

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071145.D
 Acq On : 04 Dec 2021 15:56
 Operator : VA/SY
 Sample : M4927-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 03:43:33 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)

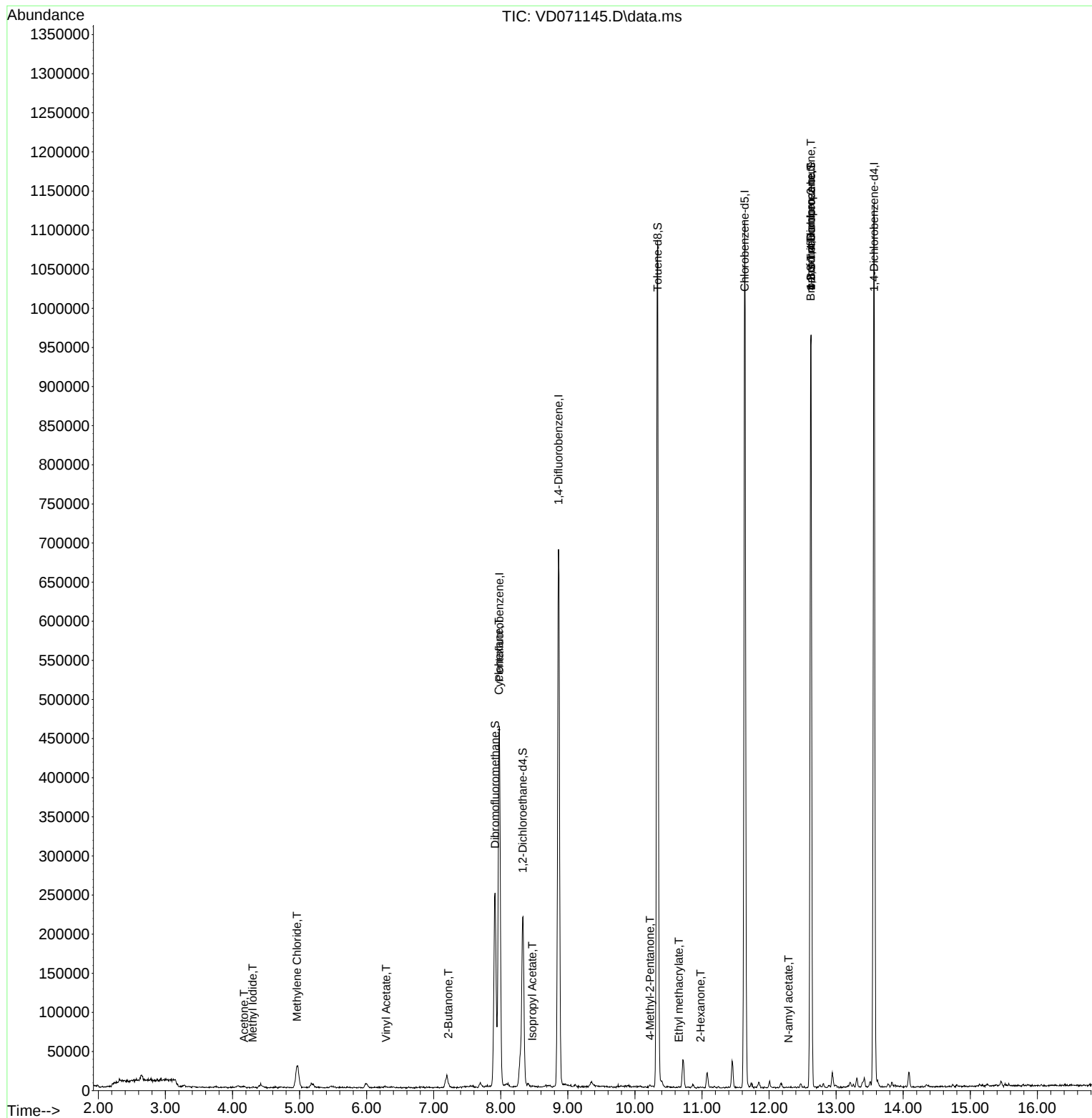
Internal Standards						
1) Pentafluorobenzene	7.979	168	319894	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	562293	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	580568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	275880	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	166931	44.472	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.940%		
35) Dibromofluoromethane	7.914	113	173484	48.451	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.900%		
50) Toluene-d8	10.337	98	714281	52.420	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.840%		
62) 4-Bromofluorobenzene	12.626	95	273956	58.001	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	116.000%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	776	4.749	ug/l #	68
11) Tert butyl alcohol	5.179	59	3303	Below Cal	#	83
16) Acetone	4.173	43	1955	32.516	ug/l	96
20) Methylene Chloride	4.961	84	19620	1.095	ug/l #	85
23) Vinyl Acetate	6.291	43	549	27.298	ug/l #	72
25) 2-Butanone	7.220	43	928	29.074	ug/l #	45
31) Cyclohexane	7.973	56	10800	1.692	ug/l #	49
41) Methacrylonitrile	7.508	41	295	Below Cal	#	22
43) Isopropyl Acetate	8.467	43	68	5.235	ug/l #	47
51) 4-Methyl-2-Pentanone	10.226	43	1222	31.071	ug/l	98
56) Ethyl methacrylate	10.655	69	384	6.062	ug/l #	51
59) 2-Hexanone	10.979	43	344	34.728	ug/l	61
71) Bromoform	12.620	173	2750	1.350	ug/l #	1
74) N-amyl acetate	12.290	43	232	5.739	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	153711	58.479	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	153711	126.759	ug/l #	18

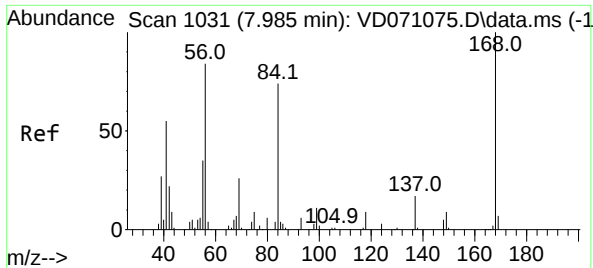
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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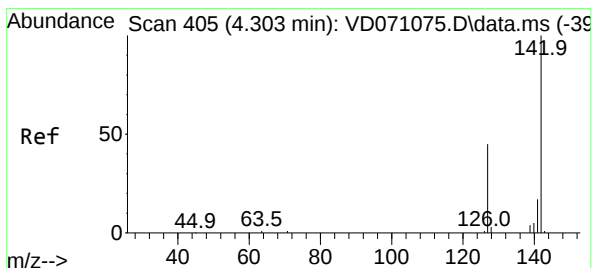
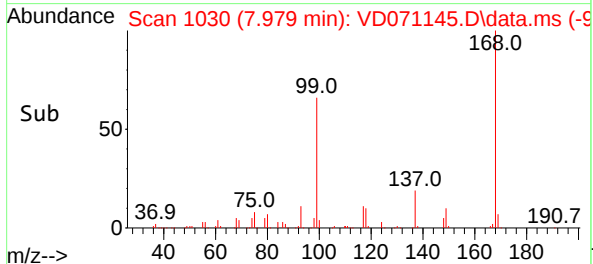
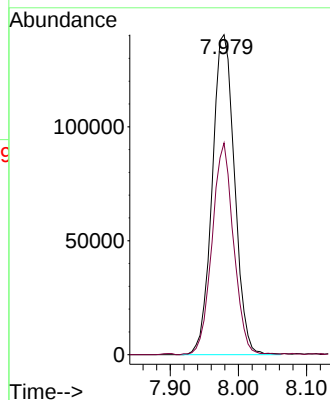
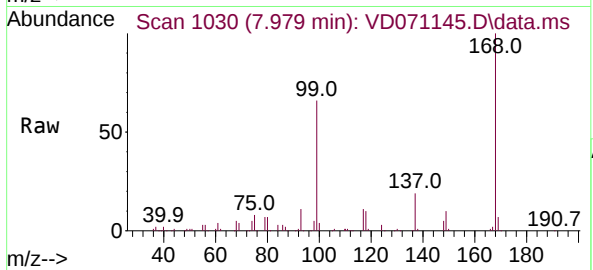




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

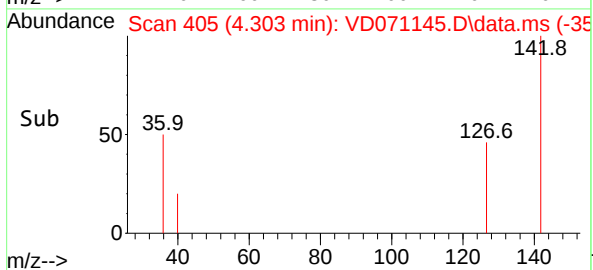
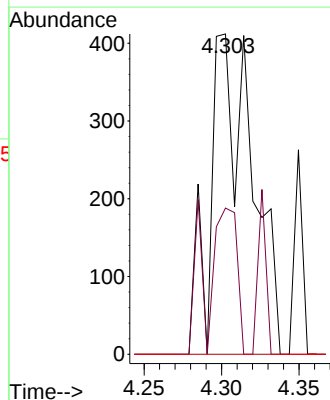
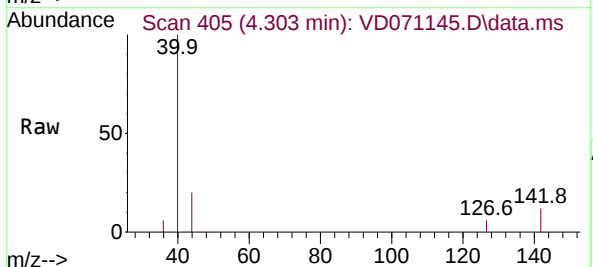
Instrument :
MSVOA_D
ClientSampleId :

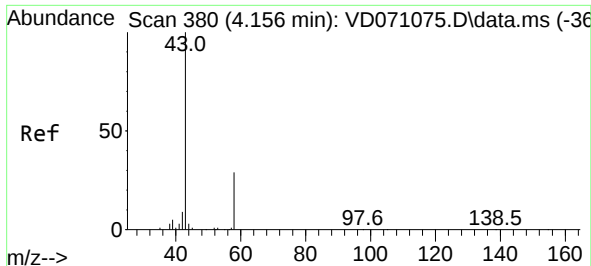
Tgt Ion:168 Resp: 319894
Ion Ratio Lower Upper
168 100
99 66.2 46.6 69.8



#10
Methyl Iodide
Concen: 4.749 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Tgt Ion:142 Resp: 776
Ion Ratio Lower Upper
142 100
127 24.2 35.0 52.4#
141 0.0 12.0 18.0#

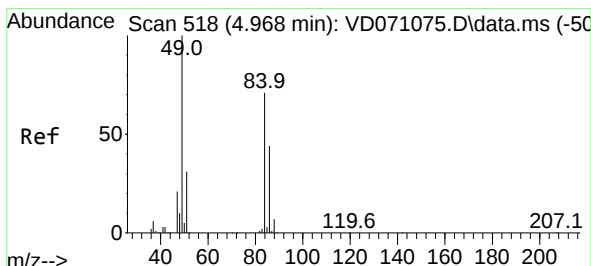
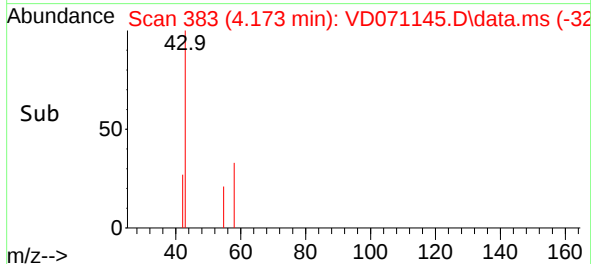
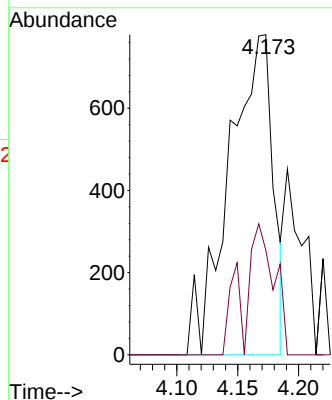
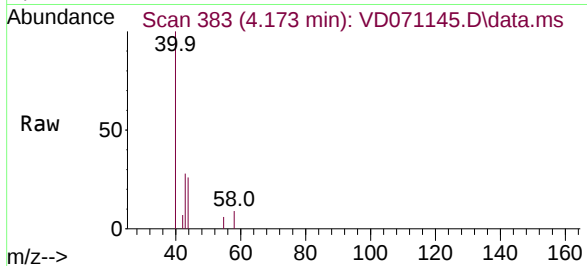




#16
Acetone
Concen: 32.516 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.017 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

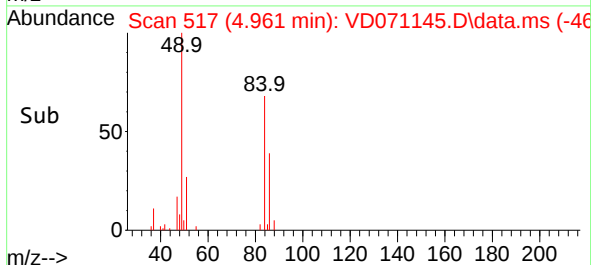
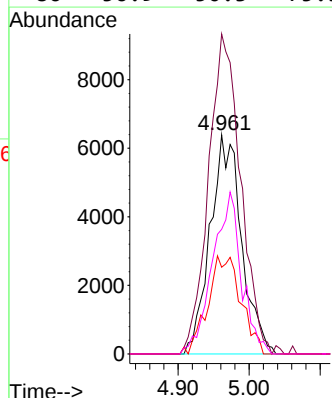
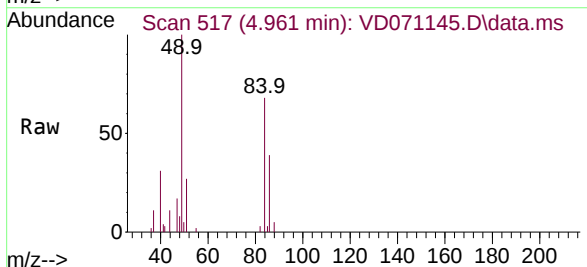
Instrument :
MSVOA_D
ClientSampleId :

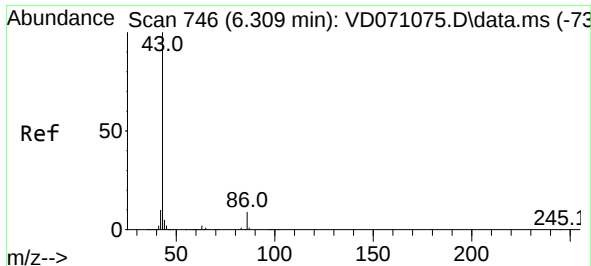
Tgt Ion: 43 Resp: 1955
Ion Ratio Lower Upper
43 100
58 32.7 27.8 41.8



#20
Methylene Chloride
Concen: 1.095 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.007 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Tgt Ion: 84 Resp: 19620
Ion Ratio Lower Upper
84 100
49 146.1 95.8 143.6#
51 39.6 30.9 46.3
86 56.9 50.3 75.5

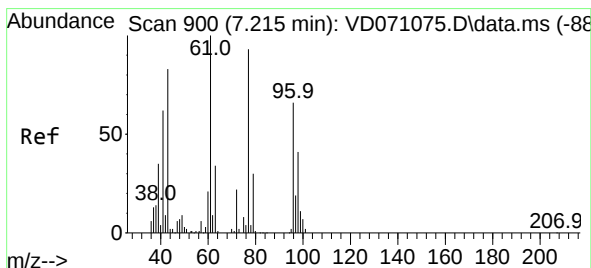
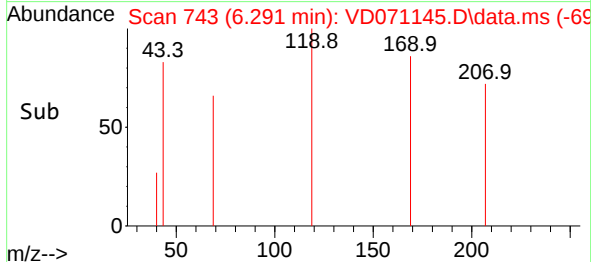
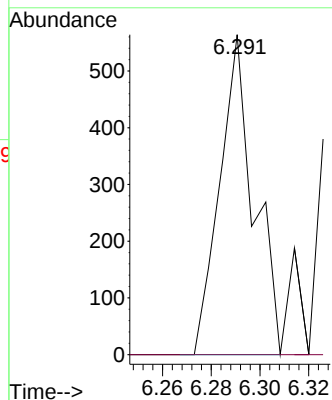
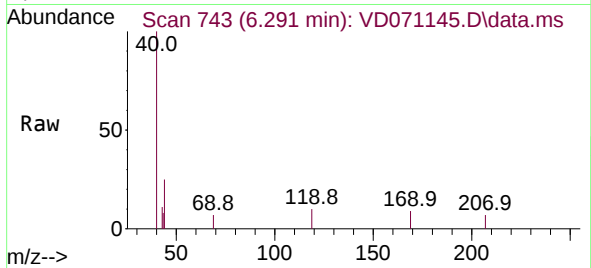




#23
 Vinyl Acetate
 Concen: 27.298 ug/l
 RT: 6.291 min Scan# 746
 Delta R.T. -0.018 min
 Lab File: VD071145.D
 Acq: 04 Dec 2021 15:56

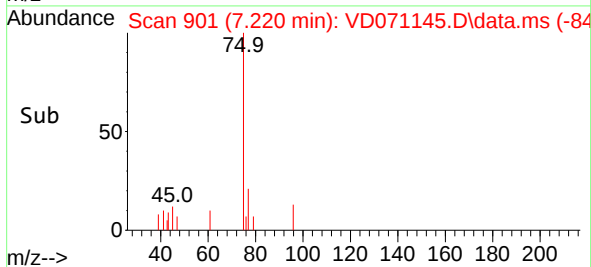
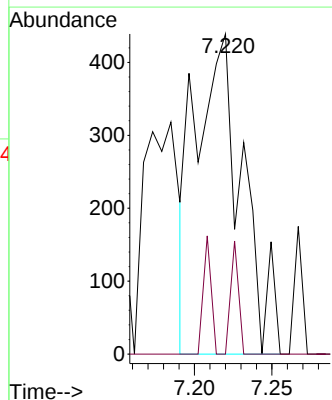
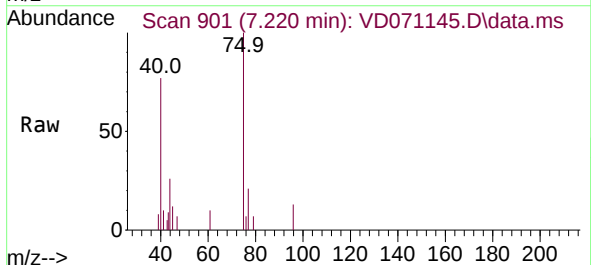
Instrument :
 MSVOA_D
 ClientSampleId :

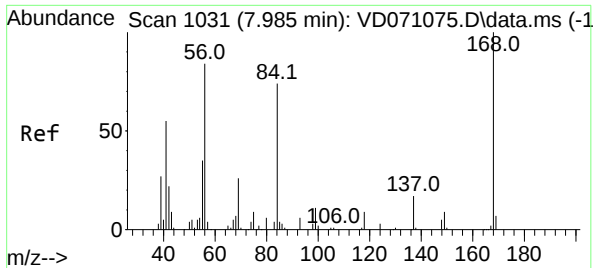
Tgt Ion: 43 Resp: 549
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.074 ug/l
 RT: 7.220 min Scan# 901
 Delta R.T. 0.005 min
 Lab File: VD071145.D
 Acq: 04 Dec 2021 15:56

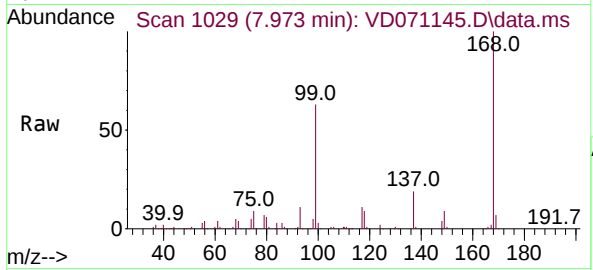
Tgt Ion: 43 Resp: 928
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



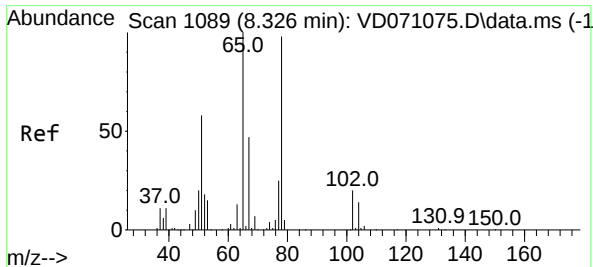
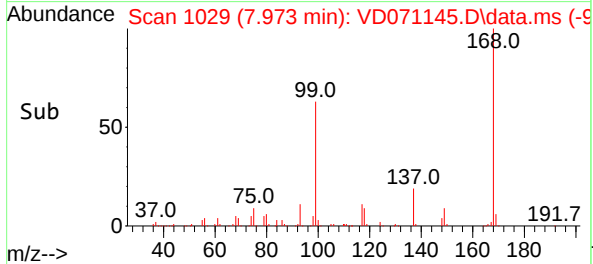
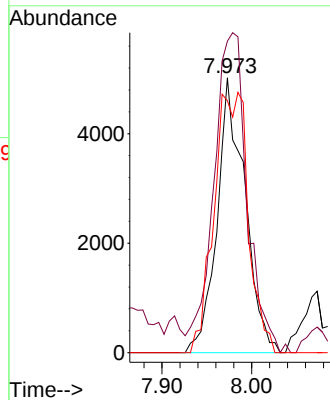


#31
Cyclohexane
Concen: 1.692 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

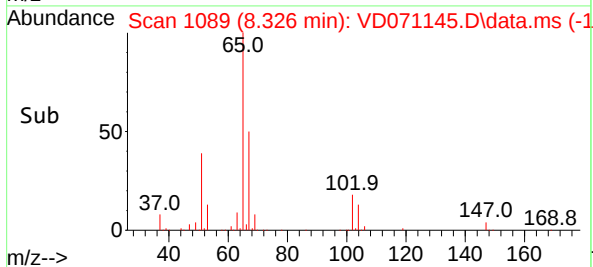
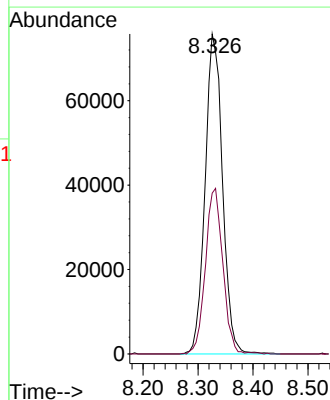
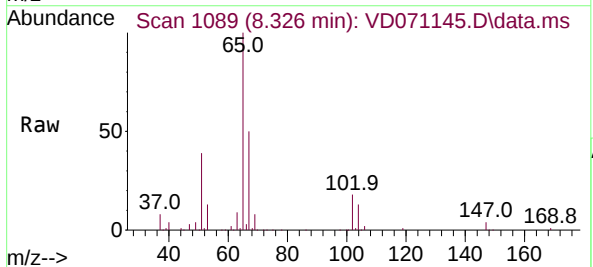


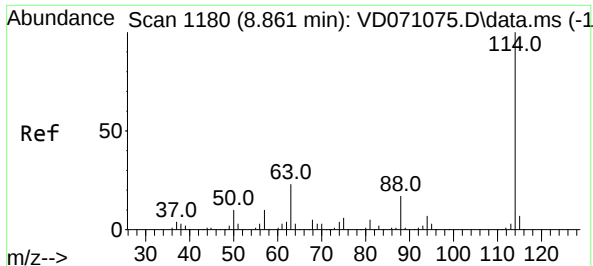
Tgt Ion: 56 Resp: 10800
Ion Ratio Lower Upper
56 100
69 113.3 25.9 38.9#
84 91.7 64.3 96.5



#33
1,2-Dichloroethane-d4
Concen: 44.472 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Tgt Ion: 65 Resp: 166931
Ion Ratio Lower Upper
65 100
67 51.8 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: VD071145.D

Acq: 04 Dec 2021 15:56

Instrument :

MSVOA_D

ClientSampleId :

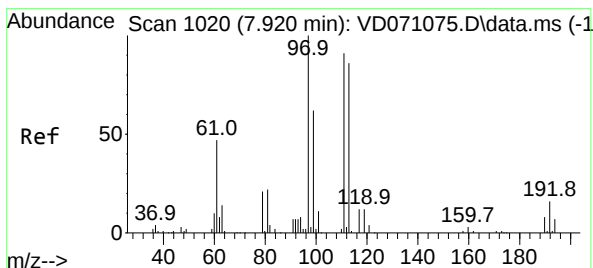
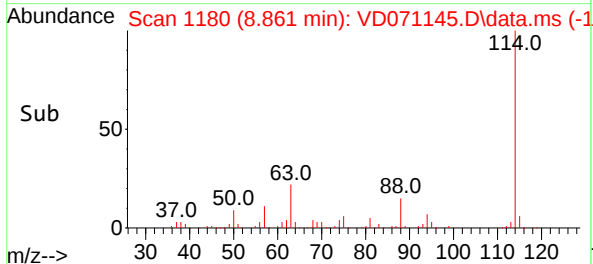
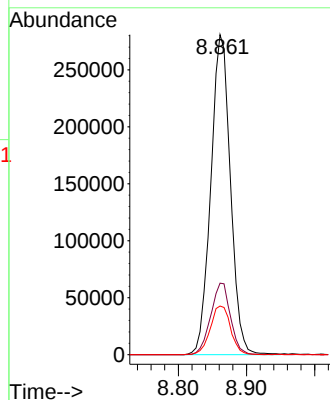
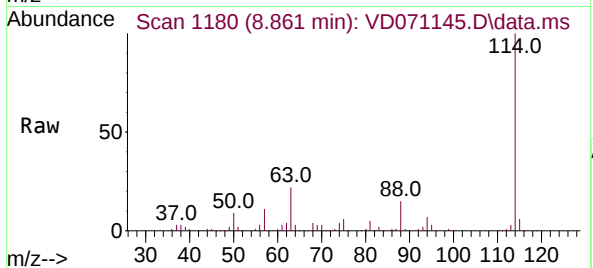
Tgt Ion:114 Resp: 562293

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 48.451 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071145.D

Acq: 04 Dec 2021 15:56

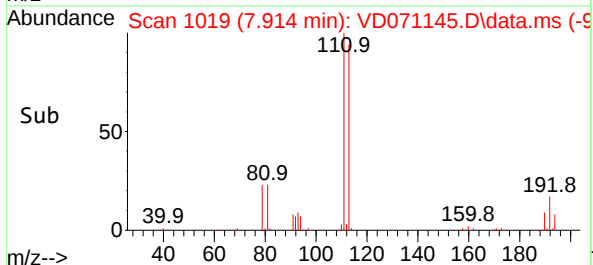
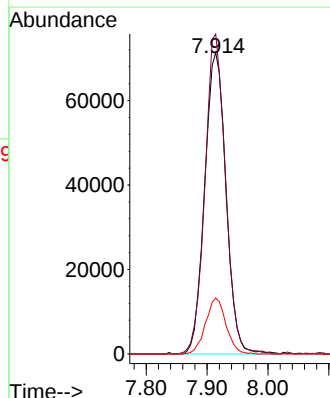
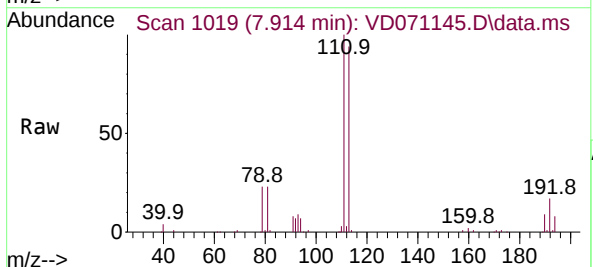
Tgt Ion:113 Resp: 173484

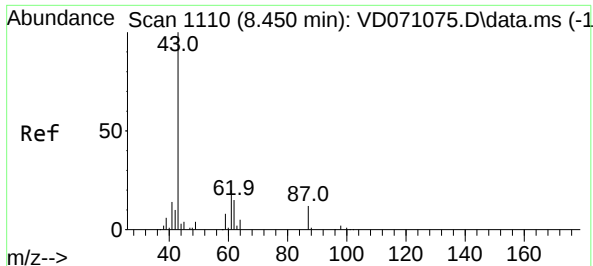
Ion Ratio Lower Upper

113 100

111 102.6 82.0 123.0

192 17.7 15.2 22.8





#43

Isopropyl Acetate

Concen: 5.235 ug/l

RT: 8.467 min Scan# 1110

Delta R.T. 0.017 min

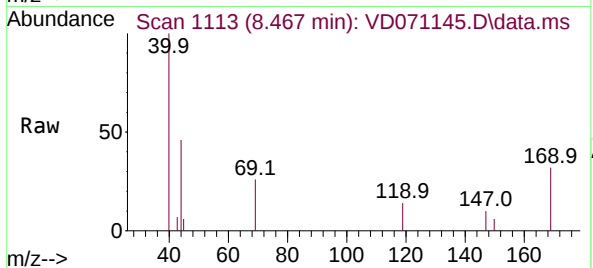
Lab File: VD071145.D

Acq: 04 Dec 2021 15:56

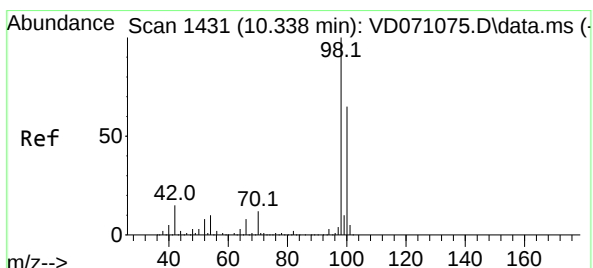
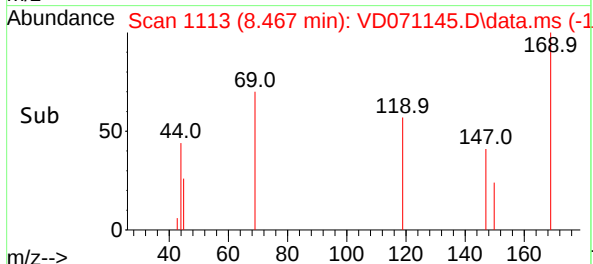
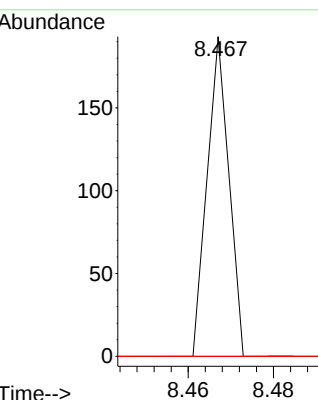
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 68
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 52.420 ug/l

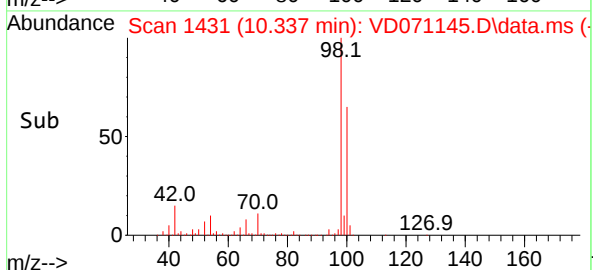
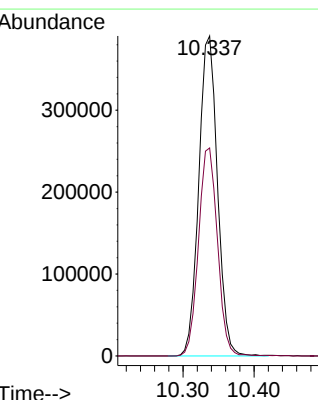
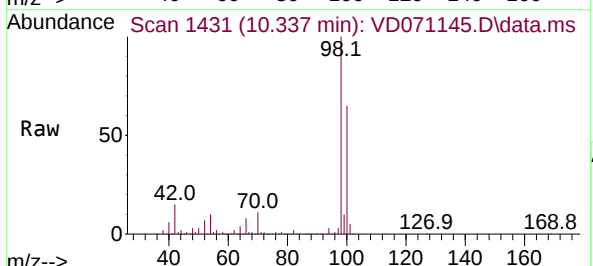
RT: 10.337 min Scan# 1431

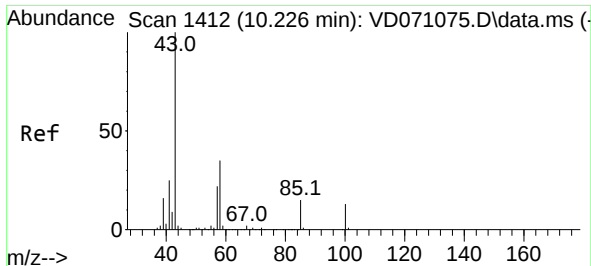
Delta R.T. -0.001 min

Lab File: VD071145.D

Acq: 04 Dec 2021 15:56

Tgt Ion: 98	Resp: 714281
Ion Ratio	Lower Upper
98	100
100	65.6 51.8 77.6

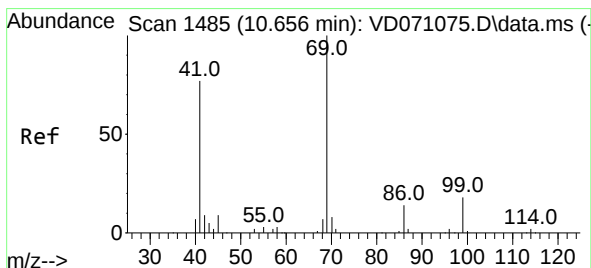
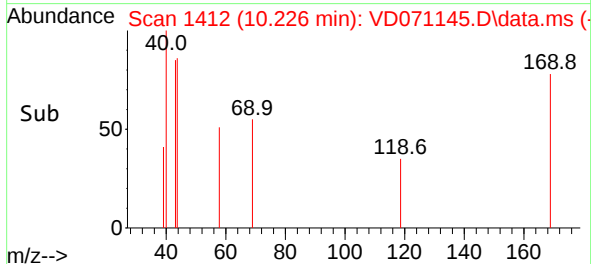
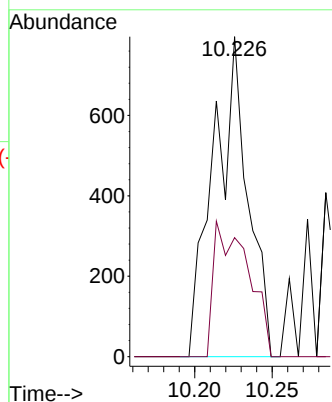
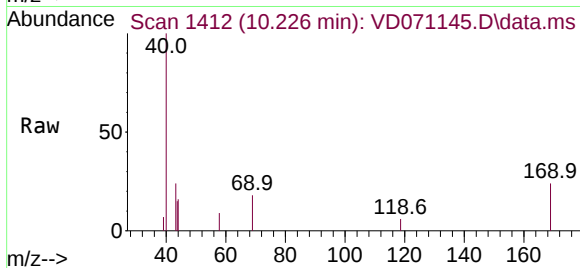




#51
4-Methyl-2-Pentanone
Concen: 31.071 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

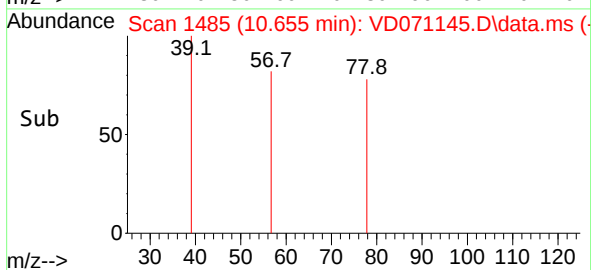
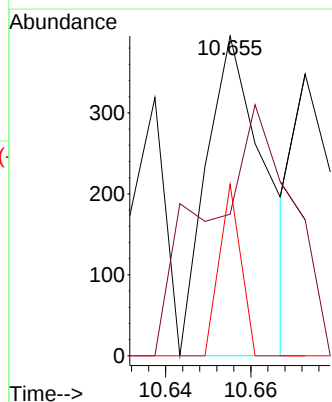
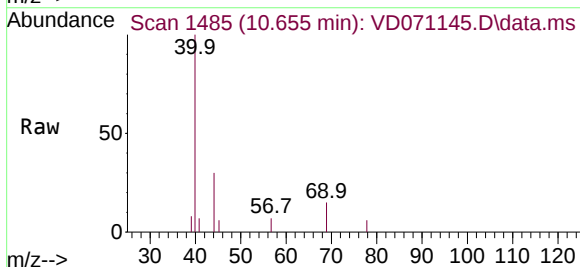
Instrument :
MSVOA_D
ClientSampleId :

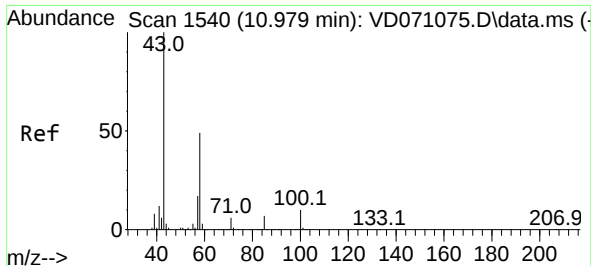
Tgt Ion: 43 Resp: 1222
Ion Ratio Lower Upper
43 100
58 42.6 33.1 49.7



#56
Ethyl methacrylate
Concen: 6.062 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.001 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Tgt Ion: 69 Resp: 384
Ion Ratio Lower Upper
69 100
41 112.2 50.2 75.2#
39 19.5 19.8 29.8#

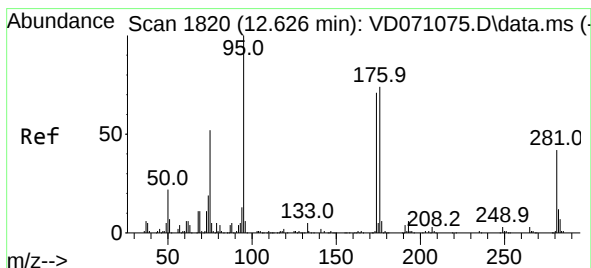
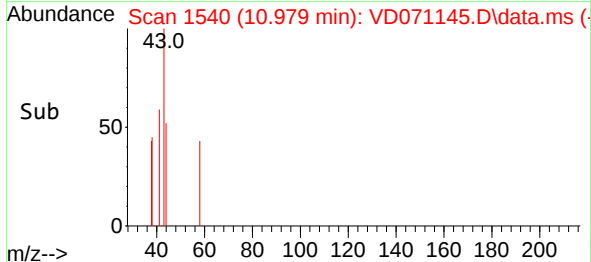
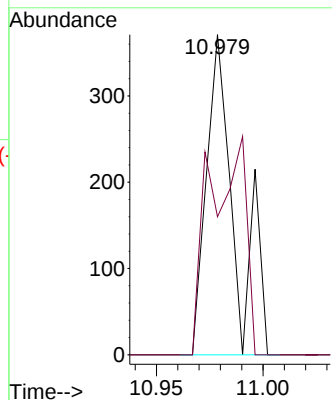
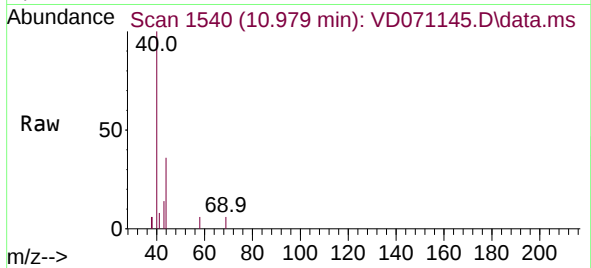




#59
2-Hexanone
Concen: 34.728 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

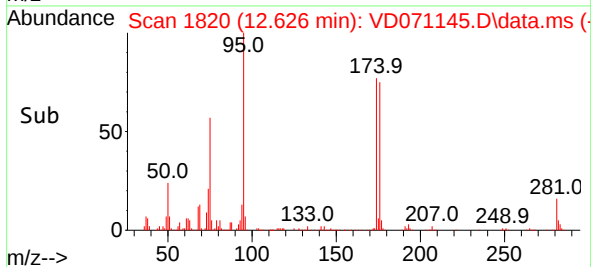
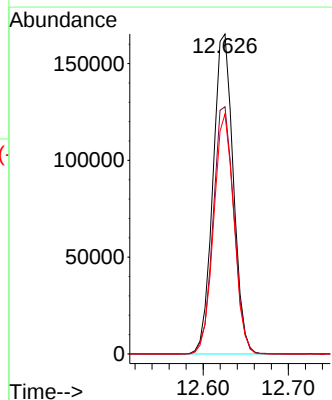
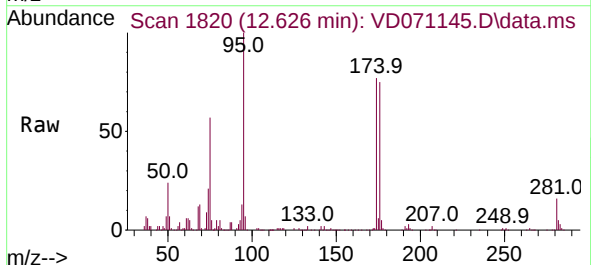
Instrument :
MSVOA_D
ClientSampleId :

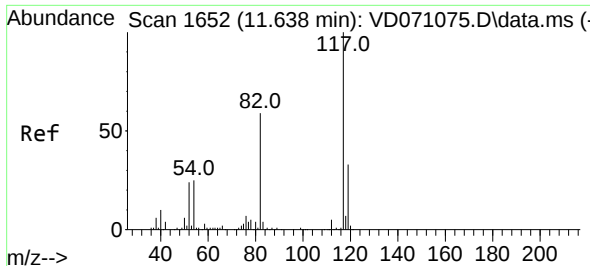
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
58 86.0 28.7 86.1



#62
4-Bromofluorobenzene
Concen: 58.001 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

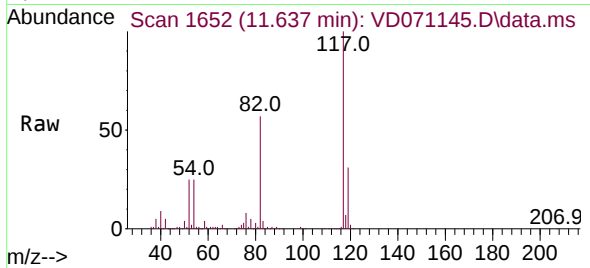
Tgt Ion: 95 Resp: 273956
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.4
176 74.7 0.0 154.0



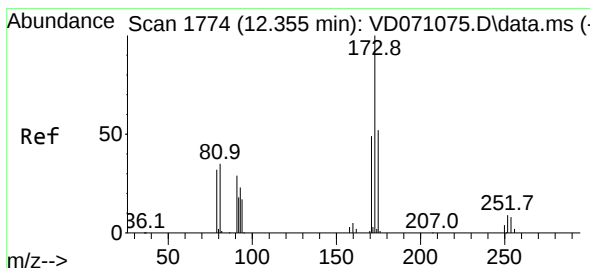
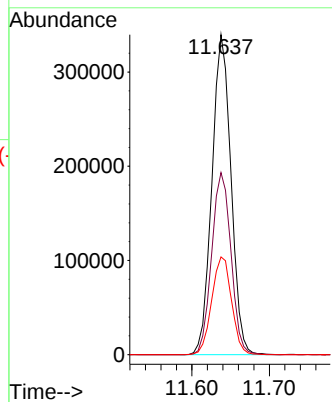
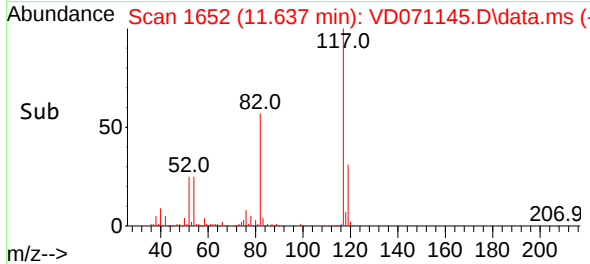


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.001 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

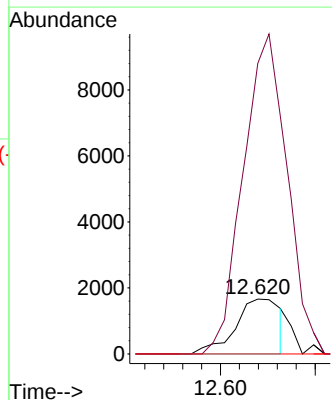
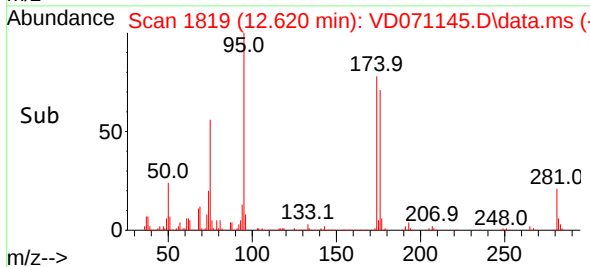
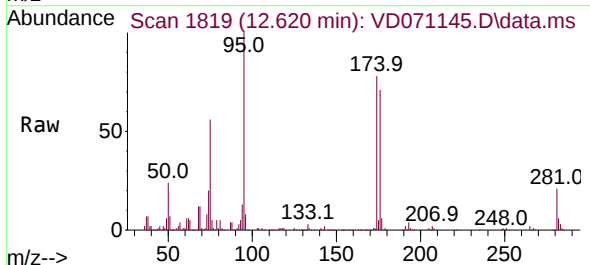


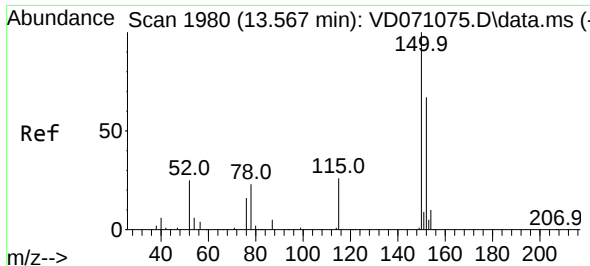
Tgt Ion:117 Resp: 580568
Ion Ratio Lower Upper
117 100
82 56.9 44.7 67.1
119 30.6 26.2 39.4



#71
Bromoform
Concen: 1.350 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

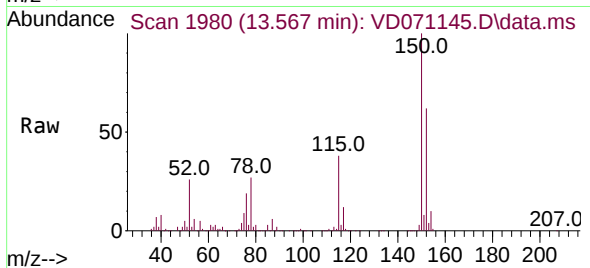
Tgt Ion:173 Resp: 2750
Ion Ratio Lower Upper
173 100
175 479.5 24.1 72.2#
254 0.0 0.1 0.1#



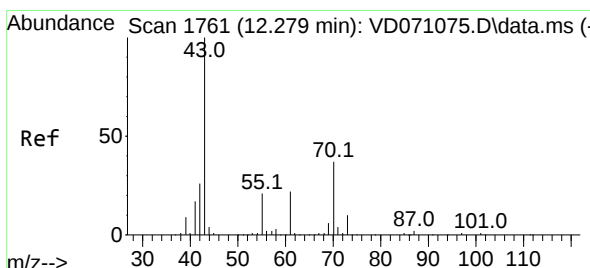
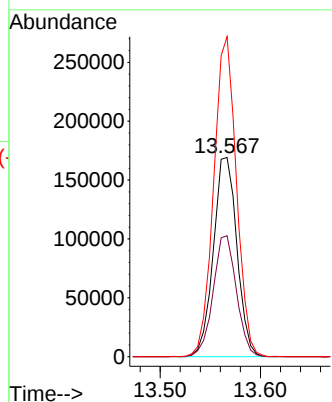
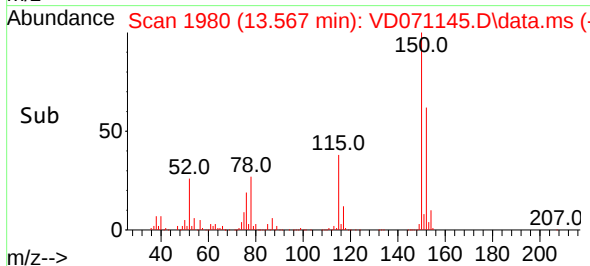


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

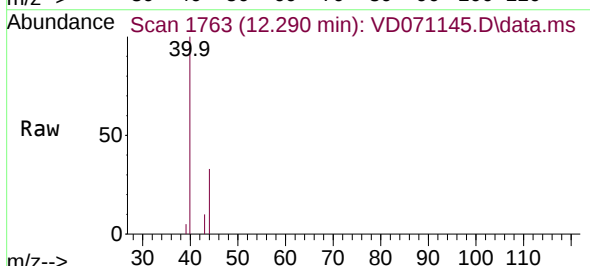
Instrument :
MSVOA_D
ClientSampleId :



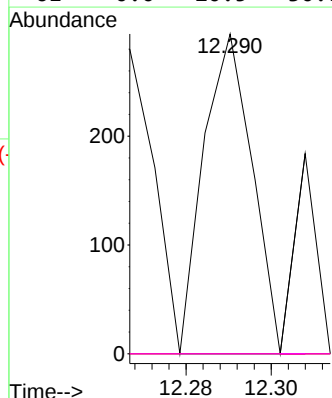
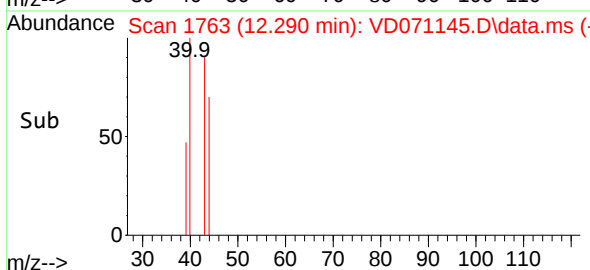
Tgt Ion:152 Resp: 275880
Ion Ratio Lower Upper
152 100
115 60.2 29.8 89.3
150 154.9 0.0 349.2

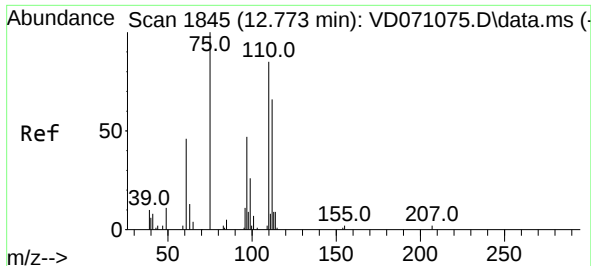


#74
N-ethyl acetate
Concen: 5.739 ug/l
RT: 12.290 min Scan# 1763
Delta R.T. 0.011 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56



Tgt Ion: 43 Resp: 232
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#

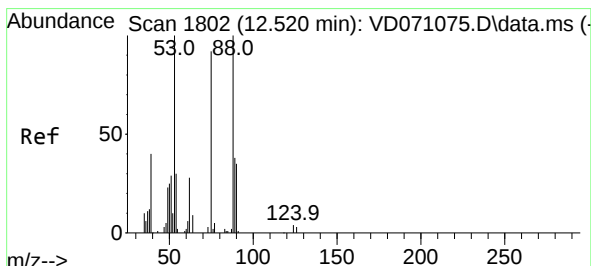
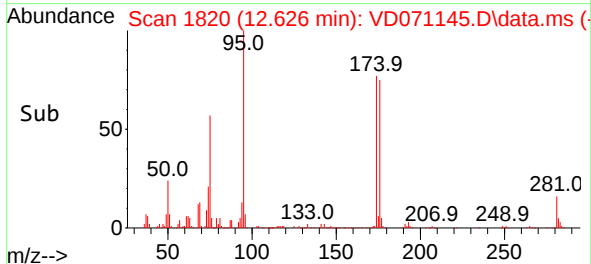
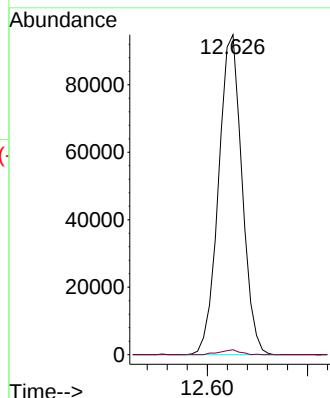
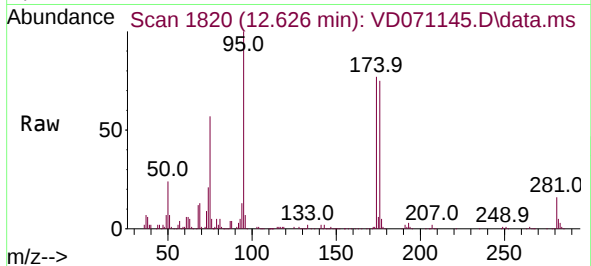




#76
1,2,3-Trichloropropane
Concen: 58.479 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 153711
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.759 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071145.D
Acq: 04 Dec 2021 15:56

Tgt Ion: 75 Resp: 153711
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.3 34.5 51.7#

