

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101923\
 Data File : VD077355.D
 Acq On : 19 Oct 2023 15:51
 Operator : JC/SY
 Sample : 04879-03
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 20 02:08:17 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	140109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	273629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	94584	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	71975	57.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.060%
35) Dibromofluoromethane	7.804	113	82334	42.830	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.660%
50) Toluene-d8	10.269	98	264502	38.419	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.840%
62) 4-Bromofluorobenzene	12.575	95	64404	32.498	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	65.000%

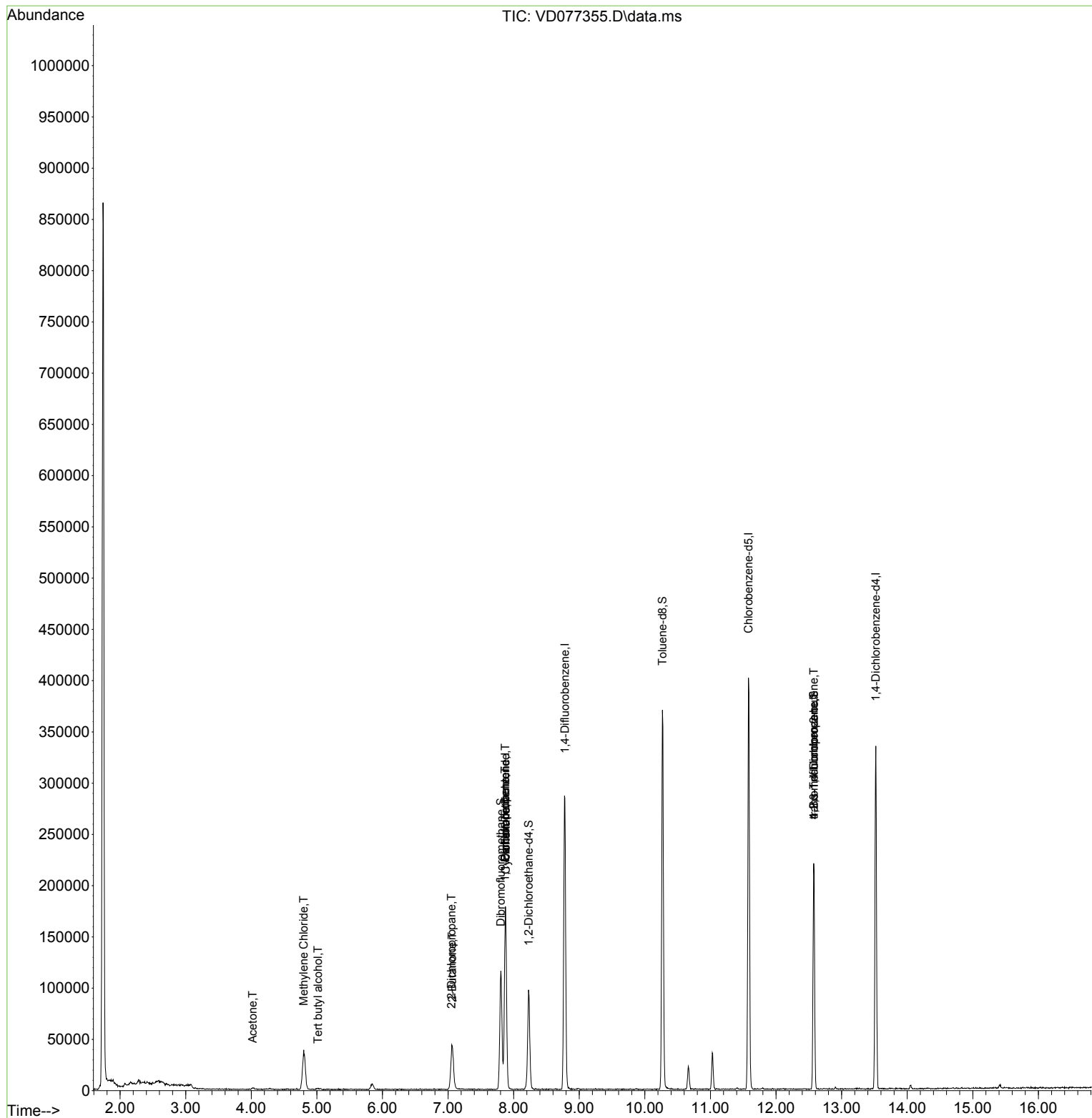
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.016	59	243	3.453	ug/l #	73
16) Acetone	4.022	43	2694	9.820	ug/l #	80
20) Methylene Chloride	4.799	84	30942	15.326	ug/l	91
25) 2-Butanone	7.063	43	1142	4.013	ug/l #	37
26) 2,2-Dichloropropane	7.052	77	3577	1.570	ug/l #	49
31) Cyclohexane	7.881	56	2956	1.519	ug/l #	31
36) 1,1-Dichloropropene	7.869	75	11651	4.613	ug/l #	42
38) Carbon Tetrachloride	7.875	117	13418	4.775	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	34370	28.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	34370	97.369	ug/l #	17

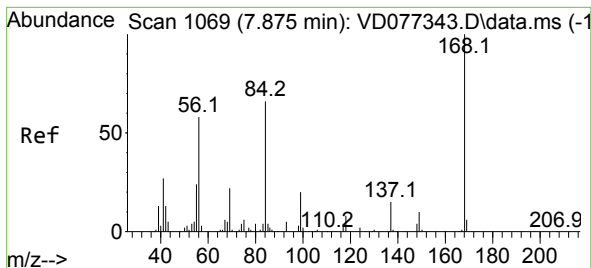
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077355.D

Acq: 19 Oct 2023 15:51

Instrument :

MSVOA_D

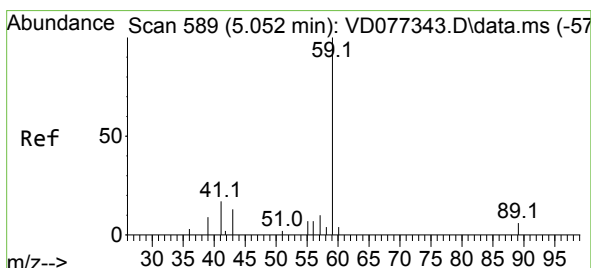
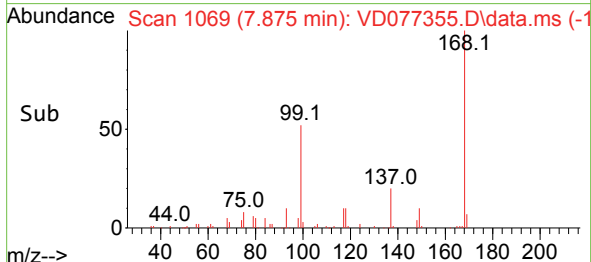
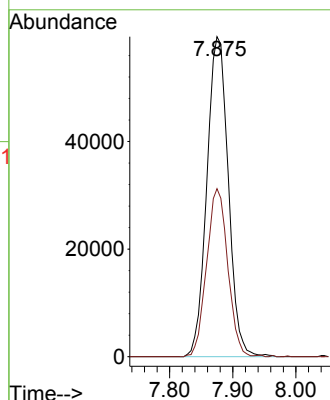
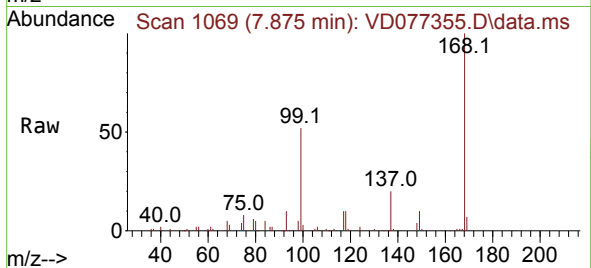
ClientSampleId :

Tgt Ion:168 Resp: 140109

Ion Ratio Lower Upper

168 100

99 52.5 36.7 55.1



#11

Tert butyl alcohol

Concen: 3.453 ug/l

RT: 5.016 min Scan# 583

Delta R.T. -0.036 min

Lab File: VD077355.D

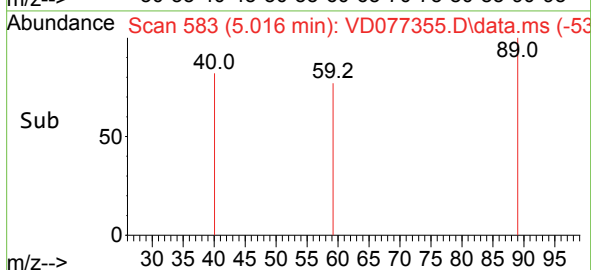
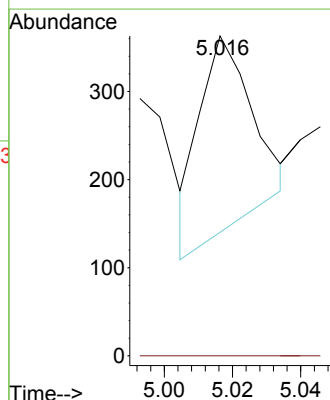
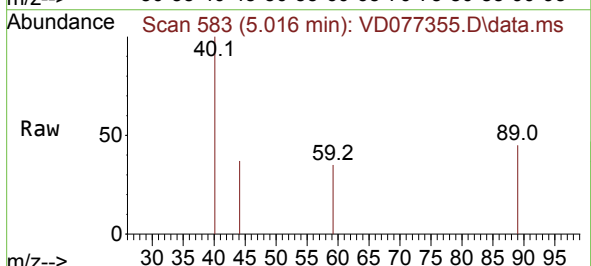
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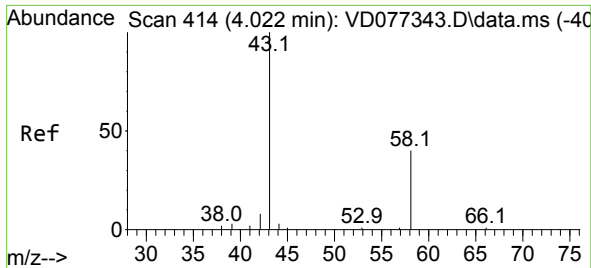
Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

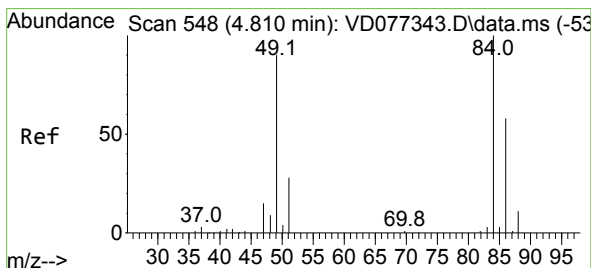
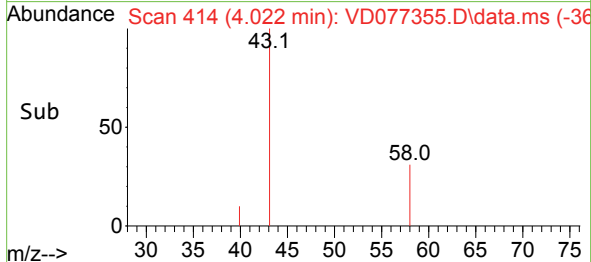
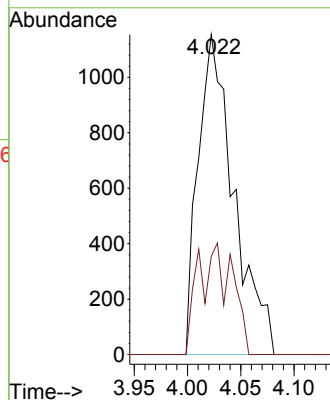
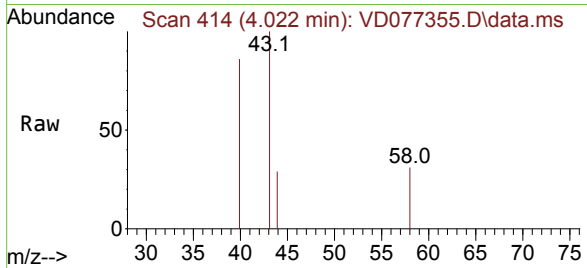




#16
Acetone
Concen: 9.820 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

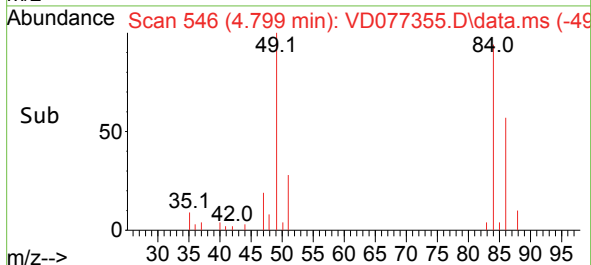
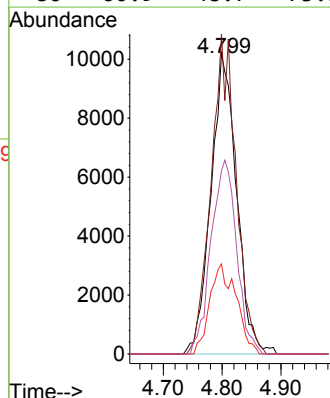
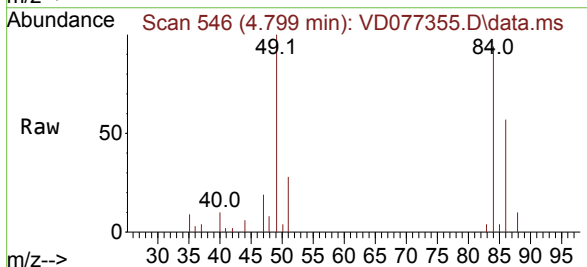
Instrument :
MSVOA_D
ClientSampleId :

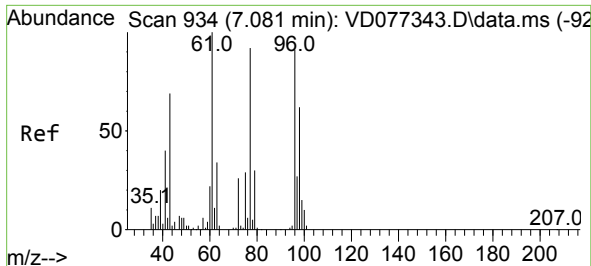
Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
58 30.7 34.7 52.1#



#20
Methylene Chloride
Concen: 15.326 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

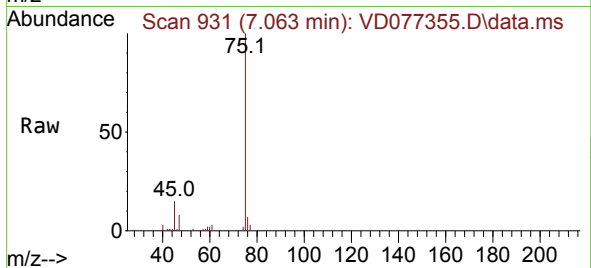
Tgt Ion: 84 Resp: 30942
Ion Ratio Lower Upper
84 100
49 106.4 71.4 107.2
51 30.0 24.5 36.7
86 60.9 48.7 73.1



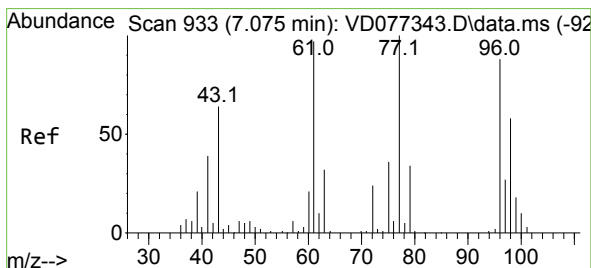
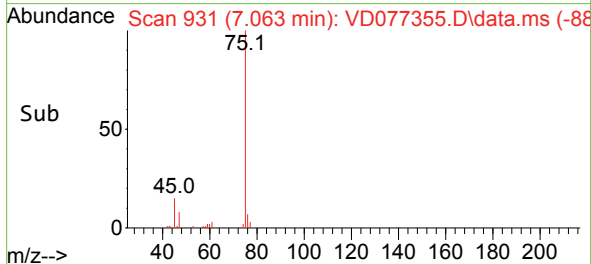
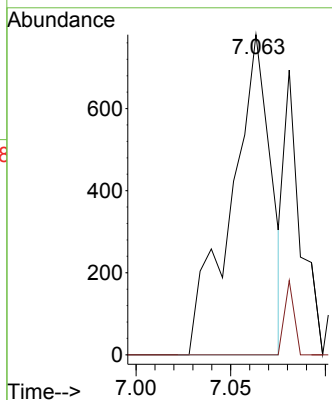


#25
2-Butanone
Concen: 4.013 ug/l
RT: 7.063 min Scan# 911
Delta R.T. -0.018 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

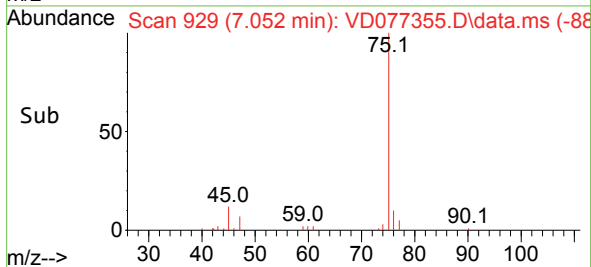
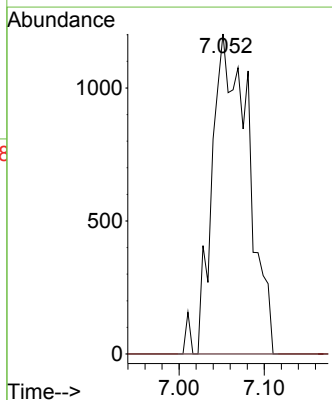
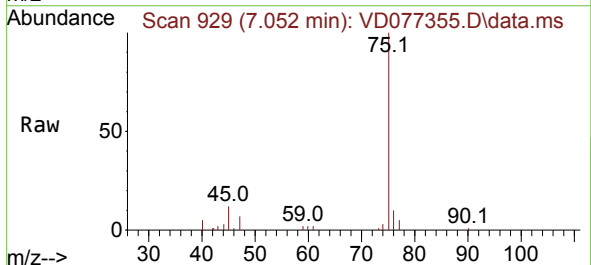


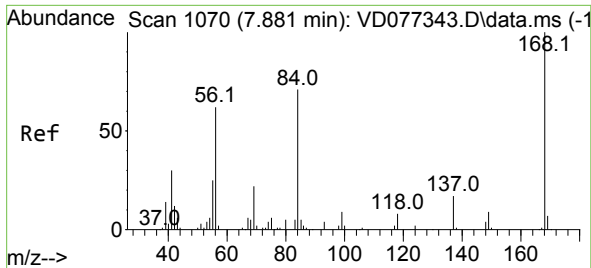
Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 1.570 ug/l
RT: 7.052 min Scan# 929
Delta R.T. -0.023 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

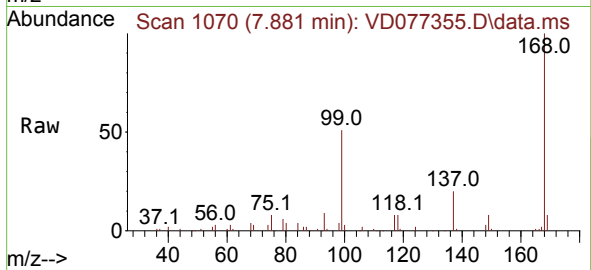
Tgt Ion: 77 Resp: 3577
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



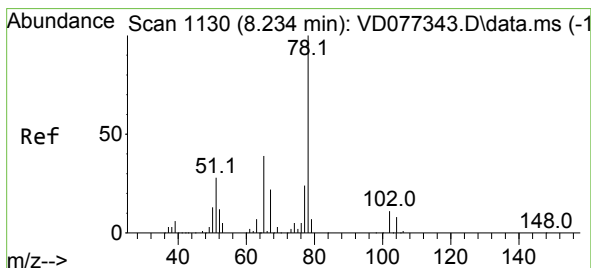
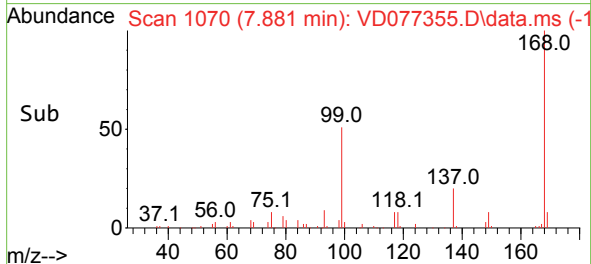
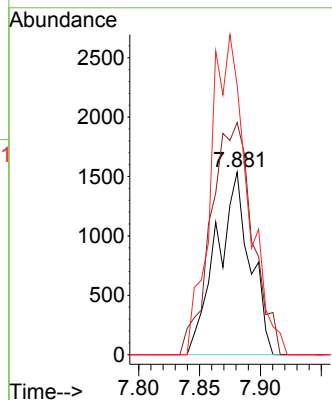


#31
Cyclohexane
Concen: 1.519 ug/l
RT: 7.881 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

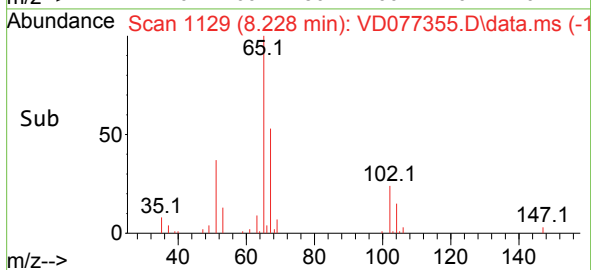
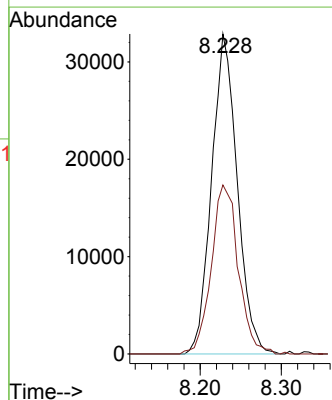
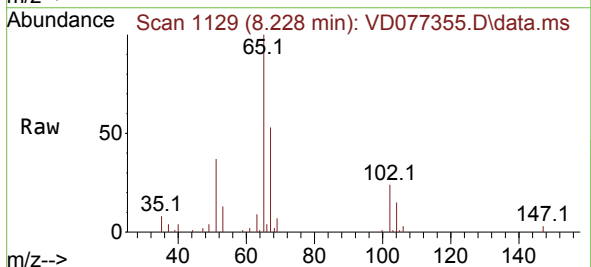


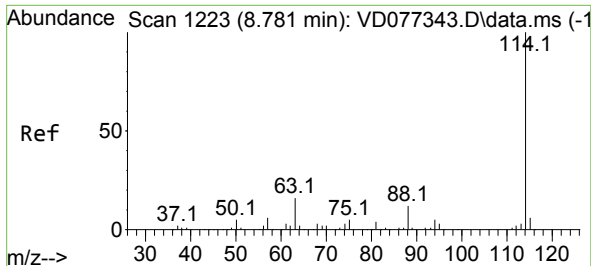
Tgt Ion: 56 Resp: 2956
Ion Ratio Lower Upper
56 100
69 127.1 28.6 43.0#
84 147.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 57.530 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Tgt Ion: 65 Resp: 71975
Ion Ratio Lower Upper
65 100
67 55.6 0.0 115.0

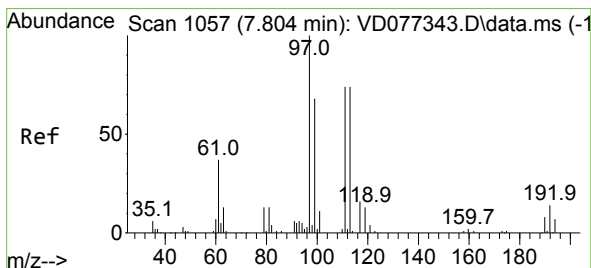
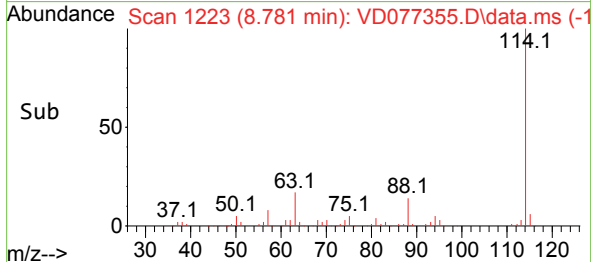
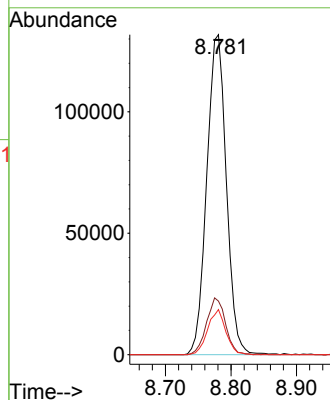
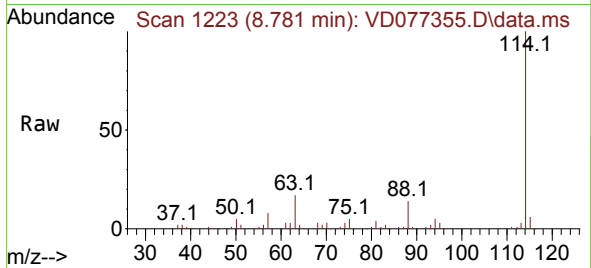




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

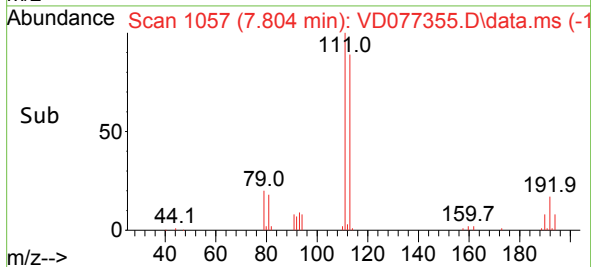
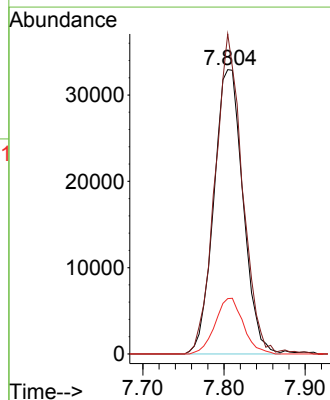
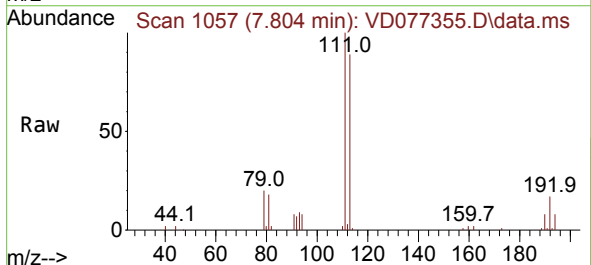
Instrument :
MSVOA_D
ClientSampleId :

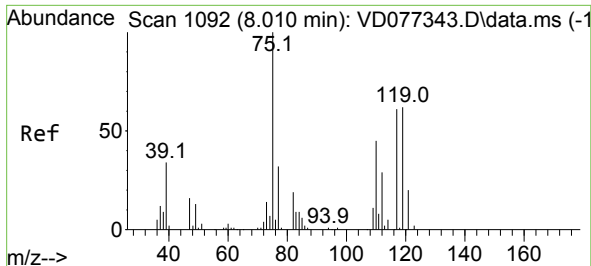
Tgt Ion:114 Resp: 273629
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.4
88 14.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 42.830 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Tgt Ion:113 Resp: 82334
Ion Ratio Lower Upper
113 100
111 105.4 84.7 127.1
192 18.9 16.8 25.2

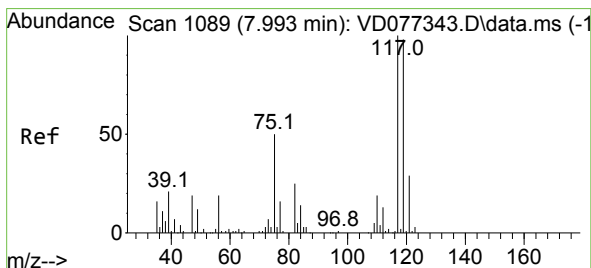
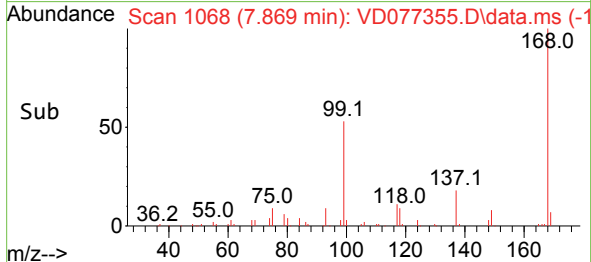
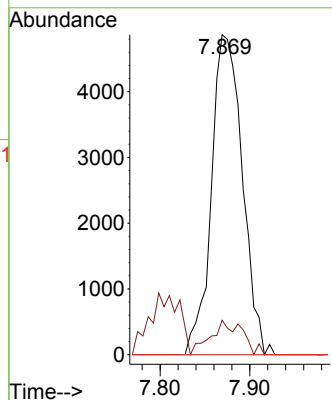
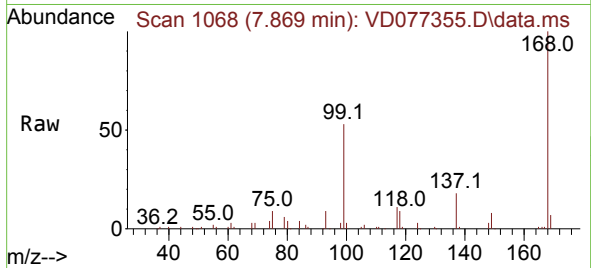




#36
1,1-Dichloropropene
Concen: 4.613 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

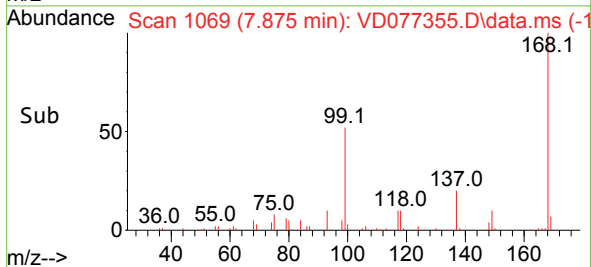
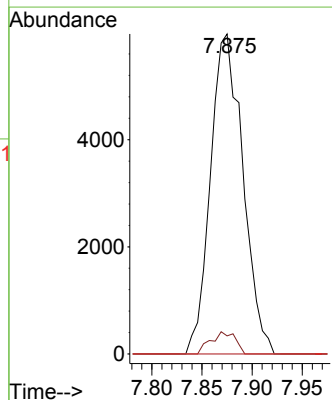
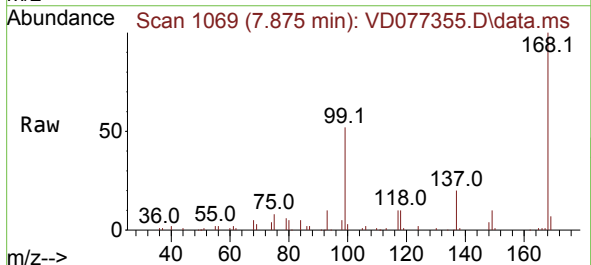
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ClientSampleId :

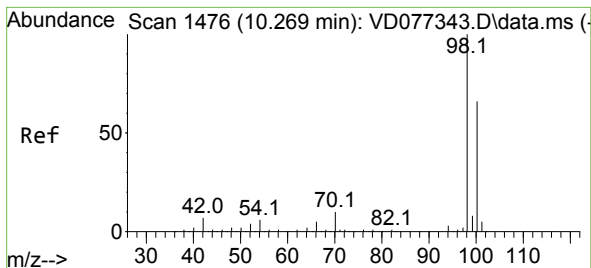
Tgt Ion: 75 Resp: 11651
Ion Ratio Lower Upper
75 100
110 3.2 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 4.775 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Tgt Ion: 117 Resp: 13418
Ion Ratio Lower Upper
117 100
119 5.7 78.0 117.0#
121 0.0 24.2 36.2#

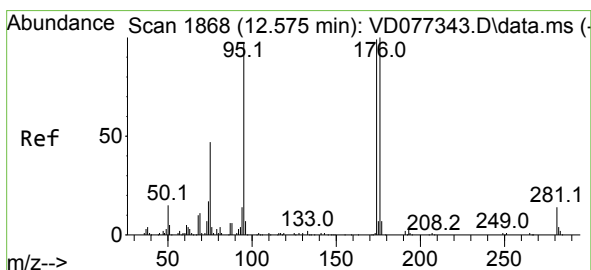
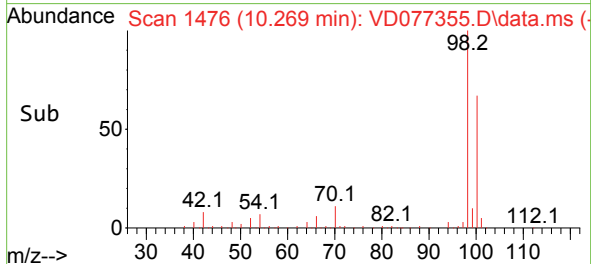
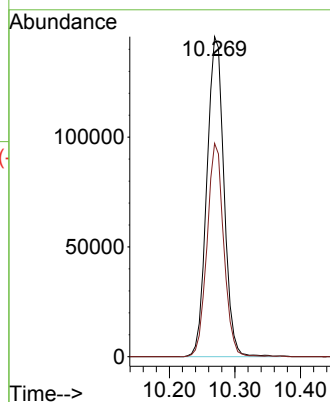
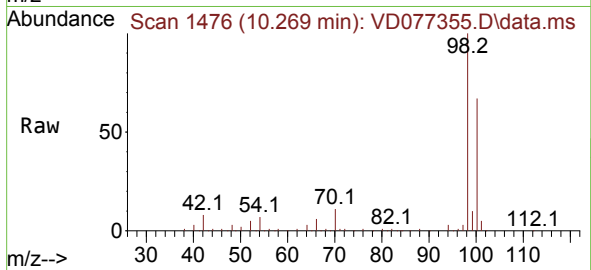




#50
Toluene-d8
Concen: 38.419 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

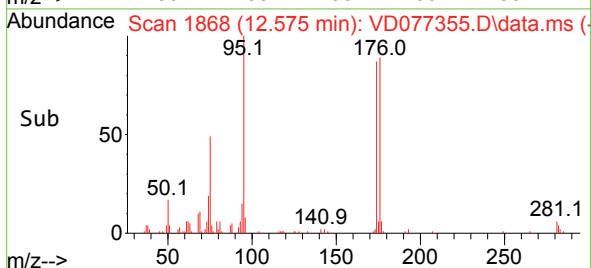
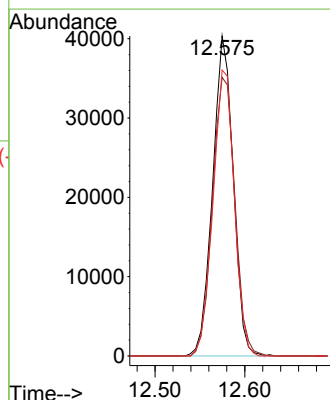
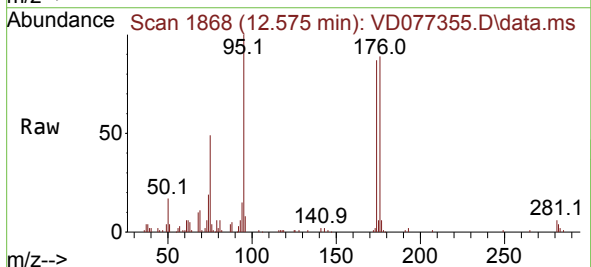
Instrument :
MSVOA_D
ClientSampleId :

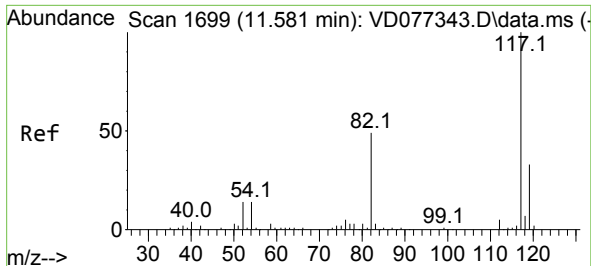
Tgt Ion: 98 Resp: 264502
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 32.498 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

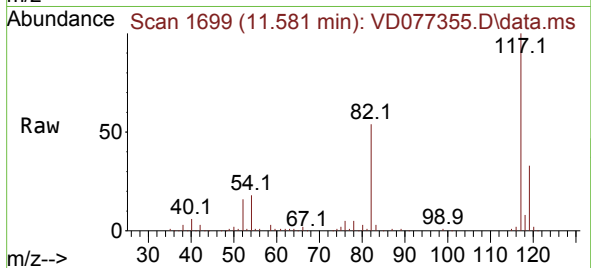
Tgt Ion: 95 Resp: 64404
Ion Ratio Lower Upper
95 100
174 94.6 0.0 201.8
176 92.2 0.0 191.8



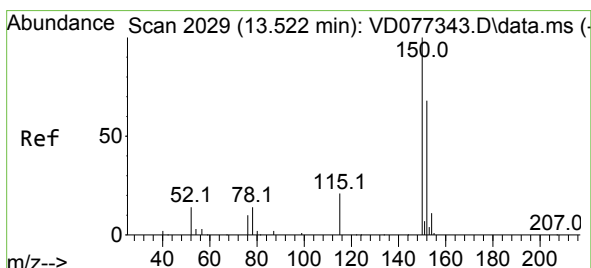
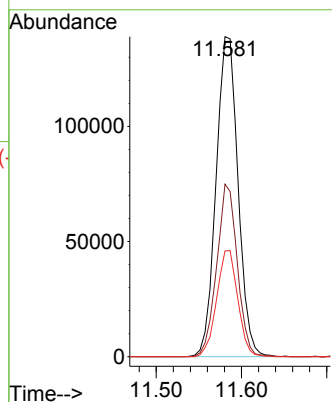
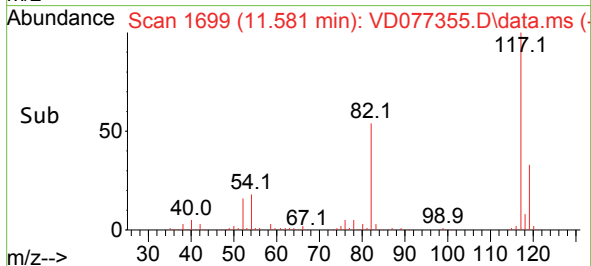


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

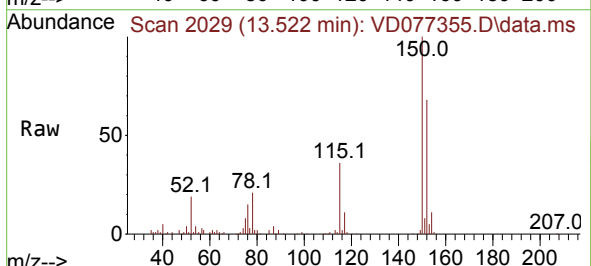
Instrument :
MSVOA_D
ClientSampleId :



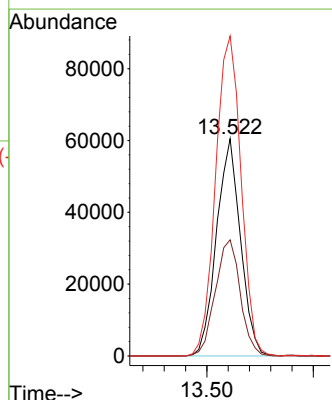
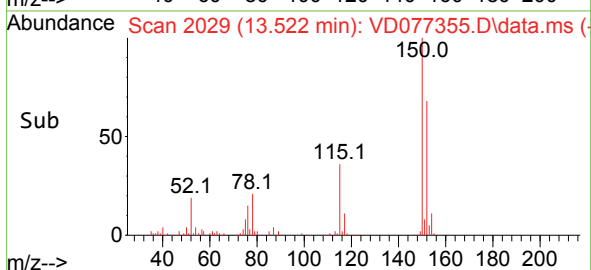
Tgt Ion:117 Resp: 248722
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 33.0 25.0 37.4

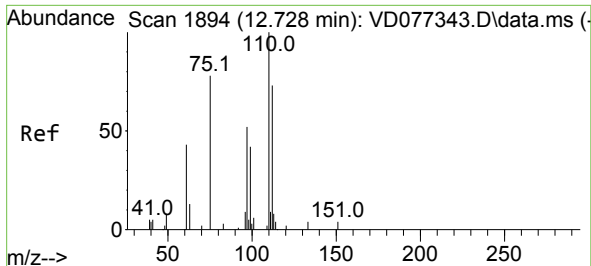


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51



Tgt Ion:152 Resp: 94584
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 156.2 0.0 353.6

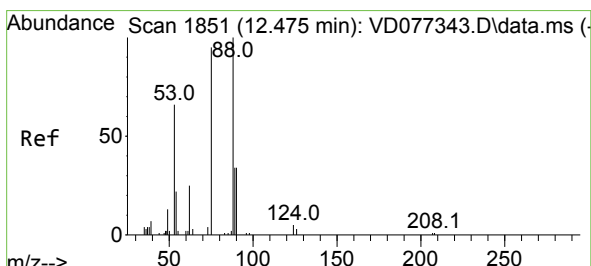
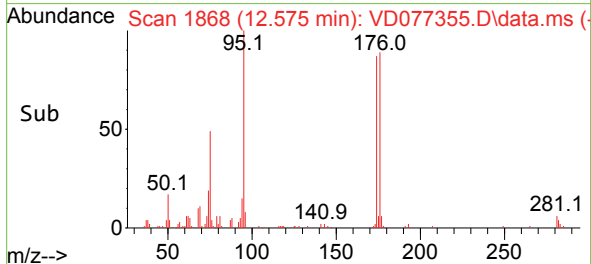
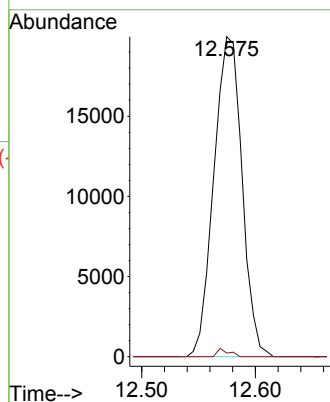
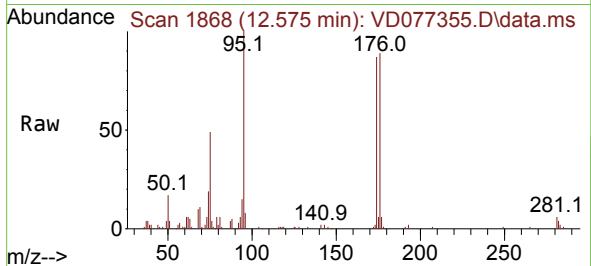




#76
1,2,3-Trichloropropane
Concen: 28.040 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 34370
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.369 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077355.D
Acq: 19 Oct 2023 15:51

Tgt Ion: 75 Resp: 34370
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

