

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077364.D
 Acq On : 20 Oct 2023 14:29
 Operator : JC/SY
 Sample : 04960-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:29:35 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)

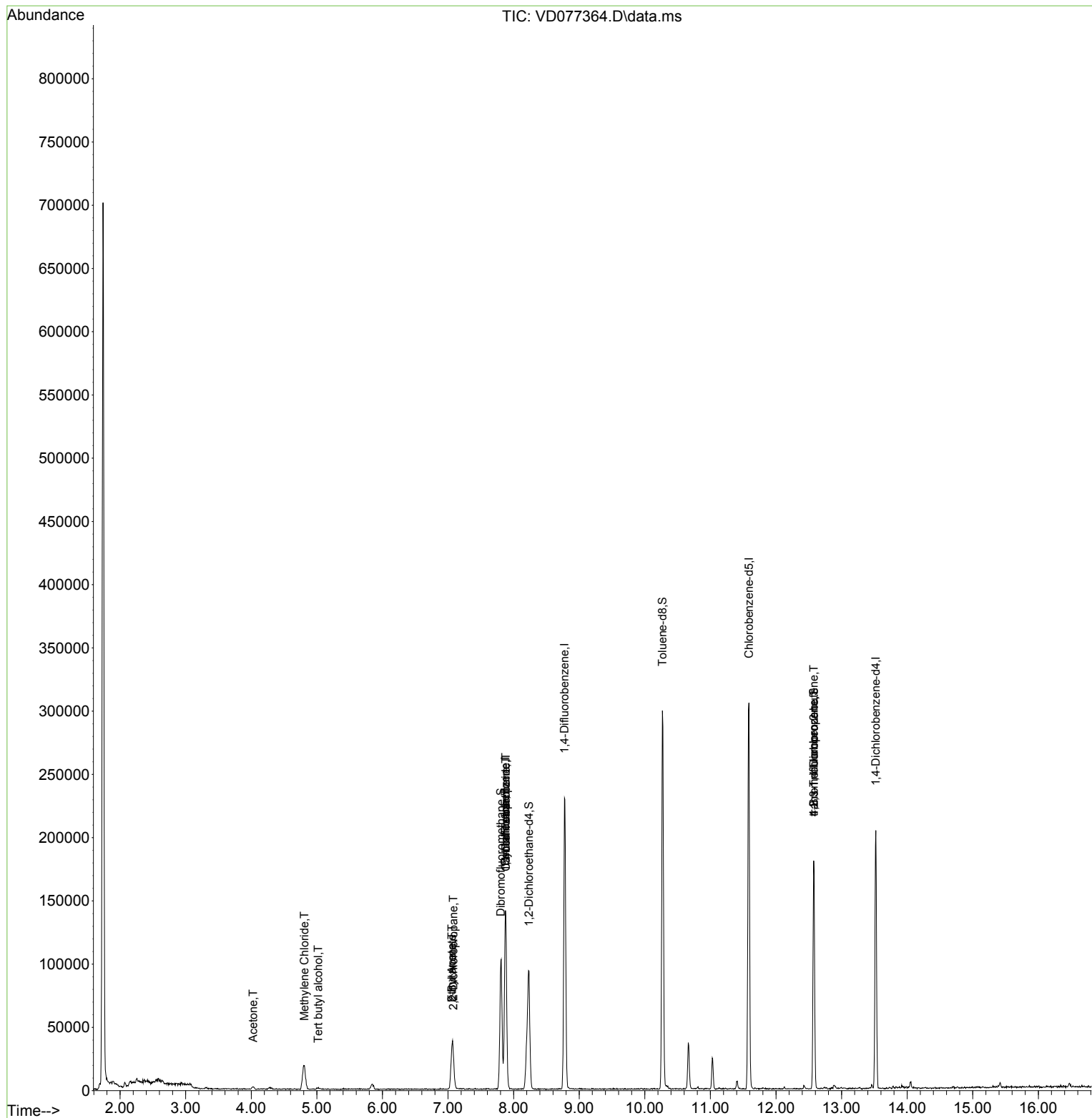
Internal Standards						
1) Pentafluorobenzene	7.875	168	111762	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	218687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	191538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	57254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66414	66.549	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.100%	
35) Dibromofluoromethane	7.805	113	74403	48.428	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.860%	
50) Toluene-d8	10.269	98	219970	39.978	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 79.960%	
62) 4-Bromofluorobenzene	12.575	95	50579	31.934	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 63.860%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.022	59	297	5.290	ug/l #	73
16) Acetone	4.028	43	3015	13.777	ug/l #	61
20) Methylene Chloride	4.811	84	15815	7.926	ug/l	91
25) 2-Butanone	7.058	43	687	3.026	ug/l #	37
26) 2,2-Dichloropropane	7.081	77	3008	1.655	ug/l #	49
31) Cyclohexane	7.875	56	2433	1.567	ug/l #	9
36) 1,1-Dichloropropene	7.881	75	9290	4.602	ug/l #	44
37) Ethyl Acetate	7.058	43	687	1.083	ug/l #	1
38) Carbon Tetrachloride	7.881	117	11867	5.284	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	26000	34.357	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	26000	121.682	ug/l #	17

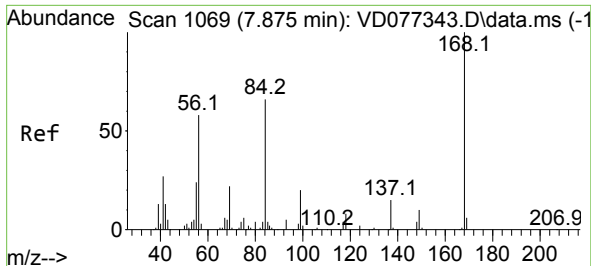
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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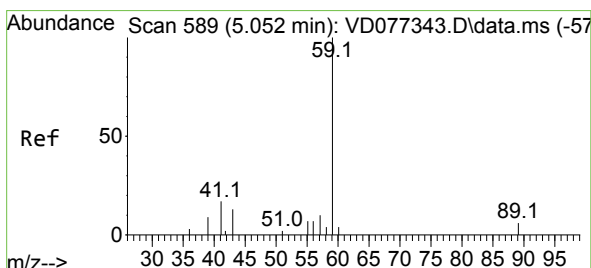
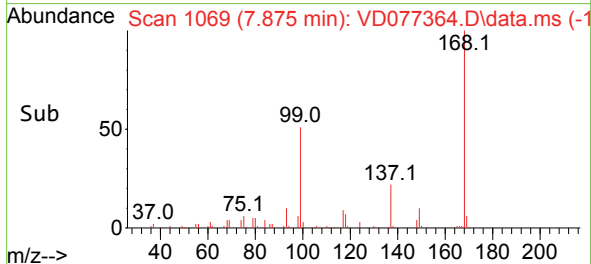
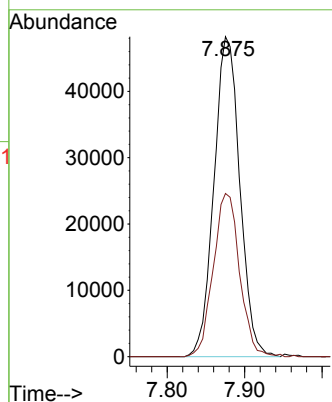
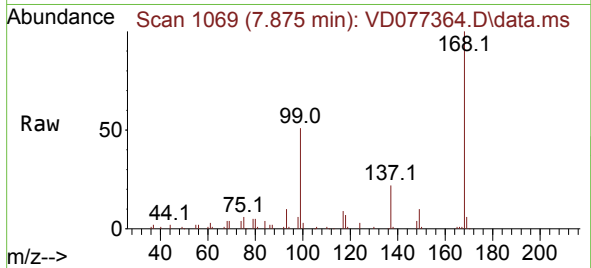




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

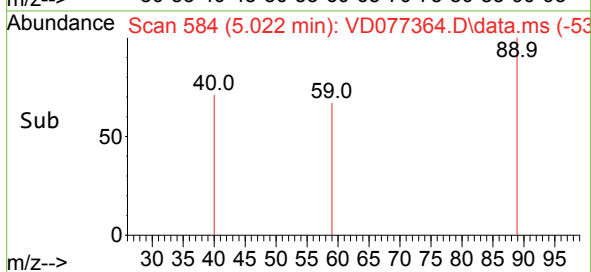
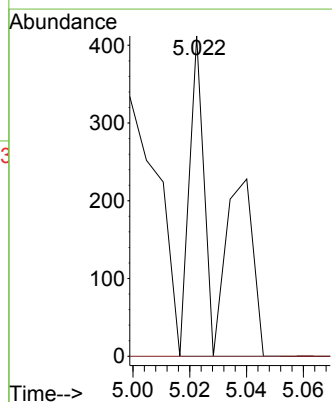
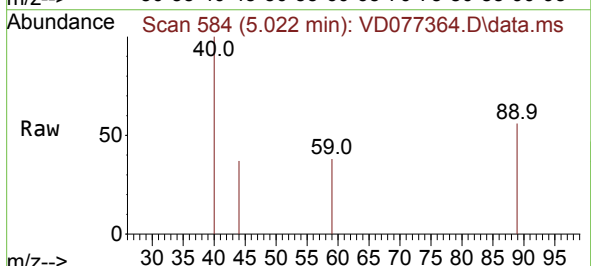
Instrument :
MSVOA_D
ClientSampleId :

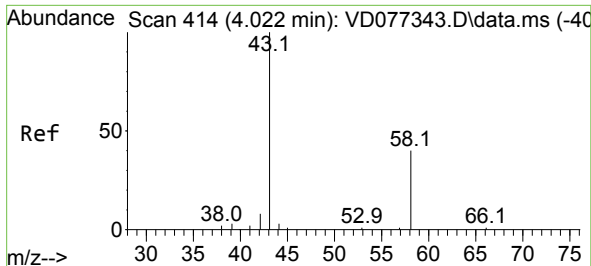
Tgt Ion:168 Resp: 111762
Ion Ratio Lower Upper
168 100
99 51.0 36.7 55.1



#11
Tert butyl alcohol
Concen: 5.290 ug/l
RT: 5.022 min Scan# 584
Delta R.T. -0.030 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Tgt Ion: 59 Resp: 297
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

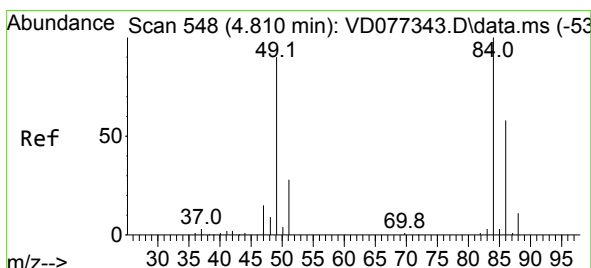
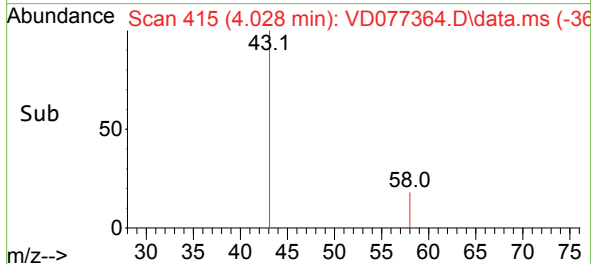
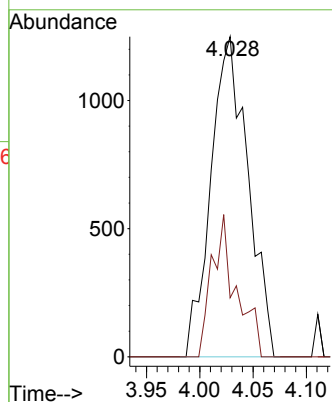
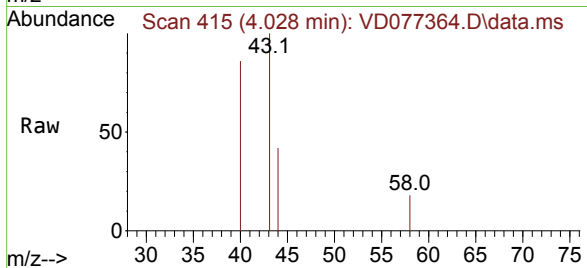




#16
Acetone
Concen: 13.777 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

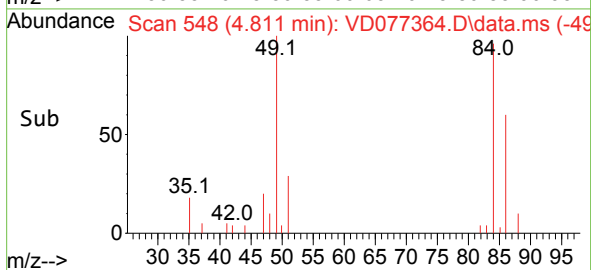
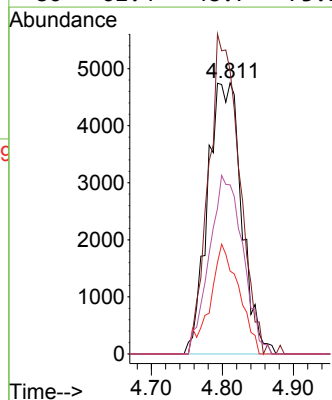
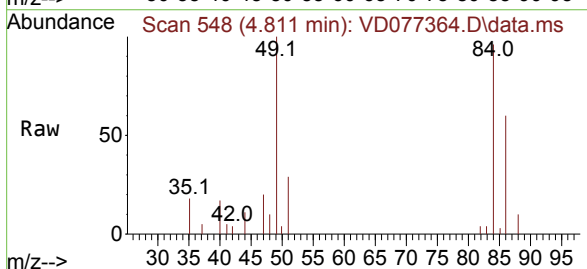
Instrument :
MSVOA_D
ClientSampleId :

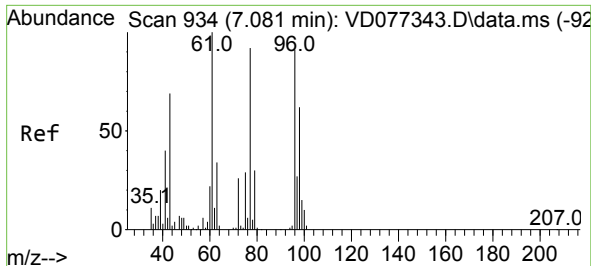
Tgt Ion: 43 Resp: 3015
Ion Ratio Lower Upper
43 100
58 18.4 34.7 52.1#



#20
Methylene Chloride
Concen: 7.926 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.001 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Tgt Ion: 84 Resp: 15815
Ion Ratio Lower Upper
84 100
49 104.5 71.4 107.2
51 30.6 24.5 36.7
86 62.4 48.7 73.1





#25

2-Butanone

Concen: 3.026 ug/l

RT: 7.058 min Scan# 91

Delta R.T. -0.023 min

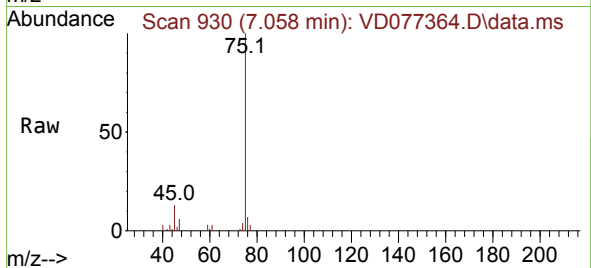
Lab File: VD077364.D

Acq: 20 Oct 2023 14:29

Instrument :

MSVOA_D

ClientSampleId :

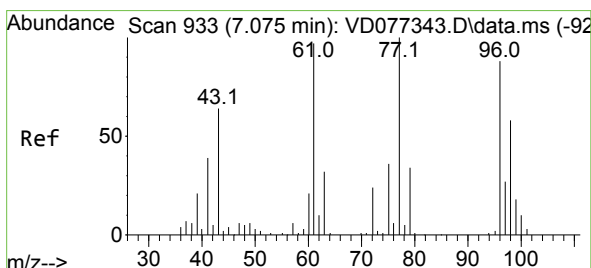
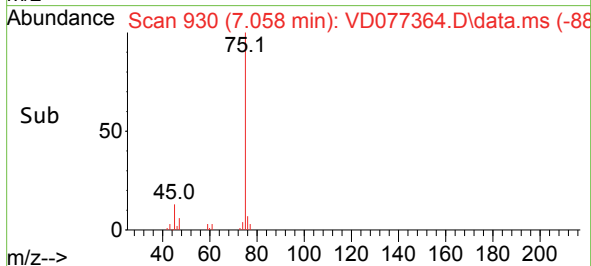
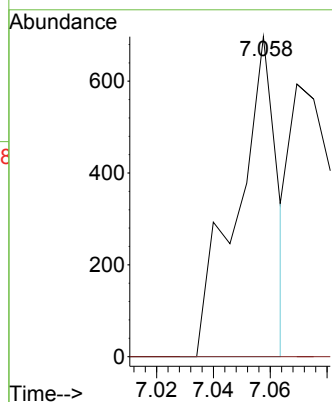


Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 1.655 ug/l

RT: 7.081 min Scan# 934

Delta R.T. 0.006 min

Lab File: VD077364.D

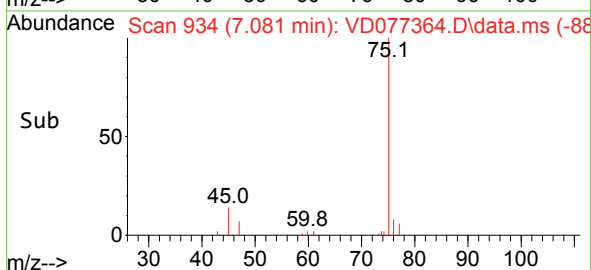
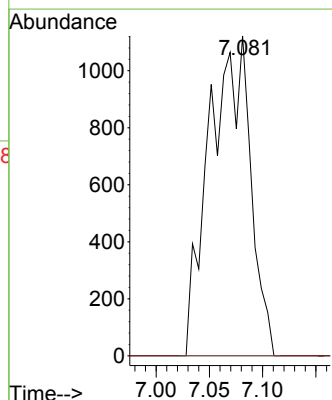
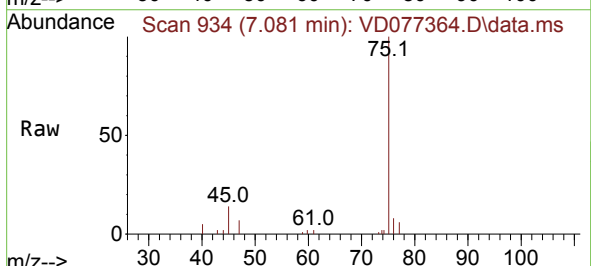
Acq: 20 Oct 2023 14:29

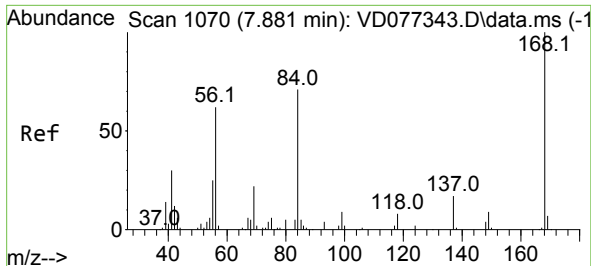
Tgt Ion: 77 Resp: 3008

Ion Ratio Lower Upper

77 100

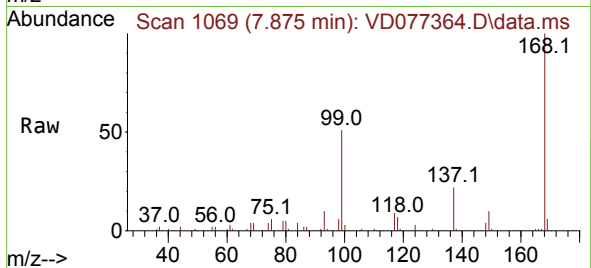
97 0.0 13.2 39.6#



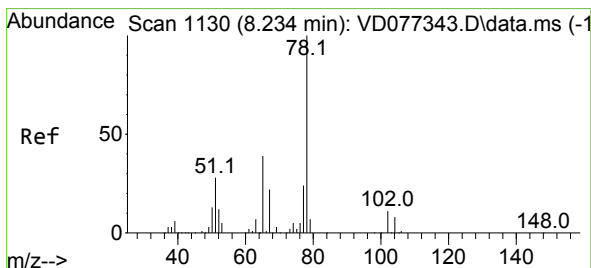
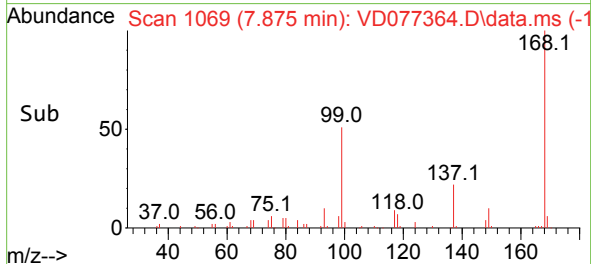
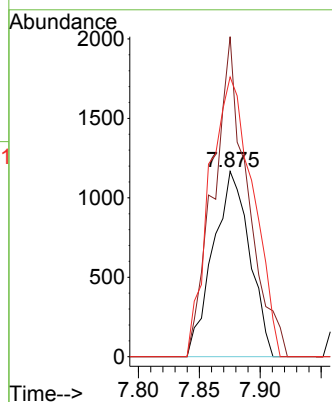


#31
Cyclohexane
Concen: 1.567 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Instrument :
MSVOA_D
ClientSampleId :

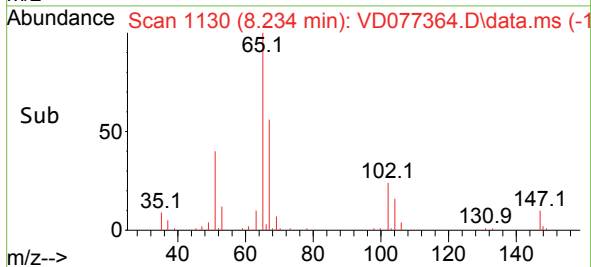
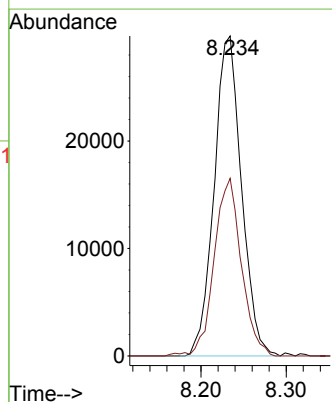
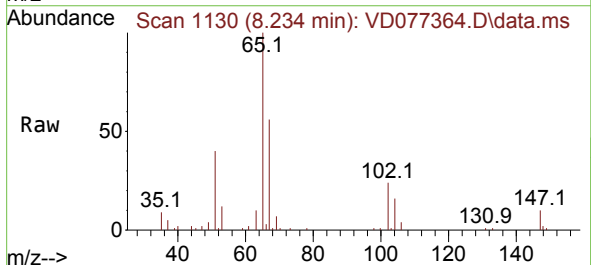


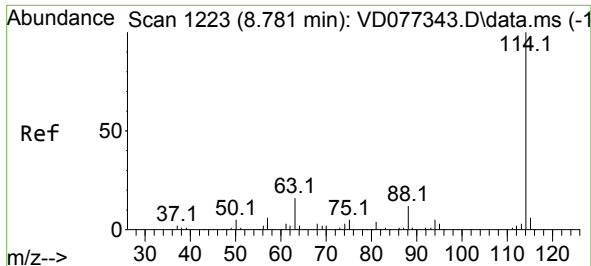
Tgt Ion: 56 Resp: 2433
Ion Ratio Lower Upper
56 100
69 172.7 28.6 43.0#
84 150.9 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 66.549 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Tgt Ion: 65 Resp: 66414
Ion Ratio Lower Upper
65 100
67 55.3 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD077364.D

Acq: 20 Oct 2023 14:29

Instrument :

MSVOA_D

ClientSampleId :

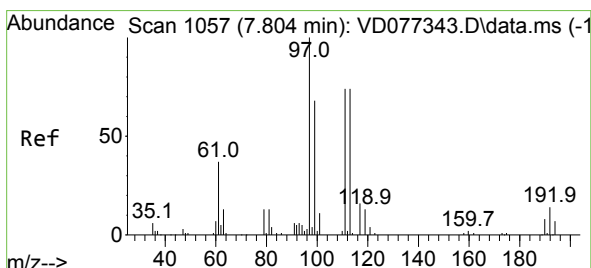
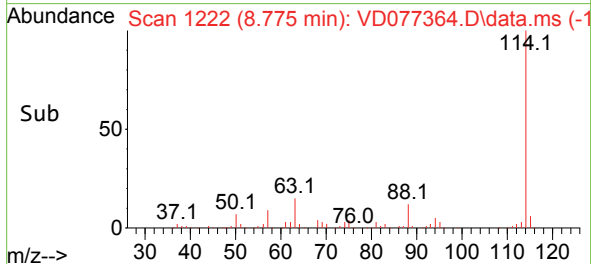
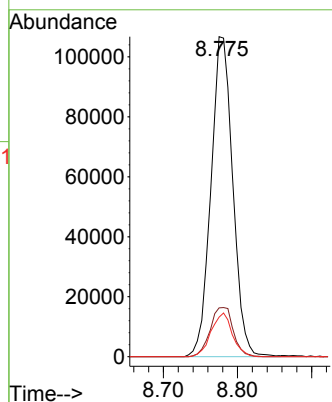
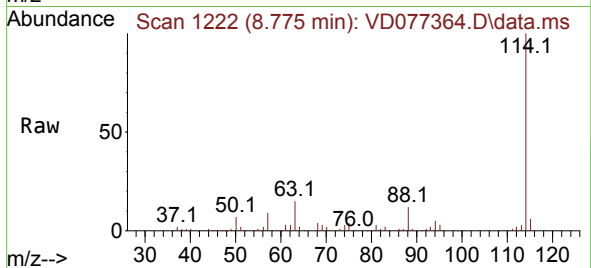
Tgt Ion:114 Resp: 218687

Ion Ratio Lower Upper

114 100

63 15.2 0.0 33.4

88 12.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.428 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077364.D

Acq: 20 Oct 2023 14:29

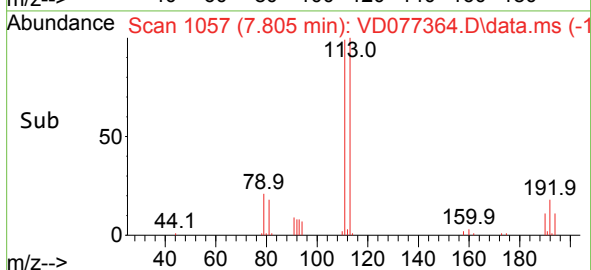
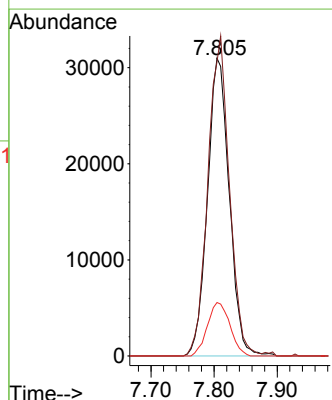
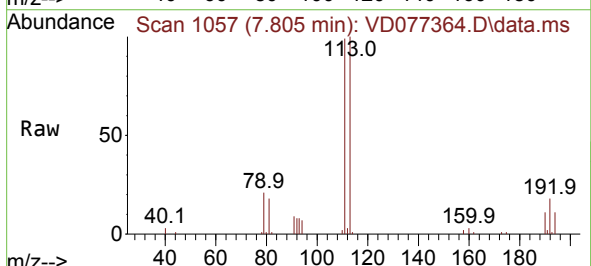
Tgt Ion:113 Resp: 74403

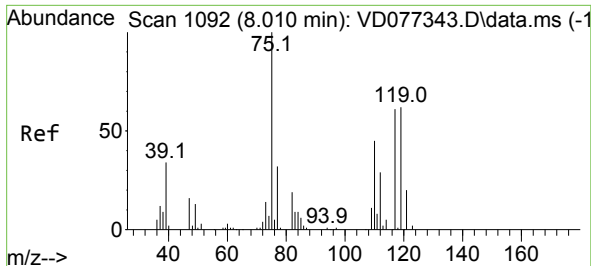
Ion Ratio Lower Upper

113 100

111 105.8 84.7 127.1

192 18.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.602 ug/l

RT: 7.881 min Scan# 1092

Delta R.T. -0.129 min

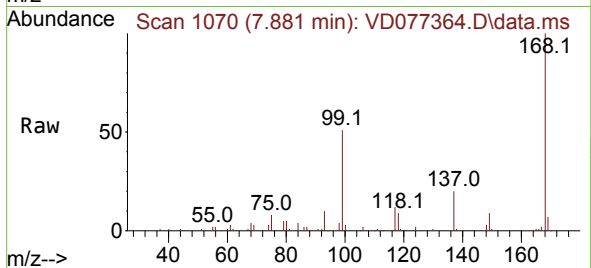
Lab File: VD077364.D

Acq: 20 Oct 2023 14:29

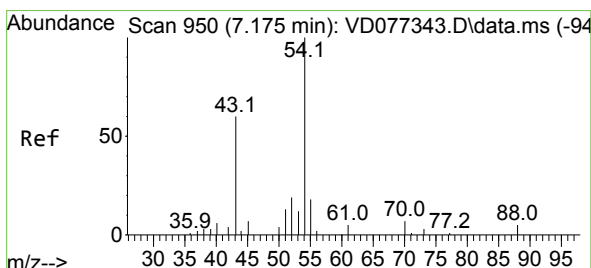
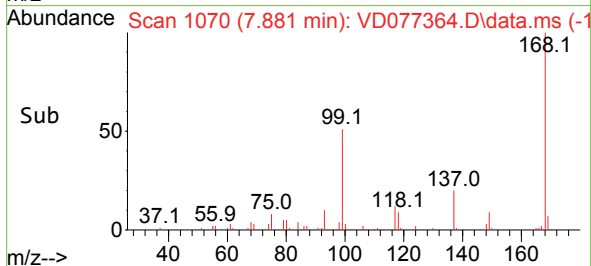
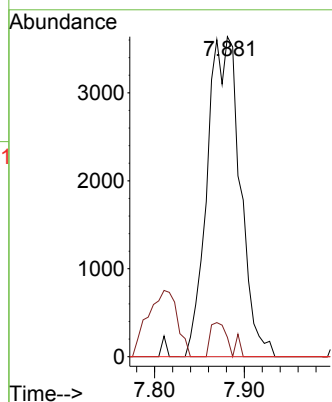
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 9290
Ion Ratio	Lower Upper
75	100
110	5.0 19.9 59.6#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.083 ug/l

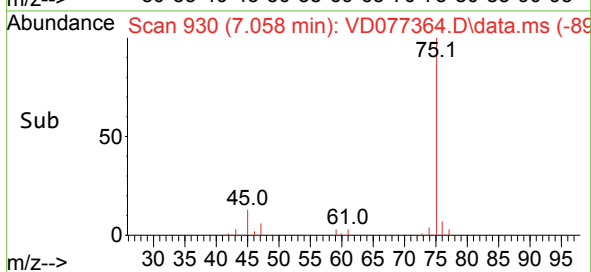
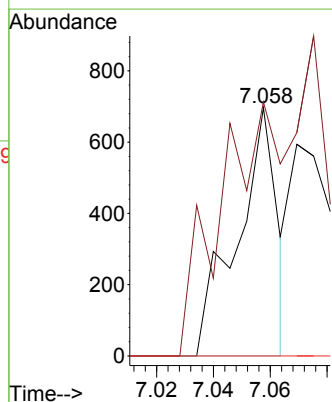
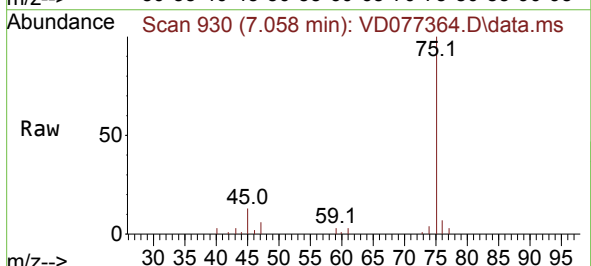
RT: 7.058 min Scan# 930

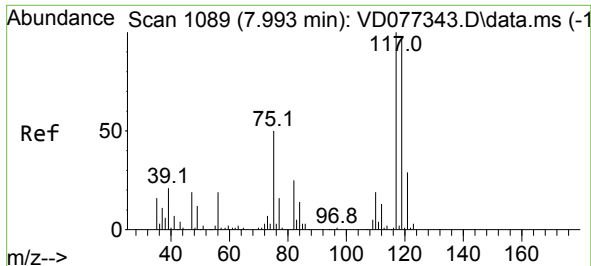
Delta R.T. -0.117 min

Lab File: VD077364.D

Acq: 20 Oct 2023 14:29

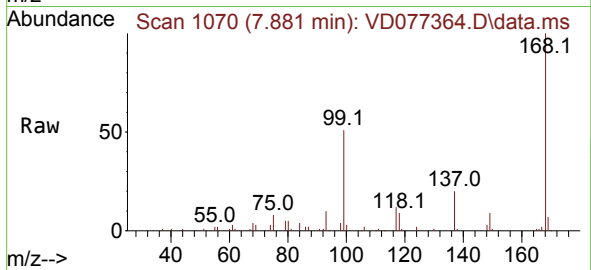
Tgt Ion: 43	Resp: 687
Ion Ratio	Lower Upper
43	100
61	313.2 14.9 22.3#
70	0.0 10.0 15.0#



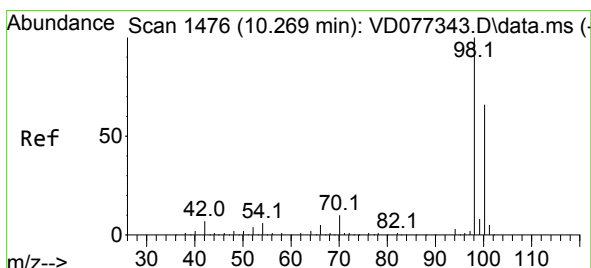
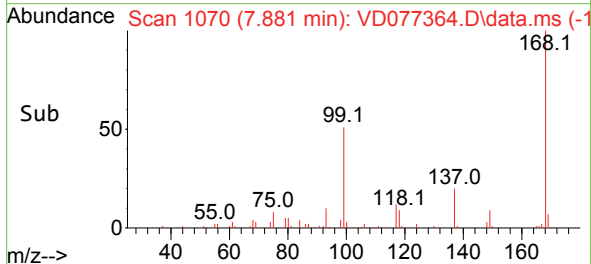
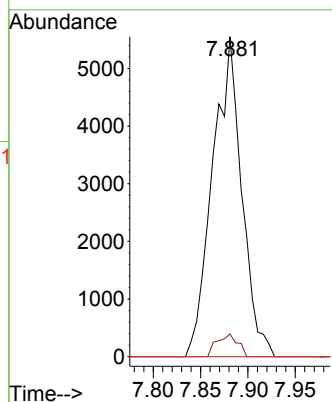


#38
Carbon Tetrachloride
Concen: 5.284 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Instrument :
MSVOA_D
ClientSampleId :

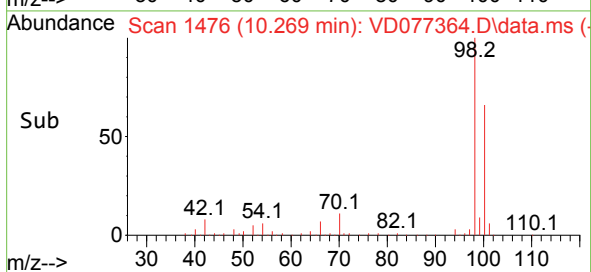
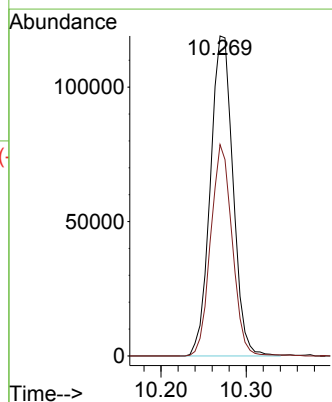
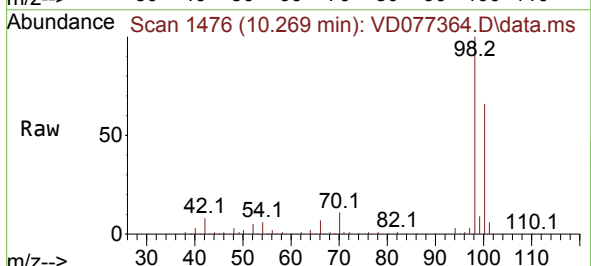


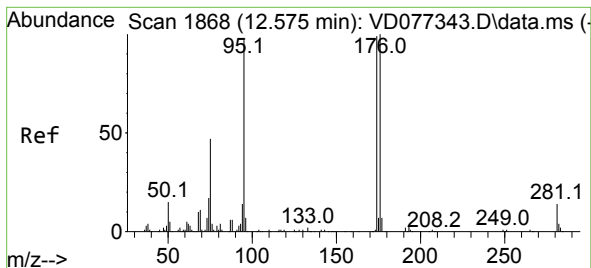
Tgt Ion:117 Resp: 11867
Ion Ratio Lower Upper
117 100
119 7.1 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 39.978 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

Tgt Ion: 98 Resp: 219970
Ion Ratio Lower Upper
98 100
100 62.9 50.3 75.5

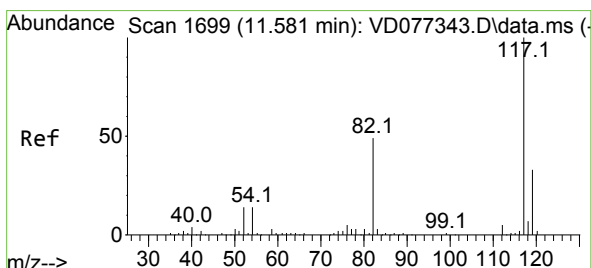
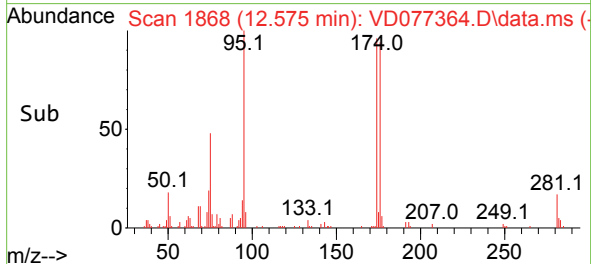
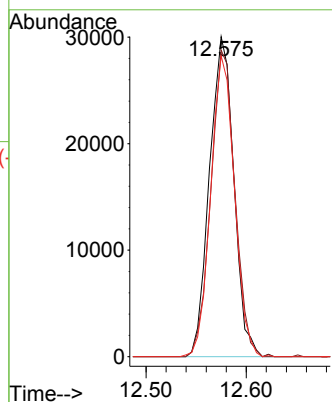
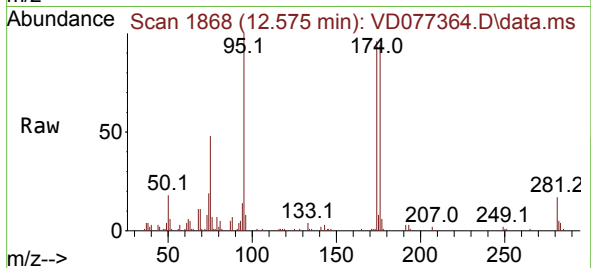




#62
4-Bromofluorobenzene
Concen: 31.934 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

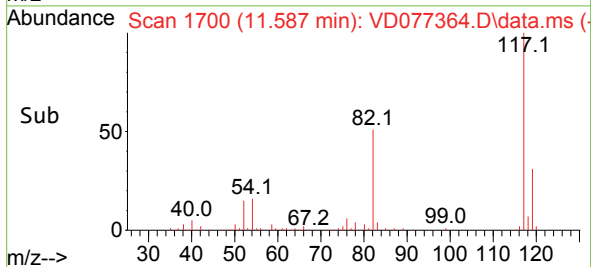
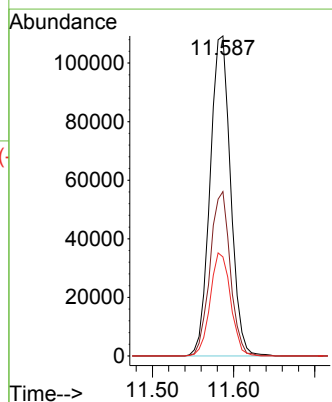
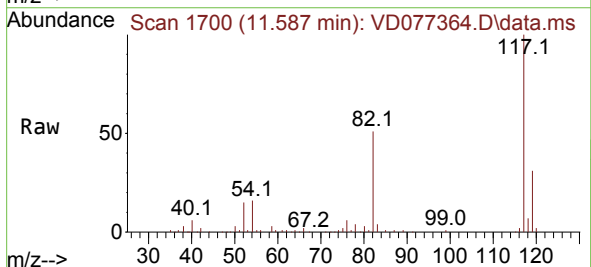
Instrument :
MSVOA_D
ClientSampleId :

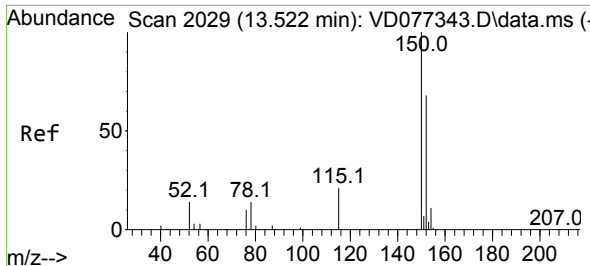
Tgt Ion: 95 Resp: 50579
Ion Ratio Lower Upper
95 100
174 94.2 0.0 201.8
176 91.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077364.D
Acq: 20 Oct 2023 14:29

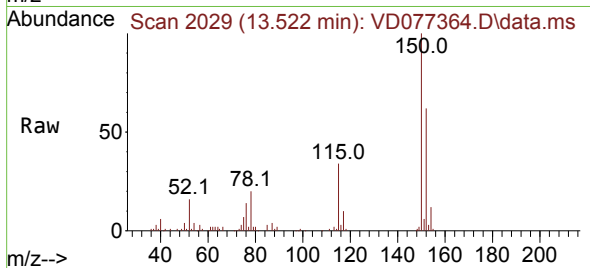
Tgt Ion: 117 Resp: 191538
Ion Ratio Lower Upper
117 100
82 51.3 38.3 57.5
119 31.0 25.0 37.4



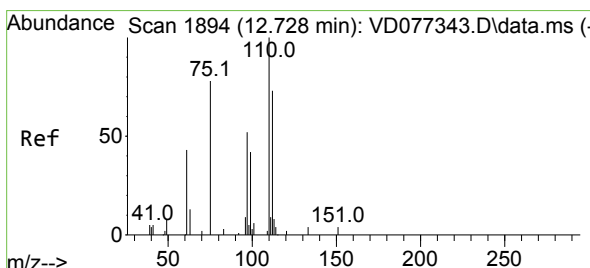
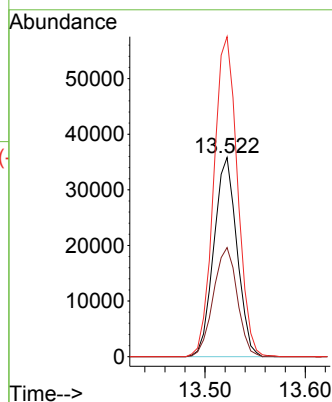
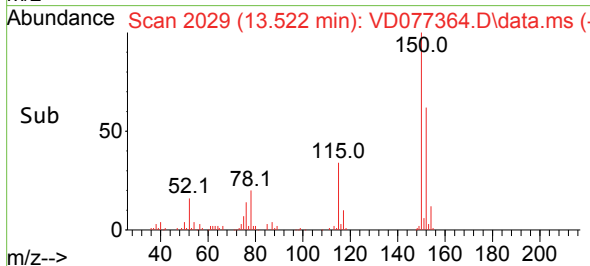


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. 0.000 min
 Lab File: VD077364.D
 Acq: 20 Oct 2023 14:29

Instrument :
 MSVOA_D
 ClientSampleId :

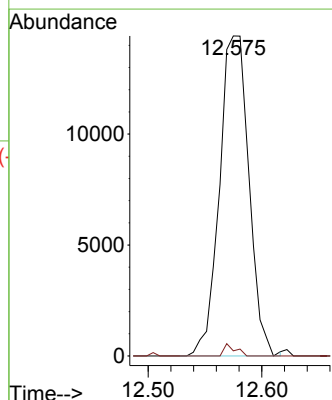
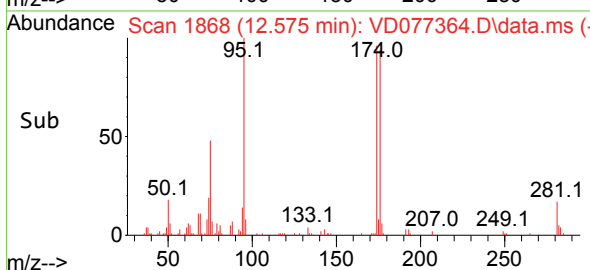
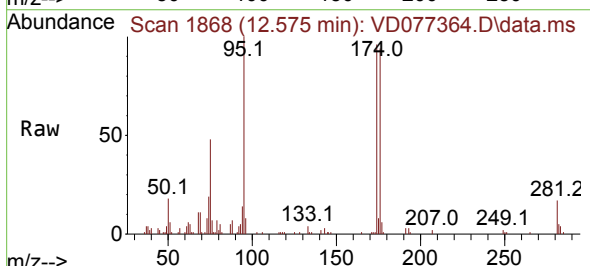


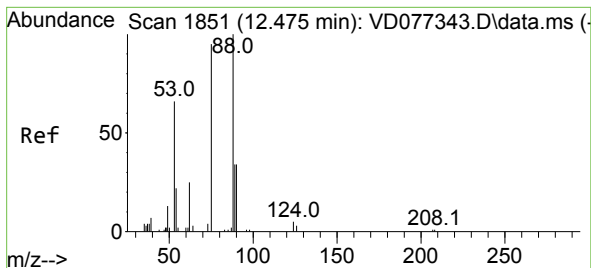
Tgt Ion:152 Resp: 57254
 Ion Ratio Lower Upper
 152 100
 115 56.5 27.1 81.3
 150 164.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 34.357 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077364.D
 Acq: 20 Oct 2023 14:29

Tgt Ion: 75 Resp: 26000
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.682 ug/l
 RT: 12.575 min Scan# 1851
 Delta R.T. 0.100 min
 Lab File: VD077364.D
 Acq: 20 Oct 2023 14:29

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 26000
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

