

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071158.D
 Acq On : 04 Dec 2021 22:00
 Operator : VA/SY
 Sample : M4927-14
 Misc : 5.27G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

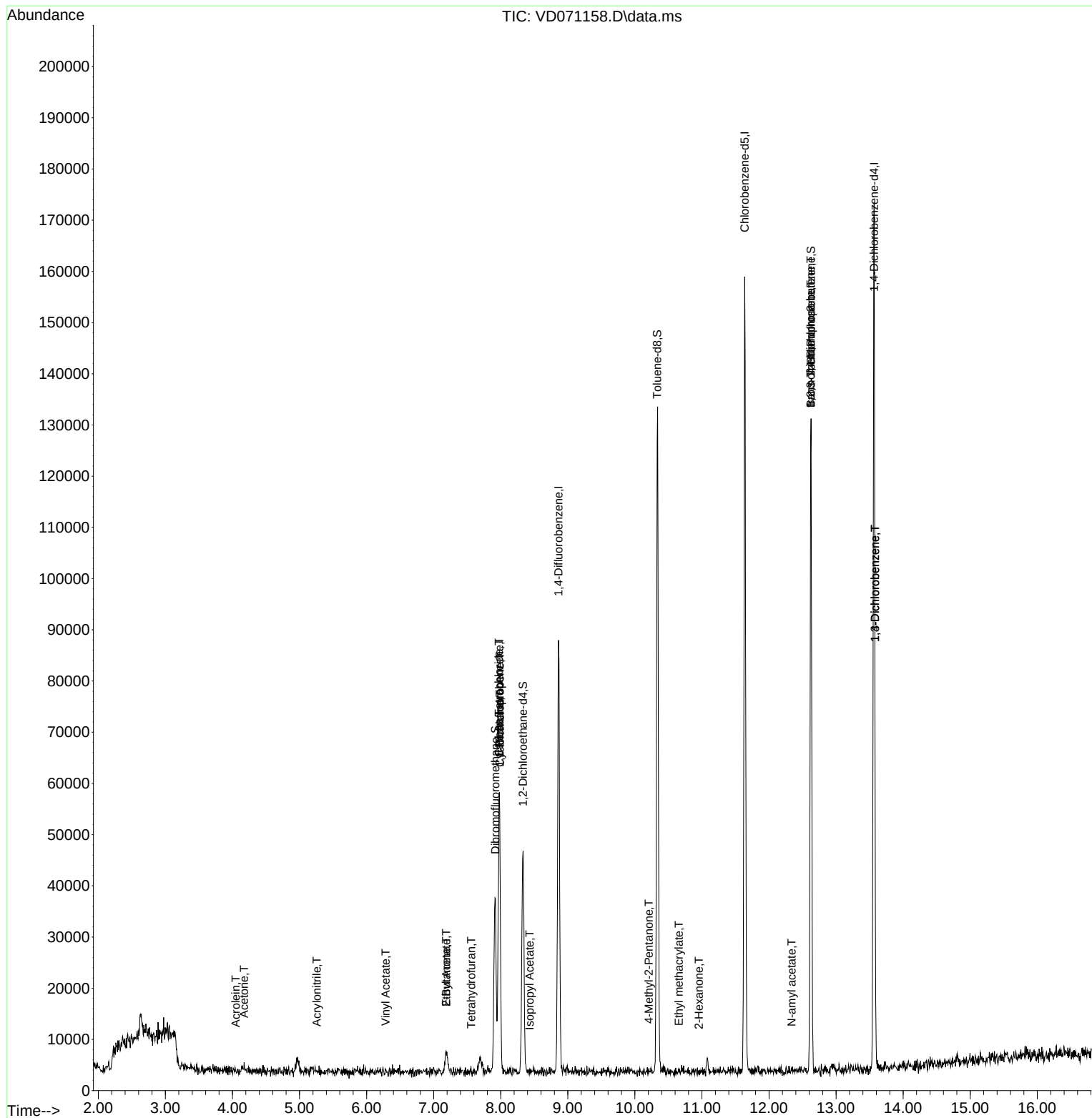
Internal Standards						
1) Pentafluorobenzene	7.979	168	37097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	65624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	79406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	40934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	34100	78.339	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 156.680%			
35) Dibromofluoromethane	7.920	113	24237	57.999	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 116.000%			
50) Toluene-d8	10.332	98	84357	53.046	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.100%			
62) 4-Bromofluorobenzene	12.626	95	38056	69.036	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 138.080%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.226	59	65	Below Cal	#	71
13) Acrolein	4.050	56	74	2.488	ug/l #	13
15) Acrylonitrile	5.256	53	86	1.031	ug/l #	19
16) Acetone	4.173	43	1977	45.793	ug/l #	79
23) Vinyl Acetate	6.285	43	68	27.304	ug/l #	72
25) 2-Butanone	7.185	43	427	31.195	ug/l #	45
29) Tetrahydrofuran	7.561	42	122	1.765	ug/l #	65
31) Cyclohexane	7.985	56	1331	1.798	ug/l #	21
36) 1,1-Dichloropropene	7.985	75	3299	5.379	ug/l #	47
37) Ethyl Acetate	7.185	43	427	1.612	ug/l #	69
38) Carbon Tetrachloride	7.973	117	4376	7.238	ug/l #	12
41) Methacrylonitrile	7.544	41	64	Below Cal	#	1
43) Isopropyl Acetate	8.432	43	56	5.309	ug/l #	47
51) 4-Methyl-2-Pentanone	10.208	43	61	30.831	ug/l #	34
56) Ethyl methacrylate	10.655	69	64	6.102	ug/l #	1
59) 2-Hexanone	10.955	43	60	34.804	ug/l #	22
71) Bromoform	12.620	173	387	1.389	ug/l #	1
74) N-amyl acetate	12.338	43	54	5.760	ug/l #	40
76) 1,2,3-Trichloropropane	12.620	75	21868	56.072	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	21868	121.777	ug/l #	18
87) 1,3-Dichlorobenzene	13.579	146	1528	1.196	ug/l #	65
88) 1,4-Dichlorobenzene	13.579	146	1528	1.207	ug/l #	64

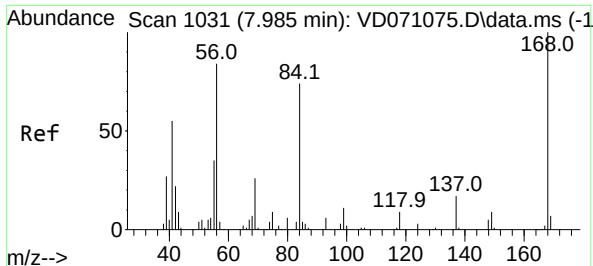
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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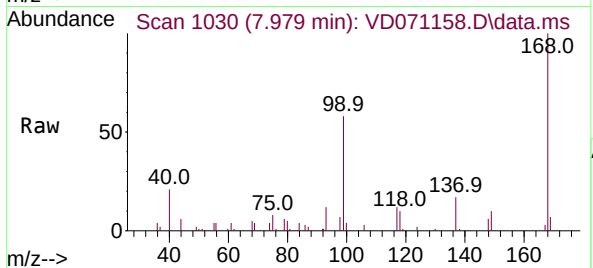
Quant Time: Dec 06 04:34:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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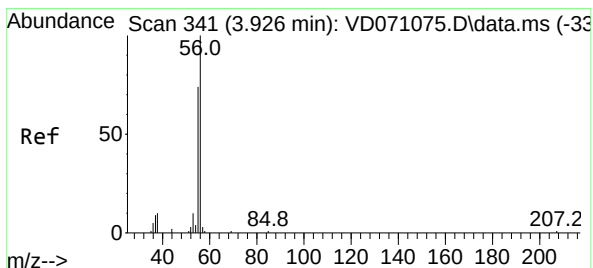
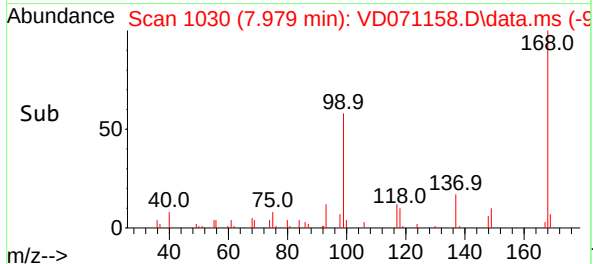
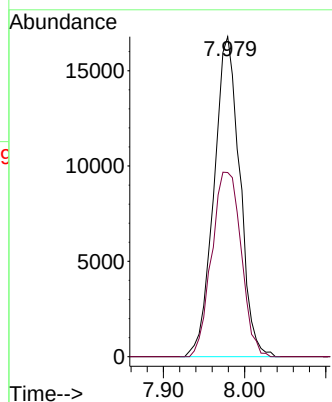


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Instrument :
MSVOA_D
ClientSampleId :

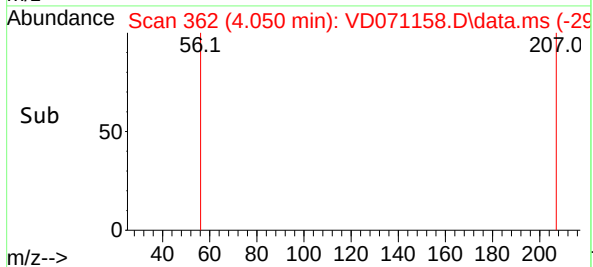
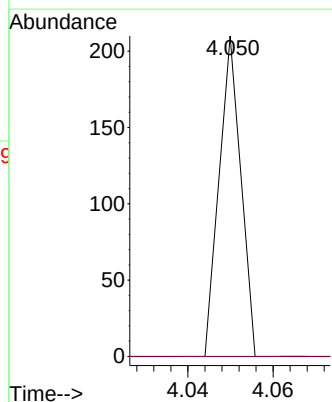
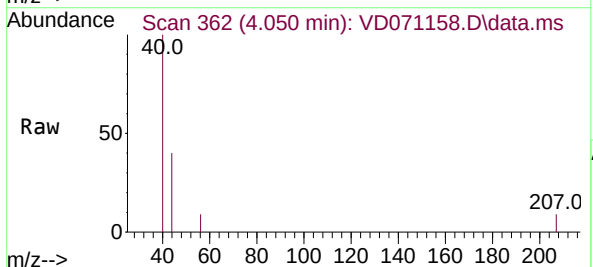


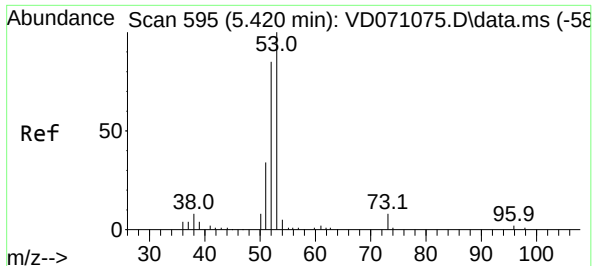
Tgt Ion:168 Resp: 37097
Ion Ratio Lower Upper
168 100
99 57.6 46.6 69.8



#13
Acrolein
Concen: 2.488 ug/l
RT: 4.050 min Scan# 362
Delta R.T. 0.124 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

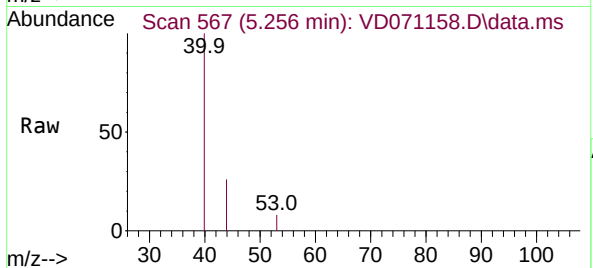
Tgt Ion: 56 Resp: 74
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#



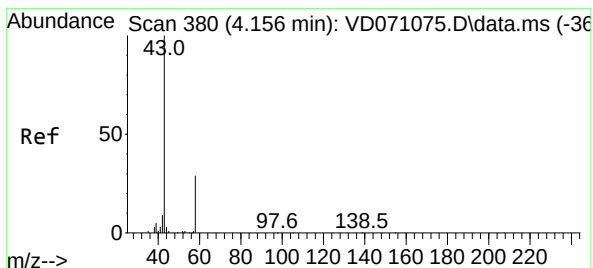
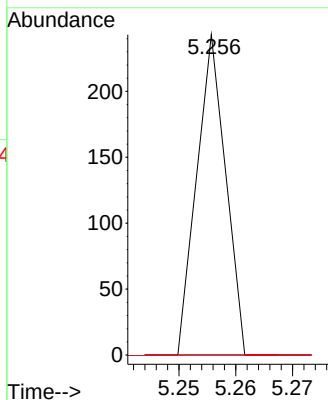


#15
Acrylonitrile
Concen: 1.031 ug/l
RT: 5.256 min Scan# 50
Delta R.T. -0.164 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Instrument :
MSVOA_D
ClientSampleId :

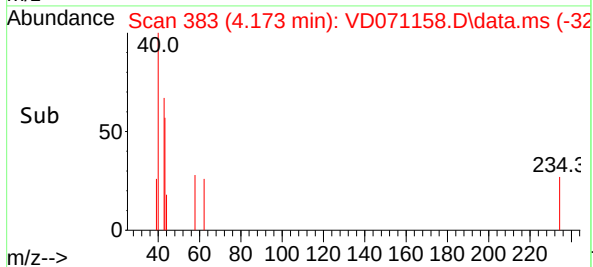
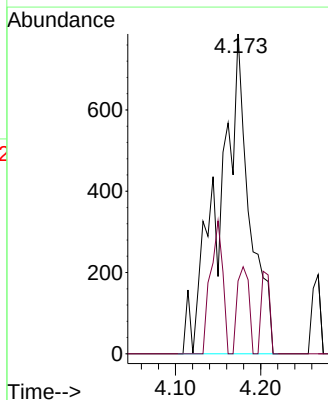
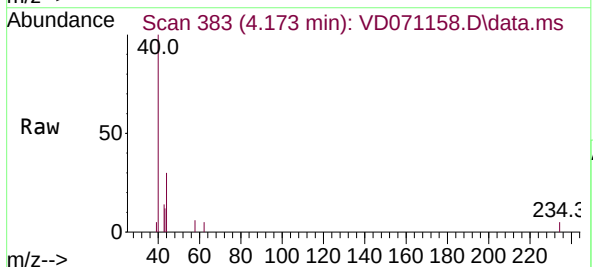


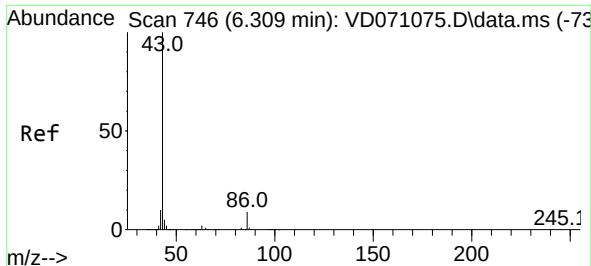
Tgt Ion: 53 Resp: 86
Ion Ratio Lower Upper
53 100
52 0.0 63.8 95.8#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 45.793 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Tgt Ion: 43 Resp: 1977
Ion Ratio Lower Upper
43 100
58 22.7 27.8 41.8#

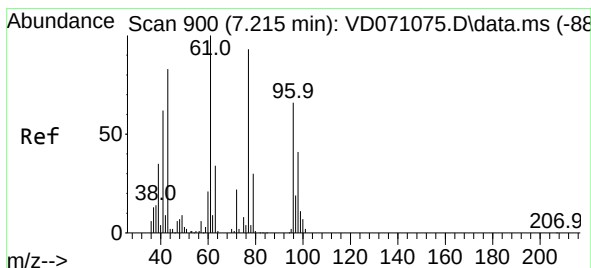
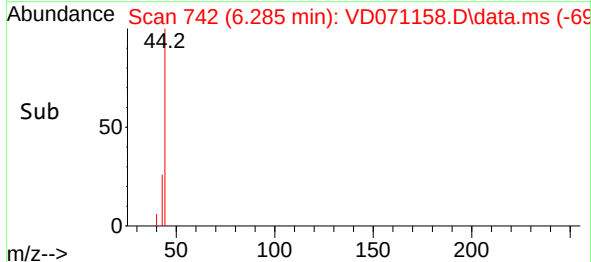
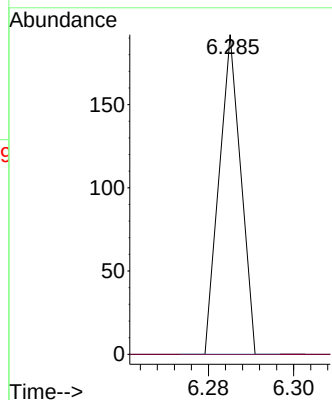
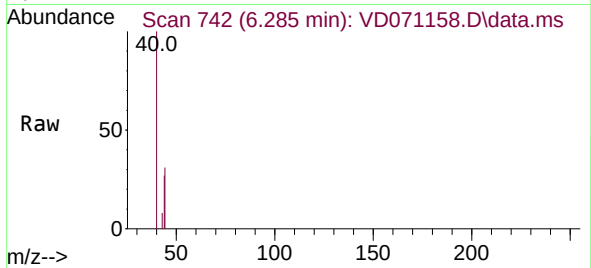




#23
 Vinyl Acetate
 Concen: 27.304 ug/l
 RT: 6.285 min Scan# 746
 Delta R.T. -0.024 min
 Lab File: VD071158.D
 Acq: 04 Dec 2021 22:00

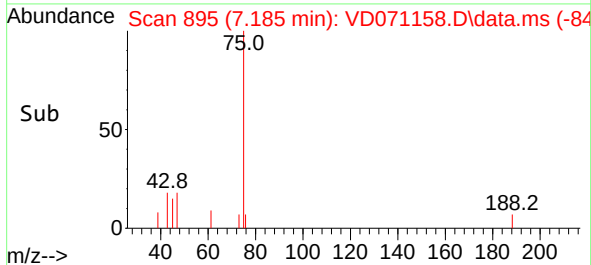
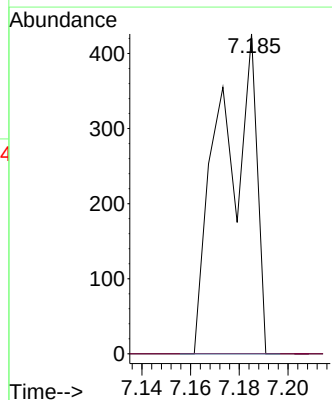
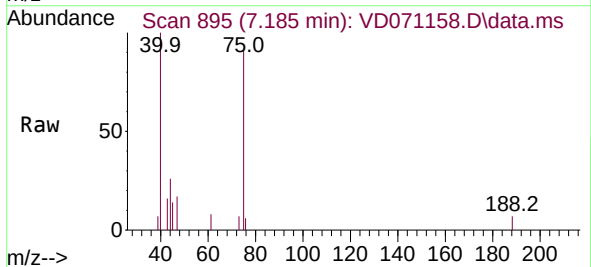
Instrument :
 MSVOA_D
 ClientSampleId :

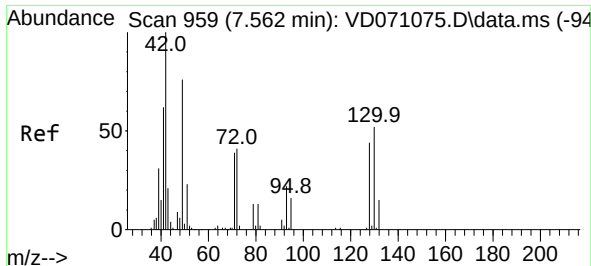
Tgt Ion: 43 Resp: 68
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 31.195 ug/l
 RT: 7.185 min Scan# 895
 Delta R.T. -0.030 min
 Lab File: VD071158.D
 Acq: 04 Dec 2021 22:00

Tgt Ion: 43 Resp: 427
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.765 ug/l

RT: 7.561 min Scan# 91

Delta R.T. -0.001 min

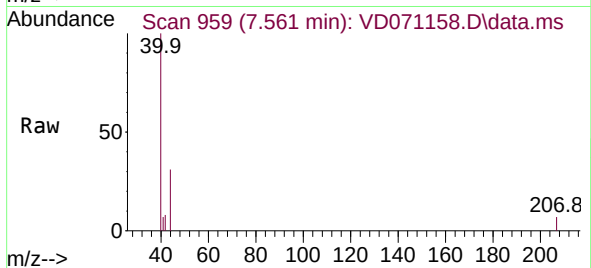
Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

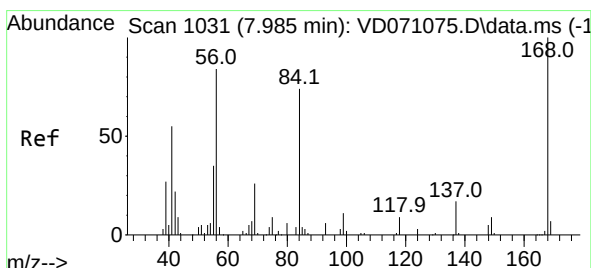
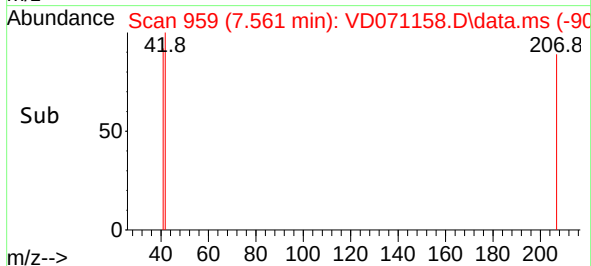
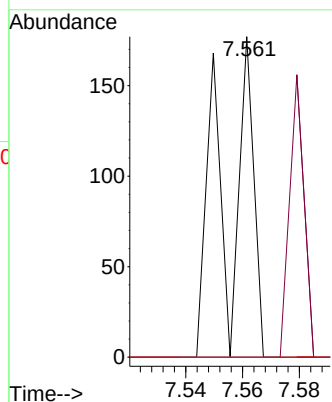
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	122
Ion	Ratio	Lower	Upper
42	100		
72	45.1	33.7	50.5
71	0.0	32.7	49.1#



#31

Cyclohexane

Concen: 1.798 ug/l

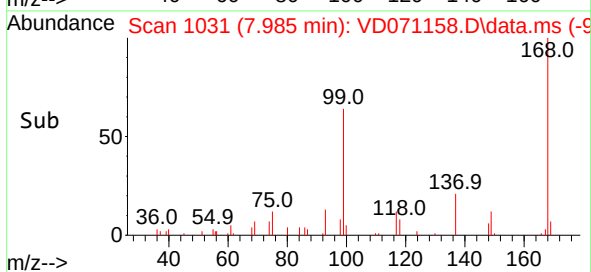
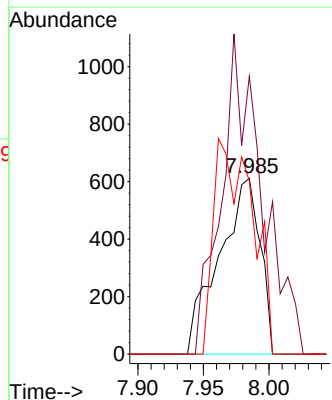
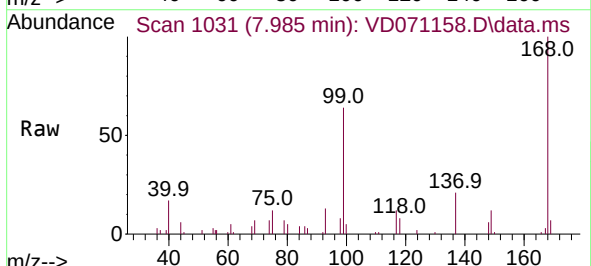
RT: 7.985 min Scan# 1031

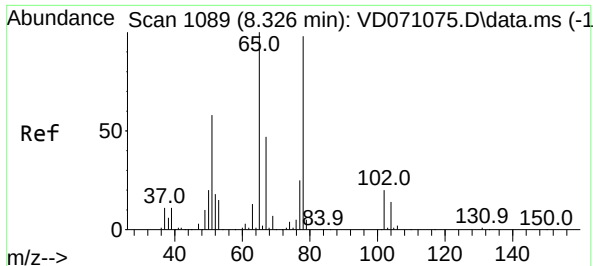
Delta R.T. -0.000 min

Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

Tgt Ion:	56	Resp:	1331
Ion	Ratio	Lower	Upper
56	100		
69	158.0	25.9	38.9#
84	98.4	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 78.339 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

Instrument :

MSVOA_D

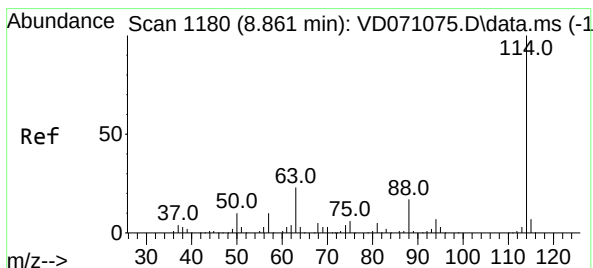
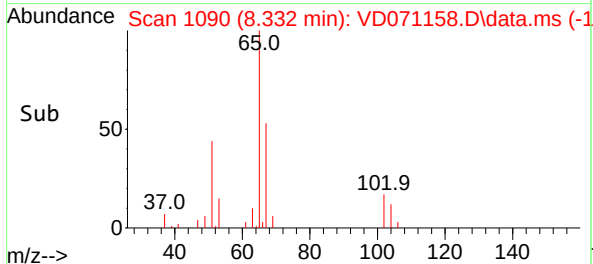
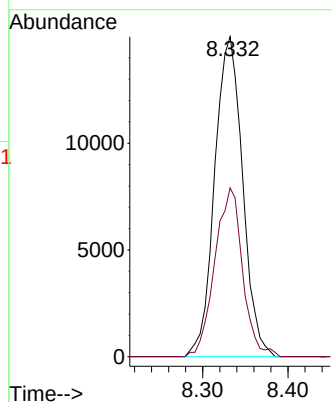
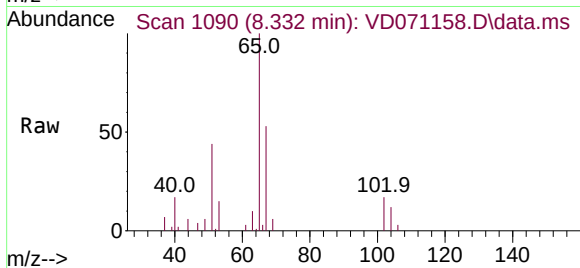
ClientSampleId :

Tgt Ion: 65 Resp: 34100

Ion Ratio Lower Upper

65 100

67 52.4 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

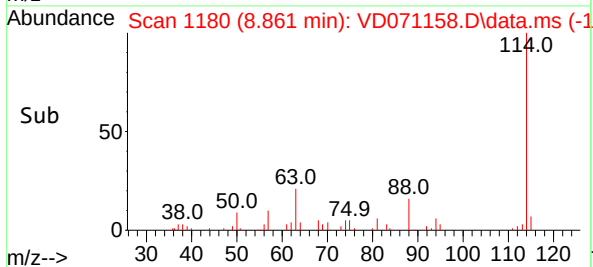
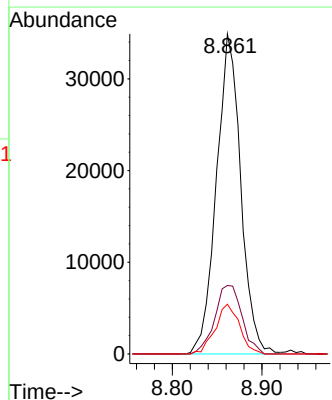
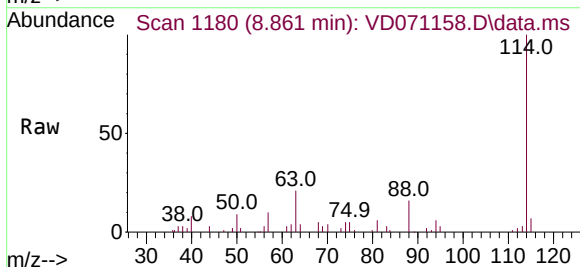
Tgt Ion: 114 Resp: 65624

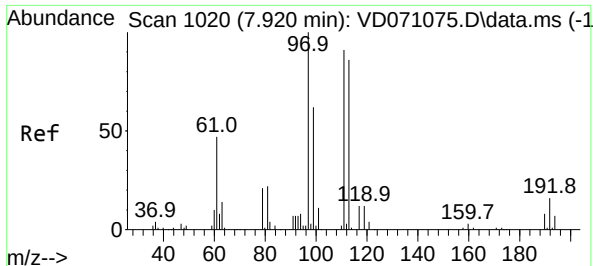
Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 15.5 0.0 32.8

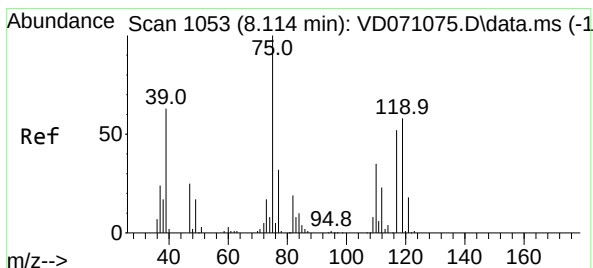
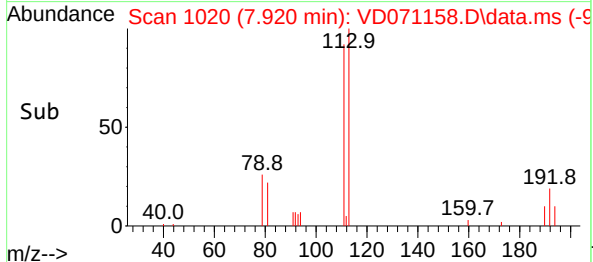
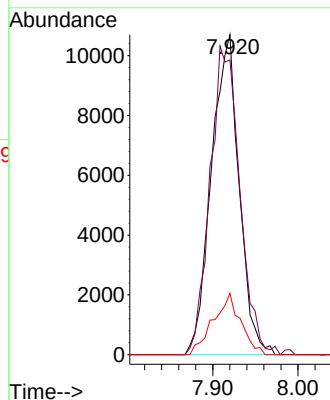
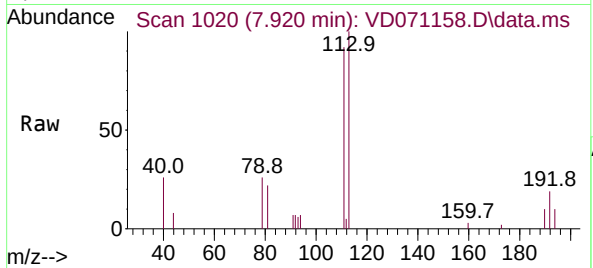




#35
Dibromofluoromethane
Concen: 57.999 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

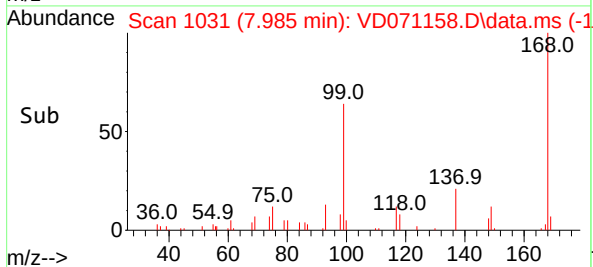
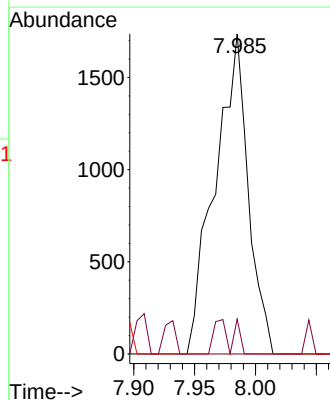
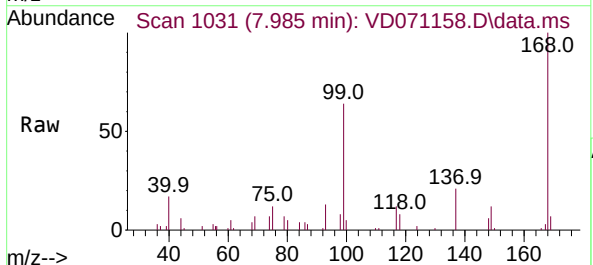
Instrument :
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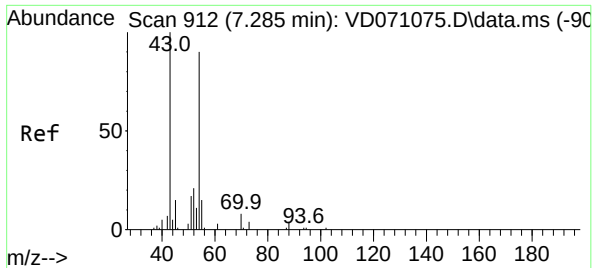
Tgt Ion:113	Resp:	24237
Ion	Ratio	Lower Upper
113	100	
111	102.9	82.0 123.0
192	18.9	15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.379 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Tgt Ion: 75	Resp:	3299
Ion	Ratio	Lower Upper
75	100	
110	5.9	17.8 53.4#
77	0.0	24.8 37.2#





#37

Ethyl Acetate

Concen: 1.612 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.100 min

Lab File: VD071158.D

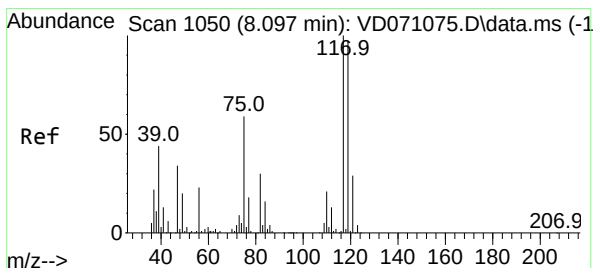
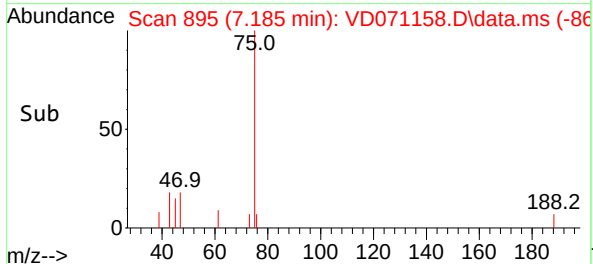
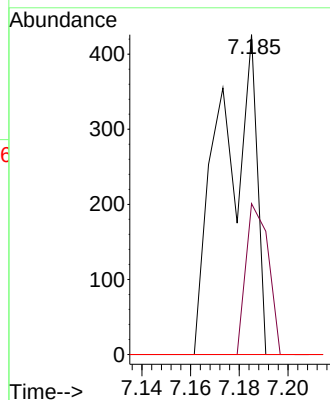
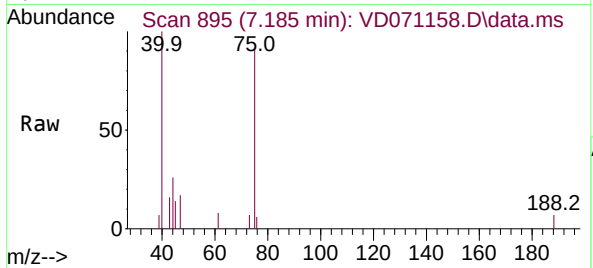
Acq: 04 Dec 2021 22:00

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 427
Ion Ratio	Lower Upper
43 100	
61 30.2	13.0 19.6#
70 0.0	8.7 13.1#



#38

Carbon Tetrachloride

Concen: 7.238 ug/l

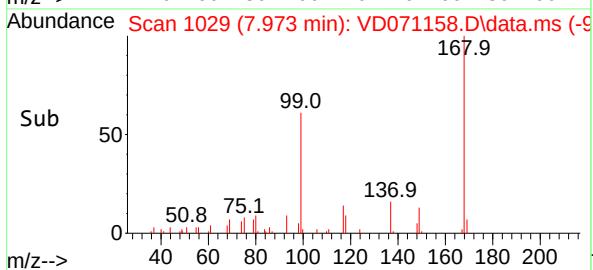
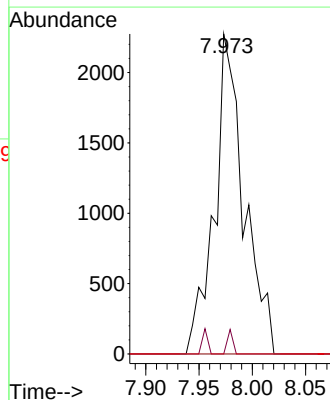
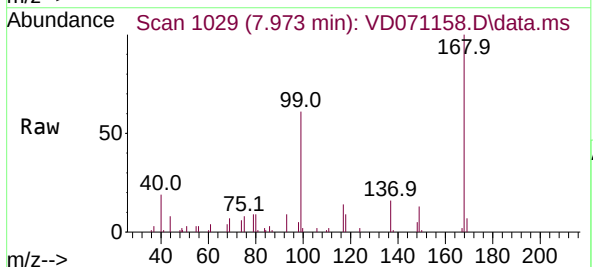
RT: 7.973 min Scan# 1029

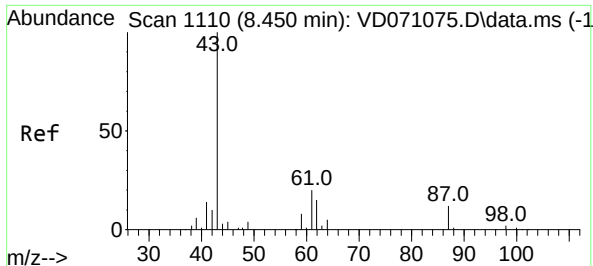
Delta R.T. -0.124 min

Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

Tgt Ion: 117	Resp: 4376
Ion Ratio	Lower Upper
117 100	
119 0.0	75.8 113.6#
121 0.0	23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.309 ug/l

RT: 8.432 min Scan# 1110

Delta R.T. -0.018 min

Lab File: VD071158.D

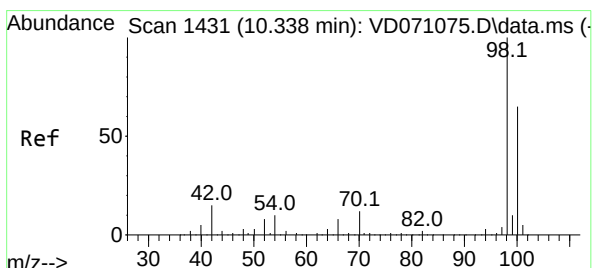
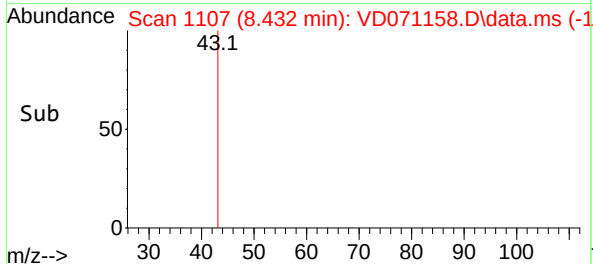
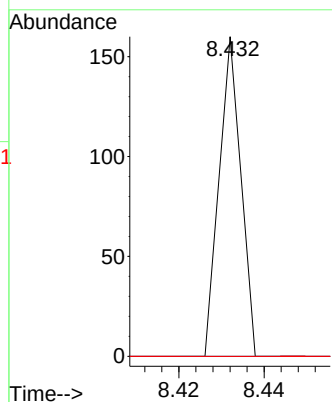
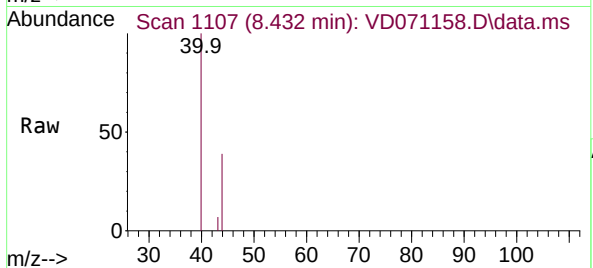
Acq: 04 Dec 2021 22:00

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 56
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.046 ug/l

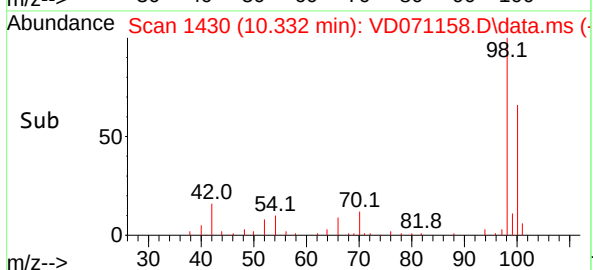
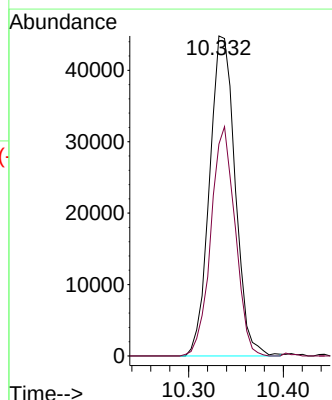
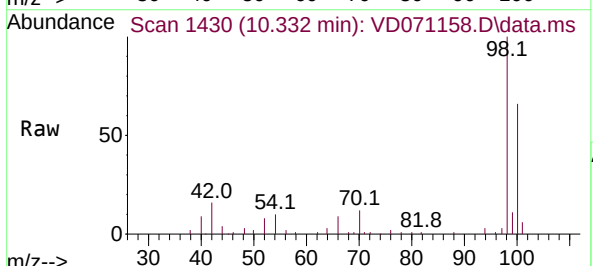
RT: 10.332 min Scan# 1430

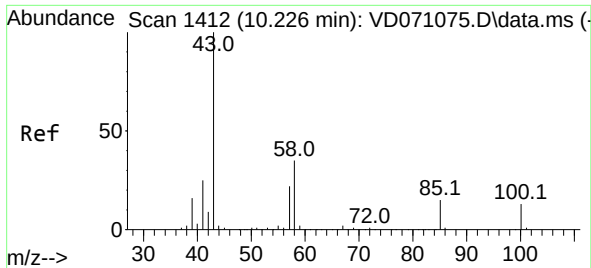
Delta R.T. -0.006 min

Lab File: VD071158.D

Acq: 04 Dec 2021 22:00

Tgt Ion: 98	Resp: 84357
Ion Ratio	Lower Upper
98	100
100	67.7 51.8 77.6

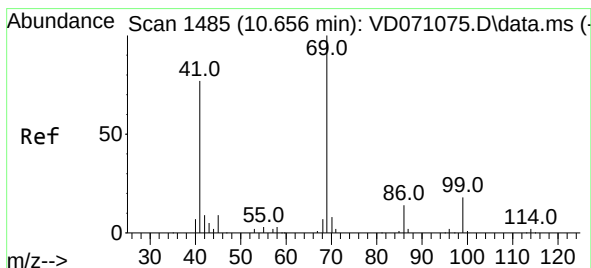
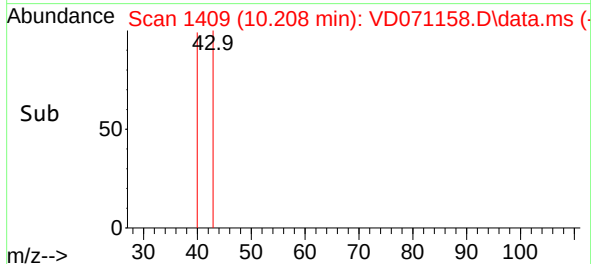
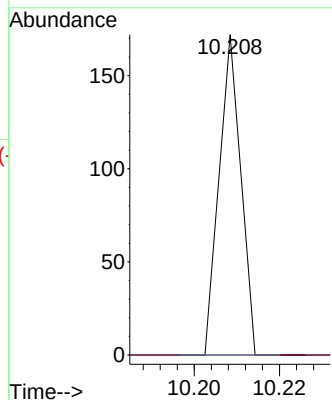
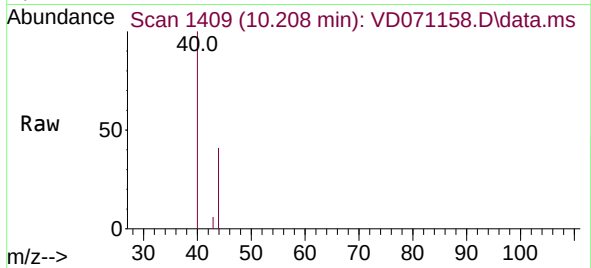




#51
4-Methyl-2-Pentanone
Concen: 30.831 ug/l
RT: 10.208 min Scan# 1409
Delta R.T. -0.018 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

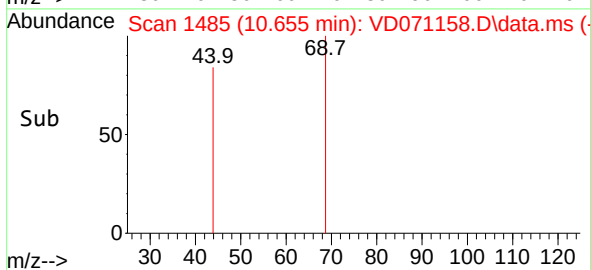
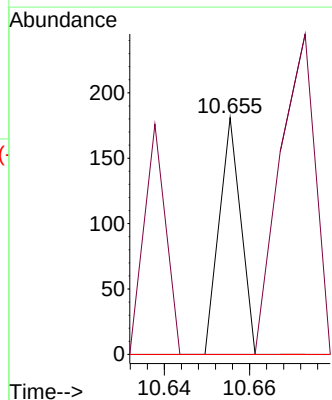
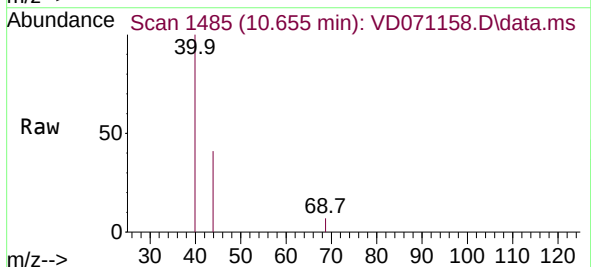
Instrument :
MSVOA_D
ClientSampleId :

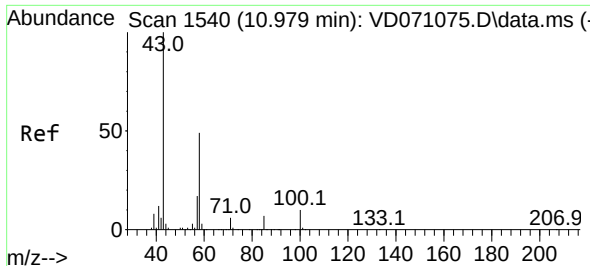
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.102 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 220.3 50.2 75.2#
39 0.0 19.8 29.8#

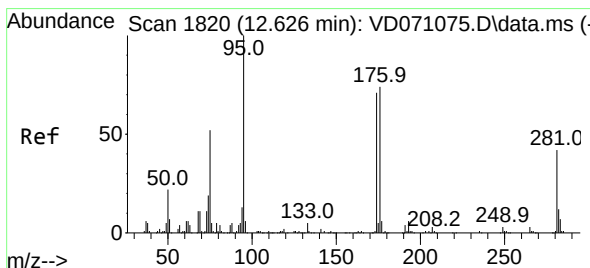
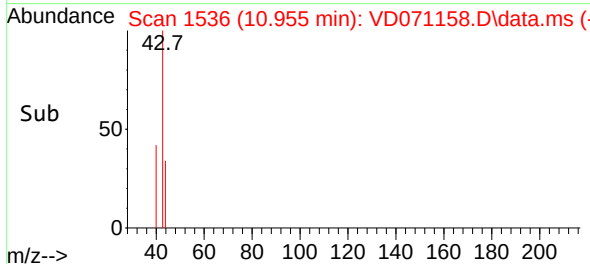
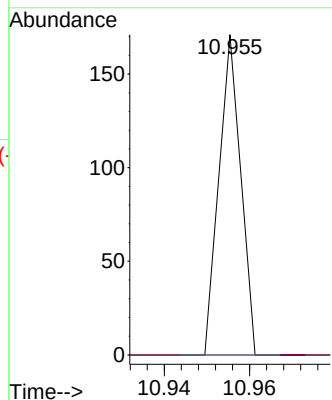
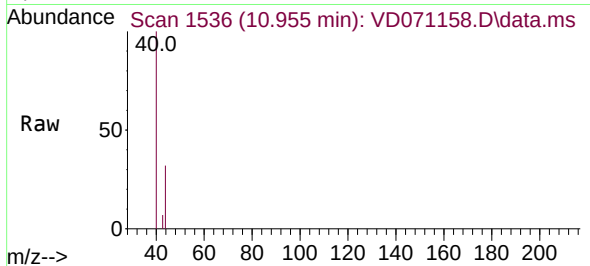




#59
2-Hexanone
Concen: 34.804 ug/l
RT: 10.955 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

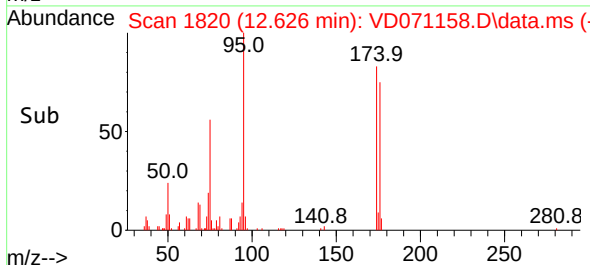
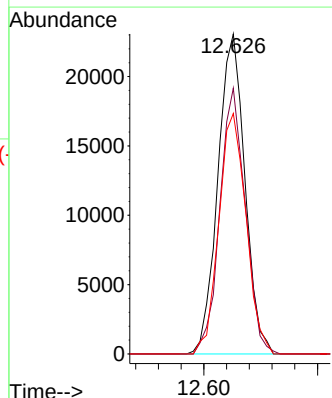
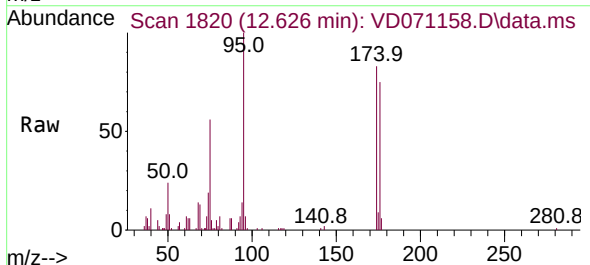
Instrument :
MSVOA_D
ClientSampleId :

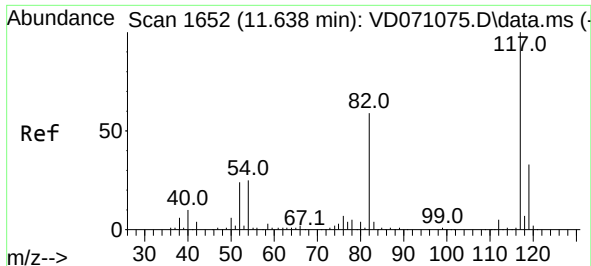
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 69.036 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

Tgt Ion: 95 Resp: 38056
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.4
176 75.8 0.0 154.0

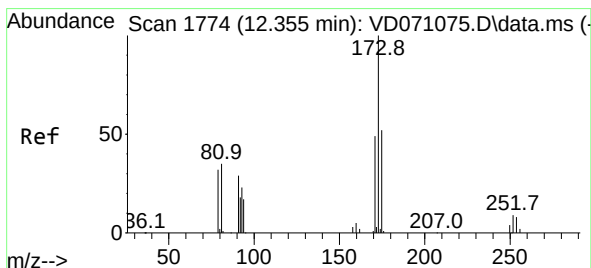
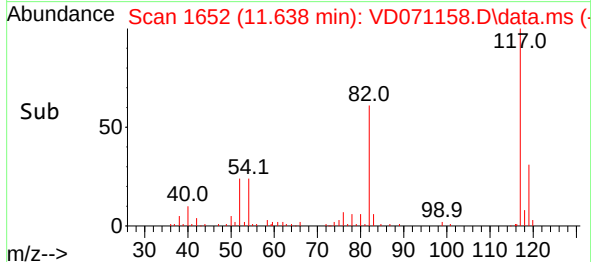
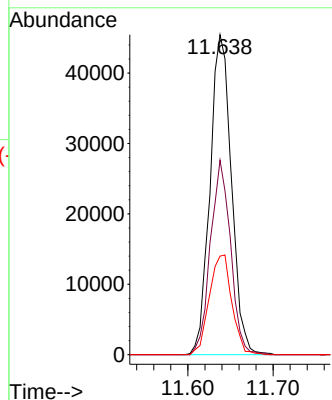
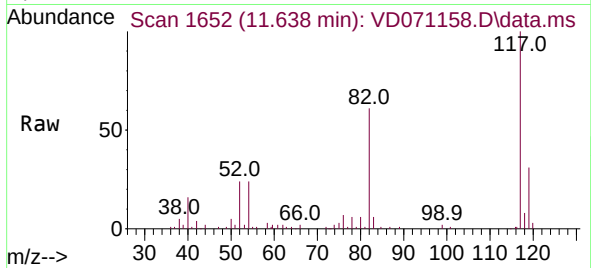




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

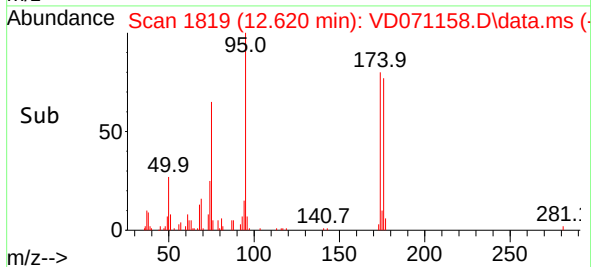
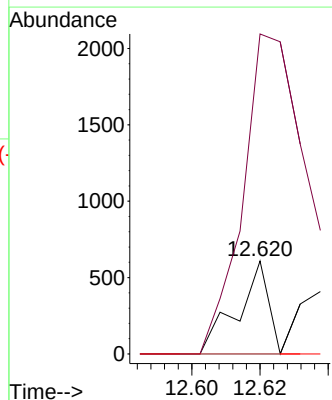
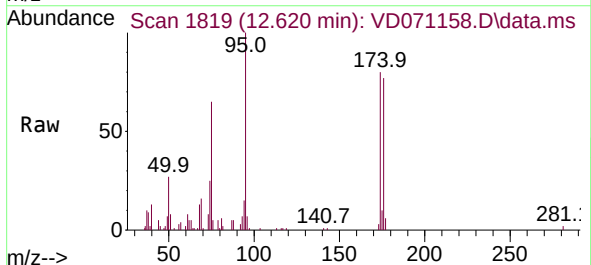
Instrument :
MSVOA_D
ClientSampleId :

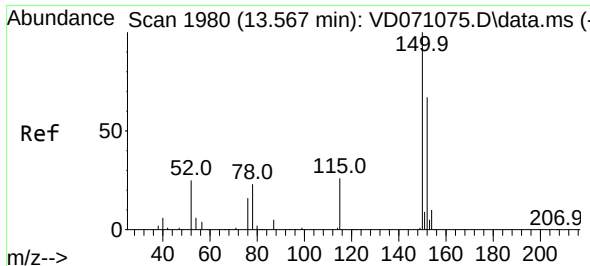
Tgt Ion:117 Resp: 79406
Ion Ratio Lower Upper
117 100
82 60.8 44.7 67.1
119 30.8 26.2 39.4



#71
Bromoform
Concen: 1.389 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

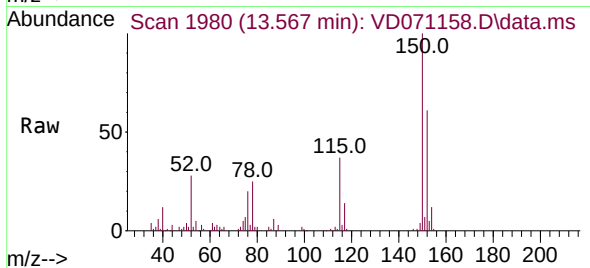
Tgt Ion:173 Resp: 387
Ion Ratio Lower Upper
173 100
175 609.0 24.1 72.2#
254 0.0 0.1 0.1#



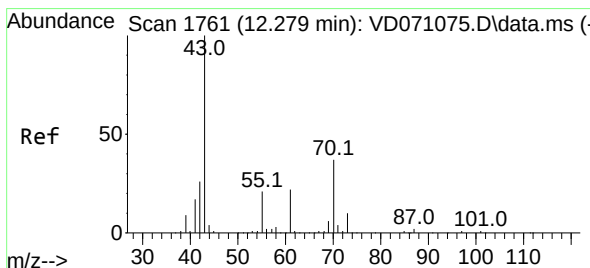
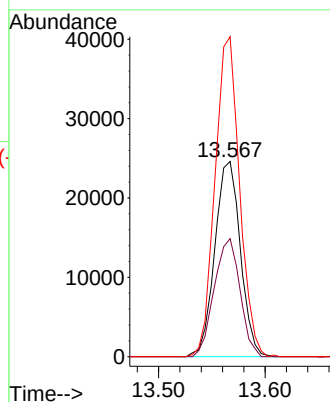
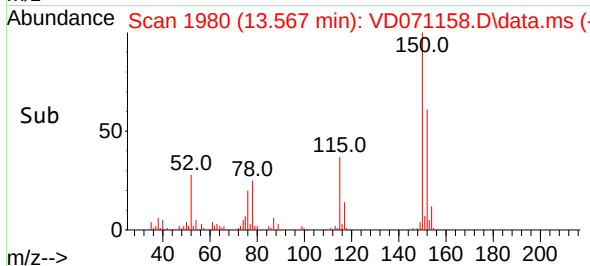


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

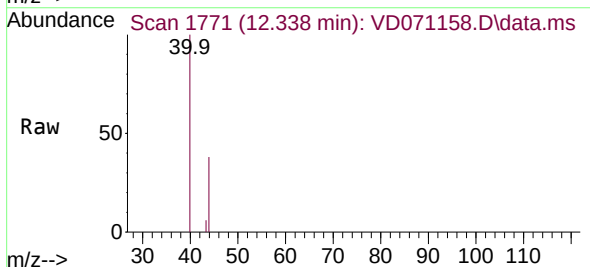
Instrument :
MSVOA_D
ClientSampleId :



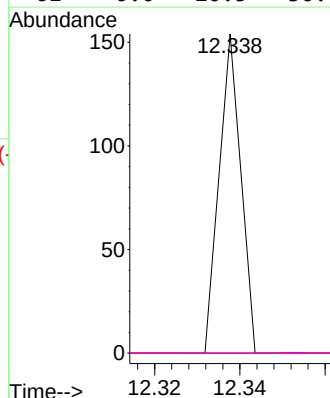
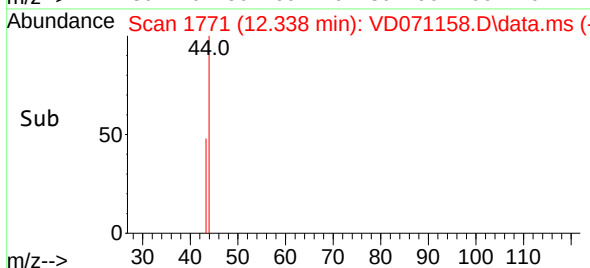
Tgt Ion:152 Resp: 40934
Ion Ratio Lower Upper
152 100
115 60.9 29.8 89.3
150 157.4 0.0 349.2

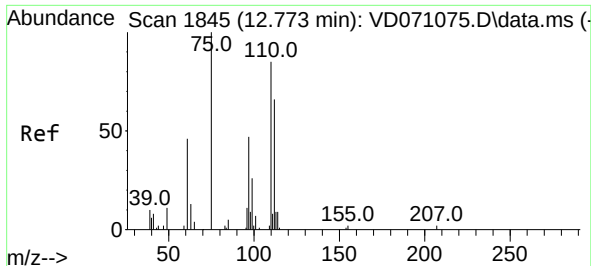


#74
N-ethyl acetate
Concen: 5.760 ug/l
RT: 12.338 min Scan# 1771
Delta R.T. 0.059 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00



Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#

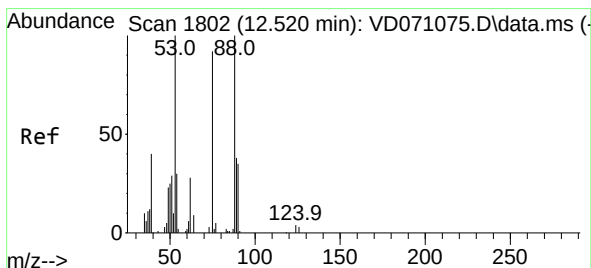
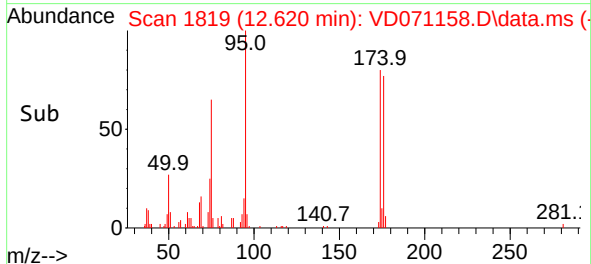
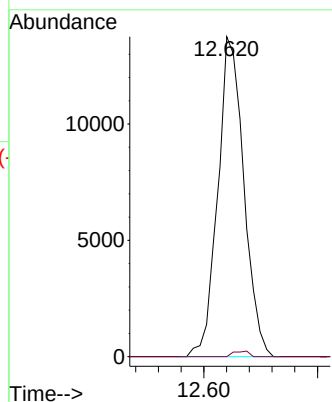
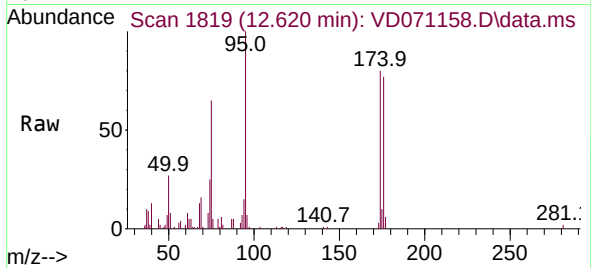




#76
1,2,3-Trichloropropane
Concen: 56.072 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

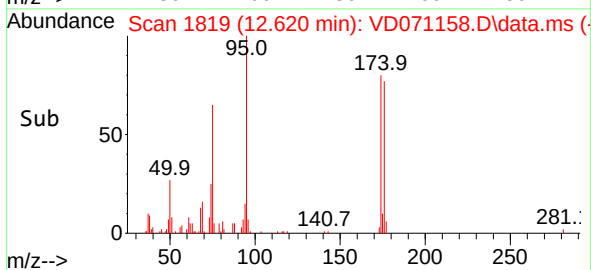
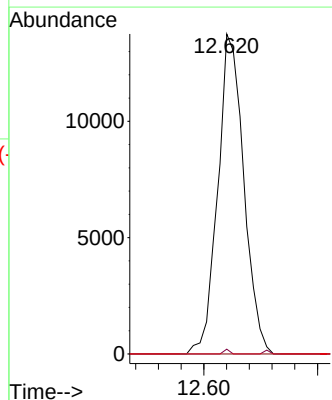
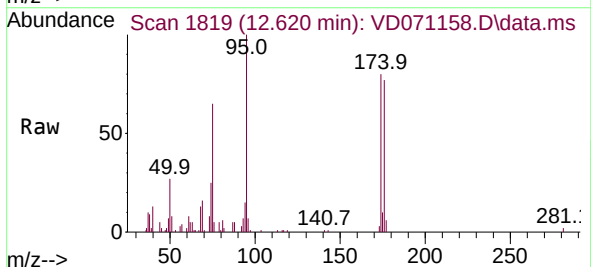
Instrument :
MSVOA_D
ClientSampleId :

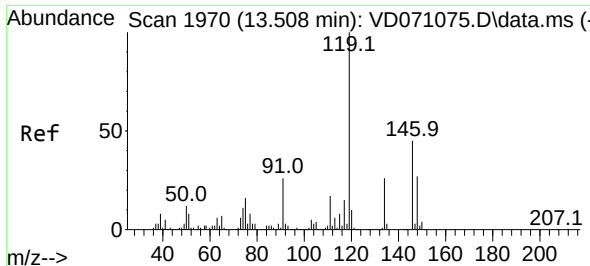
Tgt Ion: 75 Resp: 21868
Ion Ratio Lower Upper
75 100
77 1.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 121.777 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

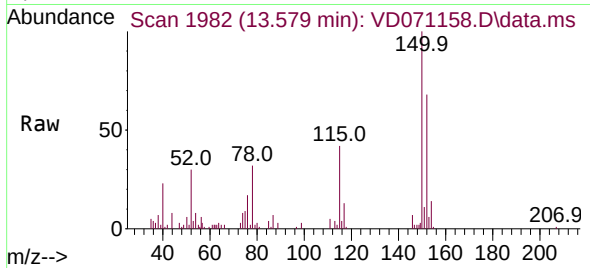
Tgt Ion: 75 Resp: 21868
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.0 34.5 51.7#



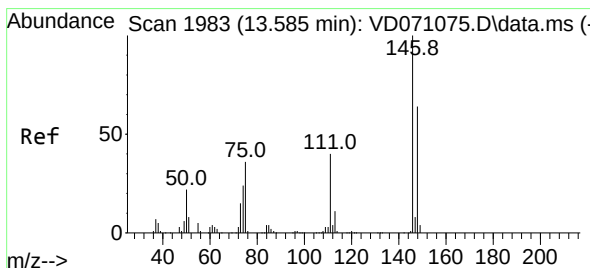
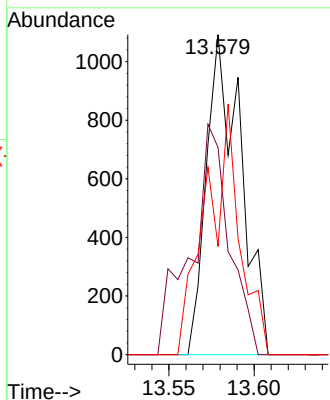
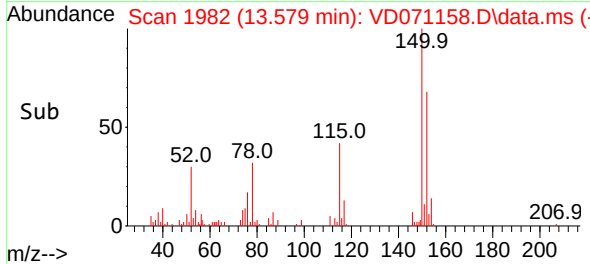


#87
1,3-Dichlorobenzene
Concen: 1.196 ug/l
RT: 13.579 min Scan# 1970
Delta R.T. 0.071 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00

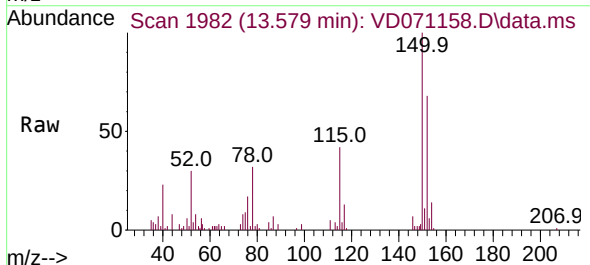
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:146 Resp: 1528
Ion Ratio Lower Upper
146 100
111 80.4 19.8 59.4#
148 76.2 32.1 96.3



#88
1,4-Dichlorobenzene
Concen: 1.207 ug/l
RT: 13.579 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VD071158.D
Acq: 04 Dec 2021 22:00



Tgt Ion:146 Resp: 1528
Ion Ratio Lower Upper
146 100
111 80.4 19.6 58.8#
148 76.2 31.5 94.5

