

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102323\
 Data File : VD077383.D
 Acq On : 23 Oct 2023 16:09
 Operator : JC/SY
 Sample : 04976-02RE
 Misc : 5.40G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 23 23:41:17 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)

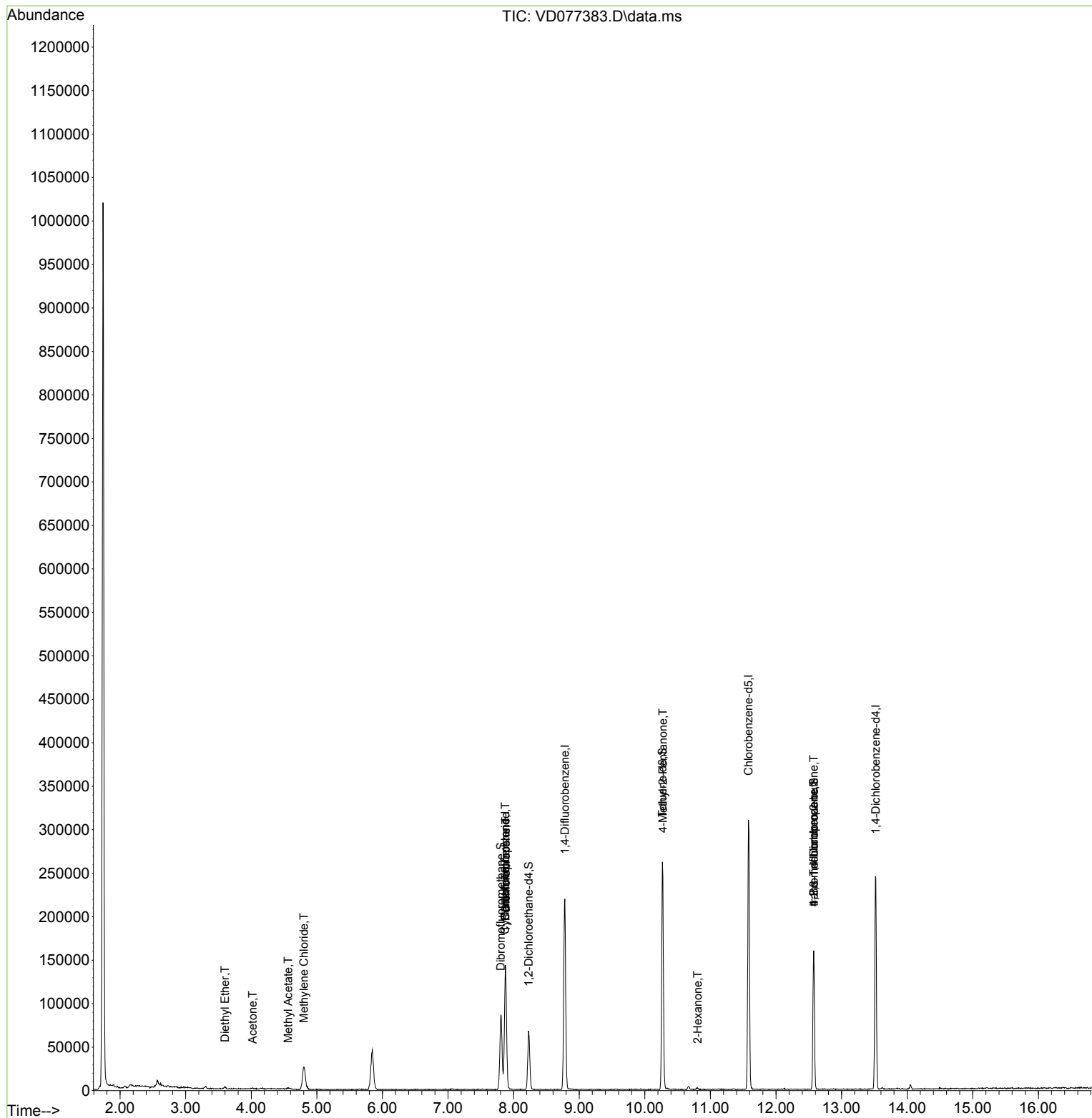
Internal Standards						
1) Pentafluorobenzene	7.875	168	111429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	211373	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	196814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	71631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	50909	51.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.340%	
35) Dibromofluoromethane	7.805	113	61912	41.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 83.380%	
50) Toluene-d8	10.269	98	188994	35.537	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 71.080%	
62) 4-Bromofluorobenzene	12.575	95	46805	30.574	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 61.140%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.599	74	1338	1.975	ug/l	94
16) Acetone	4.022	43	469	2.150	ug/l #	32
18) Methyl Acetate	4.564	43	2506	3.300	ug/l #	71
20) Methylene Chloride	4.805	84	21935	13.088	ug/l	92
31) Cyclohexane	7.869	56	2151	1.389	ug/l #	9
36) 1,1-Dichloropropene	7.881	75	9281	4.756	ug/l #	42
38) Carbon Tetrachloride	7.875	117	10476	4.826	ug/l #	16
51) 4-Methyl-2-Pentanone	10.275	43	563	1.018	ug/l #	1
59) 2-Hexanone	10.804	43	767	1.931	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	23631	25.708	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	23631	88.398	ug/l #	17

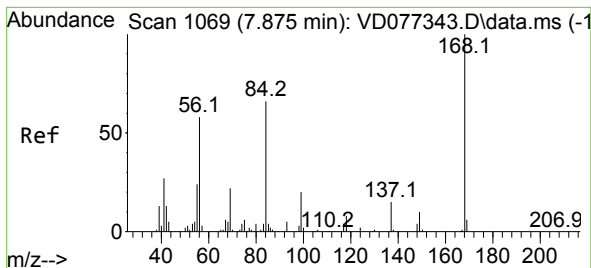
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1069

Delta R.T. 0.000 min

Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

Instrument :

MSVOA_D

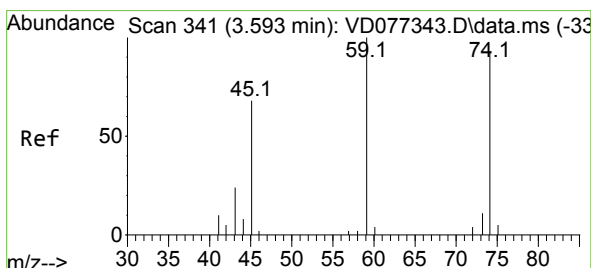
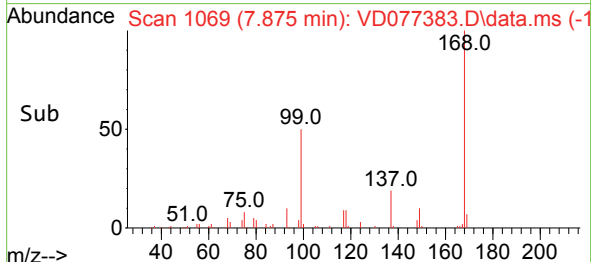
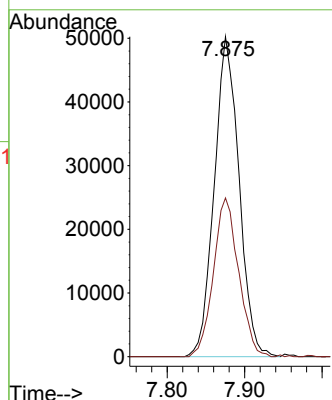
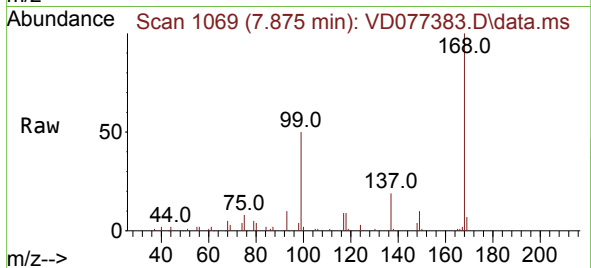
ClientSampleId :

Tgt Ion:168 Resp: 111429

Ion Ratio Lower Upper

168 100

99 49.6 36.7 55.1



#8

Diethyl Ether

Concen: 1.975 ug/l

RT: 3.599 min Scan# 342

Delta R.T. 0.006 min

Lab File: VD077383.D

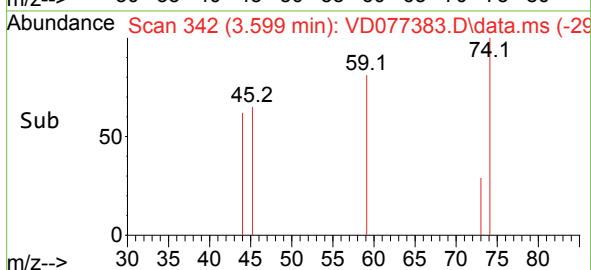
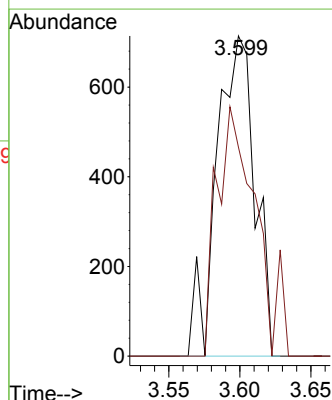
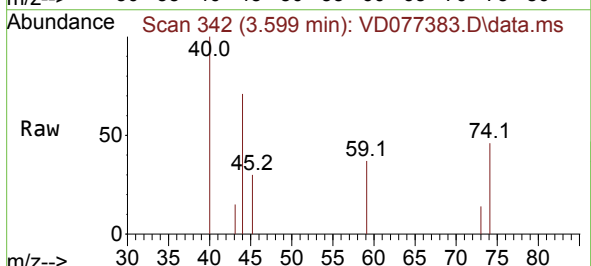
Acq: 23 Oct 2023 16:09

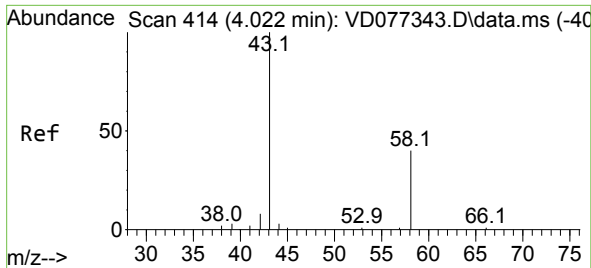
Tgt Ion: 74 Resp: 1338

Ion Ratio Lower Upper

74 100

45 80.2 37.5 112.7

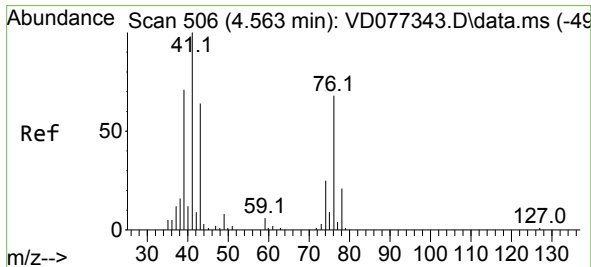
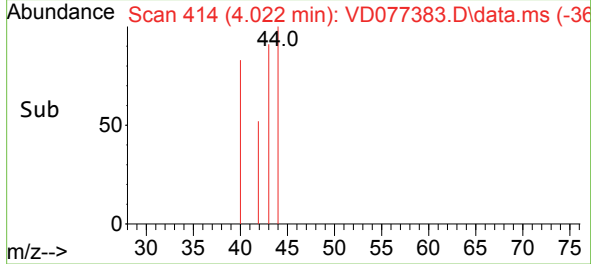
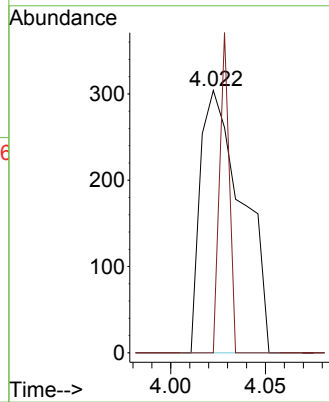
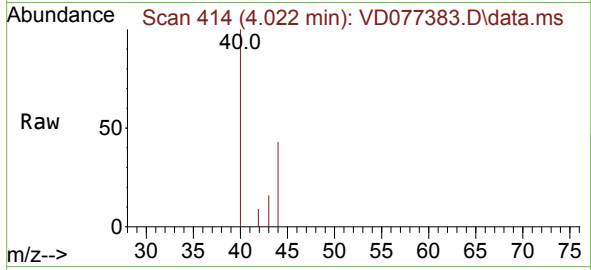




#16
Acetone
Concen: 2.150 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

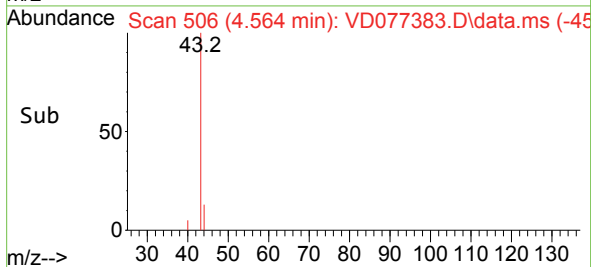
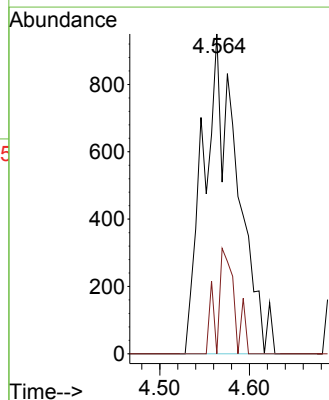
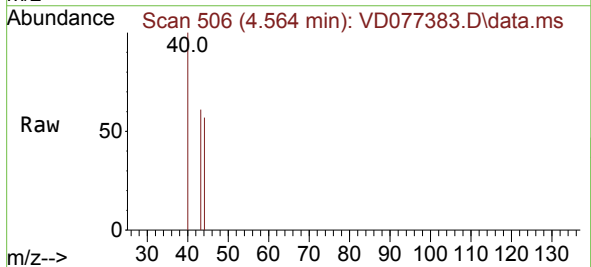
Instrument :
MSVOA_D
ClientSampleId :

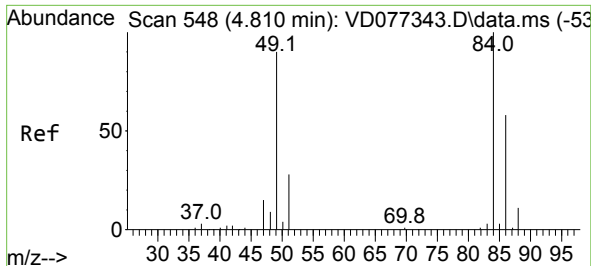
Tgt Ion: 43 Resp: 469
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#18
Methyl Acetate
Concen: 3.300 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

Tgt Ion: 43 Resp: 2506
Ion Ratio Lower Upper
43 100
74 16.9 26.4 39.6#





#20

Methylene Chloride

Concen: 13.088 ug/l

RT: 4.805 min Scan# 54

Delta R.T. -0.005 min

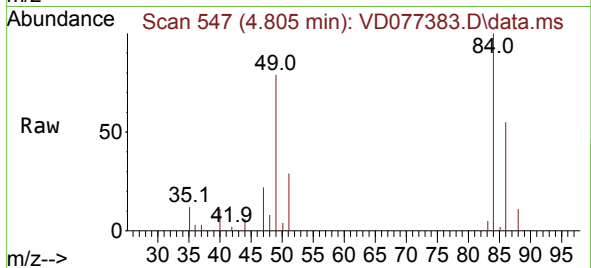
Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 21935

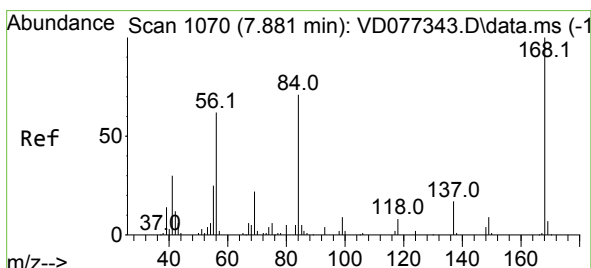
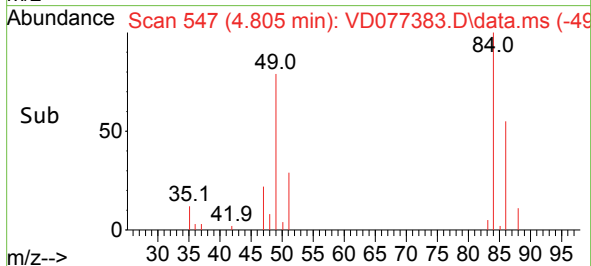
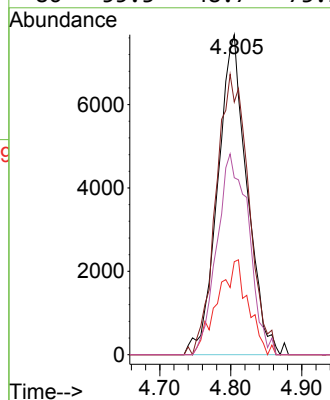
Ion Ratio Lower Upper

84 100

49 79.0 71.4 107.2

51 29.0 24.5 36.7

86 55.3 48.7 73.1



#31

Cyclohexane

Concen: 1.389 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

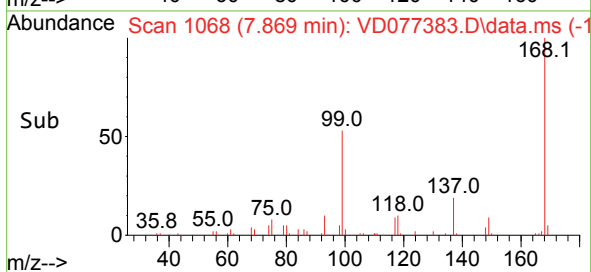
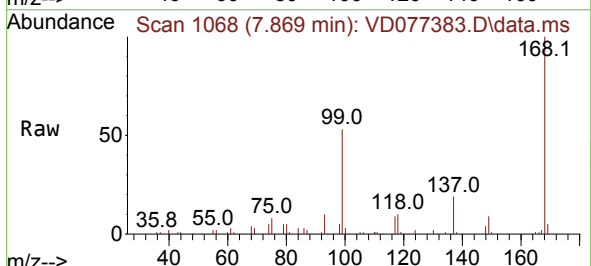
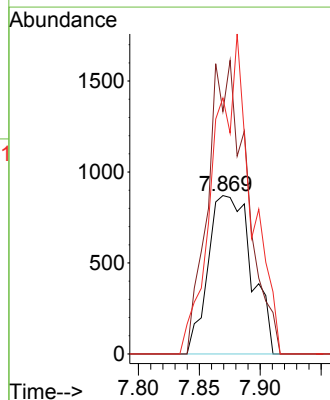
Tgt Ion: 56 Resp: 2151

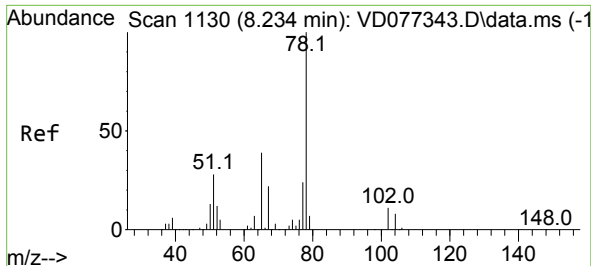
Ion Ratio Lower Upper

56 100

69 152.9 28.6 43.0#

84 161.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.165 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

Instrument :

MSVOA_D

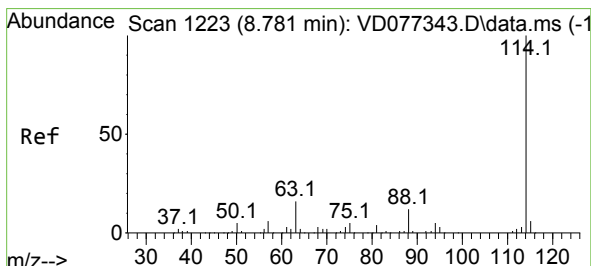
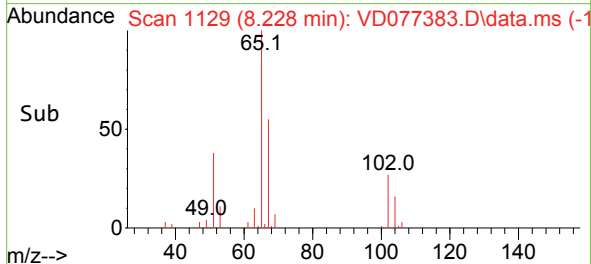
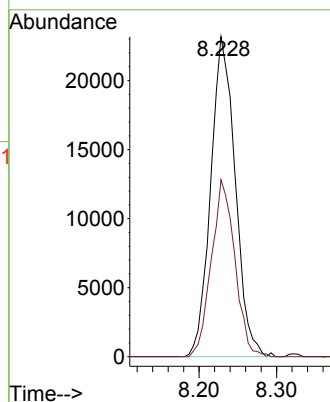
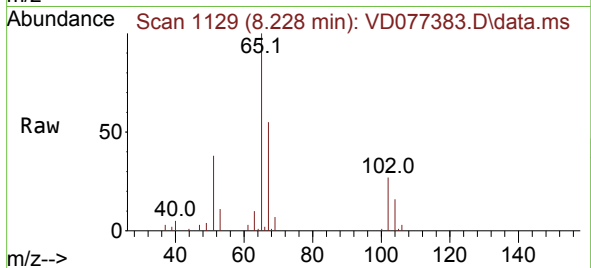
ClientSampleId :

Tgt Ion: 65 Resp: 50909

Ion Ratio Lower Upper

65 100

67 53.0 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: VD077383.D

Acq: 23 Oct 2023 16:09

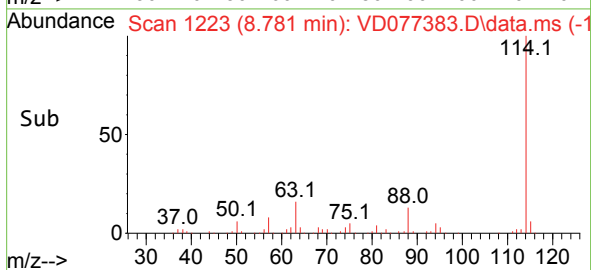
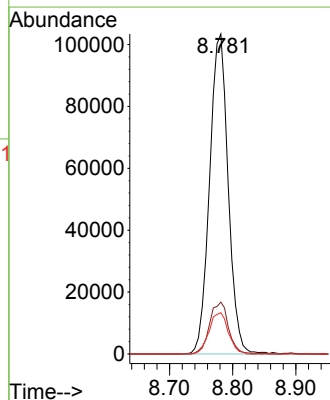
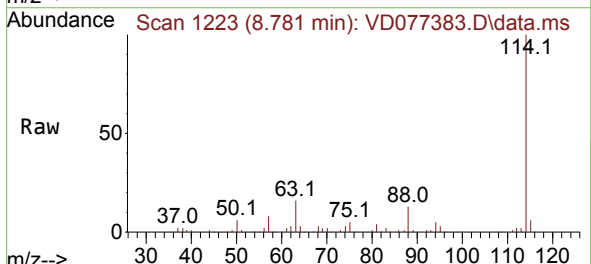
Tgt Ion: 114 Resp: 211373

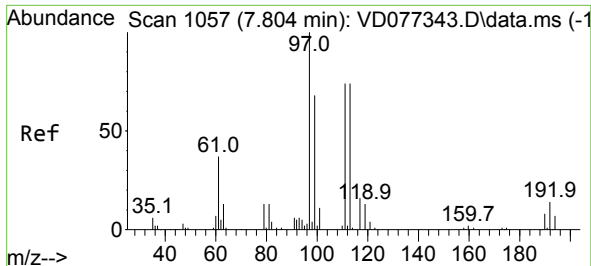
Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

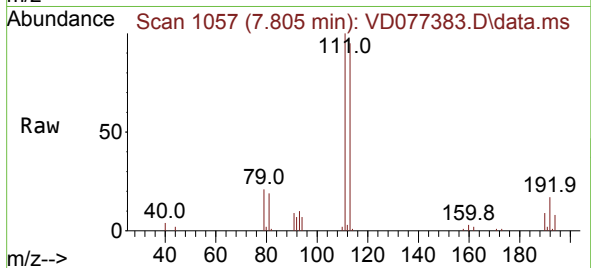
88 12.9 0.0 26.2



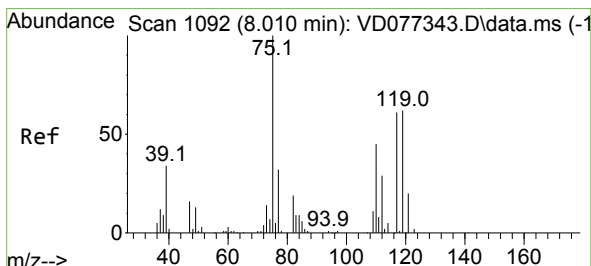
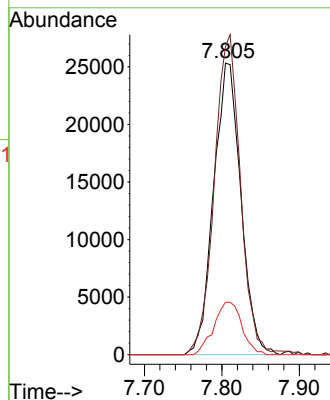
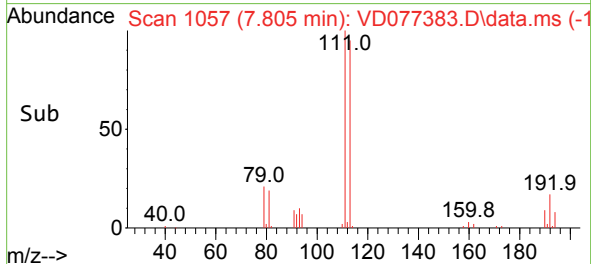


#35
Dibromofluoromethane
Concen: 41.692 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

Instrument :
MSVOA_D
ClientSampleId :

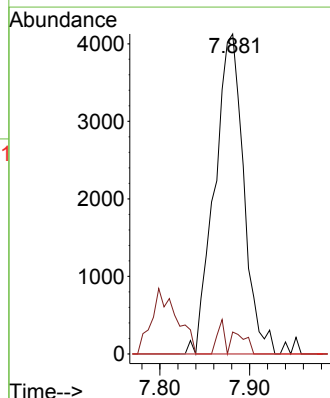
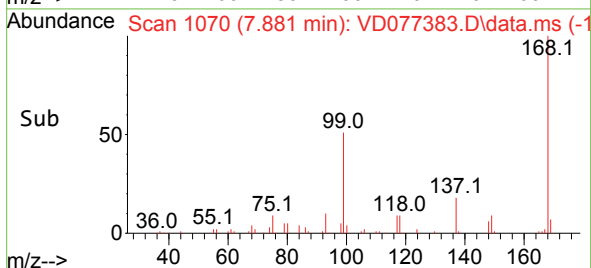
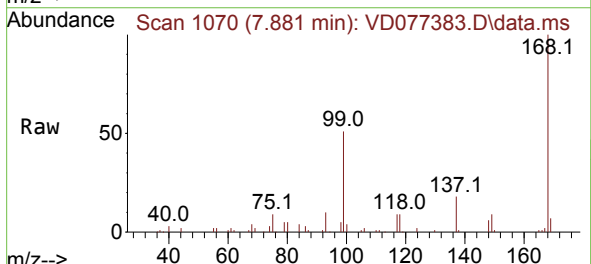


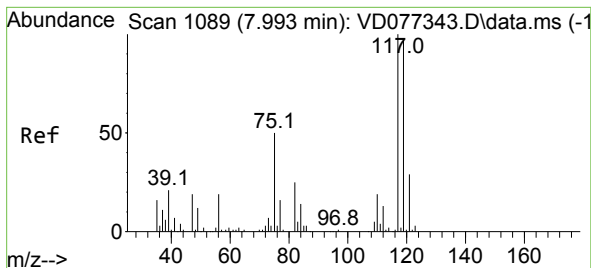
Tgt Ion:113 Resp: 61912
Ion Ratio Lower Upper
113 100
111 104.9 84.7 127.1
192 18.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.129 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

Tgt Ion: 75 Resp: 9281
Ion Ratio Lower Upper
75 100
110 3.6 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.826 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.118 min

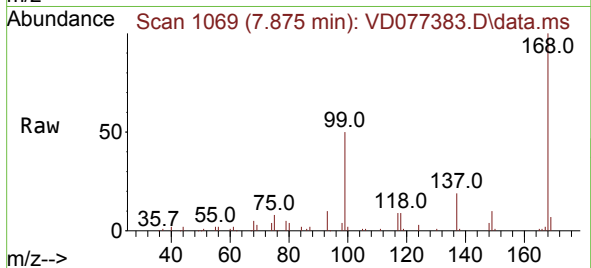
Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

Instrument :

MSVOA_D

ClientSampleId :



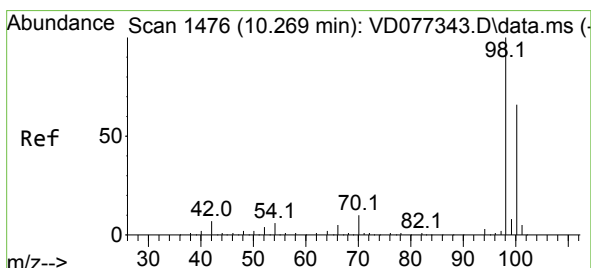
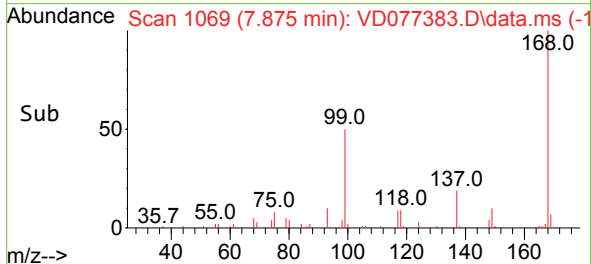
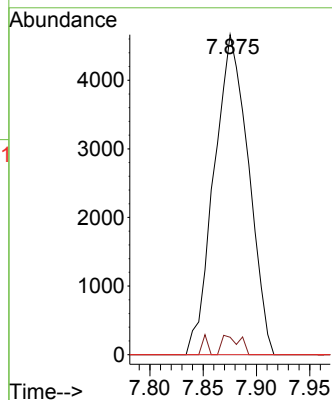
Tgt Ion:117 Resp: 10476

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 35.537 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077383.D

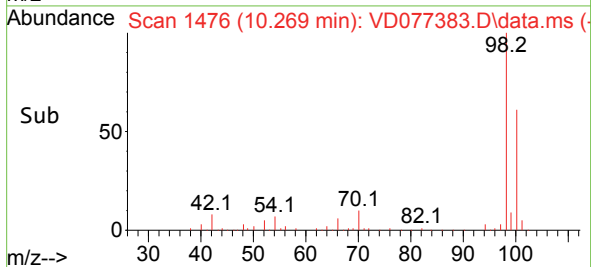
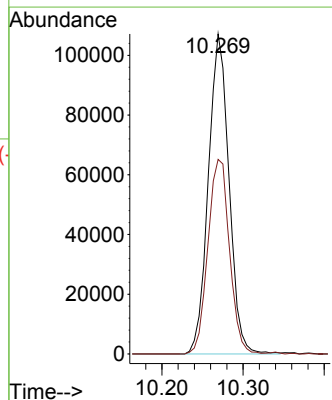
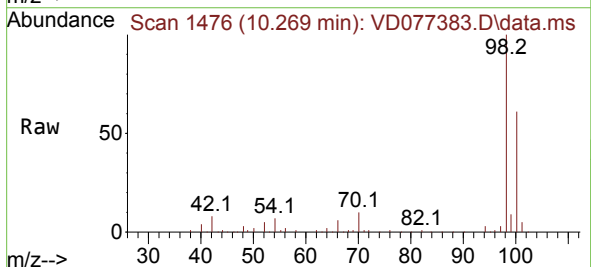
Acq: 23 Oct 2023 16:09

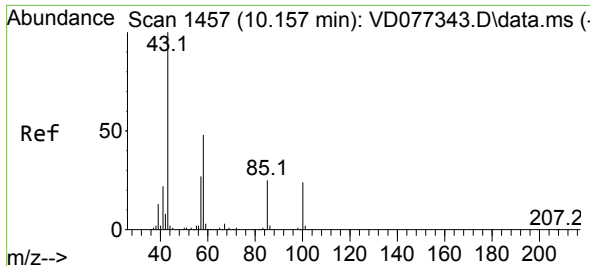
Tgt Ion: 98 Resp: 188994

Ion Ratio Lower Upper

98 100

100 63.4 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.018 ug/l

RT: 10.275 min Scan# 14

Delta R.T. 0.118 min

Lab File: VD077383.D

Acq: 23 Oct 2023 16:09

Instrument :

MSVOA_D

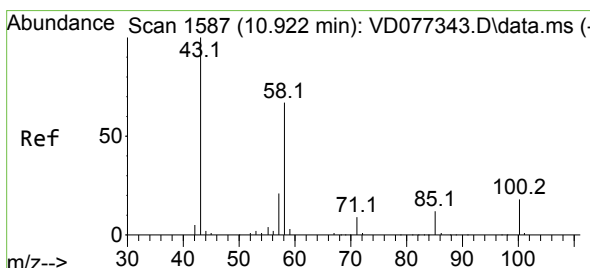
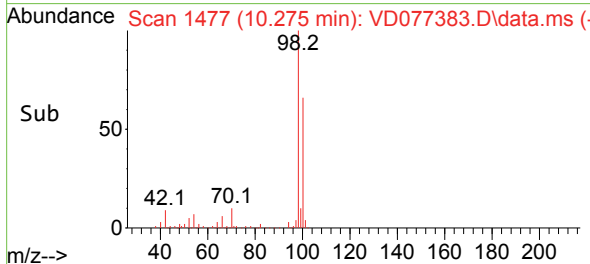
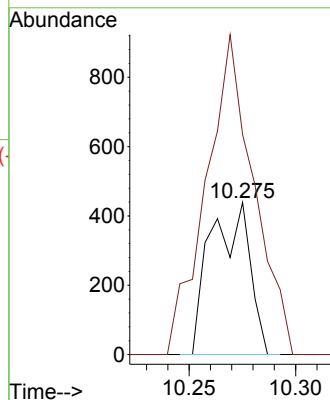
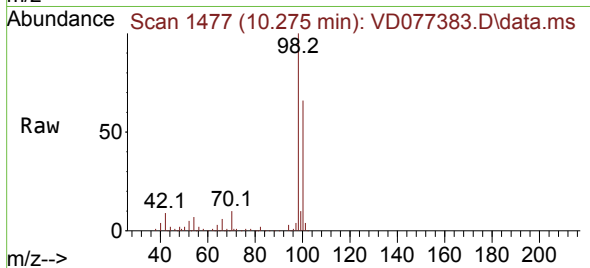
ClientSampleId :

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

58 255.2 38.9 58.3#



#59

2-Hexanone

Concen: 1.931 ug/l

RT: 10.804 min Scan# 1567

Delta R.T. -0.118 min

Lab File: VD077383.D

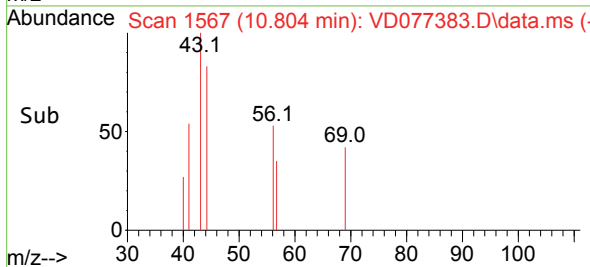
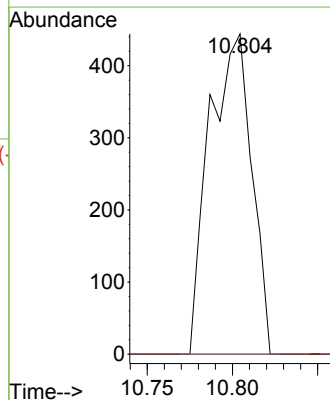
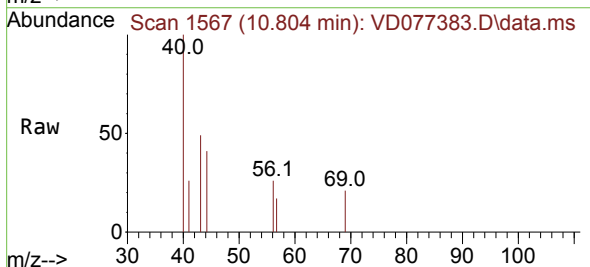
Acq: 23 Oct 2023 16:09

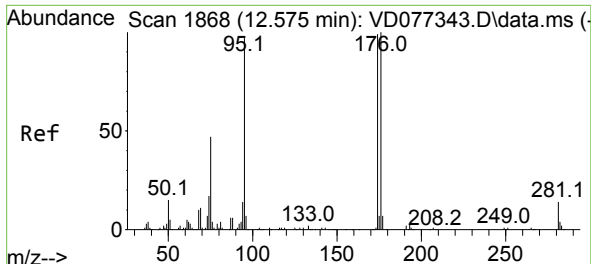
Tgt Ion: 43 Resp: 767

Ion Ratio Lower Upper

43 100

58 0.0 34.1 102.2#

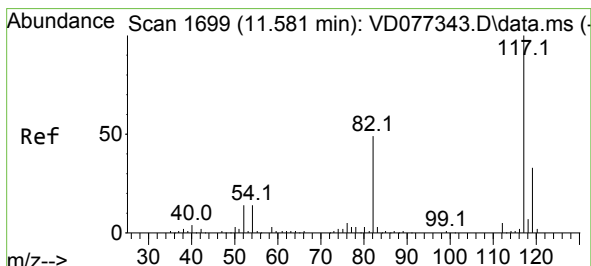
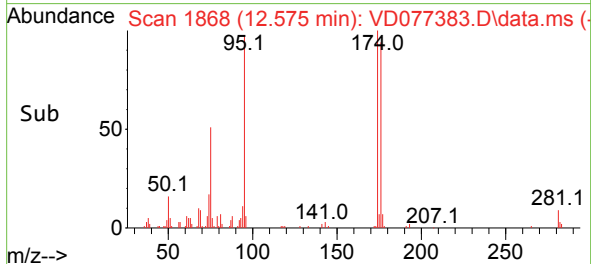
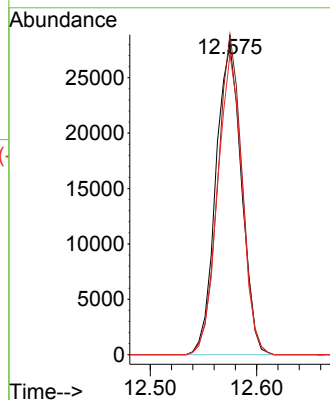
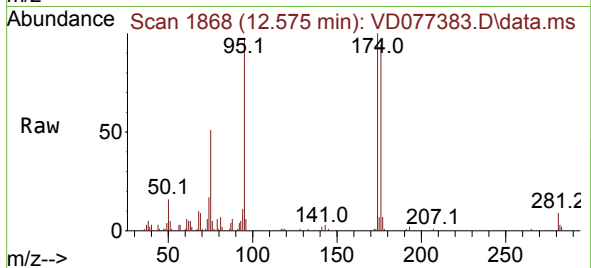




#62
4-Bromofluorobenzene
Concen: 30.574 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

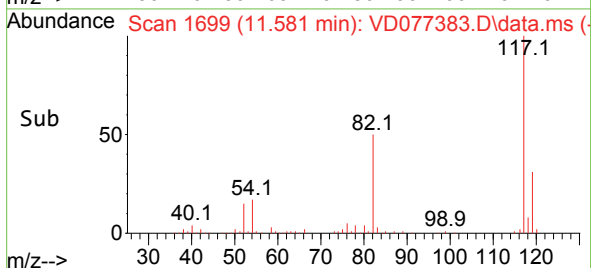
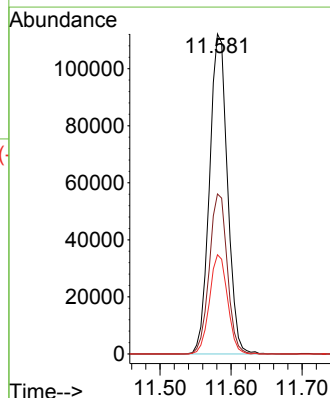
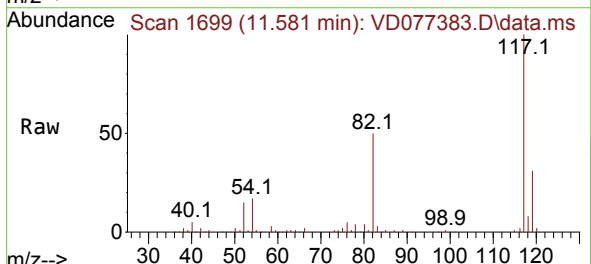
Instrument :
MSVOA_D
ClientSampleId :

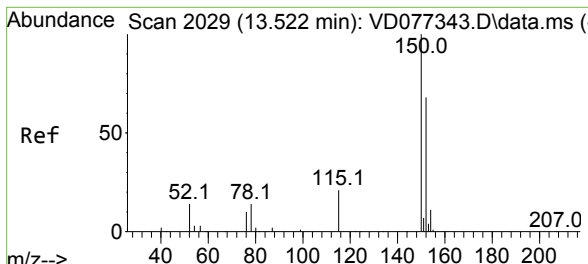
Tgt Ion: 95 Resp: 46805
Ion Ratio Lower Upper
95 100
174 97.8 0.0 201.8
176 92.6 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077383.D
Acq: 23 Oct 2023 16:09

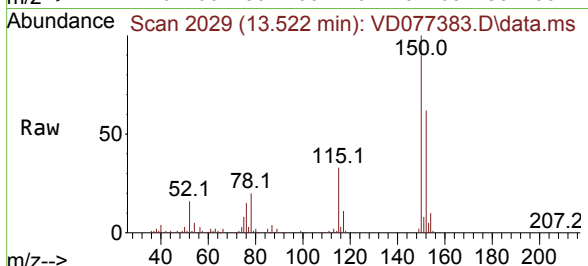
Tgt Ion: 117 Resp: 196814
Ion Ratio Lower Upper
117 100
82 50.0 38.3 57.5
119 31.0 25.0 37.4



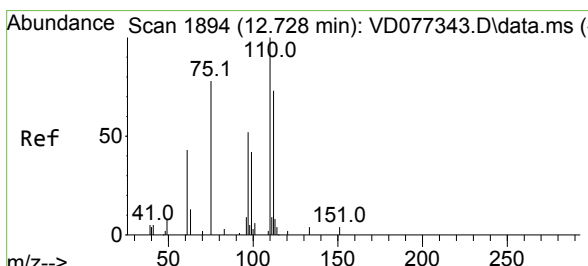
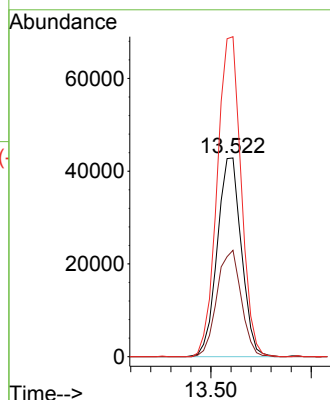
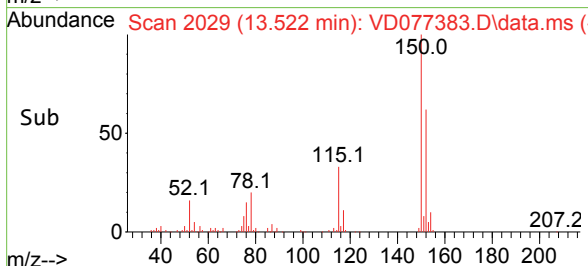


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD077383.D
 Acq: 23 Oct 2023 16:09

Instrument :
 MSVOA_D
 ClientSampleId :

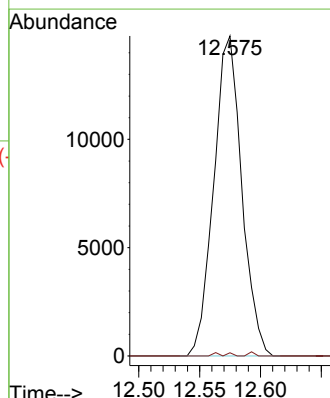
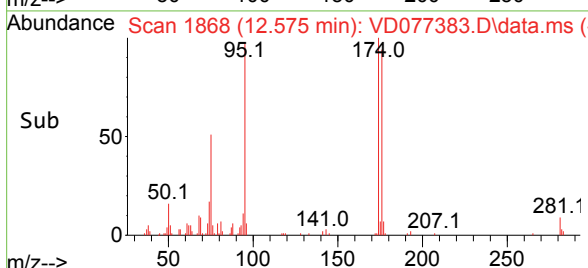
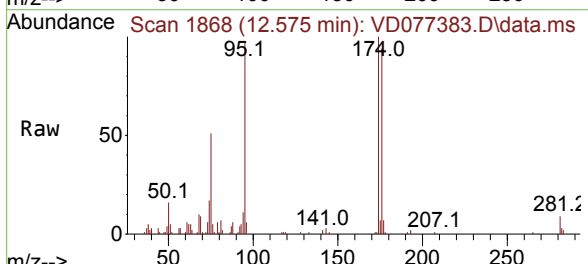


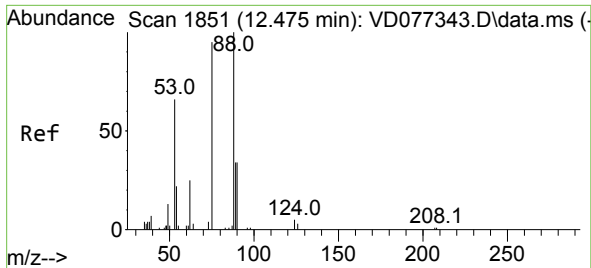
Tgt Ion:152 Resp: 71631
 Ion Ratio Lower Upper
 152 100
 115 53.9 27.1 81.3
 150 159.5 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 25.708 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077383.D
 Acq: 23 Oct 2023 16:09

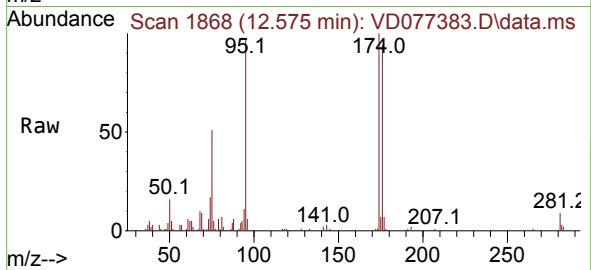
Tgt Ion: 75 Resp: 23631
 Ion Ratio Lower Upper
 75 100
 77 0.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.398 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077383.D
 Acq: 23 Oct 2023 16:09

Instrument :
 MSVOA_D
 ClientSampleId :



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

