

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091222\
 Data File : VD074257.D
 Acq On : 12 Sep 2022 16:16
 Operator : VA/SY
 Sample : N4453-02
 Misc : 3.88G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-5-(5-10)

Quant Time: Sep 13 04:42:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

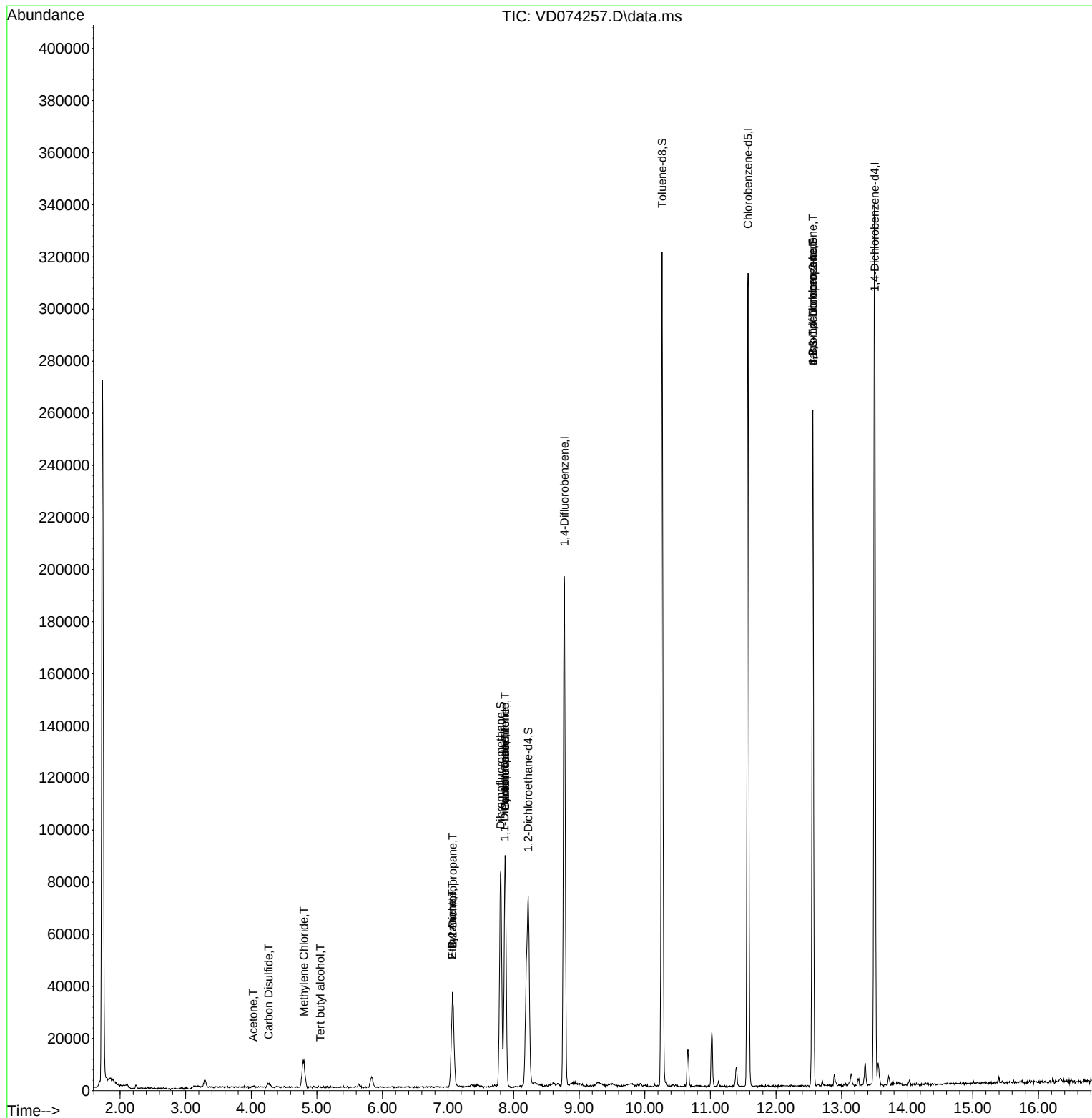
Internal Standards						
1) Pentafluorobenzene	7.869	168	69789	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	175770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	184446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	93472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	45923	64.543	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.080%	
35) Dibromofluoromethane	7.799	113	59484	50.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.263	98	222581	51.659	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.320%	
62) 4-Bromofluorobenzene	12.563	95	80922	54.383	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.760%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	644	Below Cal	96	
11) Tert butyl alcohol	5.052	59	171	2.947 ug/l	#	74
16) Acetone	4.028	43	1007	6.857 ug/l	#	42
17) Carbon Disulfide	4.264	76	3322	1.500 ug/l	#	75
20) Methylene Chloride	4.805	84	8192	3.513 ug/l		95
25) 2-Butanone	7.063	43	1927	7.867 ug/l	#	48
26) 2,2-Dichloropropane	7.069	77	2652	1.943 ug/l	#	53
31) Cyclohexane	7.869	56	1497	1.018 ug/l	#	1
36) 1,1-Dichloropropene	7.863	75	5460	2.870 ug/l	#	47
37) Ethyl Acetate	7.063	43	1927	2.336 ug/l	#	1
38) Carbon Tetrachloride	7.869	117	6564	3.813 ug/l	#	11
76) 1,2,3-Trichloropropane	12.563	75	41871	43.696 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.563	75	41871	107.736 ug/l	#	100

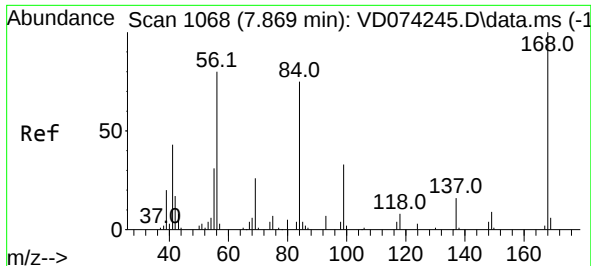
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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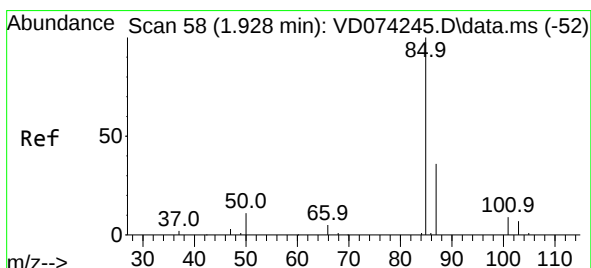
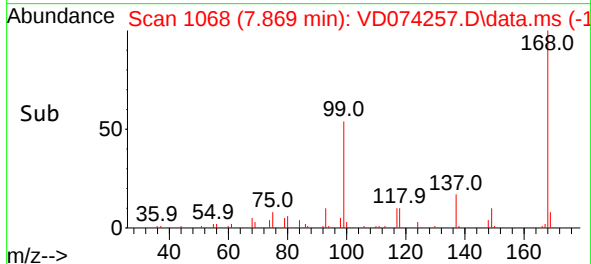
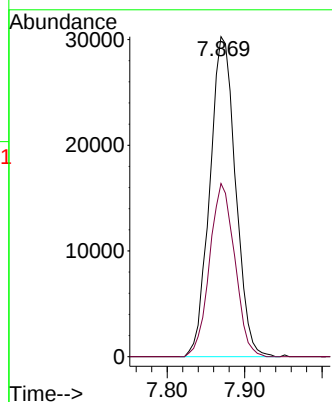
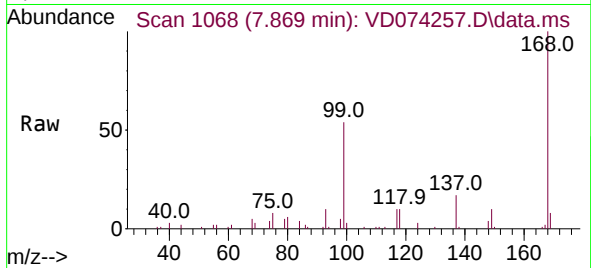




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

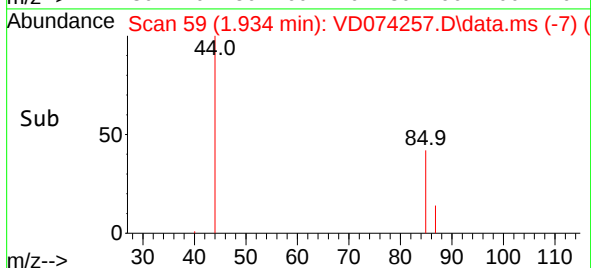
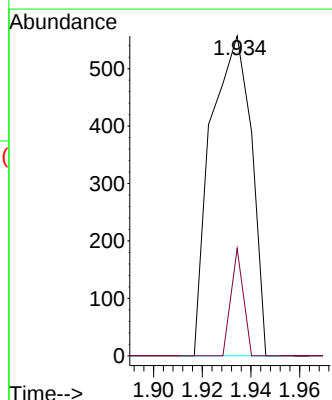
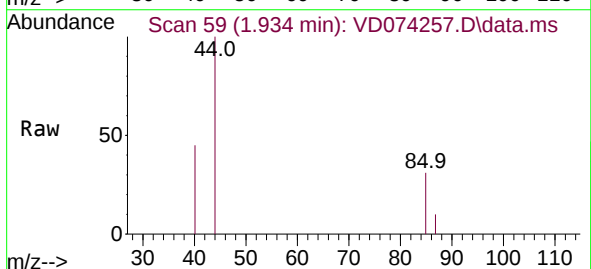
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-5-(5-10)

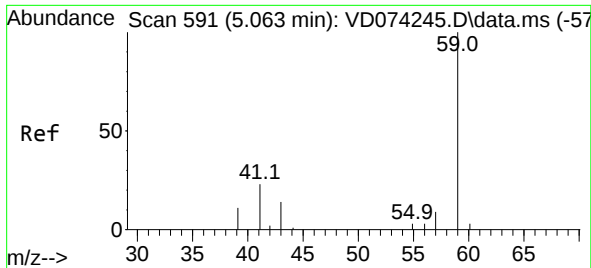
Tgt Ion:168 Resp: 69789
Ion Ratio Lower Upper
168 100
99 54.1 43.0 64.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.006 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 85 Resp: 644
Ion Ratio Lower Upper
85 100
87 33.6 17.9 53.7

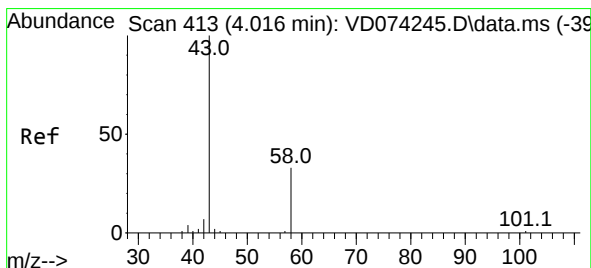
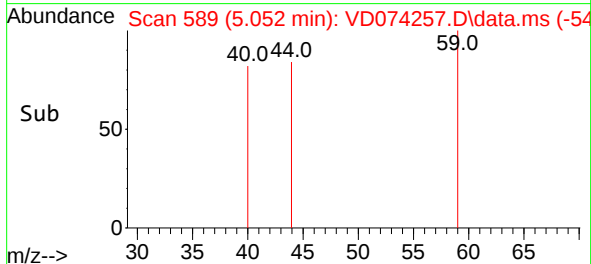
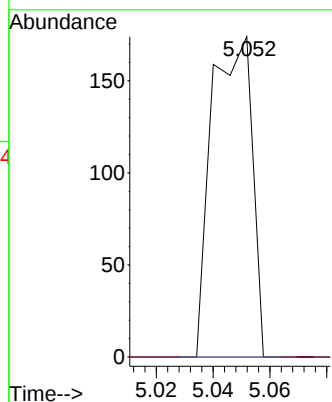
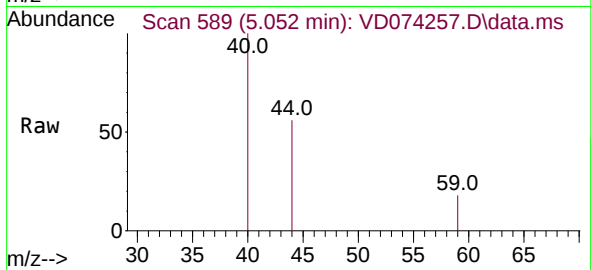




#11
Tert butyl alcohol
Concen: 2.947 ug/l
RT: 5.052 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

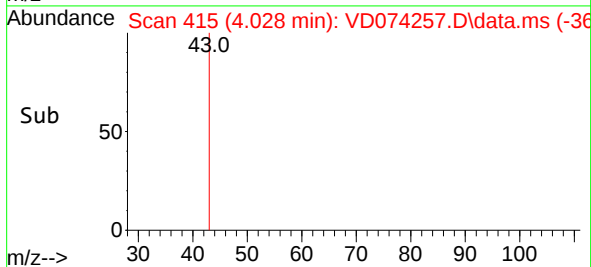
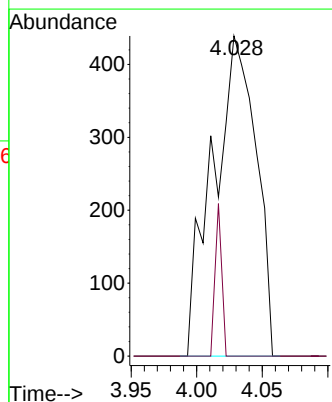
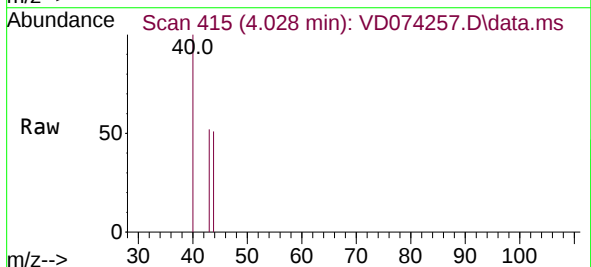
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-5-(5-10)

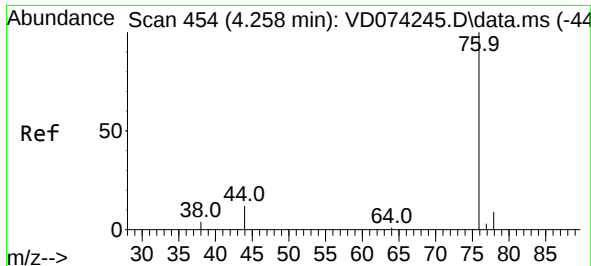
Tgt Ion: 59 Resp: 171
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#16
Acetone
Concen: 6.857 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#

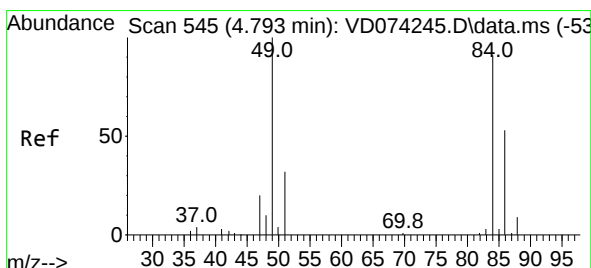
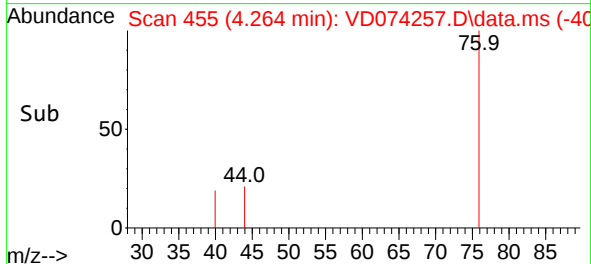
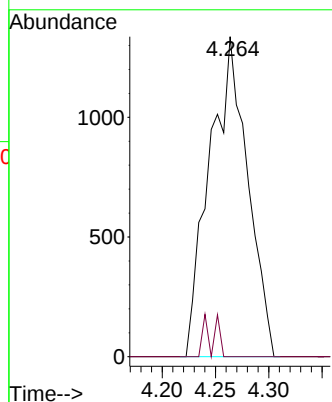
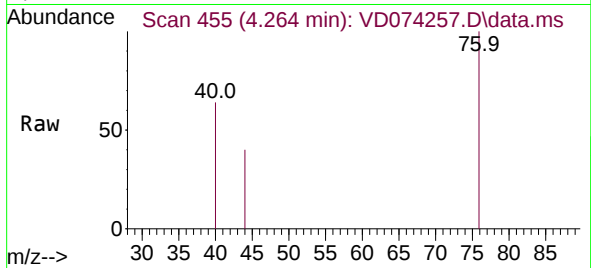




#17
Carbon Disulfide
Concen: 1.500 ug/l
RT: 4.264 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

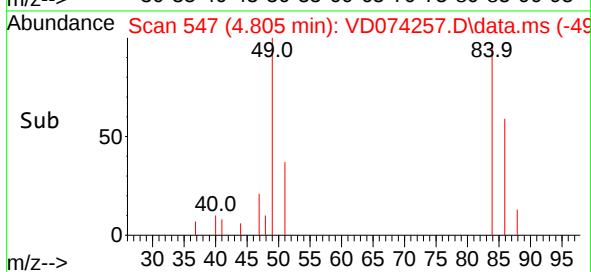
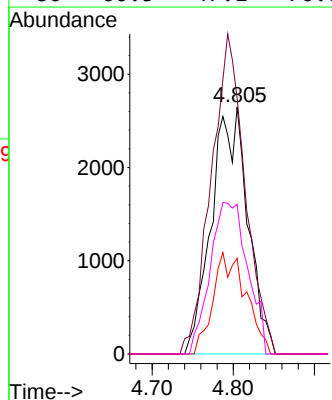
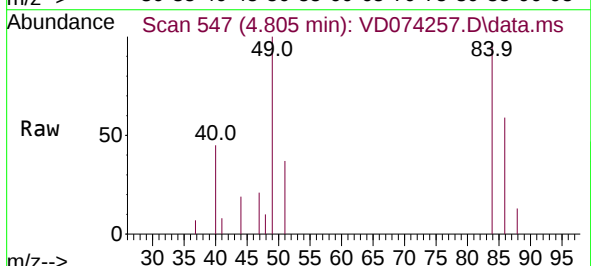
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-5-(5-10)

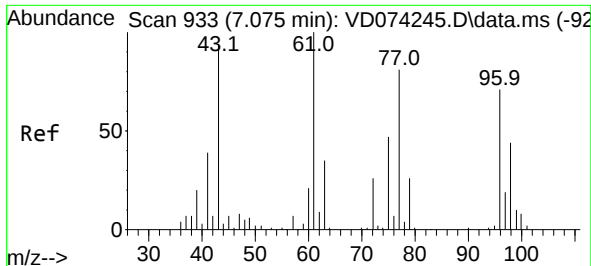
Tgt Ion: 76 Resp: 3322
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 3.513 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.012 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 84 Resp: 8192
Ion Ratio Lower Upper
84 100
49 103.4 88.4 132.6
51 38.6 28.0 42.0
86 60.5 47.1 70.7





#25

2-Butanone

Concen: 7.867 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

Instrument :

MSVOA_D

ClientSampleId :

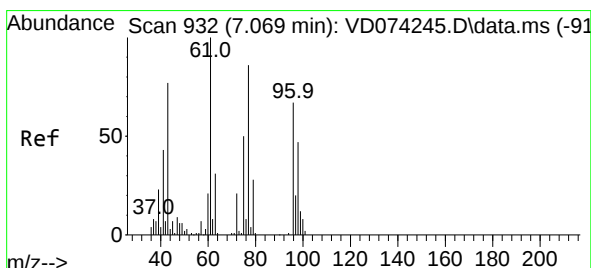
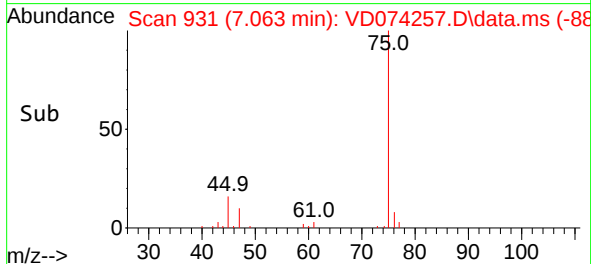
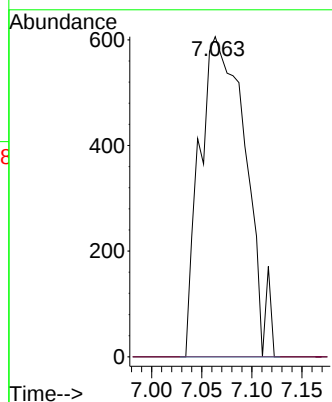
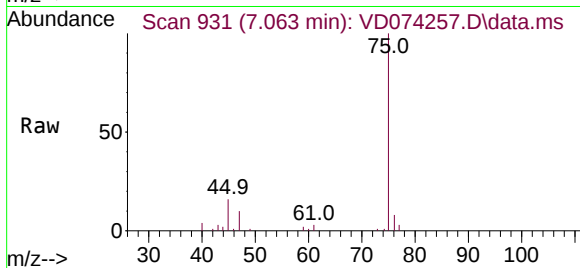
SASP2-T-5-(5-10)

Tgt Ion: 43 Resp: 1927

Ion Ratio Lower Upper

43 100

72 0.0 21.8 32.6#



#26

2,2-Dichloropropane

Concen: 1.943 ug/l

RT: 7.069 min Scan# 932

Delta R.T. 0.000 min

Lab File: VD074257.D

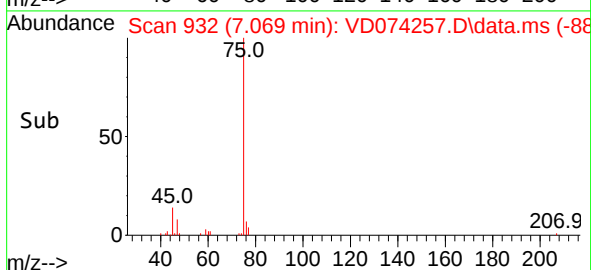
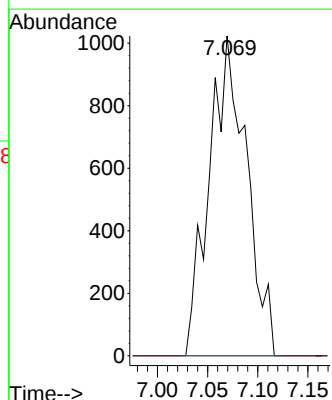
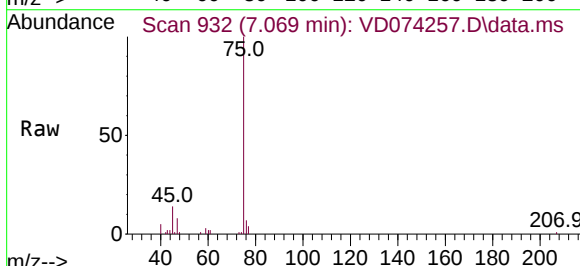
Acq: 12 Sep 2022 16:16

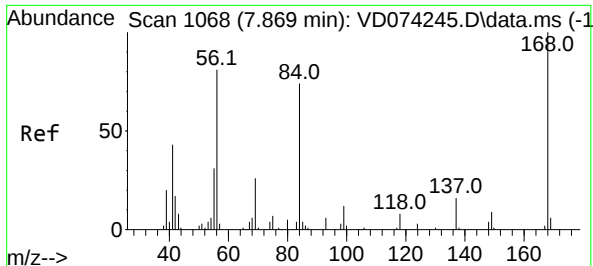
Tgt Ion: 77 Resp: 2652

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#

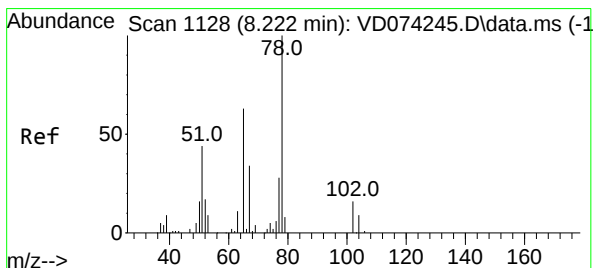
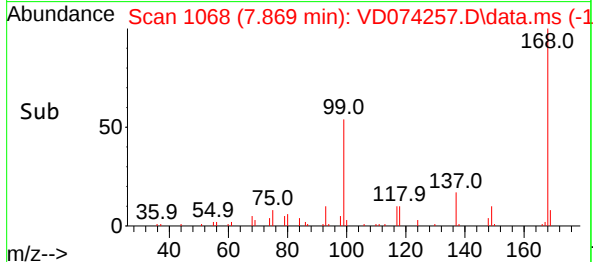
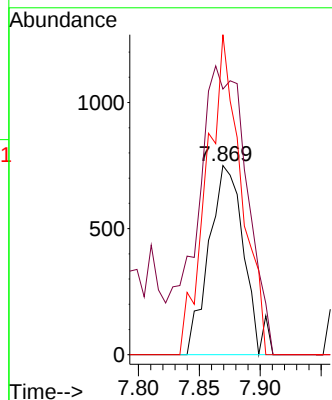
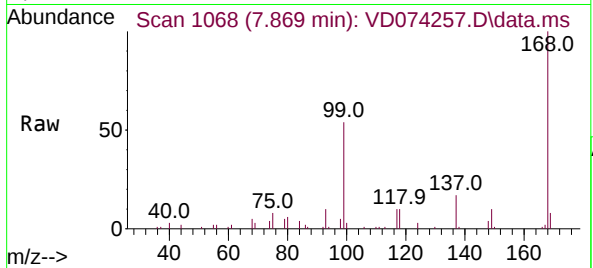




#31
Cyclohexane
Concen: 1.018 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

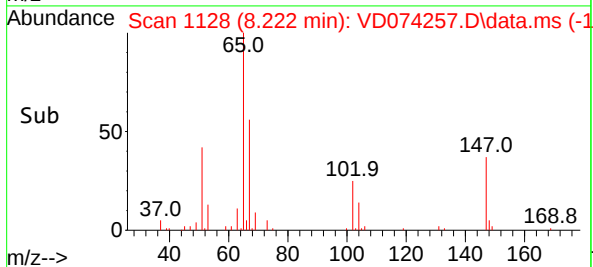
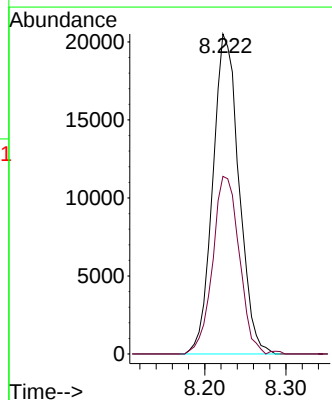
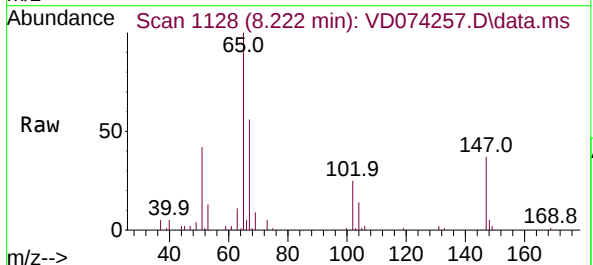
Instrument :
MSVOA_D
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SASP2-T-5-(5-10)

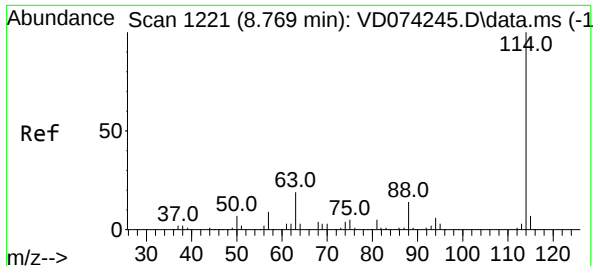
Tgt Ion: 56 Resp: 1497
Ion Ratio Lower Upper
56 100
69 140.4 25.7 38.5#
84 169.2 73.9 110.9#



#33
1,2-Dichloroethane-d4
Concen: 64.543 ug/l
RT: 8.222 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 65 Resp: 45923
Ion Ratio Lower Upper
65 100
67 56.3 0.0 110.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-5-(5-10)

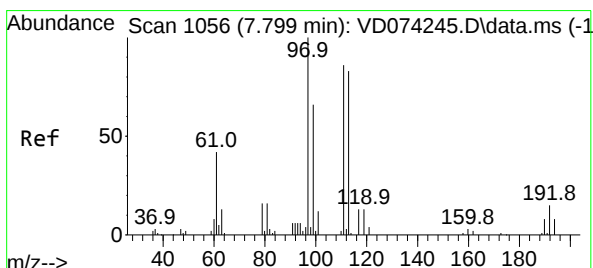
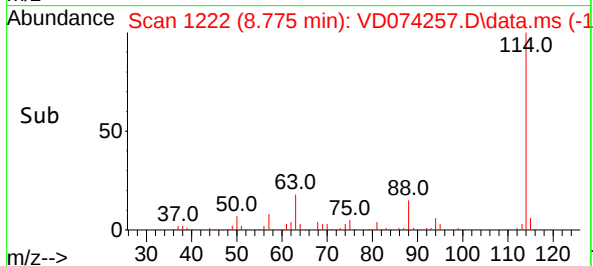
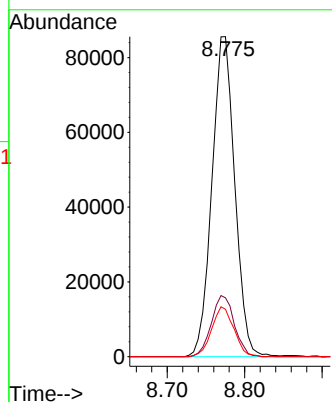
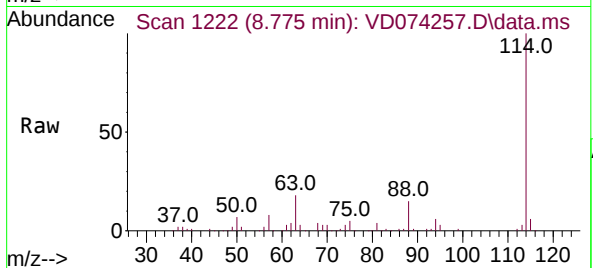
Tgt Ion:114 Resp: 175770

Ion Ratio Lower Upper

114 100

63 18.4 0.0 37.6

88 14.8 0.0 28.4



#35

Dibromofluoromethane

Concen: 50.610 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

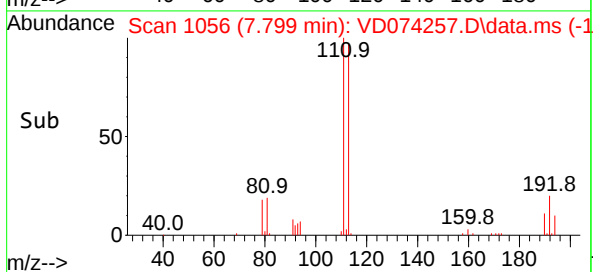
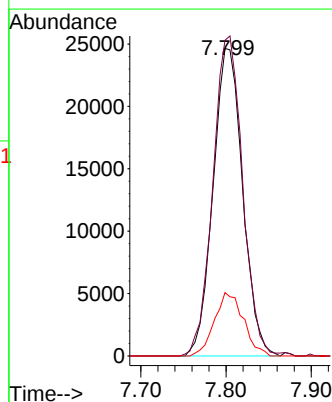
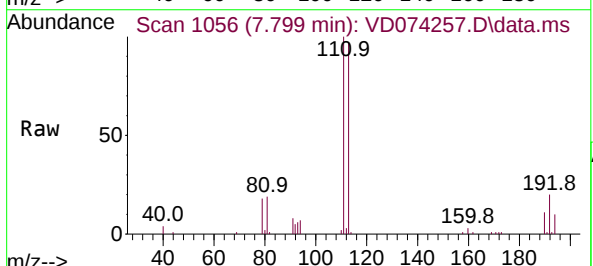
Tgt Ion:113 Resp: 59484

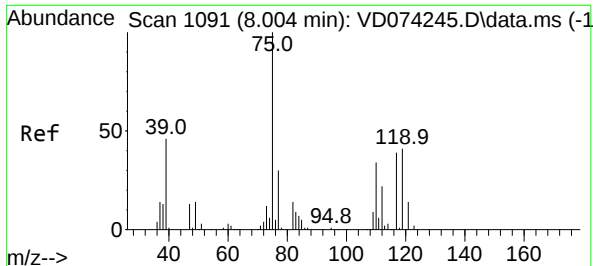
Ion Ratio Lower Upper

113 100

111 104.6 83.0 124.6

192 20.2 16.2 24.2





#36

1,1-Dichloropropene

Concen: 2.870 ug/l

RT: 7.863 min Scan# 1091

Delta R.T. -0.141 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

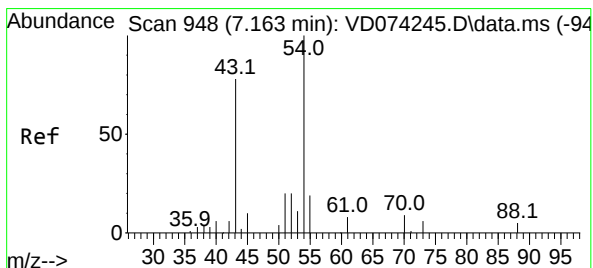
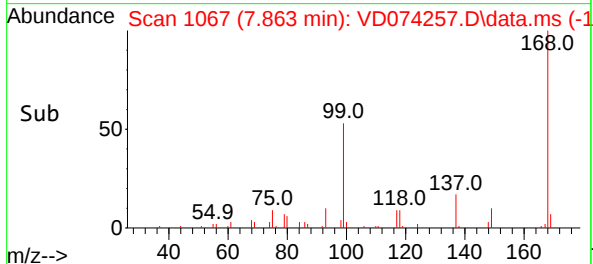
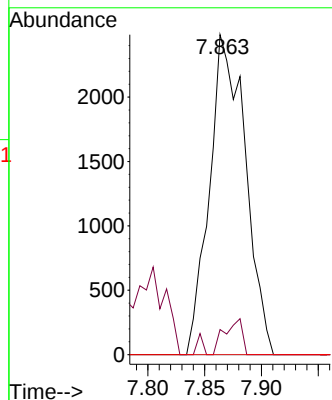
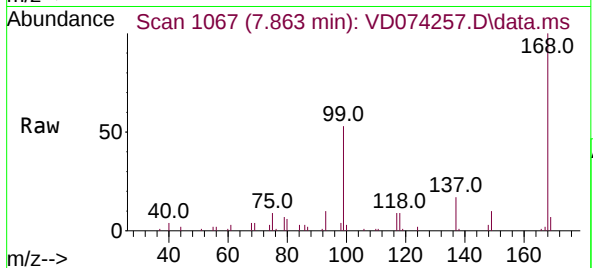
Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-5-(5-10)

Tgt Ion: 75	Resp: 5460
Ion Ratio	Lower Upper
75 100	
110 5.6	17.5 52.5#
77 0.0	24.8 37.2#



#37

Ethyl Acetate

Concen: 2.336 ug/l

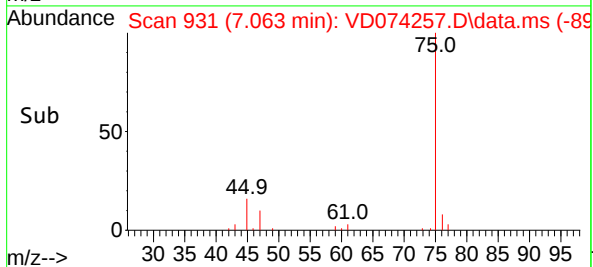
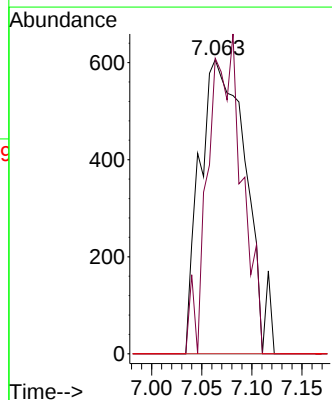
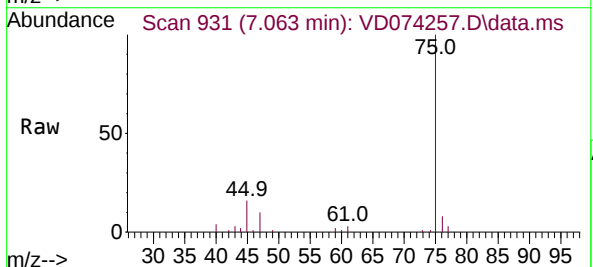
RT: 7.063 min Scan# 931

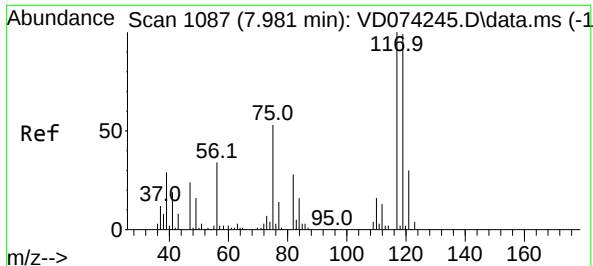
Delta R.T. -0.100 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

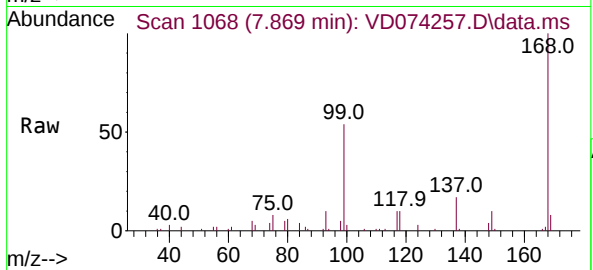
Tgt Ion: 43	Resp: 1927
Ion Ratio	Lower Upper
43 100	
61 79.8	12.1 18.1#
70 0.0	8.5 12.7#



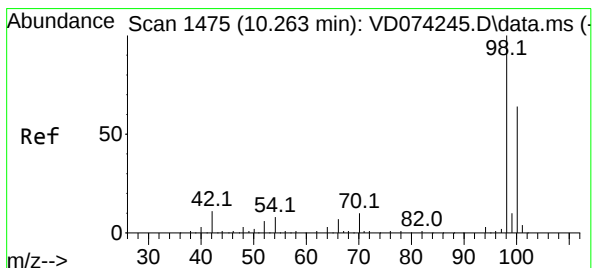
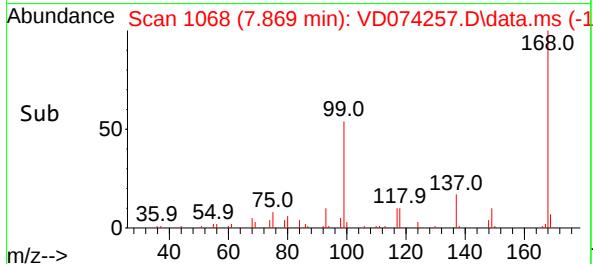
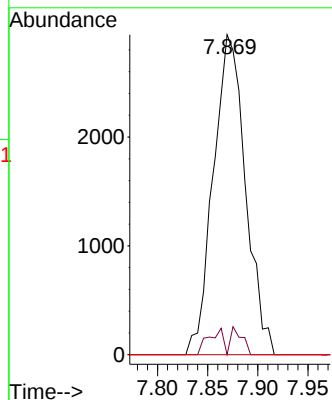


#38
Carbon Tetrachloride
Concen: 3.813 ug/l
RT: 7.869 min Scan# 1087
Delta R.T. -0.112 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-5-(5-10)

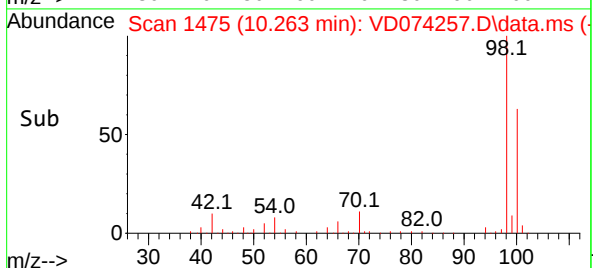
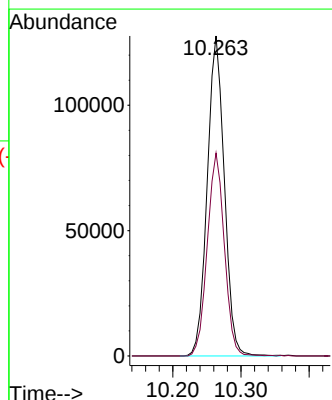
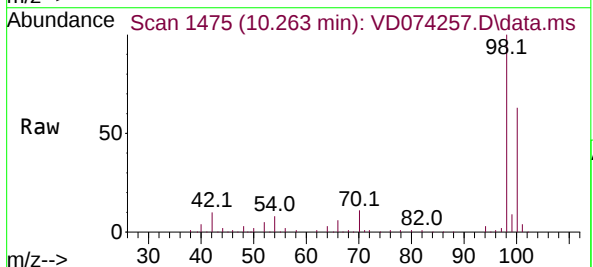


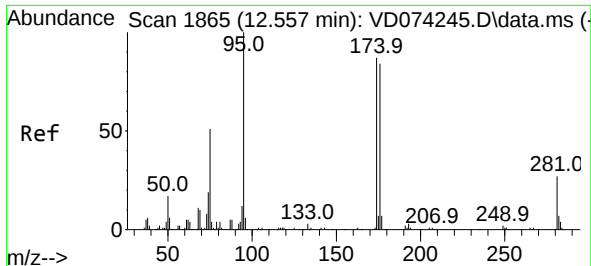
Tgt Ion:117 Resp: 6564
Ion Ratio Lower Upper
117 100
119 0.0 78.8 118.2#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 51.659 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 98 Resp: 222581
Ion Ratio Lower Upper
98 100
100 63.3 51.8 77.8

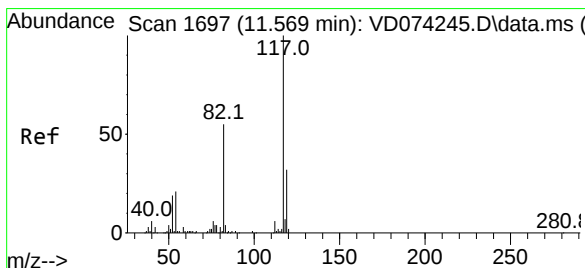
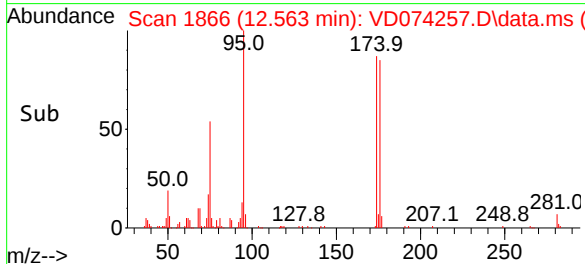
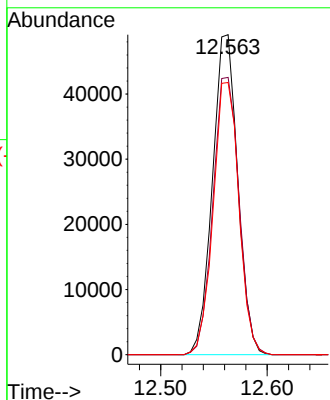
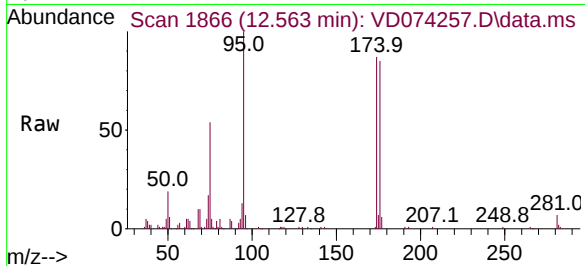




#62
4-Bromofluorobenzene
Concen: 54.383 ug/l
RT: 12.563 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

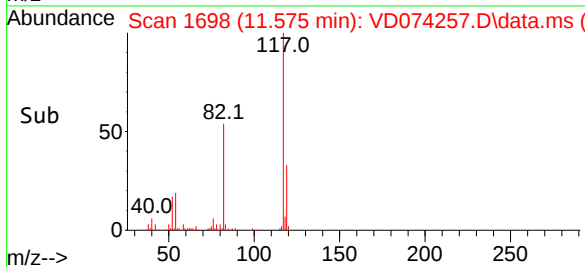
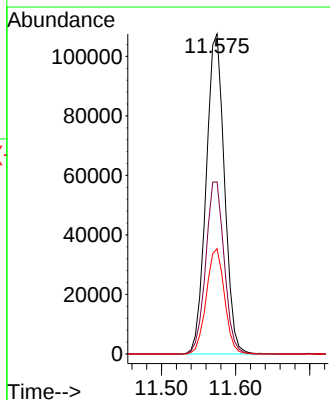
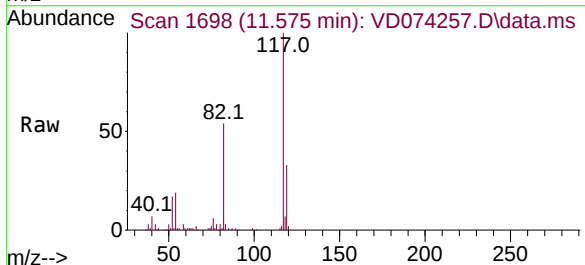
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-5-(5-10)

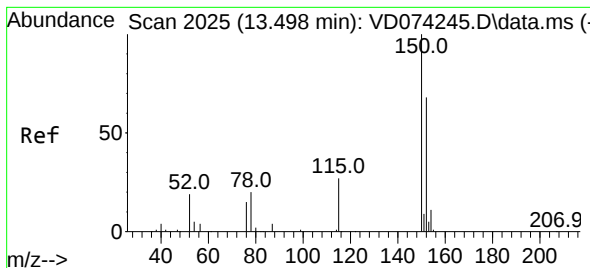
Tgt Ion: 95 Resp: 80922
Ion Ratio Lower Upper
95 100
174 89.5 0.0 179.2
176 86.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. 0.006 min
Lab File: VD074257.D
Acq: 12 Sep 2022 16:16

Tgt Ion: 117 Resp: 184446
Ion Ratio Lower Upper
117 100
82 53.8 44.2 66.2
119 32.9 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.504 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD074257.D

Acq: 12 Sep 2022 16:16

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-5-(5-10)

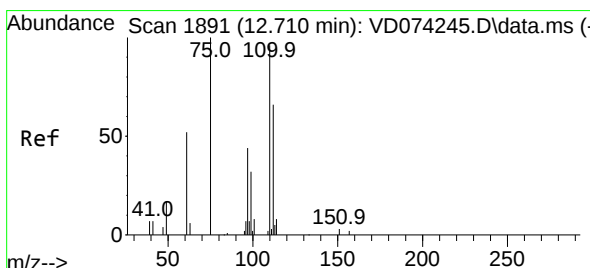
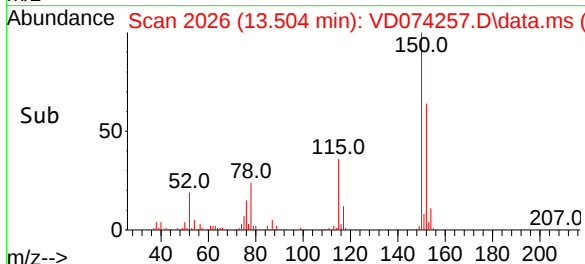
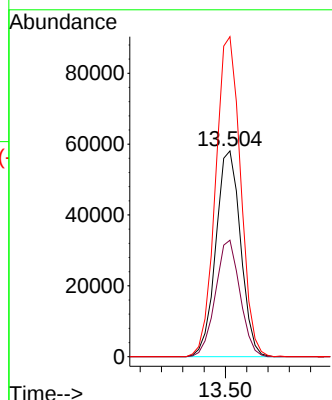
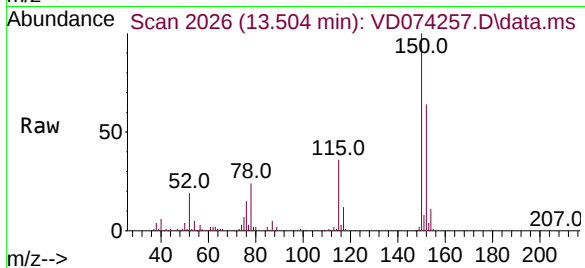
Tgt Ion:152 Resp: 93472

Ion Ratio Lower Upper

152 100

115 56.1 28.4 85.2

150 157.1 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 43.696 ug/l

RT: 12.563 min Scan# 1866

Delta R.T. -0.147 min

Lab File: VD074257.D

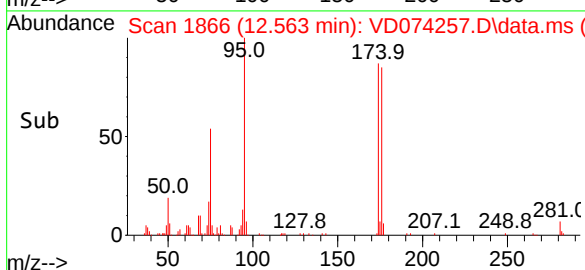
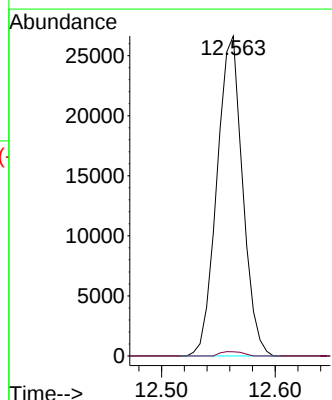
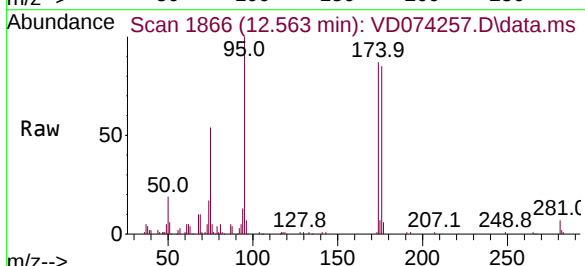
Acq: 12 Sep 2022 16:16

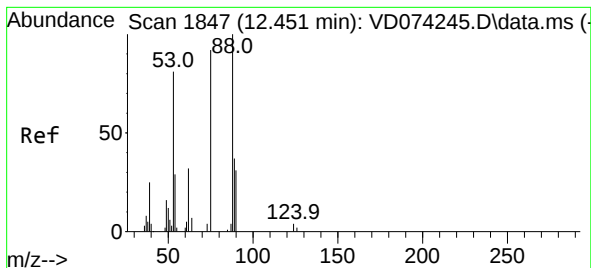
Tgt Ion: 75 Resp: 41871

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 107.736 ug/l

RT: 12.563 min Scan# 11

Delta R.T. 0.112 min

Lab File: VD074257.D

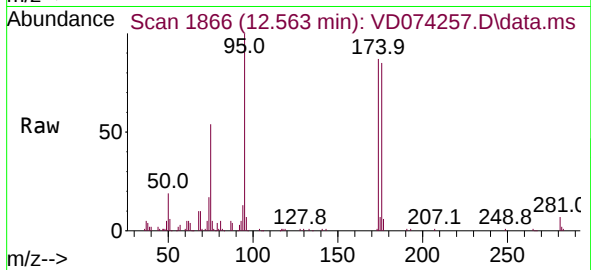
Acq: 12 Sep 2022 16:16

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-5-(5-10)



Tgt Ion: 75 Resp: 41871

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

