

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071299.D
 Acq On : 13 Dec 2021 16:27
 Operator : VA/SY
 Sample : M5030-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:14:31 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)

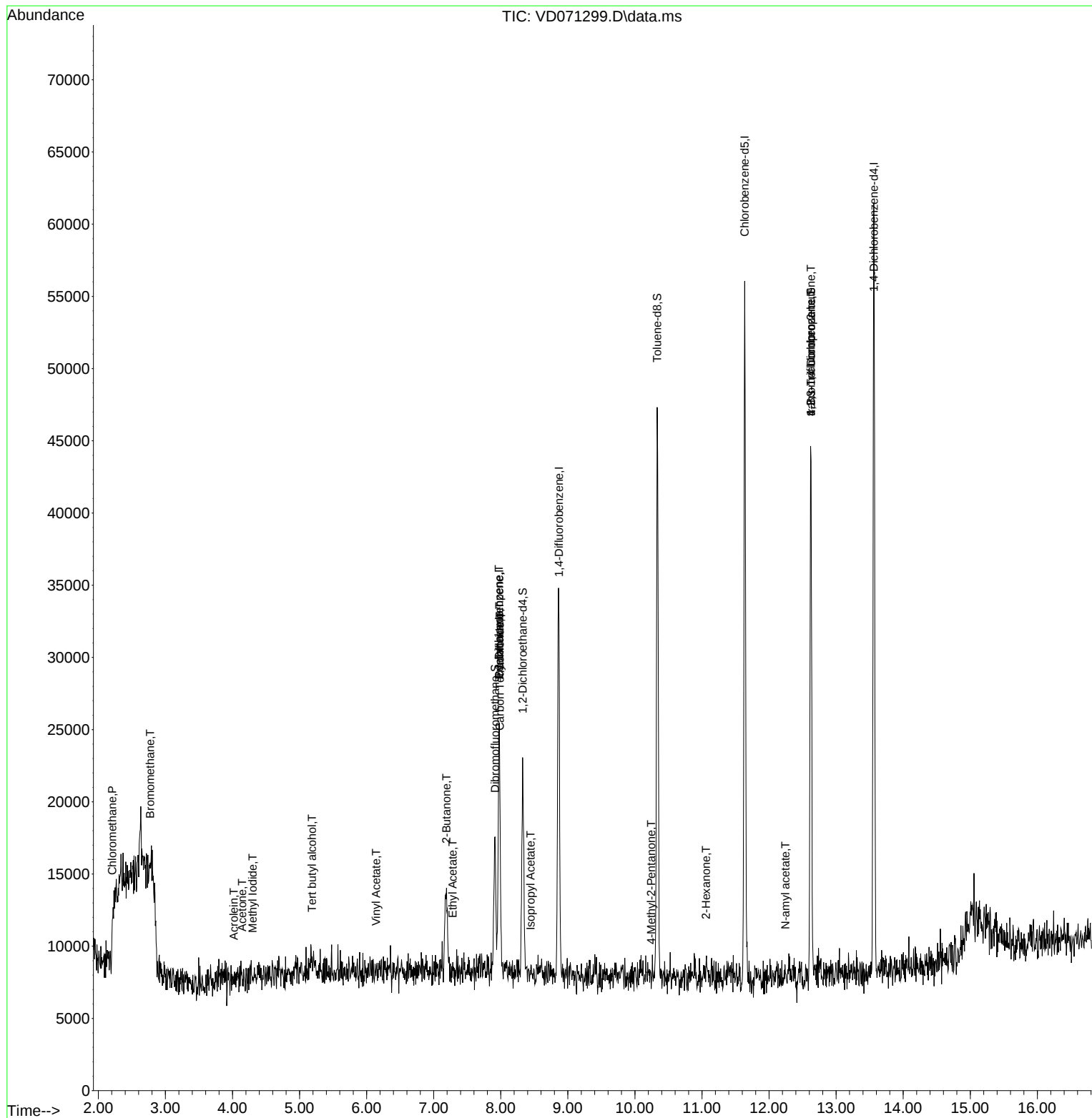
Internal Standards						
1) Pentafluorobenzene	7.979	168	11794	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	20466	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	24279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	12055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	10098	72.968	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.940%	
35) Dibromofluoromethane	7.914	113	6459	49.561	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.120%	
50) Toluene-d8	10.332	98	25632	51.682	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.360%	
62) 4-Bromofluorobenzene	12.626	95	11326	65.881	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 131.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	581	4.367	ug/l #	42
5) Bromomethane	2.773	94	700	6.541	ug/l #	46
10) Methyl Iodide	4.303	142	86	5.127	ug/l #	40
11) Tert butyl alcohol	5.185	59	1182	80.424	ug/l #	71
13) Acrolein	4.020	56	61	6.450	ug/l #	13
16) Acetone	4.144	43	146	34.280	ug/l #	40
20) Methylene Chloride	4.973	84	522	Below Cal	#	54
23) Vinyl Acetate	6.144	43	53	27.428	ug/l #	72
25) 2-Butanone	7.191	43	55	29.508	ug/l #	45
31) Cyclohexane	7.979	56	312	1.325	ug/l #	37
36) 1,1-Dichloropropene	7.973	75	1139	5.955	ug/l #	41
37) Ethyl Acetate	7.285	43	110	1.331	ug/l #	66
38) Carbon Tetrachloride	7.985	117	1269	6.730	ug/l #	12
41) Methacrylonitrile	7.479	41	58	Below Cal	#	14
43) Isopropyl Acetate	8.444	43	62	5.528	ug/l #	47
51) 4-Methyl-2-Pentanone	10.244	43	110	31.688	ug/l #	34
59) 2-Hexanone	11.061	43	61	35.323	ug/l #	22
74) N-amyl acetate	12.243	43	111	6.113	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	5860	51.021	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	5860	111.328	ug/l #	18

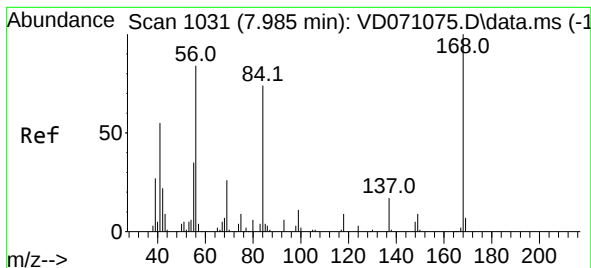
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Instrument :

MSVOA_D

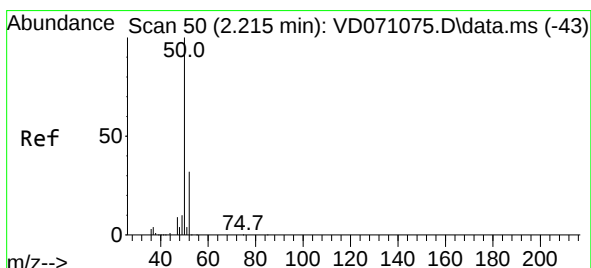
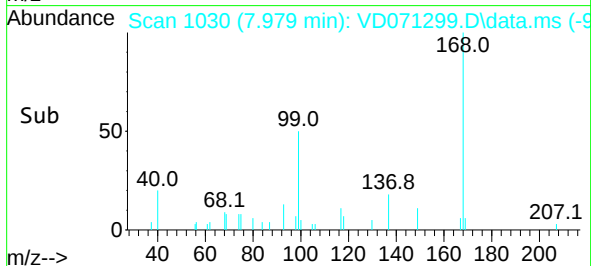
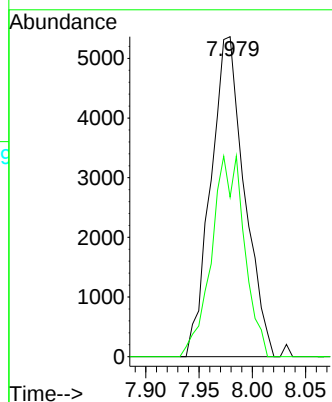
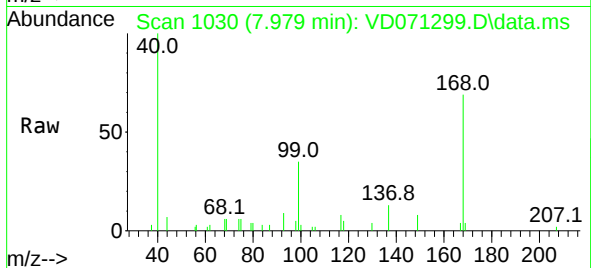
ClientSampleId :

Tgt Ion:168 Resp: 11794

Ion Ratio Lower Upper

168 100

99 49.9 46.6 69.8



#3

Chloromethane

Concen: 4.367 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.006 min

Lab File: VD071299.D

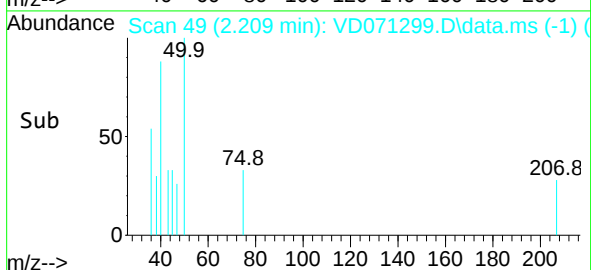
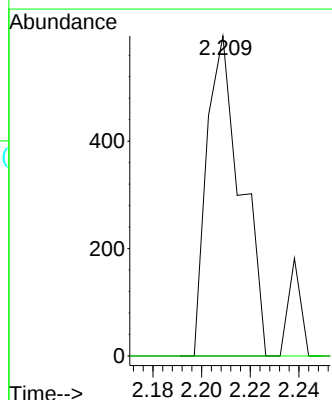
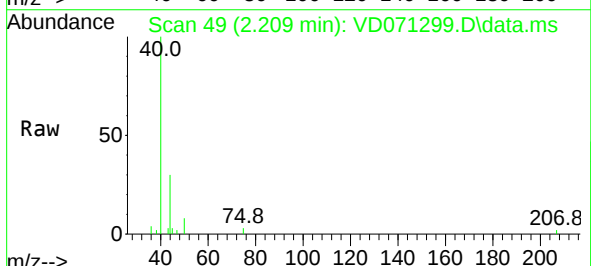
Acq: 13 Dec 2021 16:27

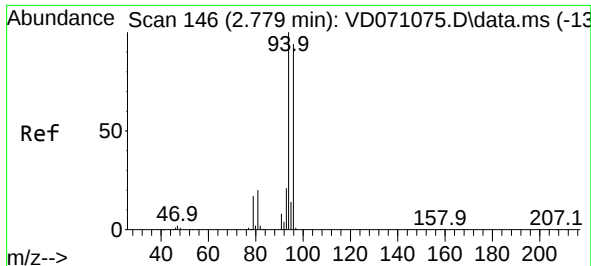
Tgt Ion: 50 Resp: 581

Ion Ratio Lower Upper

50 100

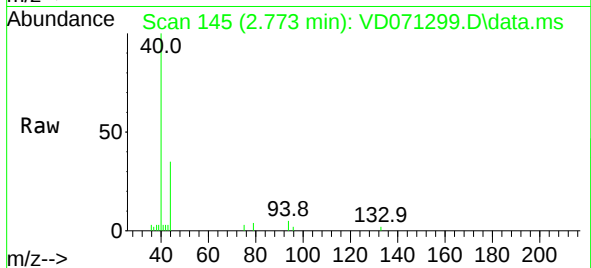
52 0.0 25.8 38.8#



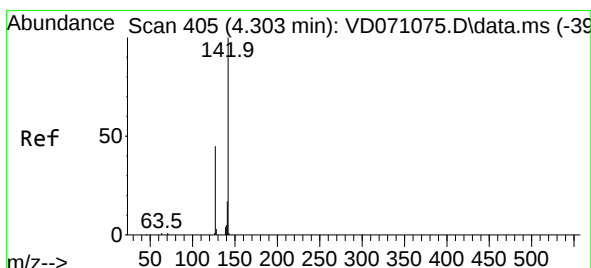
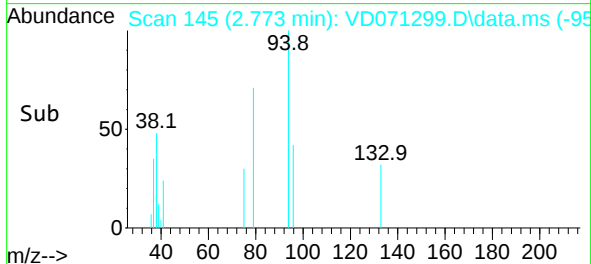
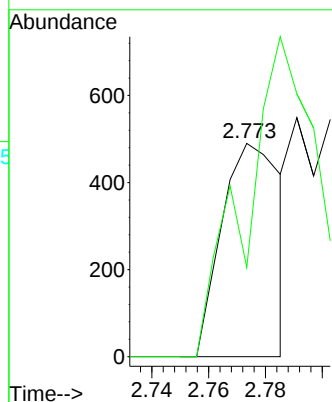


#5
Bromomethane
Concen: 6.541 ug/l
RT: 2.773 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

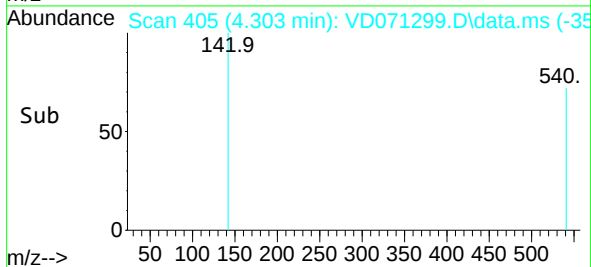
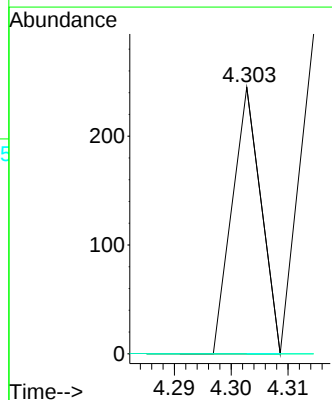
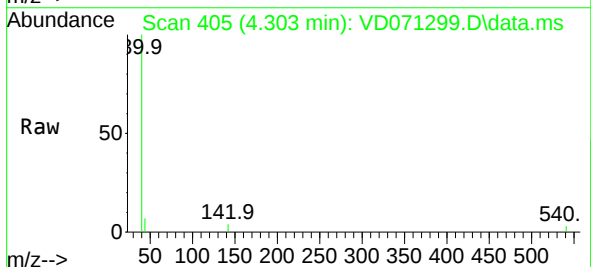


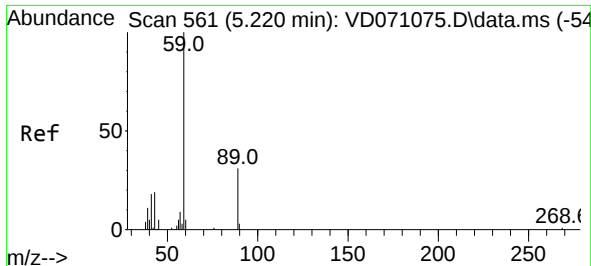
Tgt Ion: 94 Resp: 700
Ion Ratio Lower Upper
94 100
96 41.8 74.8 112.2#



#10
Methyl Iodide
Concen: 5.127 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion:142 Resp: 86
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

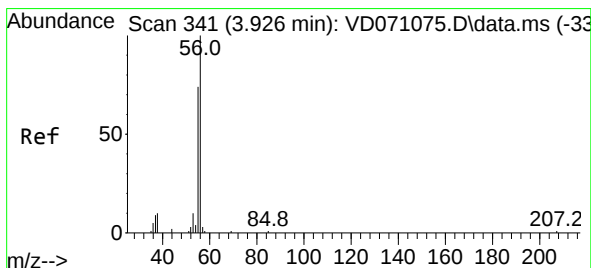
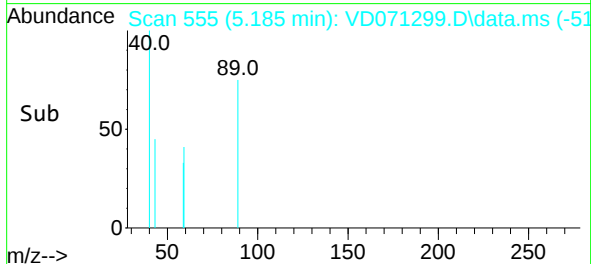
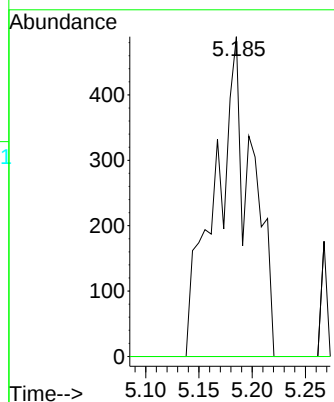
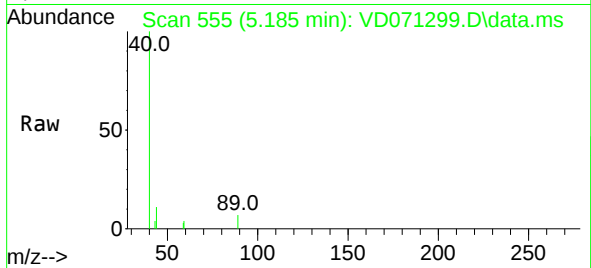




#11
Tert butyl alcohol
Concen: 80.424 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

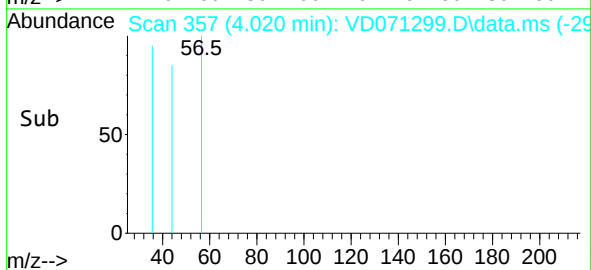
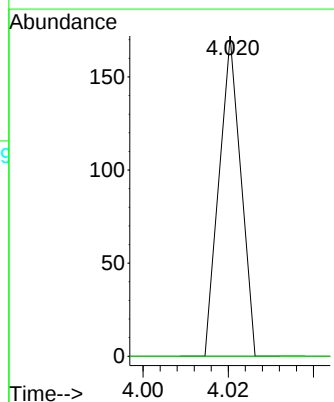
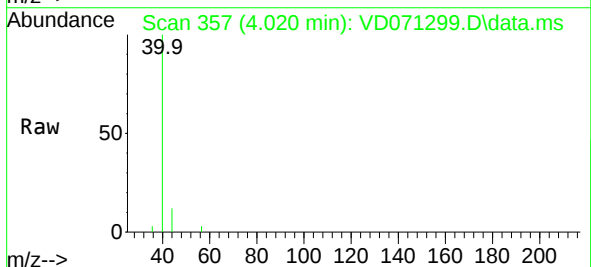
Instrument :
MSVOA_D
ClientSampleId :

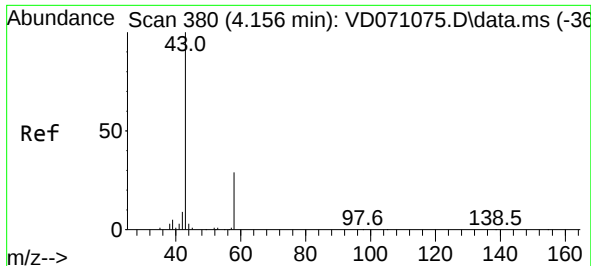
Tgt Ion: 59 Resp: 1182
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#13
Acrolein
Concen: 6.450 ug/l
RT: 4.020 min Scan# 357
Delta R.T. 0.094 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

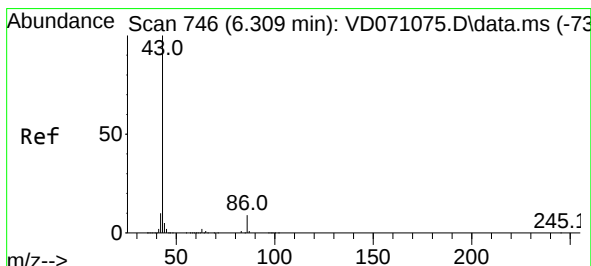
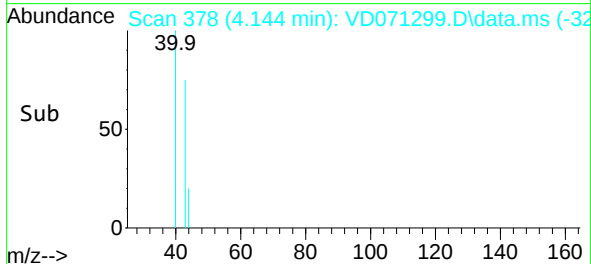
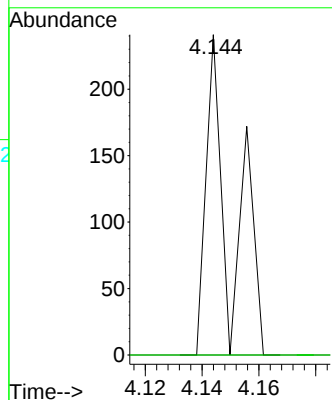
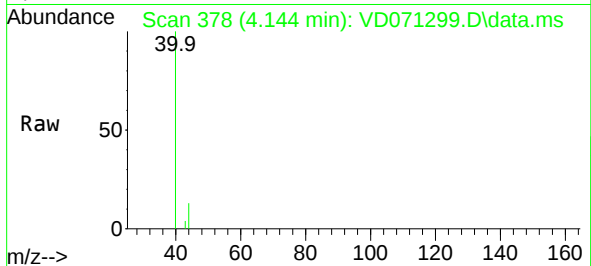




#16
Acetone
Concen: 34.280 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

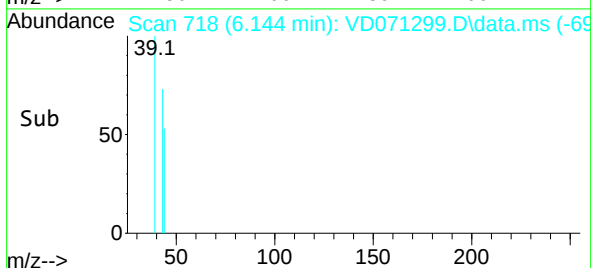
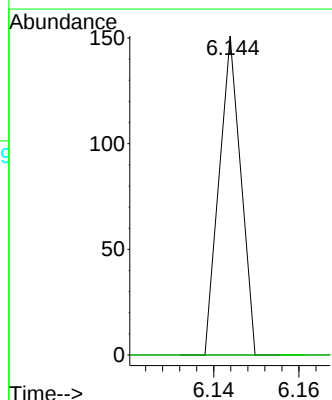
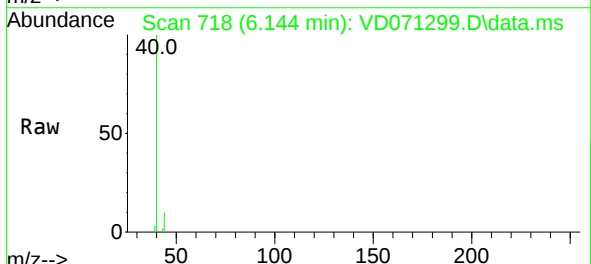
Instrument :
MSVOA_D
ClientSampleId :

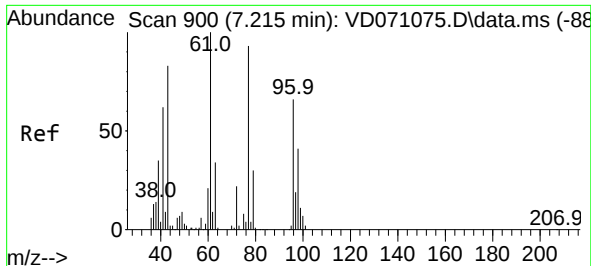
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#23
Vinyl Acetate
Concen: 27.428 ug/l
RT: 6.144 min Scan# 718
Delta R.T. -0.165 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#





#25

2-Butanone

Concen: 29.508 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.024 min

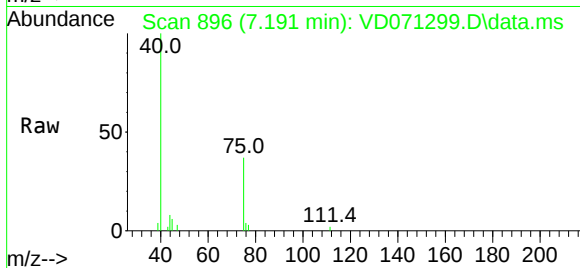
Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :

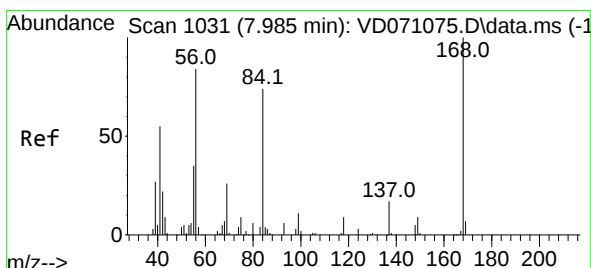
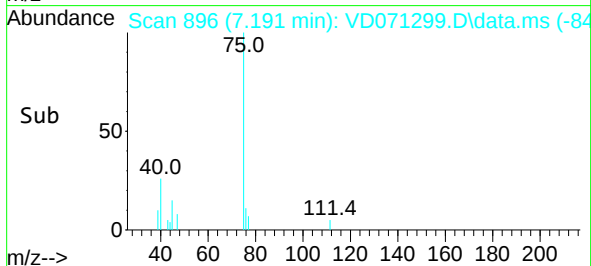
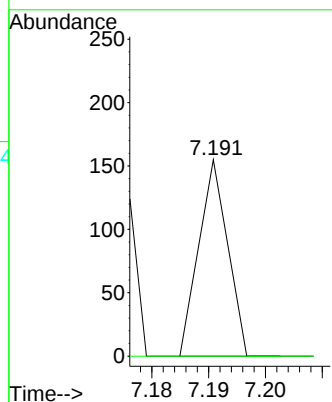


Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

72 0.0 23.8 35.6#



#31

Cyclohexane

Concen: 1.325 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

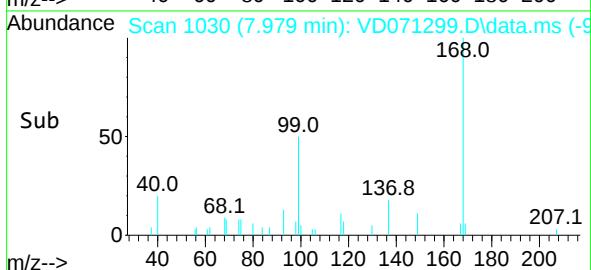
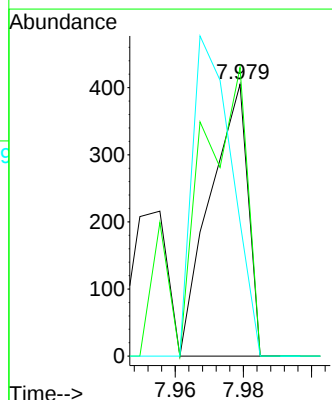
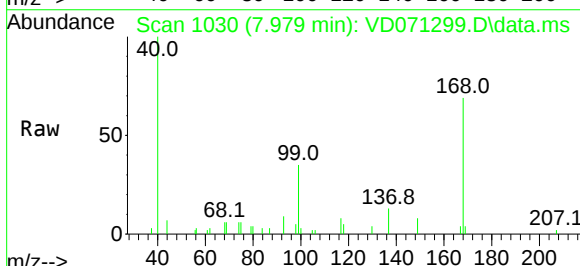
Tgt Ion: 56 Resp: 312

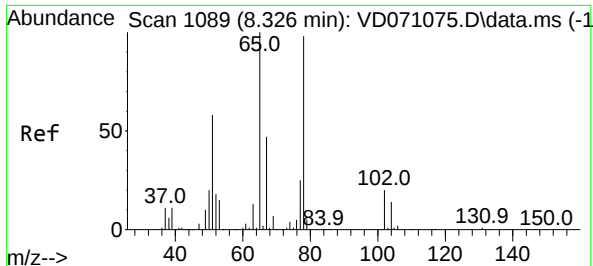
Ion Ratio Lower Upper

56 100

69 106.2 25.9 38.9#

84 49.4 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 72.968 ug/l

RT: 8.326 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Instrument :

MSVOA_D

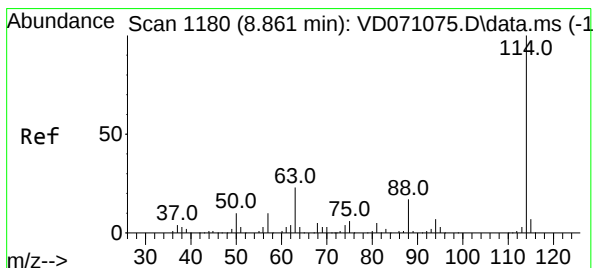
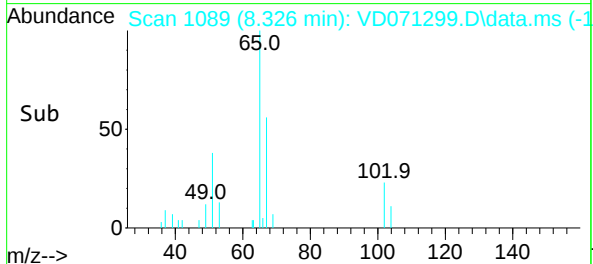
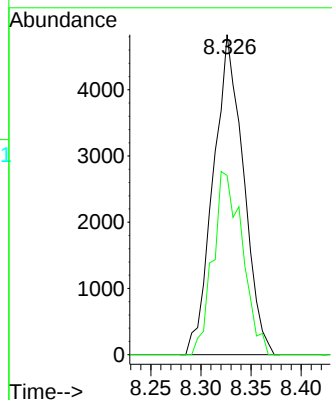
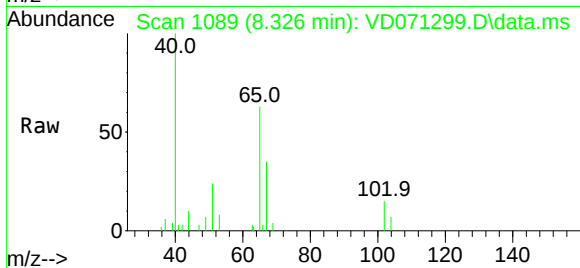
ClientSampleId :

Tgt Ion: 65 Resp: 10098

Ion Ratio Lower Upper

65 100

67 55.9 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

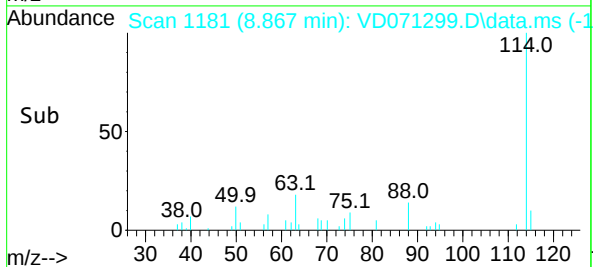
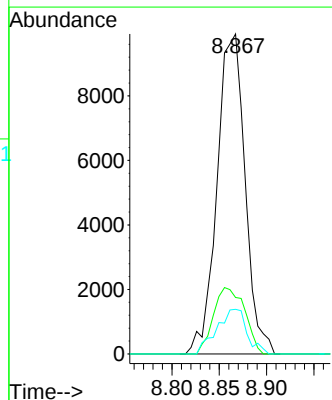
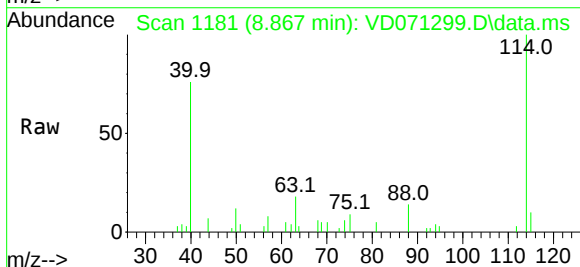
Tgt Ion: 114 Resp: 20466

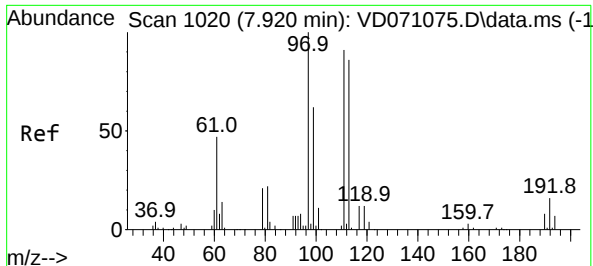
Ion Ratio Lower Upper

114 100

63 17.6 0.0 41.8

88 14.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.561 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

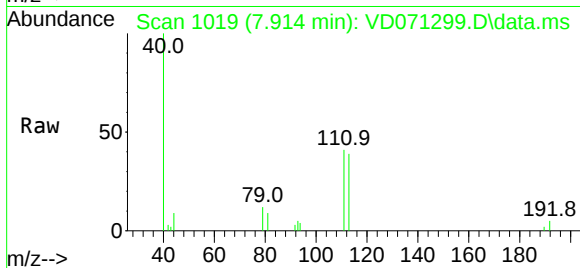
Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

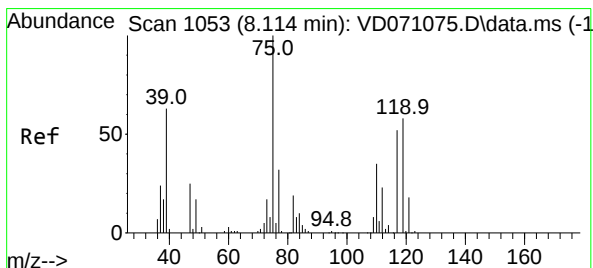
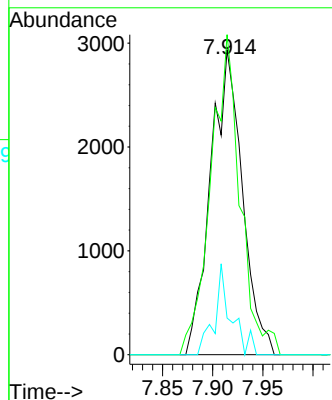
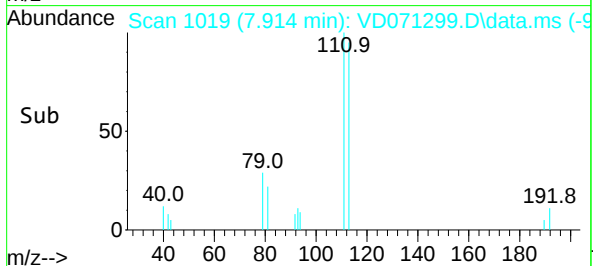
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	6459
Ion	Ratio	Lower	Upper
113	100		
111	97.2	82.0	123.0
192	15.4	15.2	22.8



#36

1,1-Dichloropropene

Concen: 5.955 ug/l

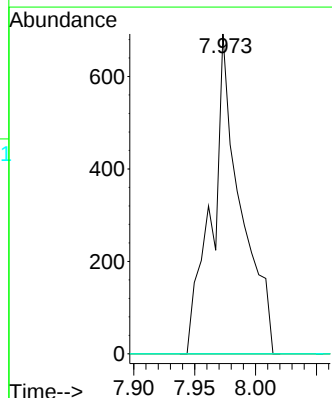
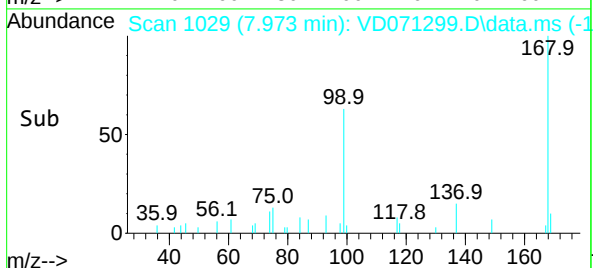
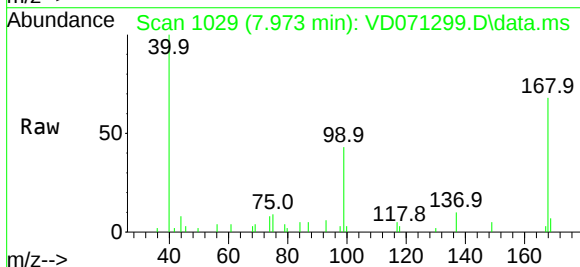
RT: 7.973 min Scan# 1029

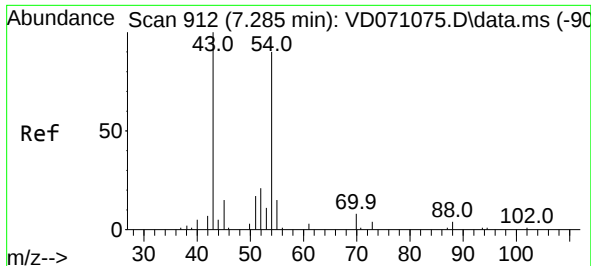
Delta R.T. -0.141 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Tgt Ion:	75	Resp:	1139
Ion	Ratio	Lower	Upper
75	100		
110	0.0	17.8	53.4#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 1.331 ug/l

RT: 7.285 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD071299.D

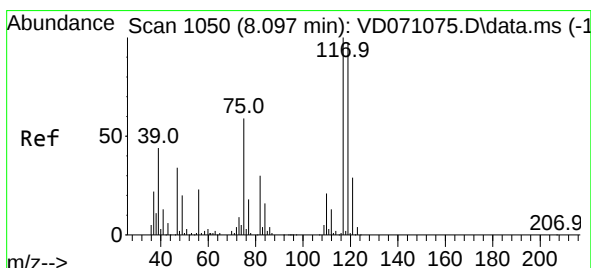
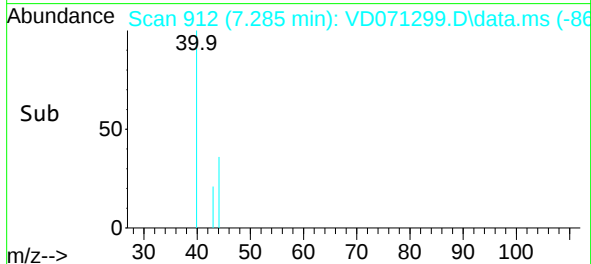
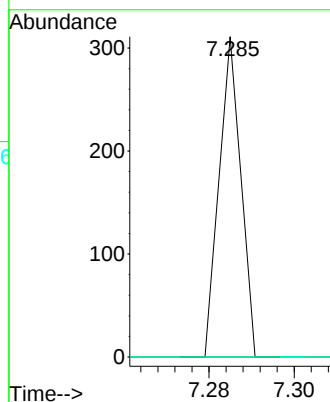
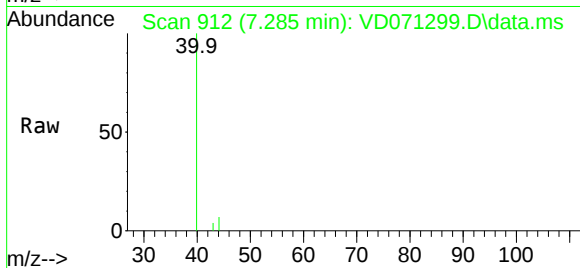
Acq: 13 Dec 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp:	110
Ion Ratio	Lower	Upper
43	100	
61	0.0	13.0
70	0.0	8.7



#38

Carbon Tetrachloride

Concen: 6.730 ug/l

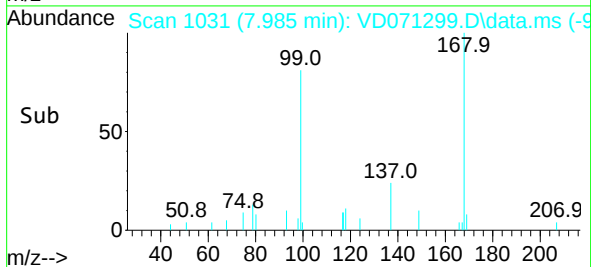
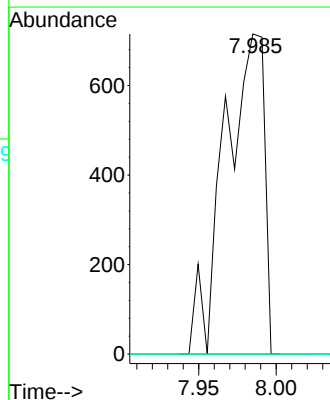
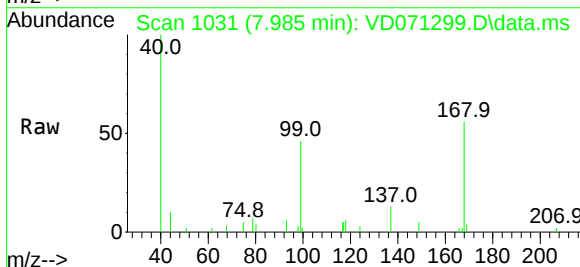
RT: 7.985 min Scan# 1031

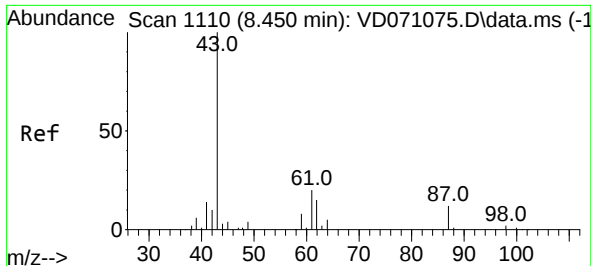
Delta R.T. -0.112 min

Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Tgt Ion: 117	Resp:	1269
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8
121	0.0	23.6





#43

Isopropyl Acetate

Concen: 5.528 ug/l

RT: 8.444 min Scan# 1110

Delta R.T. -0.006 min

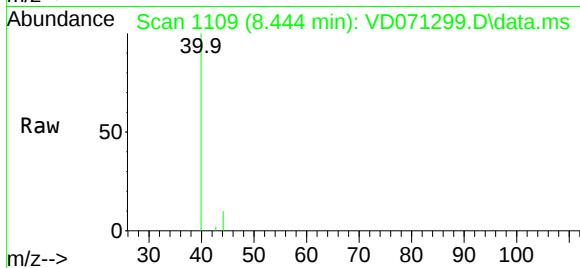
Lab File: VD071299.D

Acq: 13 Dec 2021 16:27

Instrument :

MSVOA_D

ClientSampleId :



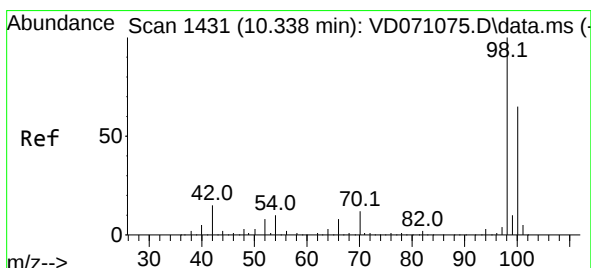
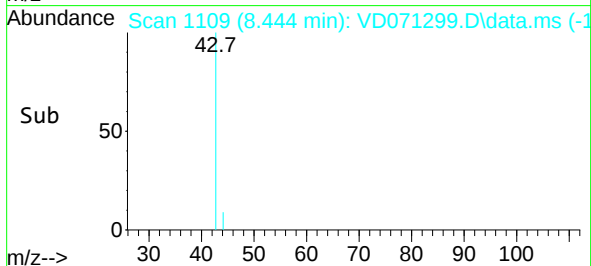
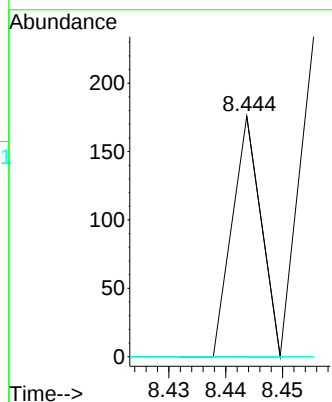
Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 51.682 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071299.D

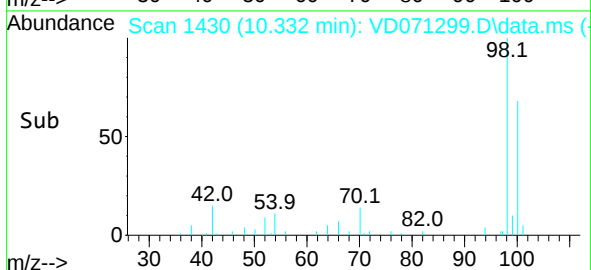
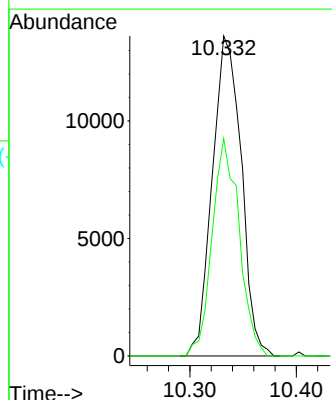
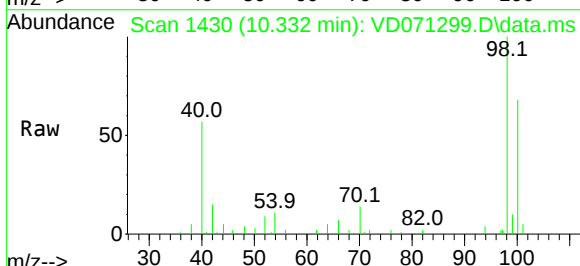
Acq: 13 Dec 2021 16:27

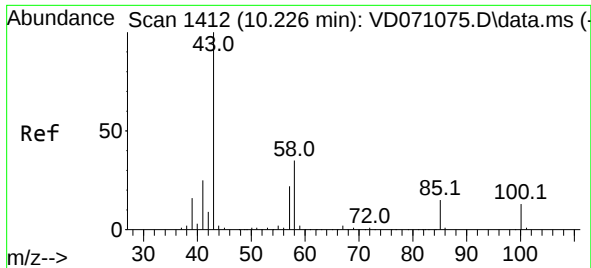
Tgt Ion: 98 Resp: 25632

Ion Ratio Lower Upper

98 100

100 63.5 51.8 77.6

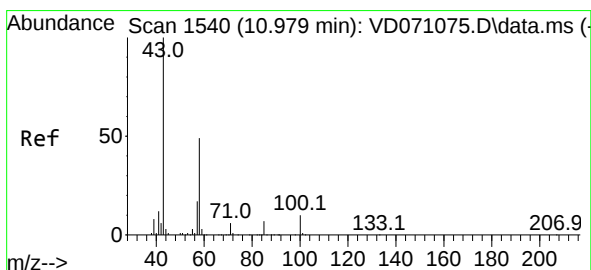
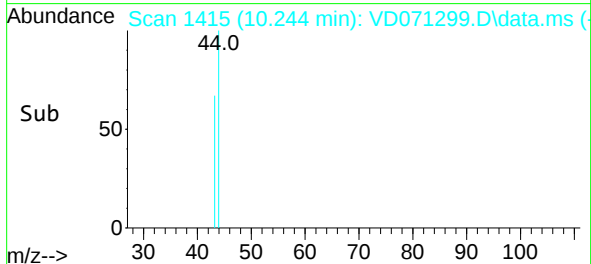
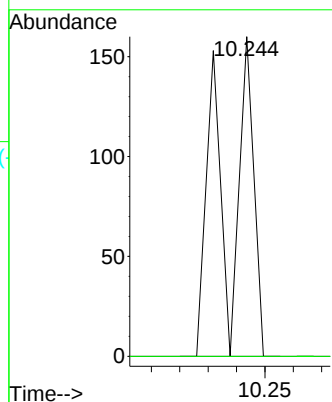
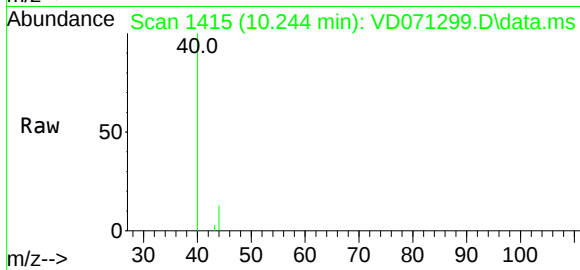




#51
4-Methyl-2-Pentanone
Concen: 31.688 ug/l
RT: 10.244 min Scan# 1412
Delta R.T. 0.018 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

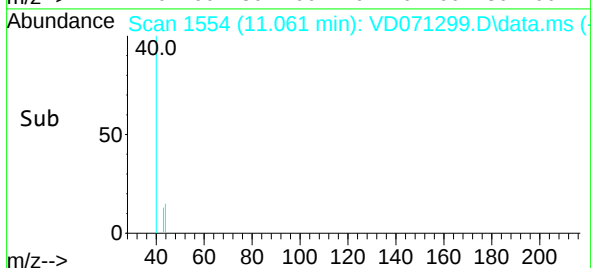
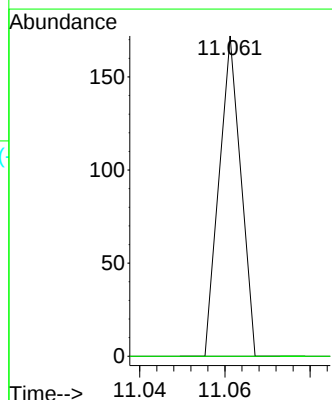
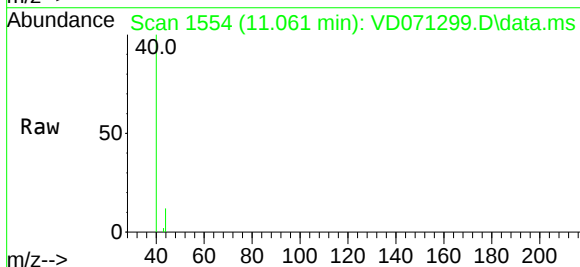
Instrument :
MSVOA_D
ClientSampleId :

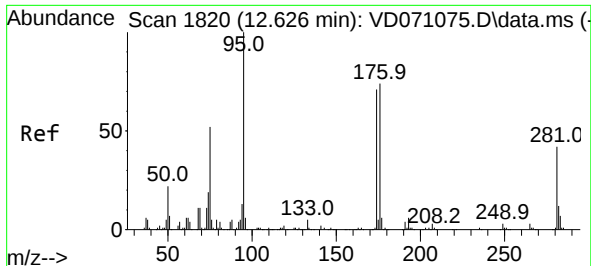
Tgt Ion: 43 Resp: 110
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 35.323 ug/l
RT: 11.061 min Scan# 1554
Delta R.T. 0.082 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

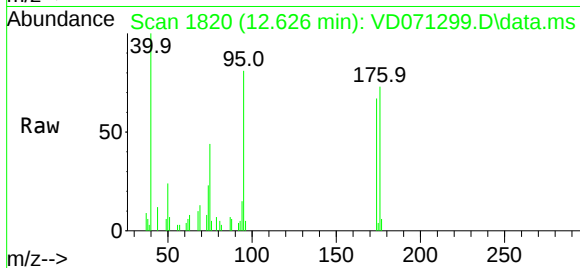
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



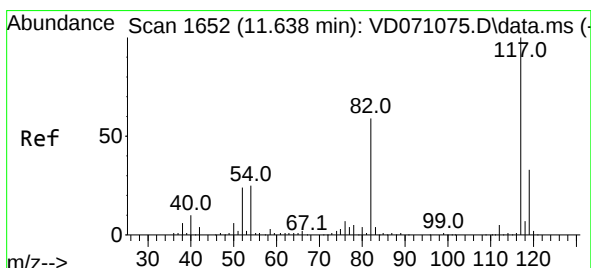
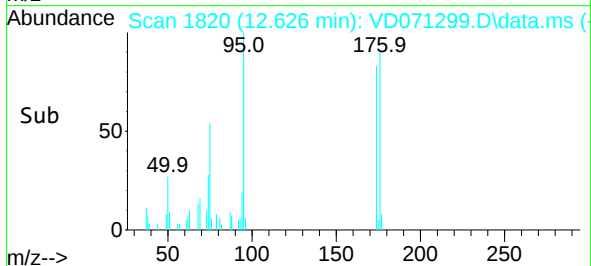
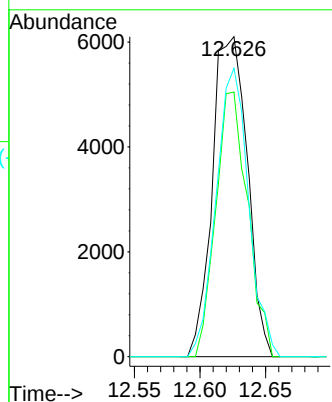


#62
4-Bromofluorobenzene
Concen: 65.881 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

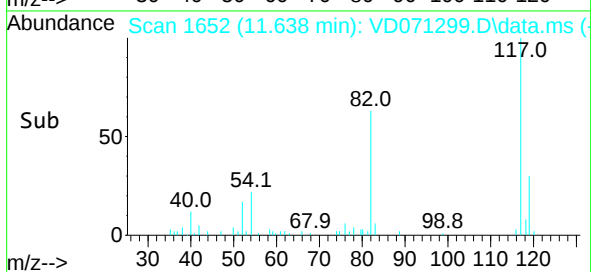
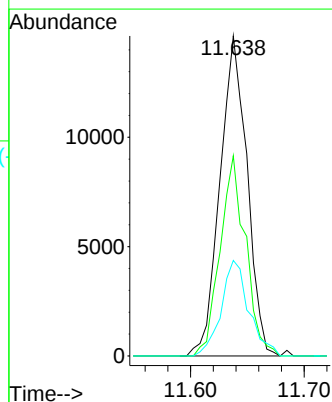
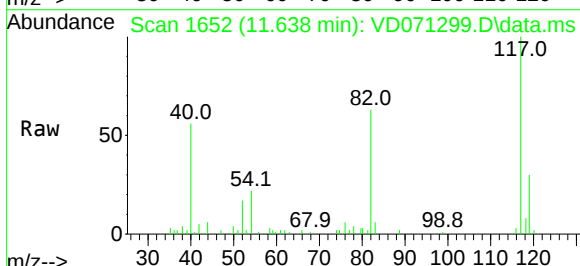


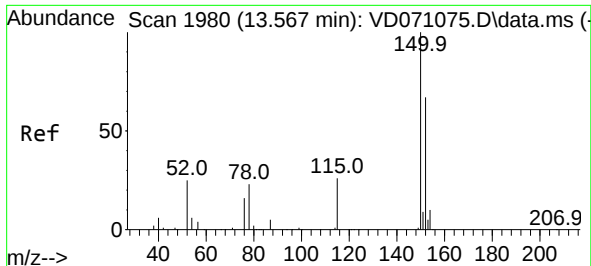
Tgt Ion: 95 Resp: 11326
Ion Ratio Lower Upper
95 100
174 75.3 0.0 159.4
176 83.6 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion: 117 Resp: 24279
Ion Ratio Lower Upper
117 100
82 62.5 44.7 67.1
119 29.9 26.2 39.4

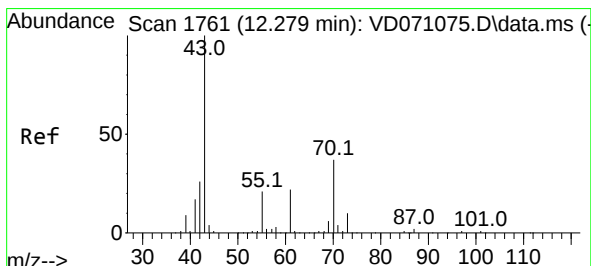
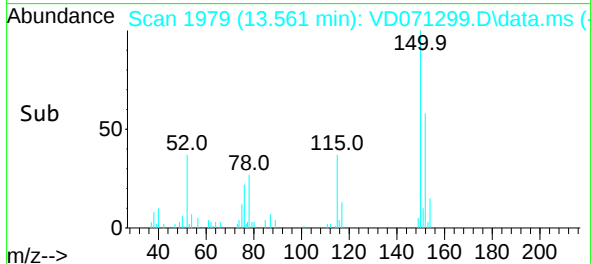
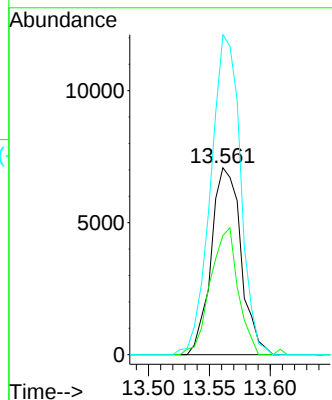
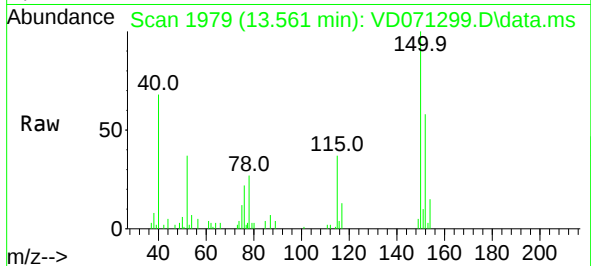




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

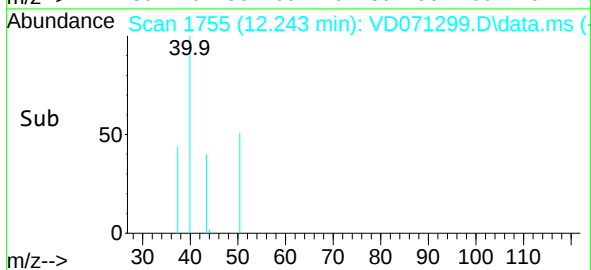
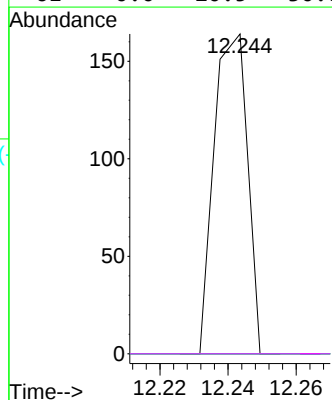
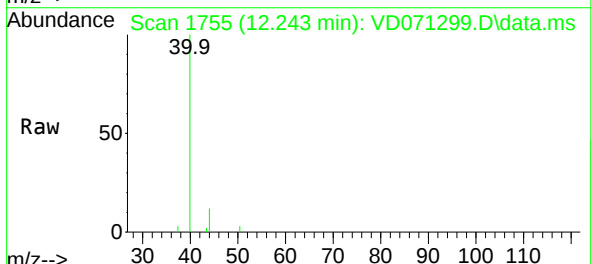
Instrument :
MSVOA_D
ClientSampleId :

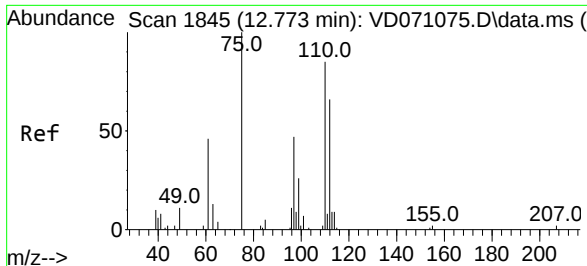
Tgt Ion:152 Resp: 12055
Ion Ratio Lower Upper
152 100
115 63.0 29.8 89.3
150 171.7 0.0 349.2



#74
N-ethyl acetate
Concen: 6.113 ug/l
RT: 12.243 min Scan# 1755
Delta R.T. -0.036 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion: 43 Resp: 111
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#

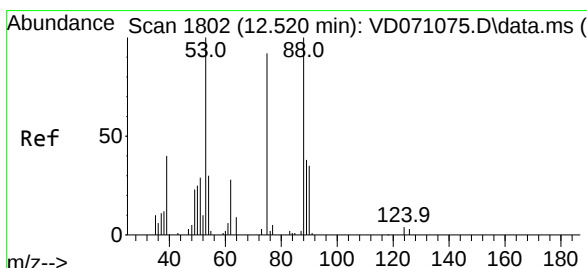
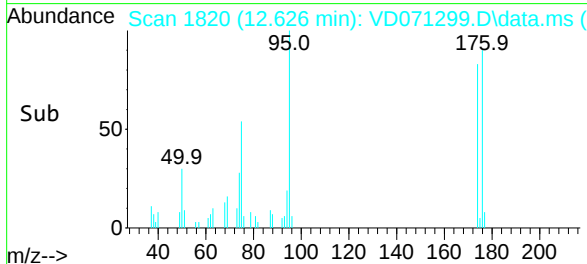
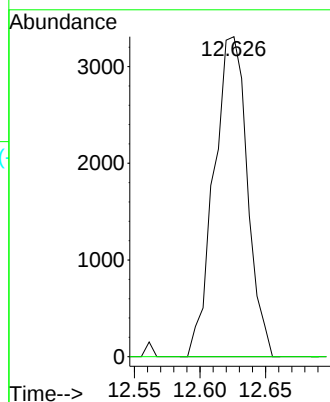
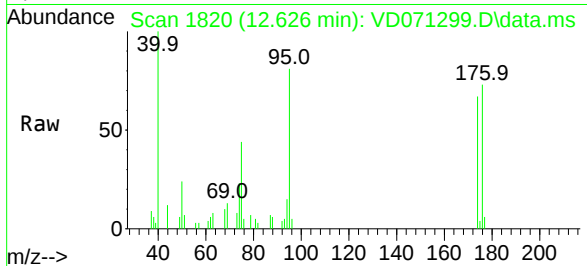




#76
1,2,3-Trichloropropane
Concen: 51.021 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 5860
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.328 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071299.D
Acq: 13 Dec 2021 16:27

Tgt Ion: 75 Resp: 5860
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

