

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066993.D
 Acq On : 01 Oct 2020 15:30
 Operator : VA/SY
 Sample : VD1001SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Quant Time: Oct 02 00:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	485719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	748592	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	700799	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	337655	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236380	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
35) Dibromofluoromethane	7.91	113	247509	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.34	98	931171	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.63	95	322351	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92710	20.816	ug/l	94
3) Chloromethane	2.21	50	81204	20.993	ug/l	95
4) Vinyl Chloride	2.35	62	79676	20.542	ug/l	94
5) Bromomethane	2.76	94	53699	18.774	ug/l	96
6) Chloroethane	2.92	64	48071	20.351	ug/l	95
7) Trichlorofluoromethane	3.27	101	167494	19.437	ug/l	95
8) Diethyl Ether	3.70	74	43184	20.209	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97883	20.097	ug/l	99
10) Methyl Iodide	4.30	142	83925	17.733	ug/l	97
11) Tert butyl alcohol	5.22	59	39669	119.272	ug/l #	89
12) 1,1-Dichloroethene	4.07	96	89040	19.446	ug/l	96
13) Acrolein	3.93	56	31614	100.917	ug/l	99
14) Allyl chloride	4.71	41	122966	20.673	ug/l	97
15) Acrylonitrile	5.43	53	78838	100.242	ug/l	97
16) Acetone	4.16	43	74172	103.858	ug/l	98
17) Carbon Disulfide	4.41	76	284980	20.281	ug/l	100
18) Methyl Acetate	4.71	43	36126	20.127	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	167440	20.032	ug/l	98
20) Methylene Chloride	4.96	84	136918	23.103	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	103757	19.912	ug/l	92
22) Diisopropyl ether	6.36	45	233359	21.489	ug/l	98
23) Vinyl Acetate	6.30	43	634559	103.121	ug/l	98
24) 1,1-Dichloroethane	6.26	63	167264	19.958	ug/l	99
25) 2-Butanone	7.21	43	99923	98.687	ug/l	95
26) 2,2-Dichloropropane	7.20	77	155954	19.223	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110192	19.800	ug/l	96
28) Bromochloromethane	7.54	49	62304	19.251	ug/l	98
29) Tetrahydrofuran	7.56	42	60271	103.525	ug/l	97
30) Chloroform	7.71	83	184205	20.262	ug/l	99
31) Cyclohexane	7.98	56	140352	19.976	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	168424	19.990	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144394	20.694	ug/l	99
37) Ethyl Acetate	7.29	43	49319	20.403	ug/l	97
38) Carbon Tetrachloride	8.10	117	152558	20.207	ug/l	99

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Quant Time: Oct 02 00:40:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	147461	19.989	ug/l	97
40) Benzene	8.35	78	402935	20.790	ug/l	100
41) Methacrylonitrile	7.56	41	65041	49.805	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	110881	20.474	ug/l	100
43) Isopropyl Acetate	8.45	43	94372	21.192	ug/l	98
44) Trichloroethene	9.11	130	116554	20.139	ug/l	99
45) 1,2-Dichloropropane	9.38	63	98301	21.587	ug/l	95
46) Dibromomethane	9.47	93	54185	20.703	ug/l	99
47) Bromodichloromethane	9.66	83	137870	20.265	ug/l	96
48) Methyl methacrylate	9.46	41	41701	18.279	ug/l #	76
49) 1,4-Dioxane	9.46	88	11499	420.959	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	234186	105.580	ug/l	98
52) Toluene	10.40	92	266918	21.380	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	125702	20.673	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	151308	20.378	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	74773	20.549	ug/l	97
56) Ethyl methacrylate	10.66	69	79031	21.036	ug/l	96
57) 1,3-Dichloropropane	10.94	76	125040	21.190	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	222365	106.343	ug/l	99
59) 2-Hexanone	10.98	43	155118	104.778	ug/l	99
60) Dibromochloromethane	11.14	129	100576	20.738	ug/l	96
61) 1,2-Dibromoethane	11.24	107	73036	20.892	ug/l	97
64) Tetrachloroethene	10.87	164	101852	19.991	ug/l	91
65) Chlorobenzene	11.67	112	281065	20.165	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	105851	19.965	ug/l	99
67) Ethyl Benzene	11.74	91	487610	20.418	ug/l	96
68) m/p-Xylenes	11.86	106	384500	41.313	ug/l	99
69) o-Xylene	12.18	106	170337	20.467	ug/l	96
70) Styrene	12.20	104	299969	20.989	ug/l	99
71) Bromoform	12.36	173	55604	20.204	ug/l	97
73) Isopropylbenzene	12.48	105	463205	20.203	ug/l	100
74) N-amyl acetate	12.29	43	82589	20.038	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	77530	20.070	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	99242	33.743	ug/l #	100
77) Bromobenzene	12.76	156	112736	20.364	ug/l	99
78) n-propylbenzene	12.82	91	557522	20.576	ug/l	99
79) 2-Chlorotoluene	12.91	91	316410	20.410	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	399867	20.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	24933	21.135	ug/l	93
82) 4-Chlorotoluene	13.01	91	339106	20.559	ug/l	100
83) tert-Butylbenzene	13.23	119	336412	20.623	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	402190	20.805	ug/l	98
85) sec-Butylbenzene	13.41	105	468688	20.403	ug/l	99
86) p-Isopropyltoluene	13.52	119	439224	20.624	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	225786	20.938	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	216109	20.043	ug/l	98
89) n-Butylbenzene	13.85	91	391247	20.101	ug/l	98
90) Hexachloroethane	14.12	117	74002	19.837	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	190608	20.240	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12619	20.265	ug/l	94

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

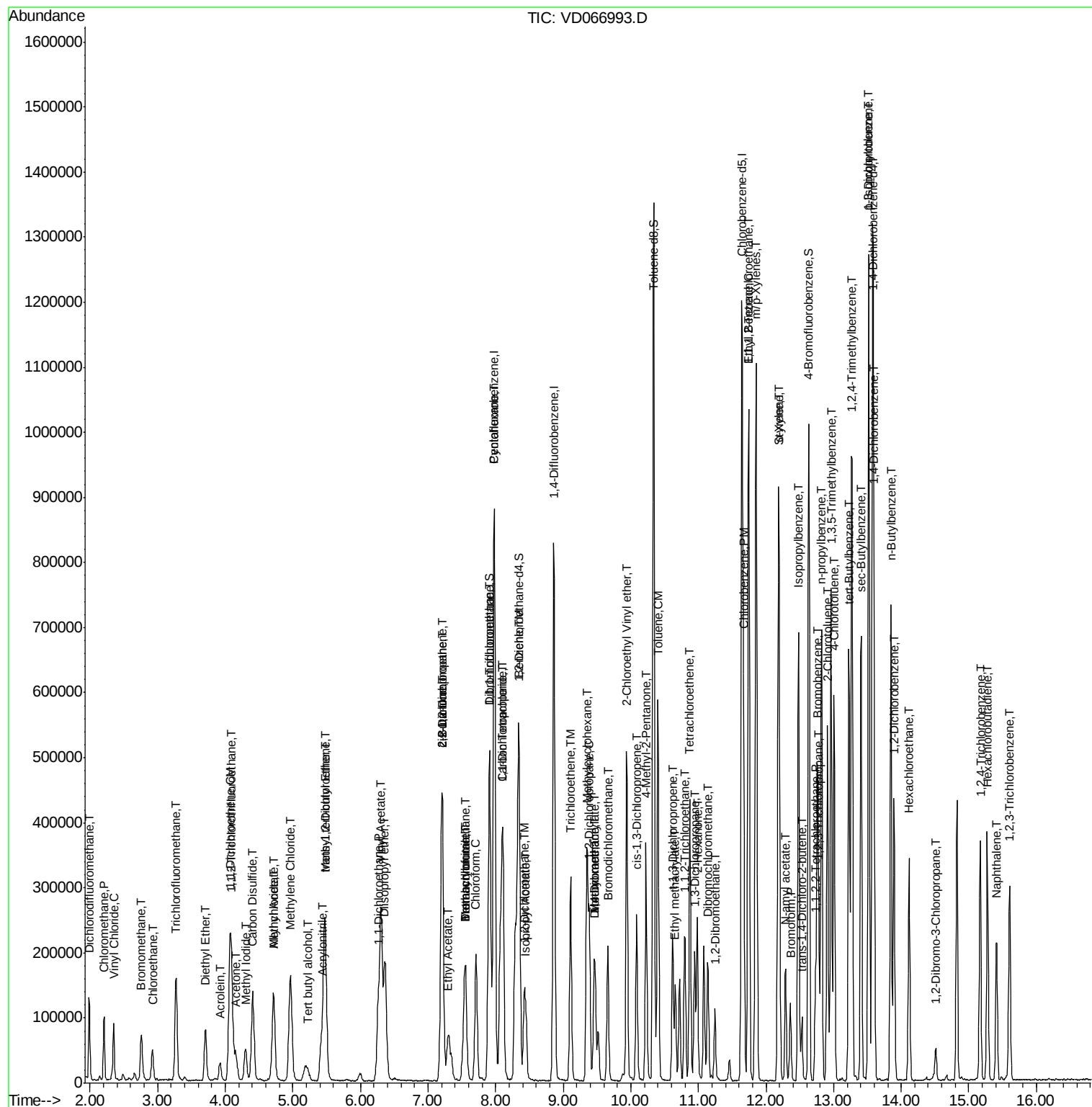
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	121731	19.984	ug/l	98
94) Hexachlorobutadiene	15.27	225	72022	19.252	ug/l	97
95) Naphthalene	15.41	128	197722	19.460	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	106872	20.210	ug/l	99

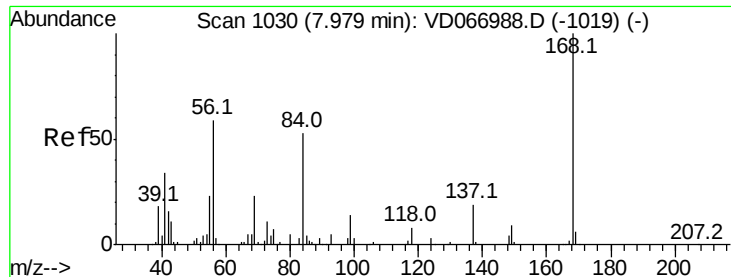
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066993.D
 Acq On : 01 Oct 2020 15:30
 Operator : VA/SY
 Sample : VD1001SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

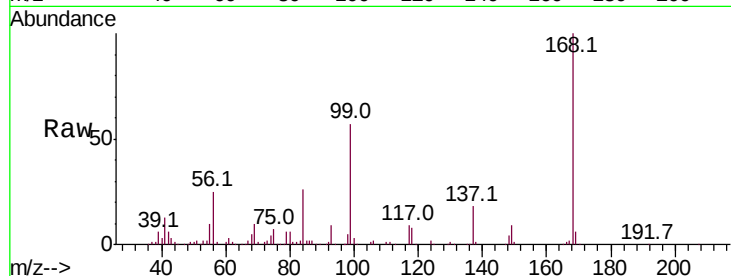
VD1001SBS01

Tot Ion:168 Resp: 485719

Ion Ratio Lower Upper

168 100

99 56.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

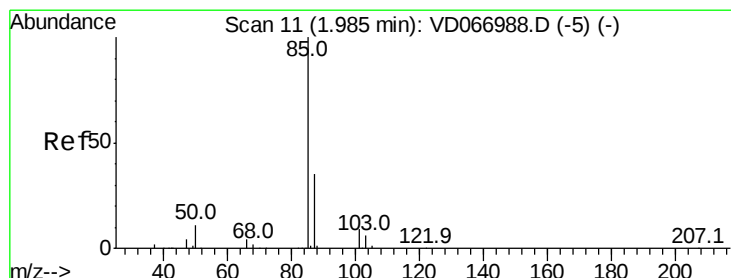
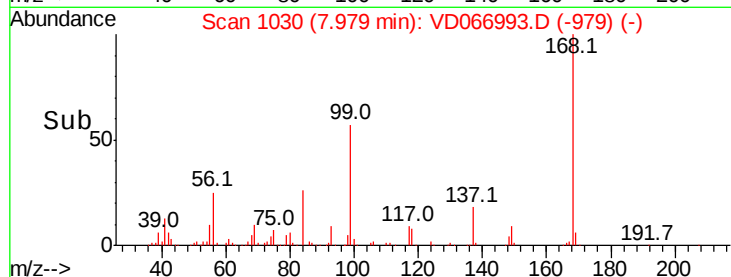
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.816 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066993.D

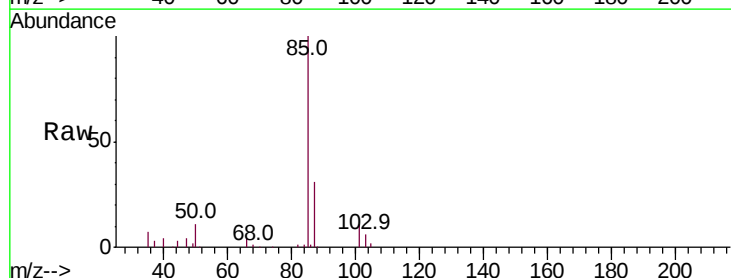
Acq: 01 Oct 2020 15:30

Tgt Ion: 85 Resp: 92710

Ion Ratio Lower Upper

85 100

87 31.2 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

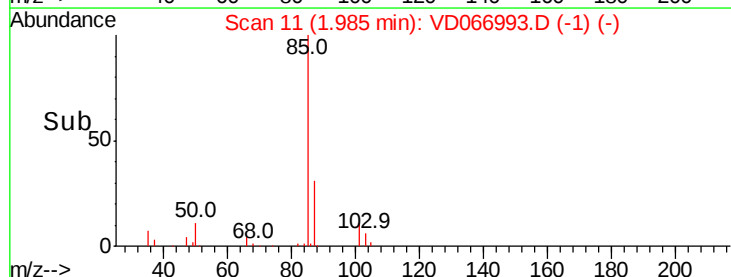
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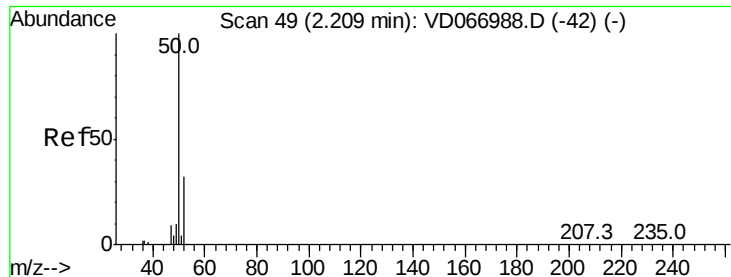
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.993 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

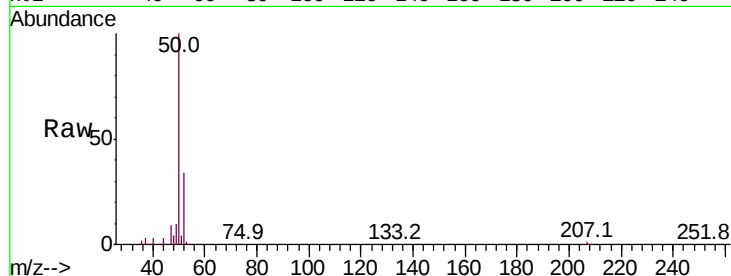
VD1001SBS01

Tot Ion: 50 Resp: 81204

Ion Ratio Lower Upper

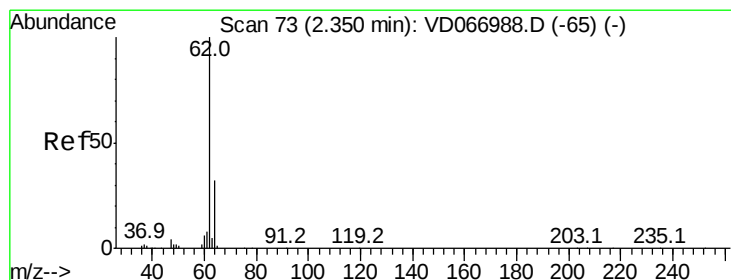
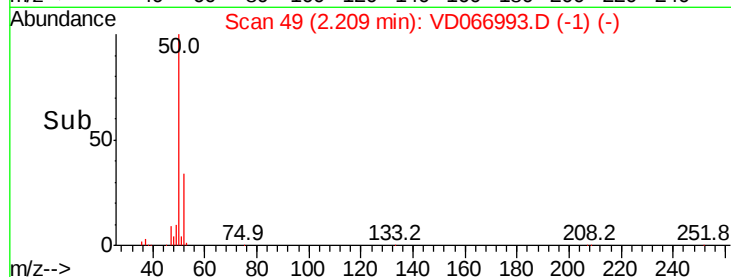
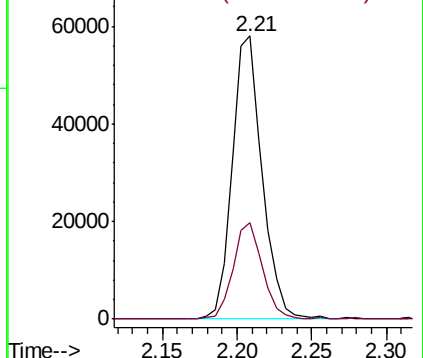
50 100

52 34.2 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.542 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066993.D

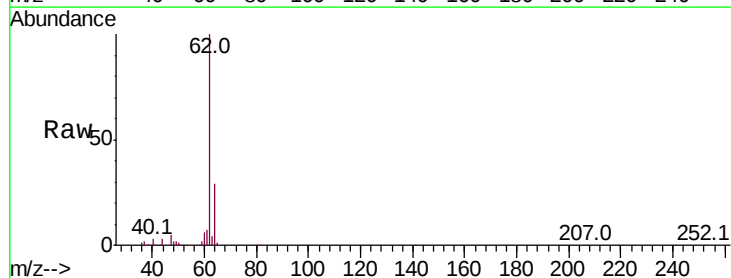
Acq: 01 Oct 2020 15:30

Tgt Ion: 62 Resp: 79676

Ion Ratio Lower Upper

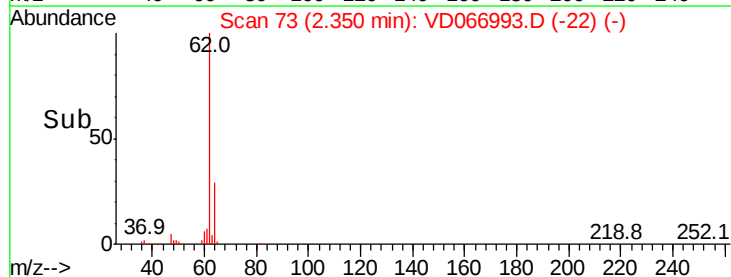
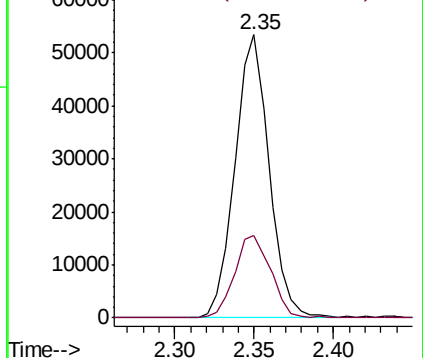
62 100

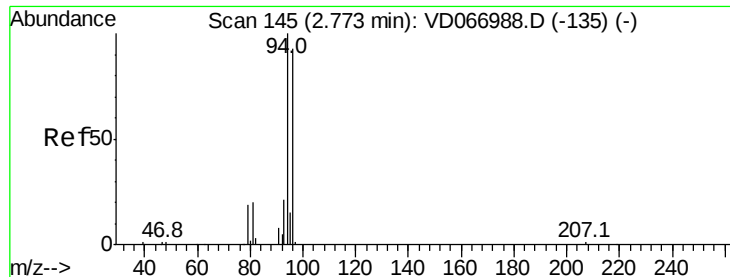
64 29.1 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.774 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

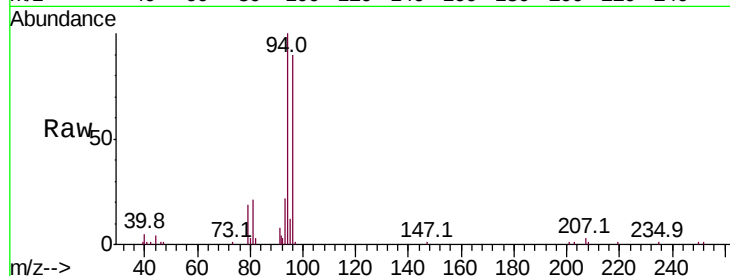
VD1001SBS01

Tot Ion: 94 Resp: 53699

Ion Ratio Lower Upper

94 100

96 89.6 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

25000

20000

15000

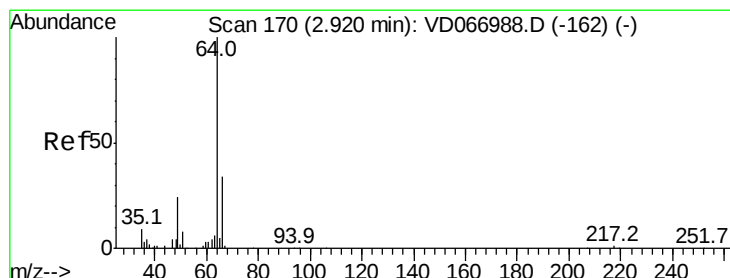
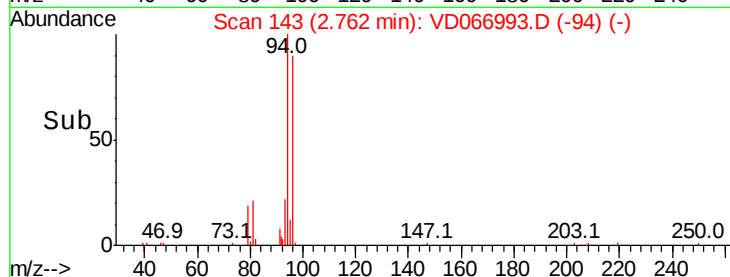
10000

5000

0

2.70 2.80

Time-->



#6

Chloroethane

Concen: 20.351 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066993.D

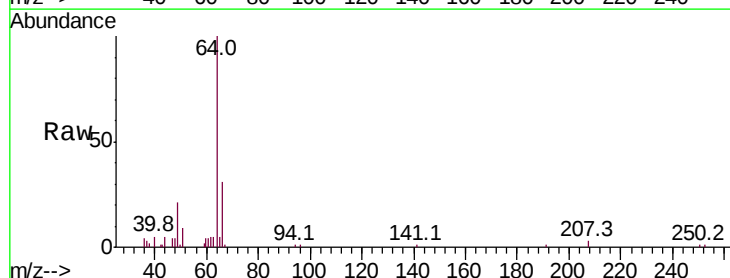
Acq: 01 Oct 2020 15:30

Tgt Ion: 64 Resp: 48071

Ion Ratio Lower Upper

64 100

66 31.0 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

25000

20000

15000

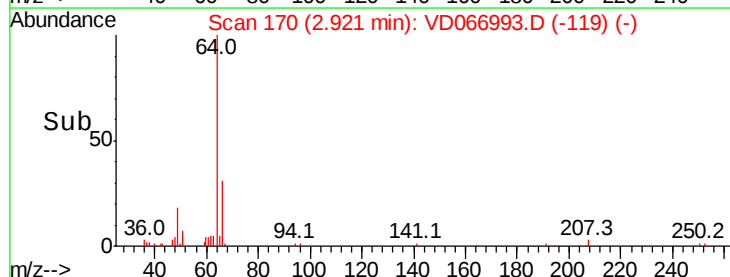
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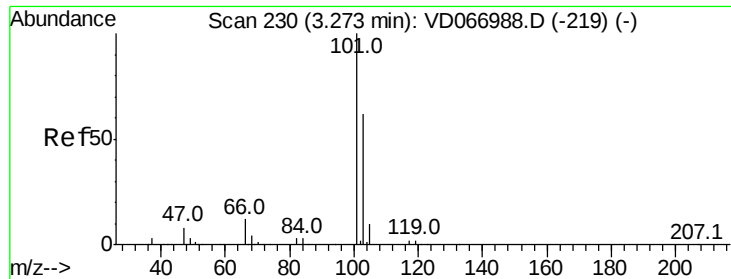
5000

0

2.80 2.90 3.00

Time-->



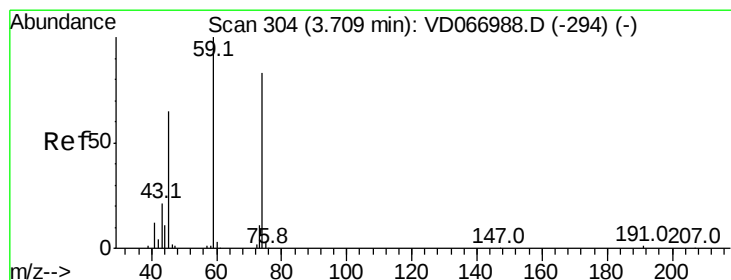
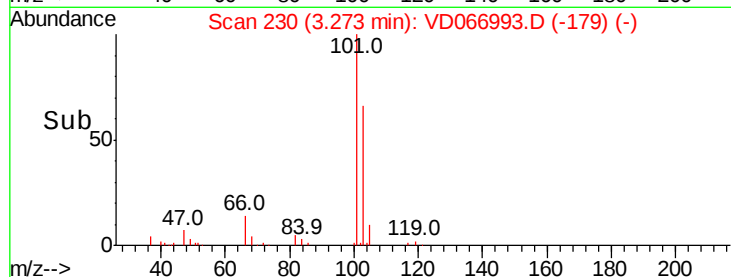
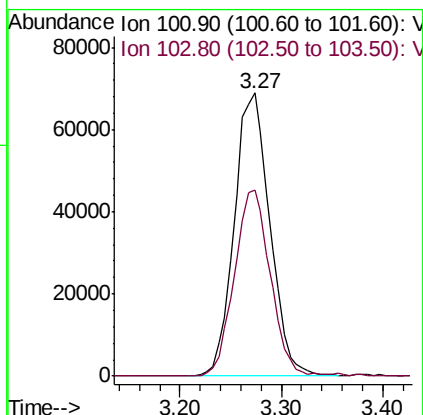
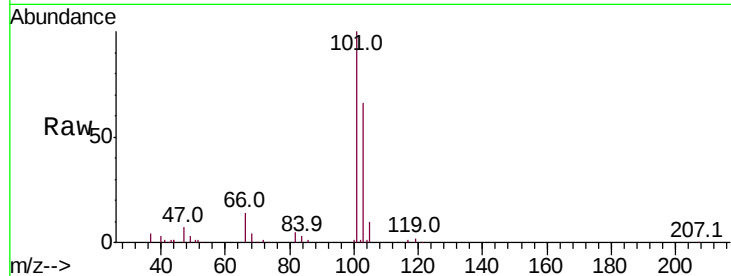


#7

Trichlorofluoromethane
 Concen: 19.437 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

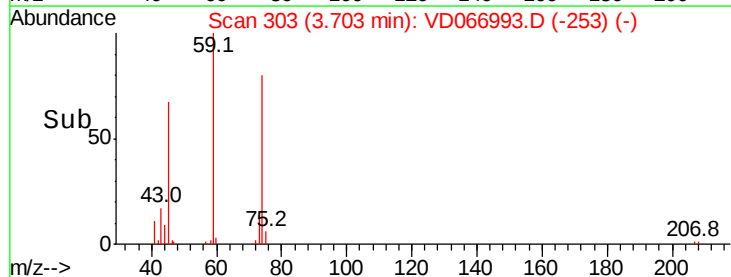
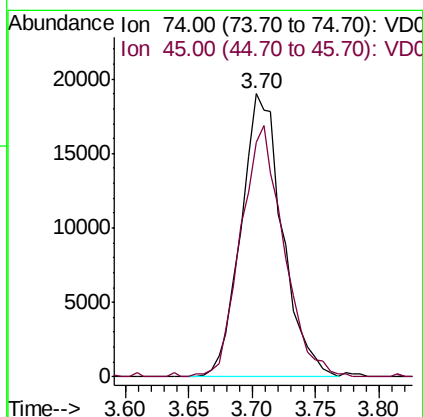
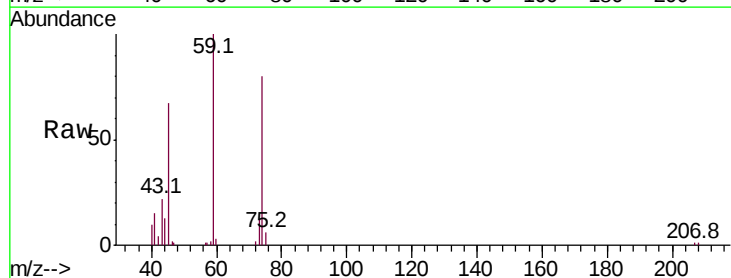
Tot Ion:101 Resp: 167494
 Ion Ratio Lower Upper
 101 100
 103 66.0 49.8 74.8

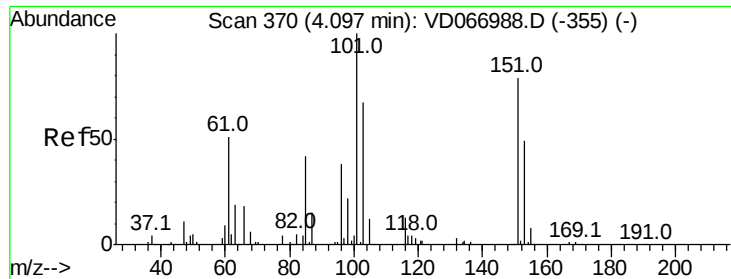


#8

Diethyl Ether
 Concen: 20.209 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 74 Resp: 43184
 Ion Ratio Lower Upper
 74 100
 45 92.0 43.1 129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.097 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

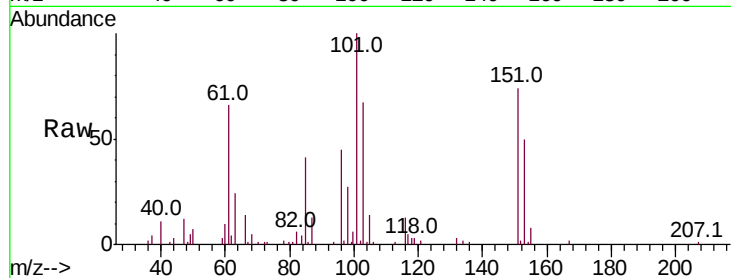
Tot Ion:101 Resp: 97883

Ion Ratio Lower Upper

101 100

85 41.4 33.8 50.8

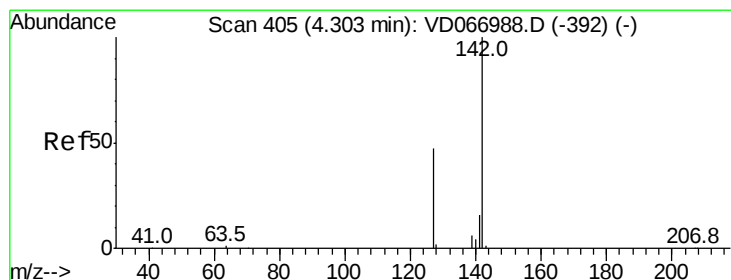
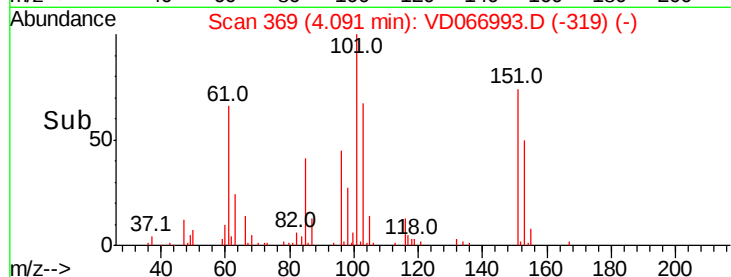
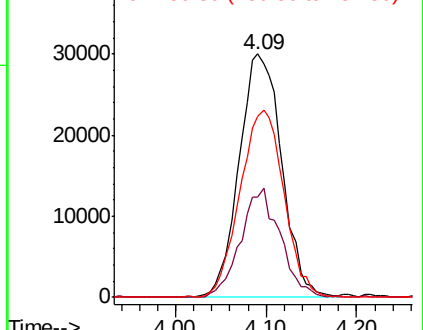
151 79.3 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.733 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

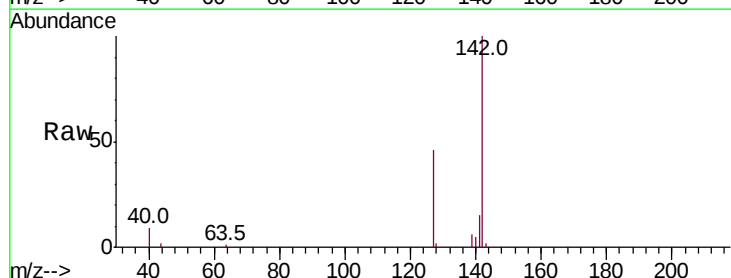
Tgt Ion:142 Resp: 83925

Ion Ratio Lower Upper

142 100

127 43.3 36.3 54.5

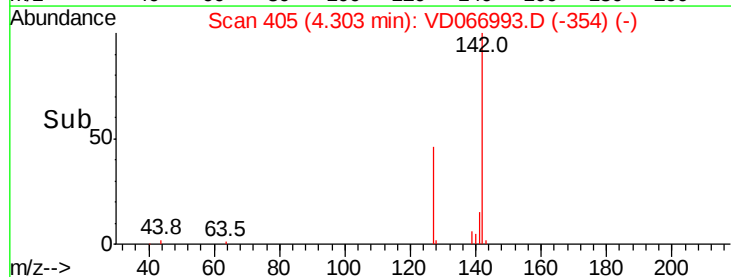
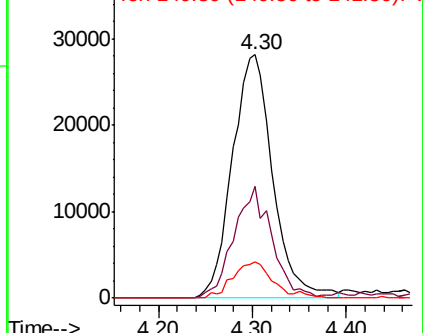
141 14.2 12.0 18.0

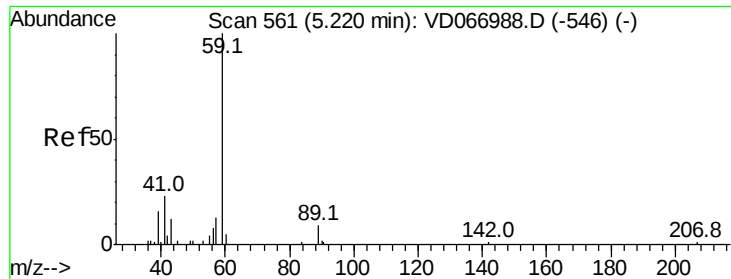


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



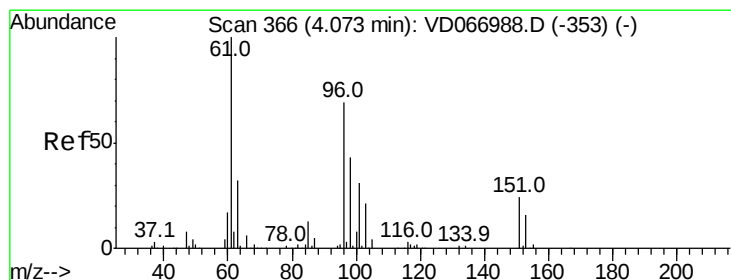
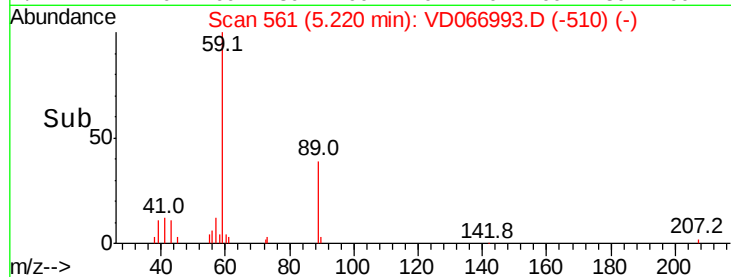
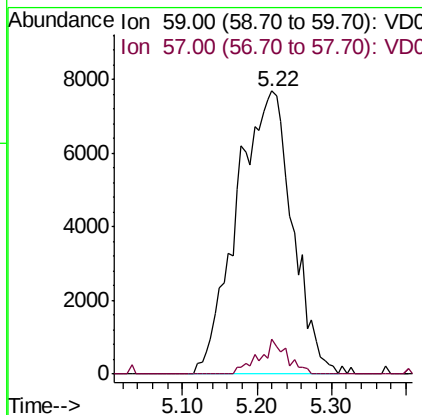
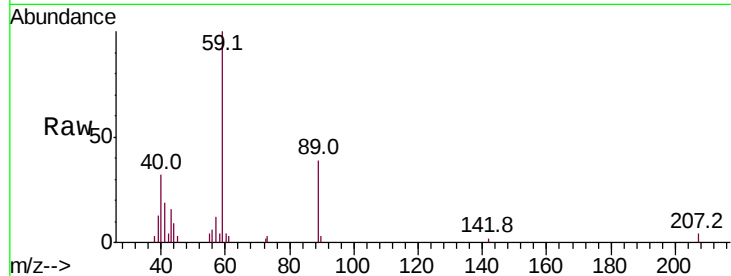


#11

Tert butyl alcohol
 Concen: 119.272 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

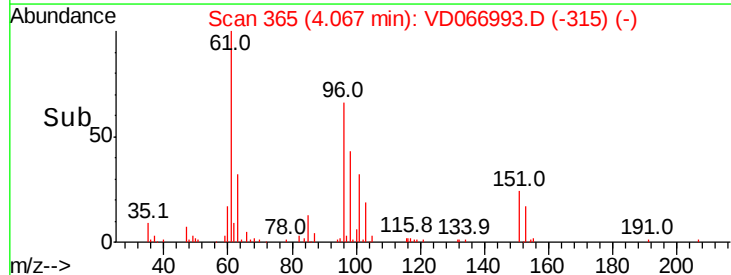
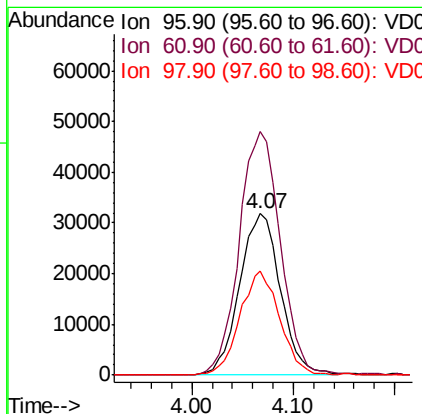
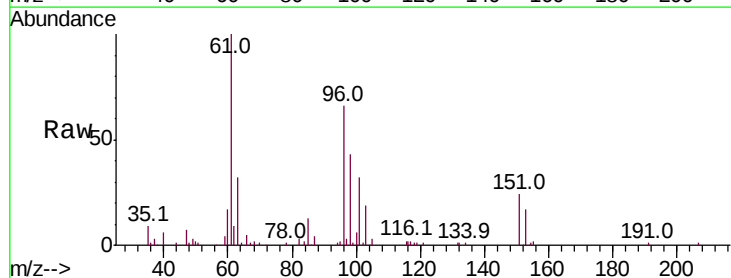
Tot Ion: 59 Resp: 39669
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.2 12.4#

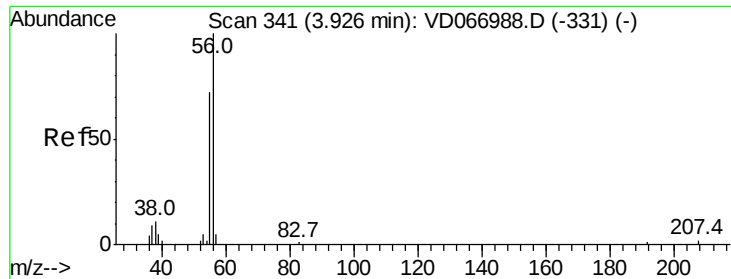


#12

1,1-Dichloroethene
 Concen: 19.446 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 96 Resp: 89040
 Ion Ratio Lower Upper
 96 100
 61 150.7 116.4 174.6
 98 64.2 49.9 74.9





#13

Acrolein

Concen: 100.917 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

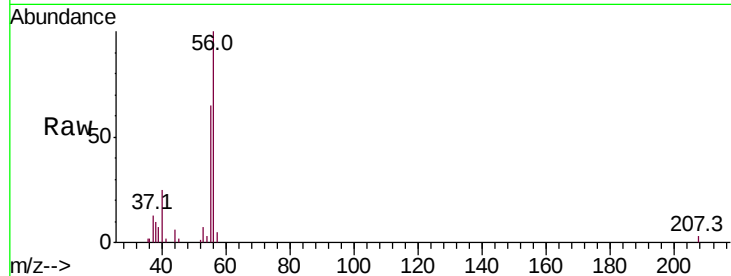
VD1001SBS01

Tot Ion: 56 Resp: 31614

Ion Ratio Lower Upper

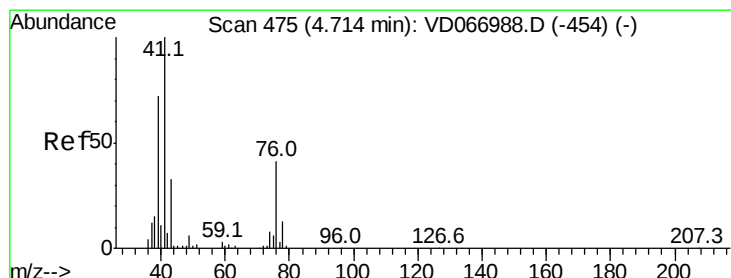
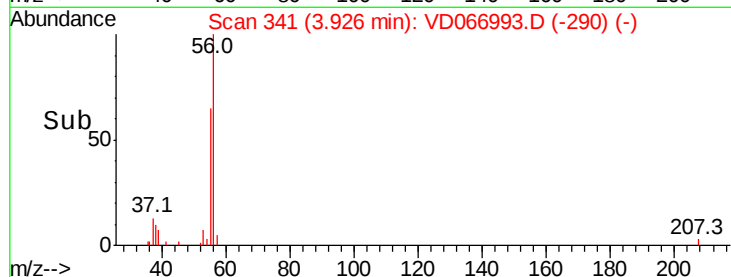
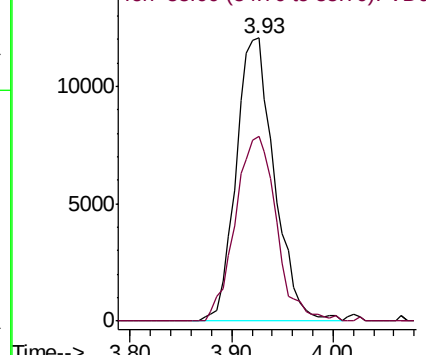
56 100

55 70.3 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.673 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

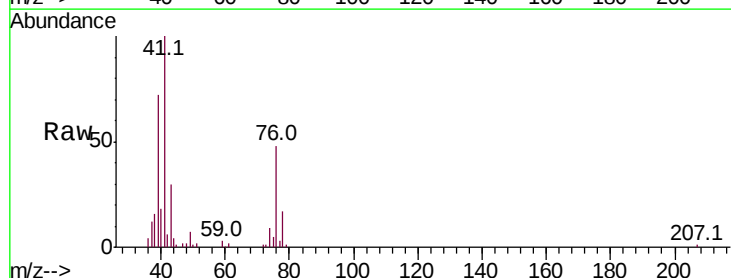
Tgt Ion: 41 Resp: 122966

Ion Ratio Lower Upper

41 100

39 66.5 56.2 84.2

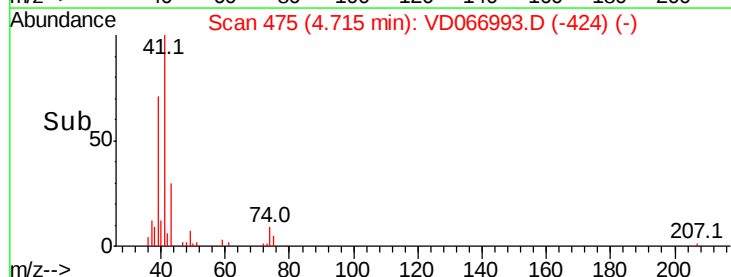
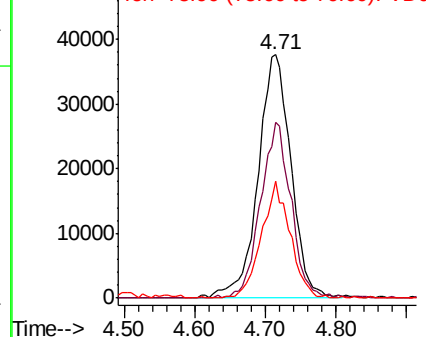
76 41.8 34.2 51.2

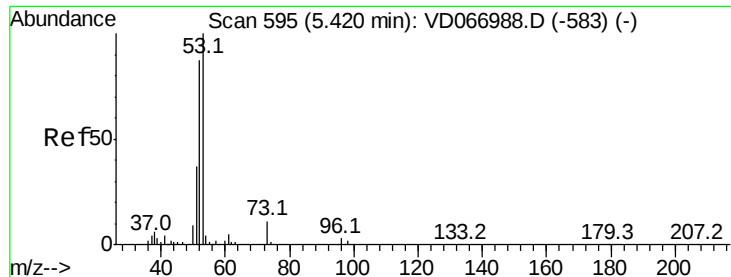


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 100.242 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

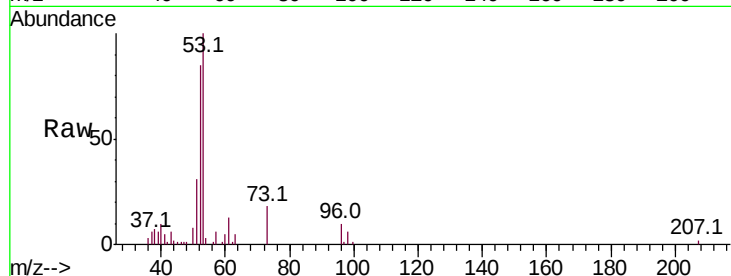
Tot Ion: 53 Resp: 78838

Ion Ratio Lower Upper

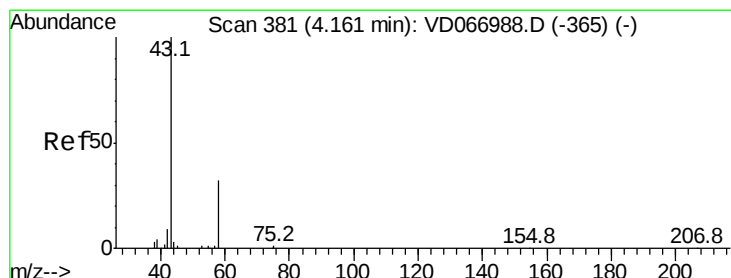
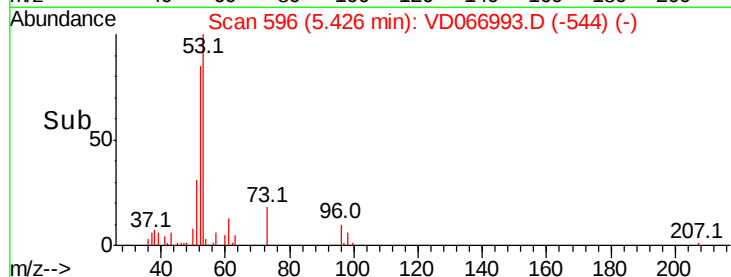
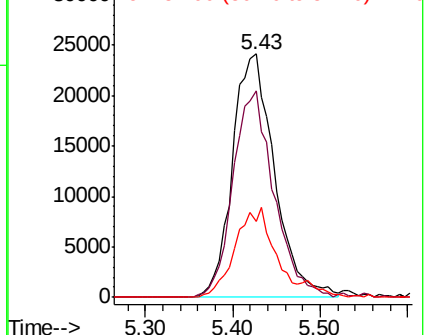
53 100

52 82.5 67.3 100.9

51 33.9 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 103.858 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD066993.D

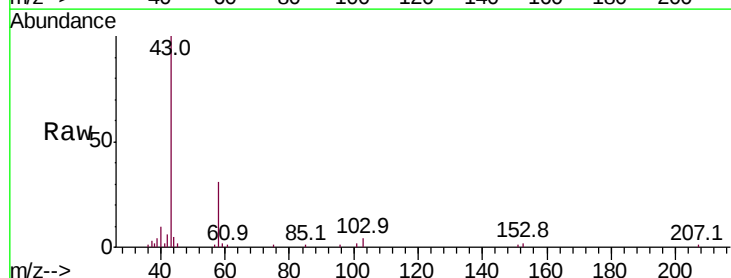
Acq: 01 Oct 2020 15:30

Tgt Ion: 43 Resp: 74172

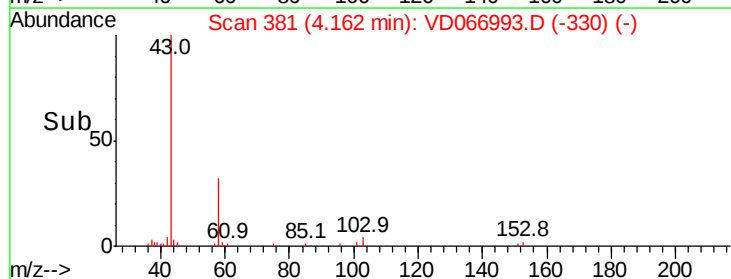
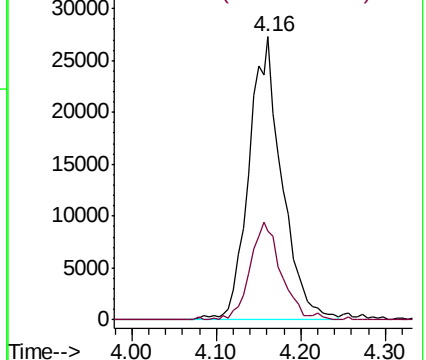
Ion Ratio Lower Upper

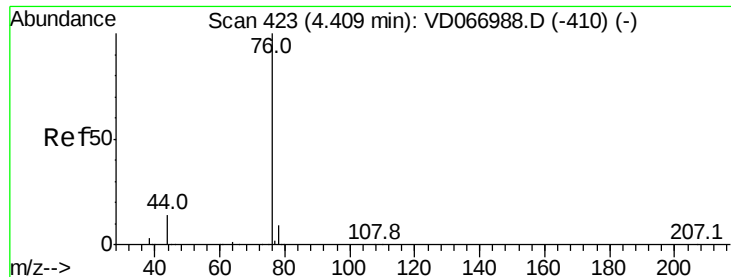
43 100

58 31.3 25.9 38.9



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

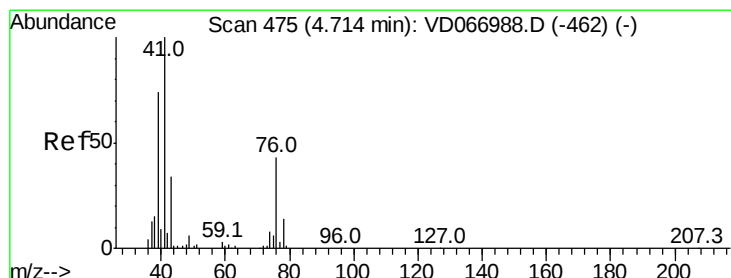
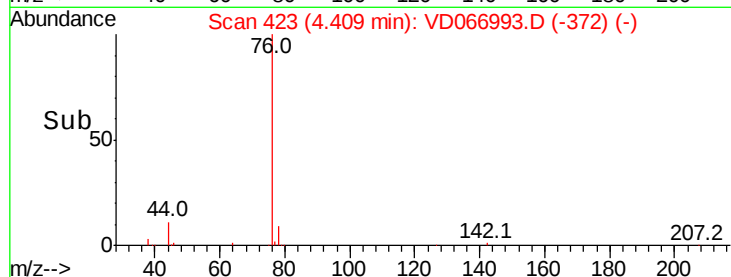
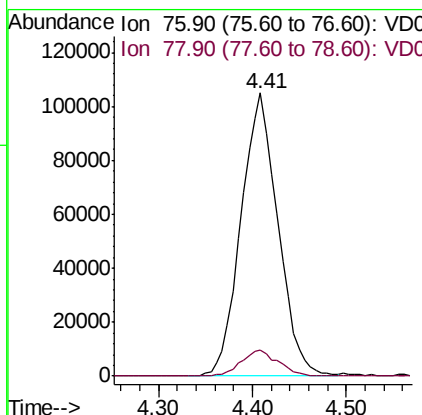
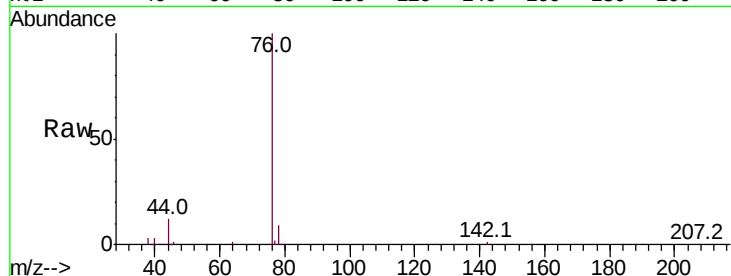




#17
Carbon Disulfide
Concen: 20.281 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

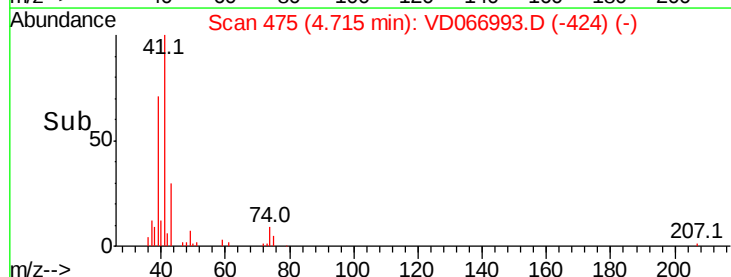
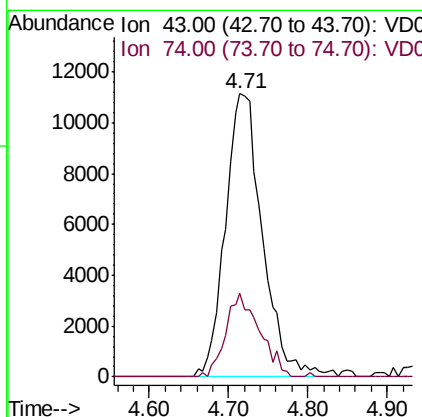
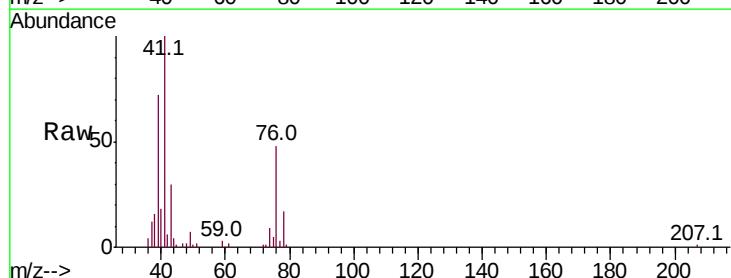
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

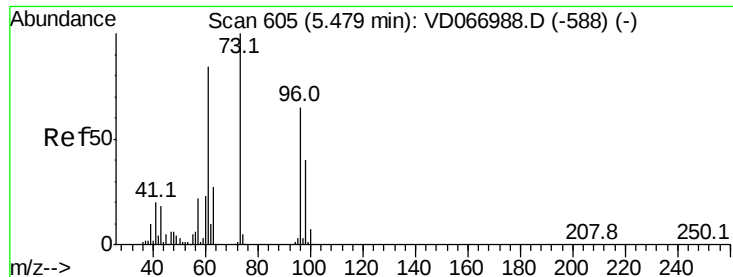
Tot Ion: 76 Resp: 284980
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 20.127 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 43 Resp: 36126
Ion Ratio Lower Upper
43 100
74 26.9 21.5 32.3

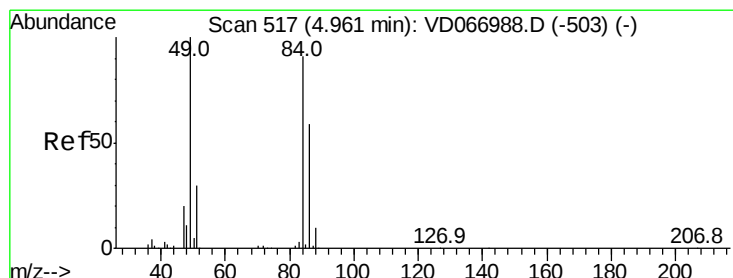
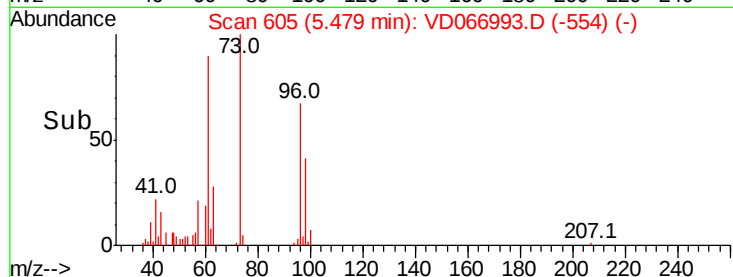
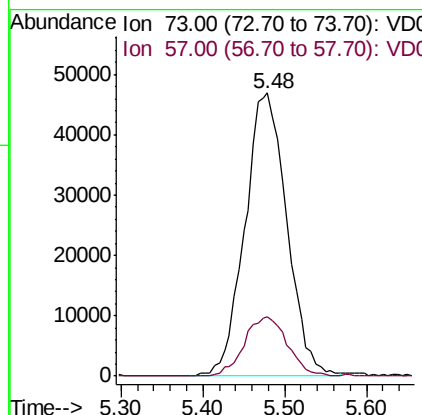
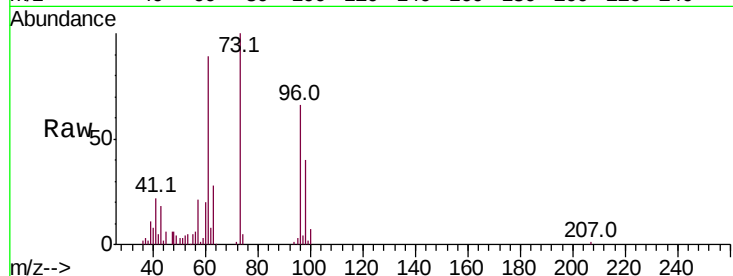




#19
Methvl tert-butvl Ether
Concen: 20.032 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

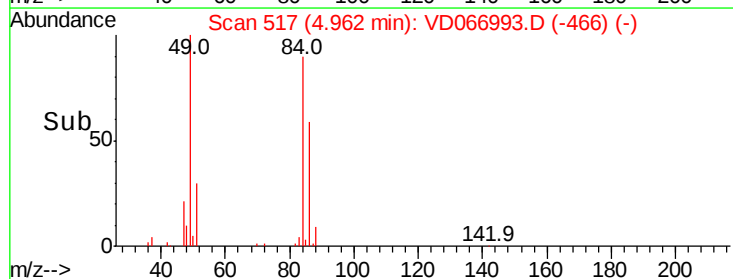
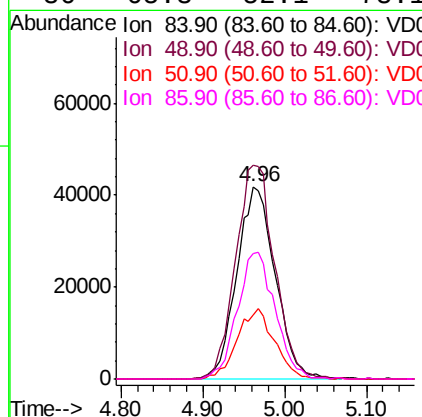
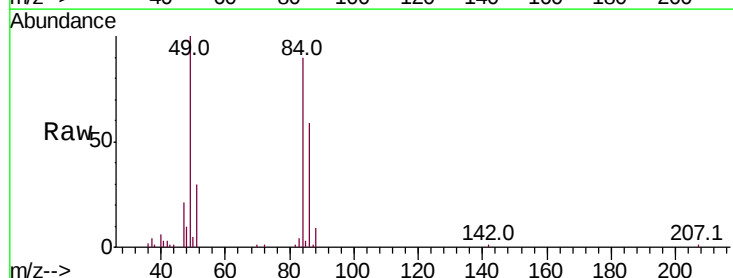
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

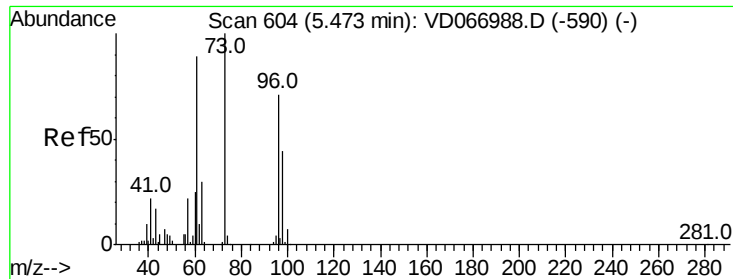
Tot Ion: 73 Resp: 167440
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.0



#20
Methylene Chloride
Concen: 23.103 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 84 Resp: 136918
Ion Ratio Lower Upper
84 100
49 111.0 88.2 132.2
51 33.0 26.6 39.8
86 65.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 19.912 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

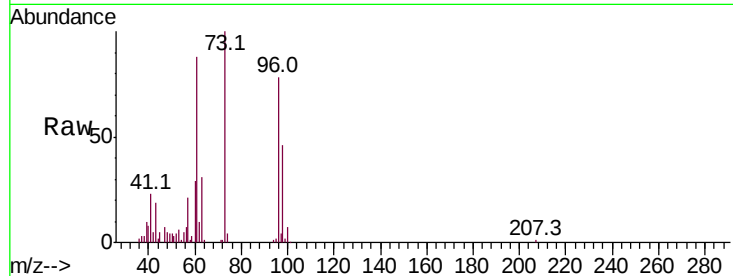
Tot Ion: 96 Resp: 103757

Ion Ratio Lower Upper

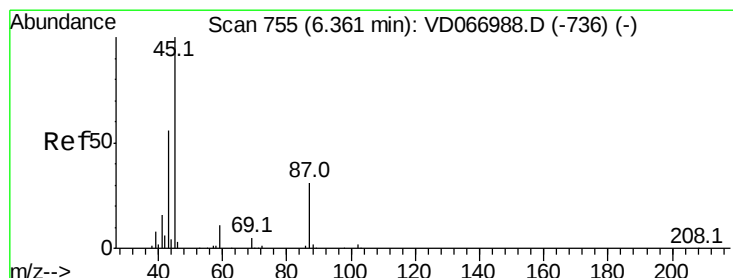
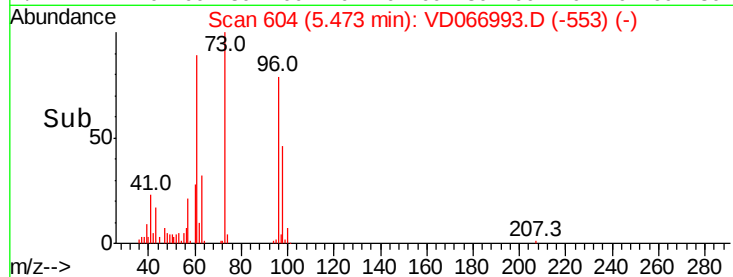
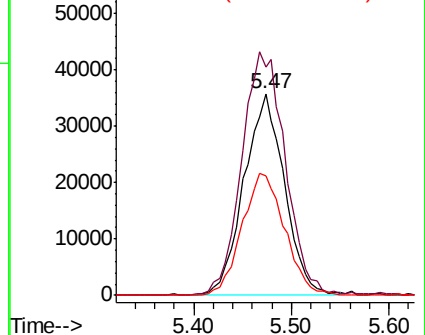
96 100

61 113.5 99.6 149.4

98 59.0 49.4 74.2



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: 21.489 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion: 45 Resp: 233359

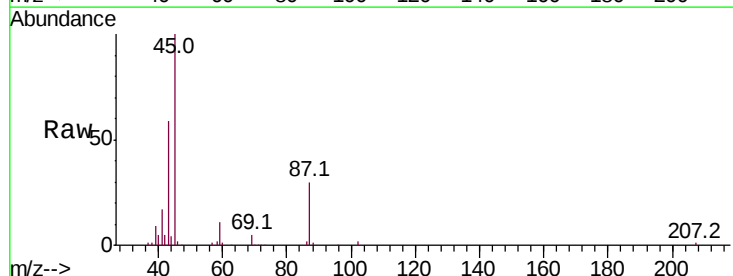
Ion Ratio Lower Upper

45 100

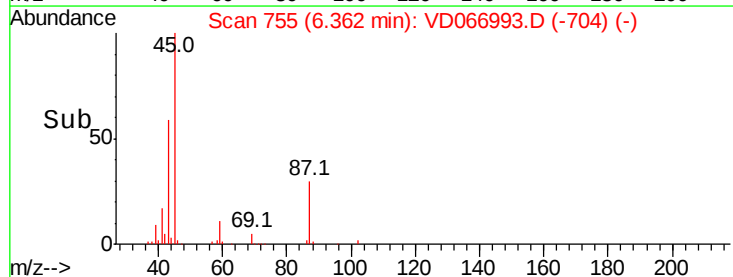
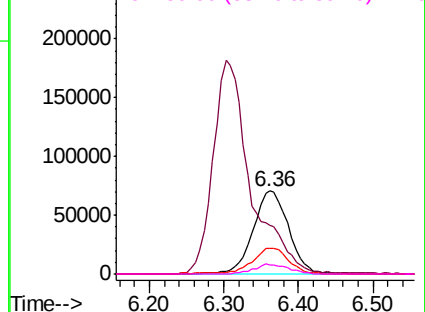
43 57.4 45.2 67.8

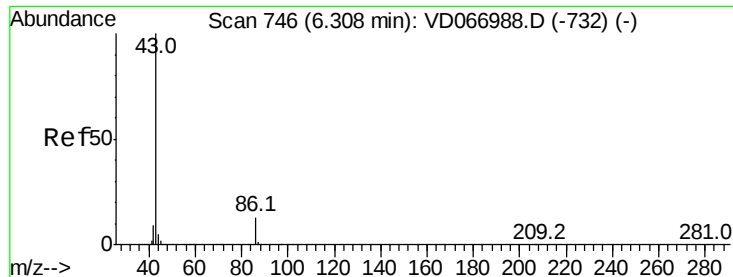
87 30.2 25.6 38.4

59 10.7 9.1 13.7



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: 103.121 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

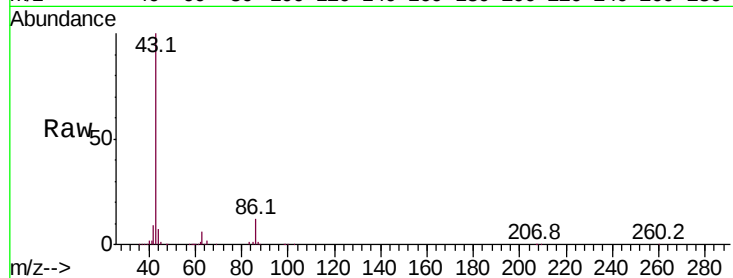
VD1001SBS01

Tot Ion: 43 Resp: 634559

Ion Ratio Lower Upper

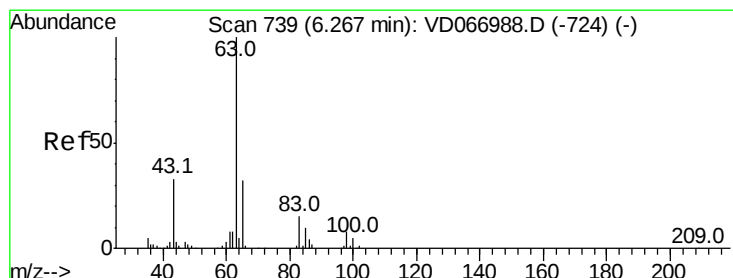
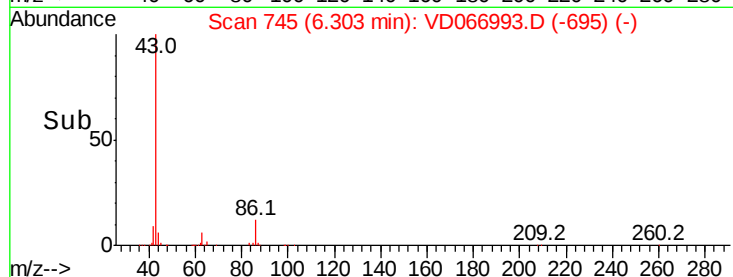
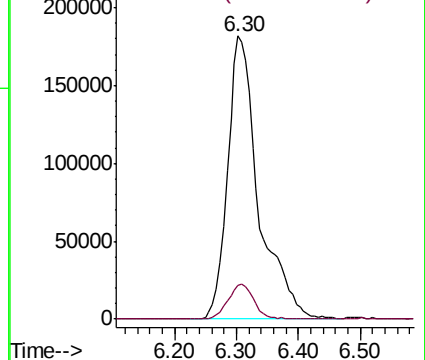
43 100

86 11.9 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.958 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

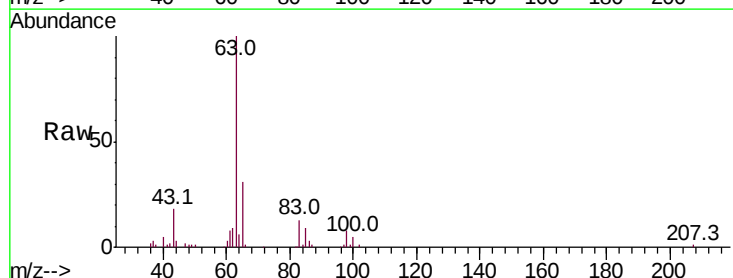
Tgt Ion: 63 Resp: 167264

Ion Ratio Lower Upper

63 100

98 8.0 4.2 12.6

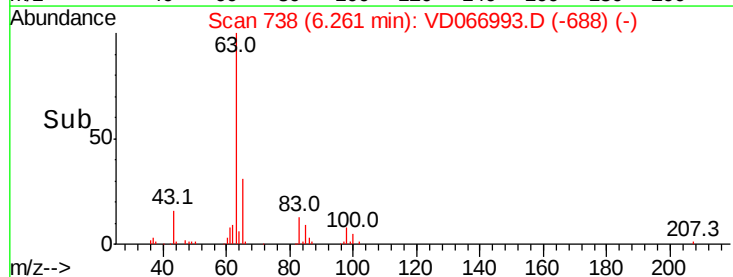
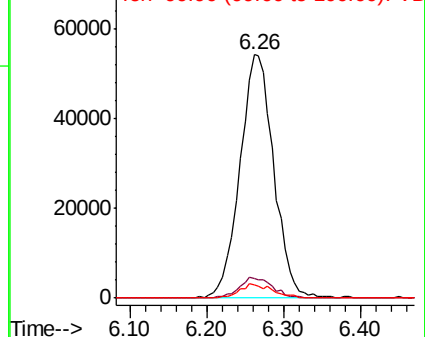
100 5.4 2.6 7.8

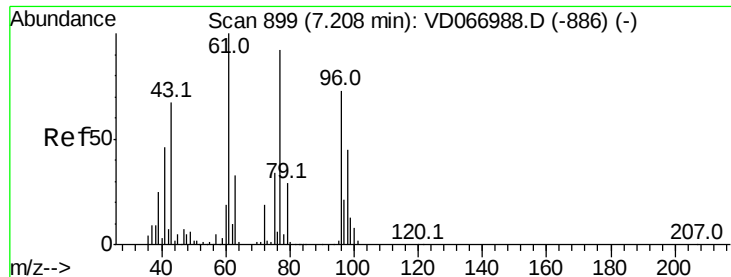


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 98.687 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

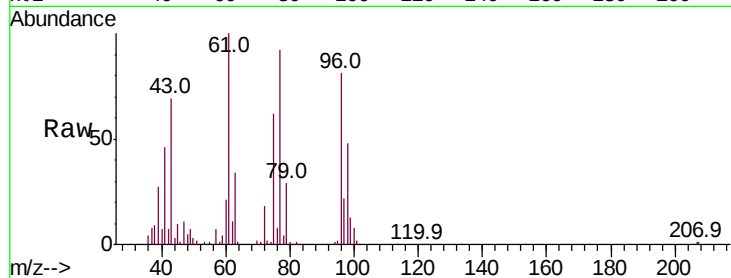
VD1001SBS01

Tot Ion: 43 Resp: 99923

Ion Ratio Lower Upper

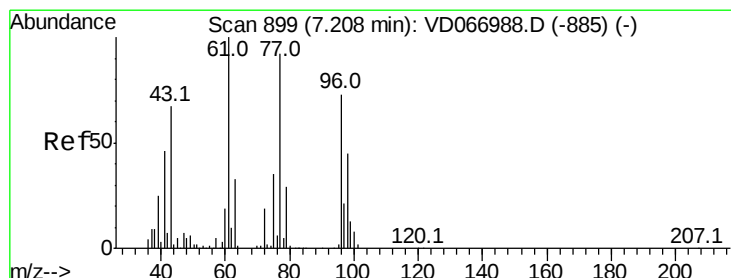
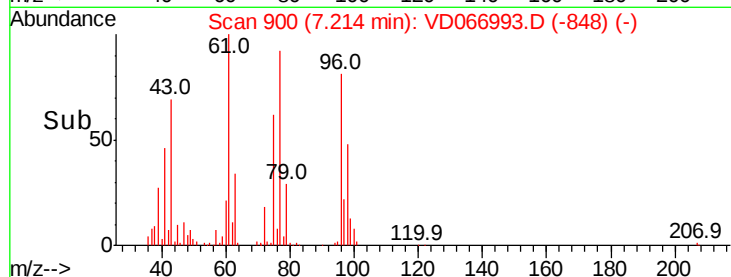
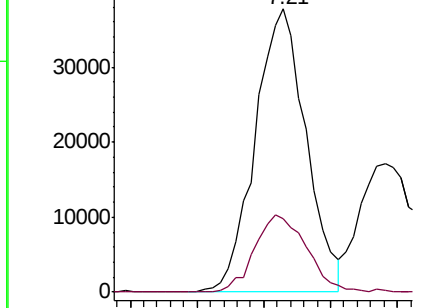
43 100

72 25.8 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.223 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066993.D

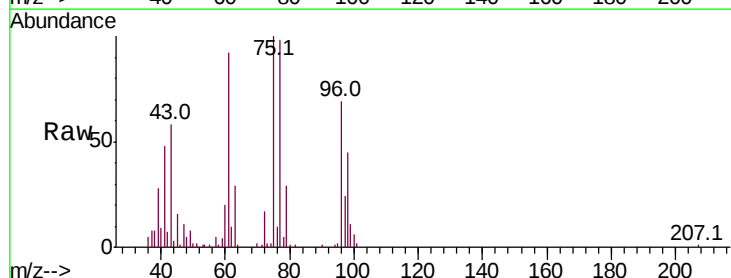
Acq: 01 Oct 2020 15:30

Tgt Ion: 77 Resp: 155954

Ion Ratio Lower Upper

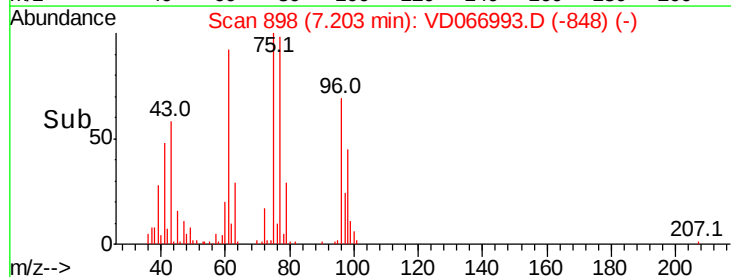
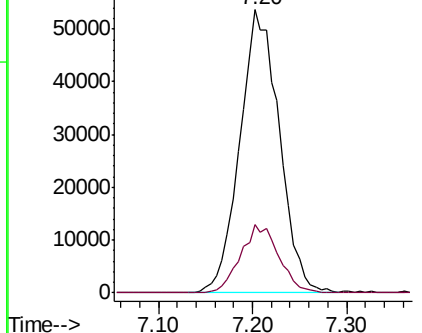
77 100

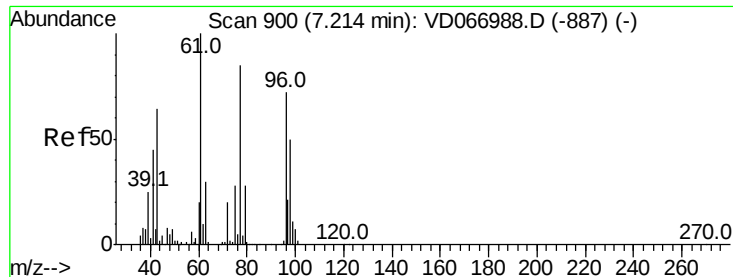
97 23.2 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



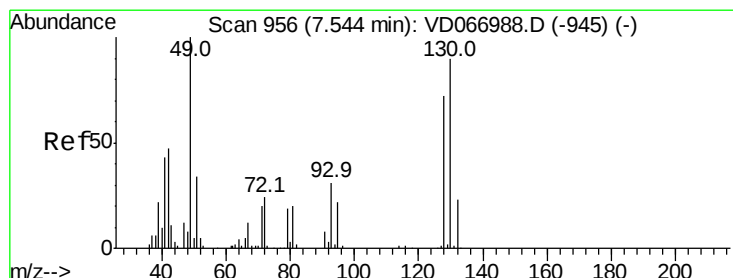
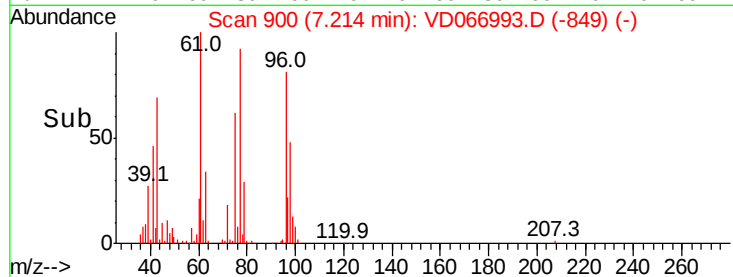
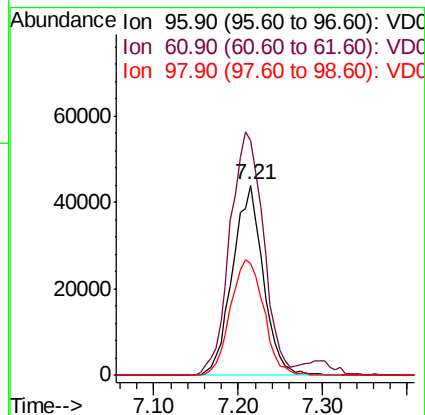
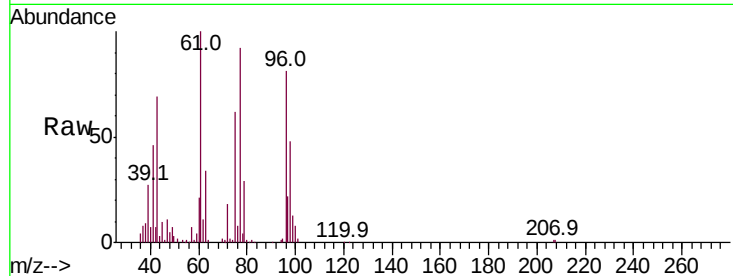


#27

cis-1,2-Dichloroethene
Concen: 19.800 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

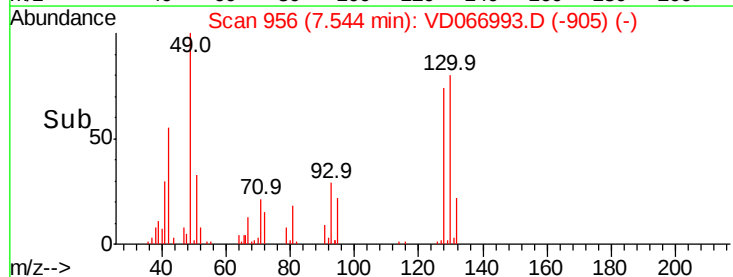
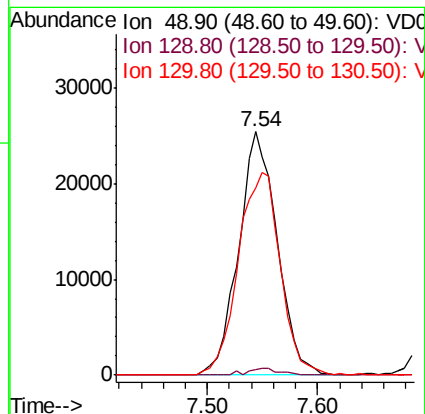
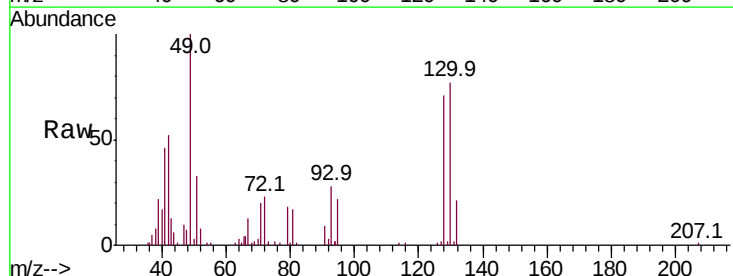
Tot Ion: 96 Resp: 110192
Ion Ratio Lower Upper
96 100
61 140.6 0.0 269.2
98 66.1 0.0 129.4

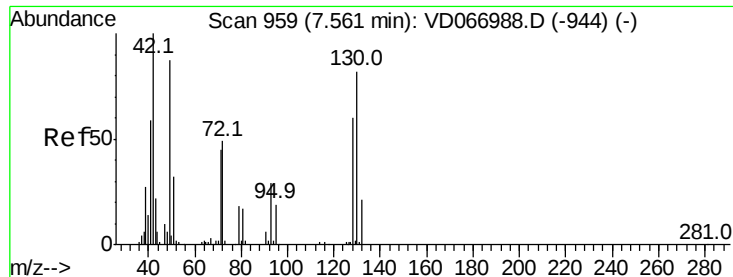


#28

Bromochloromethane
Concen: 19.251 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 49 Resp: 62304
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.6
130 90.6 74.1 111.1

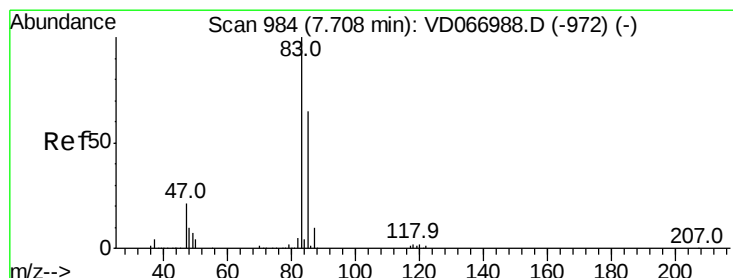
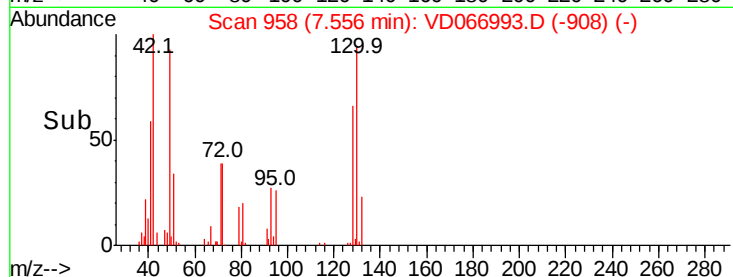
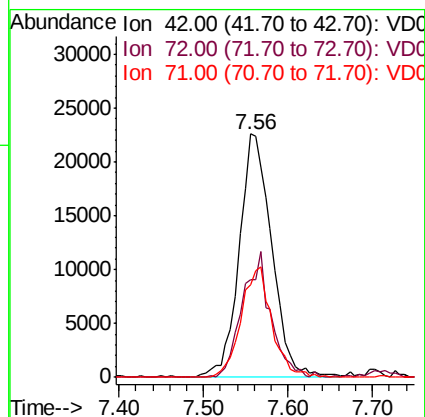
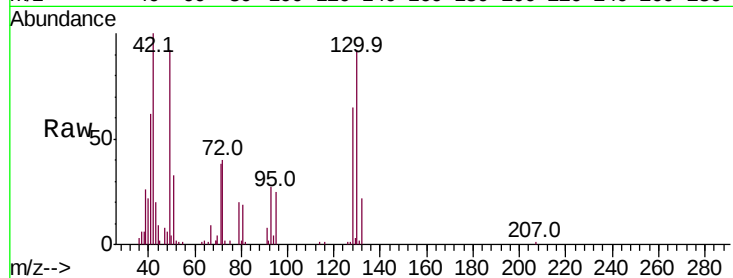




#29
Tetrahydrofuran
Concen: 103.525 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

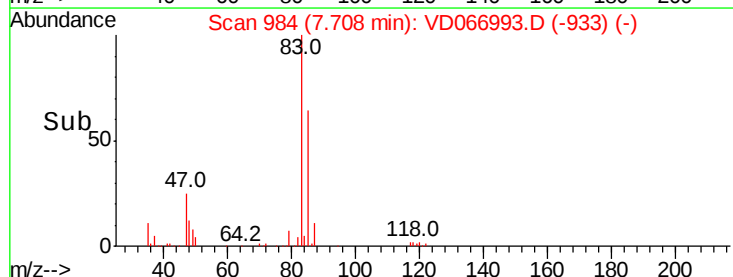
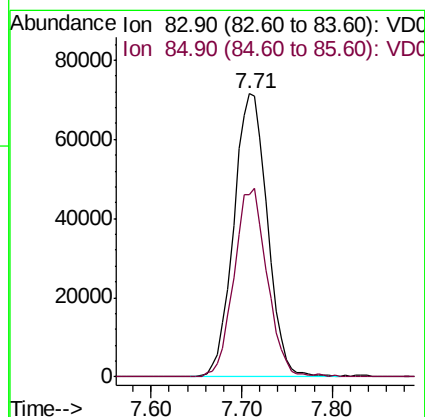
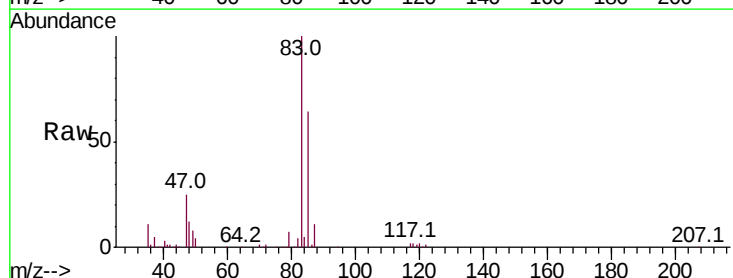
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

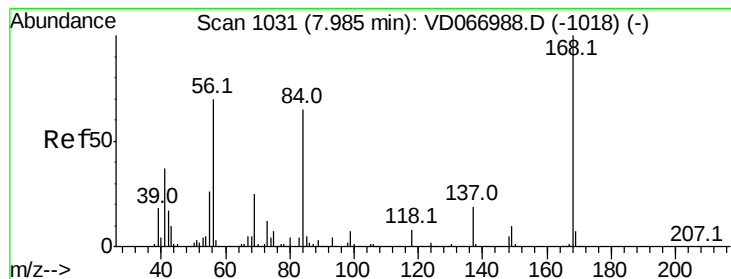
Tot Ion: 42 Resp: 60271
Ion Ratio Lower Upper
42 100
72 44.7 39.1 58.7
71 42.9 34.2 51.4



#30
Chloroform
Concen: 20.262 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 83 Resp: 184205
Ion Ratio Lower Upper
83 100
85 64.3 52.3 78.5





#31

Cyclohexane

Concen: 19.976 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

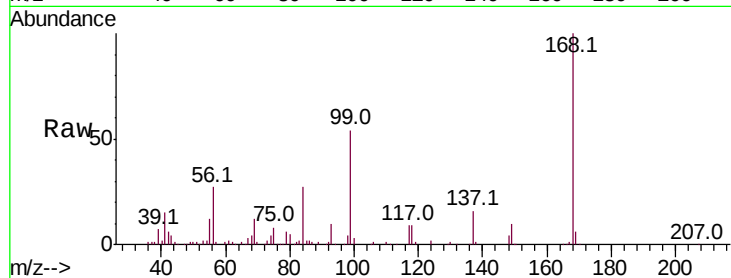
Tot Ion: 56 Resp: 140352

Ion Ratio Lower Upper

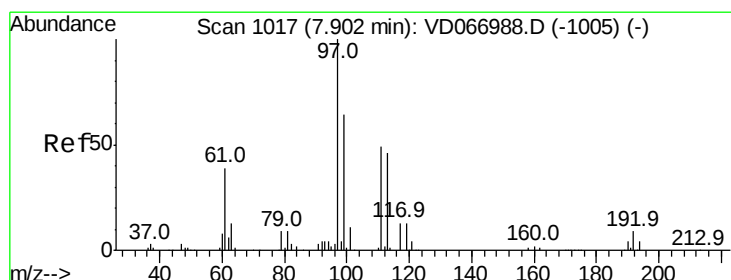
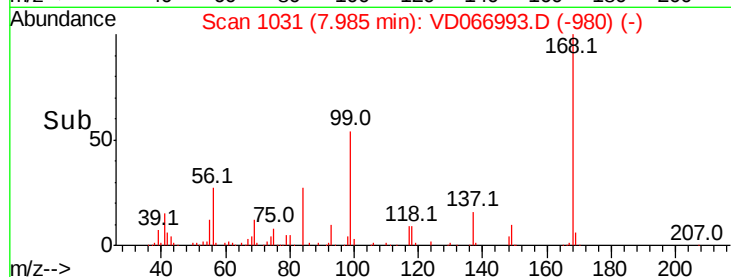
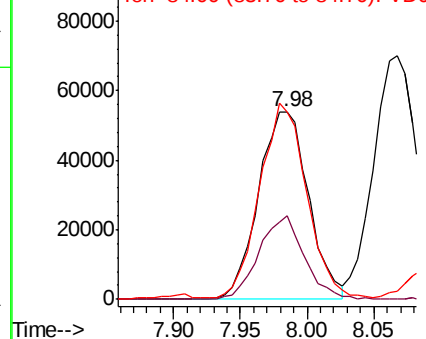
56 100

69 44.8 29.0 43.6#

84 98.6 74.2 111.2



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



#32

1,1,1-Trichloroethane

Concen: 19.990 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

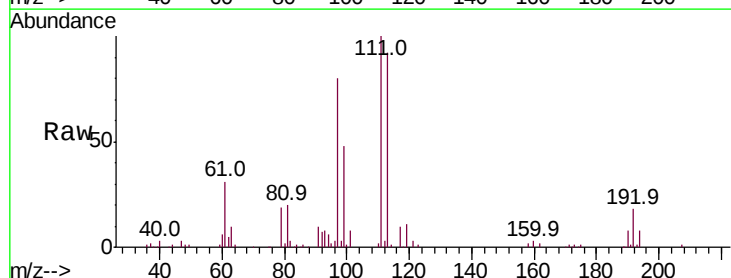
Tgt Ion: 97 Resp: 168424

Ion Ratio Lower Upper

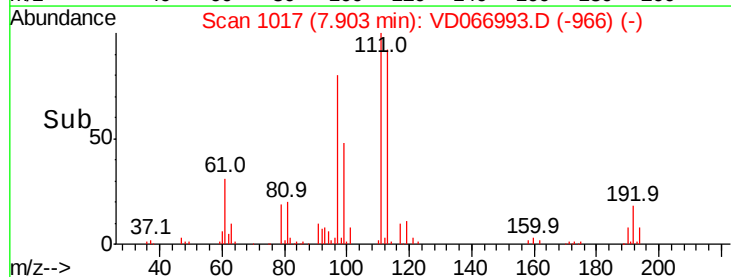
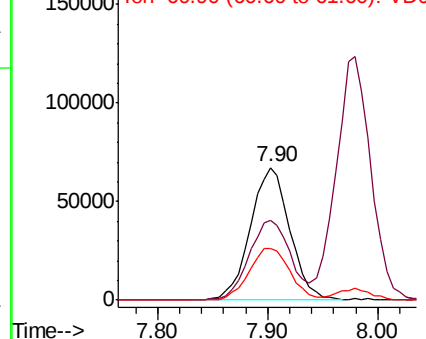
97 100

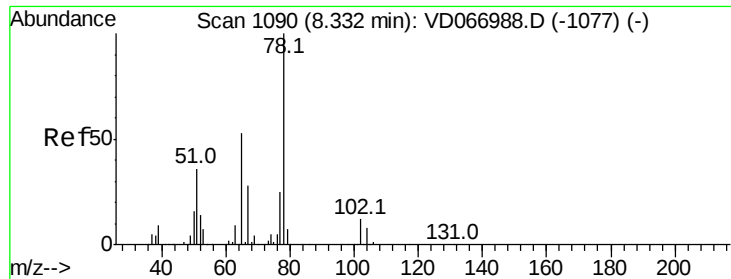
99 63.3 52.6 78.8

61 40.5 32.8 49.2



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

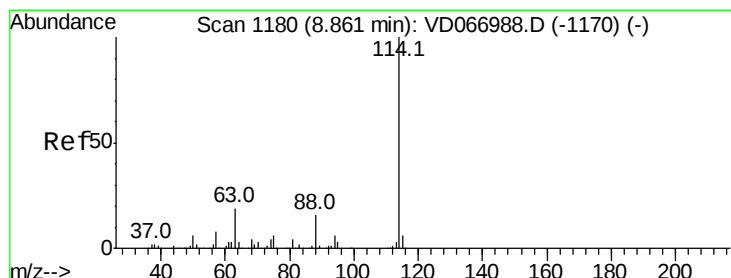
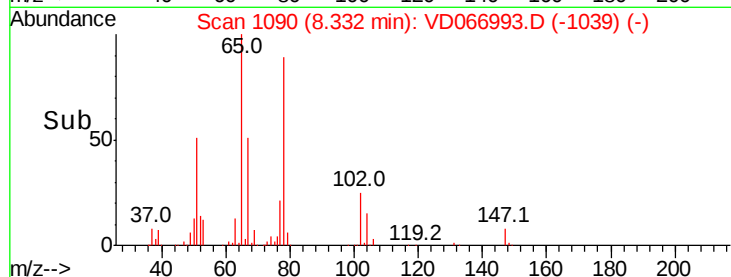
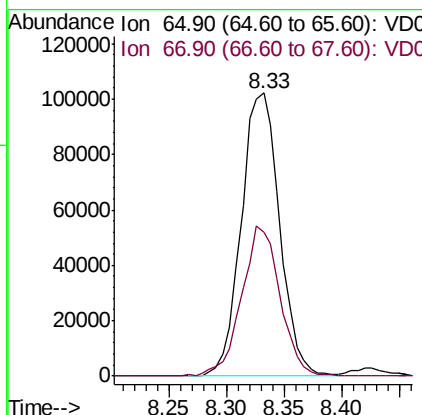
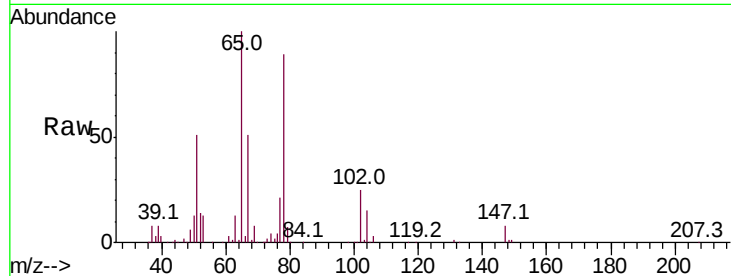




#33
 1,2-Dichloroethane-d4
 Concen: 50.526 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

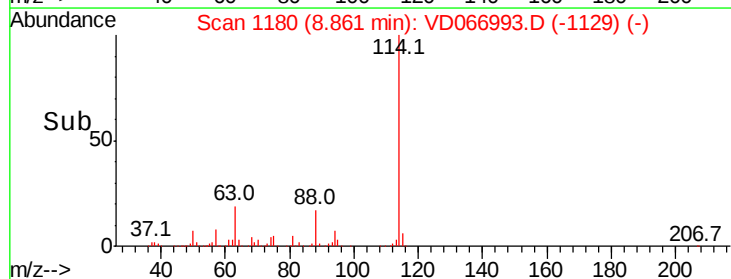
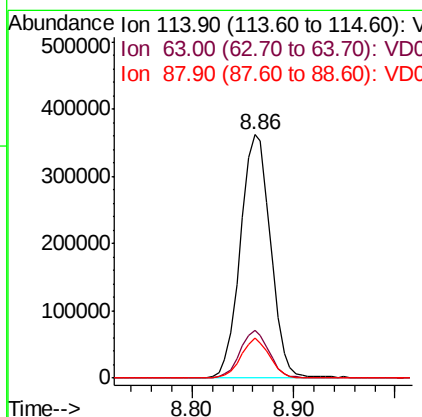
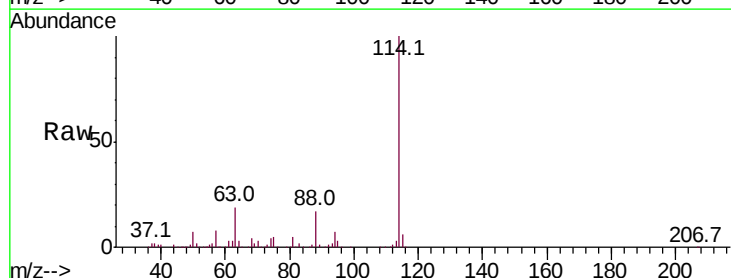
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

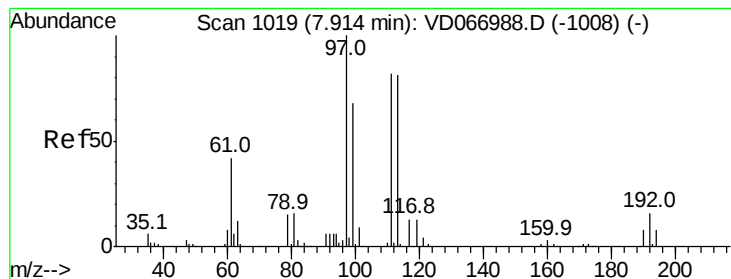
Tot Ion: 65 Resp: 236380
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 114 Resp: 748592
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.4
 88 16.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 50.503 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

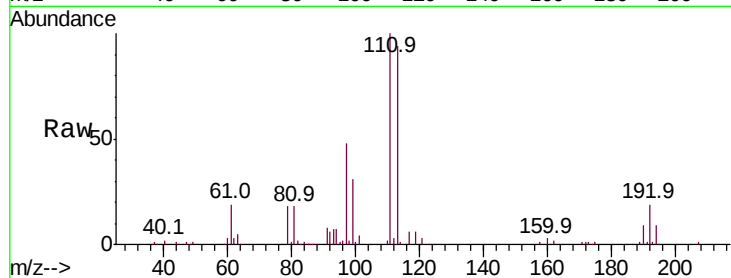
Tot Ion:113 Resp: 247509

Ion Ratio Lower Upper

113 100

111 102.6 83.0 124.4

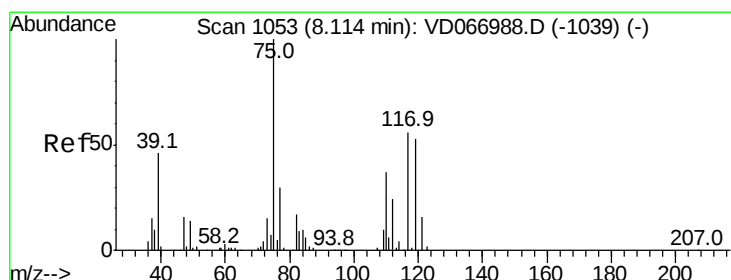
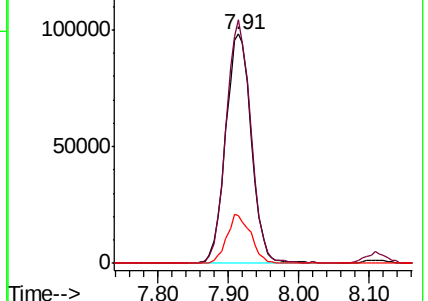
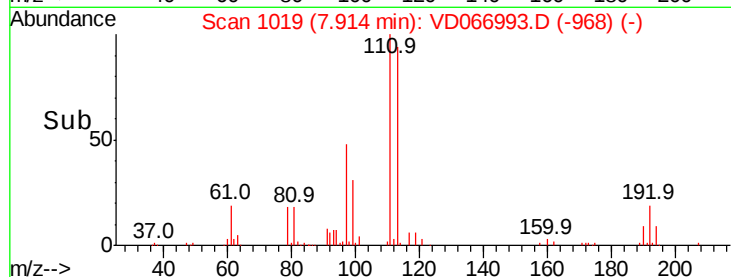
192 20.0 15.5 23.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.694 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

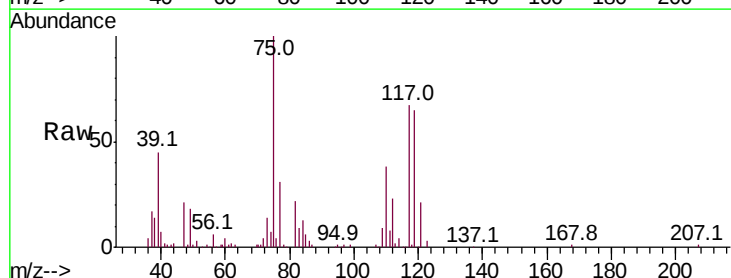
Tgt Ion: 75 Resp: 144394

Ion Ratio Lower Upper

75 100

110 36.8 18.4 55.0

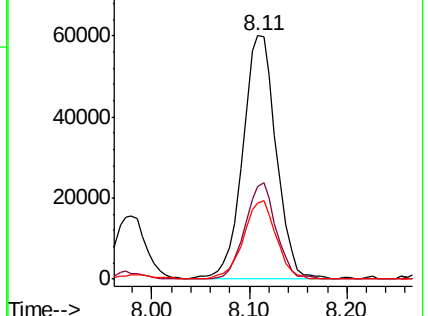
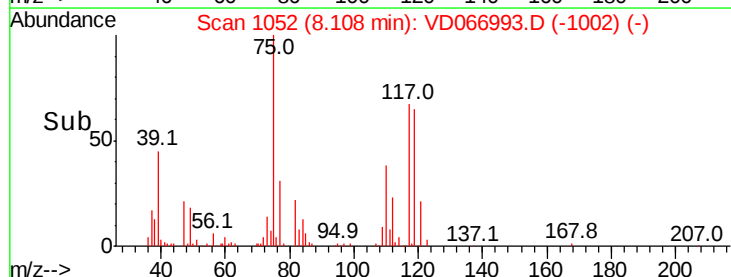
77 31.6 24.8 37.2

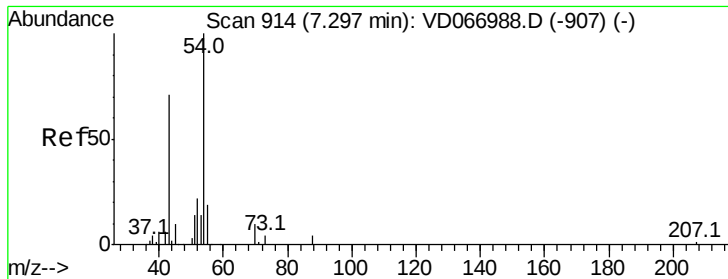


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

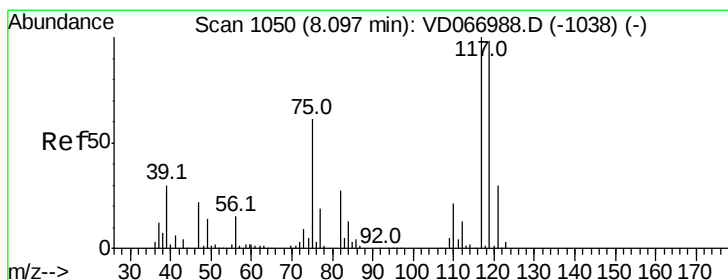
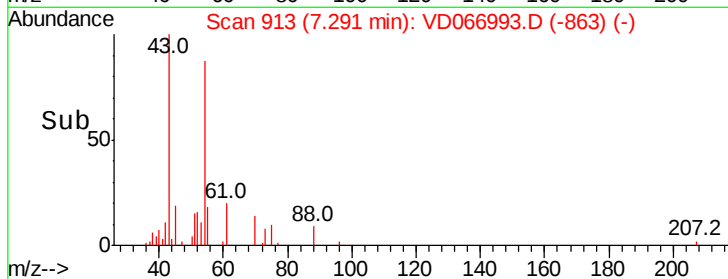
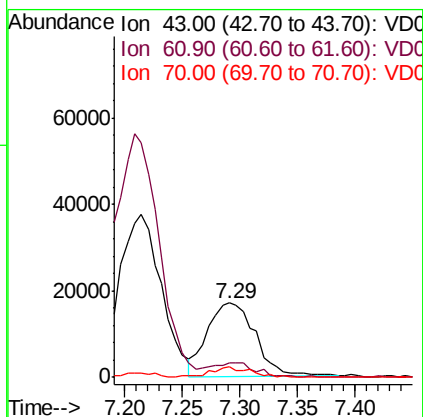
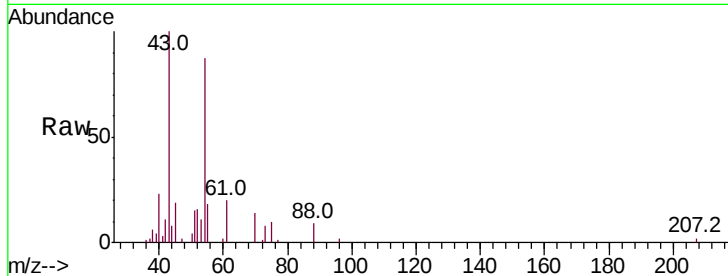




#37
Ethyl Acetate
Concen: 20.403 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

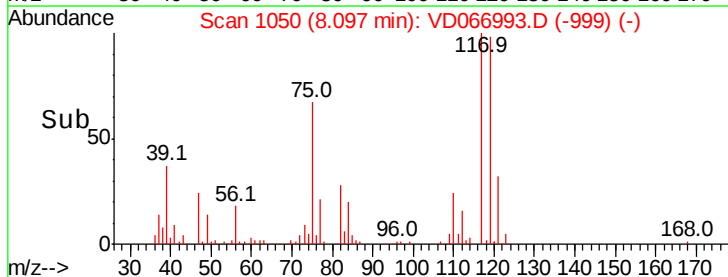
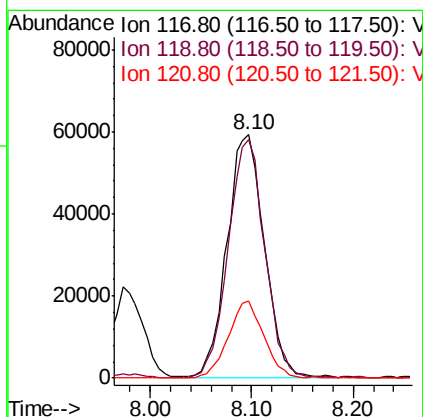
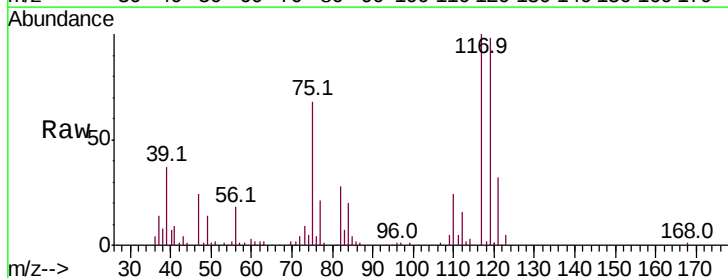
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

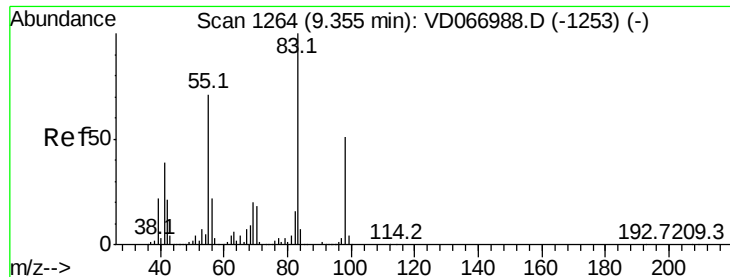
Tot Ion: 43 Resp: 49319
Ion Ratio Lower Upper
43 100
61 17.9 12.5 18.7
70 11.9 9.4 14.0



#38
Carbon Tetrachloride
Concen: 20.207 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 117 Resp: 152558
Ion Ratio Lower Upper
117 100
119 98.2 78.7 118.1
121 31.6 24.2 36.2

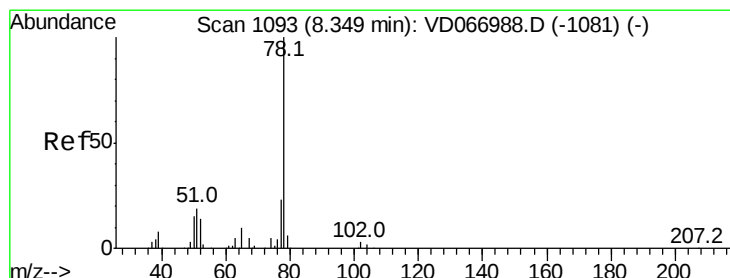
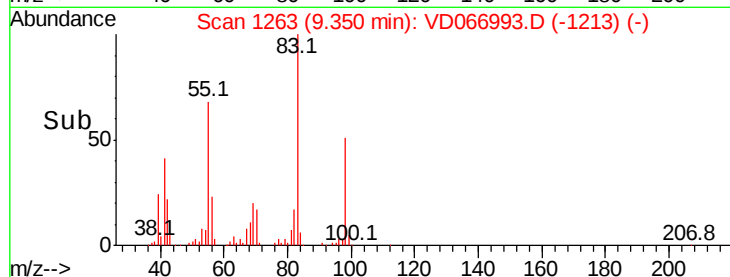
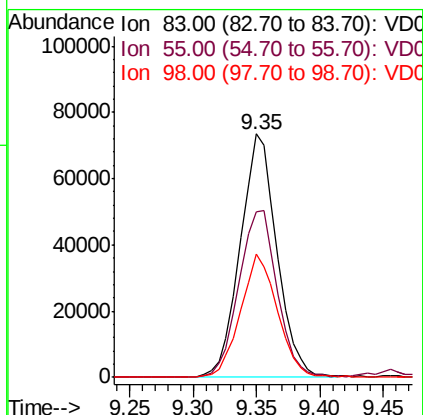
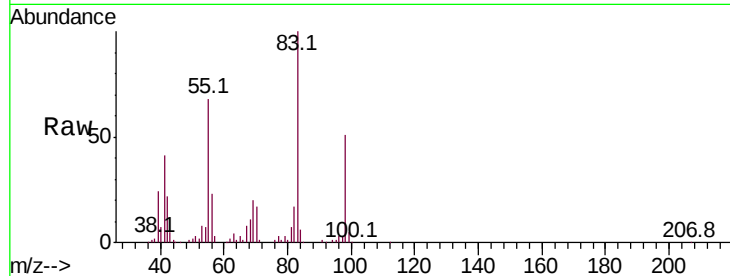




#39
Methvlcvclohexane
Concen: 19.989 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

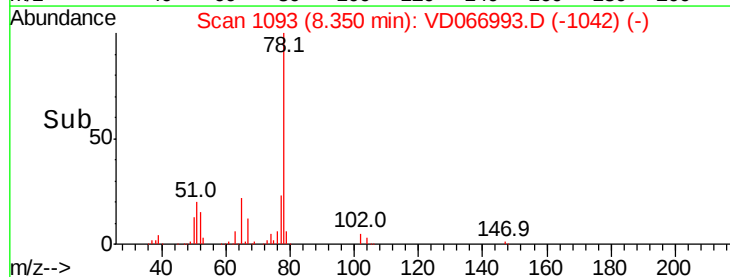
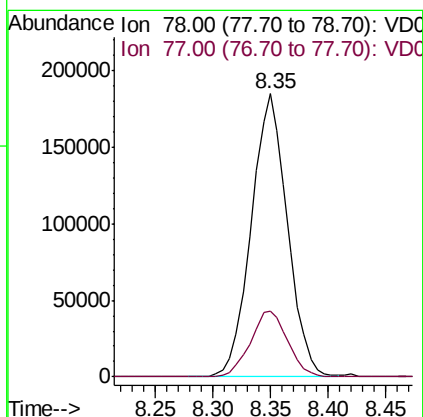
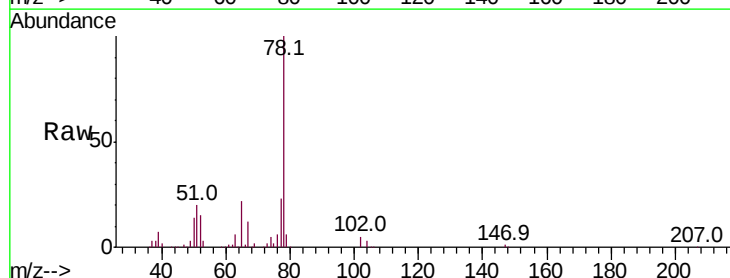
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

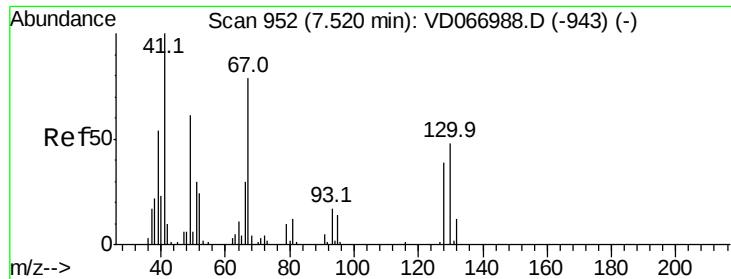
Tot Ion: 83 Resp: 147461
Ion Ratio Lower Upper
83 100
55 67.9 57.1 85.7
98 50.7 40.9 61.3



#40
Benzene
Concen: 20.790 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 78 Resp: 402935
Ion Ratio Lower Upper
78 100
77 23.1 18.4 27.6

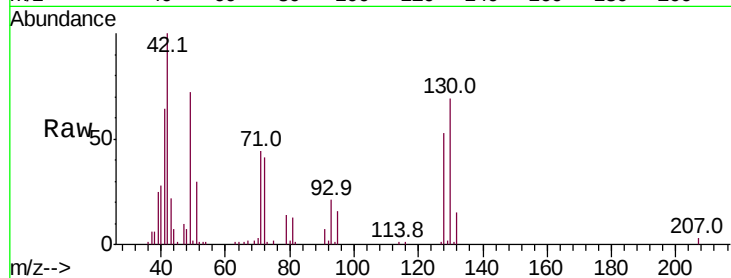




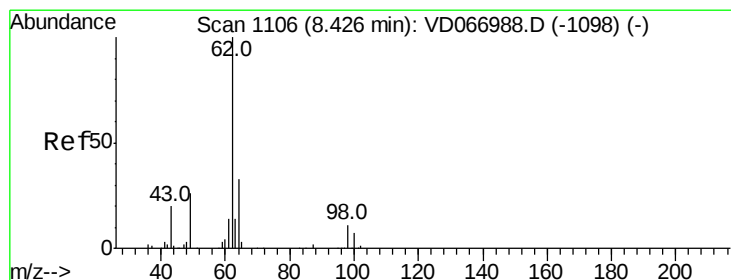
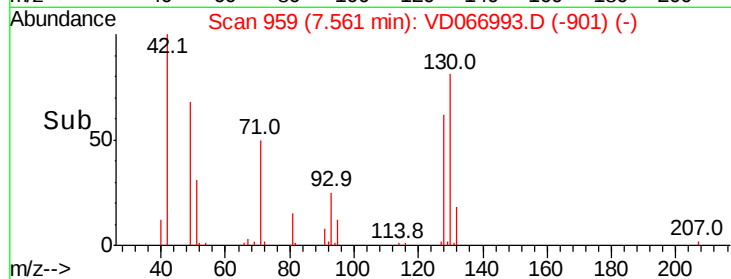
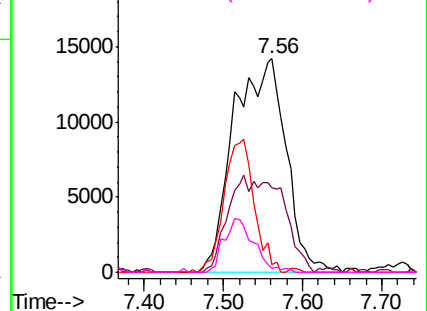
#41
Methacrylonitrile
Concen: 49.805 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.04 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 41 Resp: 65041
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0

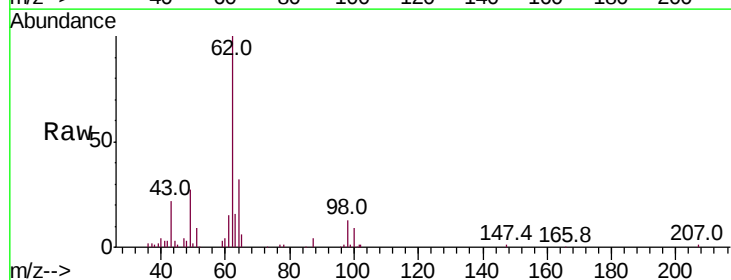


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

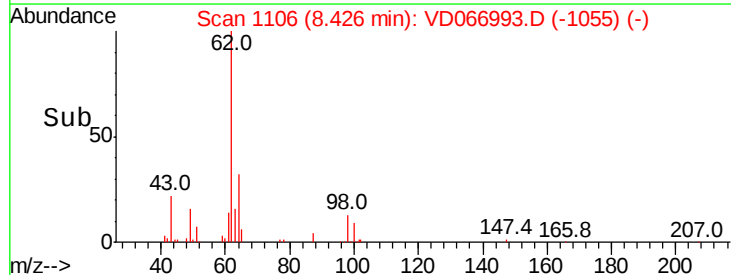
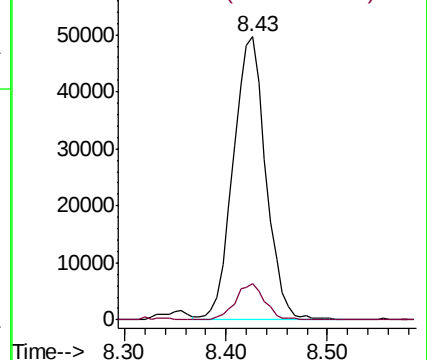


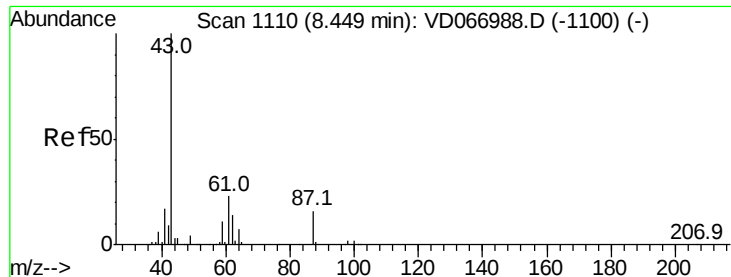
#42
1,2-Dichloroethane
Concen: 20.474 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 62 Resp: 110881
Ion Ratio Lower Upper
62 100
98 11.5 0.0 22.6



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





#43

Isopropyl Acetate

Concen: 21.192 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

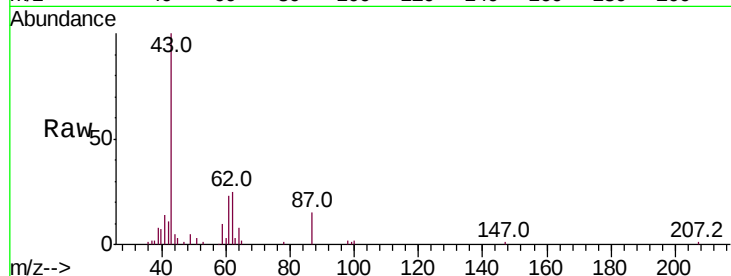
Tot Ion: 43 Resp: 94372

Ion Ratio Lower Upper

43 100

61 32.4 27.1 40.7

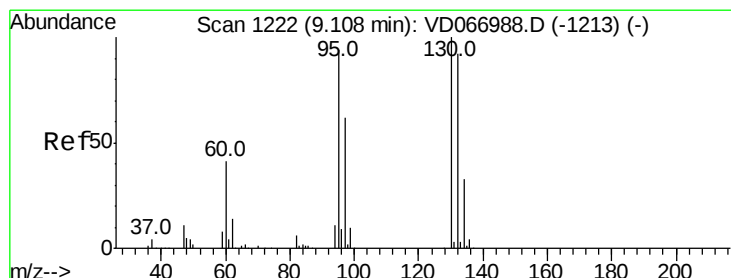
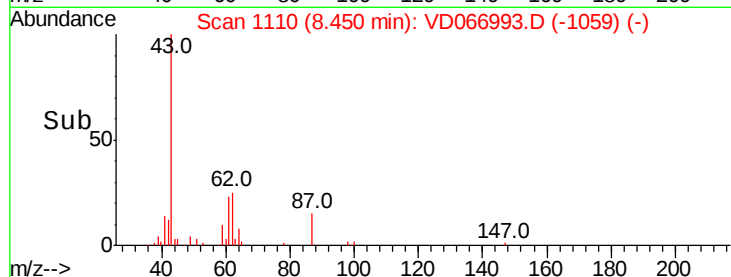
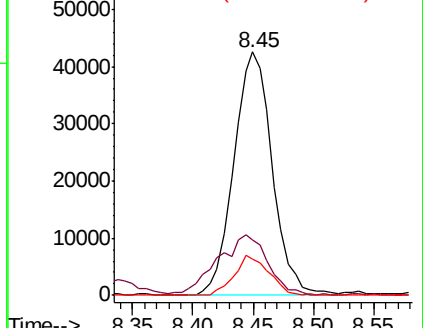
87 15.0 12.3 18.5



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: 20.139 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD066993.D

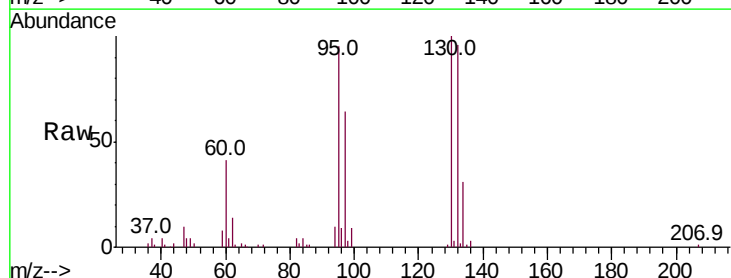
Acq: 01 Oct 2020 15:30

Tgt Ion:130 Resp: 116554

Ion Ratio Lower Upper

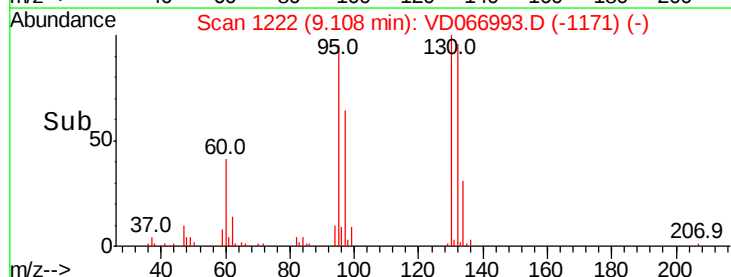
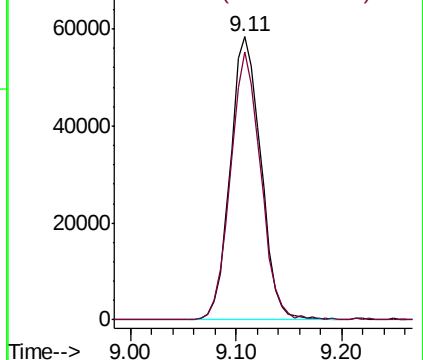
130 100

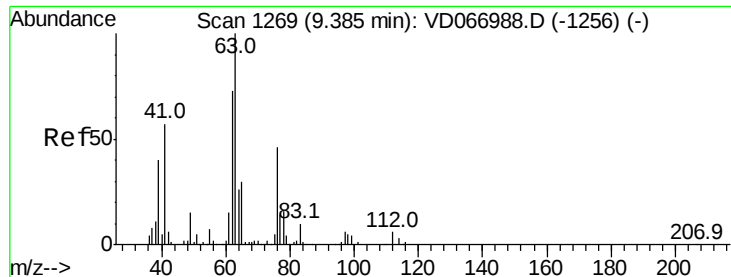
95 94.8 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.587 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

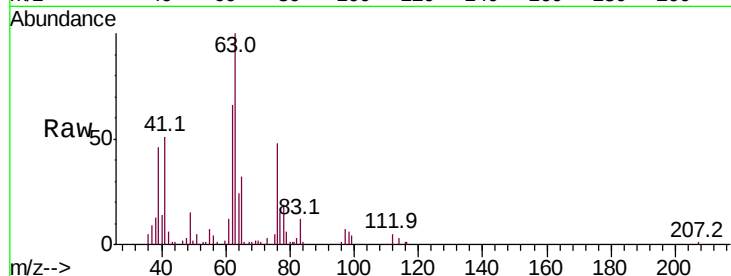
VD1001SBS01

Tot Ion: 63 Resp: 98301

Ion Ratio Lower Upper

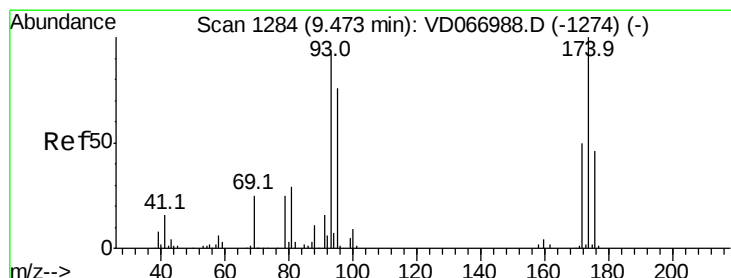
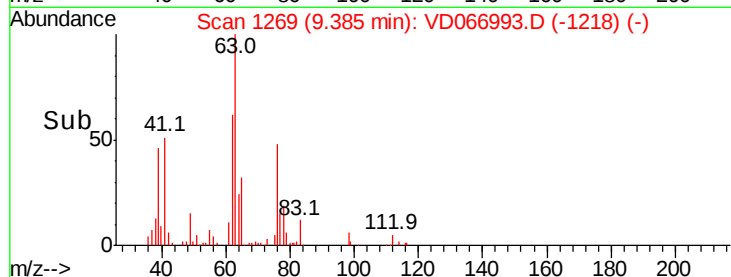
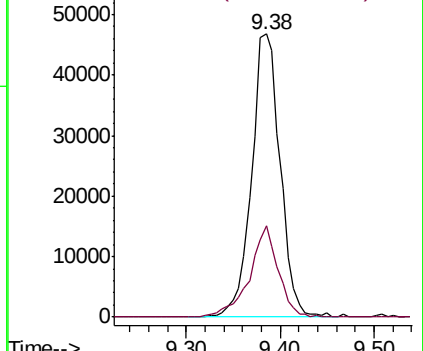
63 100

65 32.2 23.7 35.5



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.703 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

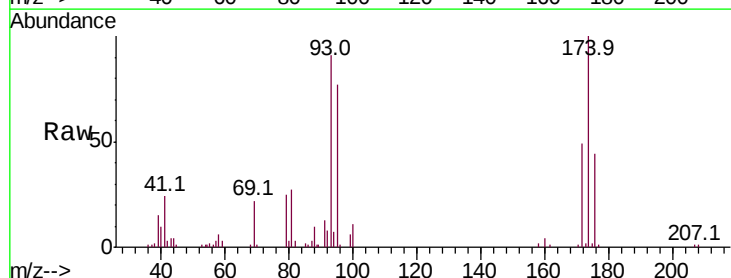
Tgt Ion: 93 Resp: 54185

Ion Ratio Lower Upper

93 100

95 83.4 64.7 97.1

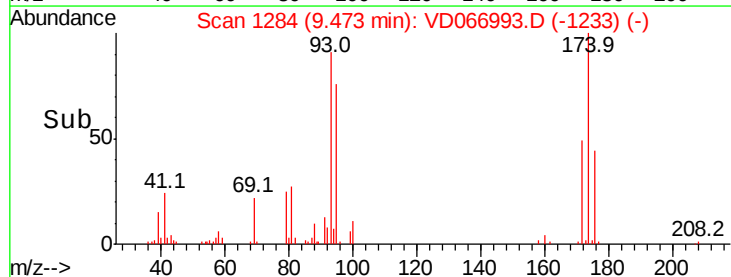
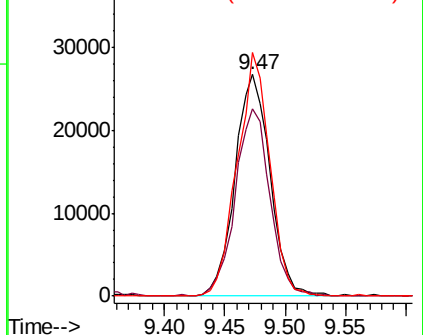
174 102.2 81.4 122.2

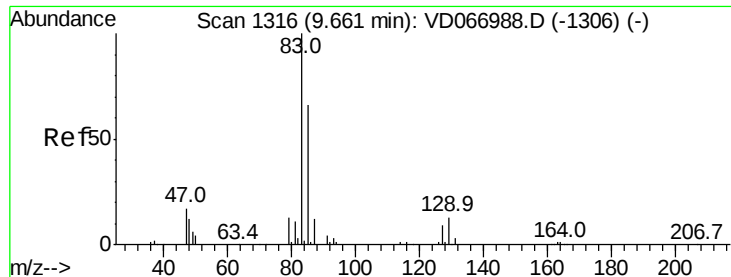


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

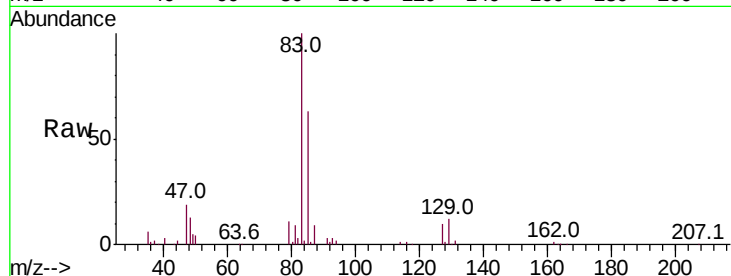




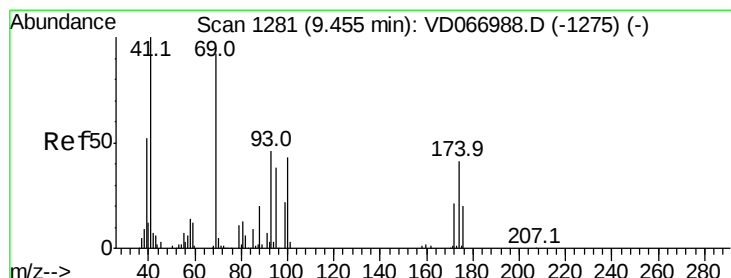
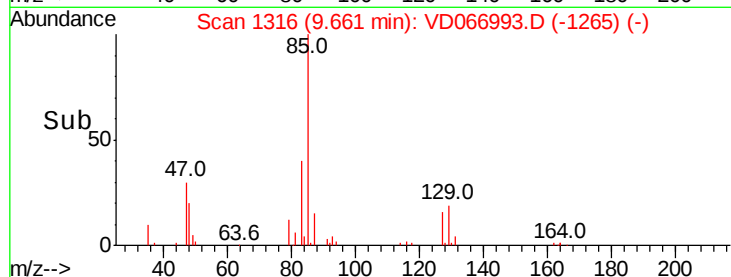
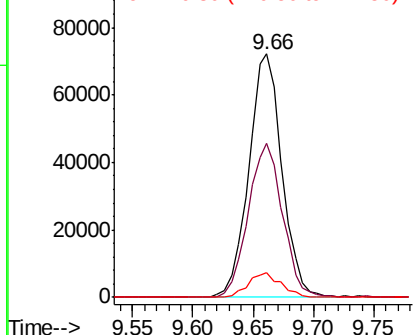
#47
Bromodichloromethane
Concen: 20.265 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion: 83 Resp: 137870
Ion Ratio Lower Upper
83 100
85 63.0 52.9 79.3
127 10.2 7.3 10.9

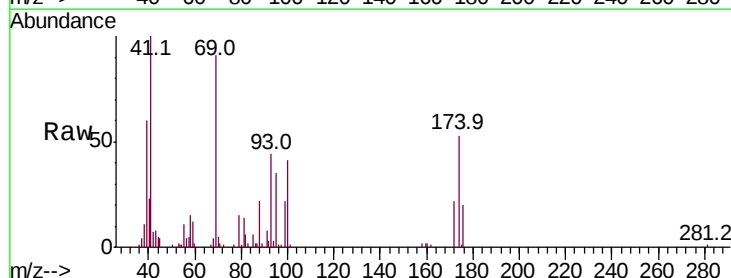


Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V

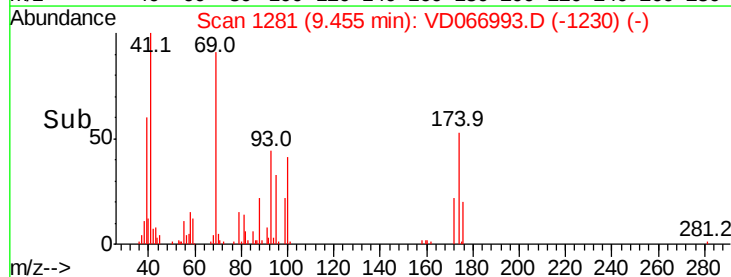
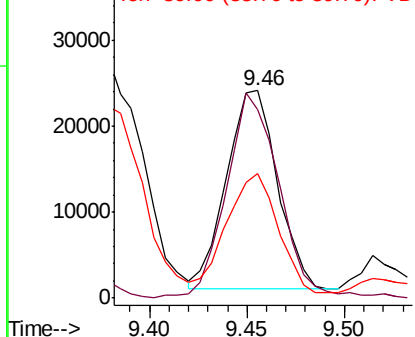


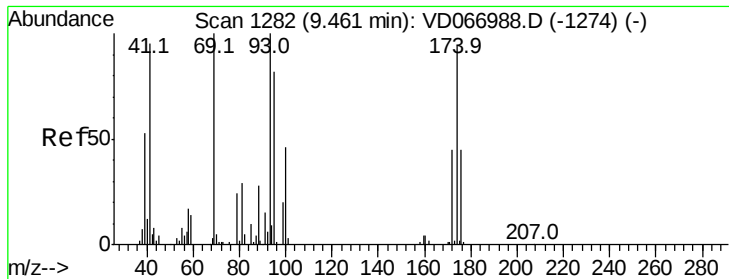
#48
Methyl methacrylate
Concen: 18.279 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 41 Resp: 41701
Ion Ratio Lower Upper
41 100
69 107.8 68.5 102.7#
39 66.7 40.2 60.2#



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





#49

1,4-Dioxane

Concen: 420.959 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

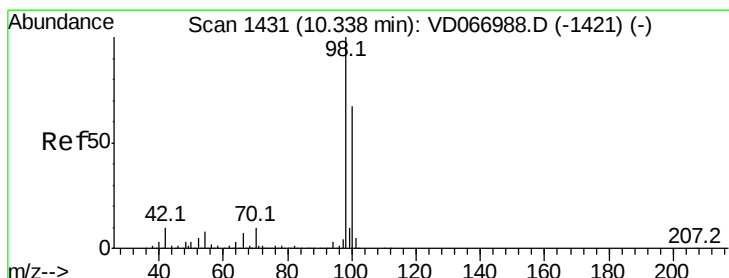
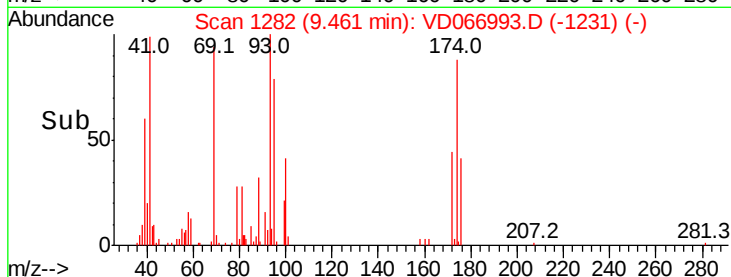
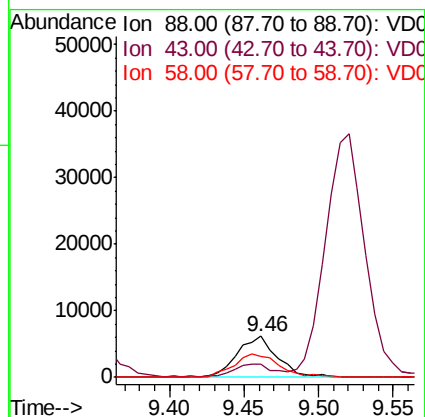
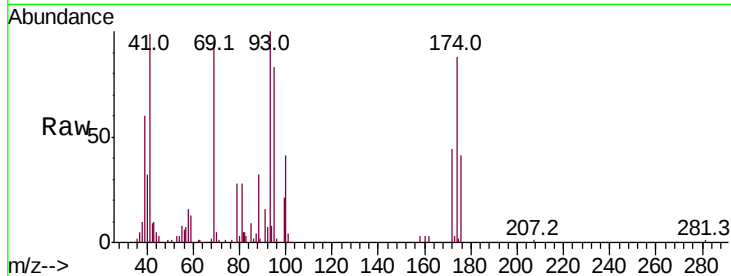
Tot Ion: 88 Resp: 11499

Ion Ratio Lower Upper

88 100

43 34.7 25.6 38.4

58 65.1 53.5 80.3



#50

Toluene-d8

Concen: 52.142 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066993.D

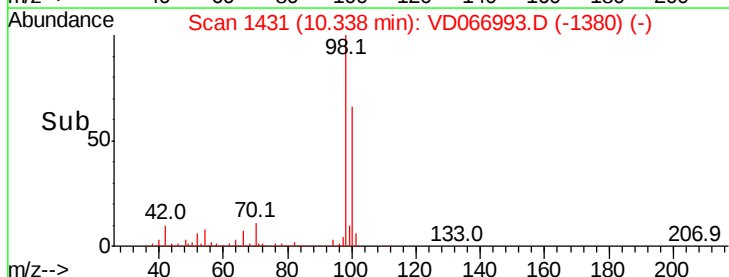
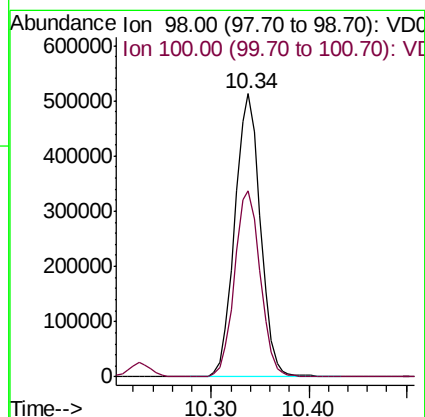
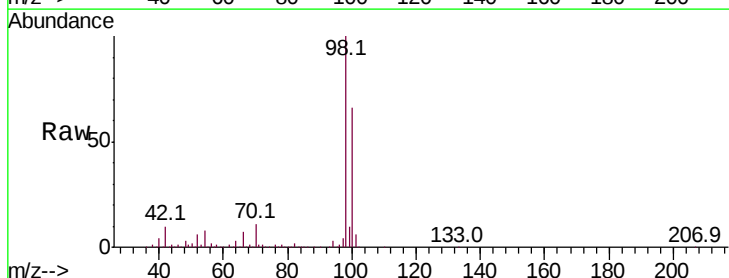
Acq: 01 Oct 2020 15:30

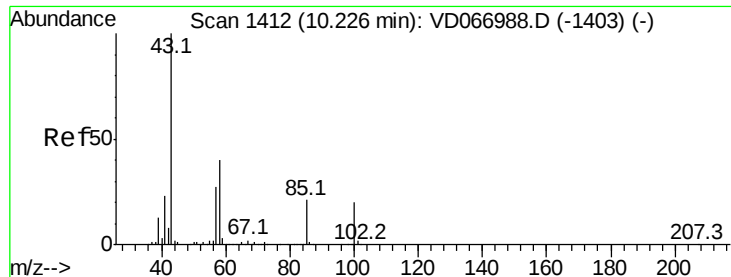
Tgt Ion: 98 Resp: 931171

Ion Ratio Lower Upper

98 100

100 66.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 105.580 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

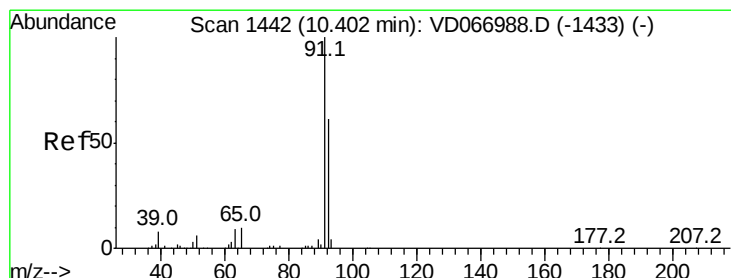
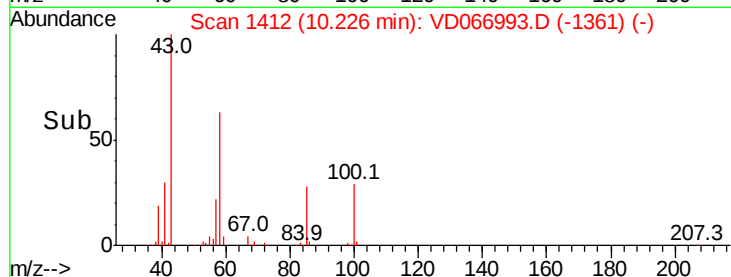
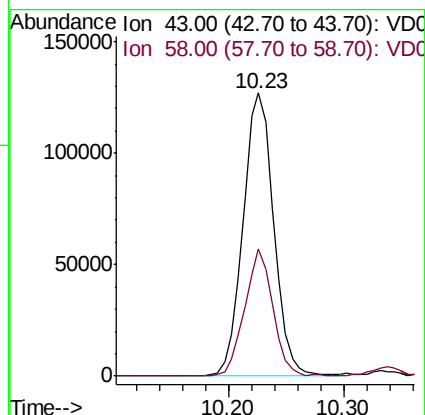
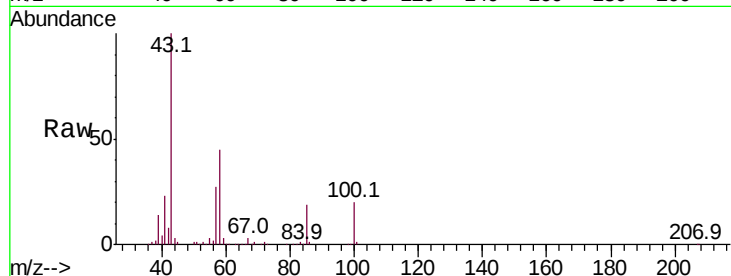
VD1001SBS01

Tot Ion: 43 Resp: 234186

Ion Ratio Lower Upper

43 100

58 41.2 33.8 50.8



#52

Toluene

Concen: 21.380 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066993.D

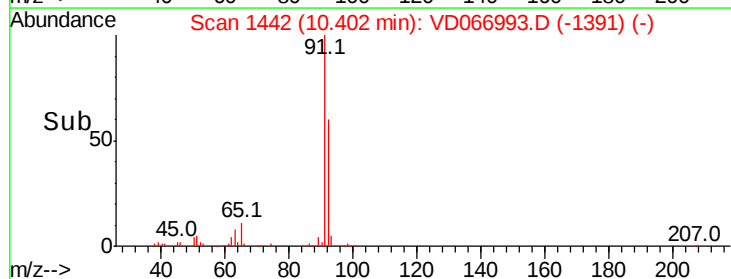
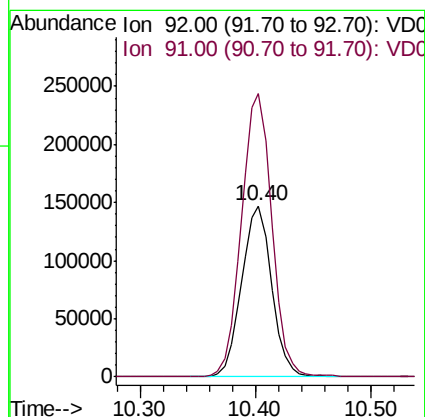
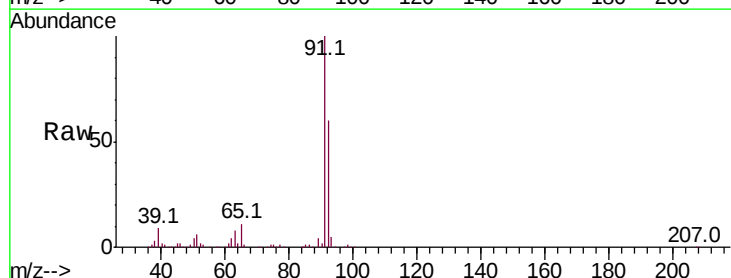
Acq: 01 Oct 2020 15:30

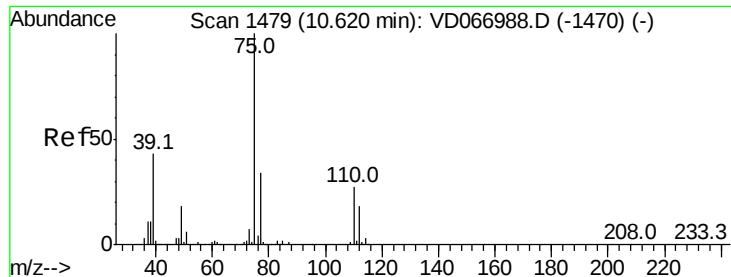
Tgt Ion: 92 Resp: 266918

Ion Ratio Lower Upper

92 100

91 167.7 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 20.673 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

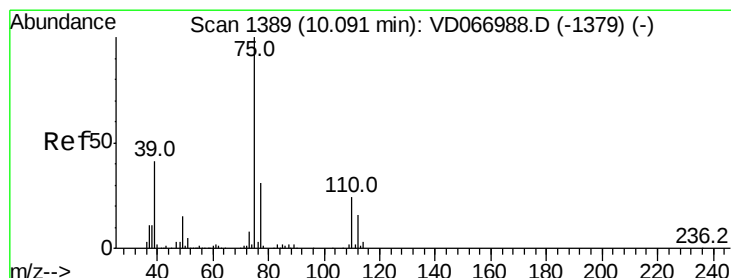
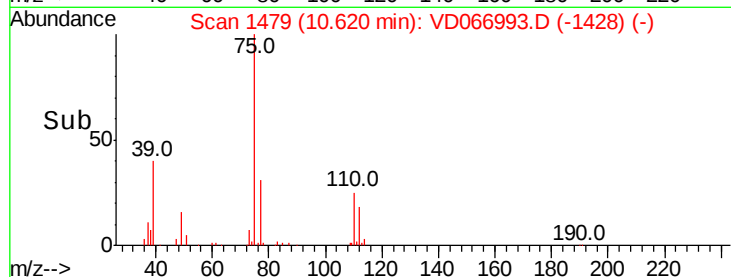
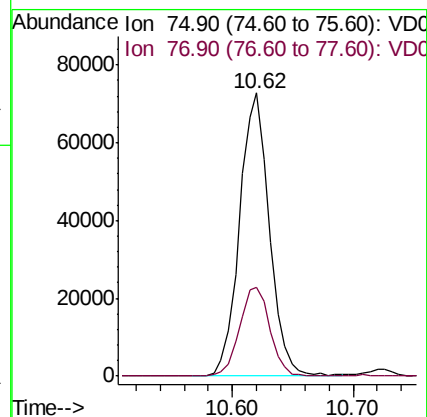
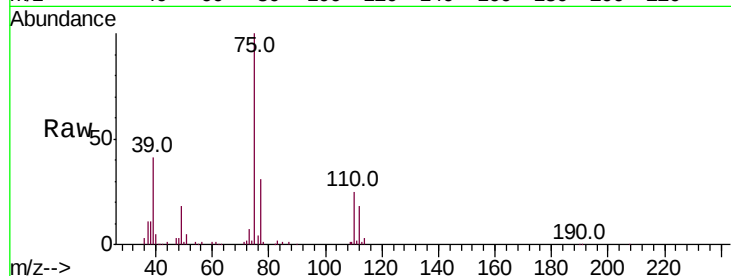
VD1001SBS01

Tot Ion: 75 Resp: 125702

Ion Ratio Lower Upper

75 100

77 31.4 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 20.378 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

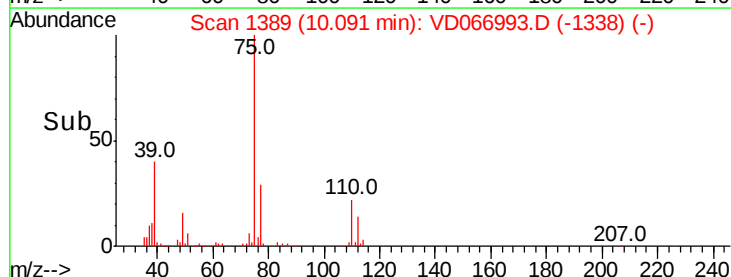
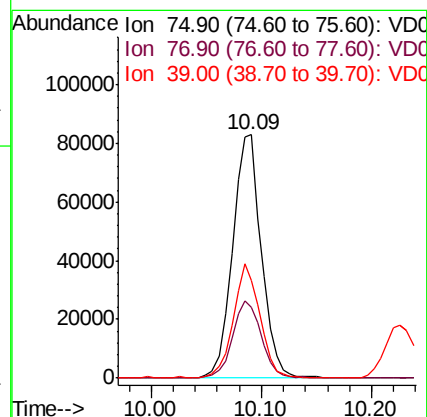
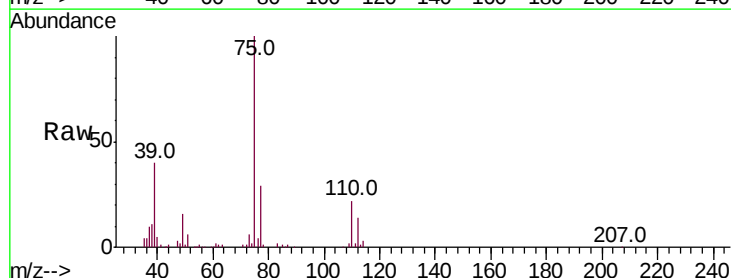
Tgt Ion: 75 Resp: 151308

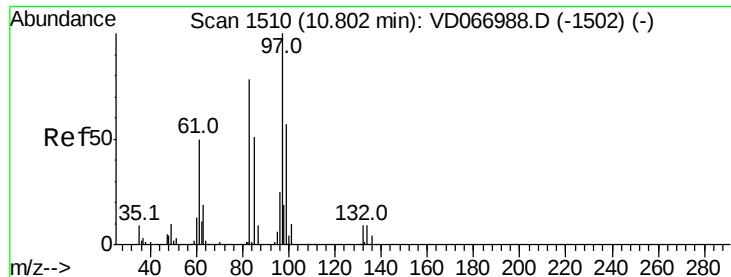
Ion Ratio Lower Upper

75 100

77 29.0 24.6 37.0

39 39.9 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 20.549 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

Tot Ion: 97 Resp: 74773

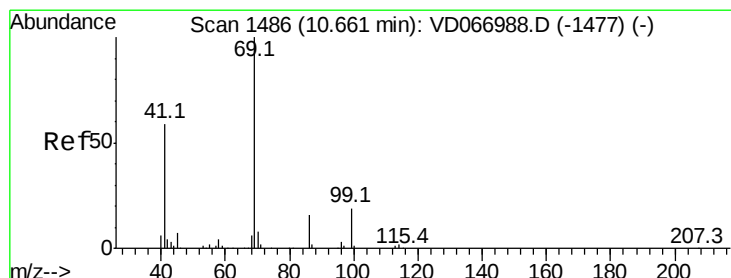
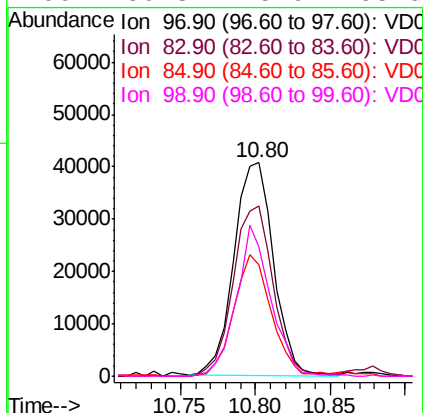
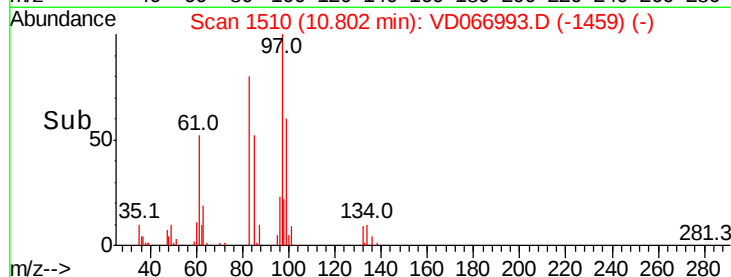
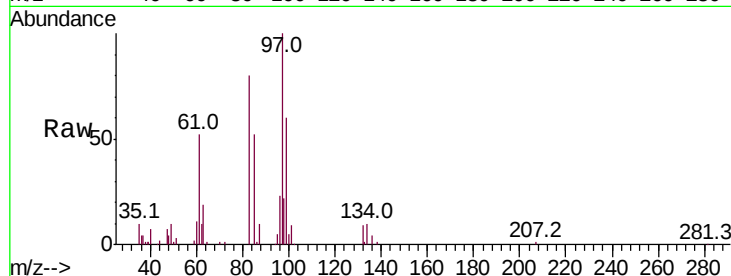
Ion	Ratio	Lower	Upper
97	100		
83	80.2	62.4	93.6
85	52.6	41.0	61.4
99	60.8	45.9	68.9

97 100

83 80.2 62.4 93.6

85 52.6 41.0 61.4

99 60.8 45.9 68.9



#56

Ethyl methacrylate

Concen: 21.036 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

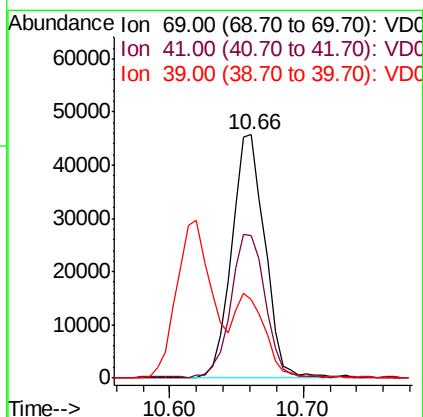
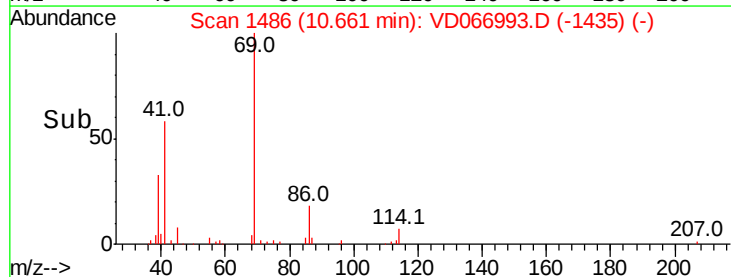
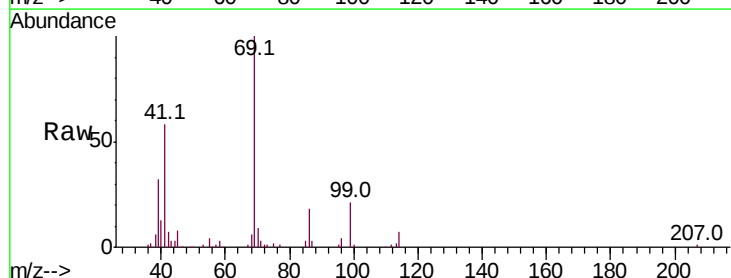
Tgt Ion: 69 Resp: 79031

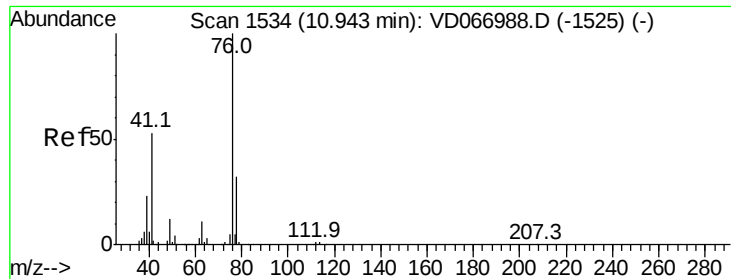
Ion	Ratio	Lower	Upper
69	100		
41	61.6	46.4	69.6
39	30.3	23.8	35.6

69 100

41 61.6 46.4 69.6

39 30.3 23.8 35.6

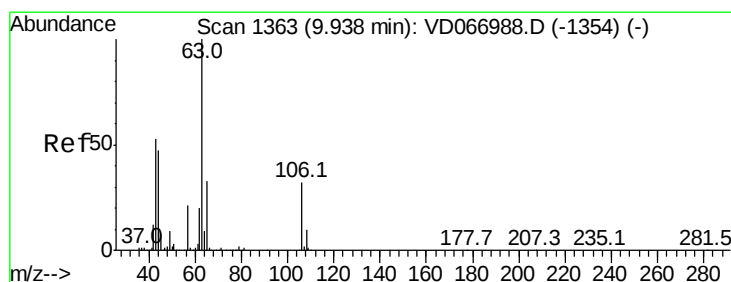
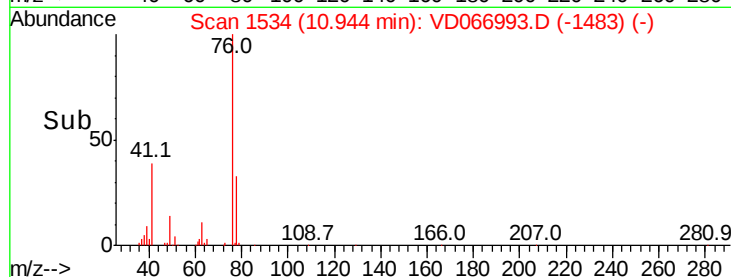
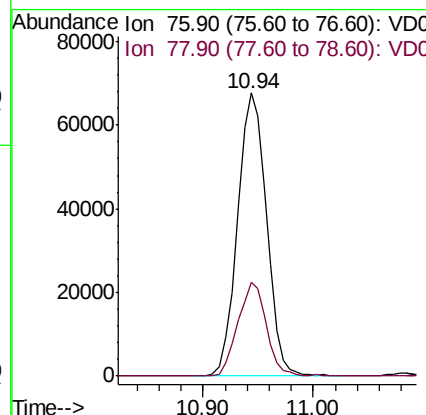
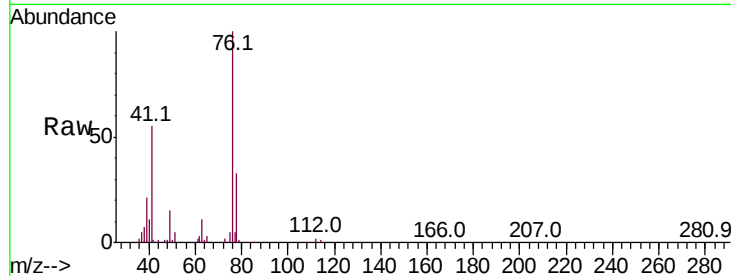




#57
 1,3-Dichloropropane
 Concen: 21.190 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

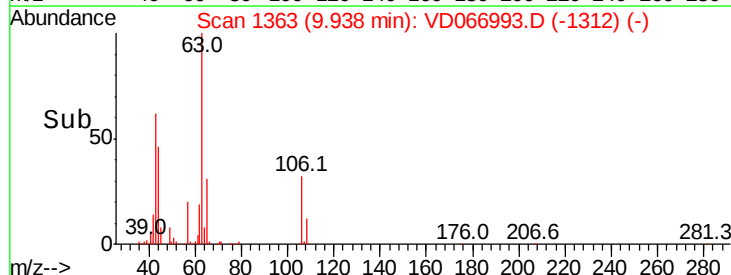
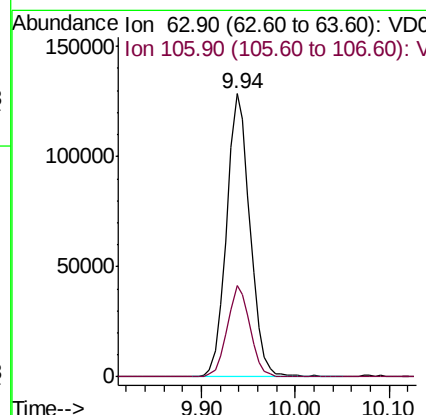
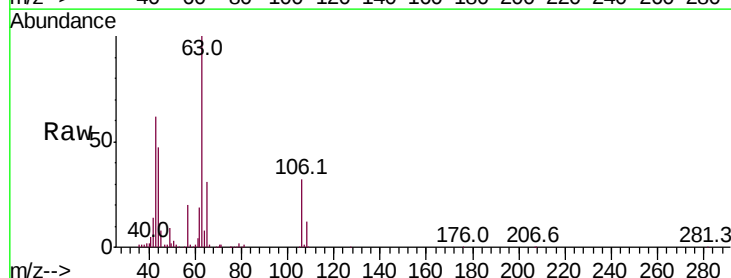
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

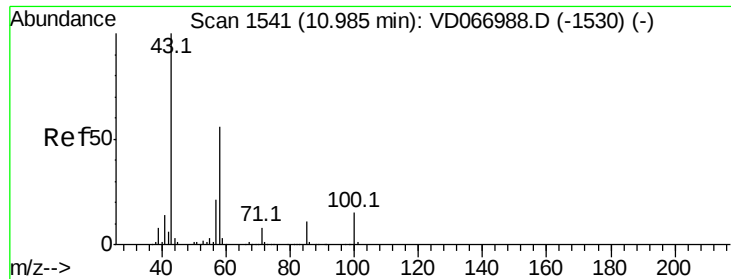
Tot Ion: 76 Resp: 125040
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.343 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 63 Resp: 222365
 Ion Ratio Lower Upper
 63 100
 106 31.3 25.3 37.9

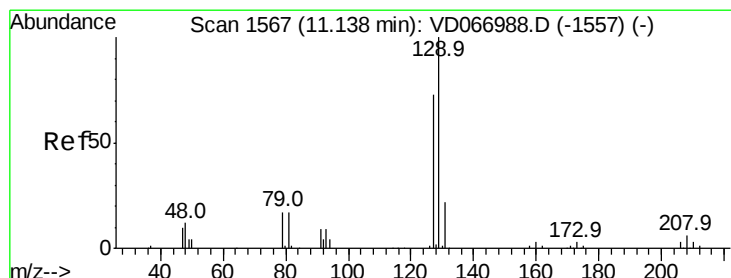
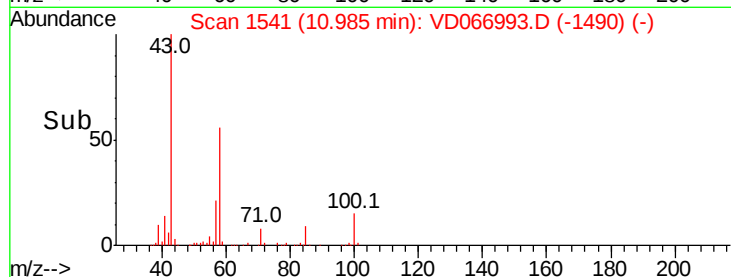
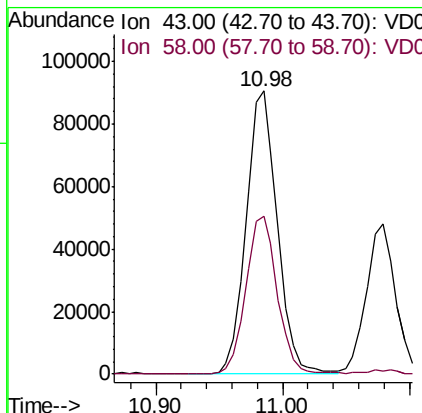
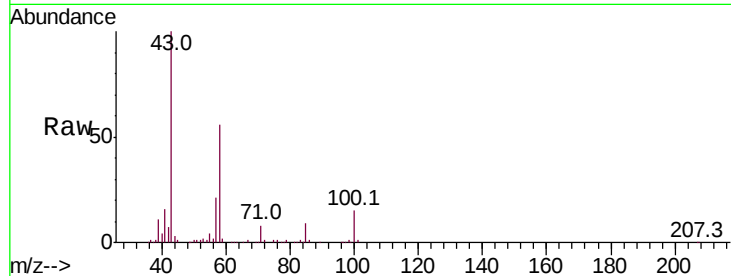




#59
2-Hexanone
Concen: 104.778 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

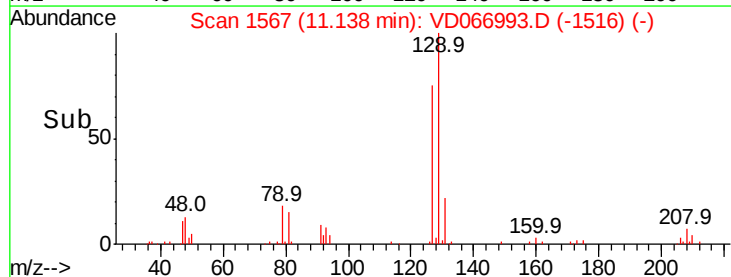
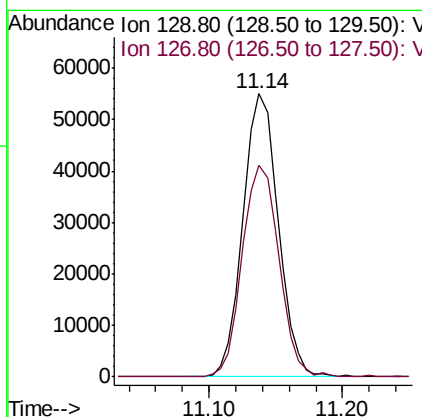
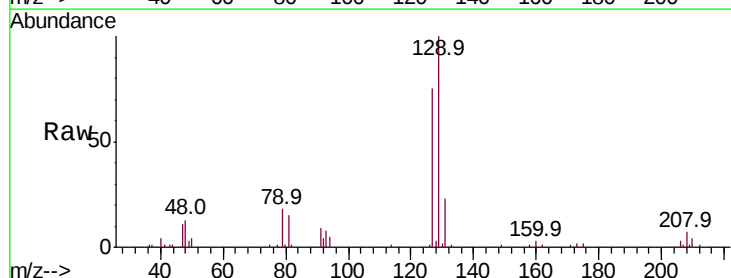
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

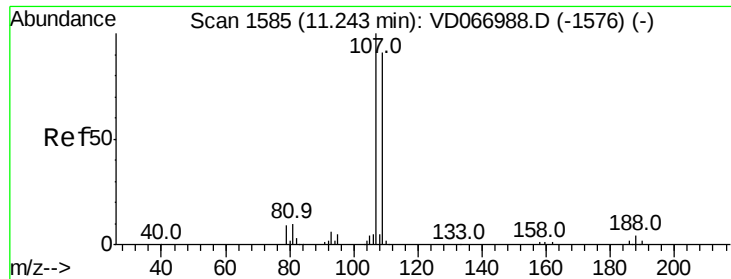
Tot Ion: 43 Resp: 155118
Ion Ratio Lower Upper
43 100
58 56.2 28.3 84.9



#60
Dibromochloromethane
Concen: 20.738 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 129 Resp: 100576
Ion Ratio Lower Upper
129 100
127 77.9 37.4 112.1

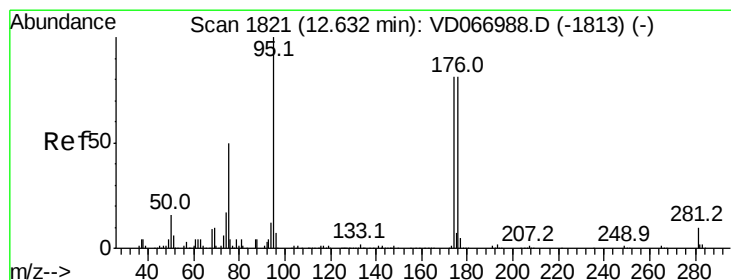
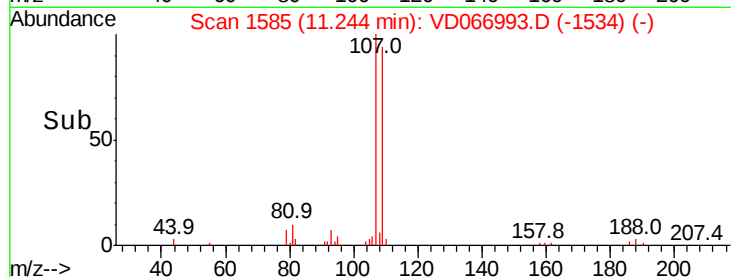
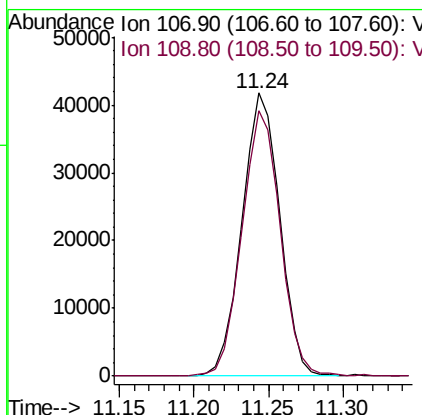
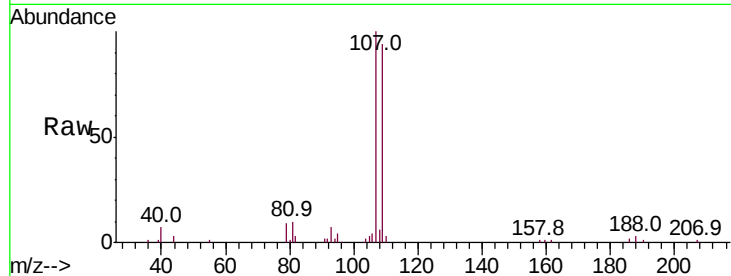




#61
 1,2-Dibromoethane
 Concen: 20.892 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

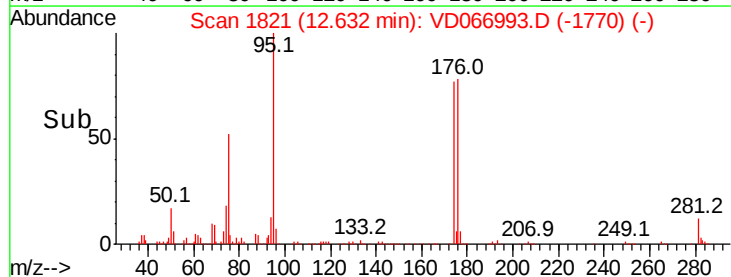
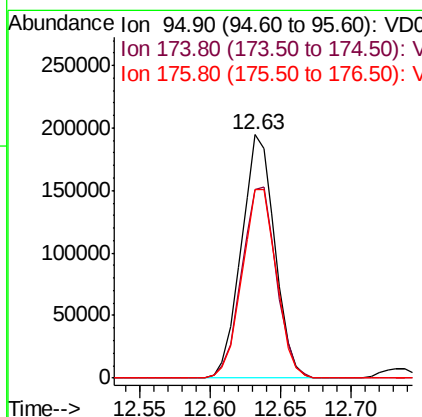
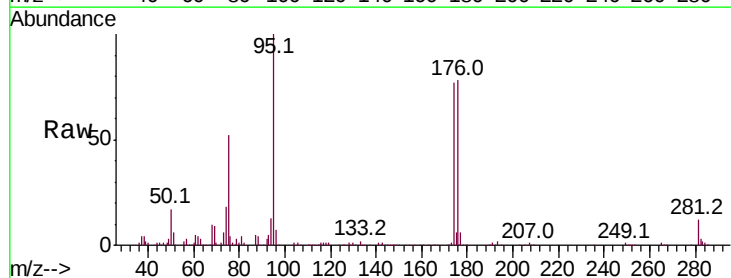
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

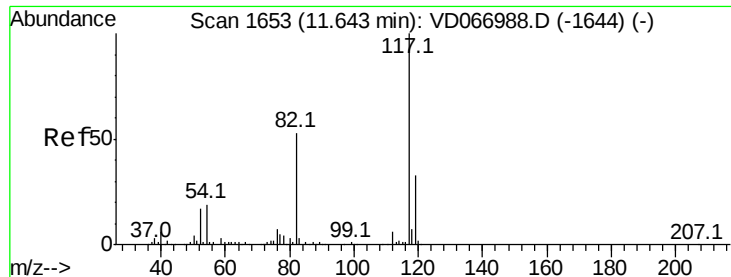
Tot Ion:107 Resp: 73036
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 53.172 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion: 95 Resp: 322351
 Ion Ratio Lower Upper
 95 100
 174 81.3 0.0 167.6
 176 79.8 0.0 162.4

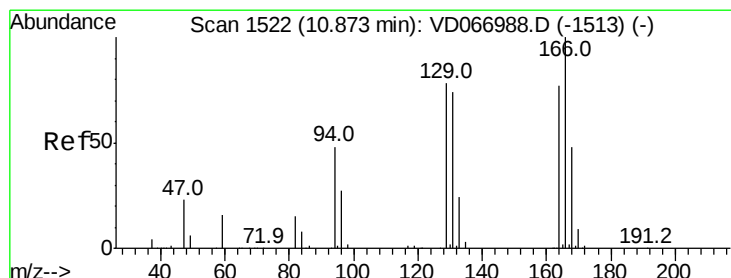
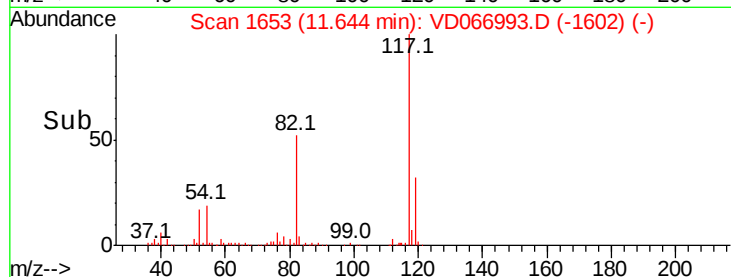
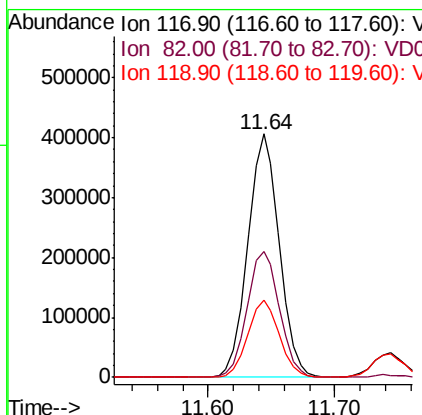
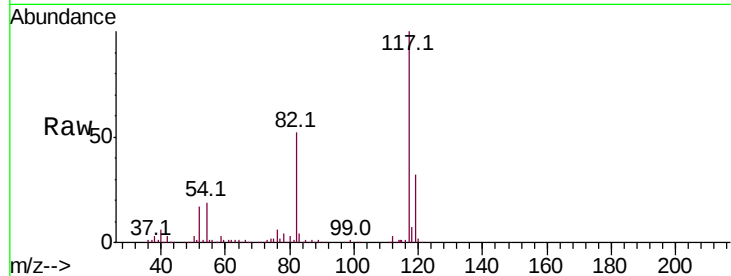




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

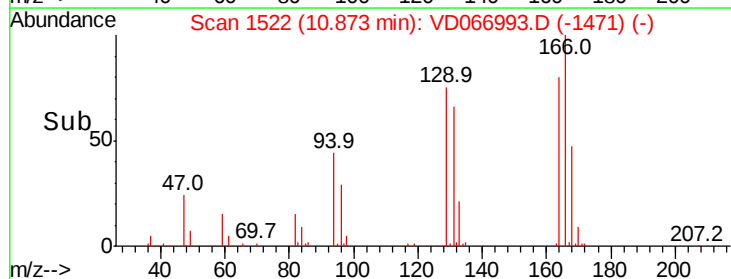
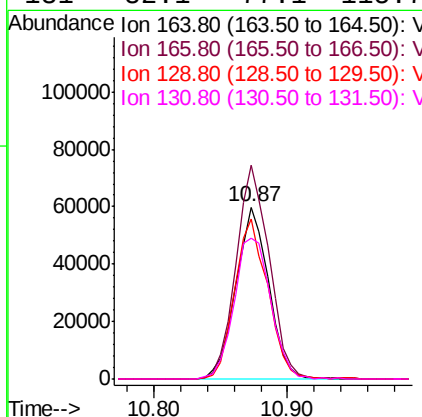
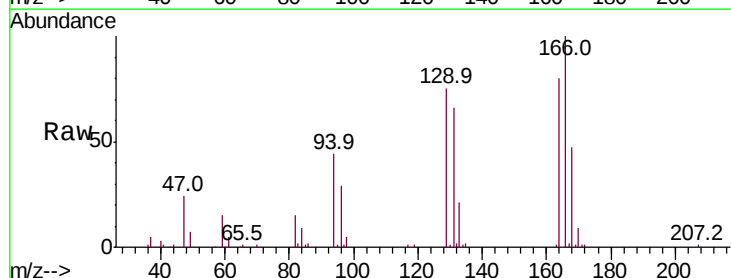
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

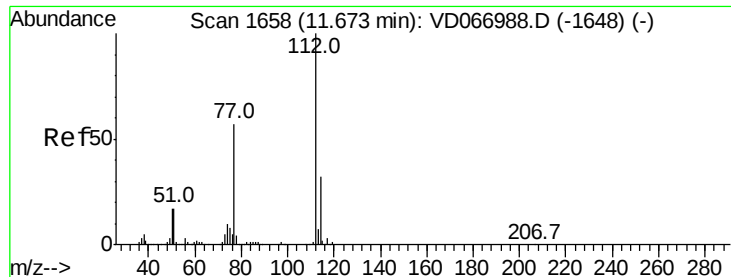
Tot Ion:117 Resp: 700799
Ion Ratio Lower Upper
117 100
82 51.9 42.6 63.8
119 31.8 26.3 39.5



#64
Tetrachloroethene
Concen: 19.991 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion:164 Resp: 101852
Ion Ratio Lower Upper
164 100
166 124.2 104.4 156.6
129 93.1 81.3 121.9
131 82.1 77.1 115.7





#65

Chlorobenzene

Concen: 20.165 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

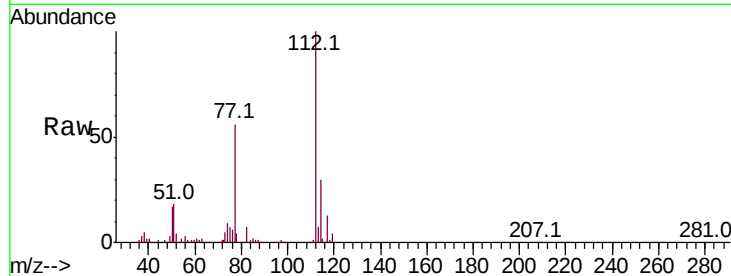
VD1001SBS01

Tot Ion:112 Resp: 281065

Ion Ratio Lower Upper

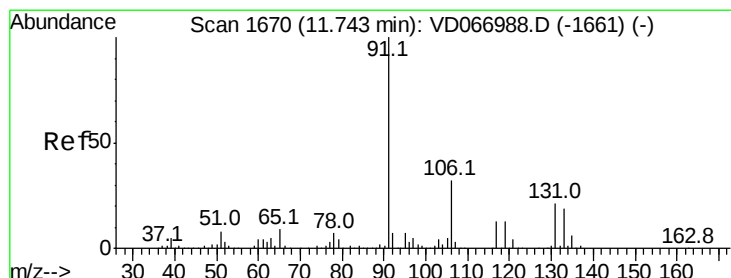
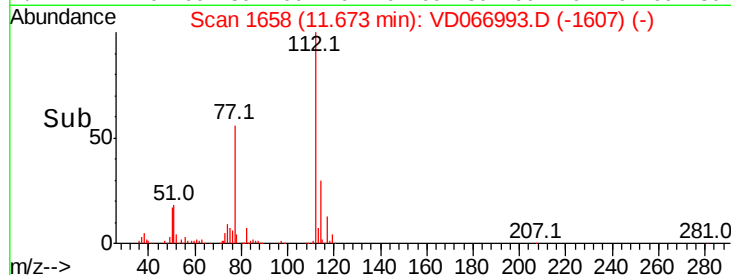
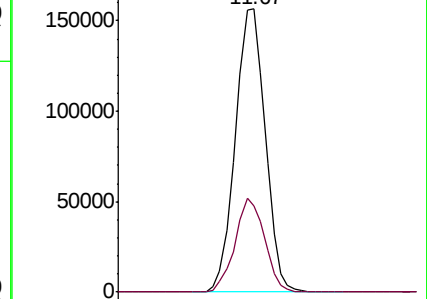
112 100

114 30.5 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

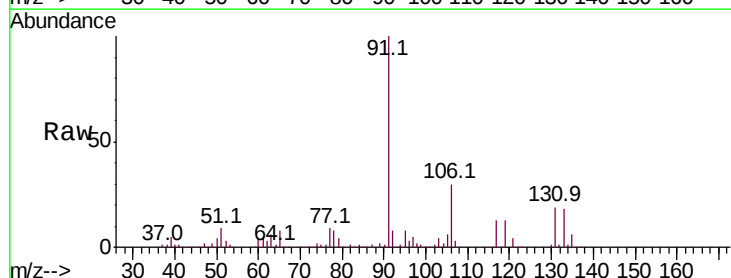
Tgt Ion:131 Resp: 105851

Ion Ratio Lower Upper

131 100

133 95.3 47.8 143.3

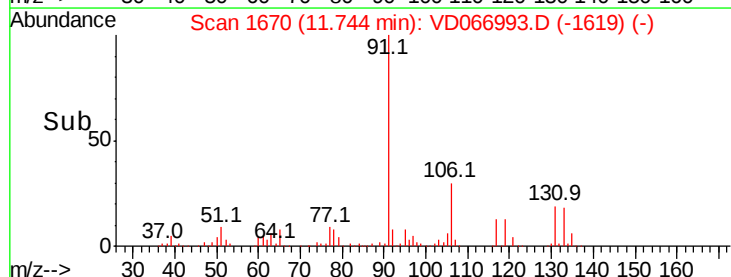
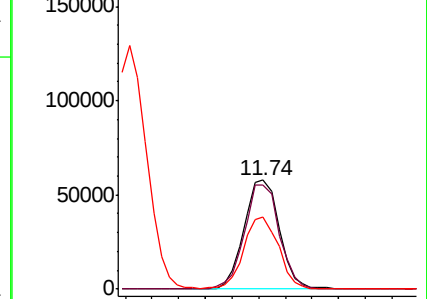
119 65.4 32.3 96.8

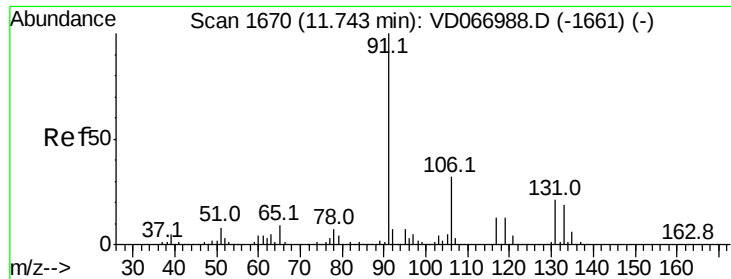


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

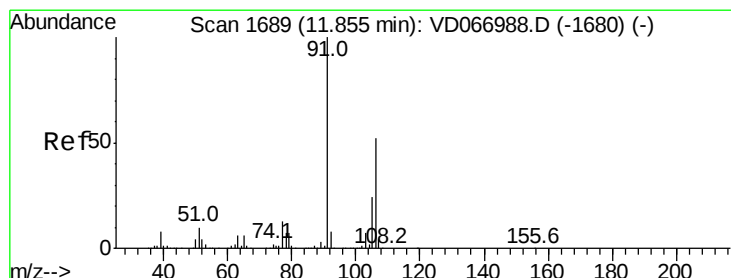
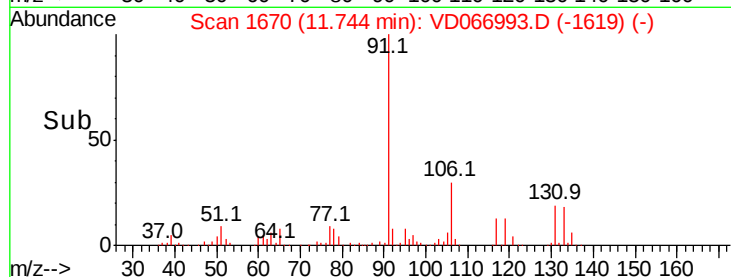
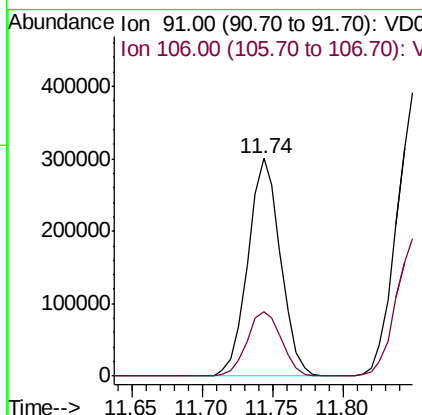
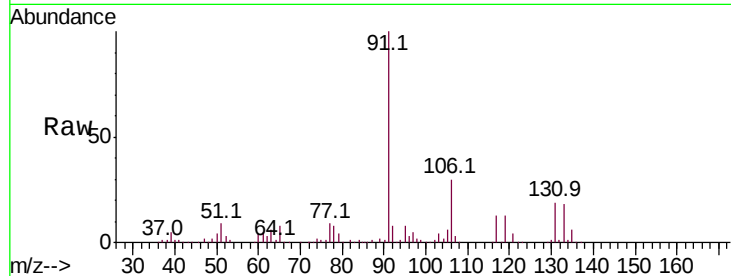




#67
Ethyl Benzene
Concen: 20.418 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

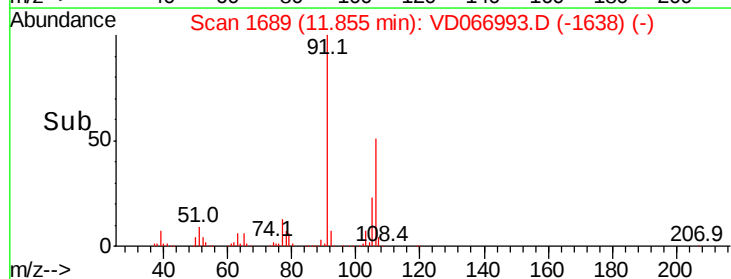
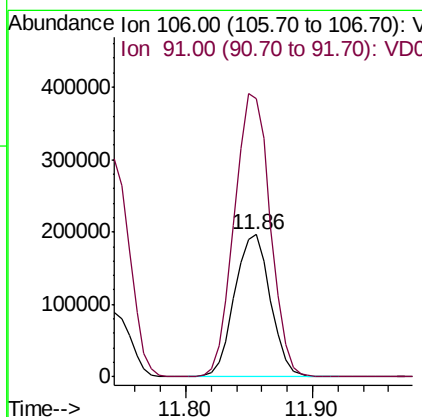
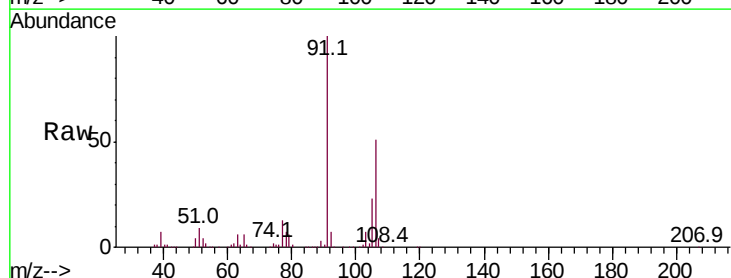
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

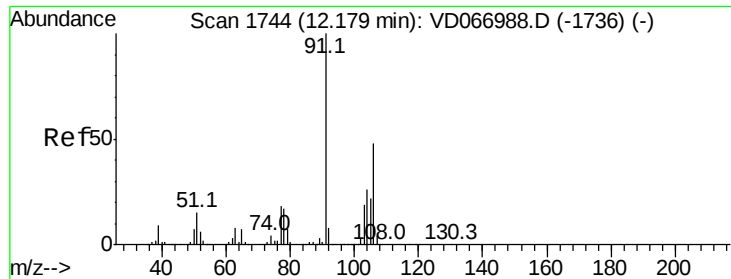
Tot Ion: 91 Resp: 487610
Ion Ratio Lower Upper
91 100
106 29.7 25.4 38.2



#68
m/p-Xylenes
Concen: 41.313 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 106 Resp: 384500
Ion Ratio Lower Upper
106 100
91 199.9 158.4 237.6

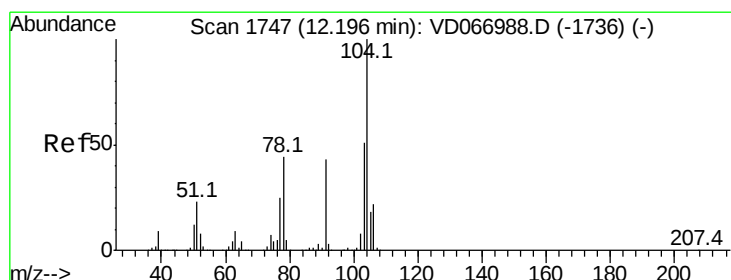
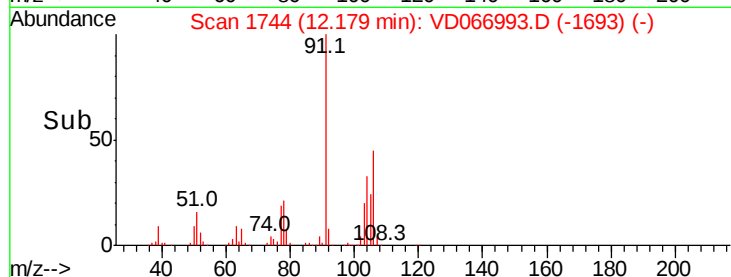
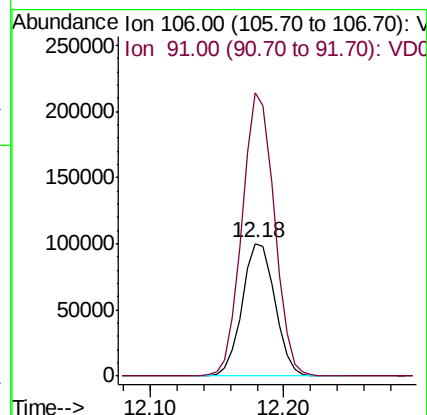
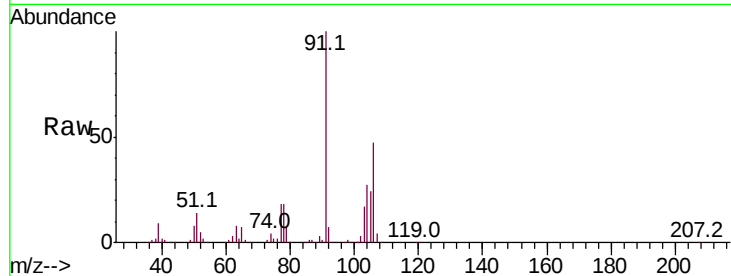




#69
o-Xylene
Concen: 20.467 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

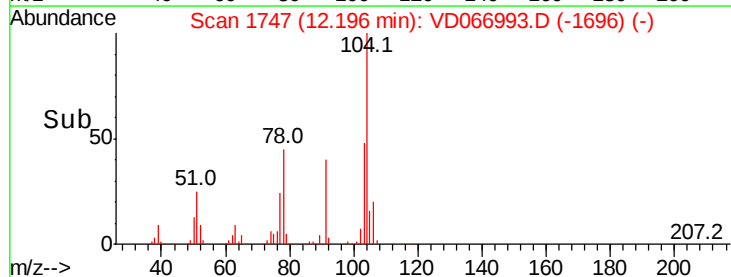
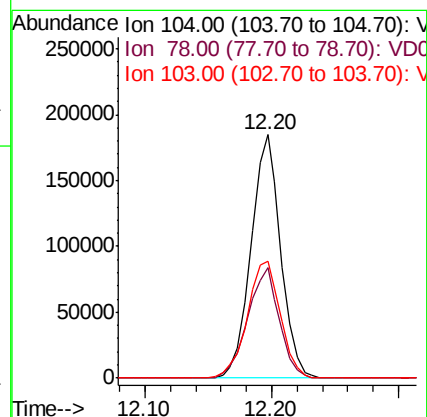
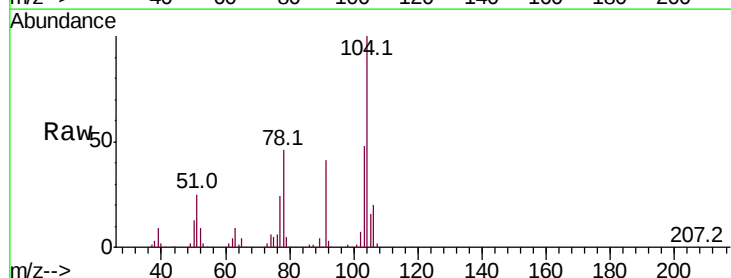
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

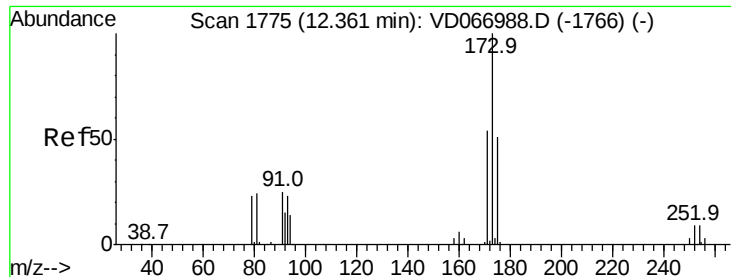
Tot Ion:106 Resp: 170337
Ion Ratio Lower Upper
106 100
91 210.4 102.4 307.2



#70
Styrene
Concen: 20.989 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion:104 Resp: 299969
Ion Ratio Lower Upper
104 100
78 48.2 38.6 58.0
103 53.6 43.4 65.0

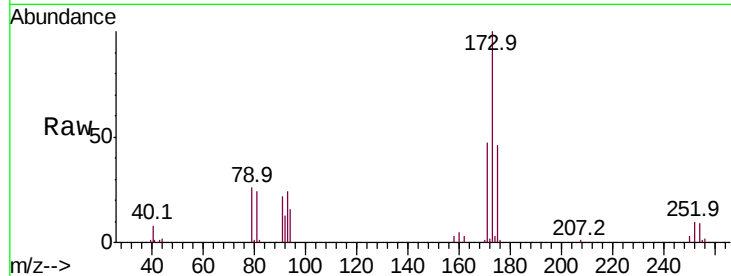




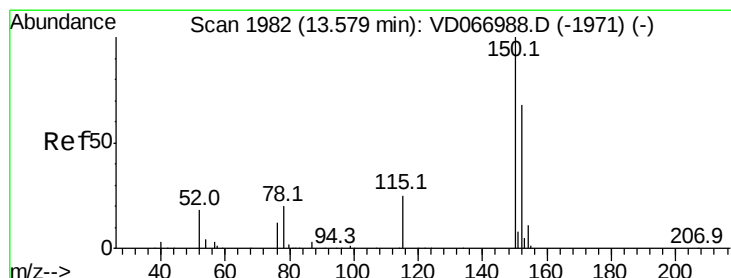
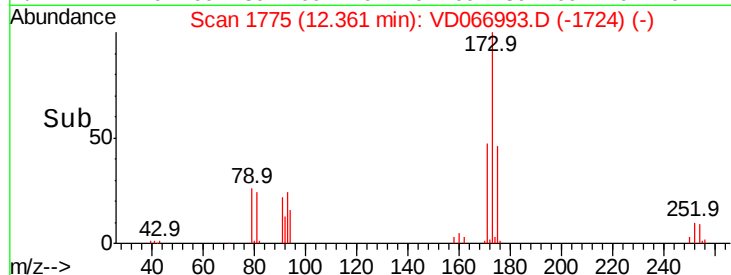
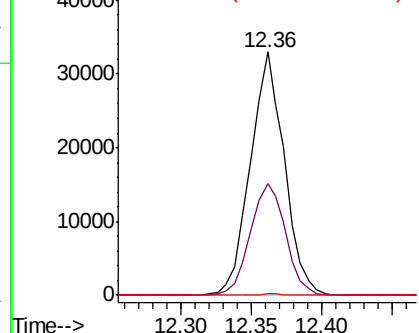
#71
Bromoform
Concen: 20.204 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

Tot Ion:173 Resp: 55604
Ion Ratio Lower Upper
173 100
175 47.4 24.9 74.7
254 0.2 0.2 0.4

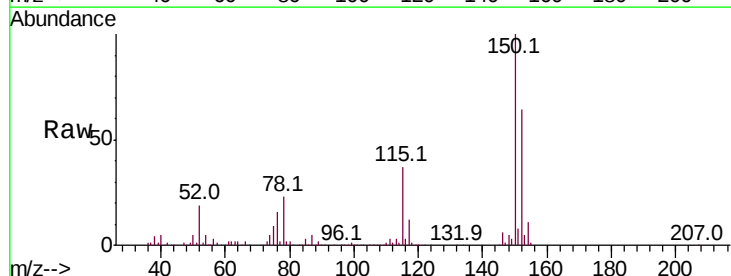


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

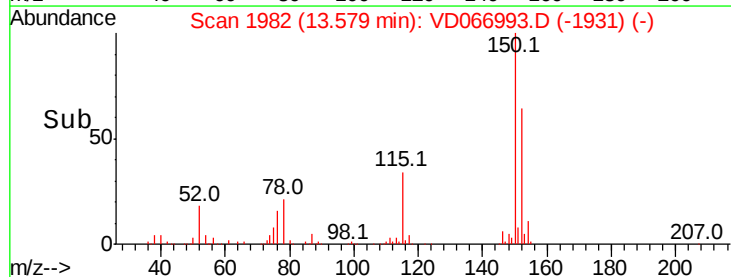
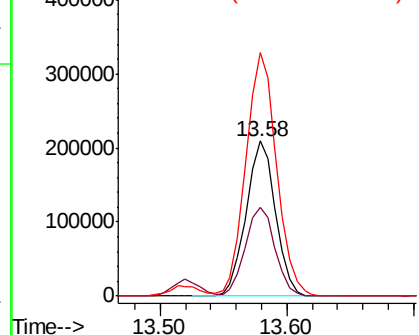


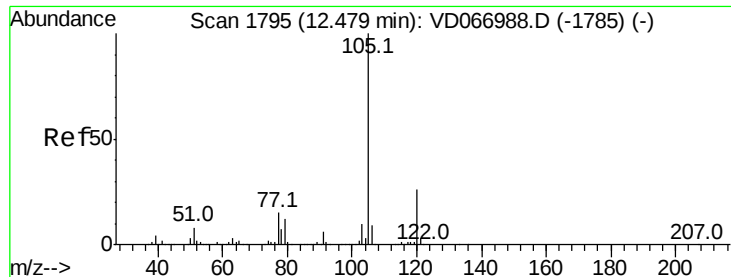
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion:152 Resp: 337655
Ion Ratio Lower Upper
152 100
115 58.2 29.6 88.8
150 163.8 0.0 344.8



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





#73

Isopropylbenzene

Concen: 20.203 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

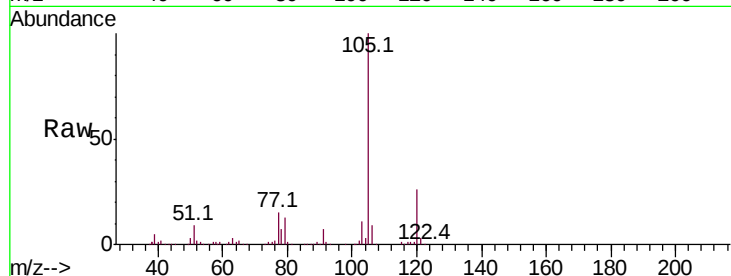
VD1001SBS01

Tot Ion:105 Resp: 463205

Ion Ratio Lower Upper

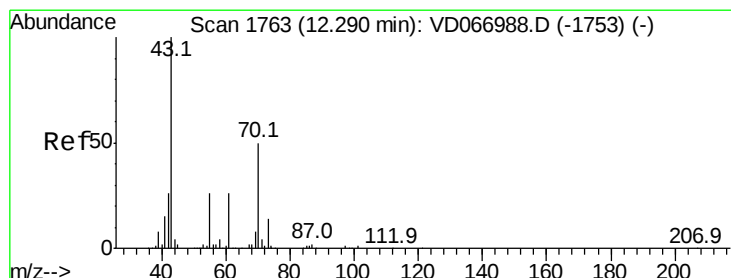
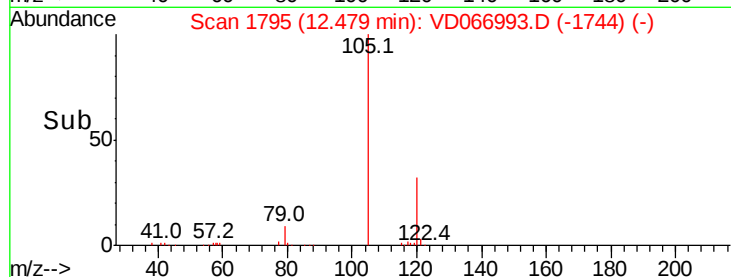
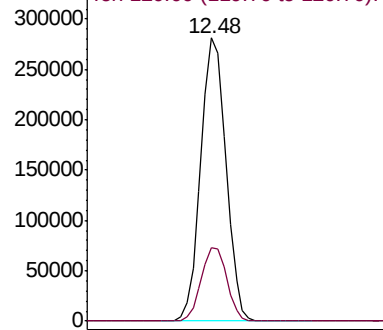
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.038 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion: 43 Resp: 82589

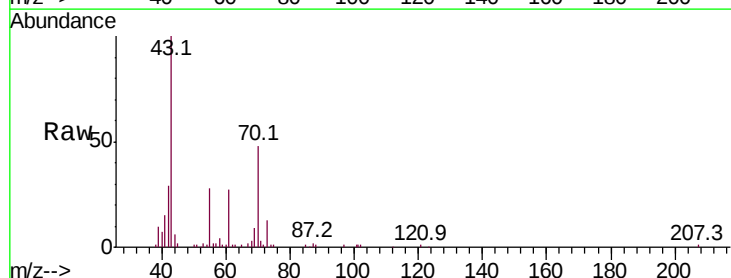
Ion Ratio Lower Upper

43 100

70 47.8 38.2 57.2

55 28.4 22.4 33.6

61 26.7 20.6 31.0

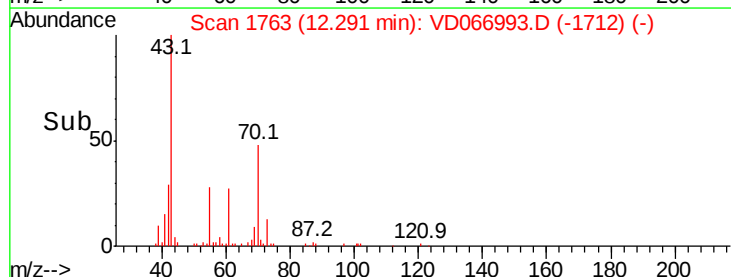
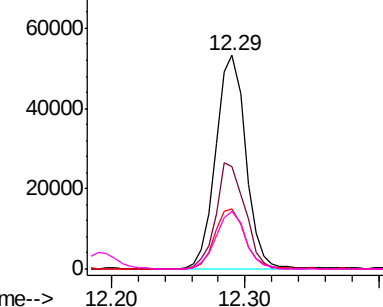


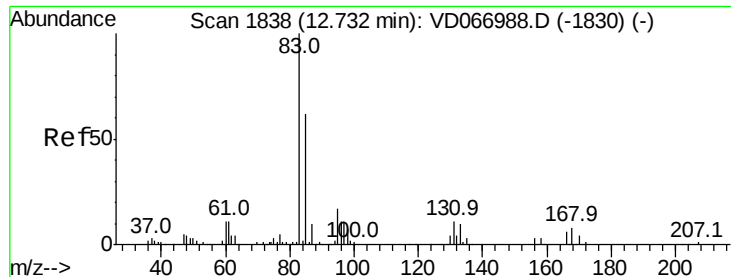
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

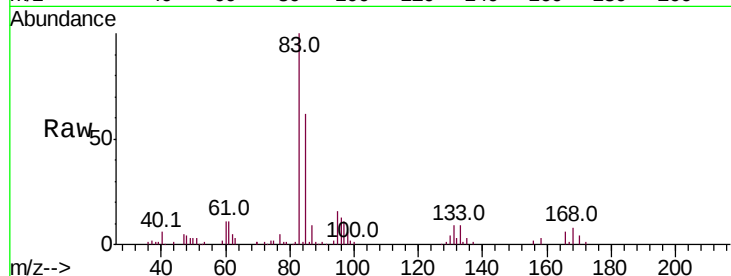
Tot Ion: 83 Resp: 77530

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.7	17.0
85	63.0	32.0	96.2

83 100

131 11.2 5.7 17.0

85 63.0 32.0 96.2



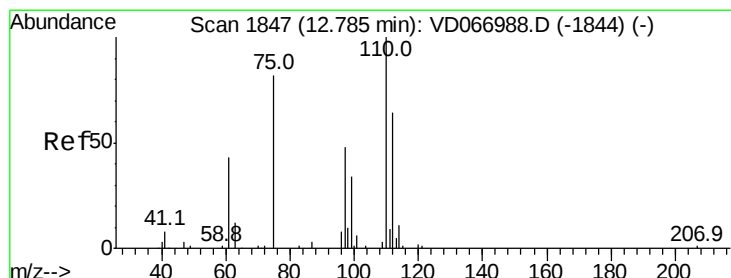
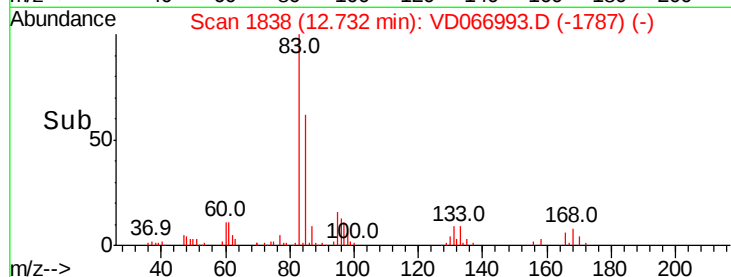
Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

12.73

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.743 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066993.D

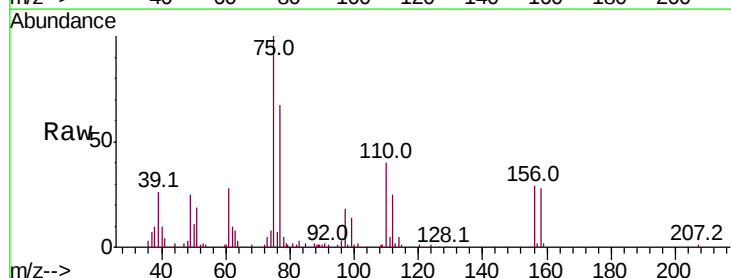
Acq: 01 Oct 2020 15:30

Tgt Ion: 75 Resp: 99242

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

120000

100000

80000

60000

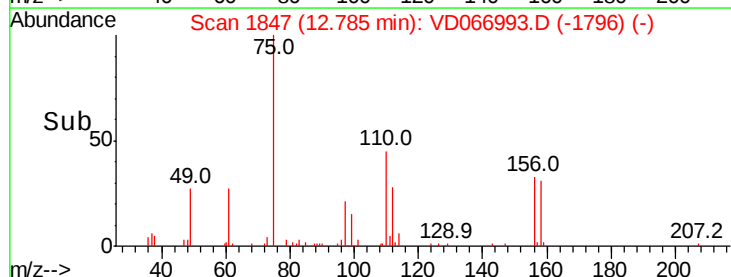
40000

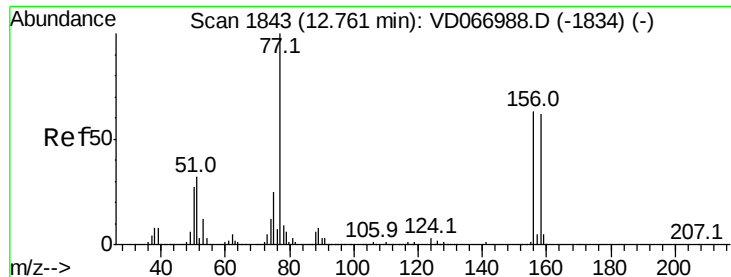
20000

0

12.78

Time-->





#77

Bromobenzene

Concen: 20.364 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

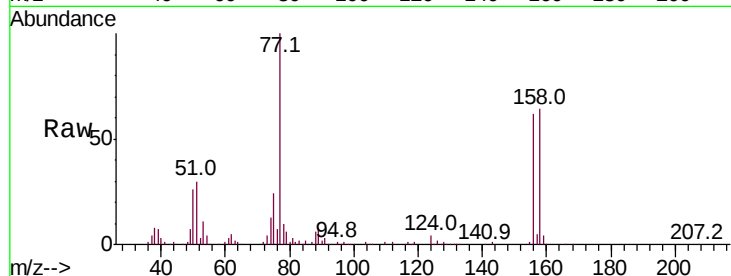
Tot Ion:156 Resp: 112736

Ion Ratio Lower Upper

156 100

77 174.8 86.3 258.8

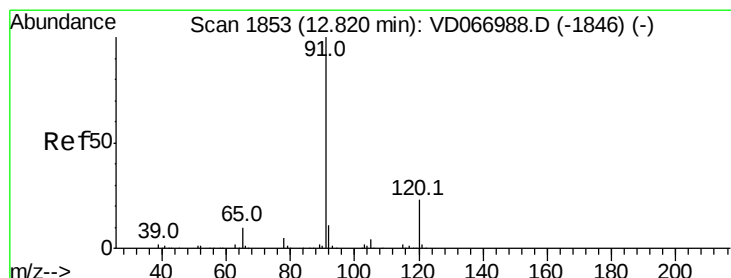
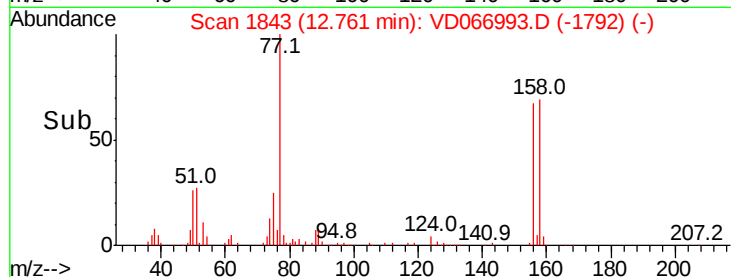
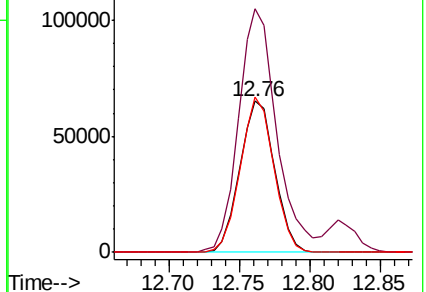
158 98.8 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): V

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 20.576 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066993.D

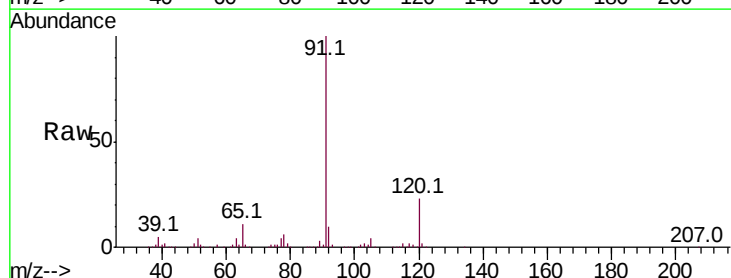
Acq: 01 Oct 2020 15:30

Tgt Ion: 91 Resp: 557522

Ion Ratio Lower Upper

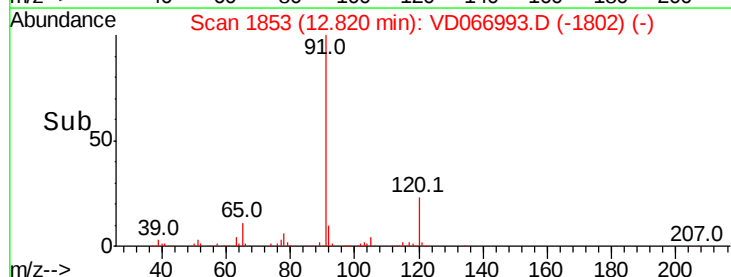
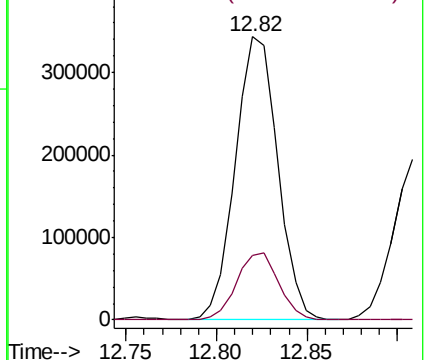
91 100

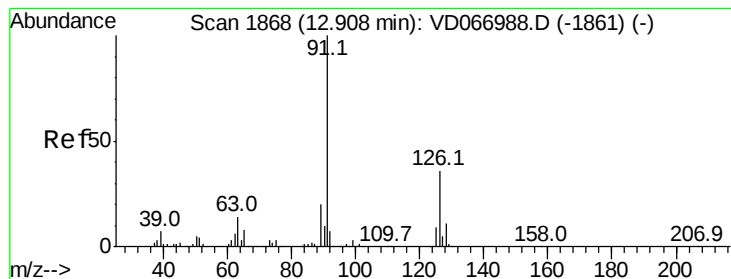
120 23.7 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.30): V

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 20.410 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

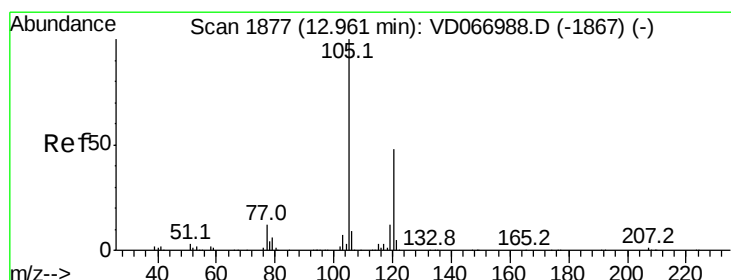
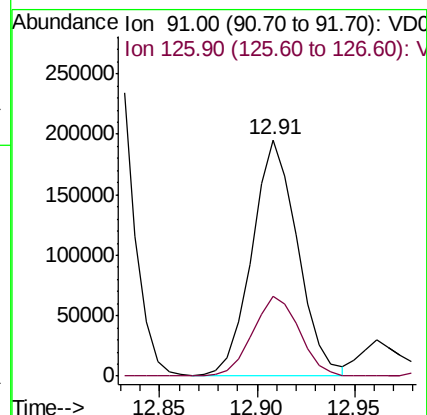
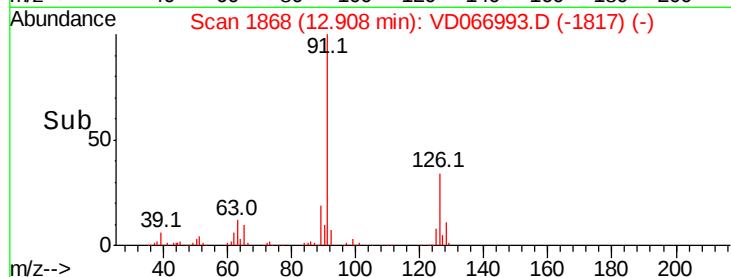
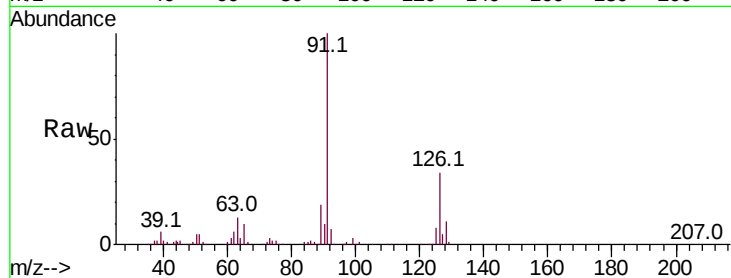
VD1001SBS01

Tot Ion: 91 Resp: 316410

Ion Ratio Lower Upper

91 100

126 34.7 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.643 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066993.D

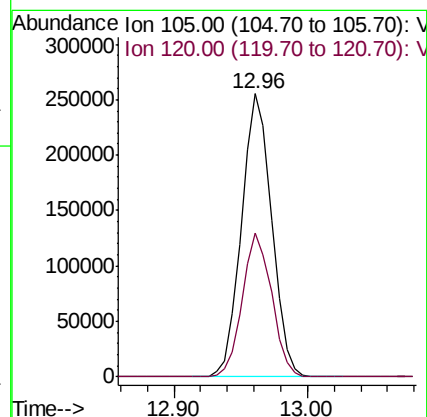
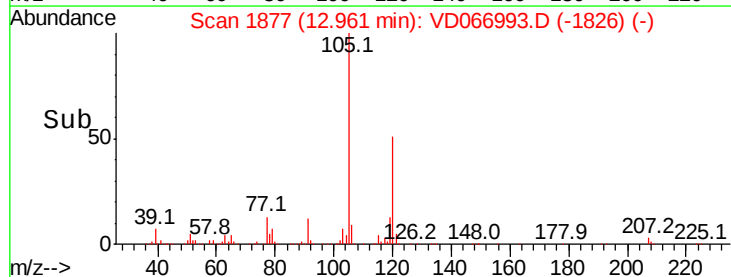
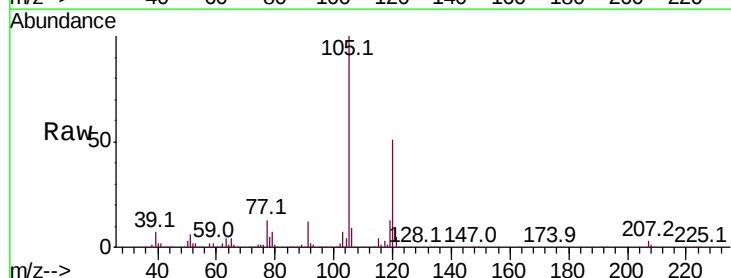
Acq: 01 Oct 2020 15:30

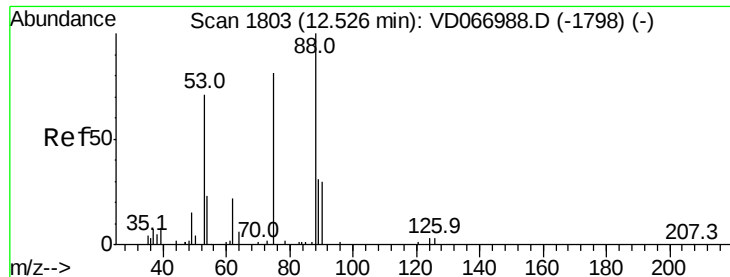
Tgt Ion: 105 Resp: 399867

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.135 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

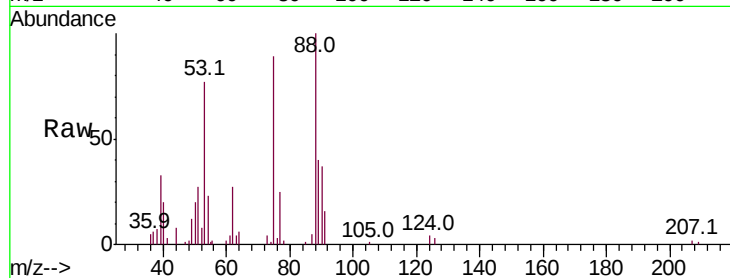
Tot Ion: 75 Resp: 24933

Ion Ratio Lower Upper

75 100

53 84.2 73.8 110.6

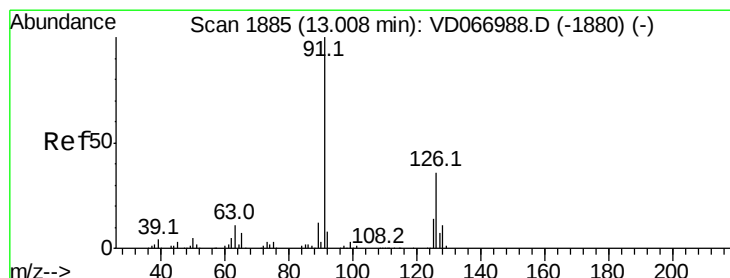
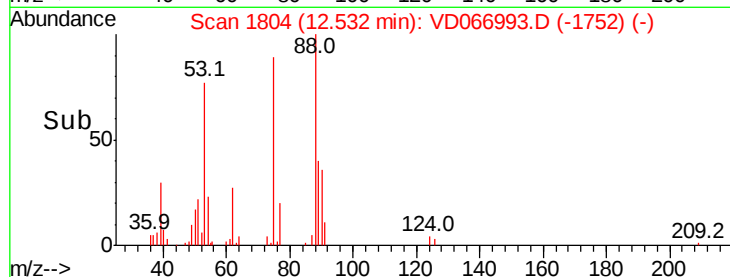
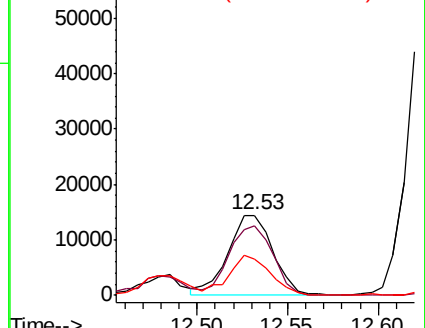
89 45.4 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 20.559 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD066993.D

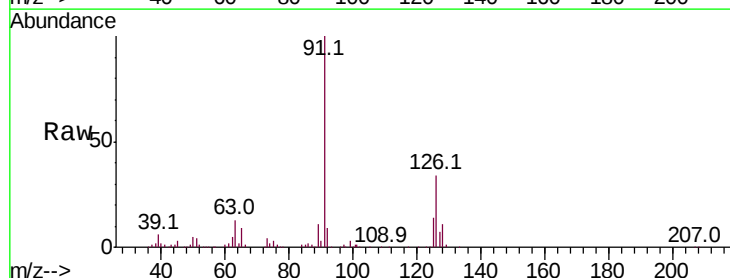
Acq: 01 Oct 2020 15:30

Tgt Ion: 91 Resp: 339106

Ion Ratio Lower Upper

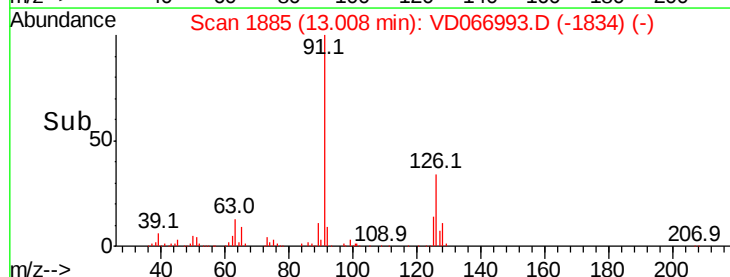
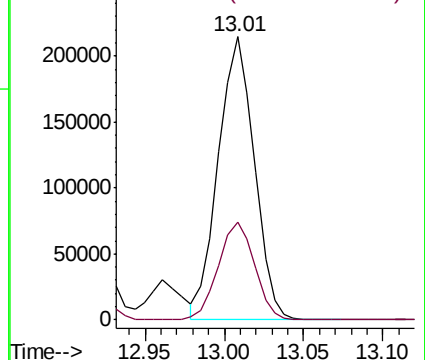
91 100

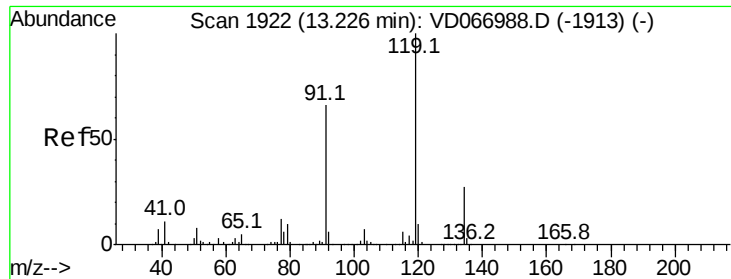
126 34.8 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

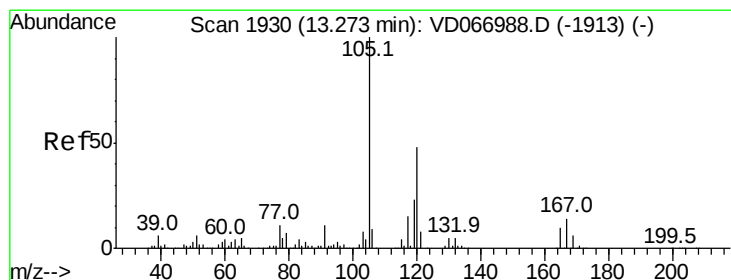
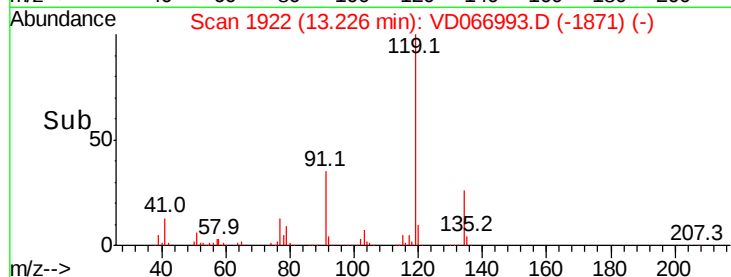
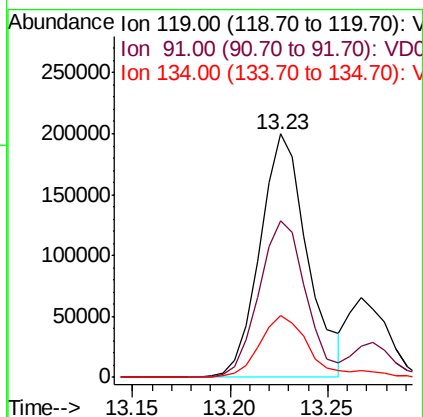
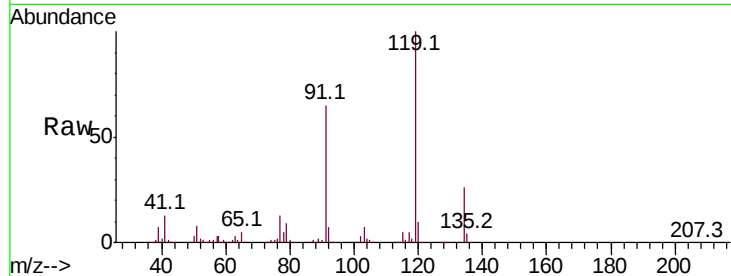




#83
tert-Butylbenzene
Concen: 20.623 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

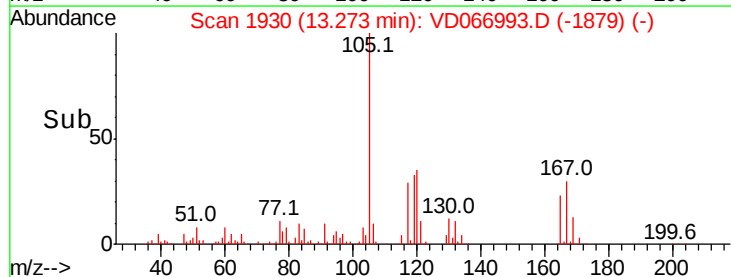
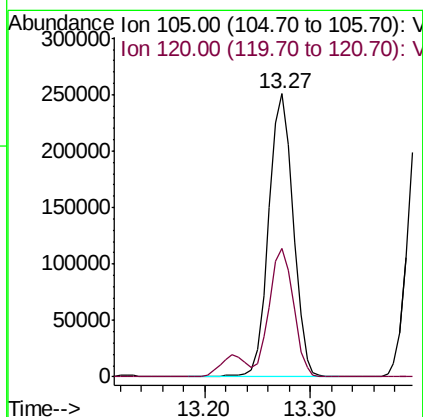
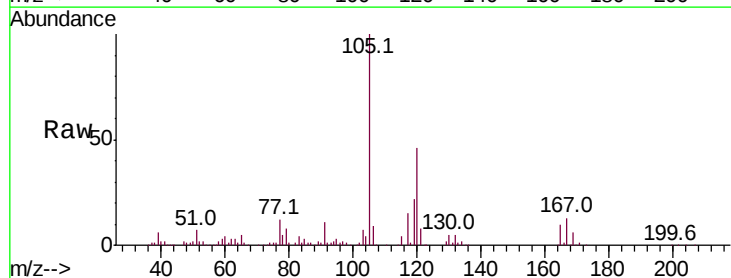
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

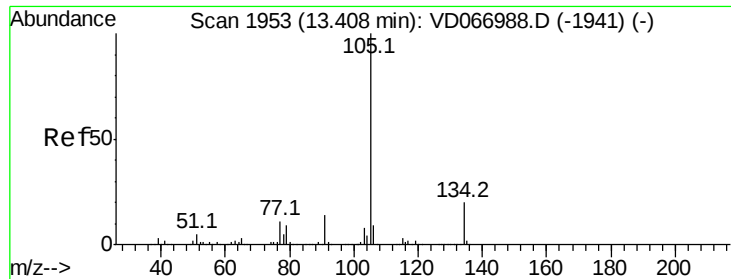
Tot Ion:119 Resp: 336412
Ion Ratio Lower Upper
119 100
91 63.7 32.8 98.3
134 27.1 13.9 41.7



#84
1,2,4-Trimethylbenzene
Concen: 20.805 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion:105 Resp: 402190
Ion Ratio Lower Upper
105 100
120 44.9 23.3 69.8





#85

sec-Butylbenzene

Concen: 20.403 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

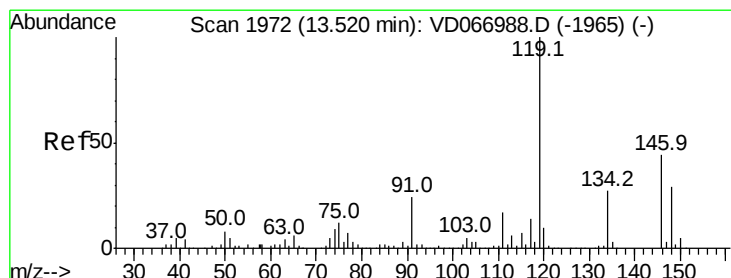
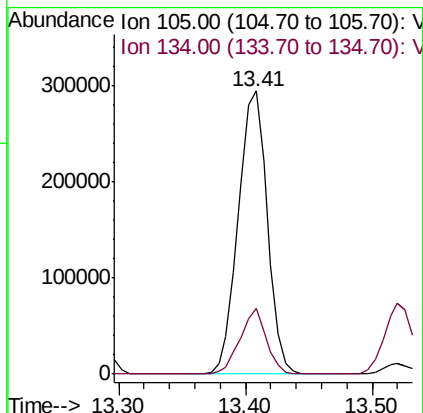
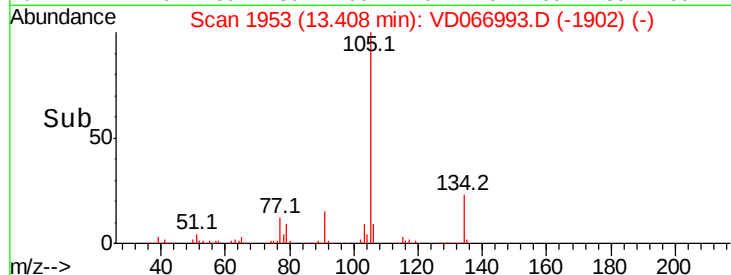
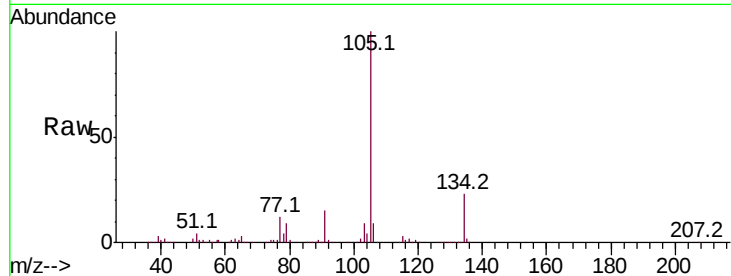
VD1001SBS01

Tot Ion:105 Resp: 468688

Ion Ratio Lower Upper

105 100

134 21.2 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.624 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

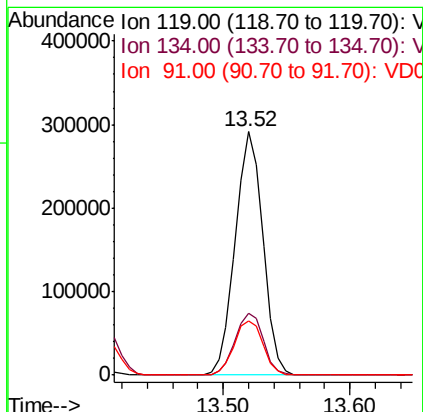
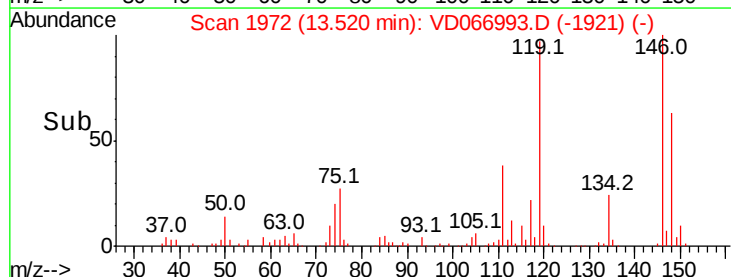
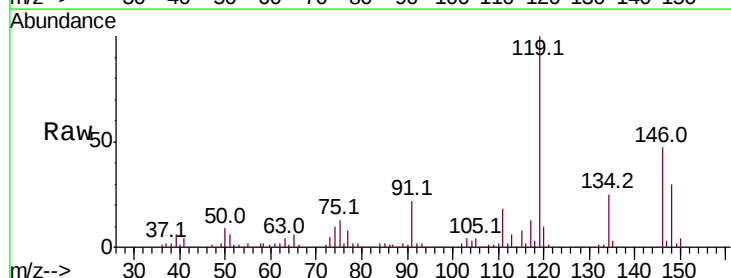
Tgt Ion:119 Resp: 439224

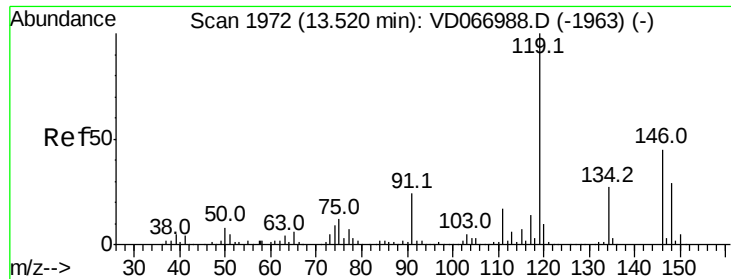
Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.1

91 23.0 11.7 35.1

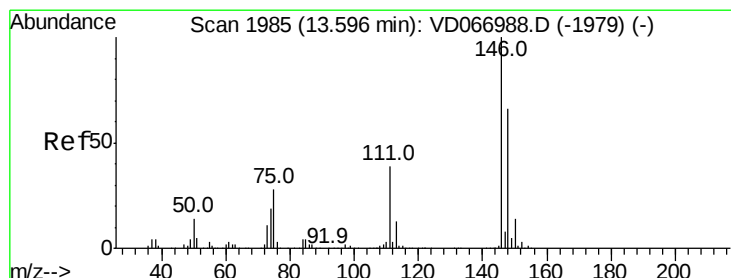
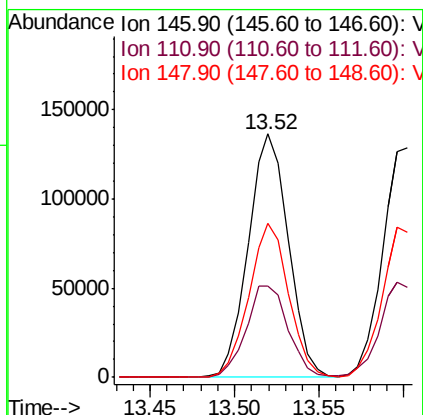
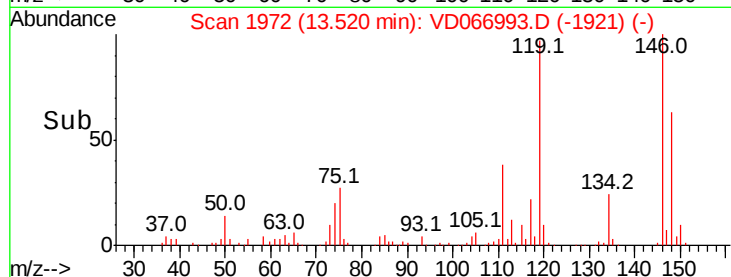
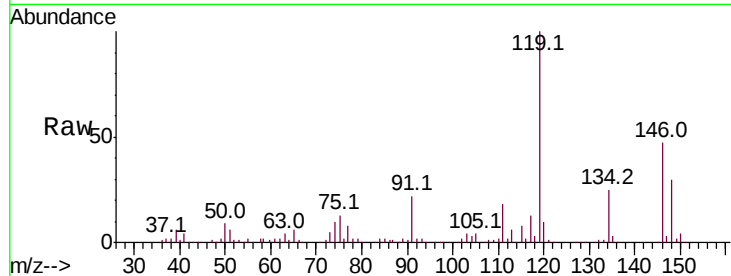




#87
 1,3-Dichlorobenzene
 Concen: 20.938 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

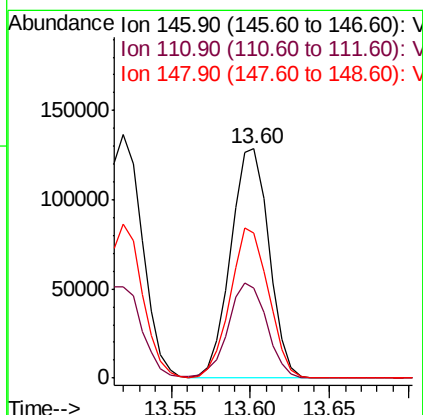
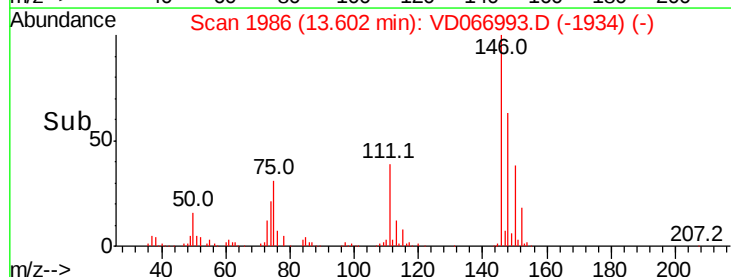
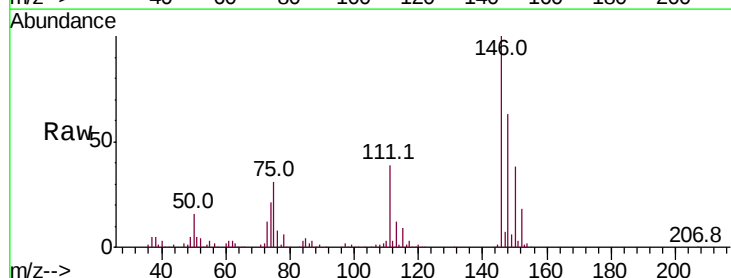
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

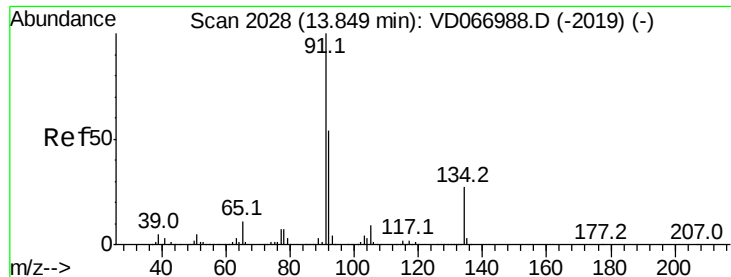
Tot Ion:146 Resp: 225786
 Ion Ratio Lower Upper
 146 100
 111 39.3 20.0 60.0
 148 62.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.043 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion:146 Resp: 216109
 Ion Ratio Lower Upper
 146 100
 111 41.8 19.6 58.7
 148 65.3 32.6 97.7

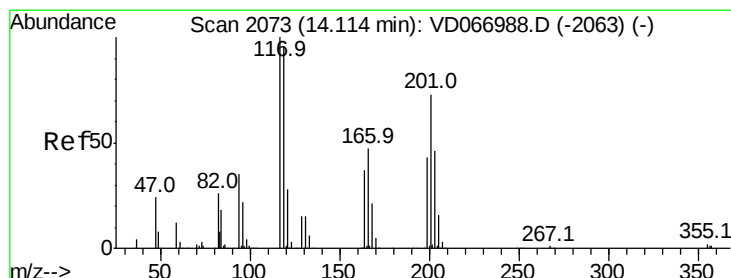
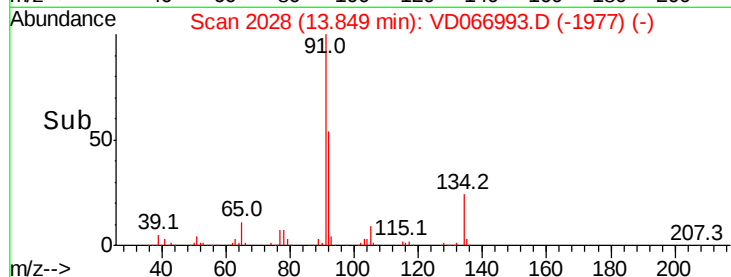
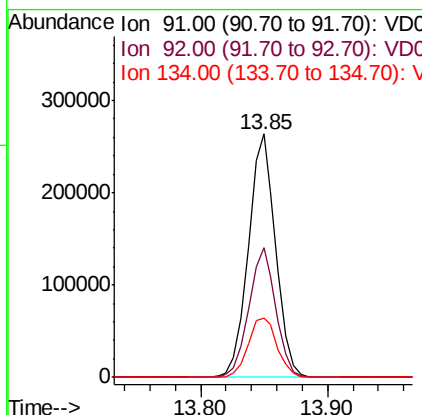
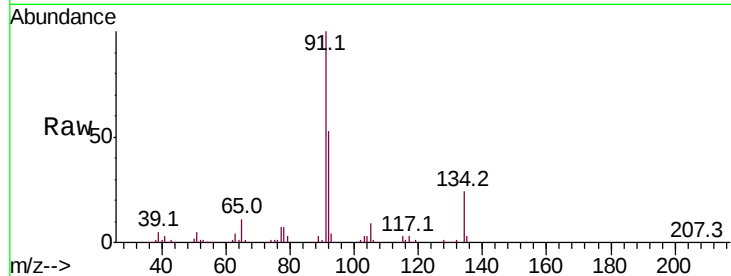




#89
n-Butylbenzene
Concen: 20.101 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

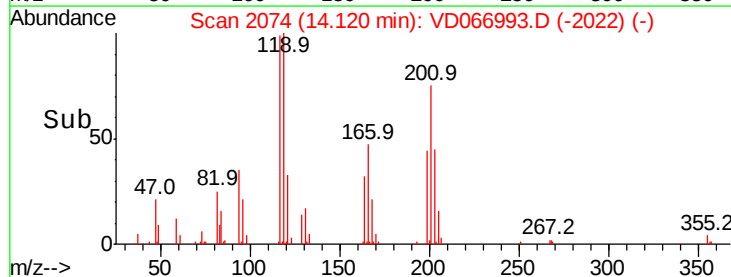
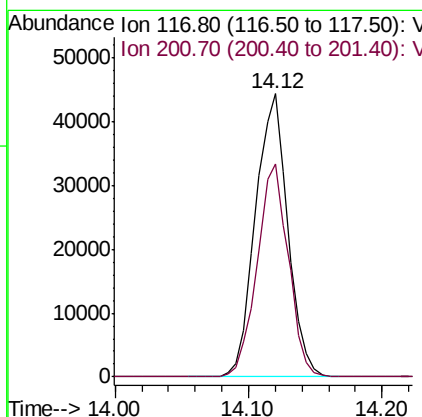
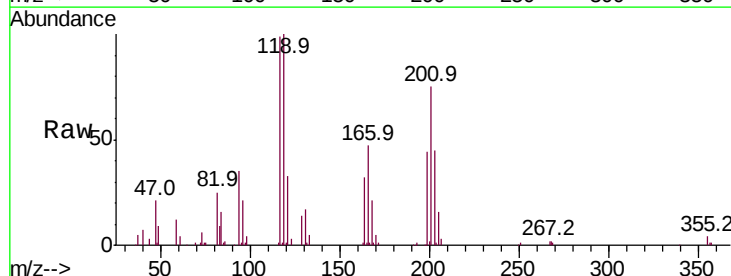
Instrument :
MSVOA_D
ClientSampleId :
VD1001SBS01

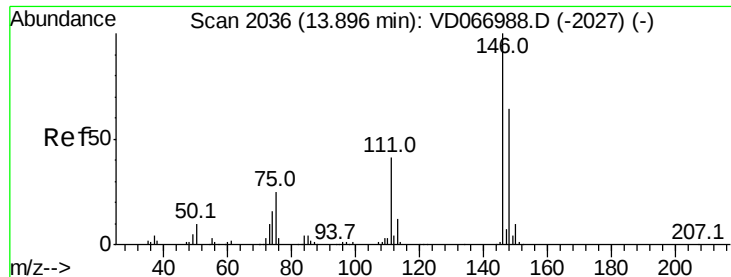
Tot Ion: 91 Resp: 391247
Ion Ratio Lower Upper
91 100
92 52.8 27.1 81.2
134 26.1 13.6 40.8



#90
Hexachloroethane
Concen: 19.837 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD066993.D
Acq: 01 Oct 2020 15:30

Tgt Ion: 117 Resp: 74002
Ion Ratio Lower Upper
117 100
201 72.8 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 20.240 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

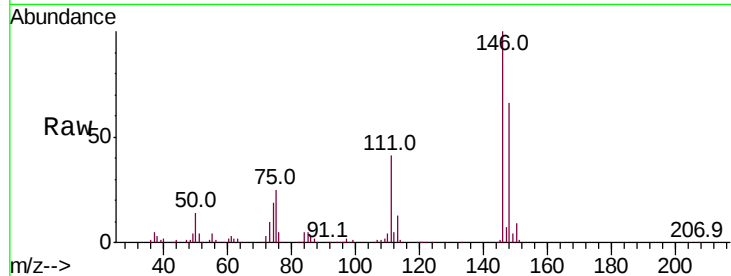
Tot Ion:146 Resp: 190608

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.7

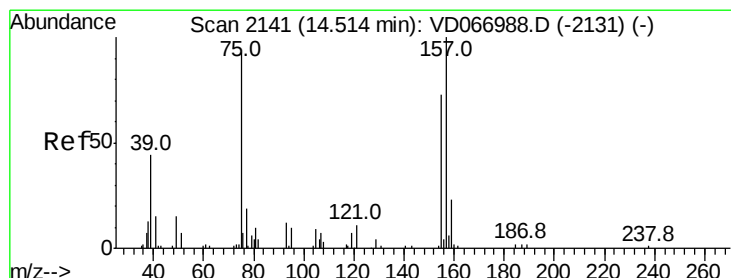
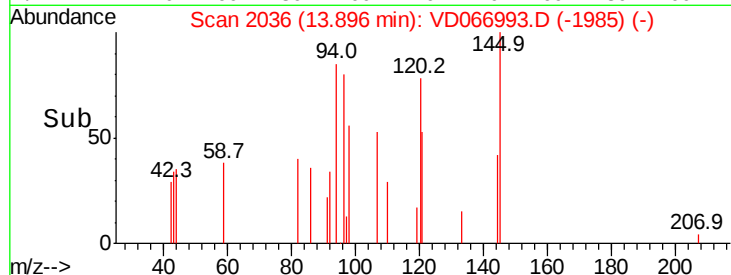
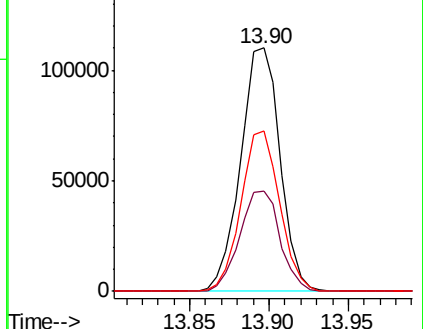
148 64.6 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

150000 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: 20.265 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

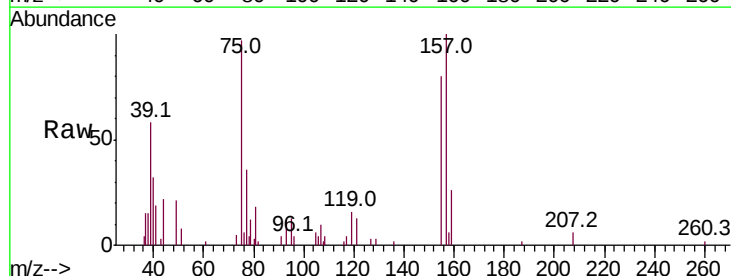
Tgt Ion: 75 Resp: 12619

Ion Ratio Lower Upper

75 100

155 85.5 45.2 135.6

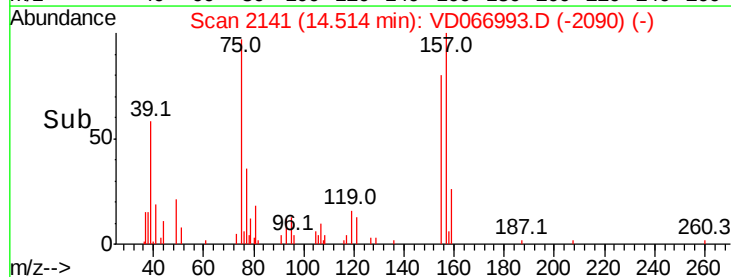
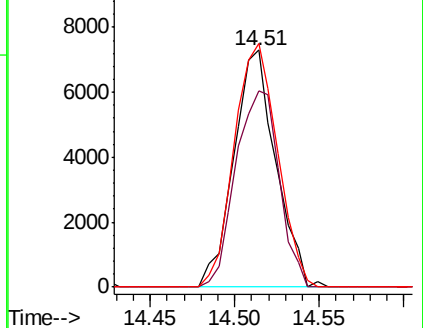
157 105.5 56.3 168.8

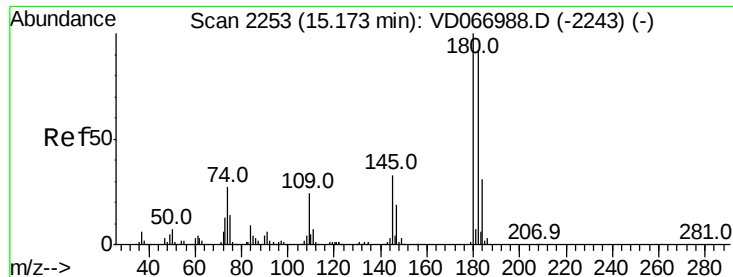


Abundance Ion 74.90 (74.60 to 75.60): V

10000 Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

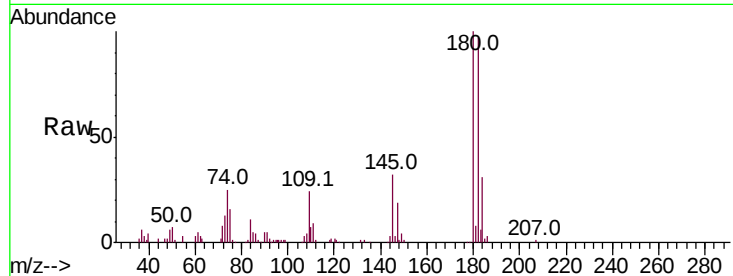




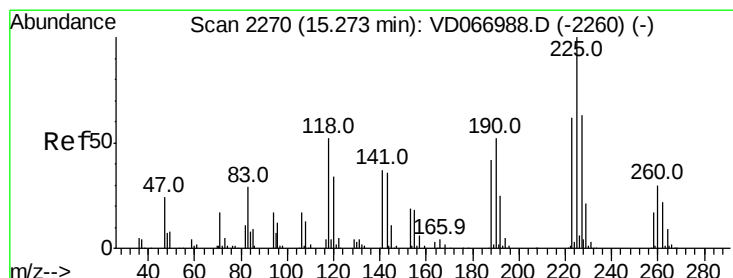
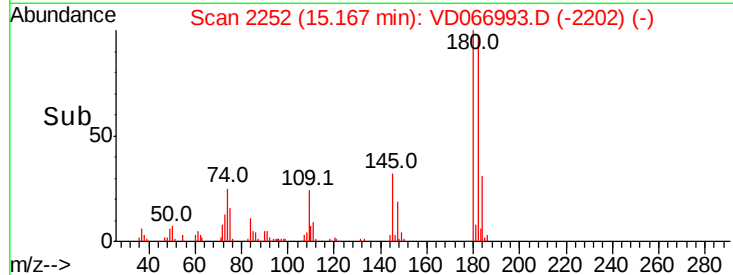
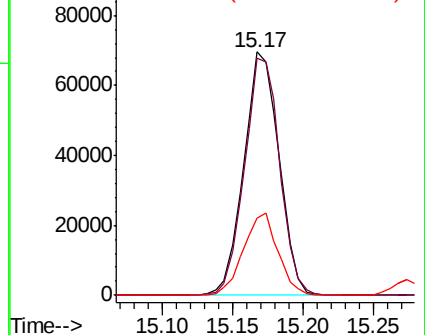
#93
 1,2,4-Trichlorobenzene
 Concen: 19.984 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1001SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	142.0
145	33.0	16.4	49.1

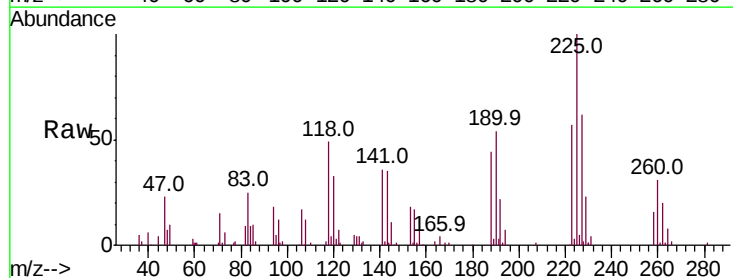


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

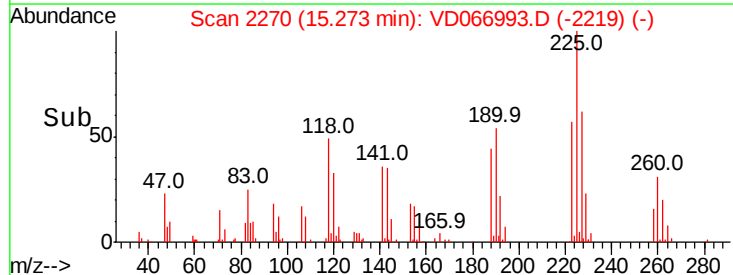
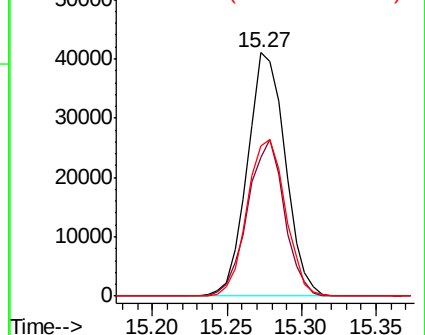


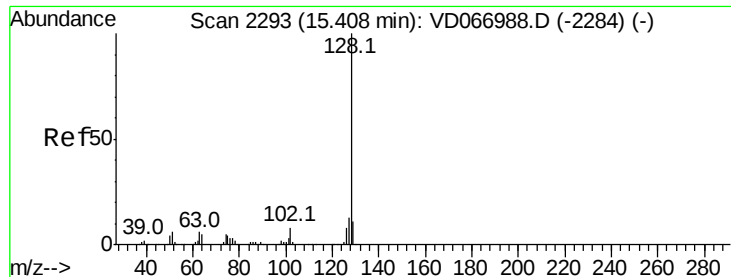
#94
 Hexachlorobutadiene
 Concen: 19.252 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066993.D
 Acq: 01 Oct 2020 15:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	32.4	97.0
227	65.0	31.6	95.0



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





#95

Naphthalene

Concen: 19.460 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Instrument :

MSVOA_D

ClientSampleId :

VD1001SBS01

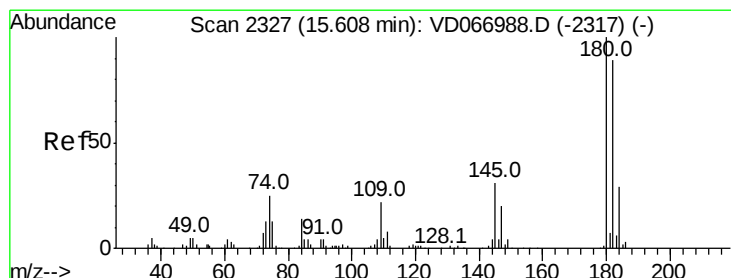
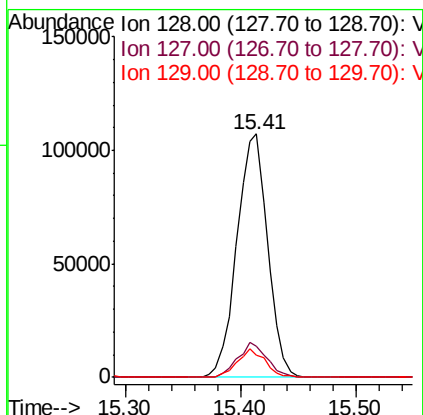
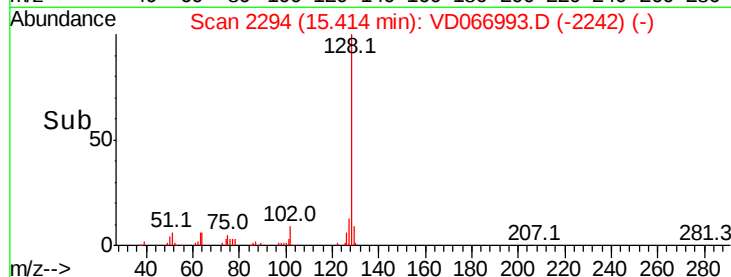
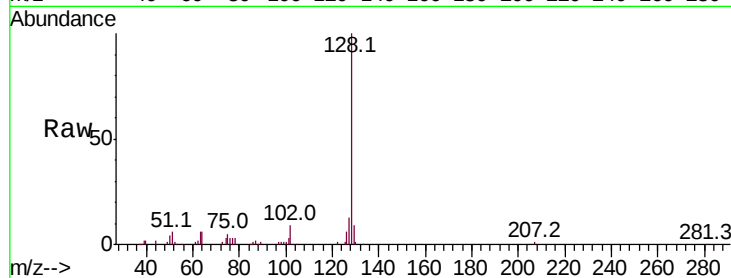
Tot Ion:128 Resp: 197722

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 20.210 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD066993.D

Acq: 01 Oct 2020 15:30

Tgt Ion:180 Resp: 106872

Ion Ratio Lower Upper

180 100

182 93.9 46.4 139.1

145 32.1 16.6 49.7

