

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110520\
 Data File : VD067536.D
 Acq On : 05 Nov 2020 11:25
 Operator : VA/SY
 Sample : VD1105SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBS01

Quant Time: Nov 06 00:14:59 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	312563	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	461345	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	209782	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	131375	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.92	113	135207	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
50) Toluene-d8	10.34	98	470014	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	12.64	95	168316	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62962	22.372	ug/l	97
3) Chloromethane	2.21	50	40270	20.690	ug/l	98
4) Vinyl Chloride	2.35	62	44366	20.445	ug/l	96
5) Bromomethane	2.76	94	34468	19.597	ug/l	94
6) Chloroethane	2.91	64	27442	20.512	ug/l	98
7) Trichlorofluoromethane	3.27	101	113899	20.271	ug/l	97
8) Diethyl Ether	3.71	74	23937	21.142	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	58765	20.720	ug/l	99
10) Methyl Iodide	4.30	142	55435	18.236	ug/l	98
11) Tert butyl alcohol	5.21	59	16888	134.019	ug/l	98
12) 1,1-Dichloroethene	4.07	96	53164	20.379	ug/l	96
13) Acrolein	3.92	56	6205	73.703	ug/l	98
14) Allyl chloride	4.71	41	56599	20.271	ug/l	96
15) Acrylonitrile	5.43	53	43852	104.780	ug/l	98
16) Acetone	4.16	43	38108	93.178	ug/l	99
17) Carbon Disulfide	4.41	76	161711	20.229	ug/l	95
18) Methyl Acetate	4.72	43	17877	21.153	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	107792	20.947	ug/l	93
20) Methylene Chloride	4.97	84	58130	20.121	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	61253	20.158	ug/l	95
22) Diisopropyl ether	6.37	45	114258	20.999	ug/l	93
23) Vinyl Acetate	6.31	43	294010	103.231	ug/l	100
24) 1,1-Dichloroethane	6.26	63	91428	20.540	ug/l	97
25) 2-Butanone	7.21	43	44051	100.802	ug/l	100
26) 2,2-Dichloropropane	7.21	77	96996	20.647	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	65474	20.760	ug/l	99
28) Bromochloromethane	7.55	49	31250	19.737	ug/l	98
29) Tetrahydrofuran	7.57	42	28463	108.733	ug/l	97
30) Chloroform	7.71	83	110762	20.858	ug/l	95
31) Cyclohexane	7.99	56	77260	19.491	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	111640	20.376	ug/l	99
36) 1,1-Dichloropropene	8.12	75	84166	21.313	ug/l	100
37) Ethyl Acetate	7.30	43	20020	19.527	ug/l	97
38) Carbon Tetrachloride	8.10	117	107893	21.028	ug/l	97

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Quant Time: Nov 06 00:14:59 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)
39) Methylcyclohexane	9.36	83	95279	20.499	ug/l	96
40) Benzene	8.36	78	223310	20.876	ug/l	98
41) Methacrylonitrile	7.53	41	12470	20.348	ug/l	97
42) 1,2-Dichloroethane	8.43	62	71901	21.755	ug/l	97
43) Isopropyl Acetate	8.46	43	42376	20.899	ug/l	97
44) Trichloroethene	9.11	130	71958	20.459	ug/l	100
45) 1,2-Dichloropropane	9.39	63	47686	20.619	ug/l	97
46) Dibromomethane	9.48	93	29766	20.242	ug/l	96
47) Bromodichloromethane	9.67	83	84316	21.095	ug/l	97
48) Methyl methacrylate	9.46	41	20145	19.242	ug/l #	84
49) 1,4-Dioxane	9.47	88	6558	439.300	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	104431	107.693	ug/l	100
52) Toluene	10.41	92	147820	20.631	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	70411	20.569	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	84328	20.734	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	42345	21.764	ug/l	97
56) Ethyl methacrylate	10.66	69	40289	20.052	ug/l	99
57) 1,3-Dichloropropane	10.95	76	65830	21.026	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	103345	110.297	ug/l	98
59) 2-Hexanone	10.99	43	71149	104.936	ug/l	100
60) Dibromochloromethane	11.14	129	61607	21.405	ug/l	99
61) 1,2-Dibromoethane	11.25	107	40959	20.975	ug/l	99
64) Tetrachloroethene	10.88	164	64359	20.820	ug/l	97
65) Chlorobenzene	11.67	112	163868	20.381	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	66563	21.005	ug/l	98
67) Ethyl Benzene	11.75	91	285744	20.768	ug/l	98
68) m/p-Xylenes	11.86	106	229847	42.940	ug/l	97
69) o-Xylene	12.18	106	103333	21.622	ug/l	96
70) Styrene	12.20	104	179764	21.587	ug/l	99
71) Bromoform	12.36	173	34717	21.481	ug/l #	98
73) Isopropylbenzene	12.48	105	288848	21.305	ug/l	100
74) N-amyl acetate	12.29	43	36735	20.591	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	39674	21.460	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	55732	44.039	ug/l #	100
77) Bromobenzene	12.77	156	67907	20.395	ug/l	97
78) n-propylbenzene	12.83	91	326678	21.065	ug/l	99
79) 2-Chlorotoluene	12.91	91	186288	21.147	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	245852	21.228	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12576	20.176	ug/l	95
82) 4-Chlorotoluene	13.01	91	205240	21.723	ug/l	98
83) tert-Butylbenzene	13.23	119	212590	21.658	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	244121	21.175	ug/l	98
85) sec-Butylbenzene	13.40	105	284537	21.473	ug/l	99
86) p-Isopropyltoluene	13.52	119	267096	20.874	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	137990	21.719	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	134176	20.857	ug/l	98
89) n-Butylbenzene	13.85	91	231848	20.977	ug/l	99
90) Hexachloroethane	14.11	117	52141	21.638	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	116784	21.239	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7795	23.814	ug/l	95

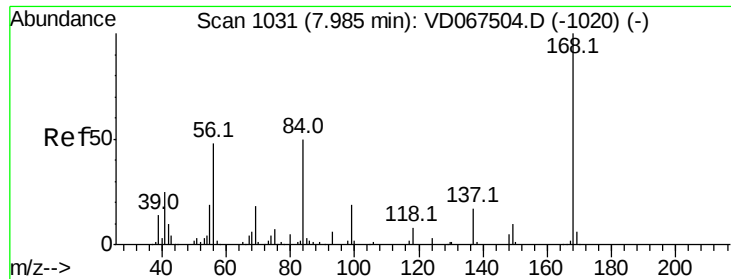
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110520\
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Quant Time: Nov 06 00:14:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78588	21.058	ug/l	100
94) Hexachlorobutadiene	15.27	225	47748	19.116	ug/l	97
95) Naphthalene	15.40	128	120572	20.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67250	21.043	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

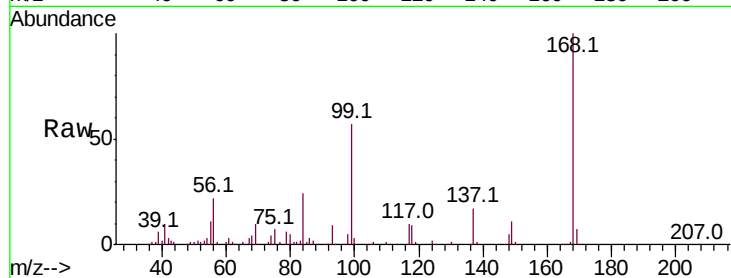
VD1105SBSD01

Tot Ion:168 Resp: 312563

Ion Ratio Lower Upper

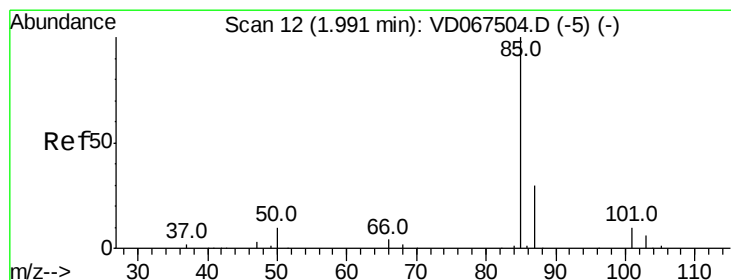
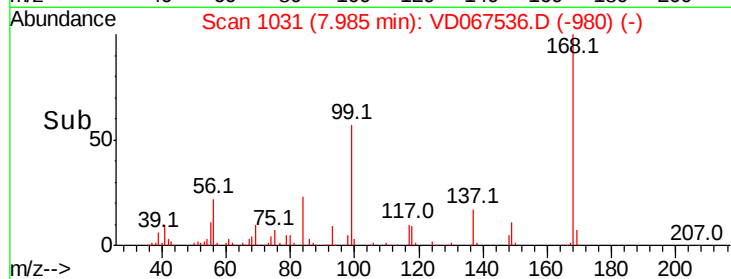
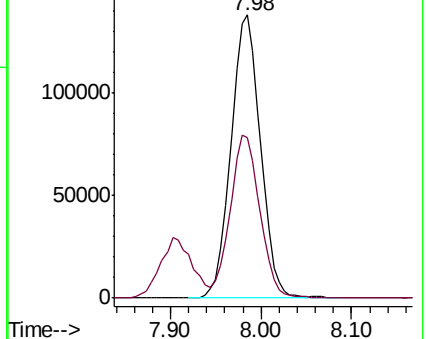
168 100

99 56.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.372 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067536.D

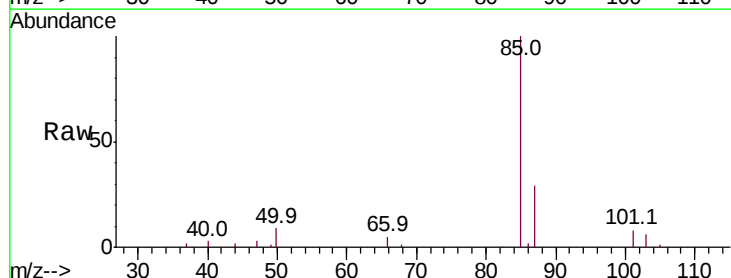
Acq: 05 Nov 2020 11:25

Tgt Ion: 85 Resp: 62962

Ion Ratio Lower Upper

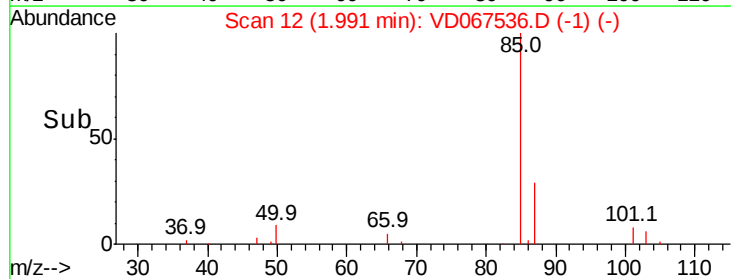
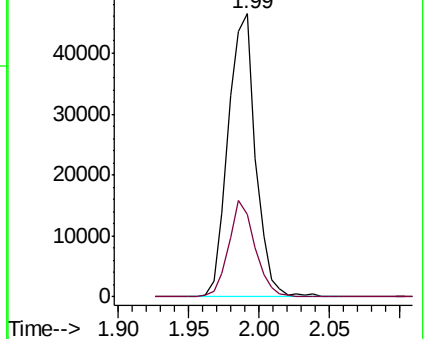
85 100

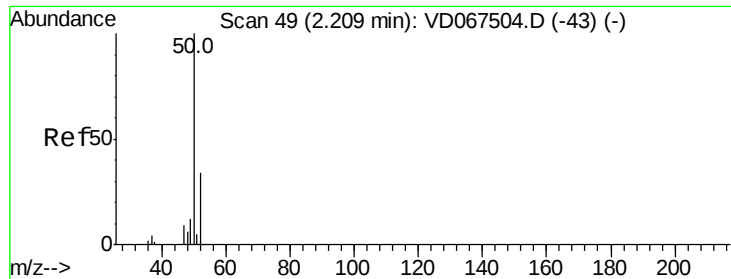
87 29.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.690 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

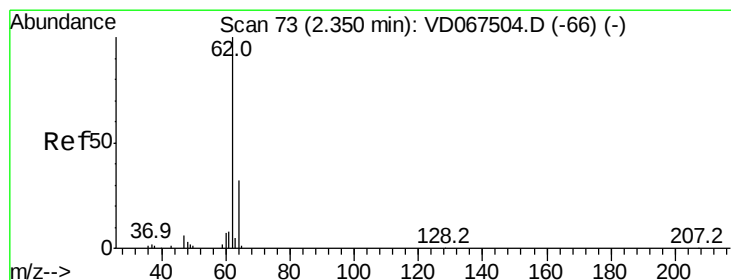
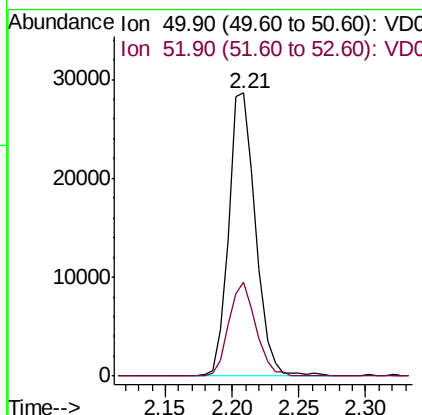
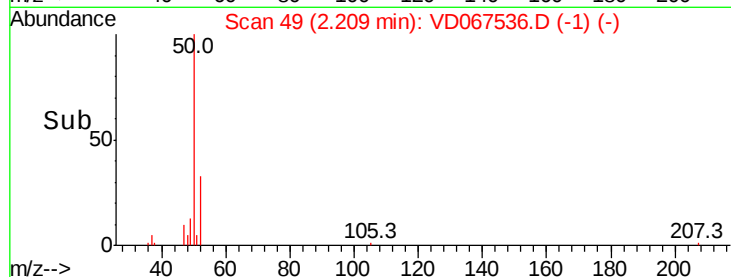
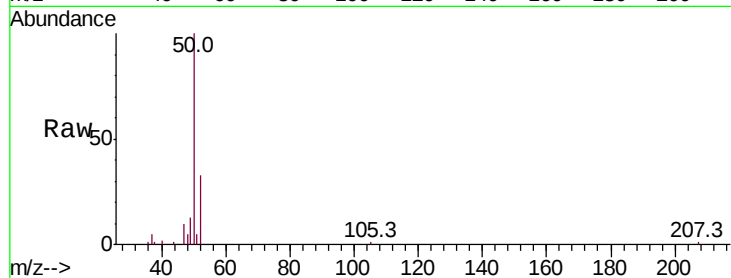
VD1105SBSD01

Tot Ion: 50 Resp: 40270

Ion Ratio Lower Upper

50 100

52 33.2 27.3 40.9



#4

Vinyl Chloride

Concen: 20.445 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067536.D

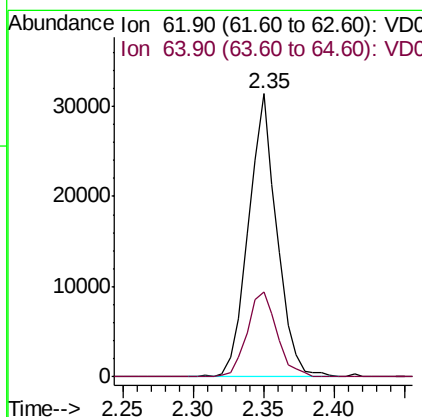
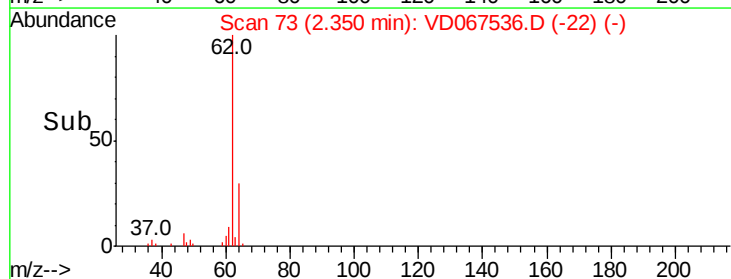
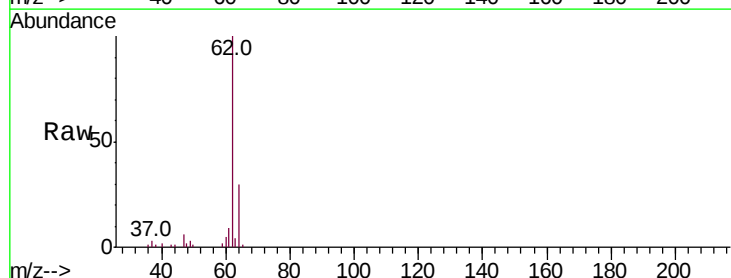
Acq: 05 Nov 2020 11:25

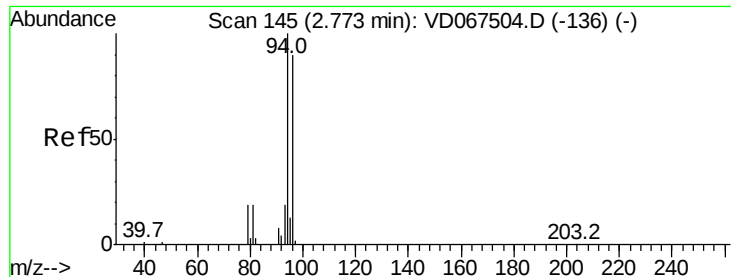
Tgt Ion: 62 Resp: 44366

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4





#5

Bromomethane

Concen: 19.597 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

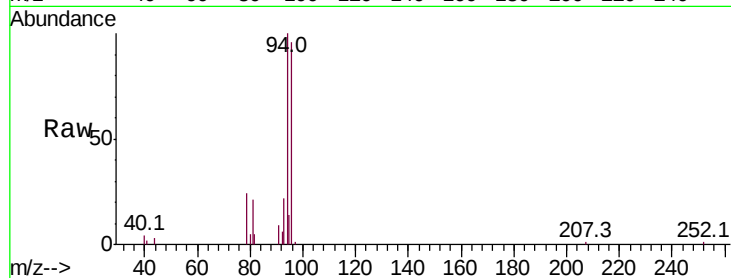
VD1105SBSD01

Tot Ion: 94 Resp: 34468

Ion Ratio Lower Upper

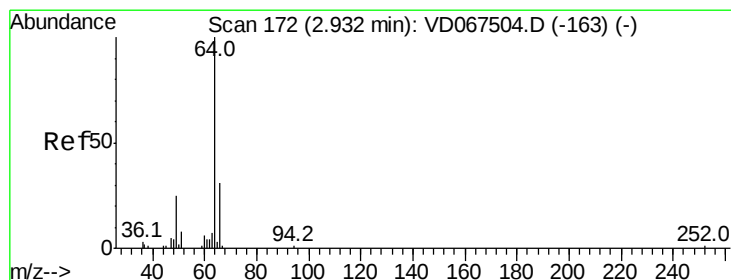
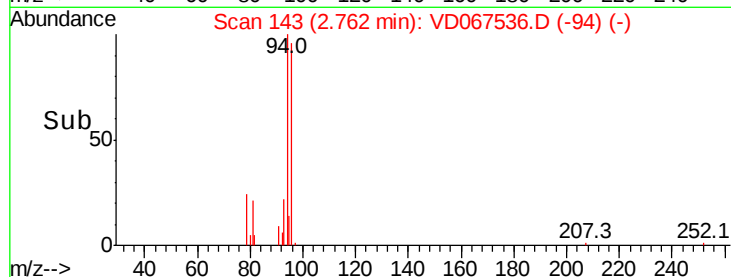
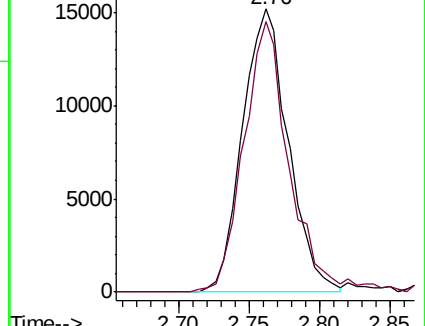
94 100

96 95.7 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.512 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067536.D

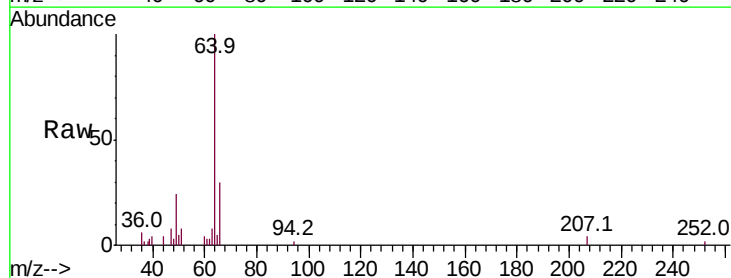
Acq: 05 Nov 2020 11:25

Tgt Ion: 64 Resp: 27442

Ion Ratio Lower Upper

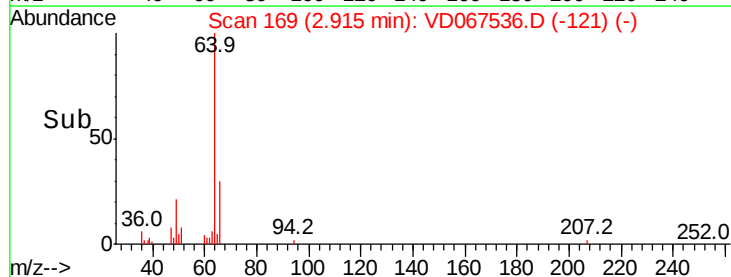
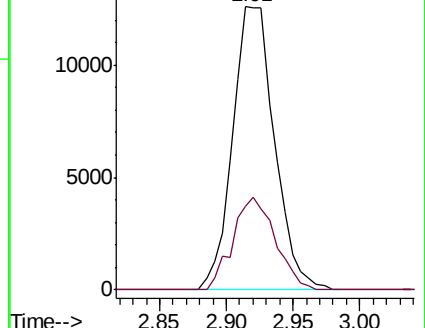
64 100

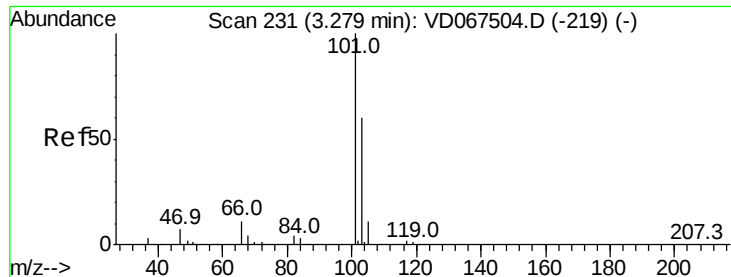
66 29.5 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



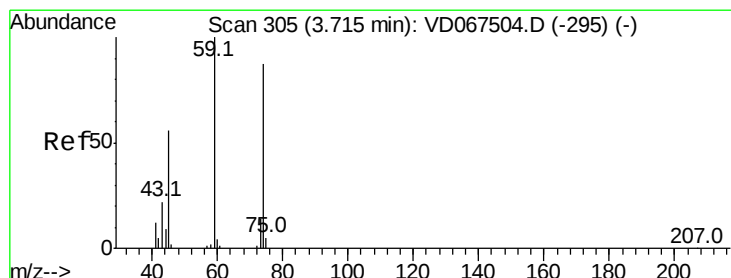
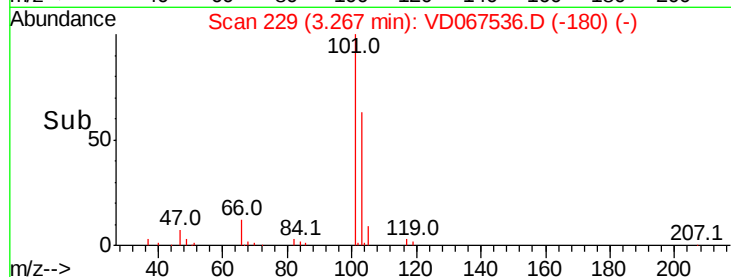
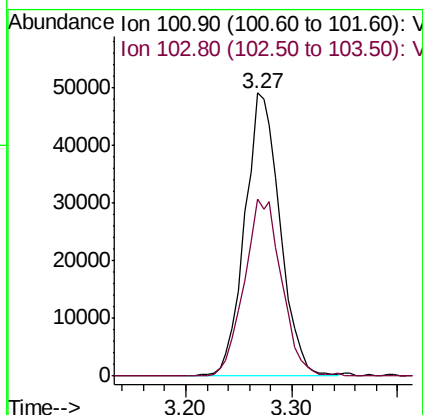
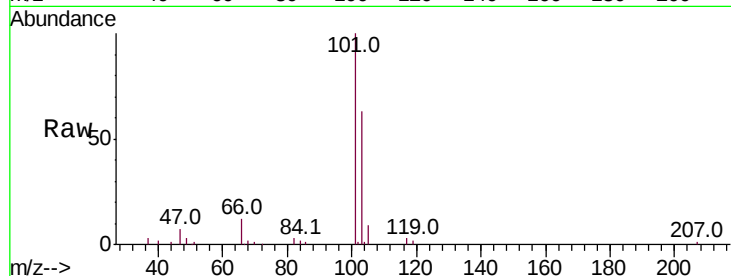


#7

Trichlorofluoromethane
Concen: 20.271 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
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VD1105SBSD01

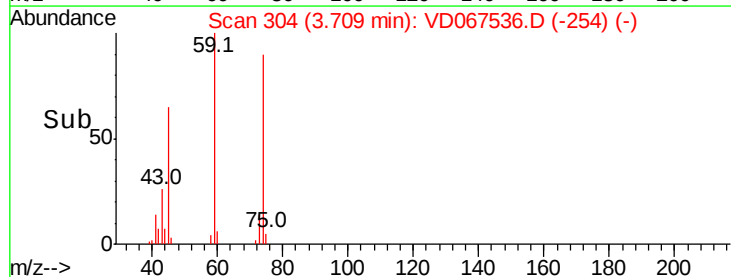
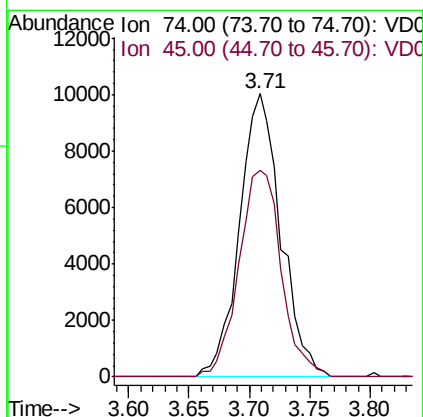
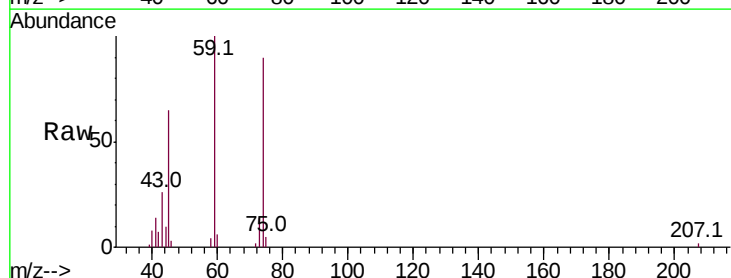
Tot Ion:101 Resp: 113899
Ion Ratio Lower Upper
101 100
103 62.7 48.1 72.1

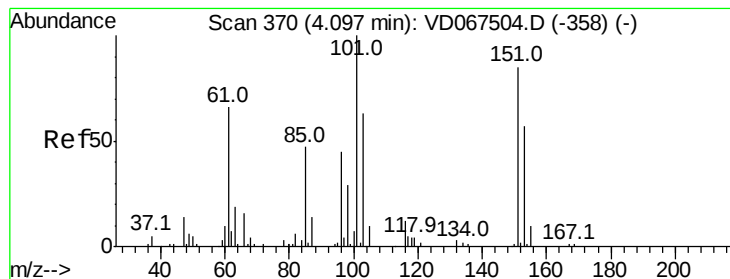


#8

Diethyl Ether
Concen: 21.142 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 74 Resp: 23937
Ion Ratio Lower Upper
74 100
45 74.7 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.720 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

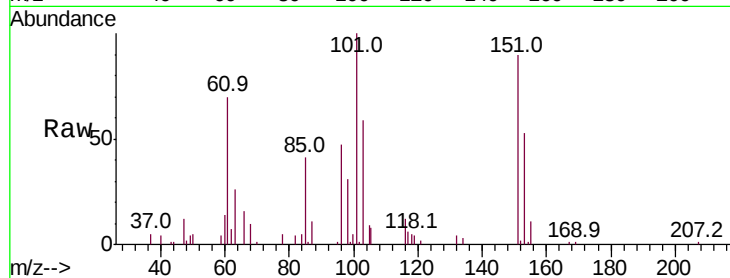
Tot Ion:101 Resp: 58765

Ion Ratio Lower Upper

101 100

85 43.9 34.4 51.6

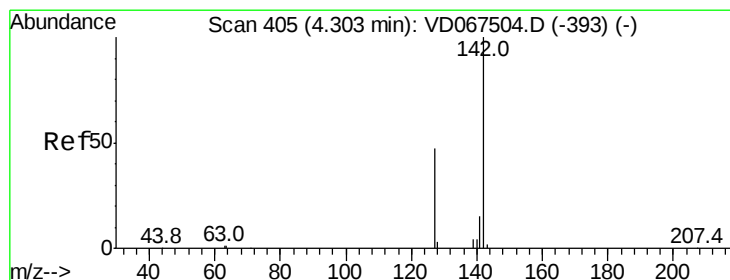
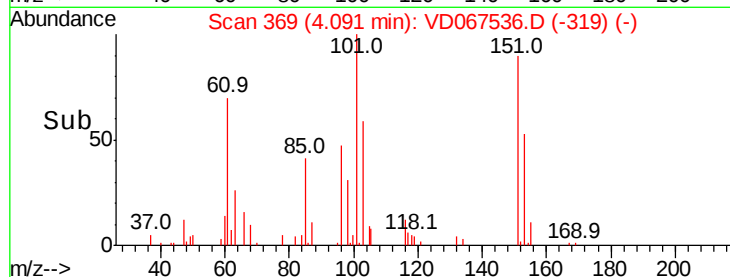
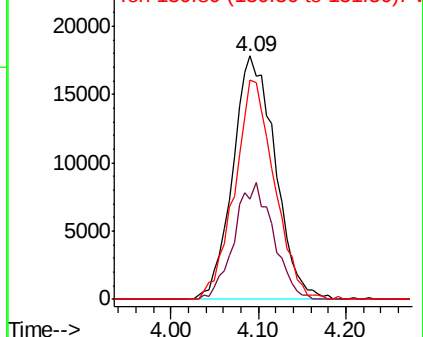
151 84.2 68.1 102.1



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: 18.236 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

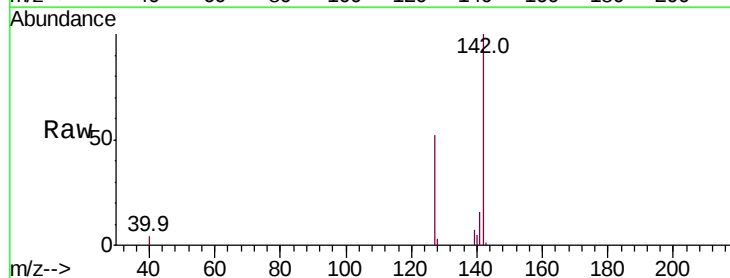
Tgt Ion:142 Resp: 55435

Ion Ratio Lower Upper

142 100

127 51.6 40.0 60.0

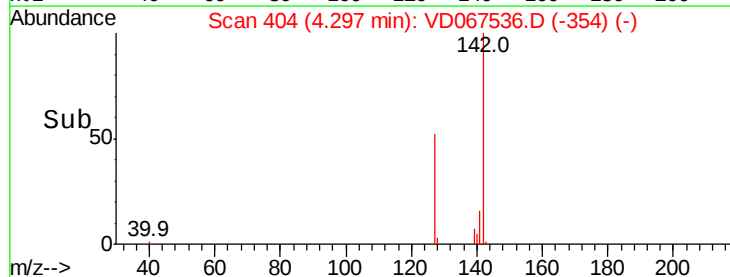
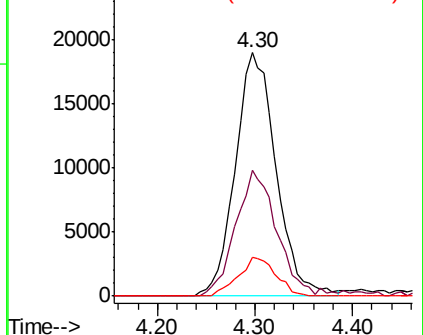
141 14.7 11.7 17.5

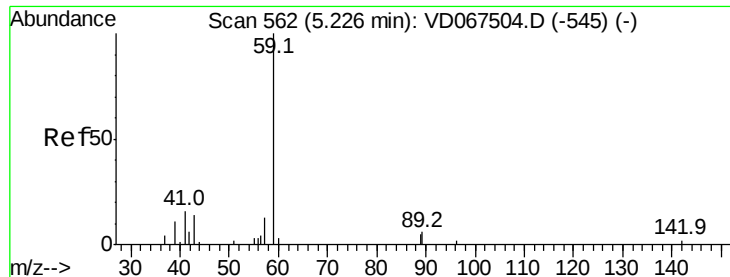


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

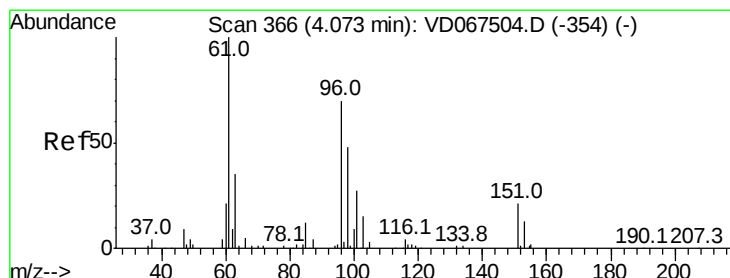
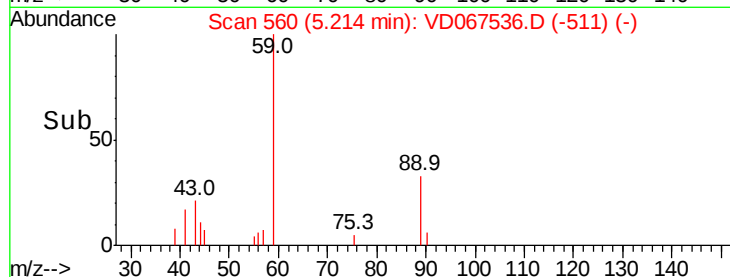
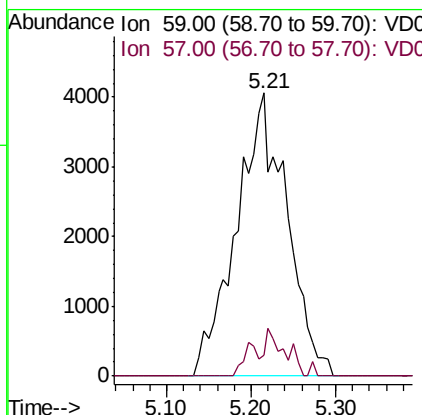
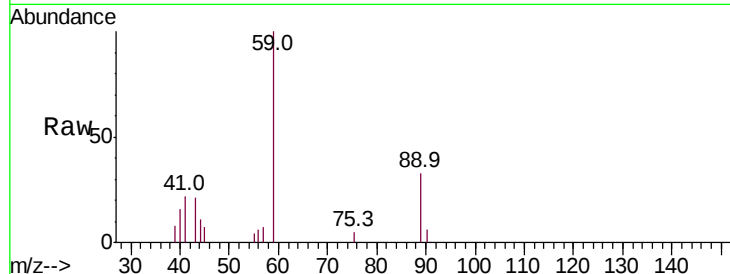




#11
Tert butyl alcohol
Concen: 134.019 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

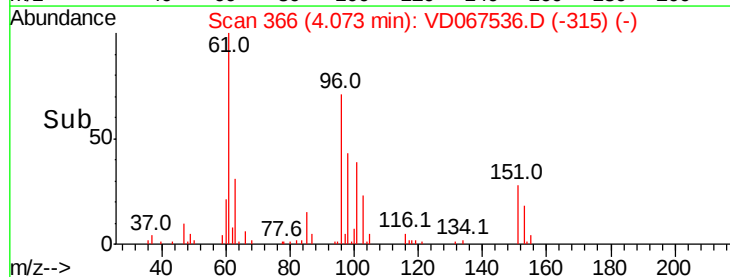
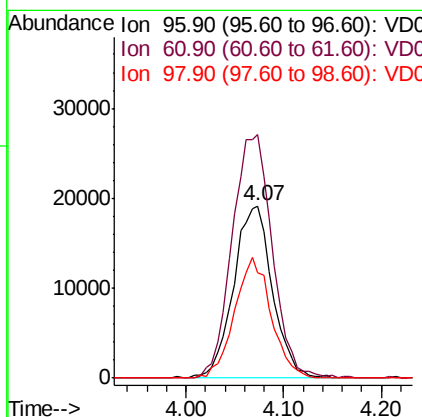
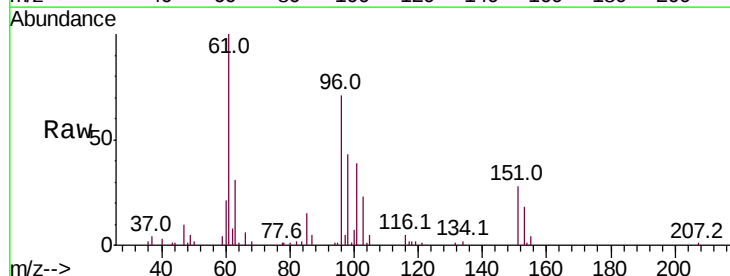
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

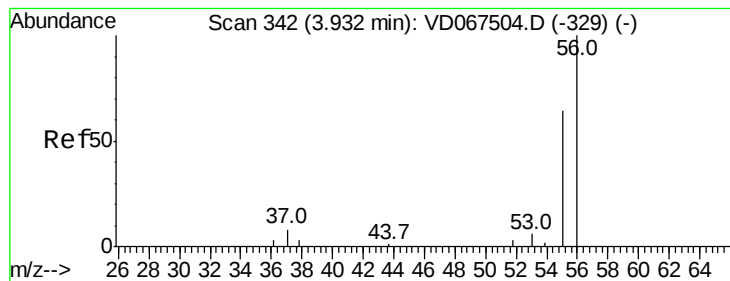
Tot Ion: 59 Resp: 16888
Ion Ratio Lower Upper
59 100
57 6.5 5.9 8.9



#12
1,1-Dichloroethene
Concen: 20.379 ug/l
RT: 4.07 min Scan# 366
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 96 Resp: 53164
Ion Ratio Lower Upper
96 100
61 141.5 114.5 171.7
98 61.4 54.5 81.7





#13

Acrolein

Concen: 73.703 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

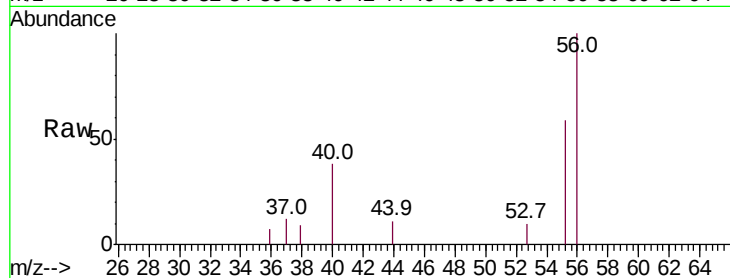
VD1105SBSD01

Tot Ion: 56 Resp: 6205

Ion Ratio Lower Upper

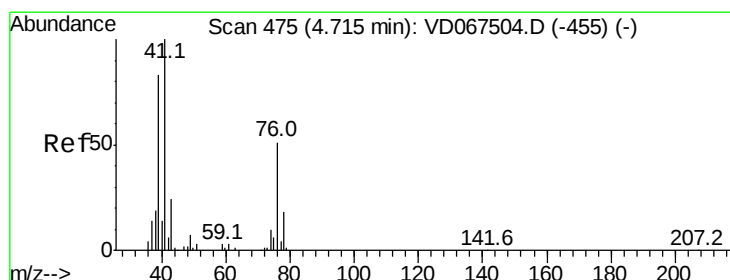
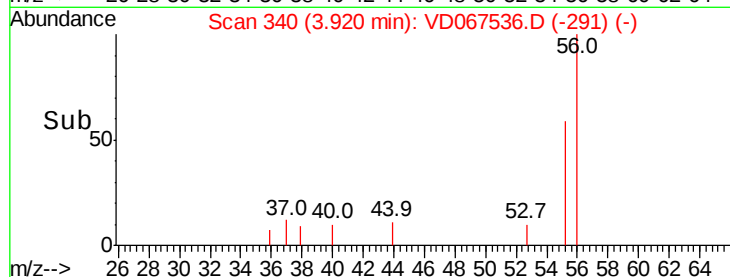
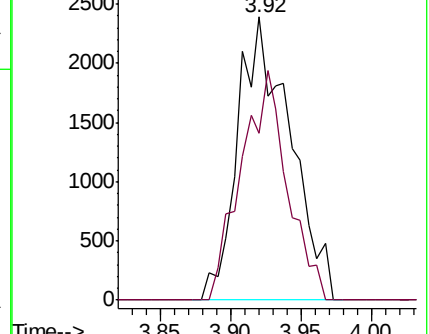
56 100

55 71.4 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.271 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

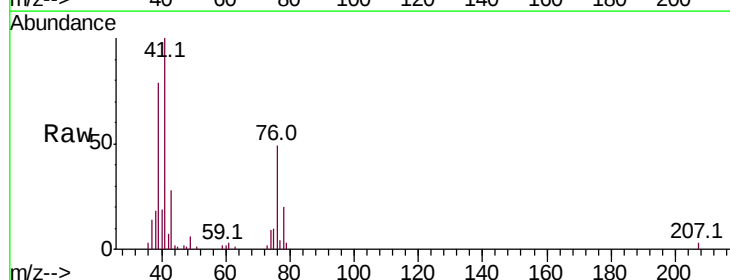
Tgt Ion: 41 Resp: 56599

Ion Ratio Lower Upper

41 100

39 80.3 67.4 101.0

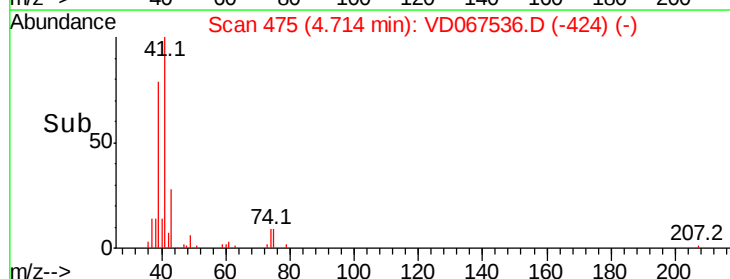
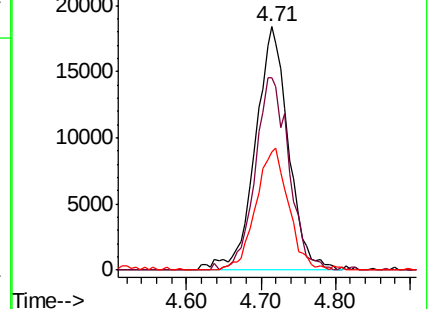
76 49.5 42.2 63.2

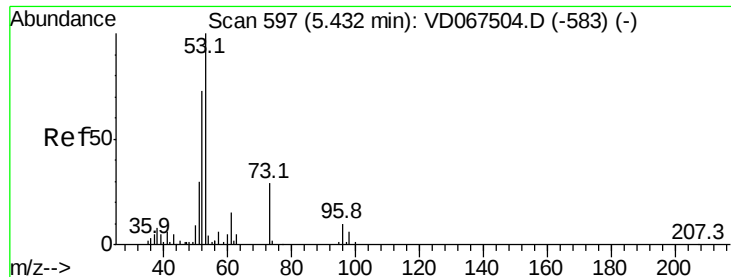


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.780 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

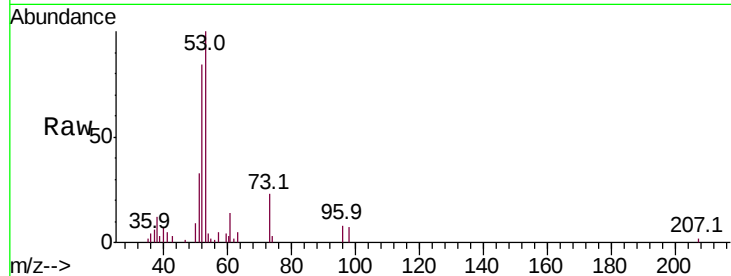
Tot Ion: 53 Resp: 43852

Ion Ratio Lower Upper

53 100

52 79.0 64.8 97.2

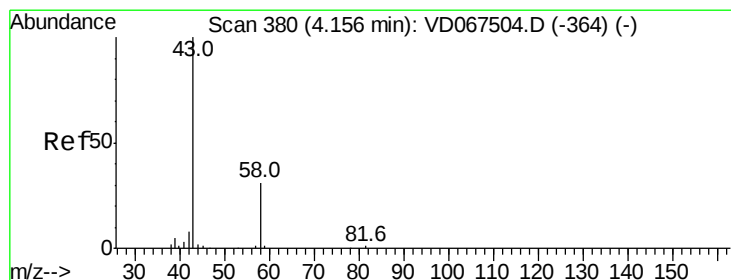
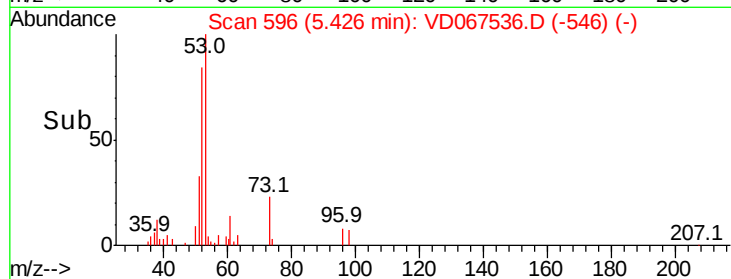
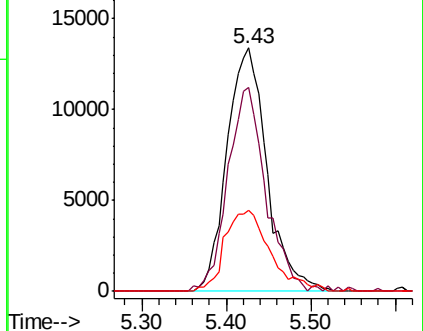
51 37.8 29.5 44.3



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: 93.178 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067536.D

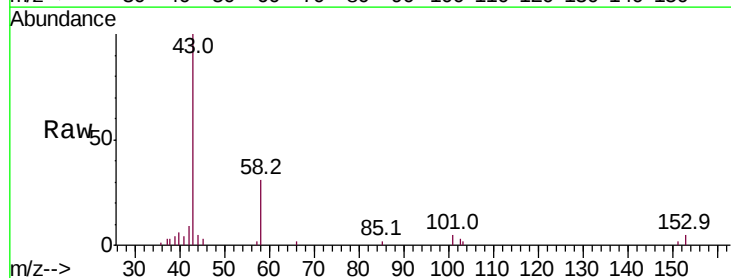
Acq: 05 Nov 2020 11:25

Tgt Ion: 43 Resp: 38108

Ion Ratio Lower Upper

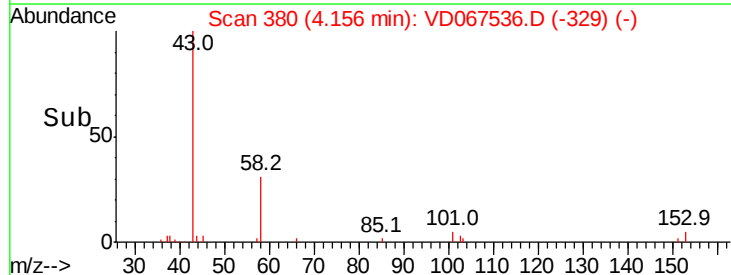
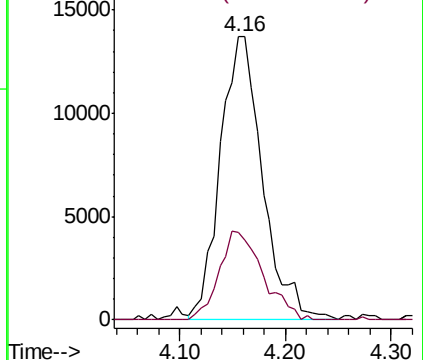
43 100

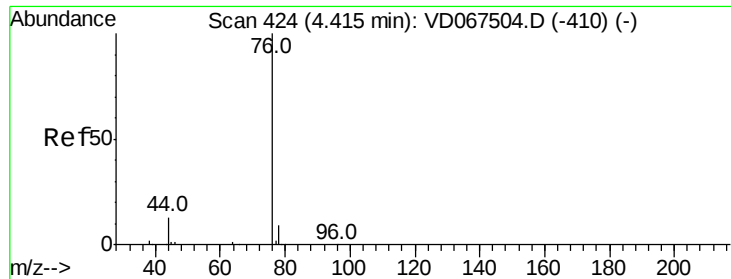
58 30.8 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 20.229 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

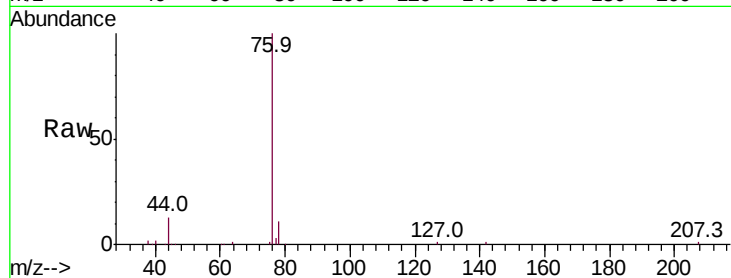
VD1105SBSD01

Tot Ion: 76 Resp: 161711

Ion Ratio Lower Upper

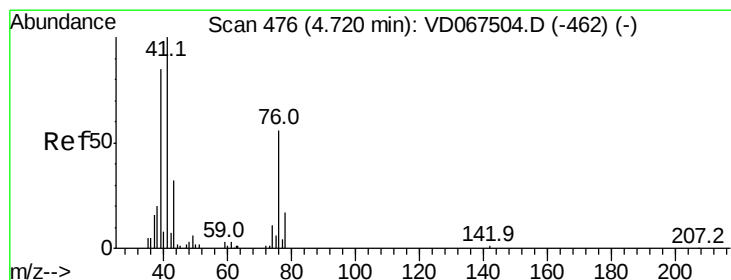
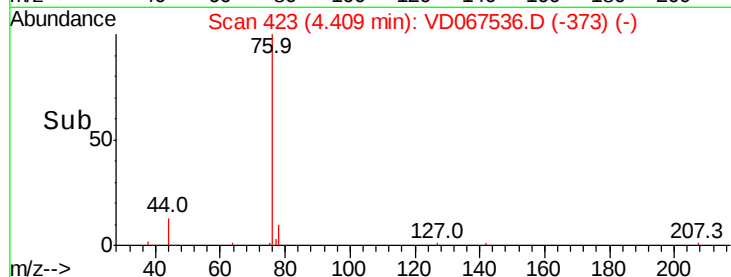
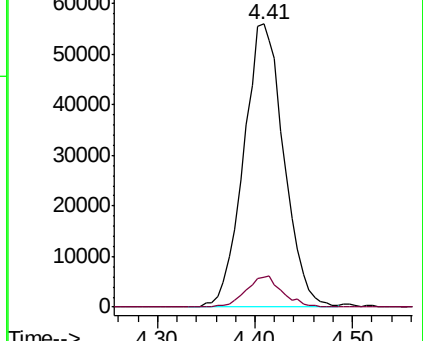
76 100

78 10.7 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.153 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD067536.D

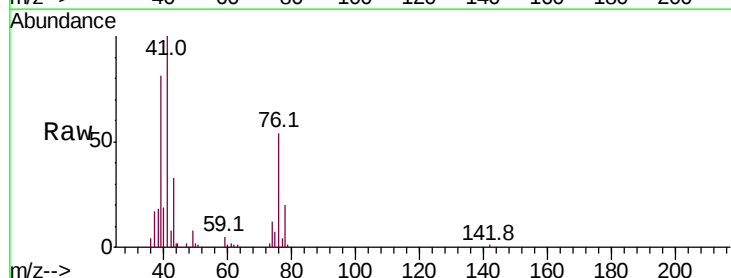
Acq: 05 Nov 2020 11:25

Tgt Ion: 43 Resp: 17877

Ion Ratio Lower Upper

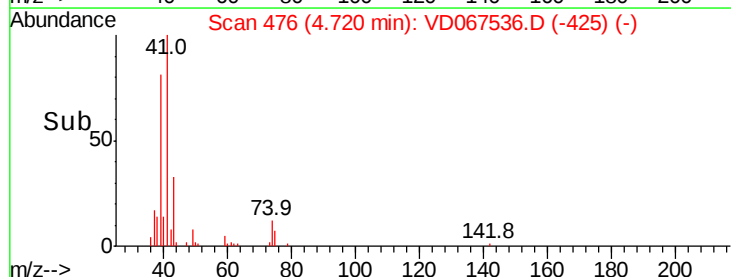
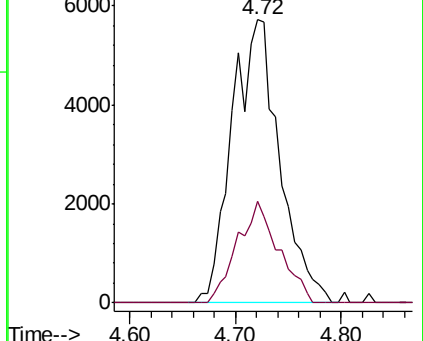
43 100

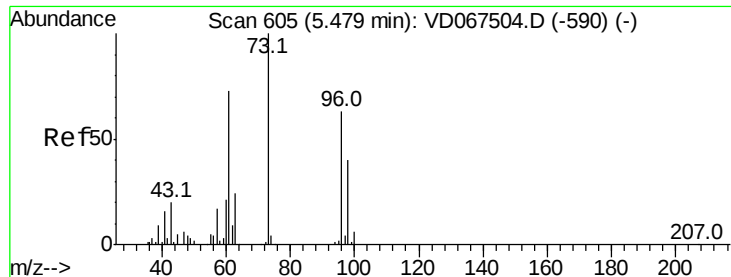
74 31.2 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



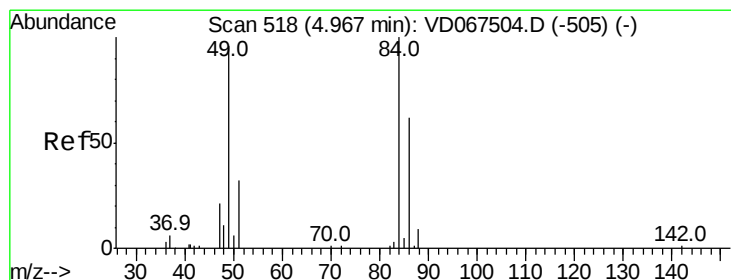
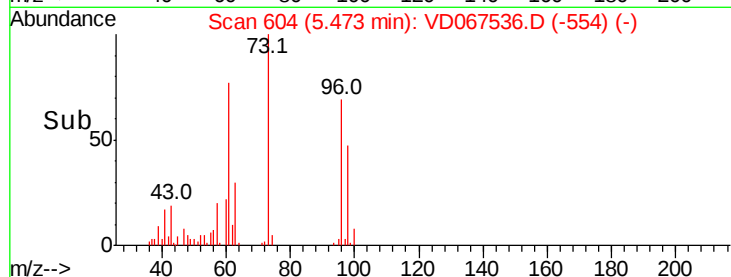
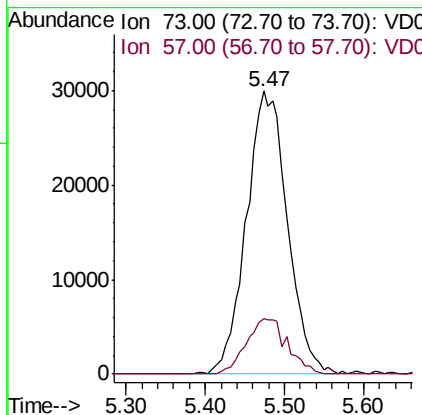
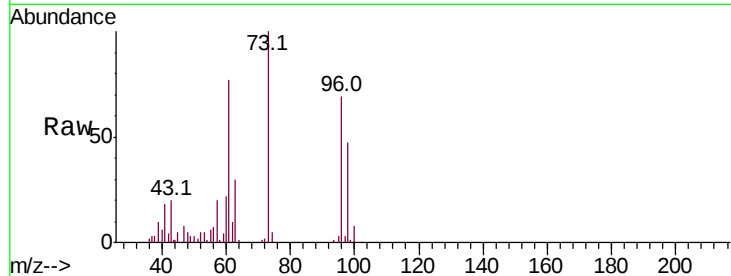


#19

Methyl tert-butyl Ether
 Concen: 20.947 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBS01

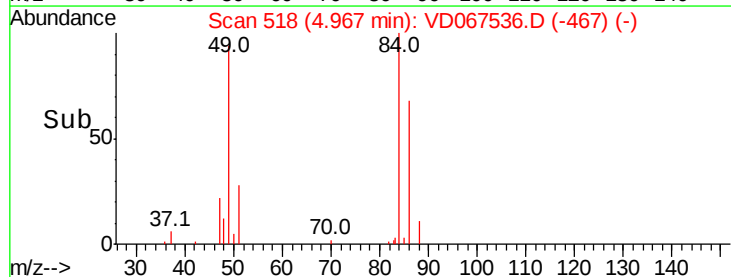
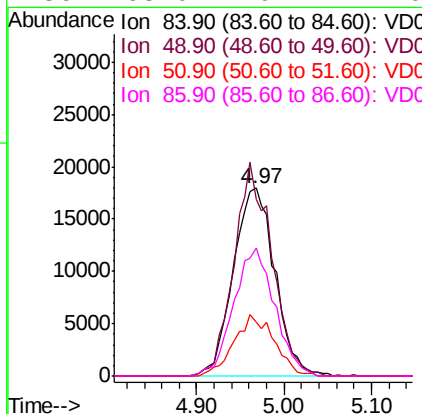
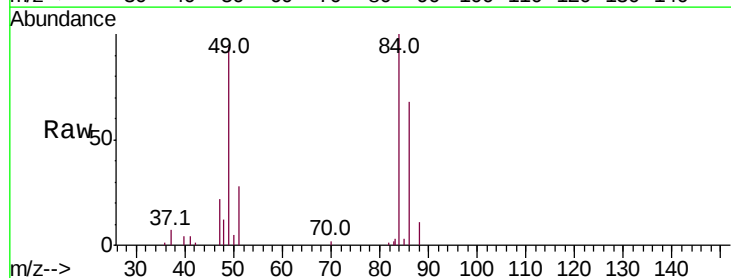
Tot Ion: 73 Resp: 107792
 Ion Ratio Lower Upper
 73 100
 57 19.8 13.4 20.0

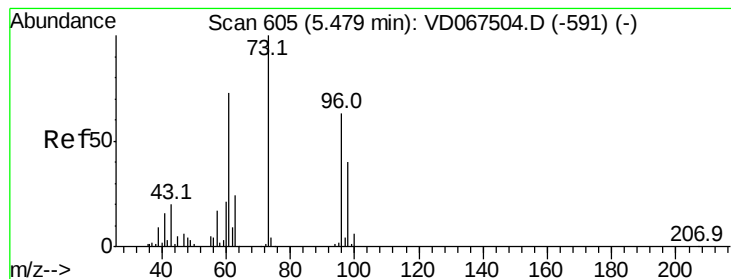


#20

Methylene Chloride
 Concen: 20.121 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Tgt Ion: 84 Resp: 58130
 Ion Ratio Lower Upper
 84 100
 49 94.3 77.0 115.4
 51 28.4 25.4 38.2
 86 68.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.158 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

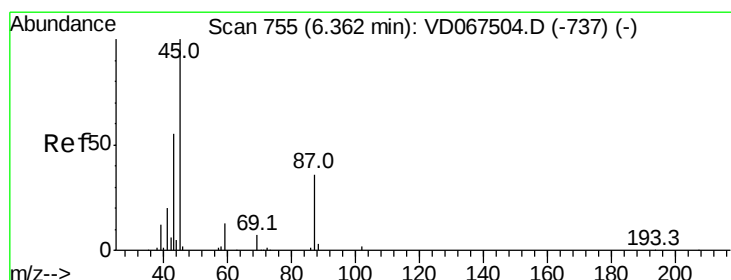
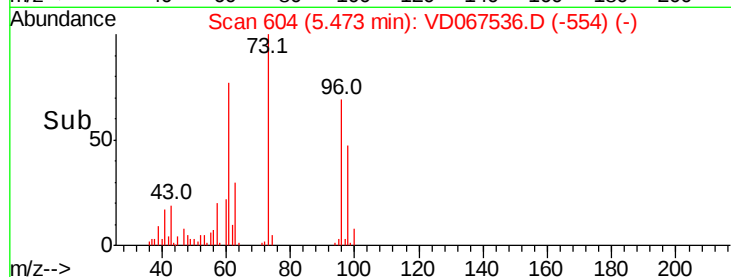
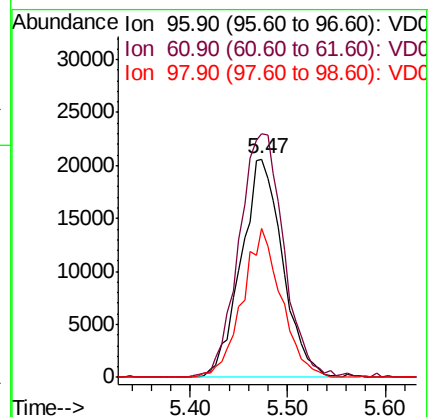
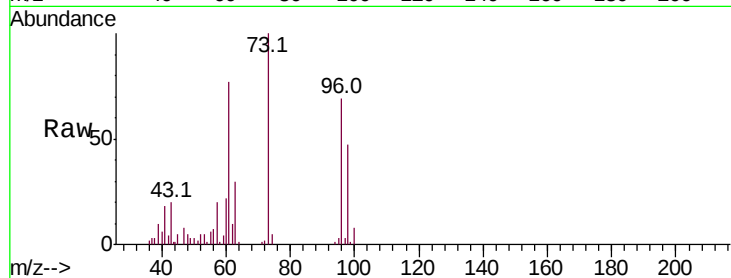
Tot Ion: 96 Resp: 61253

Ion Ratio Lower Upper

96 100

61 110.7 93.0 139.6

98 68.0 50.9 76.3



#22

Diisopropyl ether

Concen: 20.999 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Tgt Ion: 45 Resp: 114258

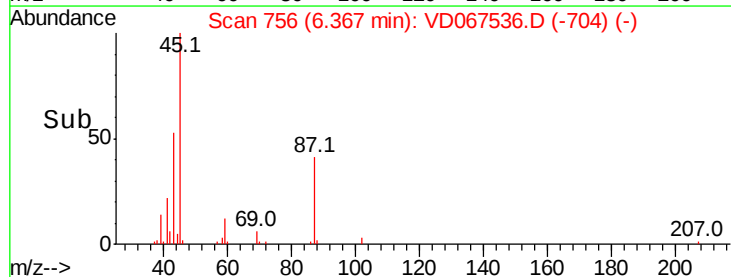
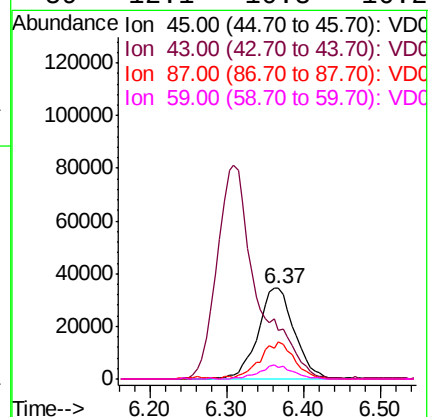
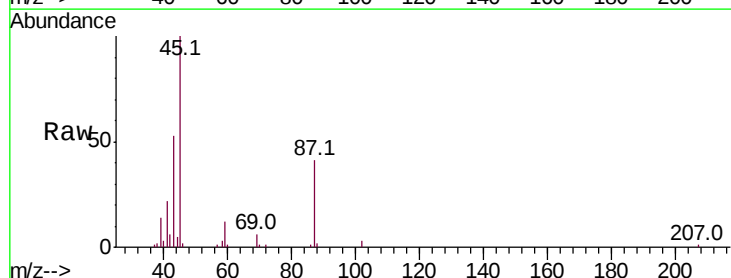
Ion Ratio Lower Upper

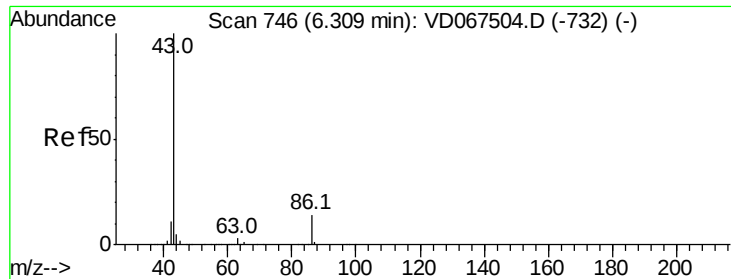
45 100

43 51.8 46.2 69.4

87 41.0 29.4 44.2

59 12.1 10.8 16.2





#23

Vinyl Acetate

Concen: 103.231 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

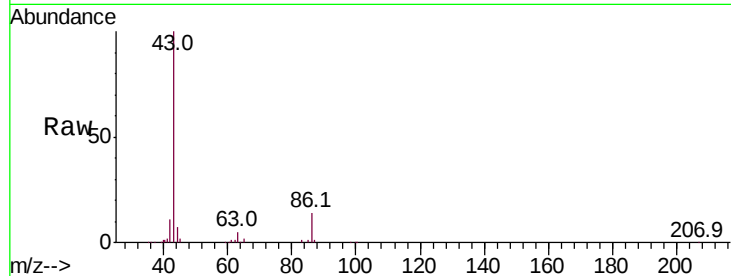
VD1105SBS01

Tot Ion: 43 Resp: 294010

Ion Ratio Lower Upper

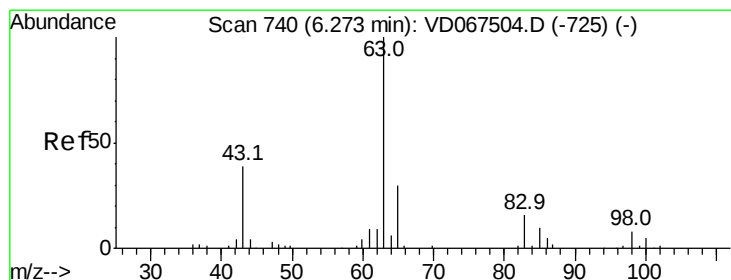
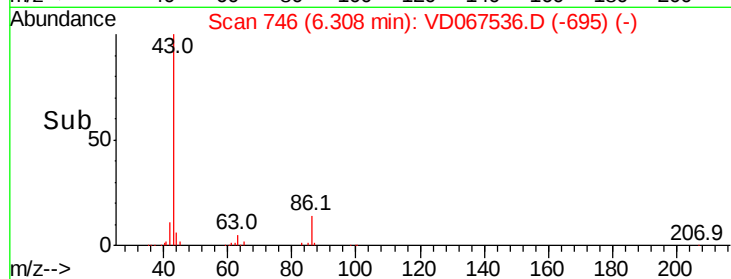
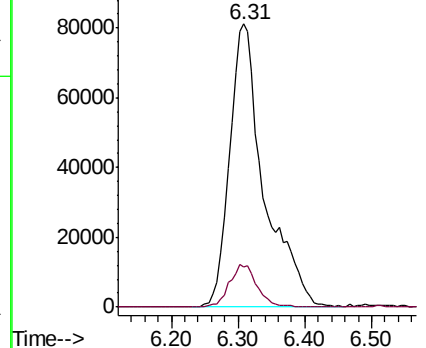
43 100

86 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.540 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

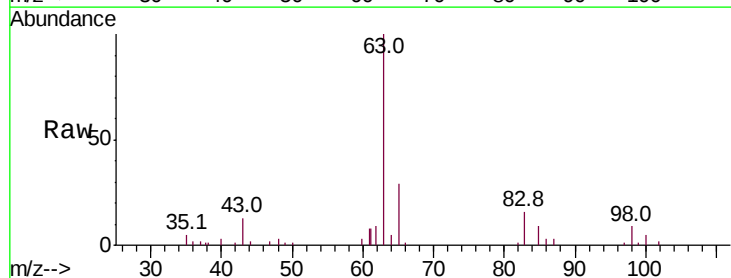
Tgt Ion: 63 Resp: 91428

Ion Ratio Lower Upper

63 100

98 9.3 3.9 11.5

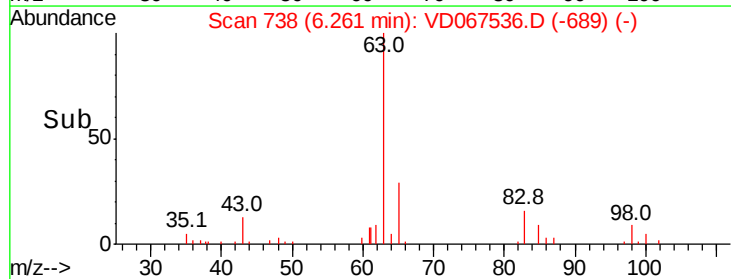
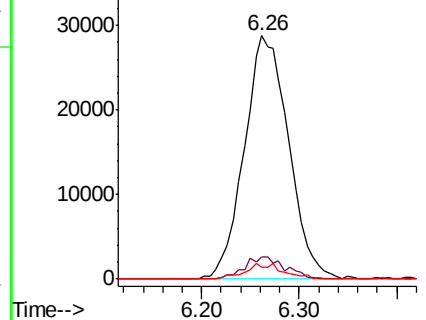
100 4.9 2.6 7.8

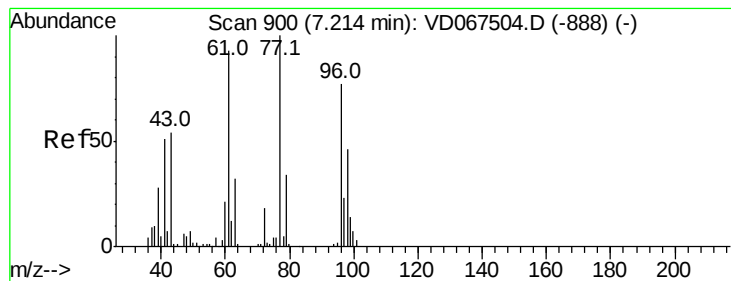


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.802 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

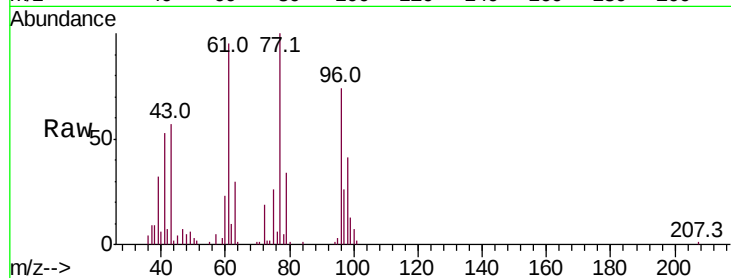
VD1105SBSD01

Tot Ion: 43 Resp: 44051

Ion Ratio Lower Upper

43 100

72 33.2 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

20000

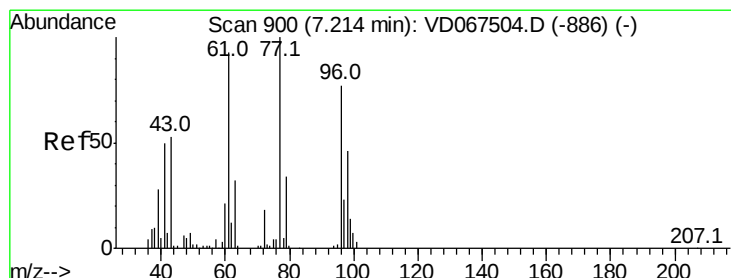
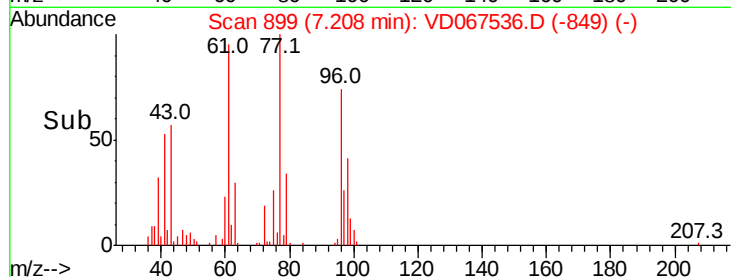
15000

10000

5000

0

Time--> 7.15 7.20 7.25



#26

2,2-Dichloropropane

Concen: 20.647 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067536.D

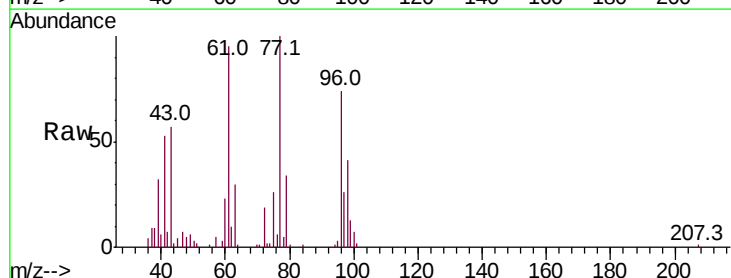
Acq: 05 Nov 2020 11:25

Tgt Ion: 77 Resp: 96996

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

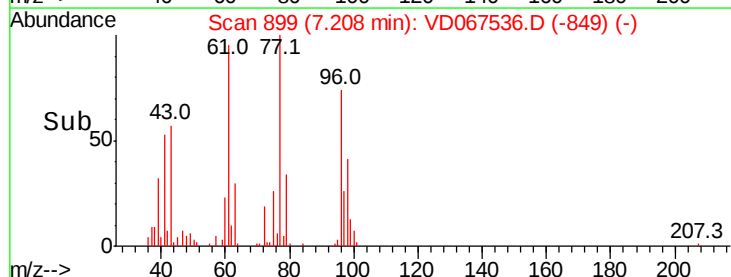
30000

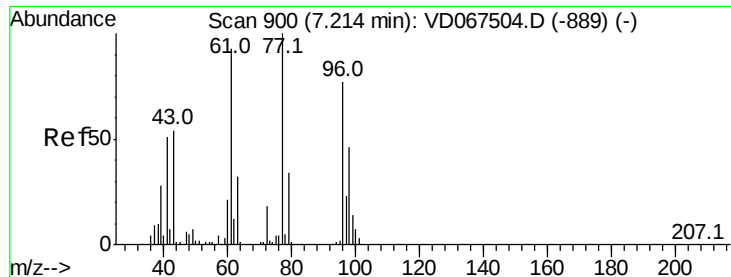
20000

10000

0

Time--> 7.10 7.20 7.30



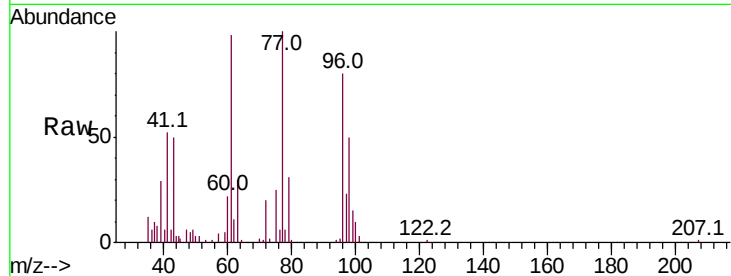


#27

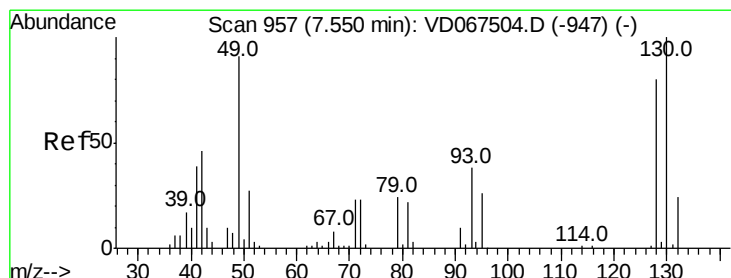
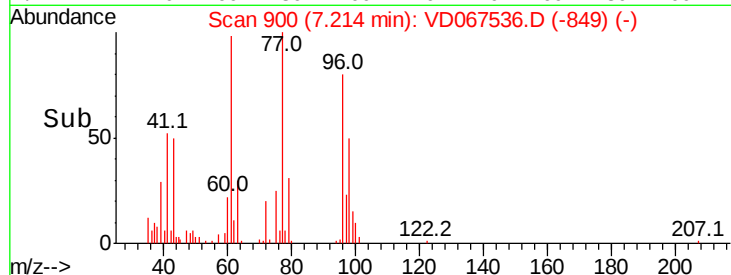
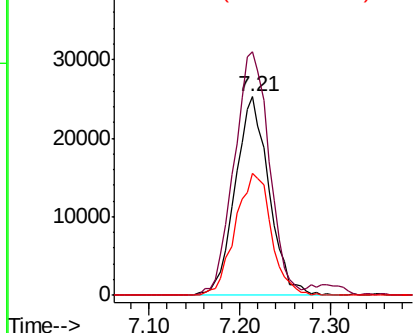
cis-1,2-Dichloroethene
Concen: 20.760 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion: 96 Resp: 65474
Ion Ratio Lower Upper
96 100
61 127.5 0.0 251.6
98 64.8 0.0 128.0



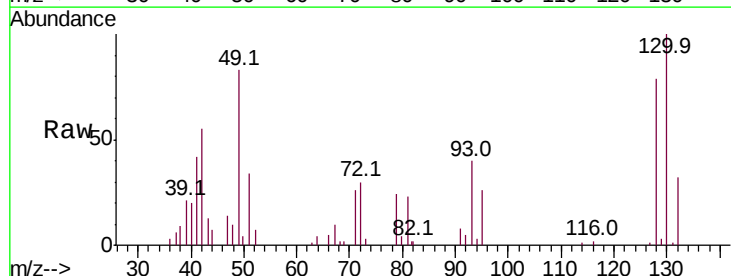
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



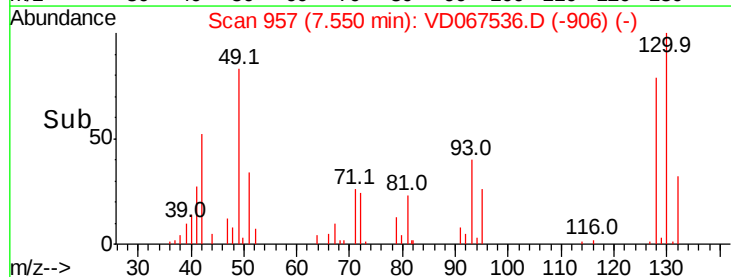
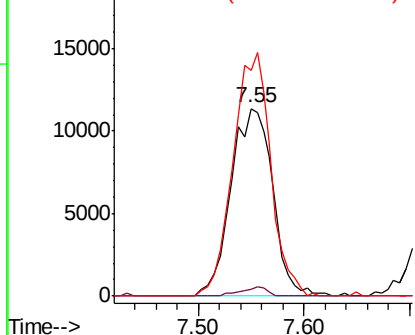
#28

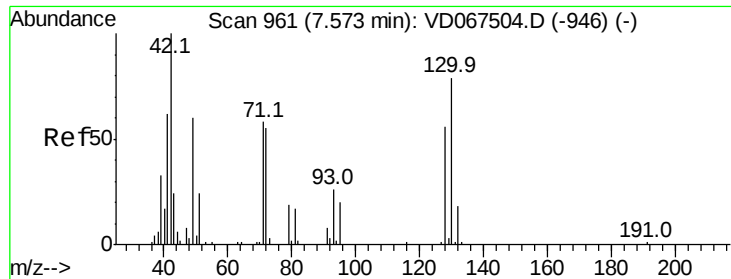
Bromochloromethane
Concen: 19.737 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 49 Resp: 31250
Ion Ratio Lower Upper
49 100
129 3.0 0.0 6.4
130 116.6 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

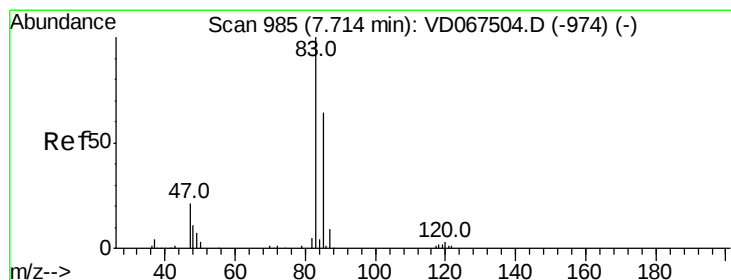
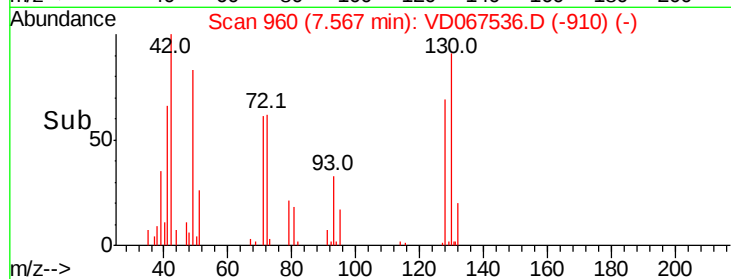
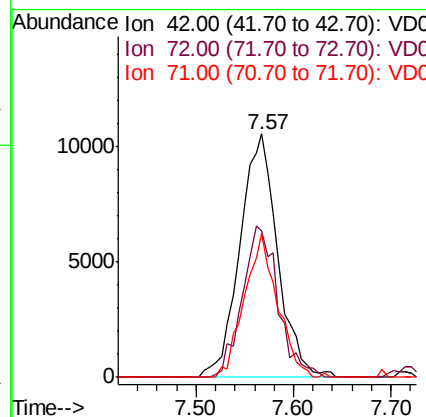
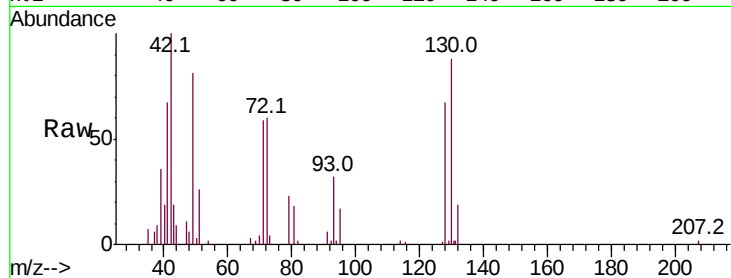




#29
Tetrahydrofuran
Concen: 108.733 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

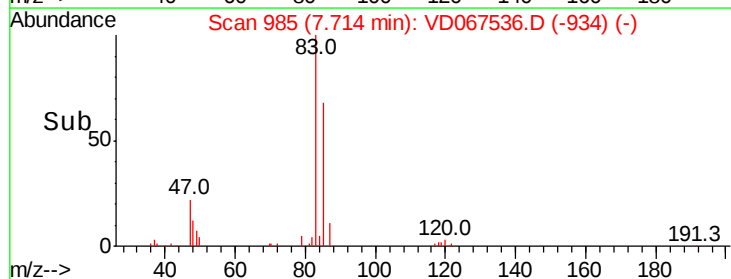
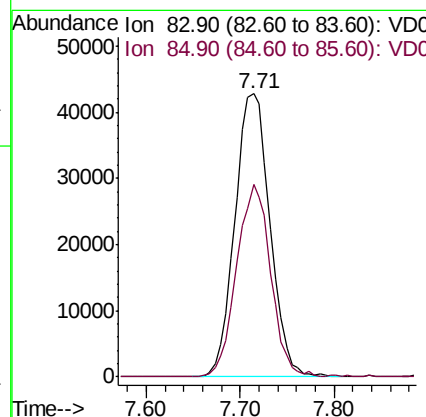
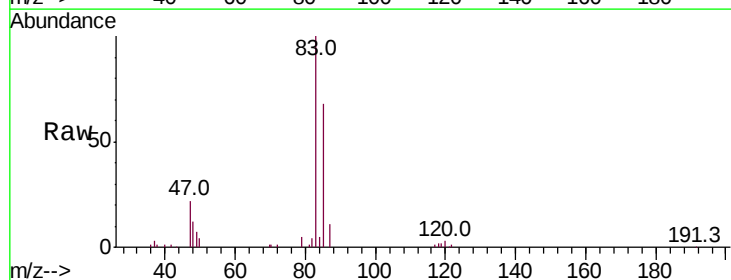
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBS01

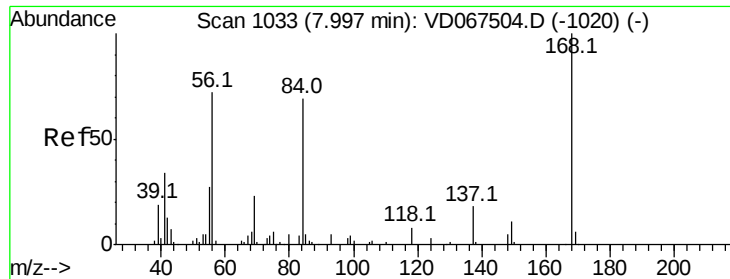
Tot Ion: 42 Resp: 28463
Ion Ratio Lower Upper
42 100
72 58.7 46.3 69.5
71 51.8 44.0 66.0



#30
Chloroform
Concen: 20.858 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 83 Resp: 110762
Ion Ratio Lower Upper
83 100
85 68.2 51.5 77.3





#31

Cyclohexane

Concen: 19.491 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

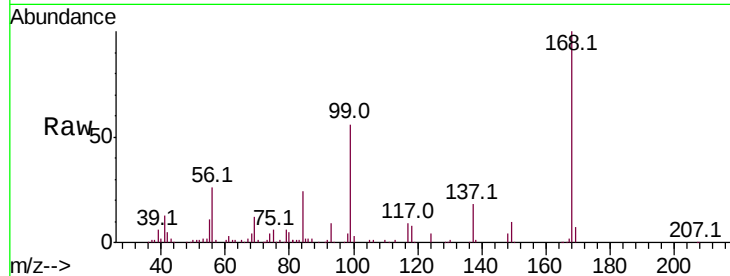
Tot Ion: 56 Resp: 77260

Ion Ratio Lower Upper

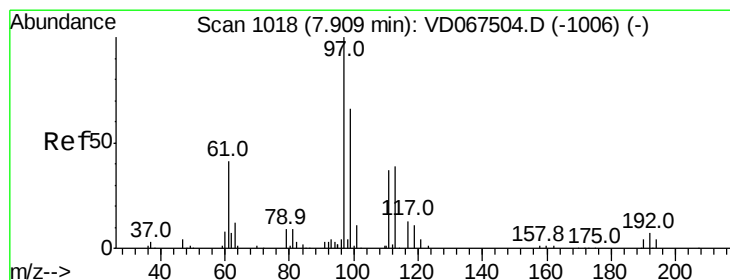
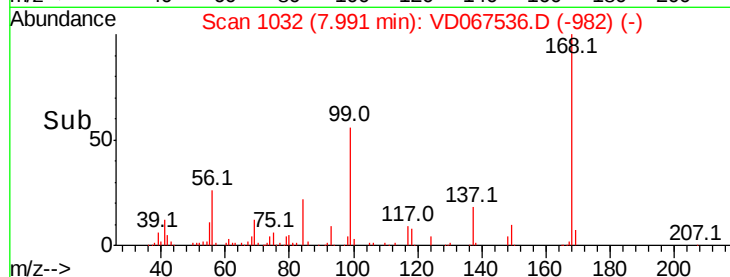
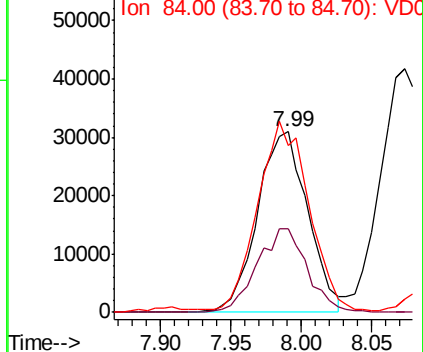
56 100

69 46.1 25.9 38.9#

84 90.5 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: 20.376 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

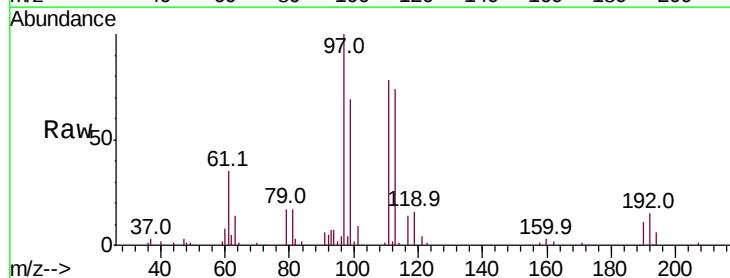
Tgt Ion: 97 Resp: 111640

Ion Ratio Lower Upper

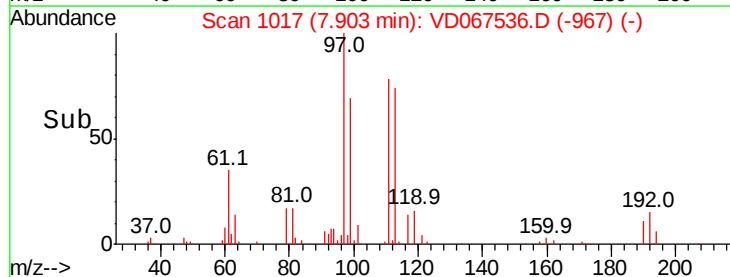
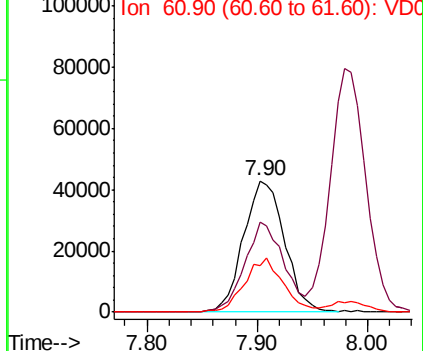
97 100

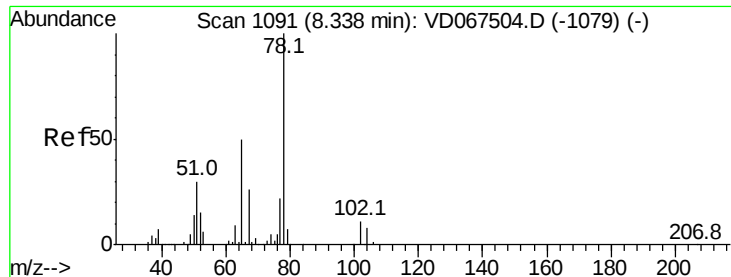
99 65.4 51.8 77.6

61 39.0 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: 48.070 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

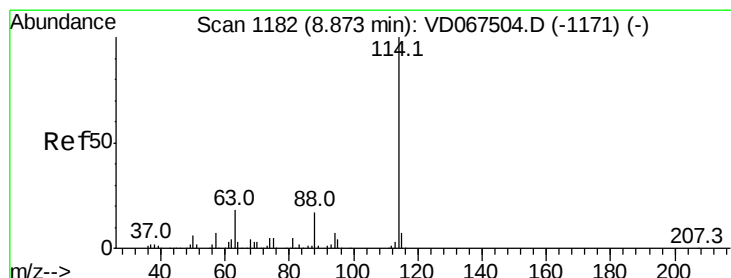
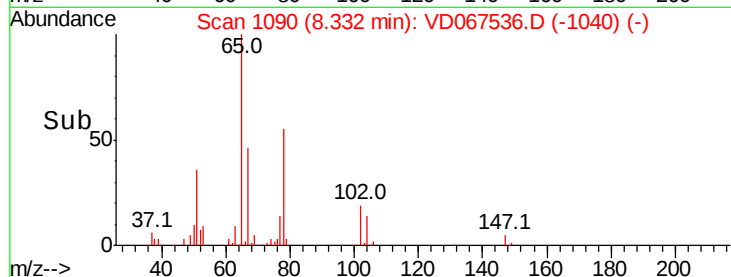
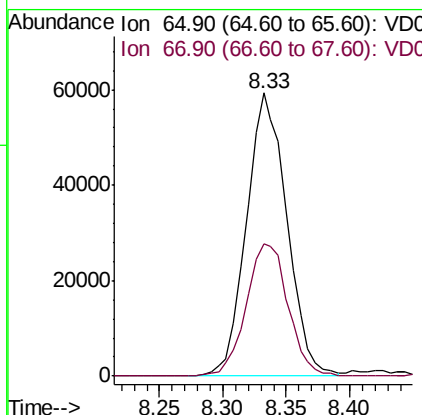
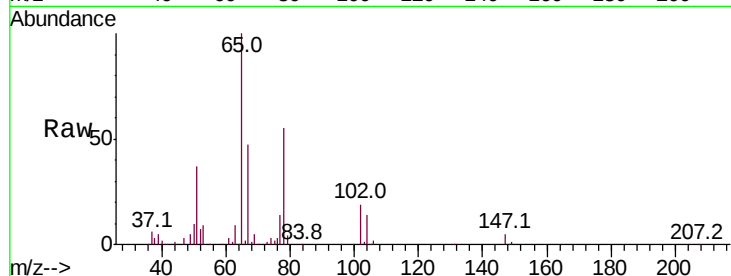
Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion: 65 Resp: 131375

Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

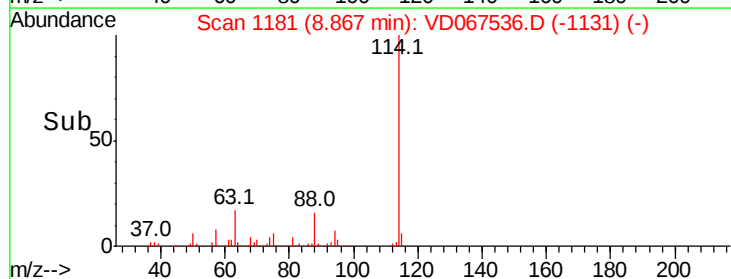
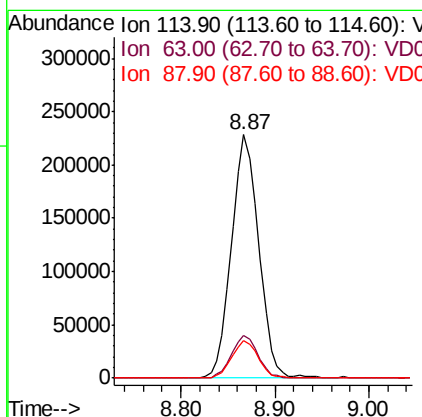
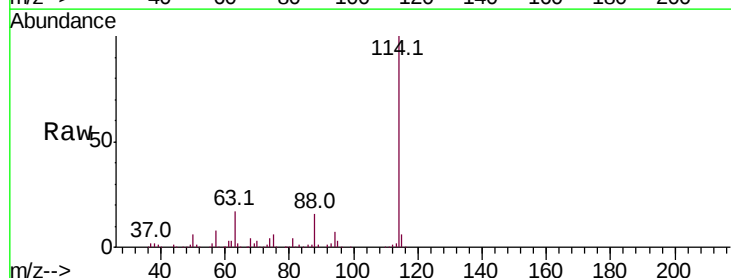
Delta R.T. -0.01 min

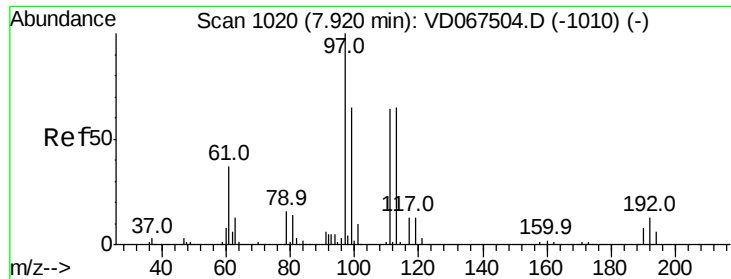
Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Tgt Ion: 114 Resp: 461345

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	35.0
88	15.6	0.0	33.0

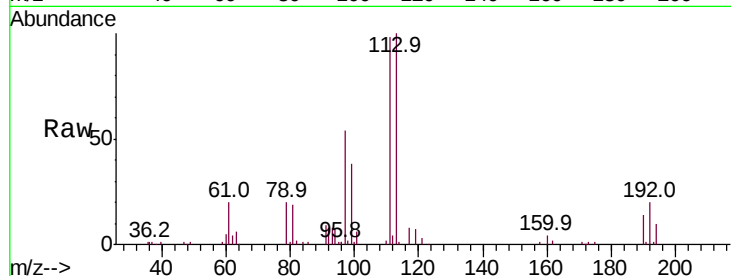




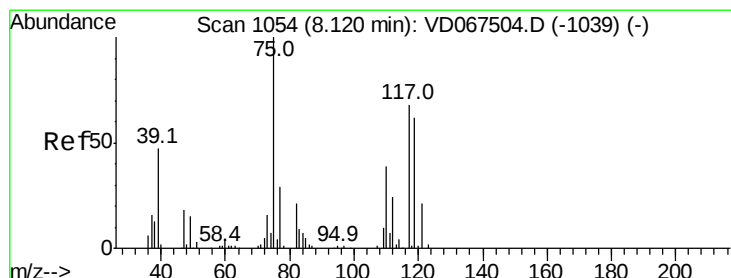
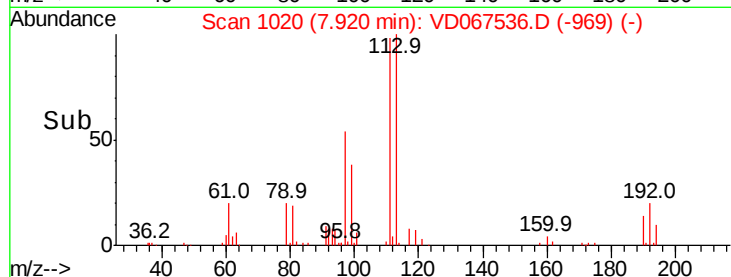
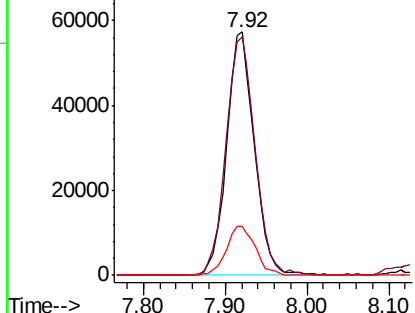
#35
 Dibromofluoromethane
 Concen: 48.643 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.0	120.0
192	21.0	16.3	24.5

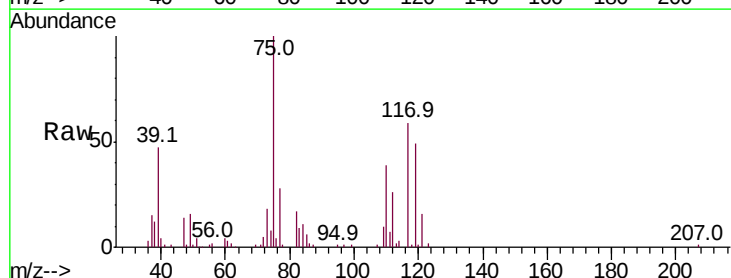


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

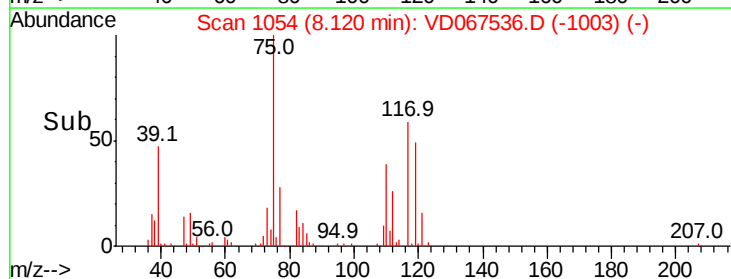
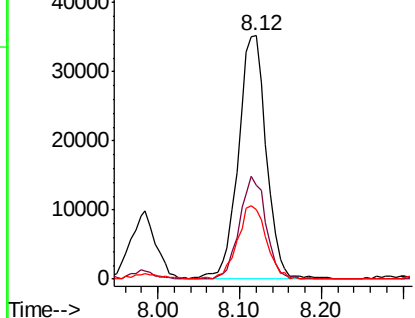


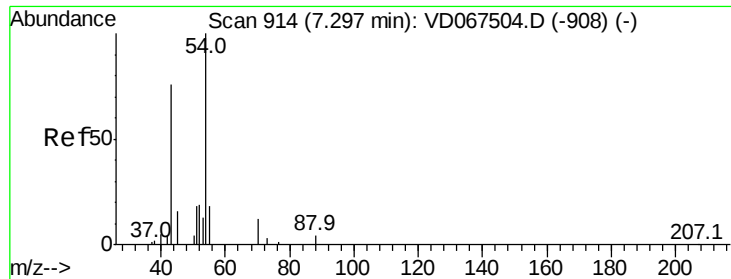
#36
 1,1-Dichloropropene
 Concen: 21.313 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.5	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

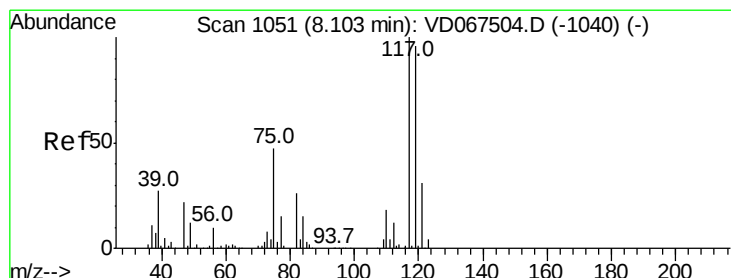
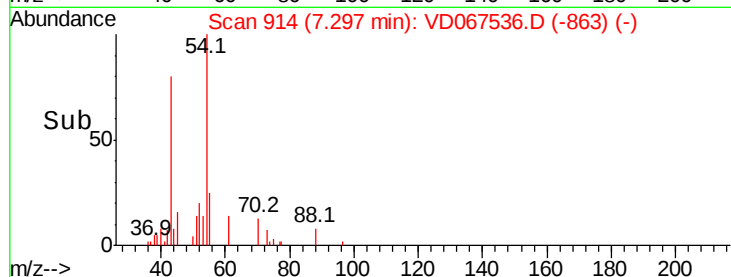
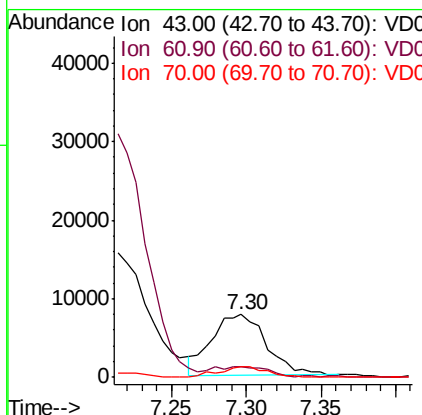
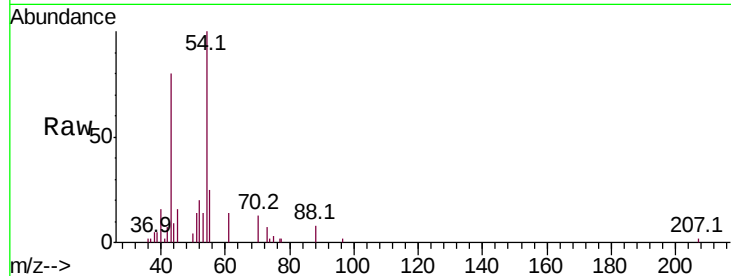




#37
Ethyl Acetate
Concen: 19.527 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

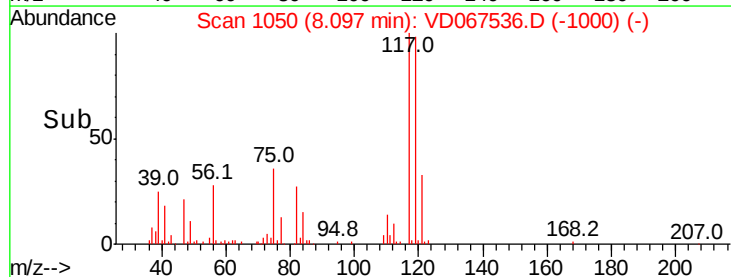
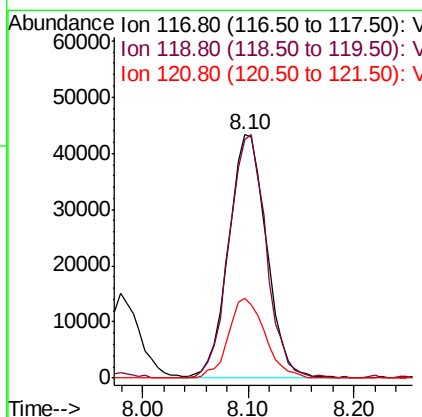
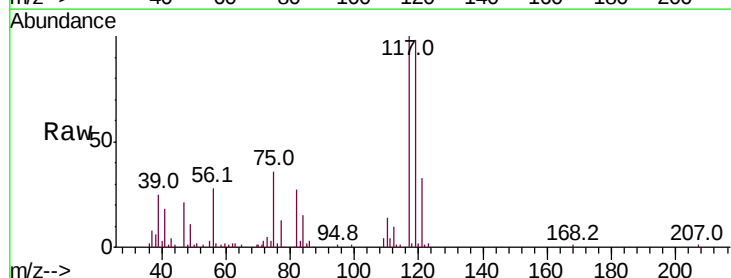
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

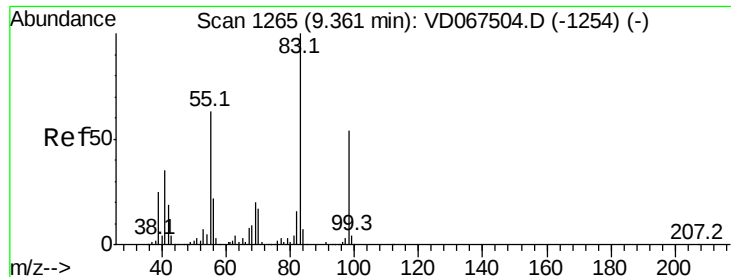
Tot Ion: 43 Resp: 20020
Ion Ratio Lower Upper
43 100
61 18.2 12.8 19.2
70 15.0 11.7 17.5



#38
Carbon Tetrachloride
Concen: 21.028 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 117 Resp: 107893
Ion Ratio Lower Upper
117 100
119 98.3 76.9 115.3
121 32.6 24.5 36.7

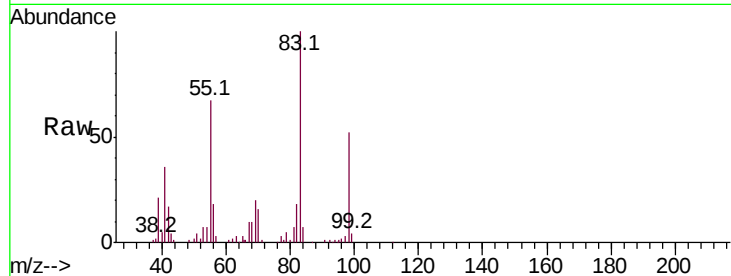




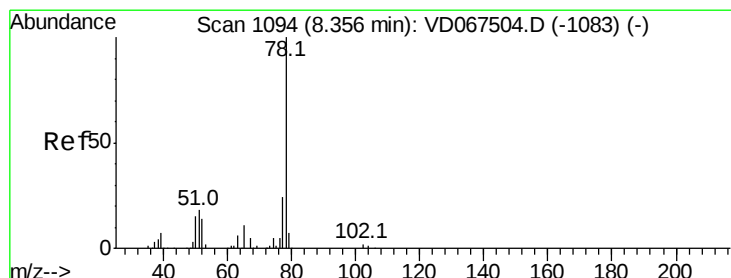
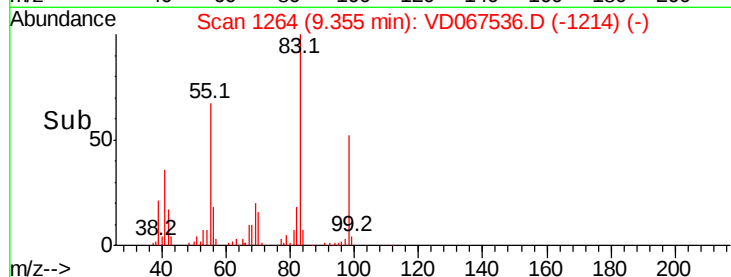
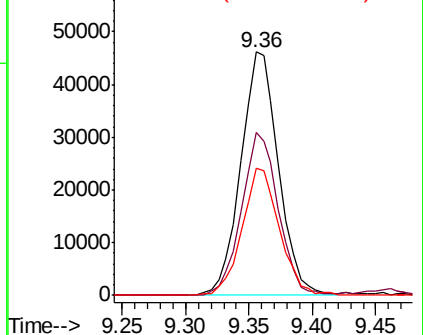
#39
Methvlcvclohexane
Concen: 20.499 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion: 83 Resp: 95279
Ion Ratio Lower Upper
83 100
55 67.0 50.5 75.7
98 52.4 43.4 65.0

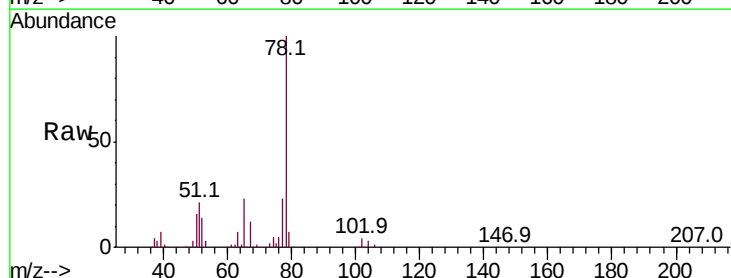


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

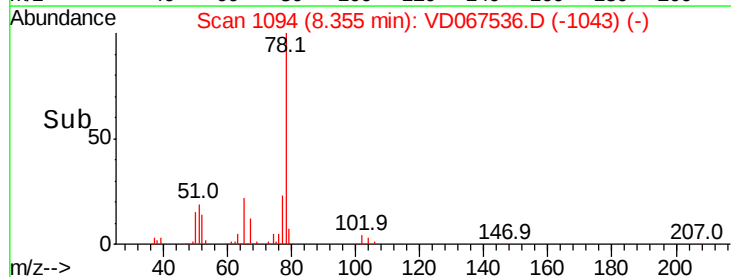
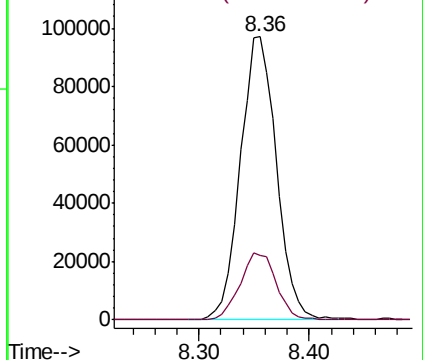


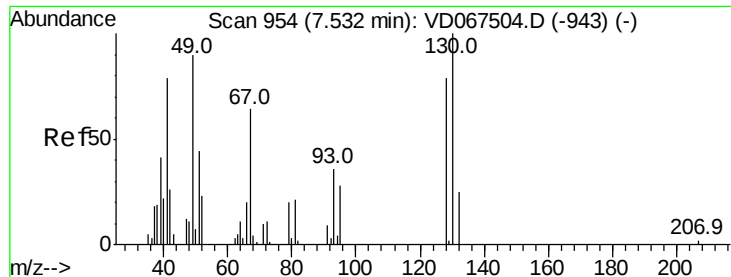
#40
Benzene
Concen: 20.876 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 78 Resp: 223310
Ion Ratio Lower Upper
78 100
77 22.9 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: 20.348 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

Tot Ion: 41 Resp: 12470

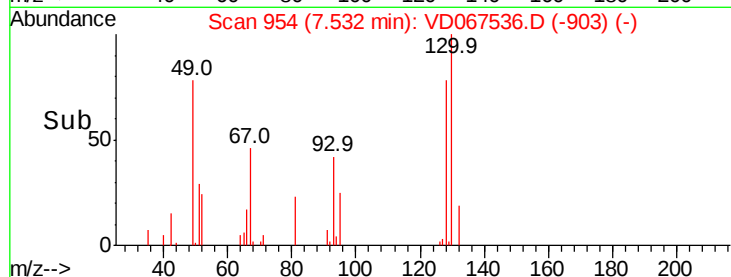
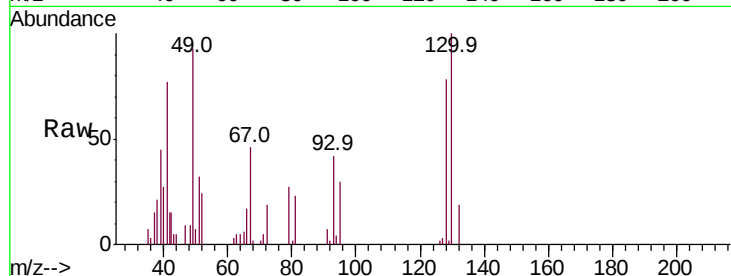
Ion Ratio Lower Upper

41 100

39 63.9 51.3 76.9

67 93.3 78.9 118.3

52 41.0 31.4 47.2

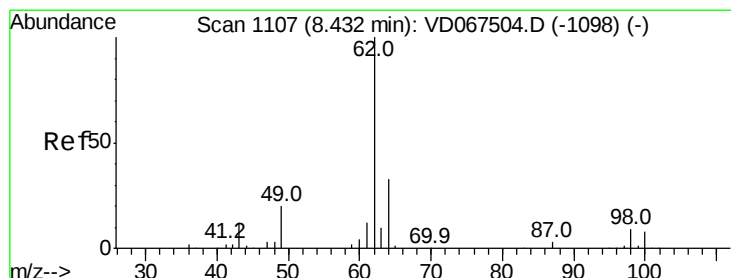
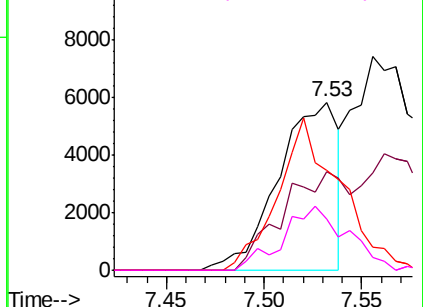


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.755 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067536.D

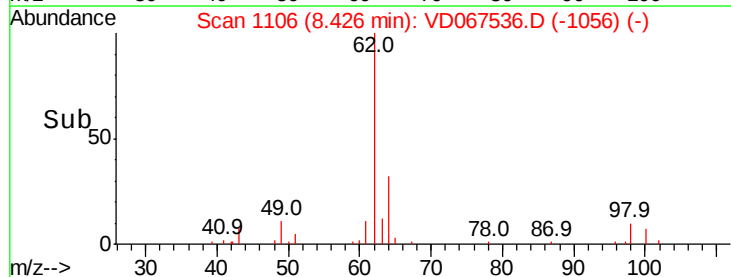
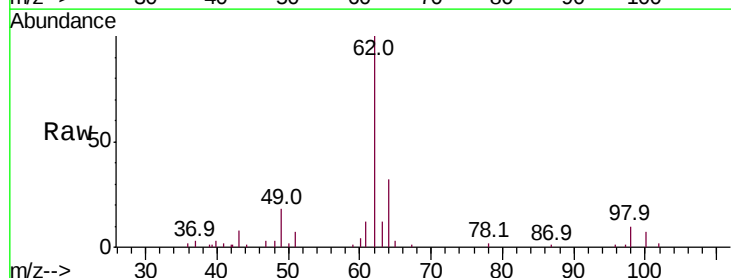
Acq: 05 Nov 2020 11:25

Tgt Ion: 62 Resp: 71901

Ion Ratio Lower Upper

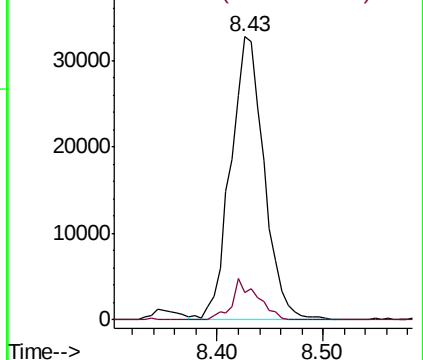
62 100

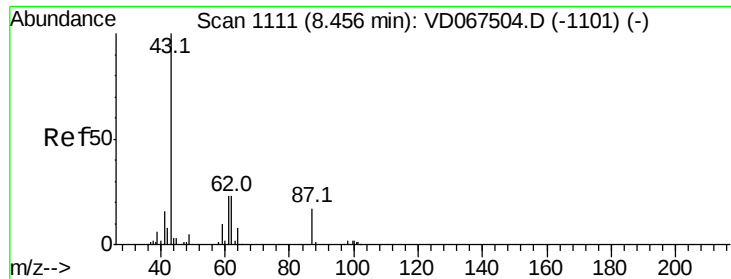
98 11.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.899 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

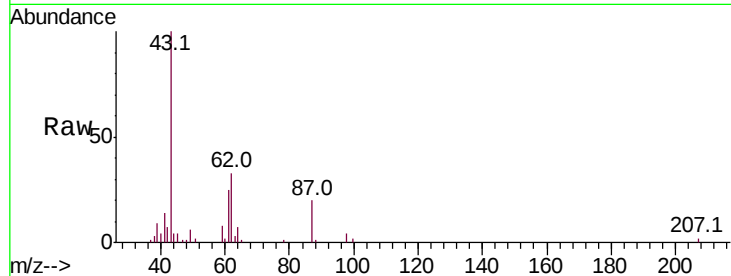
Tot Ion: 43 Resp: 42376

Ion Ratio Lower Upper

43 100

61 39.8 30.5 45.7

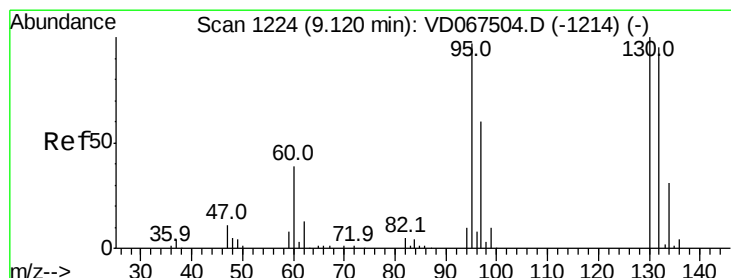
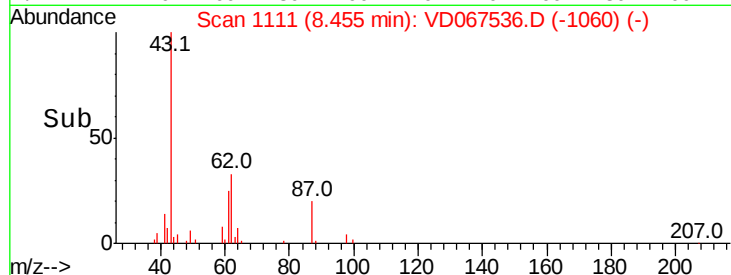
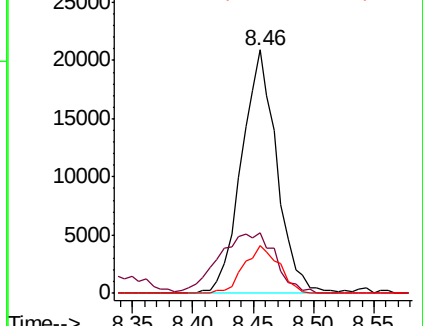
87 19.6 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.459 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067536.D

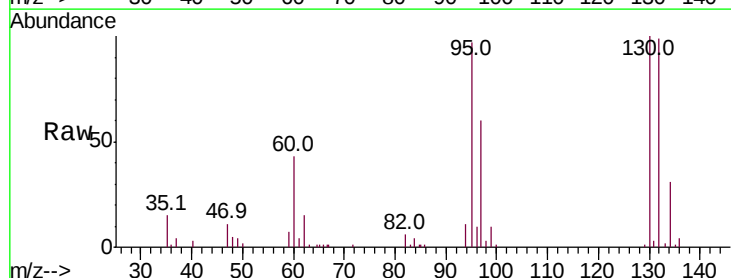
Acq: 05 Nov 2020 11:25

Tgt Ion: 130 Resp: 71958

Ion Ratio Lower Upper

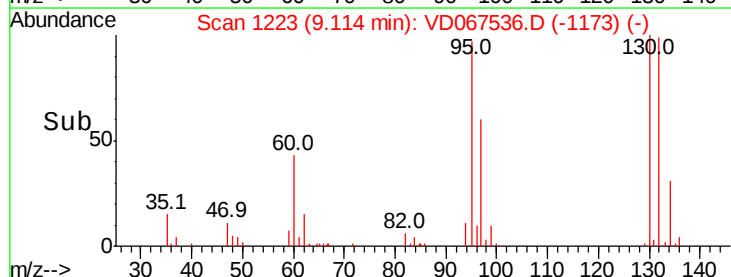
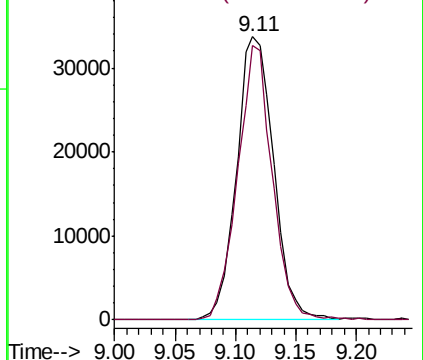
130 100

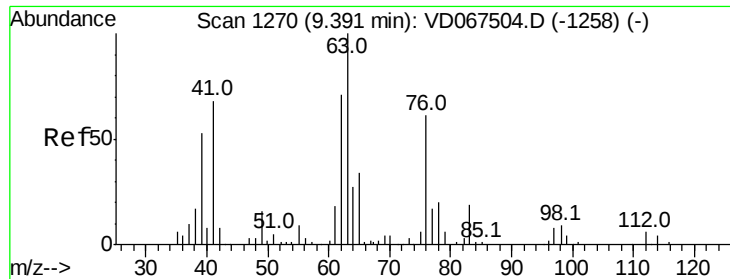
95 97.0 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.619 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

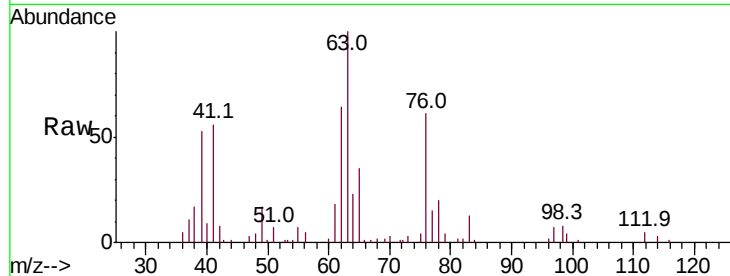
VD1105SBSD01

Tot Ion: 63 Resp: 47686

Ion Ratio Lower Upper

63 100

65 35.3 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

25000

20000

15000

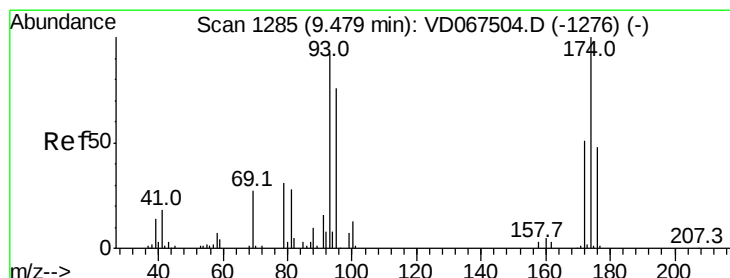
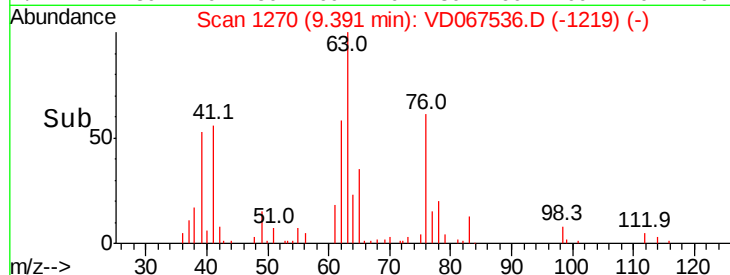
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 20.242 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

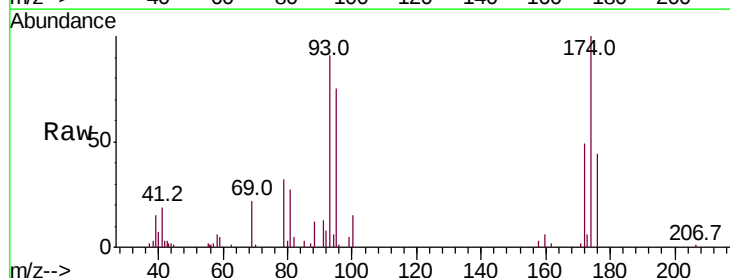
Tgt Ion: 93 Resp: 29766

Ion Ratio Lower Upper

93 100

95 83.2 66.4 99.6

174 116.6 88.2 132.4



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

25000

20000

15000

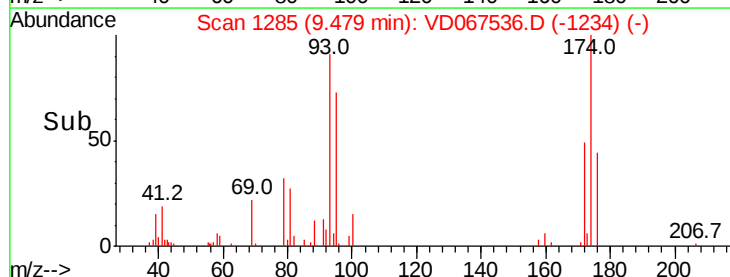
10000

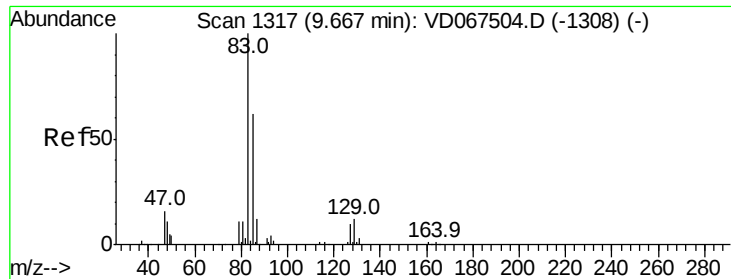
5000

0

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 21.095 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

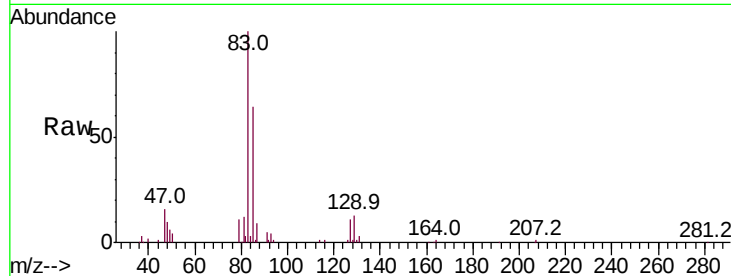
Tot Ion: 83 Resp: 84316

Ion Ratio Lower Upper

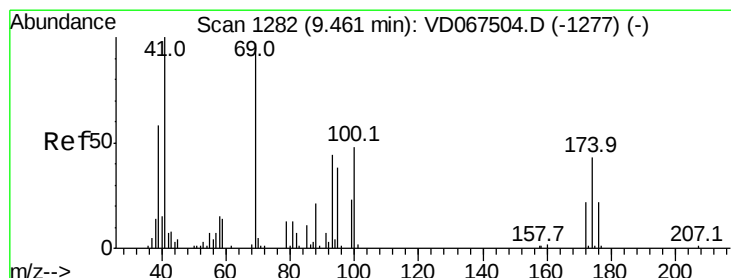
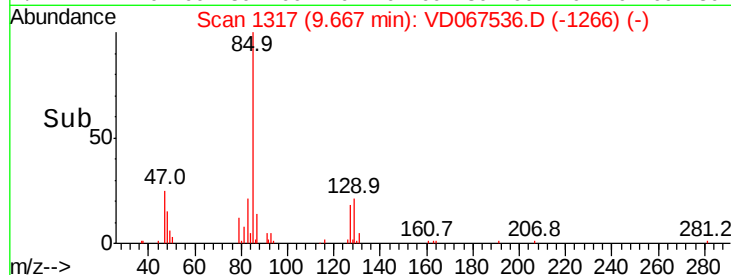
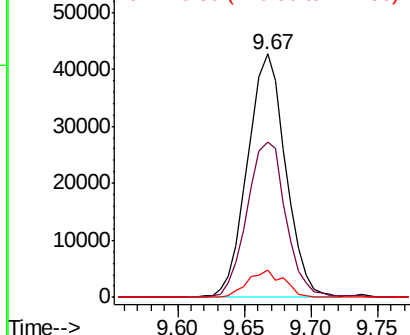
83 100

85 63.9 49.4 74.2

127 11.3 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: 19.242 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

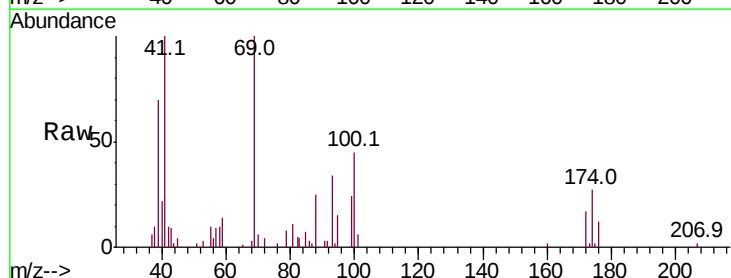
Tgt Ion: 41 Resp: 20145

Ion Ratio Lower Upper

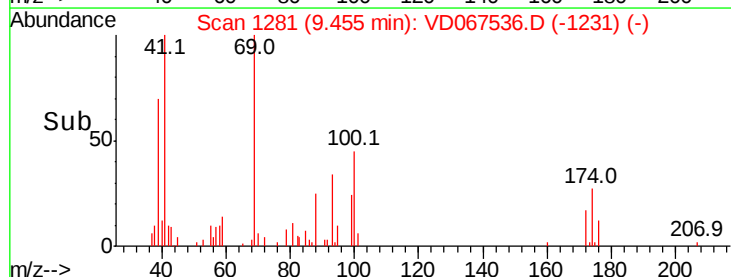
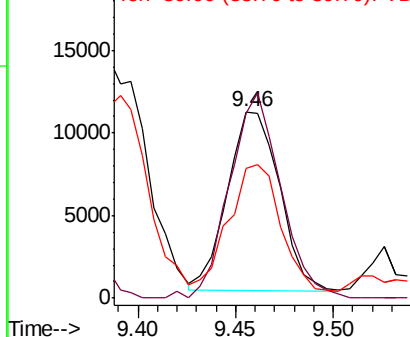
41 100

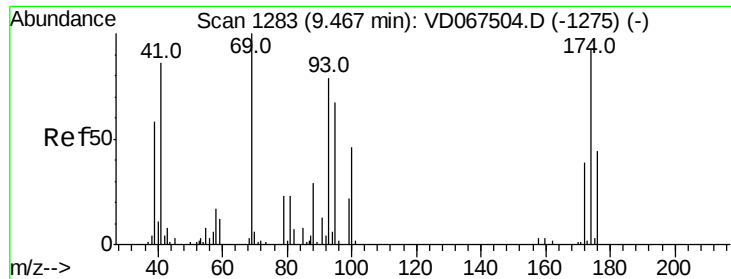
69 112.8 80.6 121.0

39 79.4 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: 439.300 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

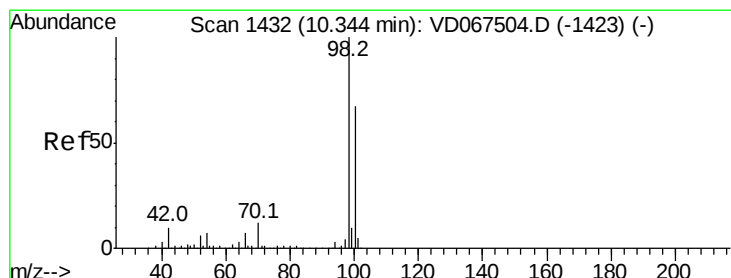
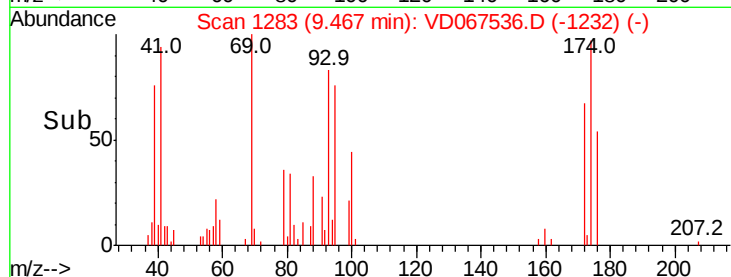
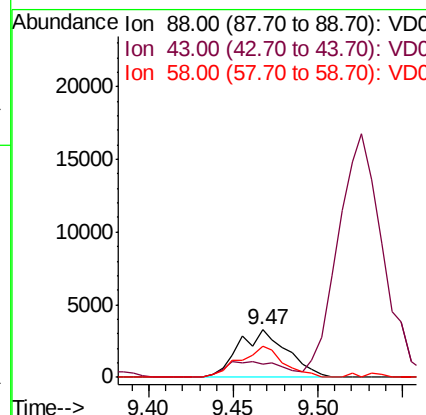
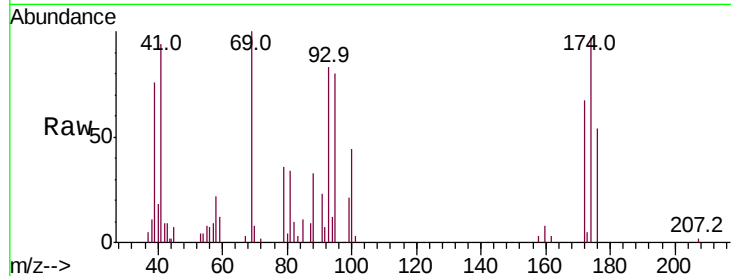
Tot Ion: 88 Resp: 6558

Ion Ratio Lower Upper

88 100

43 40.1 23.6 35.4#

58 58.5 44.7 67.1



#50

Toluene-d8

Concen: 48.117 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067536.D

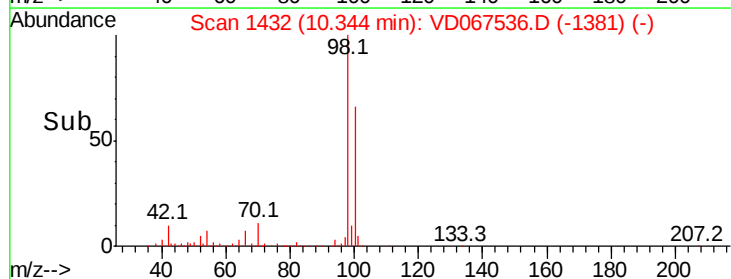
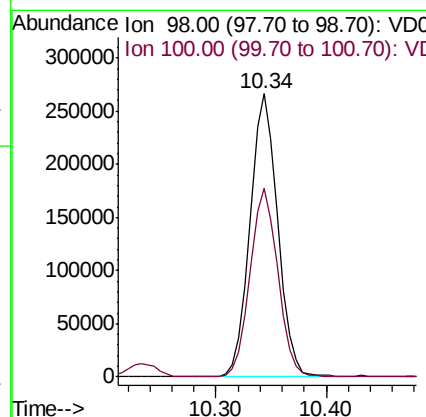
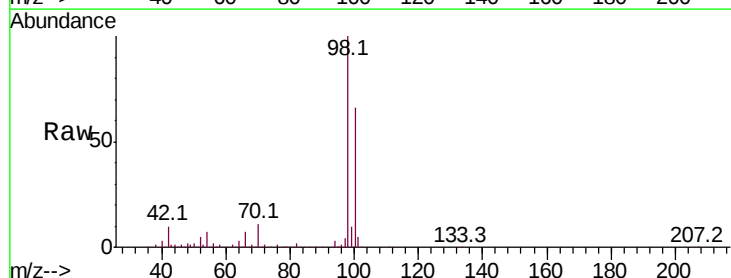
Acq: 05 Nov 2020 11:25

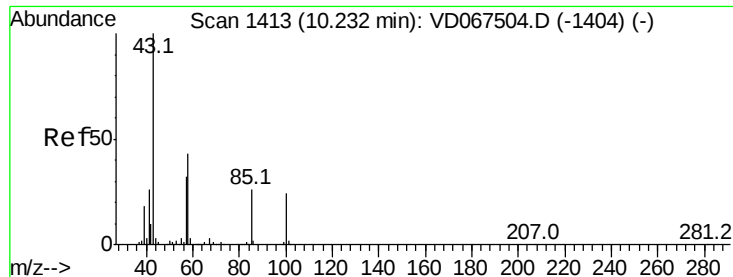
Tgt Ion: 98 Resp: 470014

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 107.693 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

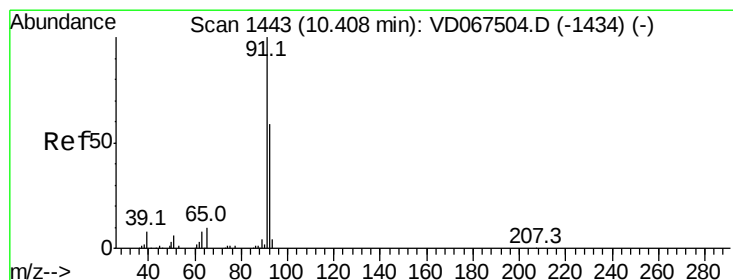
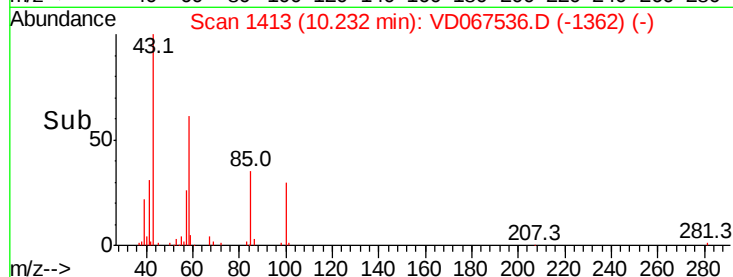
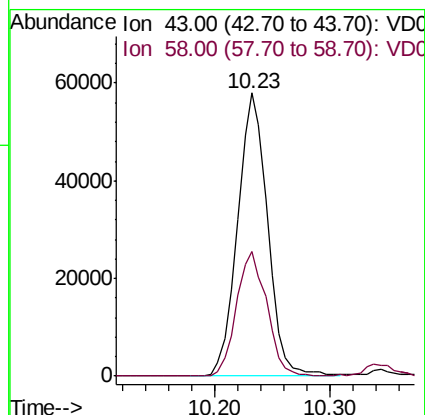
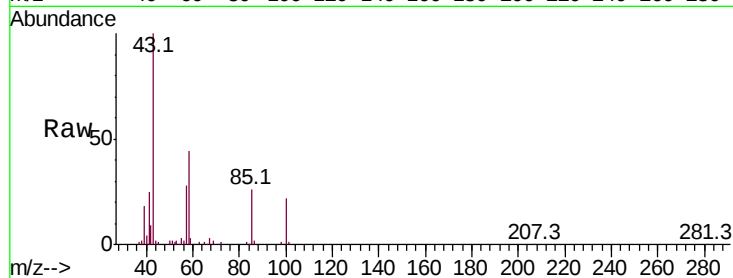
VD1105SBSD01

Tot Ion: 43 Resp: 104431

Ion Ratio Lower Upper

43 100

58 44.5 35.6 53.4



#52

Toluene

Concen: 20.631 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067536.D

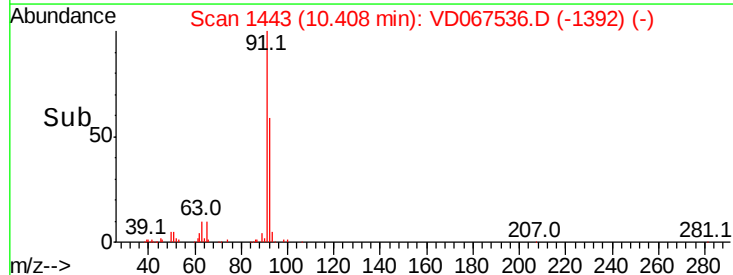
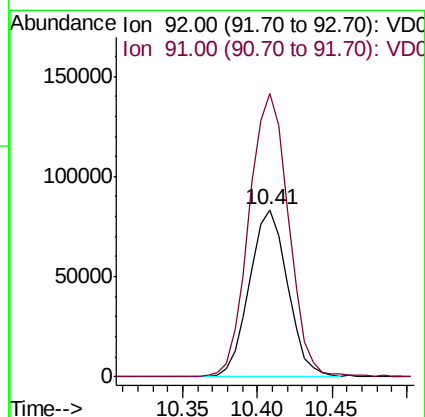
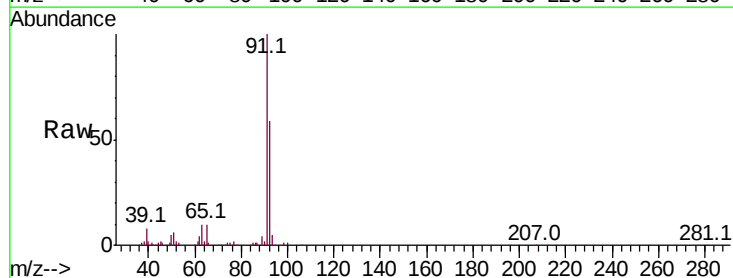
Acq: 05 Nov 2020 11:25

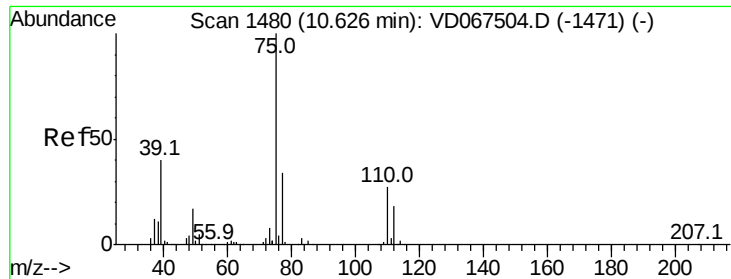
Tgt Ion: 92 Resp: 147820

Ion Ratio Lower Upper

92 100

91 175.0 137.0 205.6

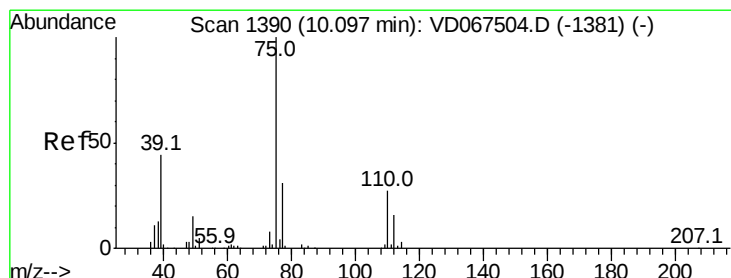
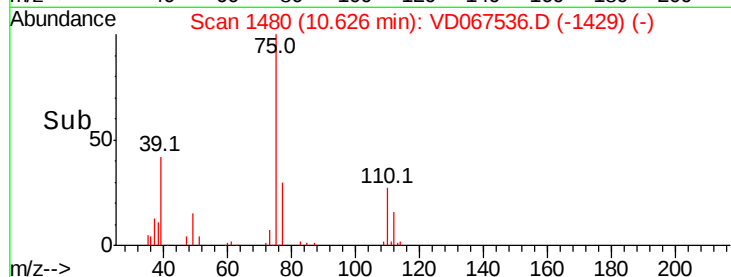
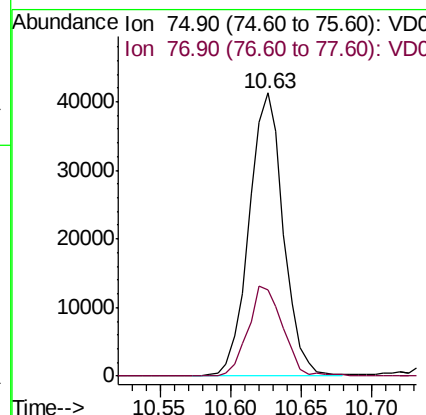
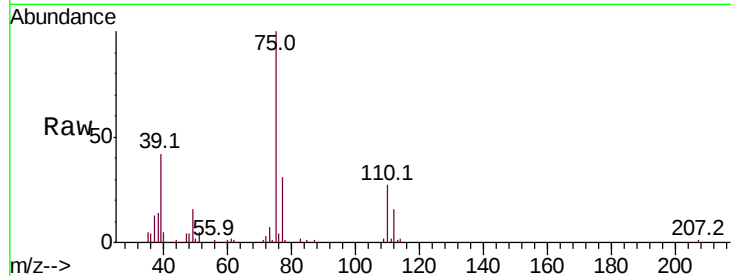




#53
 t-1,3-Dichloropropene
 Concen: 20.569 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

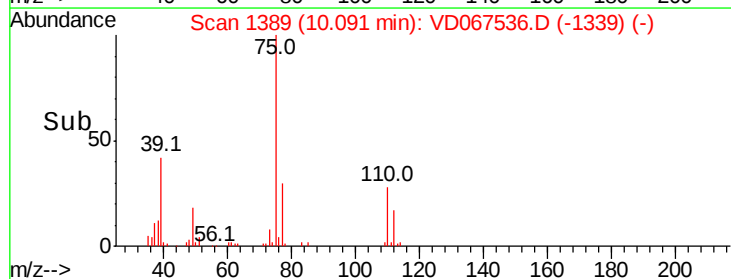
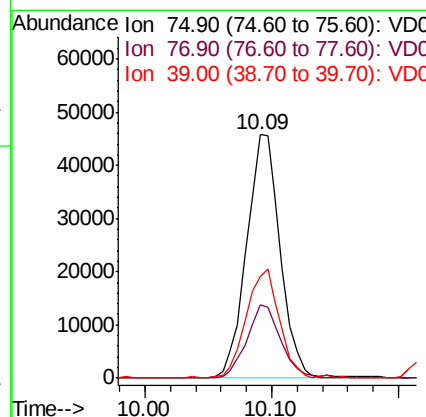
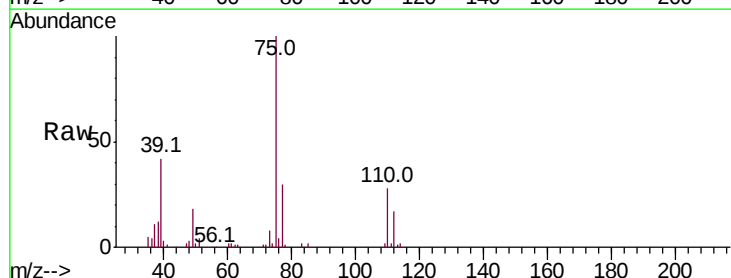
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBS01

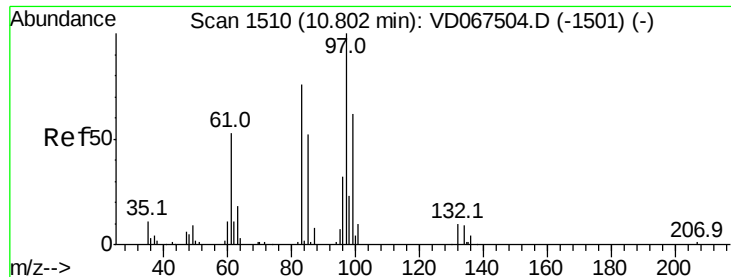
Tot Ion: 75 Resp: 70411
 Ion Ratio Lower Upper
 75 100
 77 30.6 27.0 40.6



#54
 cis-1,3-Dichloropropene
 Concen: 20.734 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Tgt Ion: 75 Resp: 84328
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.4 36.6
 39 41.3 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 21.764 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

Tot Ion: 97 Resp: 42345

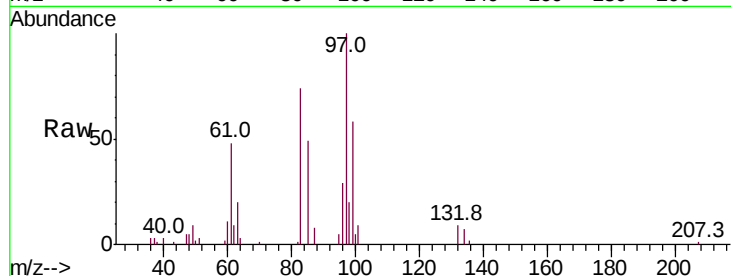
Ion	Ratio	Lower	Upper
97	100		
83	74.1	61.0	91.6
85	49.5	41.5	62.3
99	58.4	49.4	74.2

97 100

83 74.1 61.0 91.6

85 49.5 41.5 62.3

99 58.4 49.4 74.2

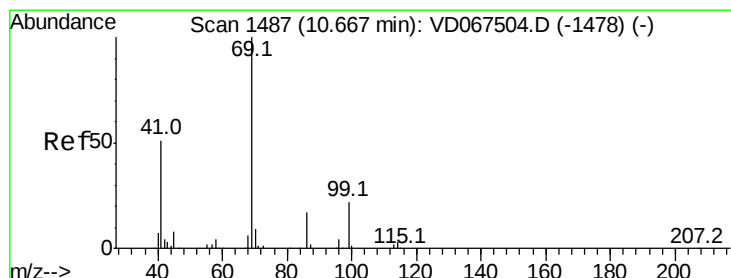
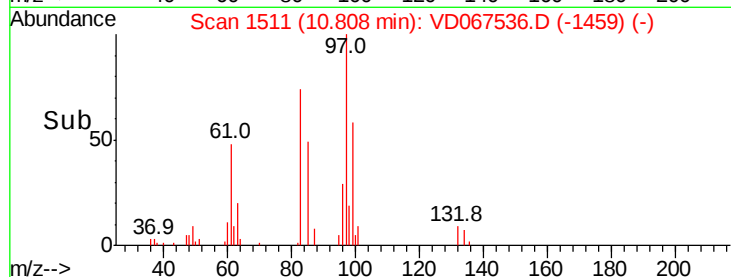
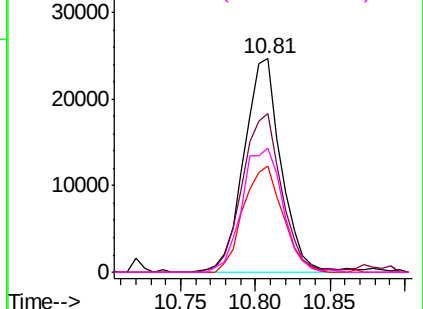


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



#56

Ethyl methacrylate

Concen: 20.052 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

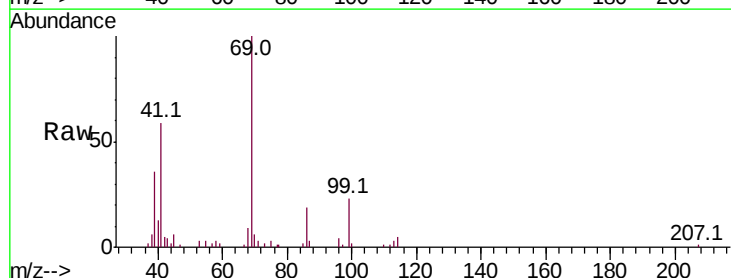
Tgt Ion: 69 Resp: 40289

Ion	Ratio	Lower	Upper
69	100		
41	56.7	45.4	68.0
39	32.5	27.4	41.0

69 100

41 56.7 45.4 68.0

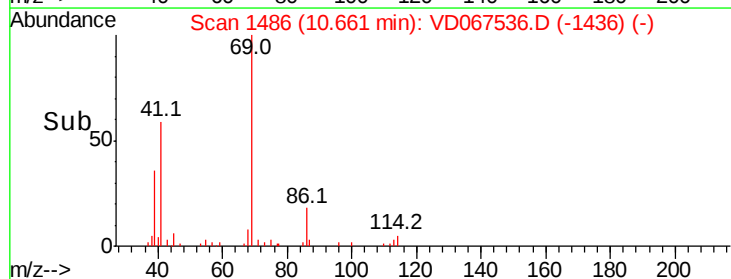
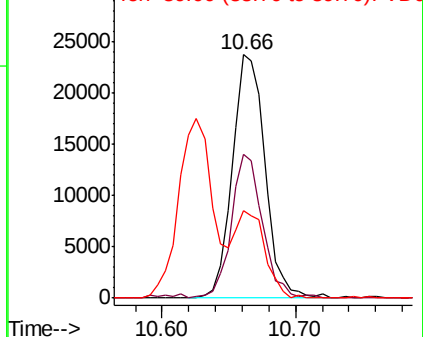
39 32.5 27.4 41.0

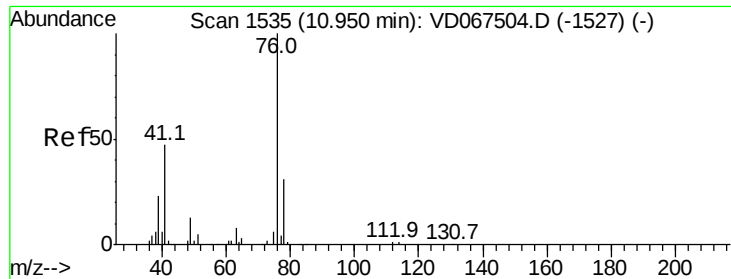


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.026 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

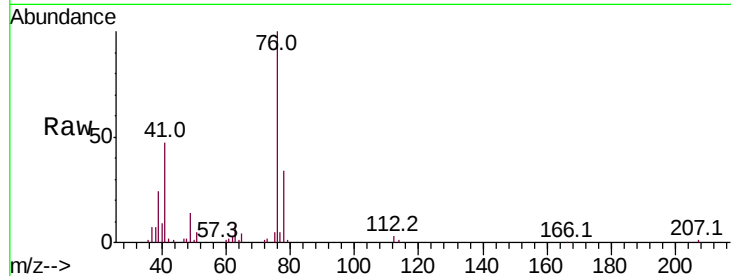
VD1105SBSD01

Tot Ion: 76 Resp: 65830

Ion Ratio Lower Upper

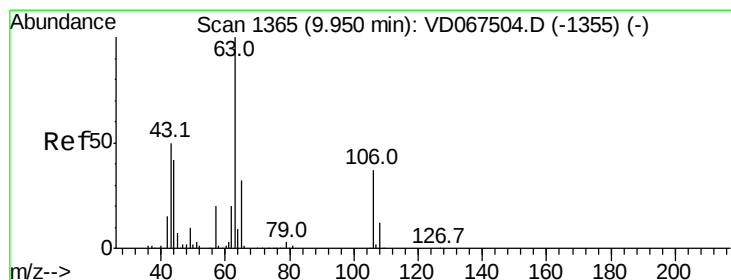
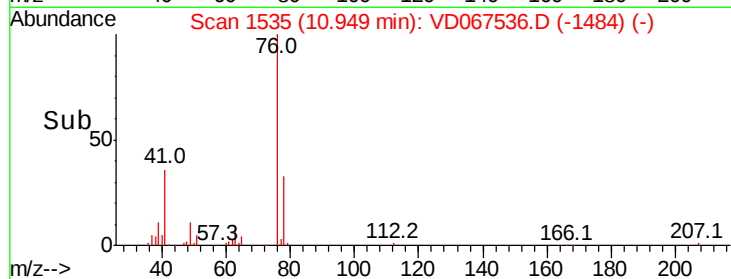
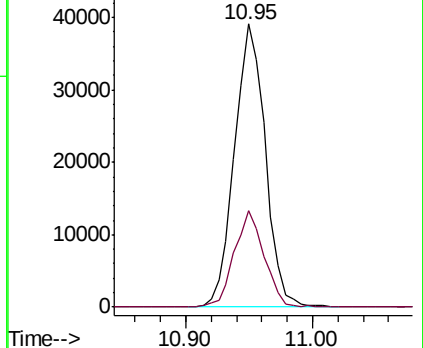
76 100

78 32.9 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 110.297 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VD067536.D

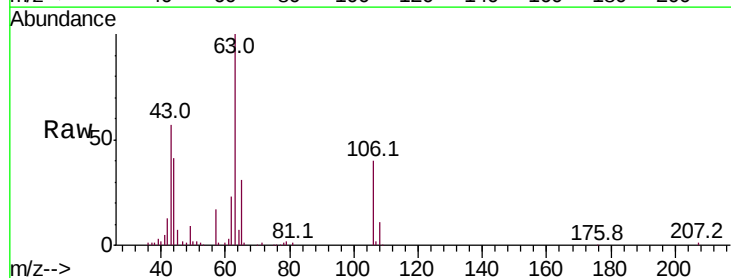
Acq: 05 Nov 2020 11:25

Tgt Ion: 63 Resp: 103345

Ion Ratio Lower Upper

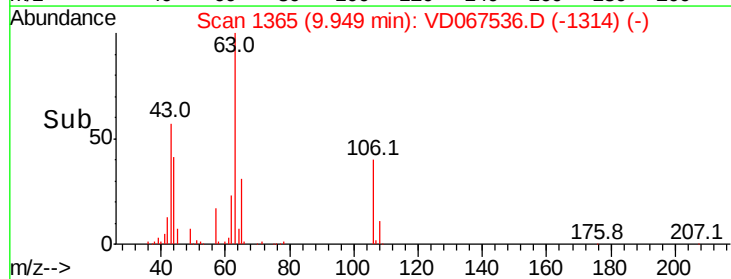
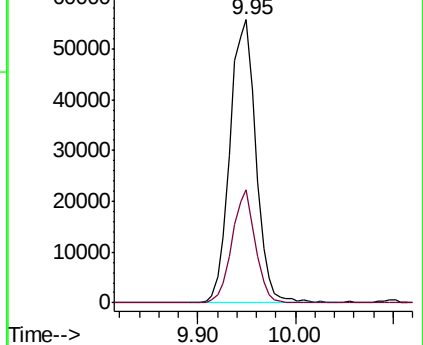
63 100

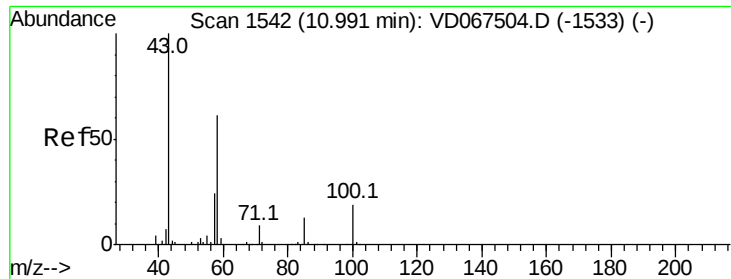
106 35.5 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

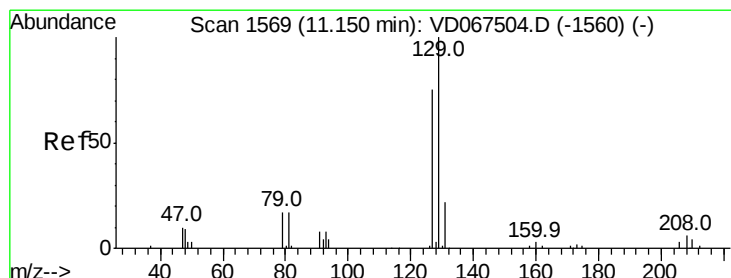
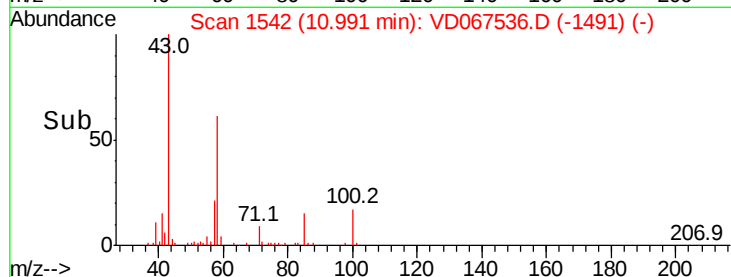
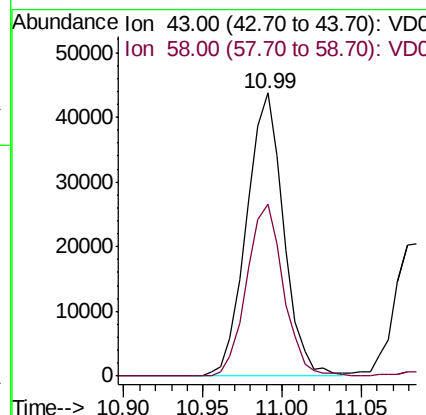
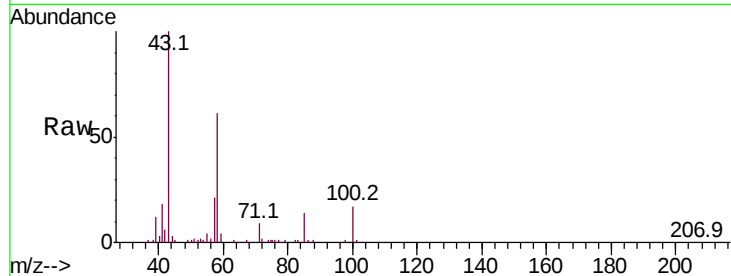




#59
2-Hexanone
Concen: 104.936 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

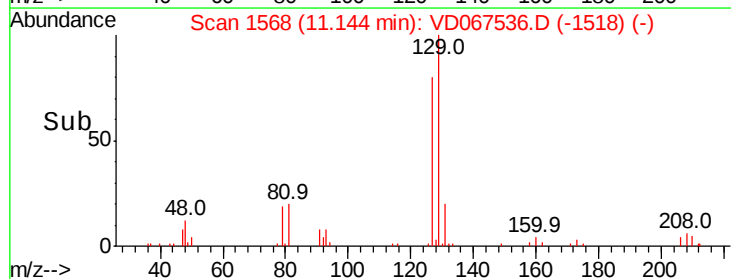
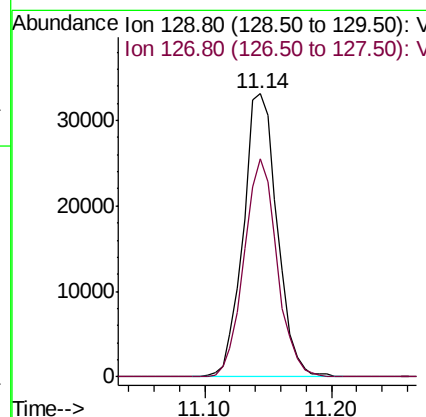
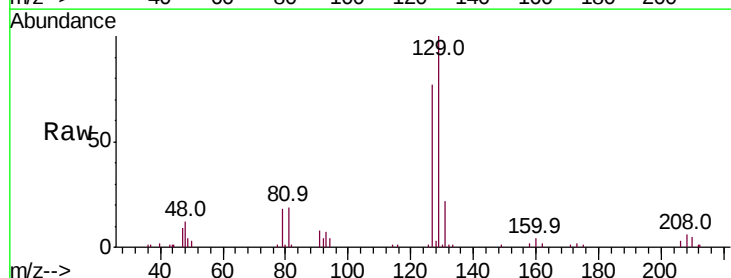
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

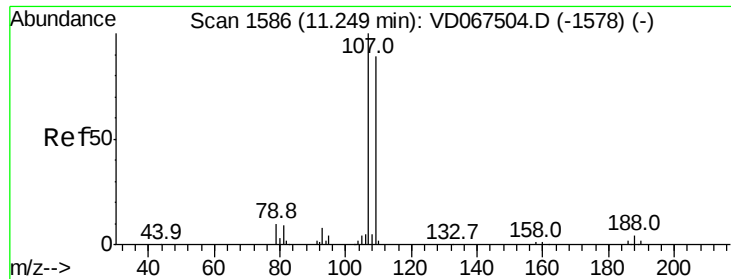
Tot Ion: 43 Resp: 71149
Ion Ratio Lower Upper
43 100
58 60.3 30.3 90.9



#60
Dibromochloromethane
Concen: 21.405 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 129 Resp: 61607
Ion Ratio Lower Upper
129 100
127 74.8 38.0 114.1

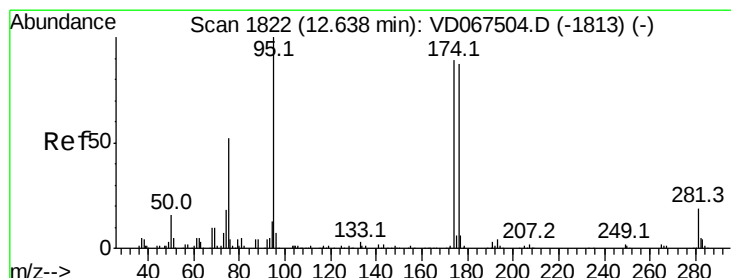
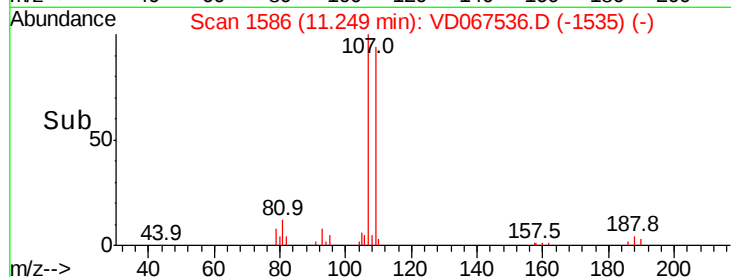
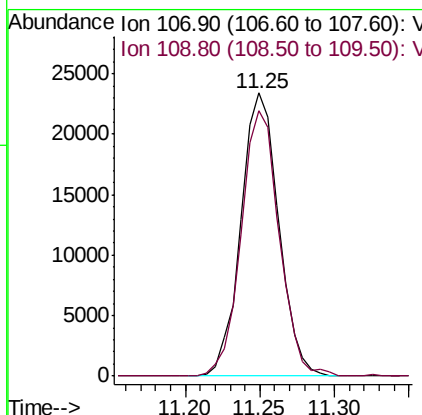
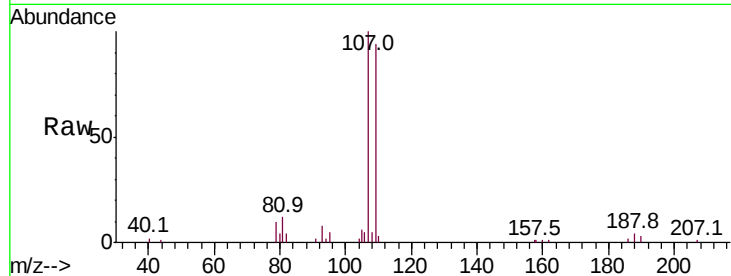




#61
 1,2-Dibromoethane
 Concen: 20.975 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

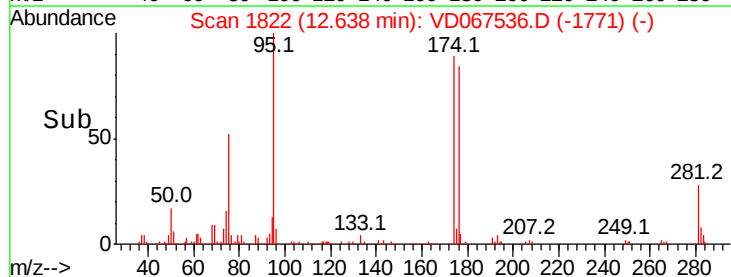
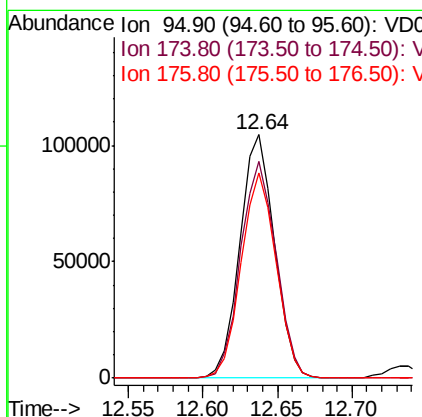
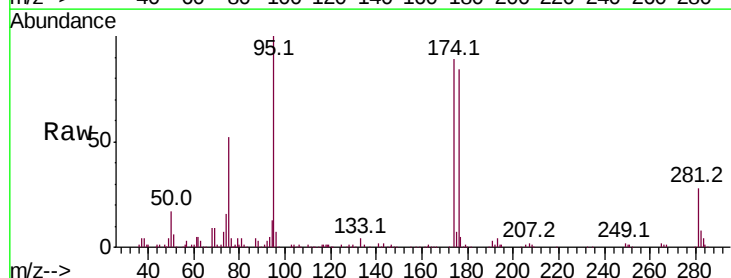
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBSD01

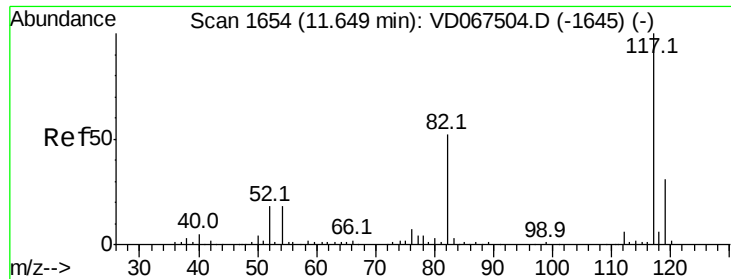
Tot Ion:107 Resp: 40959
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.910 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Tgt Ion: 95 Resp: 168316
 Ion Ratio Lower Upper
 95 100
 174 91.0 0.0 177.8
 176 84.8 0.0 172.0

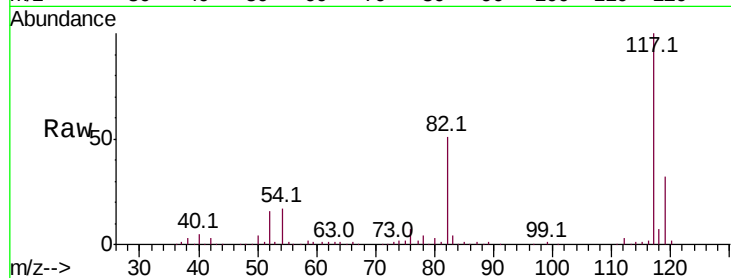




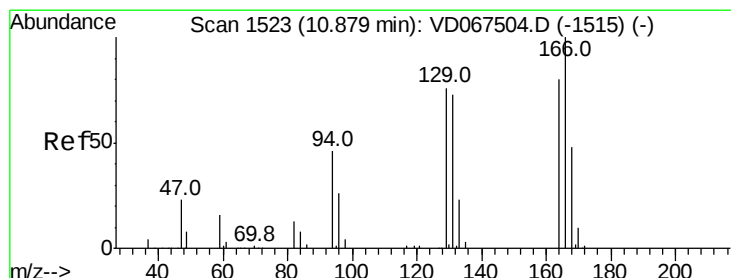
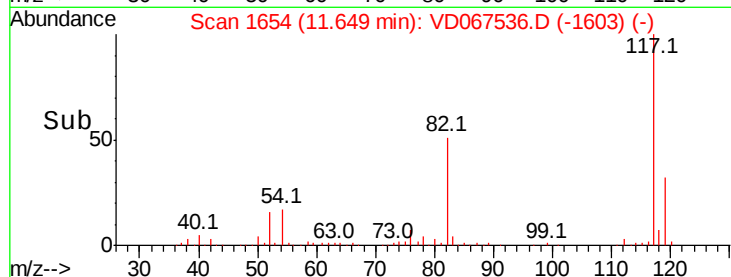
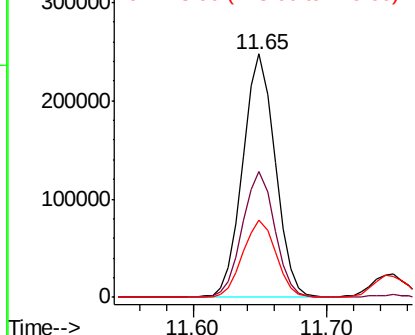
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion:117 Resp: 417406
Ion Ratio Lower Upper
117 100
82 51.5 41.6 62.4
119 31.6 25.1 37.7

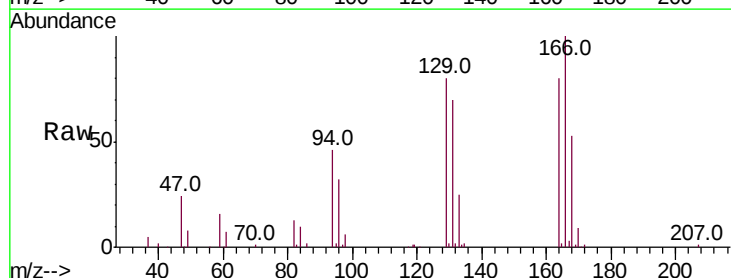


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

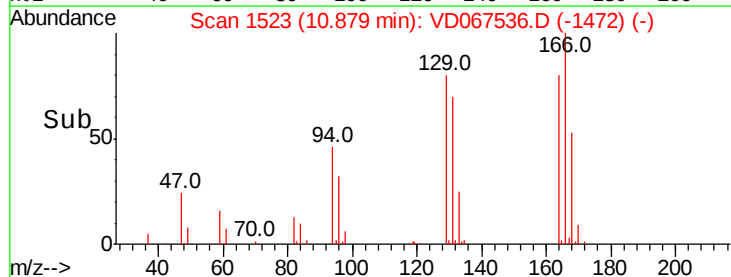
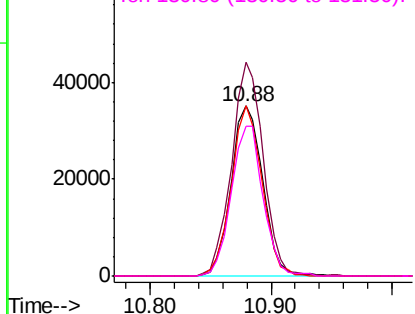


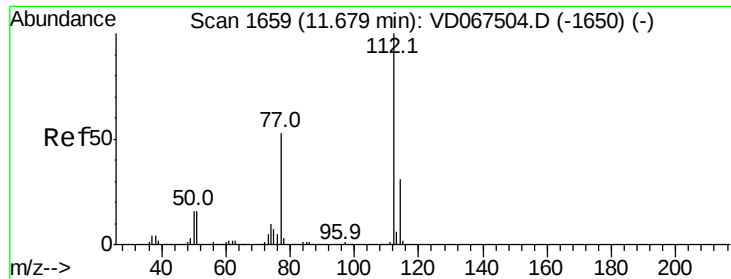
#64
Tetrachloroethene
Concen: 20.820 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion:164 Resp: 64359
Ion Ratio Lower Upper
164 100
166 125.7 99.9 149.9
129 100.3 75.5 113.3
131 88.2 73.4 110.0



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





#65

Chlorobenzene

Concen: 20.381 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

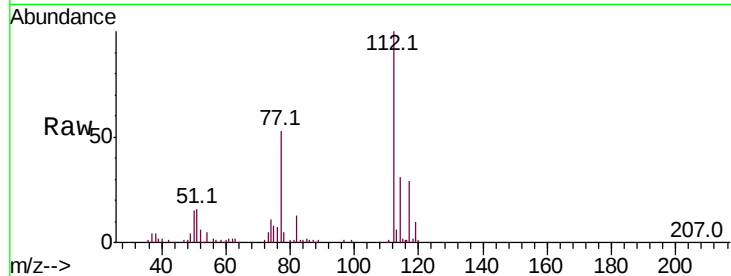
VD1105SBSD01

Tot Ion:112 Resp: 163868

Ion Ratio Lower Upper

112 100

114 31.0 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

100000

80000

60000

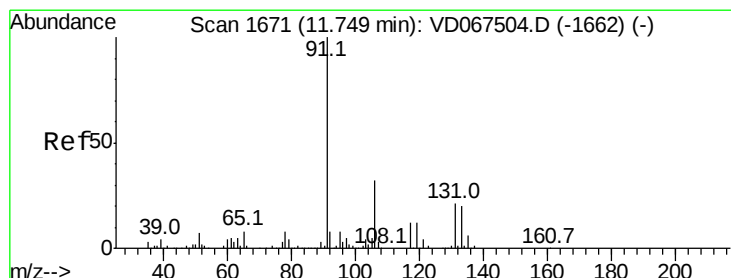
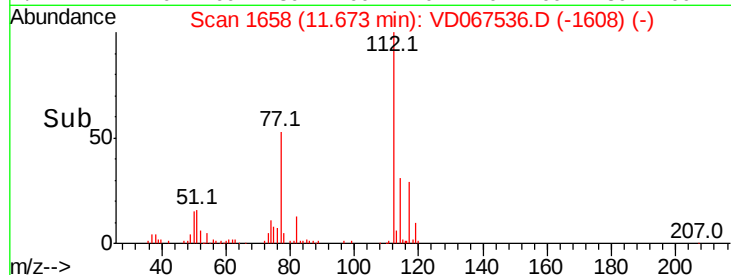
40000

20000

0

Time-->

11.60 11.70



#66

1,1,1,2-Tetrachloroethane

Concen: 21.005 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

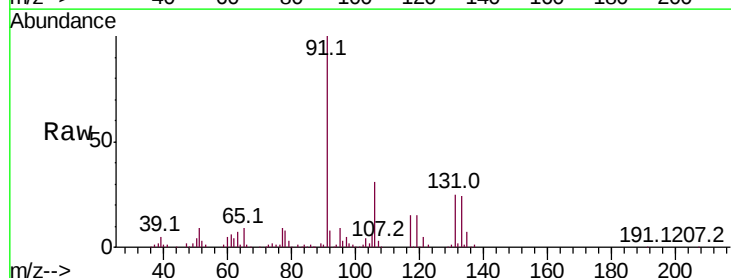
Tgt Ion:131 Resp: 66563

Ion Ratio Lower Upper

131 100

133 98.7 48.0 144.0

119 60.2 30.1 90.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

100000

80000

60000

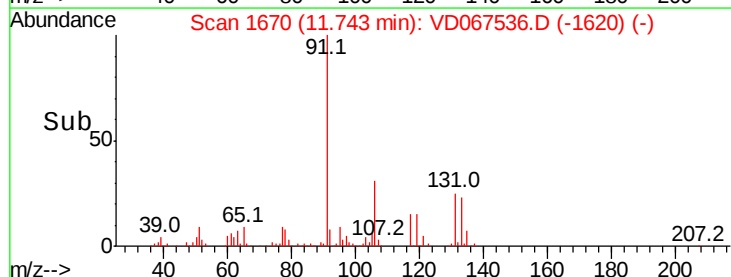
40000

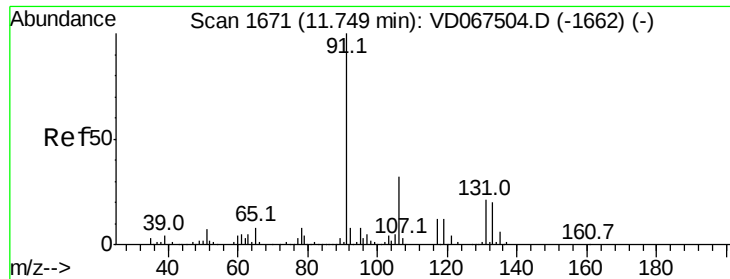
20000

0

Time-->

11.65 11.70 11.75 11.80

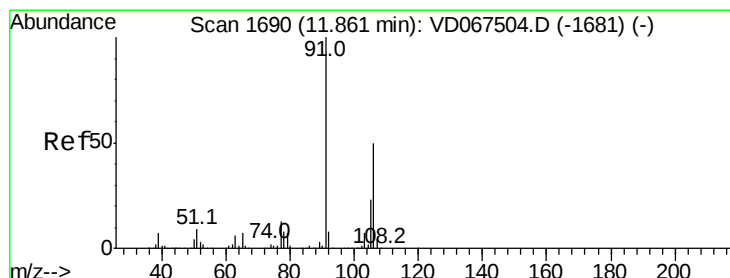
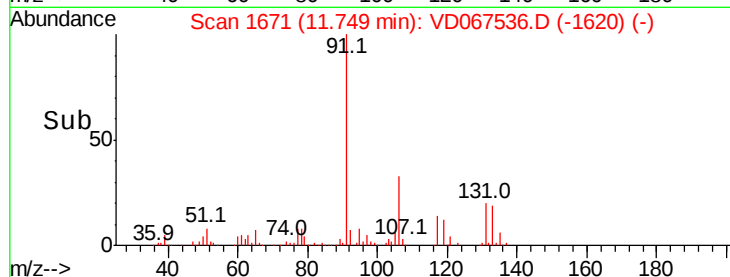
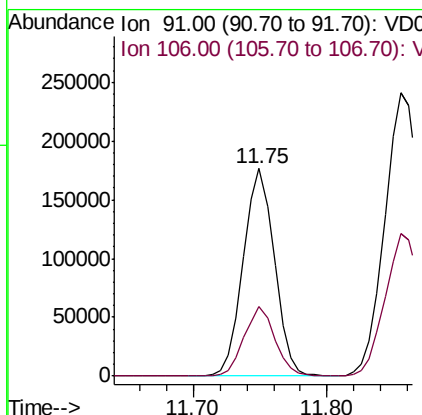
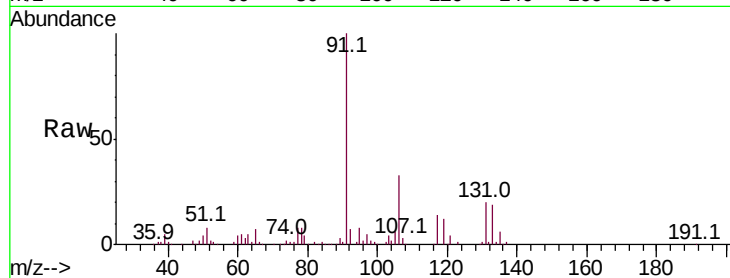




#67
Ethyl Benzene
Concen: 20.768 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

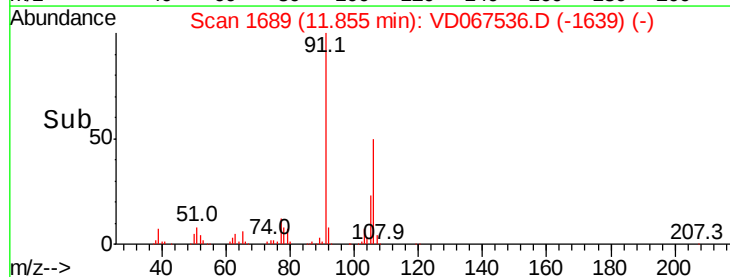
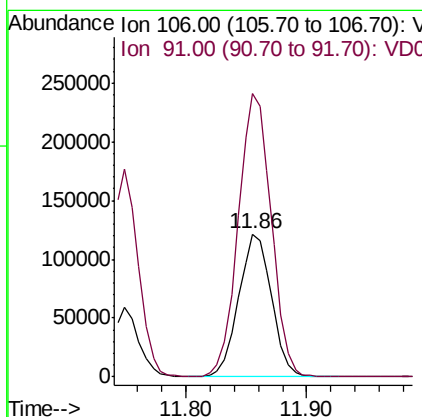
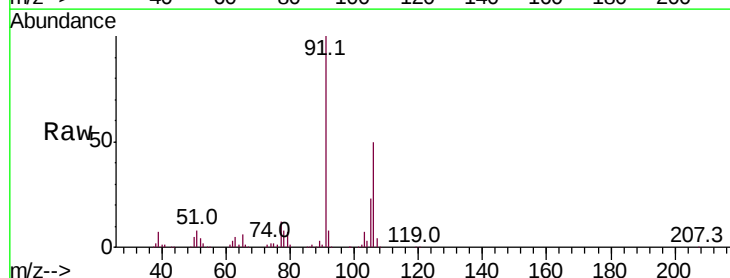
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

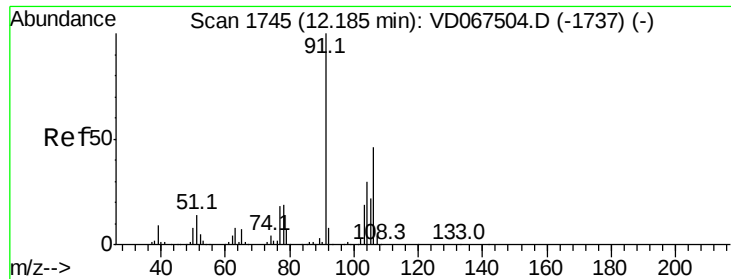
Tot Ion: 91 Resp: 285744
Ion Ratio Lower Upper
91 100
106 33.5 25.7 38.5



#68
m/p-Xylenes
Concen: 42.940 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 106 Resp: 229847
Ion Ratio Lower Upper
106 100
91 199.3 162.6 244.0

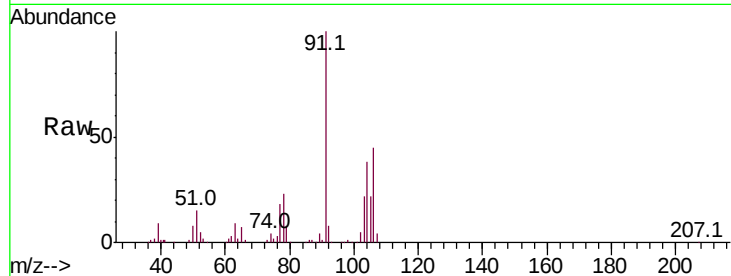




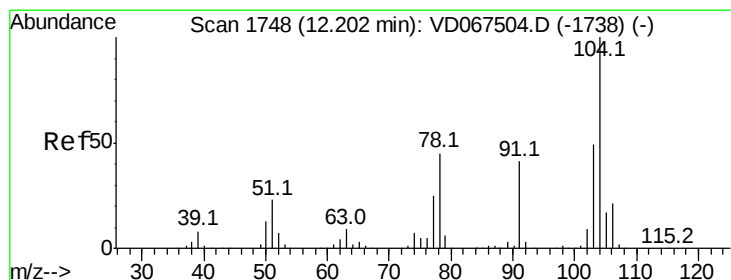
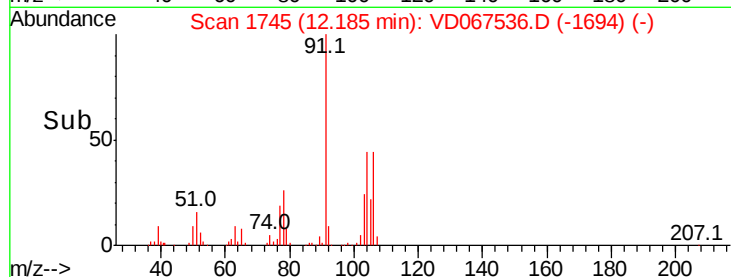
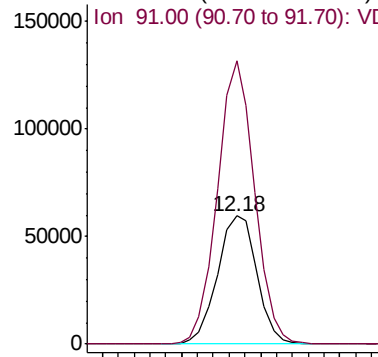
#69
o-Xylene
Concen: 21.622 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion:106 Resp: 103333
Ion Ratio Lower Upper
106 100
91 208.1 107.1 321.1

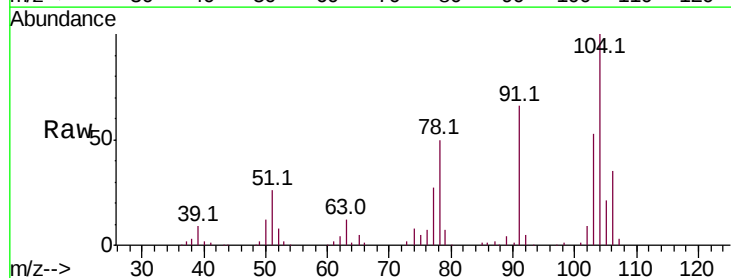


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

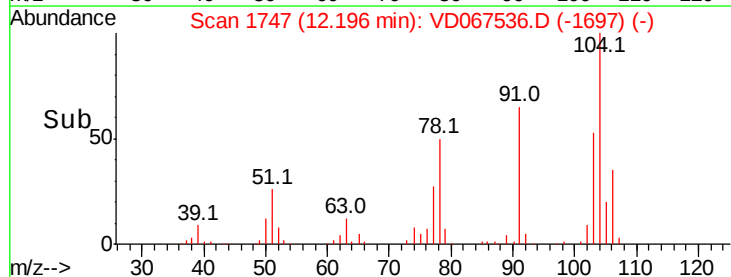
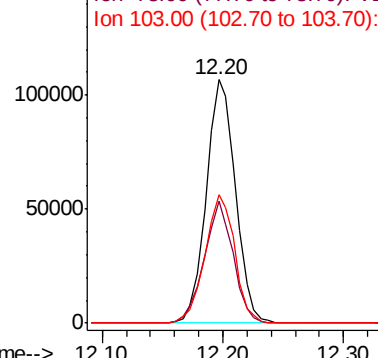


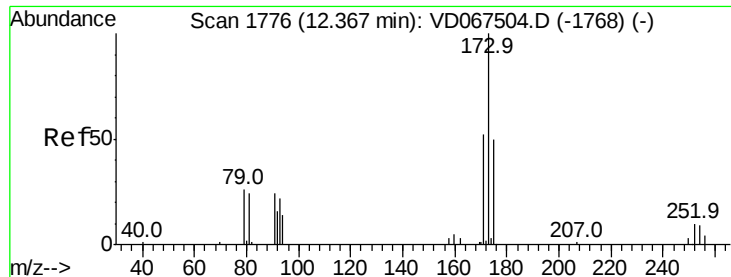
#70
Styrene
Concen: 21.587 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion:104 Resp: 179764
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.8
103 53.9 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VDC
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.481 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

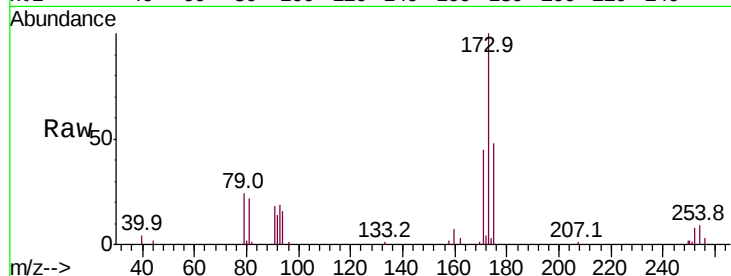
Tot Ion:173 Resp: 34717

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.2

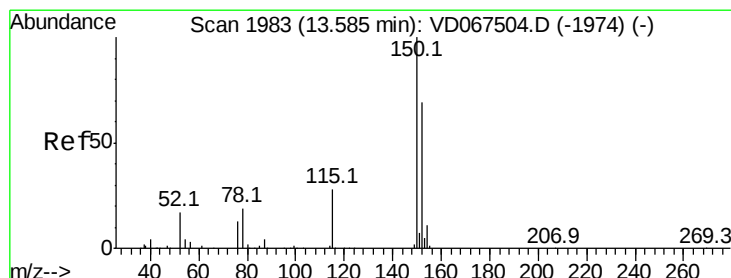
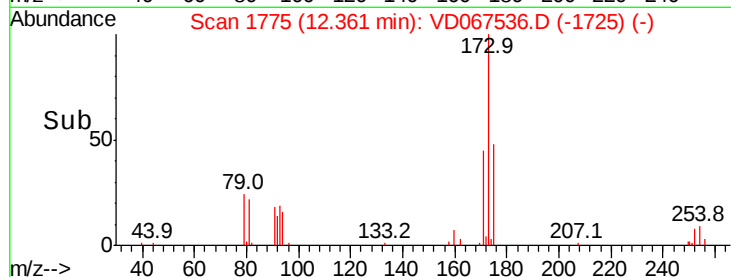
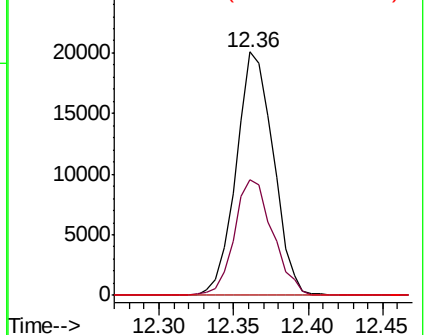
254 0.0 0.0 0.0



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: VD067536.D

Acq: 05 Nov 2020 11:25

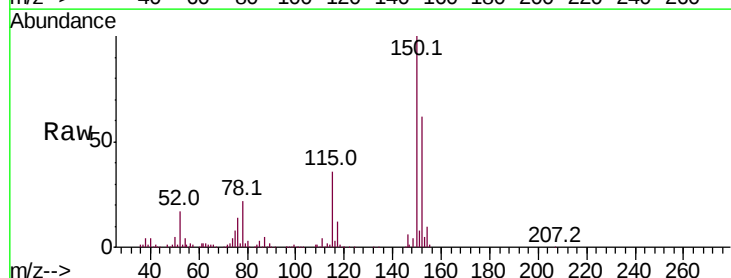
Tgt Ion:152 Resp: 209782

Ion Ratio Lower Upper

152 100

115 59.8 29.3 88.0

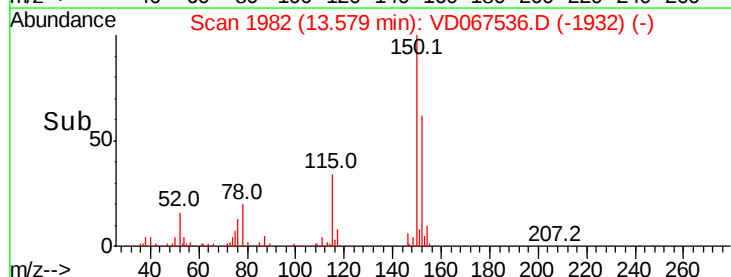
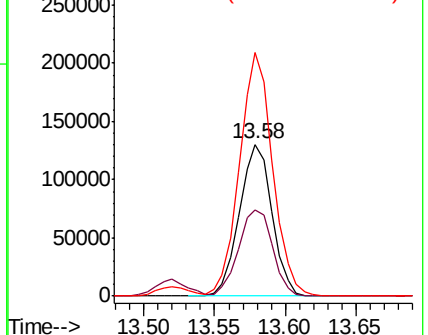
150 163.5 0.0 338.2

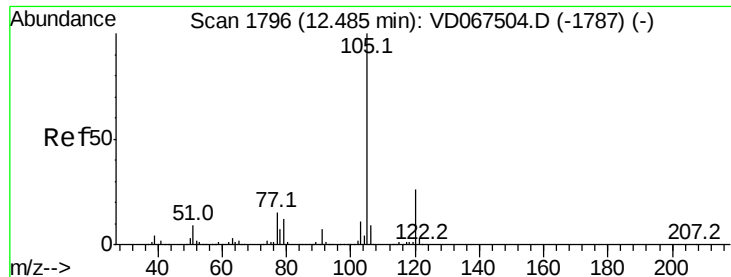


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.305 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

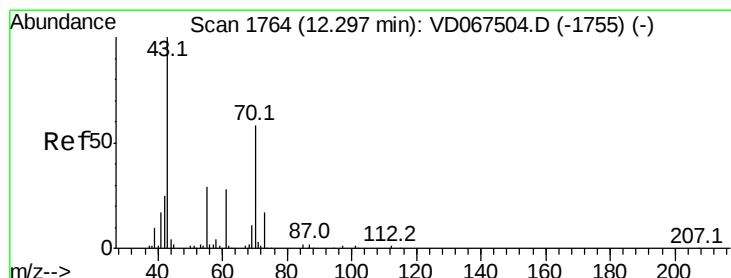
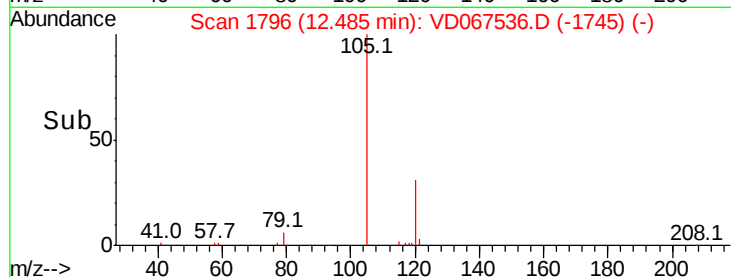
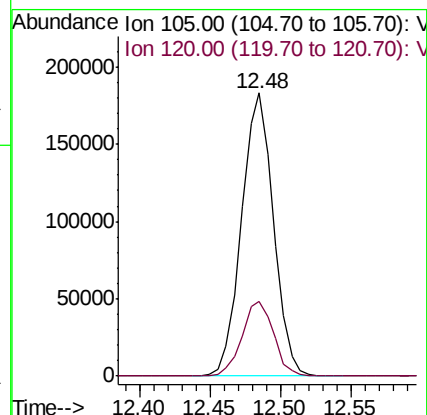
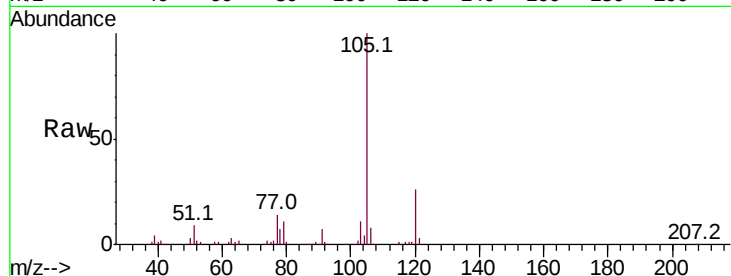
VD1105SBS01

Tot Ion:105 Resp: 288848

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 20.591 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Tgt Ion: 43 Resp: 36735

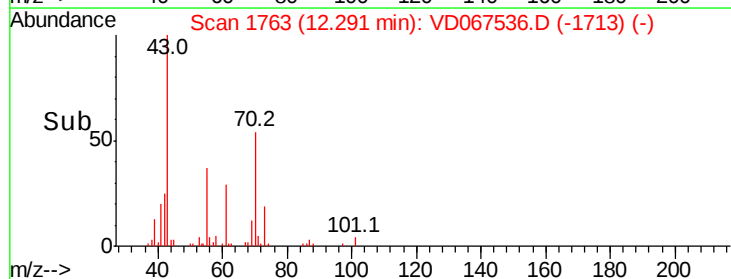
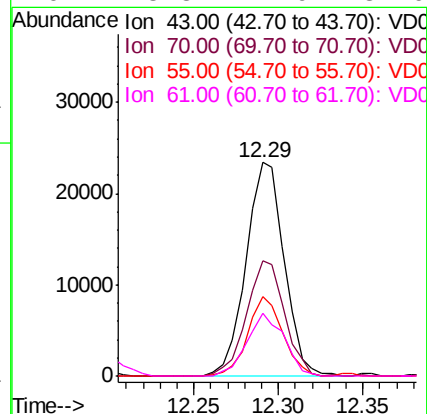
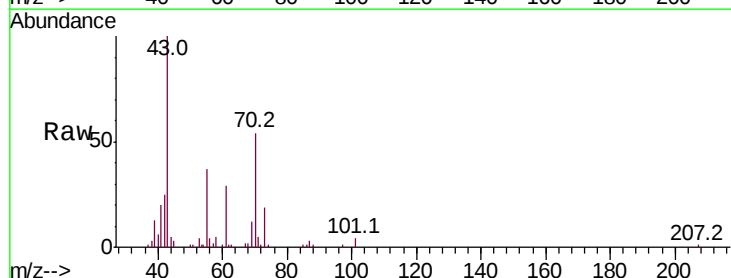
Ion Ratio Lower Upper

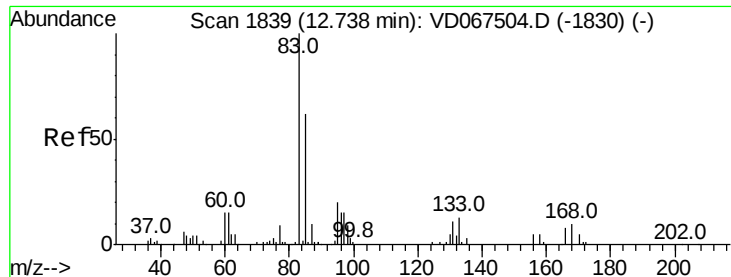
43 100

70 54.0 42.6 64.0

55 34.3 23.7 35.5

61 28.8 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 21.460 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

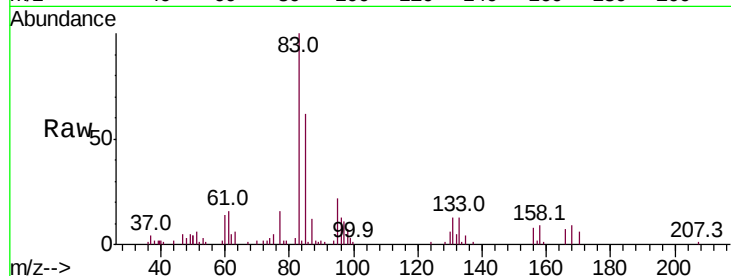
Tot Ion: 83 Resp: 39674

Ion Ratio Lower Upper

83 100

131 13.2 7.1 21.3

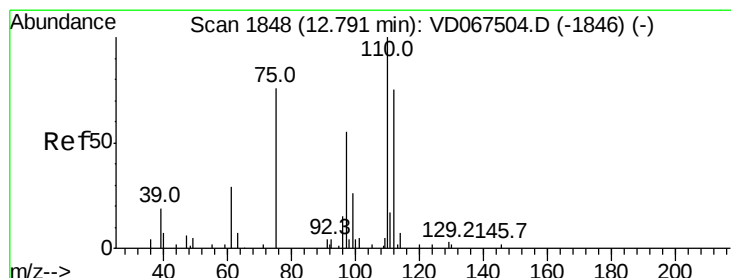
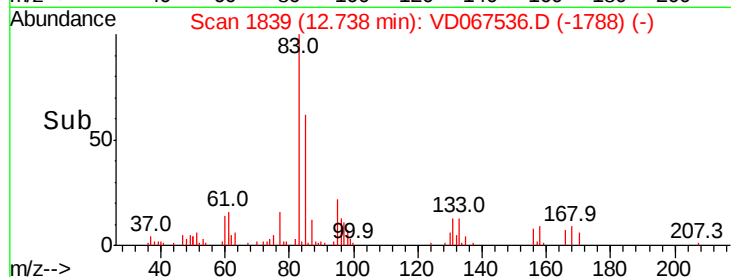
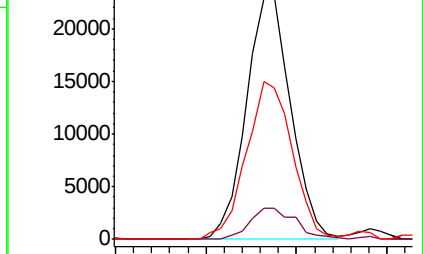
85 66.9 32.9 98.7



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: 44.039 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067536.D

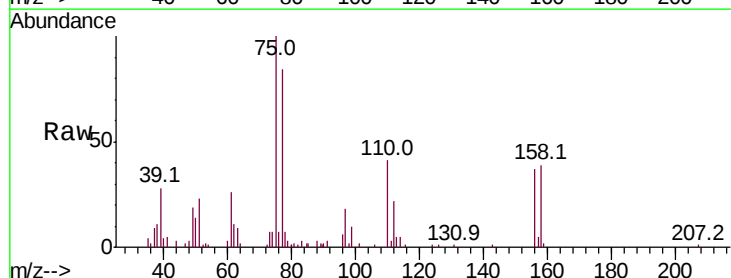
Acq: 05 Nov 2020 11:25

Tgt Ion: 75 Resp: 55732

Ion Ratio Lower Upper

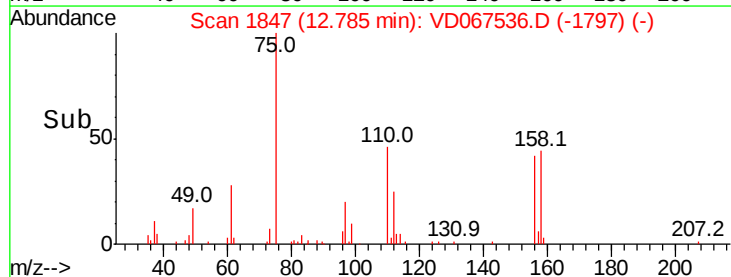
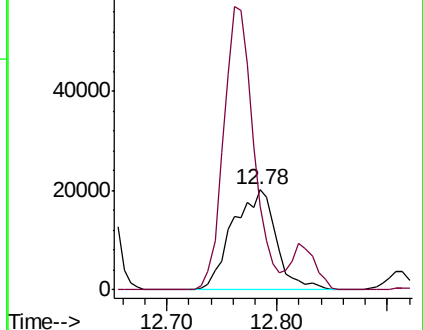
75 100

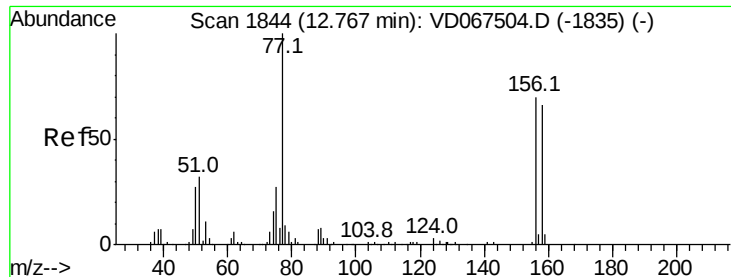
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.395 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

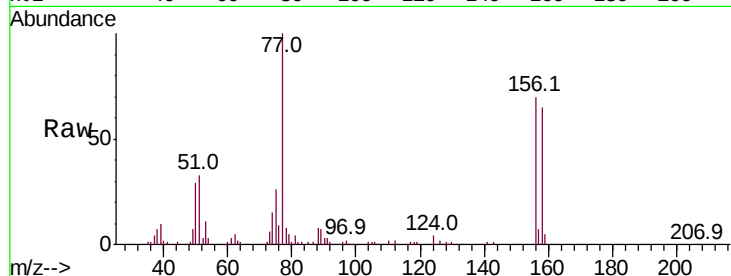
Tot Ion:156 Resp: 67907

Ion Ratio Lower Upper

156 100

77 160.9 77.8 233.5

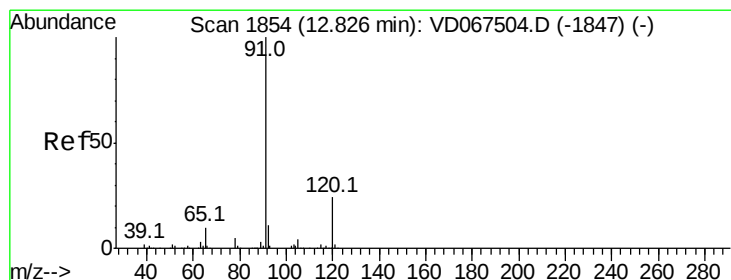
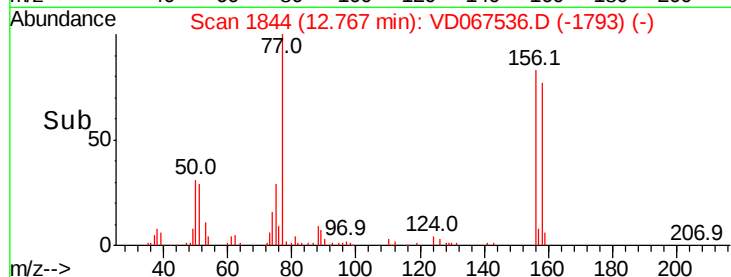
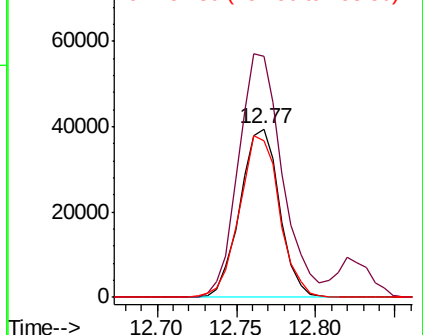
158 97.6 47.9 143.7



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: 21.065 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067536.D

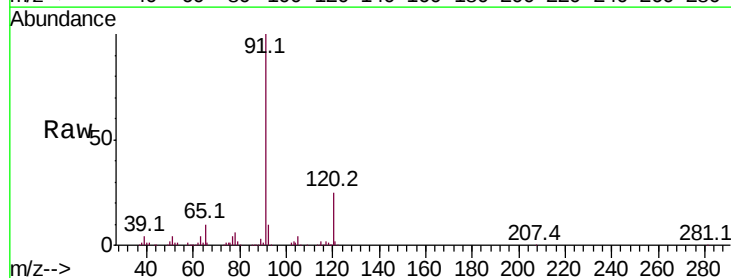
Acq: 05 Nov 2020 11:25

Tgt Ion: 91 Resp: 326678

Ion Ratio Lower Upper

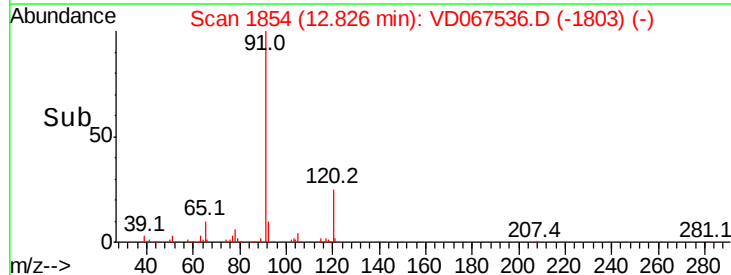
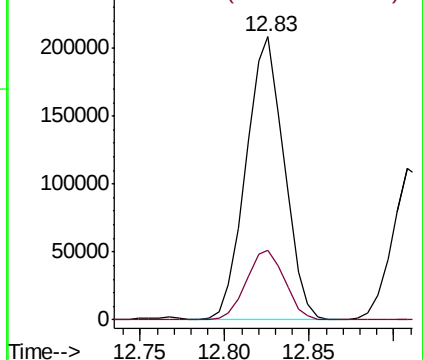
91 100

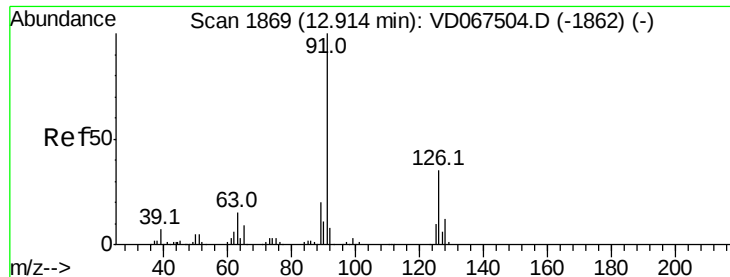
120 25.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.147 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

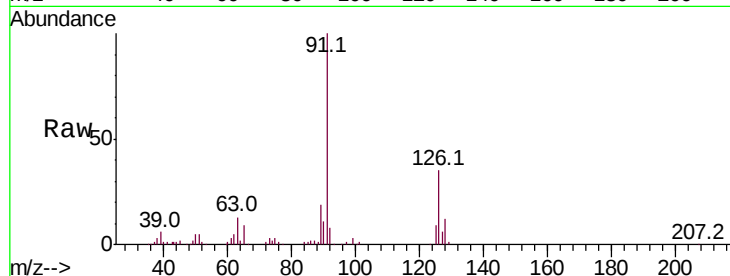
VD1105SBS01

Tot Ion: 91 Resp: 186288

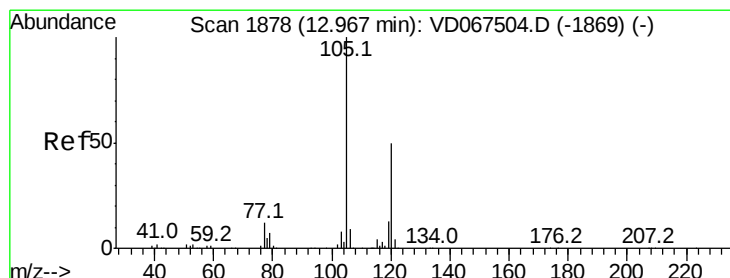
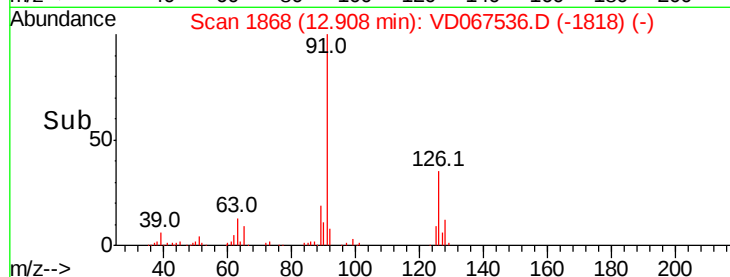
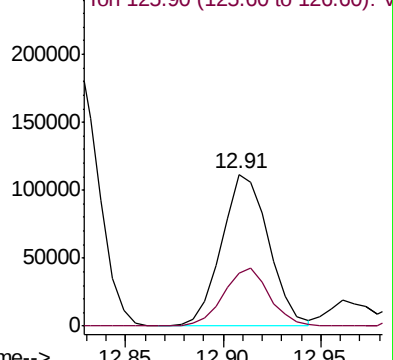
Ion Ratio Lower Upper

91 100

126 37.1 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.228 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067536.D

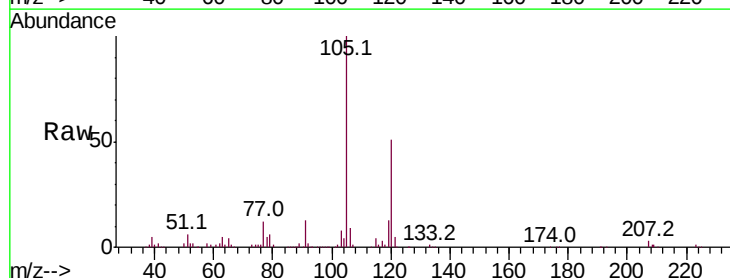
Acq: 05 Nov 2020 11:25

Tgt Ion:105 Resp: 245852

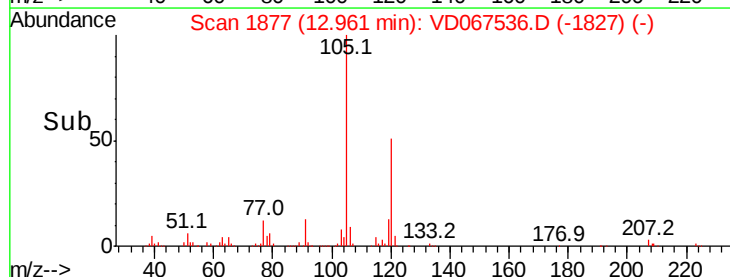
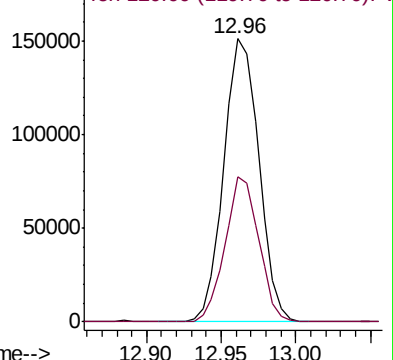
Ion Ratio Lower Upper

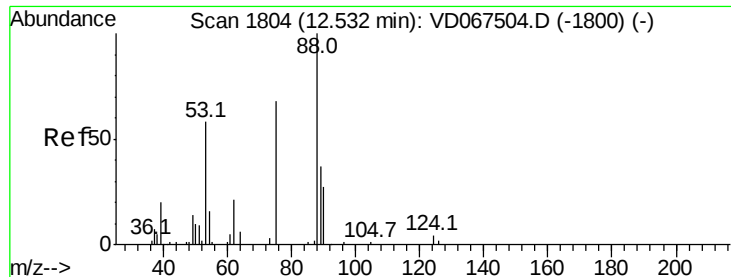
105 100

120 49.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.176 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBSD01

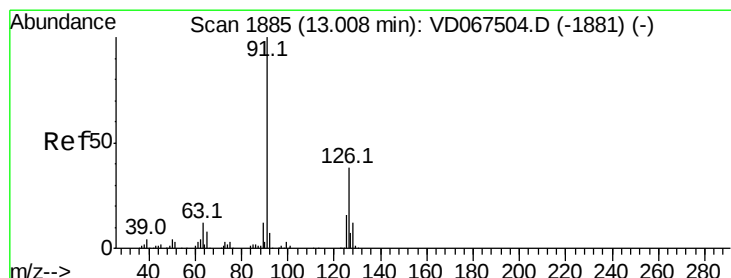
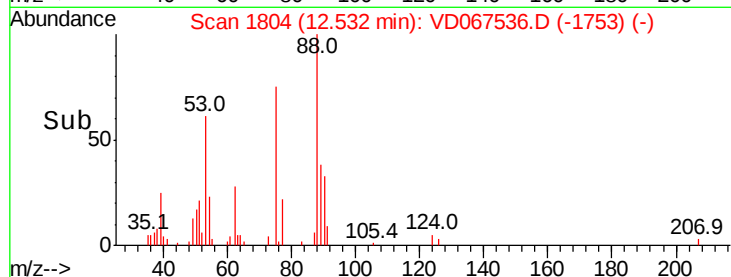
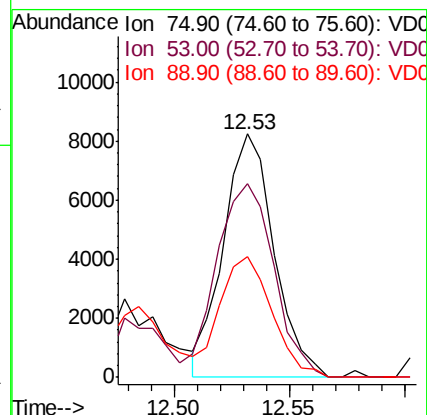
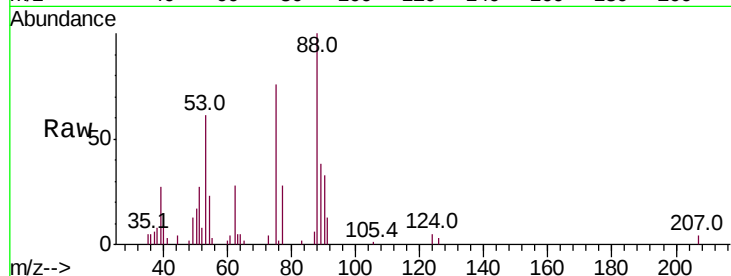
Tot Ion: 75 Resp: 12576

Ion Ratio Lower Upper

75 100

53 90.4 75.9 113.9

89 51.0 44.6 67.0



#82

4-Chlorotoluene

Concen: 21.723 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067536.D

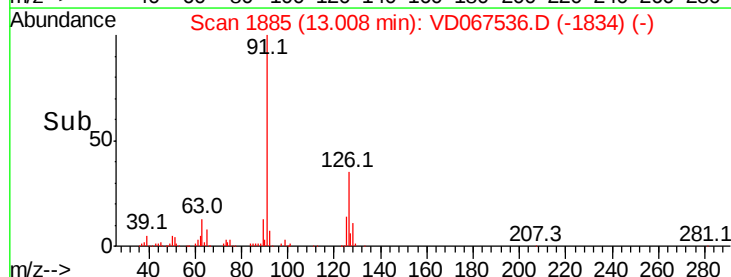
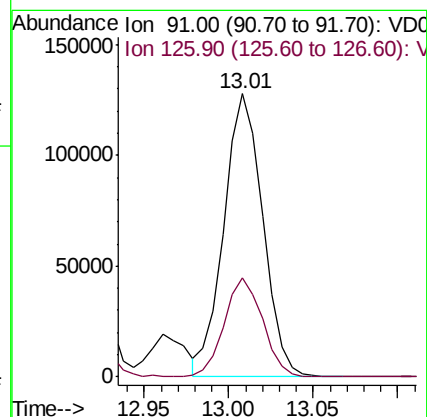
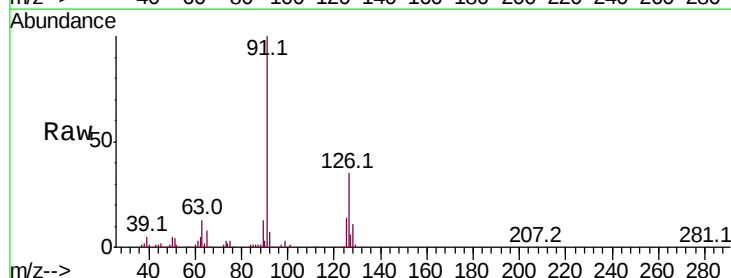
Acq: 05 Nov 2020 11:25

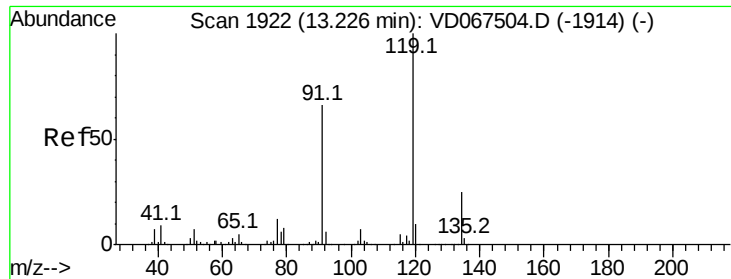
Tgt Ion: 91 Resp: 205240

Ion Ratio Lower Upper

91 100

126 34.6 17.9 53.7

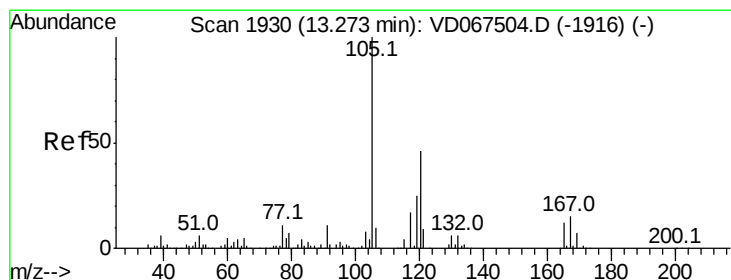
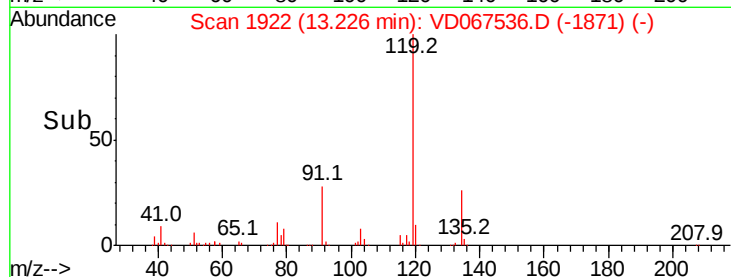
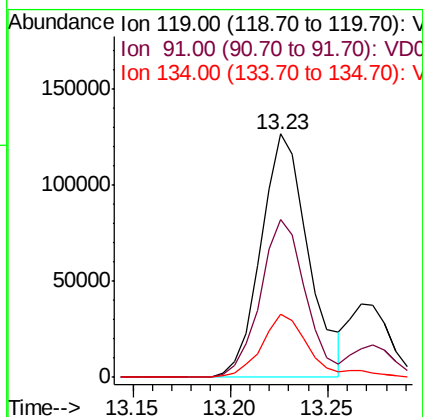
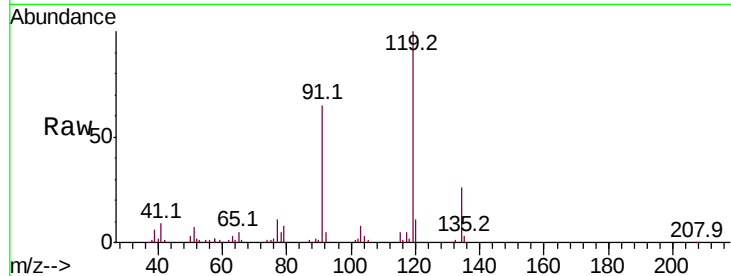




#83
tert-Butylbenzene
Concen: 21.658 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

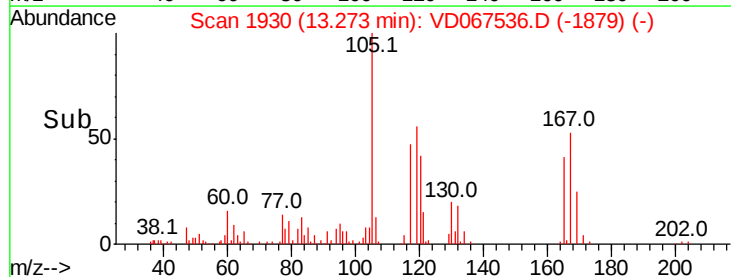
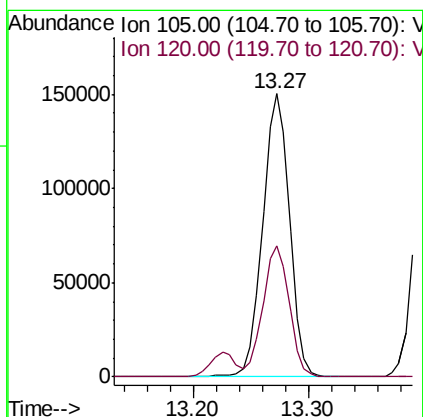
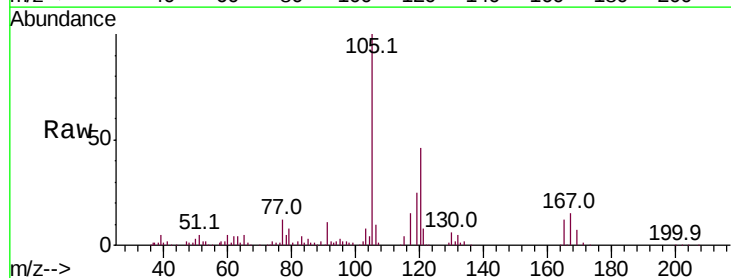
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

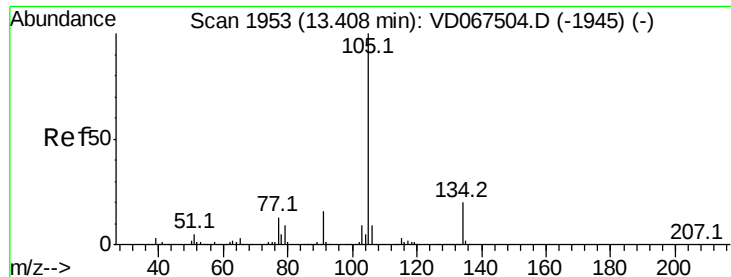
Tot Ion:119 Resp: 212590
Ion Ratio Lower Upper
119 100
91 62.1 32.7 98.1
134 26.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.175 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion:105 Resp: 244121
Ion Ratio Lower Upper
105 100
120 45.2 22.1 66.1





#85

sec-Butylbenzene

Concen: 21.473 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

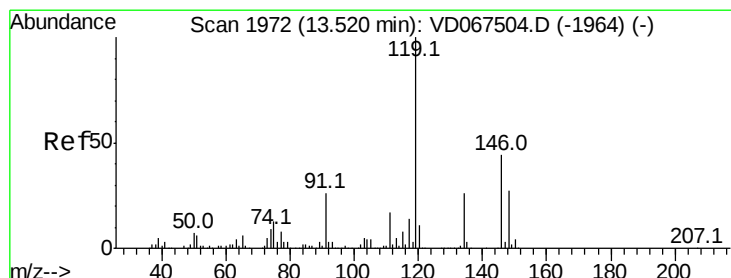
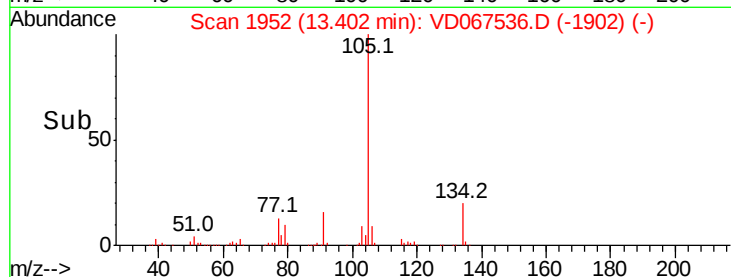
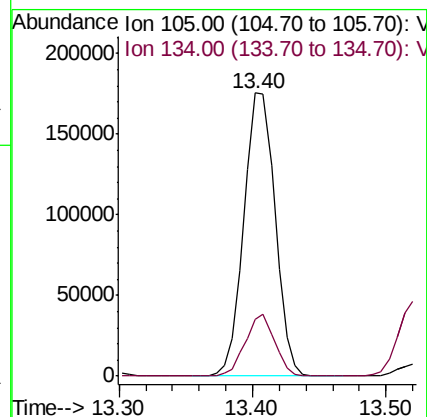
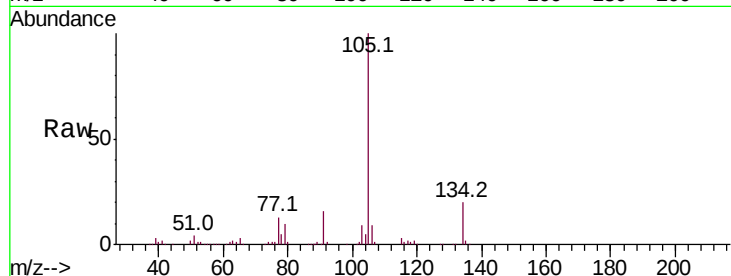
VD1105SBS01

Tot Ion:105 Resp: 284537

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 20.874 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

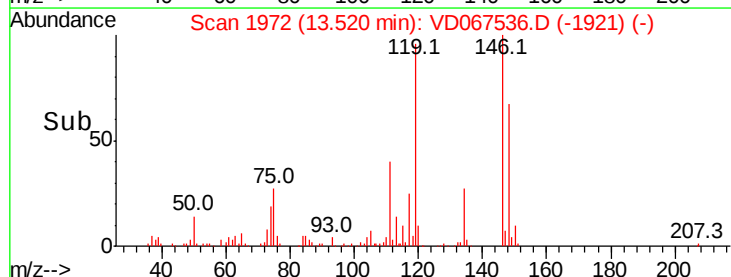
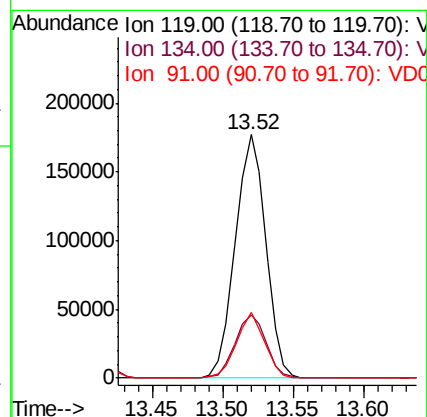
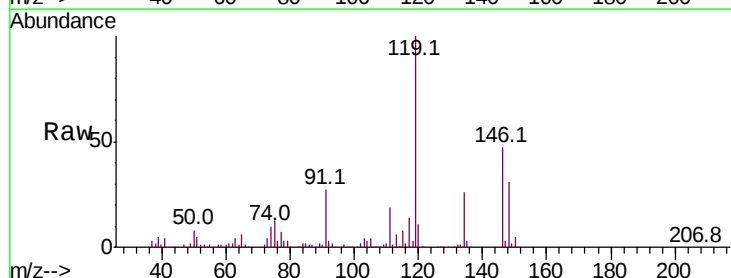
Tgt Ion:119 Resp: 267096

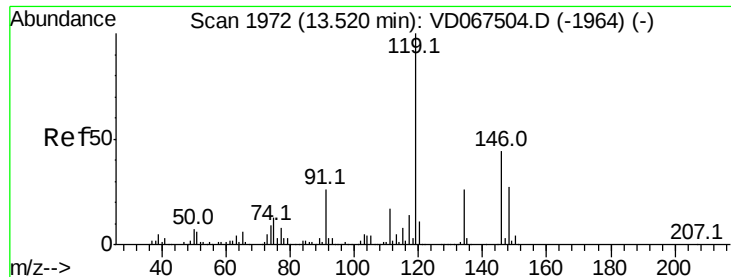
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.6 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 21.719 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

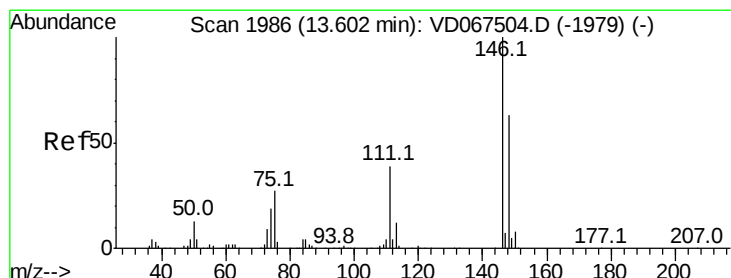
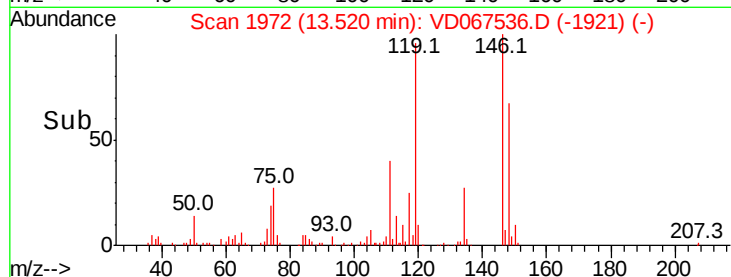
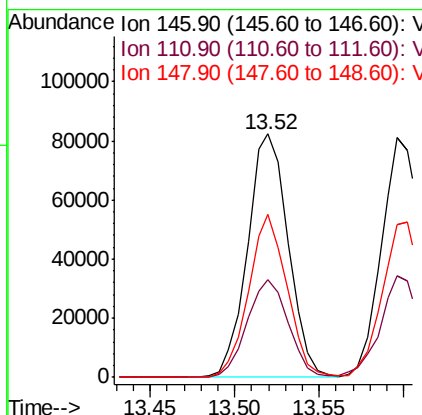
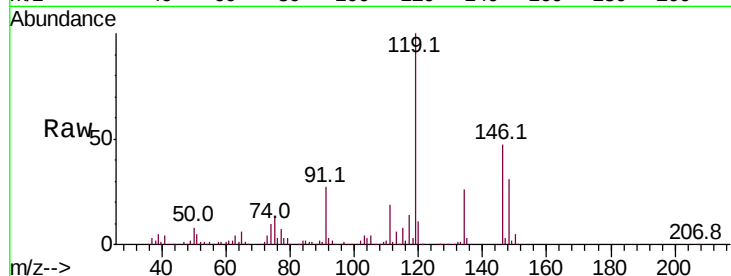
Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion:146 Resp: 137990

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.8
148	63.0	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 20.857 ug/l

RT: 13.60 min Scan# 1985

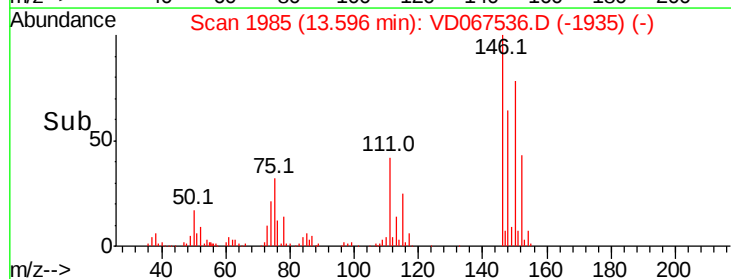
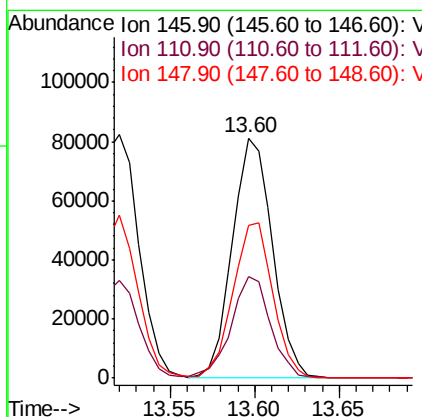
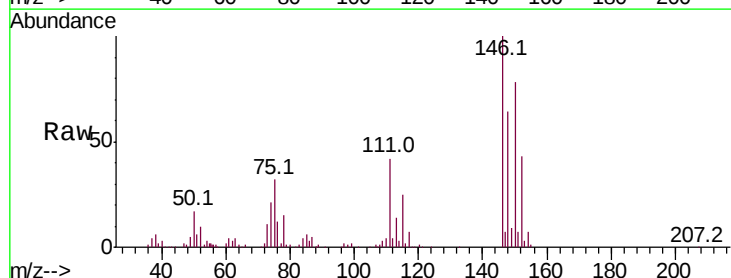
Delta R.T. -0.01 min

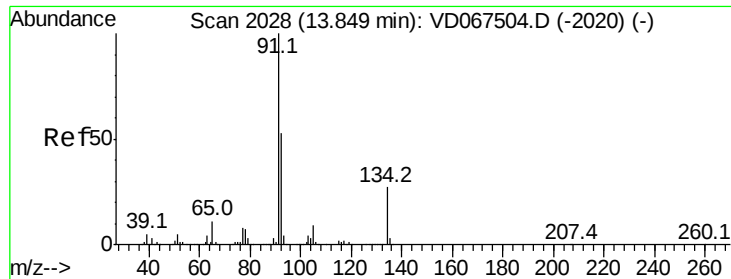
Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Tgt Ion:146 Resp: 134176

Ion	Ratio	Lower	Upper
146	100		
111	41.8	19.6	58.7
148	64.5	31.8	95.4

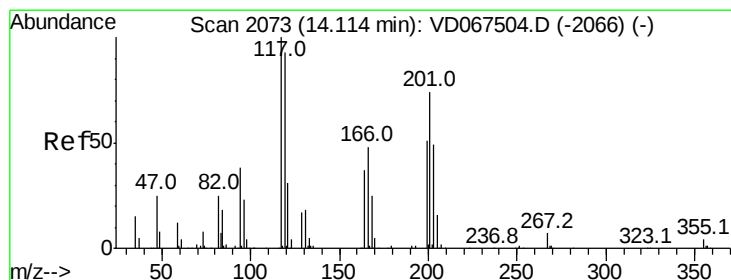
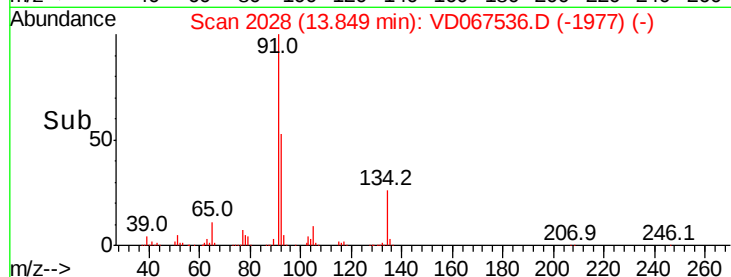
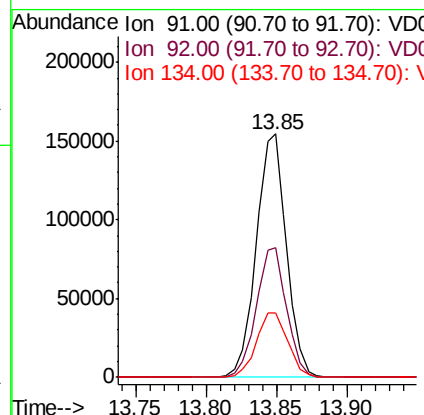
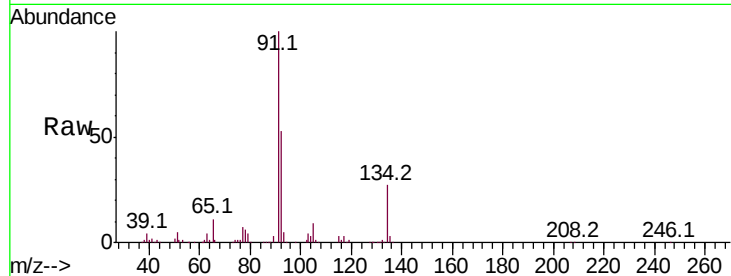




#89
n-Butylbenzene
Concen: 20.977 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

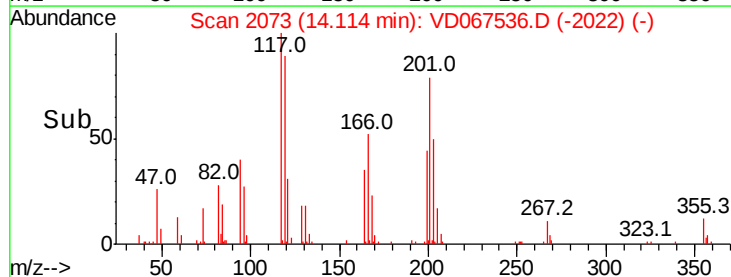
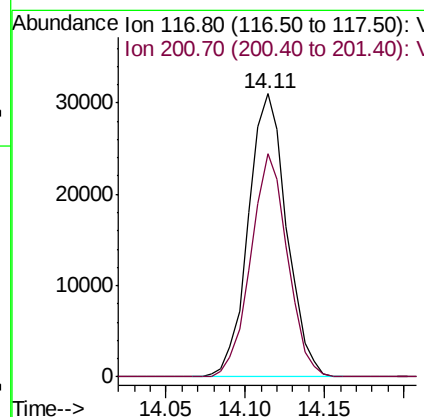
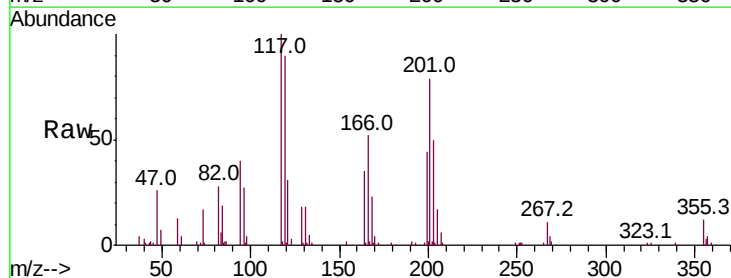
Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

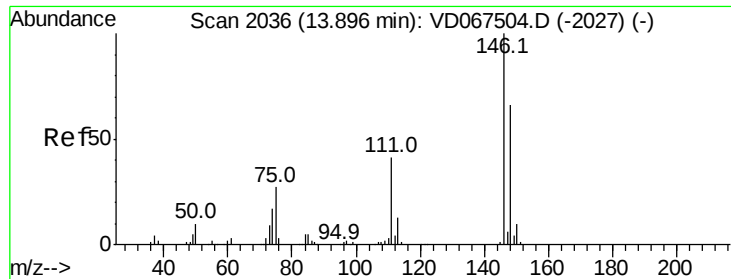
Tot Ion: 91 Resp: 231848
Ion Ratio Lower Upper
91 100
92 53.6 26.6 79.8
134 27.7 14.1 42.2



#90
Hexachloroethane
Concen: 21.638 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion: 117 Resp: 52141
Ion Ratio Lower Upper
117 100
201 75.5 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 21.239 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

Instrument :

MSVOA_D

ClientSampleId :

VD1105SBS01

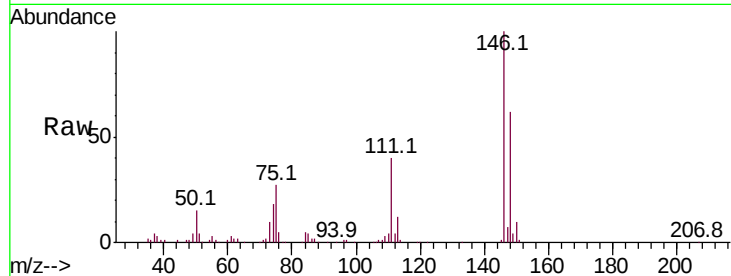
Tot Ion:146 Resp: 116784

Ion Ratio Lower Upper

146 100

111 41.6 20.7 62.1

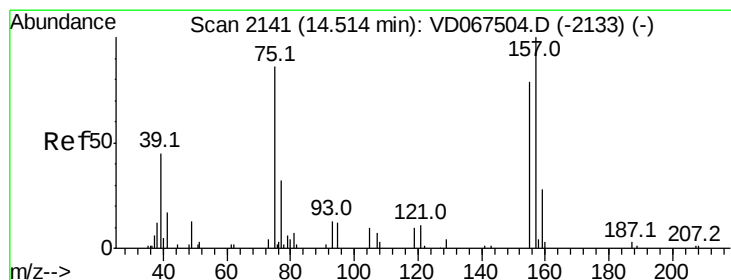
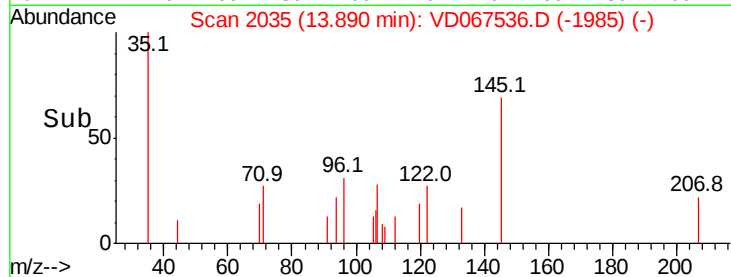
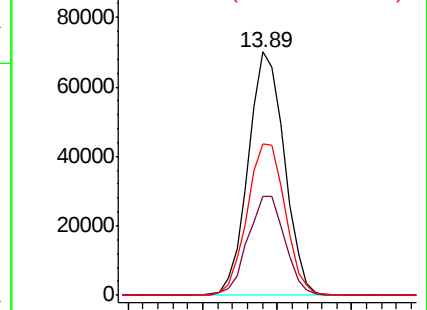
148 65.8 31.5 94.5



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: 23.814 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067536.D

Acq: 05 Nov 2020 11:25

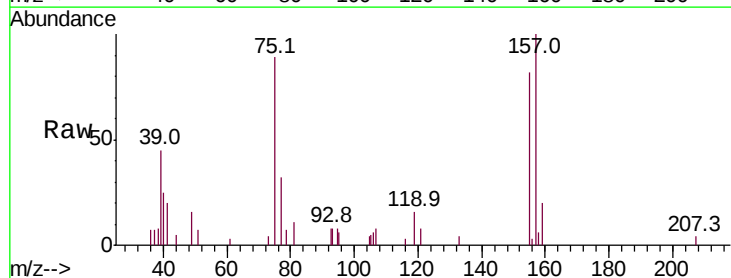
Tgt Ion: 75 Resp: 7795

Ion Ratio Lower Upper

75 100

155 89.5 46.6 139.8

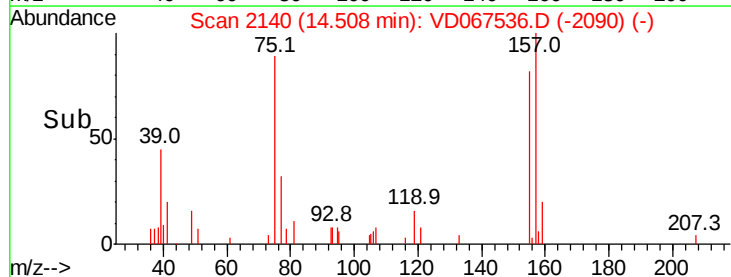
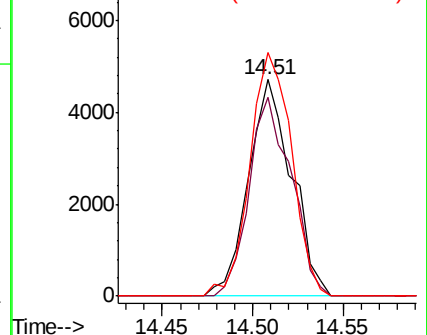
157 108.7 58.1 174.2

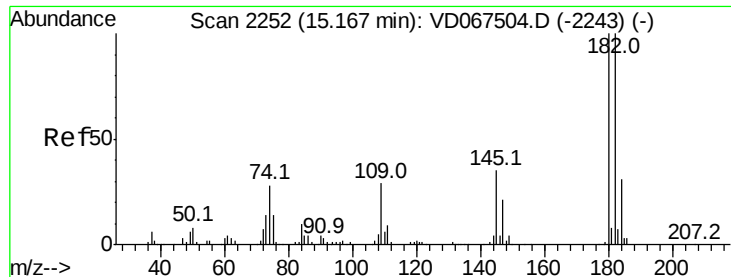


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

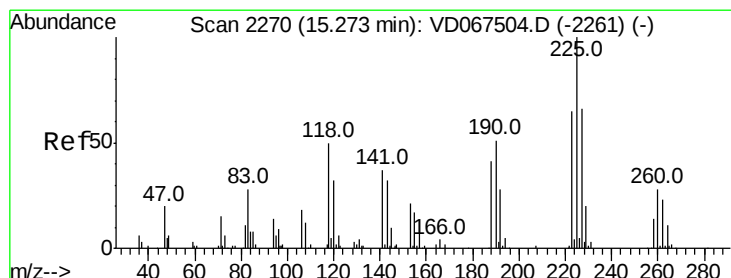
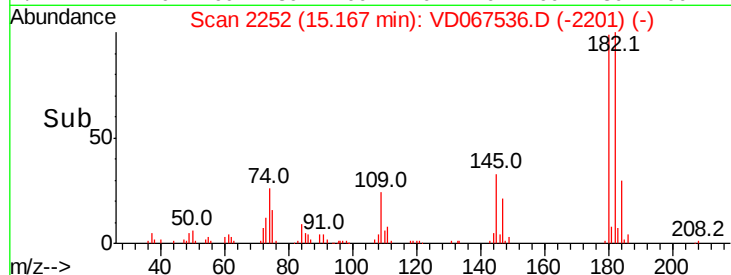
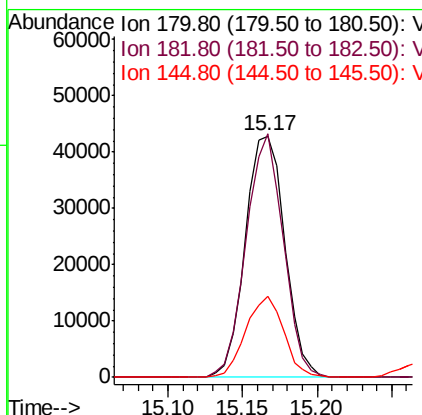
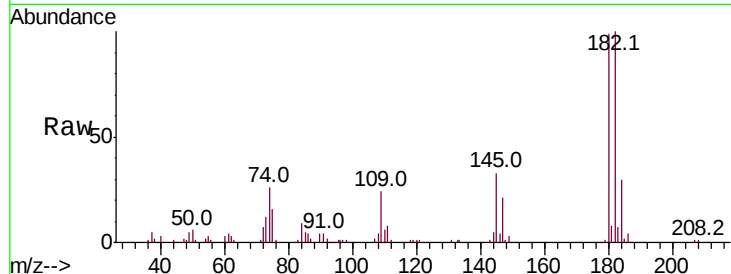




#93
 1,2,4-Trichlorobenzene
 Concen: 21.058 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

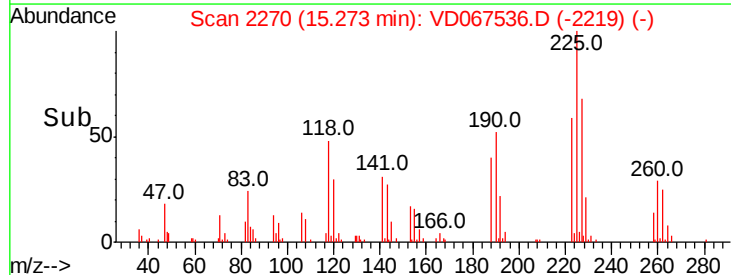
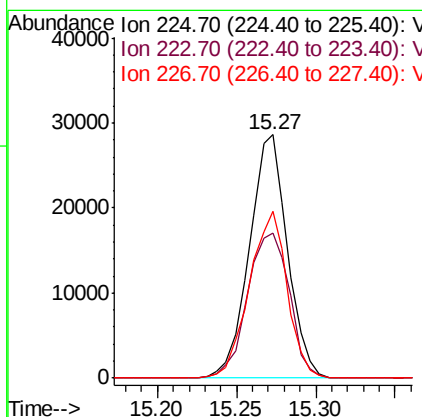
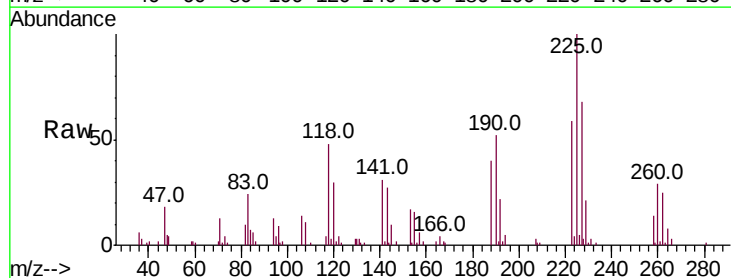
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1105SBSD01

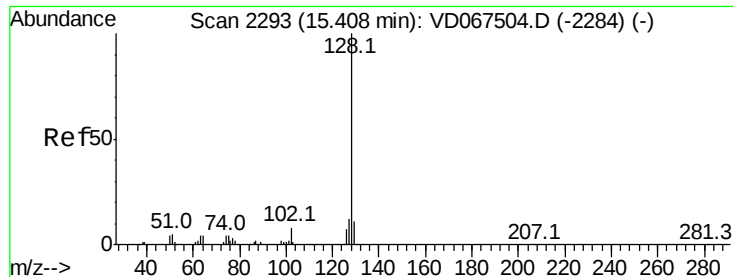
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.3
145	32.1	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 19.116 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067536.D
 Acq: 05 Nov 2020 11:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.8	31.9	95.5
227	68.2	32.5	97.4

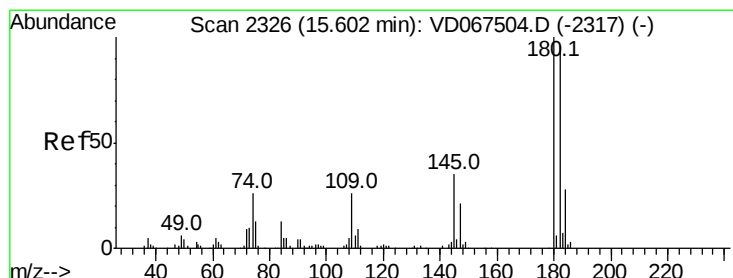
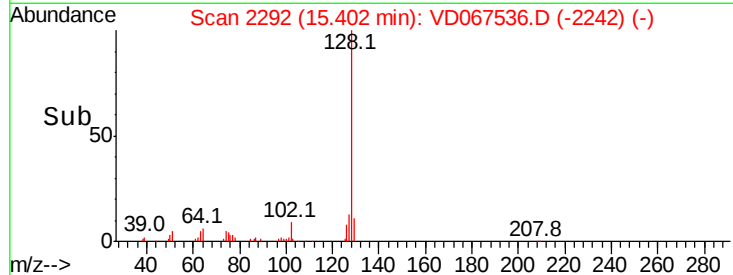
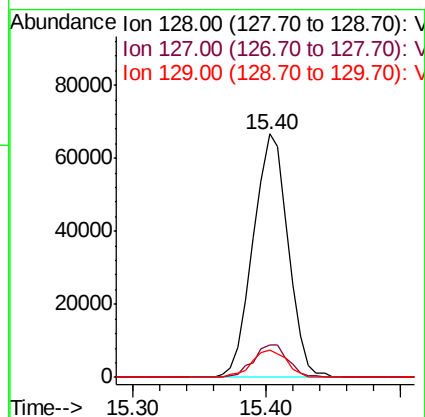
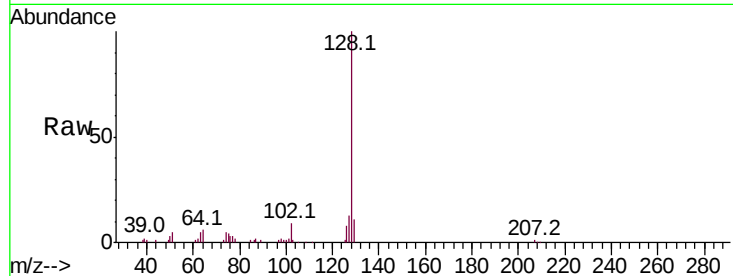




#95
Naphthalene
Concen: 20.935 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Instrument :
MSVOA_D
ClientSampleId :
VD1105SBSD01

Tot Ion:128 Resp: 120572
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.4
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 21.043 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067536.D
Acq: 05 Nov 2020 11:25

Tgt Ion:180 Resp: 67250
Ion Ratio Lower Upper
180 100
182 98.9 46.9 140.8
145 33.4 17.1 51.2

