

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067227.D
 Acq On : 12 Oct 2020 12:08
 Operator : VA/SY
 Sample : VW1012SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Quant Time: Oct 13 00:15:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	379477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	565759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	519974	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	266563	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	165363	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.91	113	180353	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	646761	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.64	95	236339	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79072	23.229	ug/l	96
3) Chloromethane	2.21	50	54967	18.188	ug/l	92
4) Vinyl Chloride	2.35	62	57402	18.943	ug/l	94
5) Bromomethane	2.76	94	41270	18.391	ug/l	86
6) Chloroethane	2.92	64	34205	18.535	ug/l	92
7) Trichlorofluoromethane	3.27	101	141249	20.980	ug/l	98
8) Diethyl Ether	3.71	74	32231	19.306	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	78319	20.582	ug/l	99
10) Methyl Iodide	4.30	142	66799	18.066	ug/l	98
11) Tert butyl alcohol	5.21	59	27868	101.169	ug/l #	86
12) 1,1-Dichloroethene	4.07	96	71132	19.885	ug/l	95
13) Acrolein	3.93	56	15695	64.128	ug/l	93
14) Allyl chloride	4.71	41	78931	16.985	ug/l	91
15) Acrylonitrile	5.42	53	55481	90.294	ug/l	98
16) Acetone	4.16	43	58259	104.415	ug/l	98
17) Carbon Disulfide	4.41	76	201725	18.375	ug/l	98
18) Methyl Acetate	4.72	43	25278	18.026	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	133116	20.384	ug/l	92
20) Methylene Chloride	4.97	84	79251	14.911	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	81065	19.913	ug/l	91
22) Diisopropyl ether	6.36	45	157312	18.542	ug/l	96
23) Vinyl Acetate	6.31	43	422415	87.864	ug/l #	92
24) 1,1-Dichloroethane	6.26	63	127960	19.543	ug/l	98
25) 2-Butanone	7.21	43	67810	85.721	ug/l	93
26) 2,2-Dichloropropane	7.21	77	125398	19.915	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	85752	19.723	ug/l	99
28) Bromochloromethane	7.54	49	41078	16.246	ug/l	86
29) Tetrahydrofuran	7.57	42	39670	87.216	ug/l	96
30) Chloroform	7.71	83	149027	20.982	ug/l	97
31) Cyclohexane	7.99	56	101451	18.482	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	140976	21.417	ug/l	97
36) 1,1-Dichloropropene	8.11	75	108912	20.653	ug/l	99
37) Ethyl Acetate	7.29	43	31910	17.467	ug/l #	78
38) Carbon Tetrachloride	8.10	117	132906	23.293	ug/l	94

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Instrument :
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Quant Time: Oct 13 00:15:09 2020
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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	115867	20.782	ug/l	90
40) Benzene	8.35	78	301130	20.559	ug/l	95
41) Methacrylonitrile	7.56	41	40892	41.432	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	87314	21.333	ug/l	98
43) Isopropyl Acetate	8.45	43	63259	18.796	ug/l	95
44) Trichloroethene	9.11	130	93240	21.318	ug/l	100
45) 1,2-Dichloropropane	9.38	63	68808	19.993	ug/l	100
46) Dibromomethane	9.47	93	40297	20.372	ug/l	93
47) Bromodichloromethane	9.66	83	110448	21.480	ug/l	94
48) Methyl methacrylate	9.46	41	30122	17.470	ug/l #	76
49) 1,4-Dioxane	9.46	88	7793	377.484	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	155336	92.663	ug/l	99
52) Toluene	10.40	92	206414	21.876	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	98071	21.341	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115277	20.543	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	58087	21.122	ug/l	95
56) Ethyl methacrylate	10.66	69	59450	20.938	ug/l	94
57) 1,3-Dichloropropane	10.95	76	92360	20.710	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	161574	102.242	ug/l	98
59) 2-Hexanone	10.98	43	107157	95.772	ug/l	95
60) Dibromochloromethane	11.14	129	80733	22.026	ug/l	97
61) 1,2-Dibromoethane	11.25	107	56643	21.439	ug/l	100
64) Tetrachloroethene	10.88	164	84893	22.457	ug/l	96
65) Chlorobenzene	11.67	112	220614	21.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	88097	22.395	ug/l	98
67) Ethyl Benzene	11.75	91	389523	21.983	ug/l	100
68) m/p-Xylenes	11.86	106	305396	44.225	ug/l	97
69) o-Xylene	12.18	106	137642	22.289	ug/l	98
70) Styrene	12.20	104	239377	22.575	ug/l	100
71) Bromoform	12.37	173	45832	22.445	ug/l #	96
73) Isopropylbenzene	12.48	105	388767	21.479	ug/l	100
74) N-amyl acetate	12.29	43	57332	17.620	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57316	18.795	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	77273	33.281	ug/l #	100
77) Bromobenzene	12.77	156	94351	21.588	ug/l	93
78) n-propylbenzene	12.83	91	450045	21.039	ug/l	99
79) 2-Chlorotoluene	12.91	91	260871	21.315	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	336928	22.032	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18654	20.030	ug/l	96
82) 4-Chlorotoluene	13.01	91	274614	21.089	ug/l	100
83) tert-Butylbenzene	13.23	119	278419	21.620	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	330356	21.647	ug/l	98
85) sec-Butylbenzene	13.41	105	384611	21.208	ug/l	97
86) p-Isopropyltoluene	13.53	119	357474	21.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	176067	20.682	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	179672	21.108	ug/l	100
89) n-Butylbenzene	13.85	91	320414	20.852	ug/l	99
90) Hexachloroethane	14.12	117	60608	20.579	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	155223	20.878	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9821	19.978	ug/l	97

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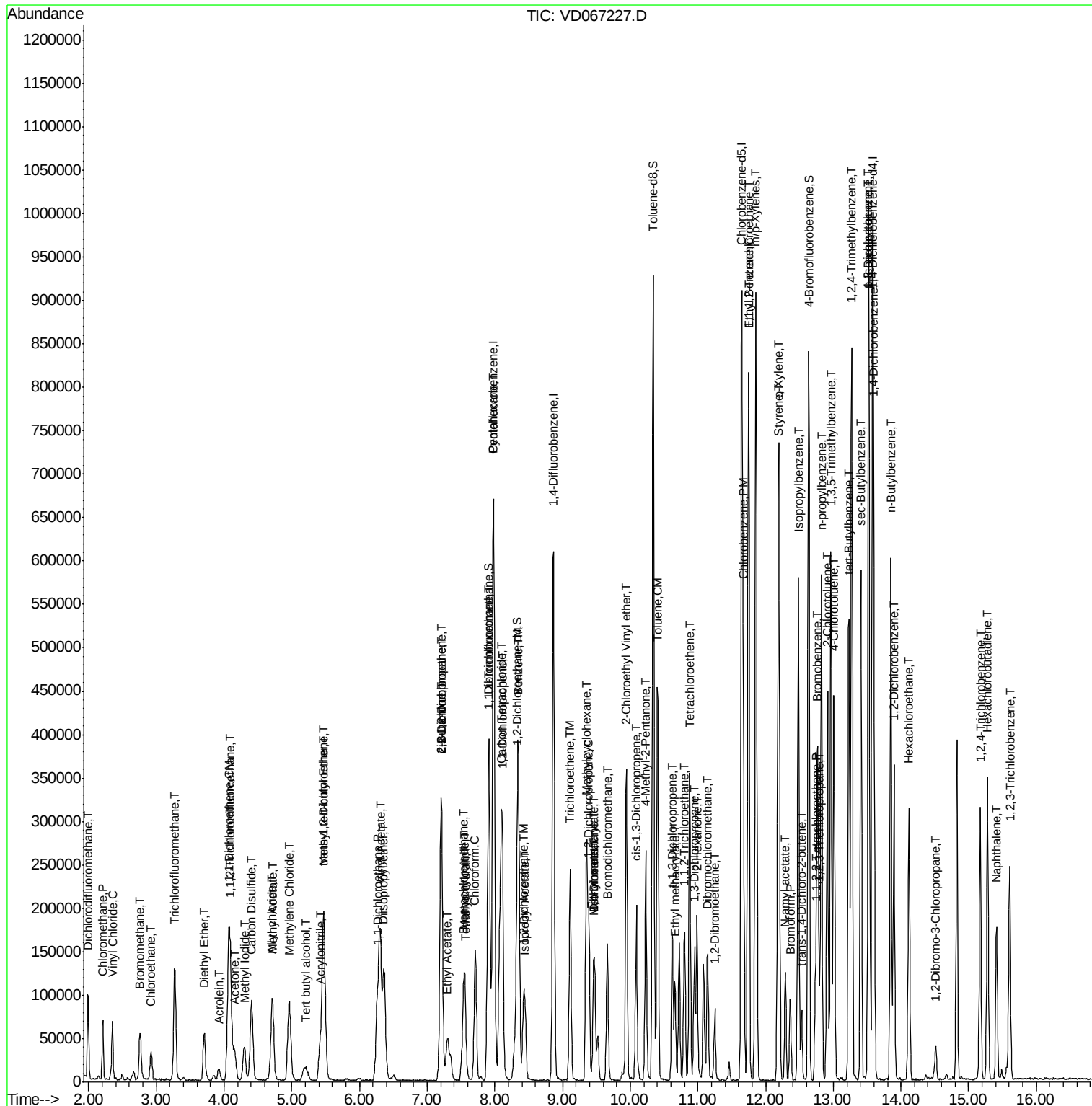
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

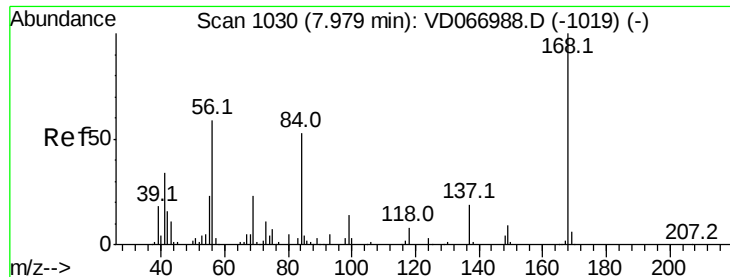
Quant Time: Oct 13 00:15:09 2020
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	106167	22.077	ug/l	98
94) Hexachlorobutadiene	15.28	225	66747	22.600	ug/l	99
95) Naphthalene	15.41	128	160521	20.012	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	91921	22.019	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

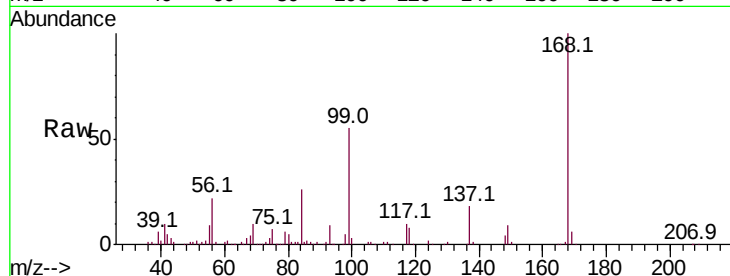
VD1012SBS01

Tot Ion:168 Resp: 379477

Ion Ratio Lower Upper

168 100

99 54.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

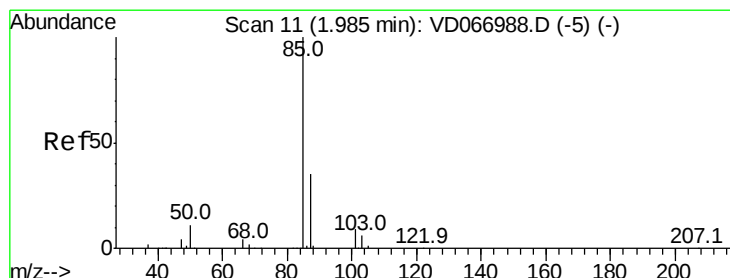
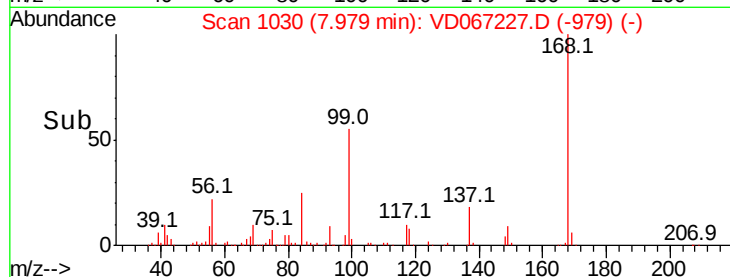
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.229 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067227.D

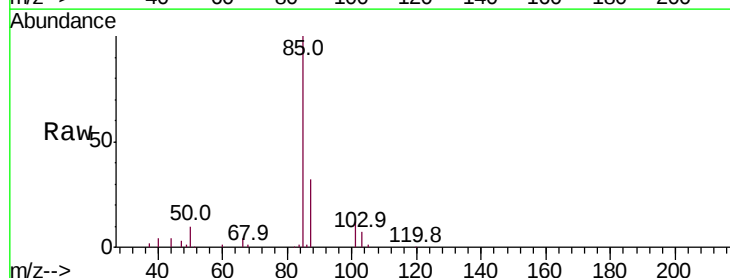
Acq: 12 Oct 2020 12:08

Tgt Ion: 85 Resp: 79072

Ion Ratio Lower Upper

85 100

87 32.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

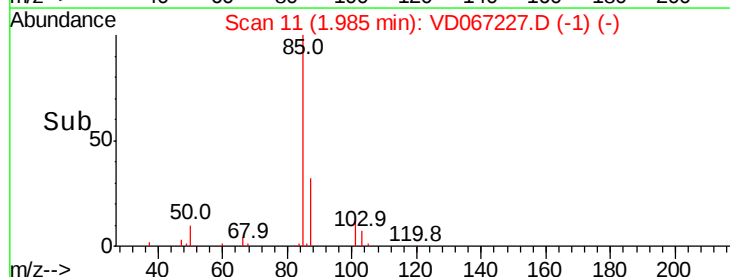
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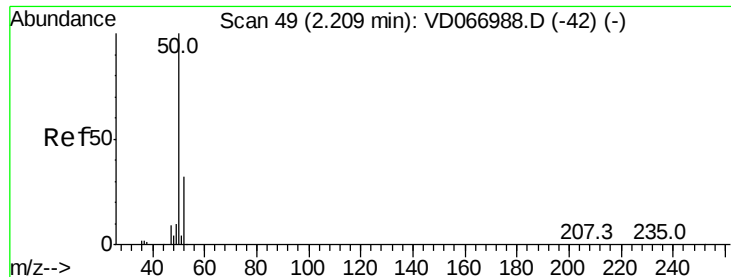
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.188 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

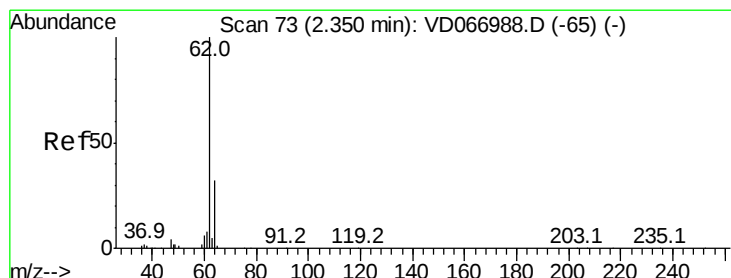
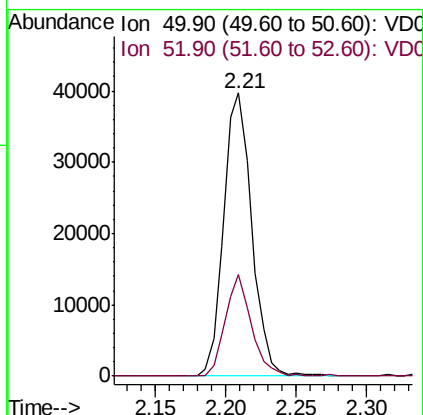
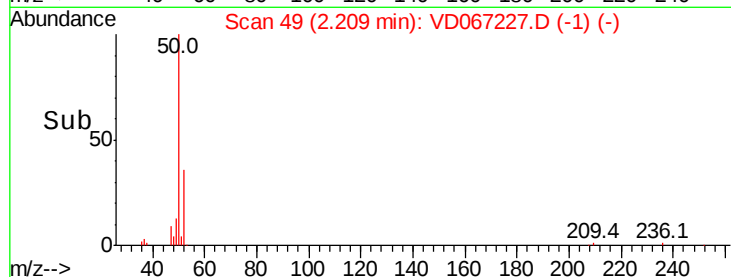
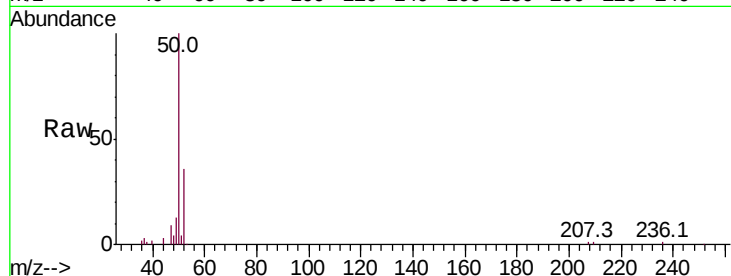
VD1012SBS01

Tot Ion: 50 Resp: 54967

Ion Ratio Lower Upper

50 100

52 35.9 25.3 37.9



#4

Vinyl Chloride

Concen: 18.943 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067227.D

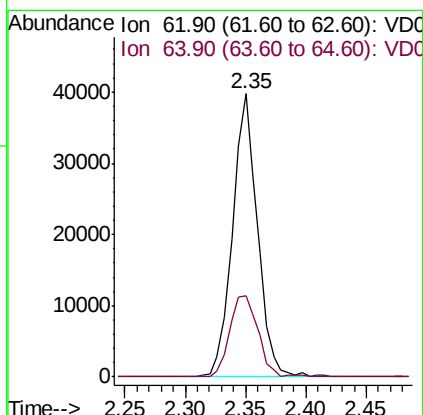
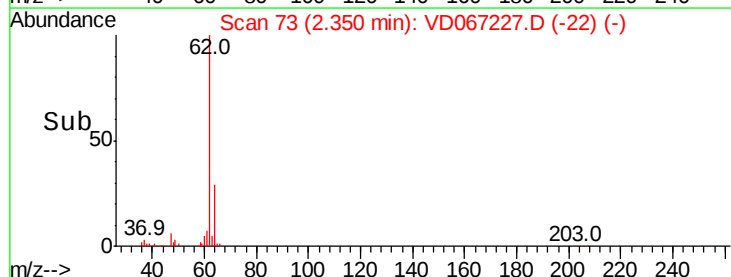
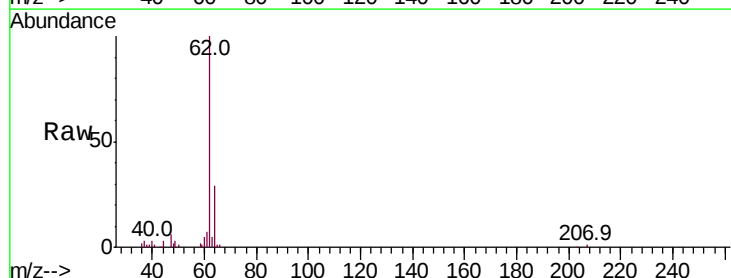
Acq: 12 Oct 2020 12:08

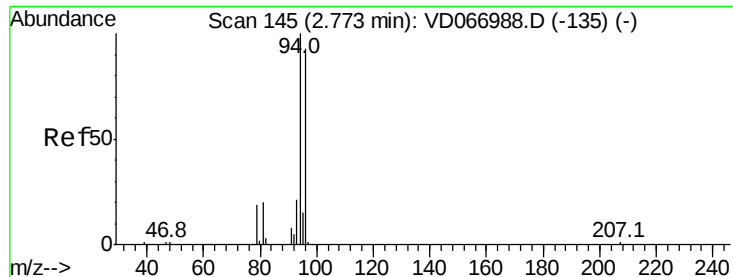
Tgt Ion: 62 Resp: 57402

Ion Ratio Lower Upper

62 100

64 28.7 25.8 38.8





#5

Bromomethane

Concen: 18.391 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

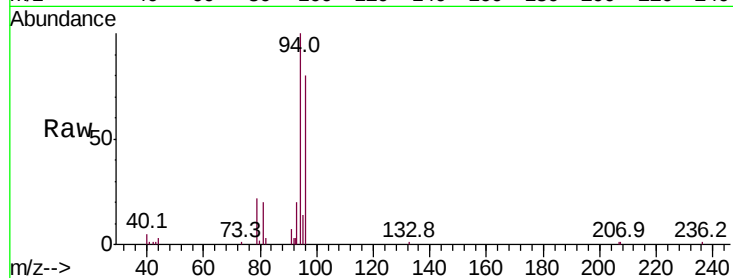
VD1012SBS01

Tot Ion: 94 Resp: 41270

Ion Ratio Lower Upper

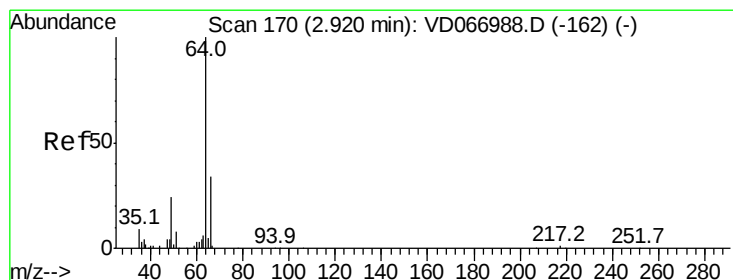
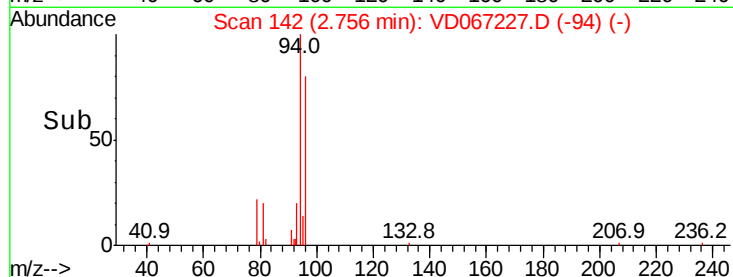
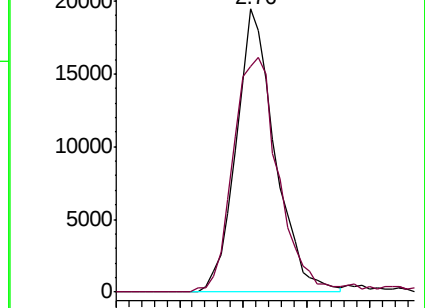
94 100

96 79.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.535 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067227.D

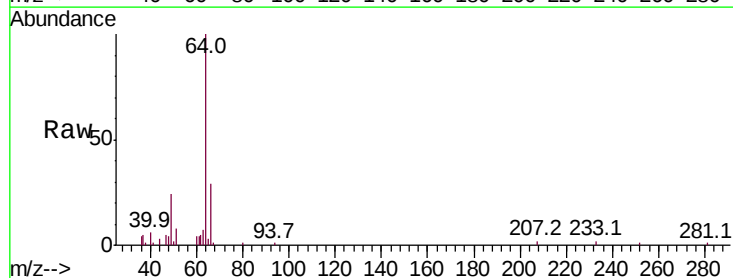
Acq: 12 Oct 2020 12:08

Tgt Ion: 64 Resp: 34205

Ion Ratio Lower Upper

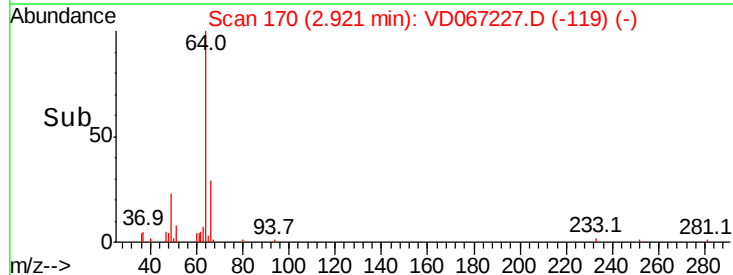
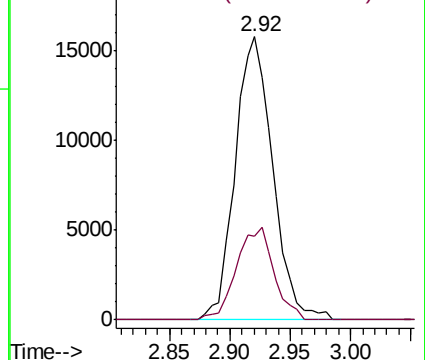
64 100

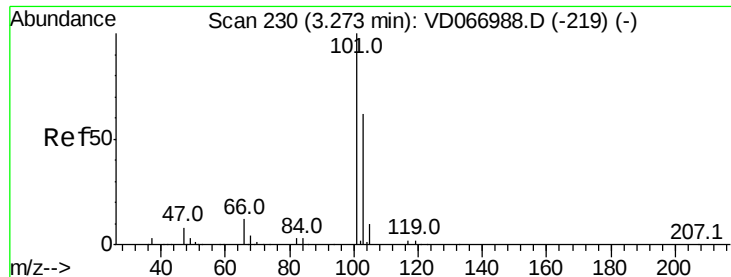
66 29.4 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



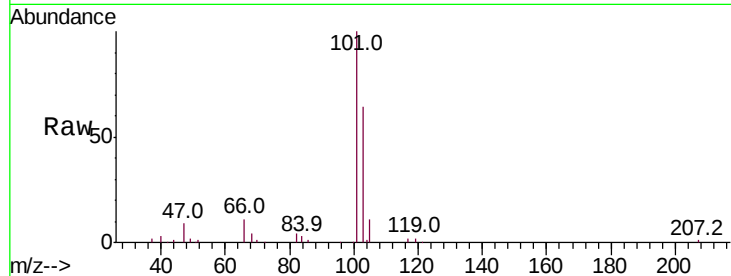


#7

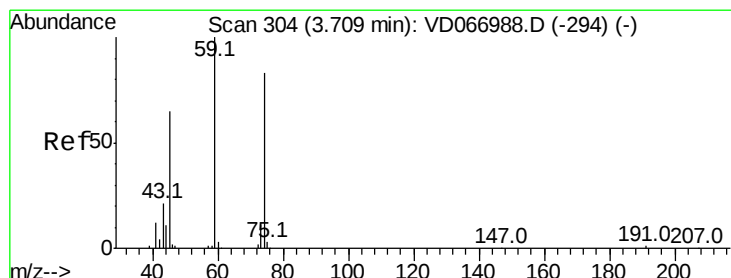
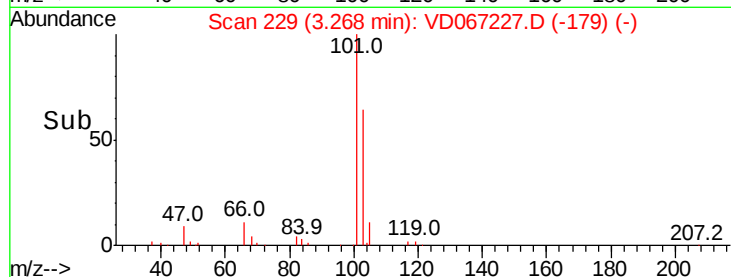
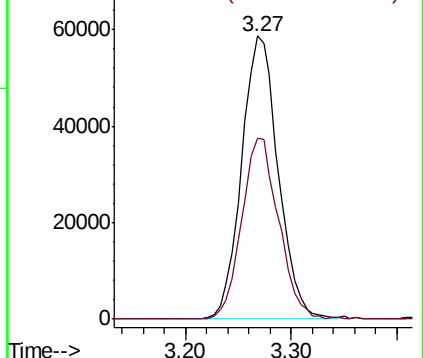
Trichlorofluoromethane
Concen: 20.980 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

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VD1012SBS01

Tot Ion:101 Resp: 141249
Ion Ratio Lower Upper
101 100
103 64.1 49.8 74.8



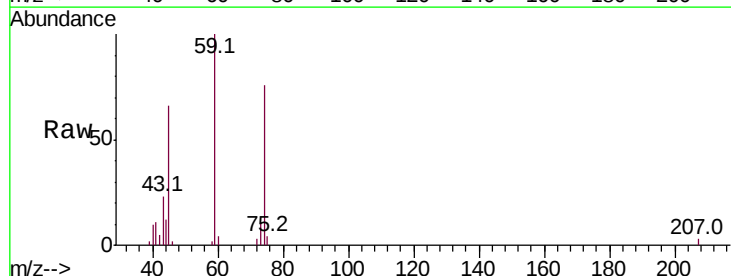
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



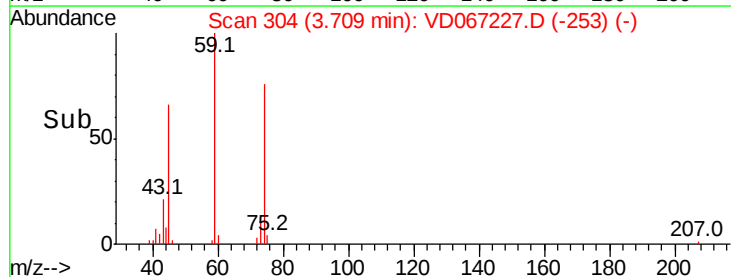
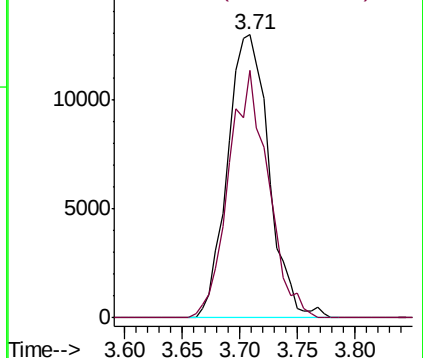
#8

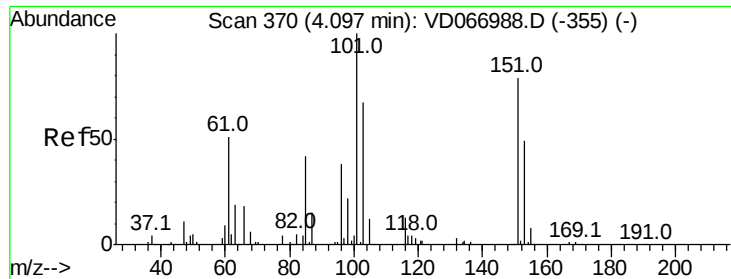
Diethyl Ether
Concen: 19.306 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 74 Resp: 32231
Ion Ratio Lower Upper
74 100
45 83.4 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.582 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

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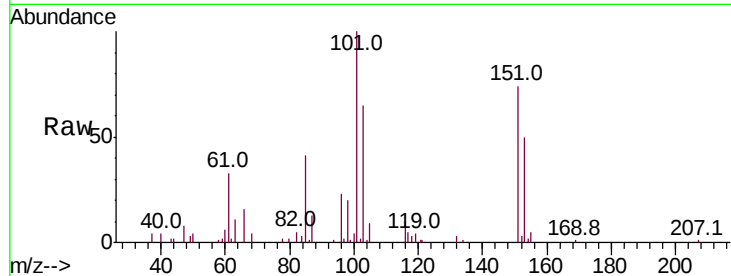
Tot Ion:101 Resp: 78319

Ion Ratio Lower Upper

101 100

85 41.4 33.8 50.8

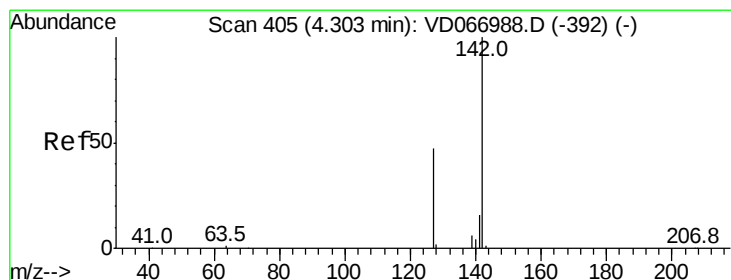
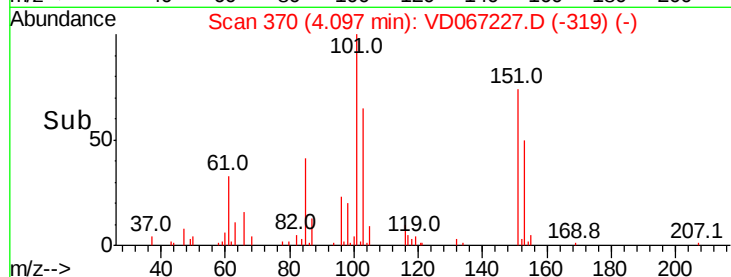
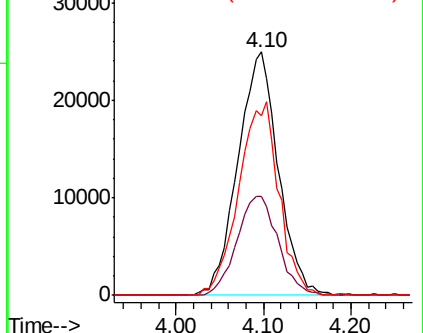
151 78.8 63.8 95.8



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: 18.066 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

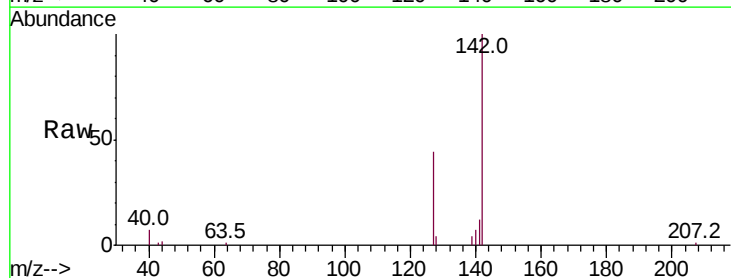
Tgt Ion:142 Resp: 66799

Ion Ratio Lower Upper

142 100

127 47.0 36.3 54.5

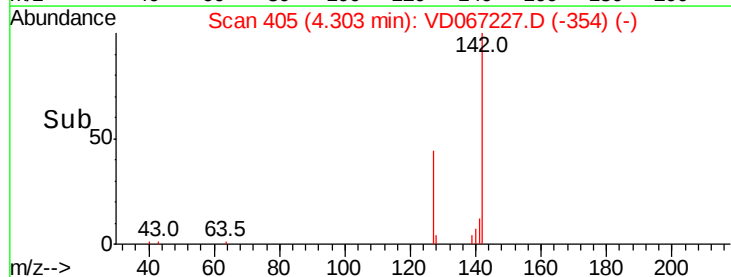
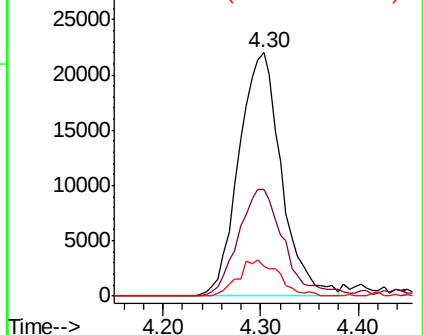
141 14.1 12.0 18.0

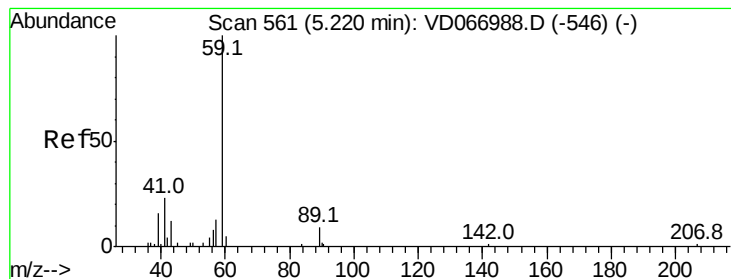


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 101.169 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

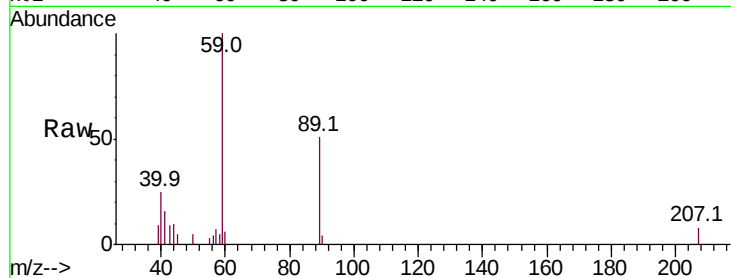
VD1012SBS01

Tot Ion: 59 Resp: 27868

Ion Ratio Lower Upper

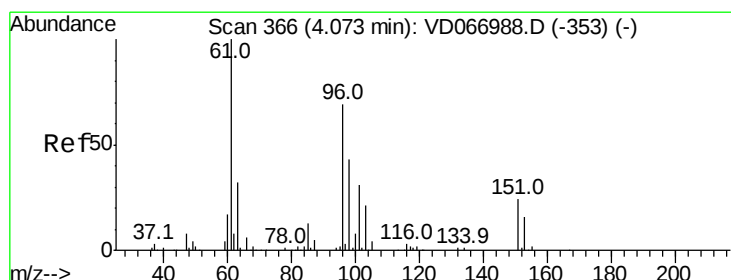
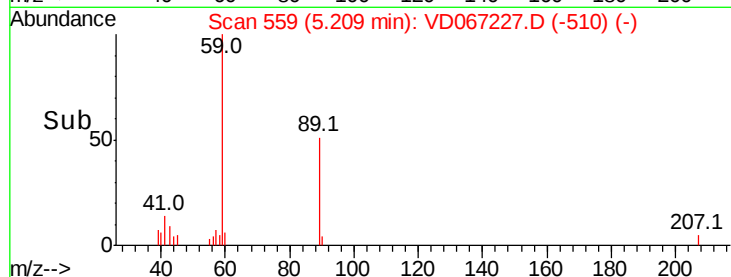
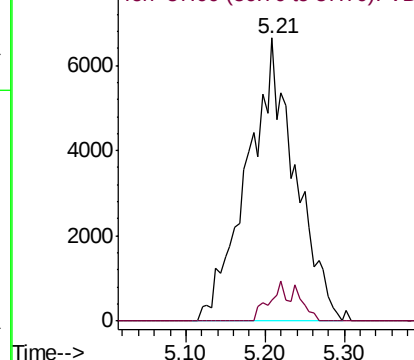
59 100

57 5.3 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 19.885 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

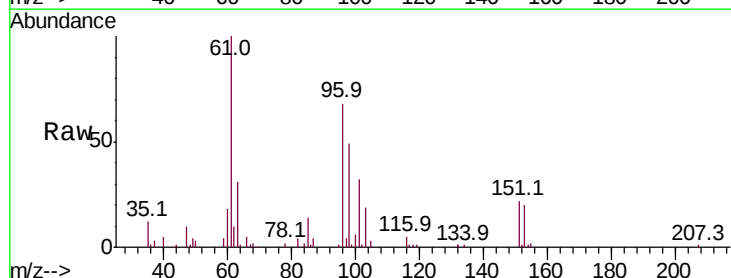
Tgt Ion: 96 Resp: 71132

Ion Ratio Lower Upper

96 100

61 147.8 116.4 174.6

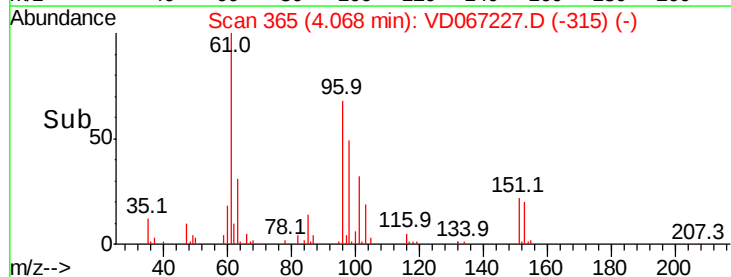
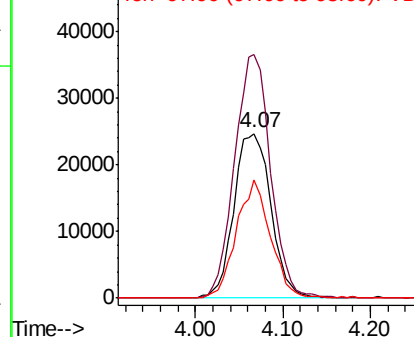
98 72.1 49.9 74.9

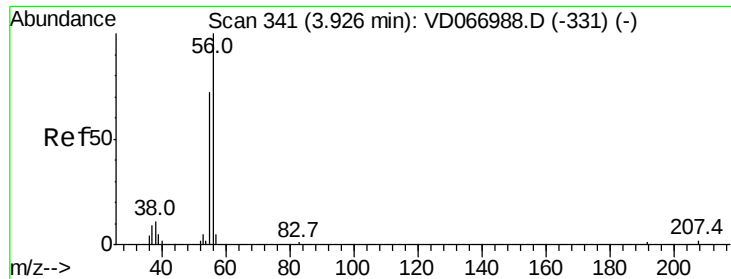


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 64.128 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

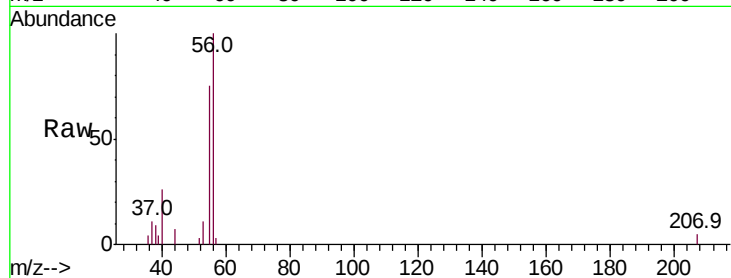
VD1012SBS01

Tot Ion: 56 Resp: 15695

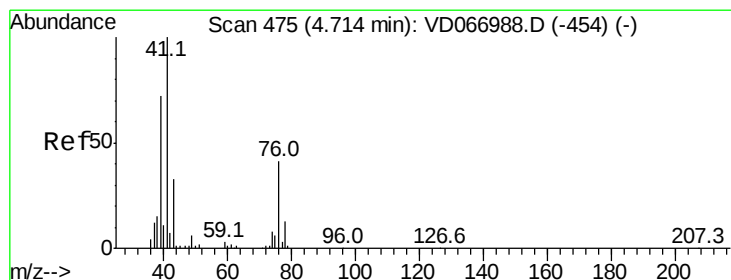
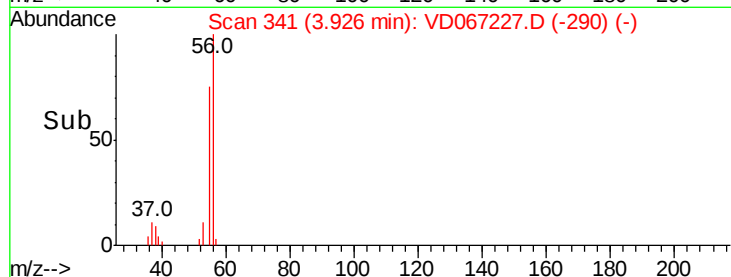
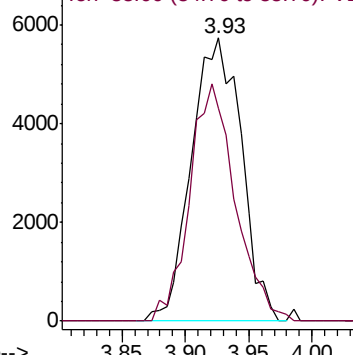
Ion Ratio Lower Upper

56 100

55 77.1 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 16.985 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

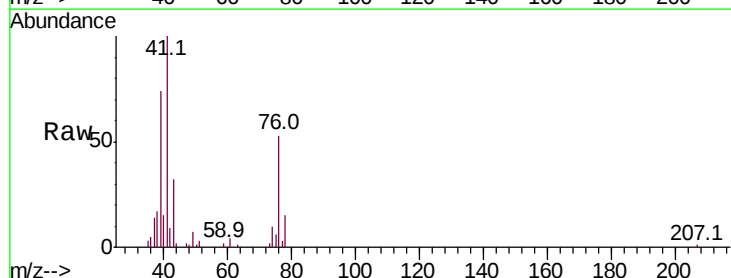
Tgt Ion: 41 Resp: 78931

Ion Ratio Lower Upper

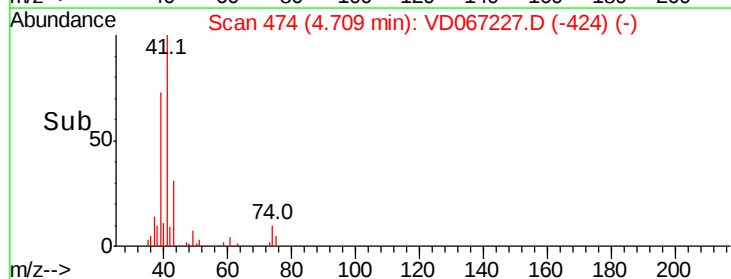
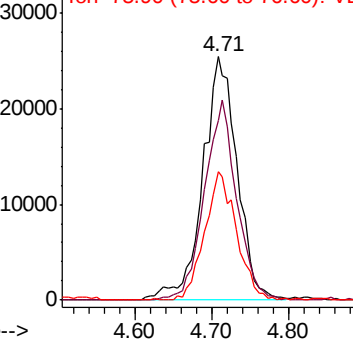
41 100

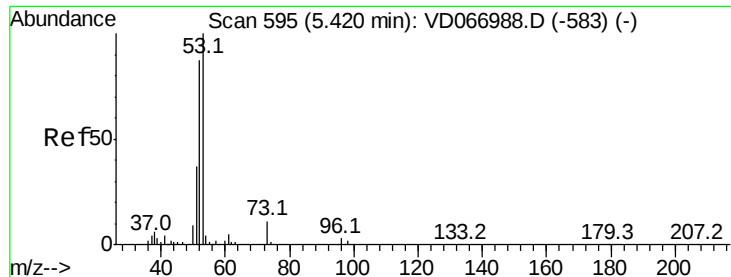
39 77.1 56.2 84.2

76 48.7 34.2 51.2



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: 90.294 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

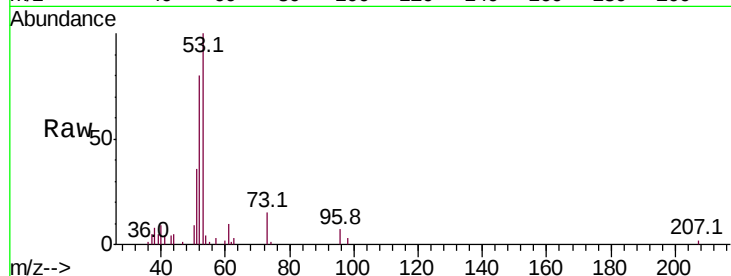
Tot Ion: 53 Resp: 55481

Ion Ratio Lower Upper

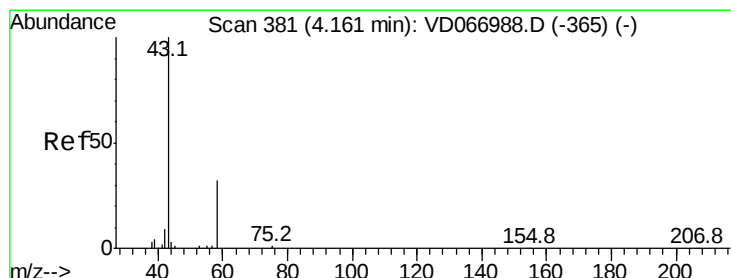
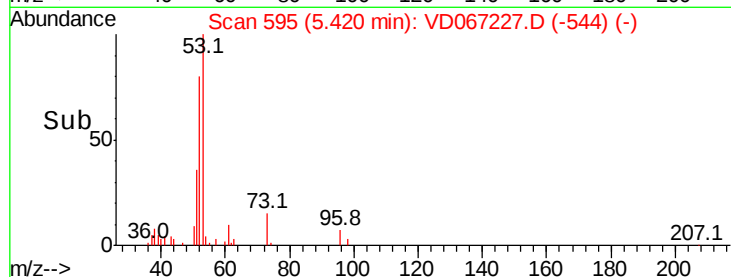
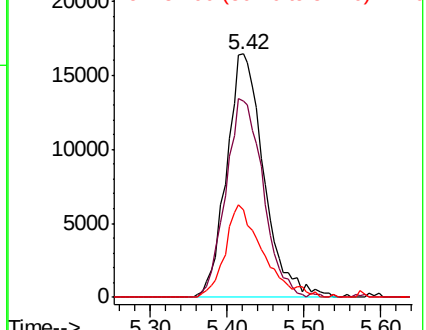
53 100

52 81.4 67.3 100.9

51 38.4 30.2 45.2



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: 104.415 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD067227.D

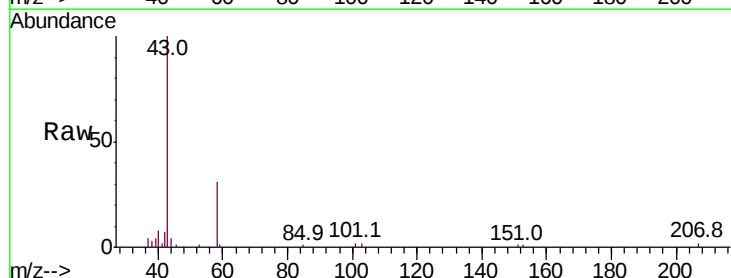
Acq: 12 Oct 2020 12:08

Tgt Ion: 43 Resp: 58259

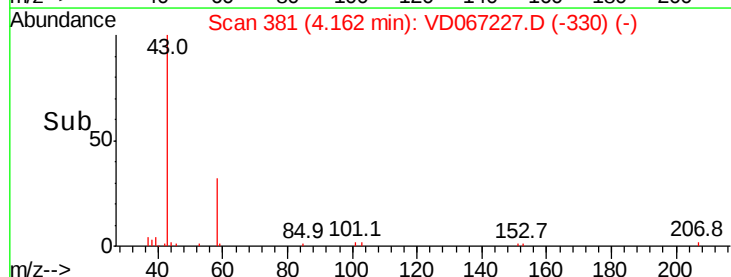
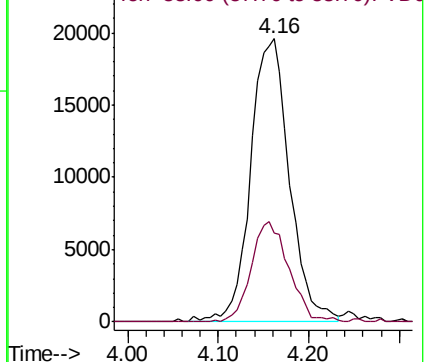
Ion Ratio Lower Upper

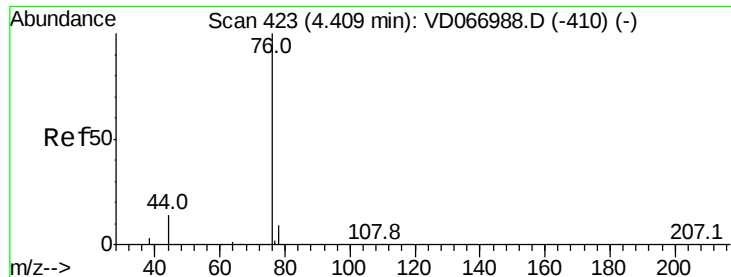
43 100

58 31.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

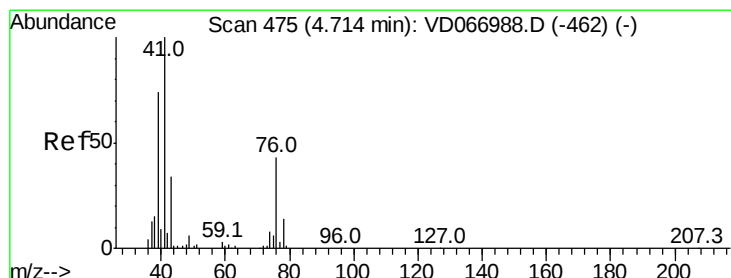
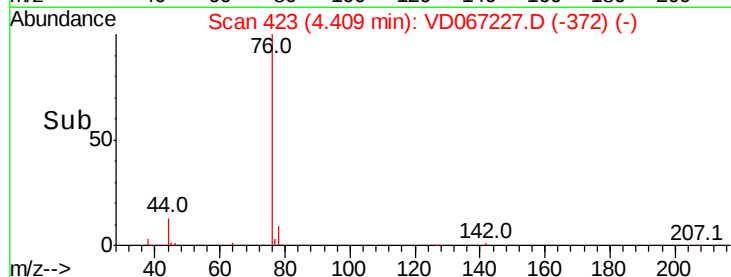
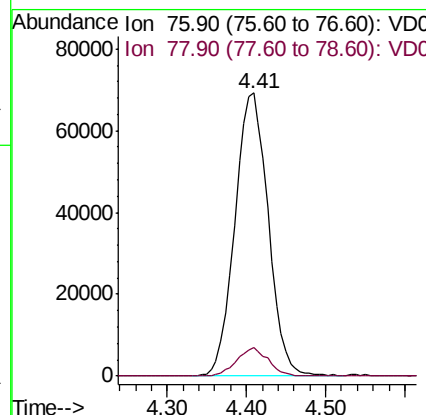
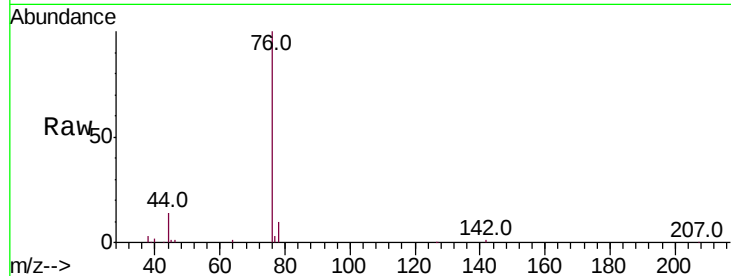




#17
Carbon Disulfide
Concen: 18.375 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

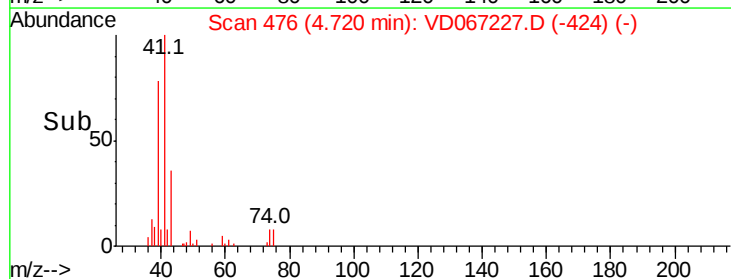
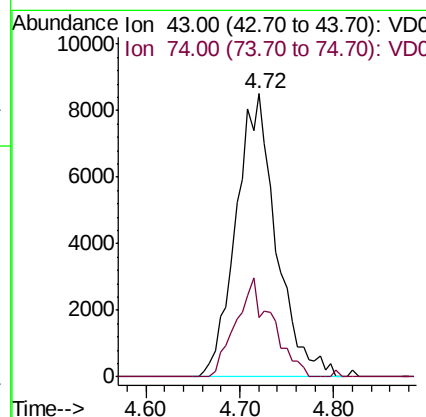
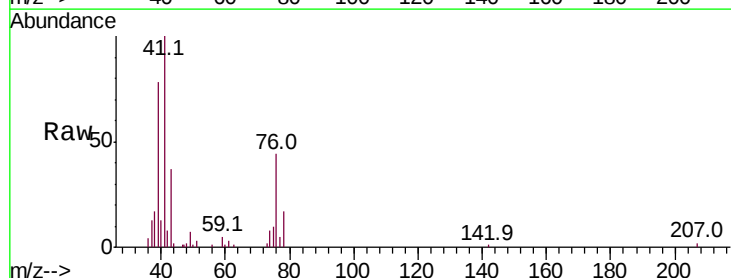
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

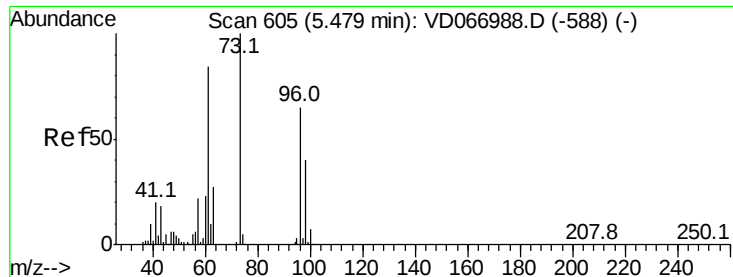
Tot Ion: 76 Resp: 201725
Ion Ratio Lower Upper
76 100
78 10.2 7.5 11.3



#18
Methyl Acetate
Concen: 18.026 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 43 Resp: 25278
Ion Ratio Lower Upper
43 100
74 31.6 21.5 32.3



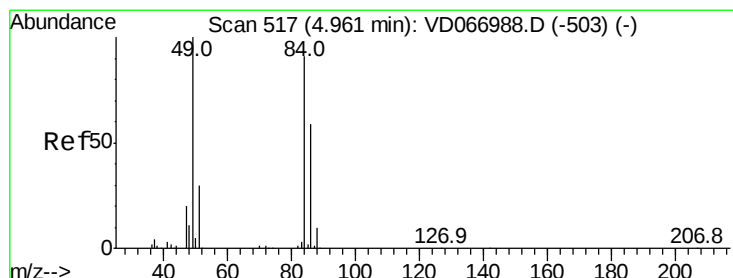
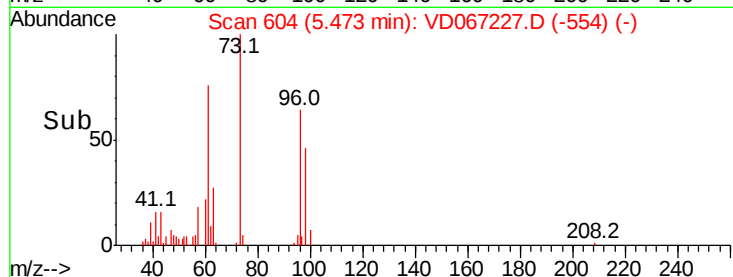
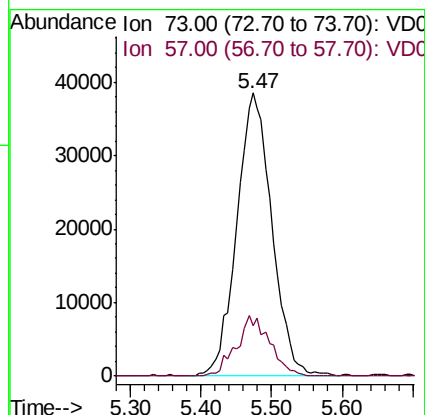
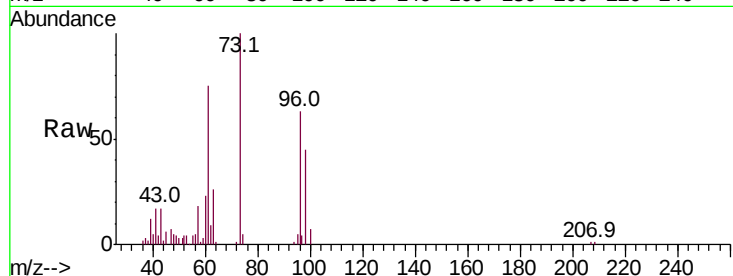


#19

Methyl tert-butyl Ether
 Concen: 20.384 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

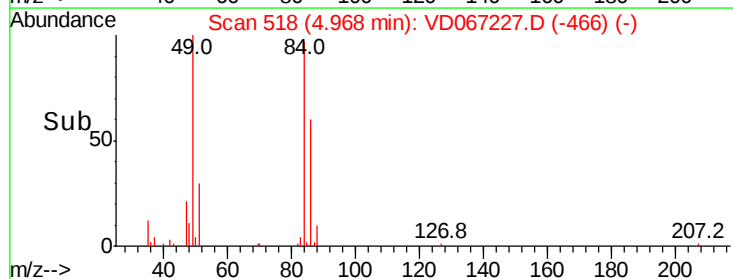
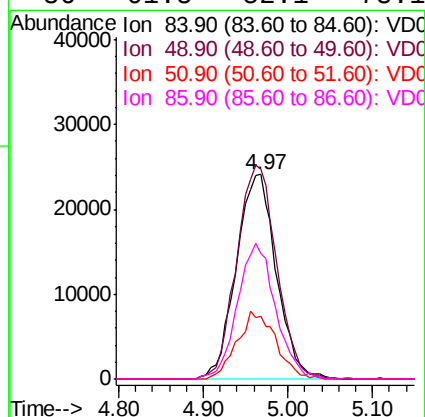
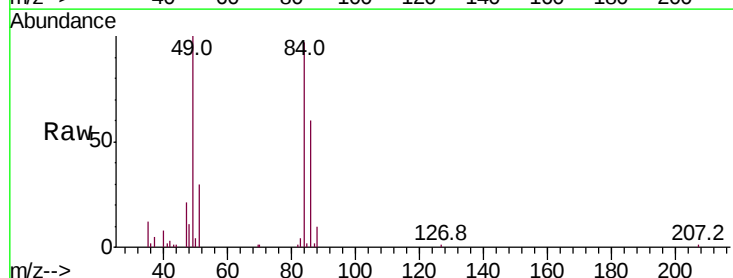
Tot Ion: 73 Resp: 133116
 Ion Ratio Lower Upper
 73 100
 57 17.9 17.4 26.0

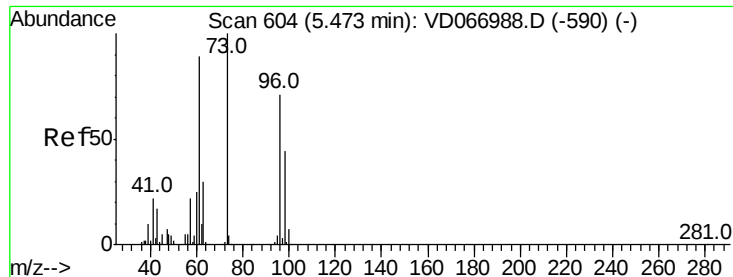


#20

Methylene Chloride
 Concen: 14.911 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion: 84 Resp: 79251
 Ion Ratio Lower Upper
 84 100
 49 102.8 88.2 132.2
 51 30.7 26.6 39.8
 86 61.5 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.913 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

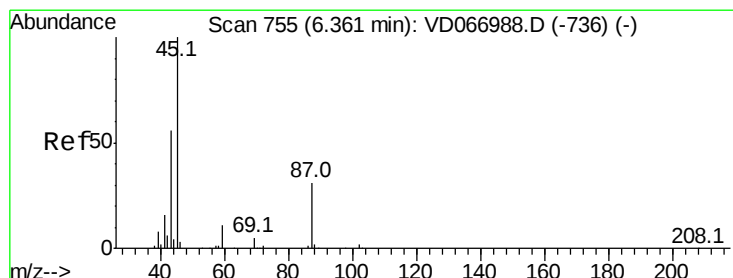
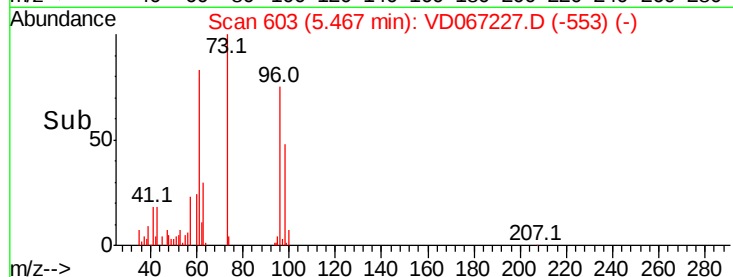
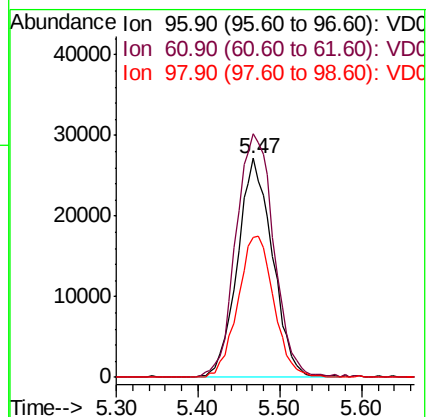
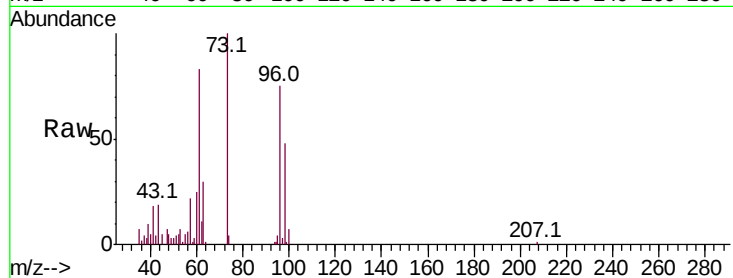
Tot Ion: 96 Resp: 81065

Ion Ratio Lower Upper

96 100

61 111.3 99.6 149.4

98 64.1 49.4 74.2



#22

Diisopropyl ether

Concen: 18.542 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion: 45 Resp: 157312

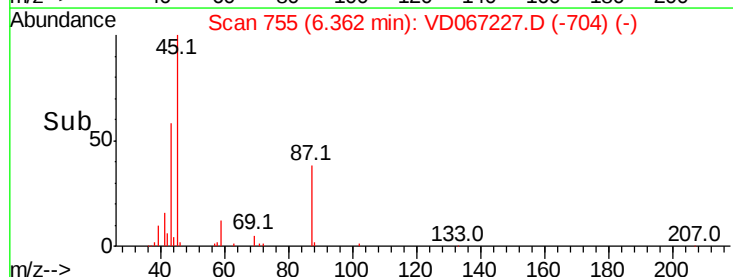
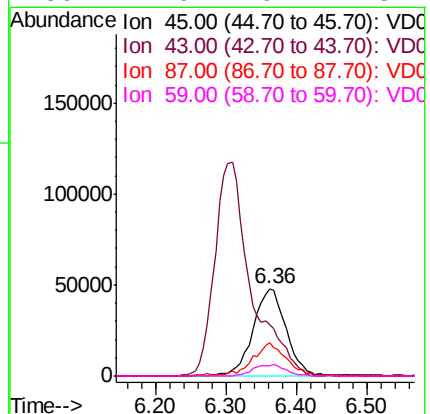
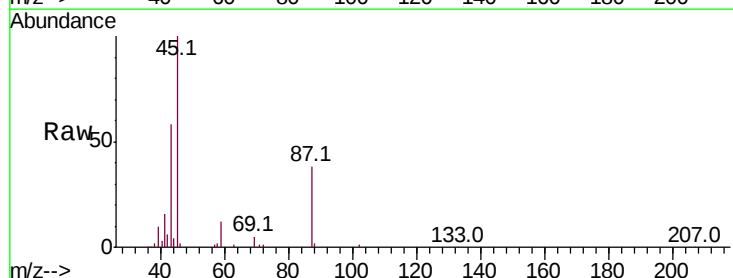
Ion Ratio Lower Upper

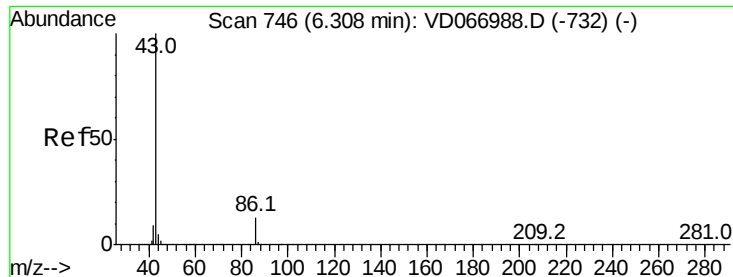
45 100

43 57.2 45.2 67.8

87 37.7 25.6 38.4

59 11.9 9.1 13.7





#23

Vinyl Acetate

Concen: 87.864 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

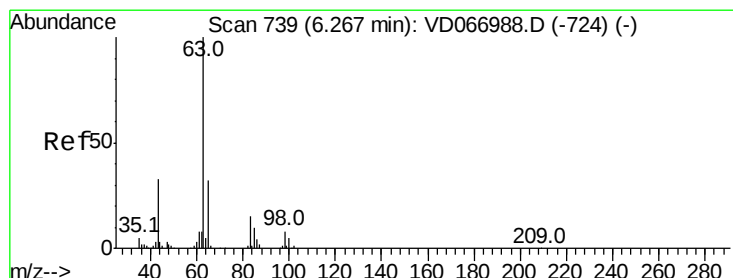
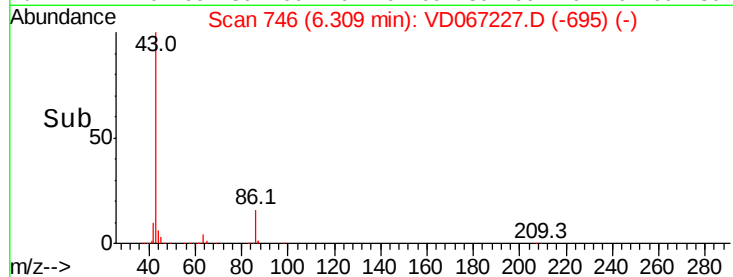
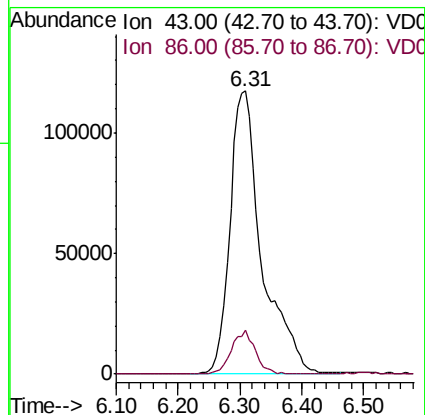
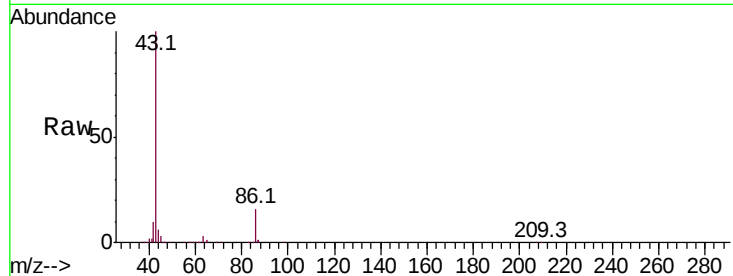
VD1012SBS01

Tot Ion: 43 Resp: 422415

Ion Ratio Lower Upper

43 100

86 15.7 10.2 15.2#



#24

1,1-Dichloroethane

Concen: 19.543 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

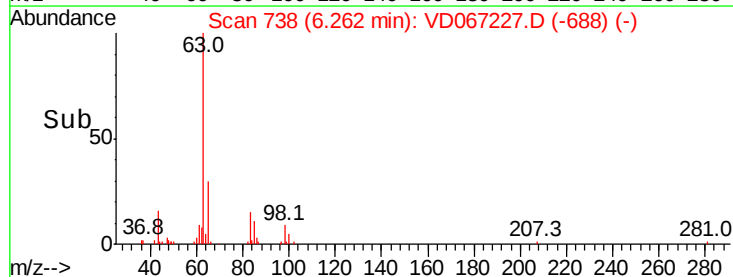
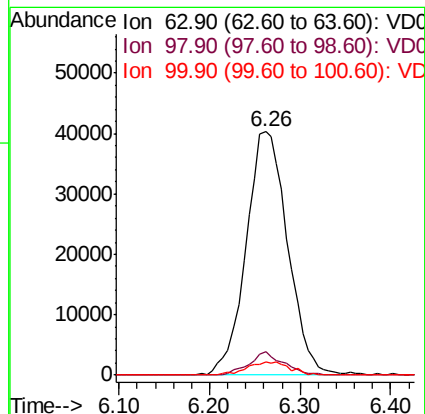
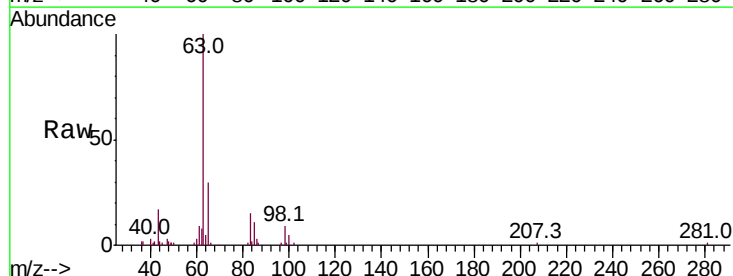
Tgt Ion: 63 Resp: 127960

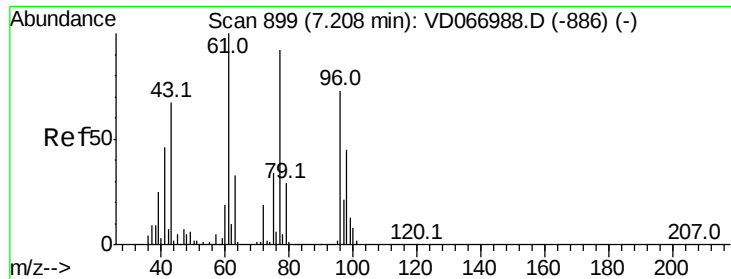
Ion Ratio Lower Upper

63 100

98 9.5 4.2 12.6

100 5.4 2.6 7.8





#25

2-Butanone

Concen: 85.721 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

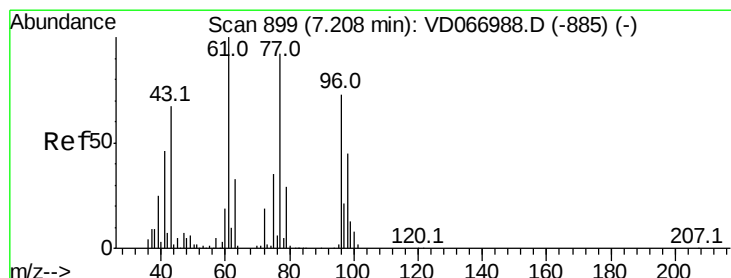
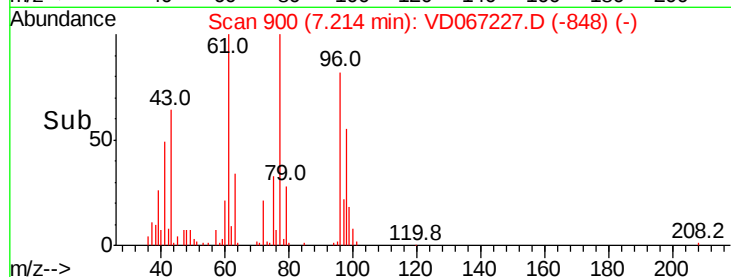
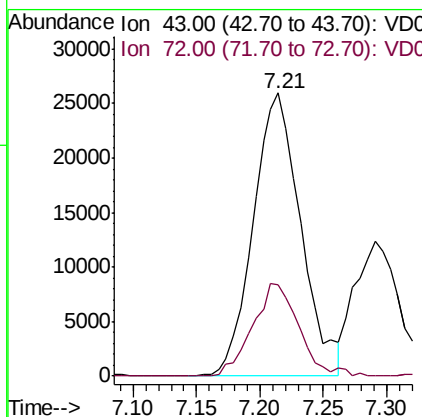
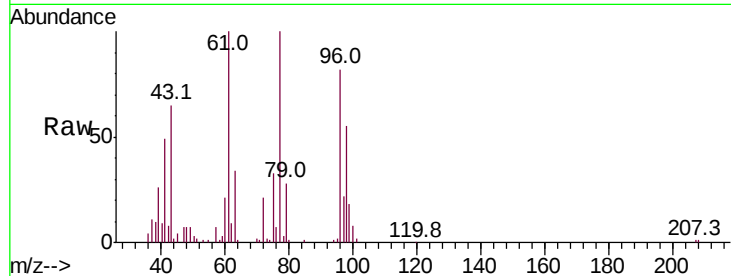
VD1012SBS01

Tot Ion: 43 Resp: 67810

Ion Ratio Lower Upper

43 100

72 32.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 19.915 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067227.D

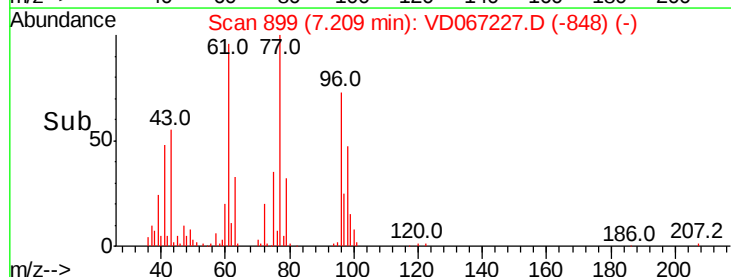
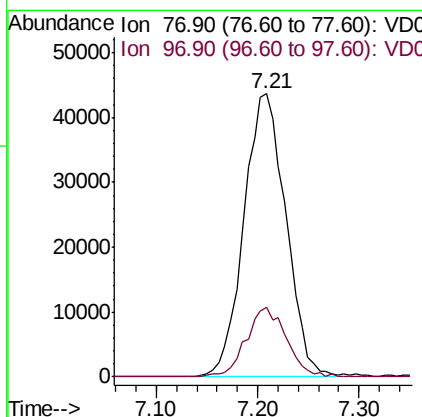
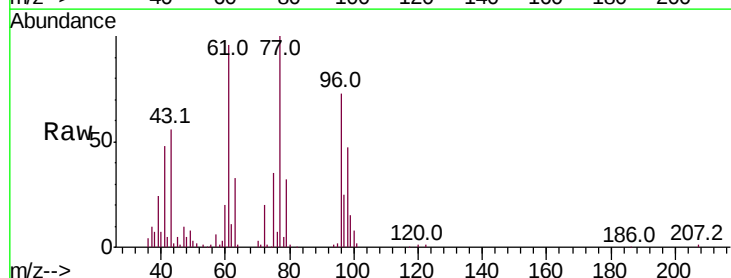
Acq: 12 Oct 2020 12:08

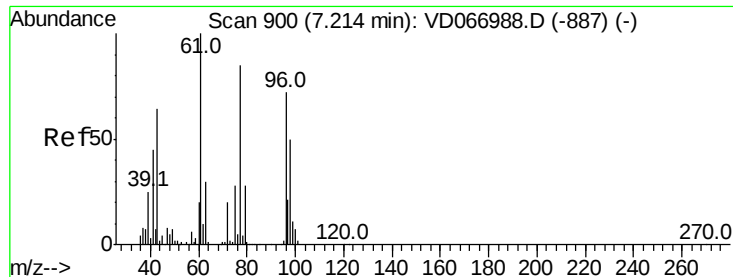
Tgt Ion: 77 Resp: 125398

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.2



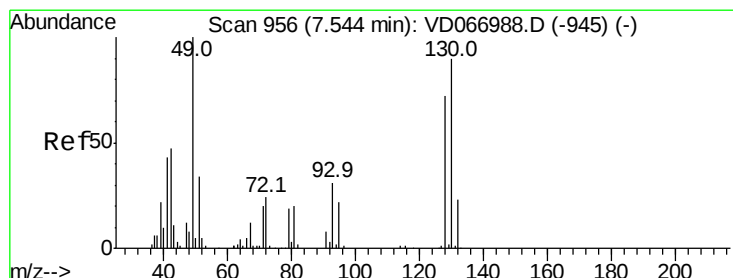
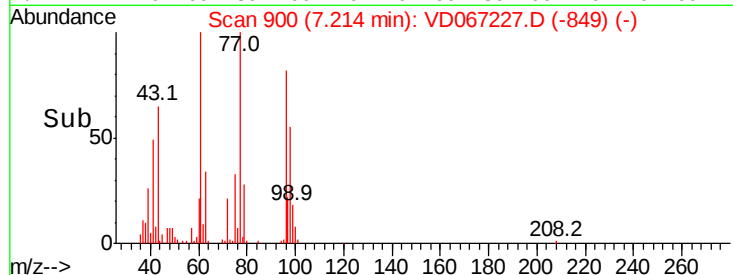
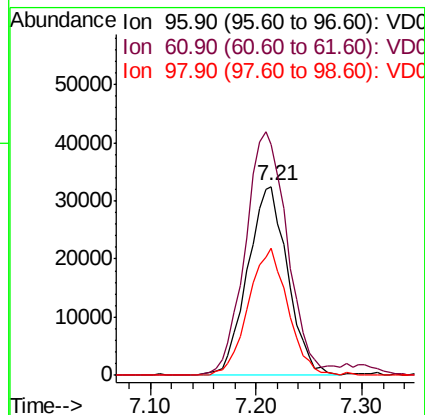
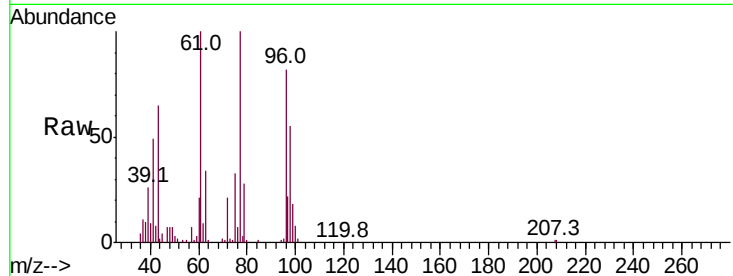


#27

cis-1,2-Dichloroethene
Concen: 19.723 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

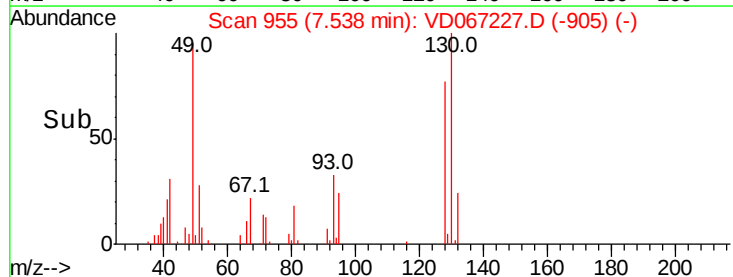
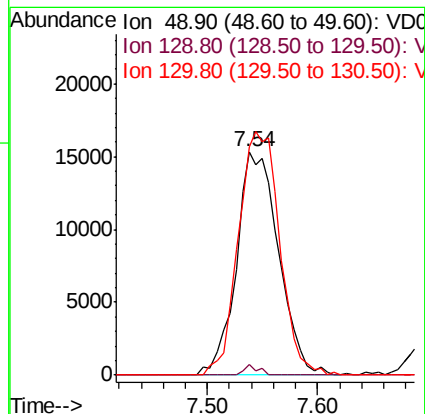
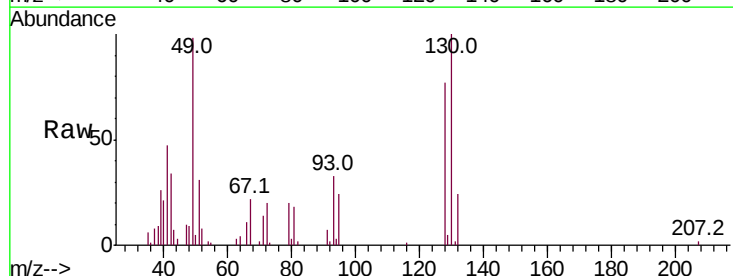
Tot Ion: 96 Resp: 85752
Ion Ratio Lower Upper
96 100
61 135.7 0.0 269.2
98 66.2 0.0 129.4

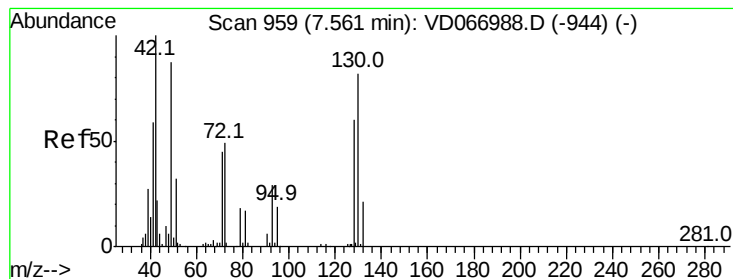


#28

Bromochloromethane
Concen: 16.246 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 49 Resp: 41078
Ion Ratio Lower Upper
49 100
129 1.6 0.0 4.6
130 106.7 74.1 111.1





#29

Tetrahydrofuran

Concen: 87.216 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

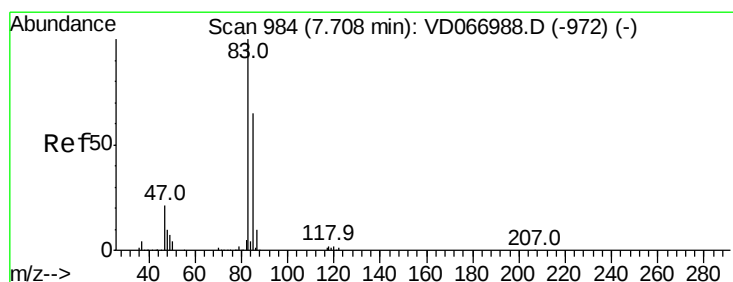
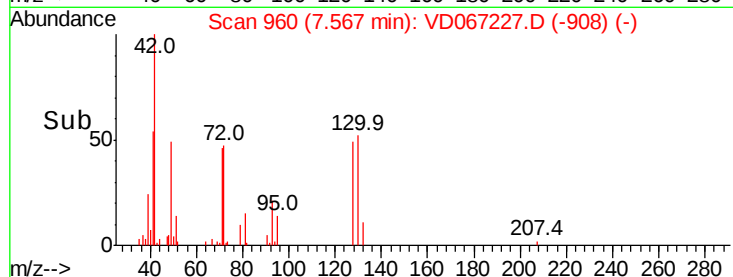
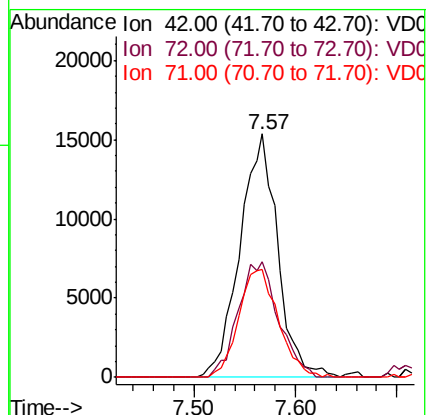
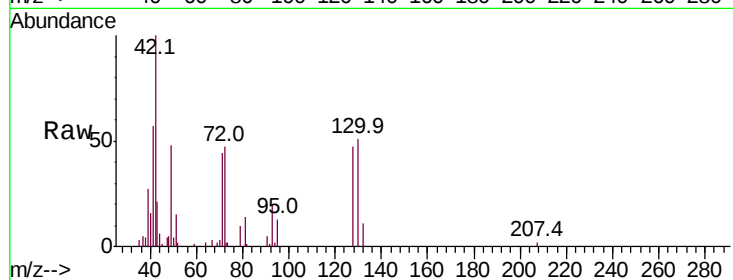
Tot Ion: 42 Resp: 39670

Ion Ratio Lower Upper

42 100

72 50.5 39.1 58.7

71 46.6 34.2 51.4



#30

Chloroform

Concen: 20.982 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067227.D

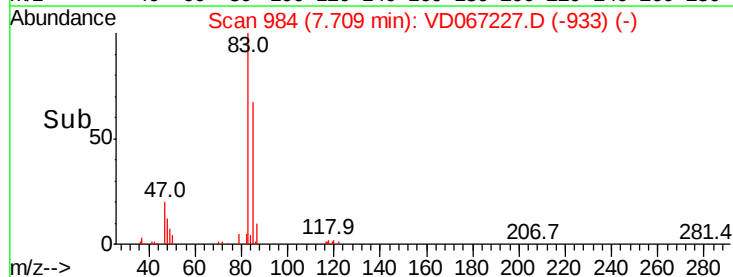
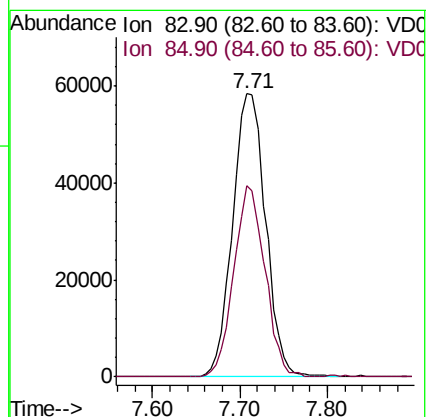
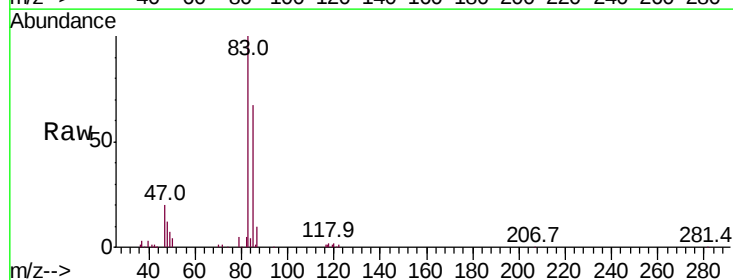
Acq: 12 Oct 2020 12:08

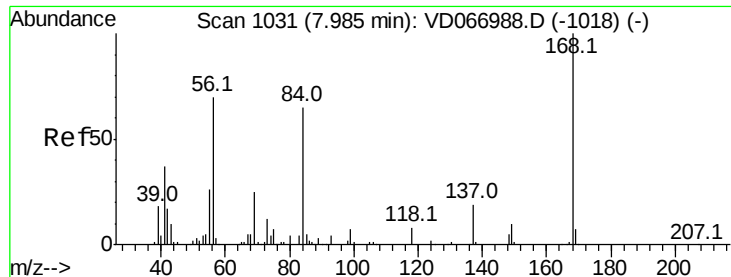
Tgt Ion: 83 Resp: 149027

Ion Ratio Lower Upper

83 100

85 67.4 52.3 78.5

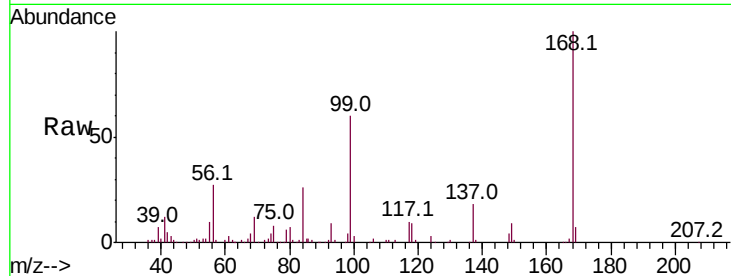




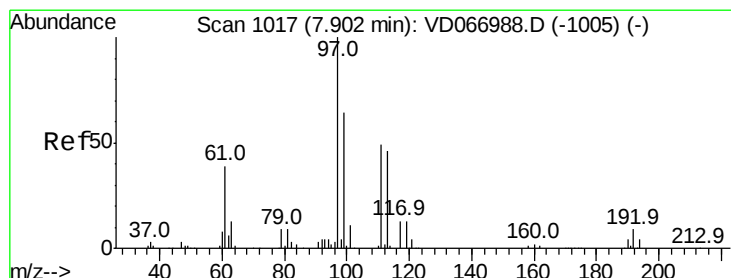
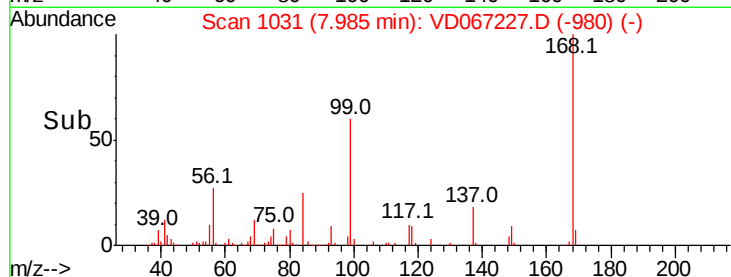
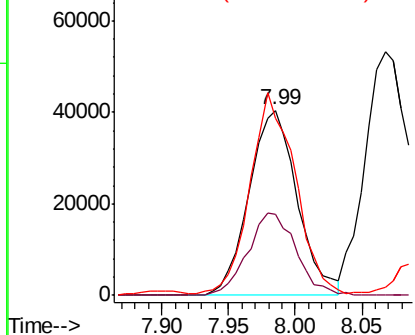
#31
Cyclohexane
Concen: 18.482 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 56 Resp: 101451
Ion Ratio Lower Upper
56 100
69 43.7 29.0 43.6#
84 94.4 74.2 111.2

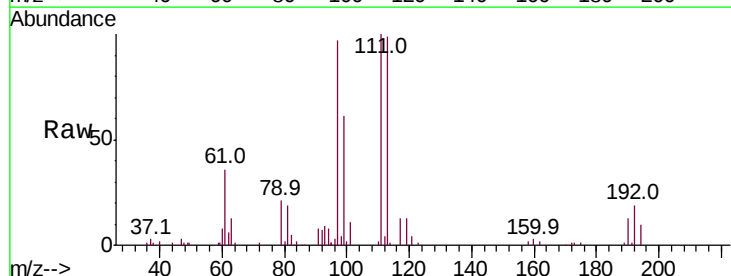


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

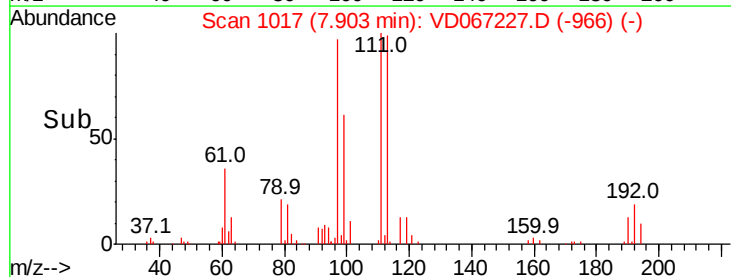
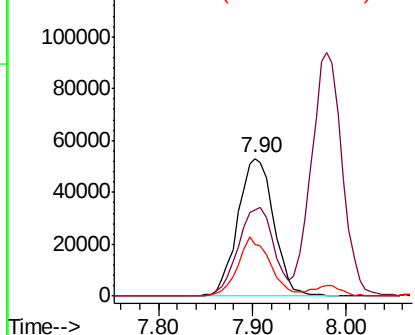


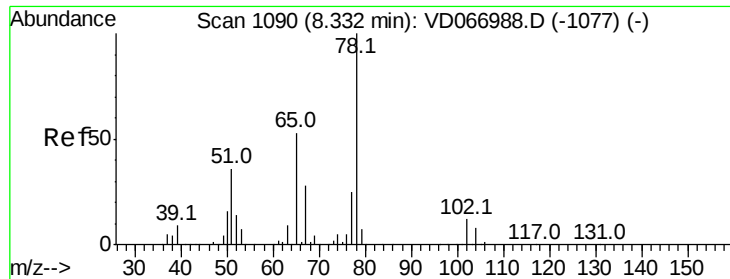
#32
1,1,1-Trichloroethane
Concen: 21.417 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 97 Resp: 140976
Ion Ratio Lower Upper
97 100
99 64.0 52.6 78.8
61 38.4 32.8 49.2



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: 45.242 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

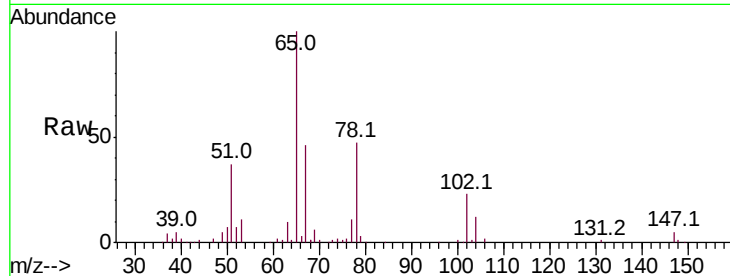
VD1012SBS01

Tot Ion: 65 Resp: 165363

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.8



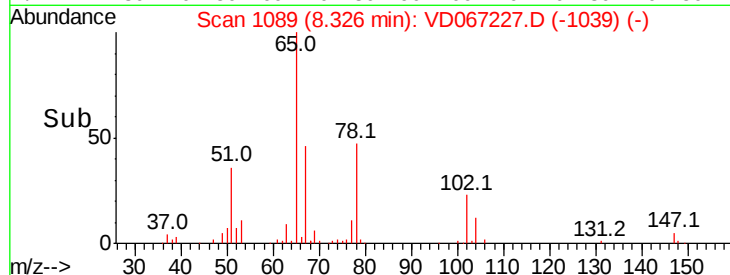
Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

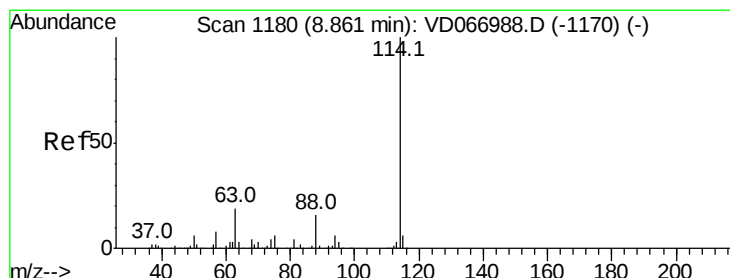
8.33

8.25 8.30 8.35 8.40

Time-->



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

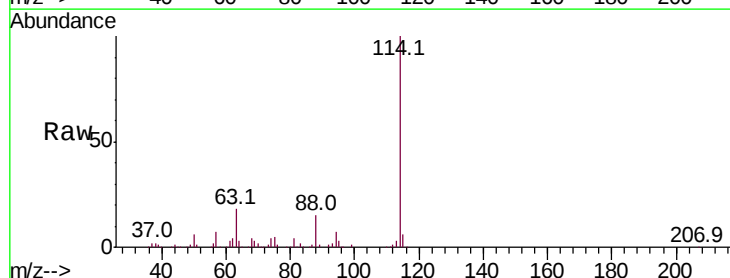
Tgt Ion: 114 Resp: 565759

Ion Ratio Lower Upper

114 100

63 17.9 0.0 38.4

88 14.9 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

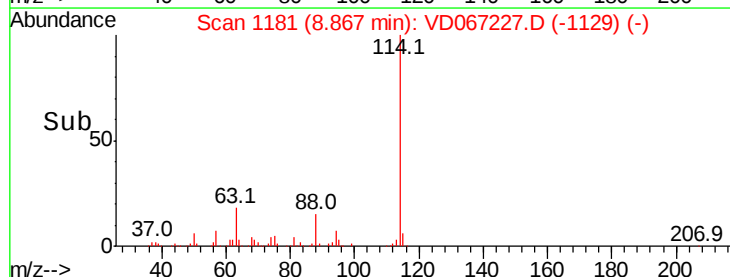
Ion 63.00 (62.70 to 63.70): VDC

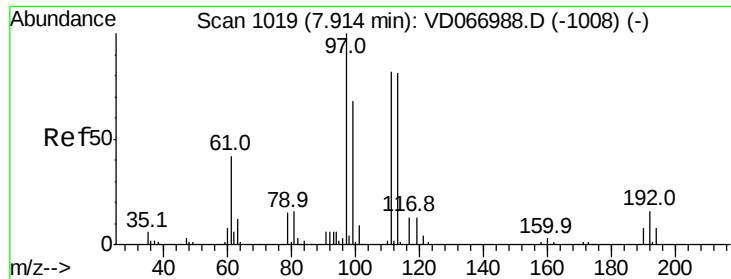
Ion 87.90 (87.60 to 88.60): VDC

8.87

8.80 8.90 9.00

Time-->

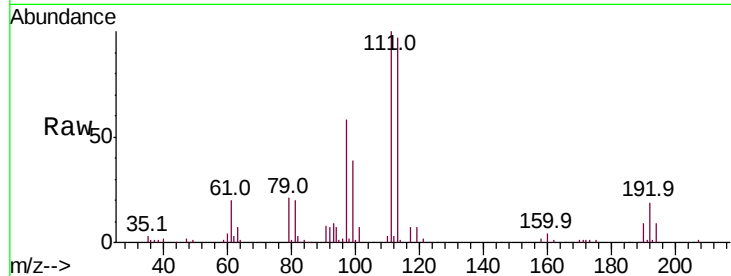




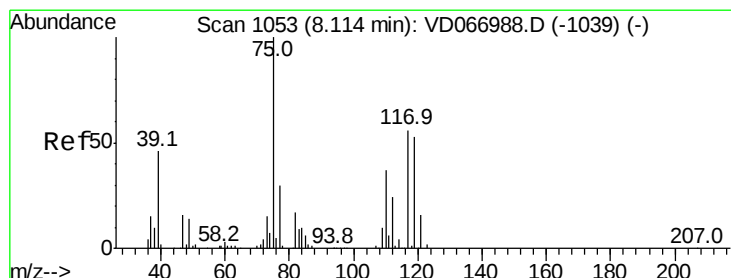
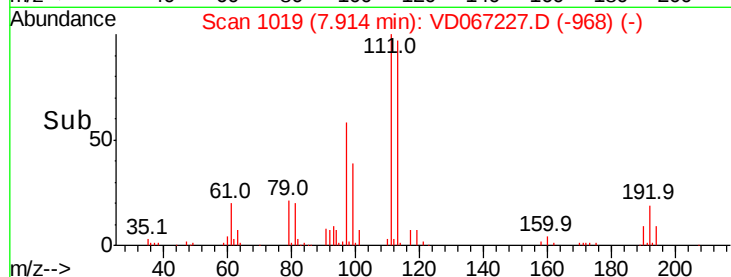
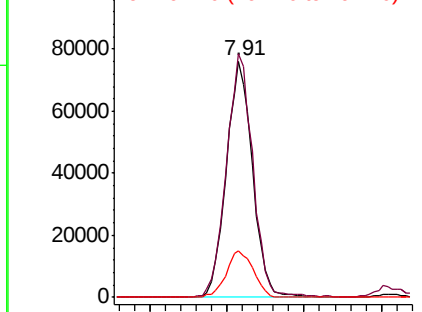
#35
Dibromofluoromethane
Concen: 48.693 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.0	124.4
192	20.4	15.5	23.3

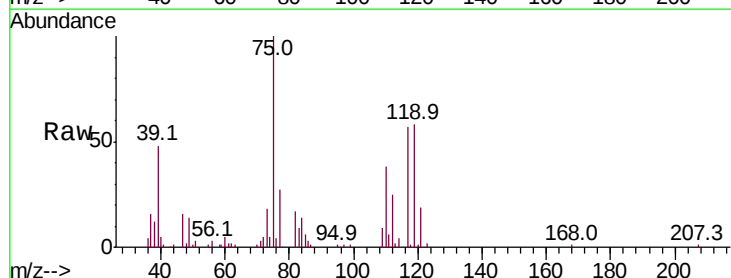


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

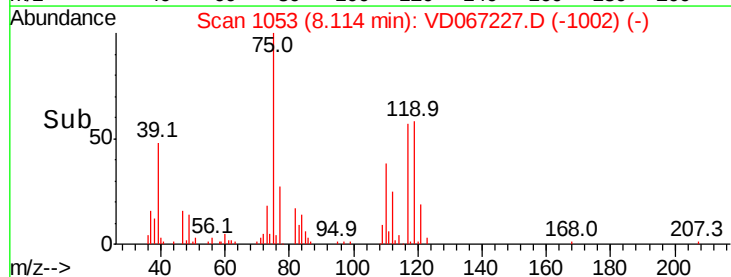
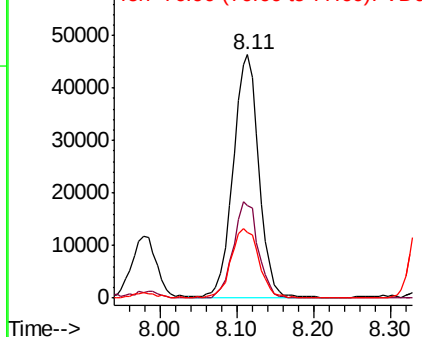


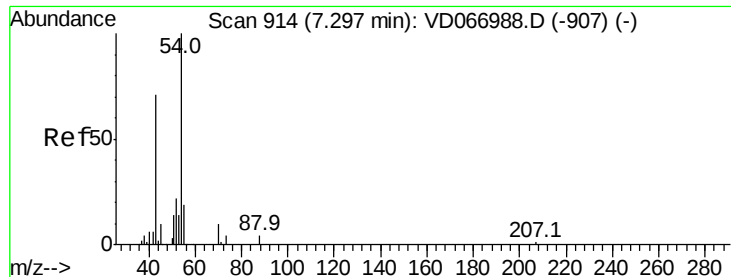
#36
1,1-Dichloropropene
Concen: 20.653 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.4	55.0
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

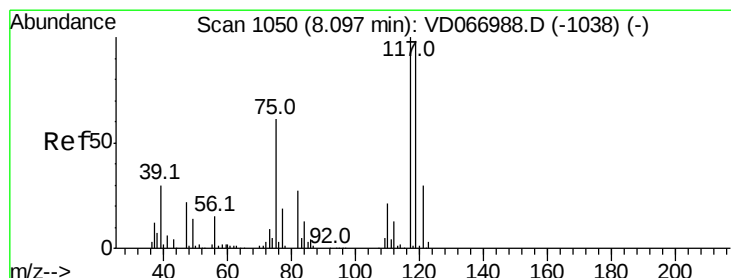
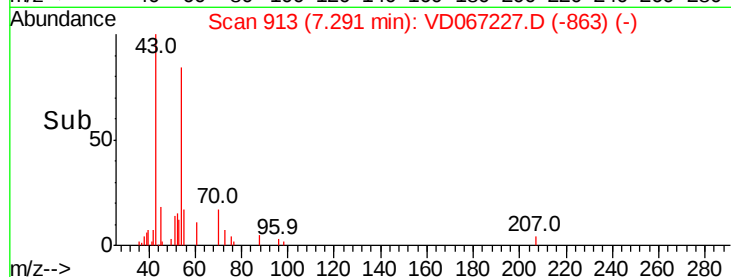
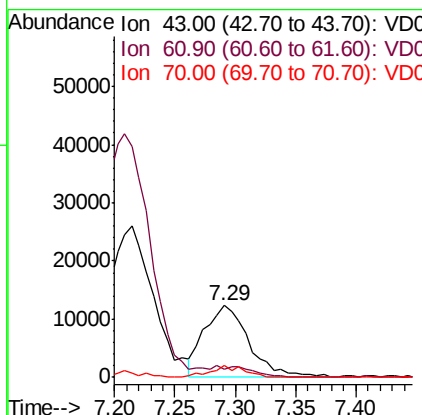
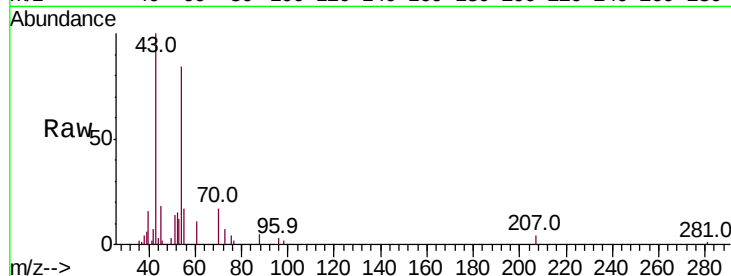




#37
Ethyl Acetate
Concen: 17.467 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

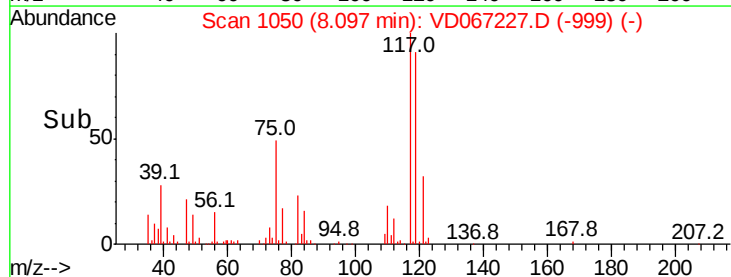
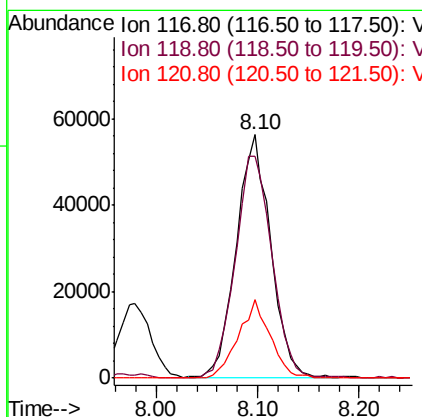
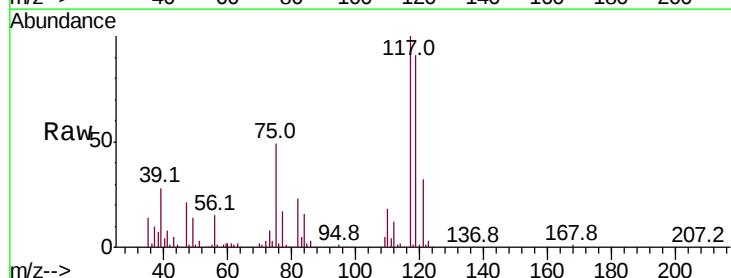
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

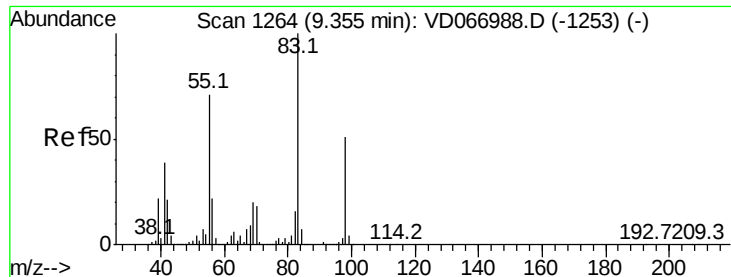
Tot Ion: 43 Resp: 31910
Ion Ratio Lower Upper
43 100
61 0.0 12.5 18.7#
70 12.2 9.4 14.0



#38
Carbon Tetrachloride
Concen: 23.293 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 117 Resp: 132906
Ion Ratio Lower Upper
117 100
119 91.2 78.7 118.1
121 32.2 24.2 36.2

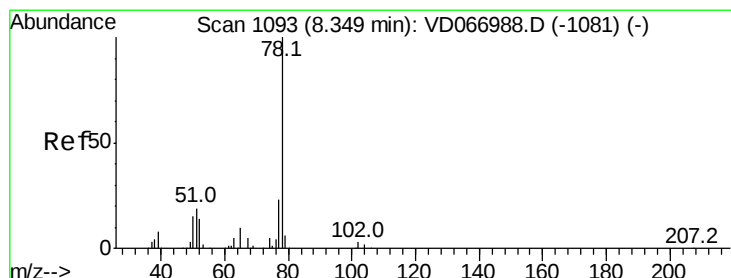
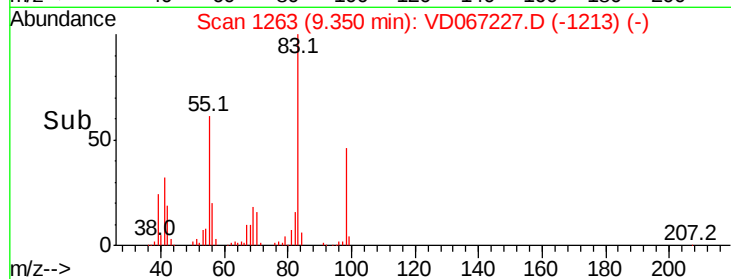
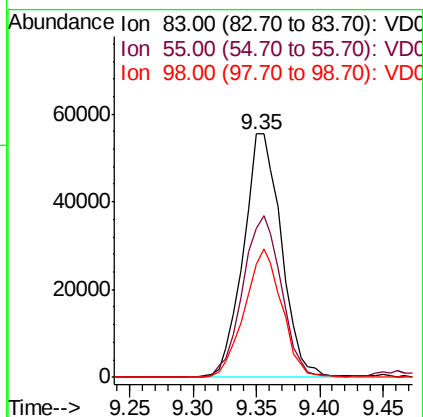
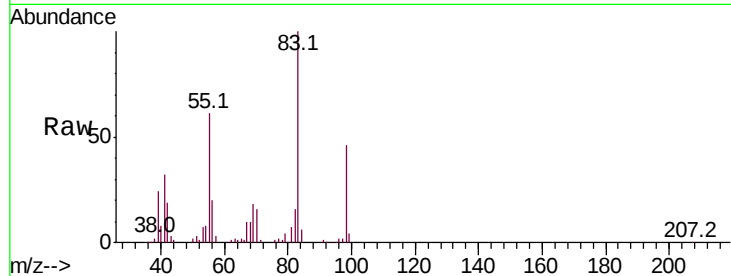




#39
Methvlcvclohexane
Concen: 20.782 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

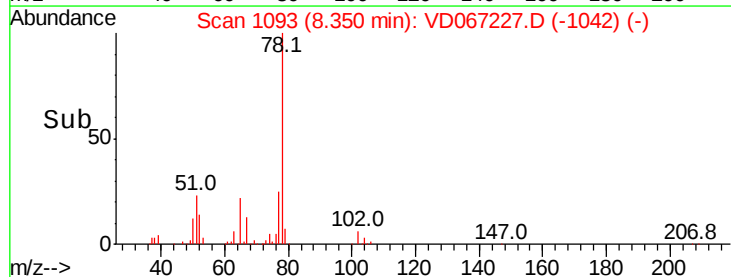
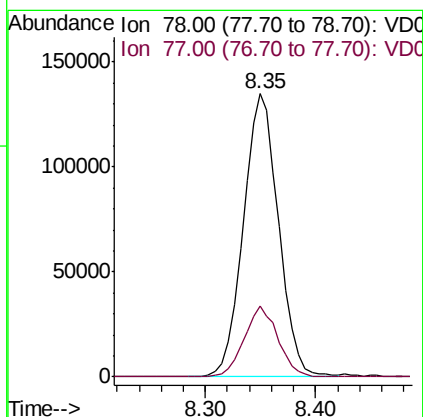
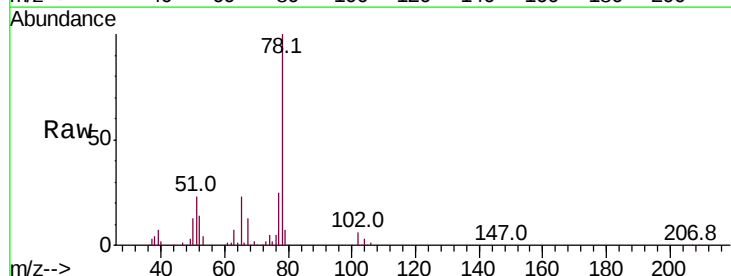
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

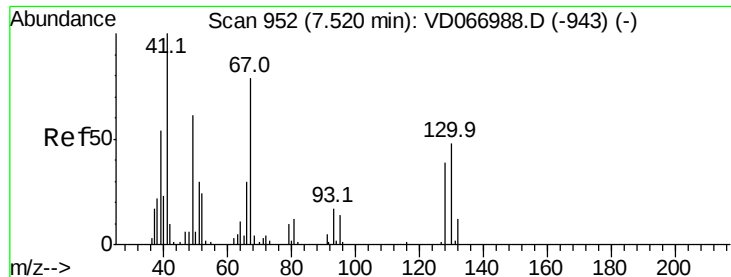
Tot Ion	83	Resp	115867
Ion Ratio	Lower	Upper	
83	100		
55	61.4	57.1	85.7
98	46.3	40.9	61.3



#40
Benzene
Concen: 20.559 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion	78	Resp	301130
Ion Ratio	Lower	Upper	
78	100		
77	25.2	18.4	27.6

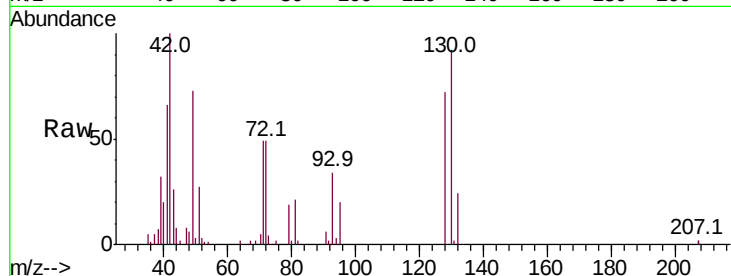




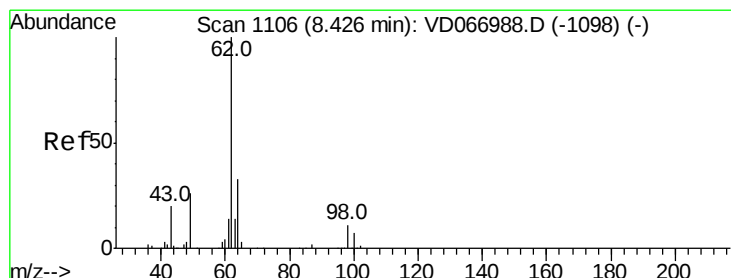
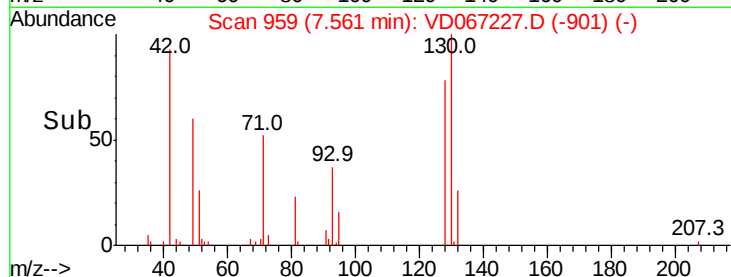
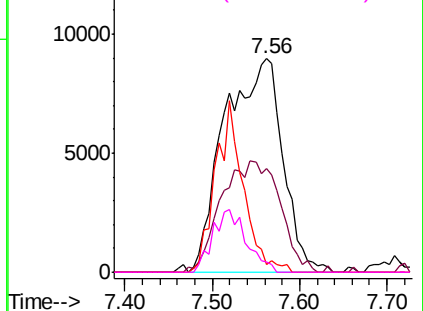
#41
Methacrylonitrile
Concen: 41.432 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 41 Resp: 40892
Ion Ratio Lower Upper
41 100
39 52.3 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

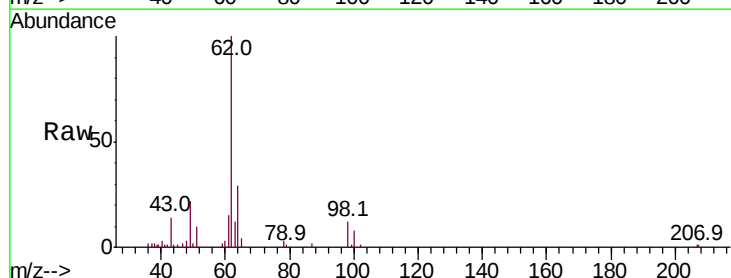


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

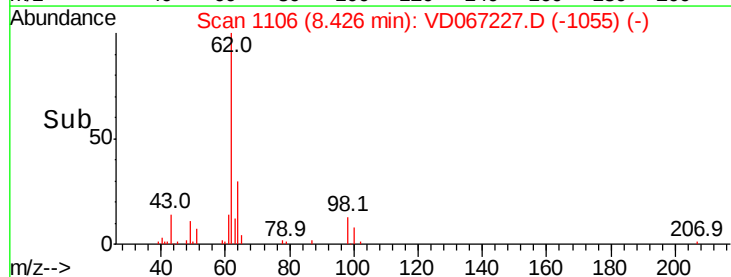
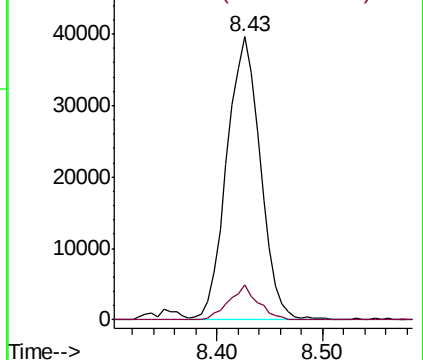


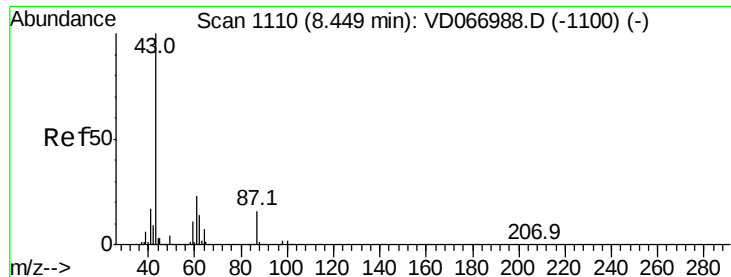
#42
1,2-Dichloroethane
Concen: 21.333 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 62 Resp: 87314
Ion Ratio Lower Upper
62 100
98 10.6 0.0 22.6



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





#43

Isopropyl Acetate

Concen: 18.796 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

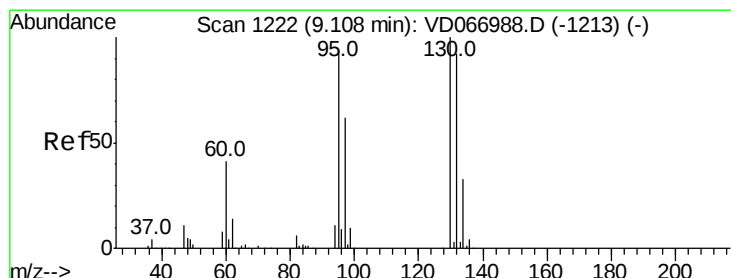
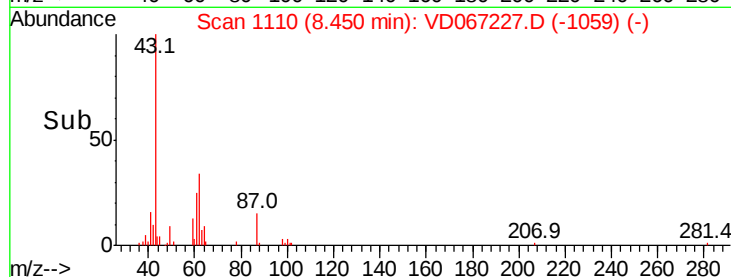
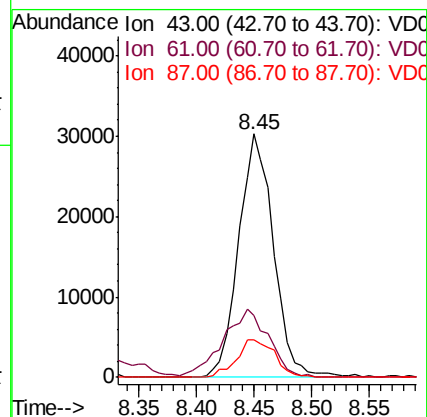
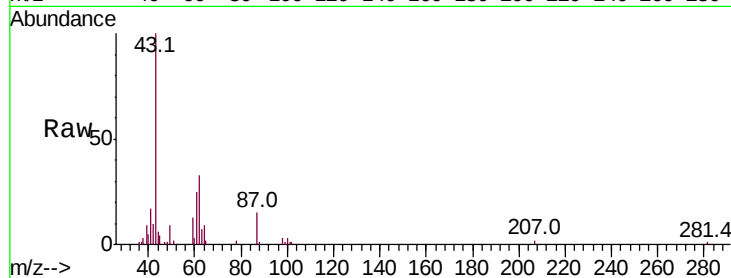
Tot Ion: 43 Resp: 63259

Ion Ratio Lower Upper

43 100

61 36.7 27.1 40.7

87 17.0 12.3 18.5



#44

Trichloroethene

Concen: 21.318 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD067227.D

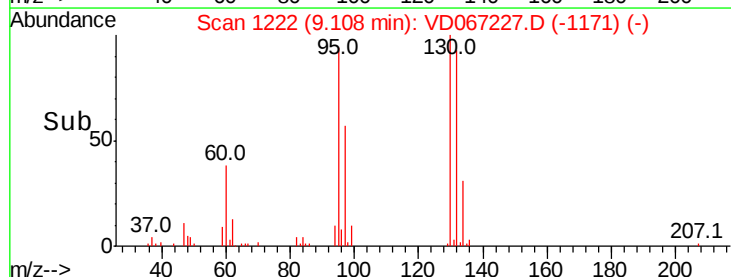
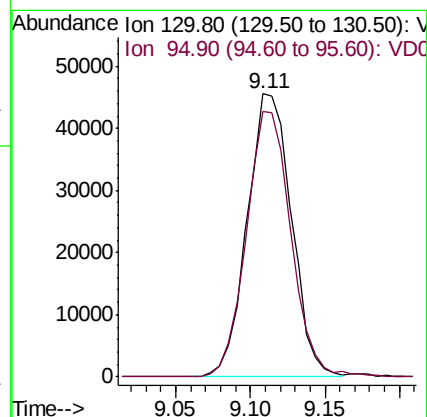
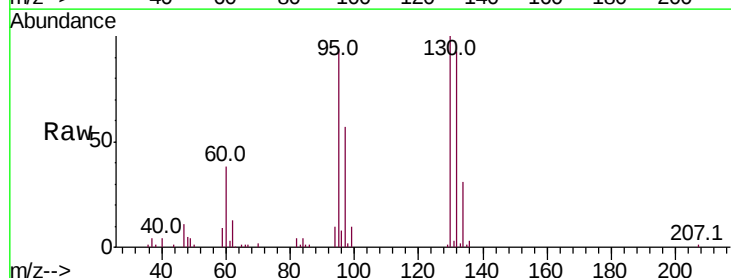
Acq: 12 Oct 2020 12:08

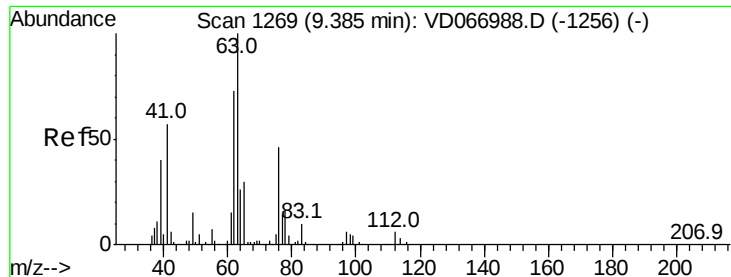
Tgt Ion: 130 Resp: 93240

Ion Ratio Lower Upper

130 100

95 93.6 0.0 187.8





#45

1,2-Dichloropropane

Concen: 19.993 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

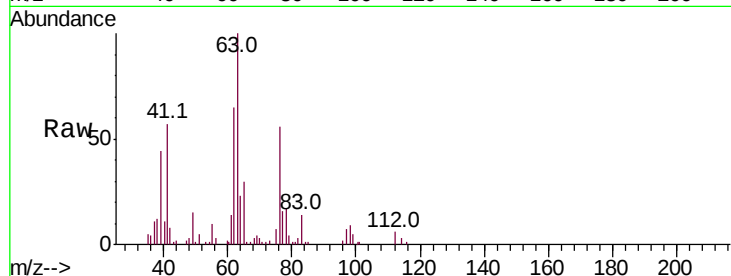
VD1012SBS01

Tot Ion: 63 Resp: 68808

Ion Ratio Lower Upper

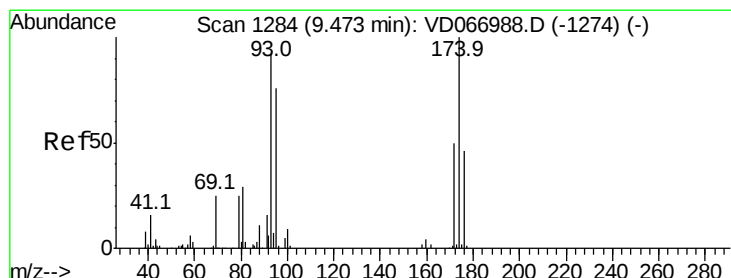
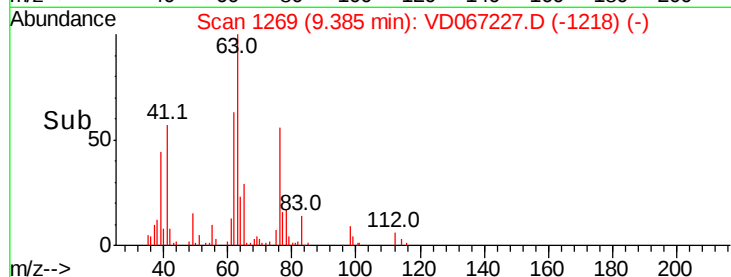
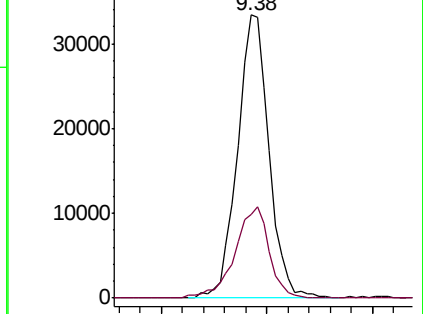
63 100

65 29.6 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.372 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

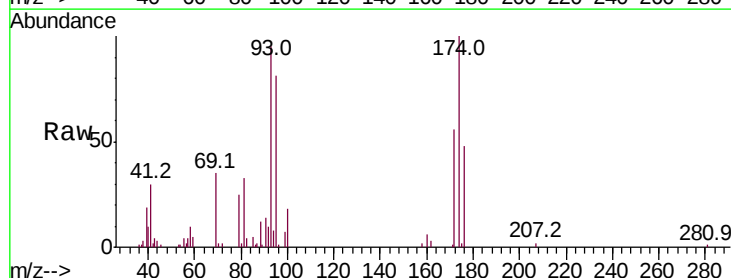
Tgt Ion: 93 Resp: 40297

Ion Ratio Lower Upper

93 100

95 86.9 64.7 97.1

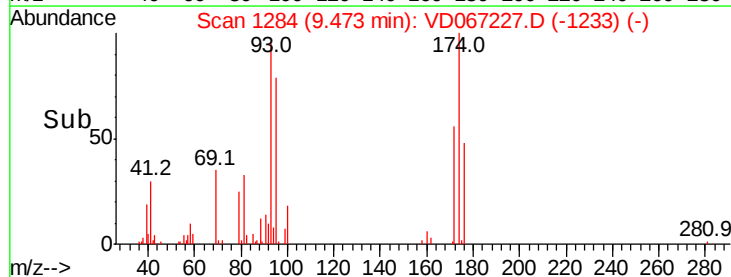
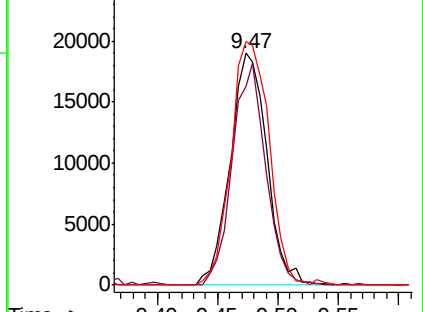
174 108.3 81.4 122.2

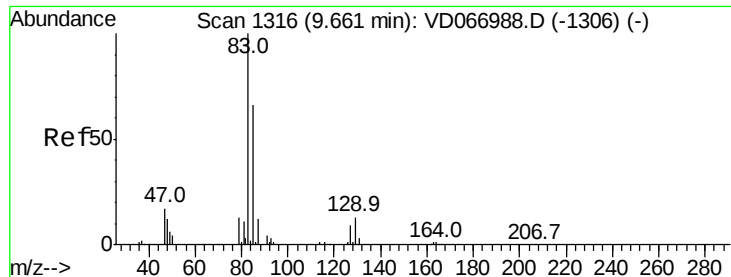


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.480 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

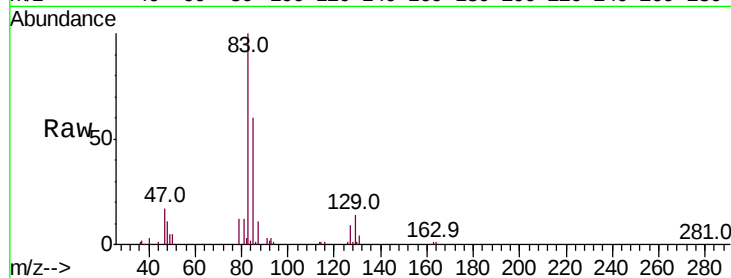
Tot Ion: 83 Resp: 110448

Ion Ratio Lower Upper

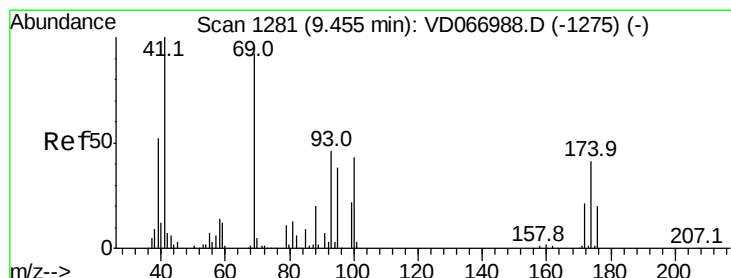
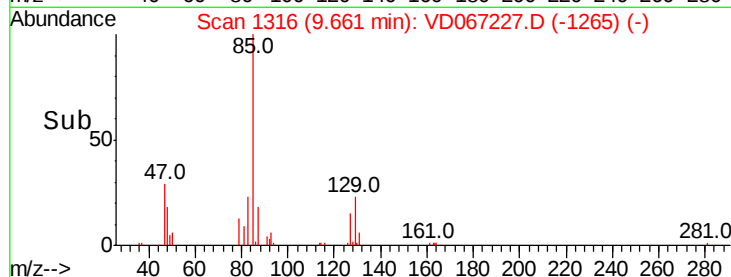
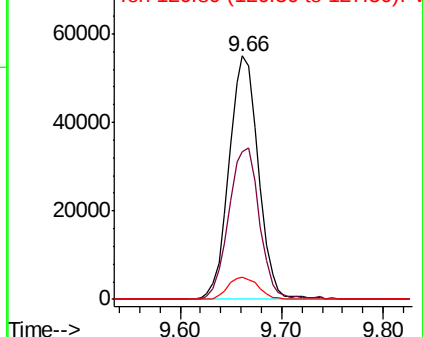
83 100

85 60.4 52.9 79.3

127 9.1 7.3 10.9



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: 17.470 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

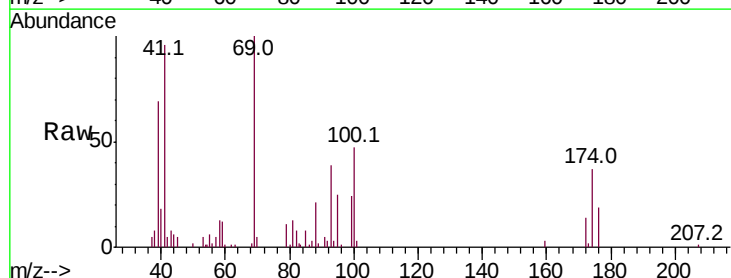
Tgt Ion: 41 Resp: 30122

Ion Ratio Lower Upper

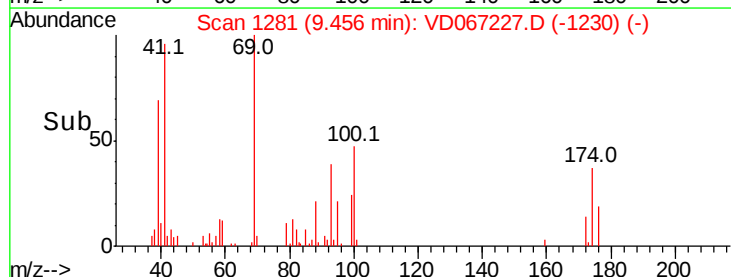
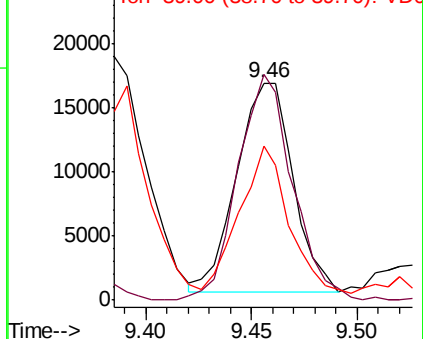
41 100

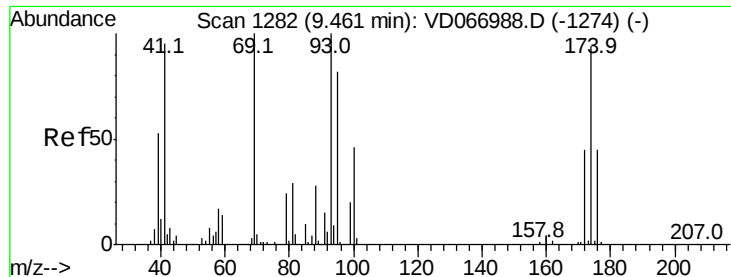
69 105.4 68.5 102.7#

39 69.1 40.2 60.2#



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

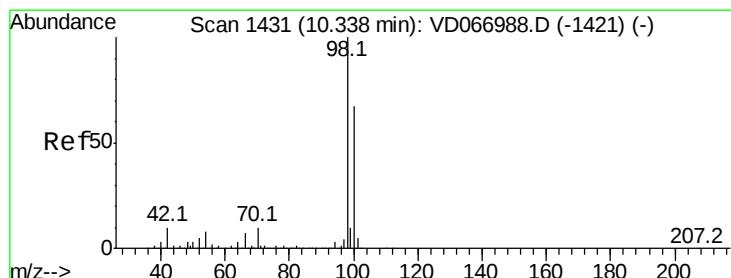
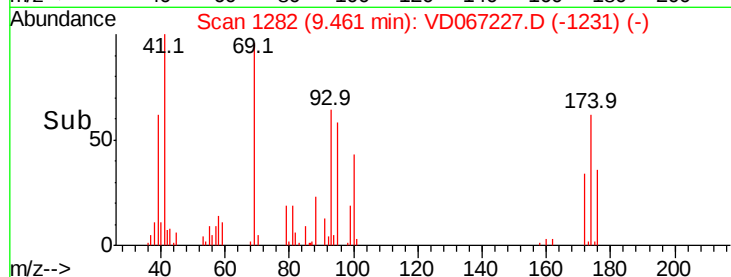
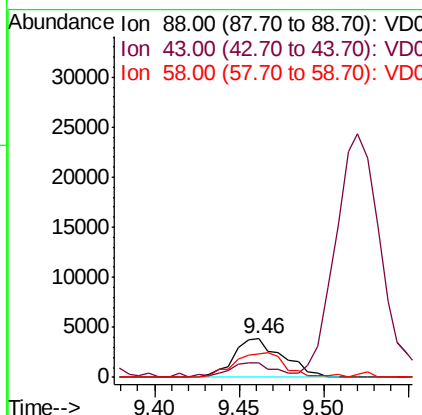
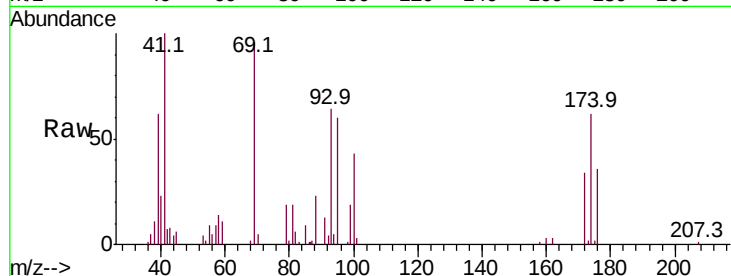




#49
1,4-Dioxane
Concen: 377.484 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

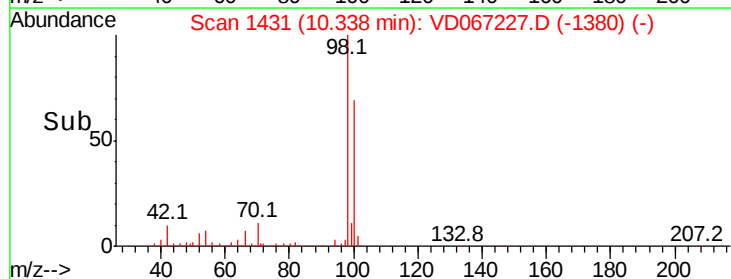
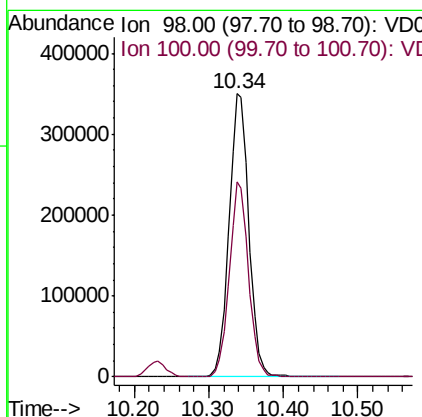
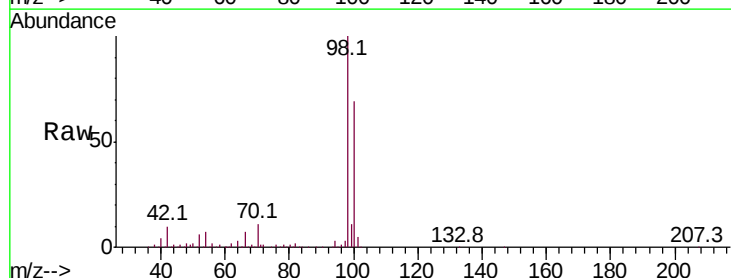
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

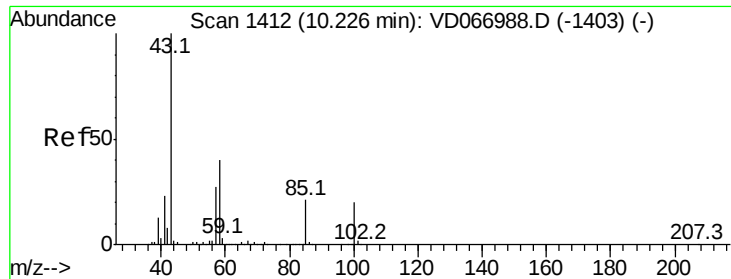
Tot Ion: 88 Resp: 7793
Ion Ratio Lower Upper
88 100
43 35.1 25.6 38.4
58 67.8 53.5 80.3



#50
Toluene-d8
Concen: 47.920 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 98 Resp: 646761
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 92.663 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

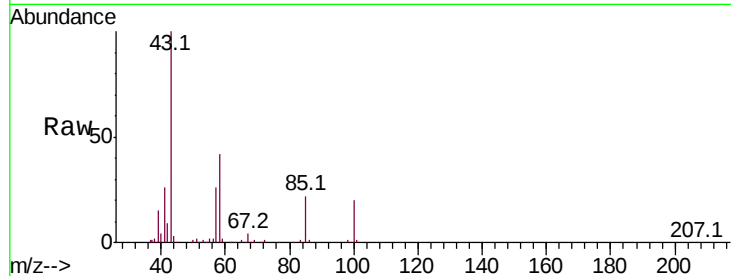
VD1012SBS01

Tot Ion: 43 Resp: 155336

Ion Ratio Lower Upper

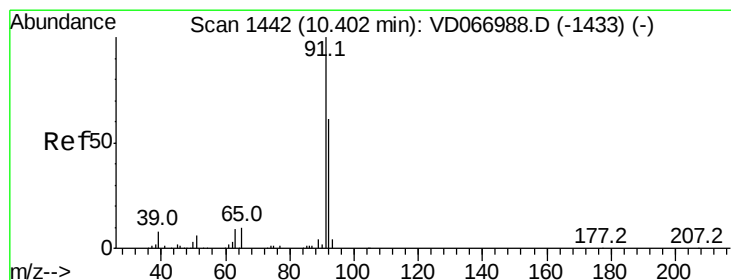
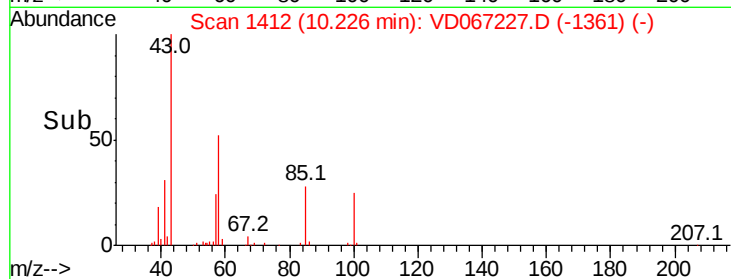
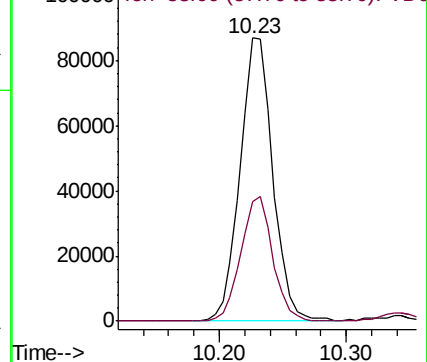
43 100

58 43.0 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.876 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067227.D

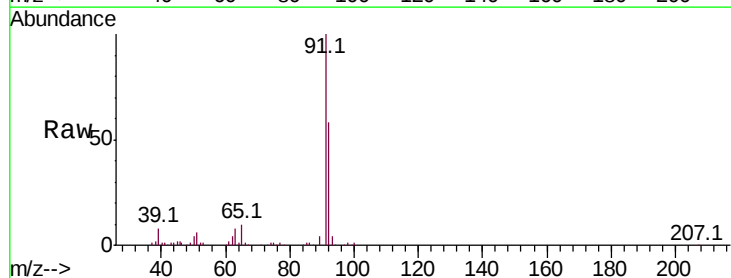
Acq: 12 Oct 2020 12:08

Tgt Ion: 92 Resp: 206414

Ion Ratio Lower Upper

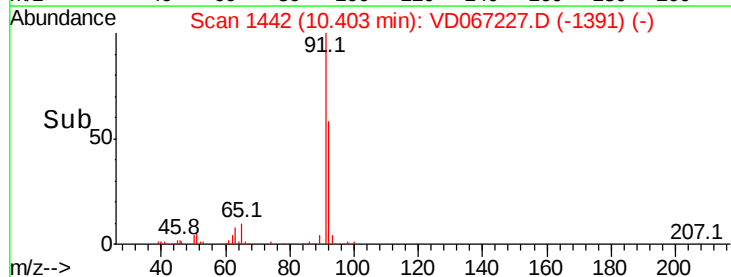
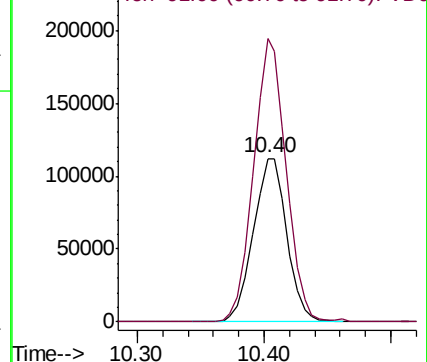
92 100

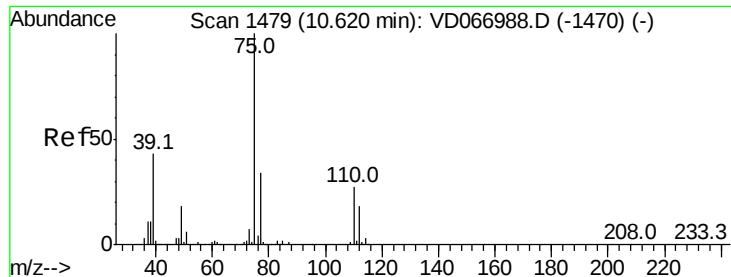
91 168.9 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.341 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

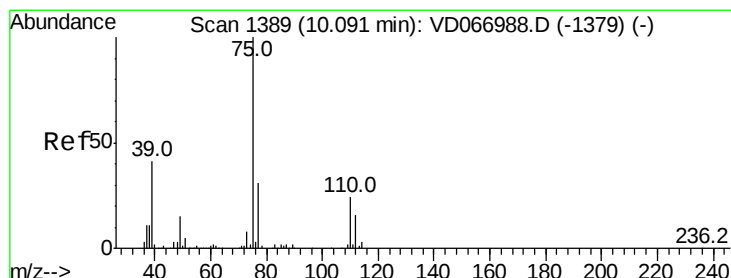
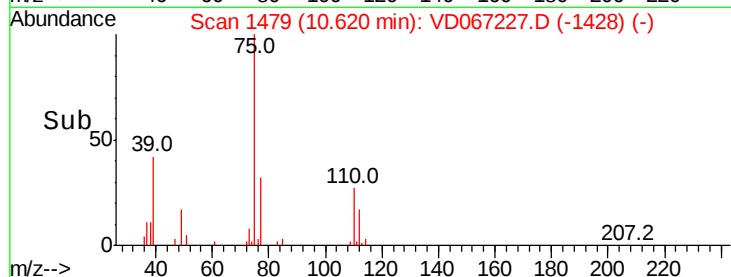
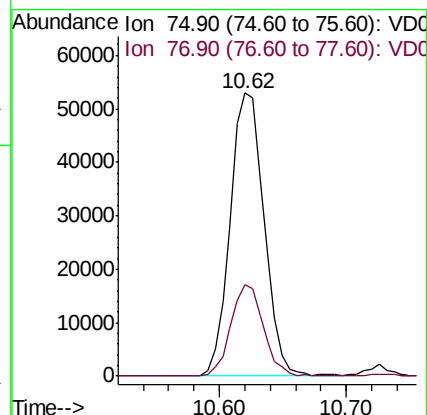
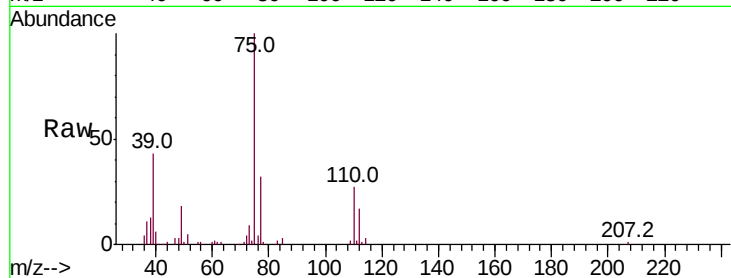
VD1012SBS01

Tot Ion: 75 Resp: 98071

Ion Ratio Lower Upper

75 100

77 32.4 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 20.543 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

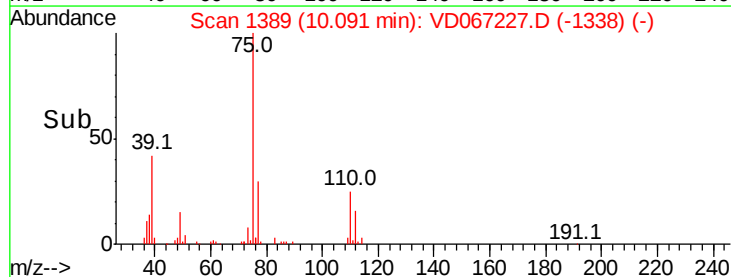
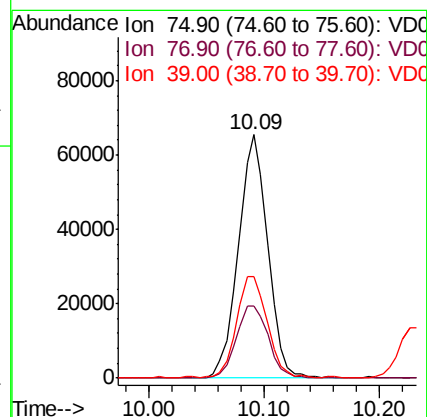
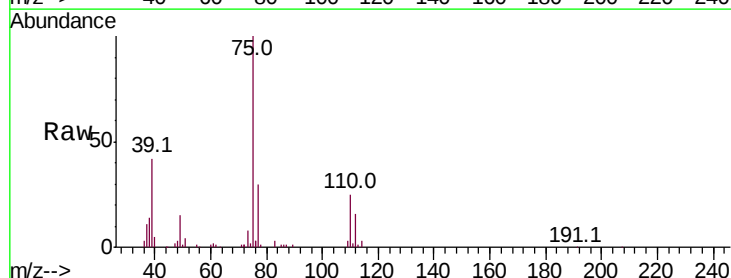
Tgt Ion: 75 Resp: 115277

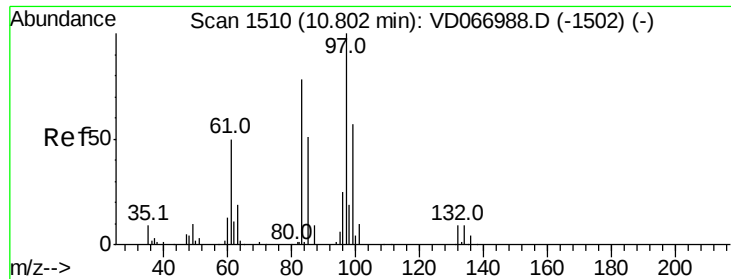
Ion Ratio Lower Upper

75 100

77 29.6 24.6 37.0

39 41.4 33.0 49.4

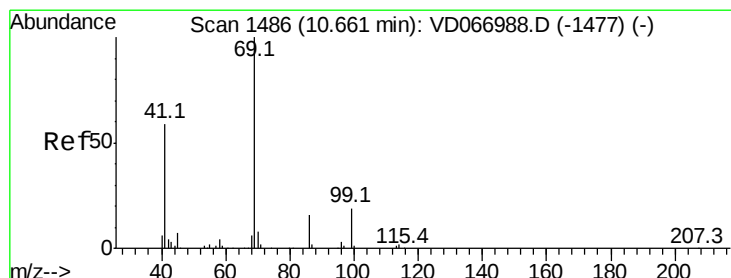
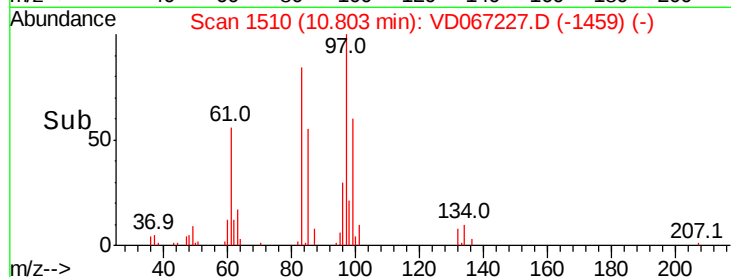
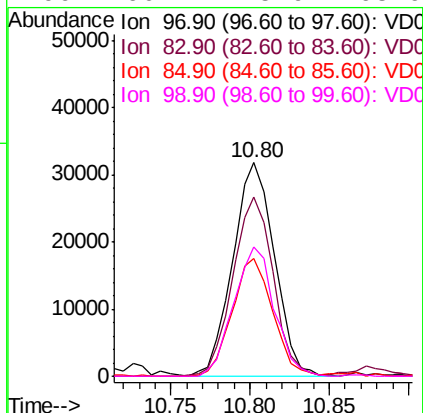
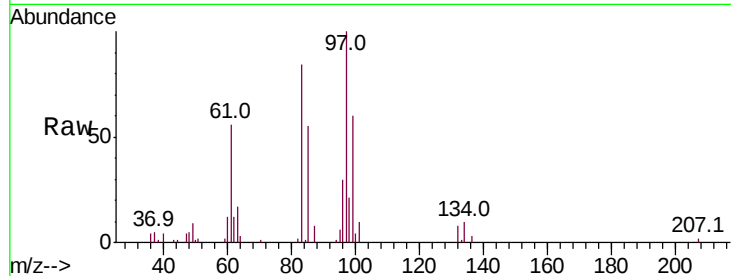




#55
 1,1,2-Trichloroethane
 Concen: 21.122 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

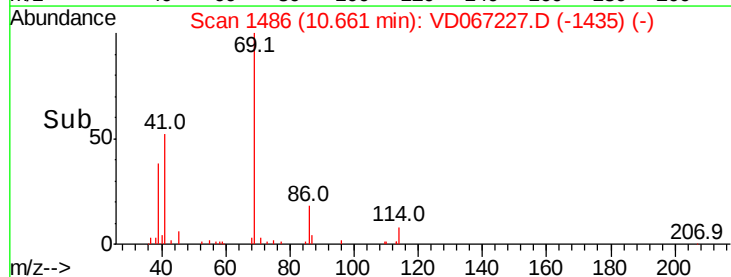
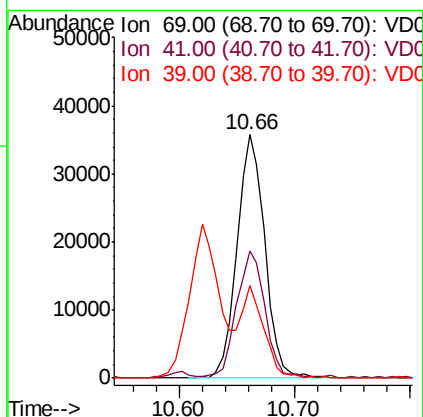
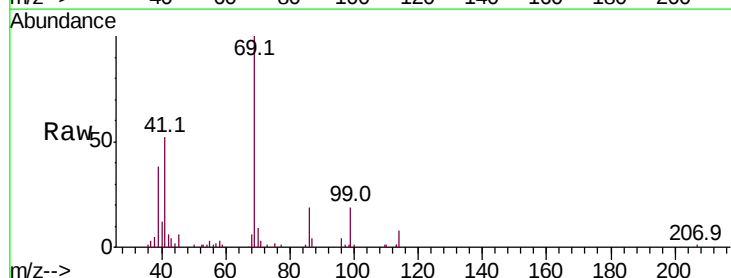
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

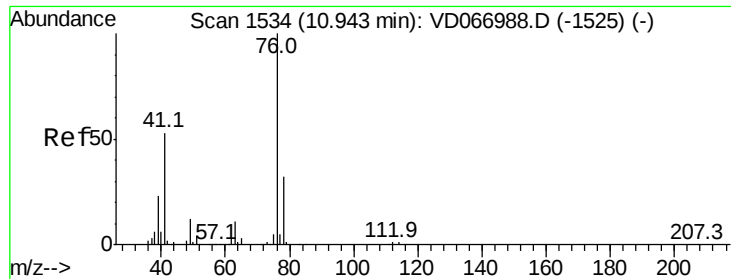
Tot Ion:	97	Resp:	58087
Ion	Ratio	Lower	Upper
97	100		
83	83.3	62.4	93.6
85	55.2	41.0	61.4
99	60.4	45.9	68.9



#56
 Ethyl methacrylate
 Concen: 20.938 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion:	69	Resp:	59450
Ion	Ratio	Lower	Upper
69	100		
41	53.9	46.4	69.6
39	33.7	23.8	35.6





#57

1,3-Dichloropropane

Concen: 20.710 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

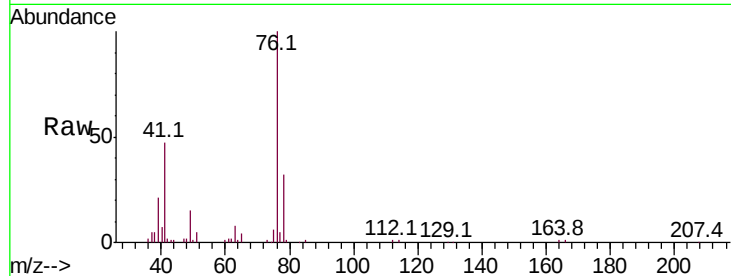
VD1012SBS01

Tot Ion: 76 Resp: 92360

Ion Ratio Lower Upper

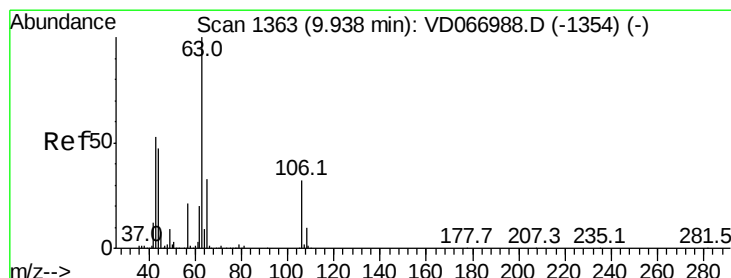
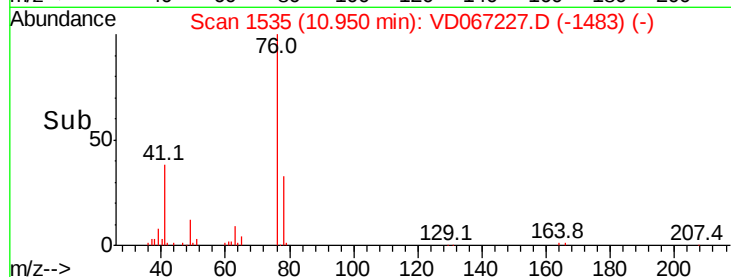
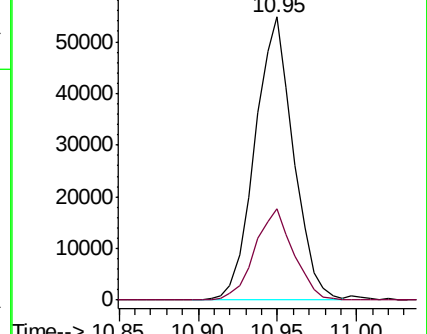
76 100

78 32.5 25.8 38.8



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: 102.242 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067227.D

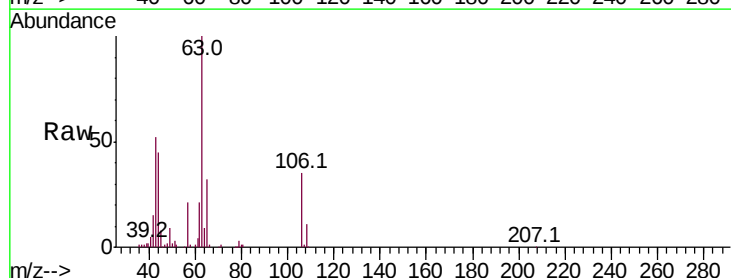
Acq: 12 Oct 2020 12:08

Tgt Ion: 63 Resp: 161574

Ion Ratio Lower Upper

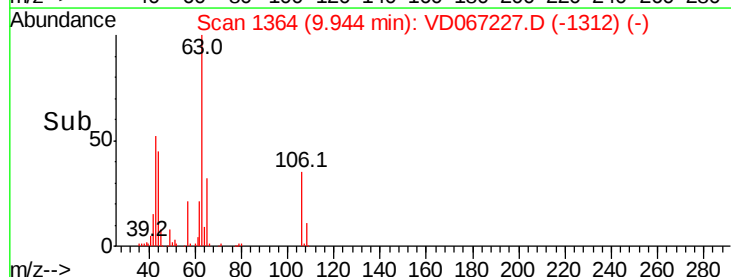
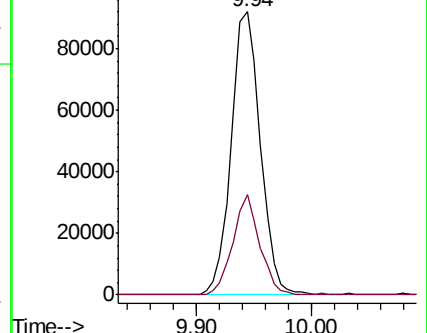
63 100

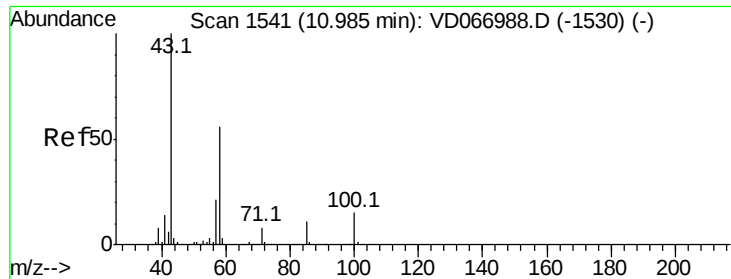
106 32.4 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

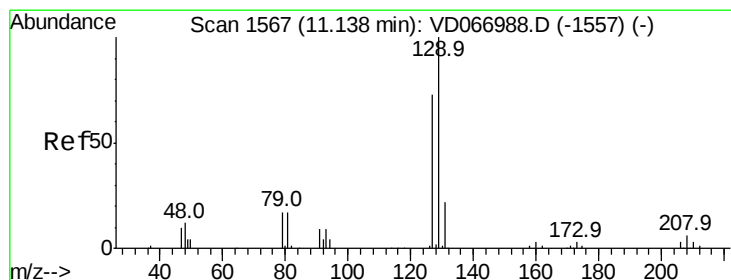
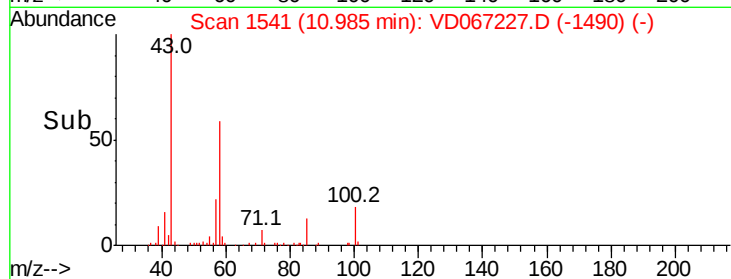
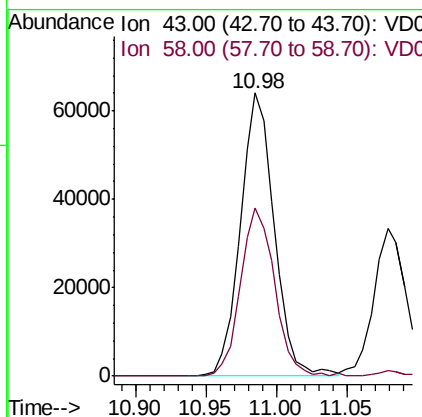
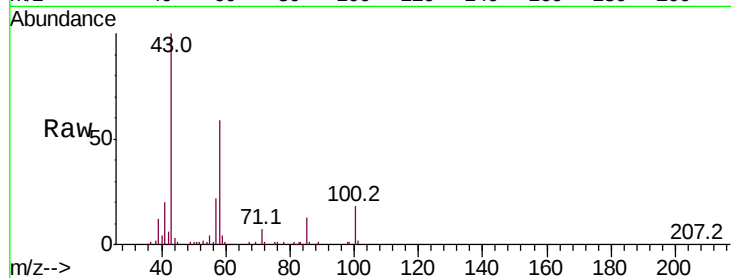




#59
2-Hexanone
Concen: 95.772 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

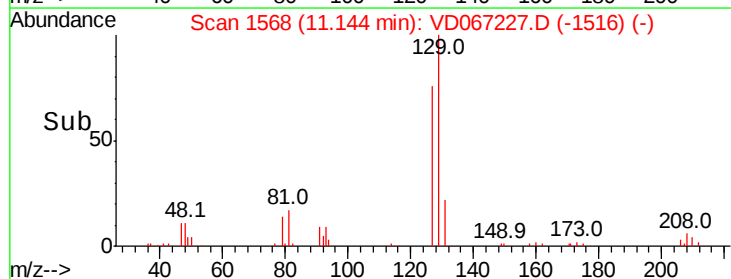
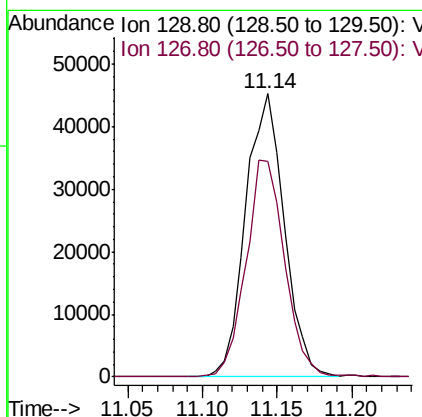
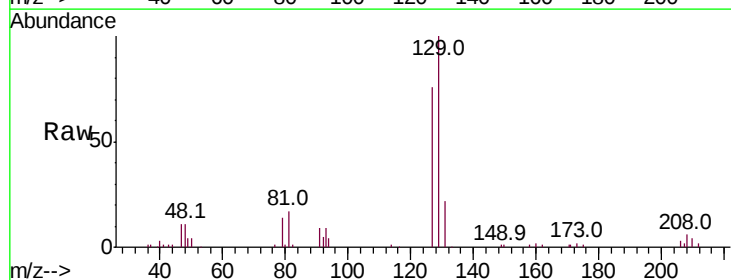
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

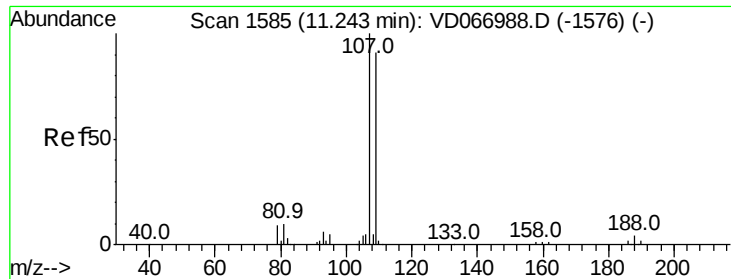
Tot Ion: 43 Resp: 107157
Ion Ratio Lower Upper
43 100
58 60.3 28.3 84.9



#60
Dibromochloromethane
Concen: 22.026 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 129 Resp: 80733
Ion Ratio Lower Upper
129 100
127 77.1 37.4 112.1

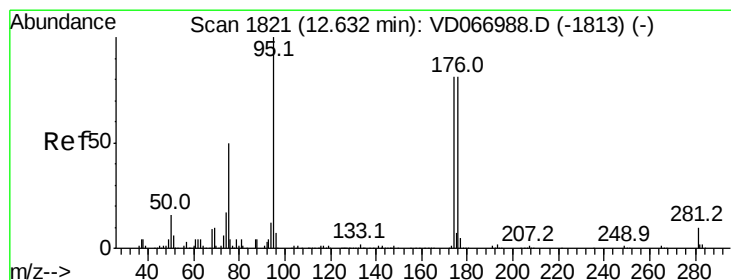
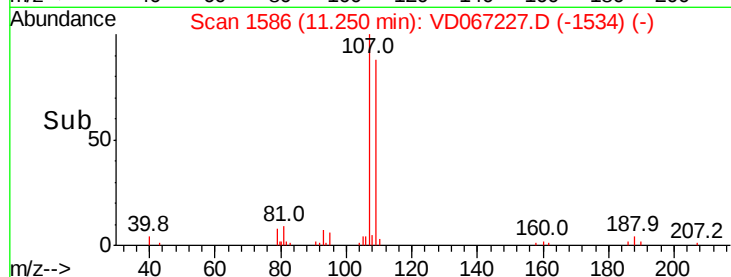
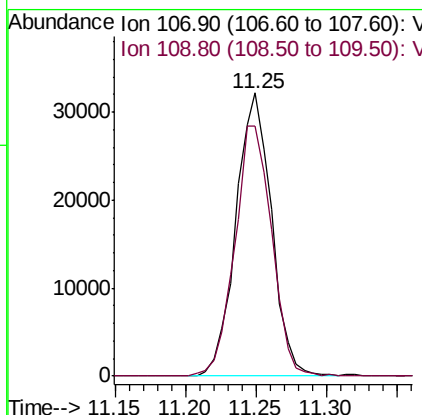
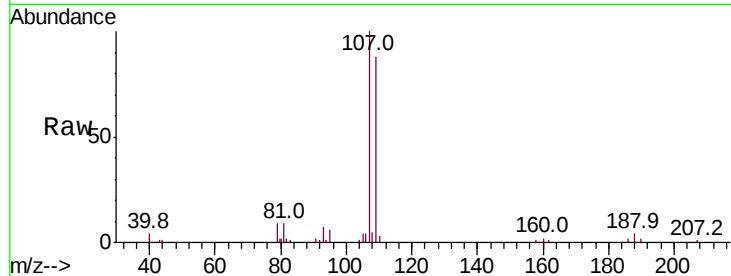




#61
 1,2-Dibromoethane
 Concen: 21.439 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

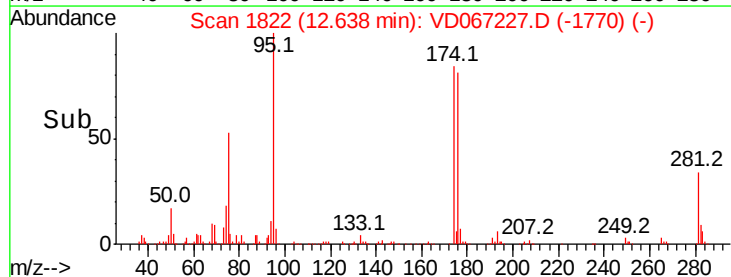
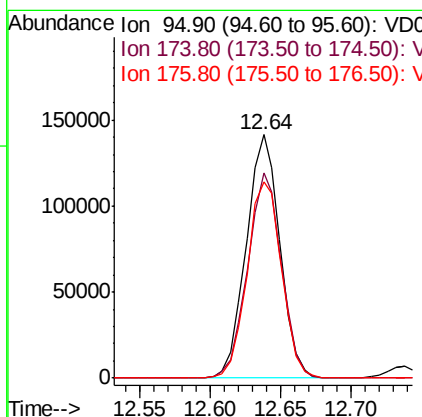
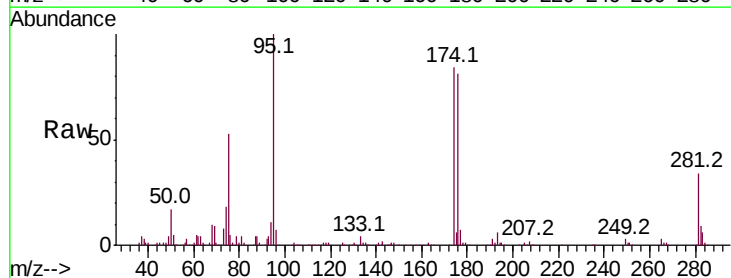
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

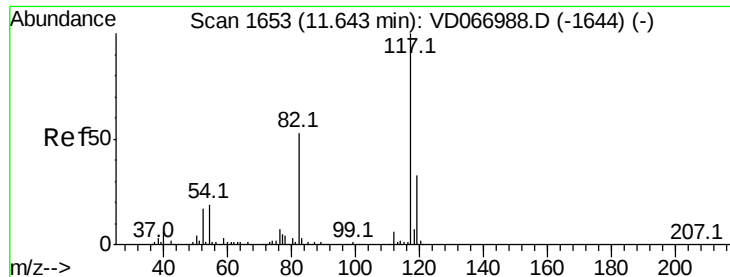
Tot Ion:107 Resp: 56643
 Ion Ratio Lower Upper
 107 100
 109 92.1 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 51.582 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion: 95 Resp: 236339
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 167.6
 176 82.8 0.0 162.4

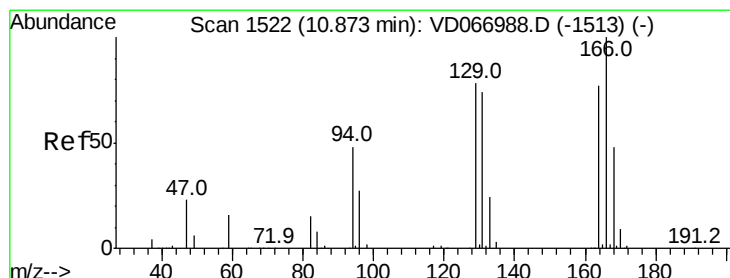
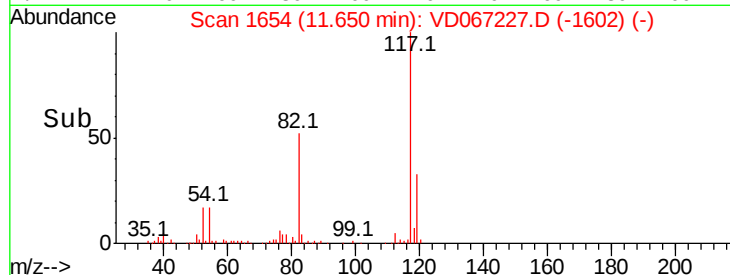
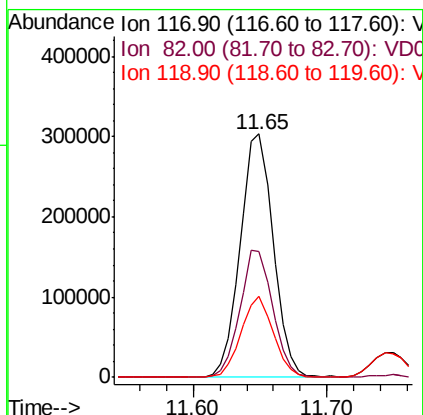
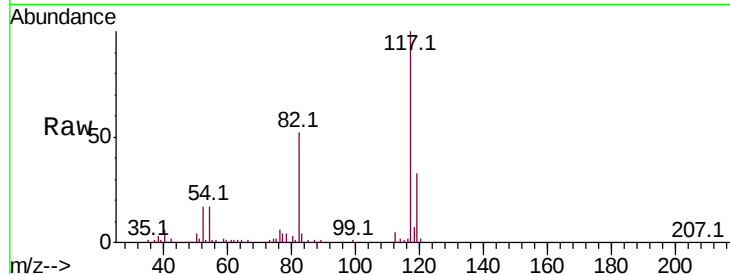




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

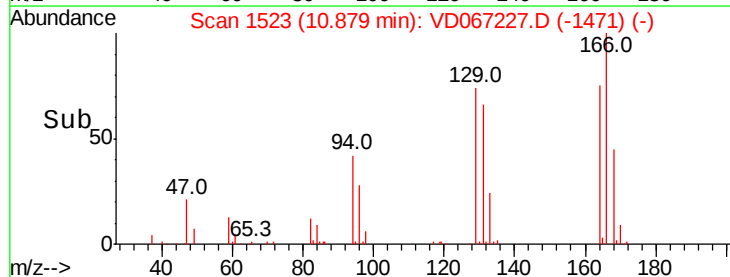
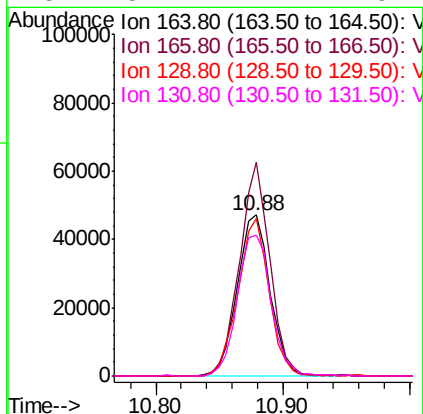
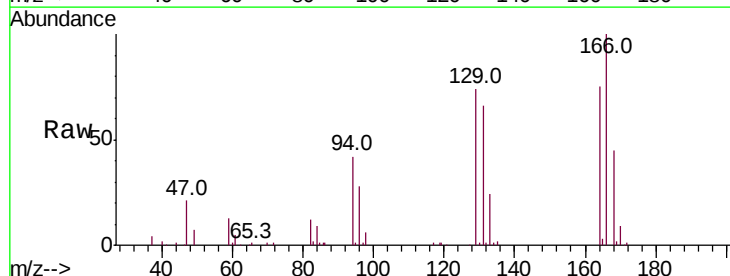
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

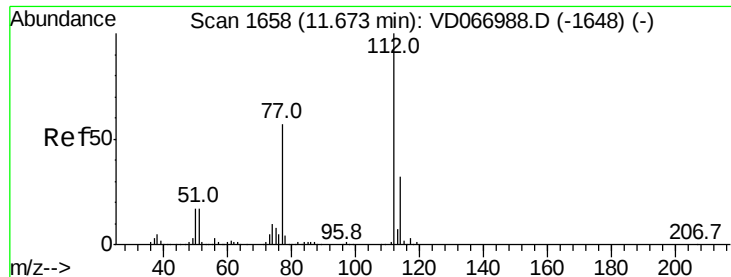
Tot Ion:117 Resp: 519974
Ion Ratio Lower Upper
117 100
82 51.7 42.6 63.8
119 33.3 26.3 39.5



#64
Tetrachloroethene
Concen: 22.457 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion:164 Resp: 84893
Ion Ratio Lower Upper
164 100
166 132.6 104.4 156.6
129 97.9 81.3 121.9
131 87.7 77.1 115.7





#65

Chlorobenzene

Concen: 21.333 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

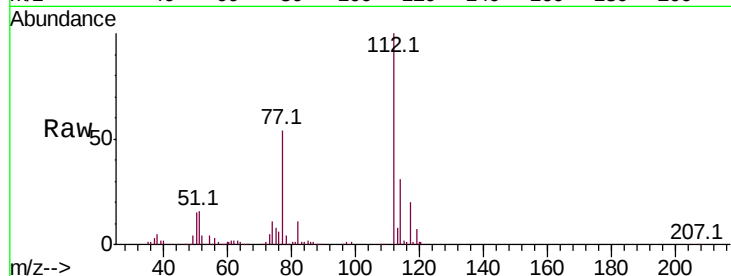
VD1012SBS01

Tot Ion:112 Resp: 220614

Ion Ratio Lower Upper

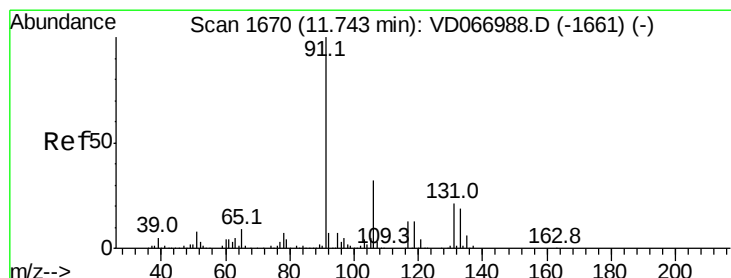
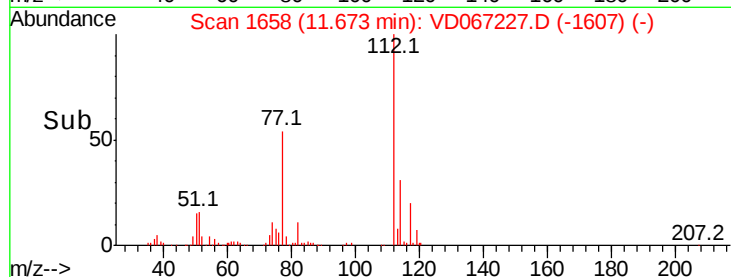
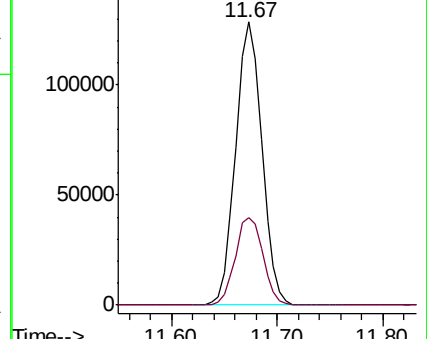
112 100

114 31.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.395 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

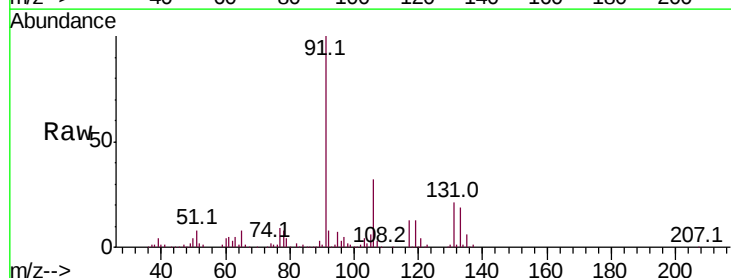
Tgt Ion:131 Resp: 88097

Ion Ratio Lower Upper

131 100

133 98.0 47.8 143.3

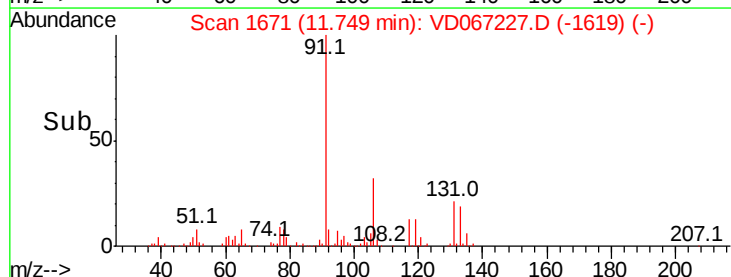
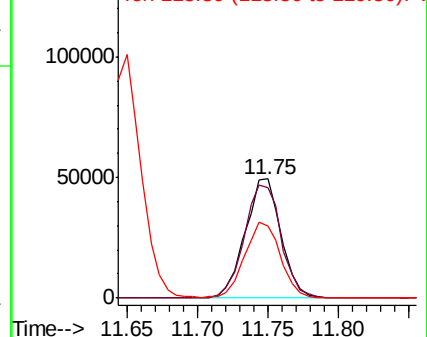
119 63.2 32.3 96.8

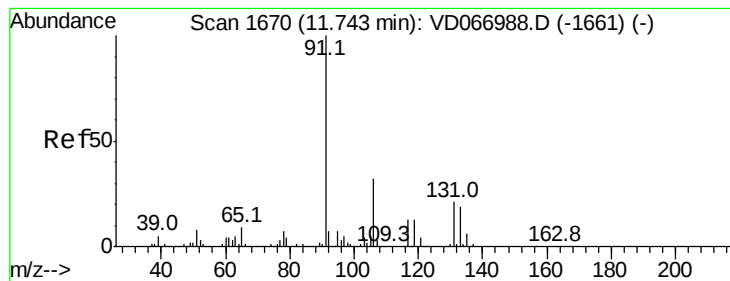


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.983 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

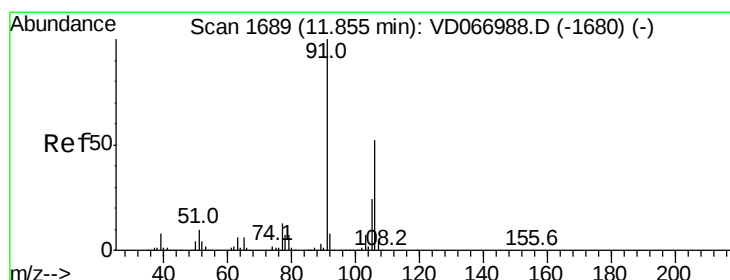
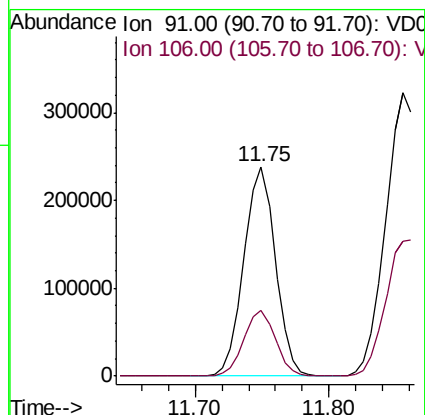
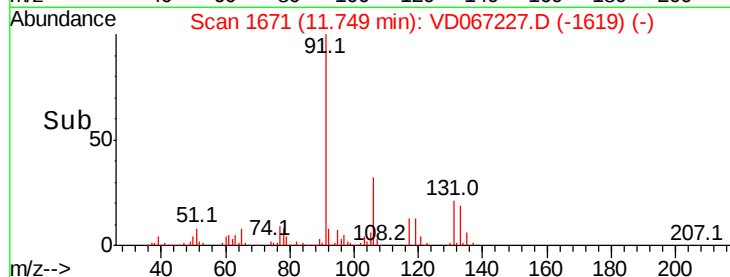
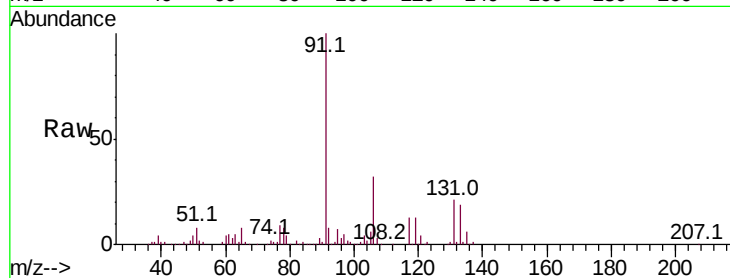
VD1012SBS01

Tot Ion: 91 Resp: 389523

Ion Ratio Lower Upper

91 100

106 31.6 25.4 38.2



#68

m/p-Xylenes

Concen: 44.225 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067227.D

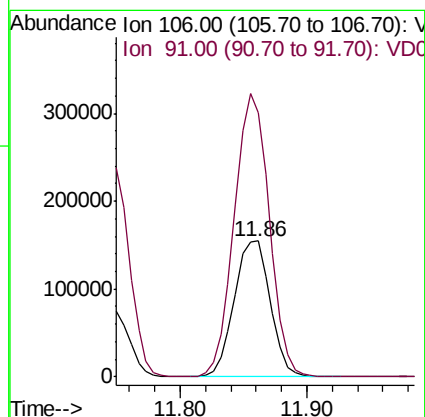
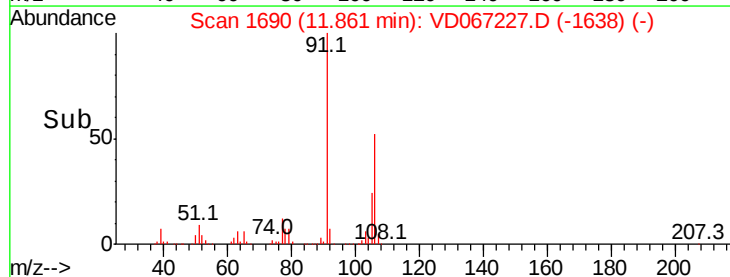
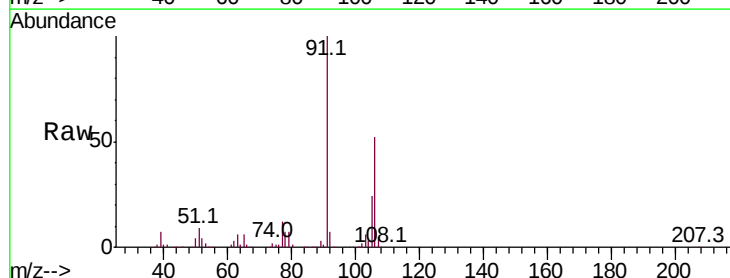
Acq: 12 Oct 2020 12:08

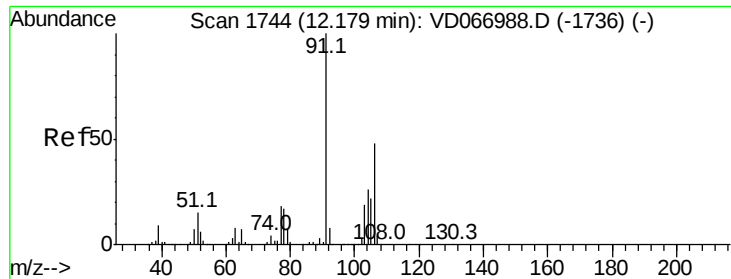
Tgt Ion:106 Resp: 305396

Ion Ratio Lower Upper

106 100

91 202.4 158.4 237.6

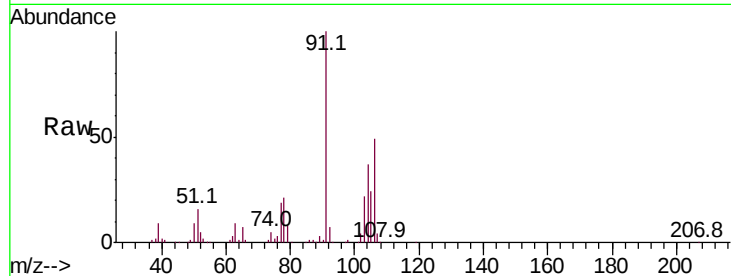




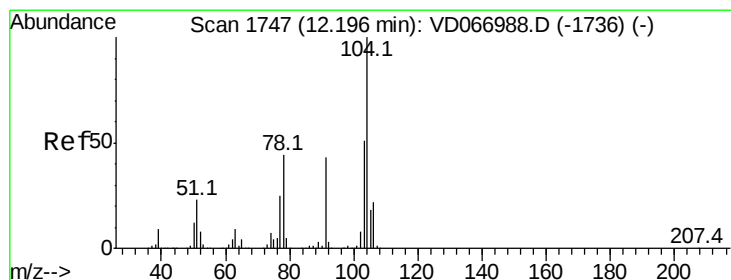
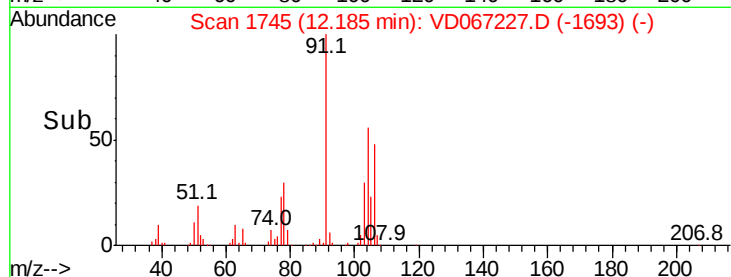
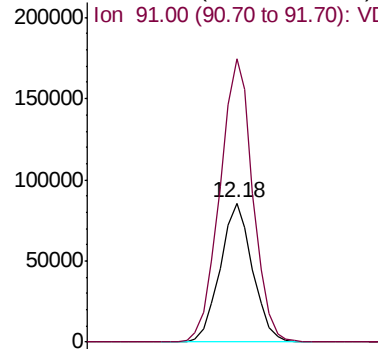
#69
o-Xylene
Concen: 22.289 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion:106 Resp: 137642
Ion Ratio Lower Upper
106 100
91 207.5 102.4 307.2

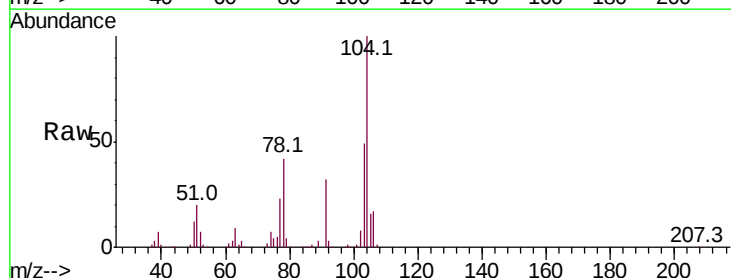


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

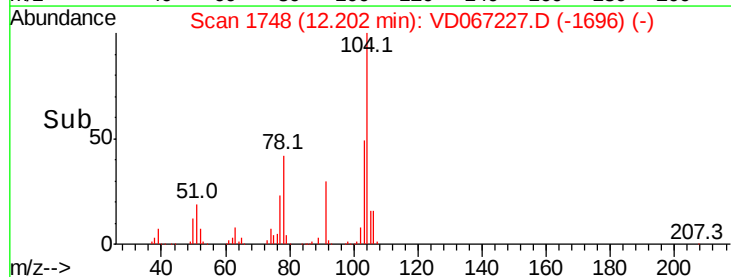
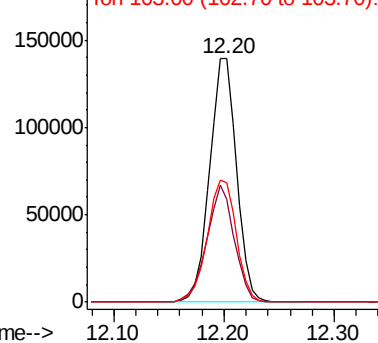


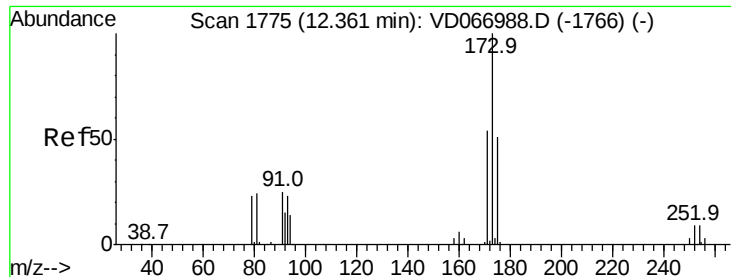
#70
Styrene
Concen: 22.575 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion:104 Resp: 239377
Ion Ratio Lower Upper
104 100
78 49.0 38.6 58.0
103 54.2 43.4 65.0



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





#71

Bromoform

Concen: 22.445 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

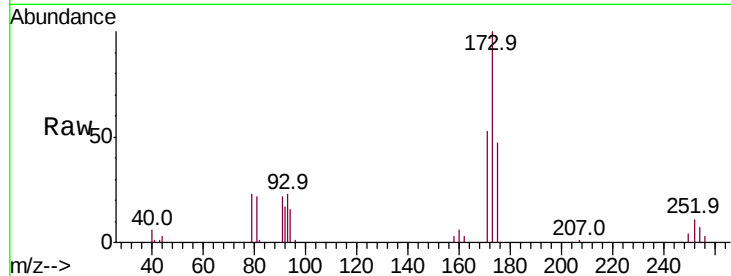
Tot Ion:173 Resp: 45832

Ion Ratio Lower Upper

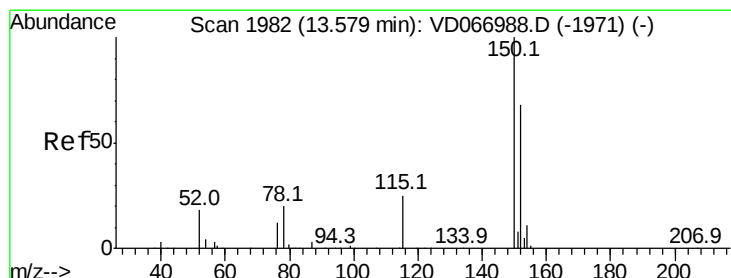
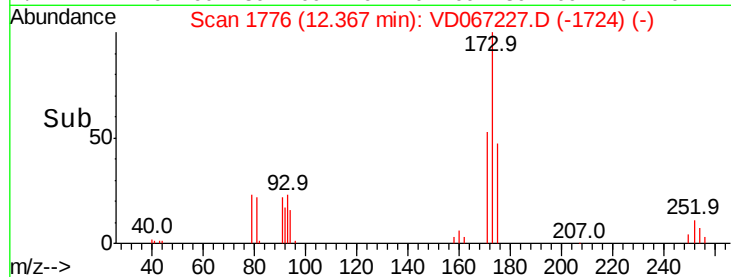
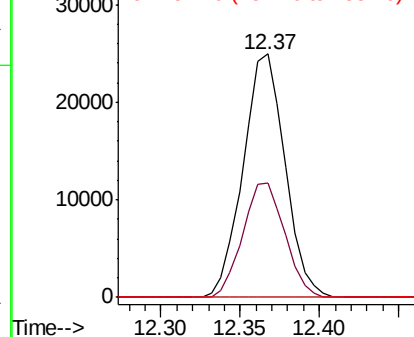
173 100

175 46.8 24.9 74.7

254 0.0 0.2 0.4#



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. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

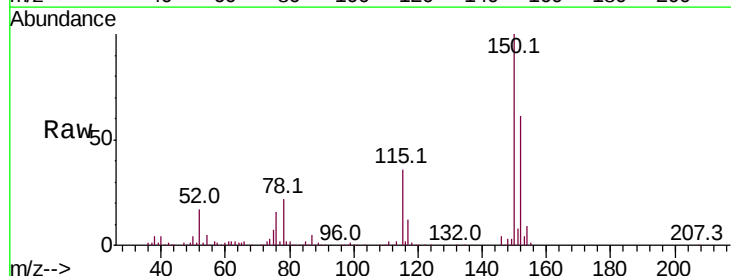
Tgt Ion:152 Resp: 266563

Ion Ratio Lower Upper

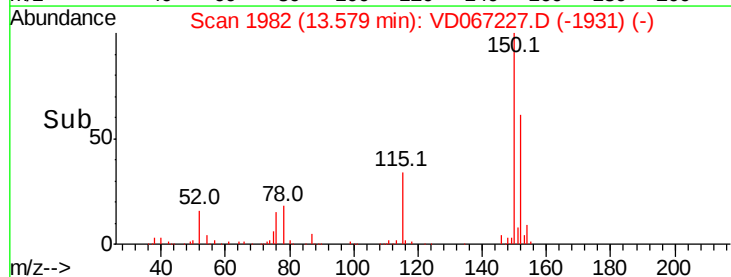
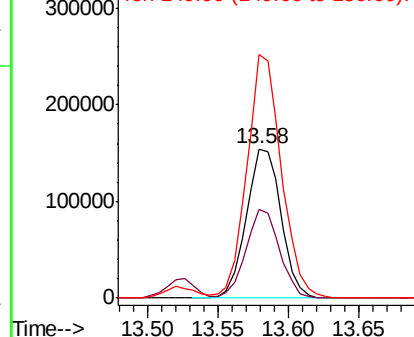
152 100

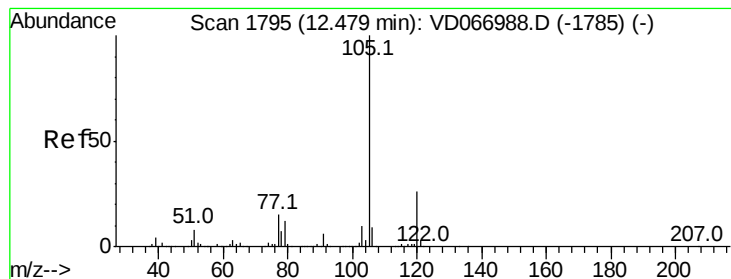
115 57.1 29.6 88.8

150 161.7 0.0 344.8



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: 21.479 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

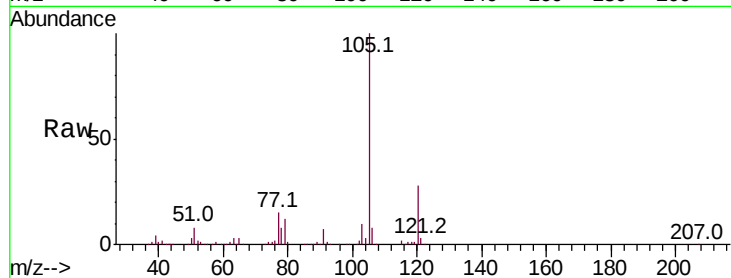
VD1012SBS01

Tot Ion:105 Resp: 388767

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

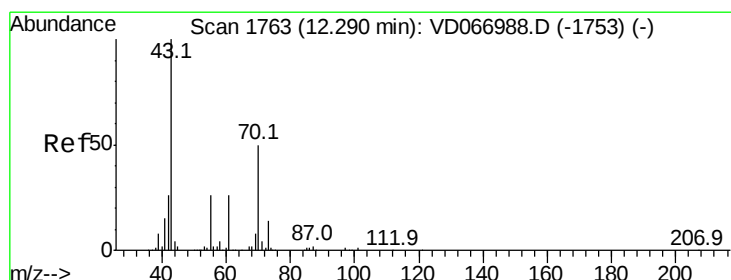
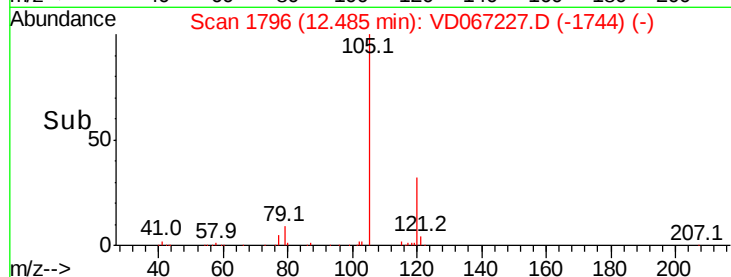
150000

100000

50000

0

Time--> 12.40 12.50



#74

N-ethyl acetate

Concen: 17.620 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion: 43 Resp: 57332

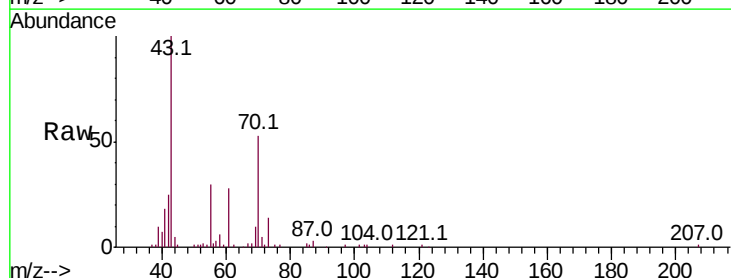
Ion Ratio Lower Upper

43 100

70 52.0 38.2 57.2

55 31.7 22.4 33.6

61 27.9 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

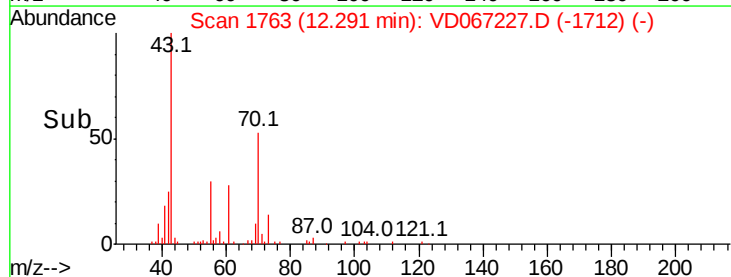
30000

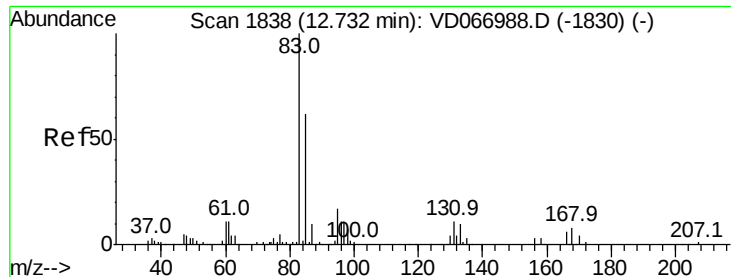
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.795 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

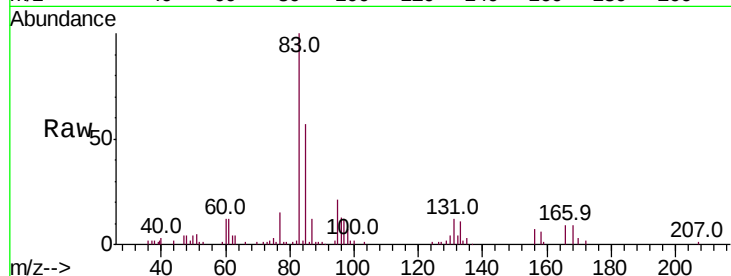
Tot Ion: 83 Resp: 57316

Ion Ratio Lower Upper

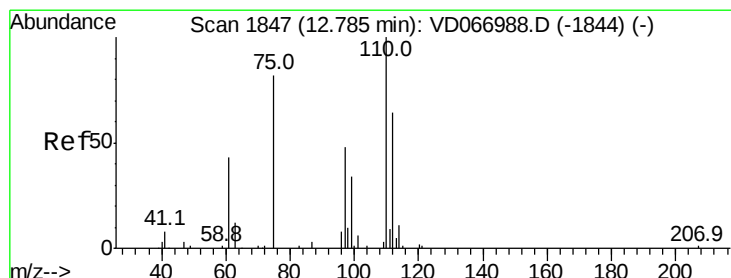
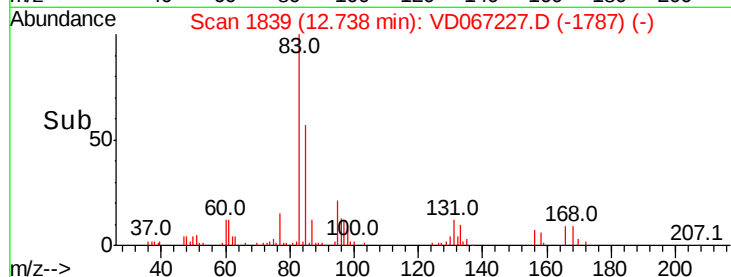
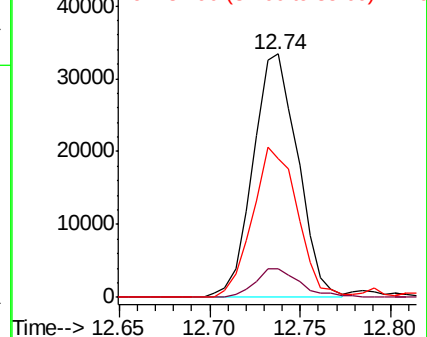
83 100

131 12.1 5.7 17.0

85 62.1 32.0 96.2



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: 33.281 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067227.D

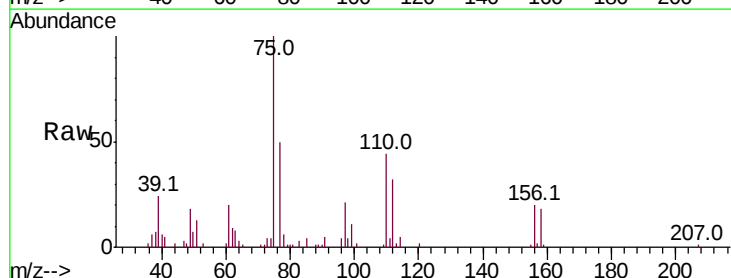
Acq: 12 Oct 2020 12:08

Tgt Ion: 75 Resp: 77273

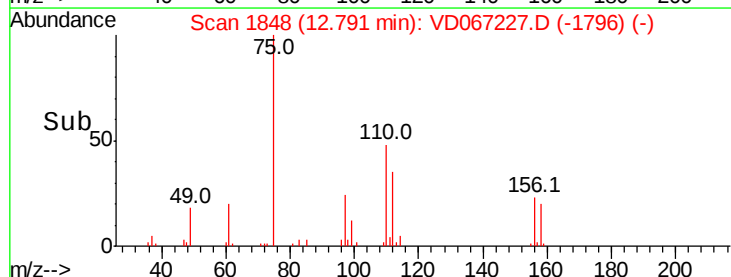
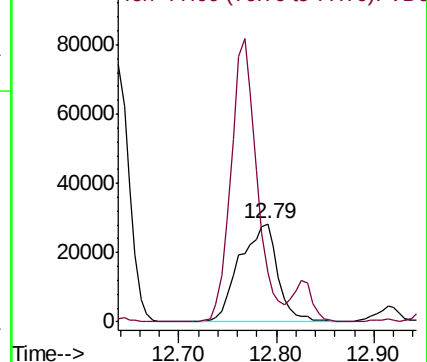
Ion Ratio Lower Upper

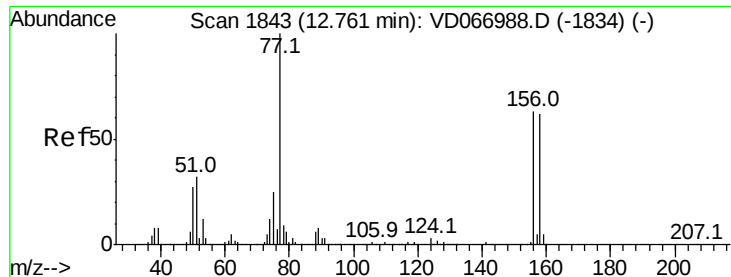
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.588 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

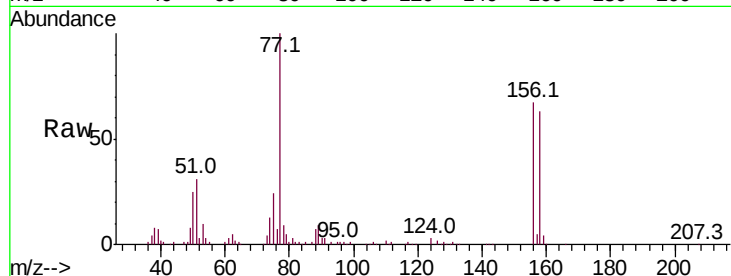
Tot Ion:156 Resp: 94351

Ion Ratio Lower Upper

156 100

77 160.4 86.3 258.8

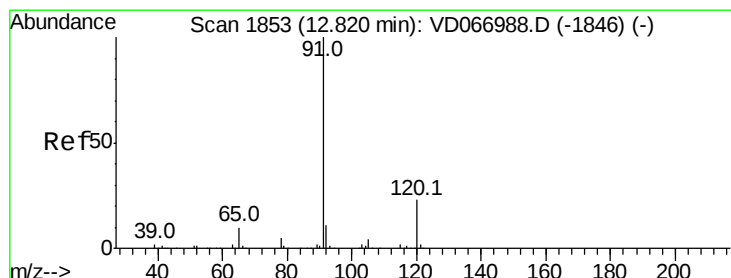
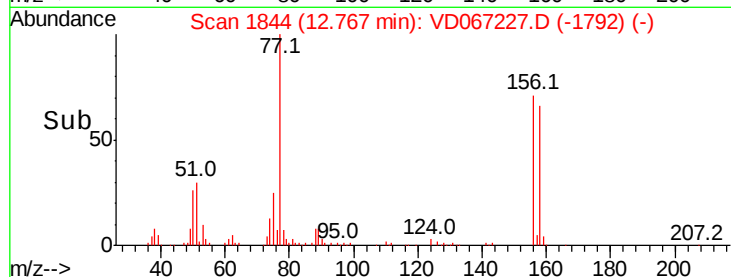
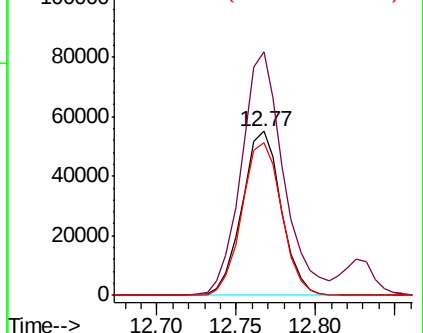
158 94.2 49.5 148.3



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: 21.039 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067227.D

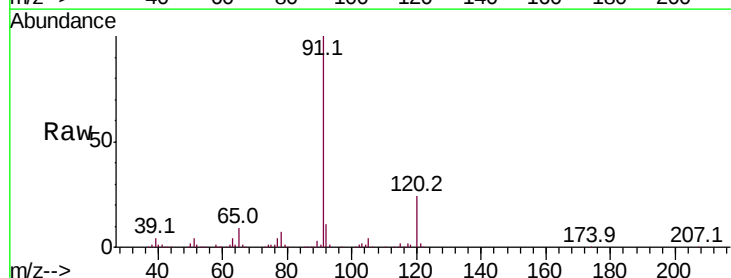
Acq: 12 Oct 2020 12:08

Tgt Ion: 91 Resp: 450045

Ion Ratio Lower Upper

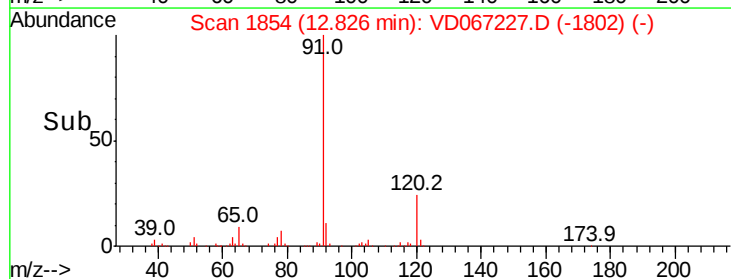
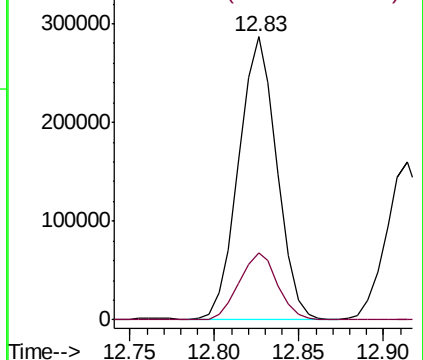
91 100

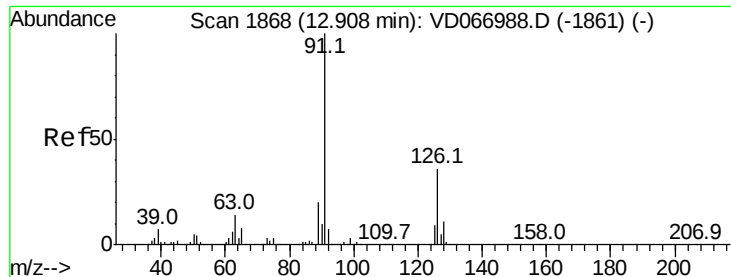
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

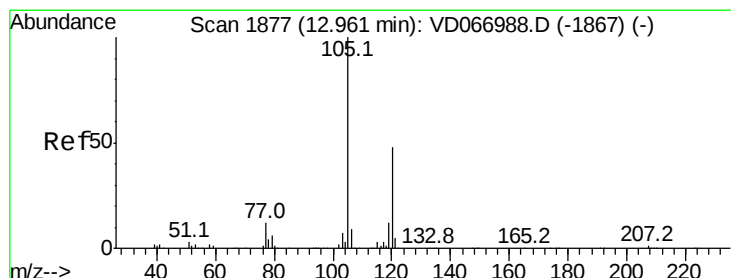
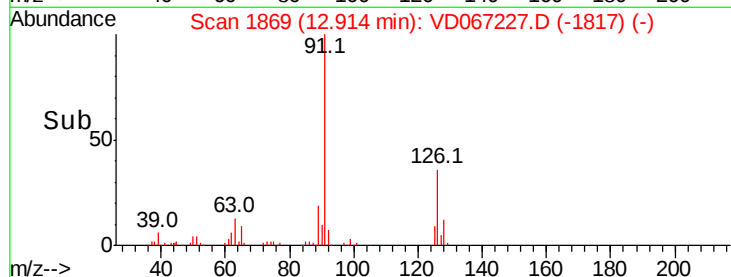
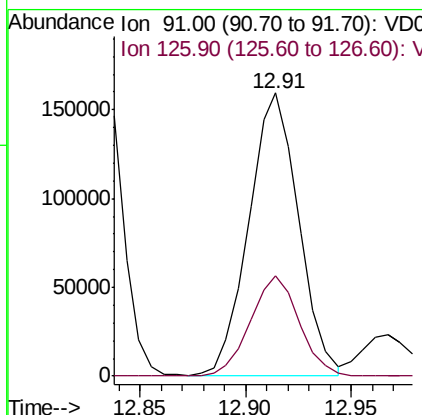
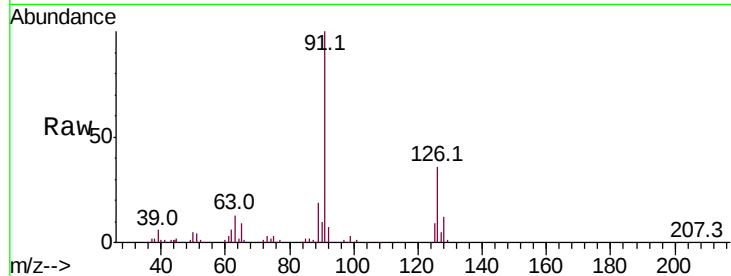




#79
 2-Chlorotoluene
 Concen: 21.315 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

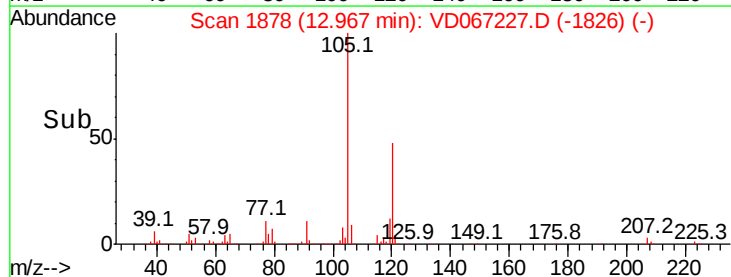
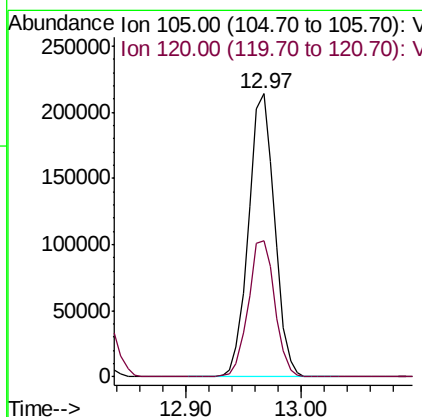
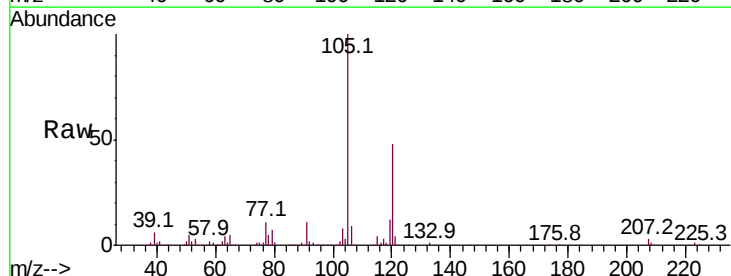
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

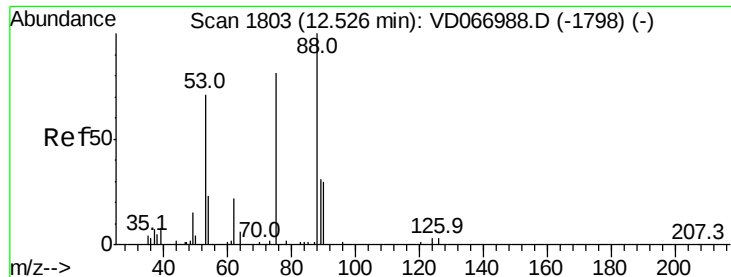
Tot Ion: 91 Resp: 260871
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.5 52.6



#80
 1,3,5-Trimethylbenzene
 Concen: 22.032 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion: 105 Resp: 336928
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.030 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

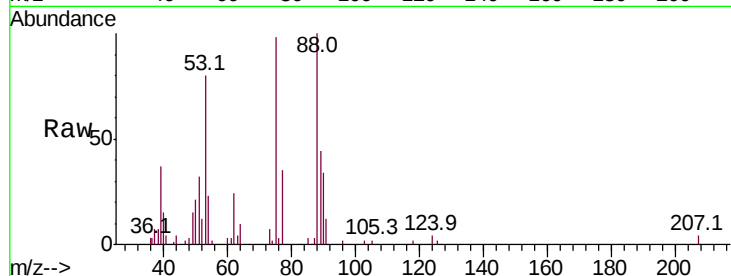
Tot Ion: 75 Resp: 18654

Ion Ratio Lower Upper

75 100

53 86.2 73.8 110.6

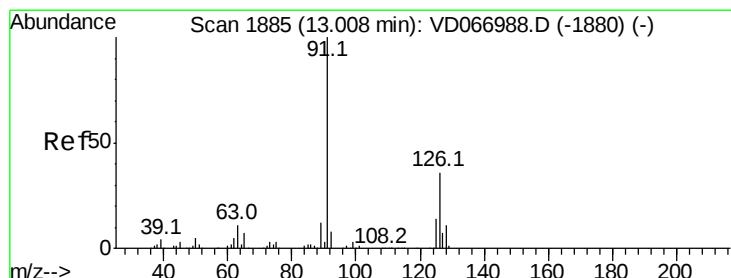
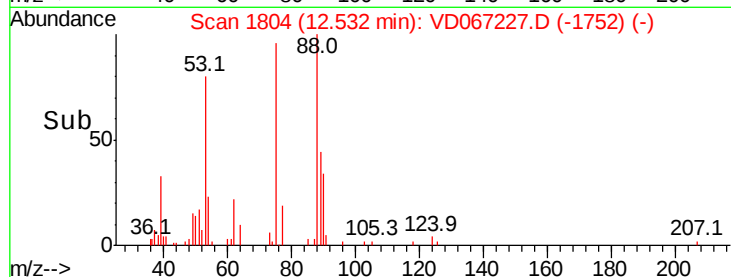
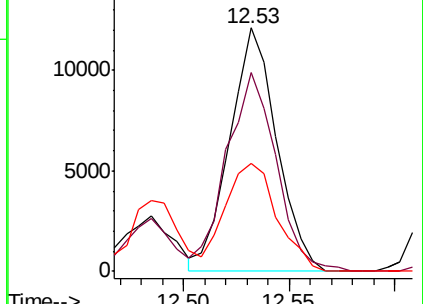
89 49.1 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.089 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067227.D

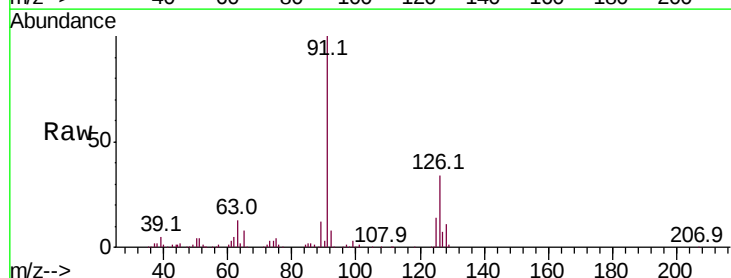
Acq: 12 Oct 2020 12:08

Tgt Ion: 91 Resp: 274614

Ion Ratio Lower Upper

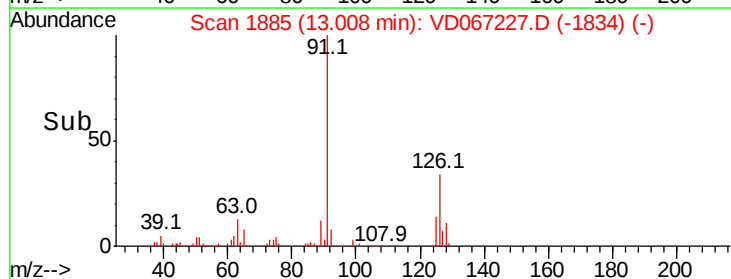
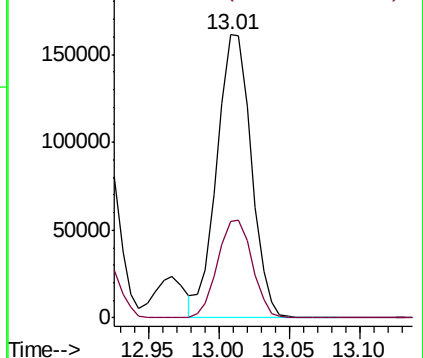
91 100

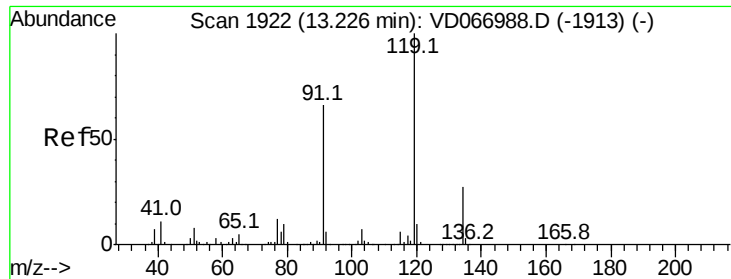
126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

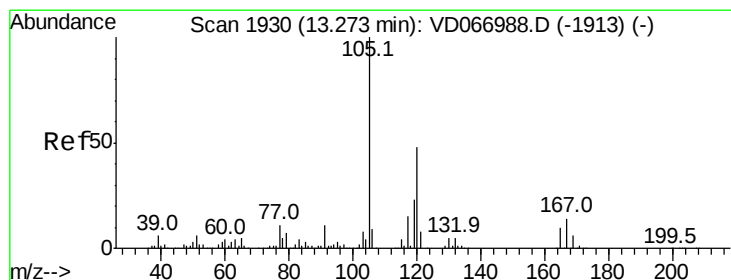
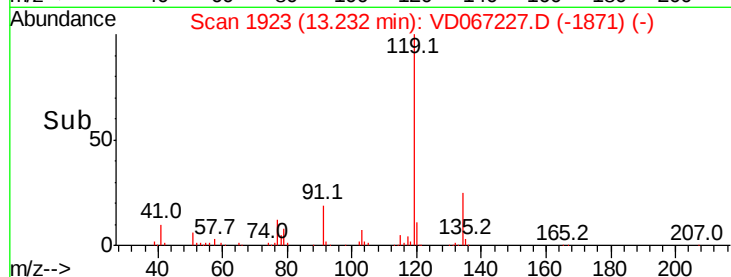
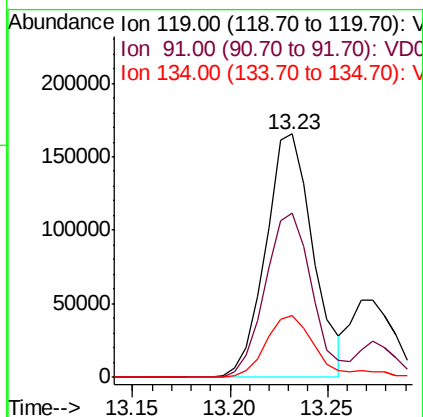
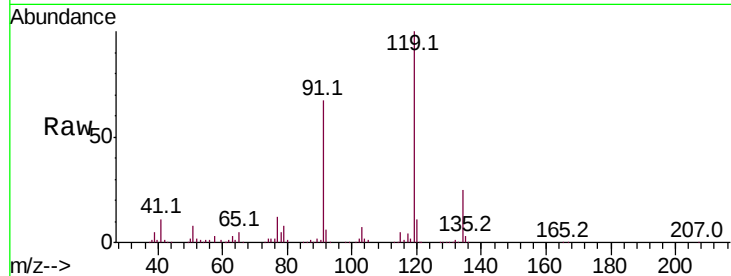




#83
tert-Butylbenzene
Concen: 21.620 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

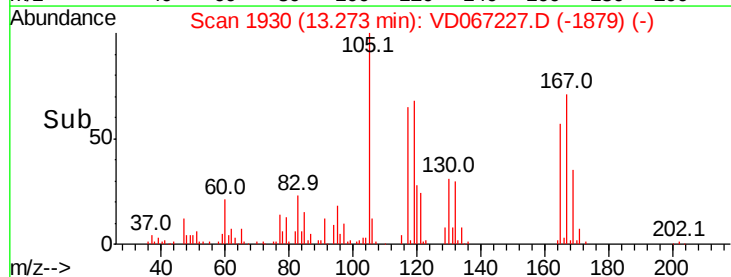
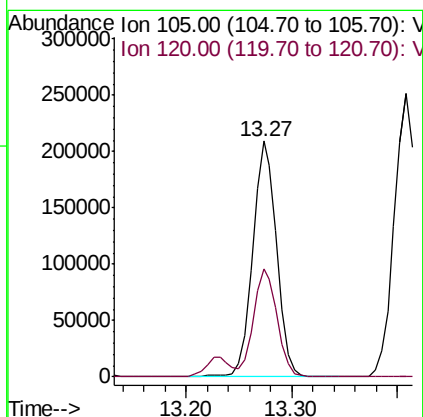
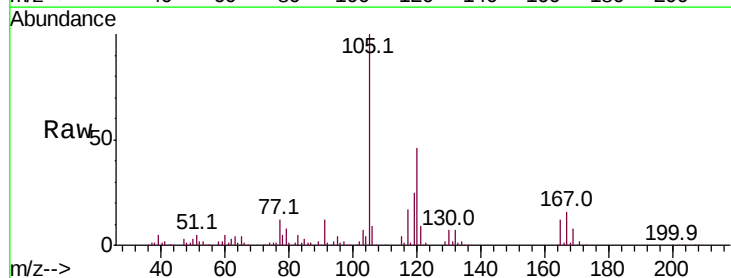
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

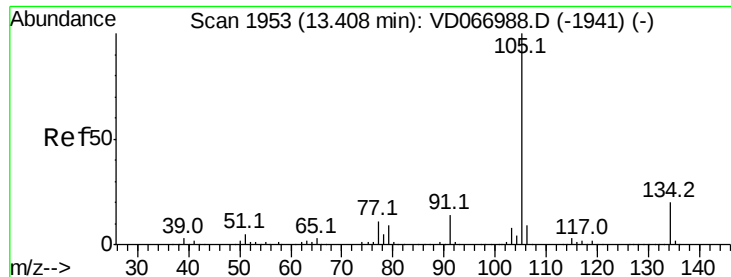
Tot Ion:119 Resp: 278419
Ion Ratio Lower Upper
119 100
91 67.6 32.8 98.3
134 27.3 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 21.647 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion:105 Resp: 330356
Ion Ratio Lower Upper
105 100
120 45.1 23.3 69.8

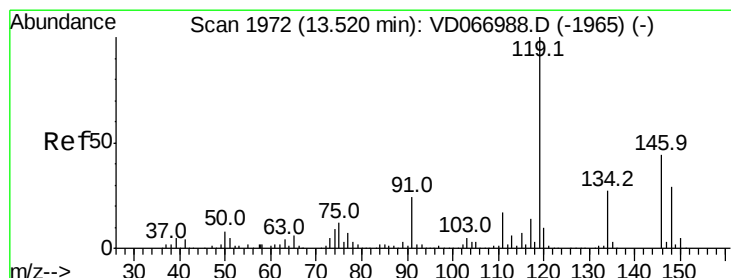
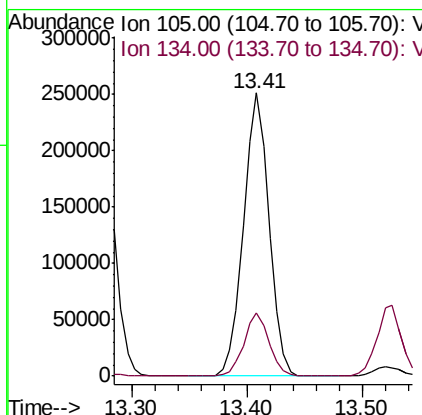
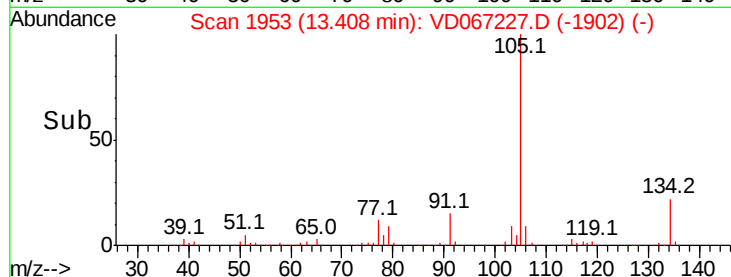
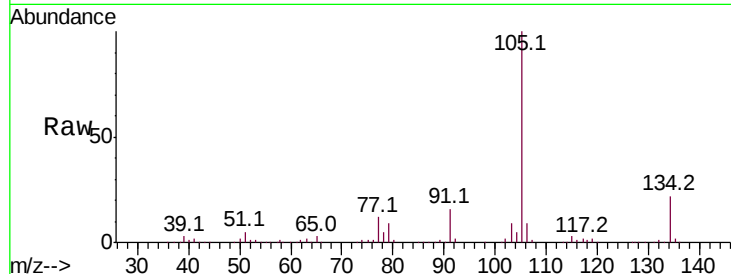




#85
 sec-Butylbenzene
 Concen: 21.208 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

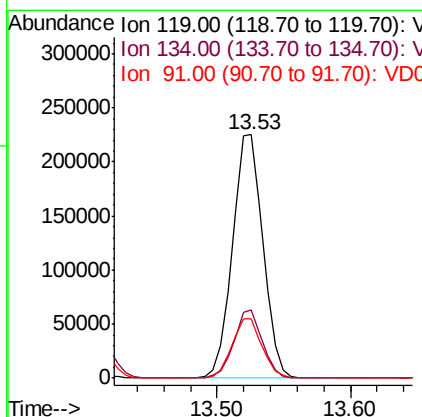
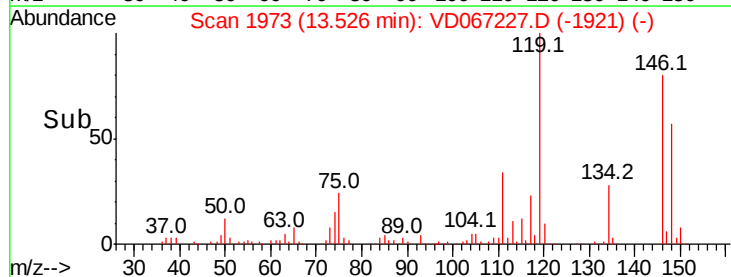
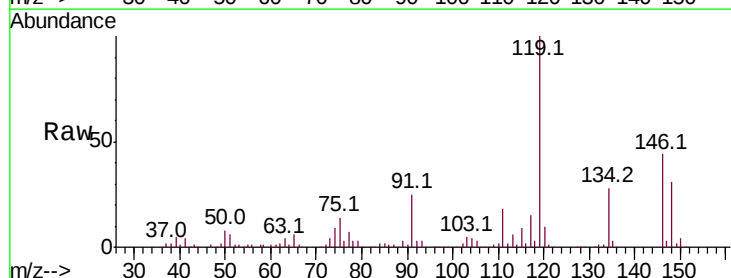
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

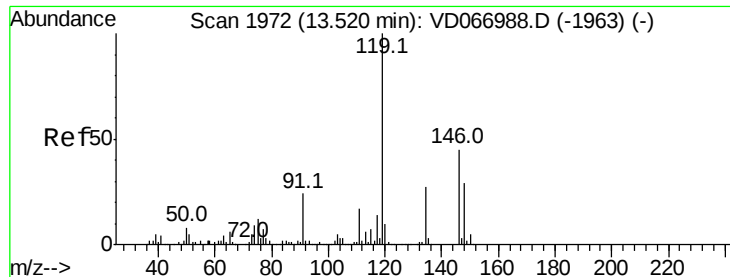
Tot Ion:105 Resp: 384611
 Ion Ratio Lower Upper
 105 100
 134 21.9 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.262 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion:119 Resp: 357474
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 24.1 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 20.682 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

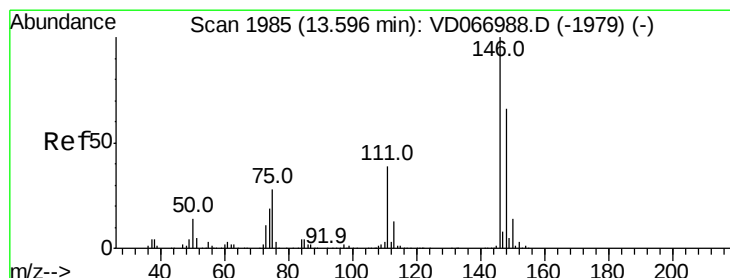
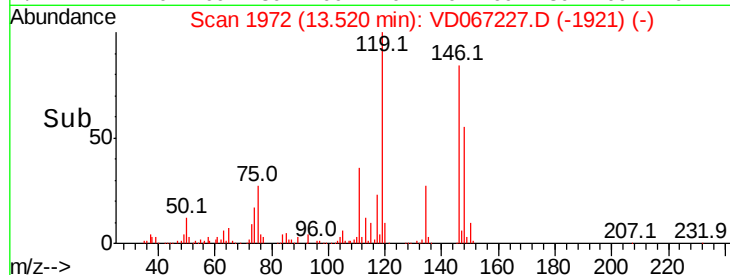
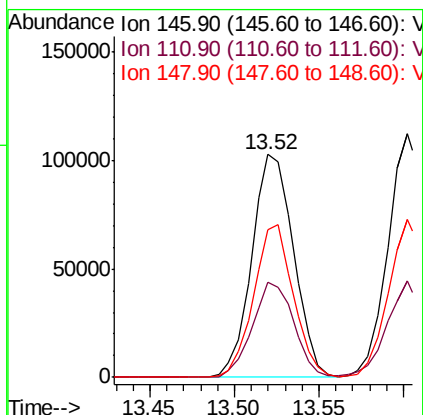
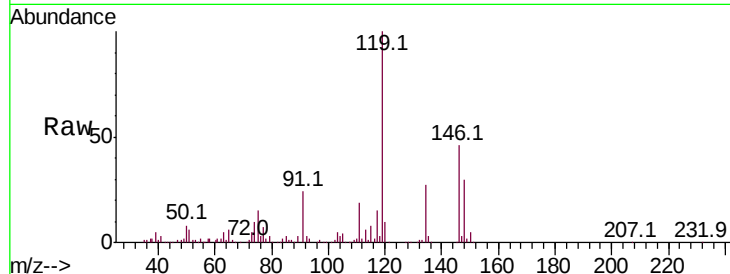
Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion:146 Resp: 176067

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.0	60.0
148	65.0	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 21.108 ug/l

RT: 13.60 min Scan# 1986

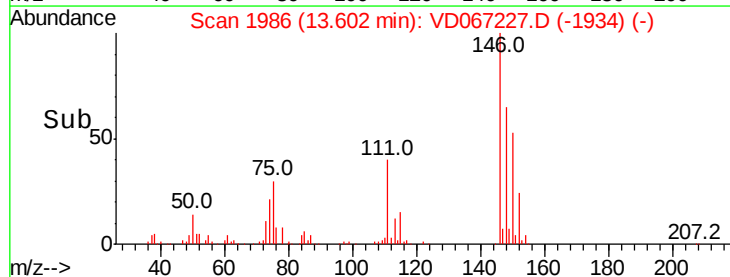
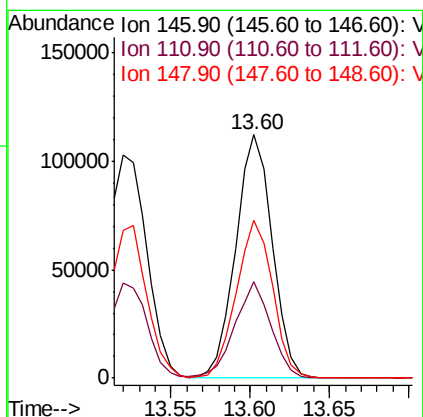
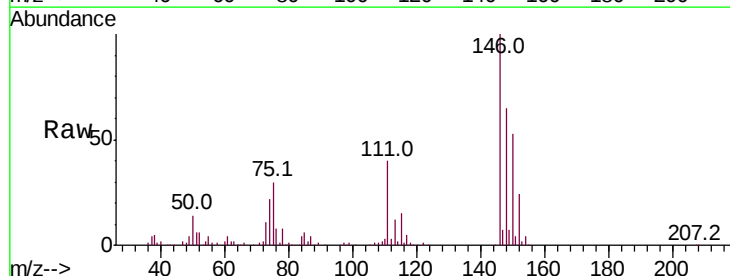
Delta R.T. 0.01 min

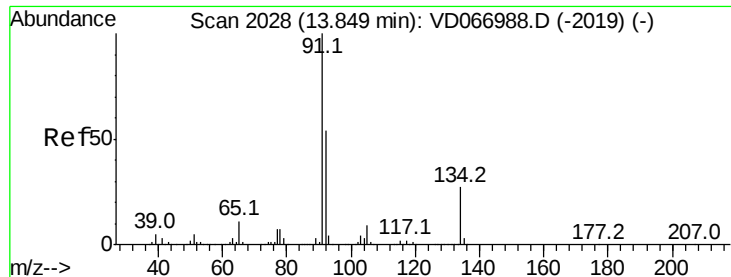
Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Tgt Ion:146 Resp: 179672

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.6	58.7
148	64.6	32.6	97.7

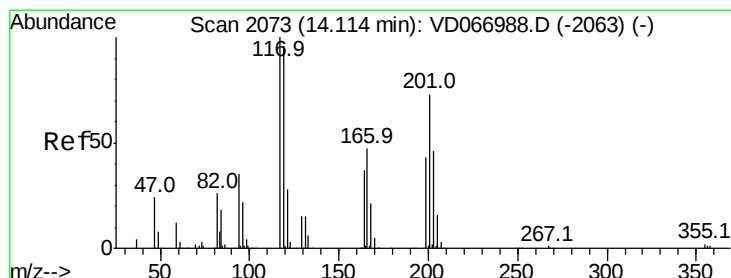
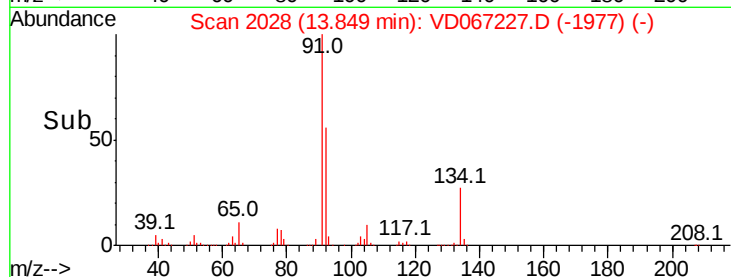
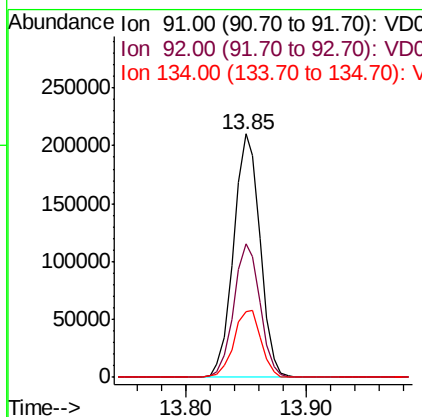
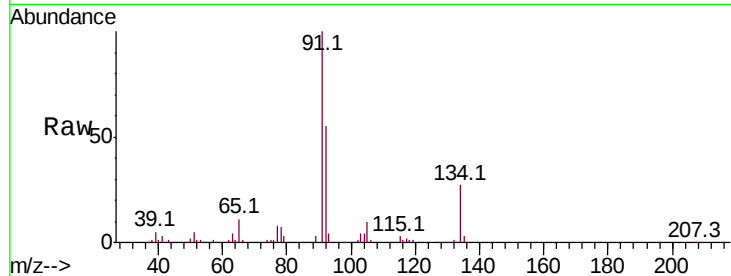




#89
n-Butylbenzene
Concen: 20.852 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

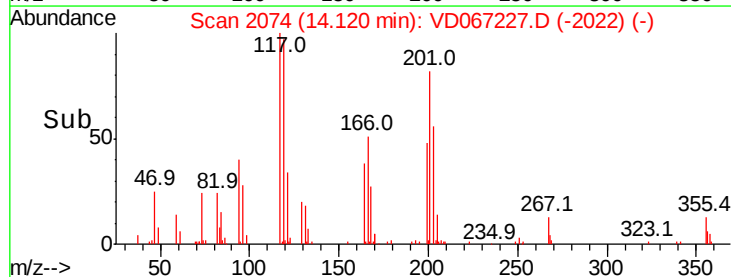
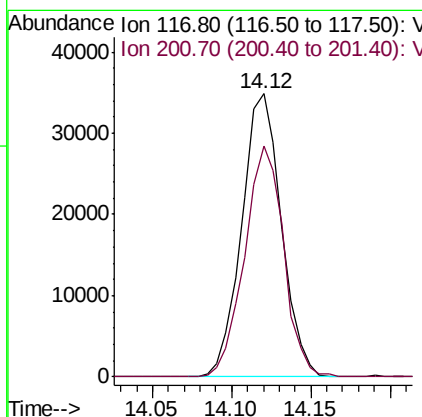
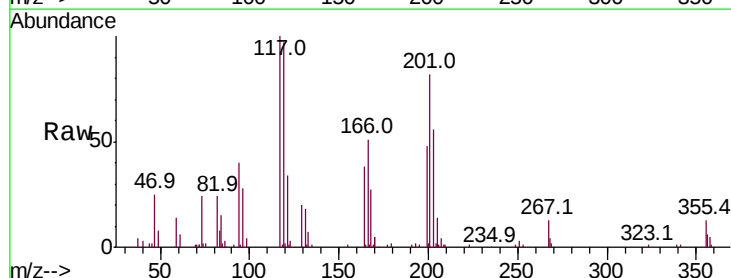
Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

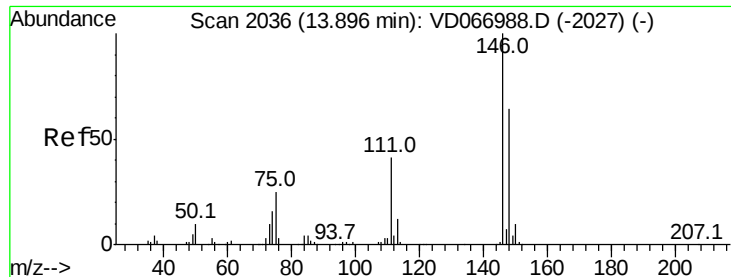
Tot Ion: 91 Resp: 320414
Ion Ratio Lower Upper
91 100
92 54.2 27.1 81.2
134 28.1 13.6 40.8



#90
Hexachloroethane
Concen: 20.579 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion: 117 Resp: 60608
Ion Ratio Lower Upper
117 100
201 80.2 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 20.878 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

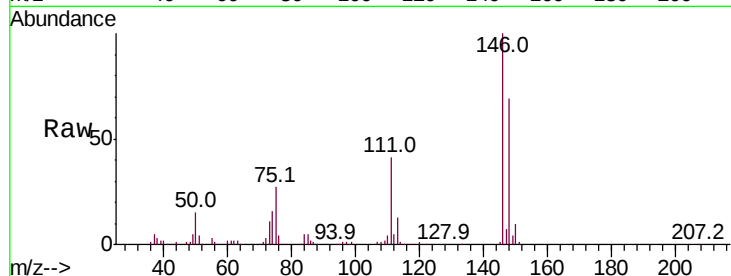
Tot Ion:146 Resp: 155223

Ion Ratio Lower Upper

146 100

111 42.2 20.9 62.7

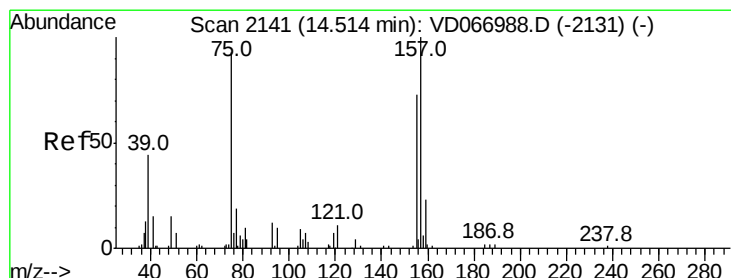
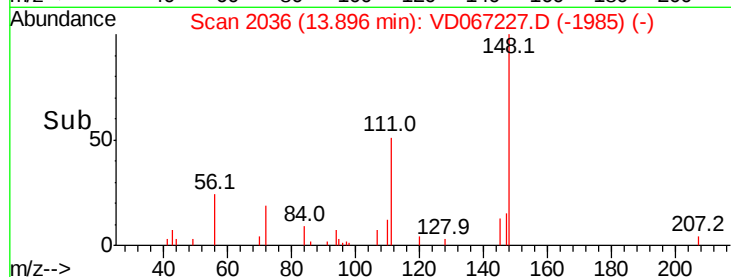
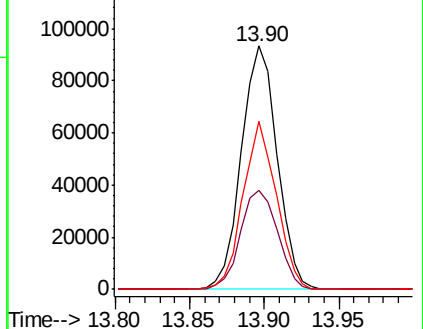
148 64.2 32.3 96.9



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: 19.978 ug/l

RT: 14.52 min Scan# 2142

Delta R.T. 0.01 min

Lab File: VD067227.D

Acq: 12 Oct 2020 12:08

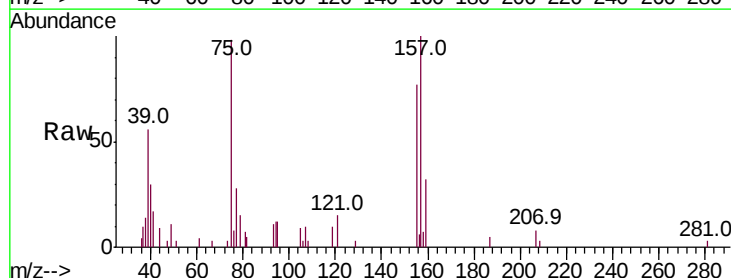
Tgt Ion: 75 Resp: 9821

Ion Ratio Lower Upper

75 100

155 92.5 45.2 135.6

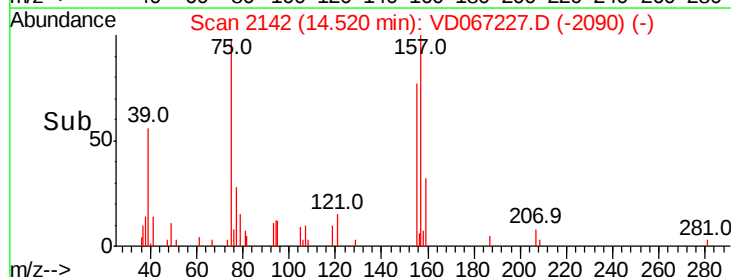
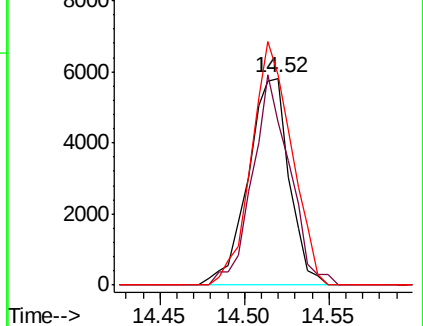
157 115.7 56.3 168.8

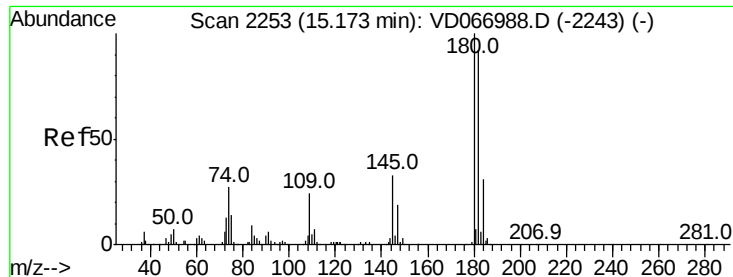


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

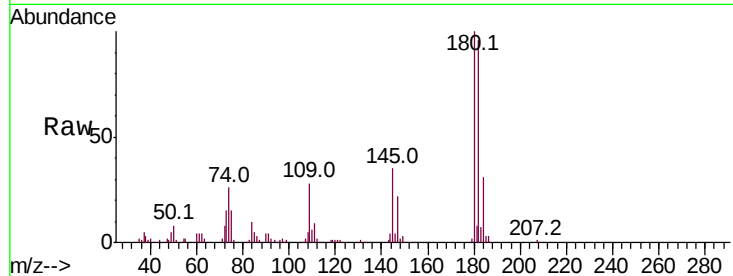




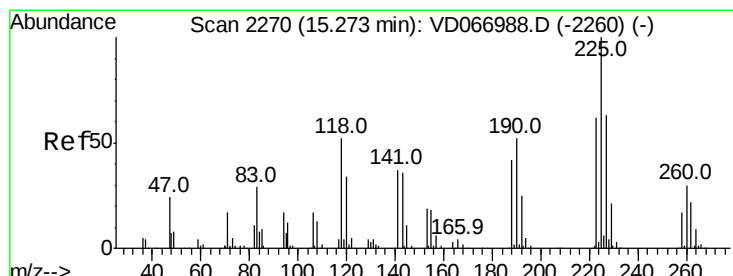
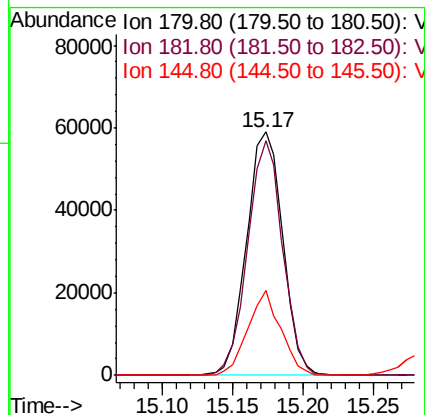
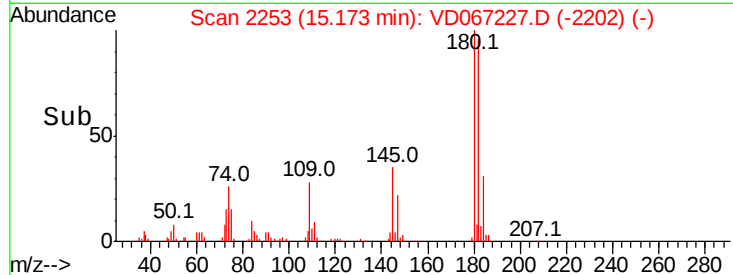
#93
 1,2,4-Trichlorobenzene
 Concen: 22.077 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.3	142.0
145	31.7	16.4	49.1

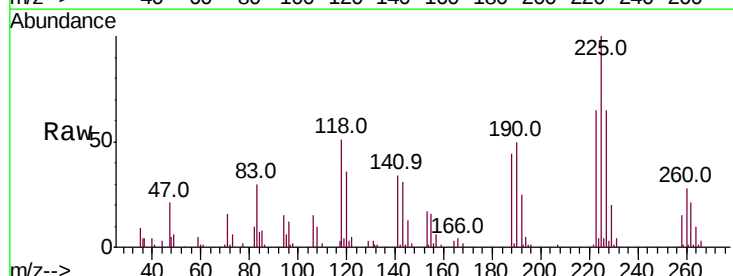


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

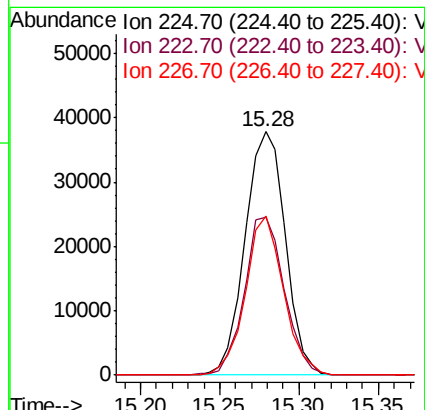
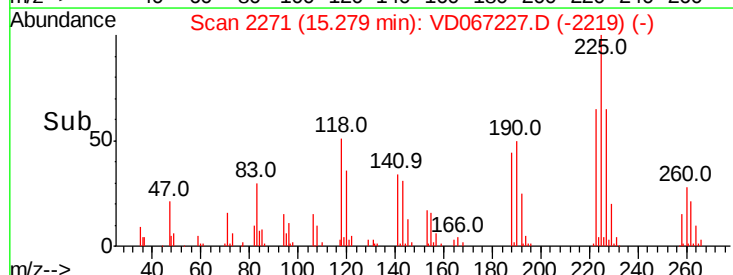


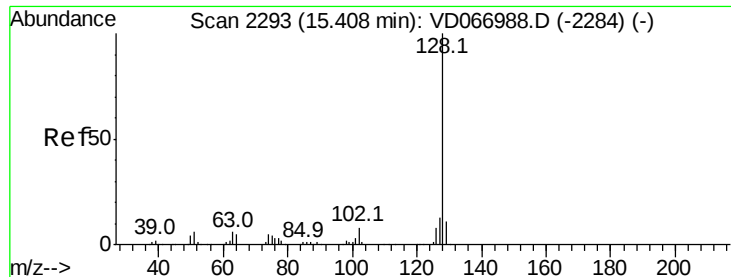
#94
 Hexachlorobutadiene
 Concen: 22.600 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067227.D
 Acq: 12 Oct 2020 12:08

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.4	97.0
227	61.7	31.6	95.0



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

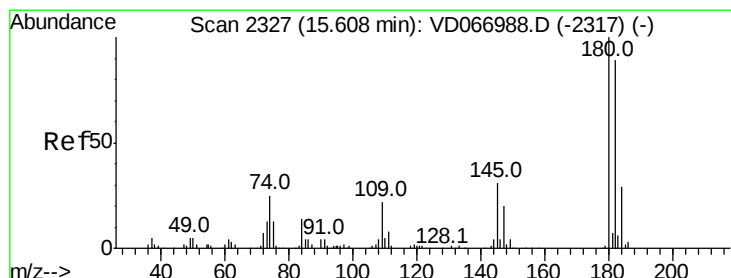
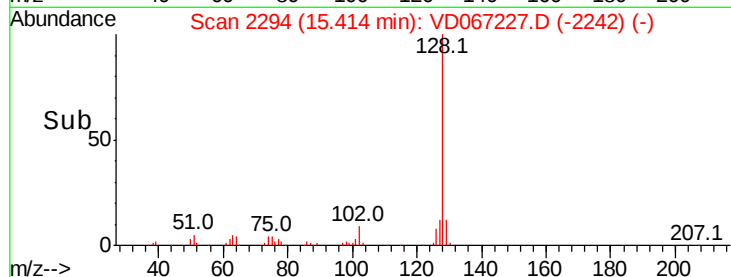
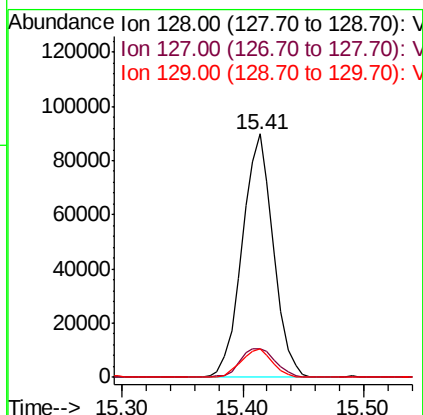
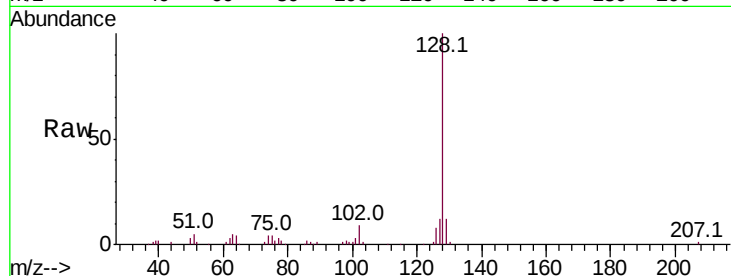




#95
Naphthalene
Concen: 20.012 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion:128 Resp: 160521
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.019 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067227.D
Acq: 12 Oct 2020 12:08

Tgt Ion:180 Resp: 91921
Ion Ratio Lower Upper
180 100
182 95.8 46.4 139.1
145 33.0 16.6 49.7

