

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077353.D
 Acq On : 19 Oct 2023 14:34
 Operator : JC/SY
 Sample : 04935-01RE
 Misc : 5.10G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 20 02:07:33 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)

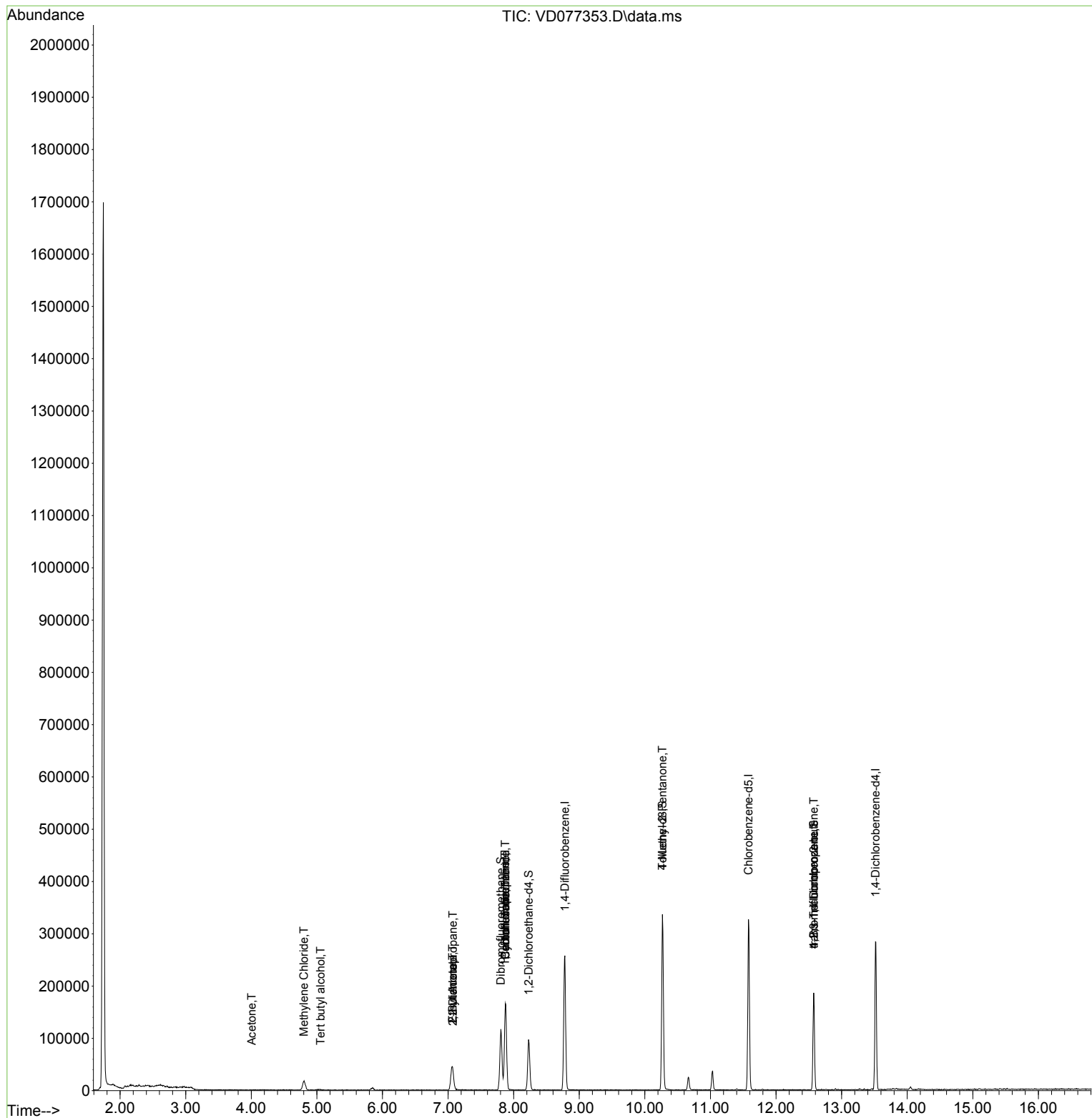
Internal Standards						
1) Pentafluorobenzene	7.875	168	131788	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	238577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	200832	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85672	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	72149	61.310	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	122.620%
35) Dibromofluoromethane	7.804	113	83290	49.693	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.380%
50) Toluene-d8	10.269	98	242476	40.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	80.780%
62) 4-Bromofluorobenzene	12.575	95	53117	30.740	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.480%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.058	59	565	8.535	ug/l #	73
16) Acetone	4.005	43	315	1.221	ug/l #	32
20) Methylene Chloride	4.805	84	14648	5.094	ug/l	94
25) 2-Butanone	7.069	43	2033	7.595	ug/l #	37
26) 2,2-Dichloropropane	7.075	77	3793	1.770	ug/l #	49
31) Cyclohexane	7.875	56	2901	1.584	ug/l #	10
36) 1,1-Dichloropropene	7.869	75	10567	4.798	ug/l #	43
37) Ethyl Acetate	7.069	43	2033	2.939	ug/l #	40
38) Carbon Tetrachloride	7.875	117	12818	5.232	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	756	1.211	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	28161	25.625	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	28161	88.078	ug/l #	17

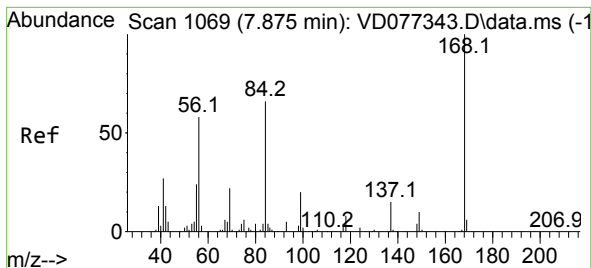
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 20 02:07:33 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Instrument :

MSVOA_D

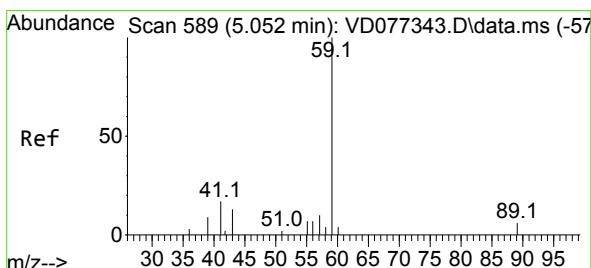
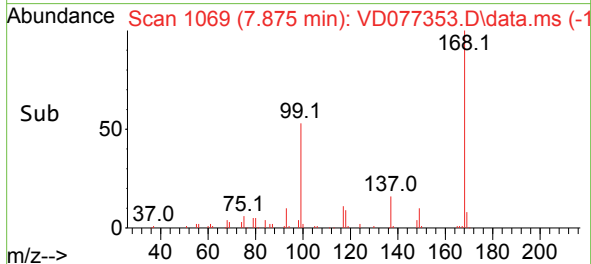
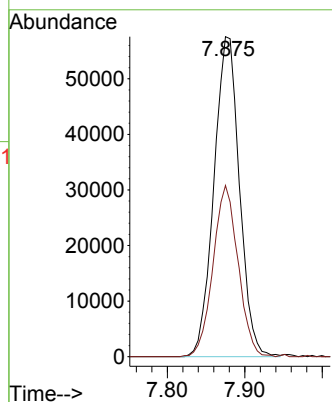
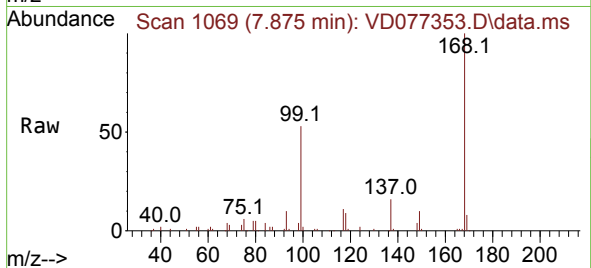
ClientSampleId :

Tgt Ion:168 Resp: 131788

Ion Ratio Lower Upper

168 100

99 53.5 36.7 55.1



#11

Tert butyl alcohol

Concen: 8.535 ug/l

RT: 5.058 min Scan# 590

Delta R.T. 0.006 min

Lab File: VD077353.D

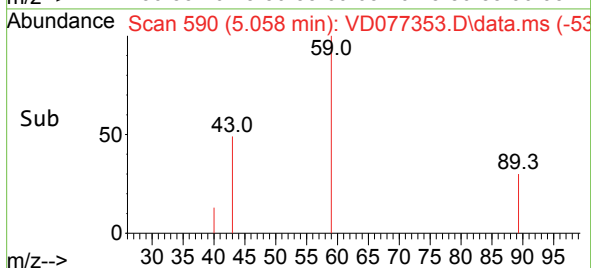
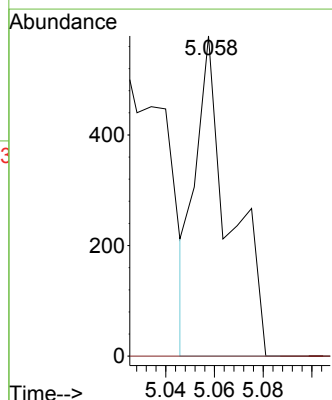
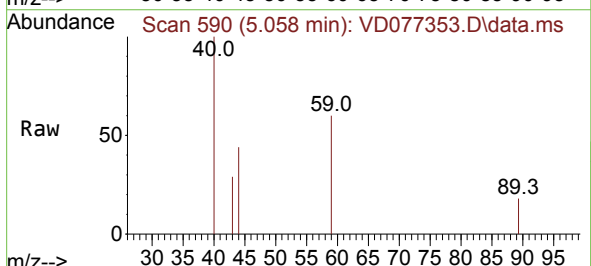
Acq: 19 Oct 2023 14:34

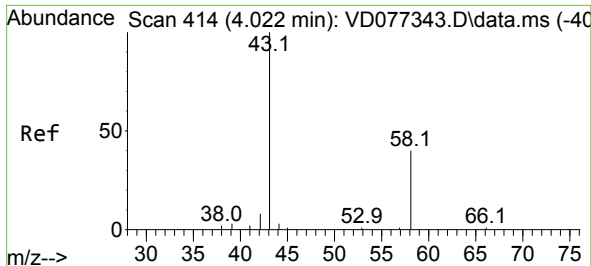
Tgt Ion: 59 Resp: 565

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#16

Acetone

Concen: 1.221 ug/l

RT: 4.005 min Scan# 41

Delta R.T. -0.017 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Instrument :

MSVOA_D

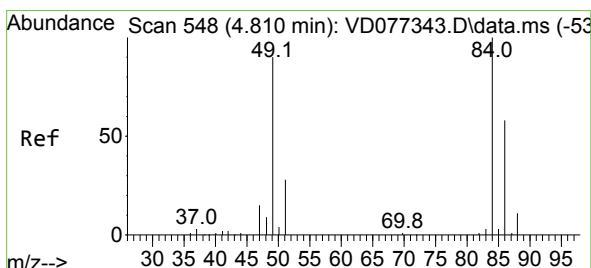
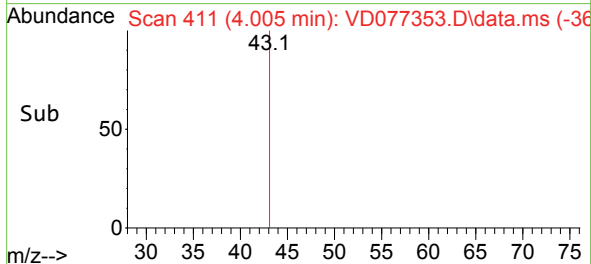
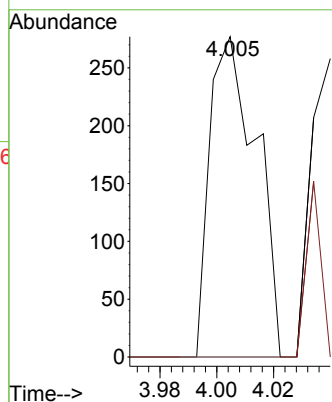
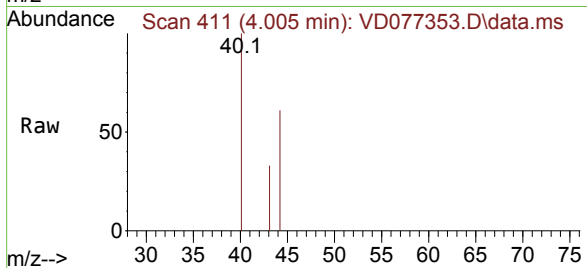
ClientSampleId :

Tgt Ion: 43 Resp: 315

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#20

Methylene Chloride

Concen: 5.094 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.005 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Tgt Ion: 84 Resp: 14648

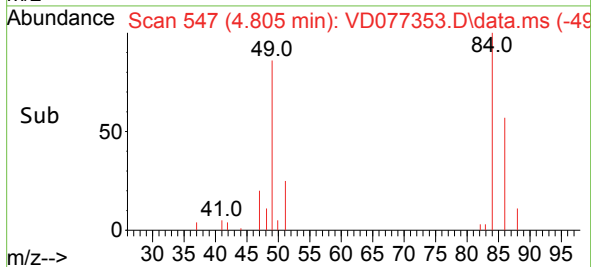
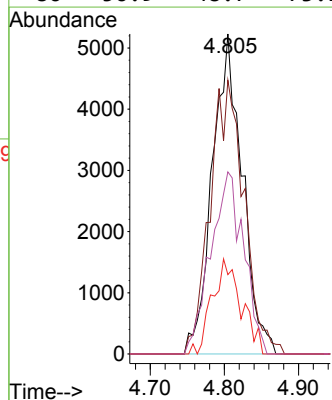
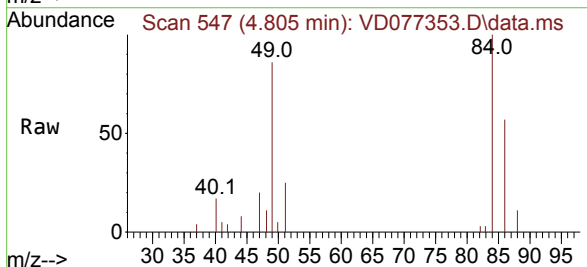
Ion Ratio Lower Upper

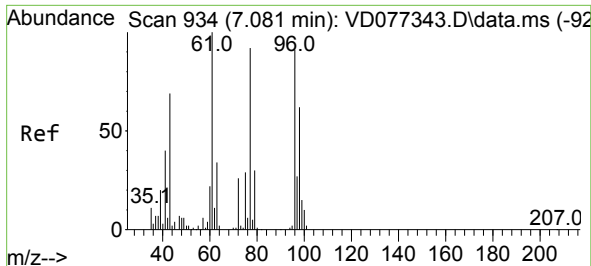
84 100

49 85.5 71.4 107.2

51 24.8 24.5 36.7

86 56.9 48.7 73.1





#25

2-Butanone

Concen: 7.595 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.012 min

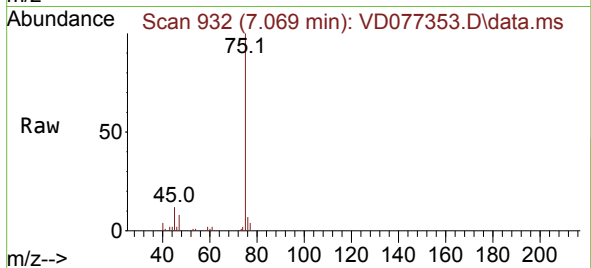
Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

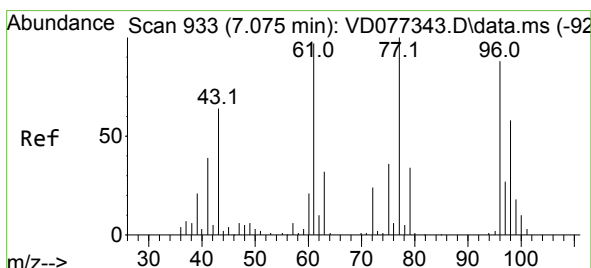
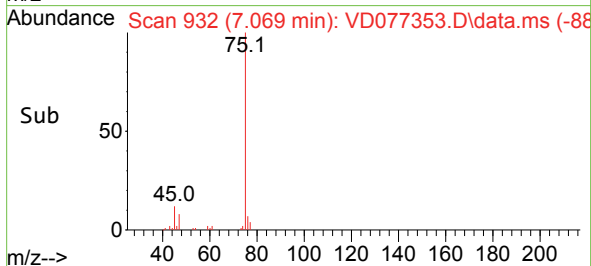
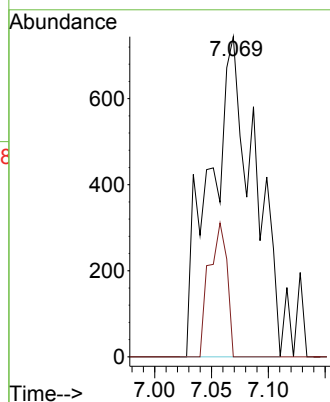


Tgt Ion: 43 Resp: 2033

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 1.770 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD077353.D

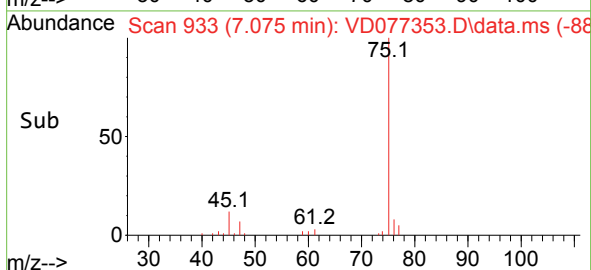
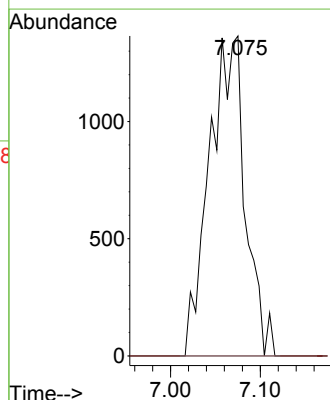
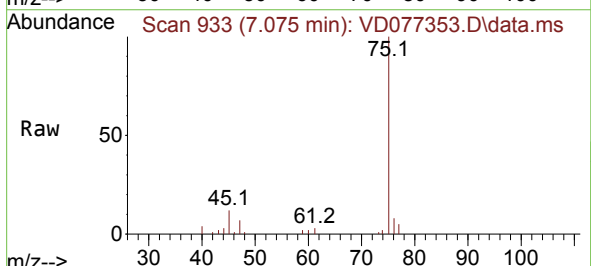
Acq: 19 Oct 2023 14:34

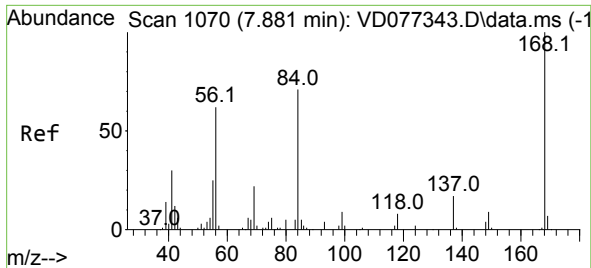
Tgt Ion: 77 Resp: 3793

Ion Ratio Lower Upper

77 100

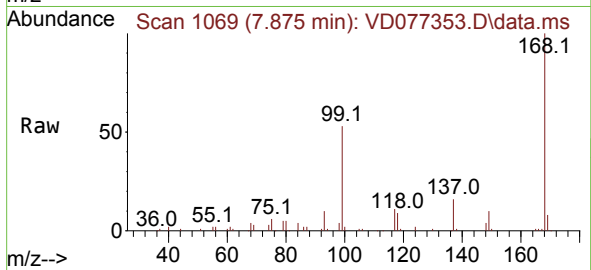
97 0.0 13.2 39.6#



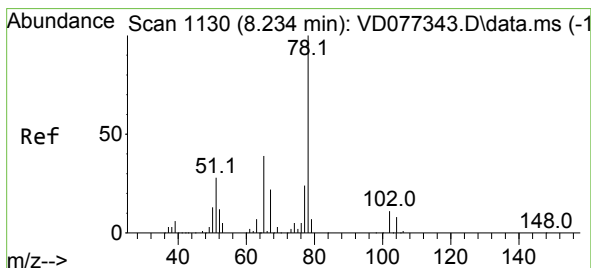
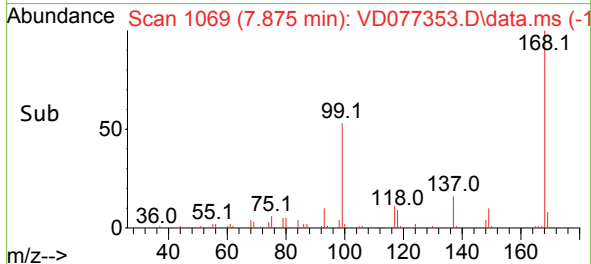
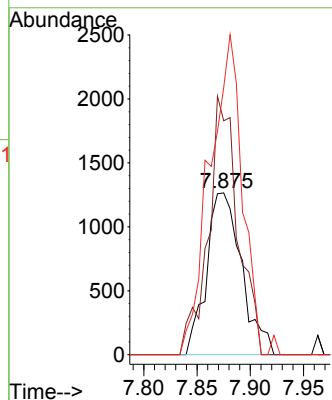


#31
Cyclohexane
Concen: 1.584 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :

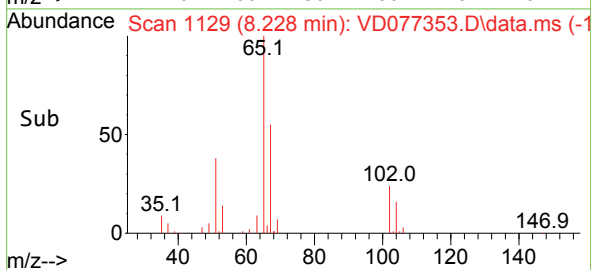
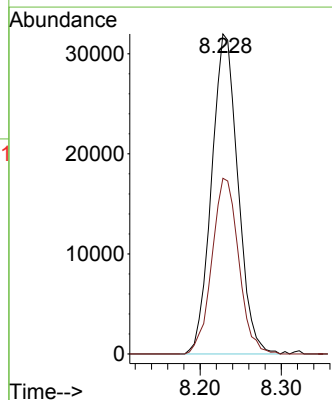
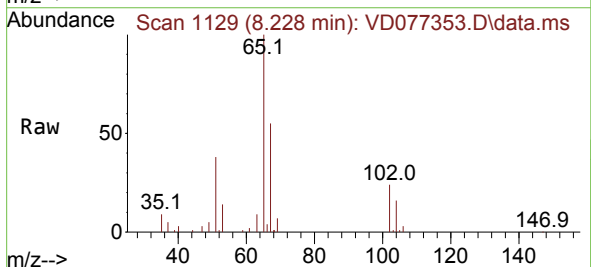


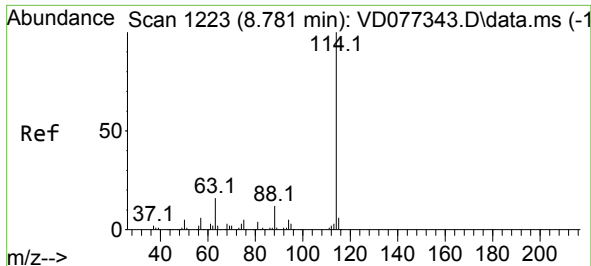
Tgt Ion: 56 Resp: 2901
Ion Ratio Lower Upper
56 100
69 144.7 28.6 43.0#
84 165.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 61.310 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion: 65 Resp: 72149
Ion Ratio Lower Upper
65 100
67 55.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

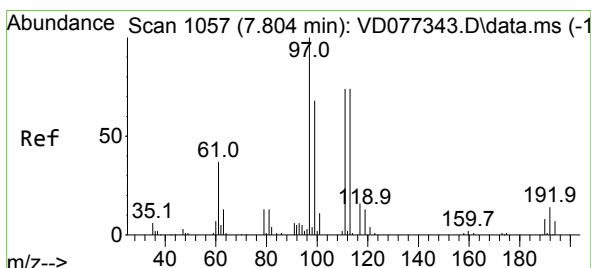
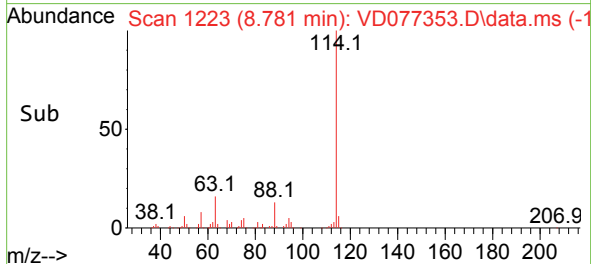
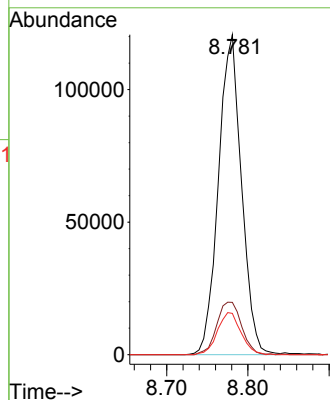
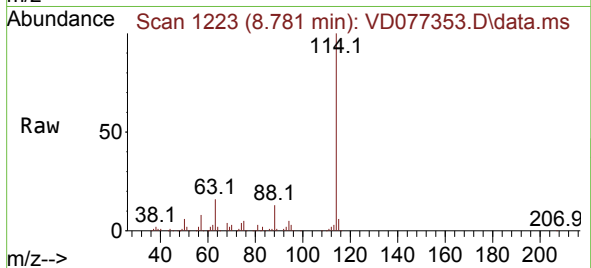
Tgt Ion:114 Resp: 238577

Ion Ratio Lower Upper

114 100

63 16.4 0.0 33.4

88 12.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 49.693 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

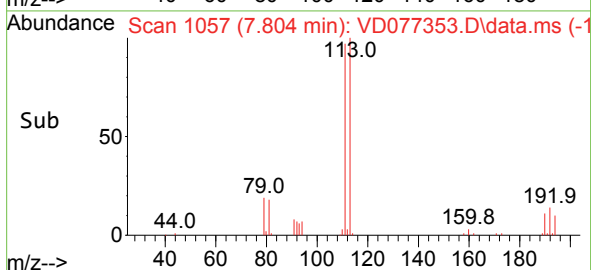
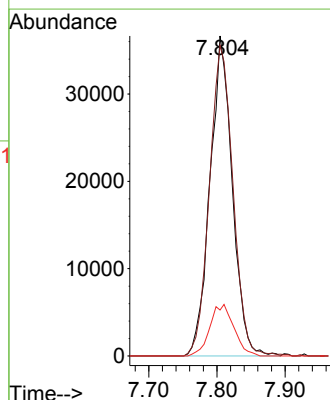
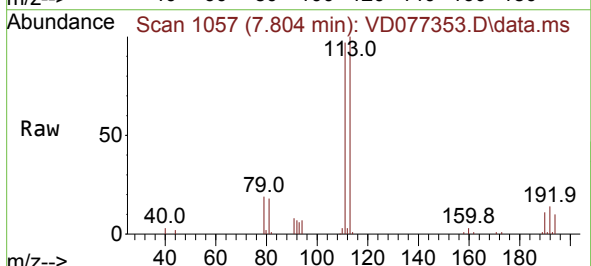
Tgt Ion:113 Resp: 83290

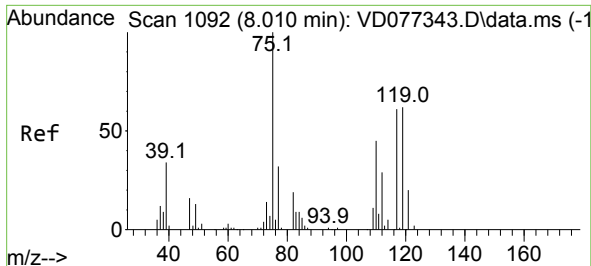
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 17.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.798 ug/l

RT: 7.869 min Scan# 1092

Delta R.T. -0.141 min

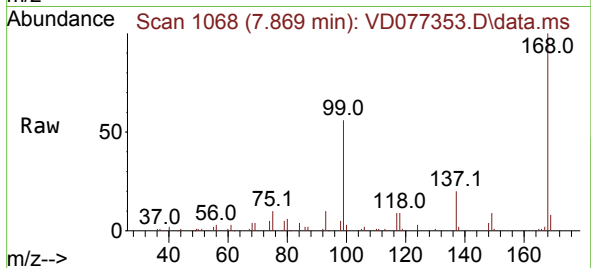
Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

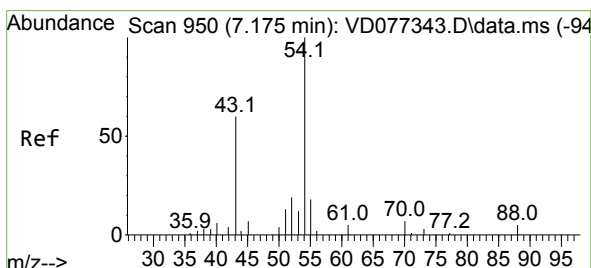
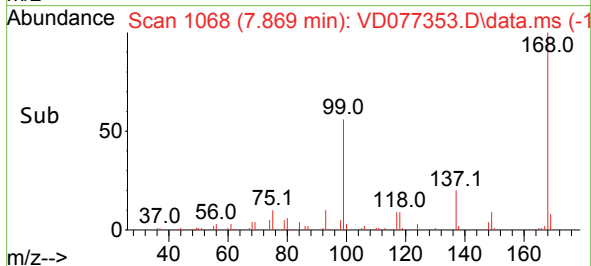
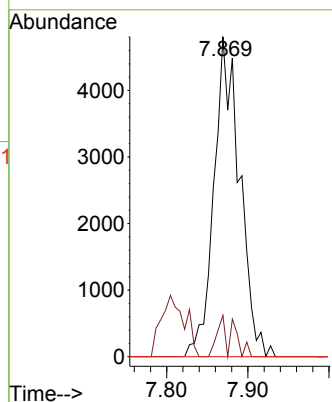
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 10567
Ion Ratio	Lower Upper
75	100
110	4.0 19.9 59.6#
77	0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 2.939 ug/l

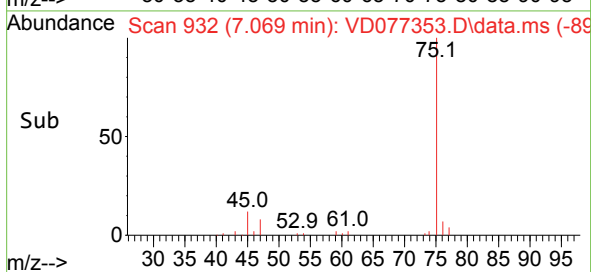
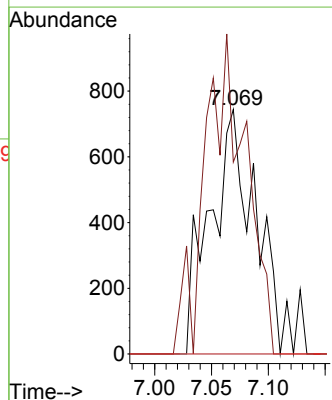
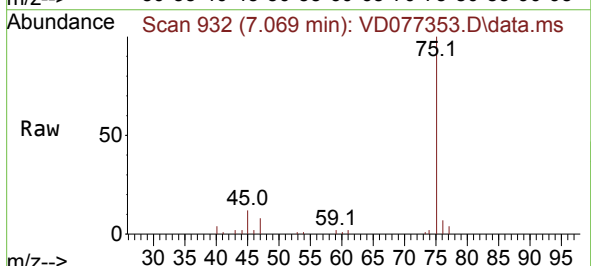
RT: 7.069 min Scan# 932

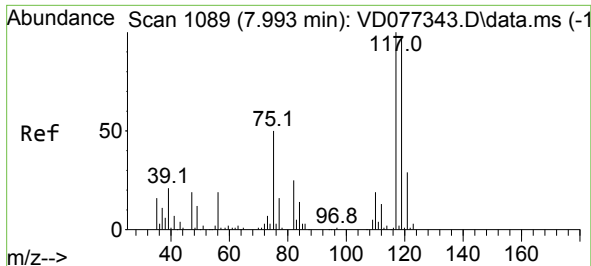
Delta R.T. -0.106 min

Lab File: VD077353.D

Acq: 19 Oct 2023 14:34

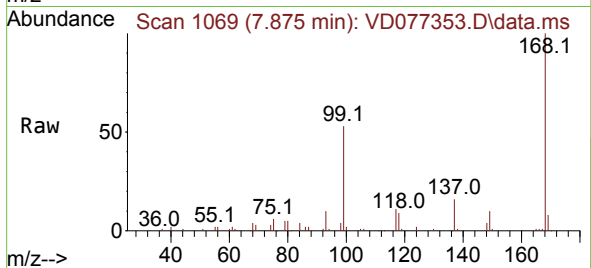
Tgt Ion: 43	Resp: 2033
Ion Ratio	Lower Upper
43	100
61	53.6 14.9 22.3#
70	0.0 10.0 15.0#



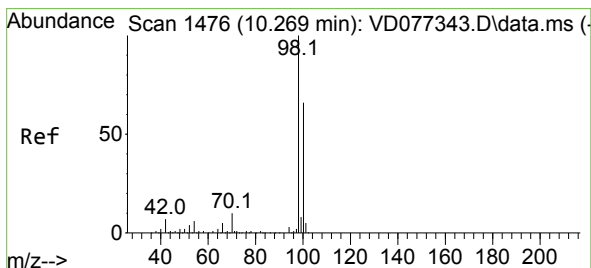
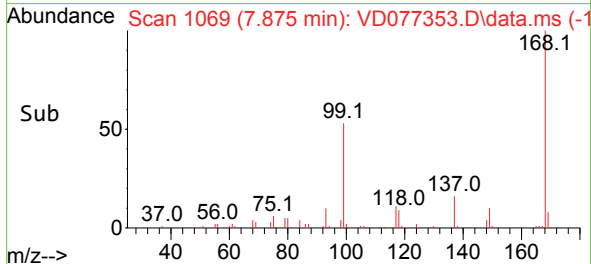
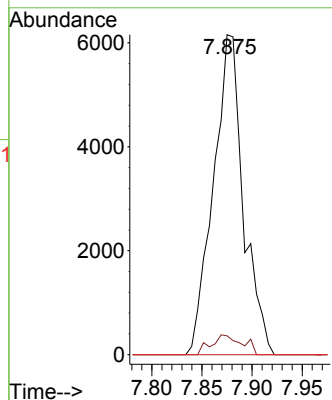


#38
Carbon Tetrachloride
Concen: 5.232 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :

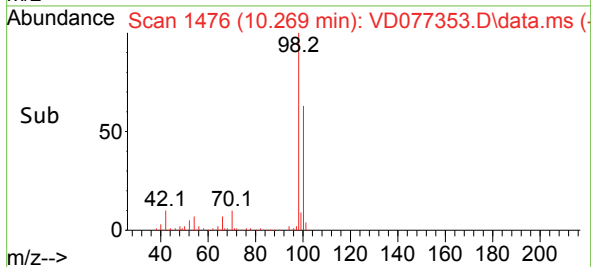
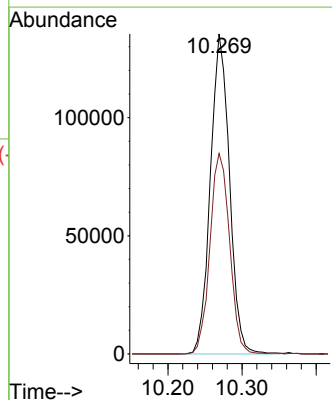
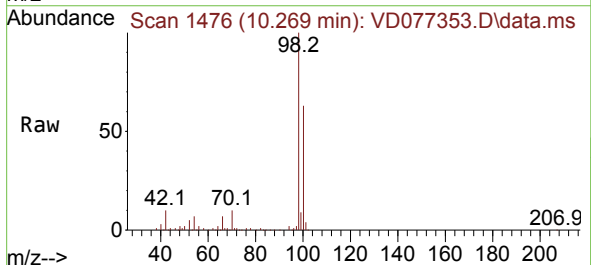


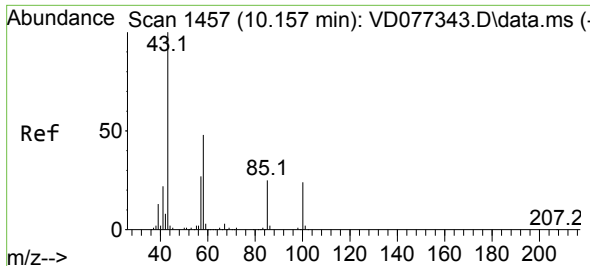
Tgt Ion:117 Resp: 12818
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 40.395 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion: 98 Resp: 242476
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5

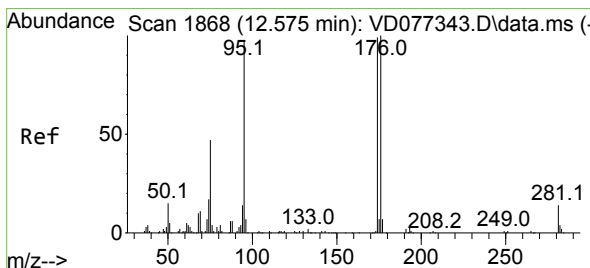
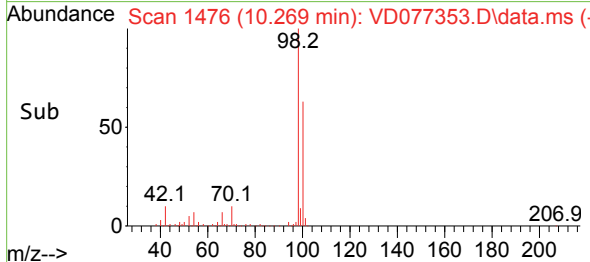
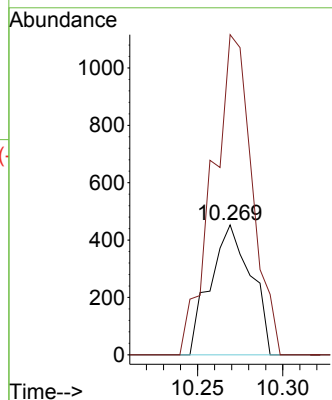
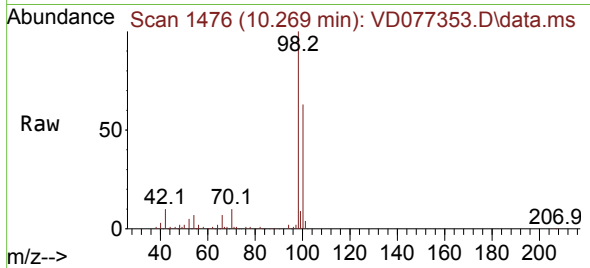




#51
4-Methyl-2-Pentanone
Concen: 1.211 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

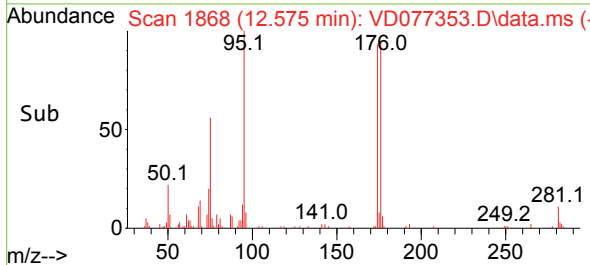
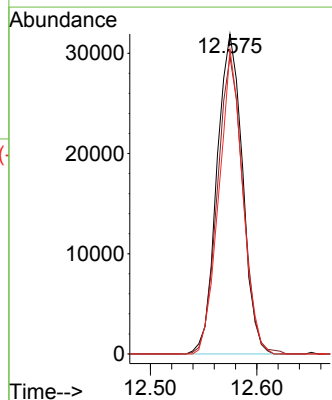
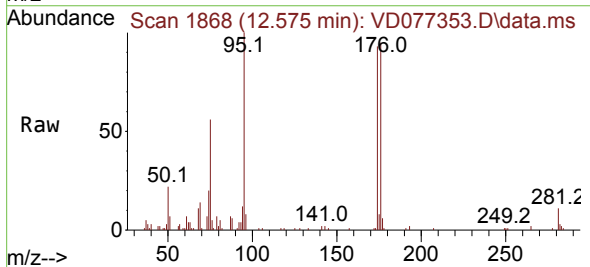
Instrument :
MSVOA_D
ClientSampleId :

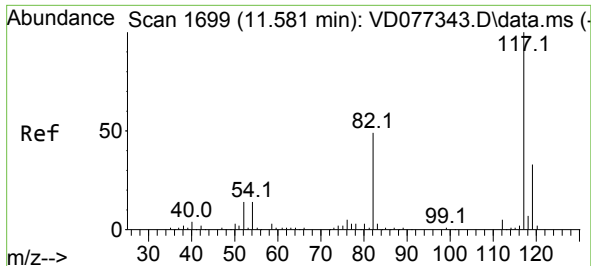
Tgt Ion: 43 Resp: 756
Ion Ratio Lower Upper
43 100
58 238.6 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 30.740 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

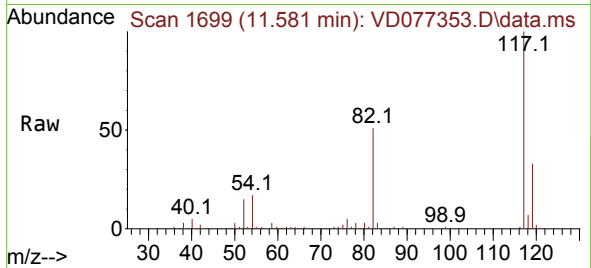
Tgt Ion: 95 Resp: 53117
Ion Ratio Lower Upper
95 100
174 92.8 0.0 201.8
176 88.1 0.0 191.8



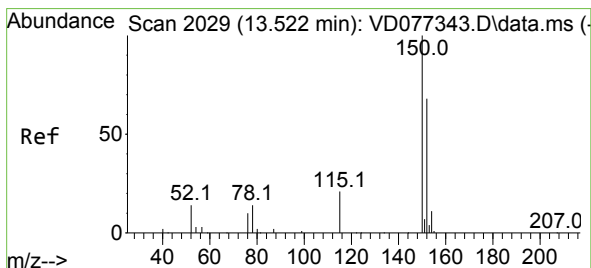
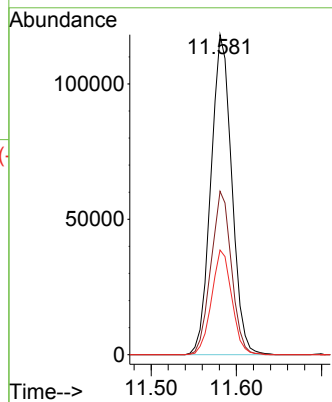
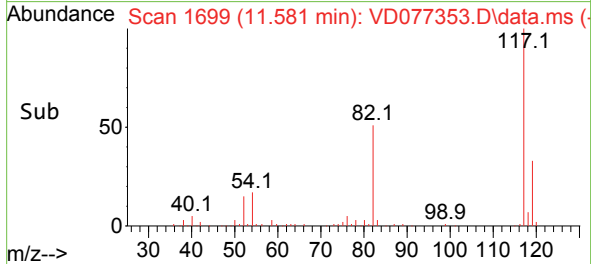


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

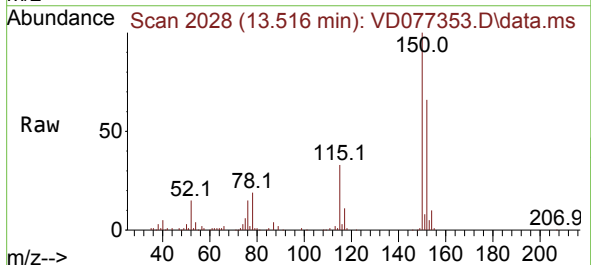
Instrument :
MSVOA_D
ClientSampleId :



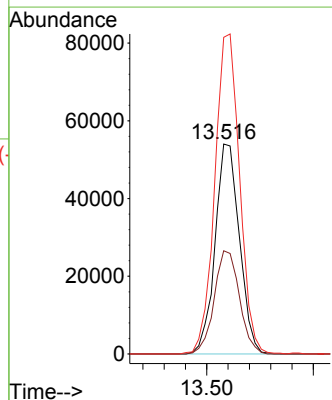
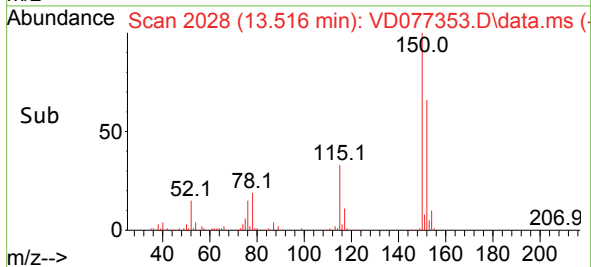
Tgt Ion:117 Resp: 200832
Ion Ratio Lower Upper
117 100
82 51.1 38.3 57.5
119 32.7 25.0 37.4

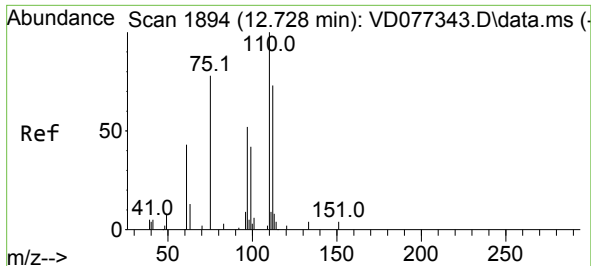


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34



Tgt Ion:152 Resp: 85672
Ion Ratio Lower Upper
152 100
115 50.9 27.1 81.3
150 155.4 0.0 353.6

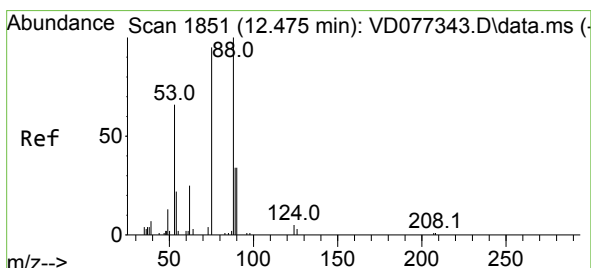
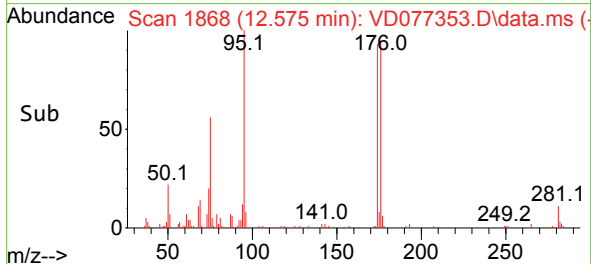
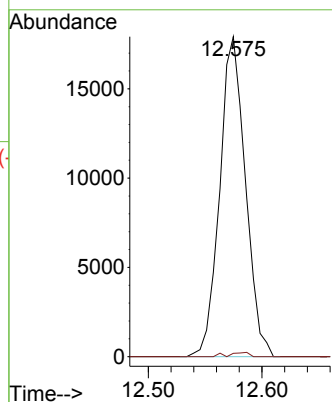
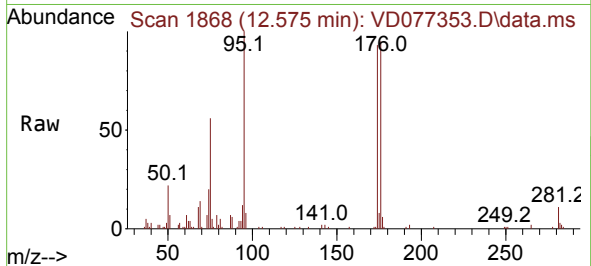




#76
1,2,3-Trichloropropane
Concen: 25.625 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 28161
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.078 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077353.D
Acq: 19 Oct 2023 14:34

Tgt Ion: 75 Resp: 28161
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.0 37.9 56.9#

