

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102023\
 Data File : VD077371.D
 Acq On : 20 Oct 2023 18:13
 Operator : JC/SY
 Sample : 04980-01
 Misc : 2.75G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 21 05:31:57 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)

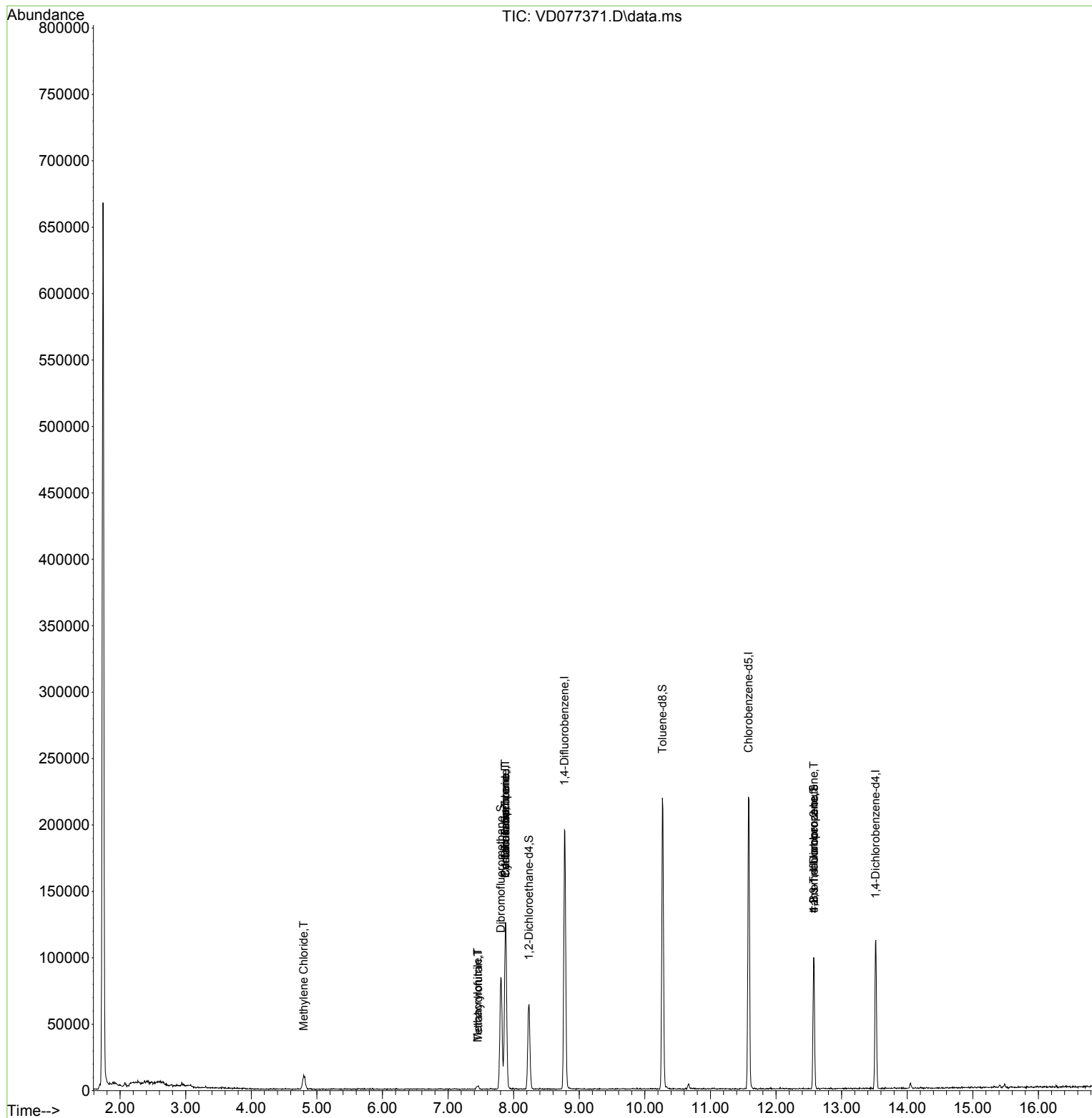
Internal Standards						
1) Pentafluorobenzene	7.875	168	100074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	187057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	140804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	33259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50713	56.751	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.500%
35) Dibromofluoromethane	7.804	113	61540	46.828	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.660%
50) Toluene-d8	10.269	98	161453	34.305	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	68.600%
62) 4-Bromofluorobenzene	12.575	95	28862	21.304	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	42.600%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.799	84	8402	2.558	ug/l #	90
29) Tetrahydrofuran	7.457	42	1865	15.905	ug/l #	45
31) Cyclohexane	7.875	56	2437	1.753	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	8648	5.008	ug/l #	44
38) Carbon Tetrachloride	7.875	117	9896	5.152	ug/l #	15
41) Methacrylonitrile	7.451	41	947	3.658	ug/l #	27
76) 1,2,3-Trichloropropane	12.575	75	15354	34.882	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	15354	123.701	ug/l #	17

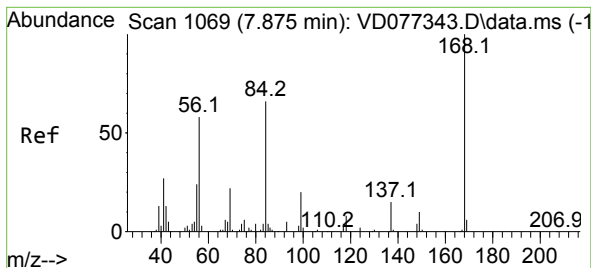
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1069

Delta R.T. -0.000 min

Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

Instrument :

MSVOA_D

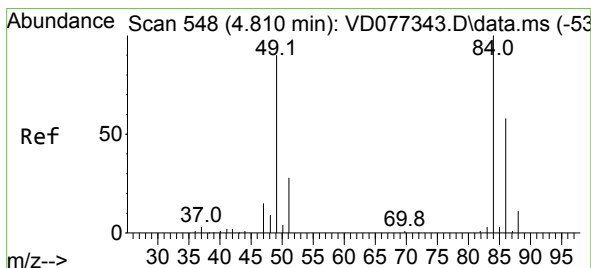
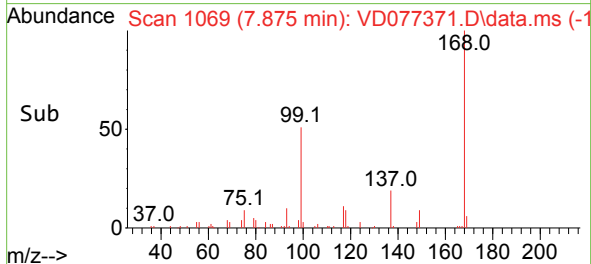
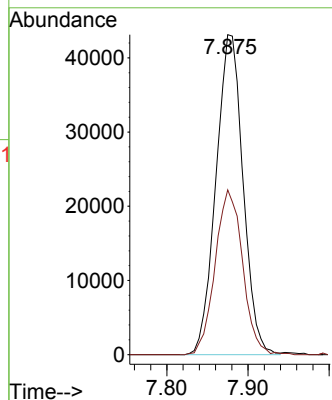
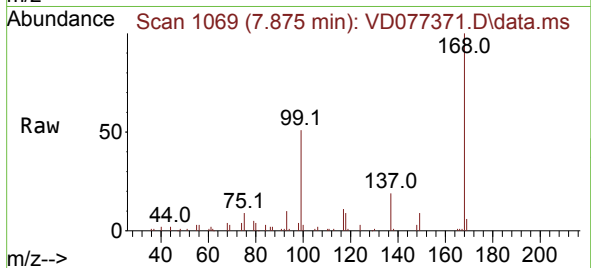
ClientSampleId :

Tgt Ion:168 Resp: 100074

Ion Ratio Lower Upper

168 100

99 51.5 36.7 55.1



#20

Methylene Chloride

Concen: 2.558 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.011 min

Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

Tgt Ion: 84 Resp: 8402

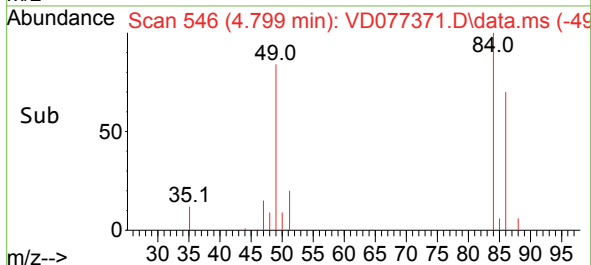
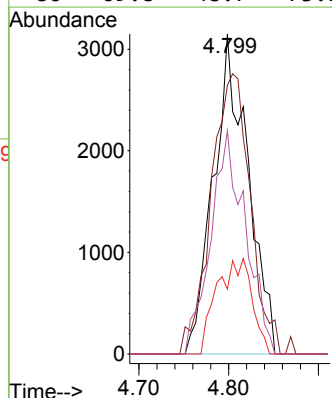
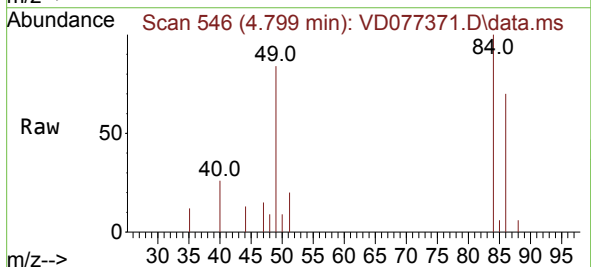
Ion Ratio Lower Upper

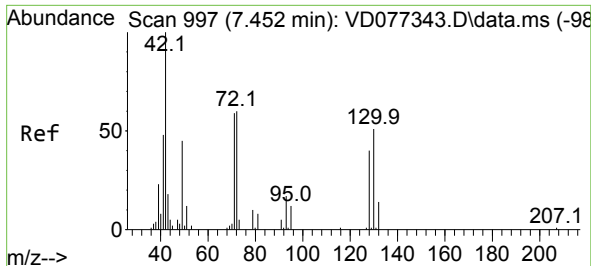
84 100

49 84.0 71.4 107.2

51 20.2 24.5 36.7#

86 69.8 48.7 73.1





#29

Tetrahydrofuran

Concen: 15.905 ug/l

RT: 7.457 min Scan# 997

Delta R.T. 0.005 min

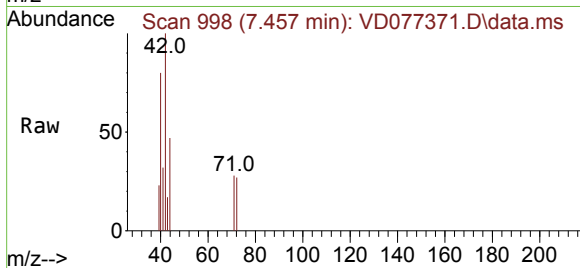
Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

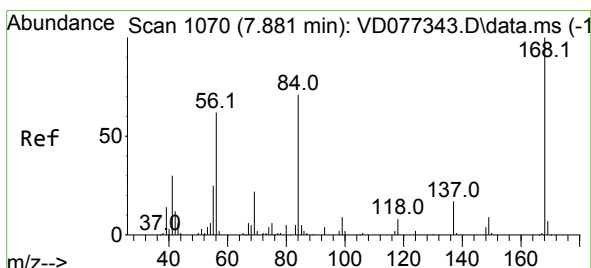
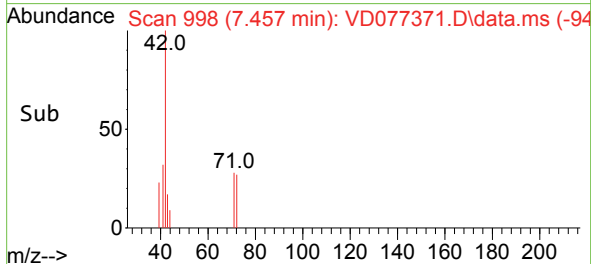
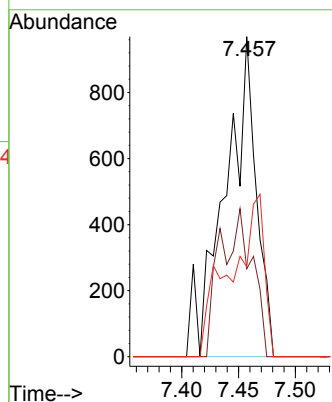
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	1865
Ion Ratio	Lower	Upper	
42	100		
72	0.0	46.5	69.7#
71	32.7	44.5	66.7#



#31

Cyclohexane

Concen: 1.753 ug/l

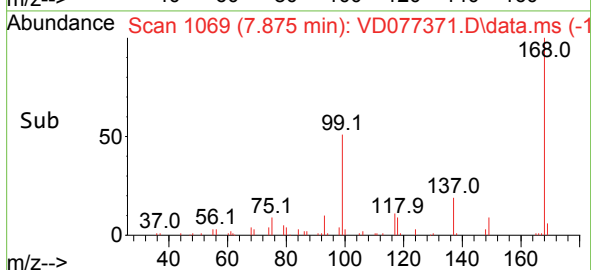
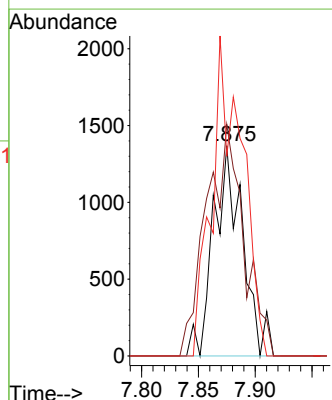
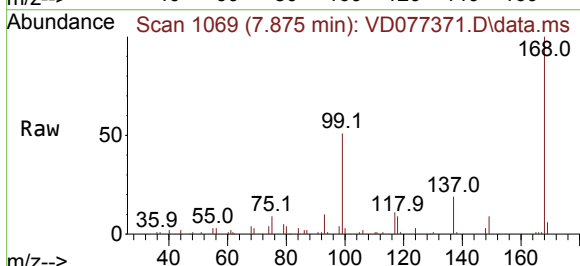
RT: 7.875 min Scan# 1069

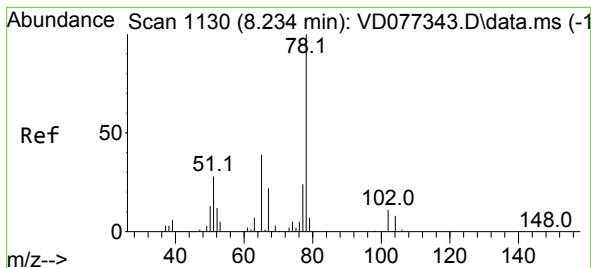
Delta R.T. -0.006 min

Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

Tgt Ion:	56	Resp:	2437
Ion Ratio	Lower	Upper	
56	100		
69	110.2	28.6	43.0#
84	95.0	84.8	127.2





#33

1,2-Dichloroethane-d4

Concen: 56.751 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

Instrument :

MSVOA_D

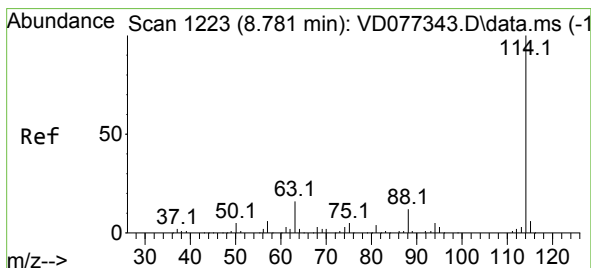
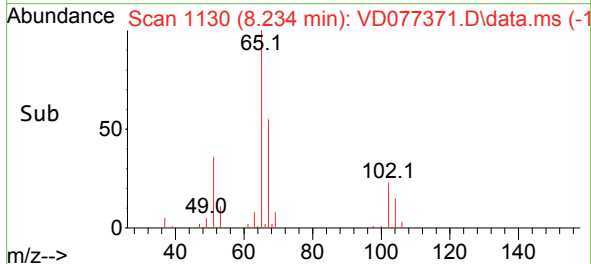
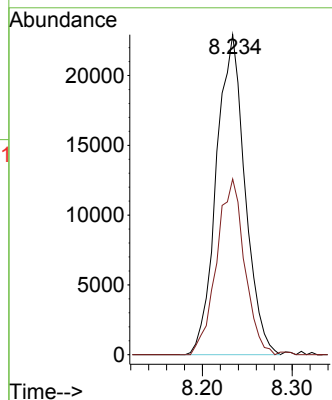
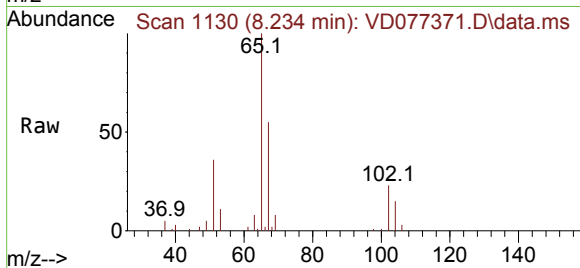
ClientSampleId :

Tgt Ion: 65 Resp: 50713

Ion Ratio Lower Upper

65 100

67 53.6 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077371.D

Acq: 20 Oct 2023 18:13

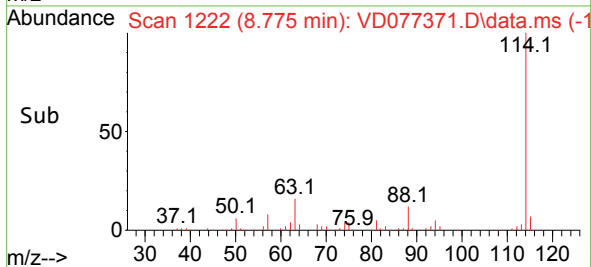
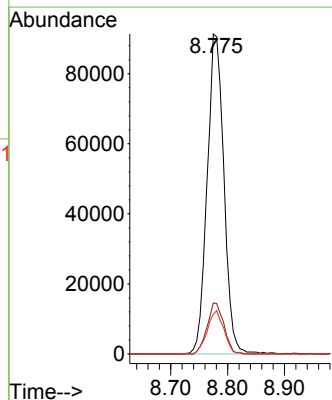
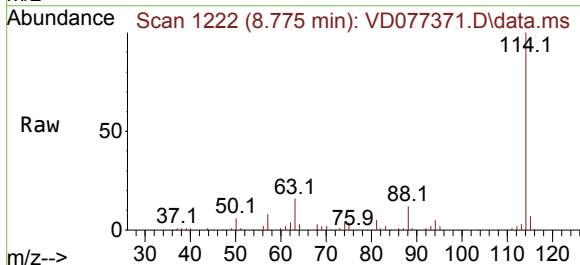
Tgt Ion: 114 Resp: 187057

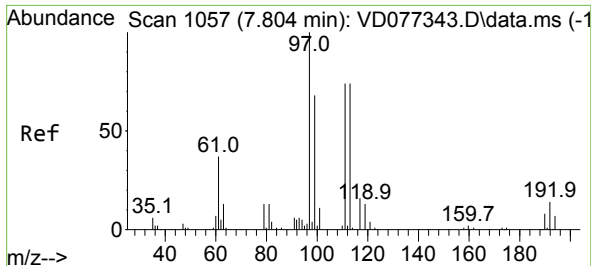
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.4

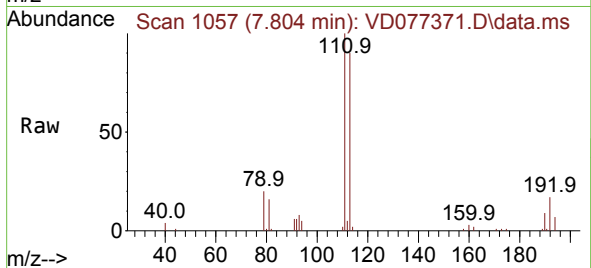
88 12.3 0.0 26.2



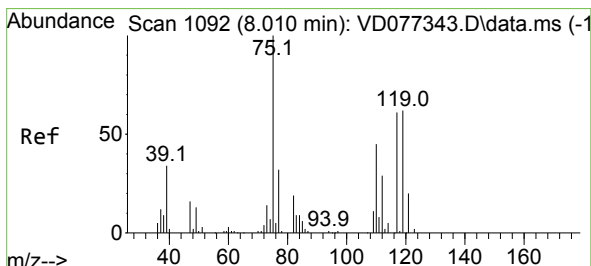
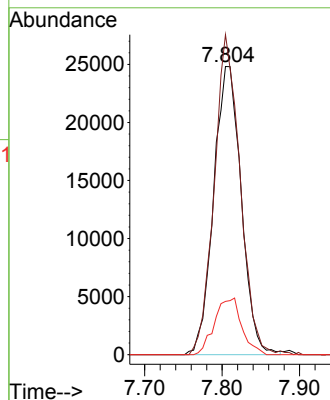
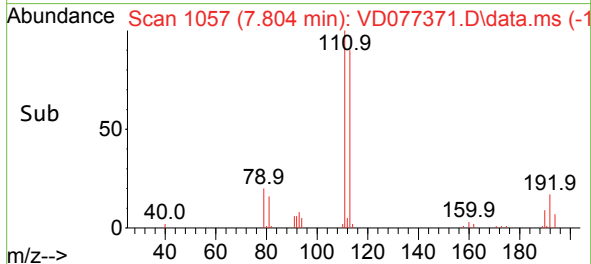


#35
Dibromofluoromethane
Concen: 46.828 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :

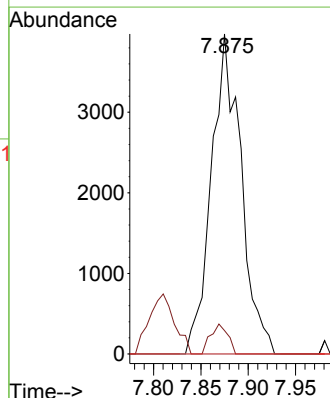
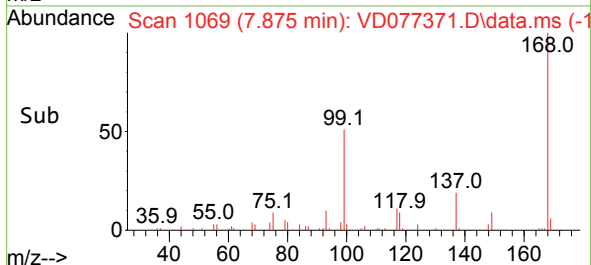
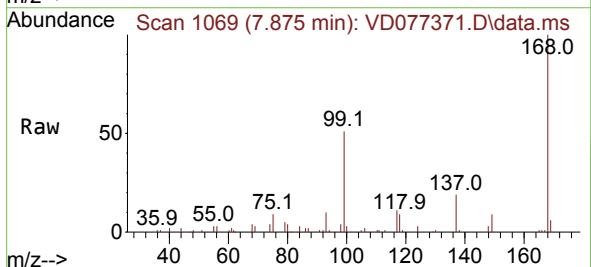


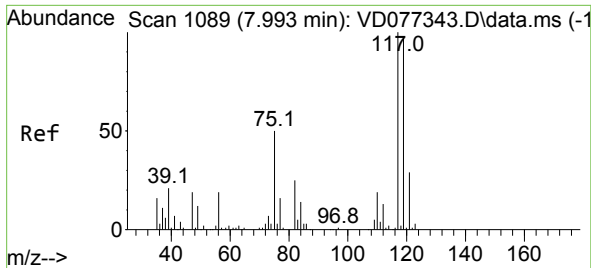
Tgt Ion:113 Resp: 61540
Ion Ratio Lower Upper
113 100
111 104.2 84.7 127.1
192 19.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.008 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

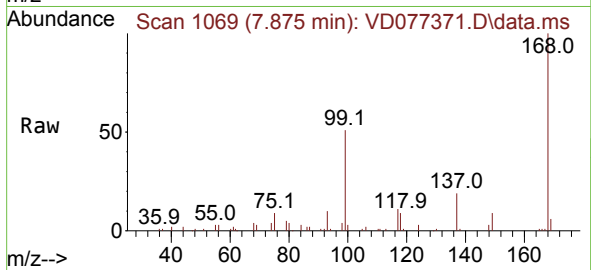
Tgt Ion: 75 Resp: 8648
Ion Ratio Lower Upper
75 100
110 5.4 19.9 59.6#
77 0.0 24.7 37.1#



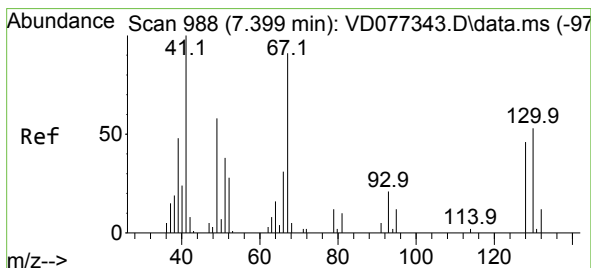
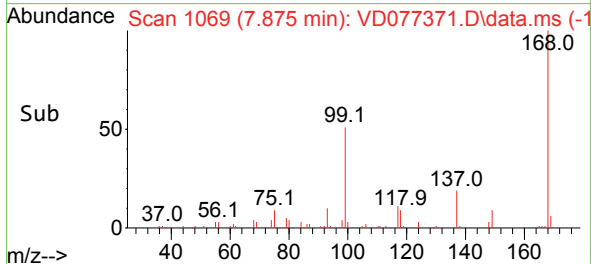
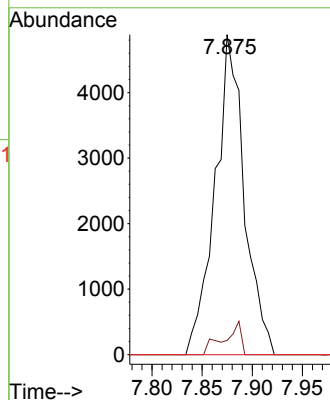


#38
Carbon Tetrachloride
Concen: 5.152 ug/l
RT: 7.875 min Scan# 1089
Delta R.T. -0.118 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :

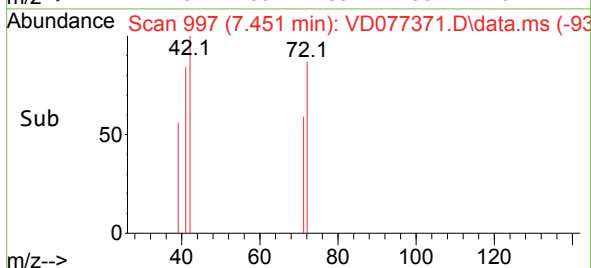
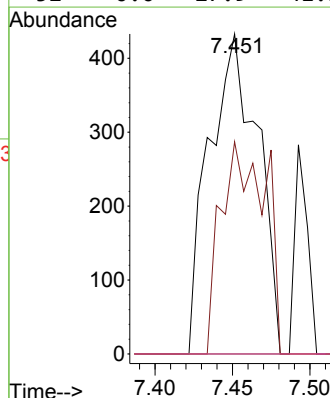
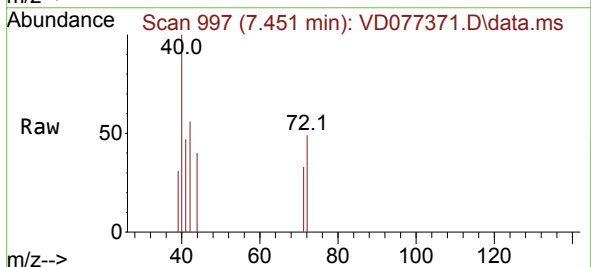


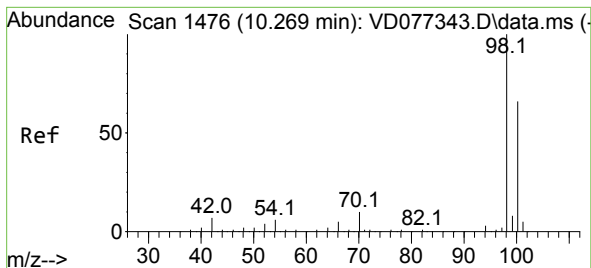
Tgt Ion:117 Resp: 9896
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 3.658 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.052 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Tgt Ion: 41 Resp: 947
Ion Ratio Lower Upper
41 100
39 60.3 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

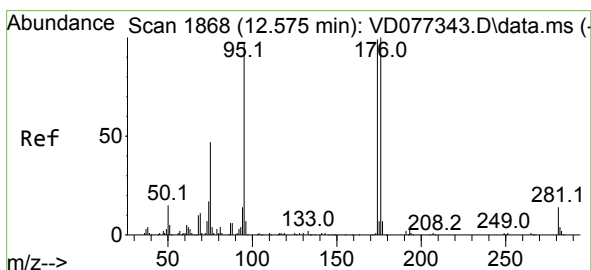
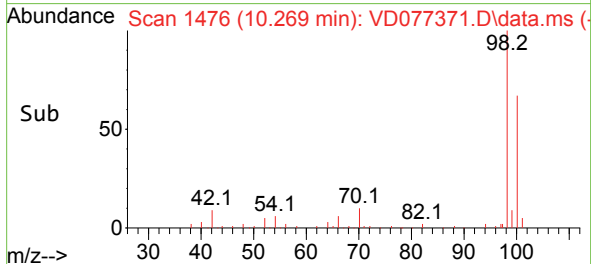
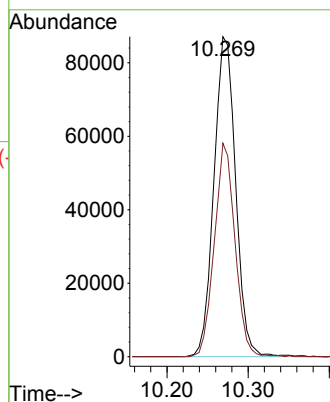
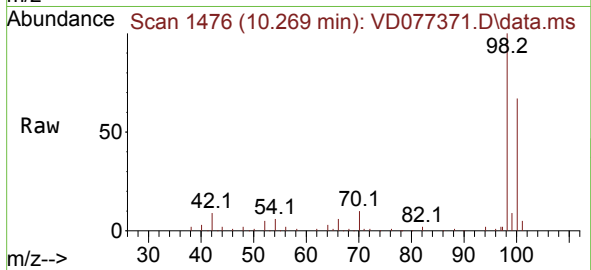




#50
Toluene-d8
Concen: 34.305 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

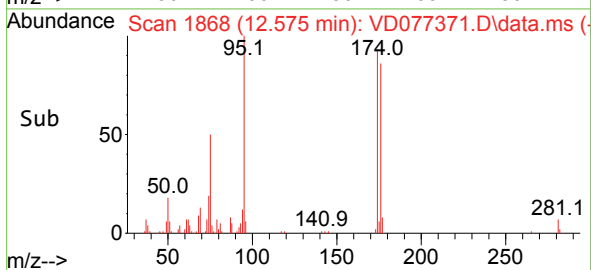
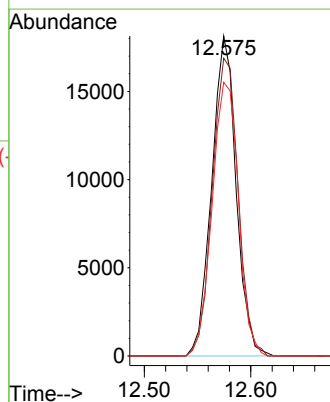
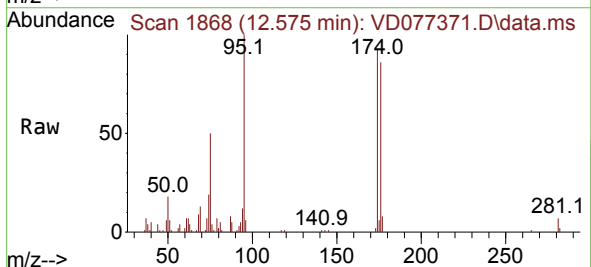
Instrument :
MSVOA_D
ClientSampleId :

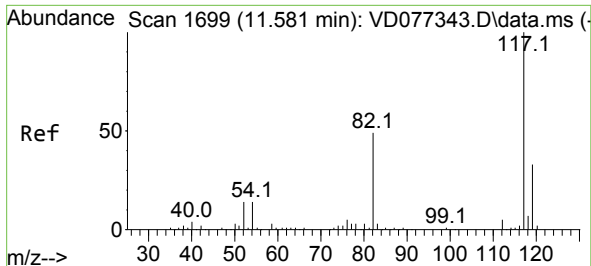
Tgt Ion: 98 Resp: 161453
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 21.304 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Tgt Ion: 95 Resp: 28862
Ion Ratio Lower Upper
95 100
174 98.4 0.0 201.8
176 92.0 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: VD077371.D

Acq: 20 Oct 2023 18:13

Instrument :

MSVOA_D

ClientSampleId :

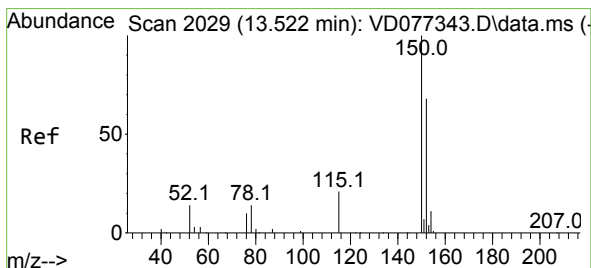
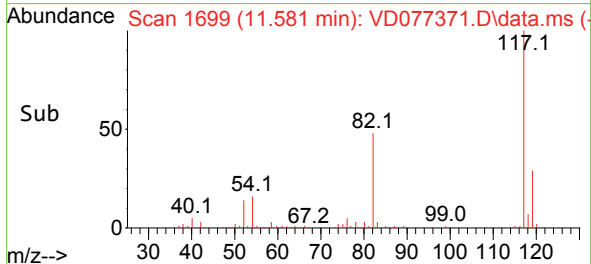
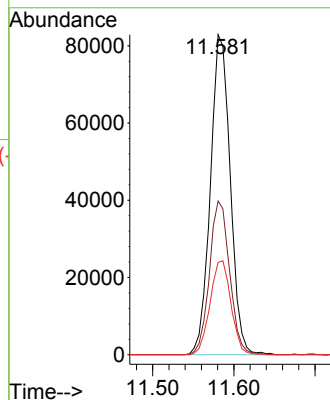
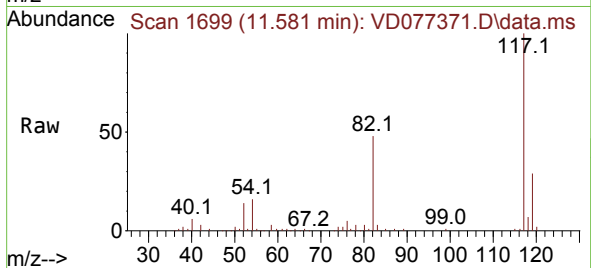
Tgt Ion:117 Resp: 140804

Ion Ratio Lower Upper

117 100

82 48.0 38.3 57.5

119 28.9 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: VD077371.D

Acq: 20 Oct 2023 18:13

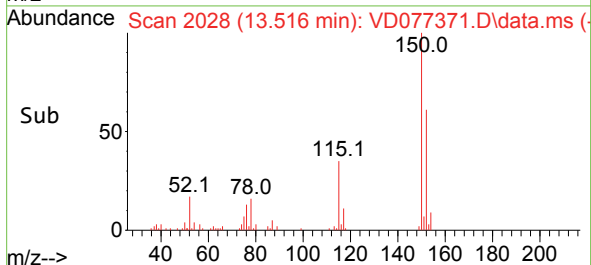
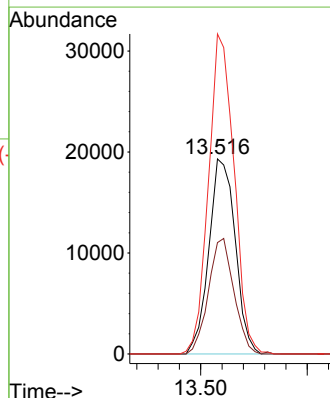
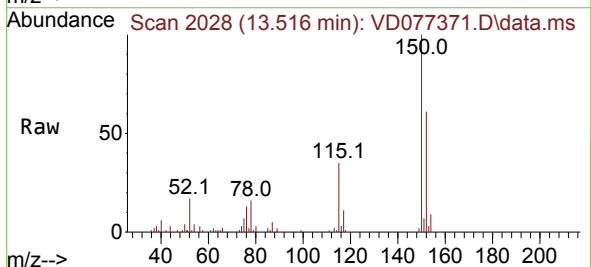
Tgt Ion:152 Resp: 33259

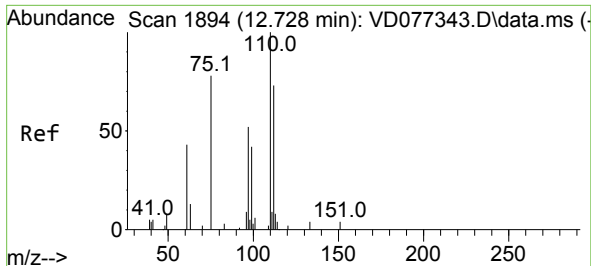
Ion Ratio Lower Upper

152 100

115 57.0 27.1 81.3

150 158.7 0.0 353.6

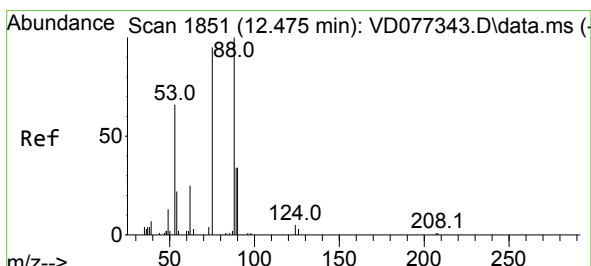
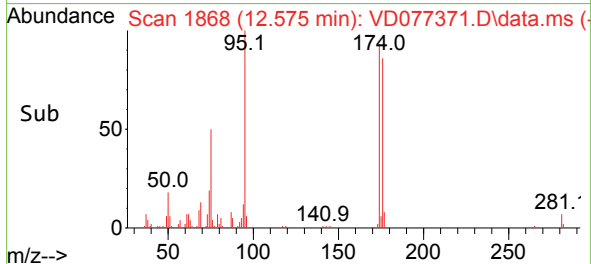
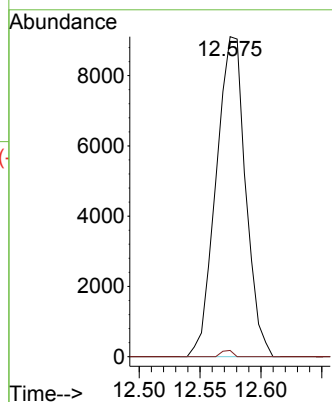
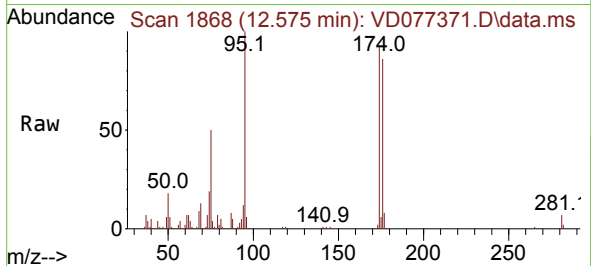




#76
1,2,3-Trichloropropane
Concen: 34.882 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 15354
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.701 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD077371.D
Acq: 20 Oct 2023 18:13

Tgt Ion: 75 Resp: 15354
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

