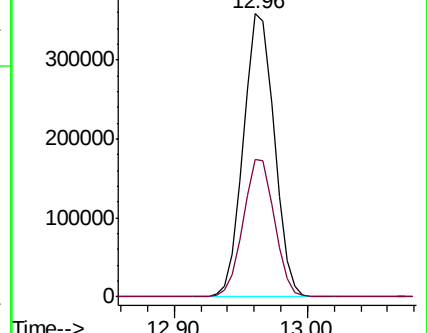
105 100

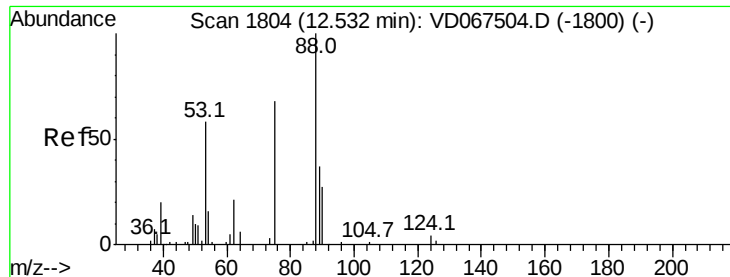
120 48.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 47.957 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

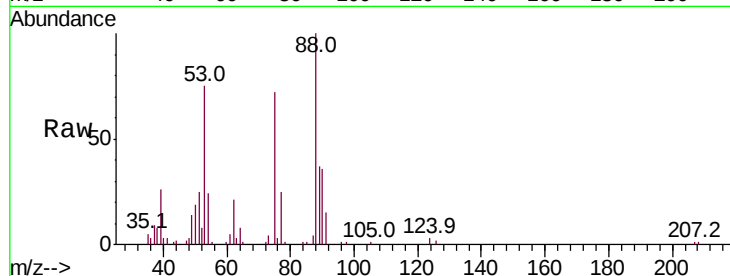
Tot Ion: 75 Resp: 30563

Ion Ratio Lower Upper

75 100

53 91.8 75.9 113.9

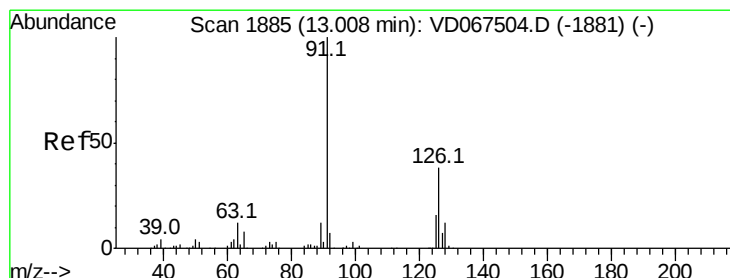
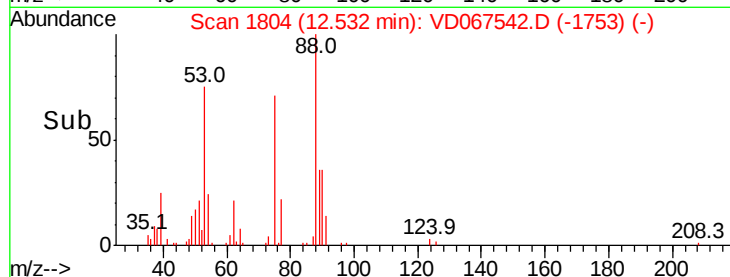
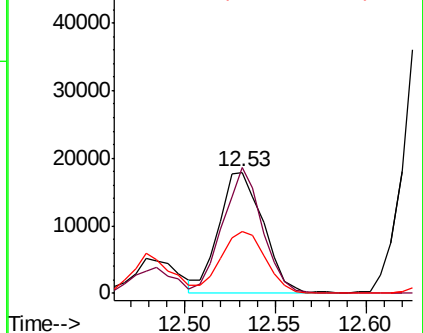
89 50.2 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 47.812 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067542.D

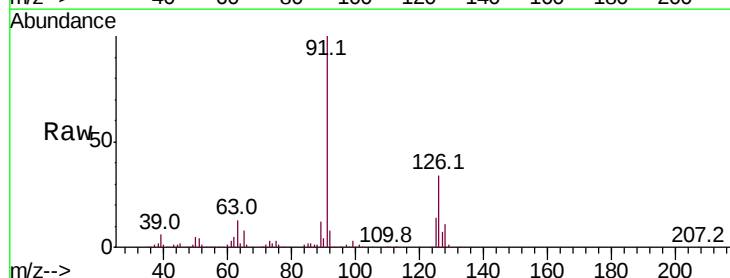
Acq: 05 Nov 2020 17:34

Tgt Ion: 91 Resp: 461841

Ion Ratio Lower Upper

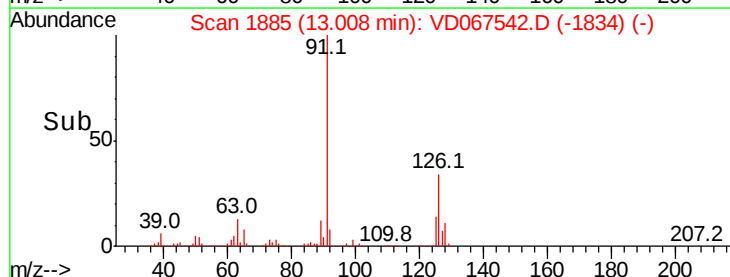
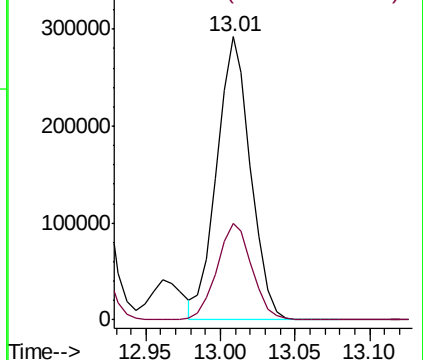
91 100

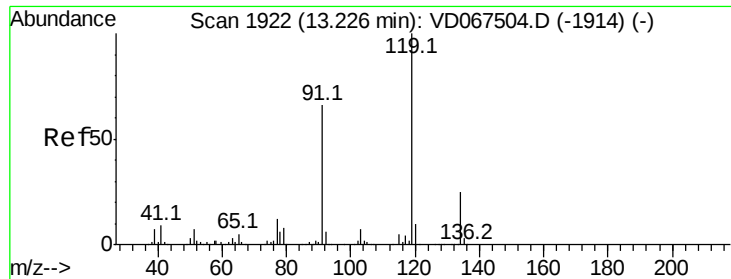
126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

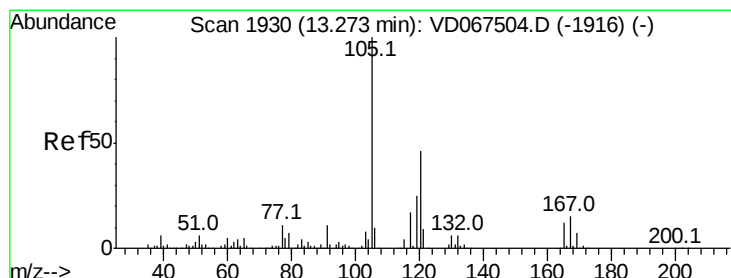
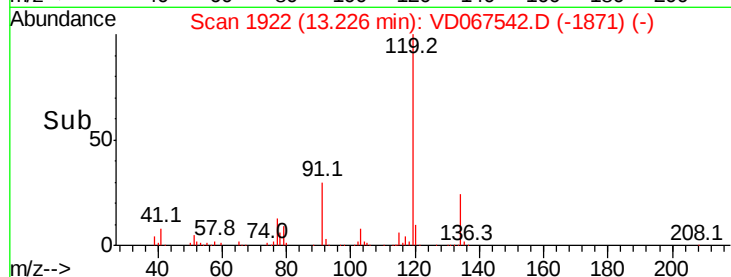
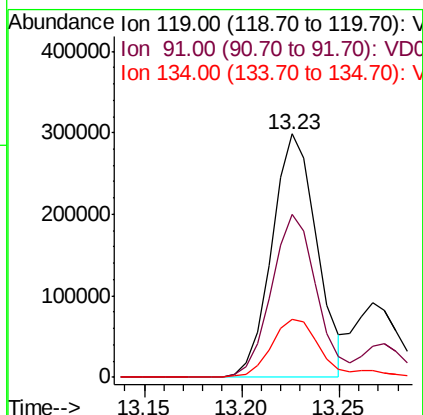
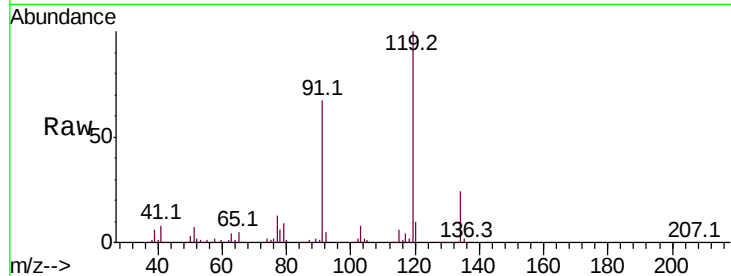




#83
tert-Butylbenzene
Concen: 47.497 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

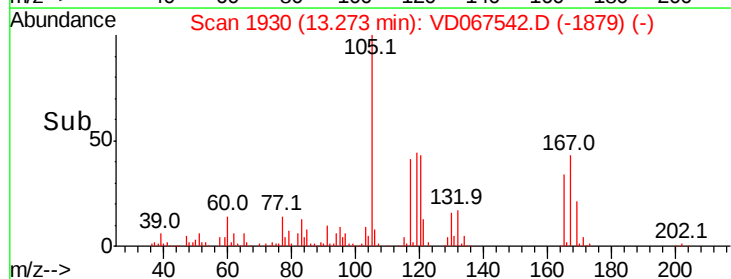
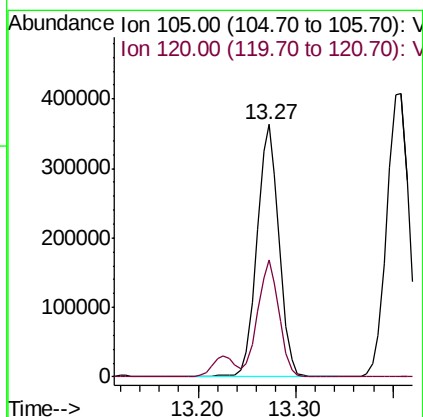
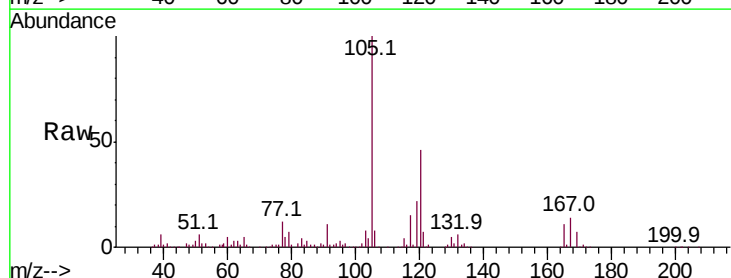
Instrument :
MSVOA_D
ClientSampleId :

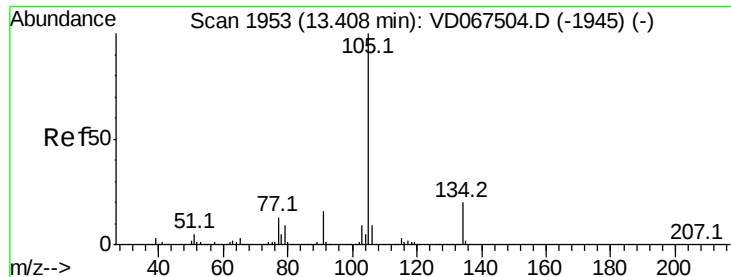
Tot Ion:119 Resp: 476662
Ion Ratio Lower Upper
119 100
91 67.2 32.7 98.1
134 27.1 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 48.851 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion:105 Resp: 575810
Ion Ratio Lower Upper
105 100
120 44.9 22.1 66.1





#85

sec-Butylbenzene

Concen: 48.204 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

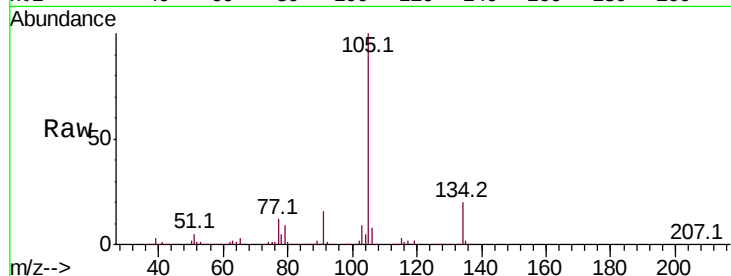
ClientSampleId :

Tot Ion:105 Resp: 653046

Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

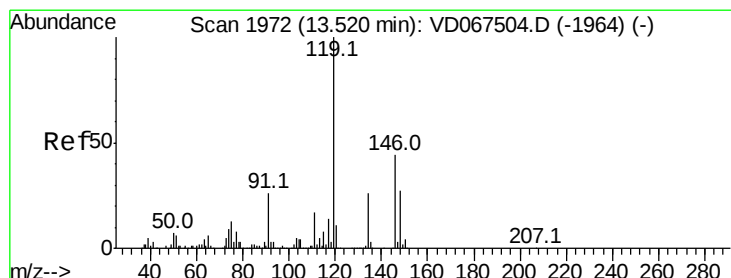
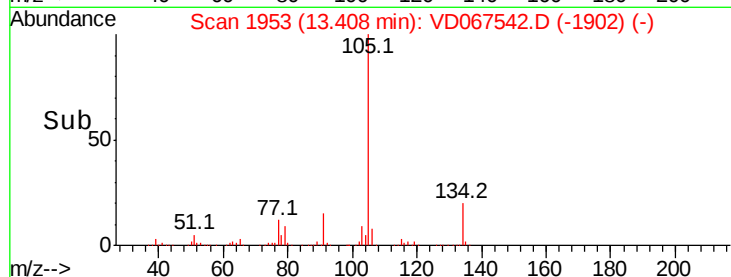
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 47.460 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

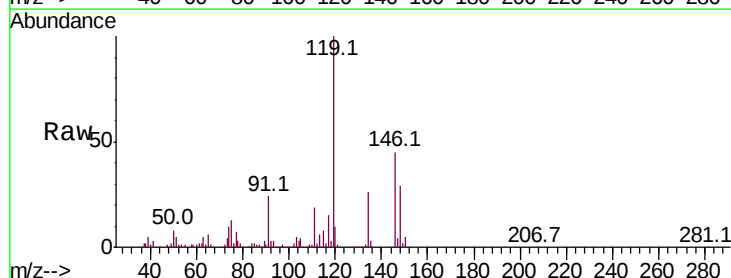
Tgt Ion:119 Resp: 620901

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 23.9 12.2 36.4



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

13.52

500000

400000

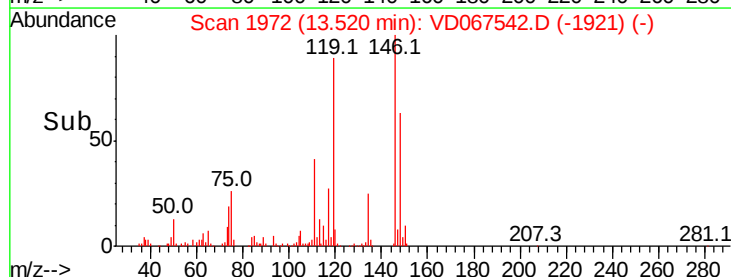
300000

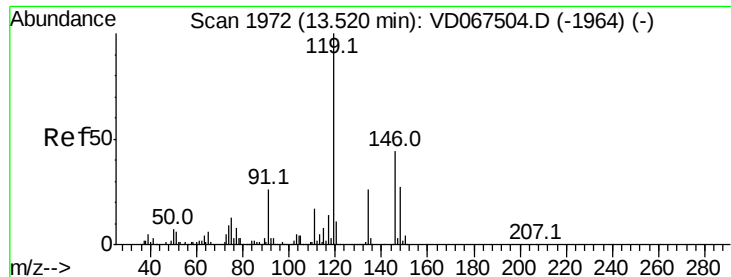
200000

100000

0

Time--> 13.45 13.50 13.55

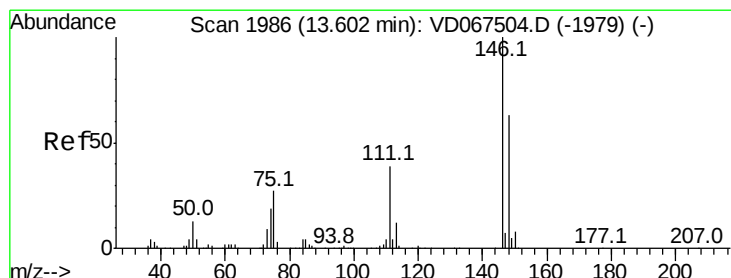
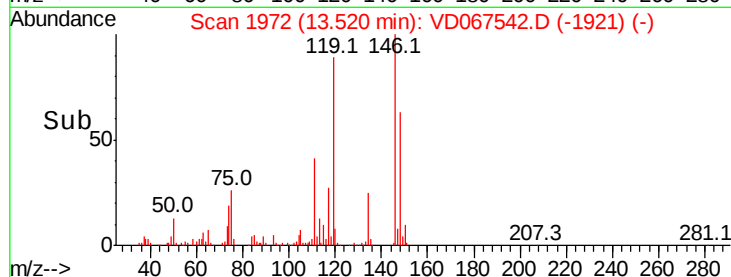
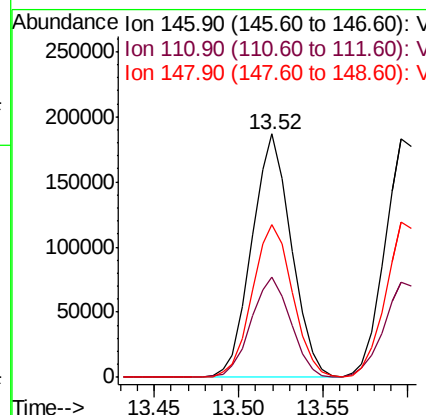
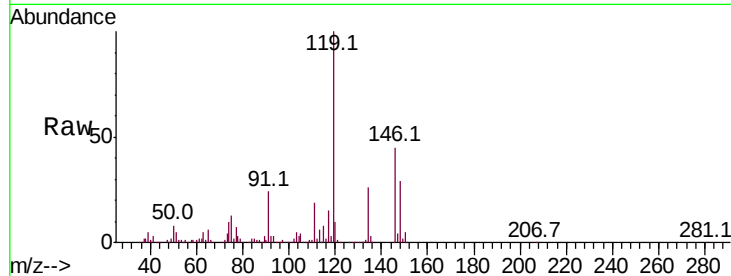




#87
 1,3-Dichlorobenzene
 Concen: 46.788 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

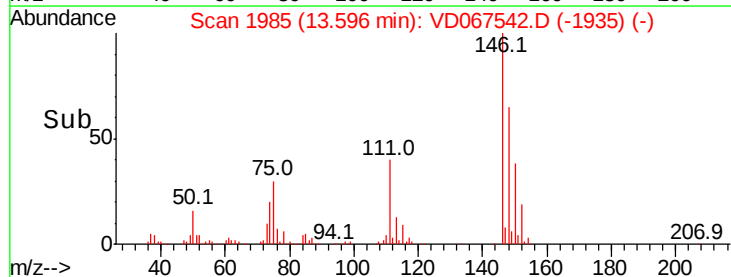
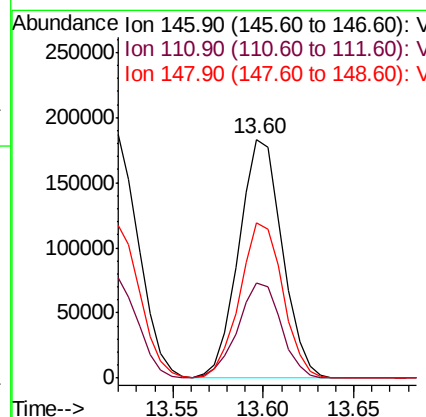
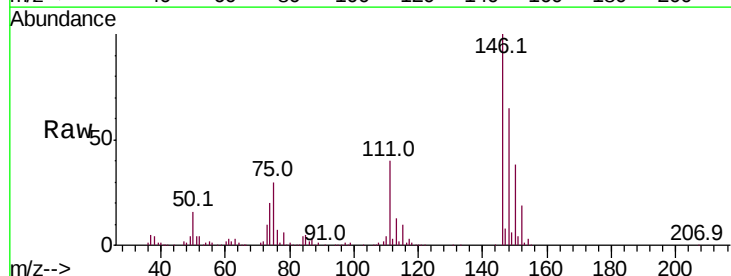
Instrument :
 MSVOA_D
 ClientSampleID :

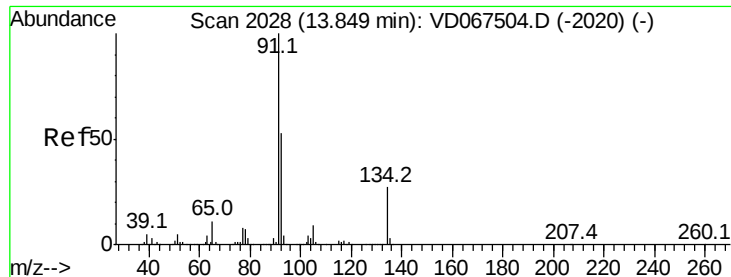
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	63.9	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 46.388 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.6	58.7
148	64.7	31.8	95.4

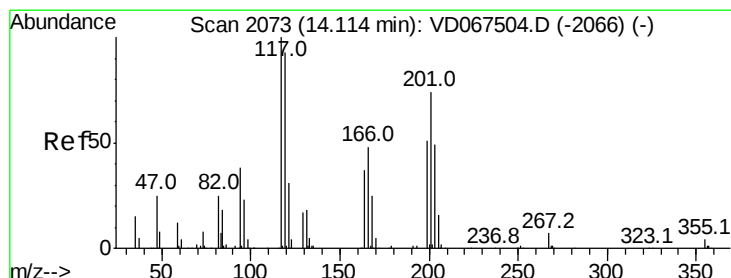
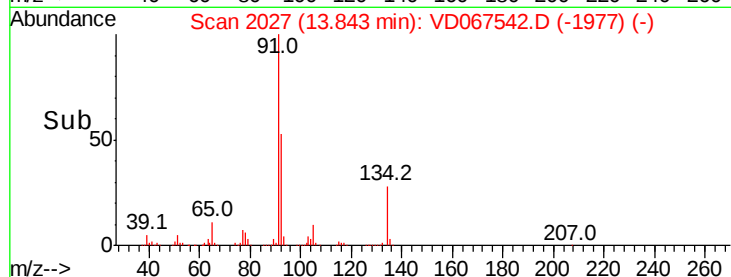
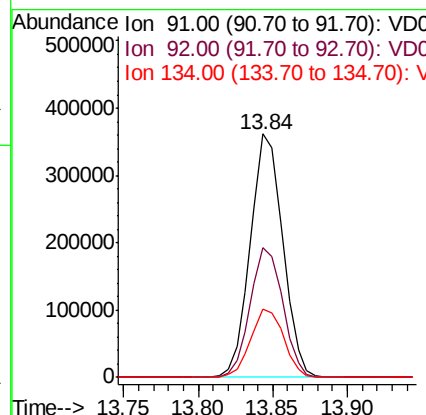
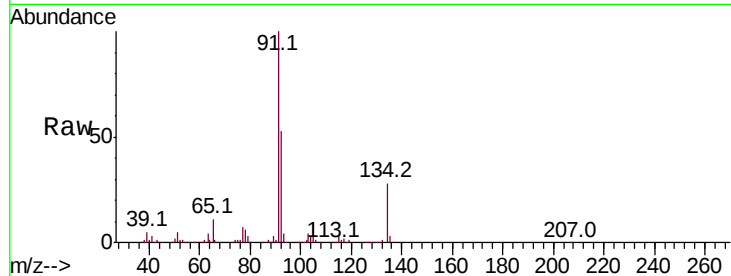




#89
n-Butylbenzene
Concen: 48.077 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

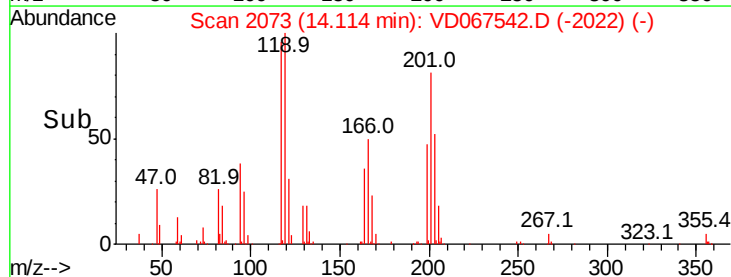
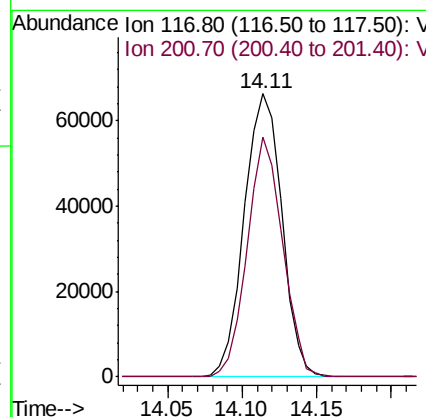
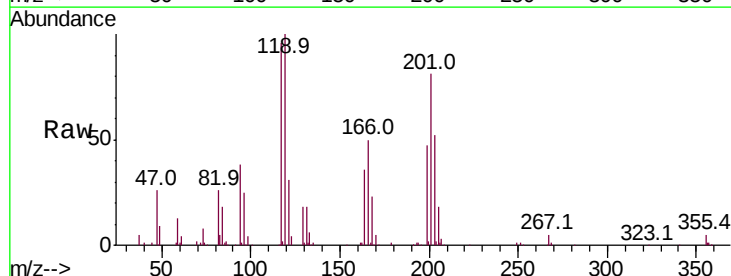
Instrument :
MSVOA_D
ClientSampled :

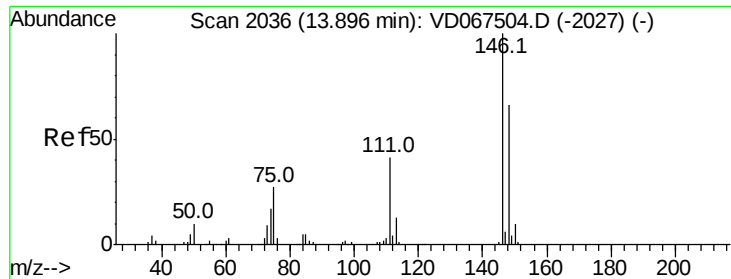
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.6	79.8
134	28.5	14.1	42.2



#90
Hexachloroethane
Concen: 47.059 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067542.D
Acq: 05 Nov 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.5	40.7	122.1





#91

1,2-Dichlorobenzene

Concen: 47.653 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

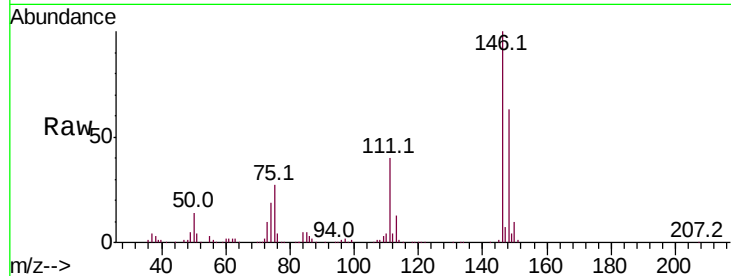
Tot Ion:146 Resp: 267900

Ion Ratio Lower Upper

146 100

111 41.0 20.7 62.1

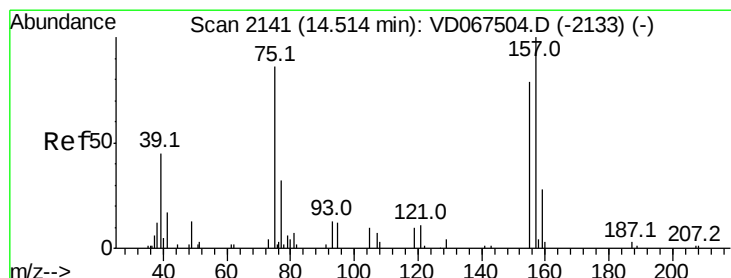
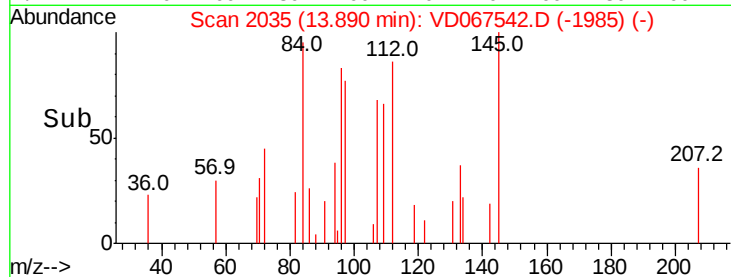
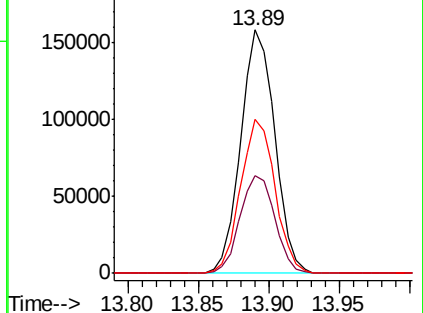
148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.689 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

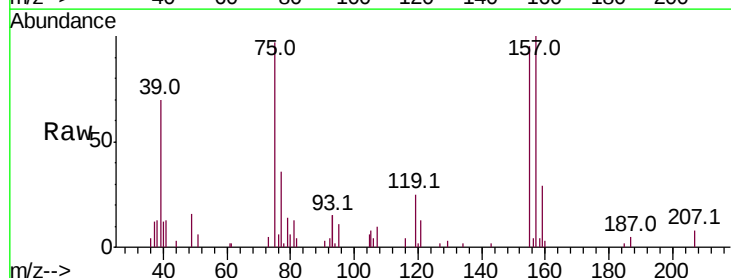
Tgt Ion: 75 Resp: 17968

Ion Ratio Lower Upper

75 100

155 86.4 46.6 139.8

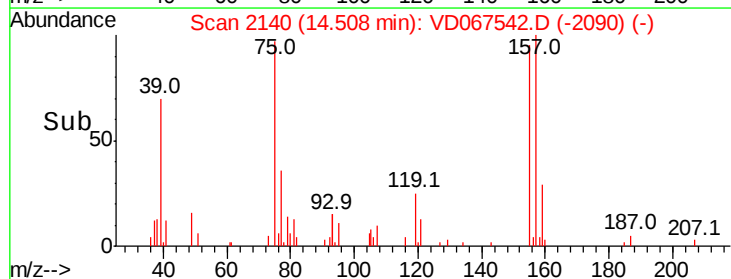
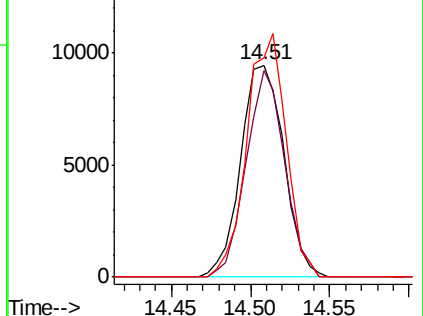
157 104.0 58.1 174.2

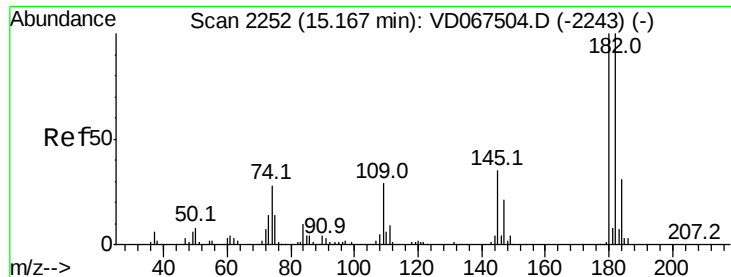


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

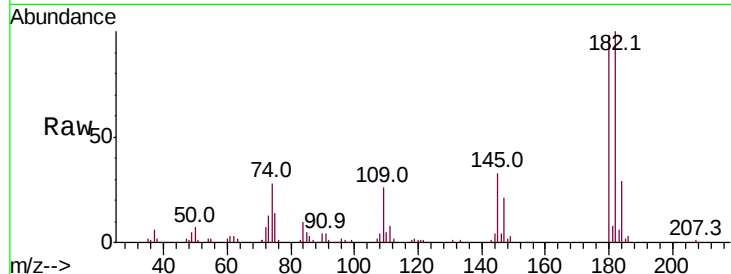




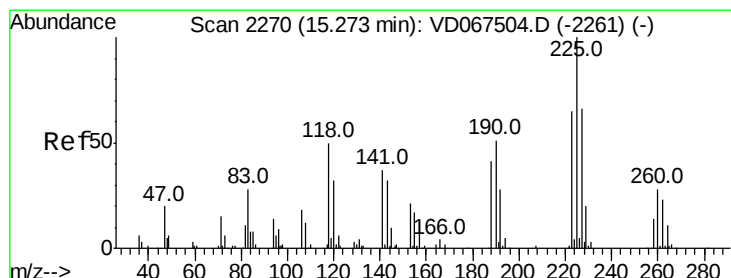
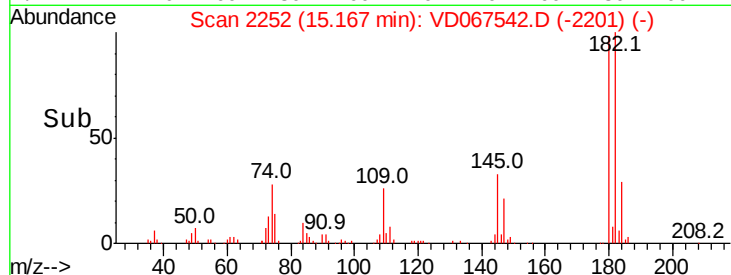
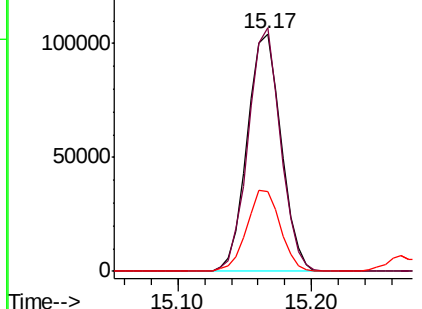
#93
 1,2,4-Trichlorobenzene
 Concen: 47.849 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.4	142.3
145	33.7	16.2	48.6

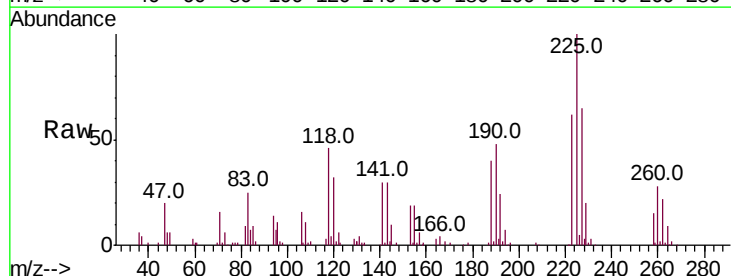


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

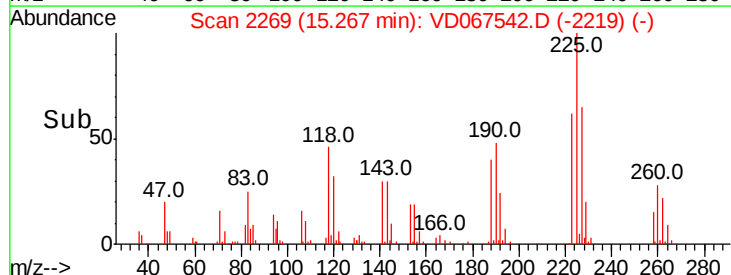
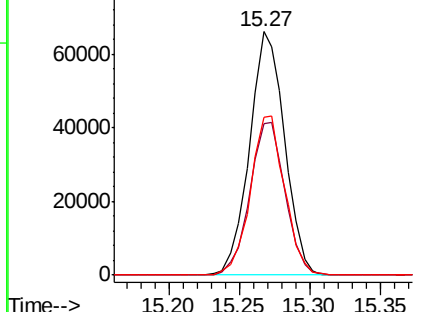


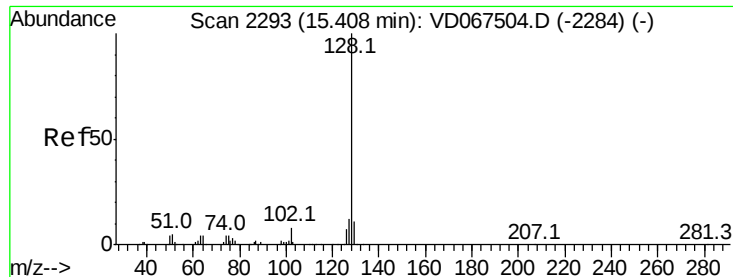
#94
 Hexachlorobutadiene
 Concen: 45.169 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067542.D
 Acq: 05 Nov 2020 17:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	63.7	32.5	97.4



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





#95

Naphthalene

Concen: 51.287 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

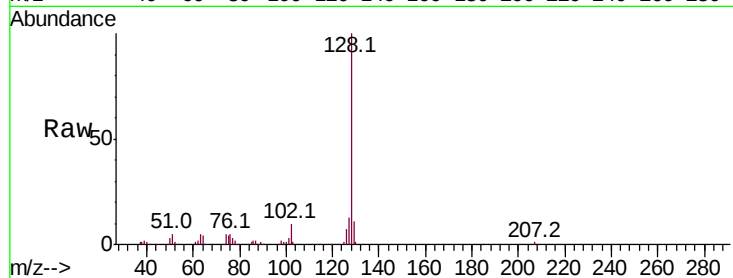
Tot Ion:128 Resp: 302004

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

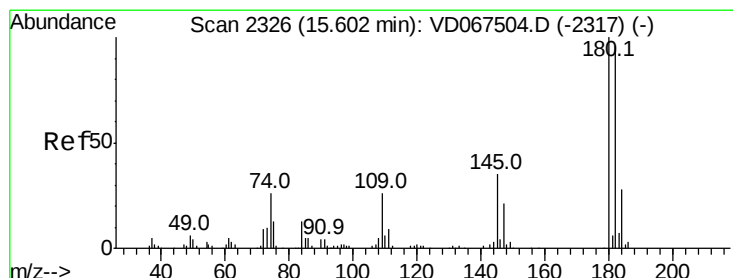
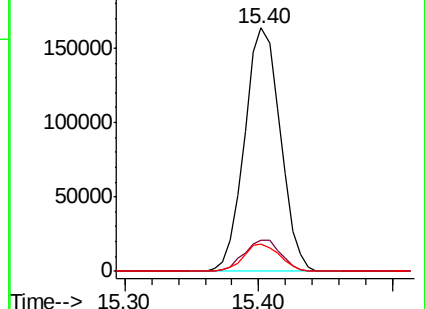
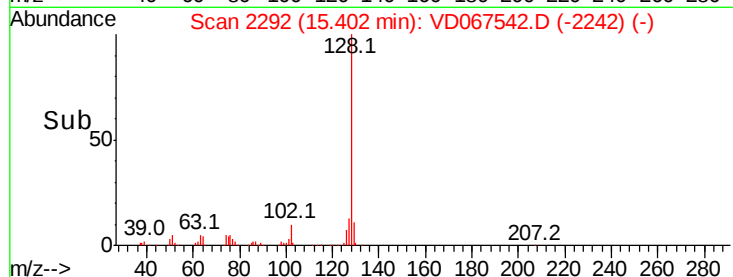
129 11.3 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.214 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067542.D

Acq: 05 Nov 2020 17:34

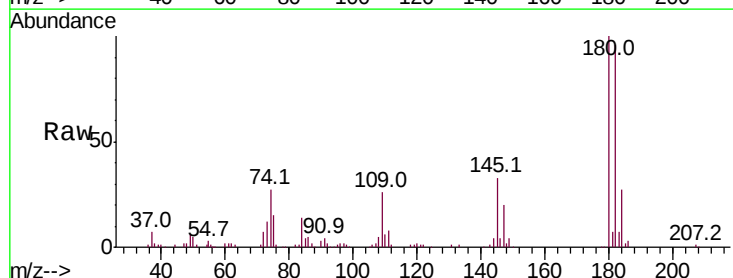
Tgt Ion:180 Resp: 160807

Ion Ratio Lower Upper

180 100

182 95.7 46.9 140.8

145 33.0 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

