

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077394.D
 Acq On : 24 Oct 2023 15:00
 Operator : JC/SY
 Sample : 05011-01
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:05:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

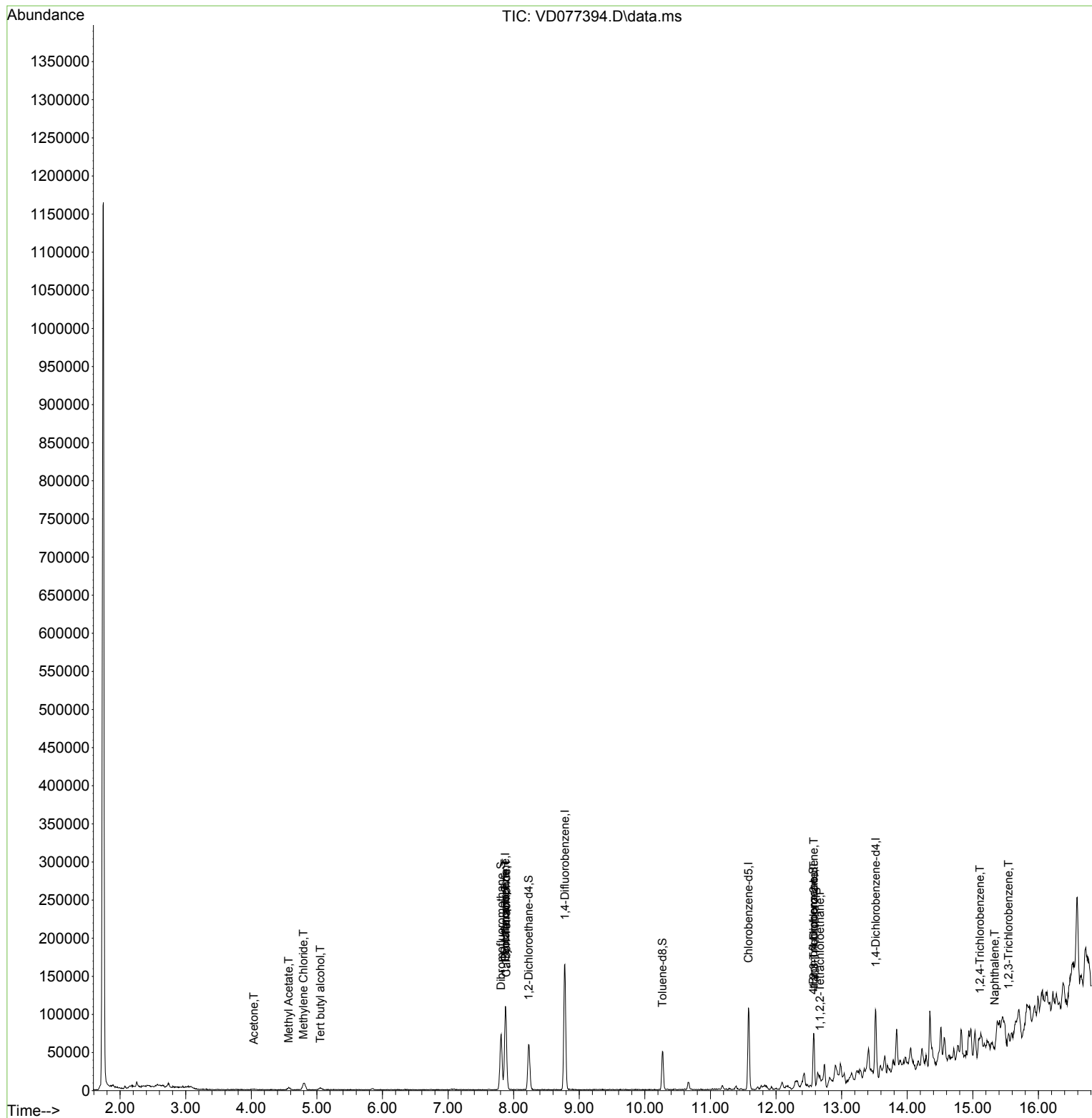
Internal Standards						
1) Pentafluorobenzene	7.875	168	85654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	160205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	68151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	24952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	46761	61.138	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.280%			
35) Dibromofluoromethane	7.810	113	53374	47.422	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 94.840%			
50) Toluene-d8	10.269	98	37475	9.297	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 18.600%#			
62) 4-Bromofluorobenzene	12.569	95	18908	16.296	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 32.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.051	59	4308	100.128	ug/l #	77
16) Acetone	4.040	43	1436	8.562	ug/l #	78
18) Methyl Acetate	4.569	43	4776	8.182	ug/l #	88
20) Methylene Chloride	4.793	84	7784	3.203	ug/l #	75
31) Cyclohexane	7.875	56	1846	1.551	ug/l #	71
36) 1,1-Dichloropropene	7.869	75	6227	4.211	ug/l #	46
38) Carbon Tetrachloride	7.887	117	8227	5.001	ug/l #	16
75) 1,1,2,2-Tetrachloroethane	12.669	83	667	2.224	ug/l #	34
76) 1,2,3-Trichloropropane	12.575	75	8657	26.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	8657	92.966	ug/l #	19
93) 1,2,4-Trichlorobenzene	15.110	180	485	1.011	ug/l #	11
95) Naphthalene	15.333	128	2272	2.804	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.545	180	694	1.666	ug/l #	41

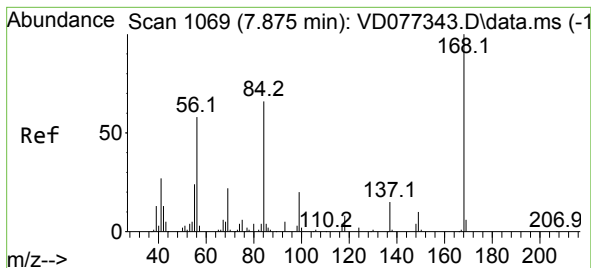
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

Instrument :

MSVOA_D

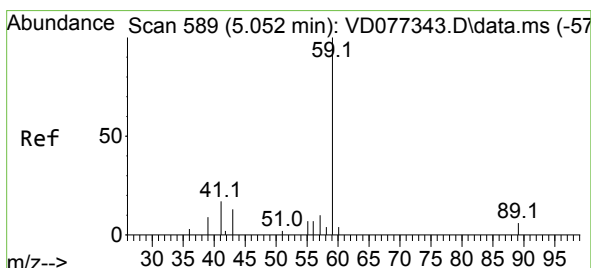
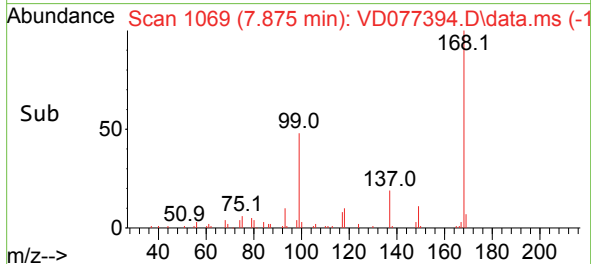
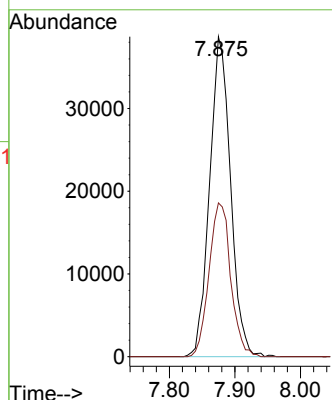
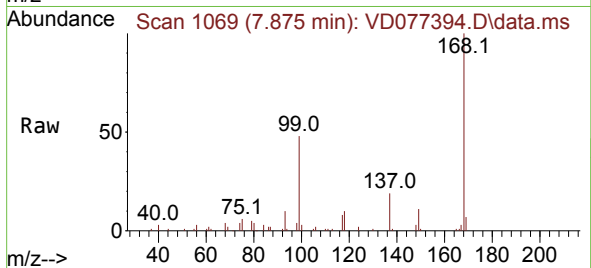
ClientSampleId :

Tgt Ion:168 Resp: 85654

Ion Ratio Lower Upper

168 100

99 48.0 36.7 55.1



#11

Tert butyl alcohol

Concen: 100.128 ug/l

RT: 5.051 min Scan# 589

Delta R.T. -0.000 min

Lab File: VD077394.D

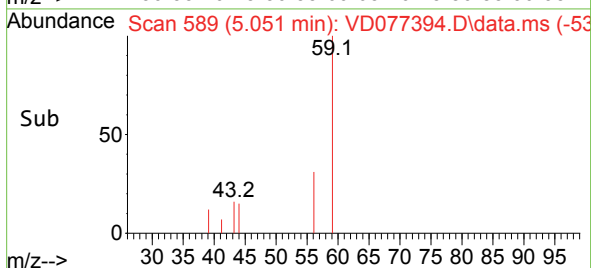
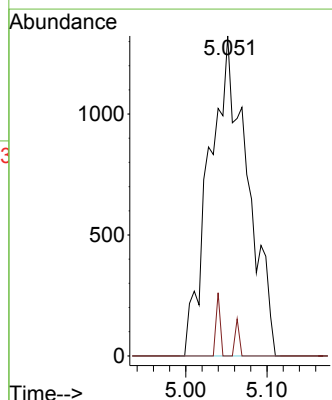
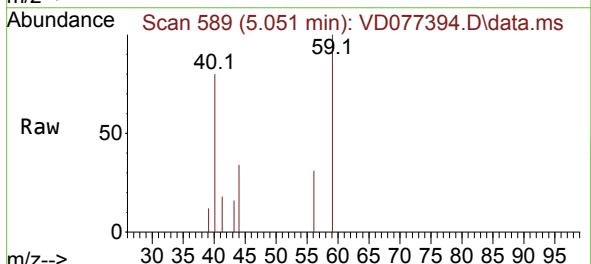
Acq: 24 Oct 2023 15:00

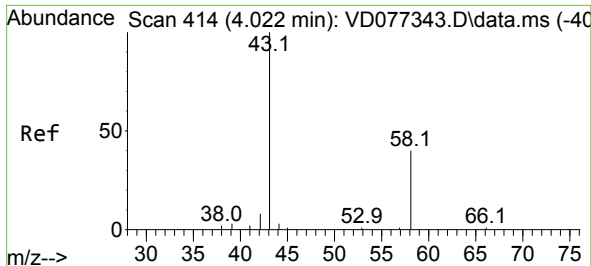
Tgt Ion: 59 Resp: 4308

Ion Ratio Lower Upper

59 100

57 1.3 7.8 11.8#

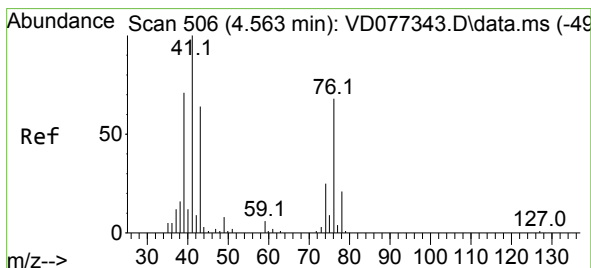
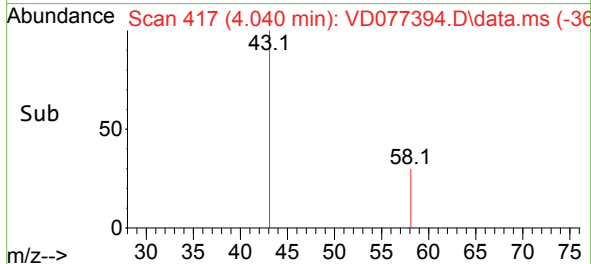
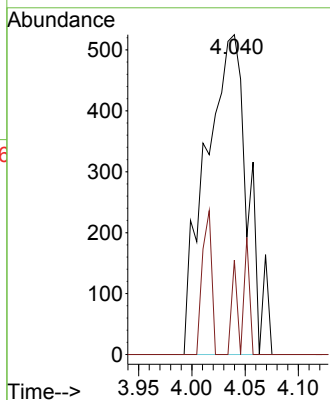
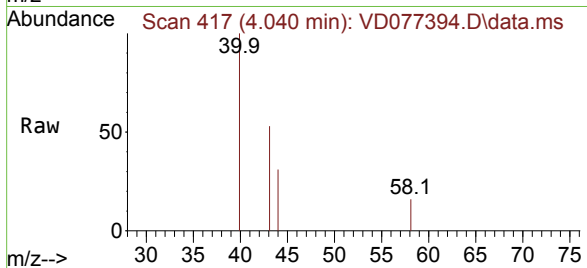




#16
Acetone
Concen: 8.562 ug/l
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

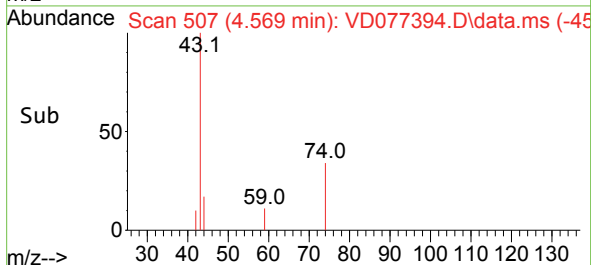
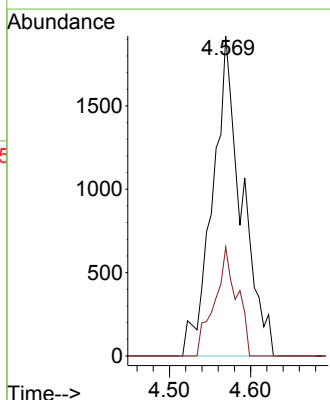
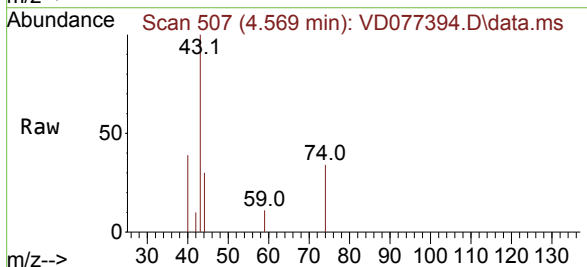
Instrument :
MSVOA_D
ClientSampleId :

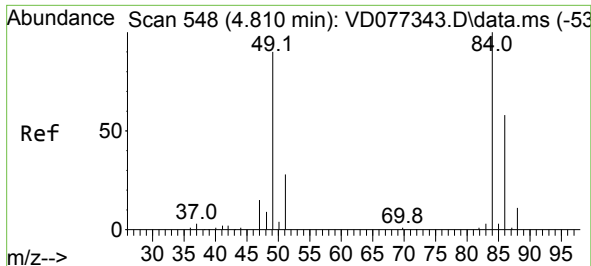
Tgt Ion: 43 Resp: 1436
Ion Ratio Lower Upper
43 100
58 29.5 34.7 52.1#



#18
Methyl Acetate
Concen: 8.182 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

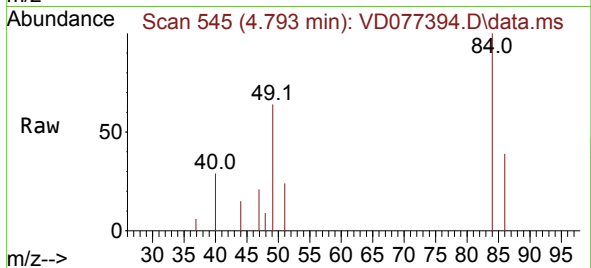
Tgt Ion: 43 Resp: 4776
Ion Ratio Lower Upper
43 100
74 26.2 26.4 39.6#



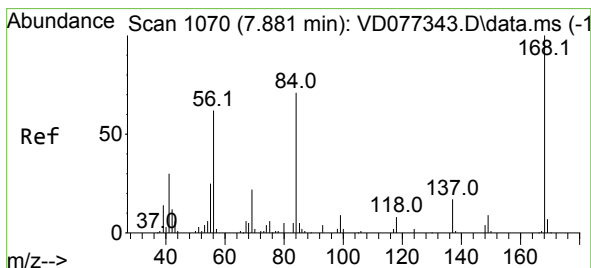
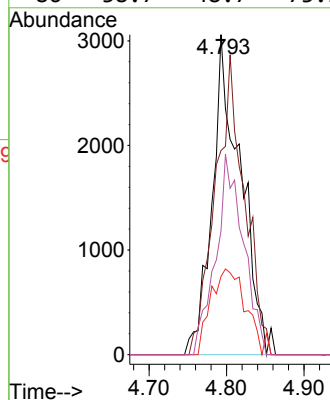


#20
Methylene Chloride
Concen: 3.203 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.017 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

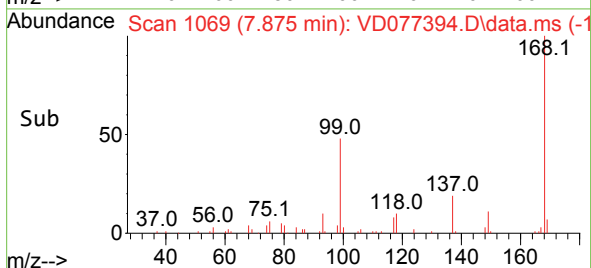
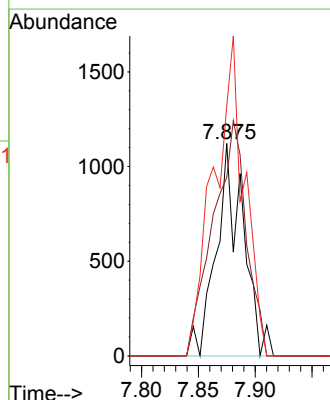
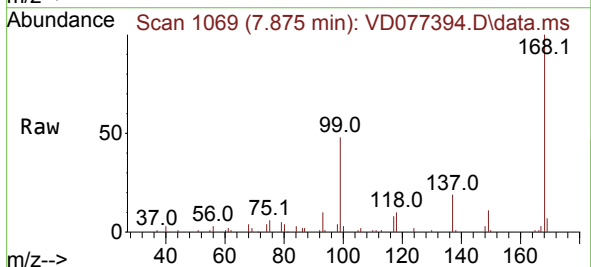


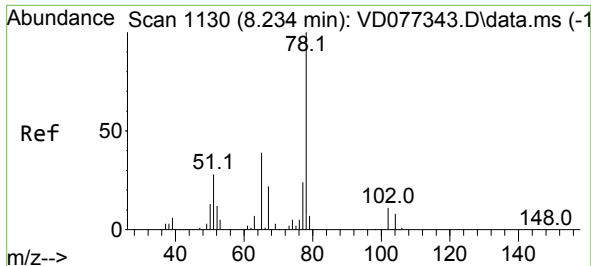
Tgt Ion: 84	Resp: 7784
Ion Ratio	Lower Upper
84 100	
49 63.8	71.4 107.2#
51 24.5	24.5 36.7#
86 38.7	48.7 73.1#



#31
Cyclohexane
Concen: 1.551 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Tgt Ion: 56	Resp: 1846		
Ion Ratio	Lower	Upper	
56	100		
69	84.0	28.6	43.0#
84	117.6	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 61.138 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

Instrument :

MSVOA_D

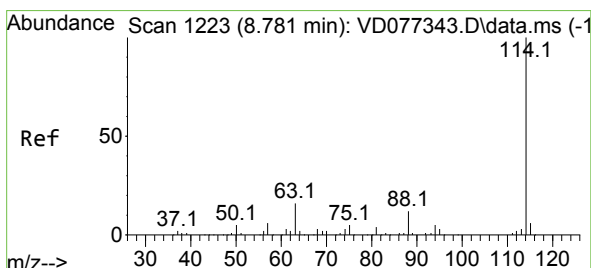
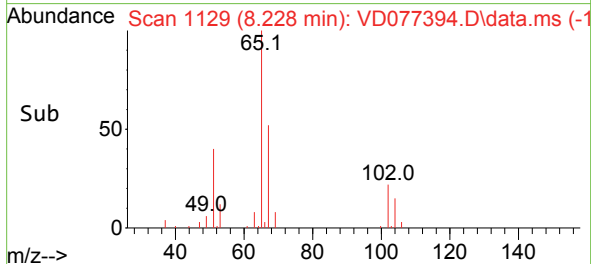
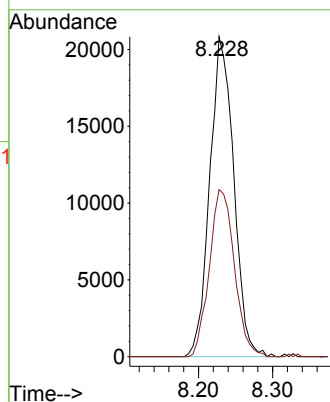
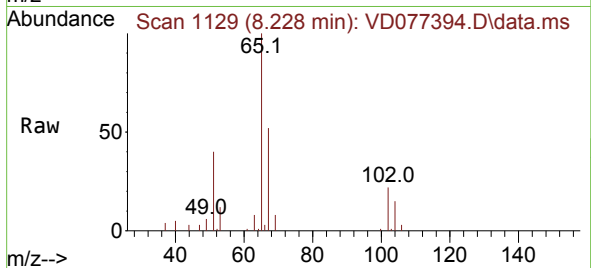
ClientSampleId :

Tgt Ion: 65 Resp: 46761

Ion Ratio Lower Upper

65 100

67 54.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

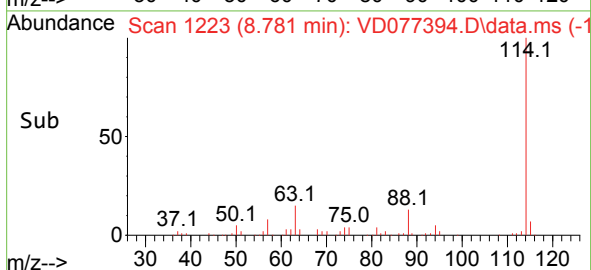
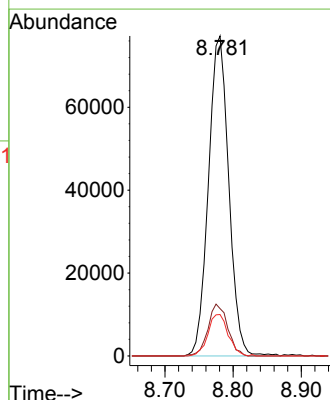
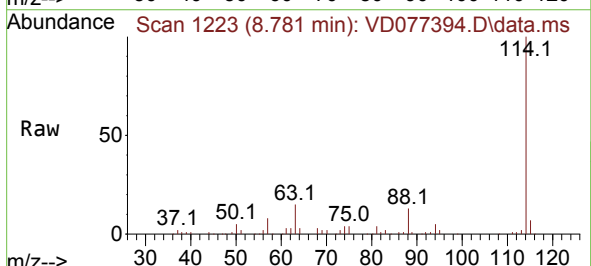
Tgt Ion: 114 Resp: 160205

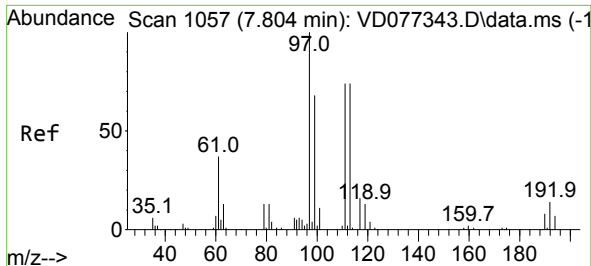
Ion Ratio Lower Upper

114 100

63 14.8 0.0 33.4

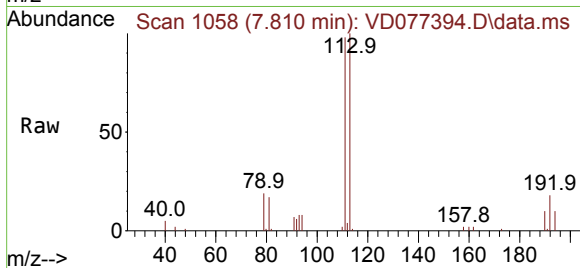
88 12.9 0.0 26.2



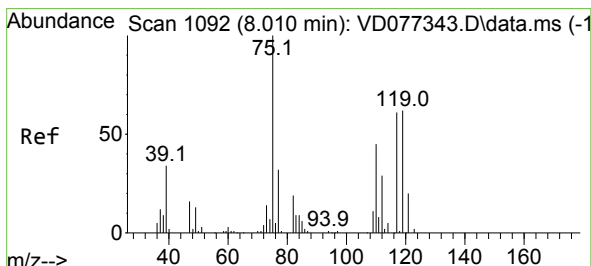
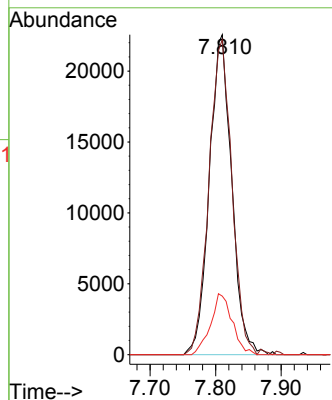
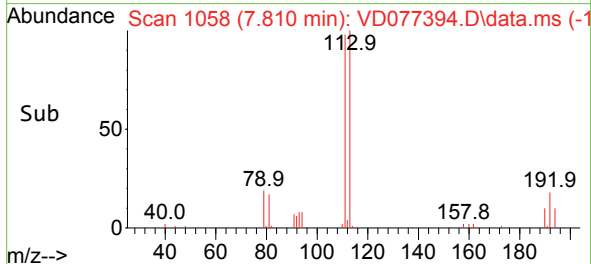


#35
Dibromofluoromethane
Concen: 47.422 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

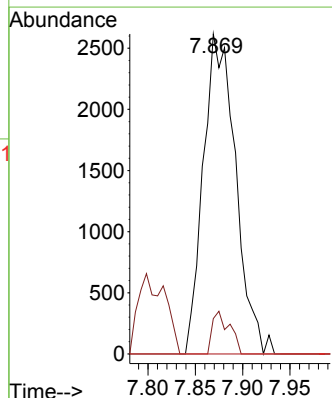
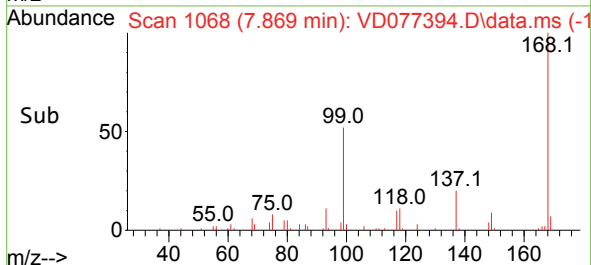
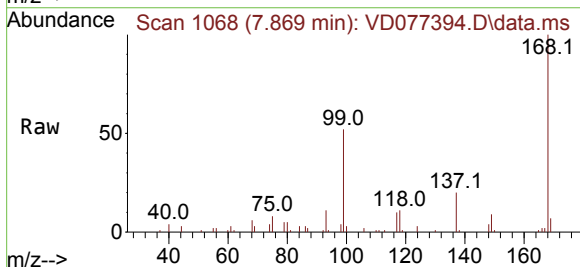


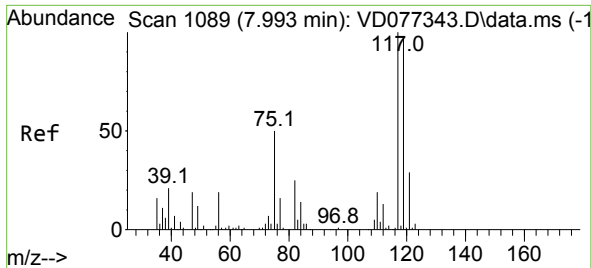
Tgt Ion:113 Resp: 53374
Ion Ratio Lower Upper
113 100
111 100.7 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.211 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

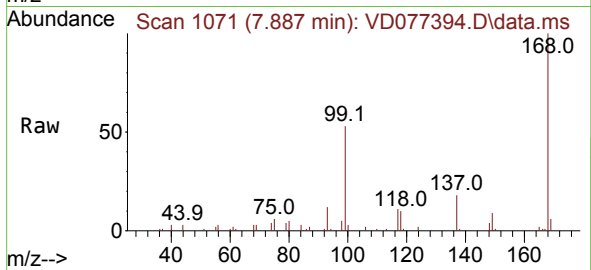
Tgt Ion: 75 Resp: 6227
Ion Ratio Lower Upper
75 100
110 7.0 19.9 59.6#
77 0.0 24.7 37.1#



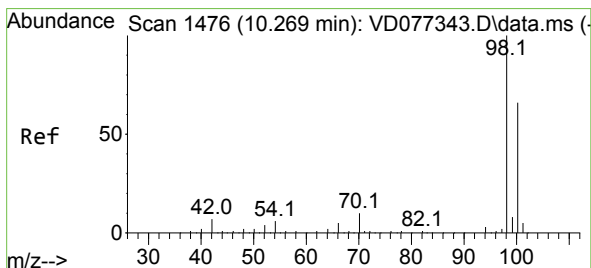
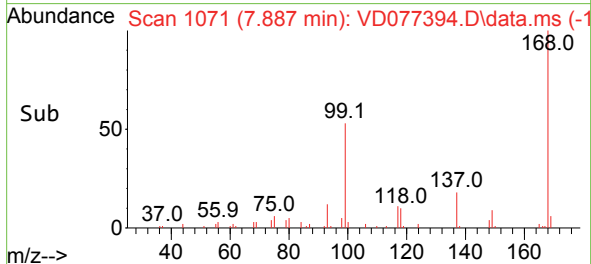
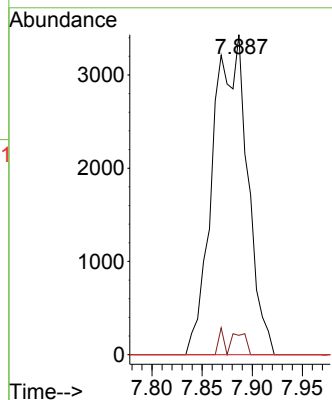


#38
Carbon Tetrachloride
Concen: 5.001 ug/l
RT: 7.887 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Instrument :
MSVOA_D
ClientSampleId :

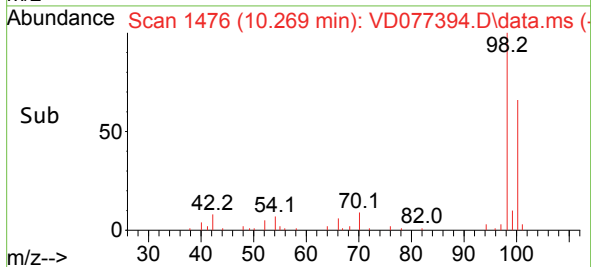
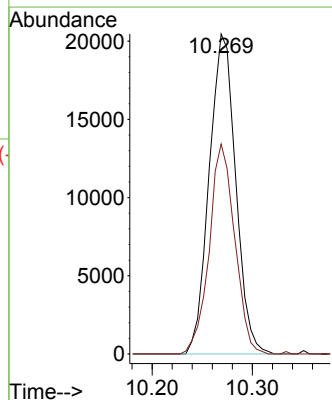
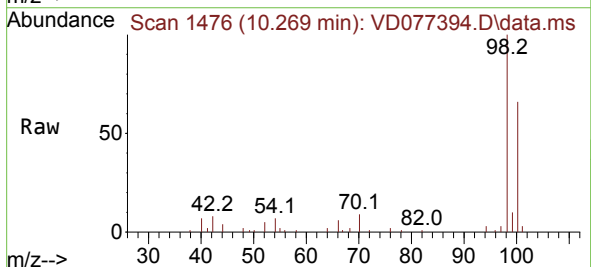


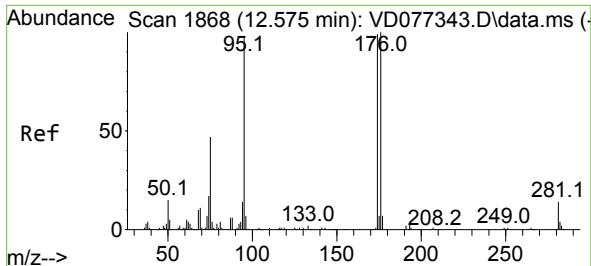
Tgt Ion:117 Resp: 8227
Ion Ratio Lower Upper
117 100
119 6.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 9.297 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Tgt Ion: 98 Resp: 37475
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5

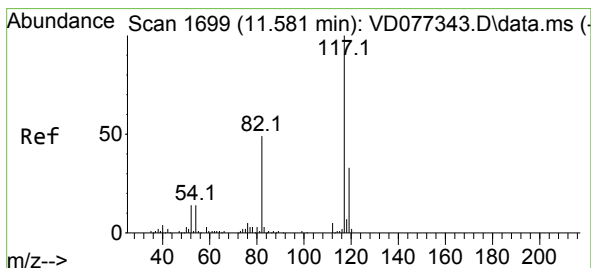
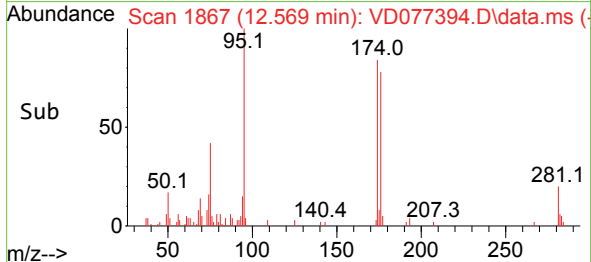
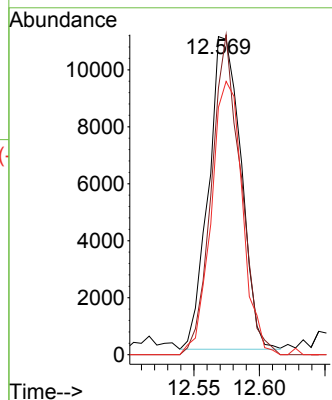
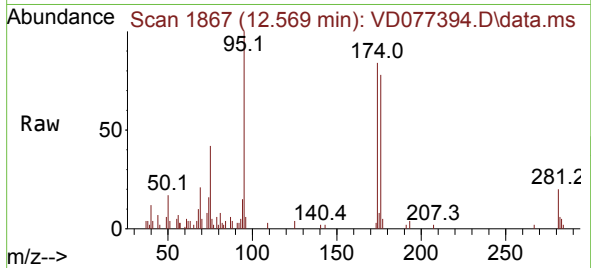




#62
4-Bromofluorobenzene
Concen: 16.296 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

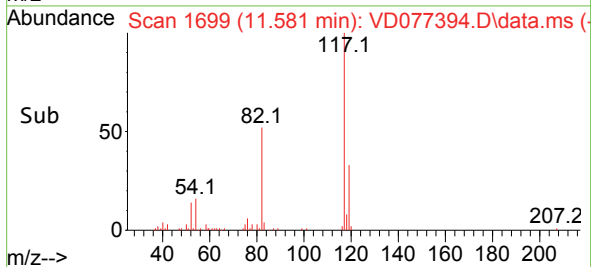
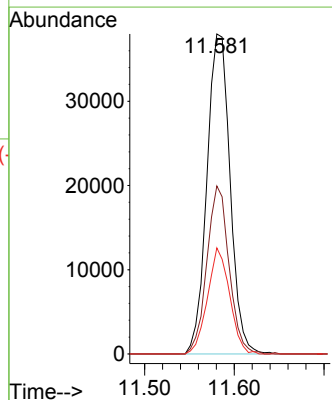
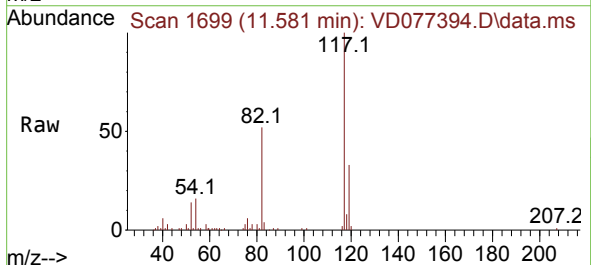
Instrument :
MSVOA_D
ClientSampleId :

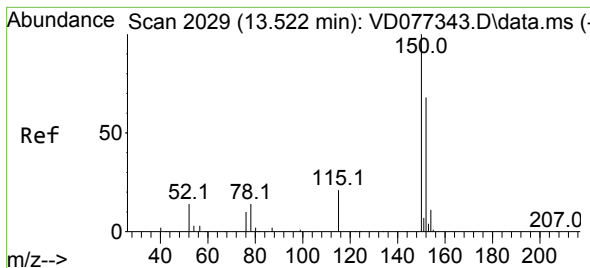
Tgt Ion:	95	Resp:	18908
Ion Ratio	Lower	Upper	
95	100		
174	91.8	0.0	201.8
176	83.9	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Tgt Ion:	117	Resp:	68151
Ion Ratio	Lower	Upper	
117	100		
82	52.5	38.3	57.5
119	33.2	25.0	37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

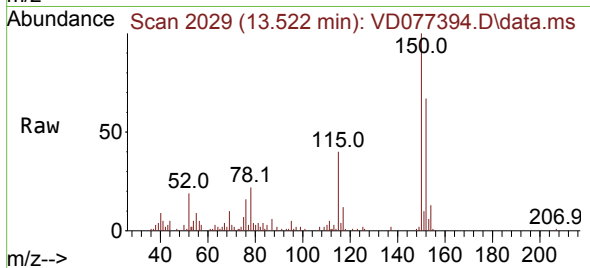
Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

Instrument :

MSVOA_D

ClientSampleId :



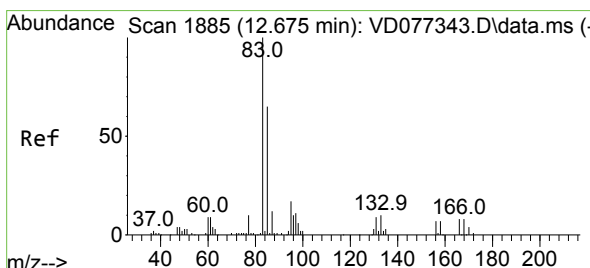
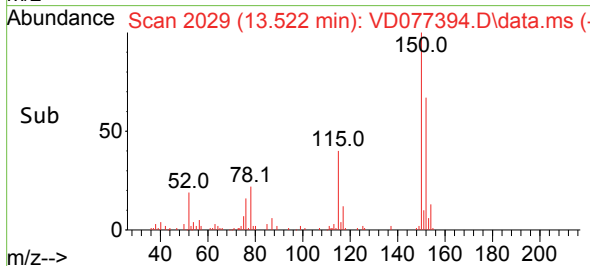
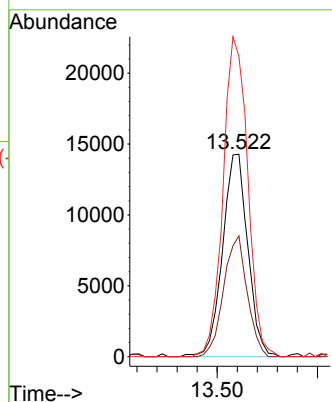
Tgt Ion:152 Resp: 24952

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 154.3 0.0 353.6



#75

1,1,2,2-Tetrachloroethane

Concen: 2.224 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

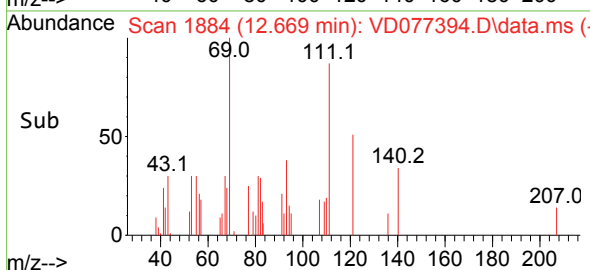
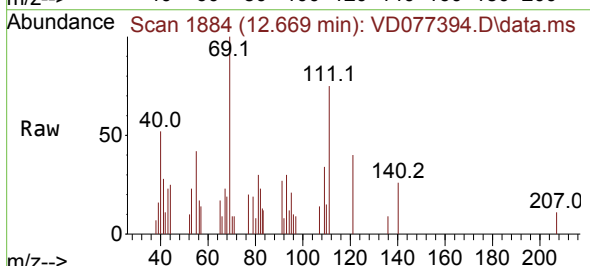
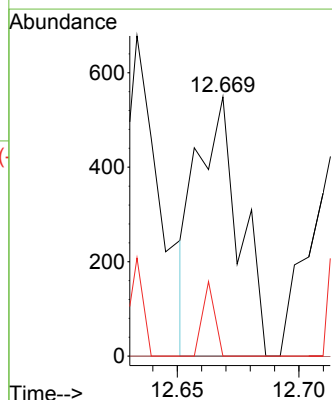
Tgt Ion: 83 Resp: 667

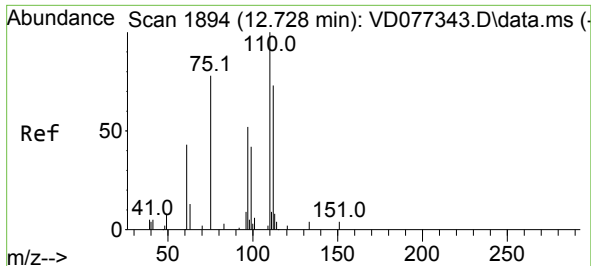
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

85 8.4 32.6 97.8#

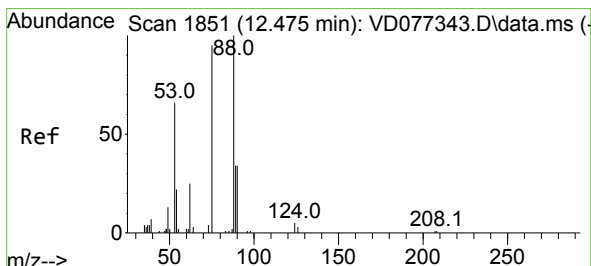
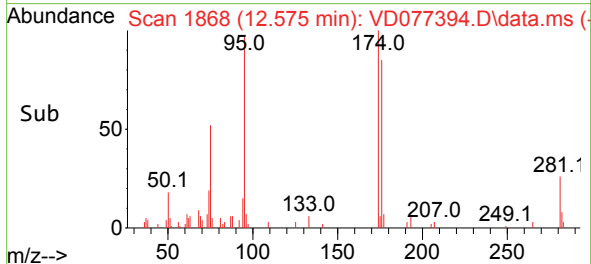
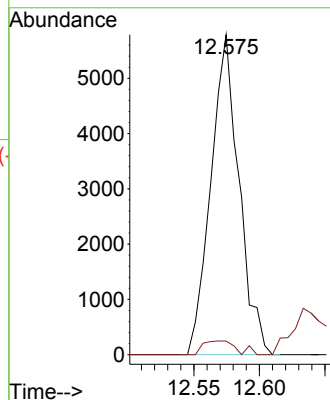
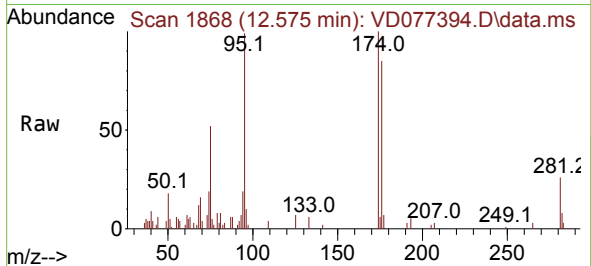




#76
1,2,3-Trichloropropane
Concen: 26.895 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

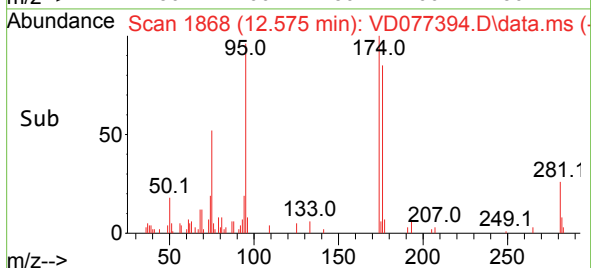
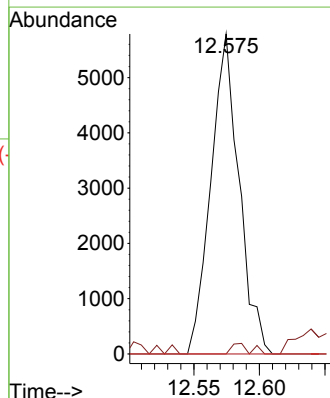
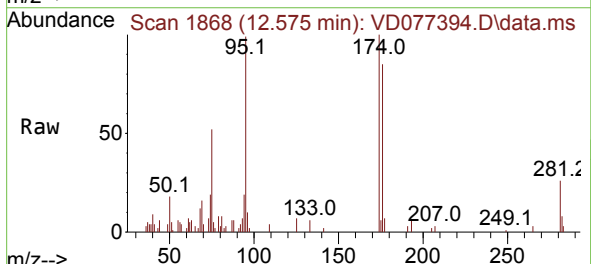
Instrument :
MSVOA_D
ClientSampleId :

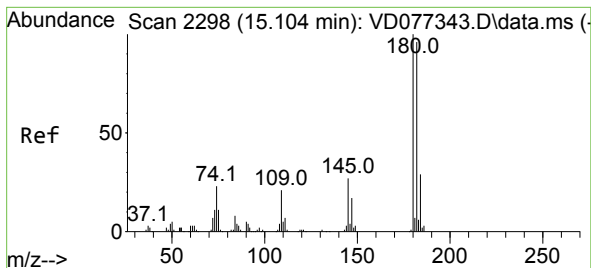
Tgt Ion: 75 Resp: 8657
Ion Ratio Lower Upper
75 100
77 5.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.966 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077394.D
Acq: 24 Oct 2023 15:00

Tgt Ion: 75 Resp: 8657
Ion Ratio Lower Upper
75 100
53 2.1 63.0 94.4#
89 0.0 37.9 56.9#





#93

1,2,4-Trichlorobenzene

Concen: 1.011 ug/l

RT: 15.110 min Scan# 2299

Delta R.T. 0.006 min

Lab File: VD077394.D

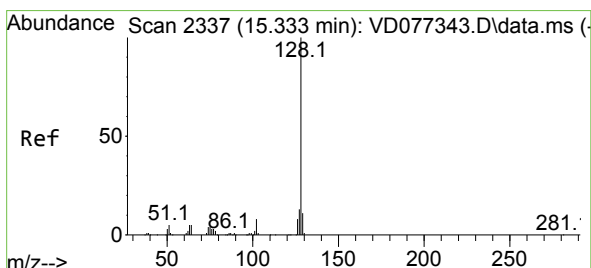
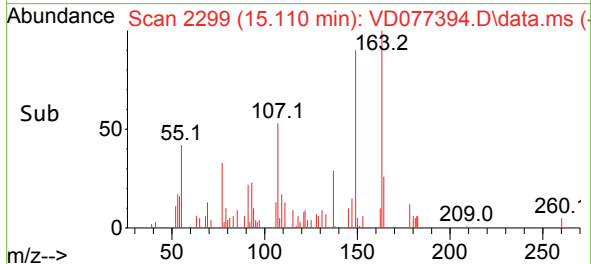
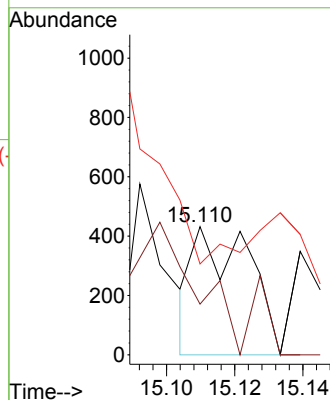
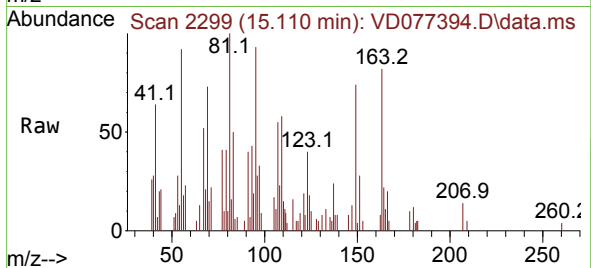
Acq: 24 Oct 2023 15:00

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:180	Resp:	485
Ion Ratio	Lower	Upper
180	100	
182	0.0	48.5 145.6#
145	0.0	14.2 42.6#



#95

Naphthalene

Concen: 2.804 ug/l

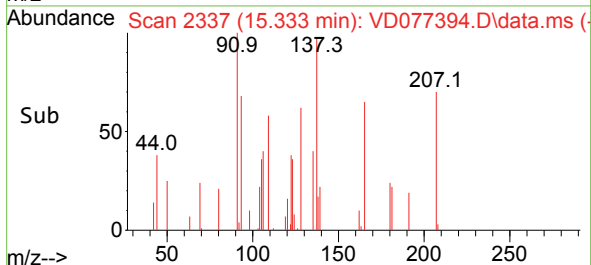
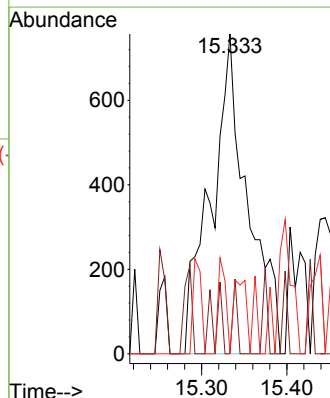
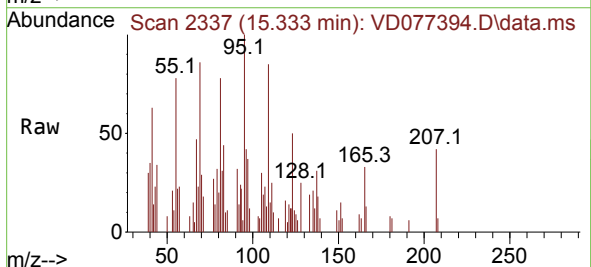
RT: 15.333 min Scan# 2337

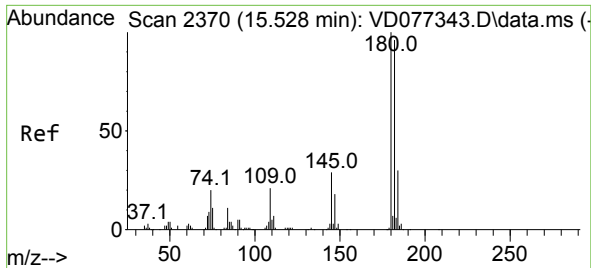
Delta R.T. -0.000 min

Lab File: VD077394.D

Acq: 24 Oct 2023 15:00

Tgt Ion:128	Resp:	2272
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.5 15.7#
129	0.0	8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.666 ug/l
 RT: 15.545 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VD077394.D
 Acq: 24 Oct 2023 15:00

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion:180 Resp: 694
 Ion Ratio Lower Upper
 180 100
 182 24.1 47.3 141.9#
 145 38.2 15.1 45.3

