

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074223.D
 Acq On : 24 Aug 2022 15:07
 Operator : VA/SY
 Sample : N4260-04
 Misc : 5.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(16-22)

Quant Time: Aug 25 05:03:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

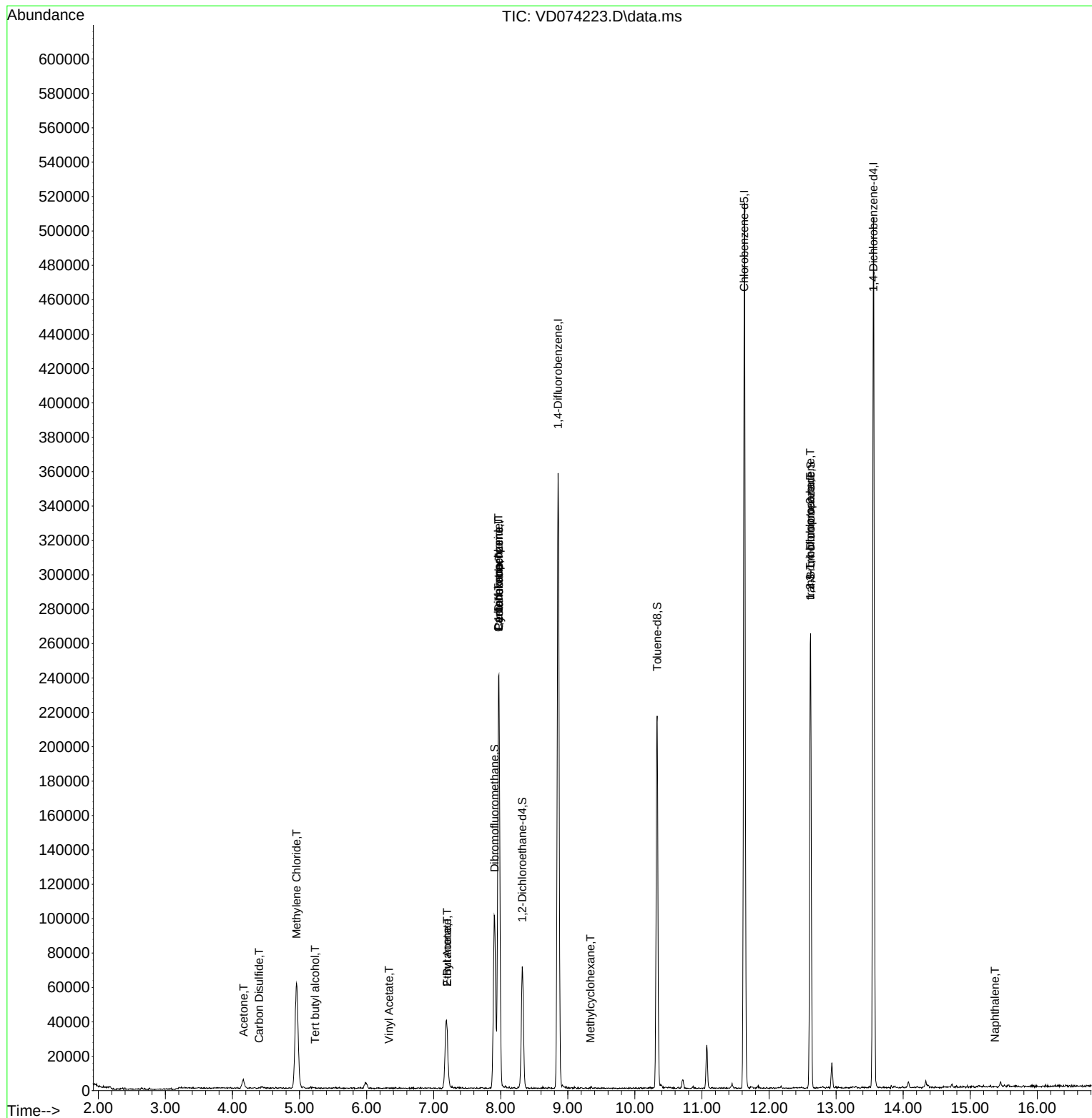
Internal Standards						
1) Pentafluorobenzene	7.973	168	176851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	301471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	292003	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	137833	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	56418	31.219	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	62.440%		
35) Dibromofluoromethane	7.908	113	74347	36.869	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	73.740%		
50) Toluene-d8	10.332	98	151508	23.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	46.700%#		
62) 4-Bromofluorobenzene	12.620	95	88211	34.405	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	68.820%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.232	59	768	6.825	ug/l #	74
16) Acetone	4.167	43	8439	24.511	ug/l	97
17) Carbon Disulfide	4.397	76	93	2.029	ug/l #	74
18) Methyl Acetate	4.726	43	56	Below Cal	#	55
20) Methylene Chloride	4.956	84	48377	18.332	ug/l	85
23) Vinyl Acetate	6.332	43	73	10.095	ug/l #	75
25) 2-Butanone	7.203	43	2814	5.280	ug/l #	52
31) Cyclohexane	7.973	56	4391	1.365	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	14915	4.894	ug/l #	52
37) Ethyl Acetate	7.203	43	2814	2.342	ug/l #	1
38) Carbon Tetrachloride	7.967	117	18874	5.765	ug/l #	17
39) Methylcyclohexane	9.338	83	466	2.331	ug/l #	57
76) 1,2,3-Trichloropropane	12.614	75	44574	33.120	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.614	75	44574	85.173	ug/l #	7
95) Naphthalene	15.367	128	583	3.533	ug/l #	70

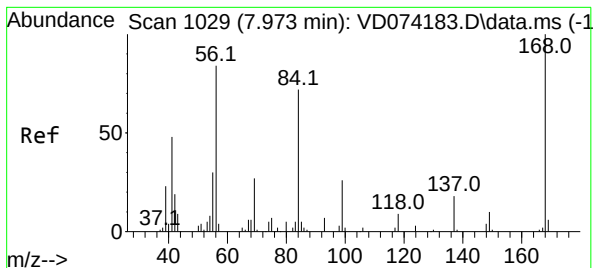
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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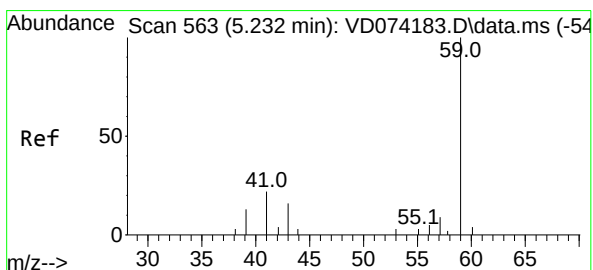
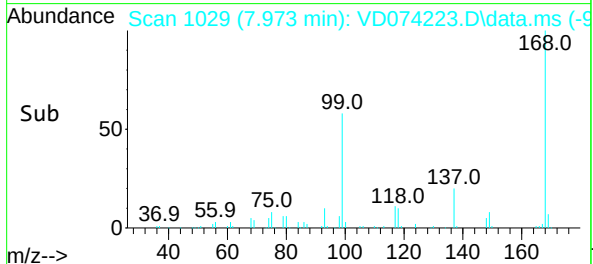
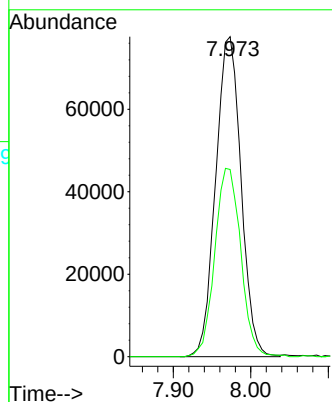
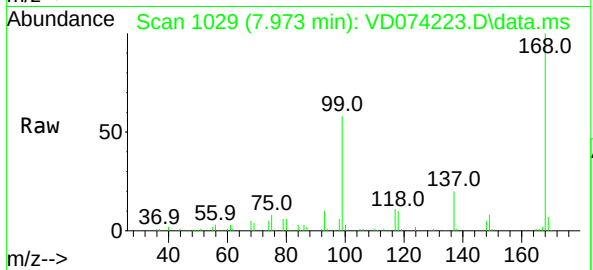




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

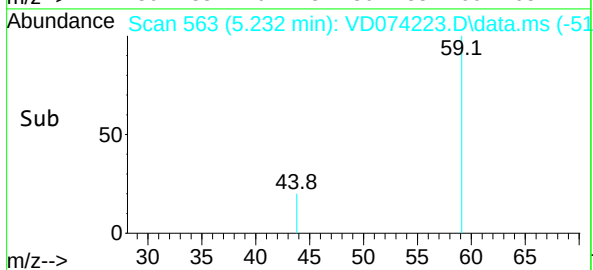
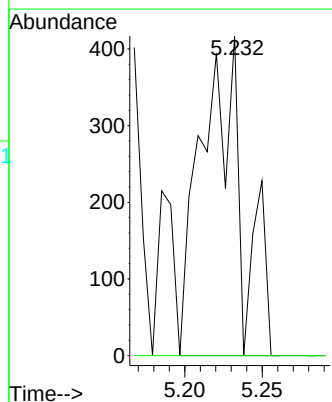
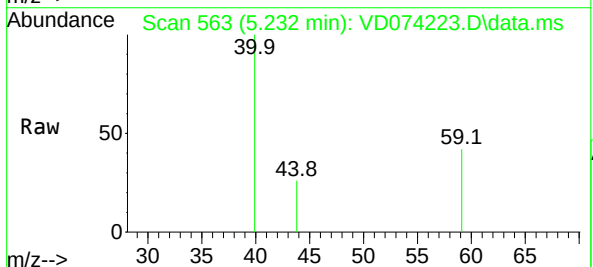
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

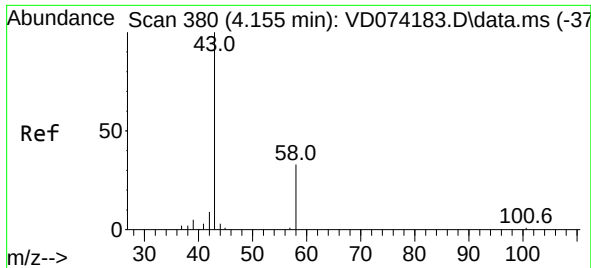
Tgt Ion:168 Resp: 176851
Ion Ratio Lower Upper
168 100
99 58.5 49.8 74.6



#11
Tert butyl alcohol
Concen: 6.825 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.000 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

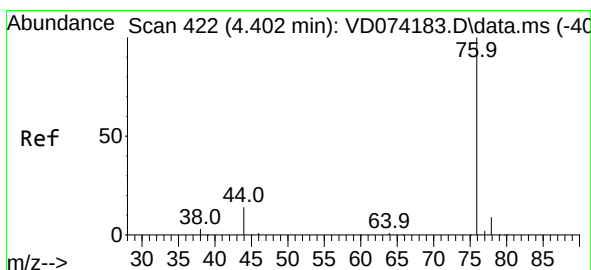
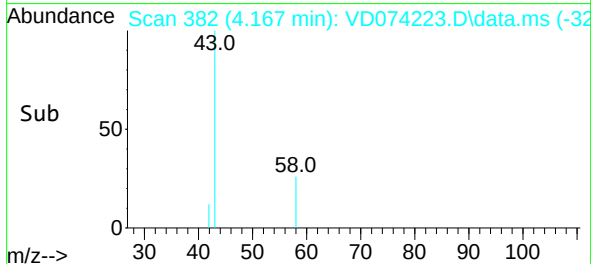
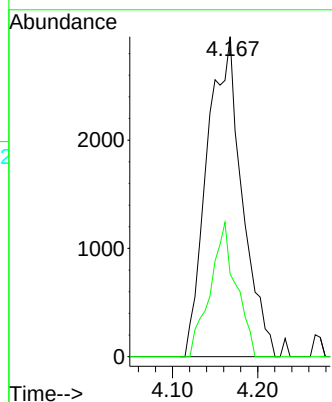
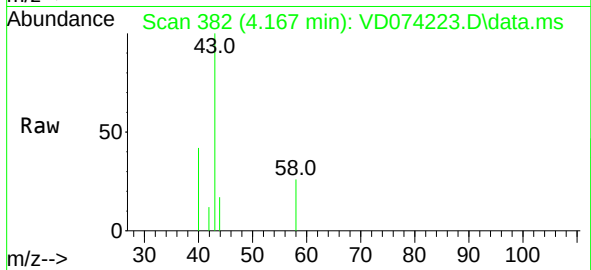




#16
Acetone
Concen: 24.511 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

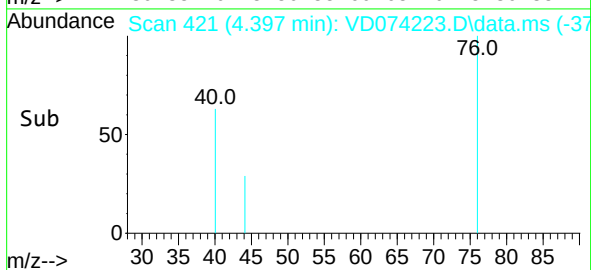
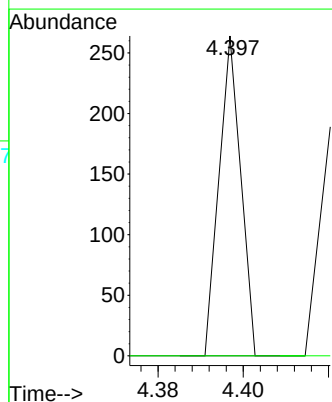
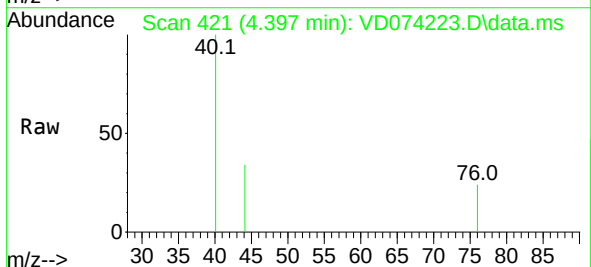
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

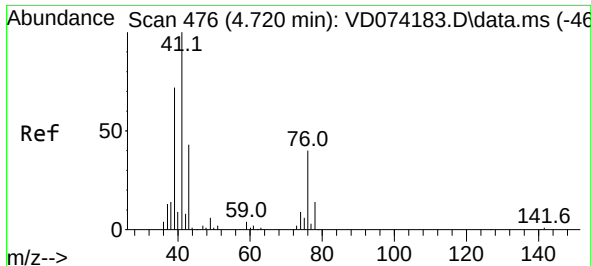
Tgt Ion: 43 Resp: 8439
Ion Ratio Lower Upper
43 100
58 25.8 22.1 33.1



#17
Carbon Disulfide
Concen: 2.029 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.005 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 76 Resp: 93
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

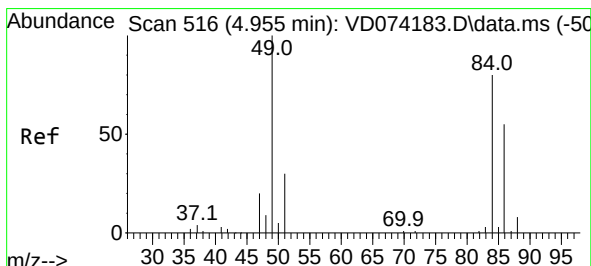
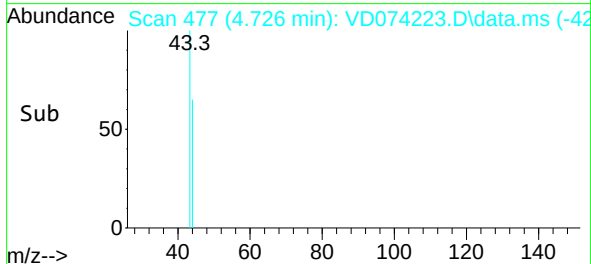
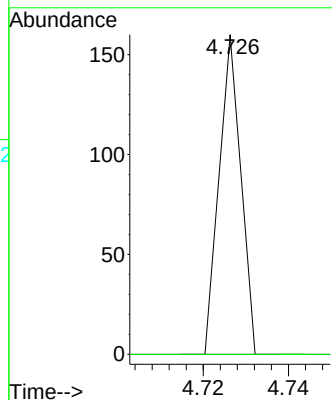
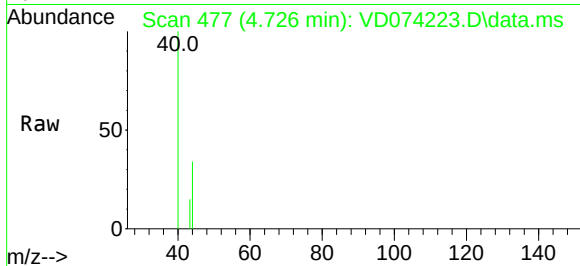




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

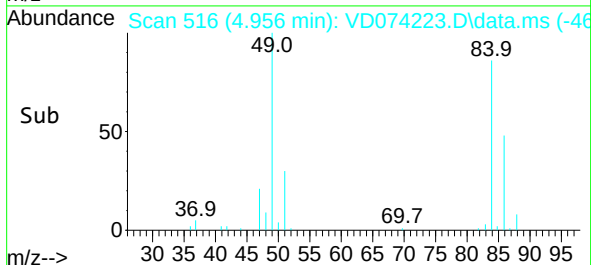
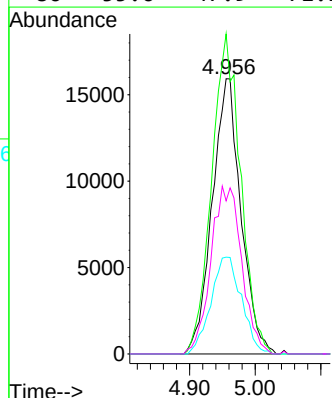
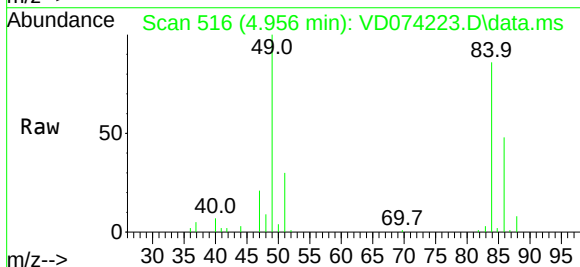
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

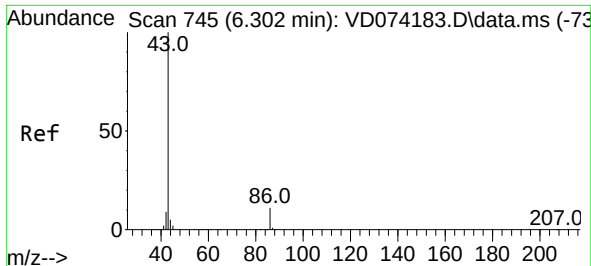
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



#20
Methylene Chloride
Concen: 18.332 ug/l
RT: 4.956 min Scan# 516
Delta R.T. 0.001 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 84 Resp: 48377
Ion Ratio Lower Upper
84 100
49 116.2 112.8 169.2
51 35.2 32.6 48.8
86 55.6 47.9 71.9

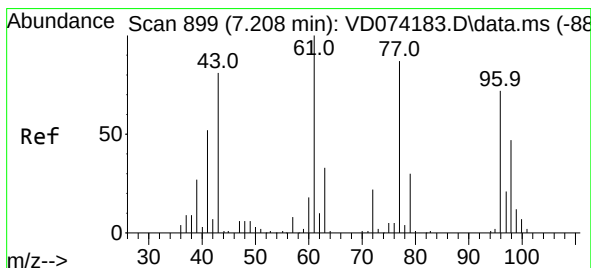
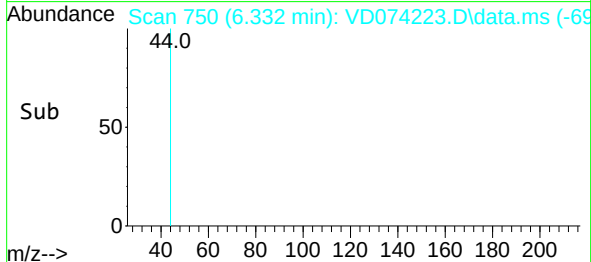
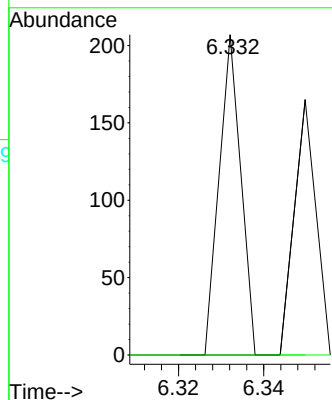
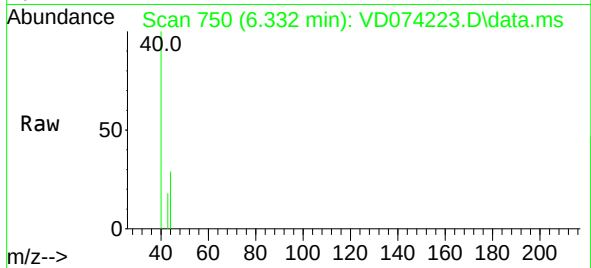




#23
 Vinyl Acetate
 Concen: 10.095 ug/l
 RT: 6.332 min Scan# 71
 Delta R.T. 0.030 min
 Lab File: VD074223.D
 Acq: 24 Aug 2022 15:07

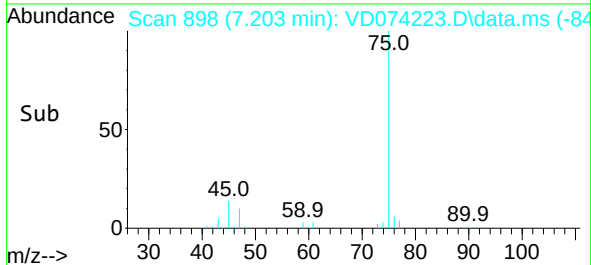
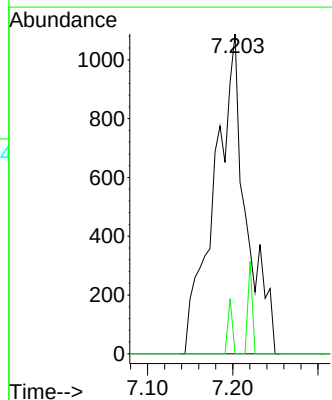
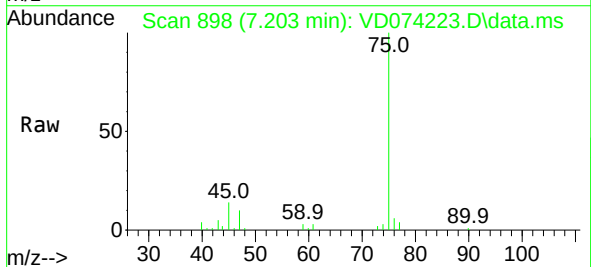
Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(16-22)

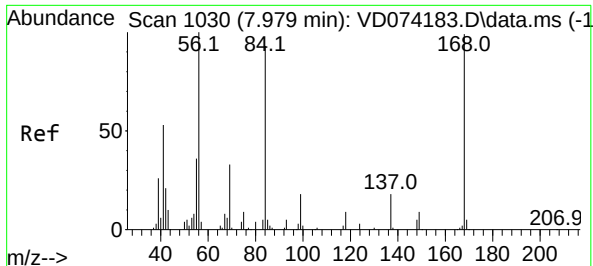
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 5.280 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.005 min
 Lab File: VD074223.D
 Acq: 24 Aug 2022 15:07

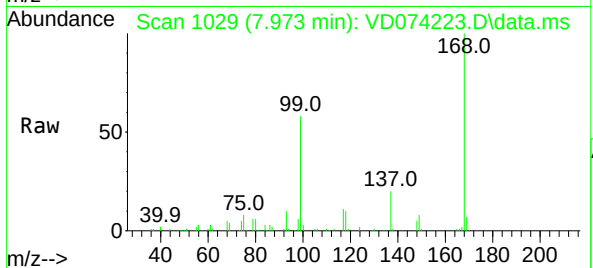
Tgt Ion: 43 Resp: 2814
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#



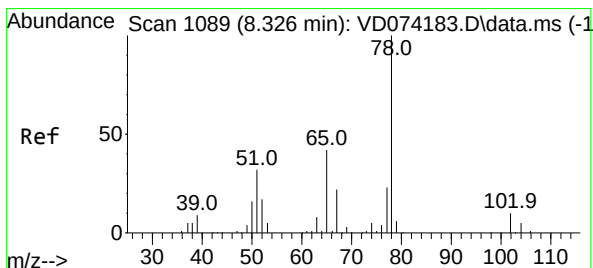
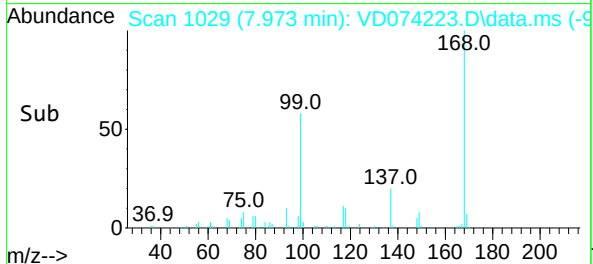
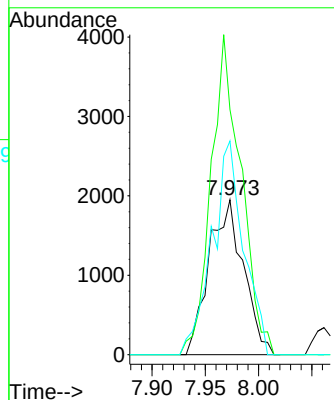


#31
Cyclohexane
Concen: 1.365 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

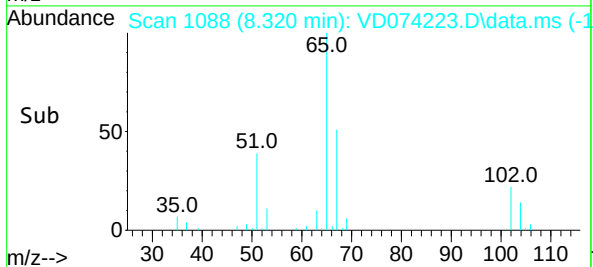
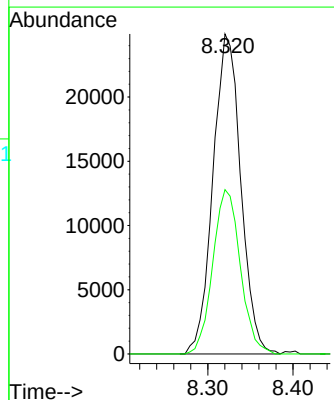
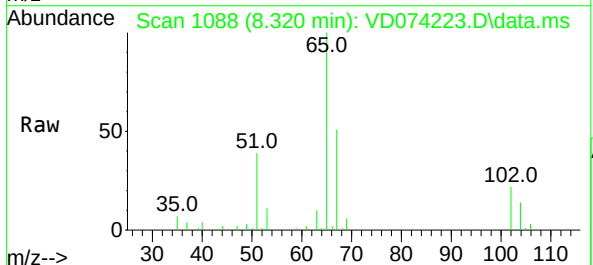


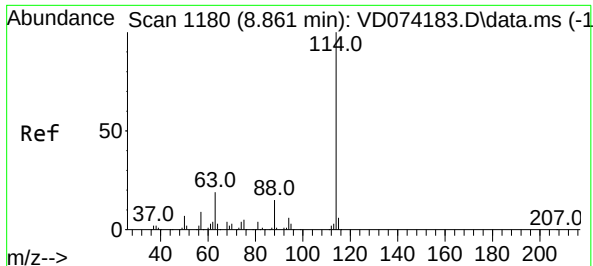
Tgt Ion: 56 Resp: 4391
Ion Ratio Lower Upper
56 100
69 158.3 25.4 38.2#
84 138.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 31.219 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 65 Resp: 56418
Ion Ratio Lower Upper
65 100
67 50.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD074223.D

Acq: 24 Aug 2022 15:07

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(16-22)

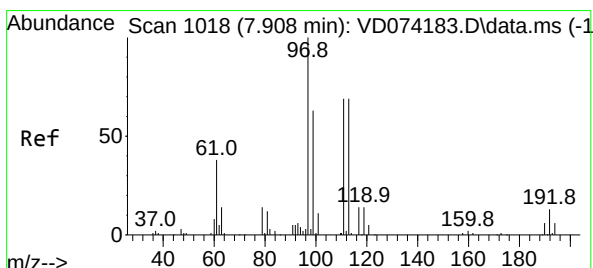
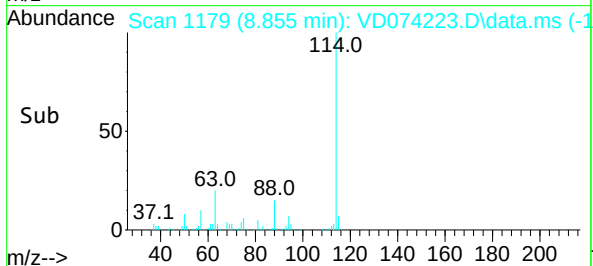
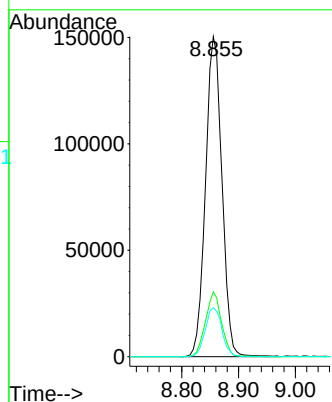
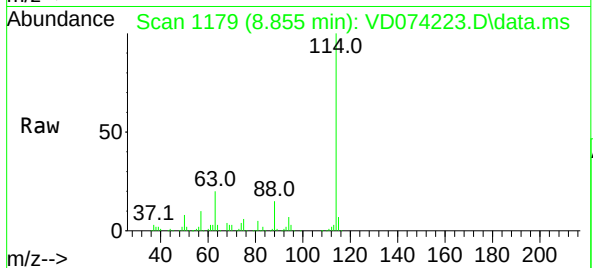
Tgt Ion:114 Resp: 301471

Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 15.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 36.869 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD074223.D

Acq: 24 Aug 2022 15:07

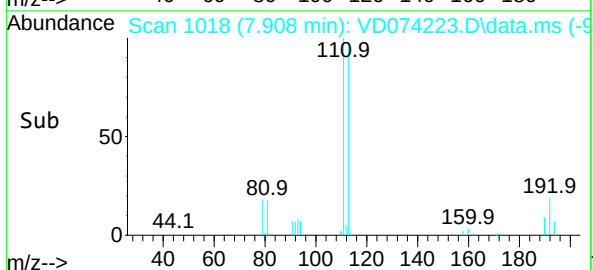
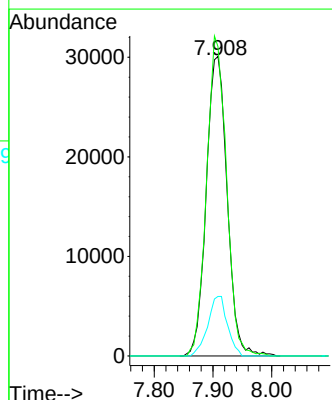
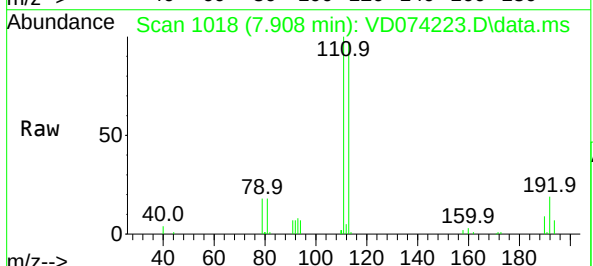
Tgt Ion:113 Resp: 74347

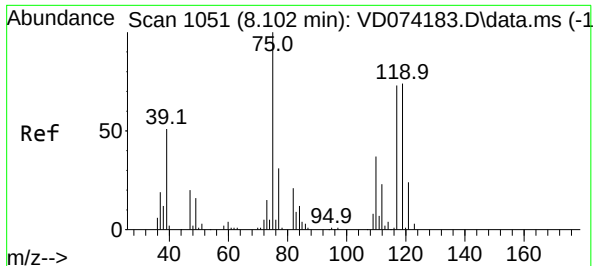
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD074223.D

Acq: 24 Aug 2022 15:07

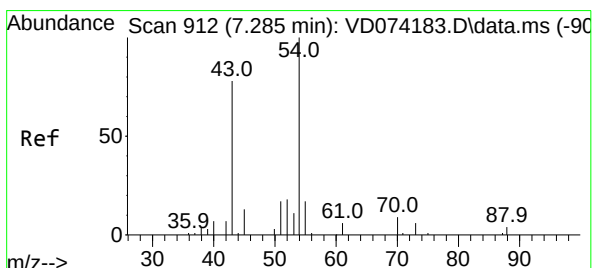
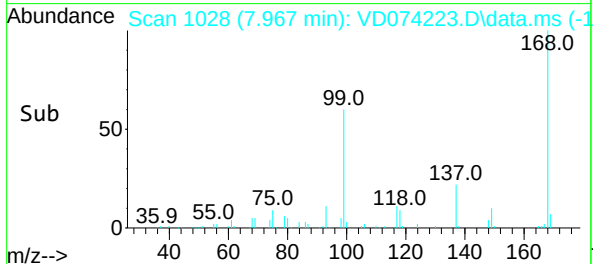
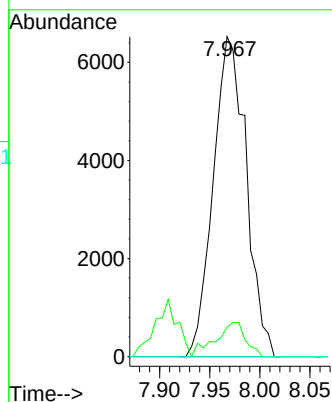
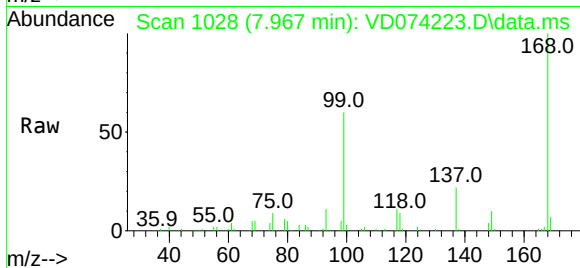
Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(16-22)

Tgt Ion:	75	Resp:	14915
Ion	Ratio	Lower	Upper
75	100		
110	9.8	16.4	49.1#
77	0.0	24.2	36.2#



#37

Ethyl Acetate

Concen: 2.342 ug/l

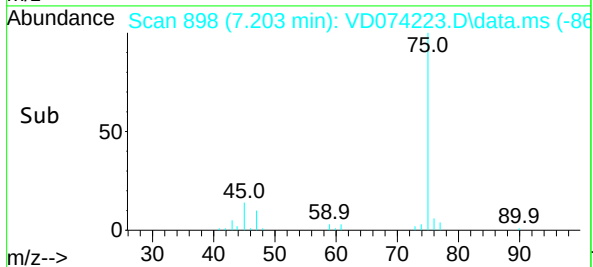
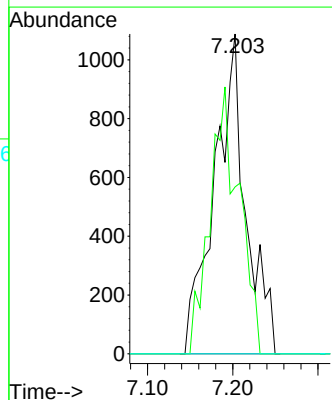
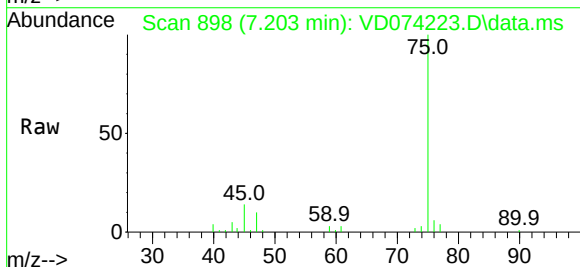
RT: 7.203 min Scan# 898

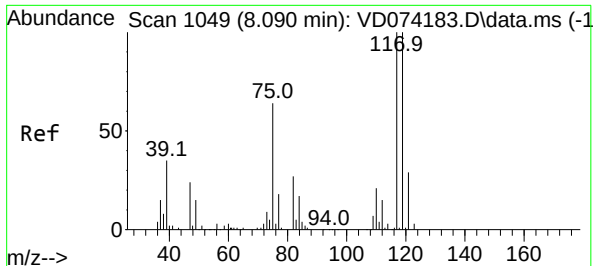
Delta R.T. -0.082 min

Lab File: VD074223.D

Acq: 24 Aug 2022 15:07

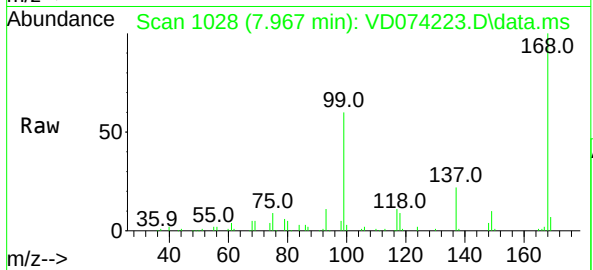
Tgt Ion:	43	Resp:	2814
Ion	Ratio	Lower	Upper
43	100		
61	77.1	9.8	14.8#
70	0.0	6.9	10.3#



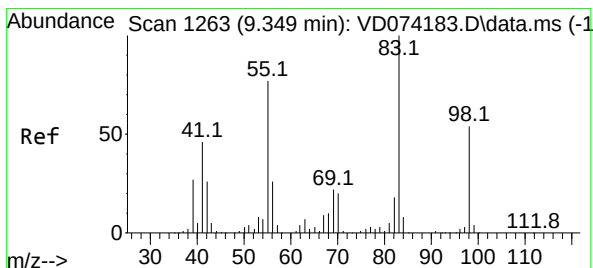
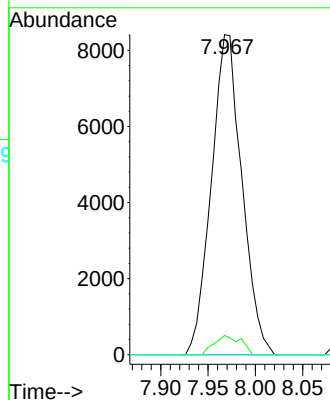
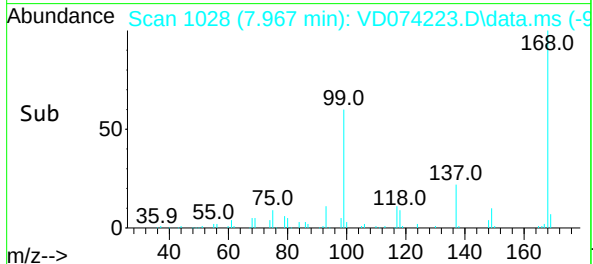


#38
Carbon Tetrachloride
Concen: 5.765 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

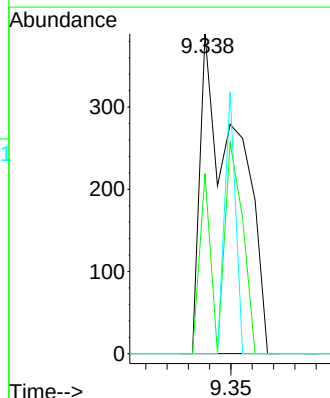
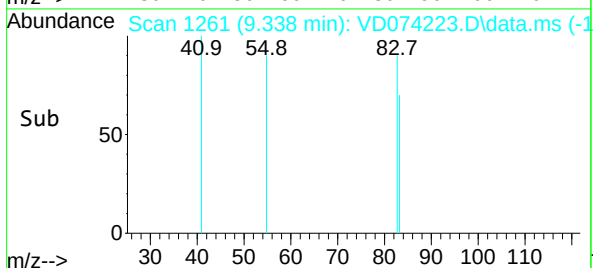
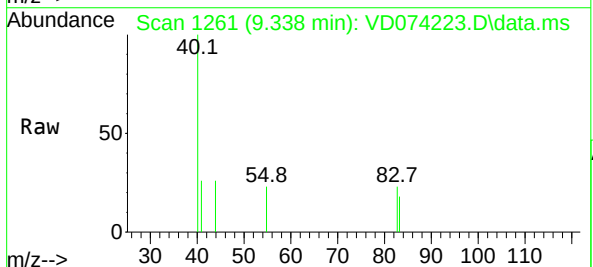


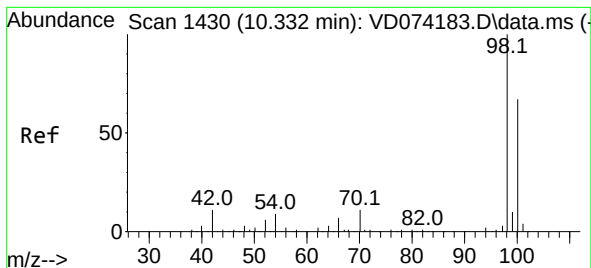
Tgt Ion:117 Resp: 18874
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.331 ug/l
RT: 9.338 min Scan# 1261
Delta R.T. -0.011 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 83 Resp: 466
Ion Ratio Lower Upper
83 100
55 56.3 63.2 94.8#
98 0.0 38.2 57.4#

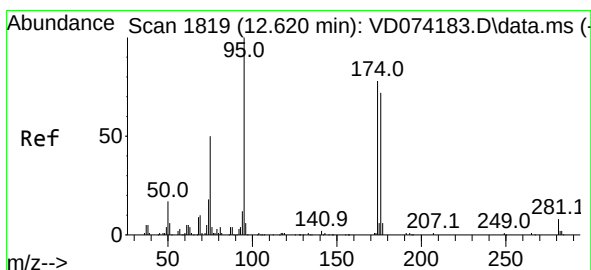
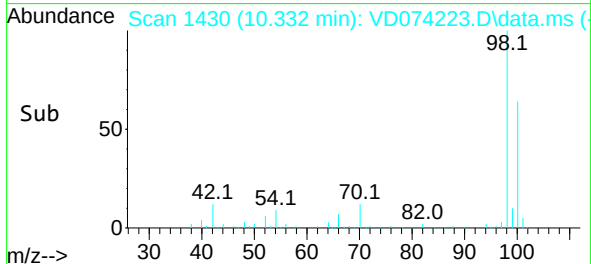
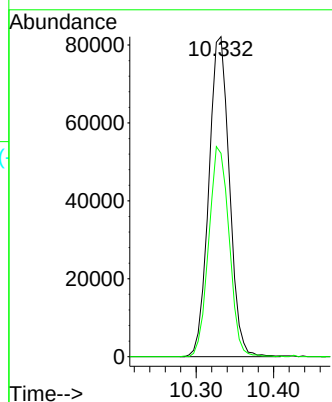
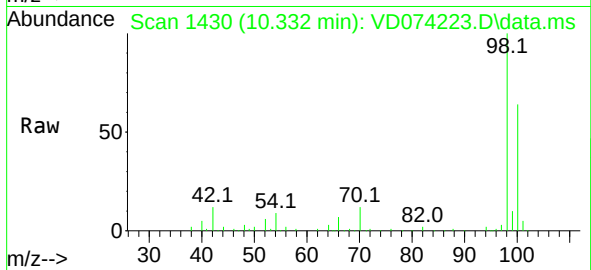




#50
Toluene-d8
Concen: 23.345 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

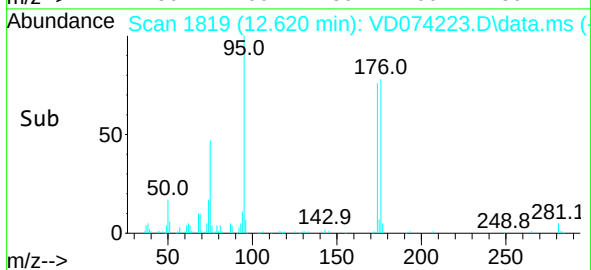
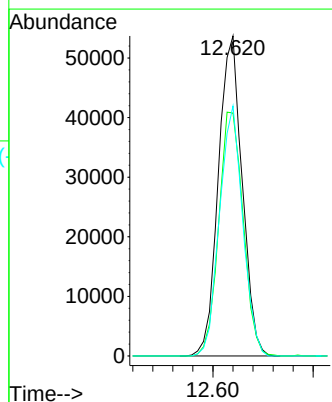
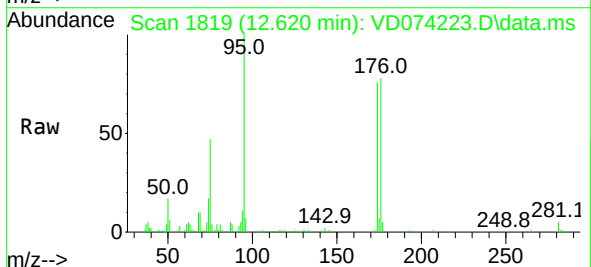
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

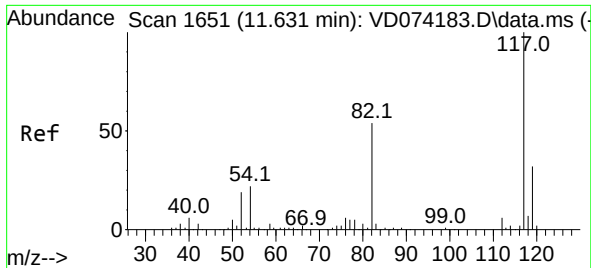
Tgt Ion: 98 Resp: 151508
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 34.405 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion: 95 Resp: 88211
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 76.3 0.0 145.4

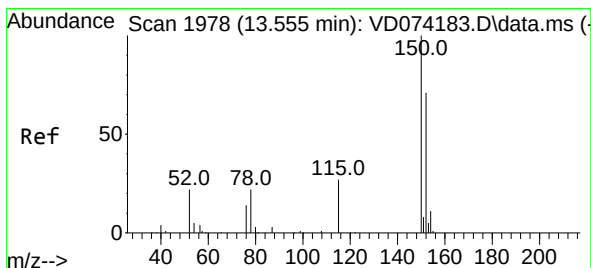
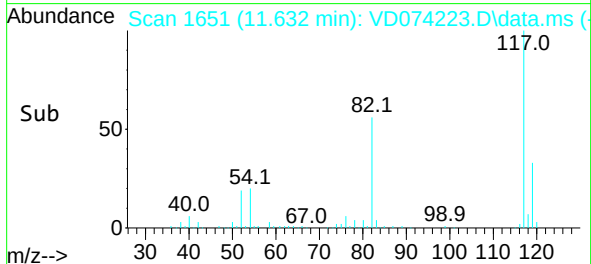
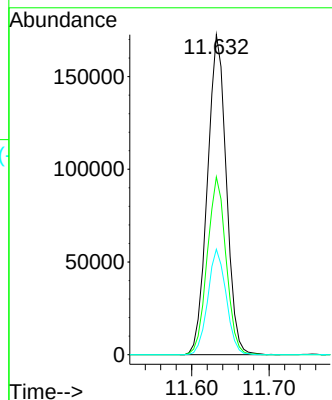
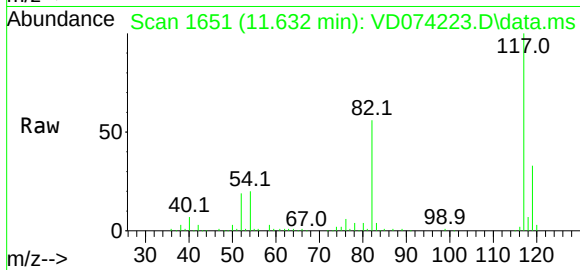




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. 0.001 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

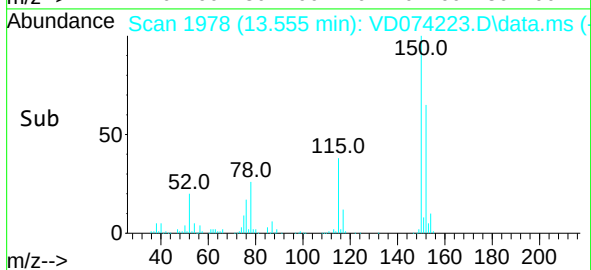
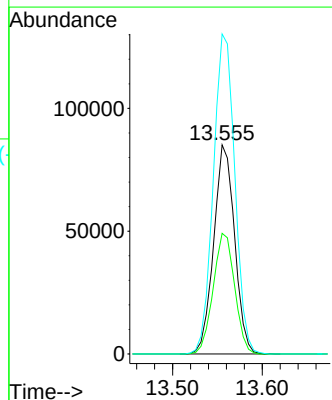
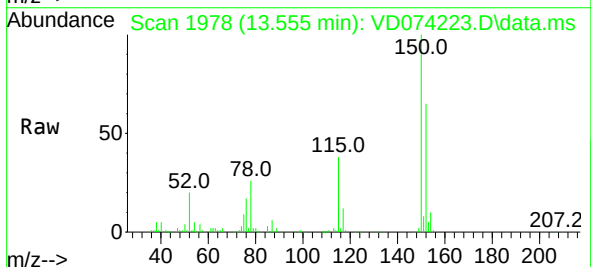
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

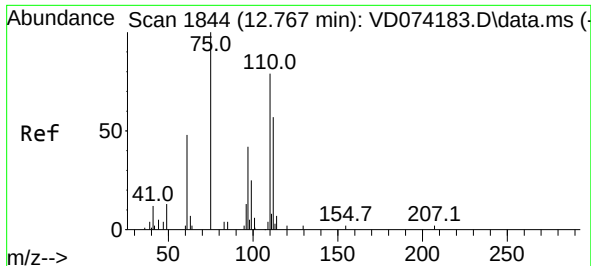
Tgt Ion:117 Resp: 292003
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 33.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. 0.000 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Tgt Ion:152 Resp: 137833
Ion Ratio Lower Upper
152 100
115 59.2 31.3 93.8
150 157.2 0.0 348.6

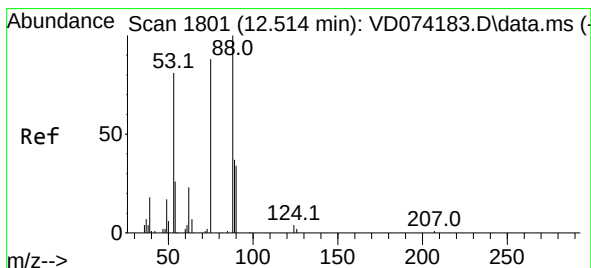
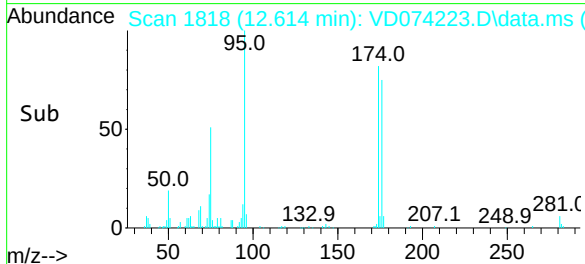
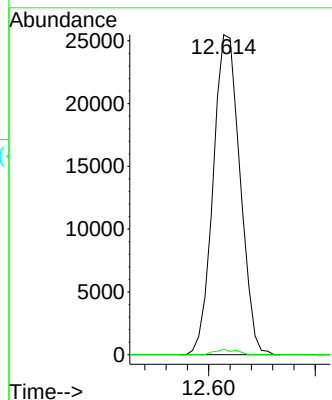
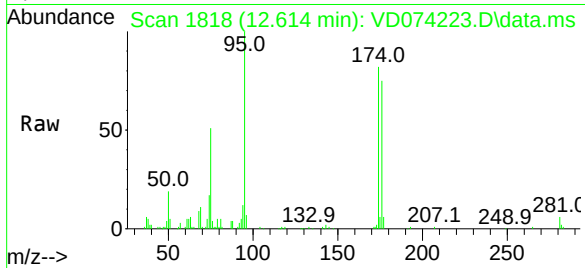




#76
1,2,3-Trichloropropane
Concen: 33.120 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.153 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

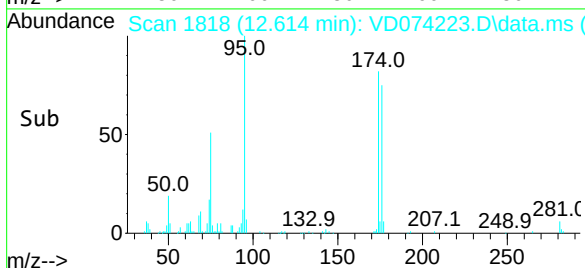
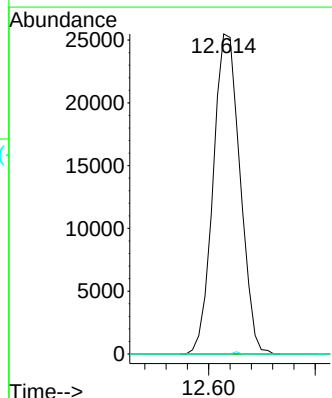
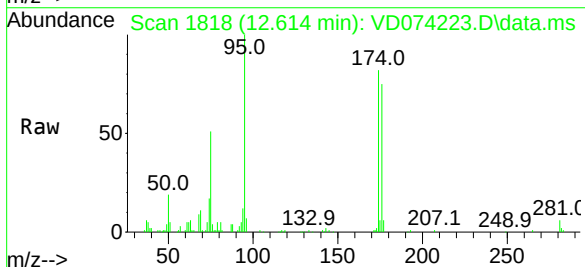
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)

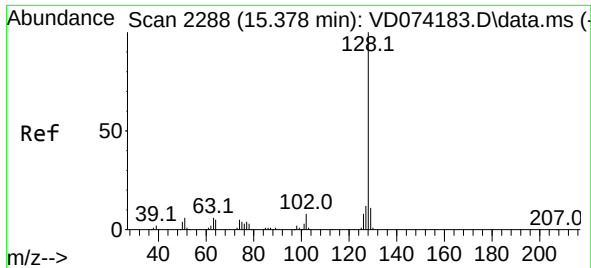
Tgt Ion: 75 Resp: 44574
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.173 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.100 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

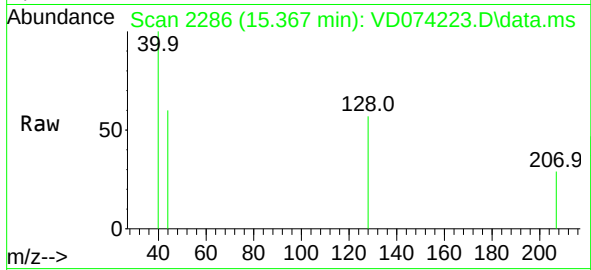
Tgt Ion: 75 Resp: 44574
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#95
Naphthalene
Concen: 3.533 ug/l
RT: 15.367 min Scan# 21
Delta R.T. -0.011 min
Lab File: VD074223.D
Acq: 24 Aug 2022 15:07

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(16-22)



Tgt Ion:128 Resp: 583
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

