

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102623\
 Data File : VD077432.D
 Acq On : 26 Oct 2023 17:36
 Operator : JC/SY
 Sample : 05021-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 27 07:48:46 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)

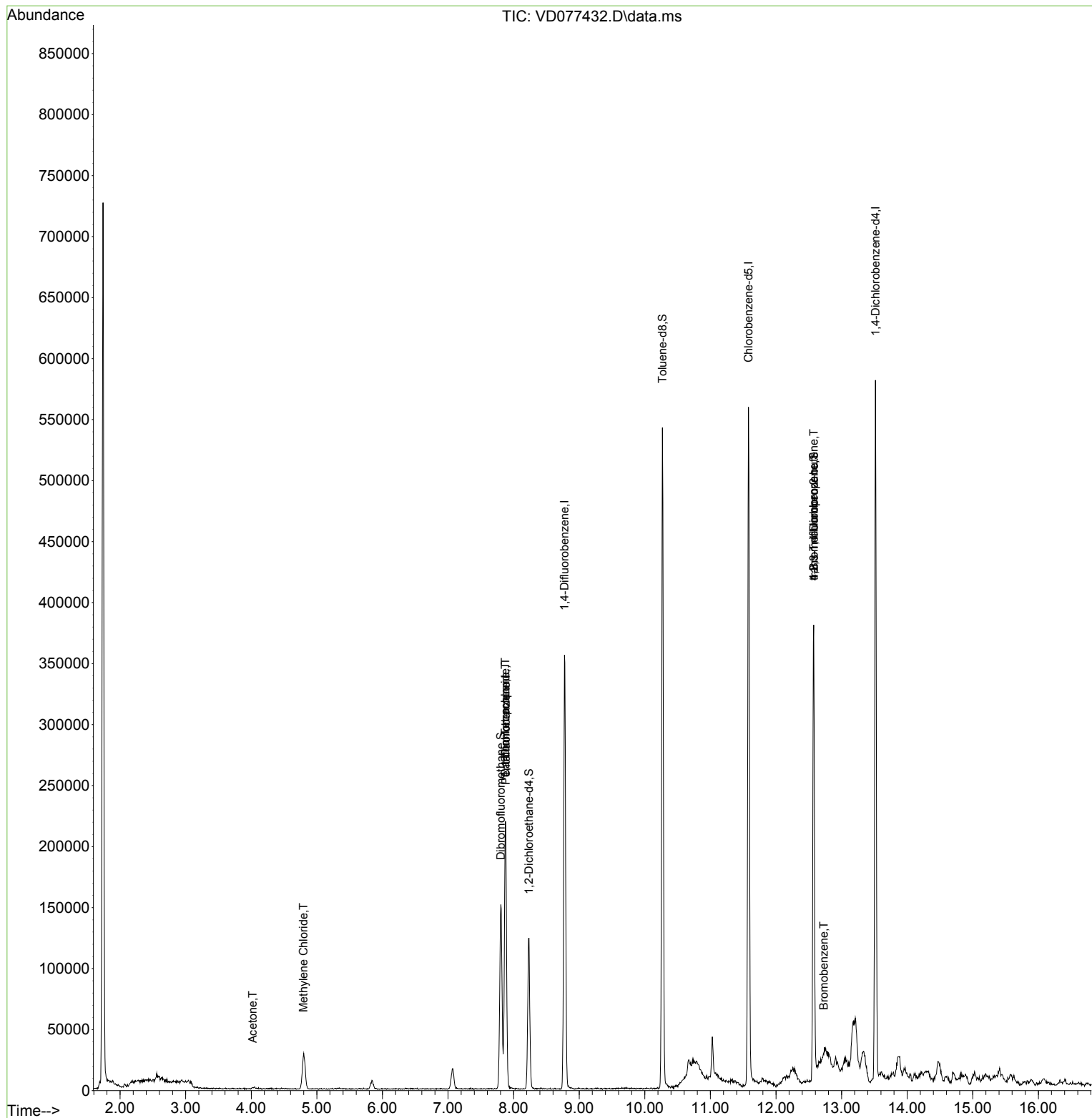
Internal Standards						
1) Pentafluorobenzene	7.881	168	176254	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	342456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	351057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	159069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93977	59.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.420%
35) Dibromofluoromethane	7.805	113	114715	47.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.360%
50) Toluene-d8	10.269	98	385608	44.753	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.500%
62) 4-Bromofluorobenzene	12.575	95	114564	46.190	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.380%
Target Compounds						
						Qvalue
16) Acetone	4.022	43	1713	4.963	ug/l #	32
20) Methylene Chloride	4.793	84	24753	7.826	ug/l	94
36) 1,1-Dichloropropene	7.875	75	12679	4.011	ug/l #	47
38) Carbon Tetrachloride	7.875	117	17506	4.978	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	57313	27.825	ug/l #	100
77) Bromobenzene	12.728	156	16175	5.856	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	57313	96.545	ug/l #	18

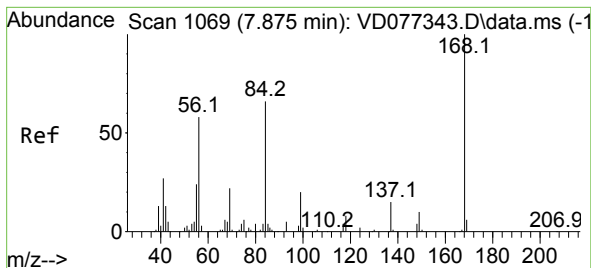
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 18 03:02:43 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

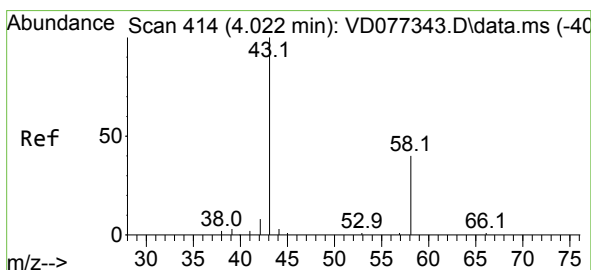
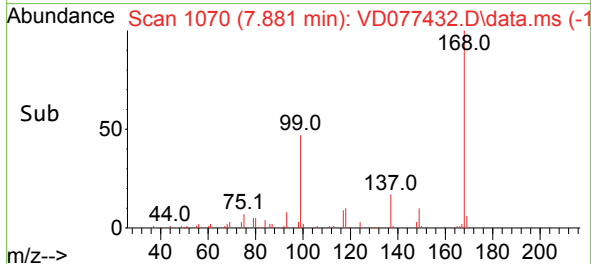
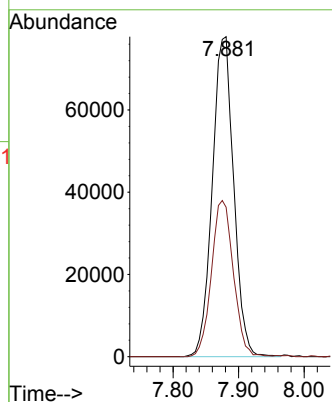
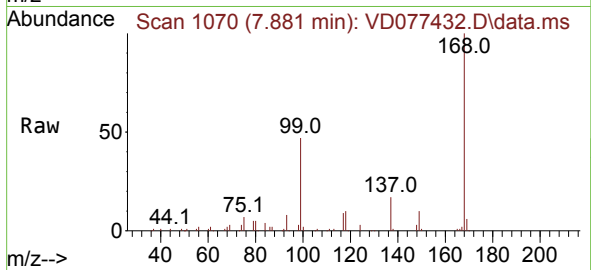
ClientSampleId :

Tgt Ion:168 Resp: 176254

Ion Ratio Lower Upper

168 100

99 46.7 36.7 55.1



#16

Acetone

Concen: 4.963 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077432.D

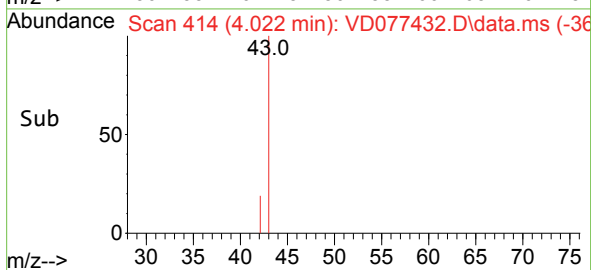
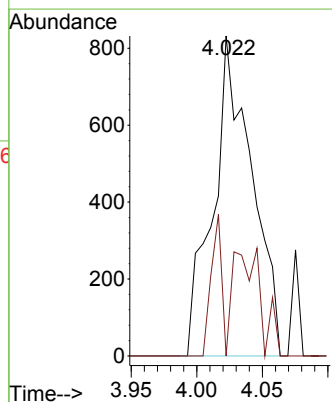
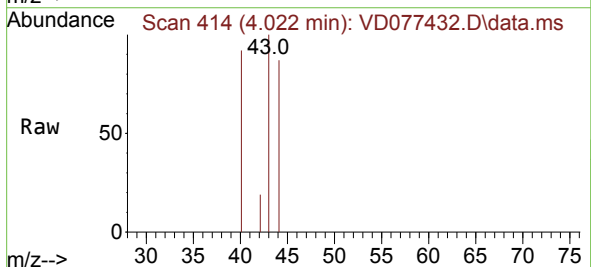
Acq: 26 Oct 2023 17:36

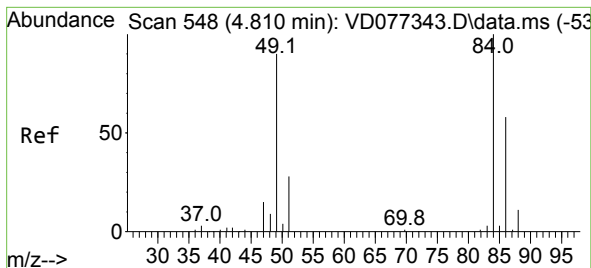
Tgt Ion: 43 Resp: 1713

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#





#20

Methylene Chloride

Concen: 7.826 ug/l

RT: 4.793 min Scan# 54

Delta R.T. -0.017 min

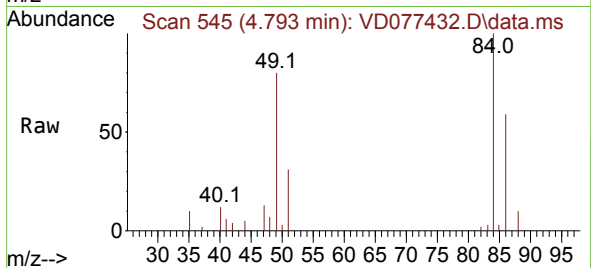
Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 84 Resp: 24753

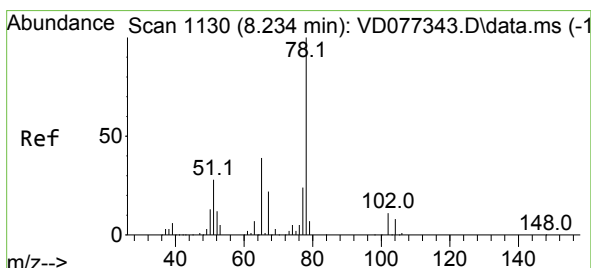
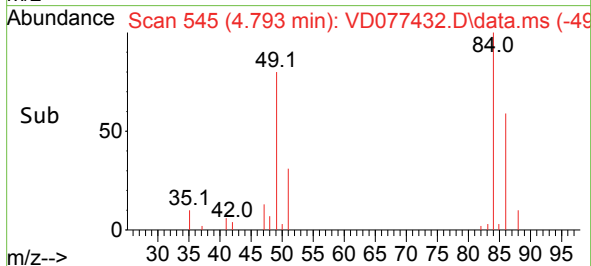
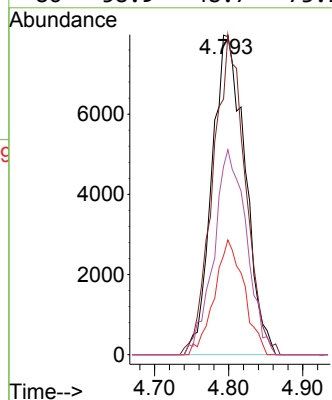
Ion Ratio Lower Upper

84 100

49 80.0 71.4 107.2

51 31.0 24.5 36.7

86 58.9 48.7 73.1



#33

1,2-Dichloroethane-d4

Concen: 59.712 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077432.D

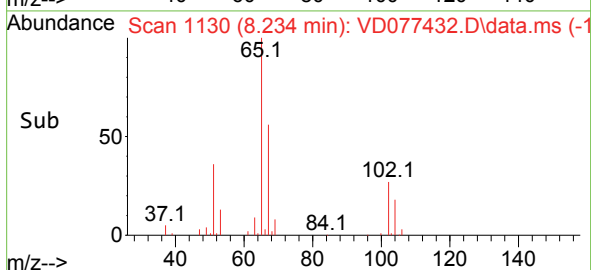
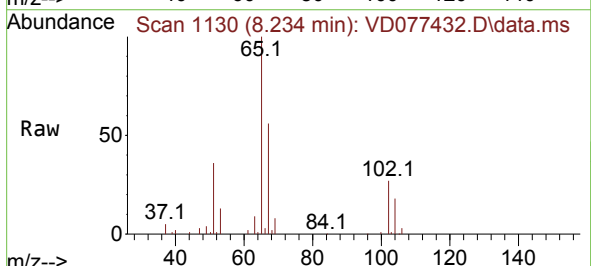
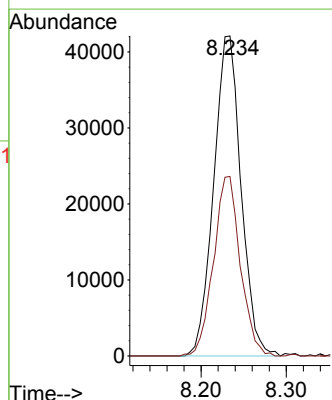
Acq: 26 Oct 2023 17:36

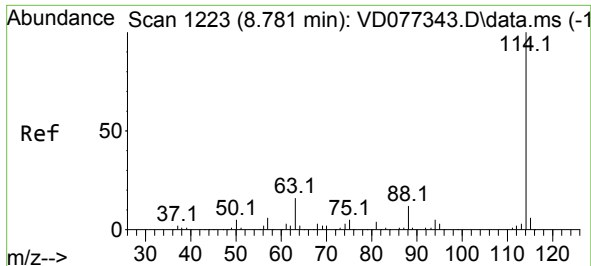
Tgt Ion: 65 Resp: 93977

Ion Ratio Lower Upper

65 100

67 55.0 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: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

ClientSampleId :

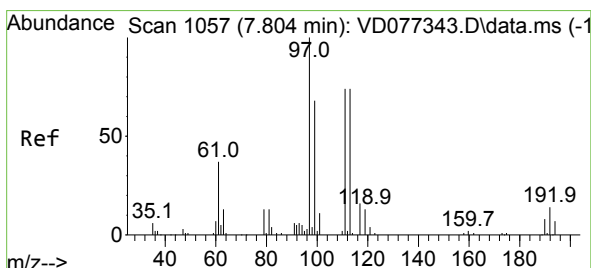
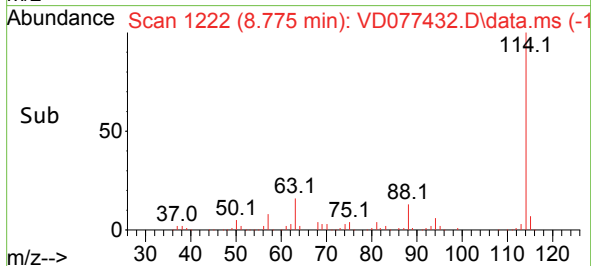
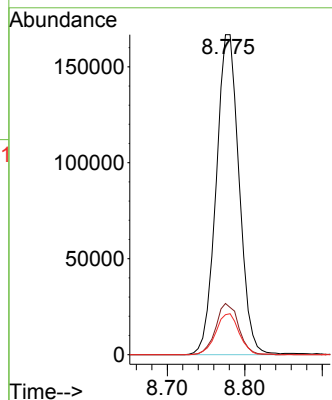
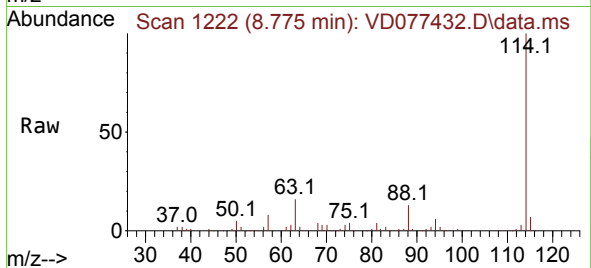
Tgt Ion:114 Resp: 342456

Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.4

88 12.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 47.681 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

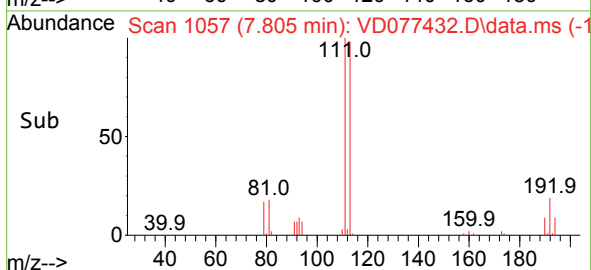
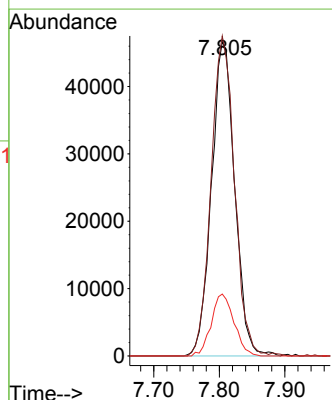
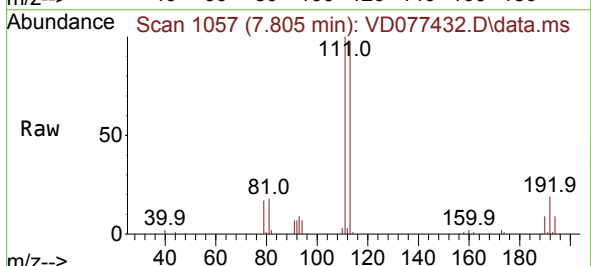
Tgt Ion:113 Resp: 114715

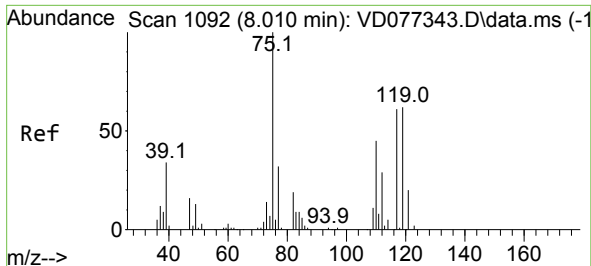
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 19.3 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.011 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD077432.D

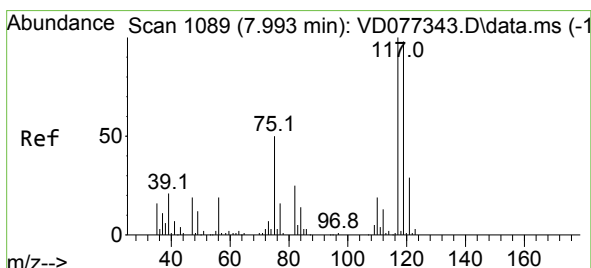
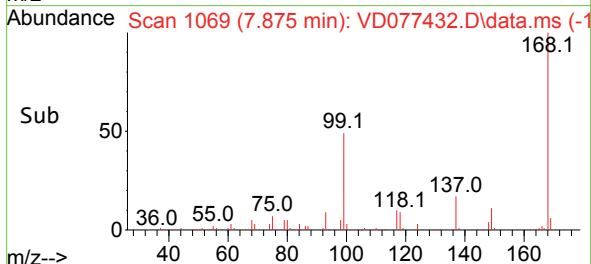
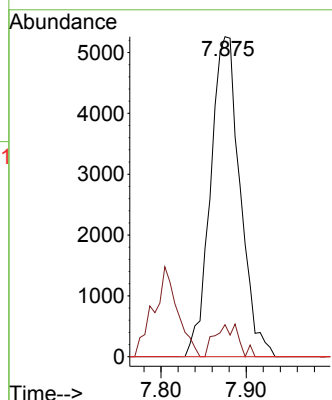
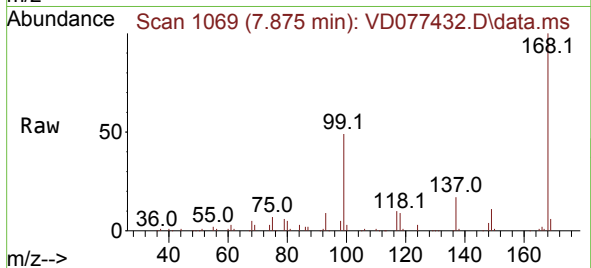
Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 12679
Ion Ratio	Lower Upper
75	100
110	8.1 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.978 ug/l

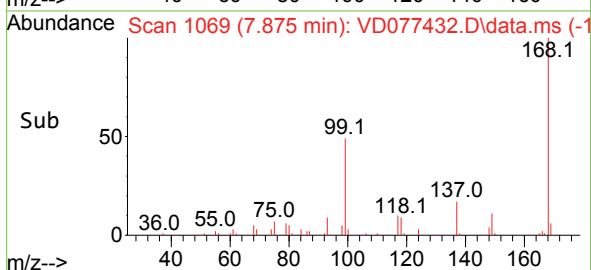
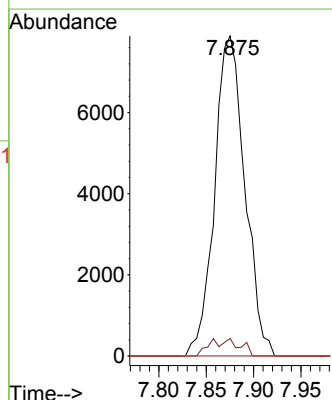
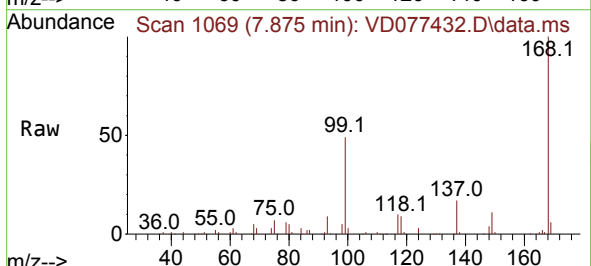
RT: 7.875 min Scan# 1069

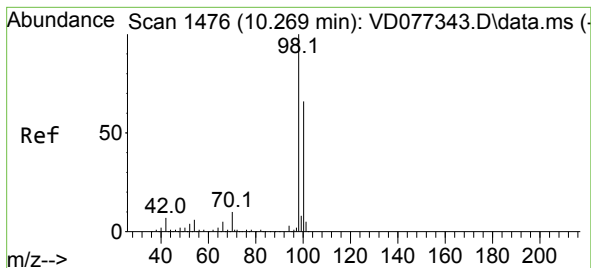
Delta R.T. -0.118 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Tgt Ion: 117	Resp: 17506
Ion Ratio	Lower Upper
117	100
119	5.5 78.0 117.0#
121	0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.753 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

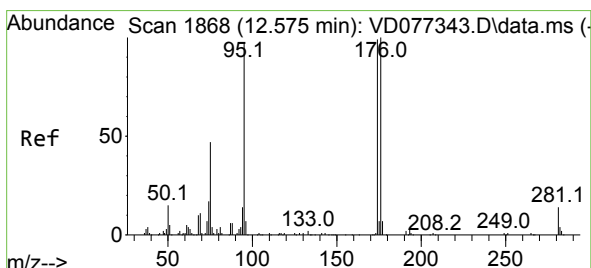
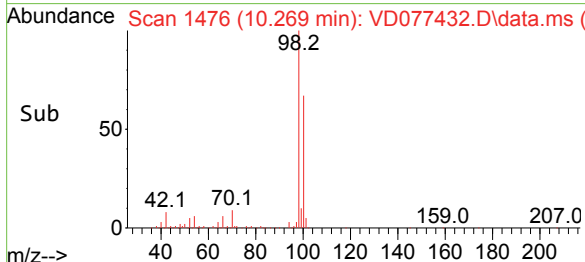
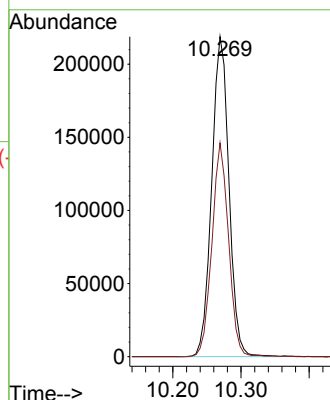
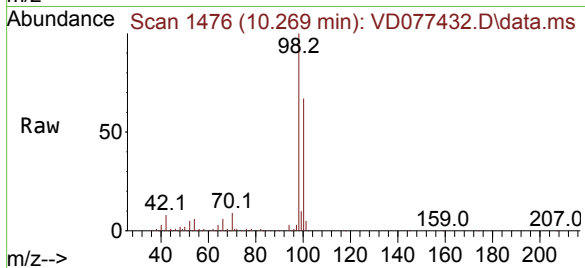
ClientSampleId :

Tgt Ion: 98 Resp: 385608

Ion Ratio Lower Upper

98 100

100 64.6 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 46.190 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

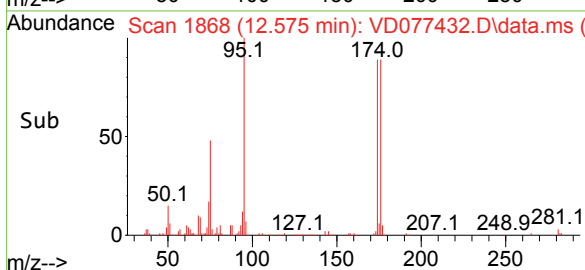
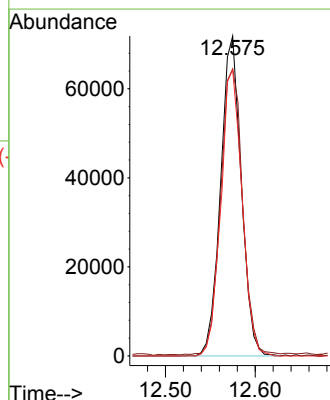
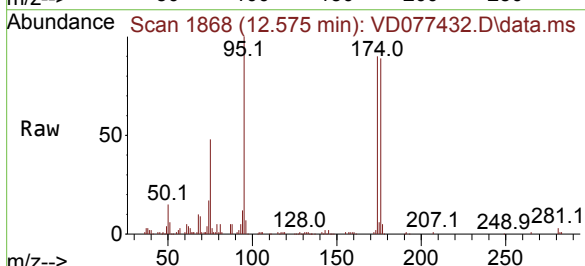
Tgt Ion: 95 Resp: 114564

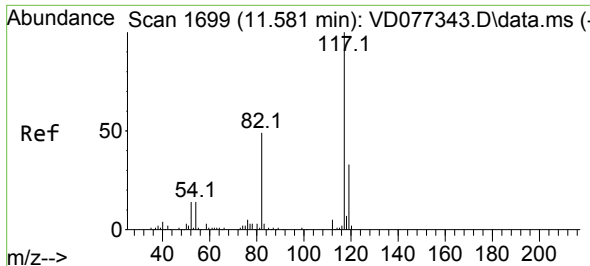
Ion Ratio Lower Upper

95 100

174 95.4 0.0 201.8

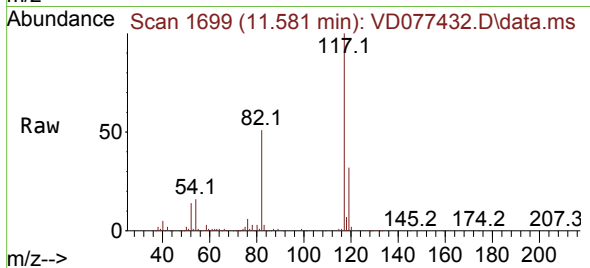
176 92.1 0.0 191.8



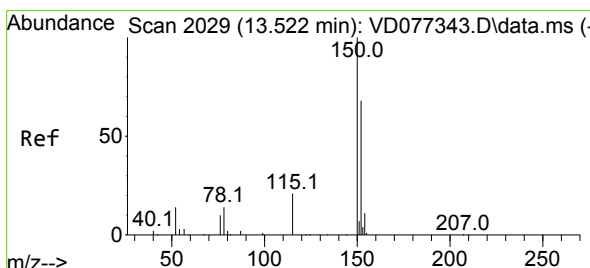
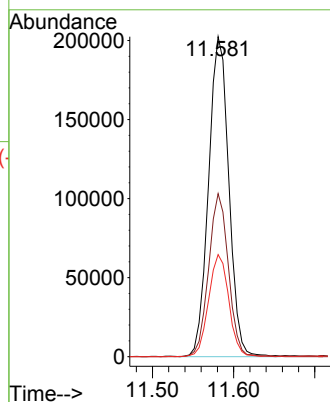
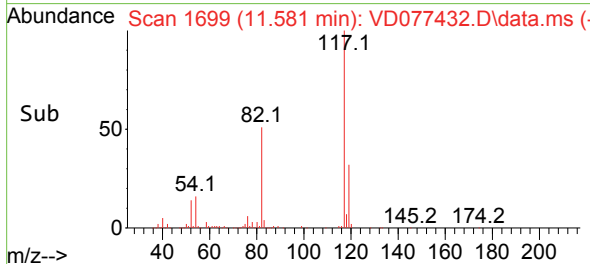


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36

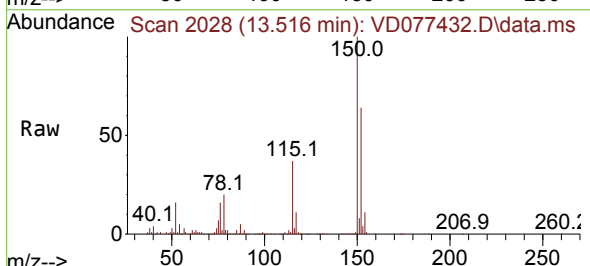
Instrument :
MSVOA_D
ClientSampleId :



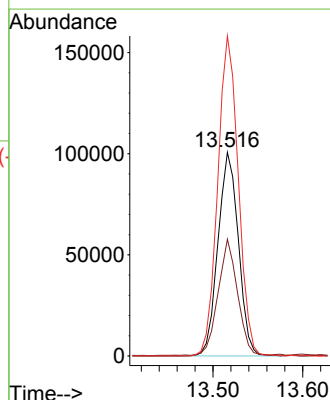
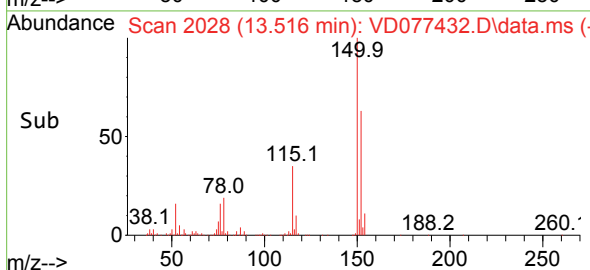
Tgt Ion:117 Resp: 351057
Ion Ratio Lower Upper
117 100
82 51.0 38.3 57.5
119 31.8 25.0 37.4

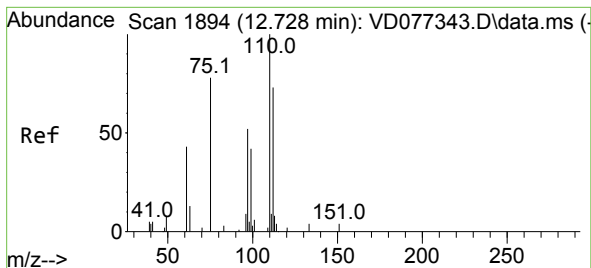


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077432.D
Acq: 26 Oct 2023 17:36



Tgt Ion:152 Resp: 159069
Ion Ratio Lower Upper
152 100
115 54.9 27.1 81.3
150 158.1 0.0 353.6





#76

1,2,3-Trichloropropane

Concen: 27.825 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

Instrument :

MSVOA_D

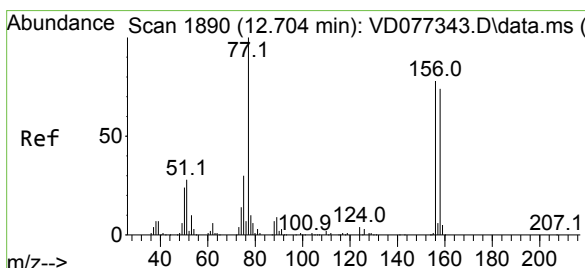
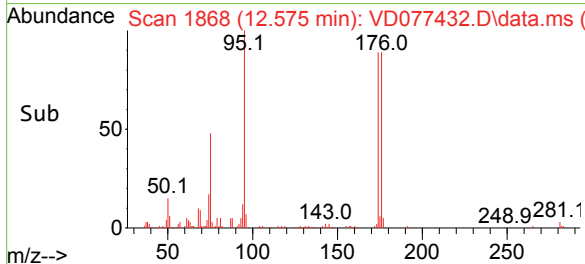
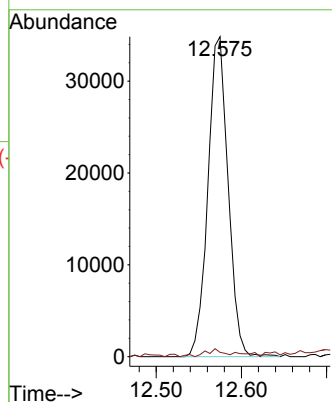
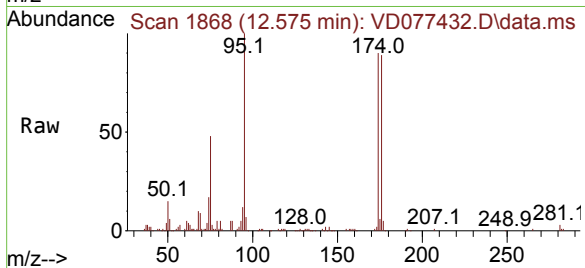
ClientSampleId :

Tgt Ion: 75 Resp: 57313

Ion Ratio Lower Upper

75 100

77 2.2 0.0 0.0#



#77

Bromobenzene

Concen: 5.856 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.024 min

Lab File: VD077432.D

Acq: 26 Oct 2023 17:36

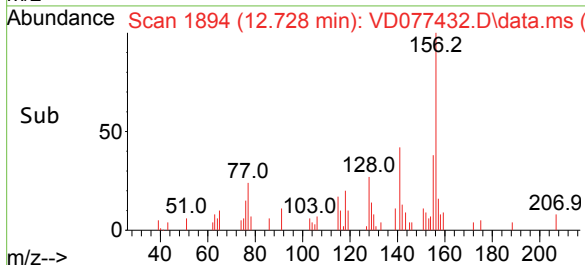
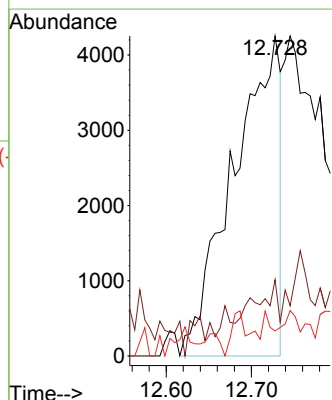
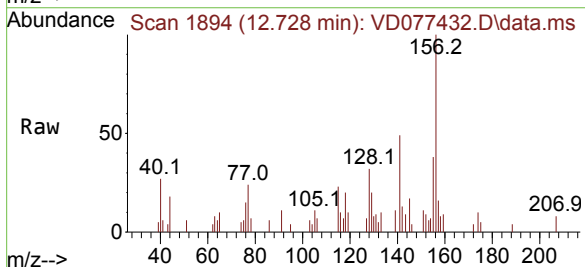
Tgt Ion: 156 Resp: 16175

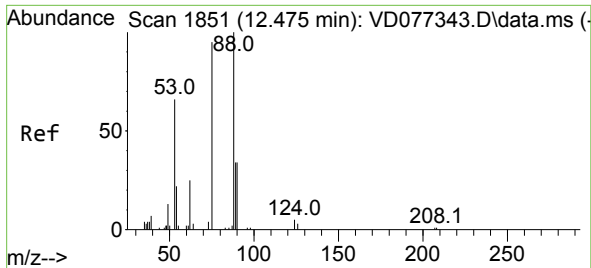
Ion Ratio Lower Upper

156 100

77 0.0 76.8 230.4#

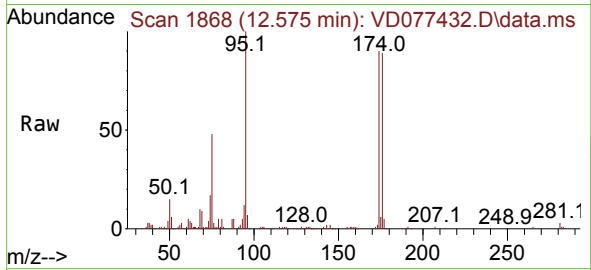
158 4.1 48.6 145.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.545 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD077432.D
 Acq: 26 Oct 2023 17:36

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.3	63.0	94.4#
89	0.2	37.9	56.9#

