

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120921\
 Data File : VD071229.D
 Acq On : 09 Dec 2021 15:40
 Operator : VA/SY
 Sample : M4965-33
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 10 06:45:23 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)

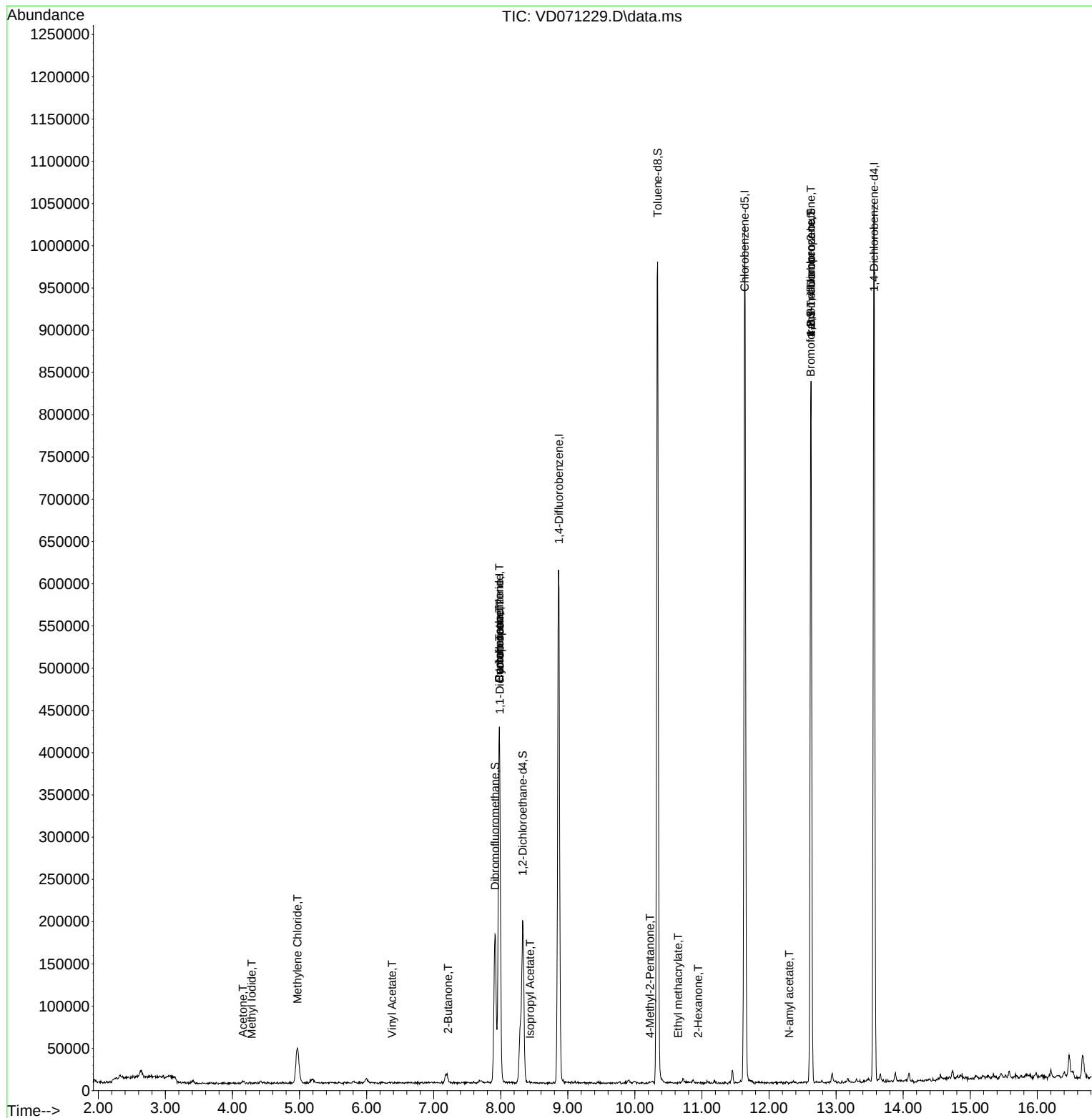
Internal Standards						
1) Pentafluorobenzene	7.979	168	295547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	497186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	529591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	255323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	143678	41.431	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	82.860%
35) Dibromofluoromethane	7.914	113	123267	38.934	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	77.860%
50) Toluene-d8	10.338	98	639765	53.100	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	106.200%
62) 4-Bromofluorobenzene	12.626	95	255941	61.283	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	122.560%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.285	142	57	4.576	ug/l #	40
11) Tert butyl alcohol	5.191	59	4558	Below Cal	#	71
16) Acetone	4.156	43	2245	32.934	ug/l #	84
20) Methylene Chloride	4.968	84	29028	4.494	ug/l #	74
23) Vinyl Acetate	6.379	43	78	27.231	ug/l #	72
25) 2-Butanone	7.214	43	869	29.083	ug/l #	45
31) Cyclohexane	7.979	56	8132	1.379	ug/l #	31
36) 1,1-Dichloropropene	7.985	75	26605	5.725	ug/l #	49
38) Carbon Tetrachloride	7.979	117	31481	6.873	ug/l #	18
41) Methacrylonitrile	7.579	41	119	Below Cal	#	12
43) Isopropyl Acetate	8.438	43	79	5.239	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	897	30.999	ug/l #	34
56) Ethyl methacrylate	10.644	69	173	6.017	ug/l #	26
59) 2-Hexanone	10.944	43	274	34.712	ug/l #	22
71) Bromoform	12.620	173	2056	1.106	ug/l #	1
74) N-amyl acetate	12.302	43	88	5.716	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	146554	60.246	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	146554	130.413	ug/l #	18

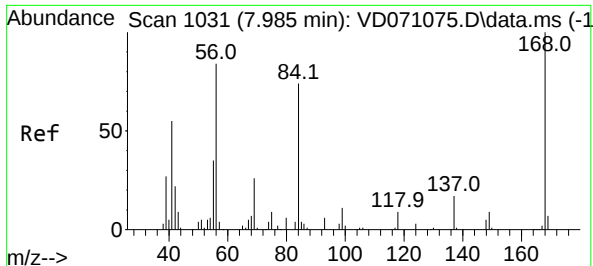
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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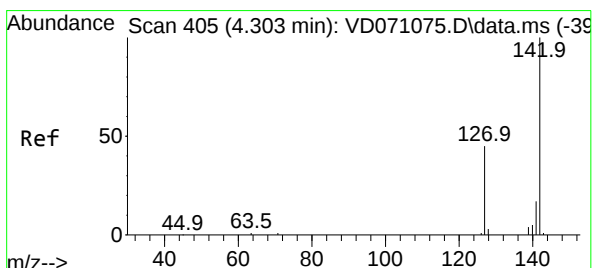
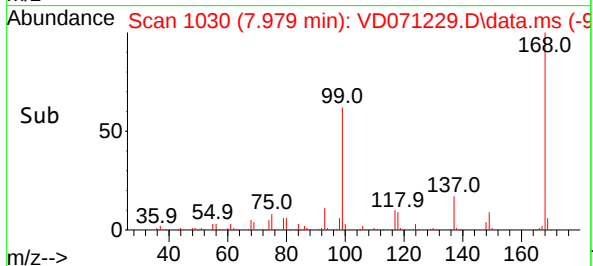
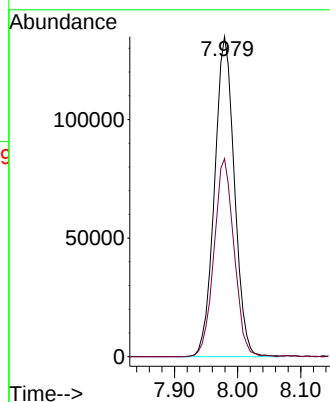
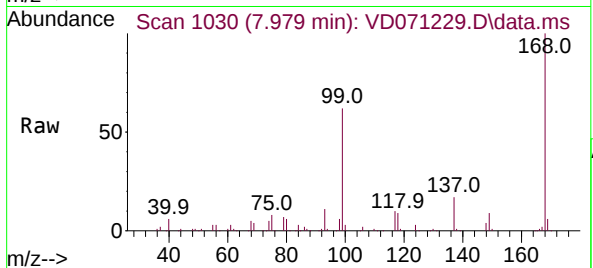




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

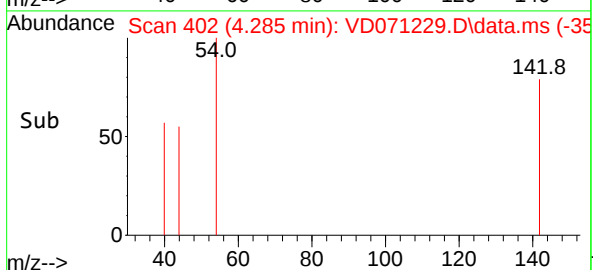
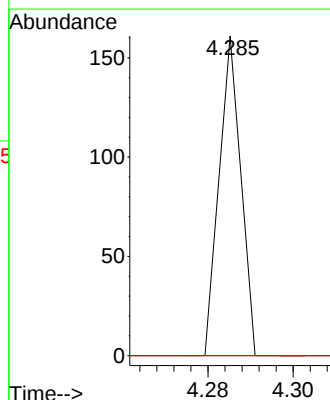
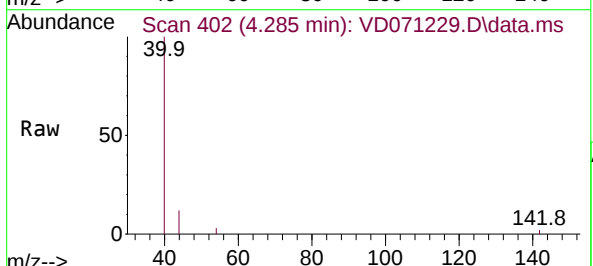
Instrument :
MSVOA_D
ClientSampleId :

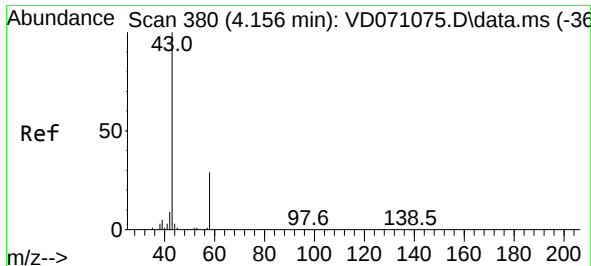
Tgt Ion:168 Resp: 295547
Ion Ratio Lower Upper
168 100
99 61.9 46.6 69.8



#10
Methyl Iodide
Concen: 4.576 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.018 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

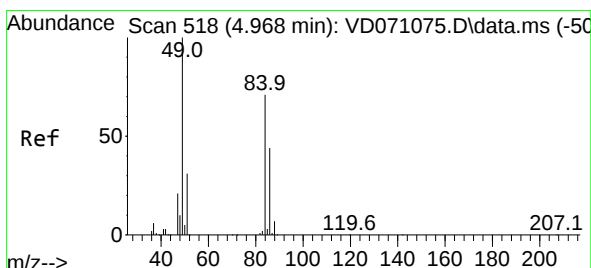
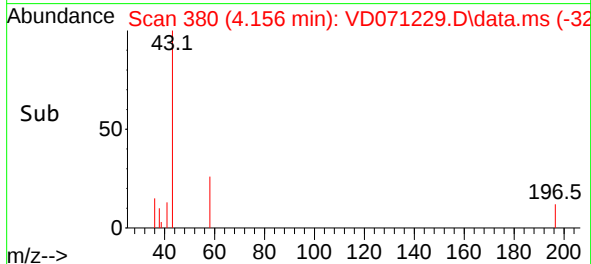
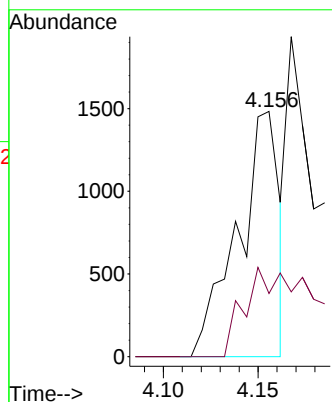
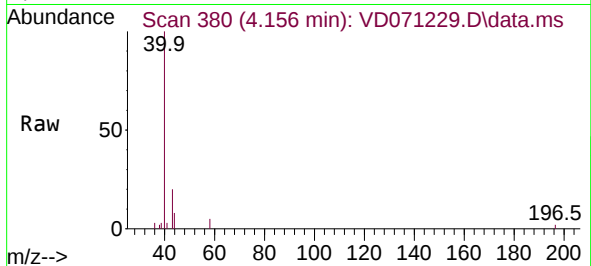




#16
Acetone
Concen: 32.934 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

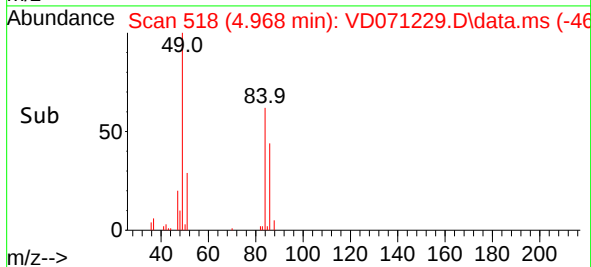
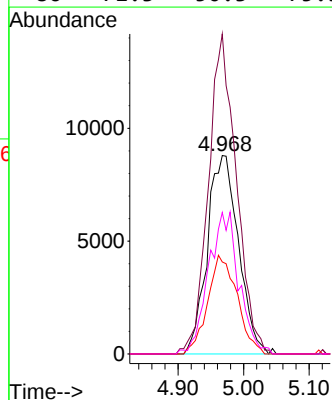
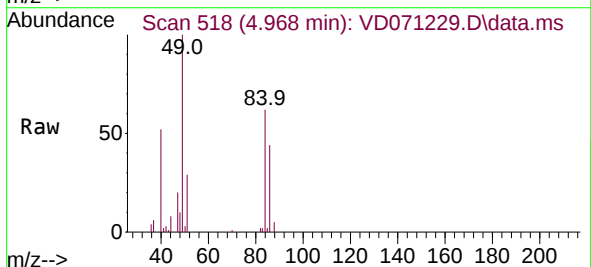
Instrument :
MSVOA_D
ClientSampleId :

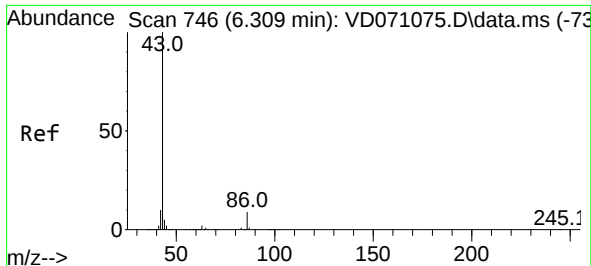
Tgt Ion: 43 Resp: 2245
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#20
Methylene Chloride
Concen: 4.494 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

Tgt Ion: 84 Resp: 29028
Ion Ratio Lower Upper
84 100
49 161.3 95.8 143.6#
51 46.4 30.9 46.3#
86 71.3 50.3 75.5

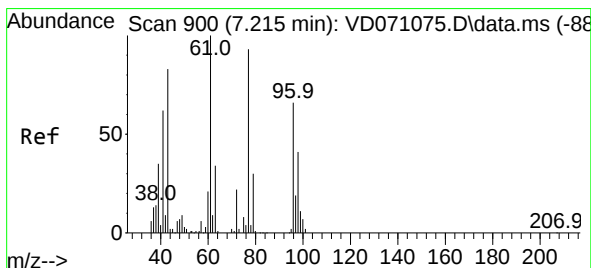
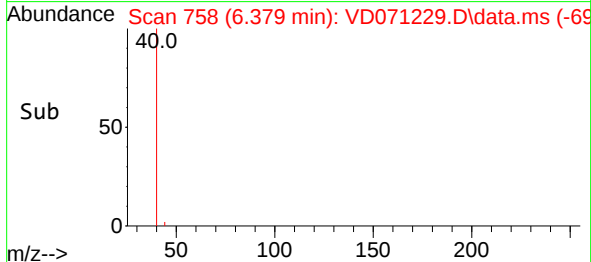
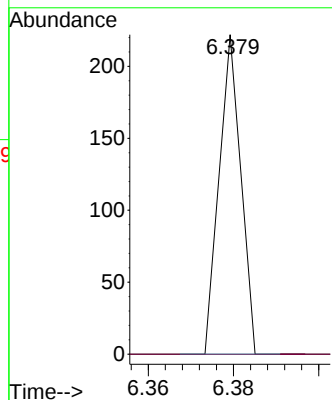
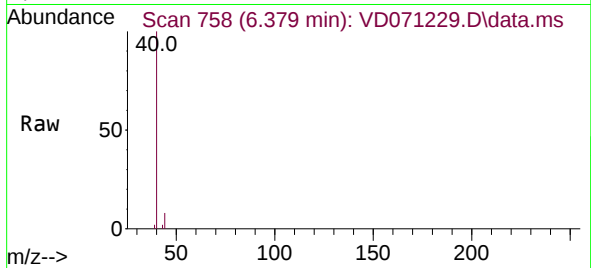




#23
 Vinyl Acetate
 Concen: 27.231 ug/l
 RT: 6.379 min Scan# 71
 Delta R.T. 0.070 min
 Lab File: VD071229.D
 Acq: 09 Dec 2021 15:40

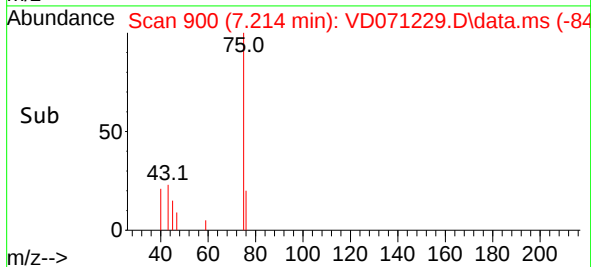
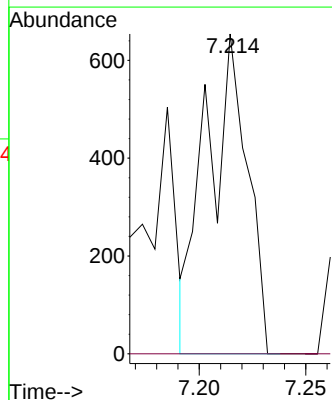
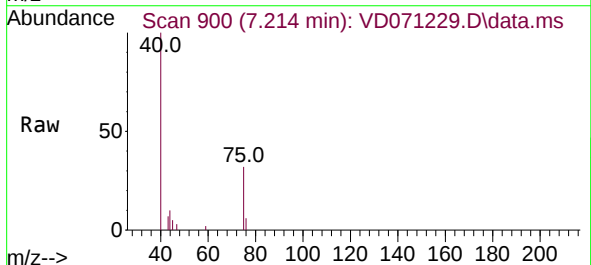
Instrument :
 MSVOA_D
 ClientSampleId :

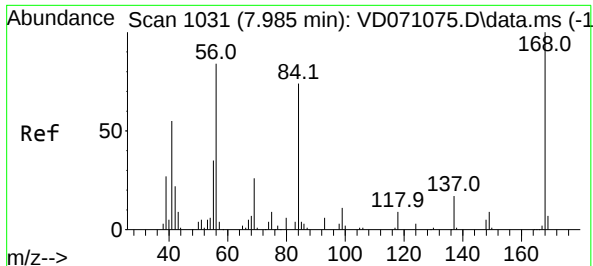
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.083 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071229.D
 Acq: 09 Dec 2021 15:40

Tgt Ion: 43 Resp: 869
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.379 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

Instrument :

MSVOA_D

ClientSampleId :

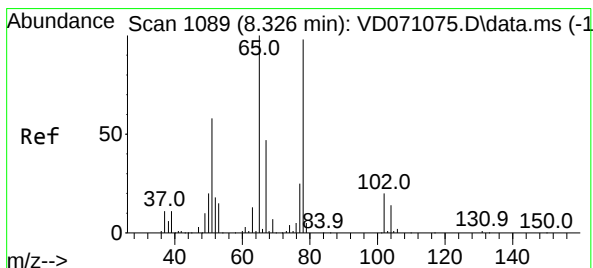
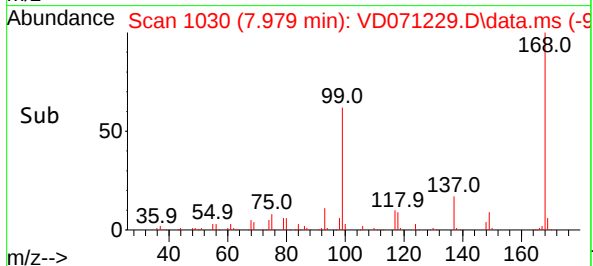
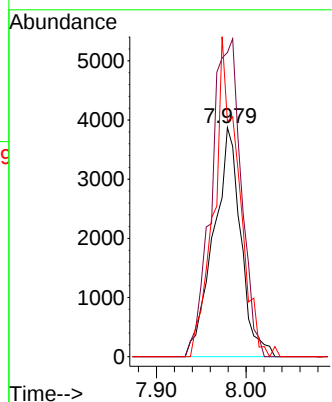
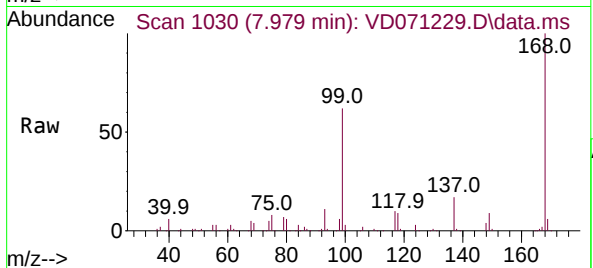
Tgt Ion: 56 Resp: 8132

Ion Ratio Lower Upper

56 100

69 132.8 25.9 38.9#

84 102.7 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 41.431 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071229.D

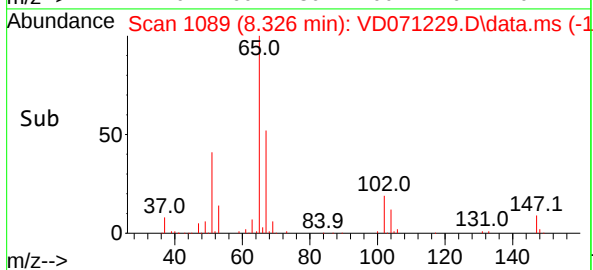
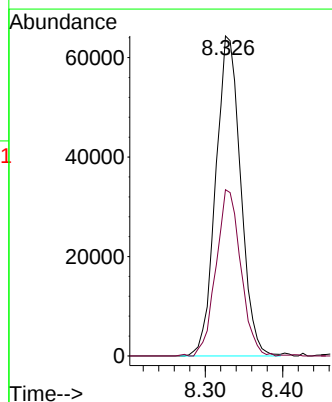
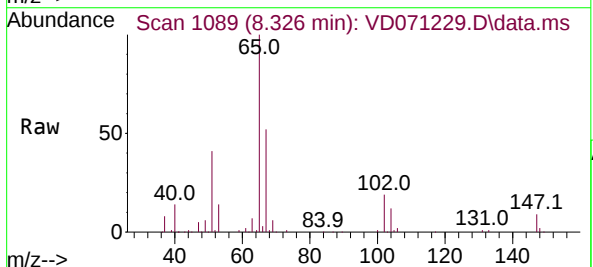
Acq: 09 Dec 2021 15:40

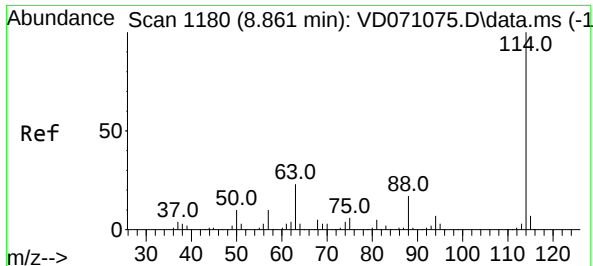
Tgt Ion: 65 Resp: 143678

Ion Ratio Lower Upper

65 100

67 51.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

Instrument :

MSVOA_D

ClientSampleId :

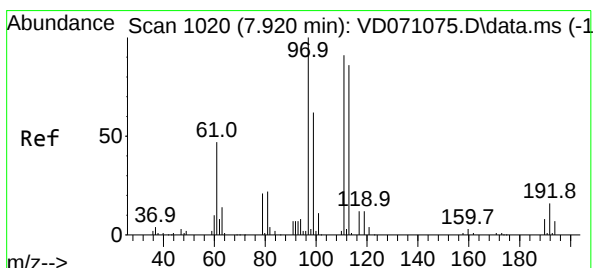
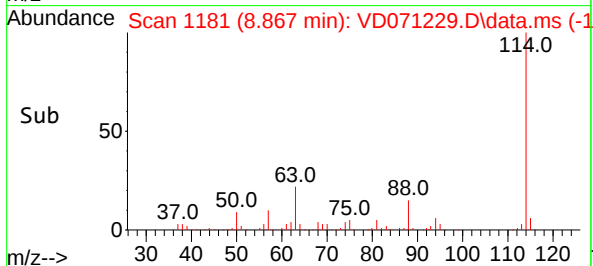
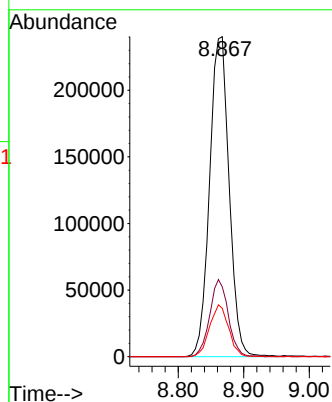
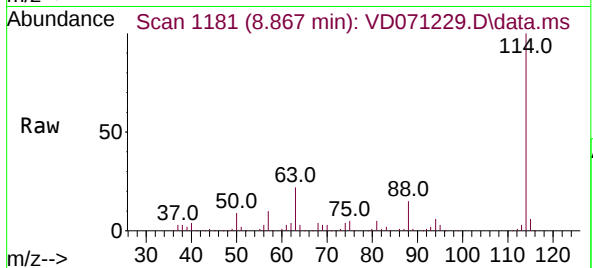
Tgt Ion:114 Resp: 497186

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.8

88 15.1 0.0 32.8



#35

Dibromofluoromethane

Concen: 38.934 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

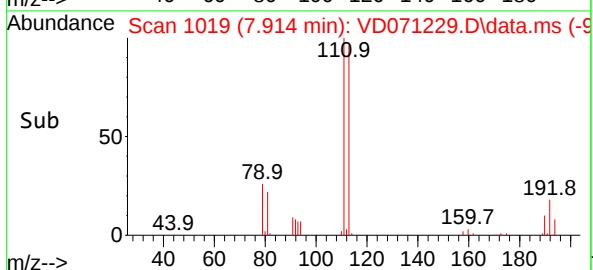
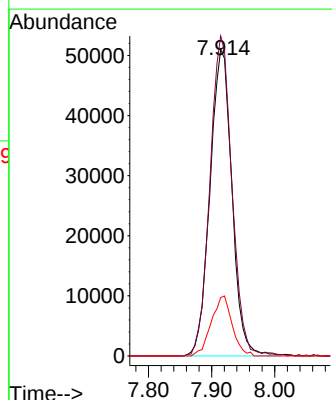
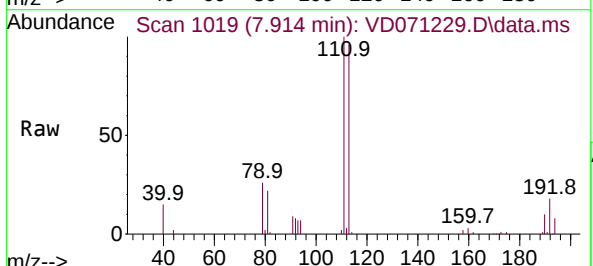
Tgt Ion:113 Resp: 123267

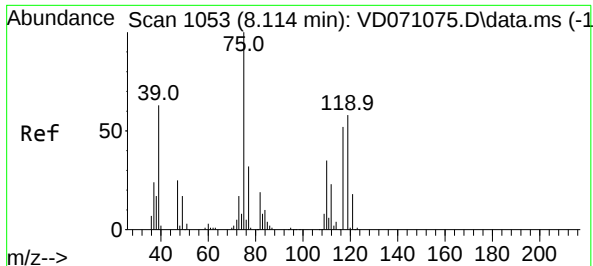
Ion Ratio Lower Upper

113 100

111 104.6 82.0 123.0

192 18.6 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.725 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.129 min

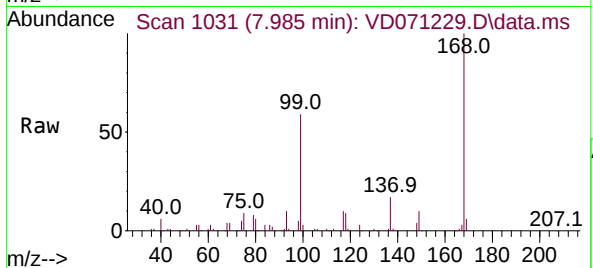
Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

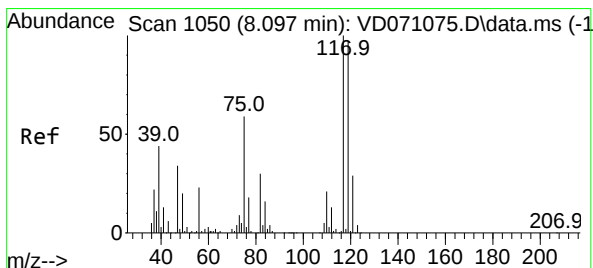
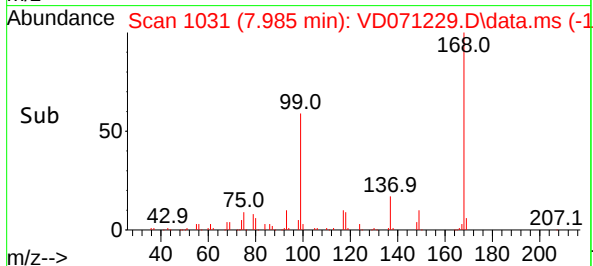
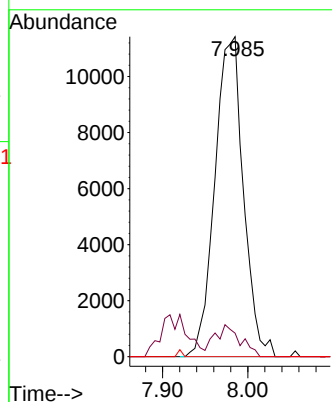
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	26605
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.873 ug/l

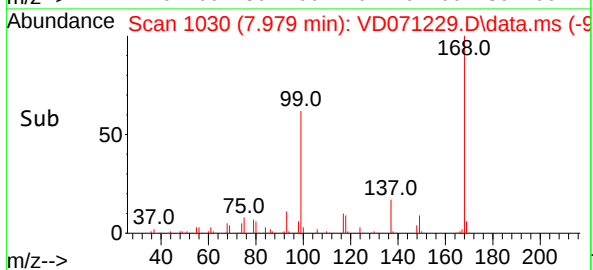
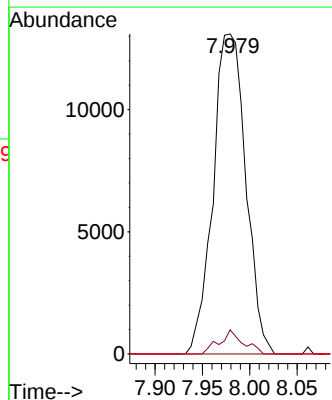
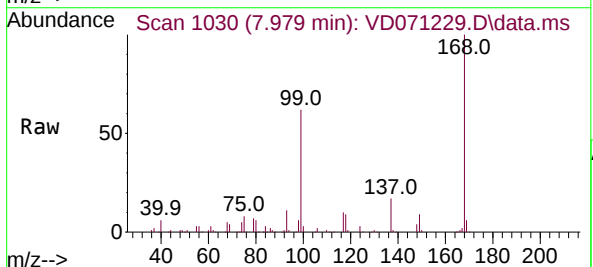
RT: 7.979 min Scan# 1030

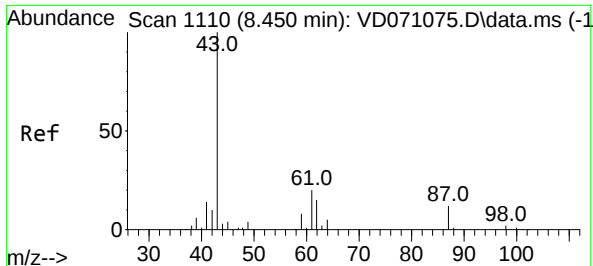
Delta R.T. -0.118 min

Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

Tgt Ion:	117	Resp:	31481
Ion	Ratio	Lower	Upper
117	100		
119	7.6	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.239 ug/l

RT: 8.438 min Scan# 1110

Delta R.T. -0.012 min

Lab File: VD071229.D

Acq: 09 Dec 2021 15:40

Instrument :

MSVOA_D

ClientSampleId :

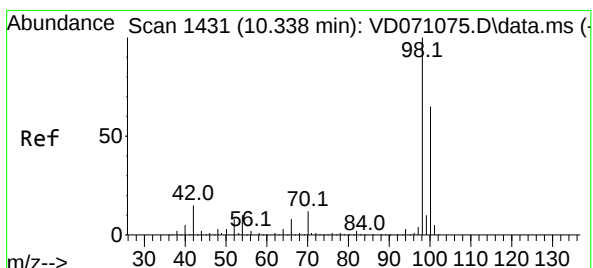
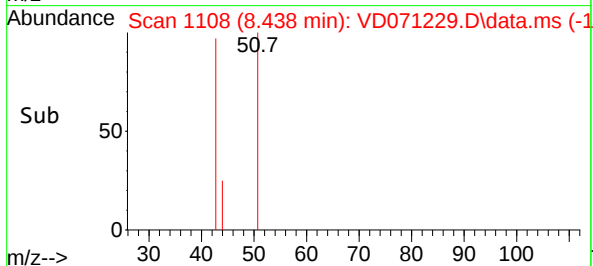
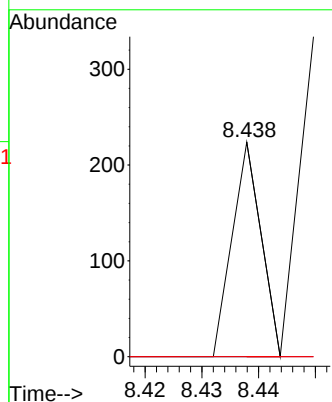
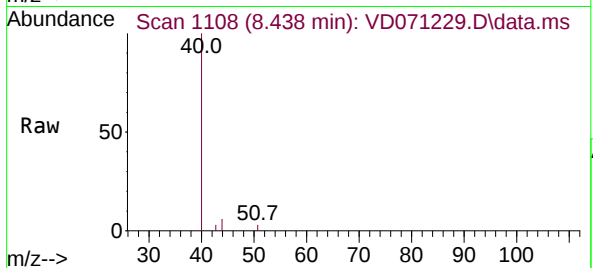
Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.100 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071229.D

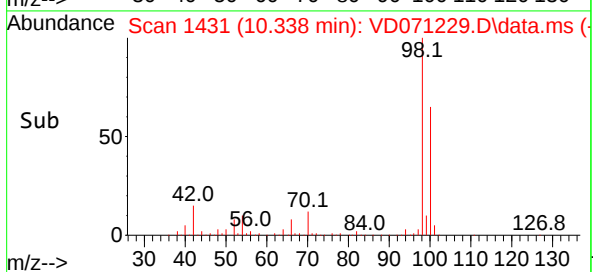
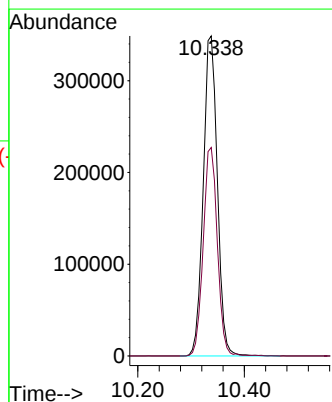
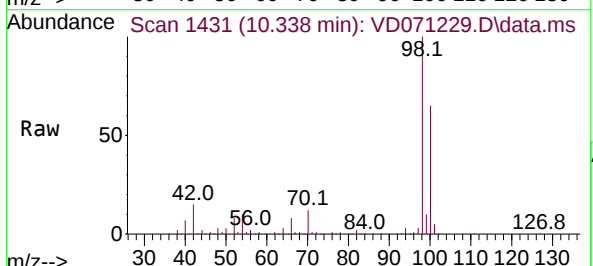
Acq: 09 Dec 2021 15:40

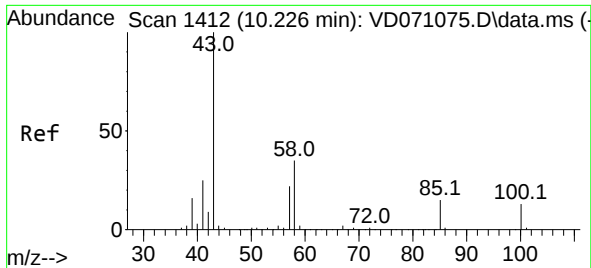
Tgt Ion: 98 Resp: 639765

Ion Ratio Lower Upper

98 100

100 65.1 51.8 77.6

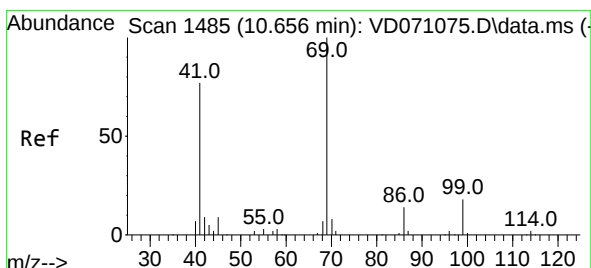
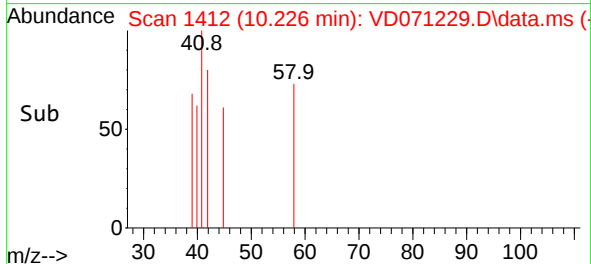
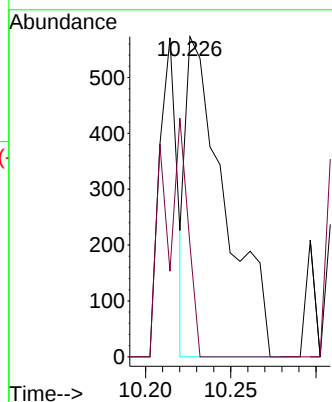
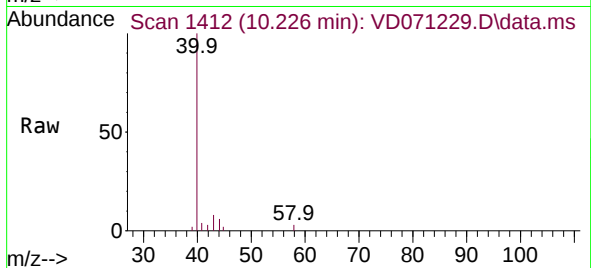




#51
4-Methyl-2-Pentanone
Concen: 30.999 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

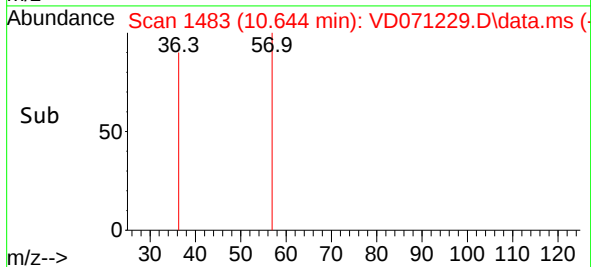
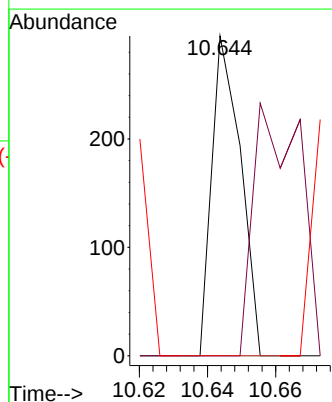
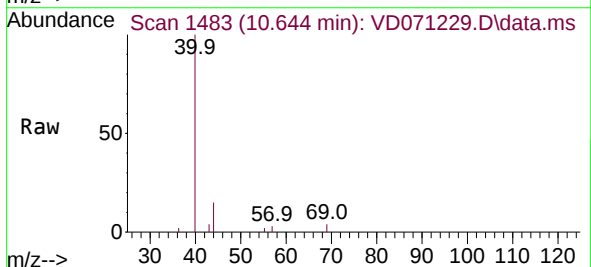
Instrument :
MSVOA_D
ClientSampleId :

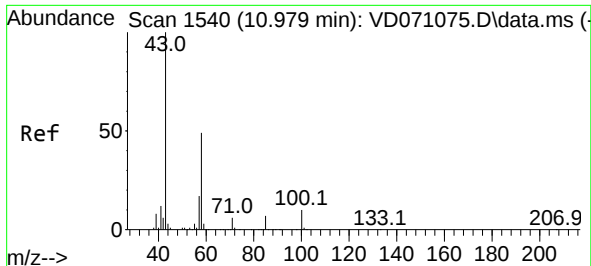
Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#56
Ethyl methacrylate
Concen: 6.017 ug/l
RT: 10.644 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

Tgt Ion: 69 Resp: 173
Ion Ratio Lower Upper
69 100
41 127.2 50.2 75.2#
39 0.0 19.8 29.8#

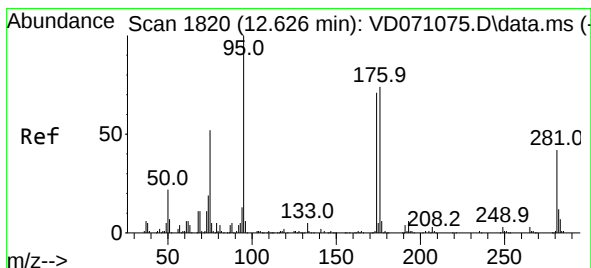
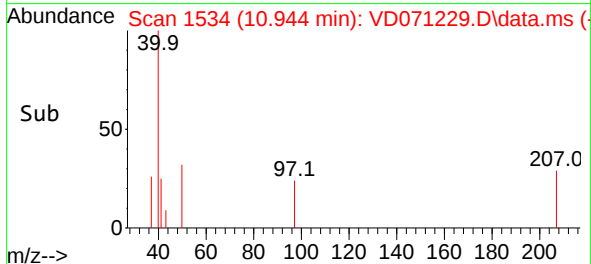
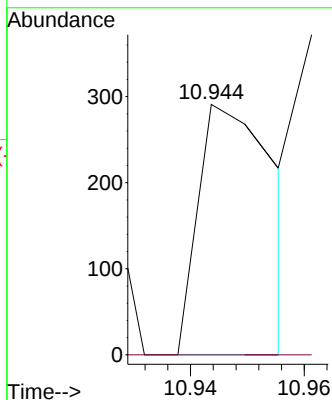
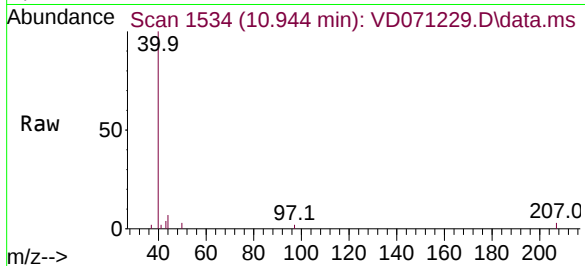




#59
2-Hexanone
Concen: 34.712 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

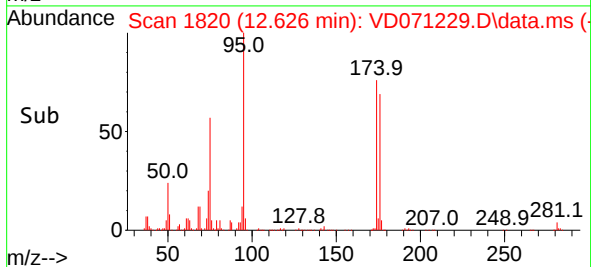
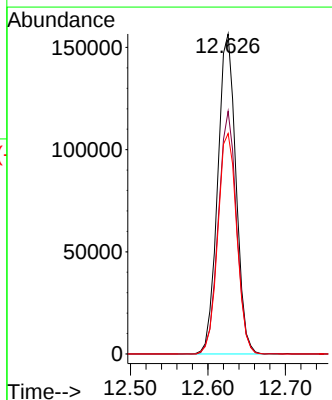
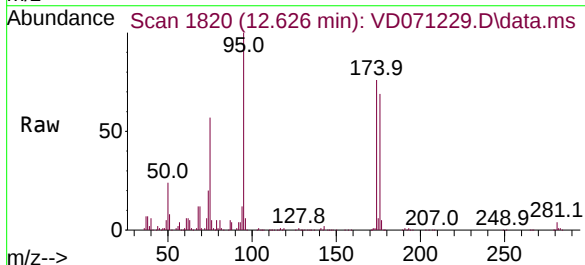
Instrument :
MSVOA_D
ClientSampleId :

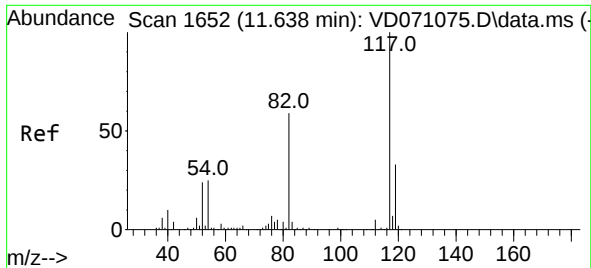
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 61.283 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

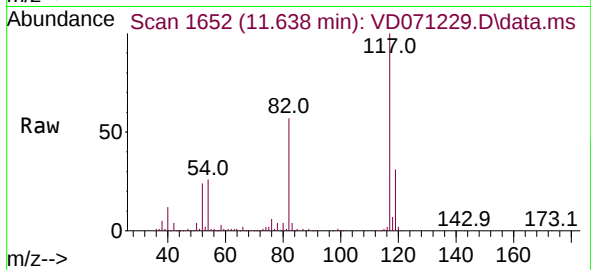
Tgt Ion: 95 Resp: 255941
Ion Ratio Lower Upper
95 100
174 75.6 0.0 159.4
176 71.5 0.0 154.0



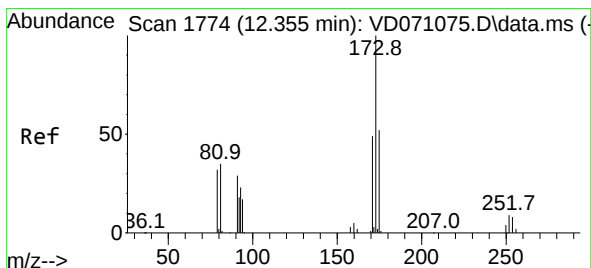
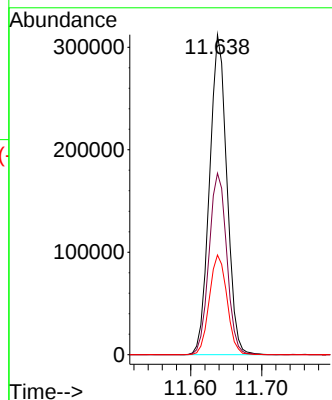
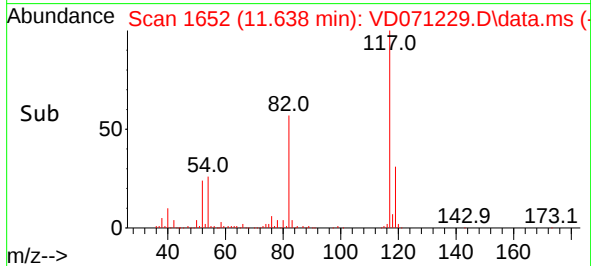


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

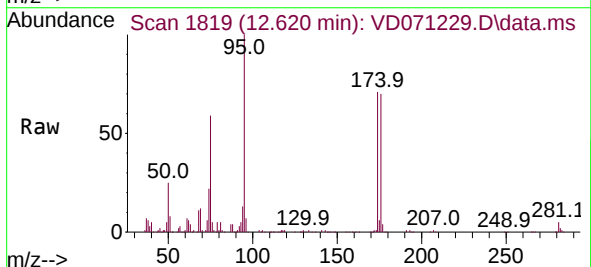
Instrument :
MSVOA_D
ClientSampleId :



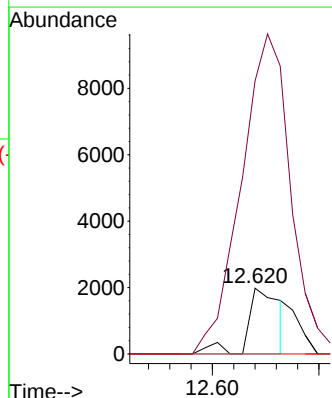
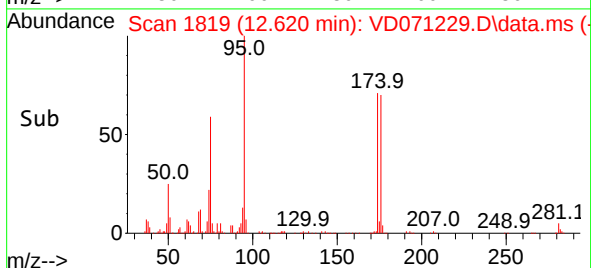
Tgt Ion:117 Resp: 529591
Ion Ratio Lower Upper
117 100
82 56.7 44.7 67.1
119 31.1 26.2 39.4

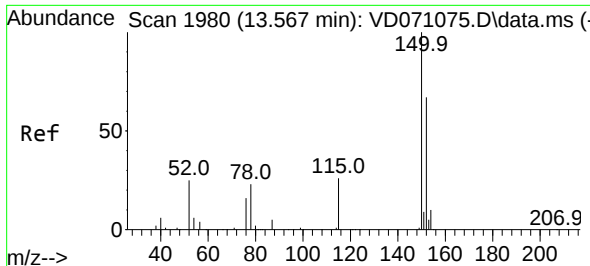


#71
Bromoform
Concen: 1.106 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40



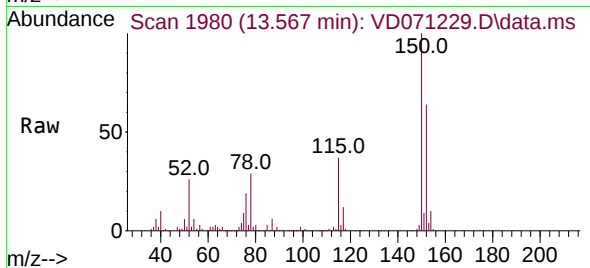
Tgt Ion:173 Resp: 2056
Ion Ratio Lower Upper
173 100
175 631.0 24.1 72.2#
254 0.0 0.1 0.1#



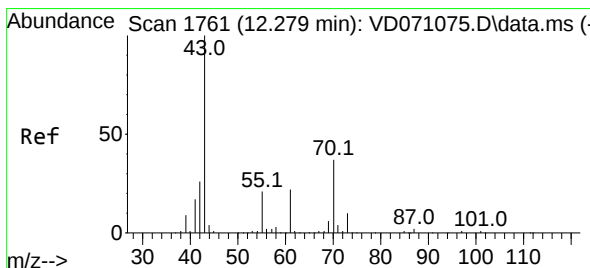
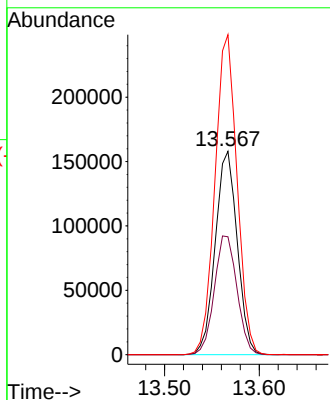
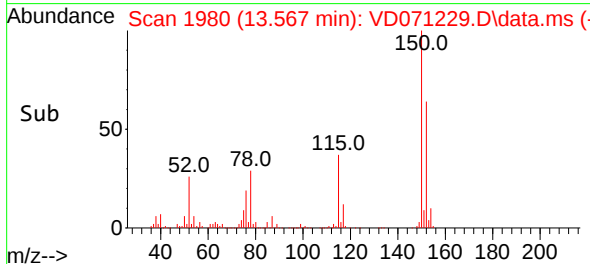


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

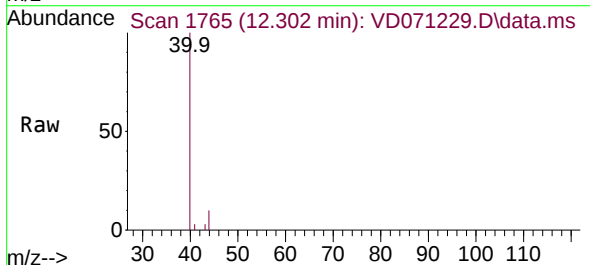
Instrument :
MSVOA_D
ClientSampleId :



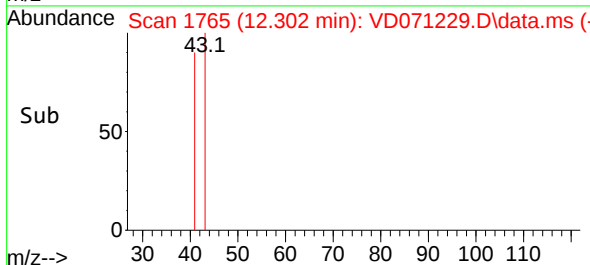
Tgt Ion:152 Resp: 255323
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 157.5 0.0 349.2

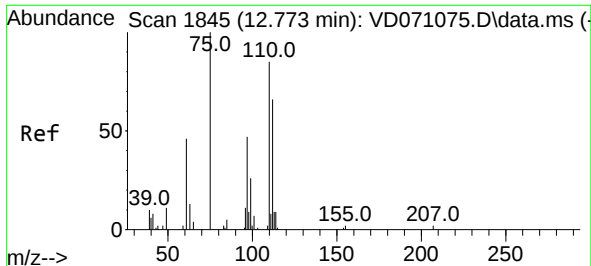


#74
N-ethyl acetate
Concen: 5.716 ug/l
RT: 12.302 min Scan# 1765
Delta R.T. 0.023 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40



Tgt Ion: 43 Resp: 88
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#

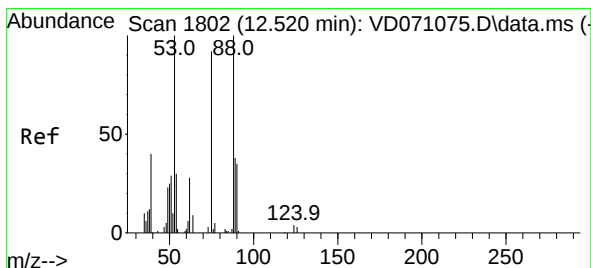
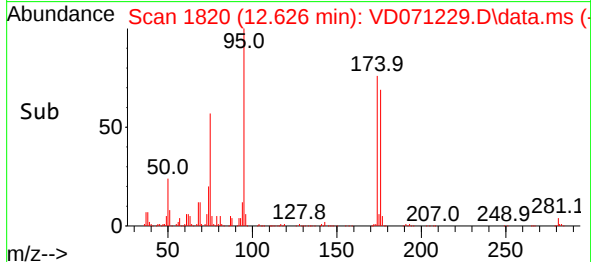
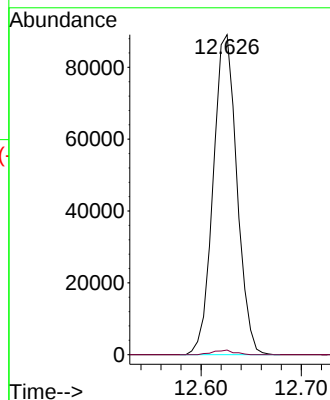
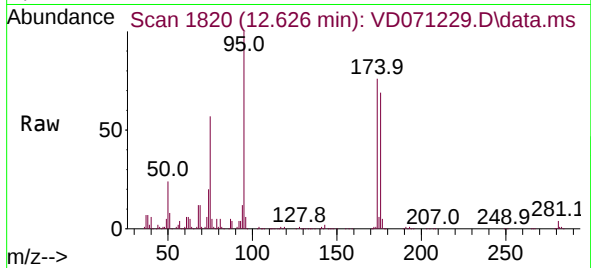




#76
1,2,3-Trichloropropane
Concen: 60.246 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 146554
Ion Ratio Lower Upper
75 100
77 1.3 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.413 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071229.D
Acq: 09 Dec 2021 15:40

Tgt Ion: 75 Resp: 146554
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.0 34.5 51.7#

