

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069554.D
 Acq On : 23 Jun 2021 19:31
 Operator : VA/SY
 Sample : M2835-02
 Misc : 6.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:11:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

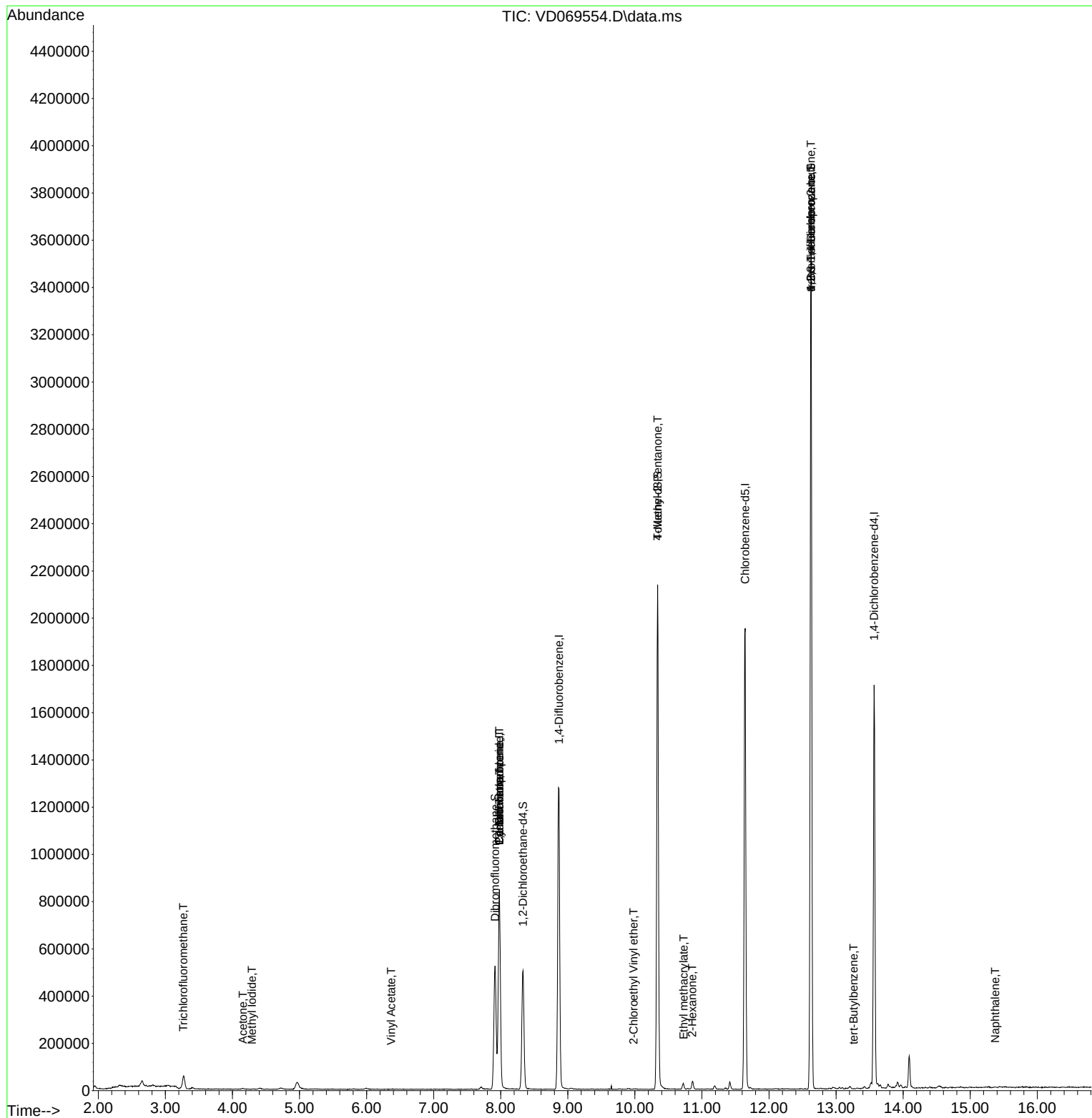
Internal Standards						
1) Pentafluorobenzene	7.979	168	569506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1098326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1121362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	432800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	413311	58.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.440%
35) Dibromofluoromethane	7.914	113	390382	52.580	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.160%
50) Toluene-d8	10.338	98	1436804	51.593	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.626	95	538325	58.799	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.600%
Target Compounds						Qvalue
5) Bromomethane	2.768	94	2040	Below Cal	#	41
7) Trichlorofluoromethane	3.268	101	58026	5.486	ug/l	93
10) Methyl Iodide	4.291	142	470	4.013	ug/l #	85
11) Tert butyl alcohol	5.209	59	914	Below Cal	#	83
16) Acetone	4.156	43	4599	3.849	ug/l	97
20) Methylene Chloride	4.967	84	22588	Below Cal		93
23) Vinyl Acetate	6.367	43	139	19.023	ug/l #	70
31) Cyclohexane	7.979	56	14719	1.540	ug/l #	2
36) 1,1-Dichloropropene	7.979	75	52311	4.853	ug/l #	50
38) Carbon Tetrachloride	7.979	117	65283	6.119	ug/l #	19
51) 4-Methyl-2-Pentanone	10.338	43	6170	1.615	ug/l #	1
56) Ethyl methacrylate	10.726	69	90	2.594	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.979	63	68	10.618	ug/l #	47
59) 2-Hexanone	10.855	43	11139	4.319	ug/l #	26
76) 1,2,3-Trichloropropane	12.626	75	297676	70.066	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	297676	174.946	ug/l #	14
83) tert-Butylbenzene	13.261	119	126	1.998	ug/l #	27
95) Naphthalene	15.373	128	1179	3.436	ug/l #	69

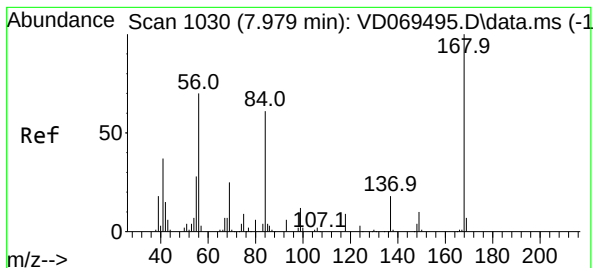
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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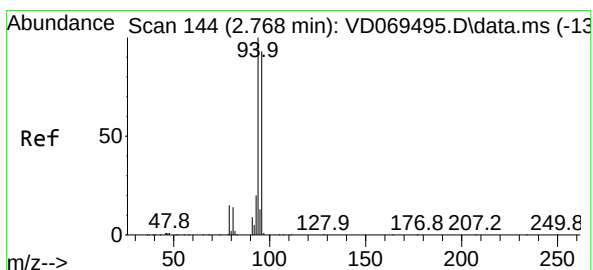
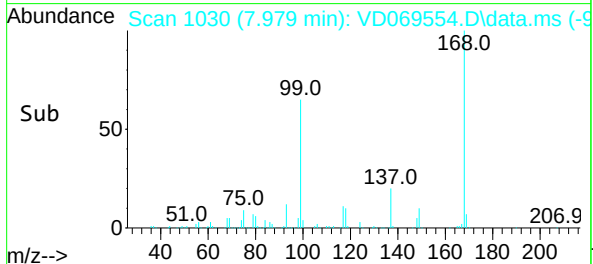
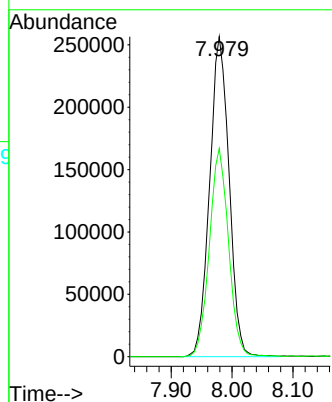
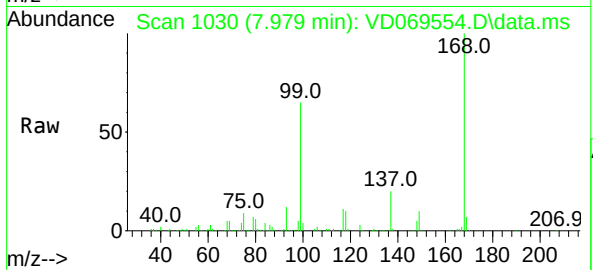




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

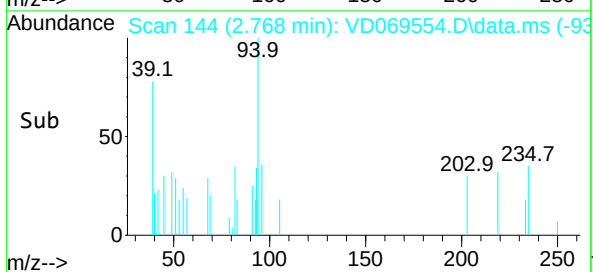
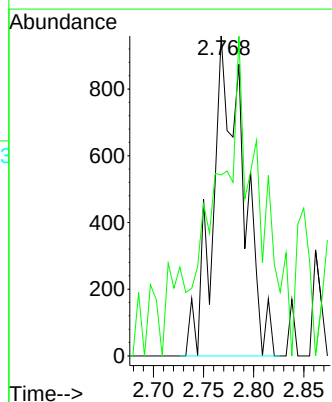
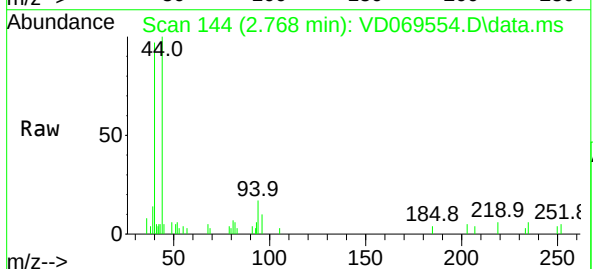
Instrument :
MSVOA_D
ClientSampled :

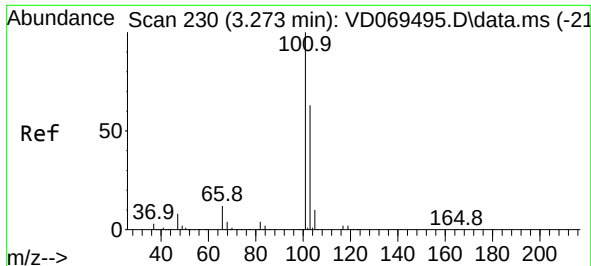
Tgt Ion:168 Resp: 569506
Ion Ratio Lower Upper
168 100
99 65.1 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 94 Resp: 2040
Ion Ratio Lower Upper
94 100
96 36.6 74.6 111.8#

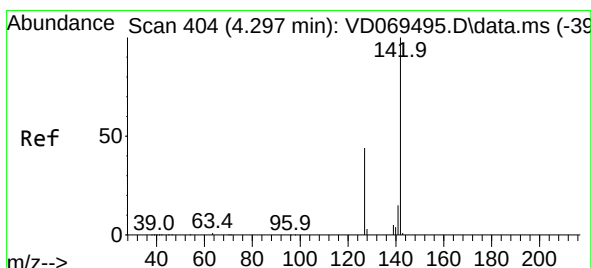
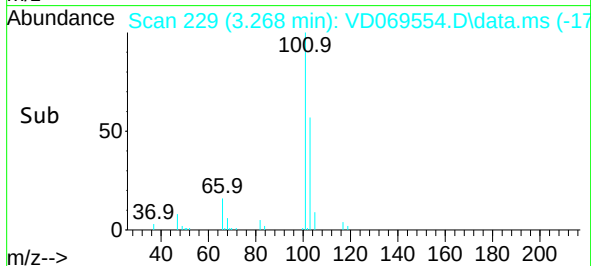
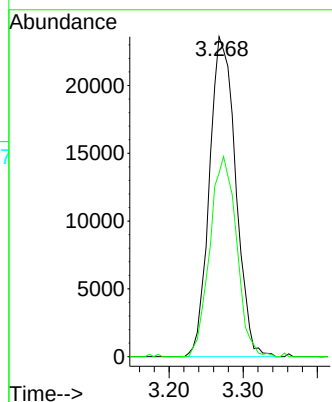
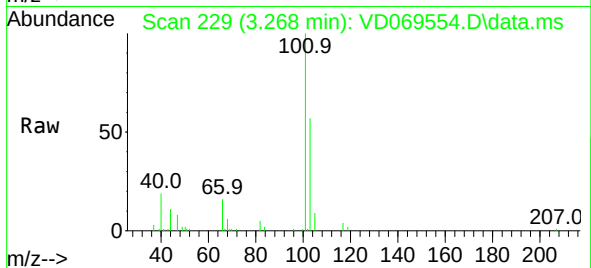




#7
 Trichlorofluoromethane
 Concen: 5.486 ug/l
 RT: 3.268 min Scan# 229
 Delta R.T. -0.006 min
 Lab File: VD069554.D
 Acq: 23 Jun 2021 19:31

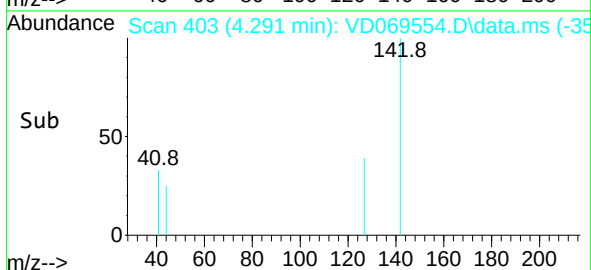
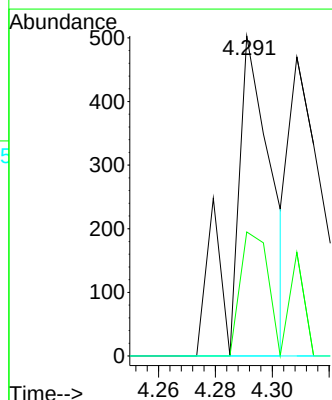
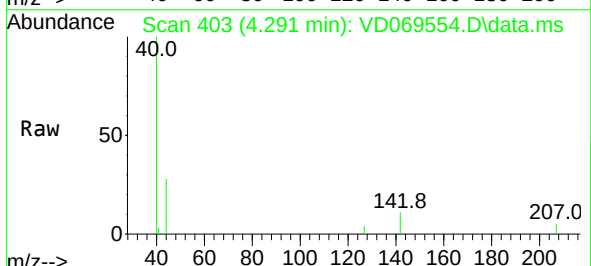
Instrument :
 MSVOA_D
 ClientSampleId :

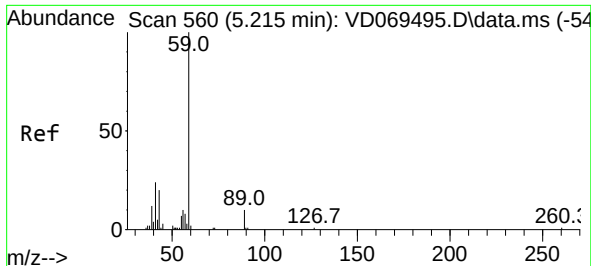
Tgt Ion:101 Resp: 58026
 Ion Ratio Lower Upper
 101 100
 103 57.4 50.6 75.8



#10
 Methyl Iodide
 Concen: 4.013 ug/l
 RT: 4.291 min Scan# 403
 Delta R.T. -0.006 min
 Lab File: VD069554.D
 Acq: 23 Jun 2021 19:31

Tgt Ion:142 Resp: 470
 Ion Ratio Lower Upper
 142 100
 127 40.2 36.5 54.7
 141 0.0 12.0 18.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.209 min Scan# 559

Delta R.T. -0.006 min

Lab File: VD069554.D

Acq: 23 Jun 2021 19:31

Tgt Ion: 59 Resp: 914

Ion Ratio Lower Upper

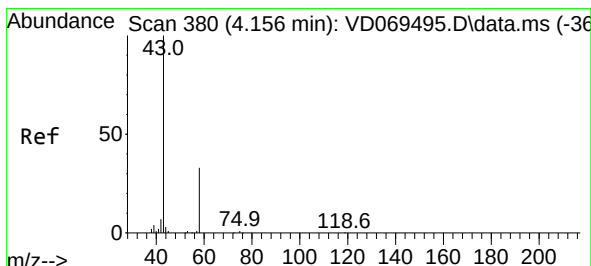
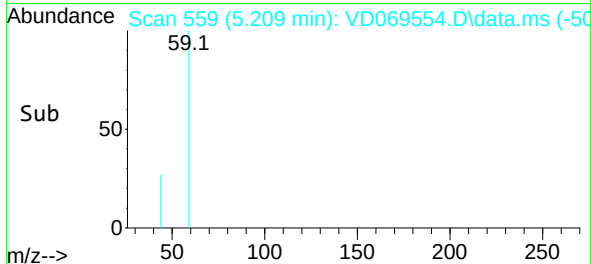
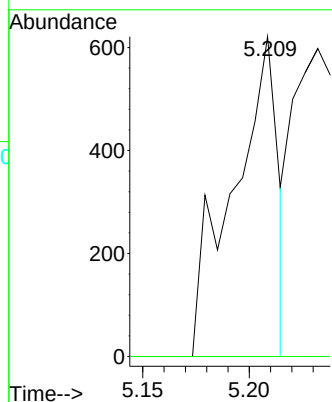
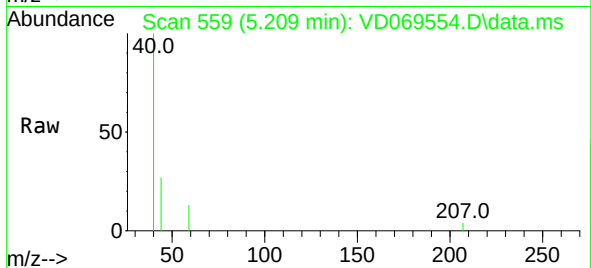
59 100

57 0.0 4.6 7.0#

Instrument :

MSVOA_D

ClientSampled :



#16

Acetone

Concen: 3.849 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD069554.D

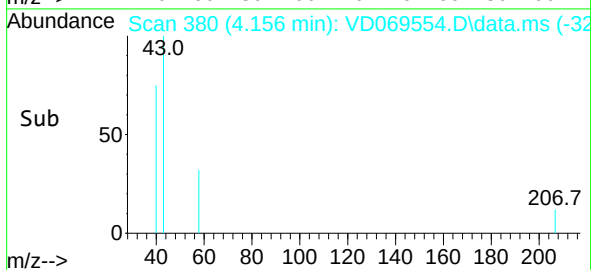
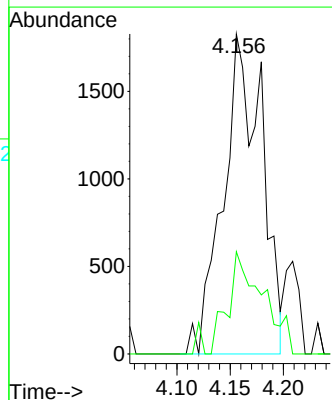
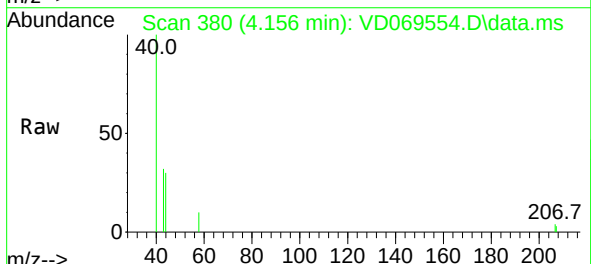
Acq: 23 Jun 2021 19:31

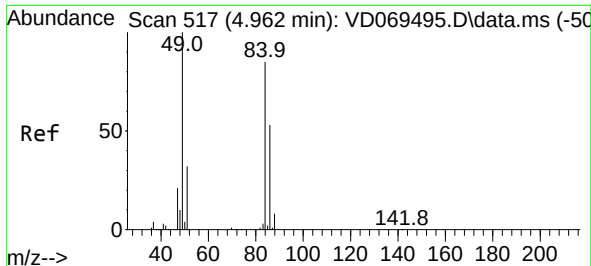
Tgt Ion: 43 Resp: 4599

Ion Ratio Lower Upper

43 100

58 31.9 26.8 40.2

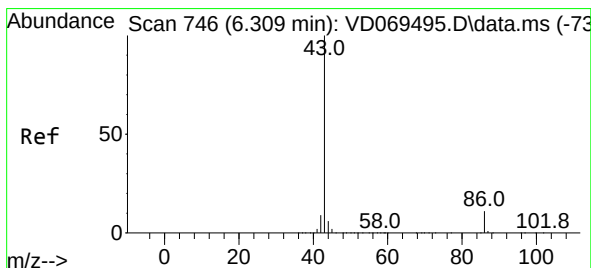
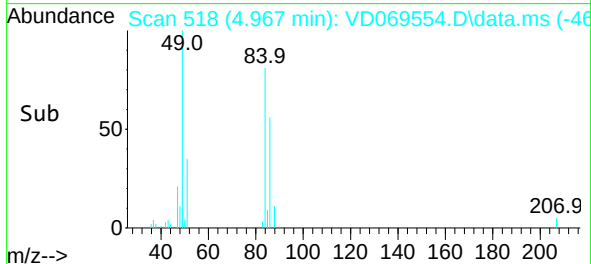
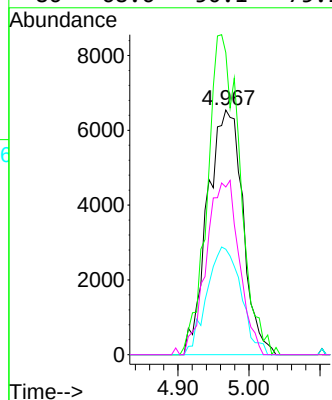
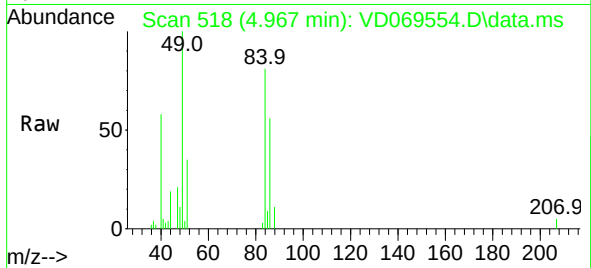




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

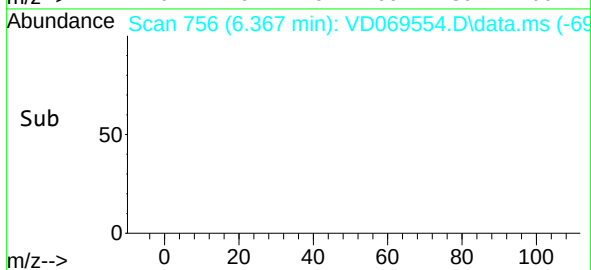
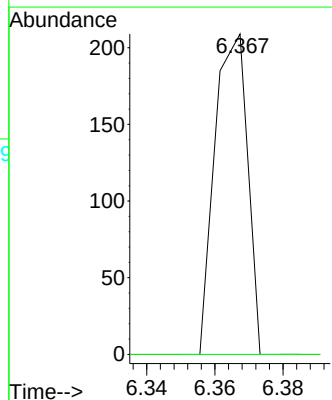
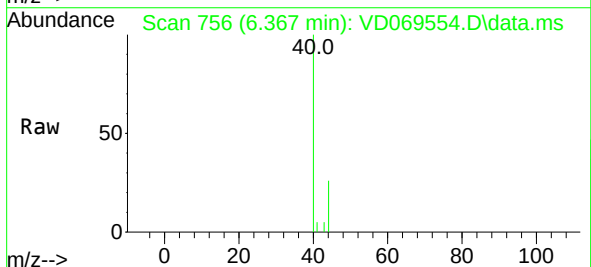
Instrument :
MSVOA_D
ClientSampled :

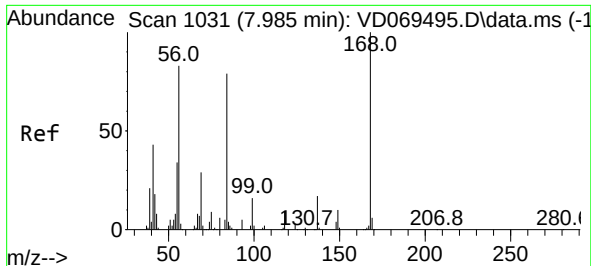
Tgt Ion:	84	Resp:	22588
Ion	Ratio	Lower	Upper
84	100		
49	123.5	94.0	141.0
51	43.1	29.7	44.5
86	68.6	50.1	75.1



#23
Vinyl Acetate
Concen: 19.023 ug/l
RT: 6.367 min Scan# 756
Delta R.T. 0.058 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion:	43	Resp:	139
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

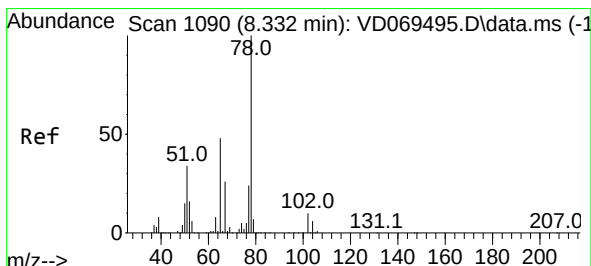
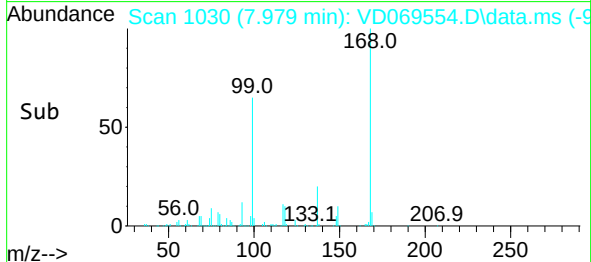
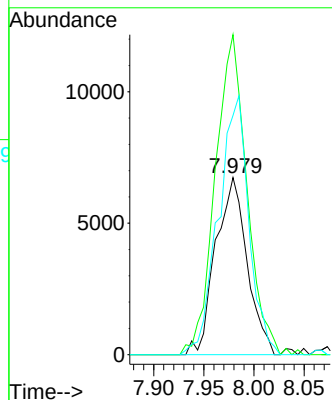
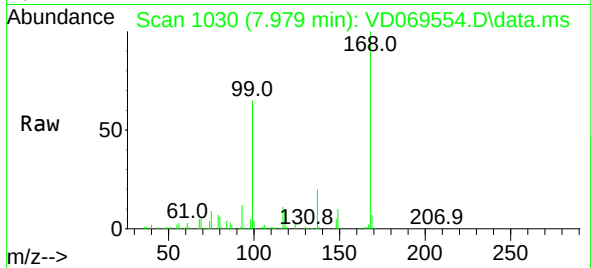




#31
Cyclohexane
Concen: 1.540 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

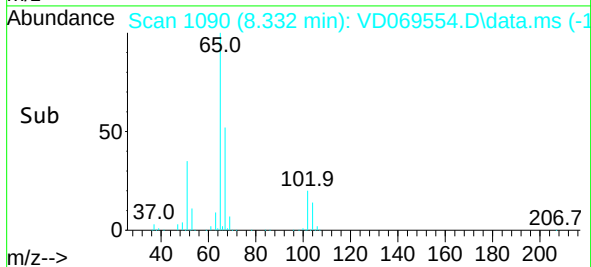
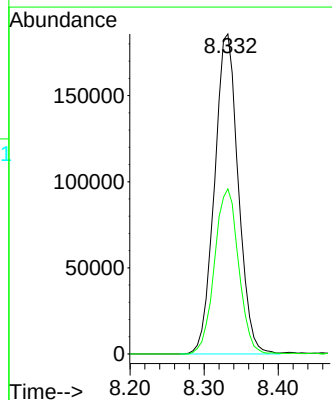
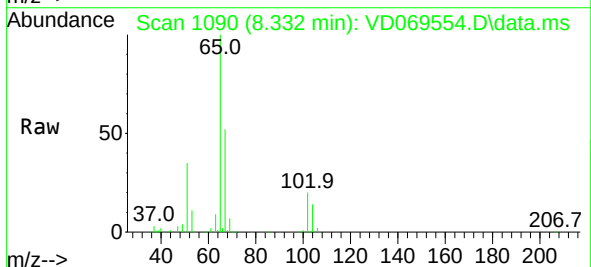
Instrument :
MSVOA_D
ClientSampleId :

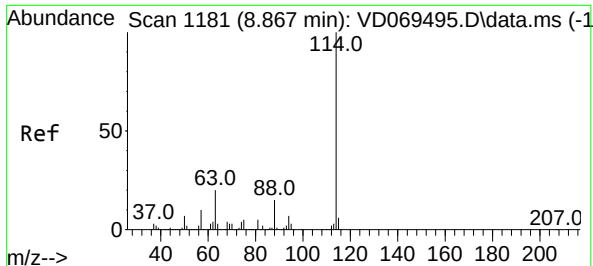
Tgt Ion: 56 Resp: 14719
Ion Ratio Lower Upper
56 100
69 180.6 28.0 42.0#
84 135.0 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 58.223 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 65 Resp: 413311
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.6



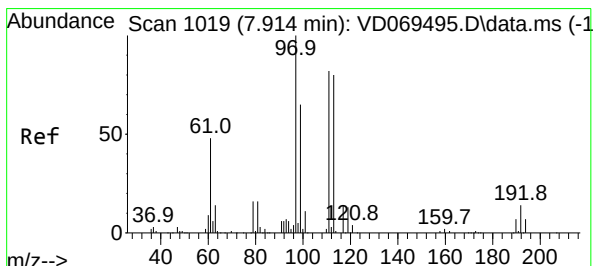
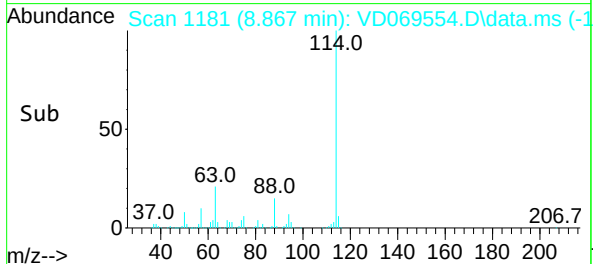
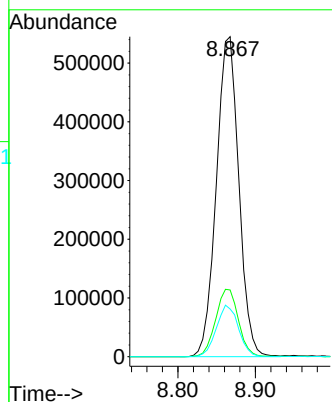
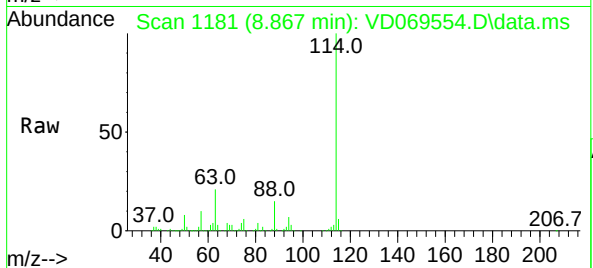


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Instrument :
MSVOA_D
ClientSampleId :

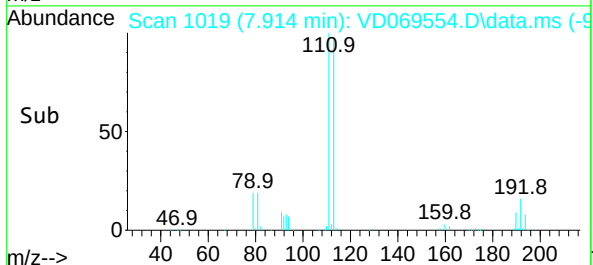
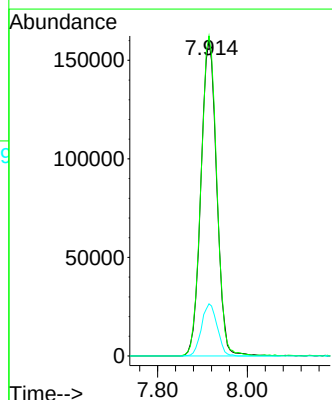
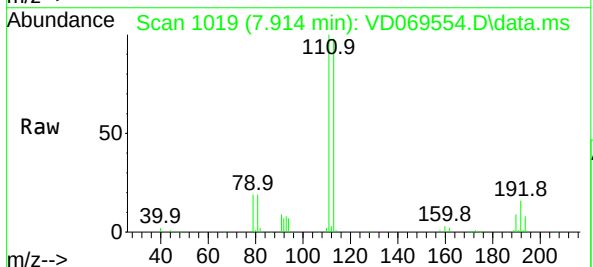
Tgt Ion:114 Resp: 1098326
Ion Ratio Lower Upper
114 100
63 20.9 0.0 39.6
88 14.9 0.0 29.8

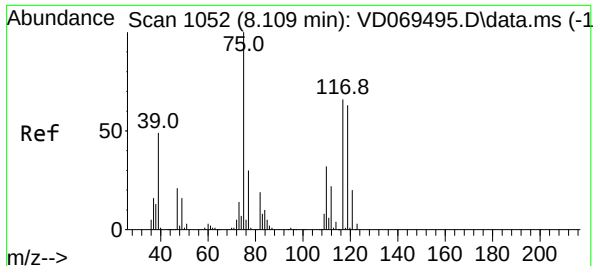


#35

Dibromofluoromethane
Concen: 52.580 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion:113 Resp: 390382
Ion Ratio Lower Upper
113 100
111 101.5 81.8 122.8
192 16.4 13.8 20.6



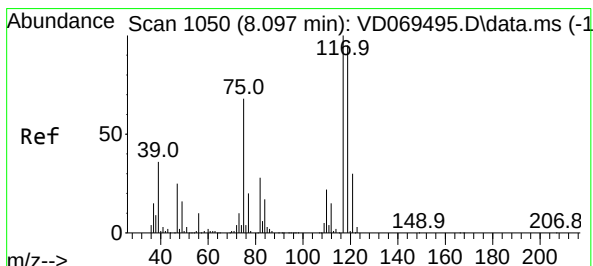
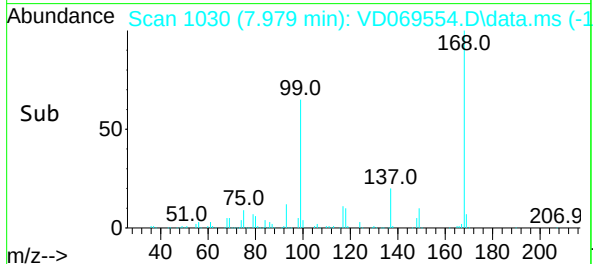
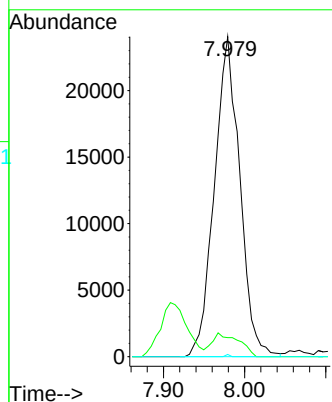
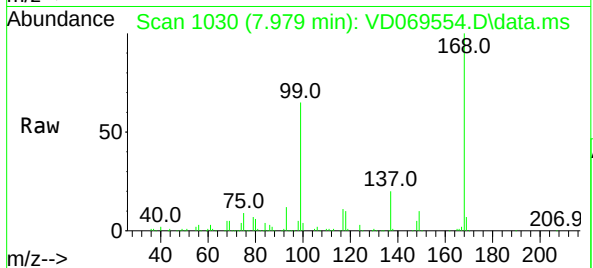


#36

1,1-Dichloropropene
Concen: 4.853 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Instrument :
MSVOA_D
ClientSampled :

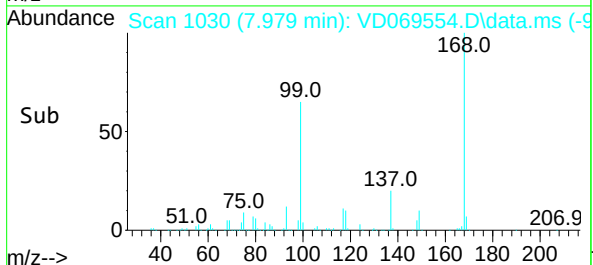
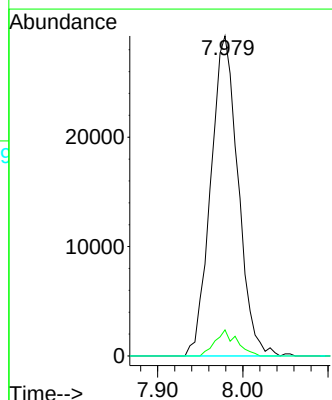
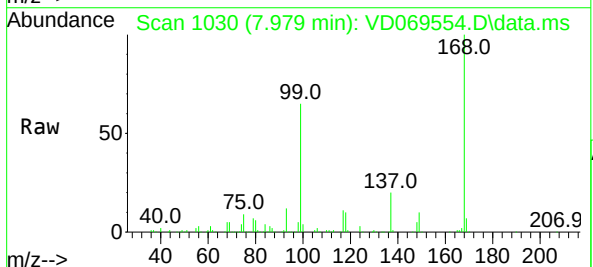
Tgt Ion: 75 Resp: 52311
Ion Ratio Lower Upper
75 100
110 7.8 16.8 50.4#
77 0.1 24.3 36.5#

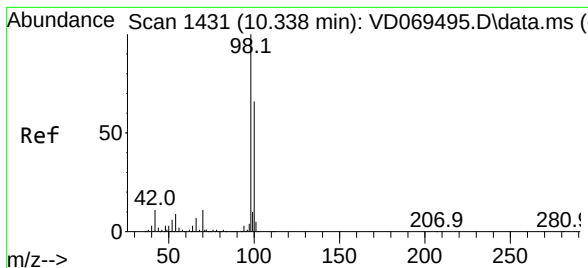


#38

Carbon Tetrachloride
Concen: 6.119 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 117 Resp: 65283
Ion Ratio Lower Upper
117 100
119 8.2 75.6 113.4#
121 0.0 23.8 35.8#

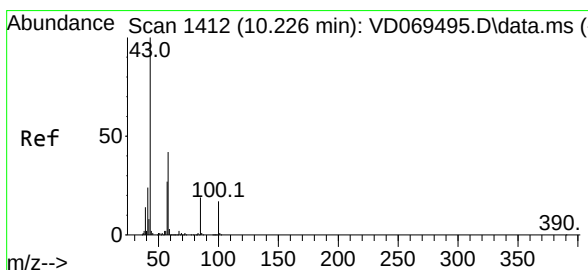
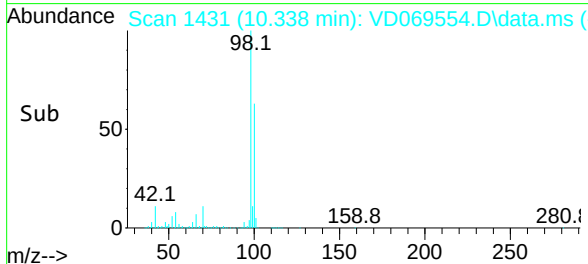
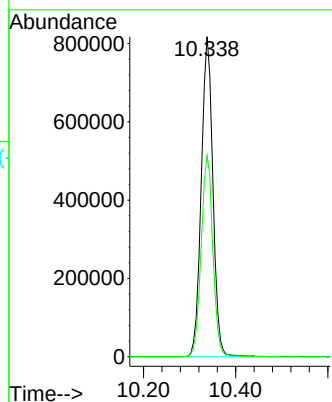
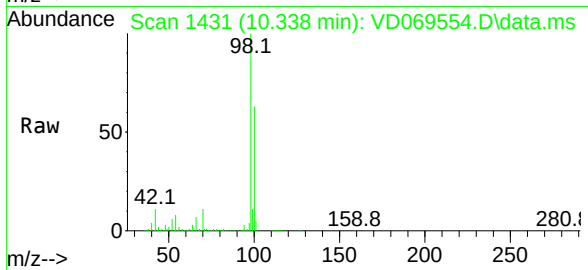




#50
Toluene-d8
Concen: 51.593 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

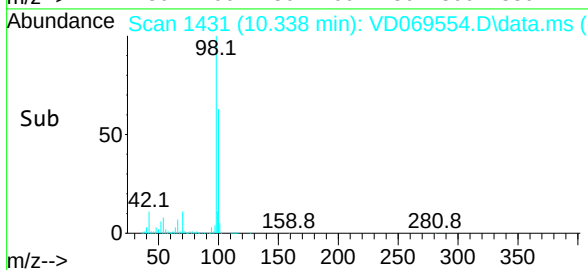
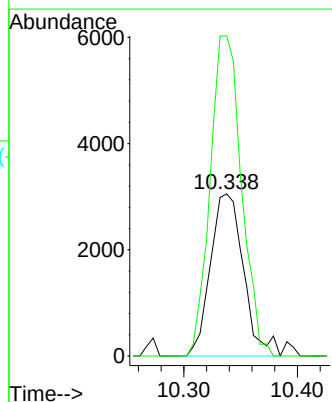
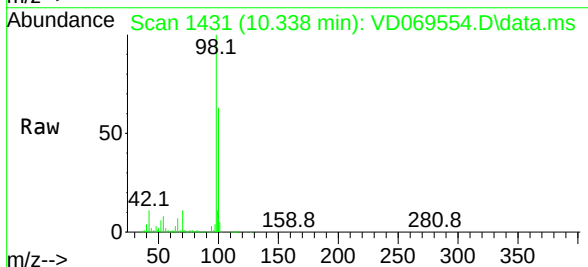
Instrument :
MSVOA_D
ClientSampled :

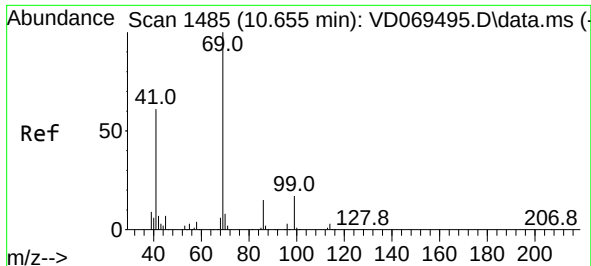
Tgt Ion: 98 Resp: 1436804
Ion Ratio Lower Upper
98 100
100 63.4 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.615 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 43 Resp: 6170
Ion Ratio Lower Upper
43 100
58 187.6 33.6 50.4#

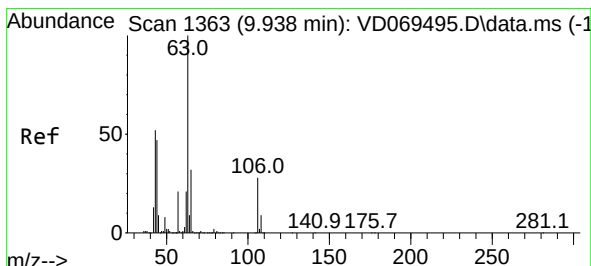
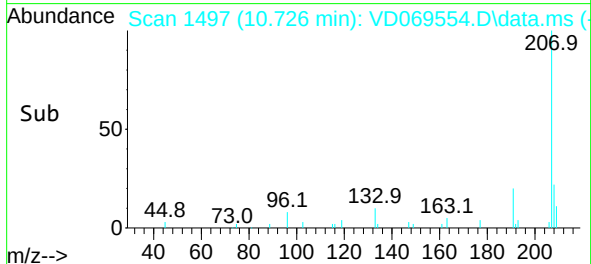
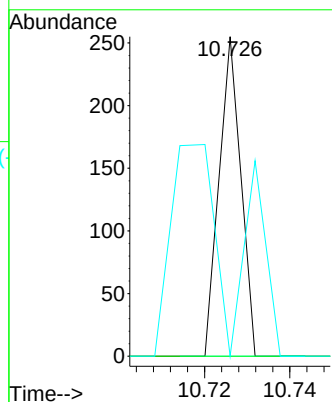
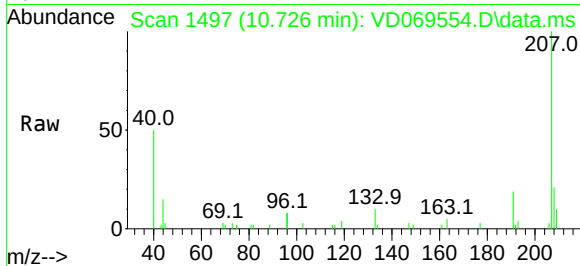




#56
Ethyl methacrylate
Concen: 2.594 ug/l
RT: 10.726 min Scan# 1497
Delta R.T. 0.071 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

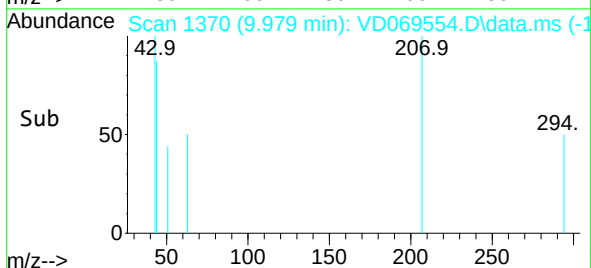
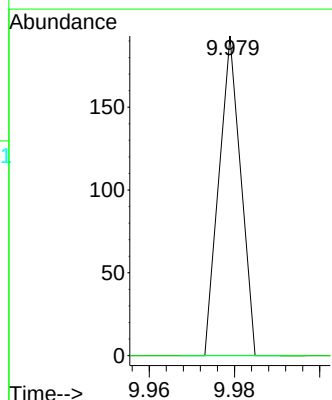
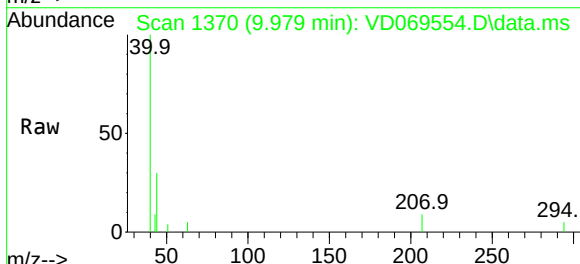
Instrument :
MSVOA_D
ClientSampled :

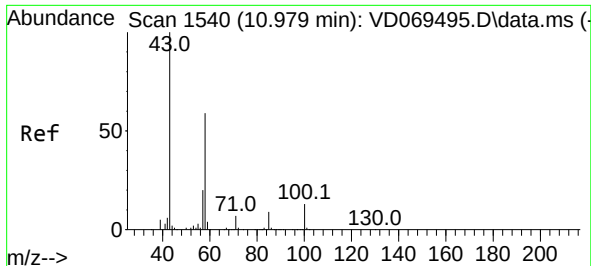
Tgt Ion: 69 Resp: 90
Ion Ratio Lower Upper
69 100
41 0.0 49.4 74.0#
39 193.3 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.618 ug/l
RT: 9.979 min Scan# 1370
Delta R.T. 0.041 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 63 Resp: 68
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

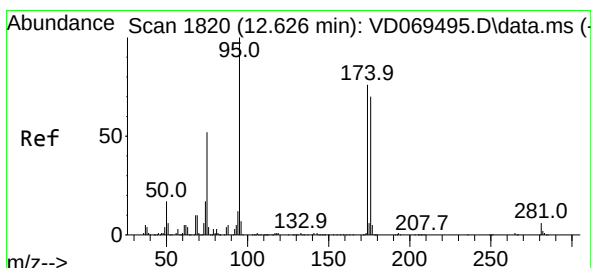
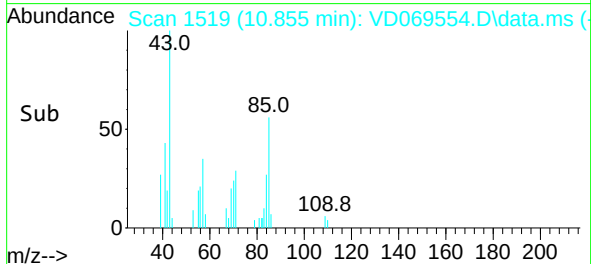
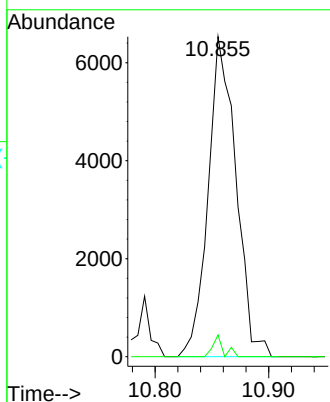
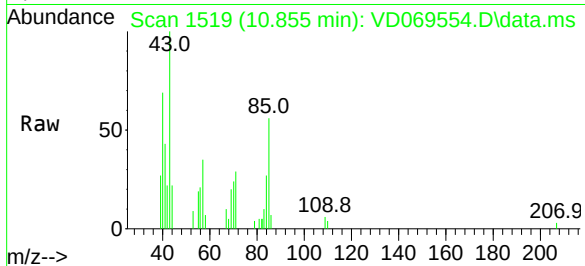




#59
2-Hexanone
Concen: 4.319 ug/l
RT: 10.855 min Scan# 1519
Delta R.T. -0.124 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

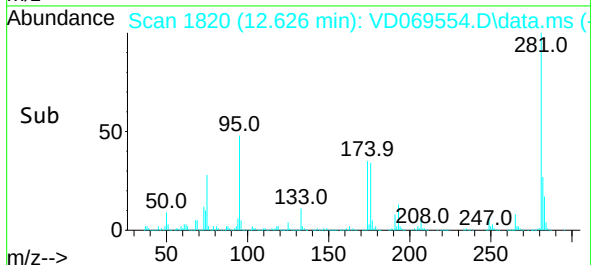
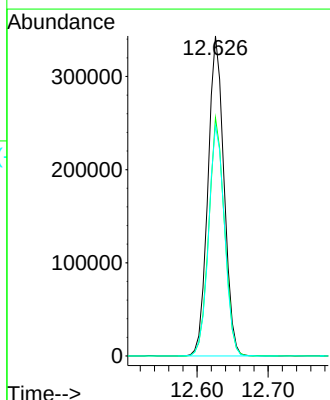
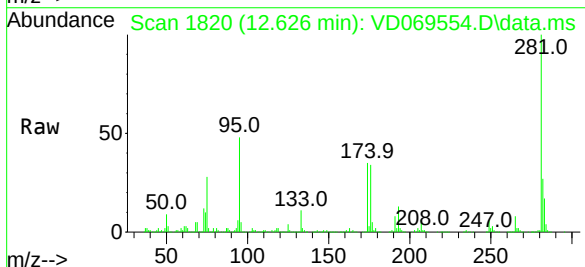
Instrument :
MSVOA_D
ClientSampleId :

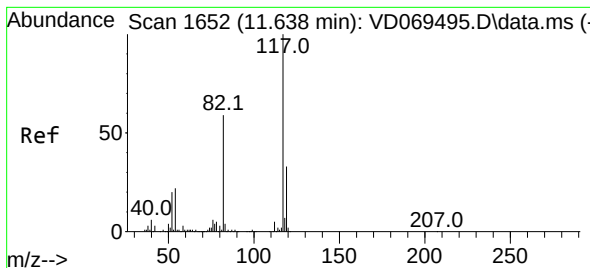
Tgt Ion: 43 Resp: 11139
Ion Ratio Lower Upper
43 100
58 2.5 28.7 86.3#



#62
4-Bromofluorobenzene
Concen: 58.799 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 95 Resp: 538325
Ion Ratio Lower Upper
95 100
174 72.7 0.0 148.0
176 71.5 0.0 139.8

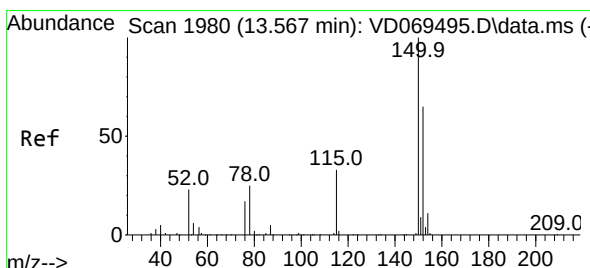
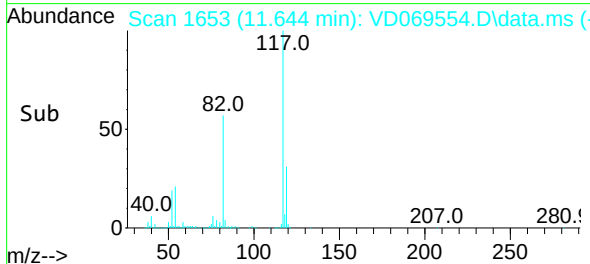
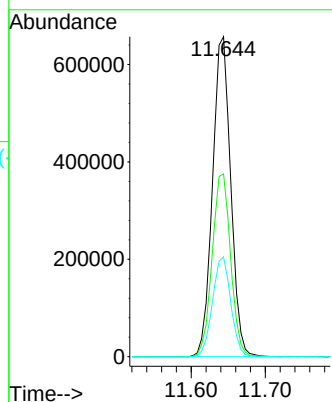
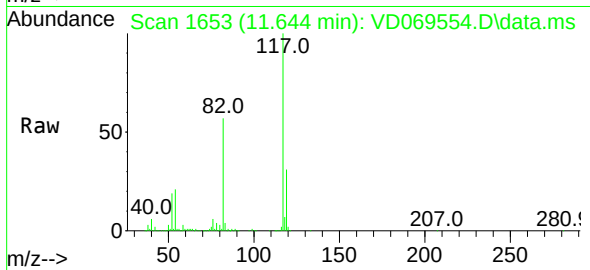




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

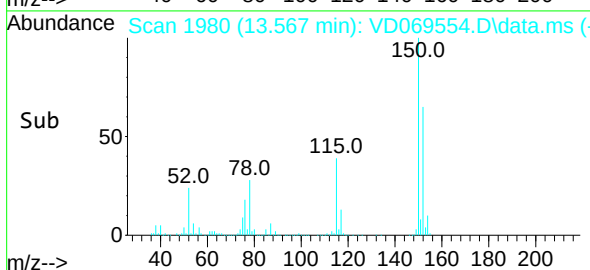
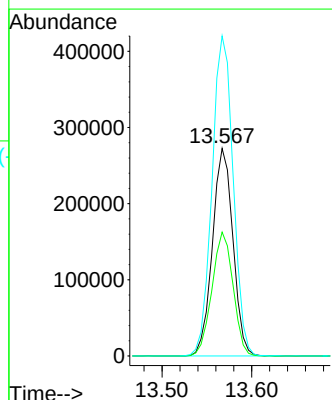
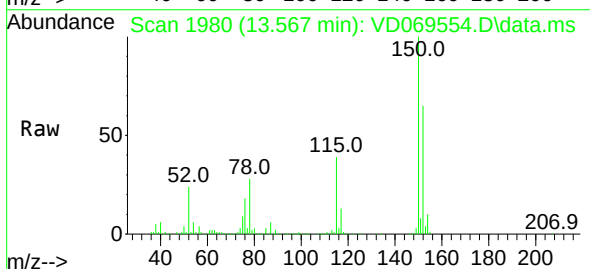
Instrument :
MSVOA_D
ClientSampleId :

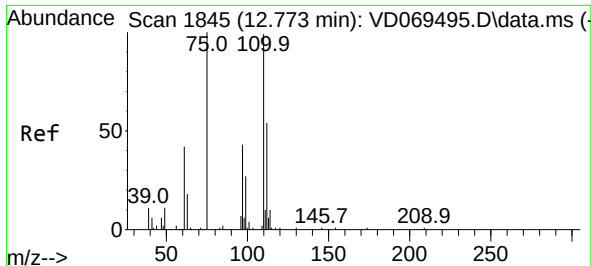
Tgt Ion:117 Resp: 1121362
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 31.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion:152 Resp: 432800
Ion Ratio Lower Upper
152 100
115 61.3 31.7 95.1
150 158.8 0.0 350.8

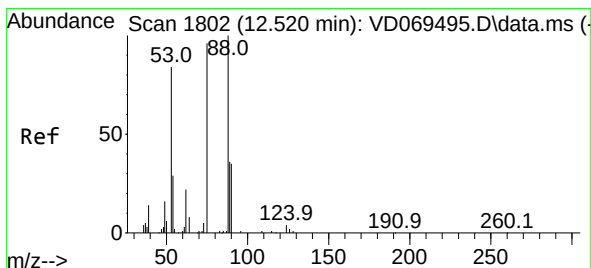
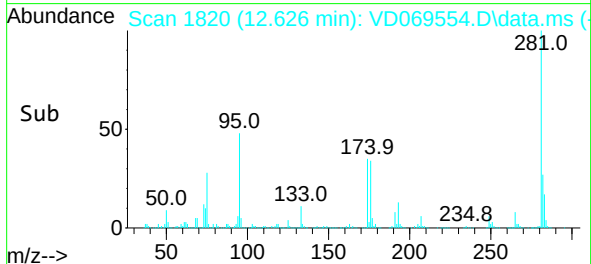
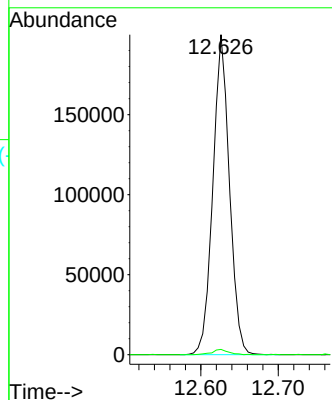
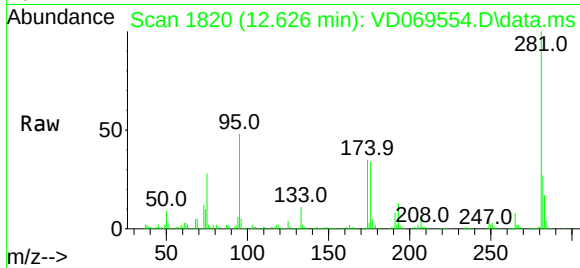




#76
1,2,3-Trichloropropane
Concen: 70.066 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

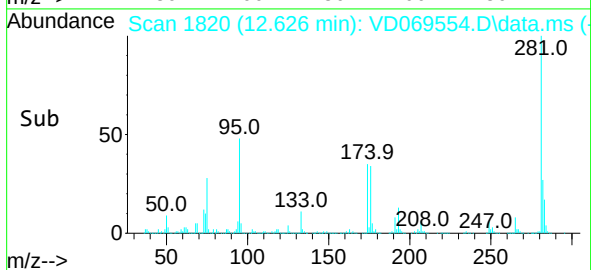
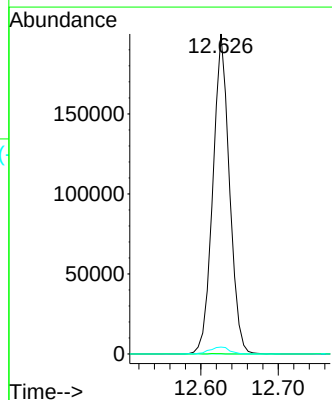
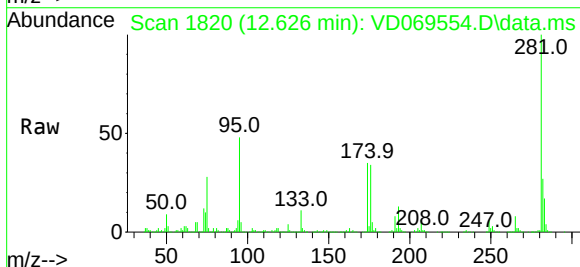
Instrument :
MSVOA_D
ClientSampled :

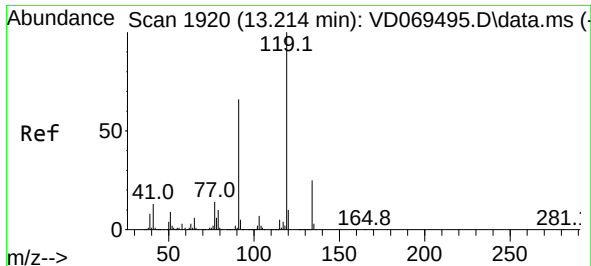
Tgt Ion: 75 Resp: 297676
Ion Ratio Lower Upper
75 100
77 1.6 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 174.946 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion: 75 Resp: 297676
Ion Ratio Lower Upper
75 100
53 0.1 74.6 112.0#
89 2.6 35.3 52.9#

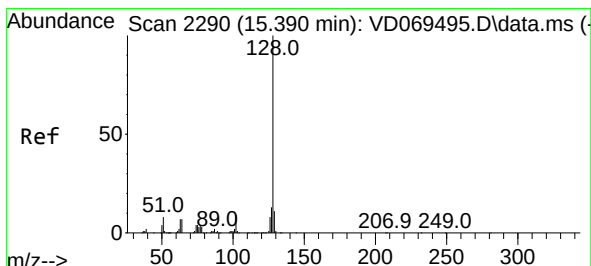
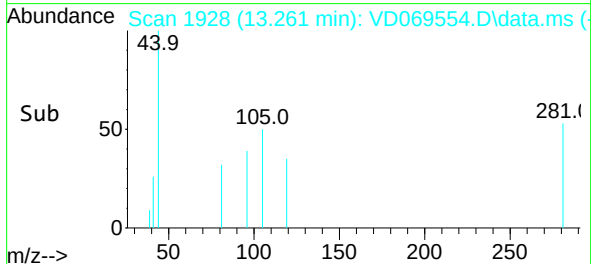
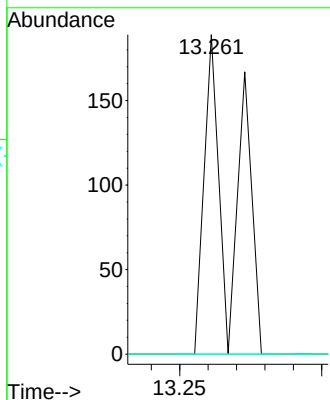
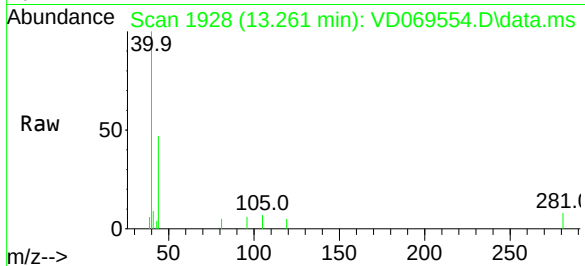




#83
tert-Butylbenzene
Concen: 1.998 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.047 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	119	Resp:	126
Ion	Ratio	Lower	Upper
119	100		
91	0.0	32.5	97.4#
134	0.0	12.9	38.7#



#95
Naphthalene
Concen: 3.436 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.017 min
Lab File: VD069554.D
Acq: 23 Jun 2021 19:31

Tgt Ion:	128	Resp:	1179
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

