

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071179.D
 Acq On : 07 Dec 2021 13:17
 Operator : VA/SY
 Sample : M4944-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:48:40 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)

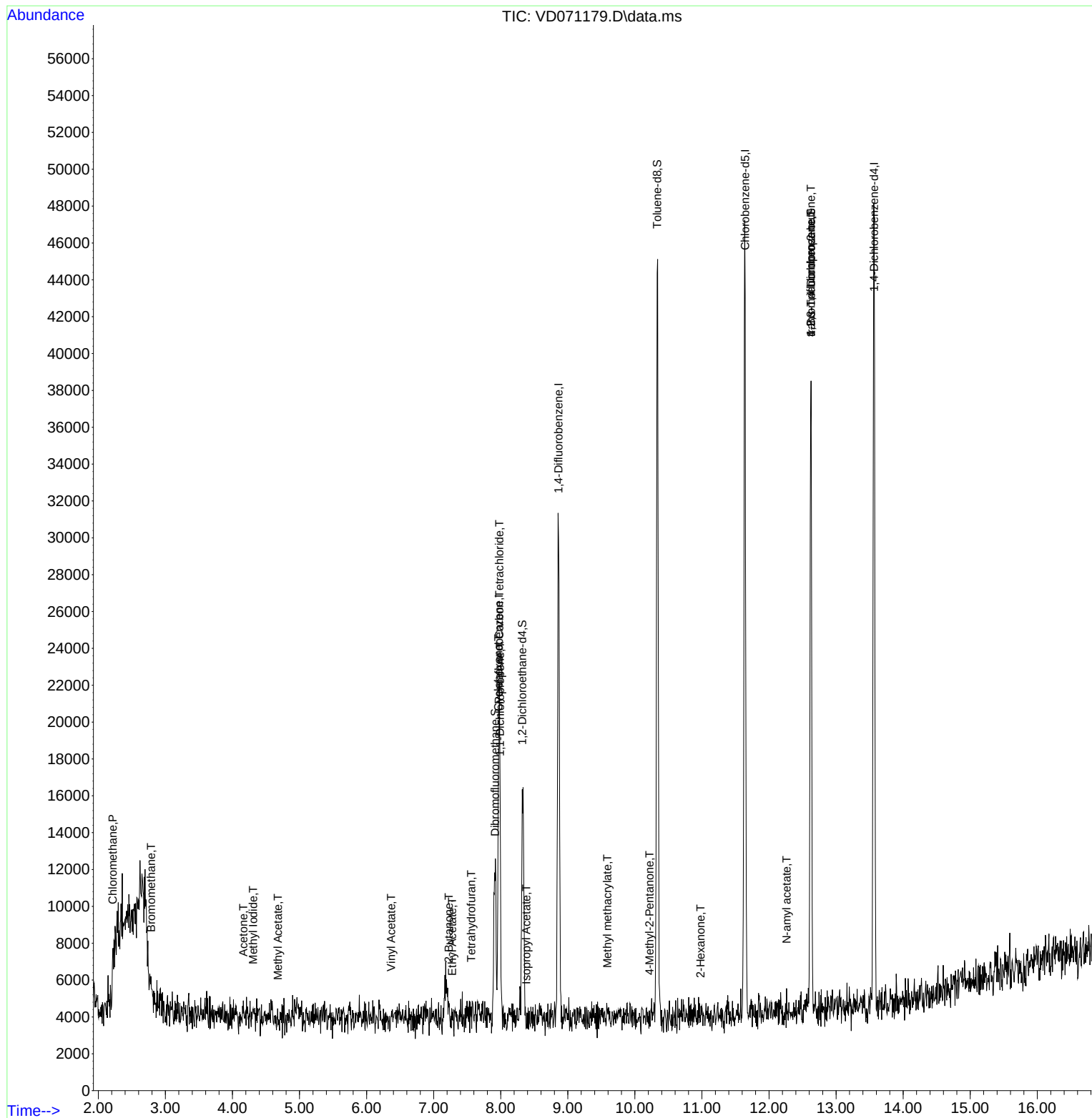
Internal Standards						
1) Pentafluorobenzene	7.973	168	12380	50.00	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.861	114	20491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	22751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	11326	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	9949	68.49	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 136.98%			
35) Dibromofluoromethane	7.914	113	6624	50.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.52%			
50) Toluene-d8	10.332	98	27173	54.72	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.44%			
62) 4-Bromofluorobenzene	12.626	95	11025	64.05	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 128.10%			
Target Compounds						Qvalue
3) Chloromethane	2.215	50	451	3.23	ug/l	98
5) Bromomethane	2.785	94	924	8.23	ug/l	86
10) Methyl Iodide	4.309	142	494	7.66	ug/l #	55
11) Tert butyl alcohol	5.203	59	87	Below Cal	#	71
16) Acetone	4.162	43	495	42.05	ug/l #	40
18) Methyl Acetate	4.679	43	146	1.36	ug/l #	51
20) Methylene Chloride	4.968	84	130	Below Cal	#	7
23) Vinyl Acetate	6.367	43	114	27.65	ug/l #	72
25) 2-Butanone	7.226	43	213	32.60	ug/l #	45
29) Tetrahydrofuran	7.561	42	59	2.56	ug/l #	34
31) Cyclohexane	7.967	56	435	1.76	ug/l #	1
36) 1,1-Dichloropropene	7.991	75	1275	6.66	ug/l #	41
37) Ethyl Acetate	7.273	43	133	1.61	ug/l #	66
38) Carbon Tetrachloride	7.979	117	1393	7.38	ug/l #	12
41) Methacrylonitrile	7.544	41	56	Below Cal	#	12
43) Isopropyl Acetate	8.379	43	60	5.52	ug/l #	47
48) Methyl methacrylate	9.591	41	132	1.63	ug/l #	15
51) 4-Methyl-2-Pentanone	10.220	43	88	31.48	ug/l #	34
59) 2-Hexanone	10.979	43	80	35.55	ug/l #	22
74) N-amyl acetate	12.261	43	123	6.19	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	6007	55.67	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	6007	120.94	ug/l #	18

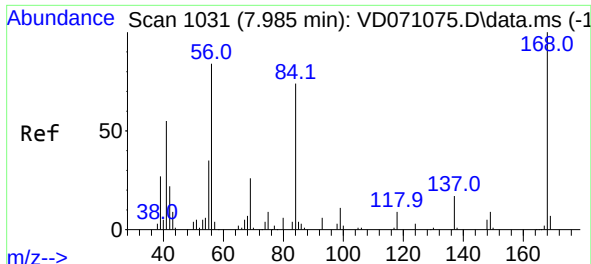
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

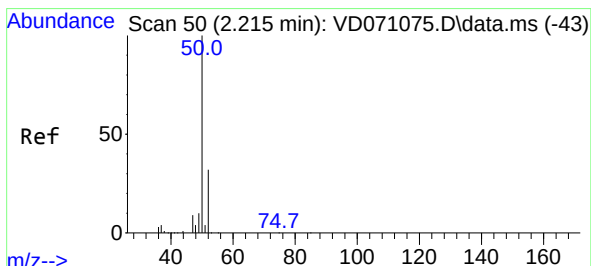
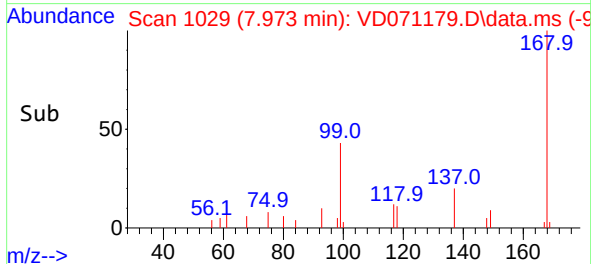
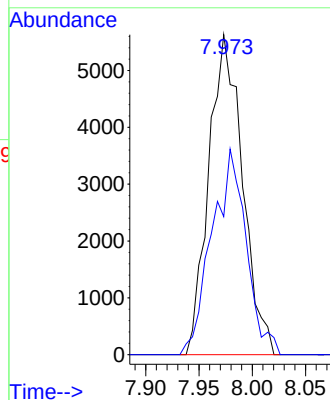
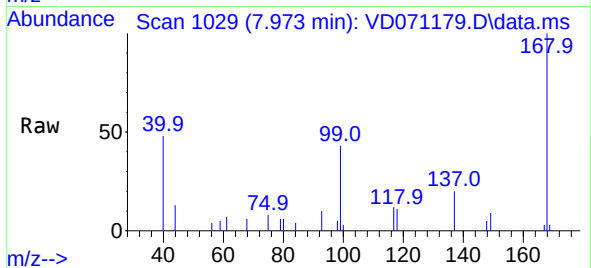




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

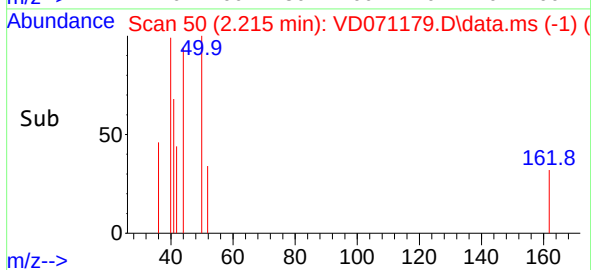
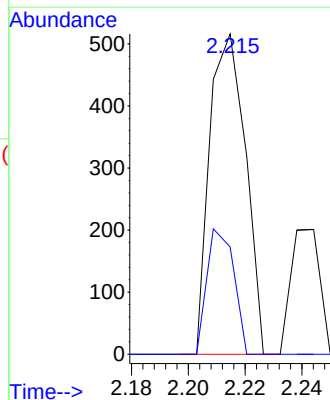
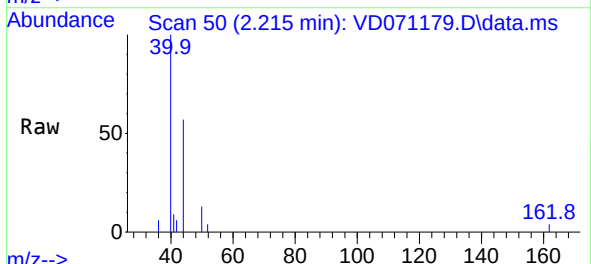
Instrument :
MSVOA_D
ClientSampleId :

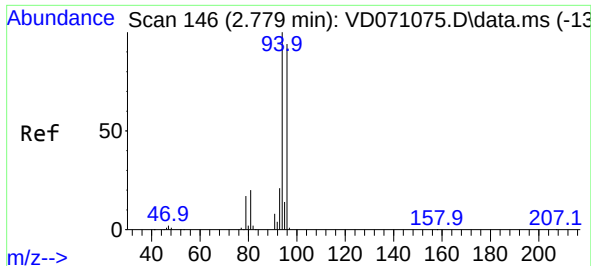
Tgt Ion:168 Resp: 12380
Ion Ratio Lower Upper
168 100
99 43.2 46.6 69.8#



#3
Chloromethane
Concen: 3.23 ug/l
RT: 2.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 50 Resp: 451
Ion Ratio Lower Upper
50 100
52 33.5 25.8 38.8

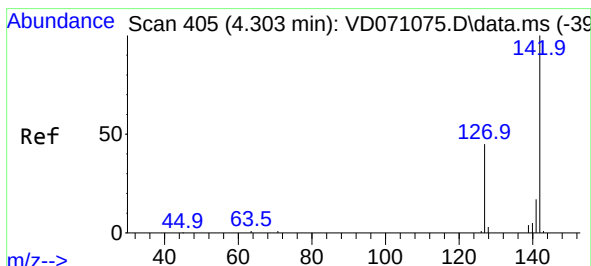
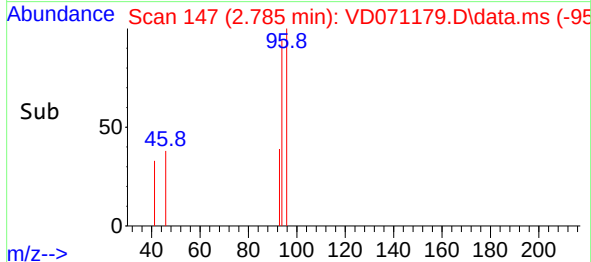
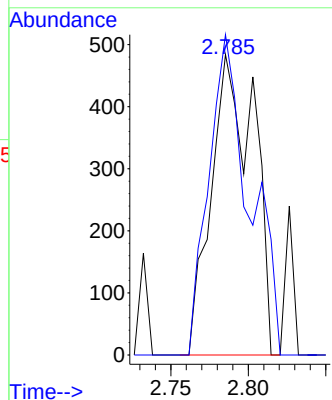
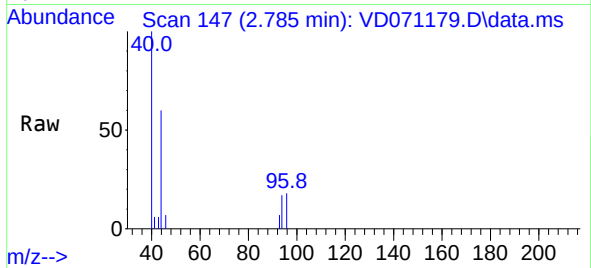




#5
Bromomethane
Concen: 8.23 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

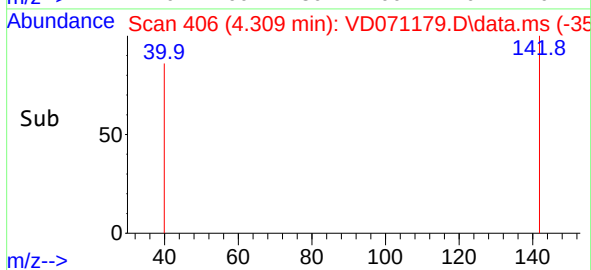
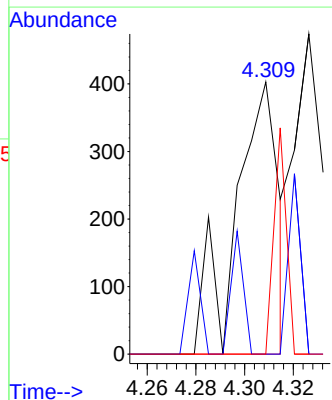
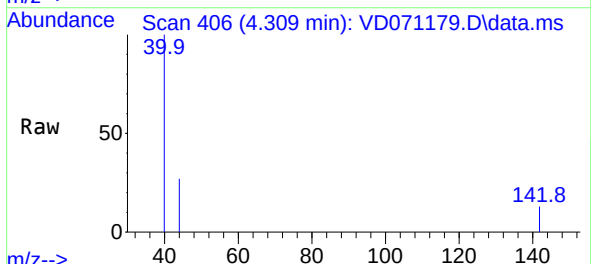
Instrument :
MSVOA_D
ClientSampleId :

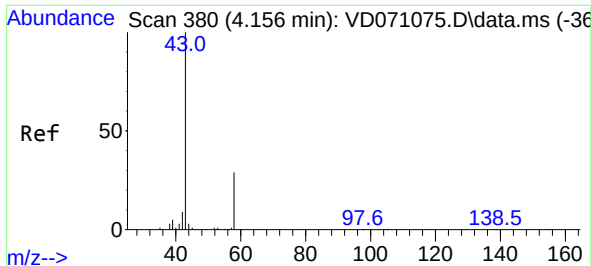
Tgt Ion: 94 Resp: 924
Ion Ratio Lower Upper
94 100
96 106.6 74.8 112.2



#10
Methyl Iodide
Concen: 7.66 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 142 Resp: 494
Ion Ratio Lower Upper
142 100
127 13.0 35.0 52.4#
141 0.0 12.0 18.0#

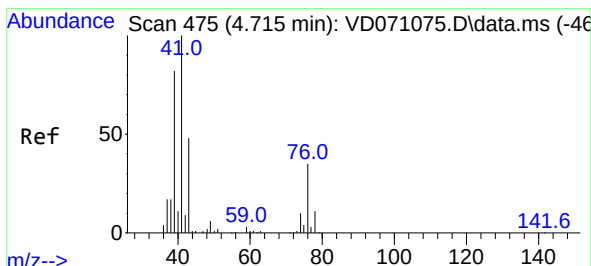
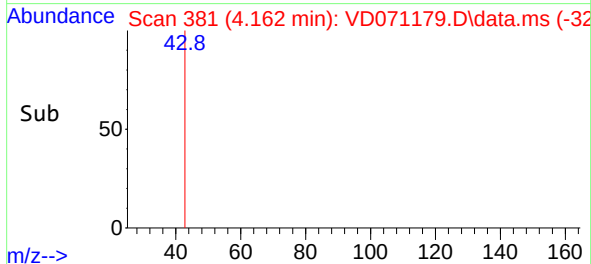
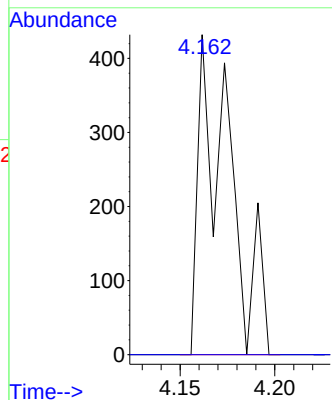
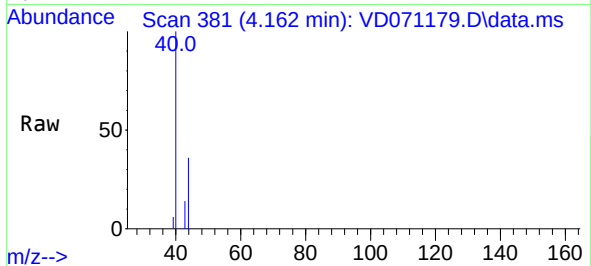




#16
Acetone
Concen: 42.05 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

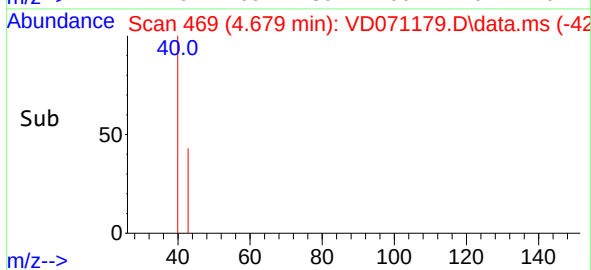
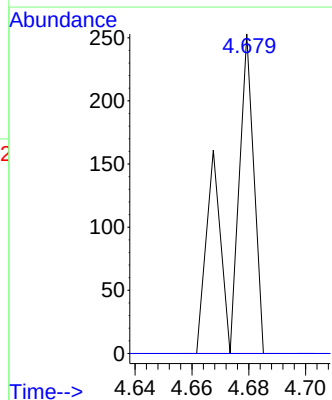
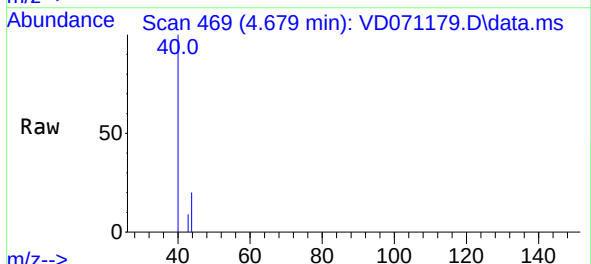
Instrument :
MSVOA_D
ClientSampleId :

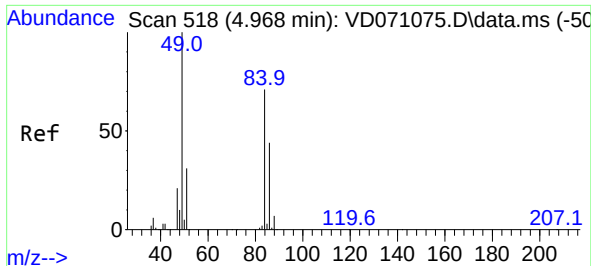
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.36 ug/l
RT: 4.679 min Scan# 469
Delta R.T. -0.036 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.968 min Scan# 518

Delta R.T. -0.000 min

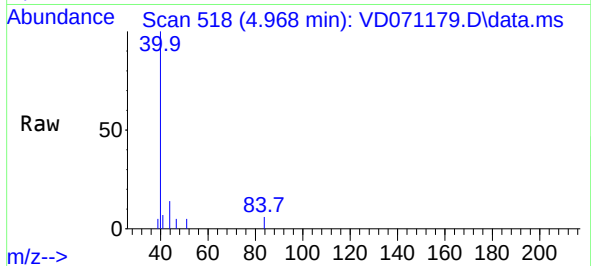
Lab File: VD071179.D

Acq: 07 Dec 2021 13:17

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 130

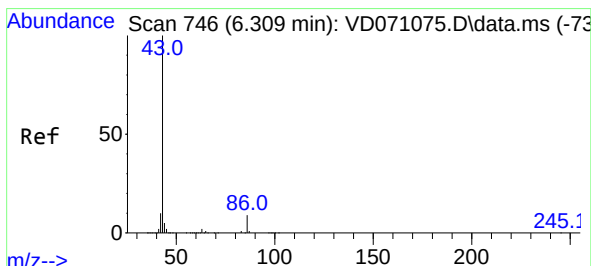
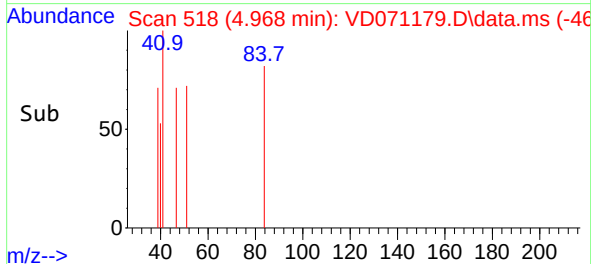
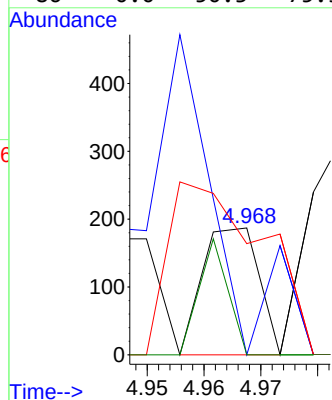
Ion Ratio Lower Upper

84 100

49 0.0 95.8 143.6#

51 0.0 30.9 46.3#

86 0.0 50.3 75.5#



#23

Vinyl Acetate

Concen: 27.65 ug/l

RT: 6.367 min Scan# 756

Delta R.T. 0.058 min

Lab File: VD071179.D

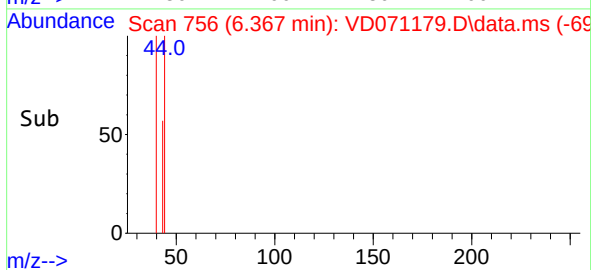
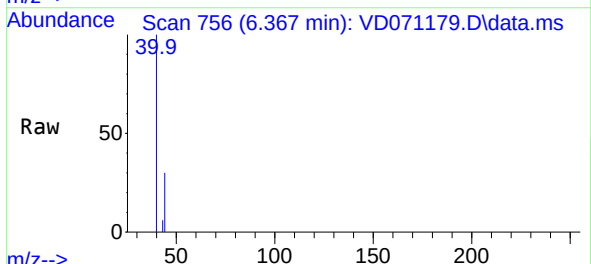
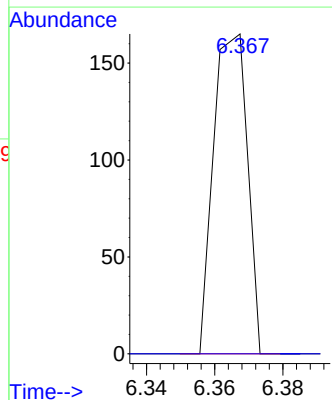
Acq: 07 Dec 2021 13:17

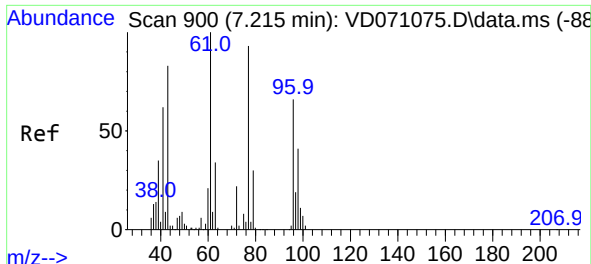
Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#

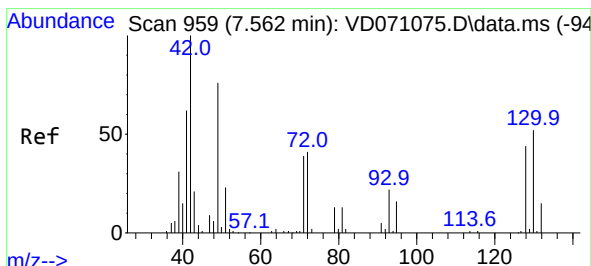
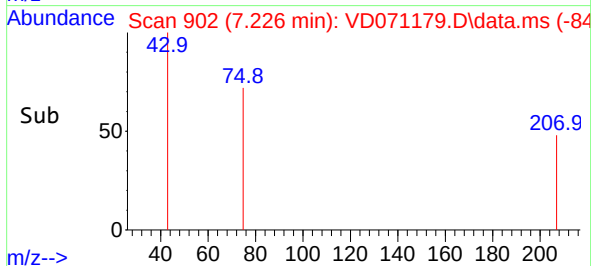
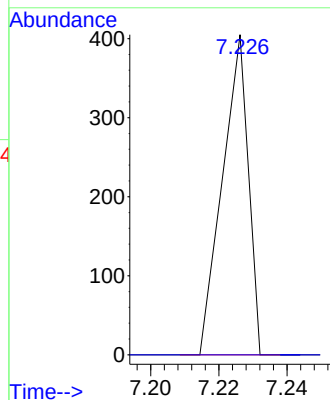
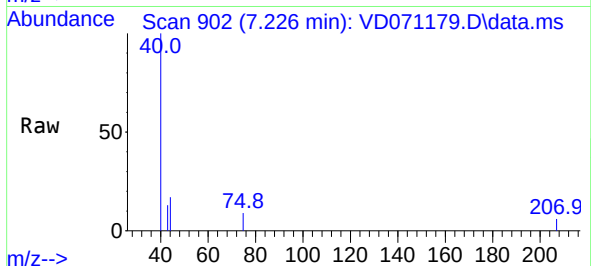




#25
2-Butanone
Concen: 32.60 ug/l
RT: 7.226 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

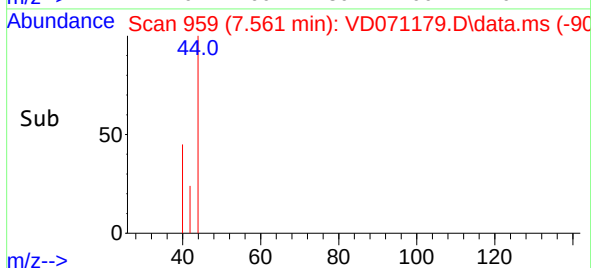
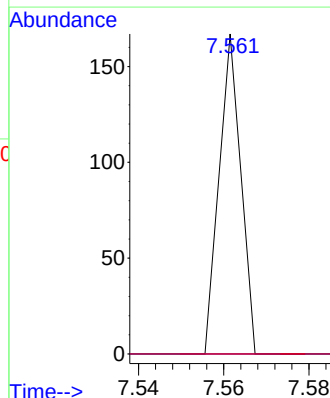
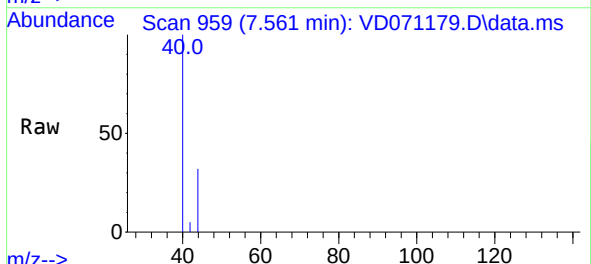
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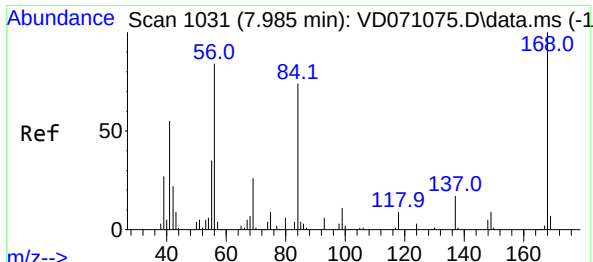
Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 2.56 ug/l
RT: 7.561 min Scan# 959
Delta R.T. -0.001 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

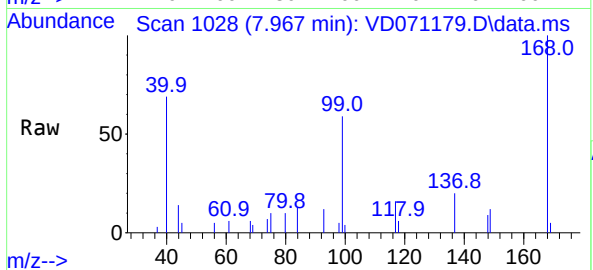
Tgt Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



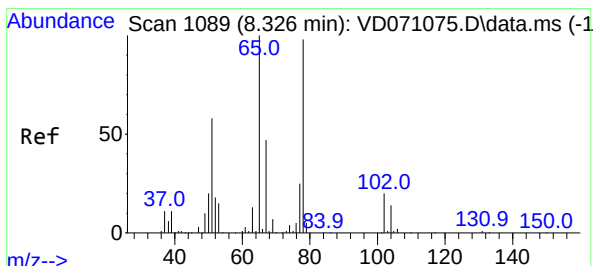
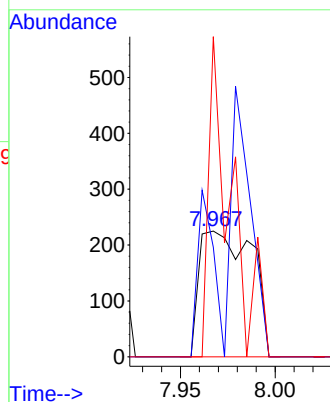
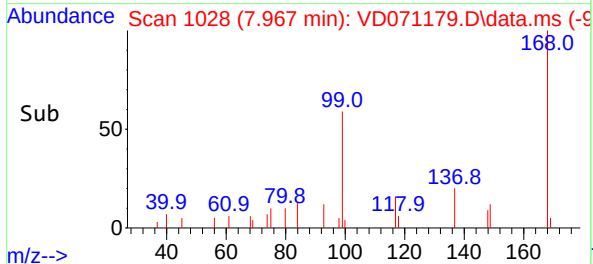


#31
Cyclohexane
Concen: 1.76 ug/l
RT: 7.967 min Scan# 1031
Delta R.T. -0.018 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

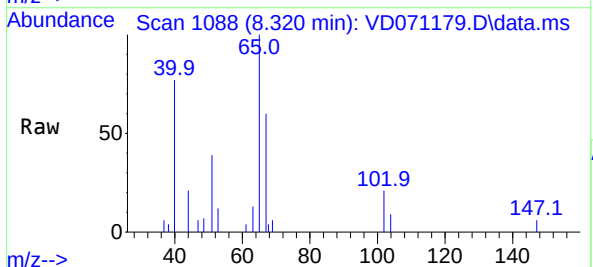
Instrument :
MSVOA_D
ClientSampleId :



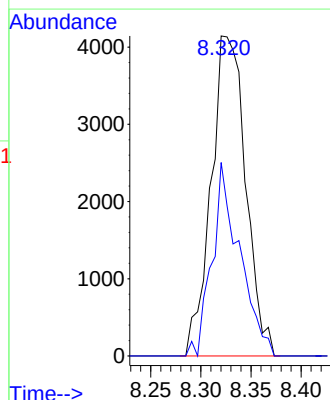
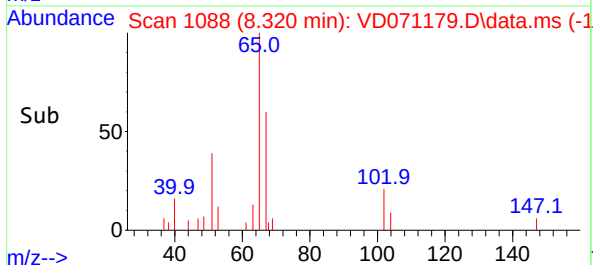
Tgt Ion: 56 Resp: 435
Ion Ratio Lower Upper
56 100
69 87.1 25.9 38.9#
84 254.7 64.3 96.5#

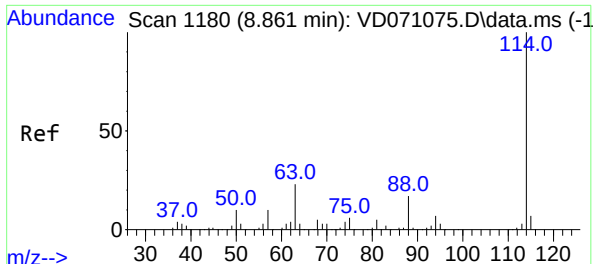


#33
1,2-Dichloroethane-d4
Concen: 68.49 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17



Tgt Ion: 65 Resp: 9949
Ion Ratio Lower Upper
65 100
67 48.1 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071179.D

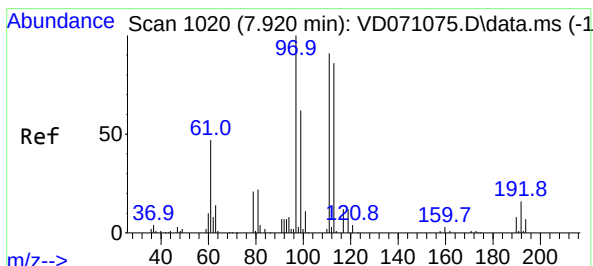
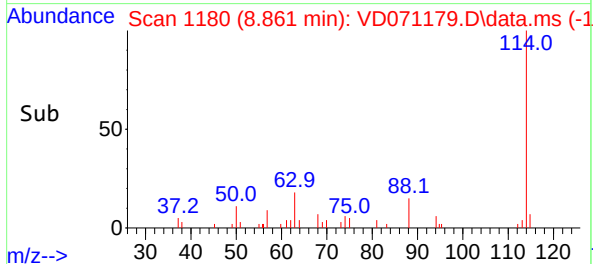
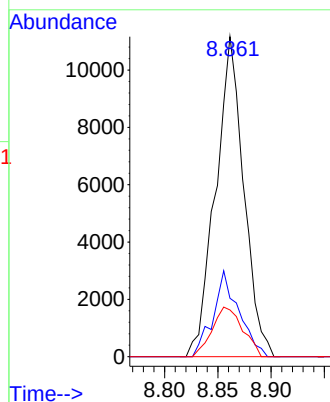
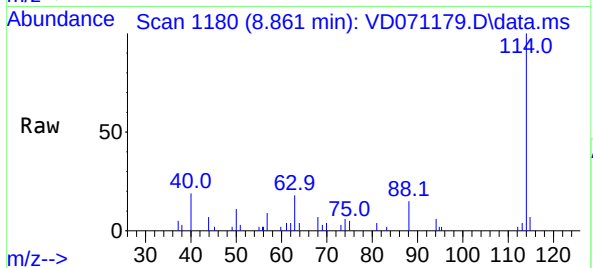
Acq: 07 Dec 2021 13:17

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	114	Resp:	20491
Ion Ratio	Lower	Upper	
114	100		
63	18.2	0.0	41.8
88	14.6	0.0	32.8



#35

Dibromofluoromethane

Concen: 50.76 ug/l

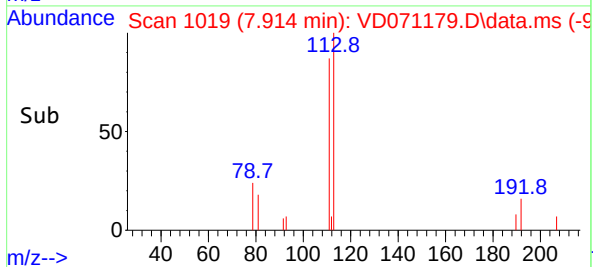
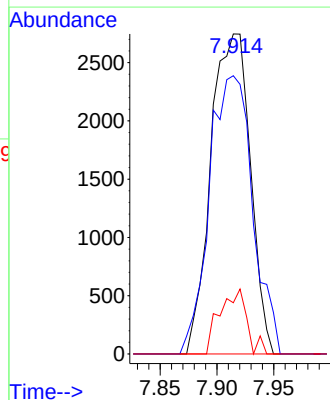
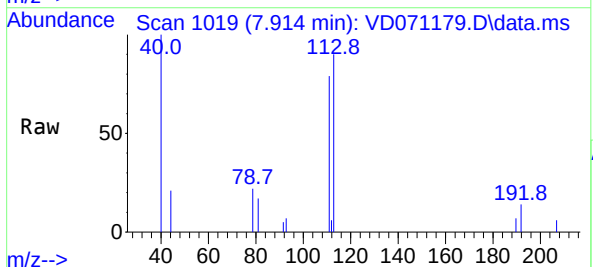
RT: 7.914 min Scan# 1019

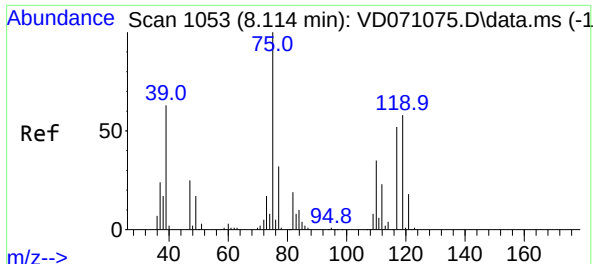
Delta R.T. -0.006 min

Lab File: VD071179.D

Acq: 07 Dec 2021 13:17

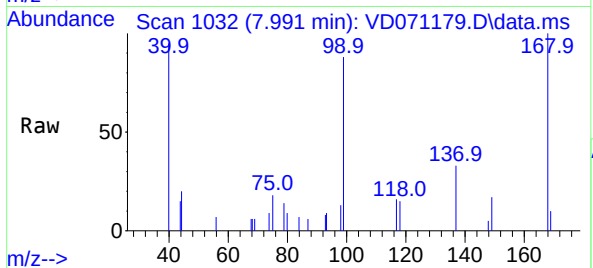
Tgt Ion:	113	Resp:	6624
Ion Ratio	Lower	Upper	
113	100		
111	95.2	82.0	123.0
192	13.9	15.2	22.8#



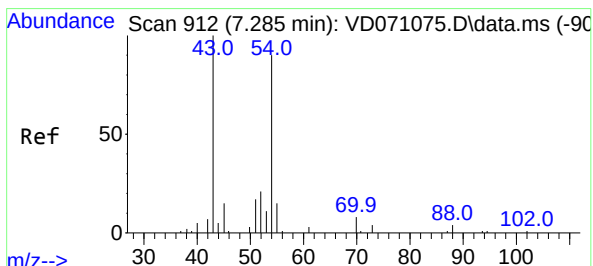
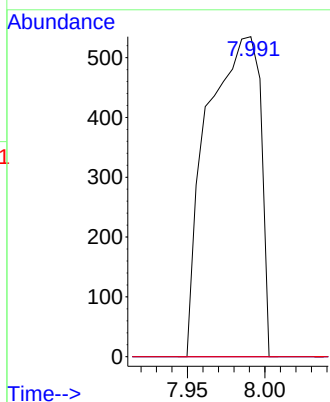
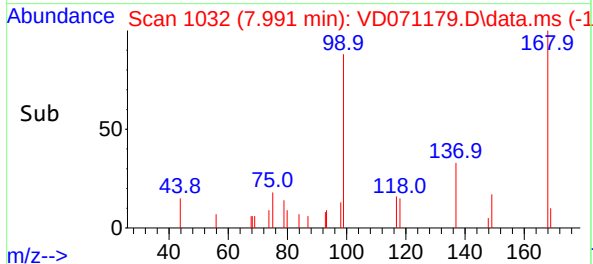


#36
1,1-Dichloropropene
Concen: 6.66 ug/l
RT: 7.991 min Scan# 1053
Delta R.T. -0.123 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

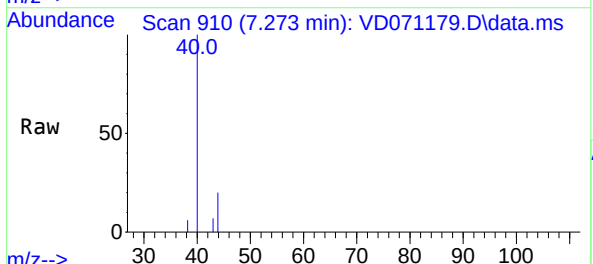
Instrument :
MSVOA_D
ClientSampleId :



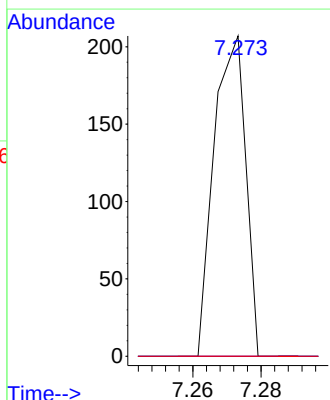
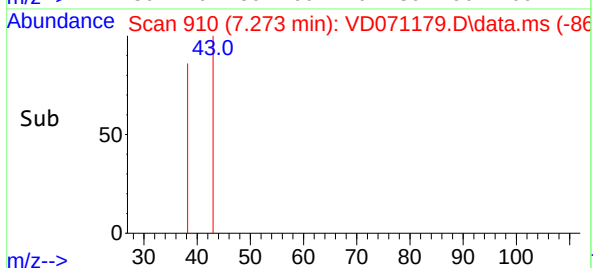
Tgt Ion: 75 Resp: 1275
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#

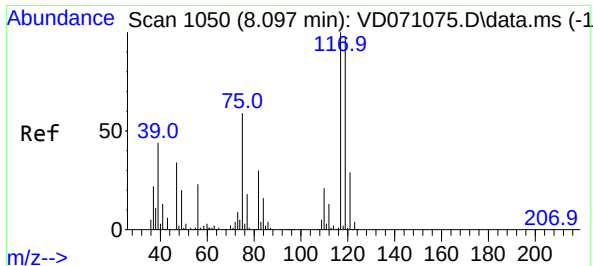


#37
Ethyl Acetate
Concen: 1.61 ug/l
RT: 7.273 min Scan# 910
Delta R.T. -0.012 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17



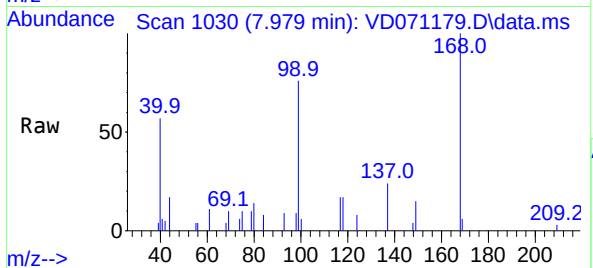
Tgt Ion: 43 Resp: 133
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.6#
70 0.0 8.7 13.1#



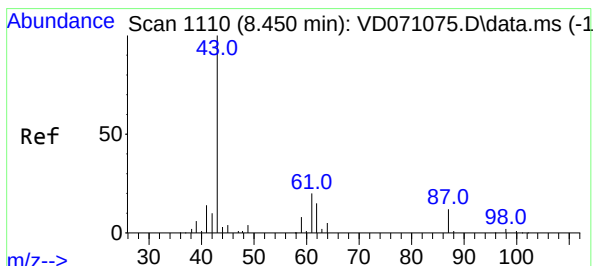
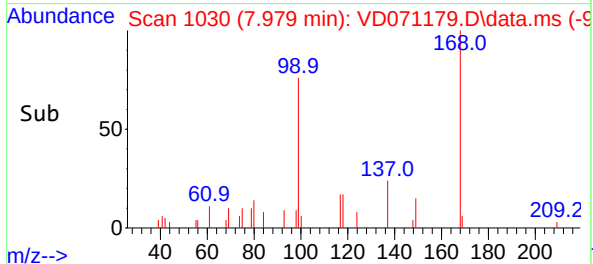
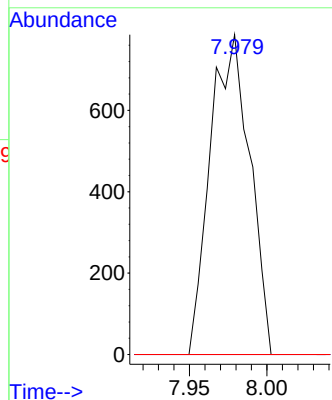


#38
Carbon Tetrachloride
Concen: 7.38 ug/l
RT: 7.979 min Scan# 1098
Delta R.T. -0.118 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Instrument :
MSVOA_D
ClientSampleId :

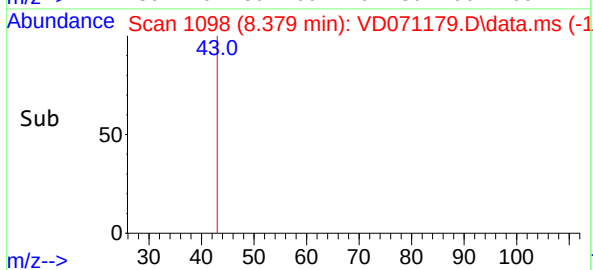
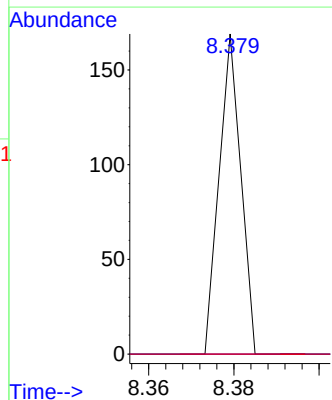
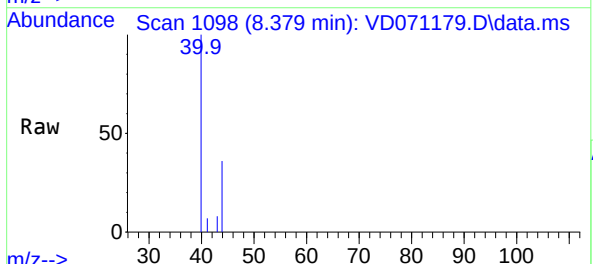


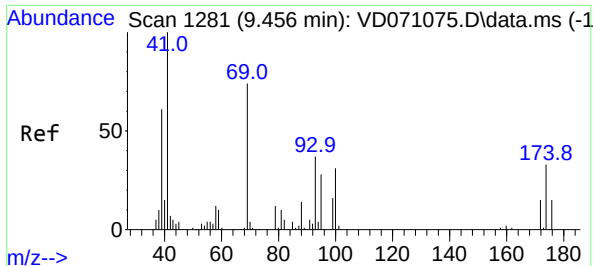
Tgt Ion:117 Resp: 1393
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.52 ug/l
RT: 8.379 min Scan# 1098
Delta R.T. -0.071 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#48

Methyl methacrylate

Concen: 1.63 ug/l

RT: 9.591 min Scan# 11

Delta R.T. 0.135 min

Lab File: VD071179.D

Acq: 07 Dec 2021 13:17

Instrument :

MSVOA_D

ClientSampleId :

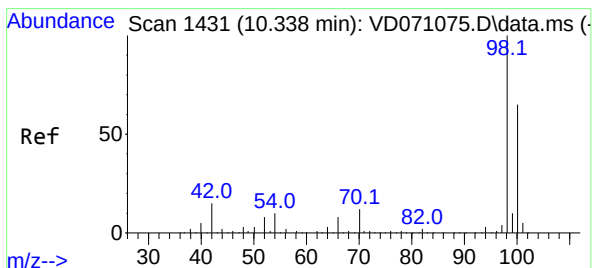
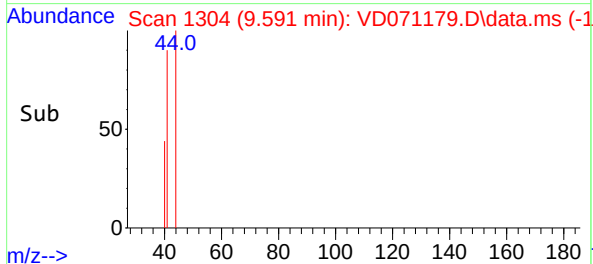
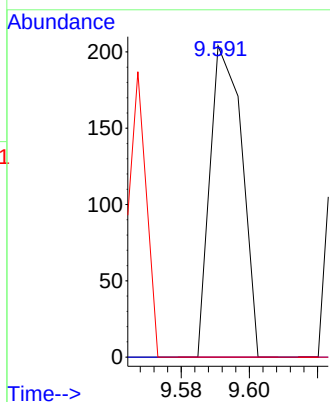
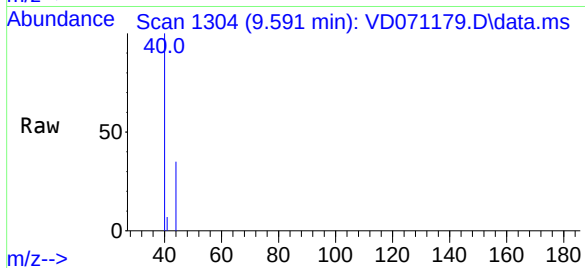
Tgt Ion: 41 Resp: 132

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 0.0 35.6 53.4#



#50

Toluene-d8

Concen: 54.72 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071179.D

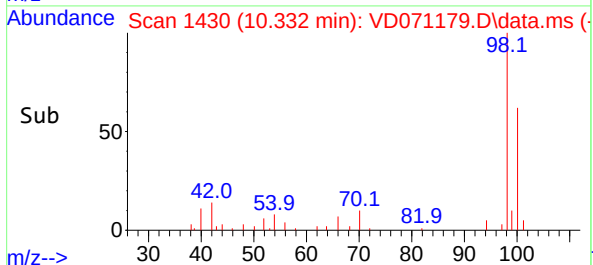
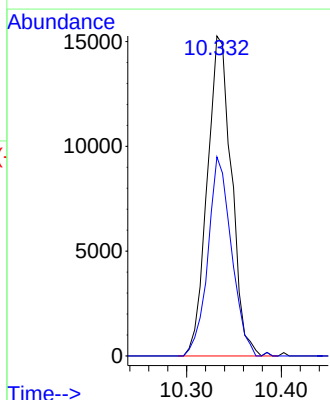
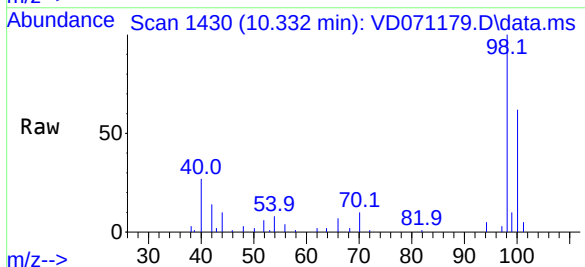
Acq: 07 Dec 2021 13:17

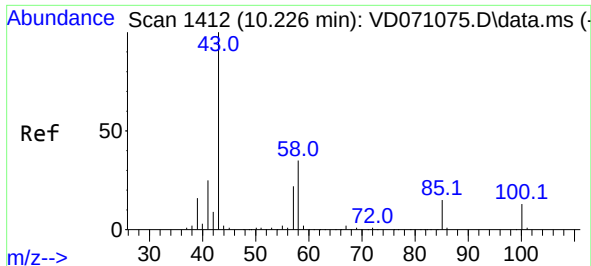
Tgt Ion: 98 Resp: 27173

Ion Ratio Lower Upper

98 100

100 60.2 51.8 77.6

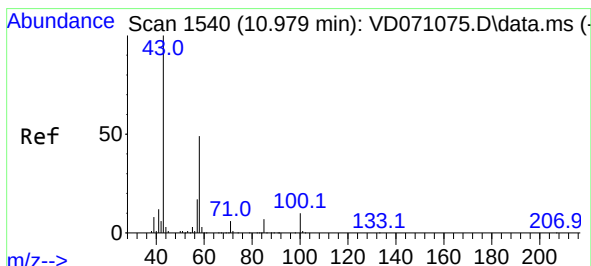
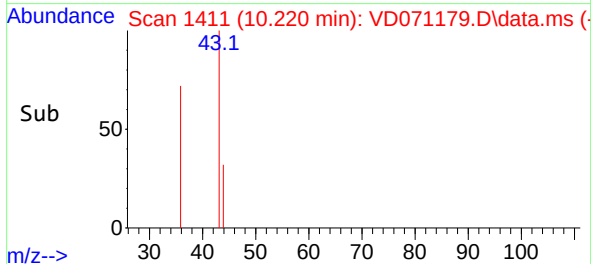
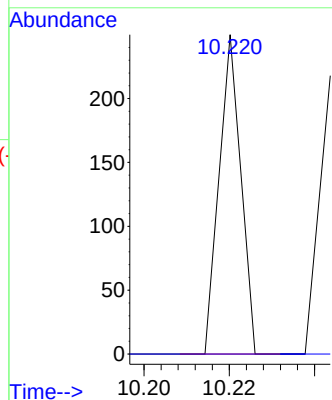
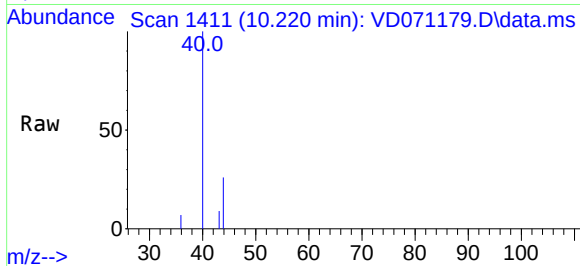




#51
4-Methyl-2-Pentanone
Concen: 31.48 ug/l
RT: 10.220 min Scan# 1412
Delta R.T. -0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

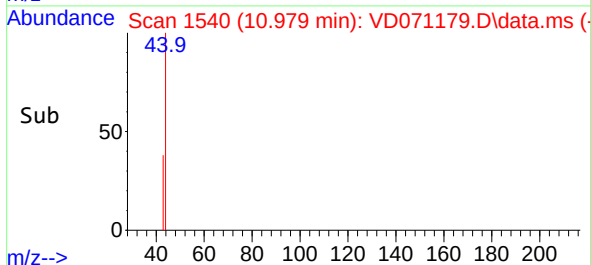
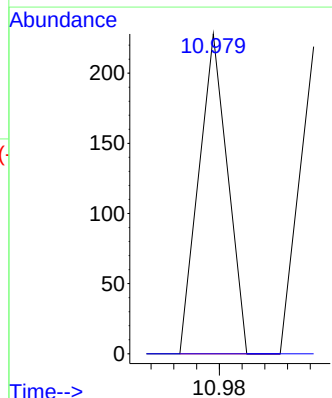
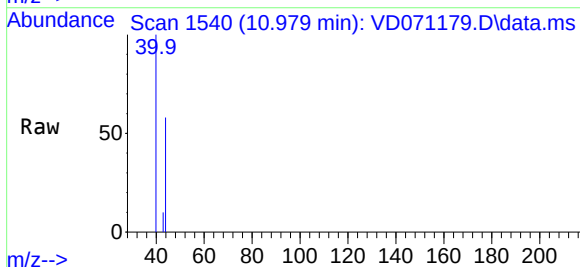
Instrument :
MSVOA_D
ClientSampleId :

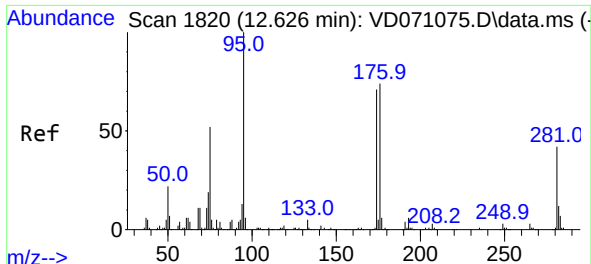
Tgt Ion: 43 Resp: 88
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.55 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

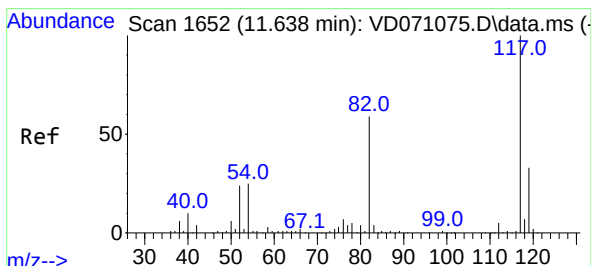
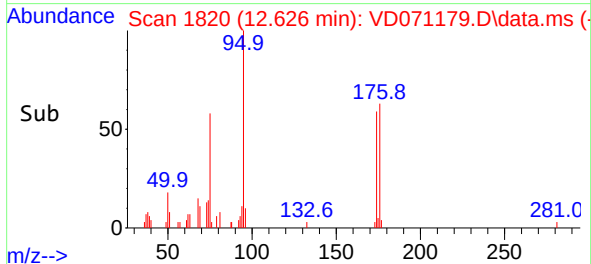
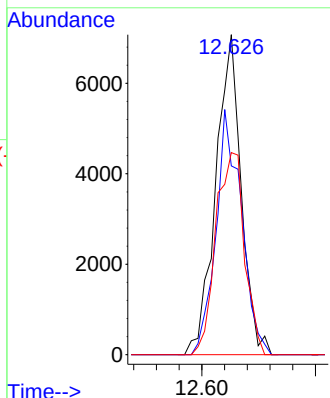
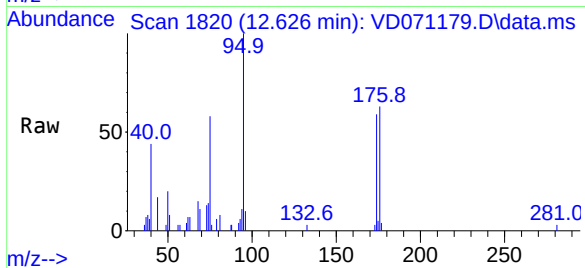




#62
4-Bromofluorobenzene
Concen: 64.05 ug/l
RT: 12.626 min Scan# 11025
Delta R.T. -0.000 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

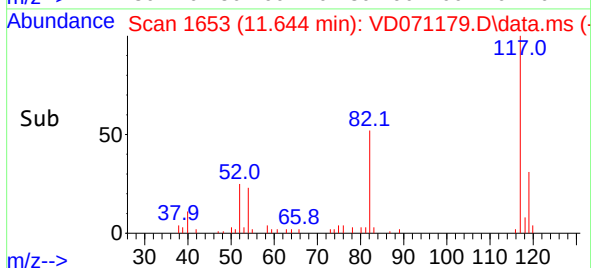
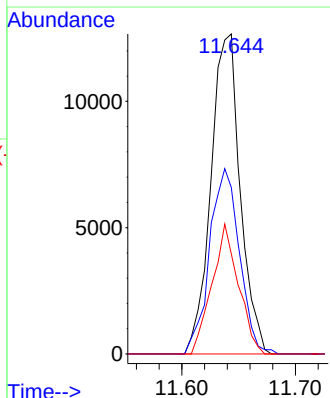
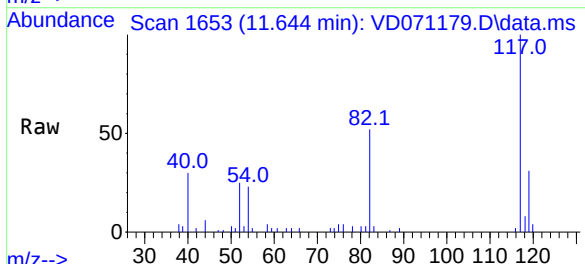
Instrument :
MSVOA_D
ClientSampleId :

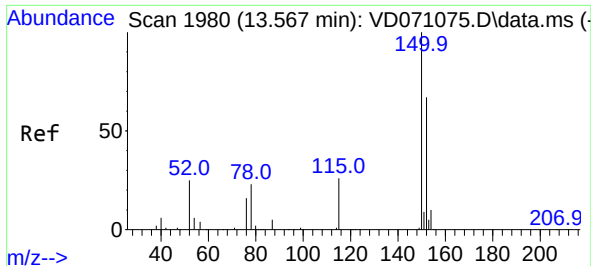
Tgt Ion:	95	Resp:	11025
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	159.4
176	70.9	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.006 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

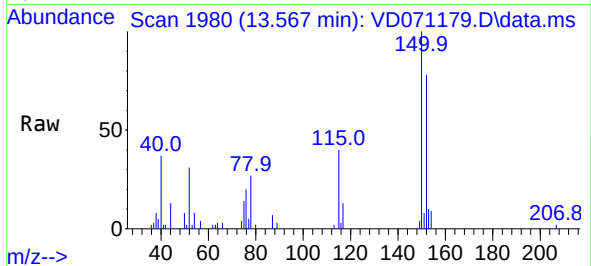
Tgt Ion:	117	Resp:	22751
Ion	Ratio	Lower	Upper
117	100		
82	52.0	44.7	67.1
119	31.2	26.2	39.4



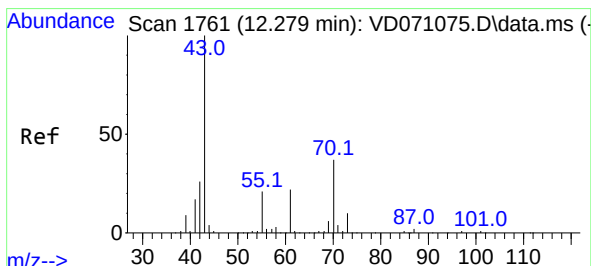
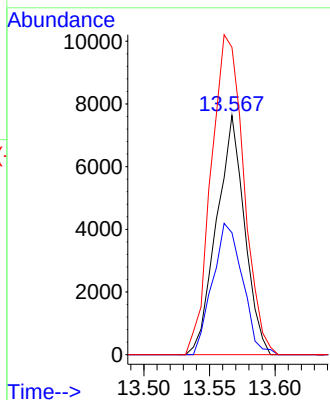
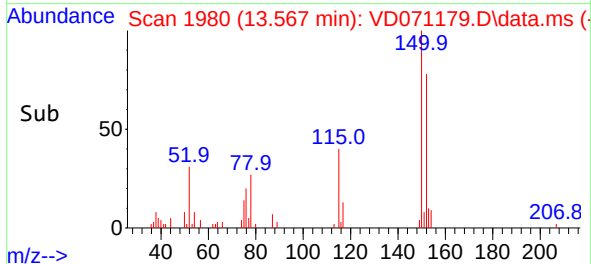


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

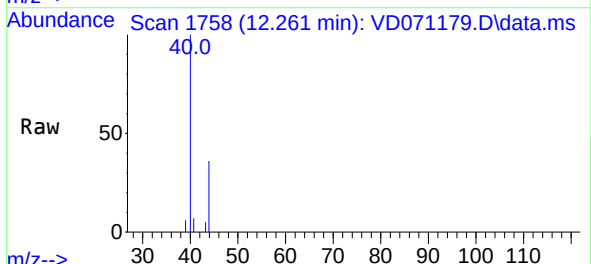
Instrument :
MSVOA_D
ClientSampleId :



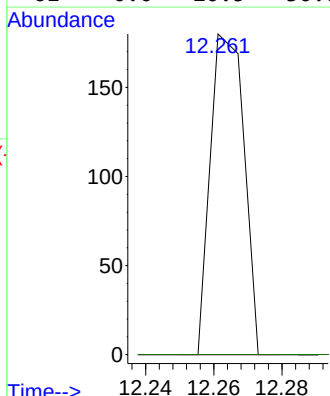
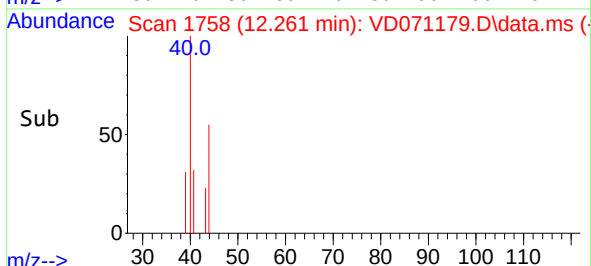
Tgt Ion:152 Resp: 11326
Ion Ratio Lower Upper
152 100
115 58.9 29.8 89.3
150 155.6 0.0 349.2

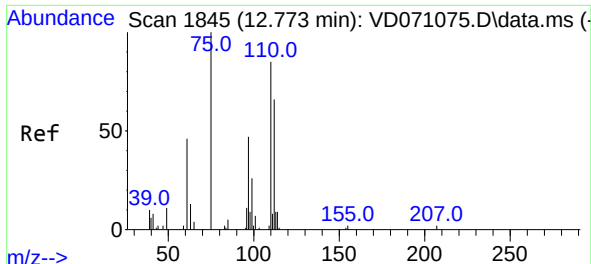


#74
N-ethyl acetate
Concen: 6.19 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17



Tgt Ion: 43 Resp: 123
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#

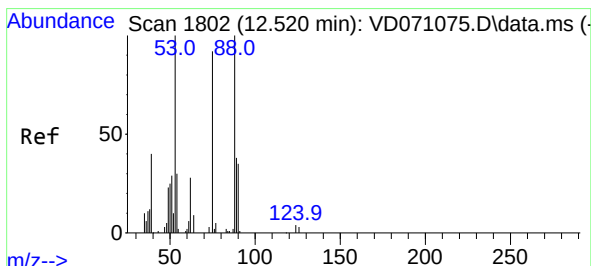
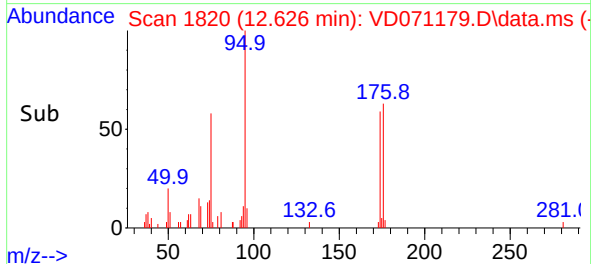
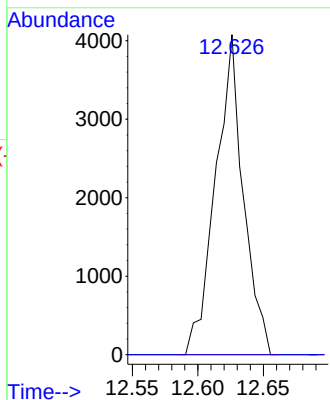
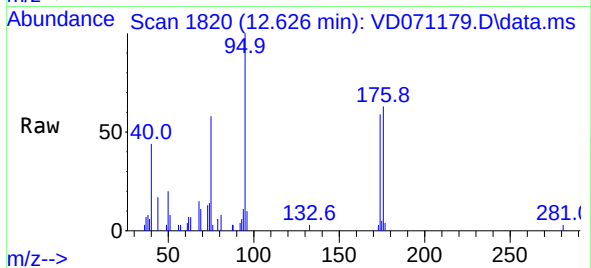




#76
1,2,3-Trichloropropane
Concen: 55.67 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 6007
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.94 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071179.D
Acq: 07 Dec 2021 13:17

Tgt Ion: 75 Resp: 6007
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

