

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067907.D
 Acq On : 08 Dec 2020 11:26
 Operator : VA/SY
 Sample : VD1208SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

Quant Time: Dec 09 04:26:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206894	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	294311	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	142482	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	109821	49.44	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.88%
35) Dibromofluoromethane	7.92	113	96489	48.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.98%
50) Toluene-d8	10.34	98	355594	50.16	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.32%
62) 4-Bromofluorobenzene	12.64	95	129167	52.70	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	32523	18.063	ug/l	93
3) Chloromethane	2.21	50	20891	20.104	ug/l	95
4) Vinyl Chloride	2.36	62	25722	19.655	ug/l	97
5) Bromomethane	2.76	94	27335	23.398	ug/l	100
6) Chloroethane	2.93	64	17664	20.731	ug/l	99
7) Trichlorofluoromethane	3.27	101	80718	20.156	ug/l	96
8) Diethyl Ether	3.71	74	15516	19.879	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	35983	19.705	ug/l	96
10) Methyl Iodide	4.31	142	35672	18.430	ug/l	97
11) Tert butyl alcohol	5.19	59	13642	80.566	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	33924	19.787	ug/l #	78
13) Acrolein	3.92	56	6496	76.107	ug/l	97
14) Allyl chloride	4.71	41	30584	19.284	ug/l	91
15) Acrylonitrile	5.43	53	25292	93.451	ug/l	98
16) Acetone	4.17	43	22729	82.814	ug/l	98
17) Carbon Disulfide	4.41	76	88889	18.570	ug/l	97
18) Methyl Acetate	4.71	43	9940	18.844	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	74349	20.253	ug/l	99
20) Methylene Chloride	4.97	84	42801	21.754	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	39118	20.051	ug/l	97
22) Diisopropyl ether	6.37	45	64111	20.098	ug/l #	92
23) Vinyl Acetate	6.31	43	177805	100.195	ug/l	97
24) 1,1-Dichloroethane	6.27	63	56469	20.194	ug/l	99
25) 2-Butanone	7.21	43	26902	93.191	ug/l	98
26) 2,2-Dichloropropane	7.22	77	68890	20.660	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	42208	19.780	ug/l	94
28) Bromochloromethane	7.56	49	17516	19.730	ug/l #	96
29) Tetrahydrofuran	7.57	42	14589	88.758	ug/l	93
30) Chloroform	7.71	83	75842	20.295	ug/l	97
31) Cyclohexane	7.99	56	42055	17.972	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	81000	20.534	ug/l	99
36) 1,1-Dichloropropene	8.12	75	52269	20.515	ug/l	99
37) Ethyl Acetate	7.30	43	12693	18.485	ug/l #	92
38) Carbon Tetrachloride	8.10	117	80596	20.907	ug/l	93

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59560	19.726	ug/l	95
40) Benzene	8.36	78	140337	20.130	ug/l	99
41) Methacrylonitrile	7.52	41	6118	15.690	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	49890	20.079	ug/l	99
43) Isopropyl Acetate	8.46	43	25375	18.781	ug/l #	82
44) Trichloroethene	9.11	130	49205	20.528	ug/l	93
45) 1,2-Dichloropropane	9.39	63	28046	19.601	ug/l	99
46) Dibromomethane	9.48	93	20734	20.841	ug/l	97
47) Bromodichloromethane	9.67	83	56955	20.082	ug/l	94
48) Methyl methacrylate	9.46	41	13686	19.948	ug/l	99
49) 1,4-Dioxane	9.47	88	3948	347.299	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	58927	92.150	ug/l	96
52) Toluene	10.41	92	102514	21.032	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	49896	20.383	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	55077	20.684	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	27049	19.867	ug/l	94
56) Ethyl methacrylate	10.67	69	26284	18.975	ug/l	92
57) 1,3-Dichloropropane	10.95	76	41265	19.134	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	50693	80.423	ug/l	97
59) 2-Hexanone	10.98	43	41939	93.034	ug/l	99
60) Dibromochloromethane	11.14	129	40915	19.936	ug/l	99
61) 1,2-Dibromoethane	11.25	107	25824	19.288	ug/l	98
64) Tetrachloroethene	10.88	164	45371	20.396	ug/l	91
65) Chlorobenzene	11.67	112	114105	20.278	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	47029	20.491	ug/l	95
67) Ethyl Benzene	11.75	91	197745	20.629	ug/l	93
68) m/p-Xylenes	11.86	106	155649	41.179	ug/l	99
69) o-Xylene	12.18	106	73622	21.940	ug/l	94
70) Styrene	12.20	104	121513	20.825	ug/l	98
71) Bromoform	12.37	173	25071	20.636	ug/l #	99
73) Isopropylbenzene	12.48	105	206118	21.036	ug/l	100
74) N-amyl acetate	12.29	43	22035	18.180	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	24397	18.859	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	35232	33.955	ug/l	31
77) Bromobenzene	12.77	156	49065	20.142	ug/l	97
78) n-propylbenzene	12.83	91	231121	21.282	ug/l	100
79) 2-Chlorotoluene	12.91	91	131507	20.584	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	179386	21.145	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	7475	17.233	ug/l #	86
82) 4-Chlorotoluene	13.01	91	138359	20.301	ug/l	98
83) tert-Butylbenzene	13.23	119	154155	21.354	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	174668	20.705	ug/l	98
85) sec-Butylbenzene	13.41	105	196377	20.381	ug/l	98
86) p-Isopropyltoluene	13.52	119	197385	20.902	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	96060	20.443	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	96849	20.602	ug/l	99
89) n-Butylbenzene	13.85	91	158669	20.224	ug/l	99
90) Hexachloroethane	14.11	117	34196	19.614	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	83338	20.449	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5246	19.431	ug/l	92

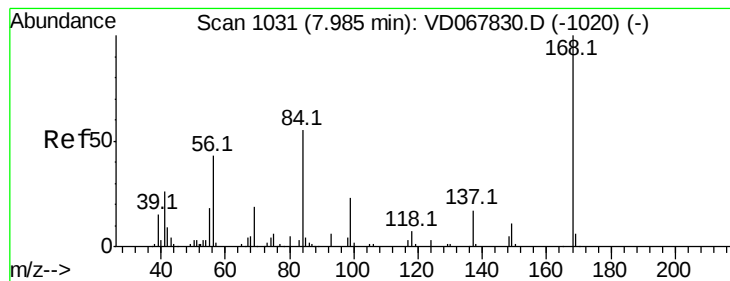
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
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QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	58398	20.485	ug/l	99
94) Hexachlorobutadiene	15.27	225	36678	19.717	ug/l	97
95) Naphthalene	15.41	128	90237	19.453	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	49675	20.178	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

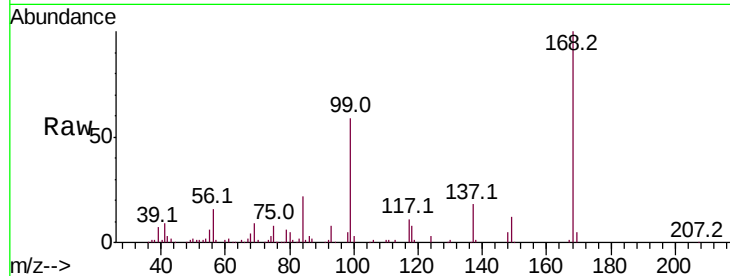
VD1208SBSD01

Tot Ion:168 Resp: 206894

Ion Ratio Lower Upper

168 100

99 58.6 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

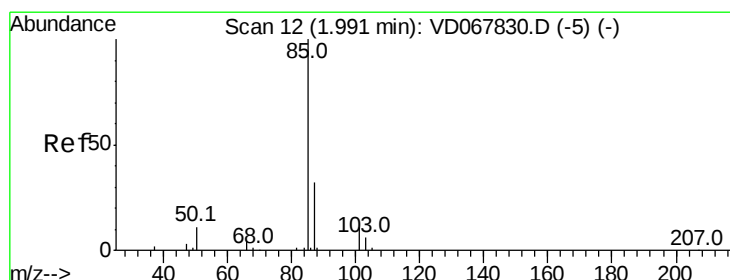
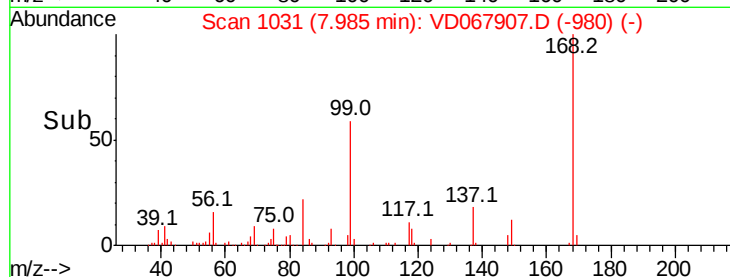
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.063 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067907.D

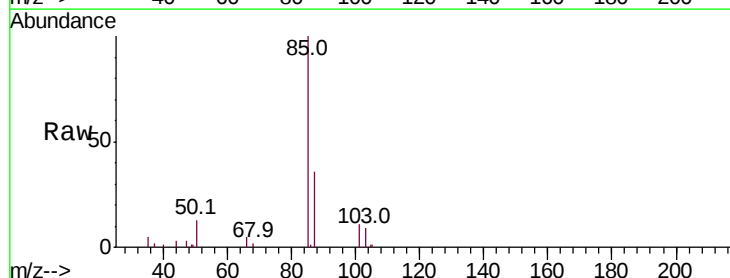
Acq: 08 Dec 2020 11:26

Tgt Ion: 85 Resp: 32523

Ion Ratio Lower Upper

85 100

87 35.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

25000

20000

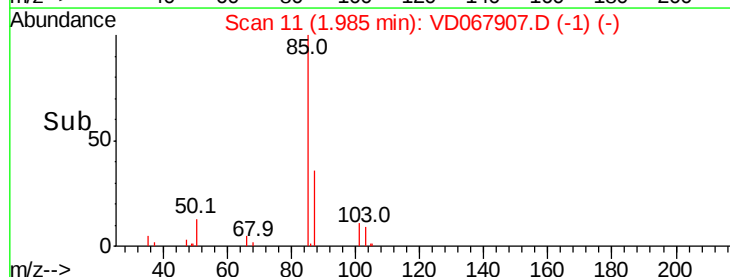
15000

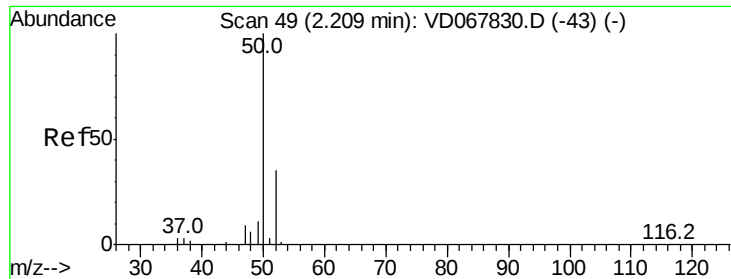
10000

5000

0

Time-->





#3

Chloromethane

Concen: 20.104 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

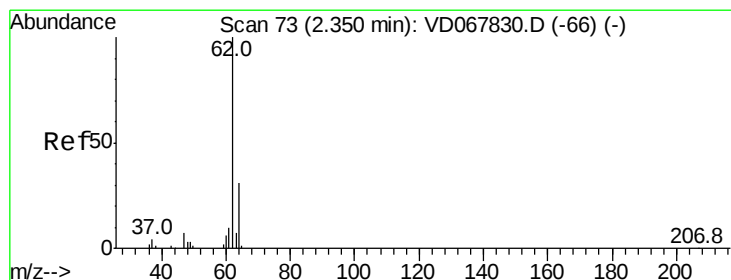
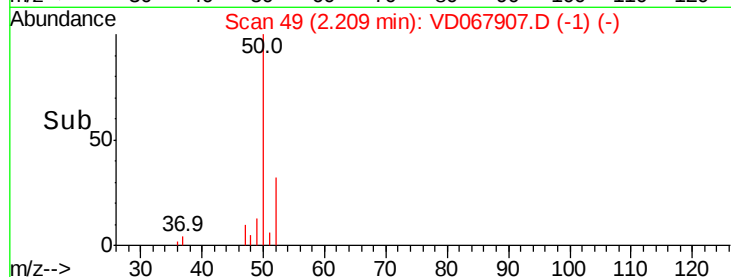
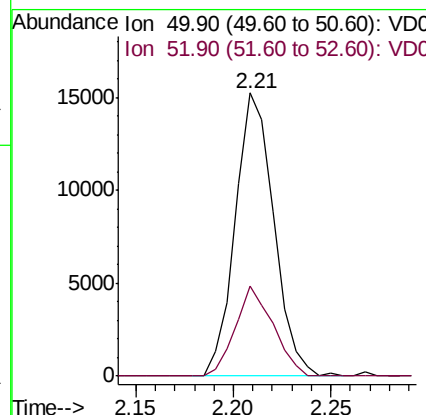
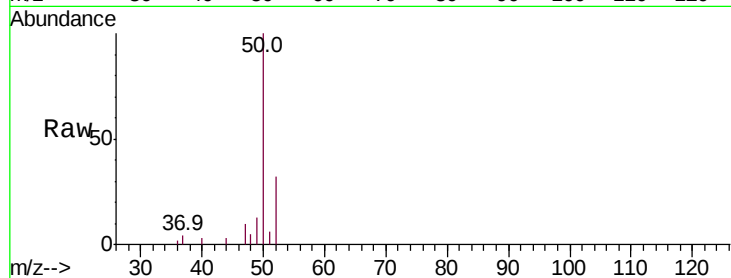
VD1208SBS01

Tot Ion: 50 Resp: 20891

Ion Ratio Lower Upper

50 100

52 31.7 27.8 41.6



#4

Vinyl Chloride

Concen: 19.655 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067907.D

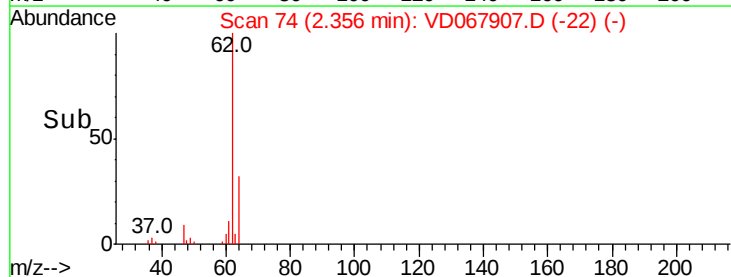
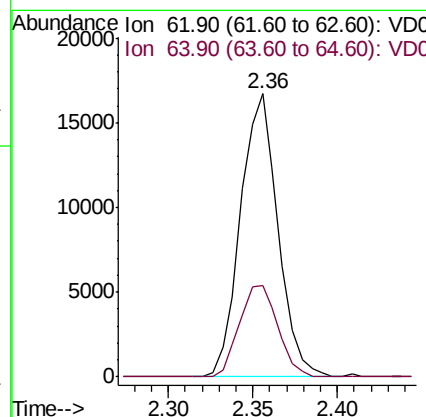
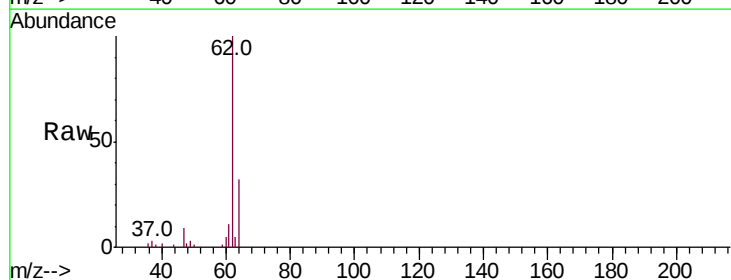
Acq: 08 Dec 2020 11:26

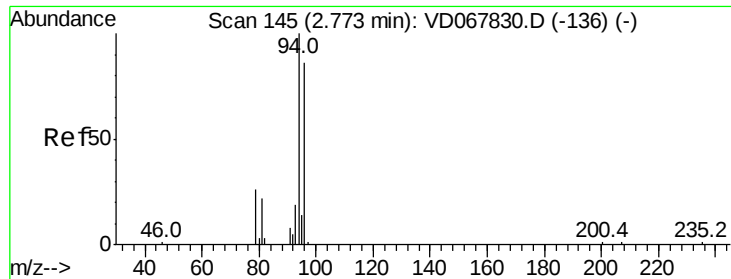
Tgt Ion: 62 Resp: 25722

Ion Ratio Lower Upper

62 100

64 32.4 24.5 36.7





#5

Bromomethane

Concen: 23.398 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

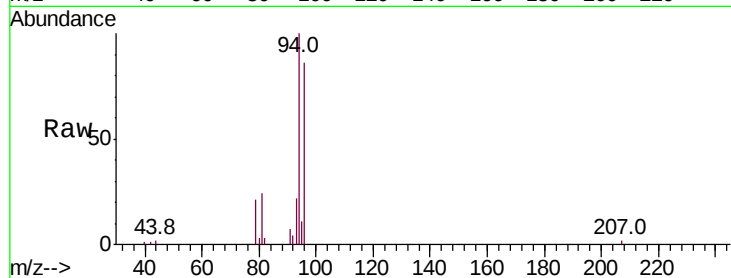
VD1208SBSD01

Tot Ion: 94 Resp: 27335

Ion Ratio Lower Upper

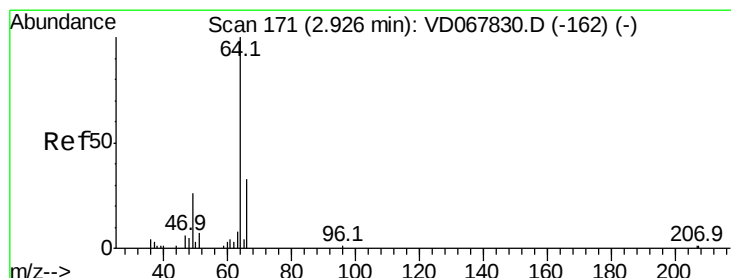
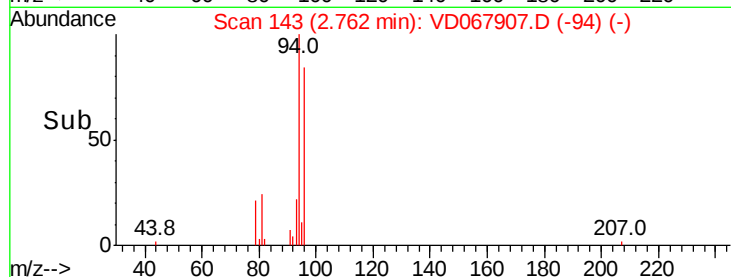
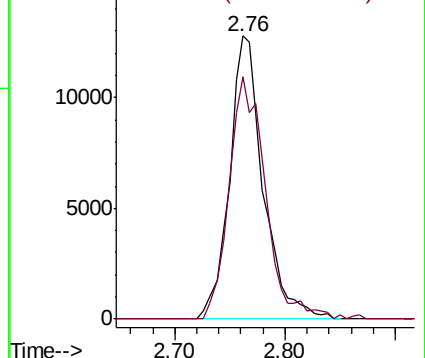
94 100

96 85.7 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.731 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067907.D

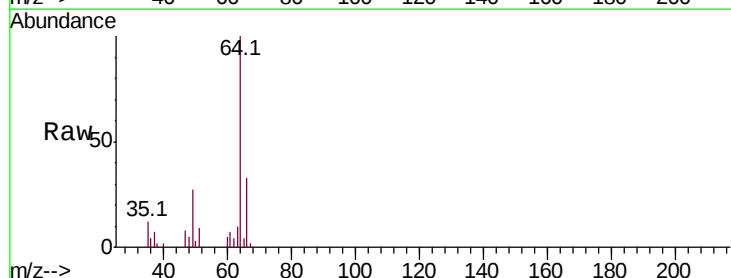
Acq: 08 Dec 2020 11:26

Tgt Ion: 64 Resp: 17664

Ion Ratio Lower Upper

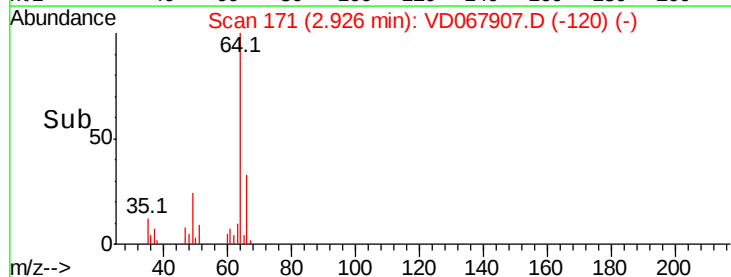
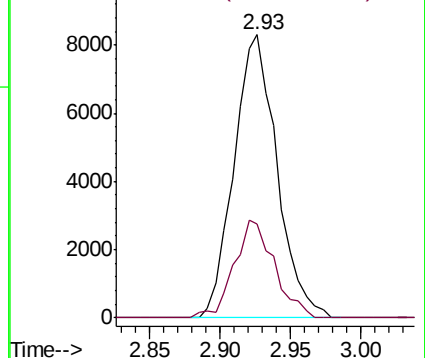
64 100

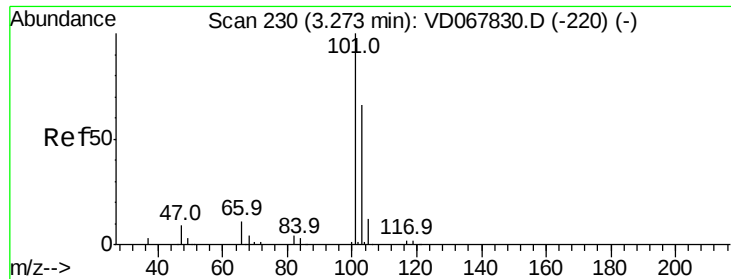
66 33.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



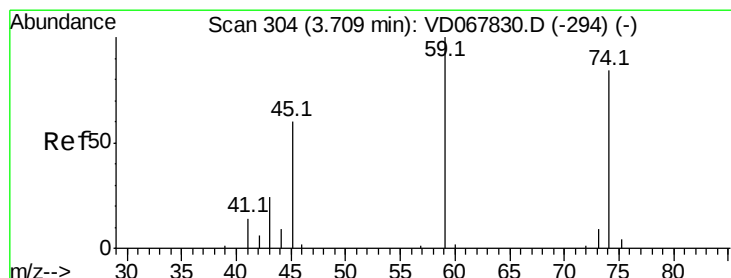
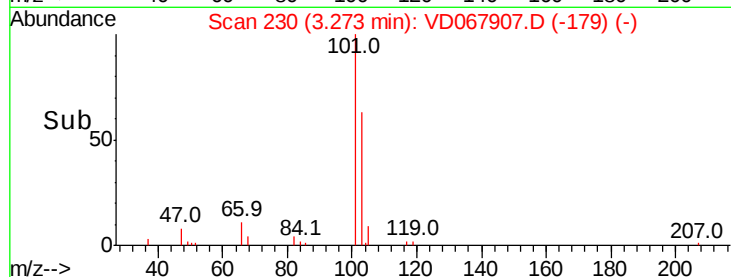
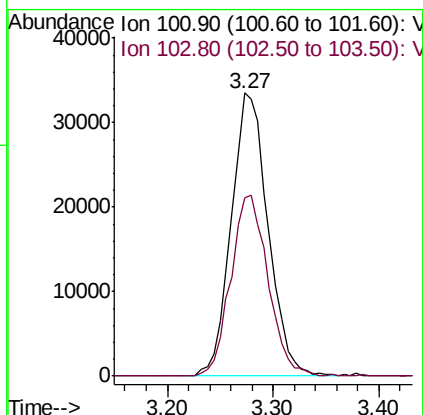
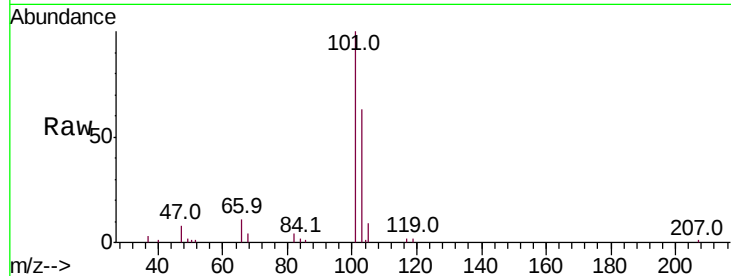


#7

Trichlorofluoromethane
 Concen: 20.156 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

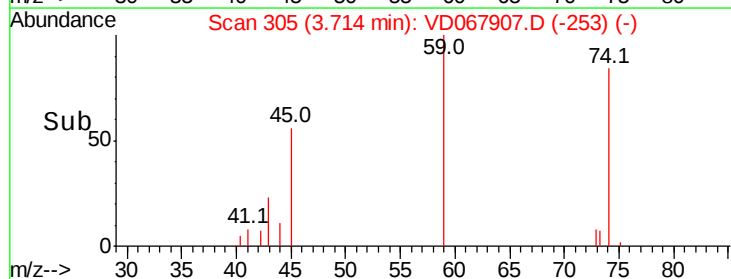
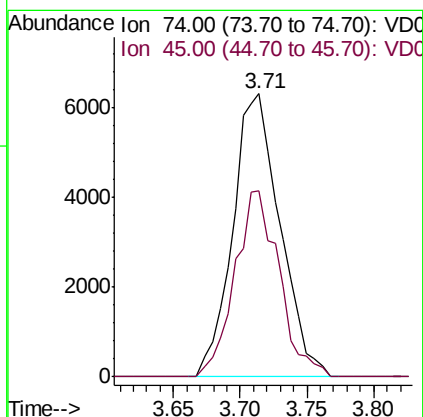
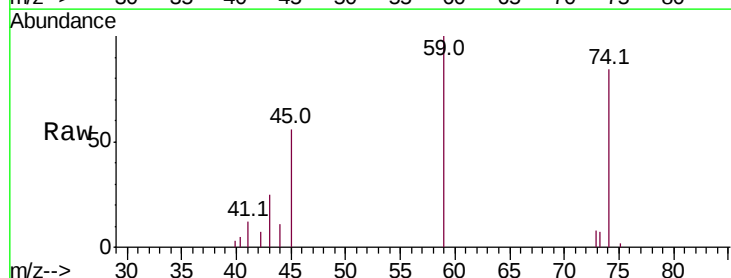
Tot Ion:101 Resp: 80718
 Ion Ratio Lower Upper
 101 100
 103 63.1 53.0 79.6

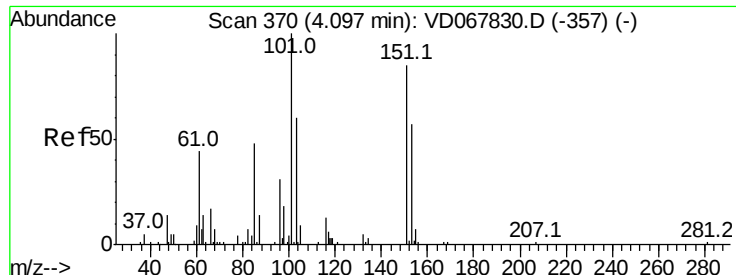


#8

Diethyl Ether
 Concen: 19.879 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 74 Resp: 15516
 Ion Ratio Lower Upper
 74 100
 45 61.6 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.705 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBSD01

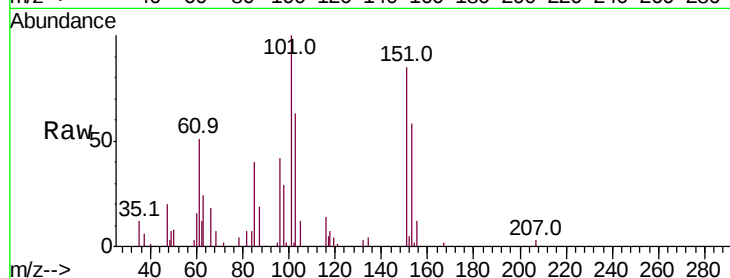
Tot Ion:101 Resp: 35983

Ion Ratio Lower Upper

101 100

85 48.4 36.2 54.4

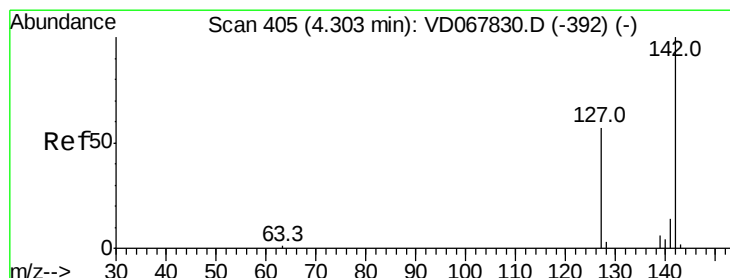
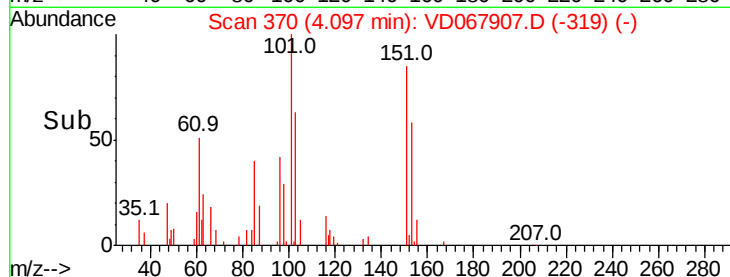
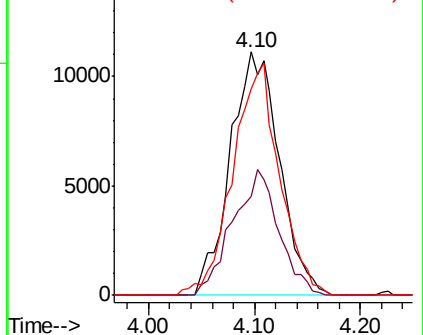
151 90.6 69.4 104.2



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: 18.430 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

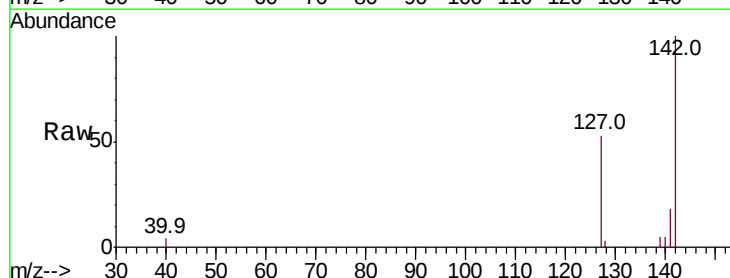
Tgt Ion:142 Resp: 35672

Ion Ratio Lower Upper

142 100

127 52.4 43.9 65.9

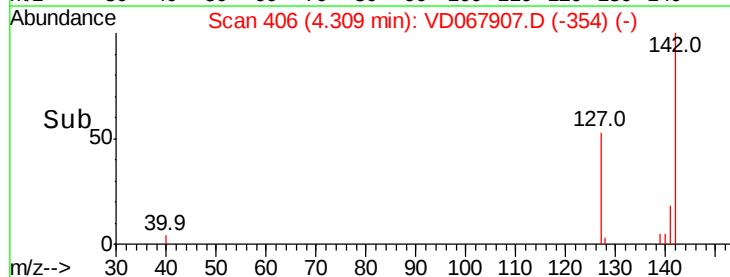
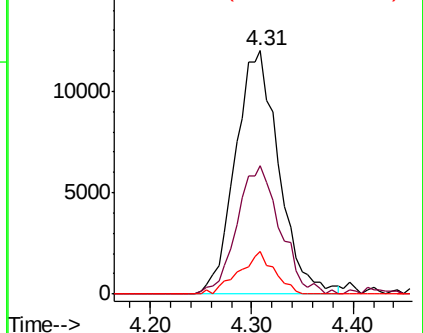
141 14.2 12.2 18.2

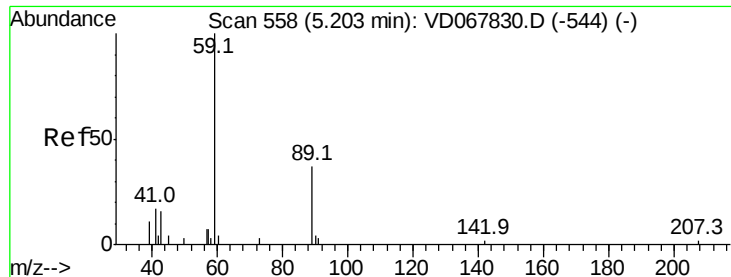


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



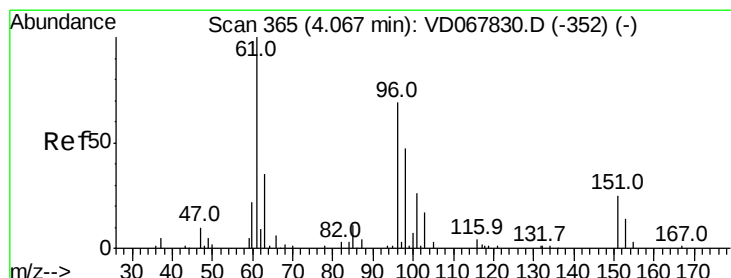
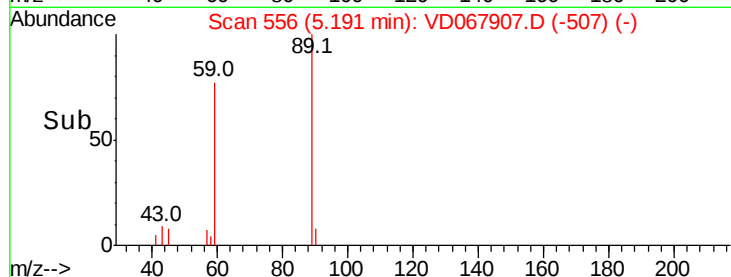
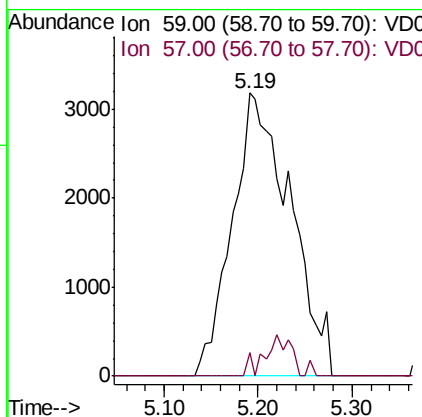
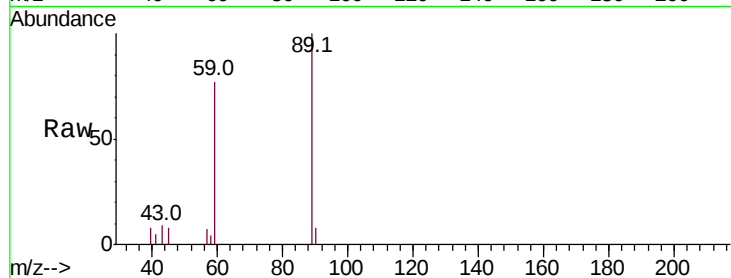


#11

Tert butyl alcohol
 Concen: 80.566 ug/l
 RT: 5.19 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

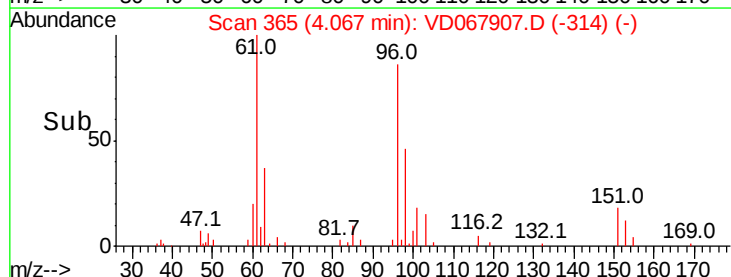
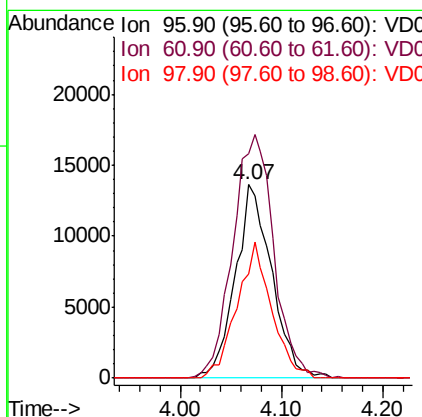
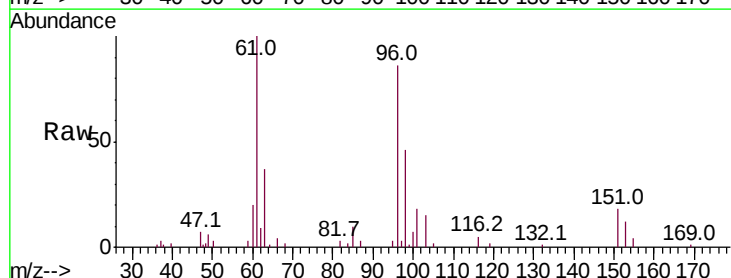
Tot Ion: 59 Resp: 13642
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

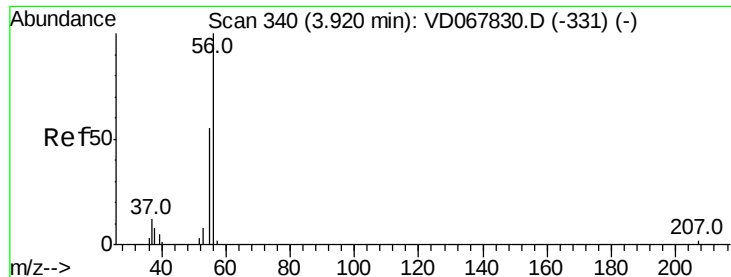


#12

1,1-Dichloroethene
 Concen: 19.787 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 96 Resp: 33924
 Ion Ratio Lower Upper
 96 100
 61 116.1 116.1 174.1#
 98 53.5 54.6 82.0#





#13

Acrolein

Concen: 76.107 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

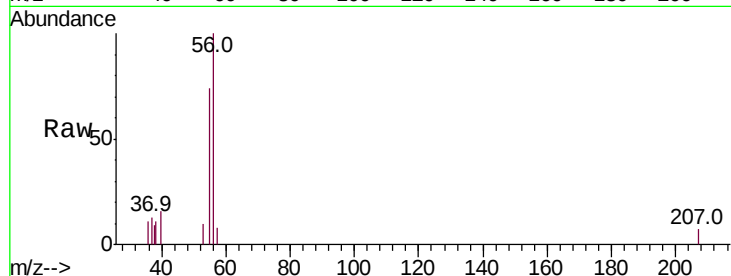
VD1208SBSD01

Tot Ion: 56 Resp: 6496

Ion Ratio Lower Upper

56 100

55 73.2 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

2500

2000

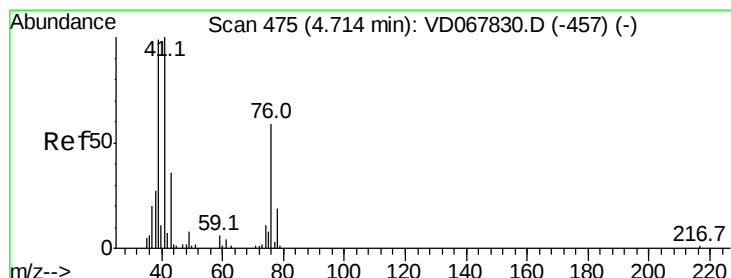
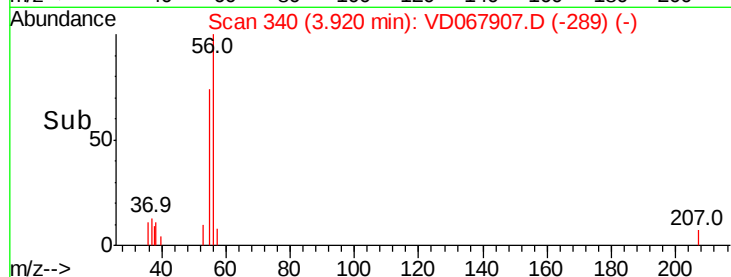
1500

1000

500

0

Time--> 3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 19.284 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

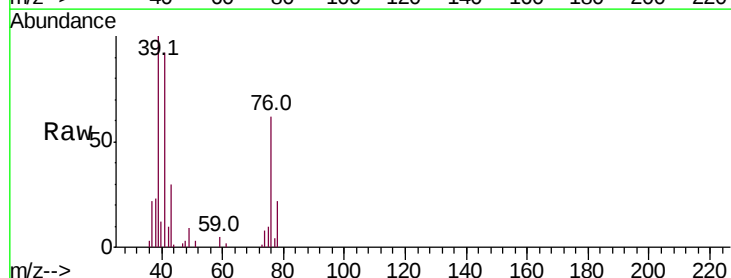
Tgt Ion: 41 Resp: 30584

Ion Ratio Lower Upper

41 100

39 107.0 79.0 118.6

76 65.1 46.6 70.0



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

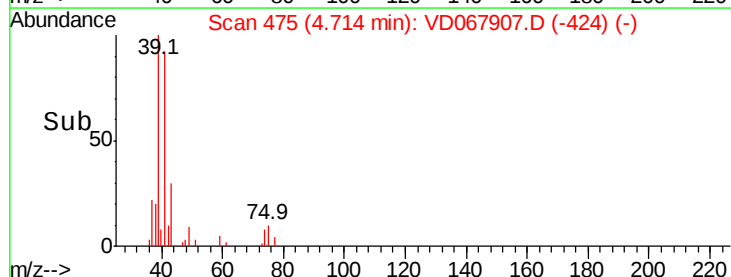
15000

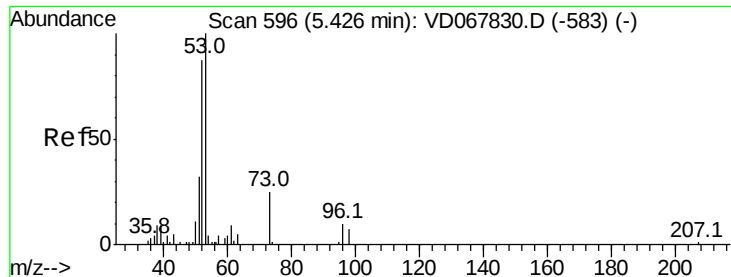
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 93.451 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

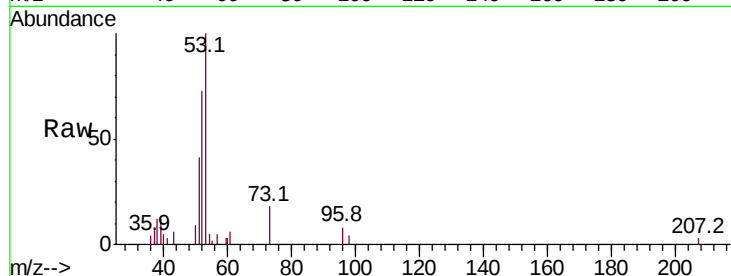
Tot Ion: 53 Resp: 25292

Ion Ratio Lower Upper

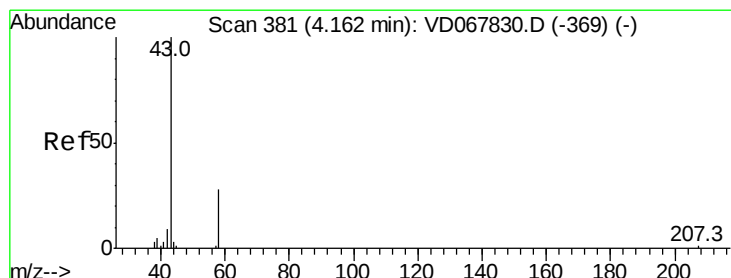
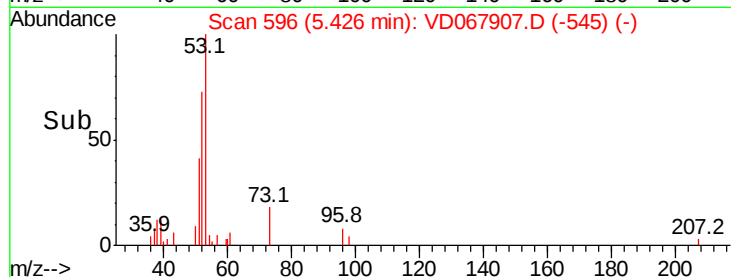
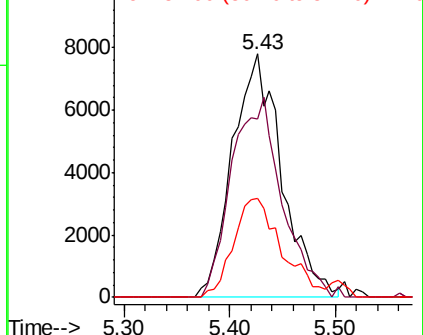
53 100

52 84.4 66.2 99.2

51 40.0 31.1 46.7



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: 82.814 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

Lab File: VD067907.D

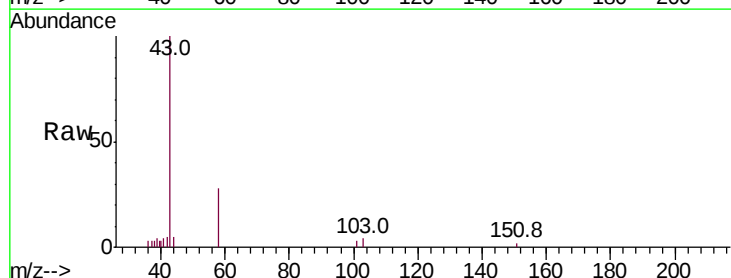
Acq: 08 Dec 2020 11:26

Tgt Ion: 43 Resp: 22729

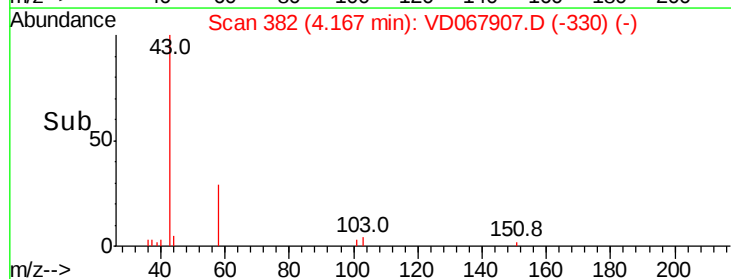
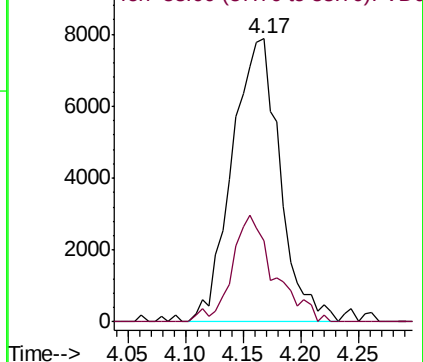
Ion Ratio Lower Upper

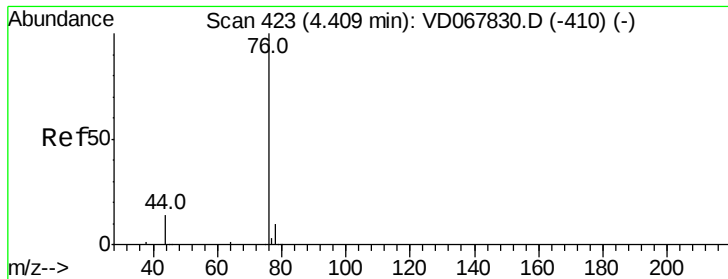
43 100

58 28.5 21.9 32.9



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

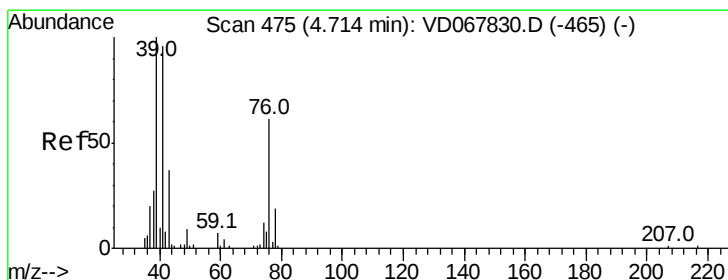
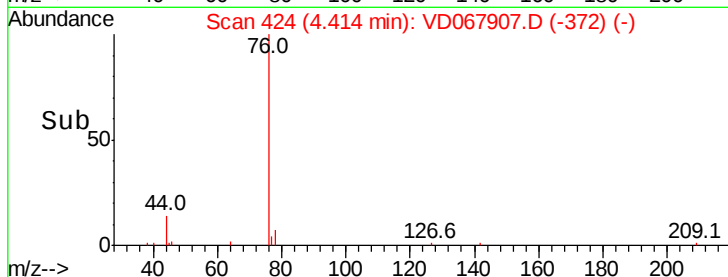
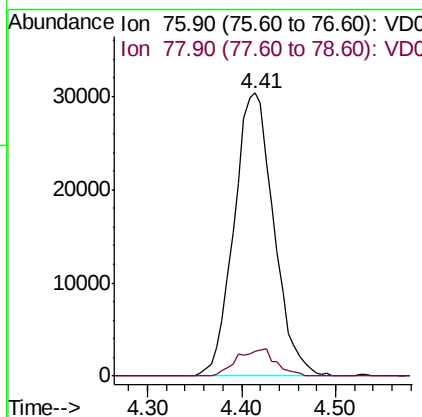
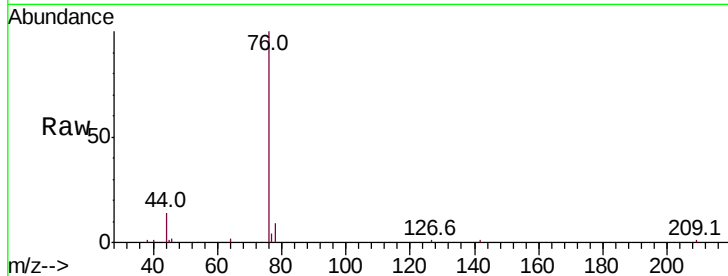




#17
Carbon Disulfide
Concen: 18.570 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

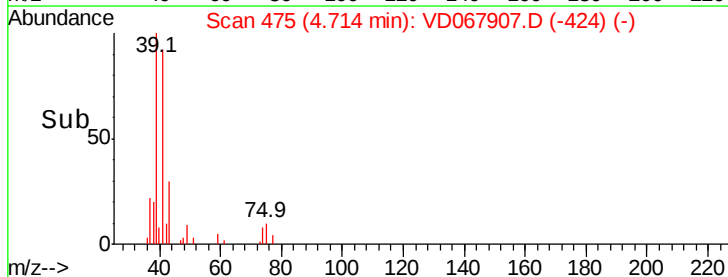
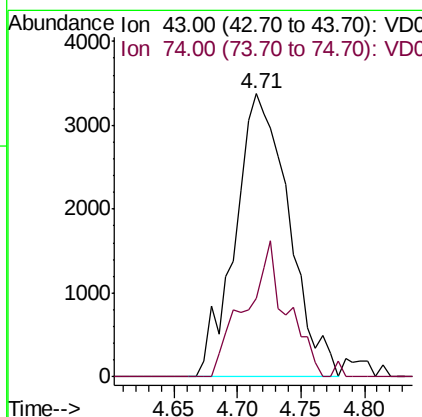
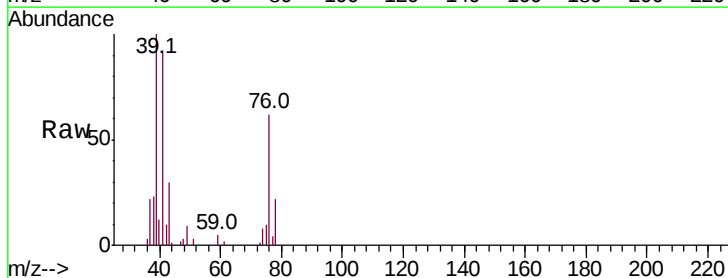
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBSD01

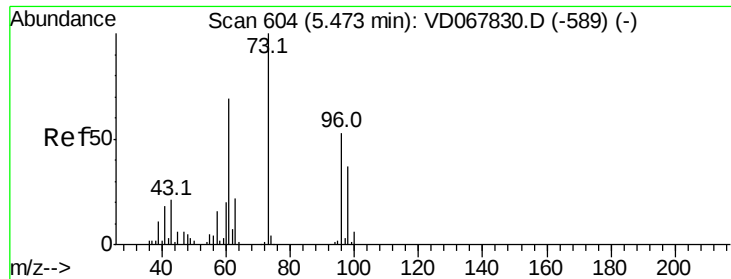
Tot Ion: 76 Resp: 88889
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 18.844 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 43 Resp: 9940
Ion Ratio Lower Upper
43 100
74 37.5 27.0 40.4

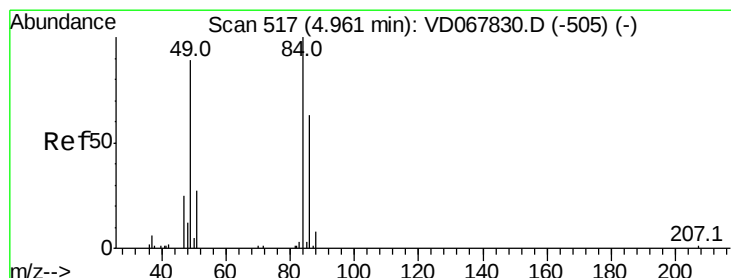
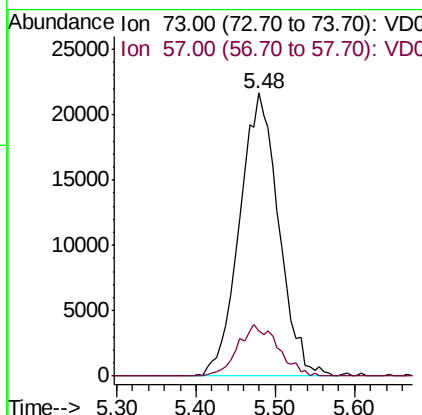
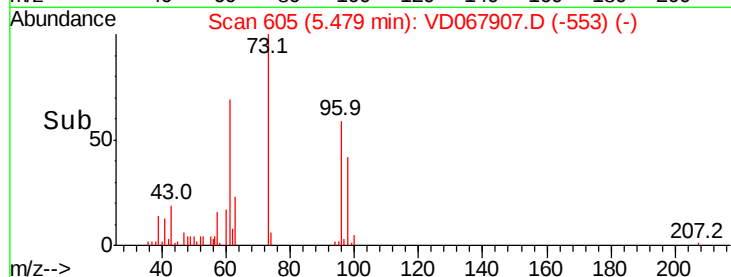
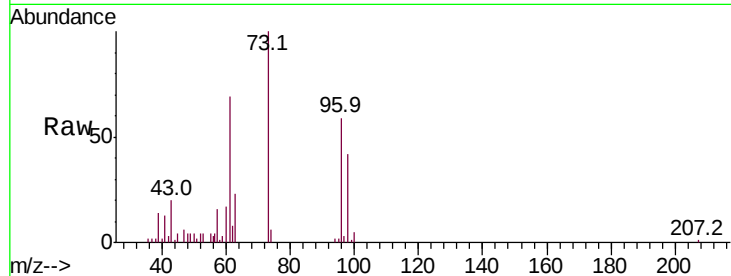




#19
Methyl tert-butyl Ether
Concen: 20.253 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

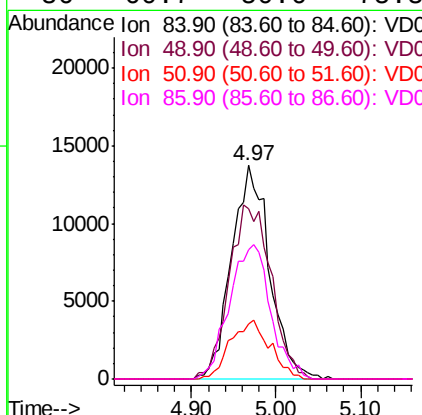
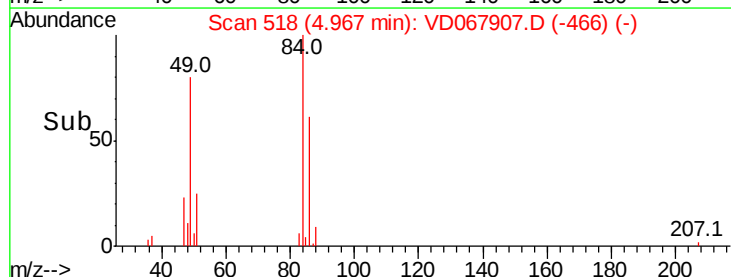
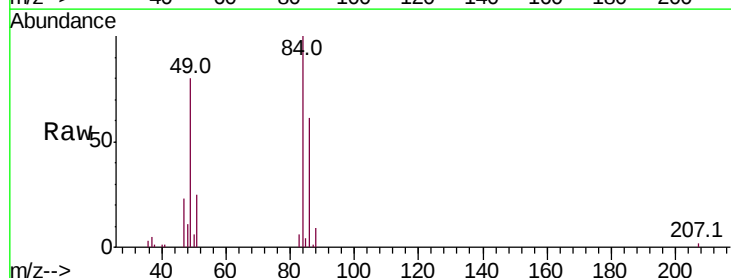
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

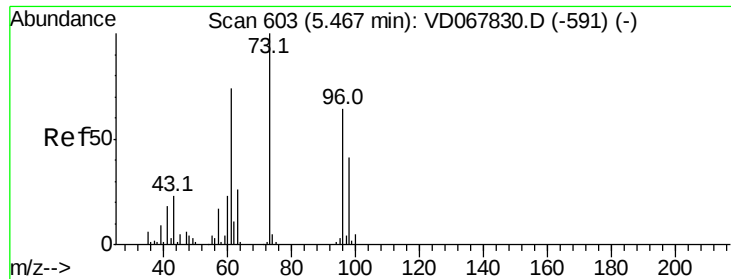
Tot Ion: 73 Resp: 74349
Ion Ratio Lower Upper
73 100
57 16.1 13.2 19.8



#20
Methylene Chloride
Concen: 21.754 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 84 Resp: 42801
Ion Ratio Lower Upper
84 100
49 79.9 71.4 107.0
51 25.5 21.8 32.8
86 60.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.051 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

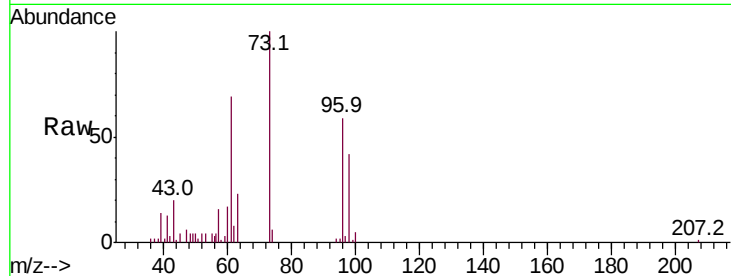
Tot Ion: 96 Resp: 39118

Ion Ratio Lower Upper

96 100

61 115.8 93.1 139.7

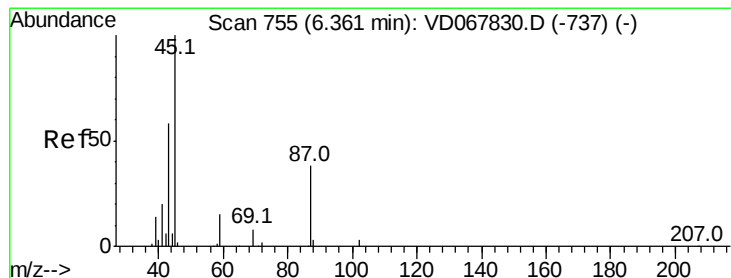
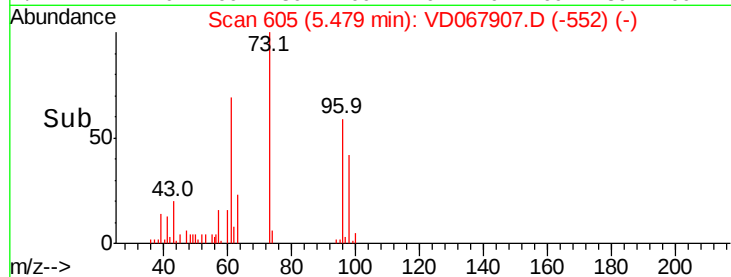
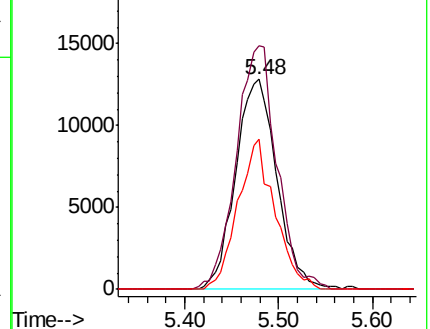
98 71.7 52.2 78.2



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



#22

Diisopropyl ether

Concen: 20.098 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Tgt Ion: 45 Resp: 64111

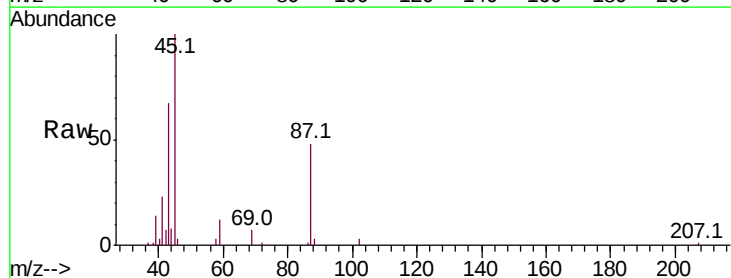
Ion Ratio Lower Upper

45 100

43 66.3 49.8 74.6

87 48.0 32.1 48.1

59 11.6 11.9 17.9#

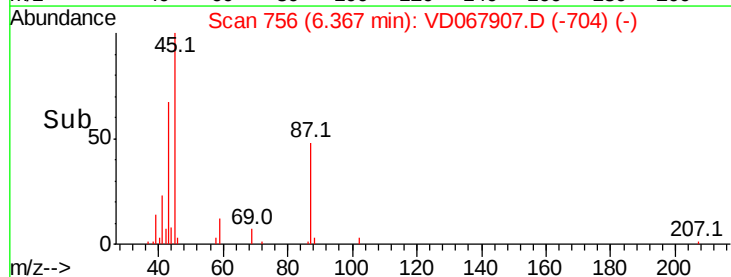
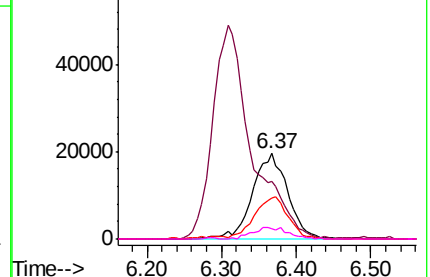


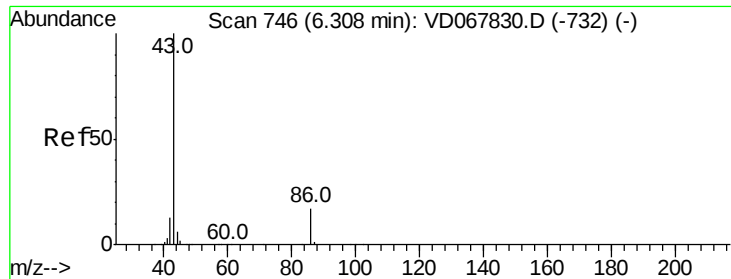
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 100.195 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

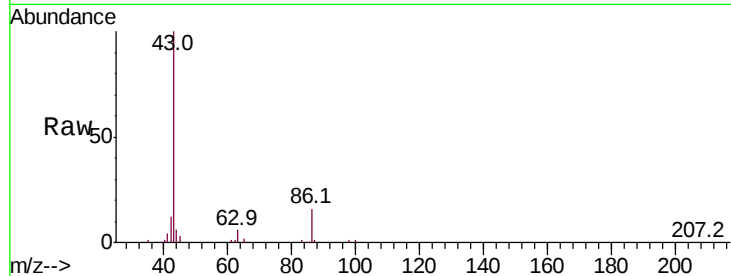
VD1208SBSD01

Tot Ion: 43 Resp: 177805

Ion Ratio Lower Upper

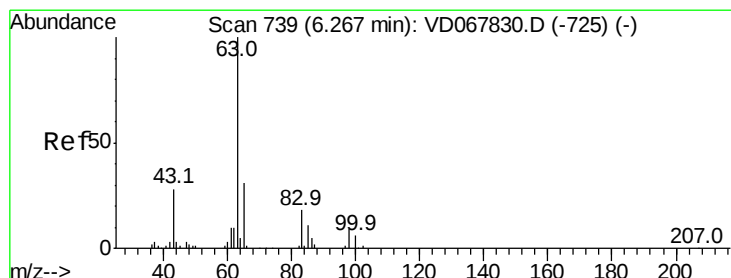
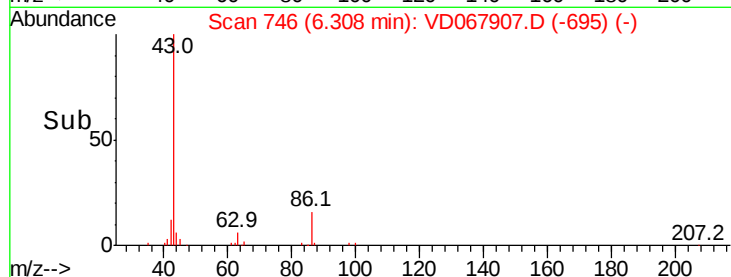
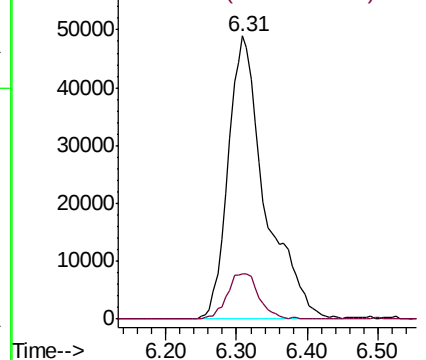
43 100

86 16.1 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.194 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

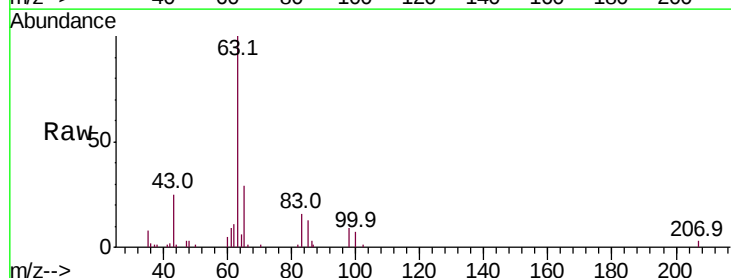
Tgt Ion: 63 Resp: 56469

Ion Ratio Lower Upper

63 100

98 9.0 4.5 13.5

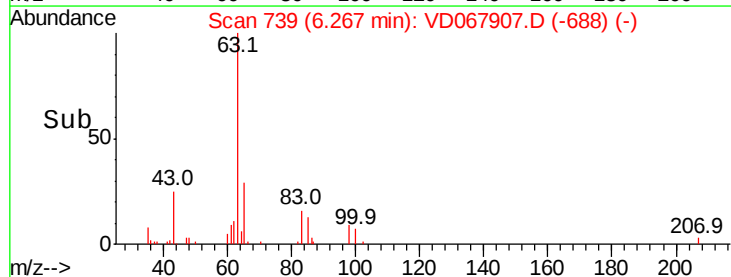
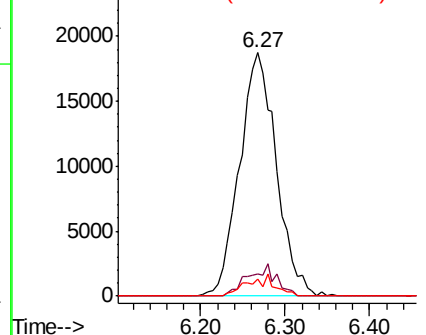
100 7.3 3.0 9.2

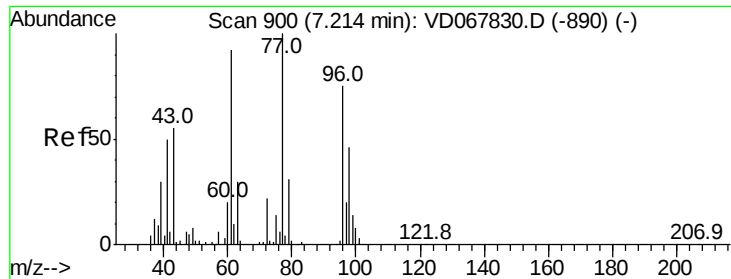


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 93.191 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

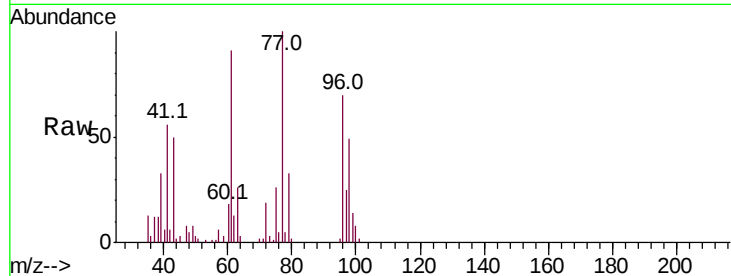
VD1208SBS01

Tot Ion: 43 Resp: 26902

Ion Ratio Lower Upper

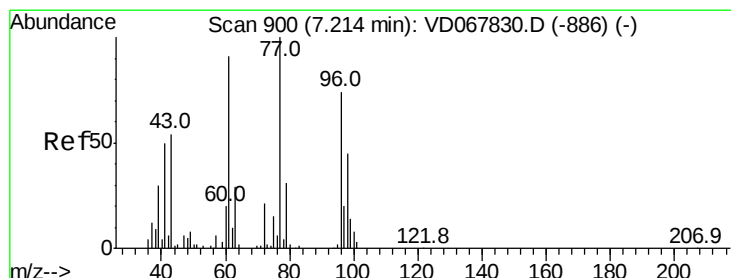
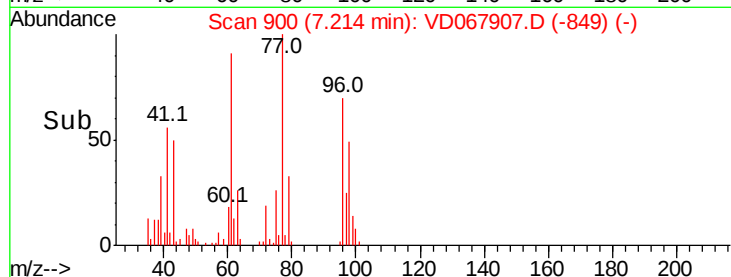
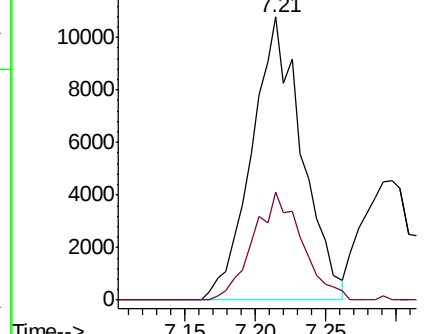
43 100

72 38.2 31.3 46.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.660 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067907.D

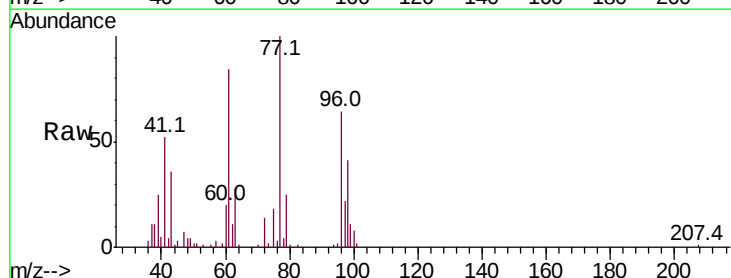
Acq: 08 Dec 2020 11:26

Tgt Ion: 77 Resp: 68890

Ion Ratio Lower Upper

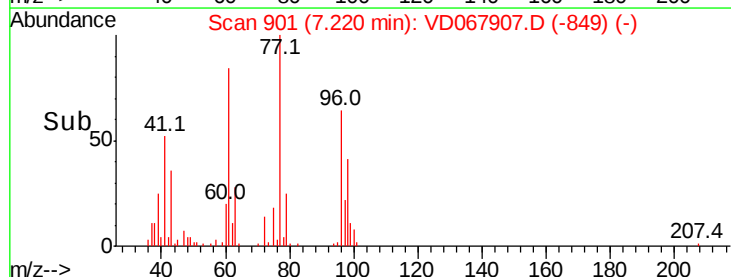
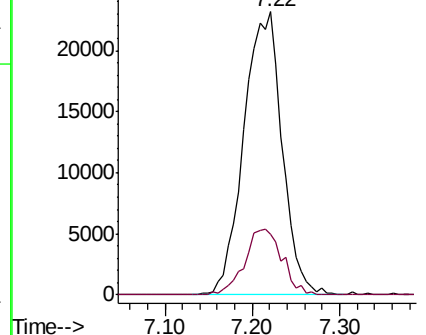
77 100

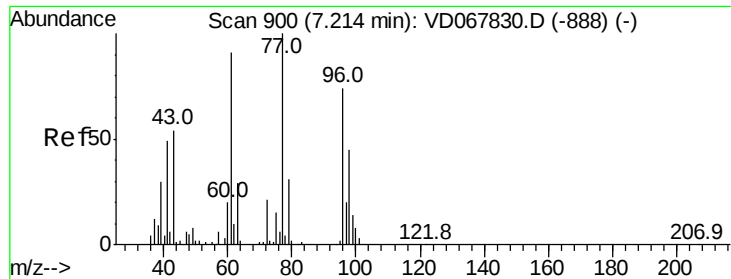
97 22.6 11.1 33.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



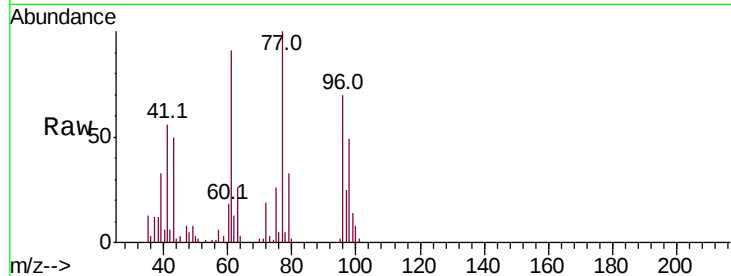


#27

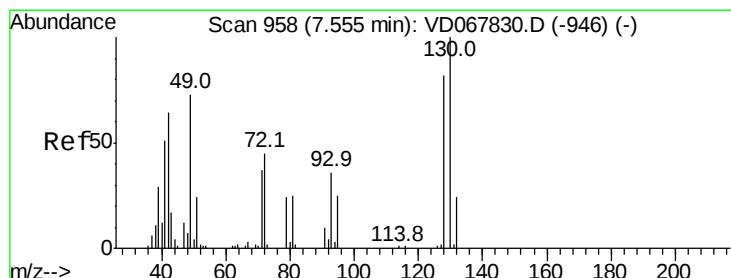
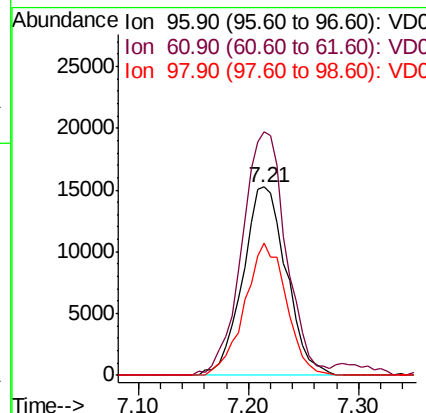
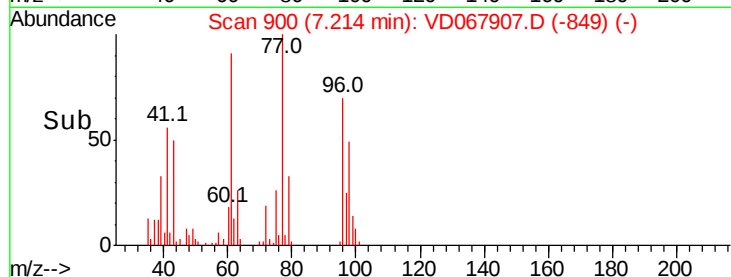
cis-1,2-Dichloroethene
 Concen: 19.780 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

Tot Ion: 96 Resp: 42208
 Ion Ratio Lower Upper
 96 100
 61 131.1 0.0 248.4
 98 67.3 0.0 127.4



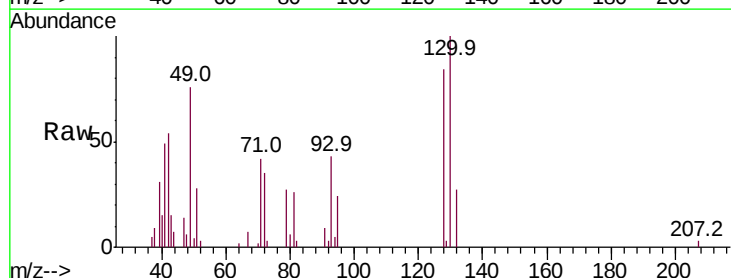
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



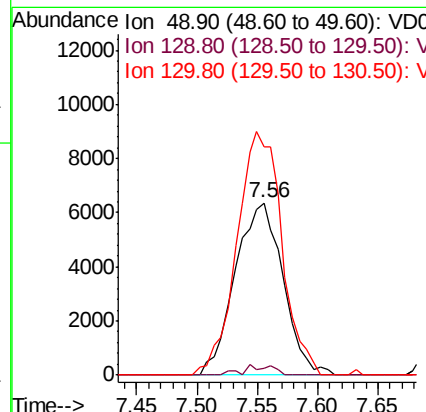
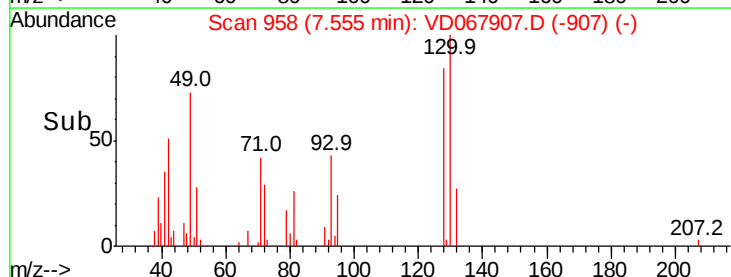
#28

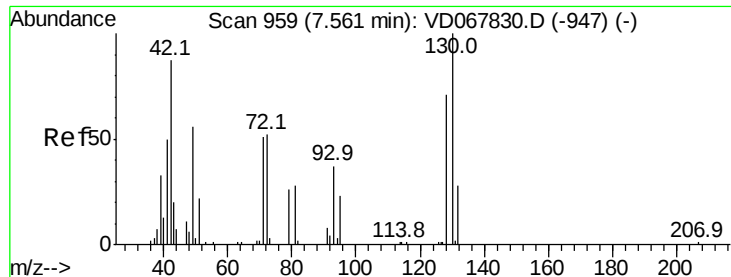
Bromochloromethane
 Concen: 19.730 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 49 Resp: 17516
 Ion Ratio Lower Upper
 49 100
 129 3.4 0.0 3.4#
 130 132.9 110.2 165.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V

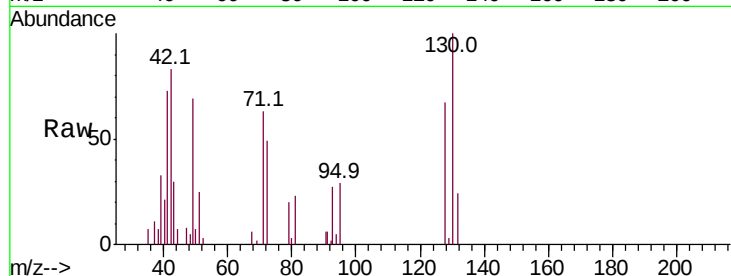




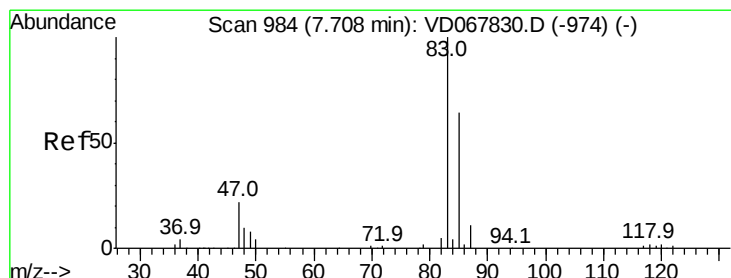
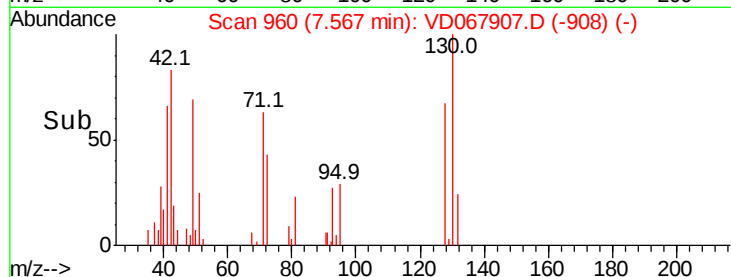
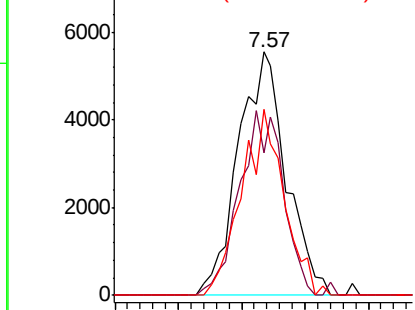
#29
Tetrahydrofuran
Concen: 88.758 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 42 Resp: 14589
Ion Ratio Lower Upper
42 100
72 68.6 51.9 77.9
71 67.4 48.2 72.4

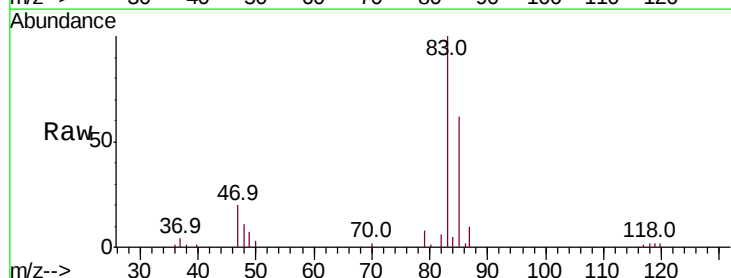


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

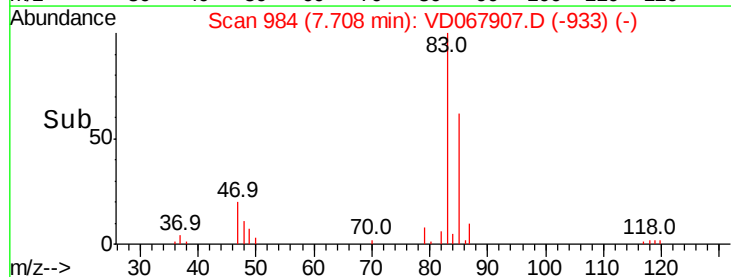
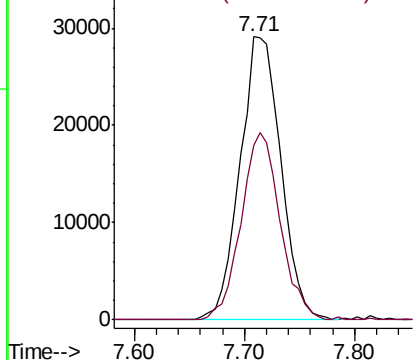


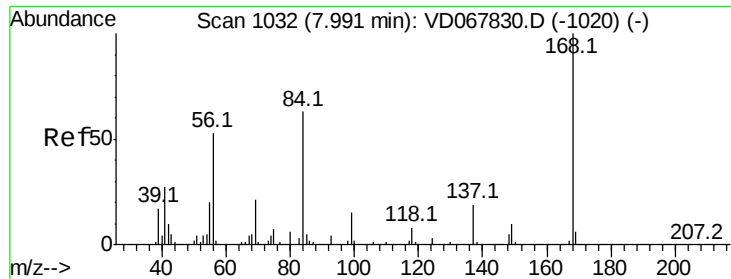
#30
Chloroform
Concen: 20.295 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 83 Resp: 75842
Ion Ratio Lower Upper
83 100
85 61.6 51.0 76.4



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

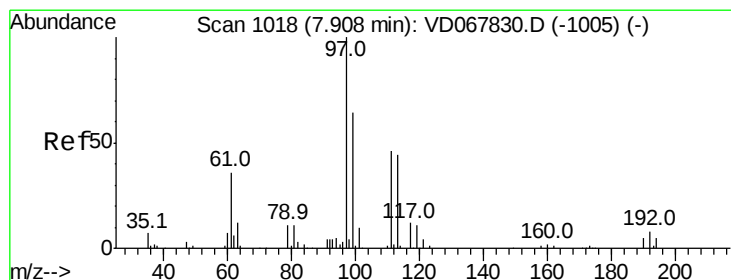
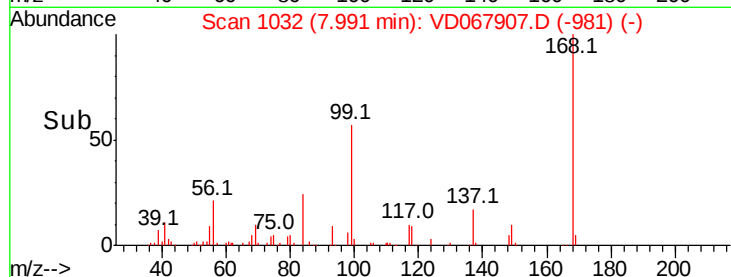
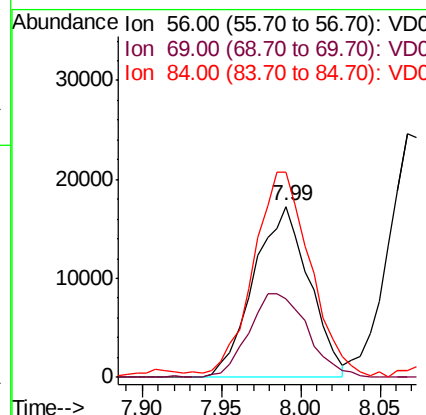
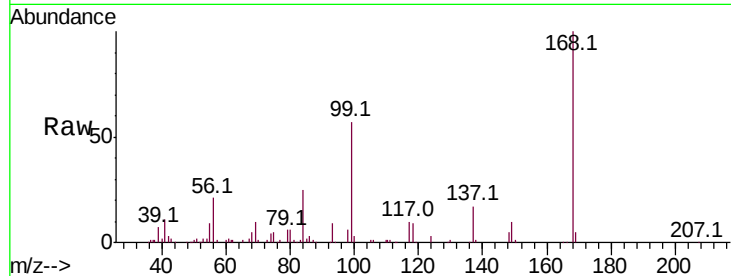




#31
Cyclohexane
Concen: 17.972 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

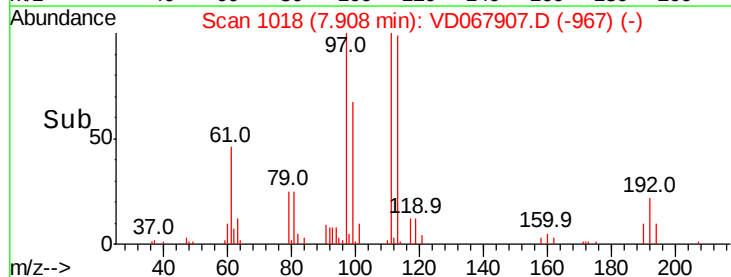
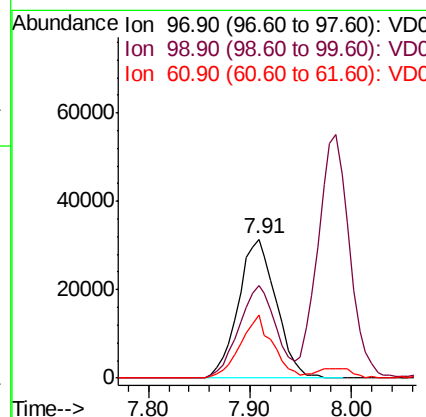
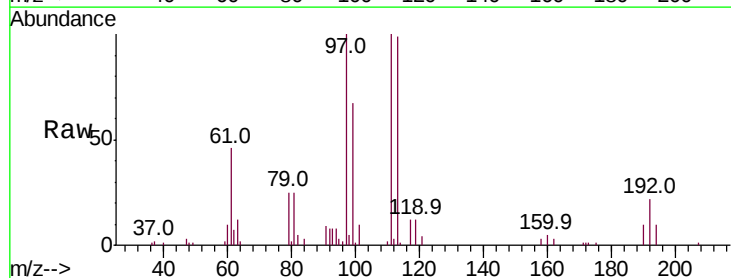
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBSD01

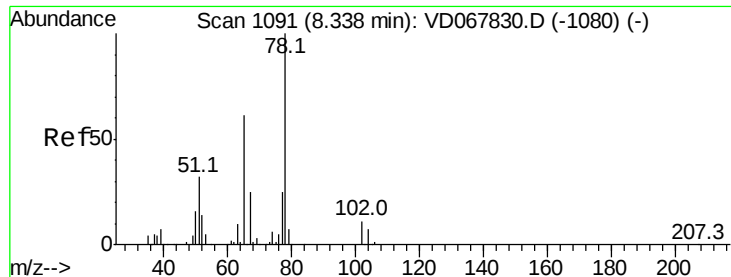
Tot Ion: 56 Resp: 42055
Ion Ratio Lower Upper
56 100
69 45.8 32.1 48.1
84 117.0 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 20.534 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 97 Resp: 81000
Ion Ratio Lower Upper
97 100
99 65.8 51.4 77.2
61 39.0 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 49.445 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

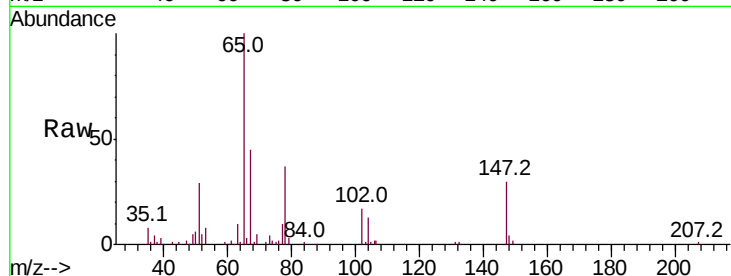
VD1208SBSD01

Tot Ion: 65 Resp: 109821

Ion Ratio Lower Upper

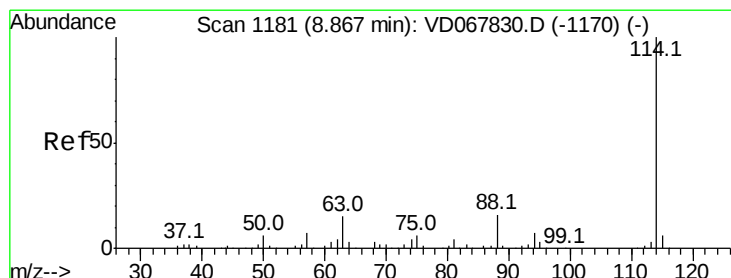
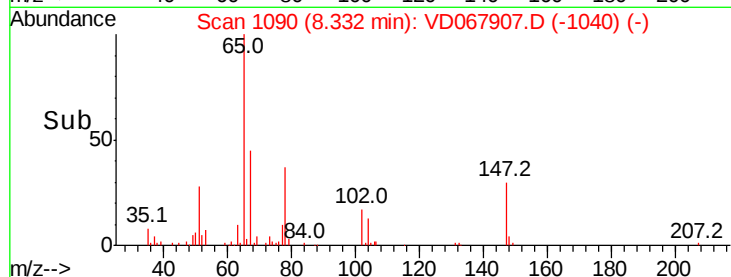
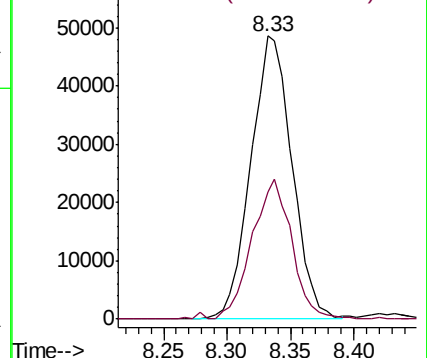
65 100

67 47.7 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

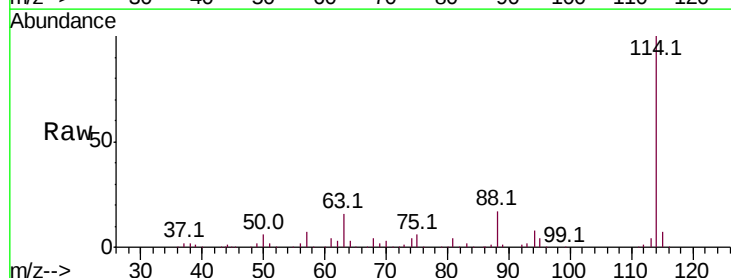
Tgt Ion: 114 Resp: 294311

Ion Ratio Lower Upper

114 100

63 16.0 0.0 30.8

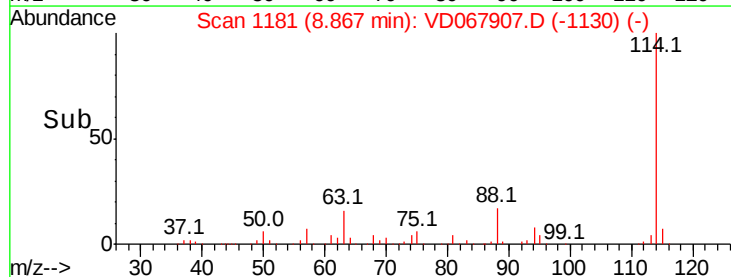
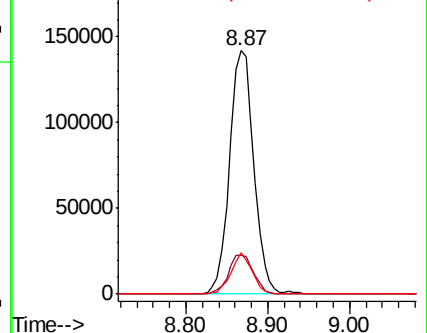
88 17.0 0.0 31.8

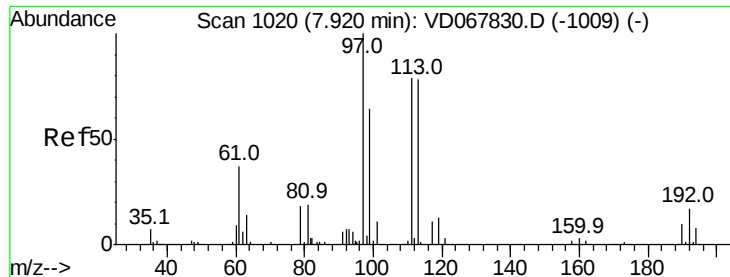


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

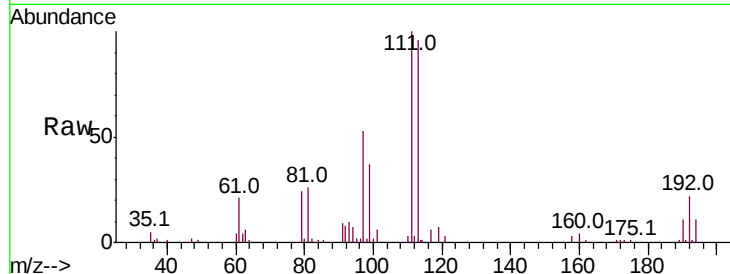




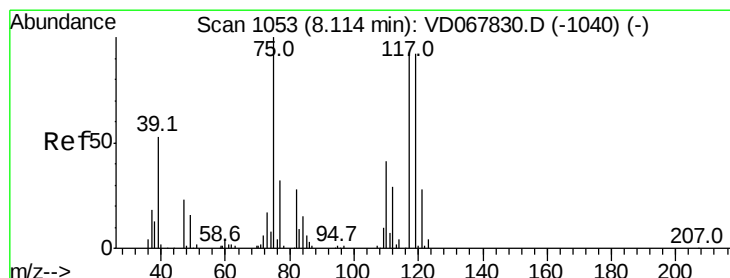
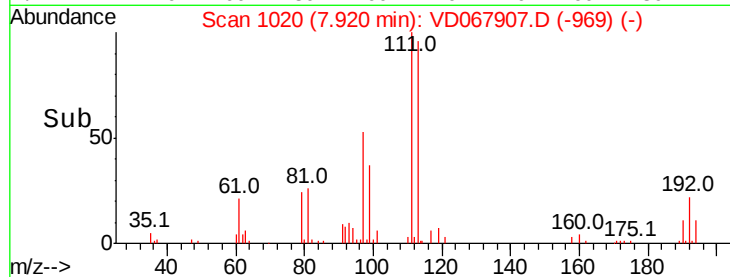
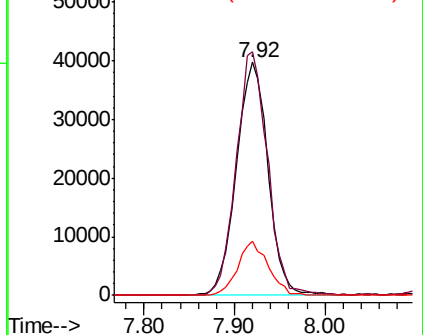
#35
 Dibromofluoromethane
 Concen: 48.995 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

Tot Ion:113 Resp: 96489
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.2 121.8
 192 22.2 16.8 25.2

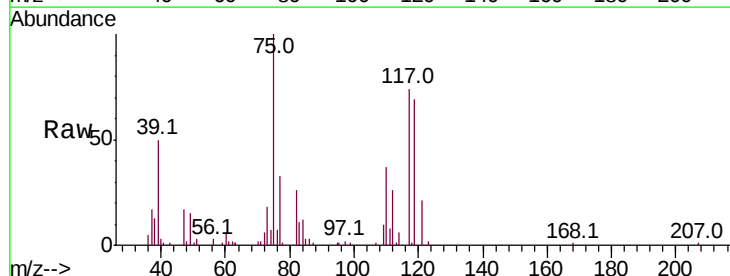


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

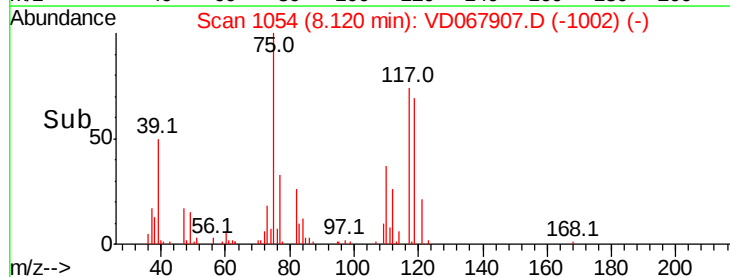
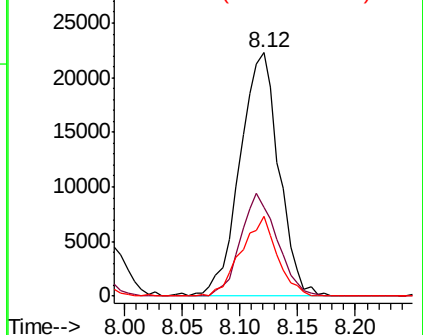


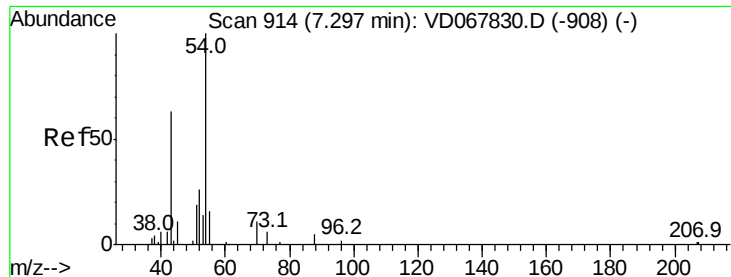
#36
 1,1-Dichloropropene
 Concen: 20.515 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 75 Resp: 52269
 Ion Ratio Lower Upper
 75 100
 110 39.6 20.3 61.0
 77 30.5 24.7 37.1



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

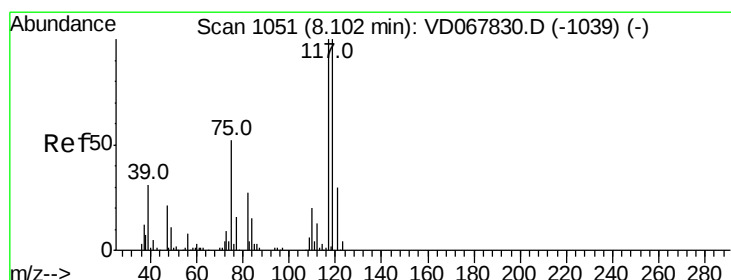
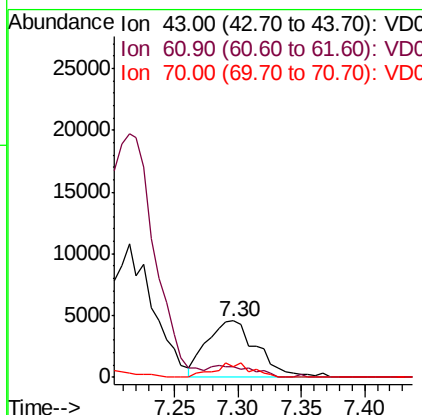
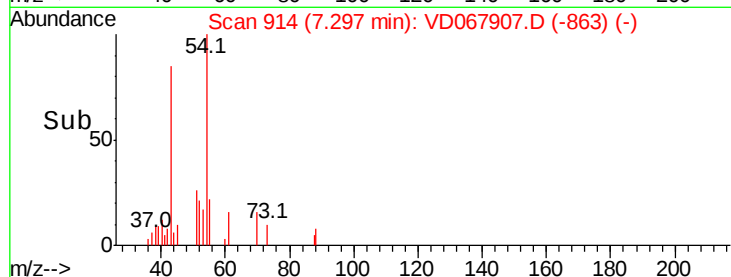
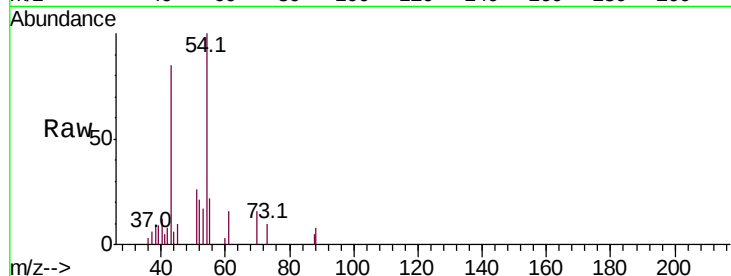




#37
Ethyl Acetate
Concen: 18.485 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

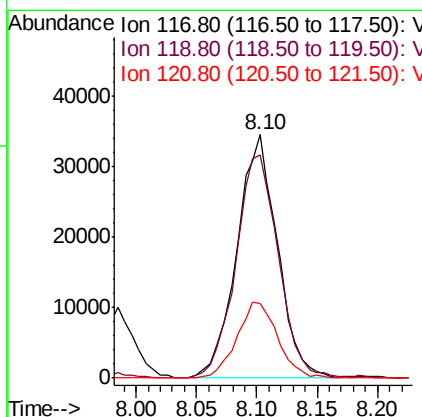
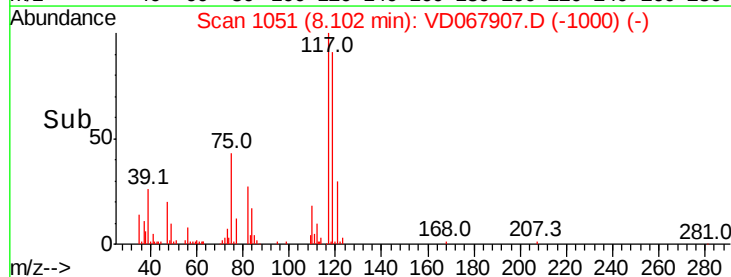
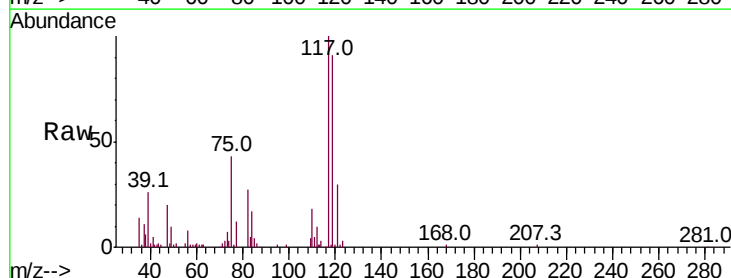
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

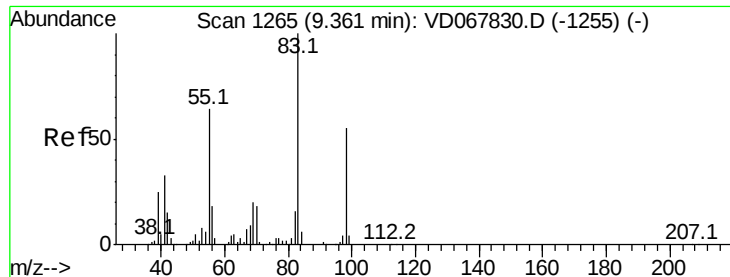
Tot Ion: 43 Resp: 12693
Ion Ratio Lower Upper
43 100
61 17.1 11.4 17.2
70 18.5 11.5 17.3#



#38
Carbon Tetrachloride
Concen: 20.907 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 117 Resp: 80596
Ion Ratio Lower Upper
117 100
119 91.5 79.7 119.5
121 30.5 23.8 35.6

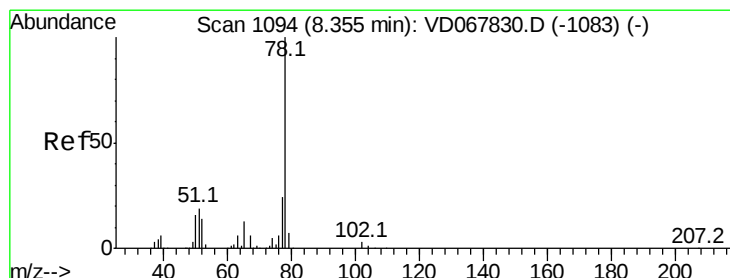
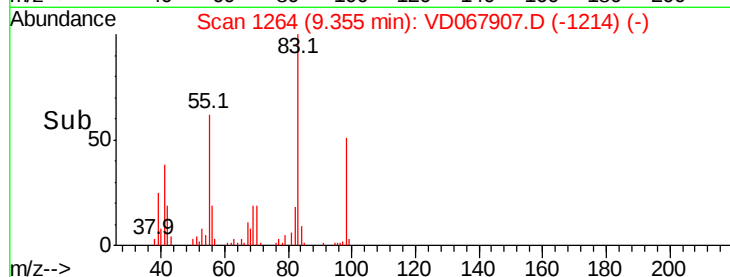
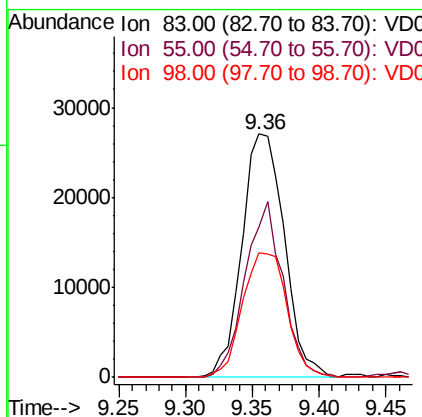
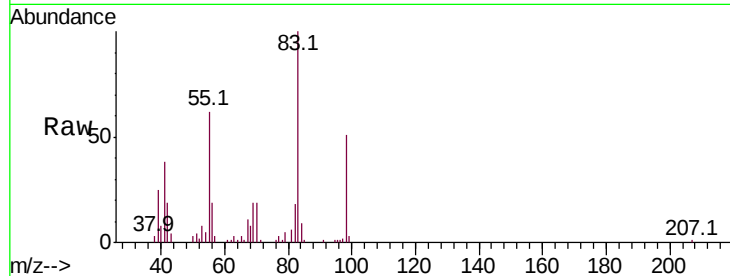




#39
Methvlcvclohexane
Concen: 19.726 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

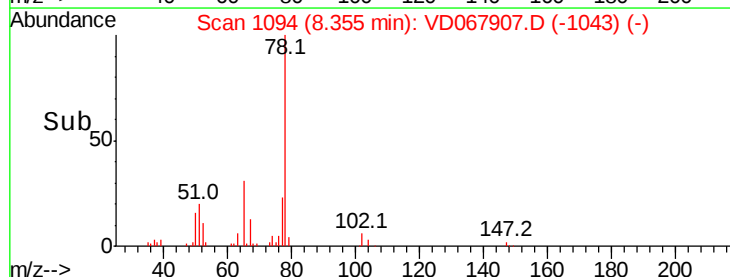
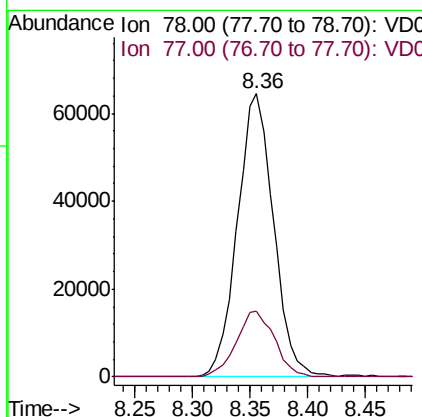
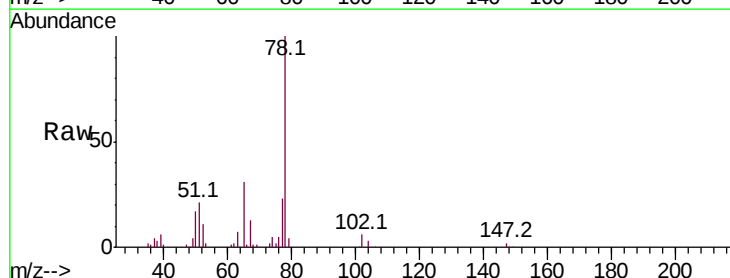
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

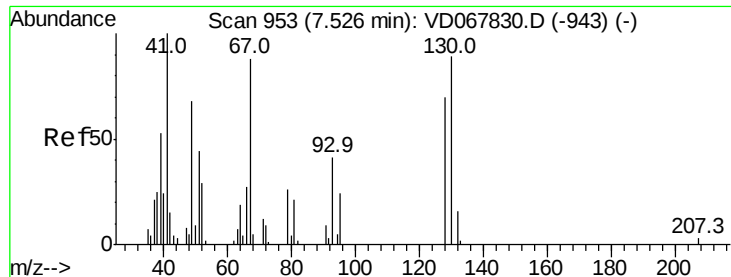
Tot Ion	83	Resp	59560
Ion Ratio	100		
Lower	51.6		
Upper	77.4		
83	100		
55	61.8		
98	51.2		
44.3			
66.5			



#40
Benzene
Concen: 20.130 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion	78	Resp	140337
Ion Ratio	100		
Lower	19.1		
Upper	28.7		
78	100		
77	23.2		





#41

Methacrylonitrile

Concen: 15.690 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

Tot Ion: 41 Resp: 6118

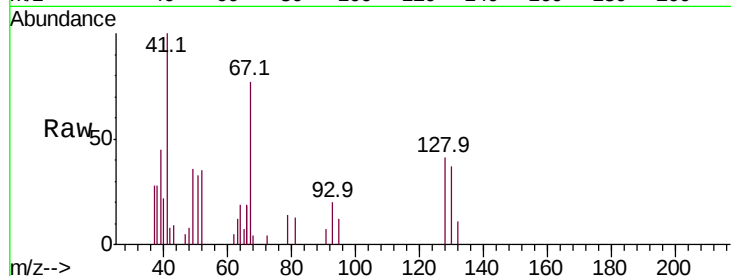
Ion Ratio Lower Upper

41 100

39 80.8 42.1 63.1#

67 122.3 82.4 123.6

52 49.9 30.6 45.8#

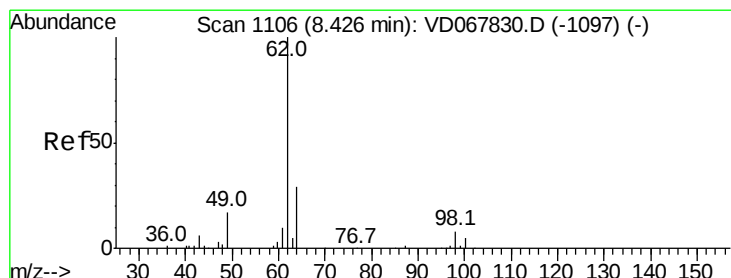
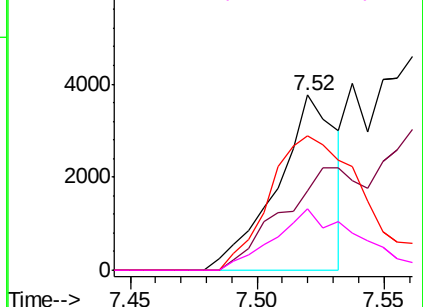
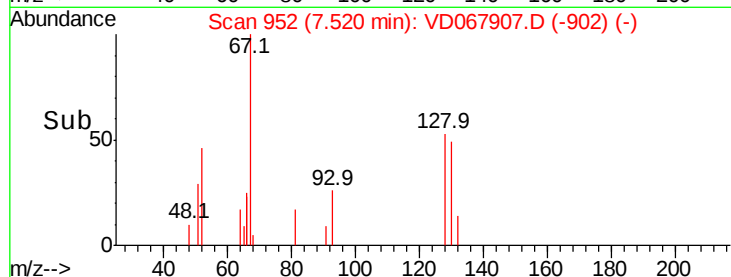


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 20.079 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067907.D

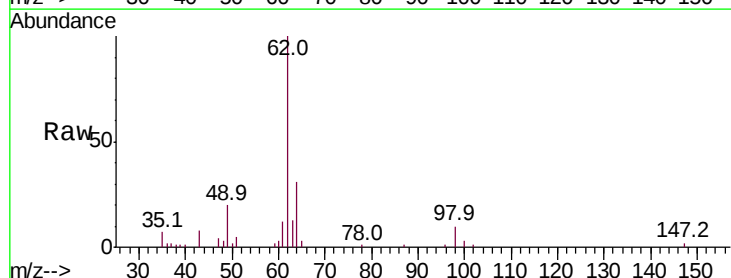
Acq: 08 Dec 2020 11:26

Tgt Ion: 62 Resp: 49890

Ion Ratio Lower Upper

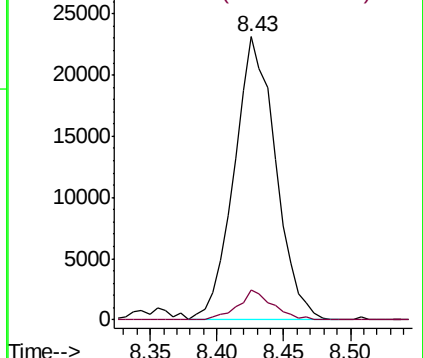
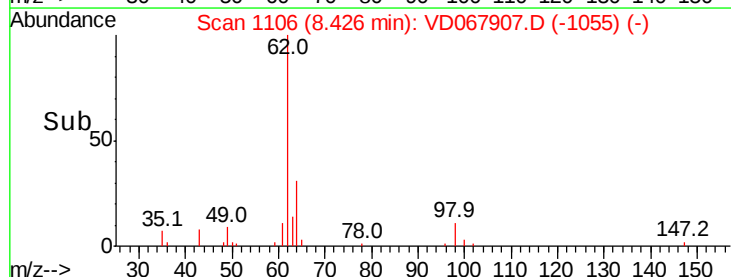
62 100

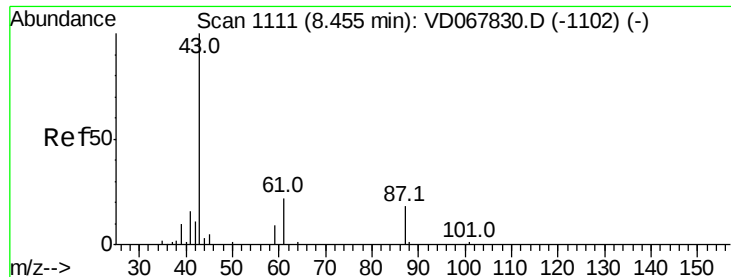
98 8.9 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 18.781 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

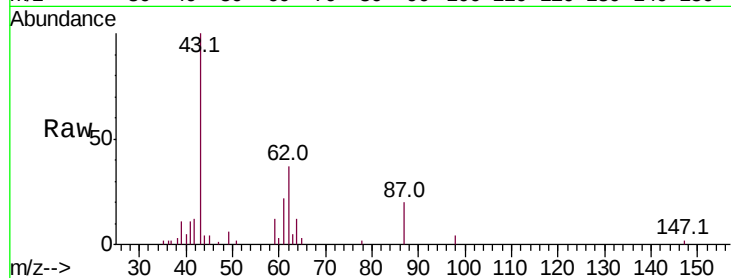
Tot Ion: 43 Resp: 25375

Ion Ratio Lower Upper

43 100

61 23.3 30.4 45.6#

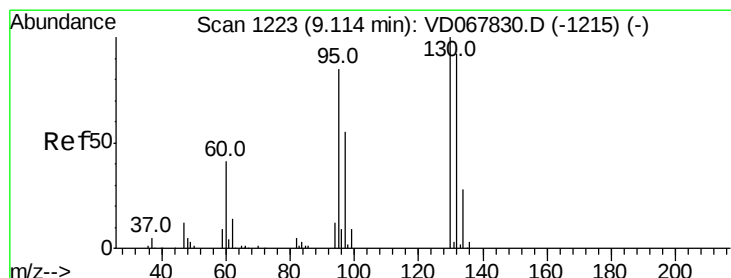
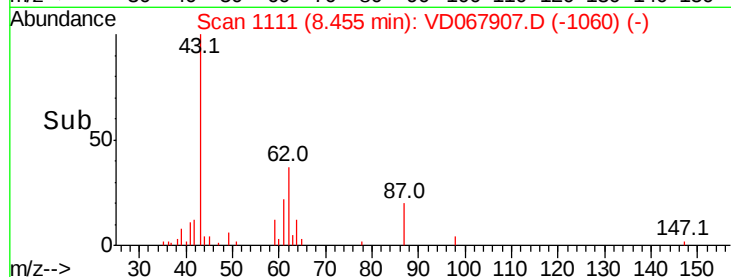
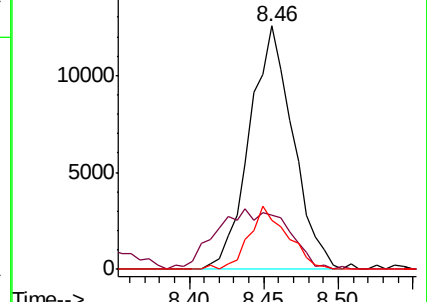
87 22.8 16.2 24.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.528 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067907.D

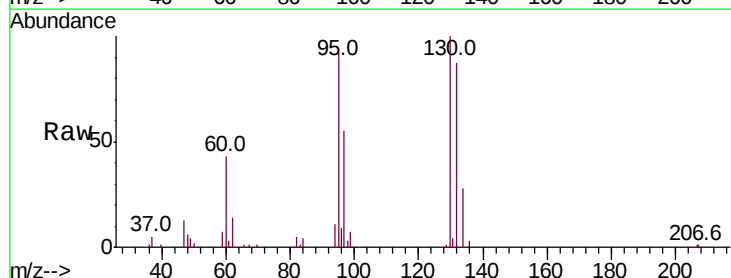
Acq: 08 Dec 2020 11:26

Tgt Ion:130 Resp: 49205

Ion Ratio Lower Upper

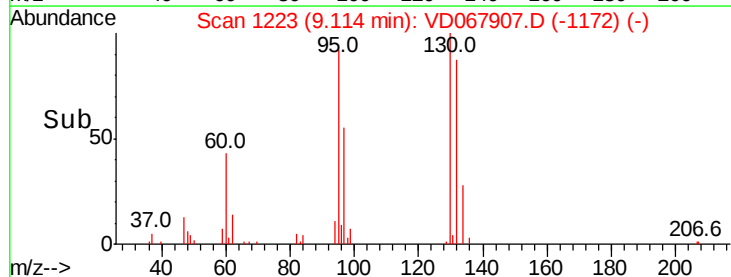
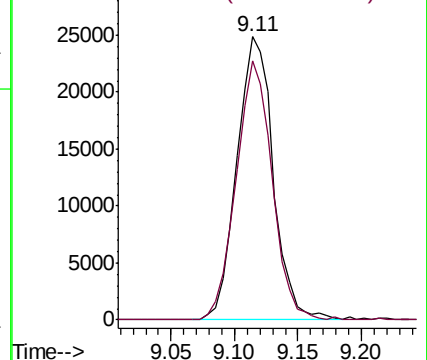
130 100

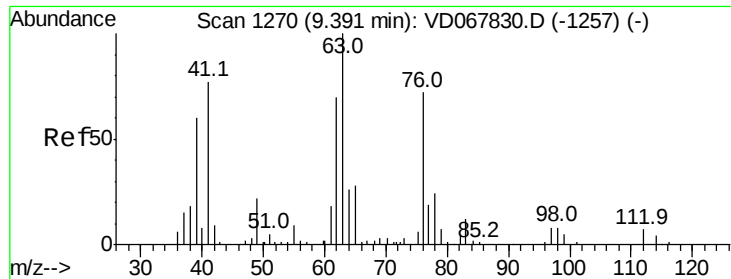
95 91.7 0.0 170.2



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.601 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

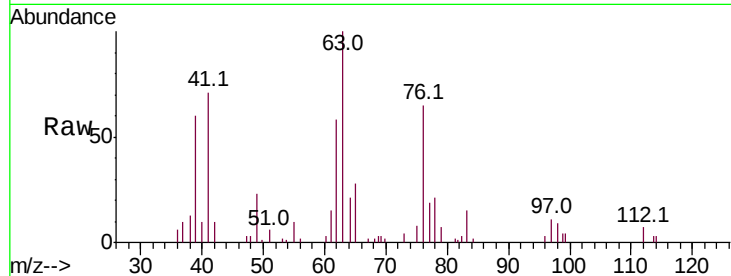
VD1208SBSD01

Tot Ion: 63 Resp: 28046

Ion Ratio Lower Upper

63 100

65 28.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

15000

10000

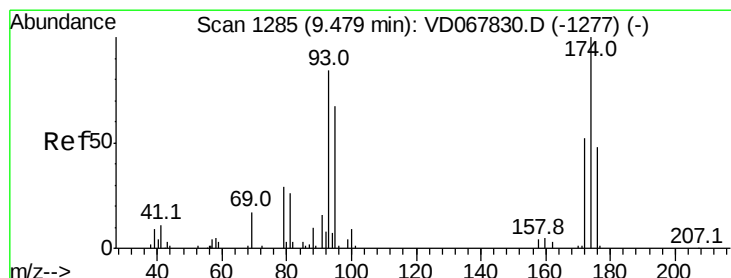
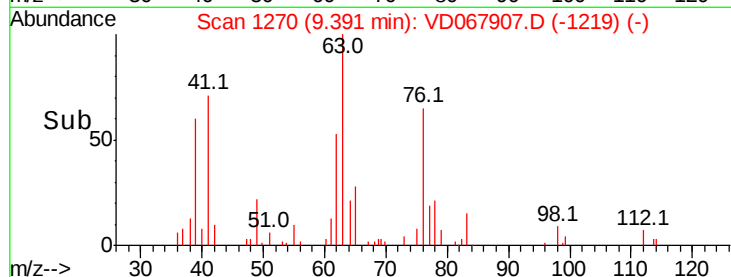
5000

0

9.39

9.30 9.35 9.40 9.45

Time-->



#46

Dibromomethane

Concen: 20.841 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. 0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

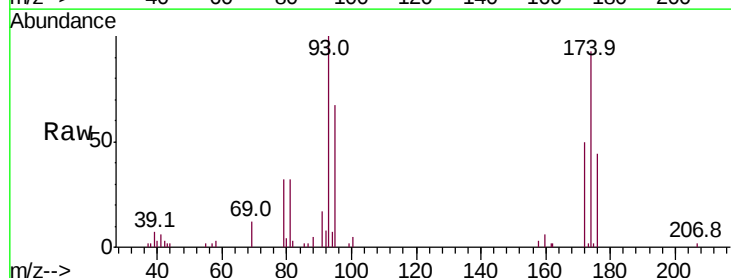
Tgt Ion: 93 Resp: 20734

Ion Ratio Lower Upper

93 100

95 78.2 64.2 96.4

174 110.7 91.5 137.3



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

15000

10000

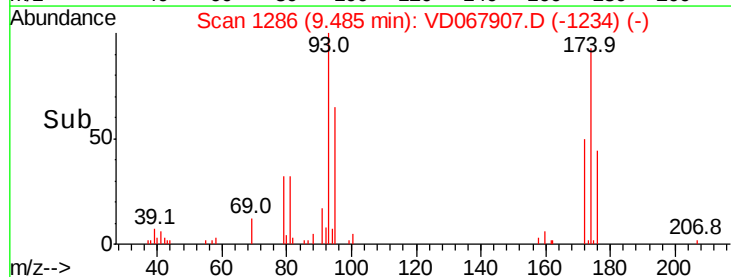
5000

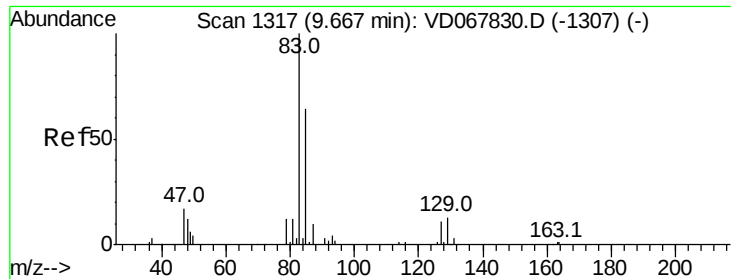
0

9.48

9.40 9.45 9.50 9.55

Time-->





#47

Bromodichloromethane

Concen: 20.082 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBSD01

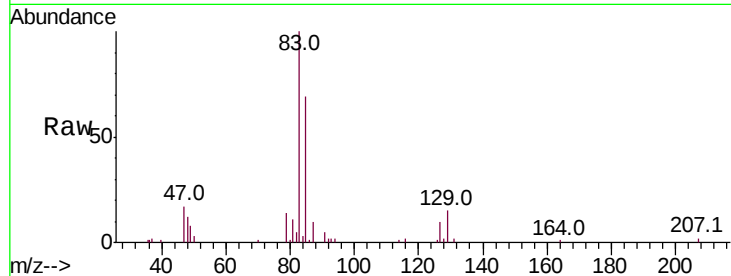
Tot Ion: 83 Resp: 56955

Ion Ratio Lower Upper

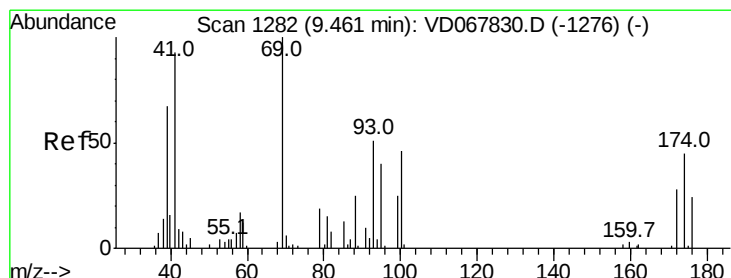
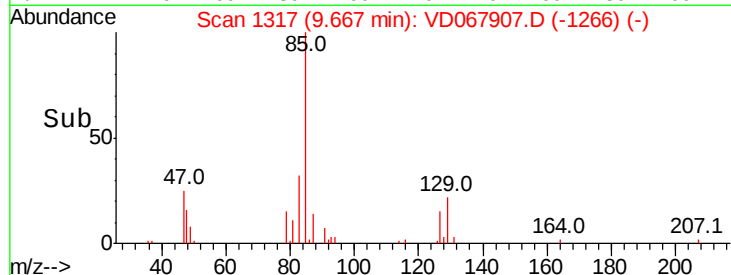
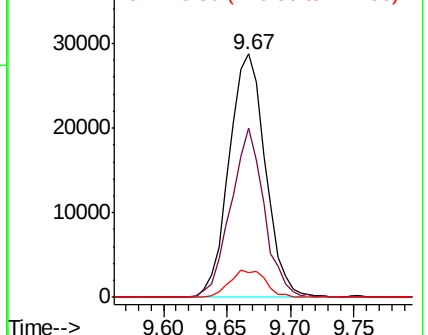
83 100

85 69.3 51.4 77.0

127 10.4 8.5 12.7



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



#48

Methyl methacrylate

Concen: 19.948 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

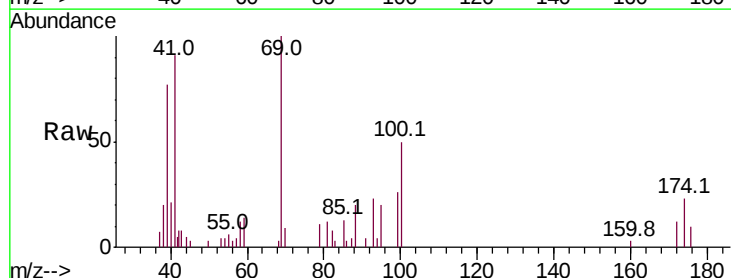
Tgt Ion: 41 Resp: 13686

Ion Ratio Lower Upper

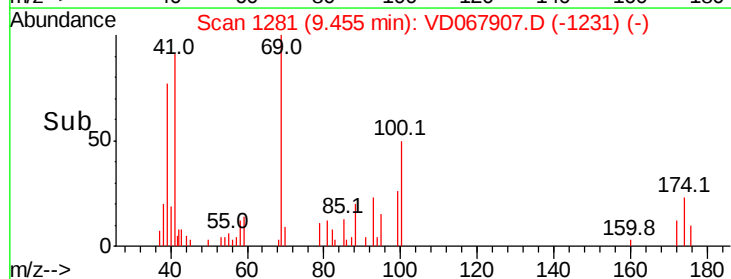
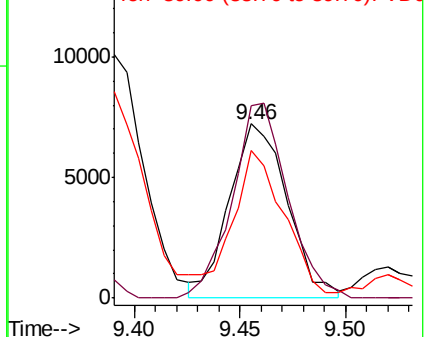
41 100

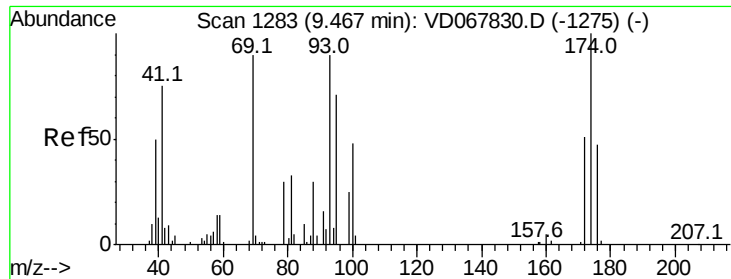
69 107.8 87.6 131.4

39 75.6 61.2 91.8



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

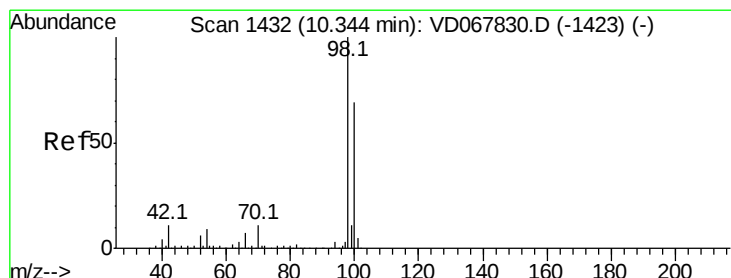
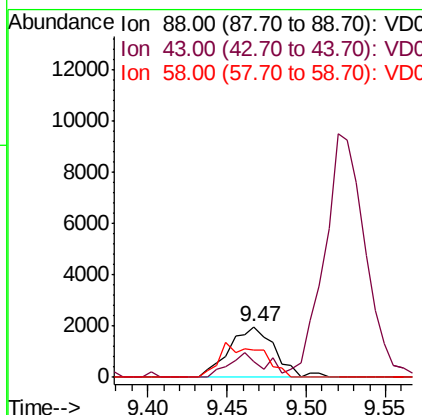
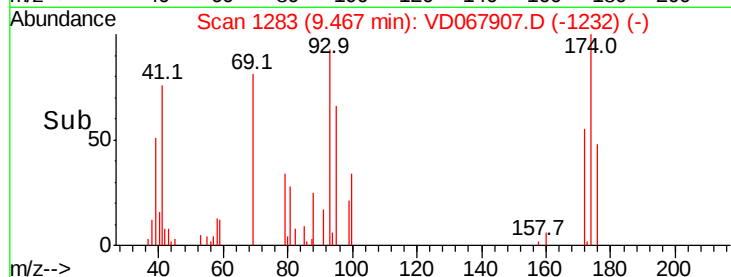
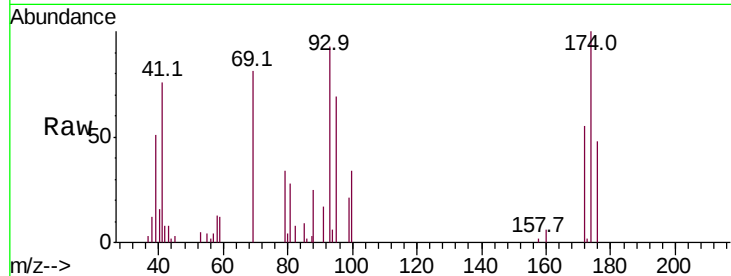




#49
 1,4-Dioxane
 Concen: 347.299 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

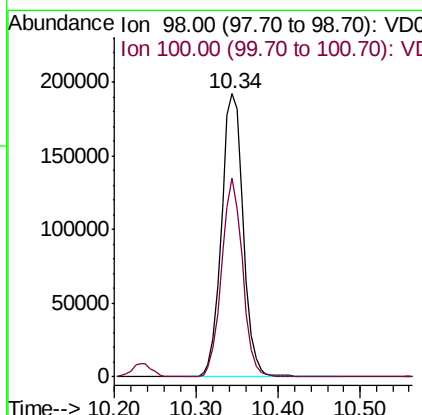
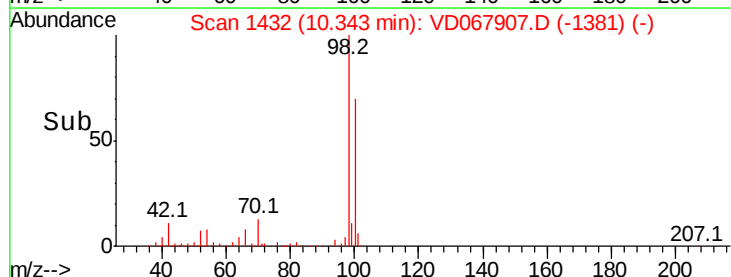
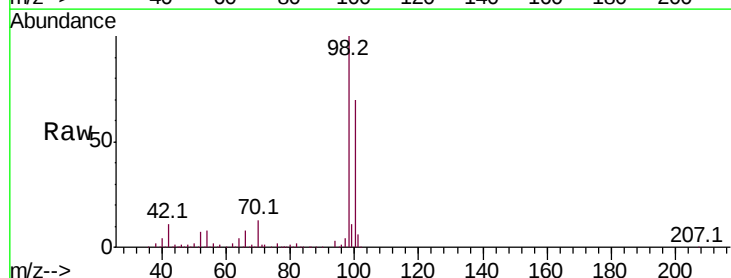
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

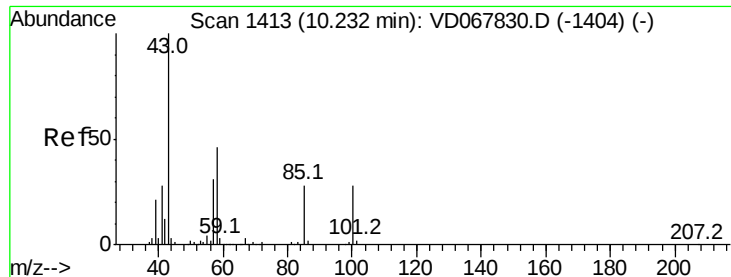
Tot Ion: 88 Resp: 3948
 Ion Ratio Lower Upper
 88 100
 43 37.6 30.1 45.1
 58 63.0 42.4 63.6



#50
 Toluene-d8
 Concen: 50.159 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 98 Resp: 355594
 Ion Ratio Lower Upper
 98 100
 100 67.4 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 92.150 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

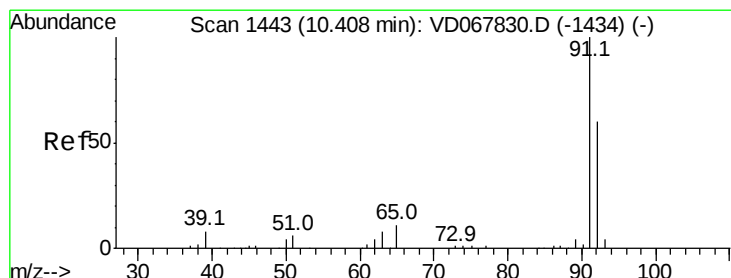
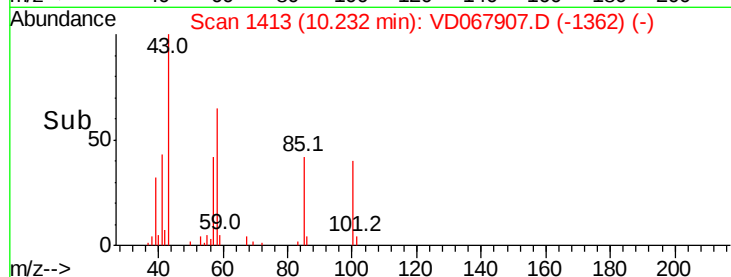
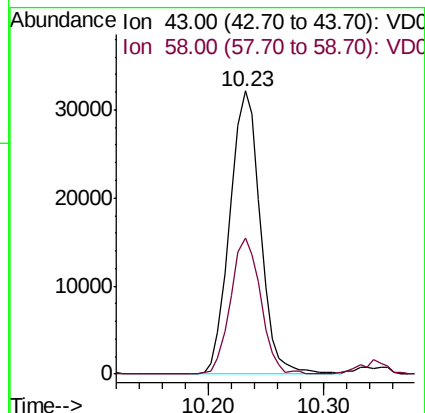
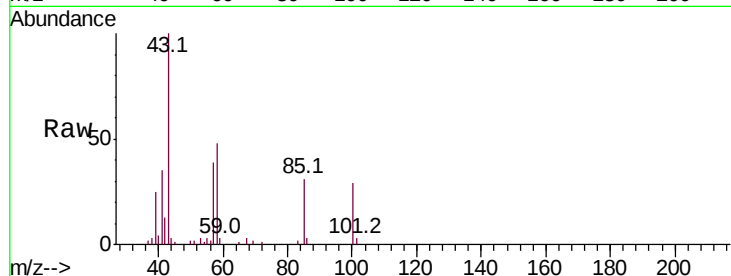
VD1208SBS01

Tot Ion: 43 Resp: 58927

Ion Ratio Lower Upper

43 100

58 47.3 35.7 53.5



#52

Toluene

Concen: 21.032 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067907.D

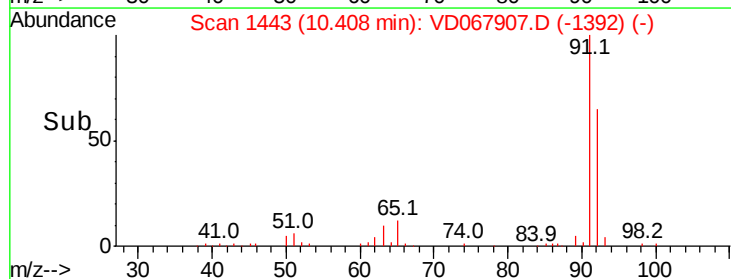
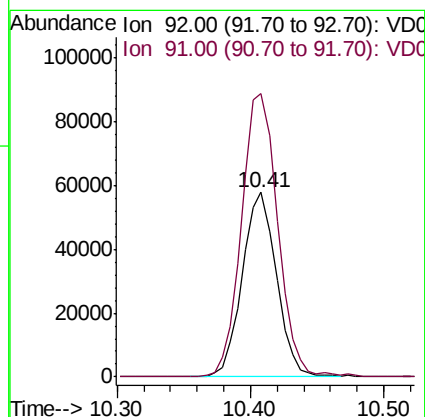
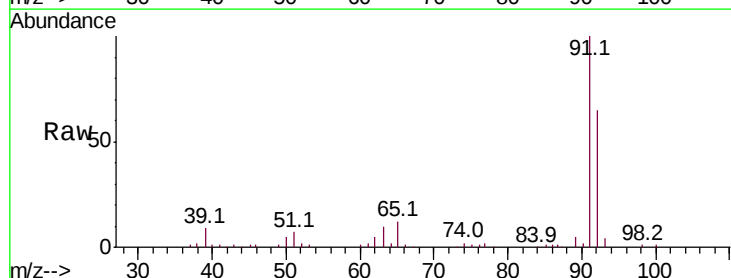
Acq: 08 Dec 2020 11:26

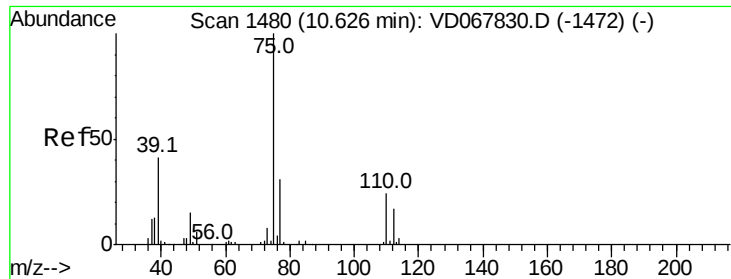
Tgt Ion: 92 Resp: 102514

Ion Ratio Lower Upper

92 100

91 163.1 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 20.383 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

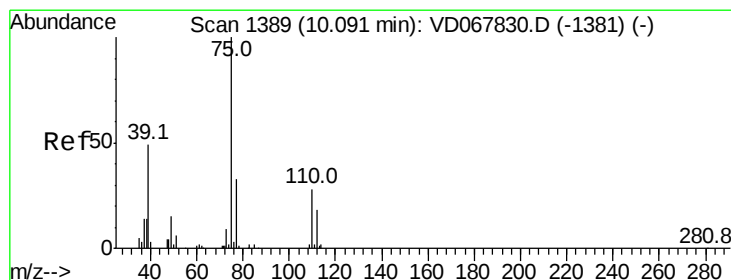
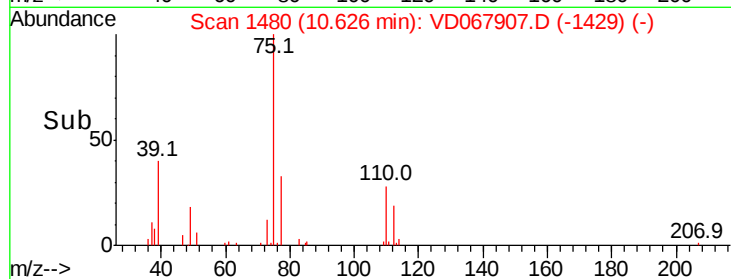
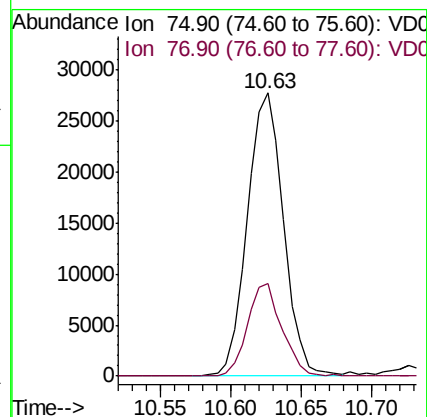
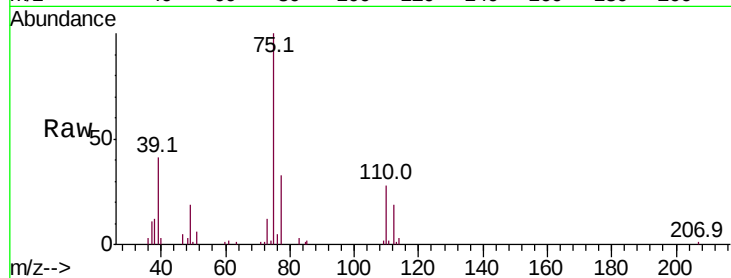
VD1208SBS01

Tot Ion: 75 Resp: 49896

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 20.684 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

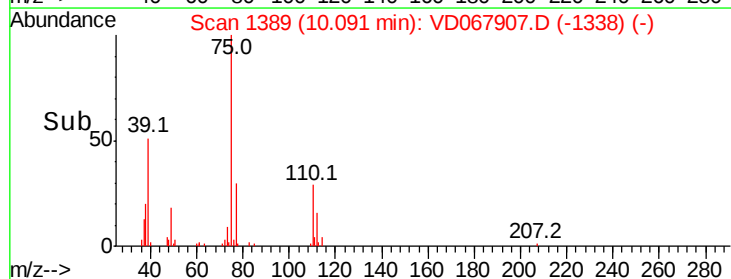
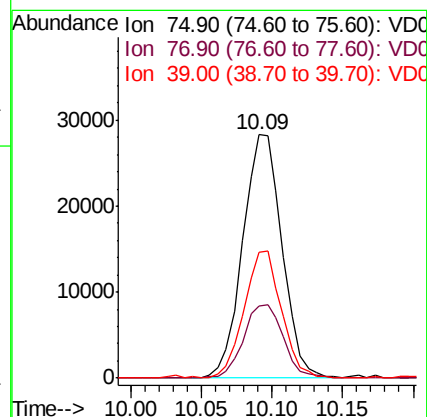
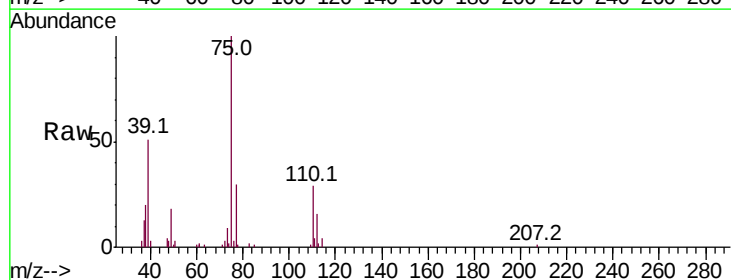
Tgt Ion: 75 Resp: 55077

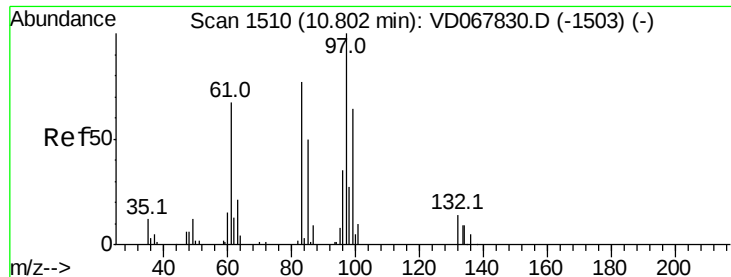
Ion Ratio Lower Upper

75 100

77 29.5 26.2 39.2

39 51.4 39.0 58.4

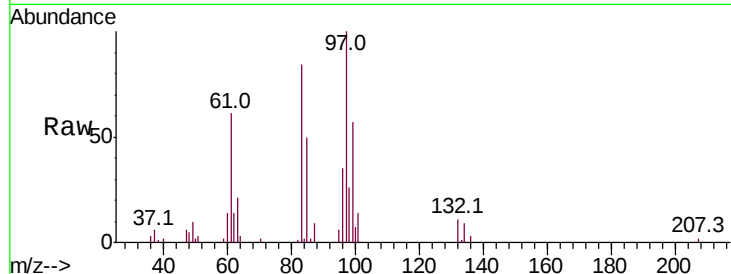




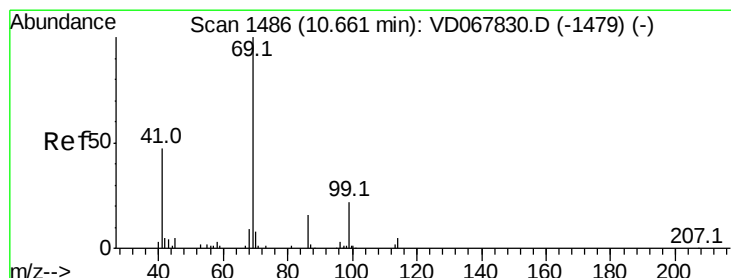
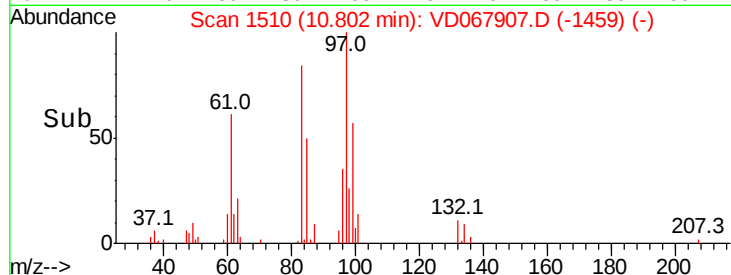
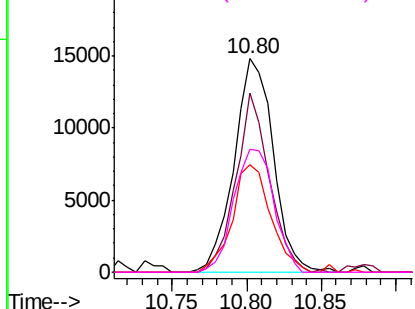
#55
 1,1,2-Trichloroethane
 Concen: 19.867 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

Tot Ion:	97	Resp:	27049
Ion	Ratio	Lower	Upper
97	100		
83	83.8	61.9	92.9
85	50.4	40.2	60.4
99	57.4	51.0	76.6

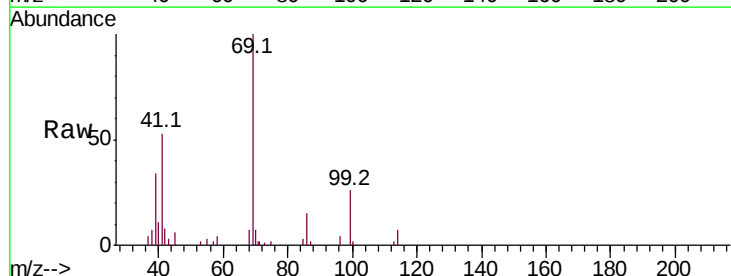


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

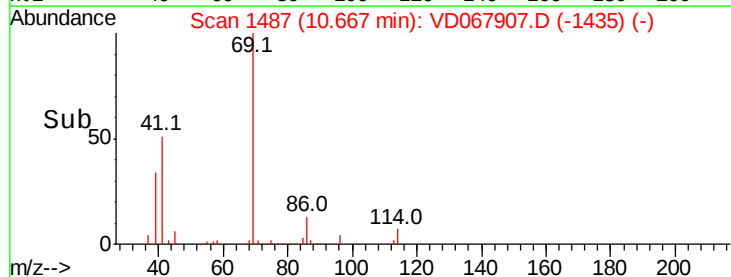
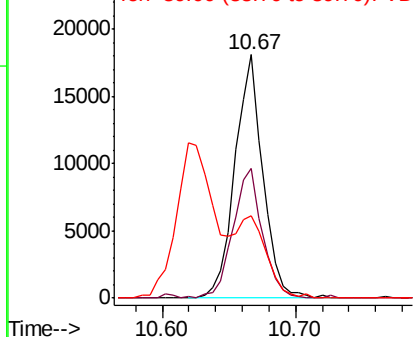


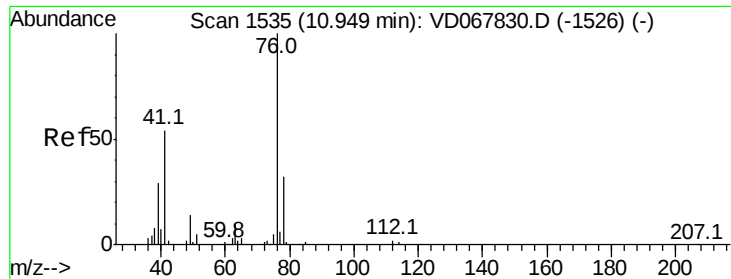
#56
 Ethyl methacrylate
 Concen: 18.975 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion:	69	Resp:	26284
Ion	Ratio	Lower	Upper
69	100		
41	56.5	42.8	64.2
39	30.8	30.5	45.7



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

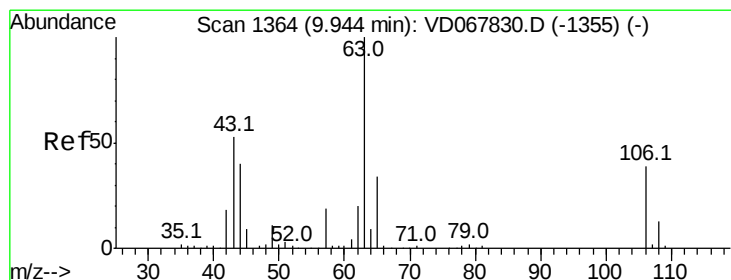
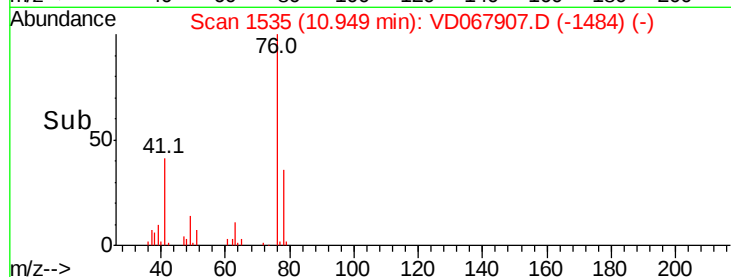
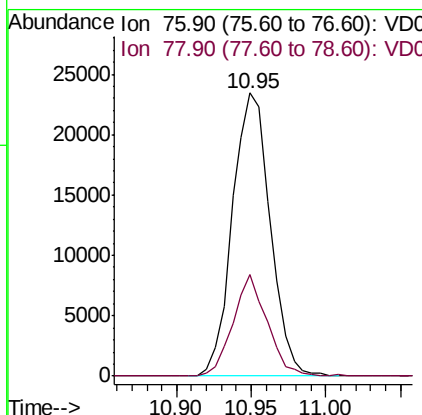
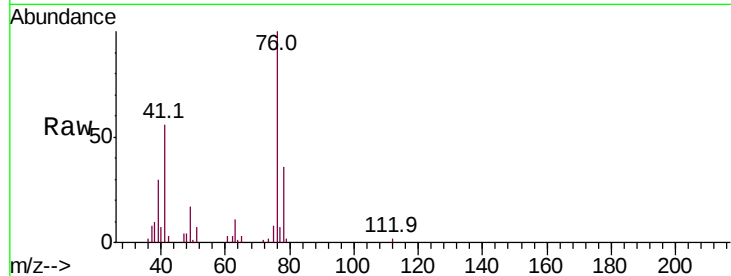




#57
 1,3-Dichloropropane
 Concen: 19.134 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

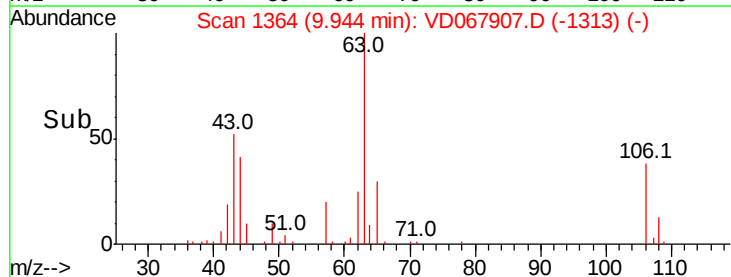
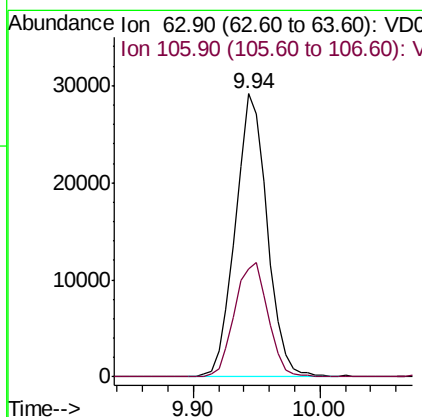
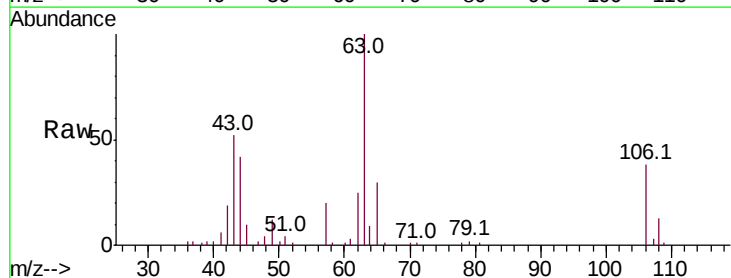
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

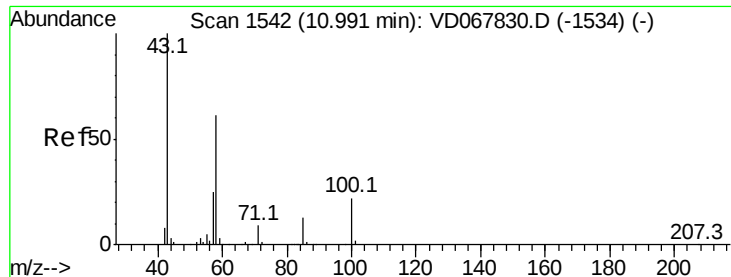
Tot Ion: 76 Resp: 41265
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 80.423 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 63 Resp: 50693
 Ion Ratio Lower Upper
 63 100
 106 42.1 32.0 48.0

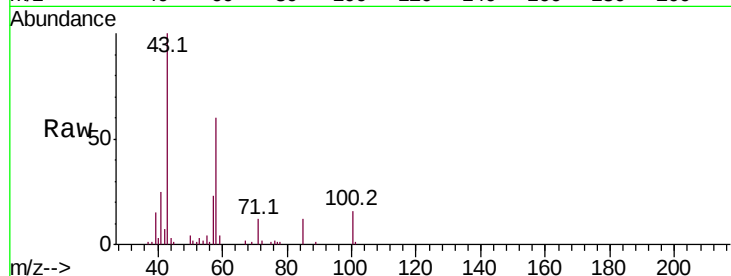




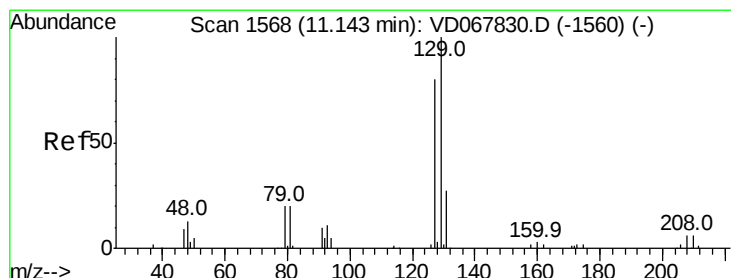
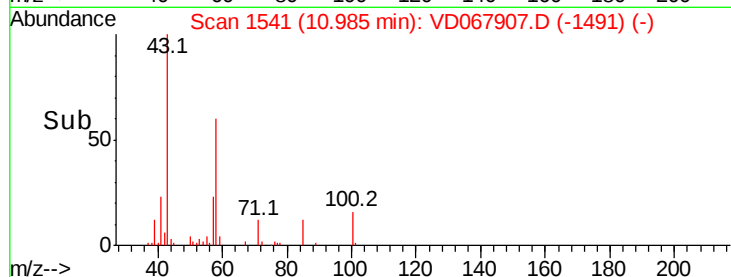
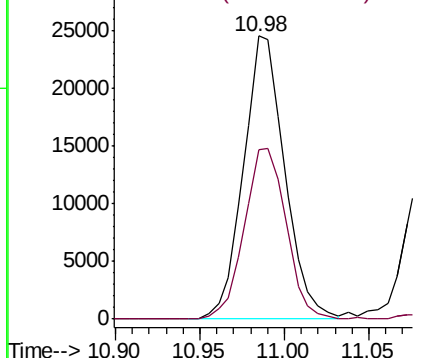
#59
2-Hexanone
Concen: 93.034 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

Tot Ion: 43 Resp: 41939
Ion Ratio Lower Upper
43 100
58 60.9 29.9 89.7

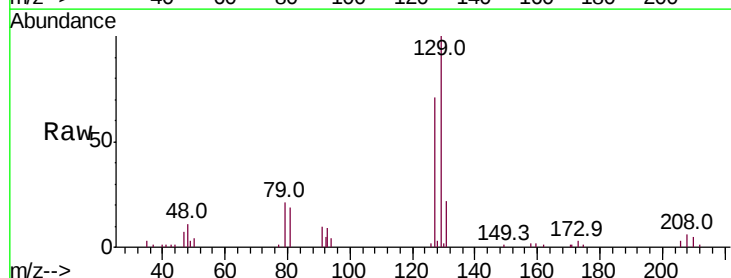


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

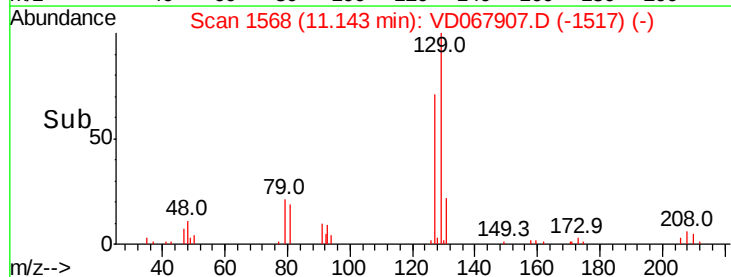
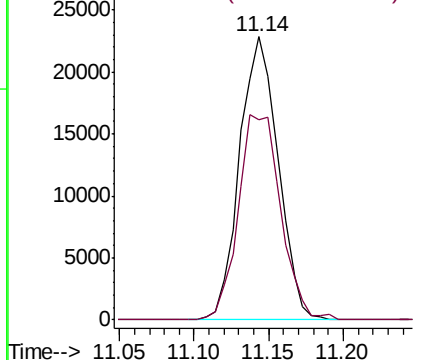


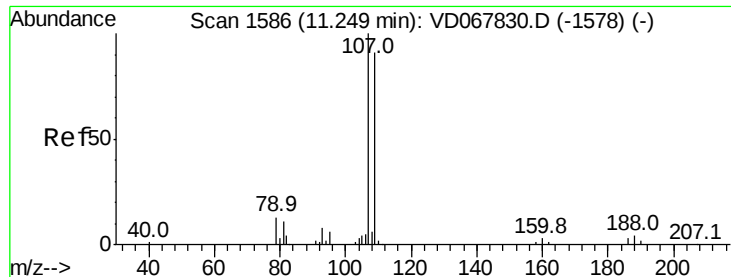
#60
Dibromochloromethane
Concen: 19.936 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 129 Resp: 40915
Ion Ratio Lower Upper
129 100
127 79.6 39.2 117.6



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

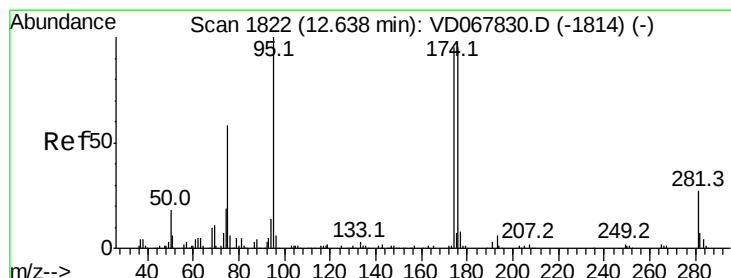
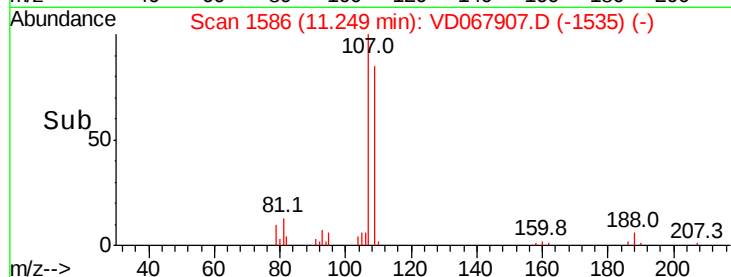
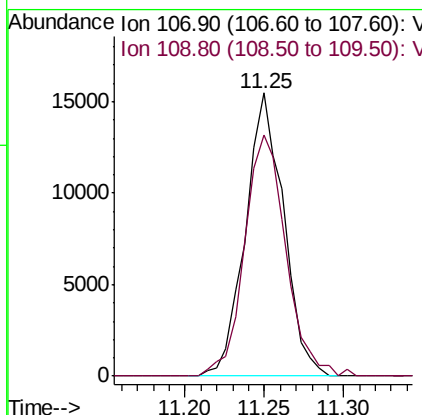
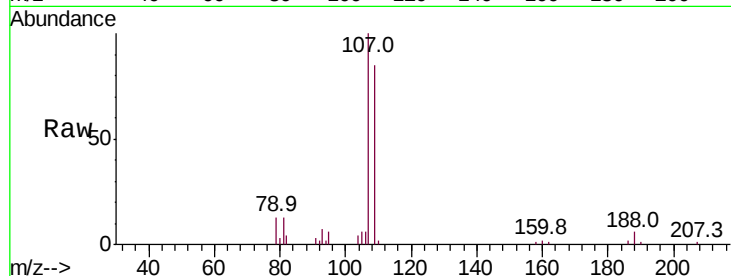




#61
 1,2-Dibromoethane
 Concen: 19.288 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

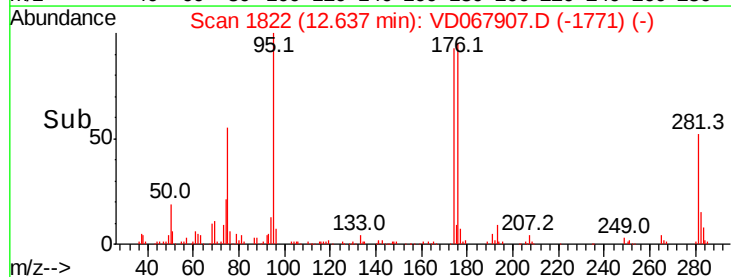
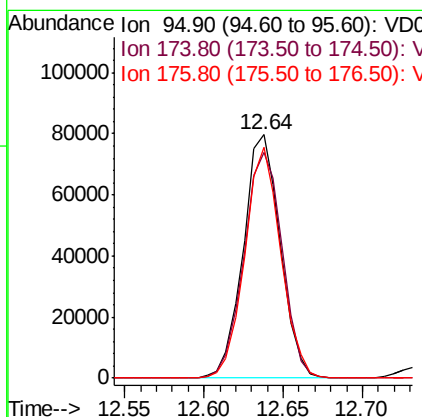
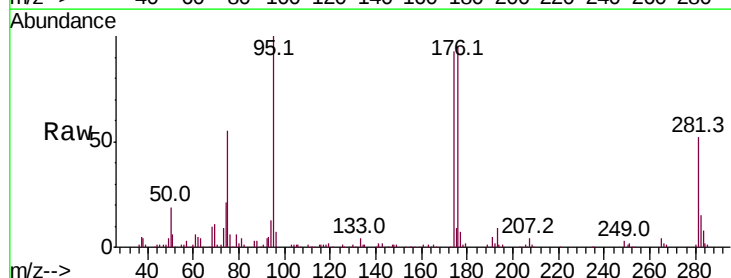
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

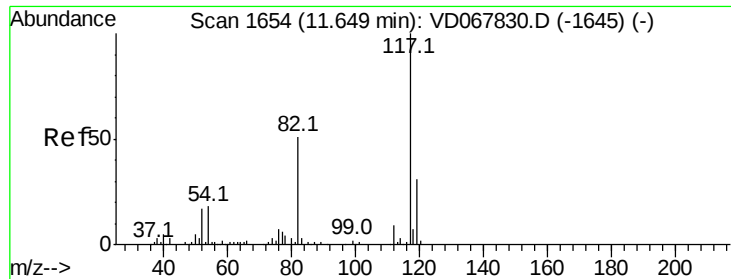
Tot Ion:107 Resp: 25824
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 52.700 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion: 95 Resp: 129167
 Ion Ratio Lower Upper
 95 100
 174 96.2 0.0 186.0
 176 92.5 0.0 184.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBSD01

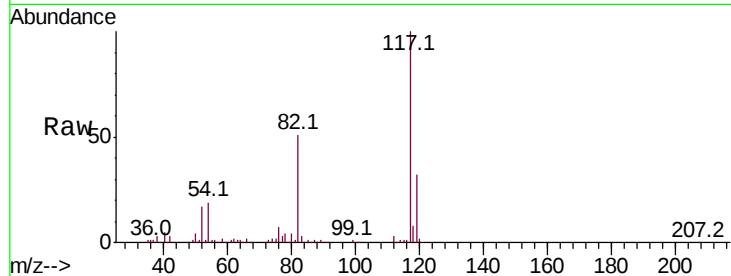
Tot Ion:117 Resp: 272715

Ion Ratio Lower Upper

117 100

82 51.0 40.6 60.8

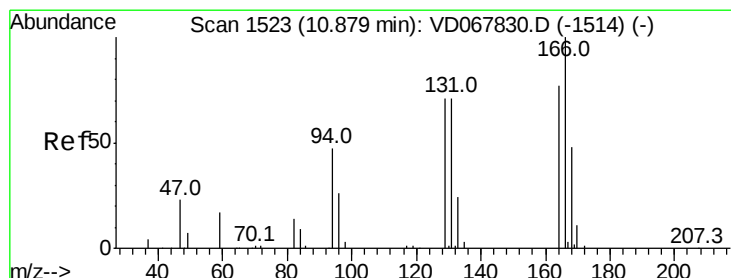
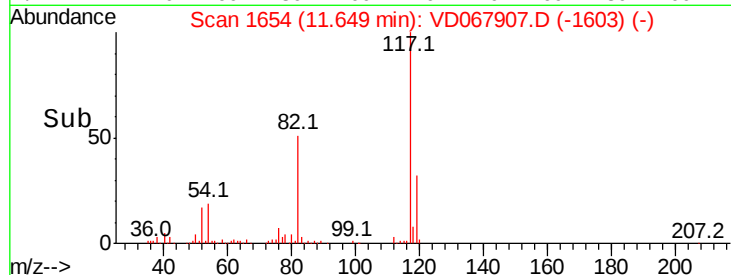
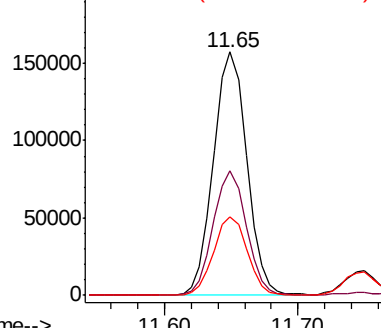
119 32.0 25.1 37.7



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.396 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Tgt Ion:164 Resp: 45371

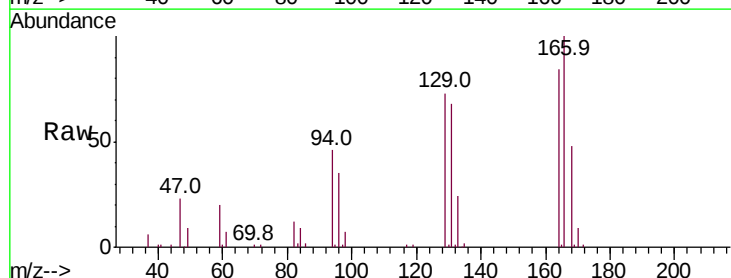
Ion Ratio Lower Upper

164 100

166 118.6 103.8 155.6

129 86.3 73.3 109.9

131 80.7 74.1 111.1

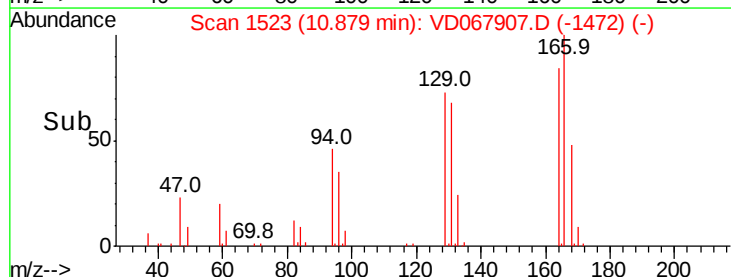
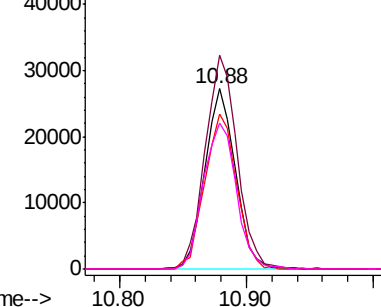


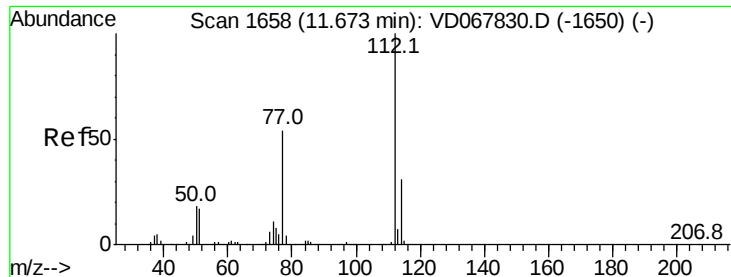
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.278 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

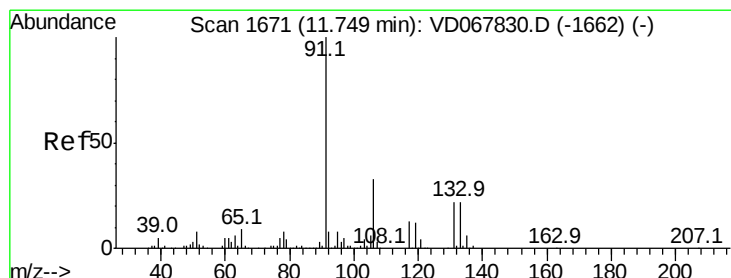
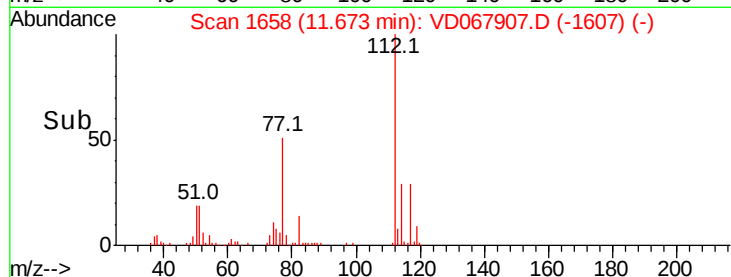
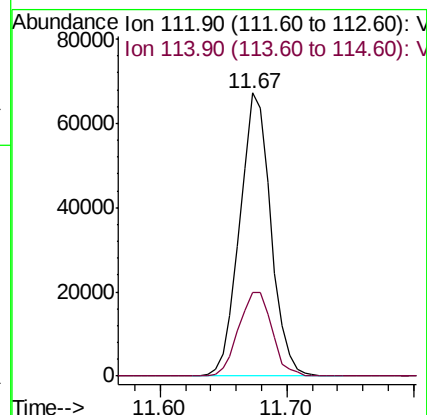
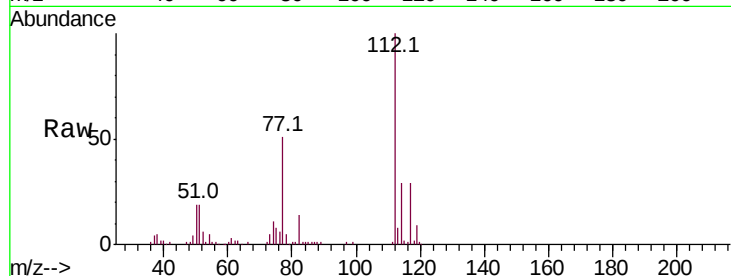
VD1208SBSD01

Tot Ion:112 Resp: 114105

Ion Ratio Lower Upper

112 100

114 29.4 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 20.491 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

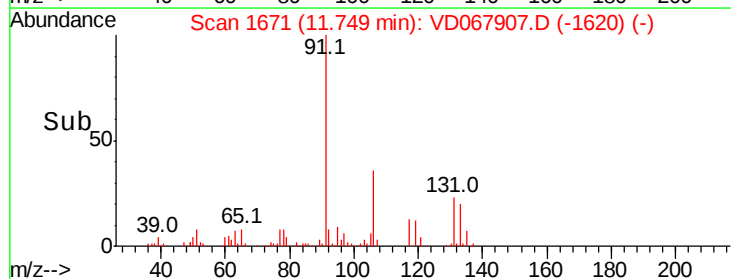
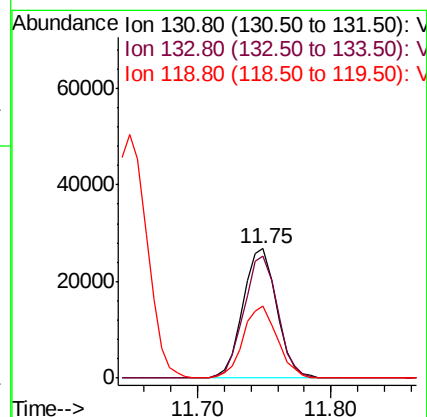
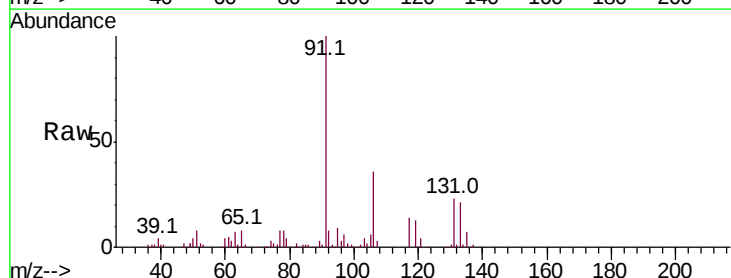
Tgt Ion:131 Resp: 47029

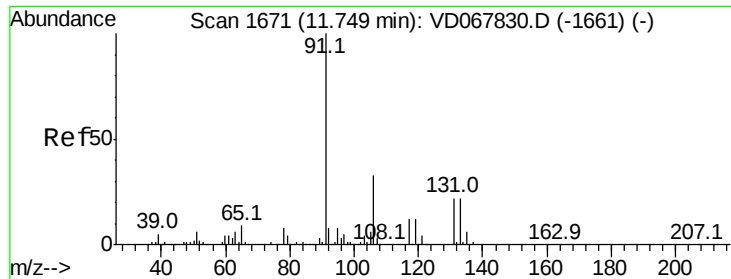
Ion Ratio Lower Upper

131 100

133 94.2 49.9 149.7

119 55.9 29.6 88.9





#67

Ethyl Benzene

Concen: 20.629 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

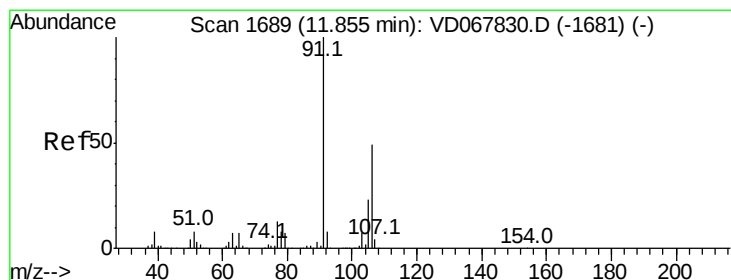
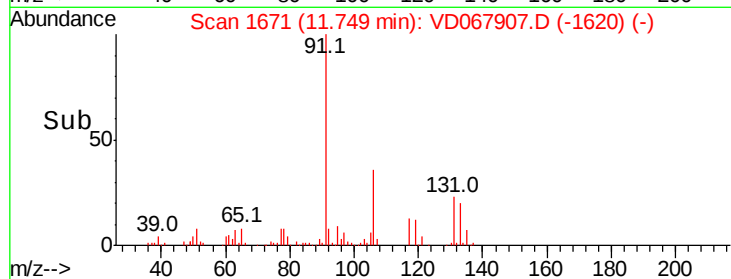
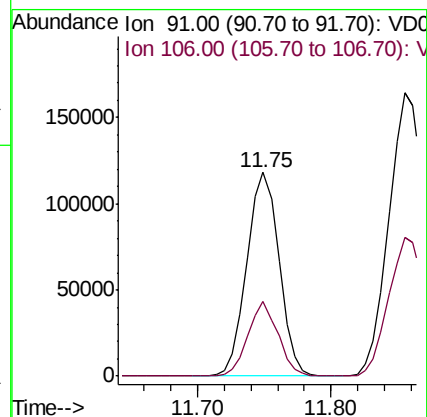
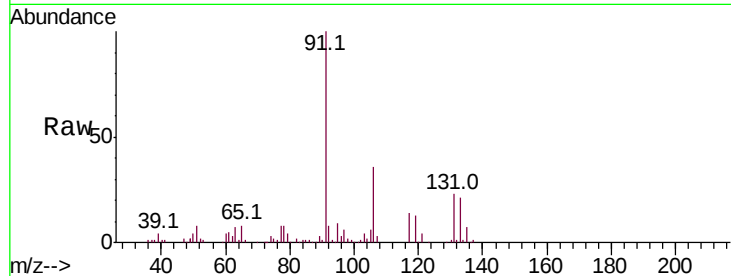
VD1208SBS01

Tot Ion: 91 Resp: 197745

Ion Ratio Lower Upper

91 100

106 36.5 26.2 39.2



#68

m/p-Xylenes

Concen: 41.179 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067907.D

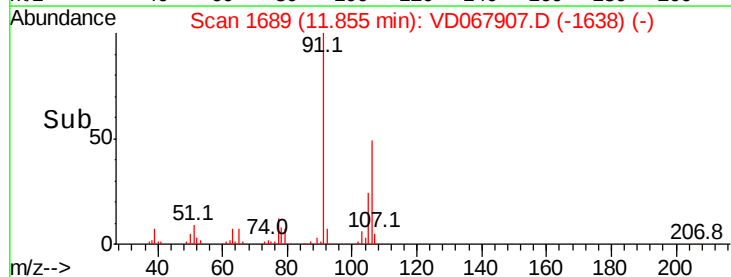
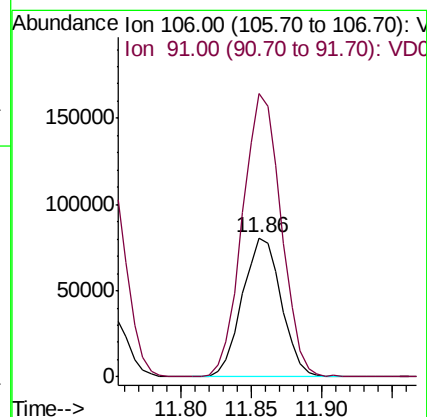
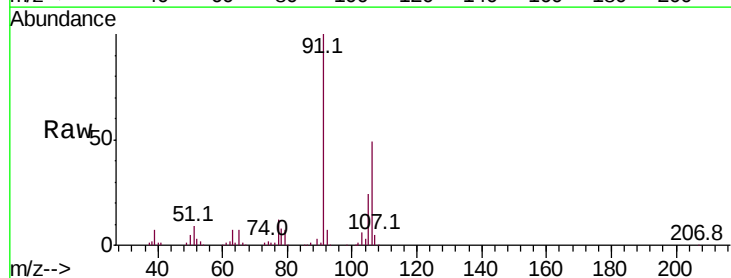
Acq: 08 Dec 2020 11:26

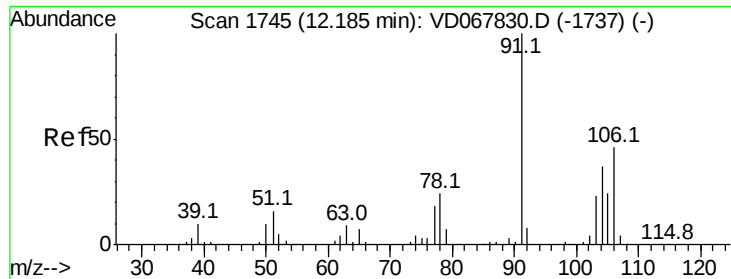
Tgt Ion: 106 Resp: 155649

Ion Ratio Lower Upper

106 100

91 202.6 162.8 244.2

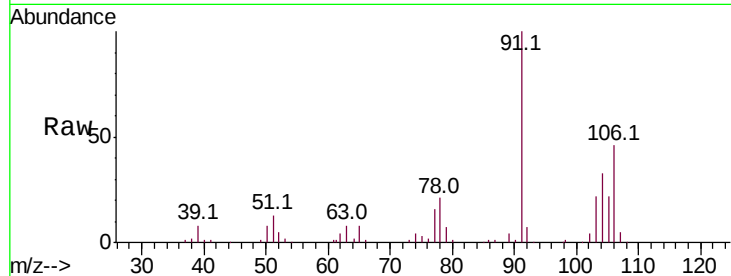




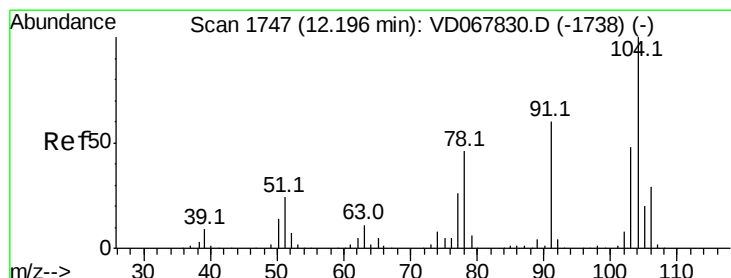
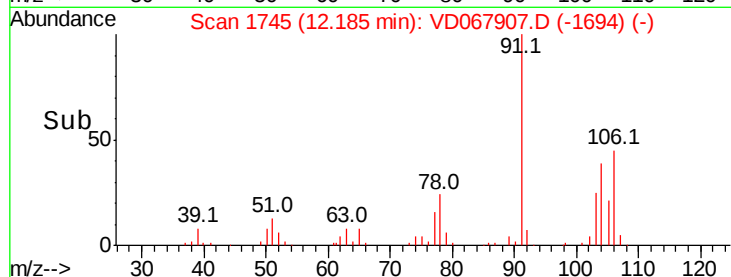
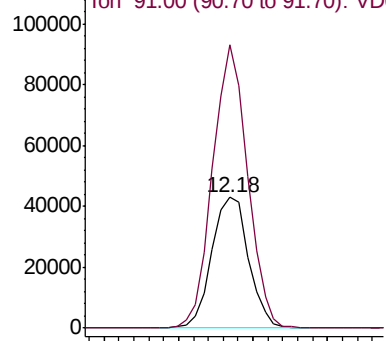
#69
o-Xylene
Concen: 21.940 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBSD01

Tot Ion:106 Resp: 73622
Ion Ratio Lower Upper
106 100
91 205.0 107.5 322.5

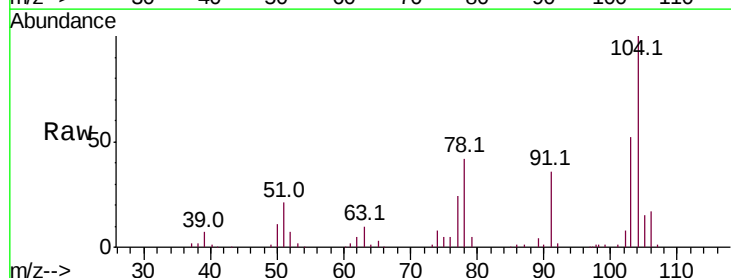


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

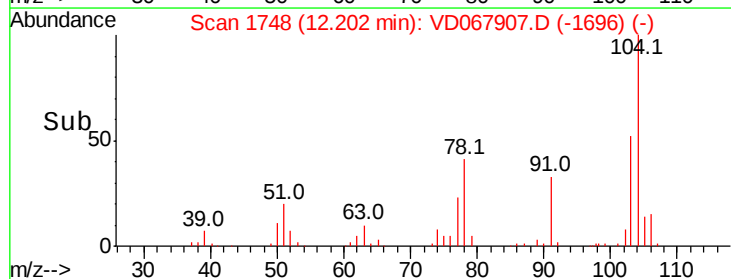
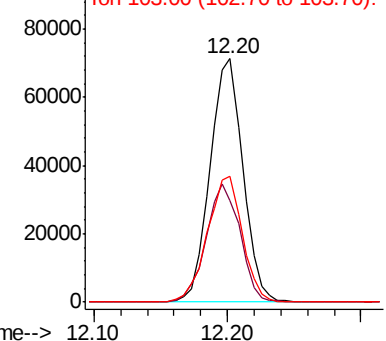


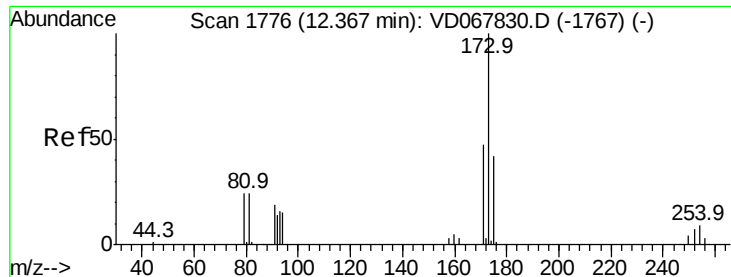
#70
Styrene
Concen: 20.825 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion:104 Resp: 121513
Ion Ratio Lower Upper
104 100
78 50.1 41.6 62.4
103 54.7 43.2 64.8



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: 20.636 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

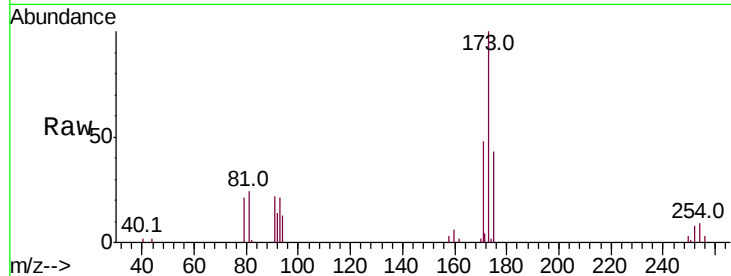
Tot Ion:173 Resp: 25071

Ion Ratio Lower Upper

173 100

175 46.0 23.4 70.3

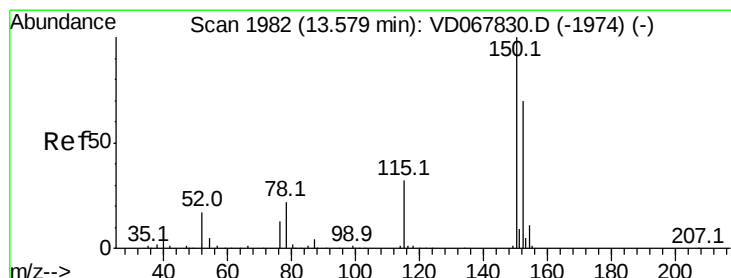
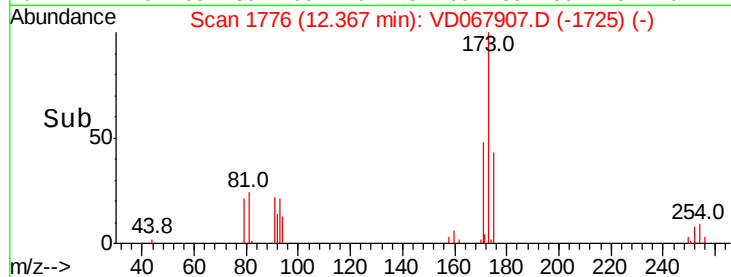
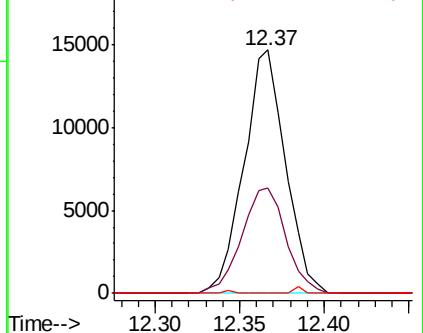
254 0.6 0.1 0.1#



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: VD067907.D

Acq: 08 Dec 2020 11:26

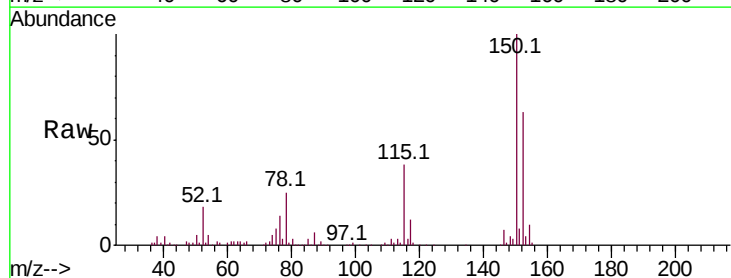
Tgt Ion:152 Resp: 142482

Ion Ratio Lower Upper

152 100

115 60.4 29.1 87.4

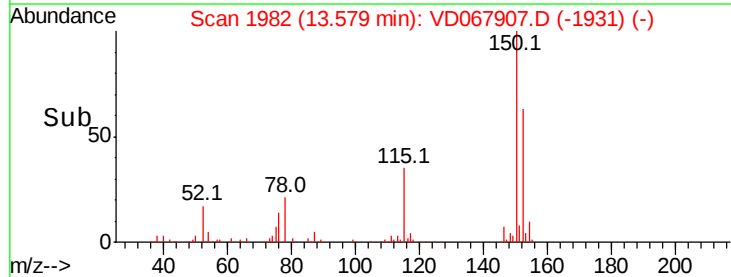
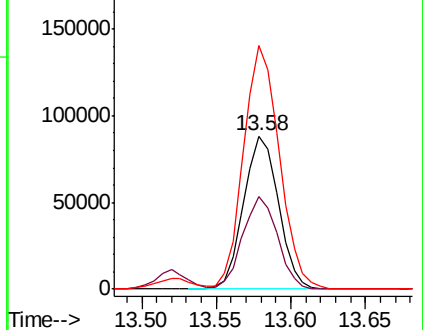
150 164.8 0.0 339.0

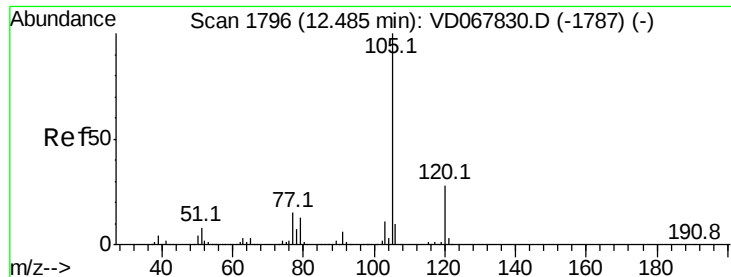


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.036 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

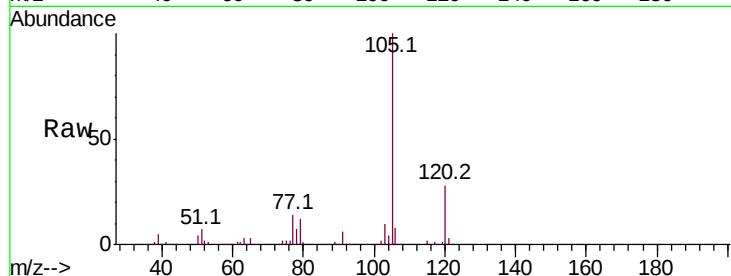
VD1208SBS01

Tot Ion:105 Resp: 206118

Ion Ratio Lower Upper

105 100

120 27.5 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

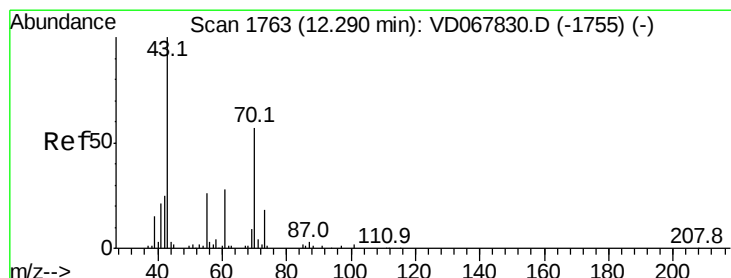
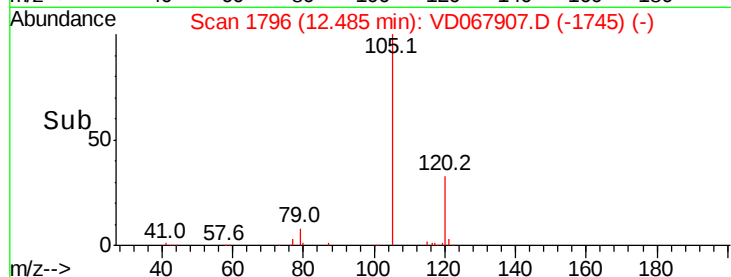
150000

120000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 18.180 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Tgt Ion: 43 Resp: 22035

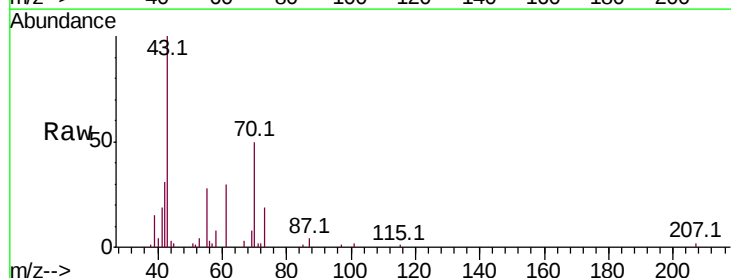
Ion Ratio Lower Upper

43 100

70 53.6 44.6 66.8

55 31.7 22.2 33.2

61 29.2 22.7 34.1



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

20000

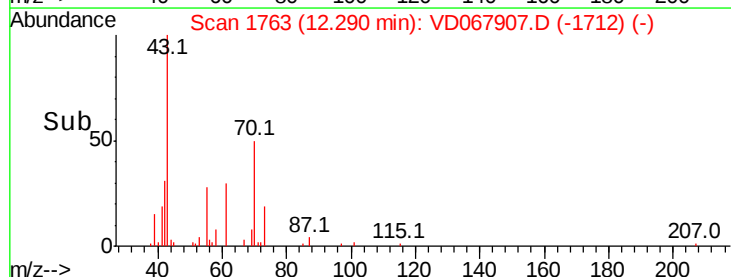
15000

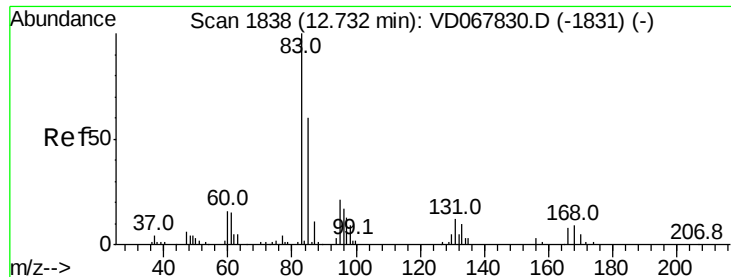
10000

5000

0

Time--> 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 18.859 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBSD01

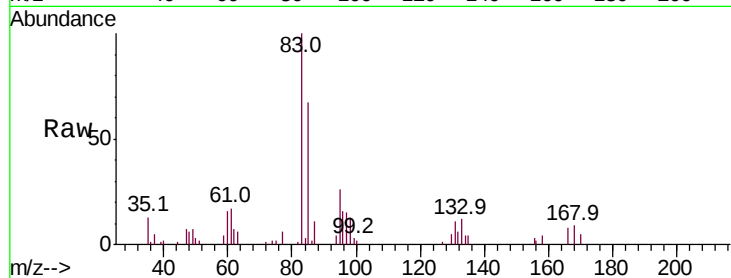
Tot Ion: 83 Resp: 24397

Ion Ratio Lower Upper

83 100

131 17.2 8.0 24.0

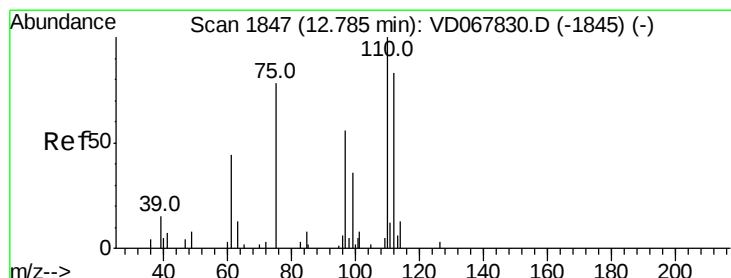
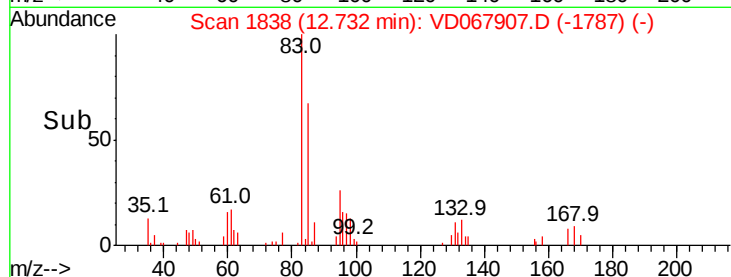
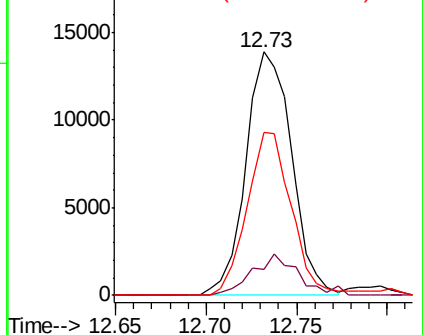
85 65.2 31.7 95.1



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: 33.955 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067907.D

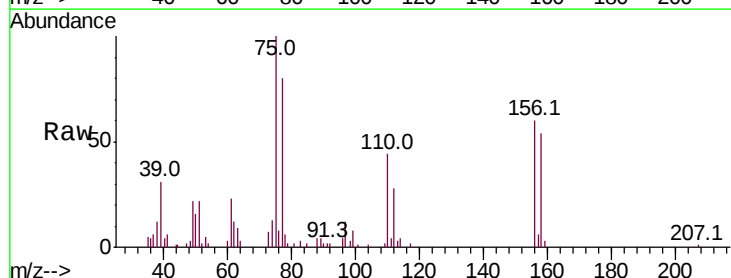
Acq: 08 Dec 2020 11:26

Tgt Ion: 75 Resp: 35232

Ion Ratio Lower Upper

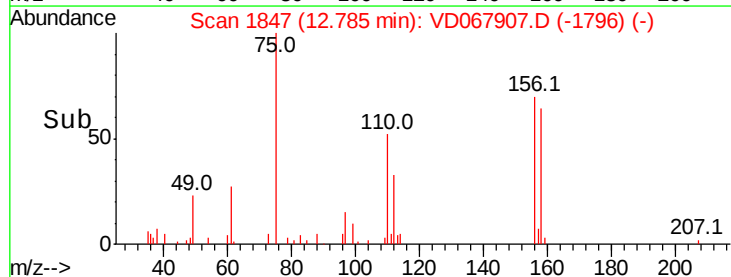
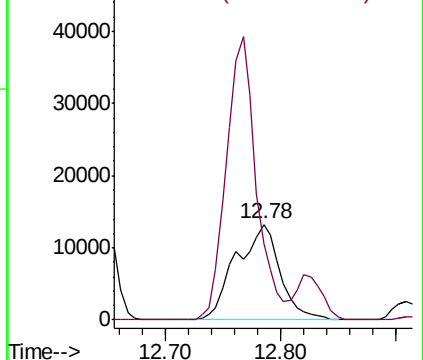
75 100

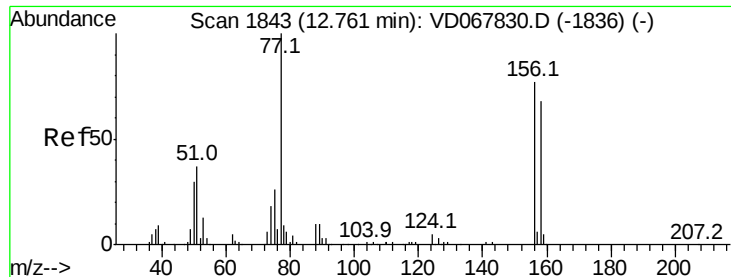
77 200.8 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

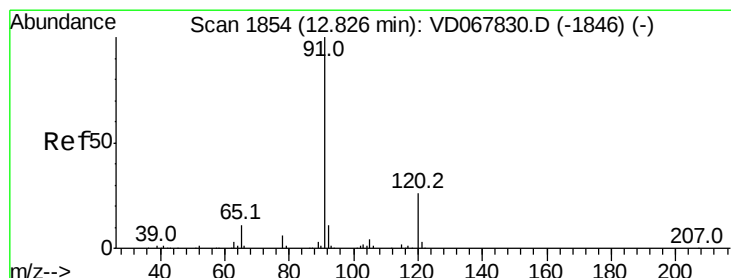
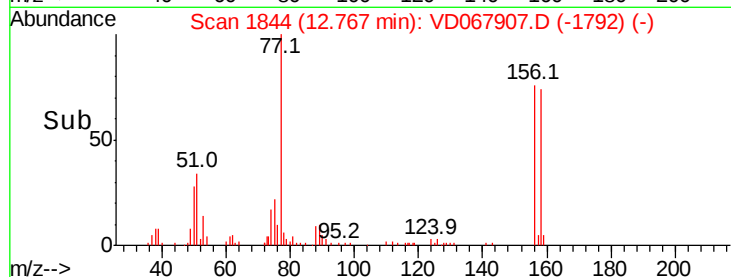
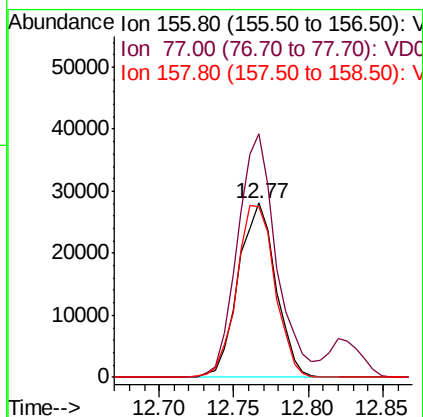
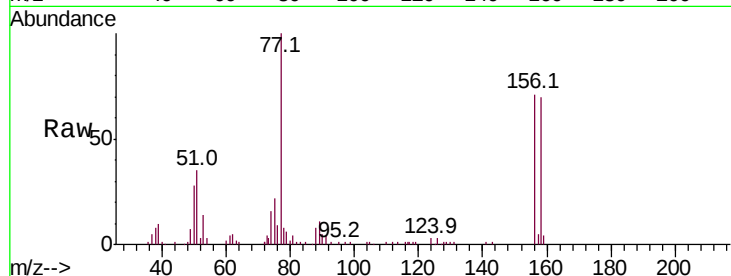




#77
Bromobenzene
Concen: 20.142 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

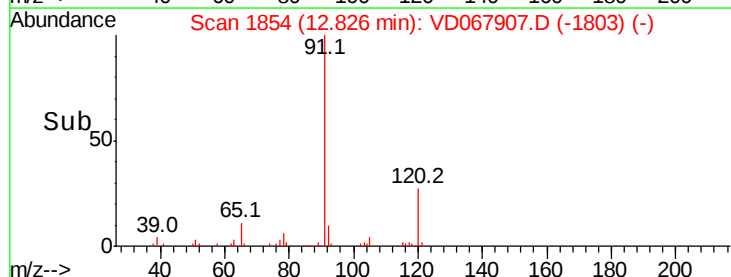
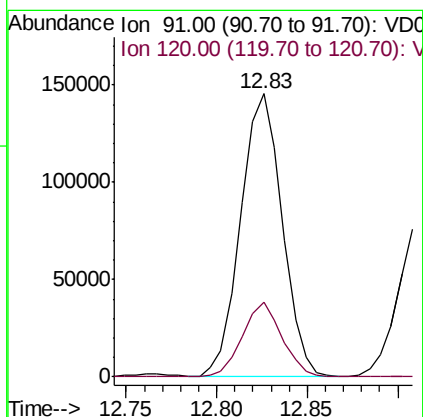
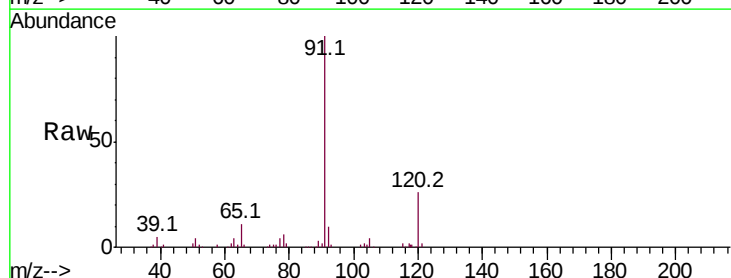
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

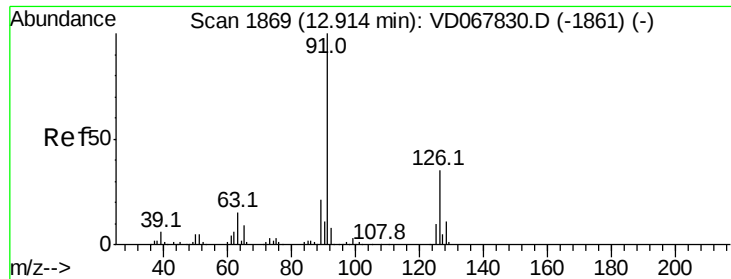
Tot Ion:156 Resp: 49065
Ion Ratio Lower Upper
156 100
77 144.2 71.5 214.5
158 100.2 47.1 141.4



#78
n-propylbenzene
Concen: 21.282 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 91 Resp: 231121
Ion Ratio Lower Upper
91 100
120 25.2 12.7 38.0





#79

2-Chlorotoluene

Concen: 20.584 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

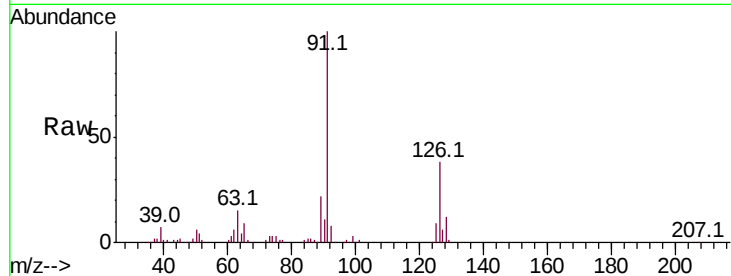
VD1208SBSD01

Tot Ion: 91 Resp: 131507

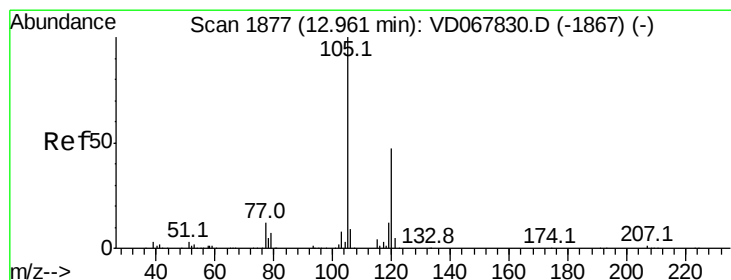
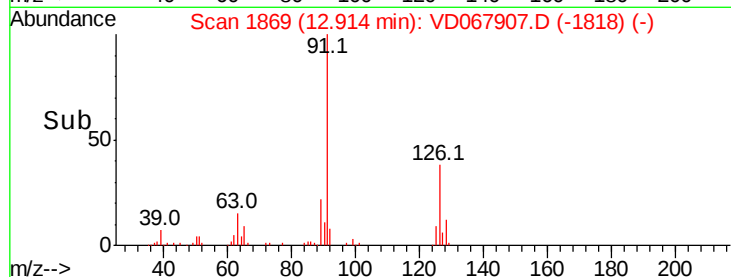
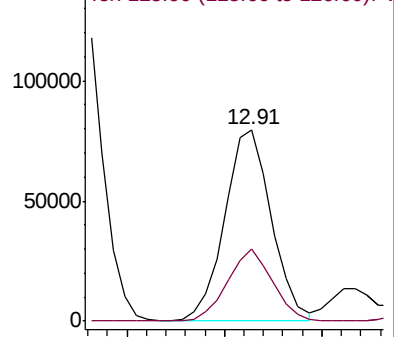
Ion Ratio Lower Upper

91 100

126 36.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.145 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067907.D

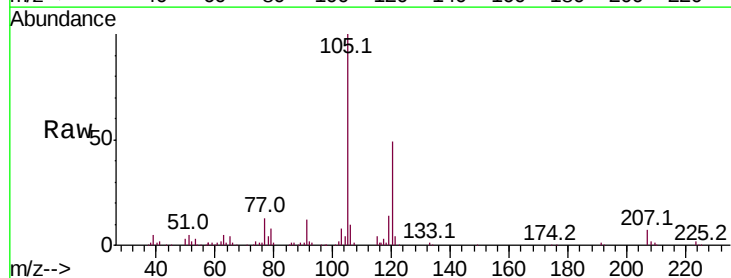
Acq: 08 Dec 2020 11:26

Tgt Ion:105 Resp: 179386

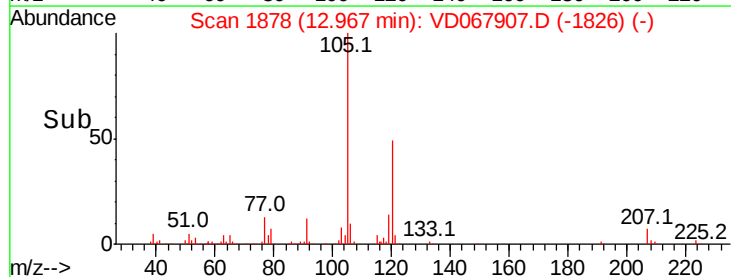
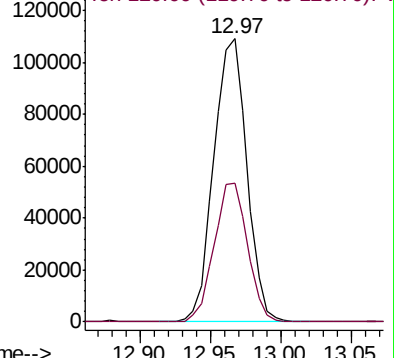
Ion Ratio Lower Upper

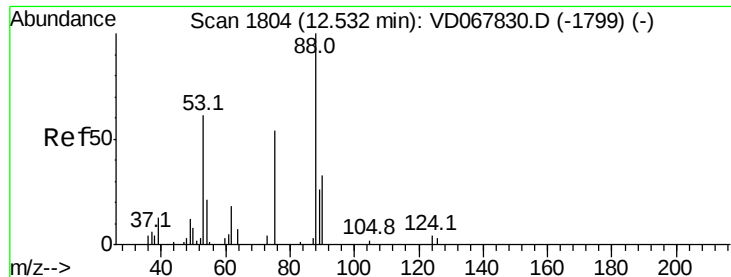
105 100

120 49.7 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.233 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBSD01

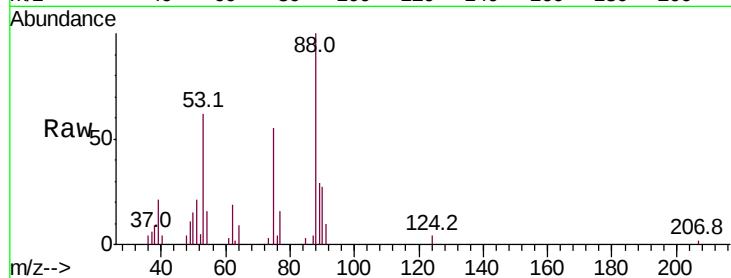
Tot Ion: 75 Resp: 7475

Ion Ratio Lower Upper

75 100

53 119.7 84.6 127.0

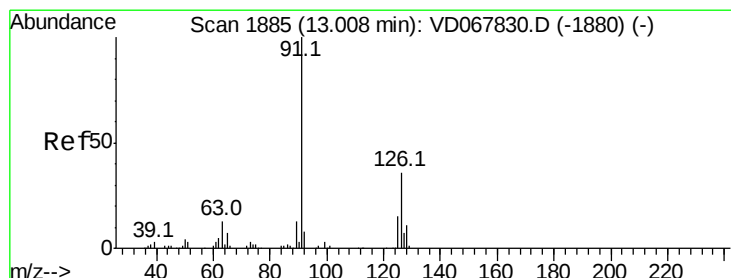
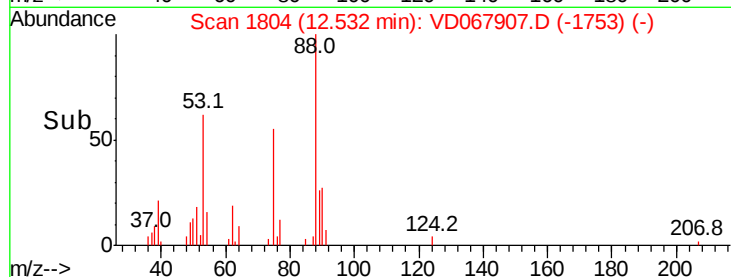
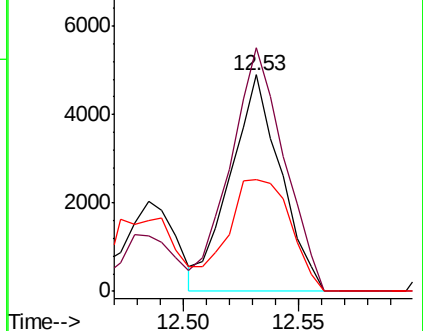
89 62.6 41.0 61.6#



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: 20.301 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067907.D

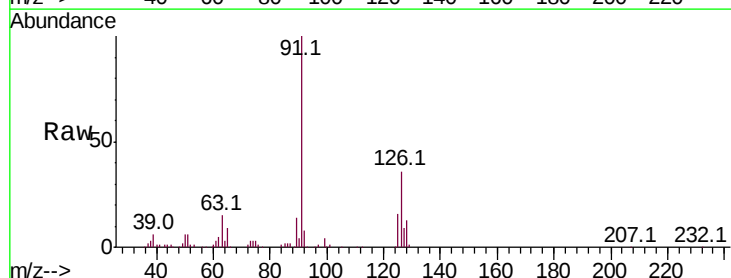
Acq: 08 Dec 2020 11:26

Tgt Ion: 91 Resp: 138359

Ion Ratio Lower Upper

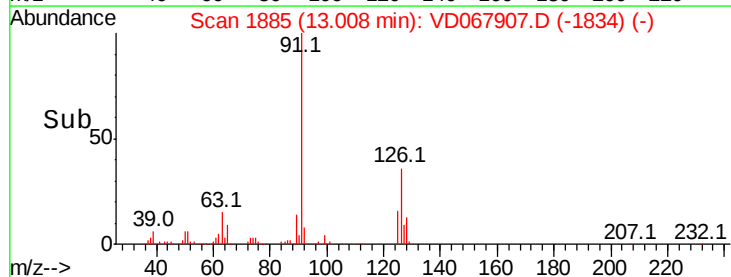
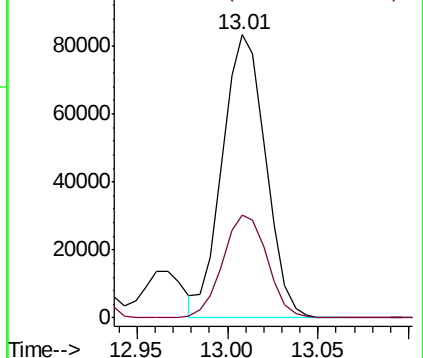
91 100

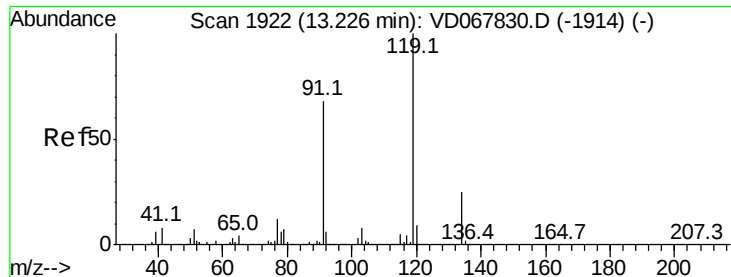
126 37.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

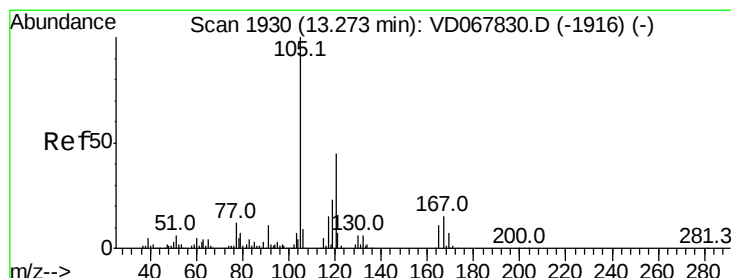
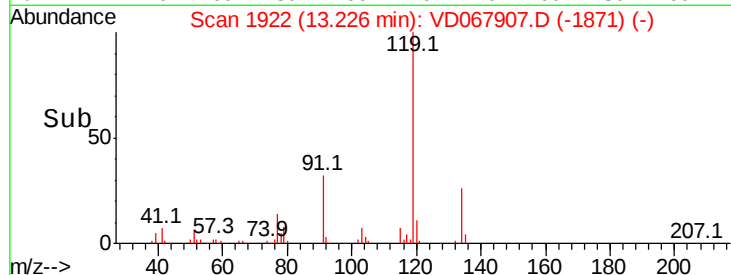
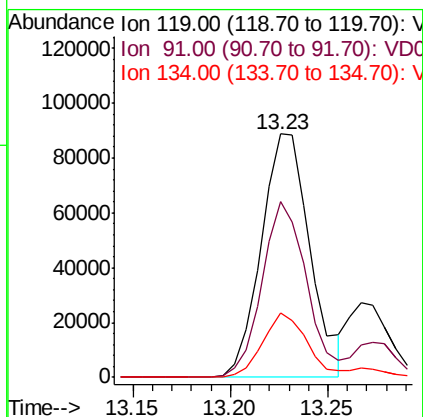
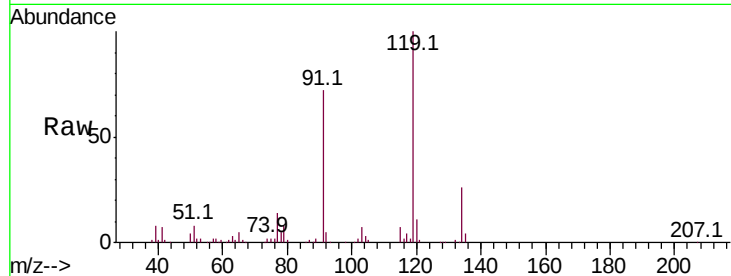




#83
tert-Butylbenzene
Concen: 21.354 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

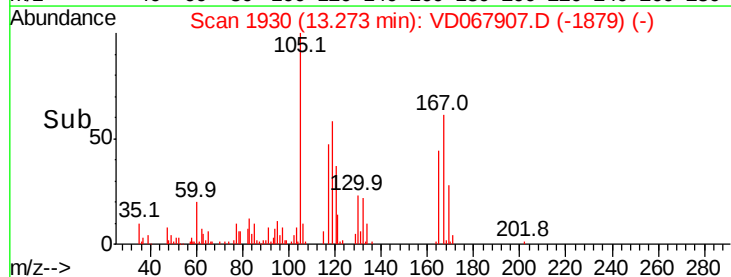
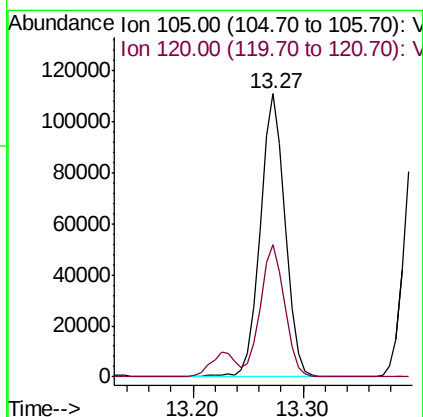
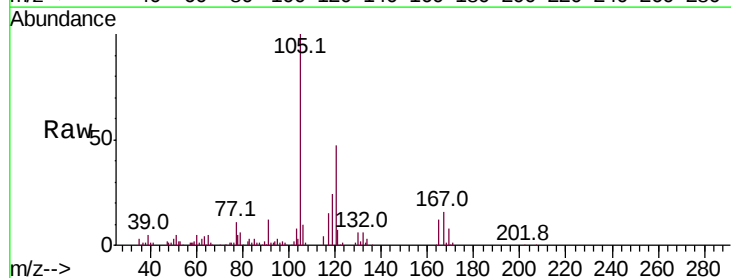
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

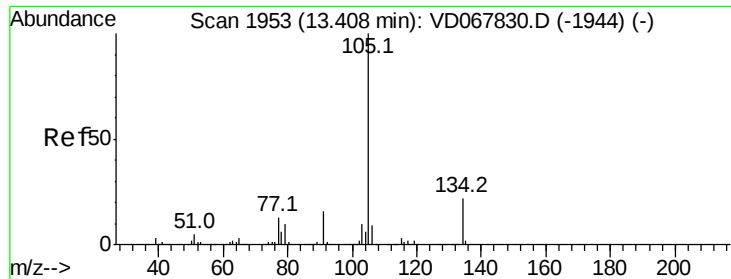
Tot Ion:119 Resp: 154155
Ion Ratio Lower Upper
119 100
91 66.0 33.1 99.3
134 23.6 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 20.705 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion:105 Resp: 174668
Ion Ratio Lower Upper
105 100
120 45.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 20.381 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

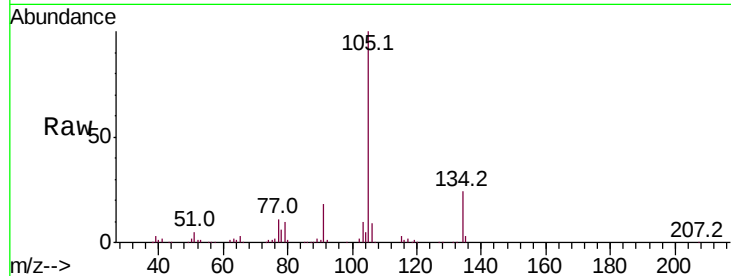
VD1208SBSD01

Tot Ion:105 Resp: 196377

Ion Ratio Lower Upper

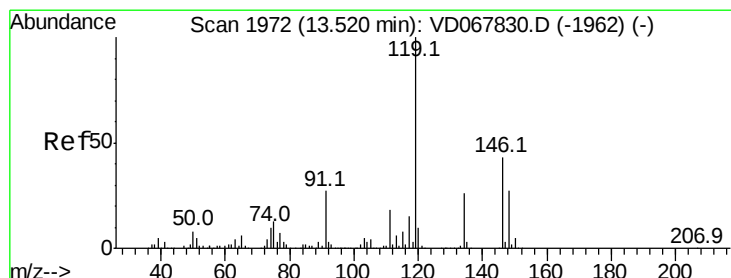
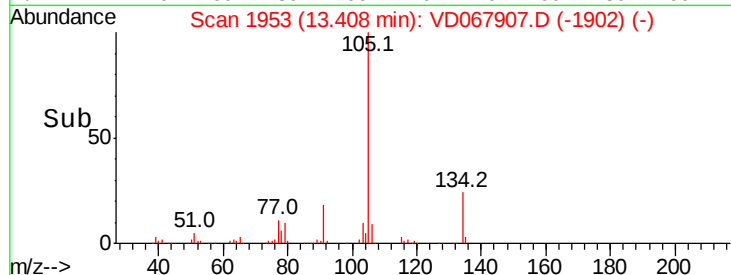
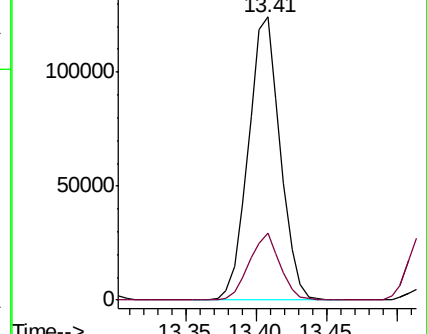
105 100

134 22.7 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.902 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

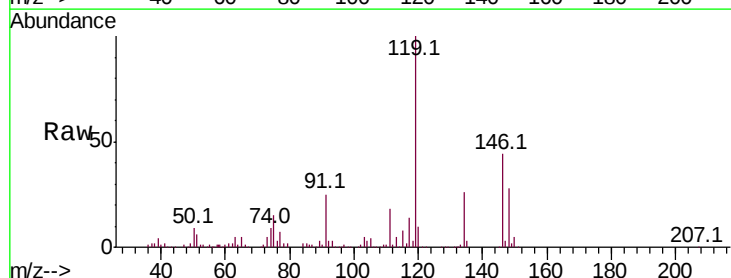
Tgt Ion:119 Resp: 197385

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

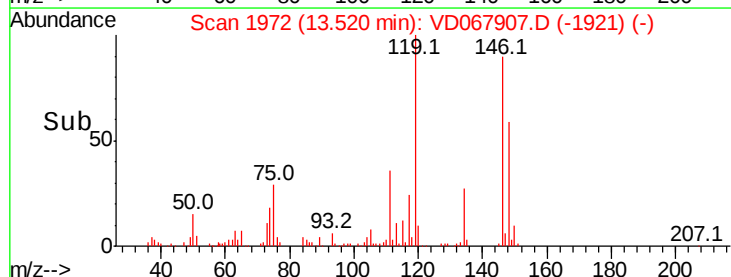
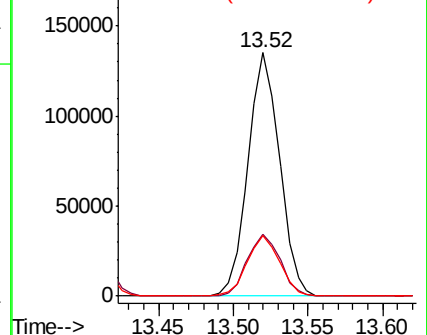
91 25.6 12.8 38.3

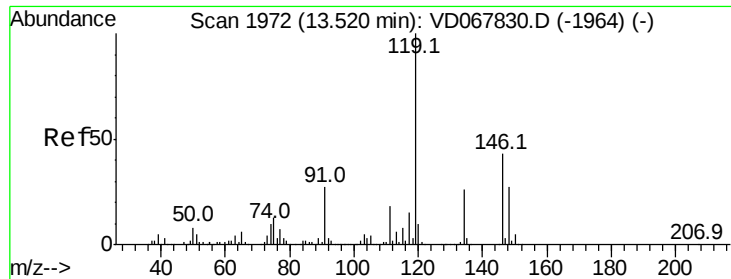


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

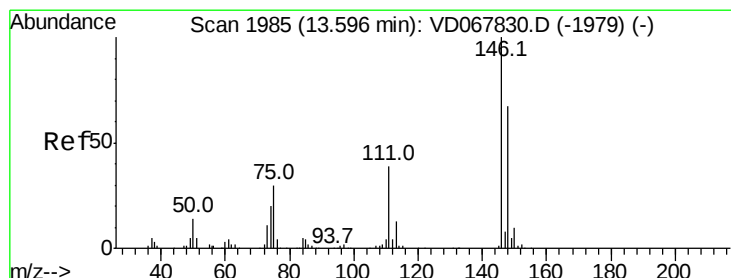
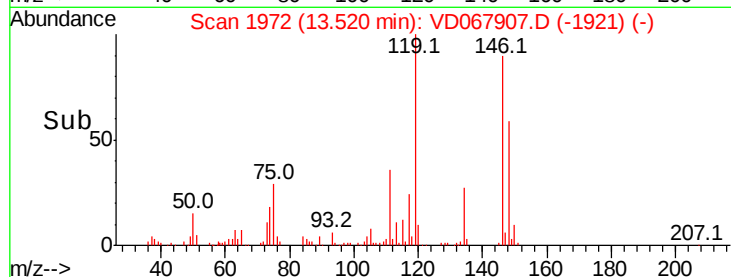
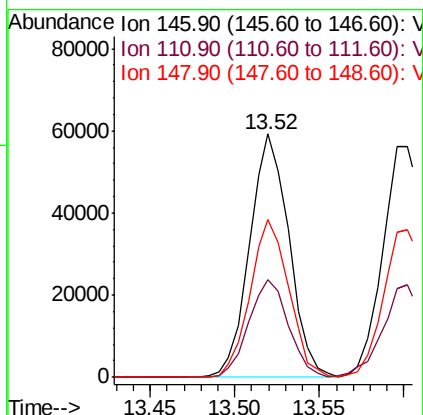
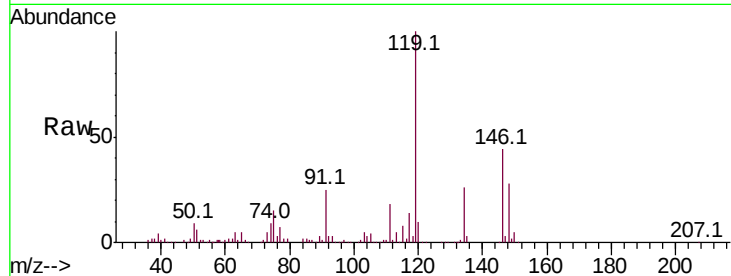




#87
 1,3-Dichlorobenzene
 Concen: 20.443 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

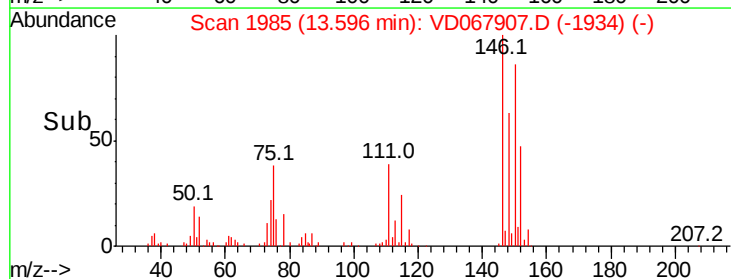
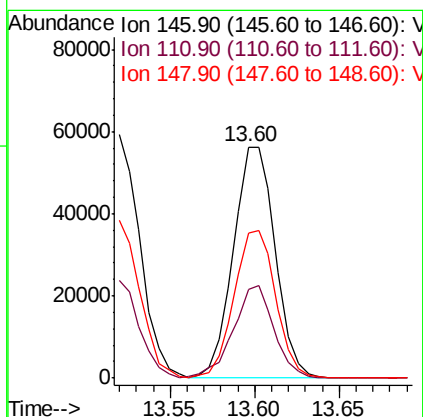
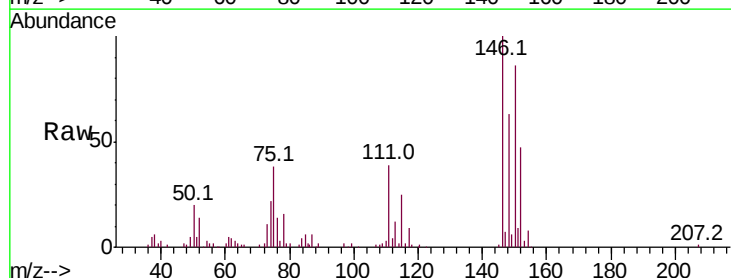
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBSD01

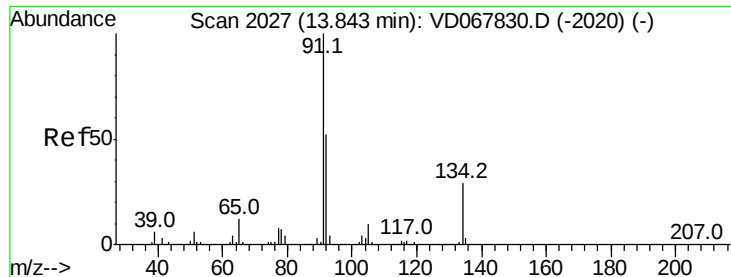
Tot Ion:146 Resp: 96060
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.8 62.2
 148 64.0 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 20.602 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion:146 Resp: 96849
 Ion Ratio Lower Upper
 146 100
 111 39.0 19.9 59.6
 148 63.6 32.4 97.2

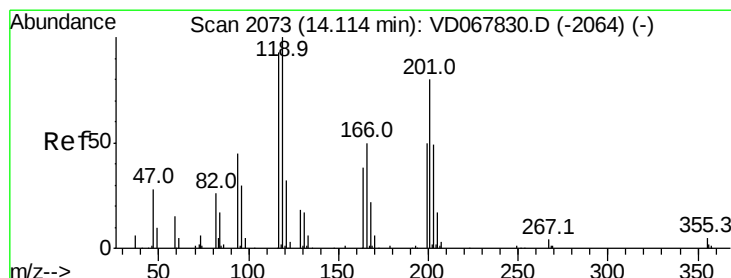
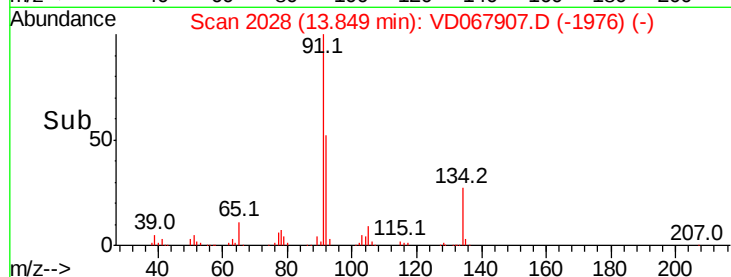
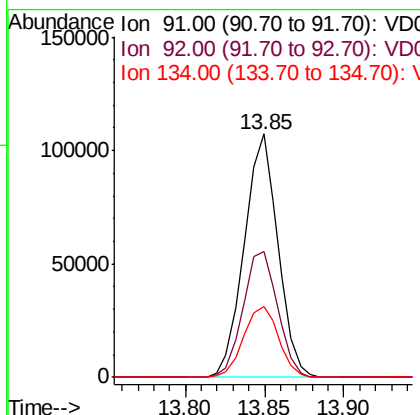
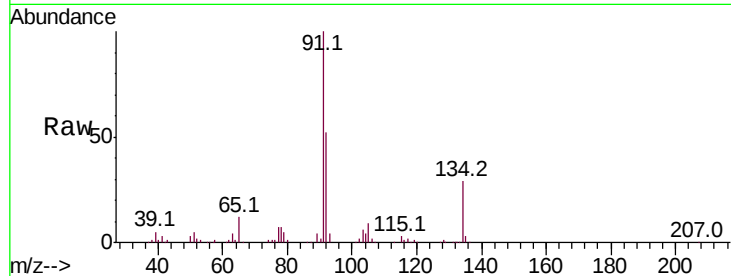




#89
n-Butylbenzene
Concen: 20.224 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

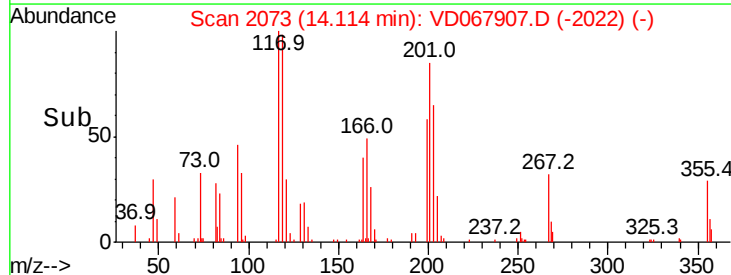
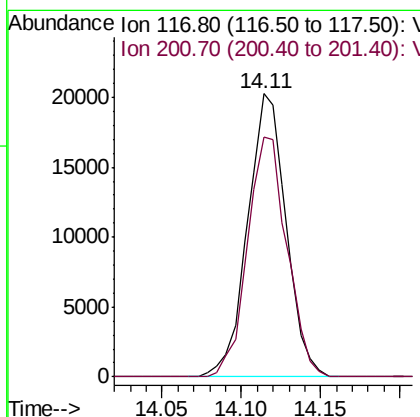
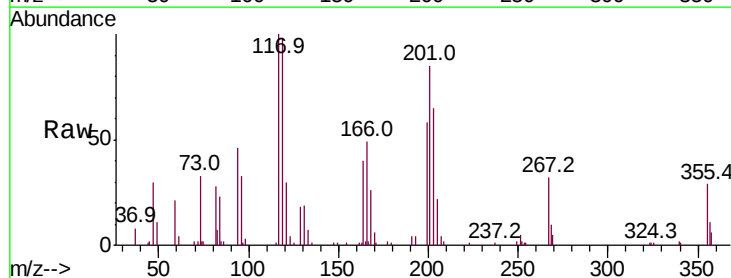
Instrument :
MSVOA_D
ClientSampleId :
VD1208SBS01

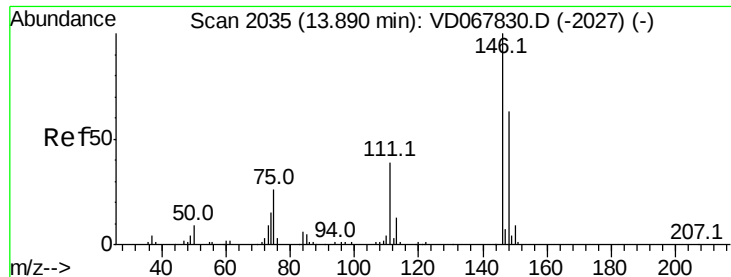
Tot Ion: 91 Resp: 158669
Ion Ratio Lower Upper
91 100
92 53.2 26.3 78.8
134 30.4 14.8 44.3



#90
Hexachloroethane
Concen: 19.614 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion: 117 Resp: 34196
Ion Ratio Lower Upper
117 100
201 86.7 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 20.449 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

Instrument :

MSVOA_D

ClientSampleId :

VD1208SBS01

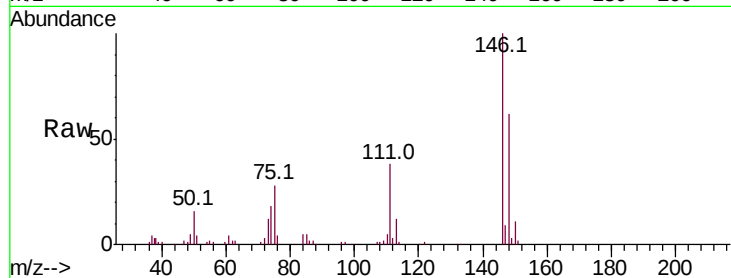
Tot Ion:146 Resp: 83338

Ion Ratio Lower Upper

146 100

111 41.6 20.4 61.2

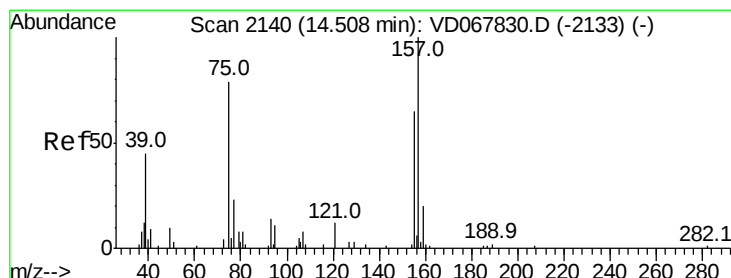
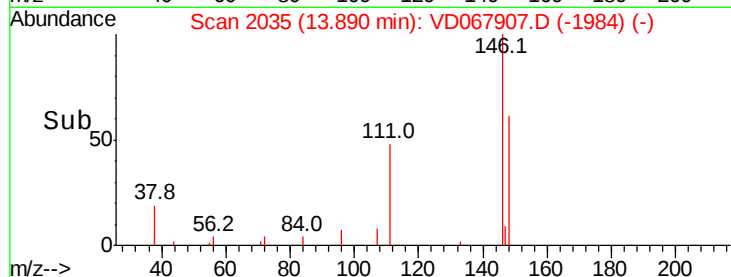
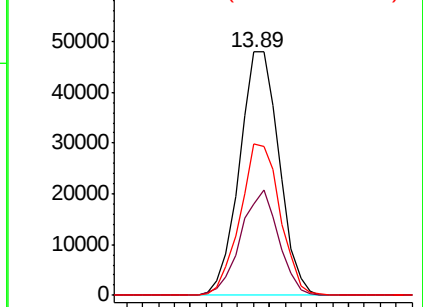
148 62.5 32.1 96.3



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: 19.431 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VD067907.D

Acq: 08 Dec 2020 11:26

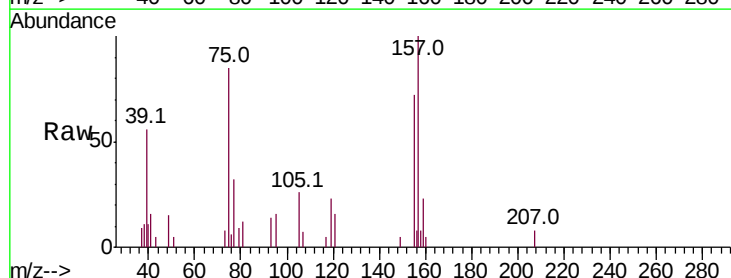
Tgt Ion: 75 Resp: 5246

Ion Ratio Lower Upper

75 100

155 81.7 44.1 132.4

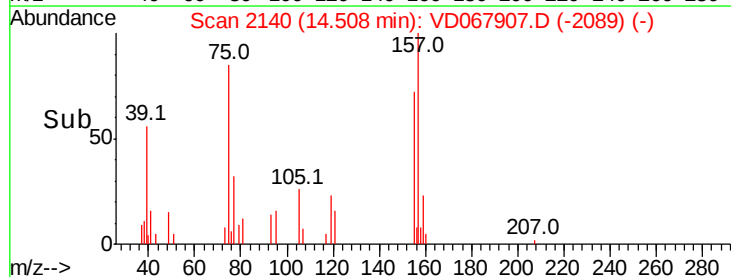
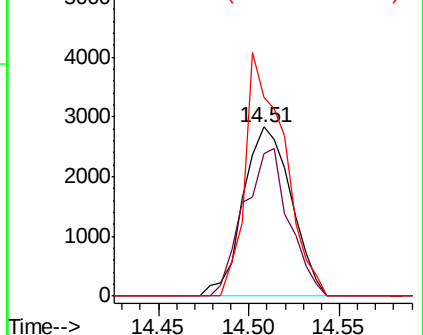
157 115.9 62.4 187.2

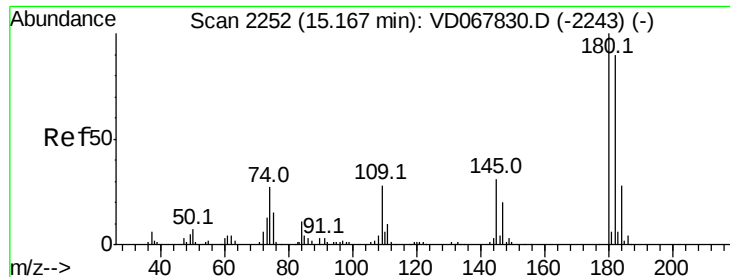


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

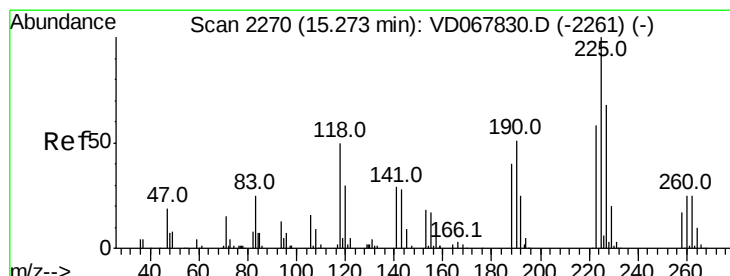
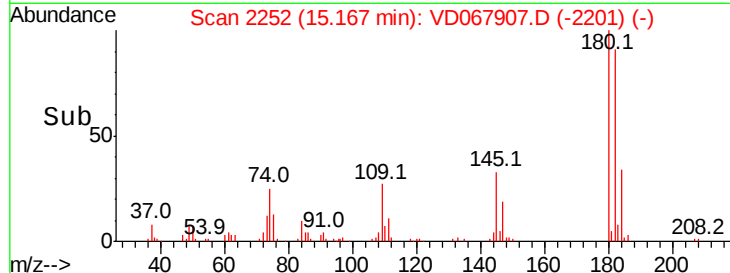
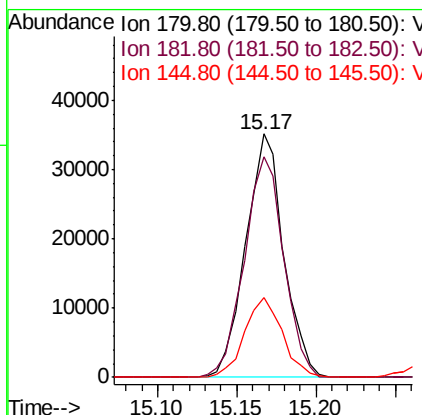
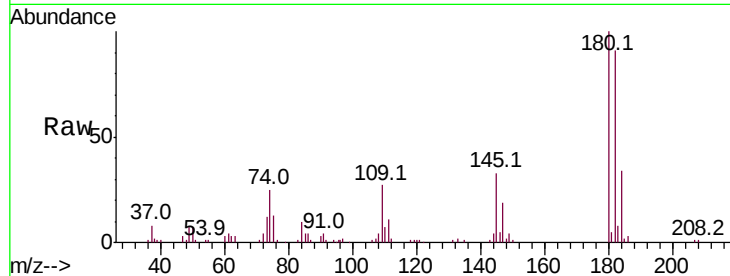




#93
 1,2,4-Trichlorobenzene
 Concen: 20.485 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

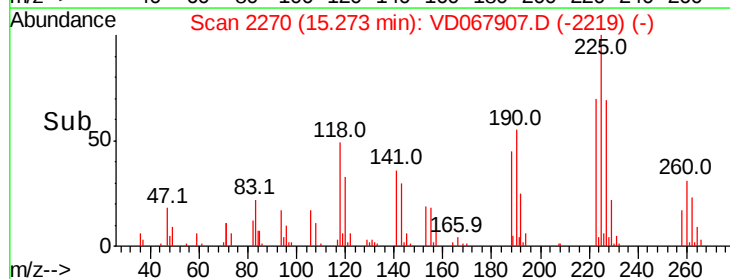
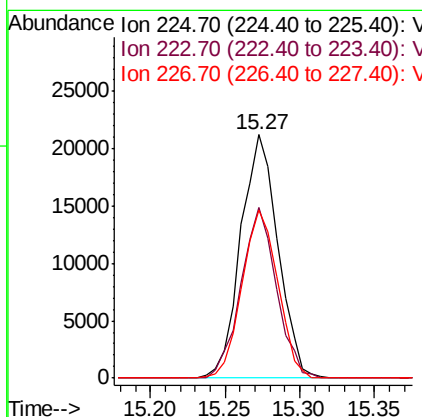
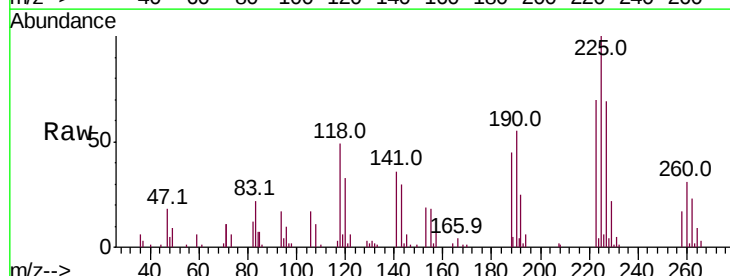
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1208SBS01

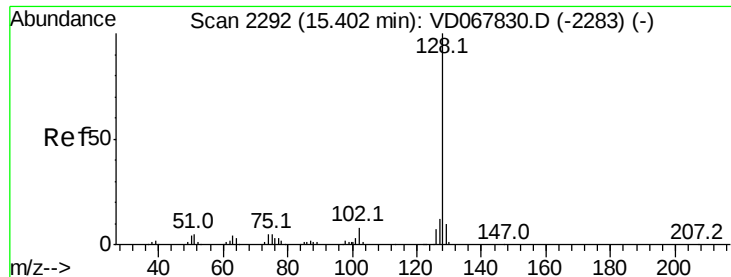
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	32.6	16.4	49.4



#94
 Hexachlorobutadiene
 Concen: 19.717 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067907.D
 Acq: 08 Dec 2020 11:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.6	31.1	93.3
227	66.3	33.1	99.3

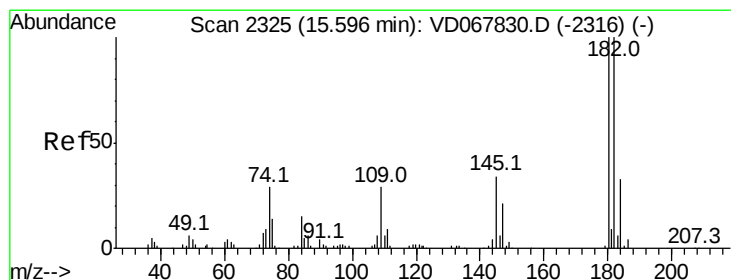
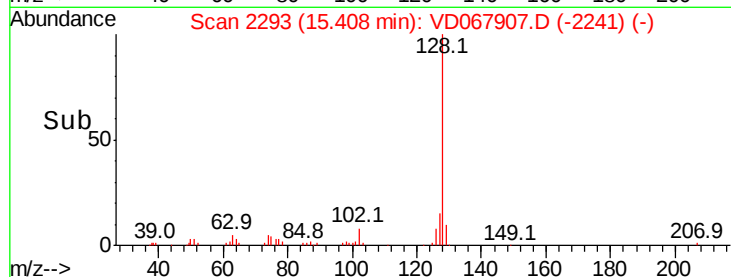
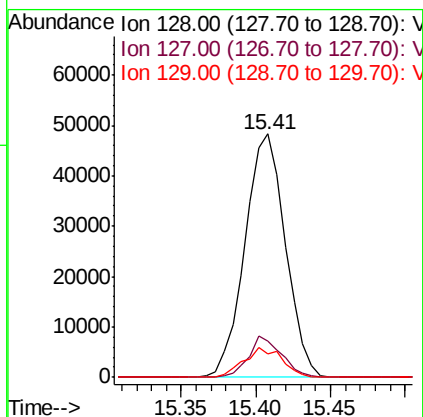
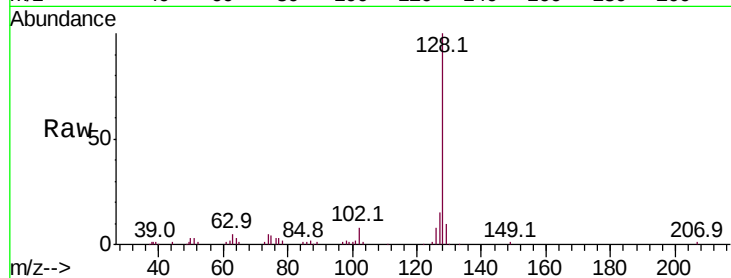




#95
Naphthalene
Concen: 19.453 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Instrument :
MSVOA_D
ClientSampleId :
VD1208SBSD01

Tot Ion:128 Resp: 90237
Ion Ratio Lower Upper
128 100
127 13.7 10.6 15.8
129 11.7 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 20.178 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067907.D
Acq: 08 Dec 2020 11:26

Tgt Ion:180 Resp: 49675
Ion Ratio Lower Upper
180 100
182 98.1 47.3 142.0
145 33.8 16.8 50.4

