

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077397.D
 Acq On : 24 Oct 2023 16:21
 Operator : JC/SY
 Sample : 05011-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 25 04:06:34 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)

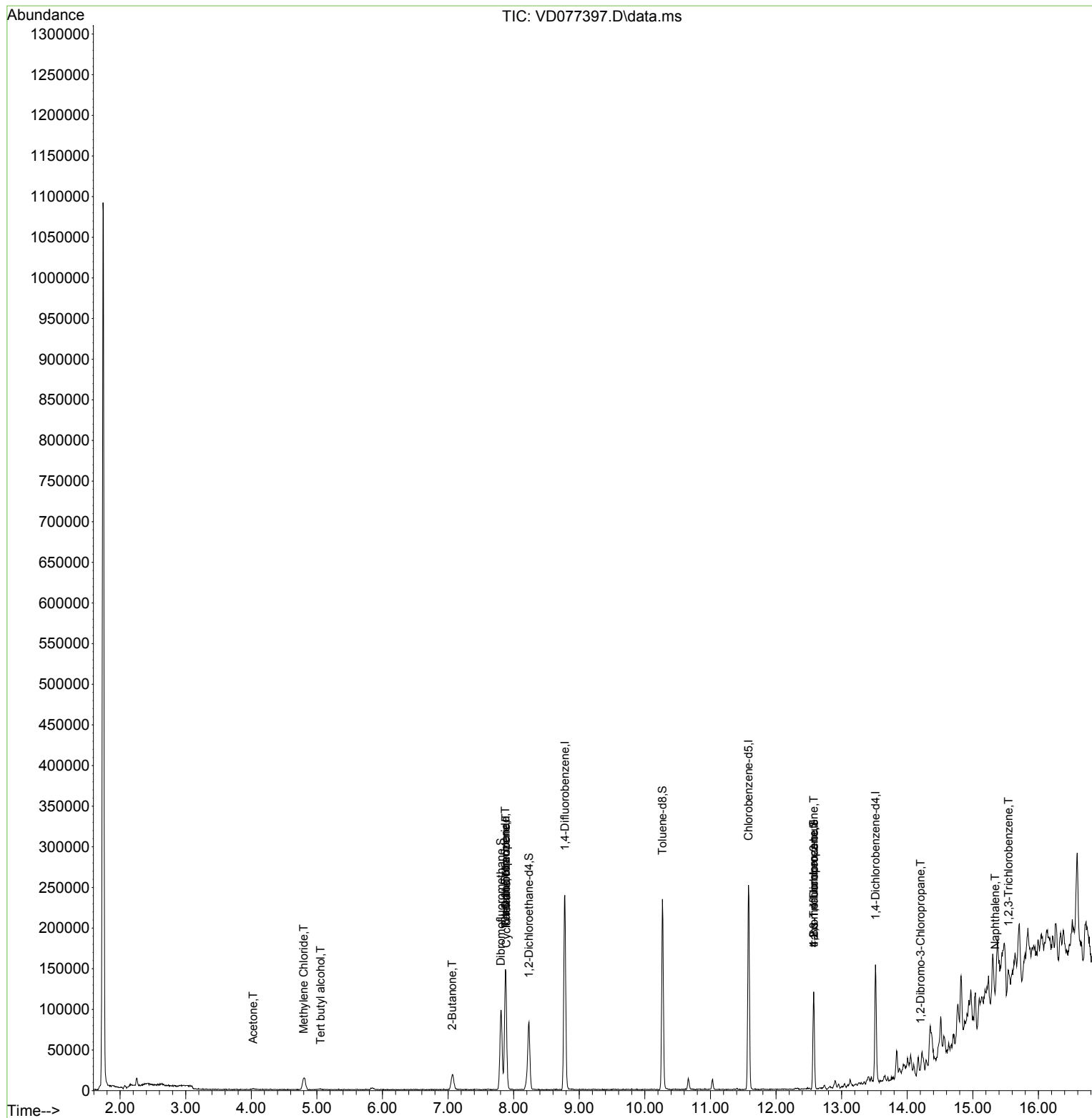
Internal Standards						
1) Pentafluorobenzene	7.881	168	116134	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	232853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	60778	58.609	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.220%
35) Dibromofluoromethane	7.804	113	72946	44.591	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.180%
50) Toluene-d8	10.269	98	167500	28.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	57.180%#
62) 4-Bromofluorobenzene	12.575	95	34628	20.533	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	41.060%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.057	59	791	13.560	ug/l #	73
16) Acetone	4.028	43	1983	8.720	ug/l #	71
20) Methylene Chloride	4.799	84	13913	5.901	ug/l	97
25) 2-Butanone	7.063	43	1070	4.536	ug/l #	37
31) Cyclohexane	7.887	56	2148	1.331	ug/l #	20
36) 1,1-Dichloropropene	7.881	75	8269	3.847	ug/l #	47
38) Carbon Tetrachloride	7.875	117	11232	4.697	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	16451	30.813	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	16451	108.042	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.204	75	64	1.066	ug/l #	1
95) Naphthalene	15.339	128	1566	1.182	ug/l #	61
96) 1,2,3-Trichlorobenzene	15.545	180	1710	2.510	ug/l #	45

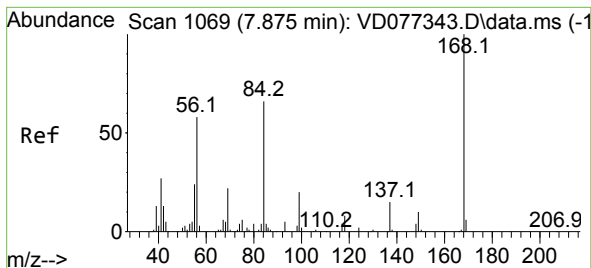
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 18 03:02:43 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

Instrument :

MSVOA_D

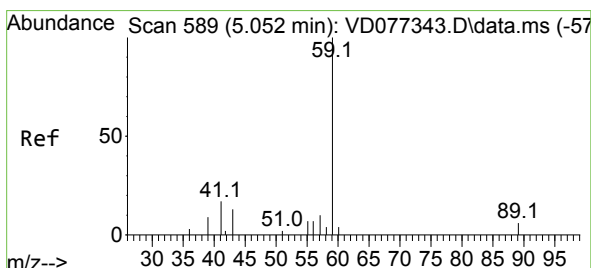
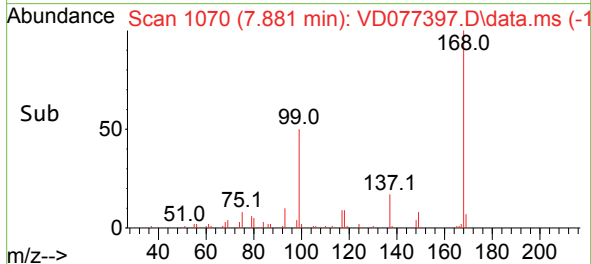
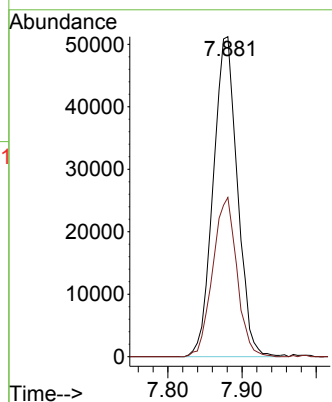
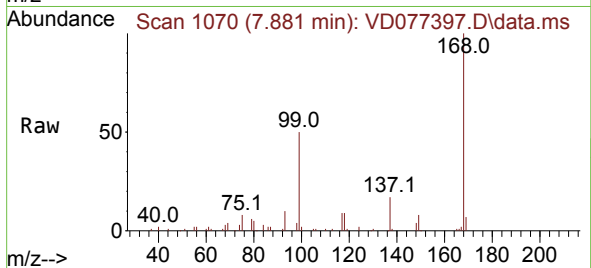
ClientSampleId :

Tgt Ion:168 Resp: 116134

Ion Ratio Lower Upper

168 100

99 49.8 36.7 55.1



#11

Tert butyl alcohol

Concen: 13.560 ug/l

RT: 5.057 min Scan# 590

Delta R.T. 0.005 min

Lab File: VD077397.D

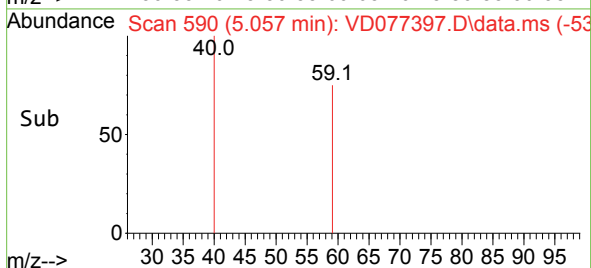
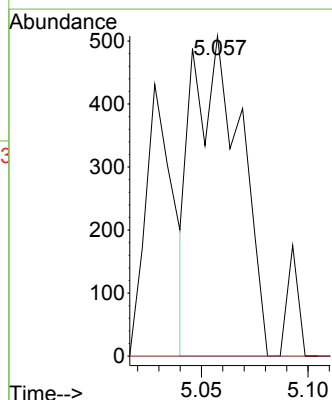
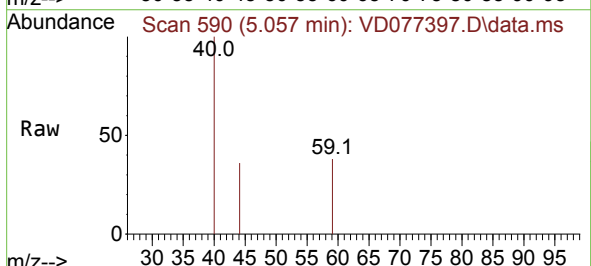
Acq: 24 Oct 2023 16:21

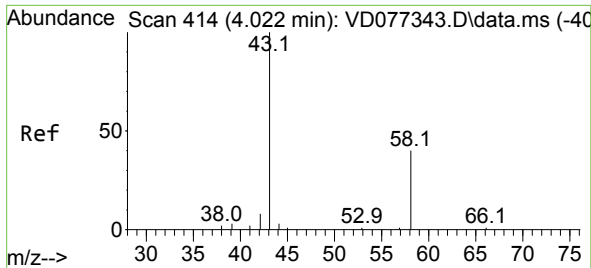
Tgt Ion: 59 Resp: 791

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

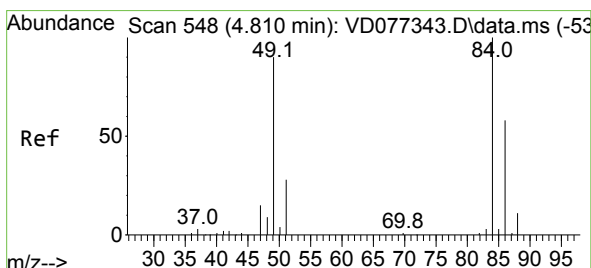
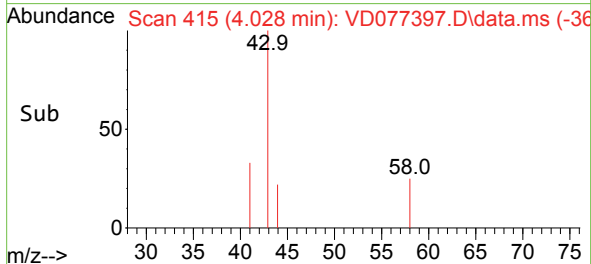
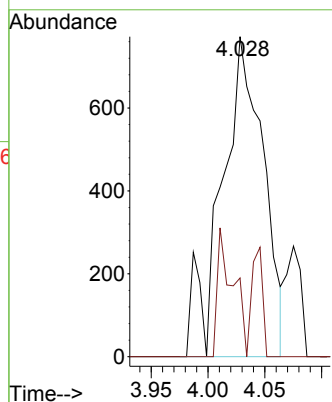
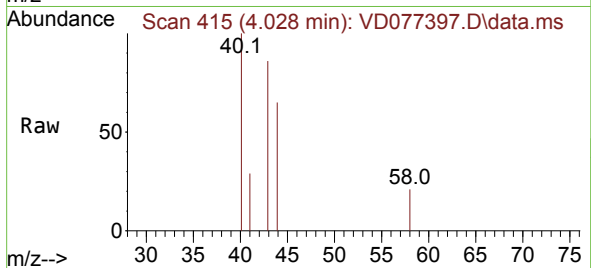




#16
Acetone
Concen: 8.720 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

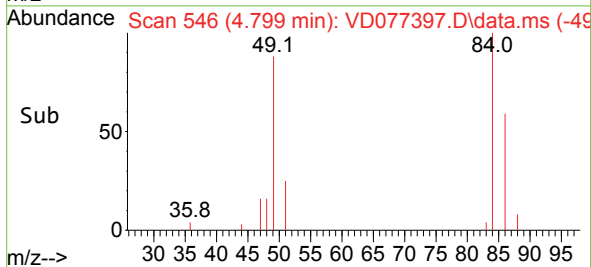
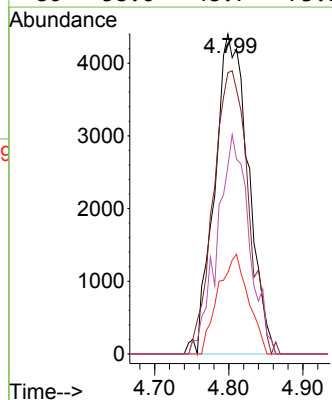
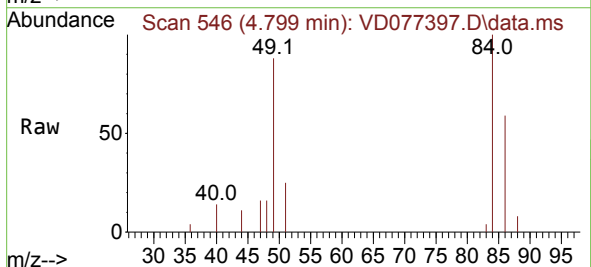
Instrument :
MSVOA_D
ClientSampleId :

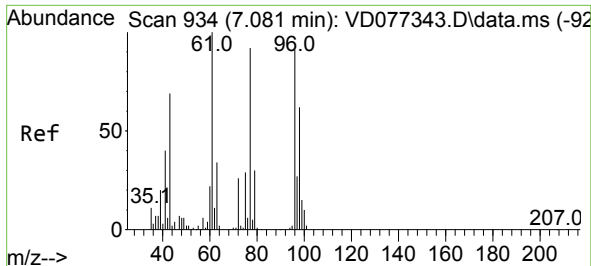
Tgt Ion: 43 Resp: 1983
Ion Ratio Lower Upper
43 100
58 24.6 34.7 52.1#



#20
Methylene Chloride
Concen: 5.901 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.011 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

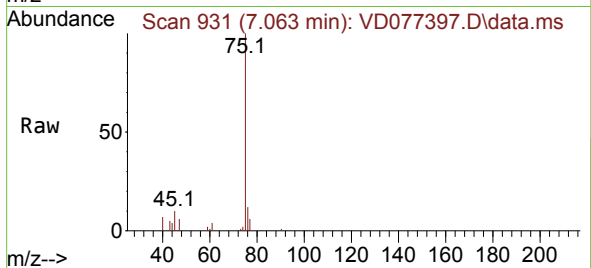
Tgt Ion: 84 Resp: 13913
Ion Ratio Lower Upper
84 100
49 87.9 71.4 107.2
51 25.5 24.5 36.7
86 58.6 48.7 73.1



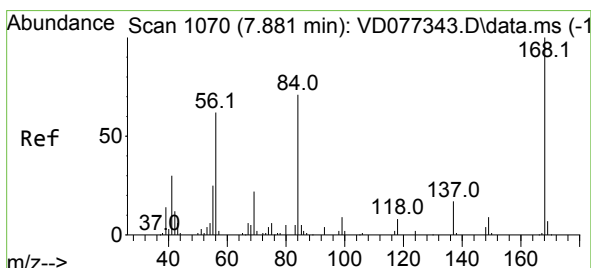
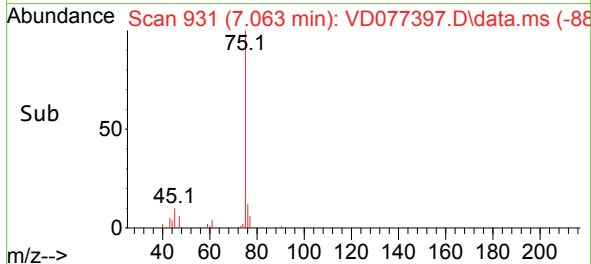
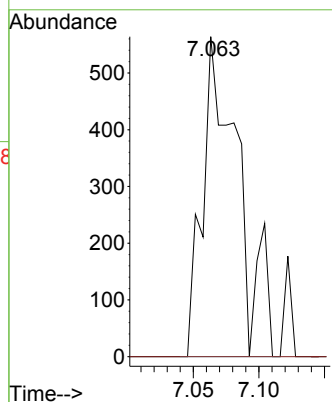


#25
2-Butanone
Concen: 4.536 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Instrument :
MSVOA_D
ClientSampleId :

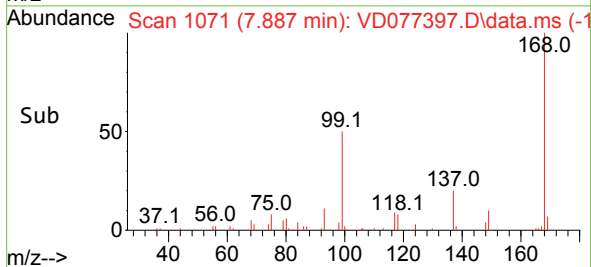
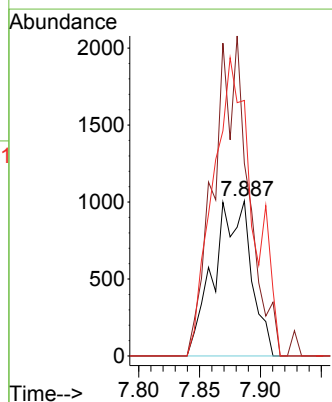
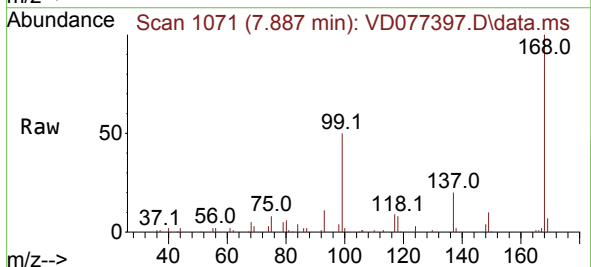


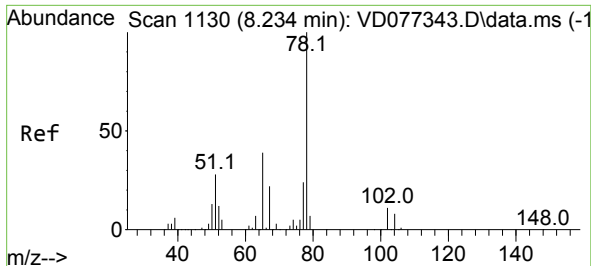
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.331 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Tgt Ion: 56 Resp: 2148
Ion Ratio Lower Upper
56 100
69 124.2 28.6 43.0#
84 164.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 58.609 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

Instrument :

MSVOA_D

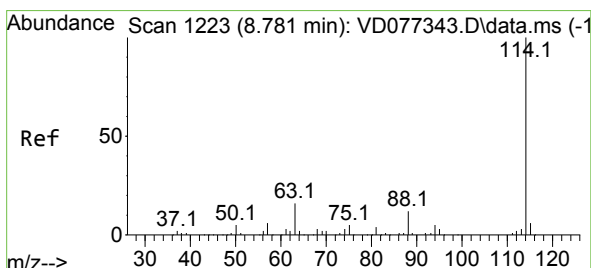
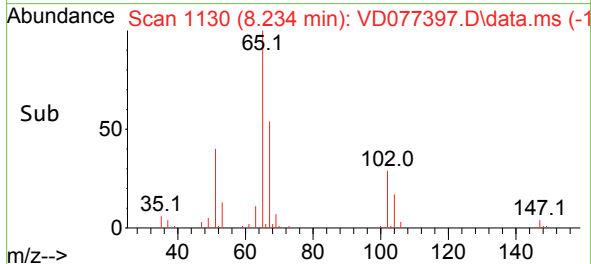
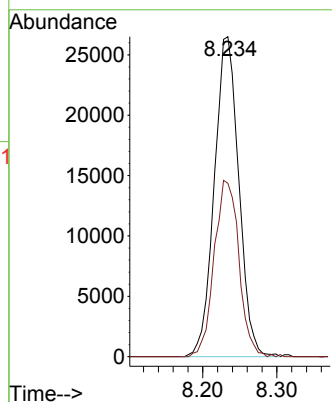
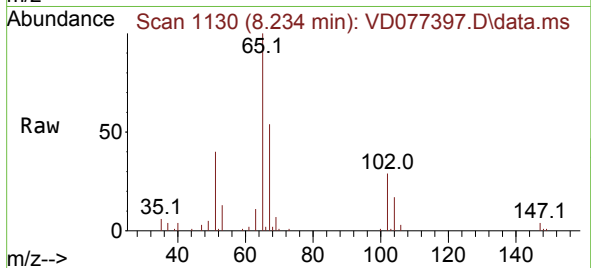
ClientSampleId :

Tgt Ion: 65 Resp: 60778

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# 1223

Delta R.T. -0.000 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

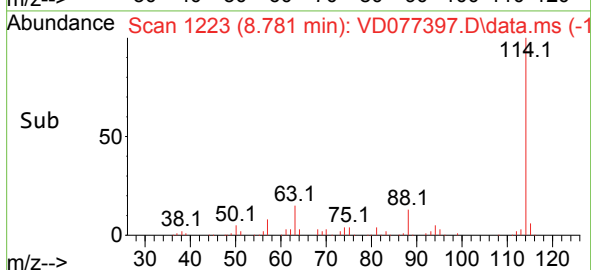
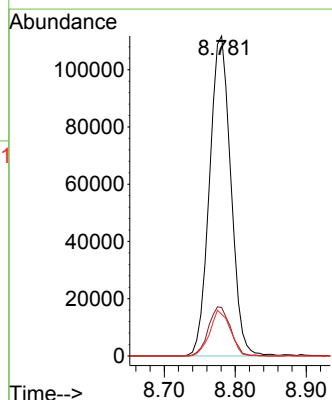
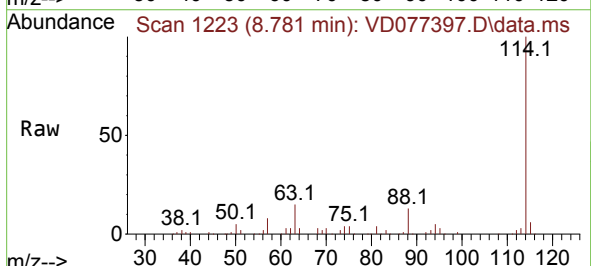
Tgt Ion: 114 Resp: 232853

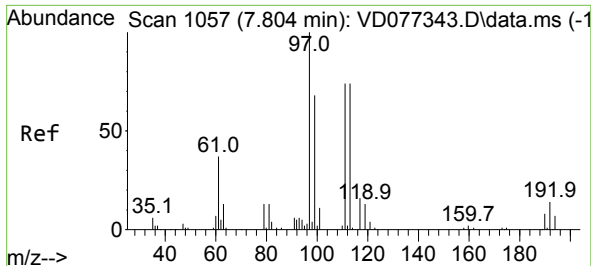
Ion Ratio Lower Upper

114 100

63 15.2 0.0 33.4

88 13.0 0.0 26.2





#35

Dibromofluoromethane

Concen: 44.591 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

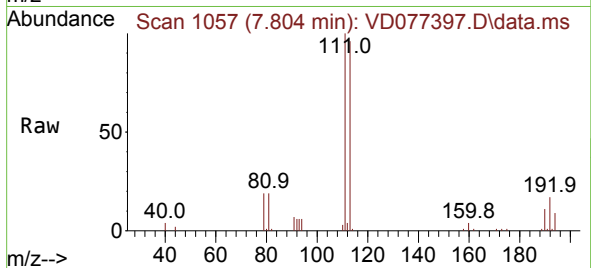
Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

Instrument :

MSVOA_D

ClientSampleId :



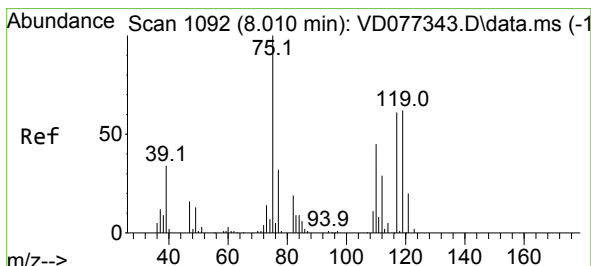
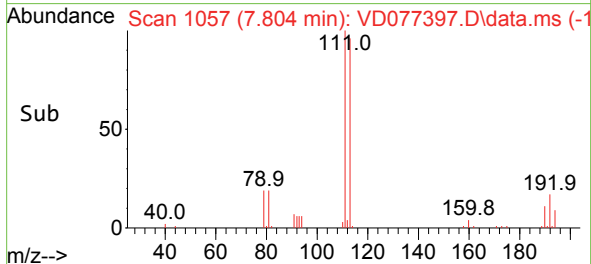
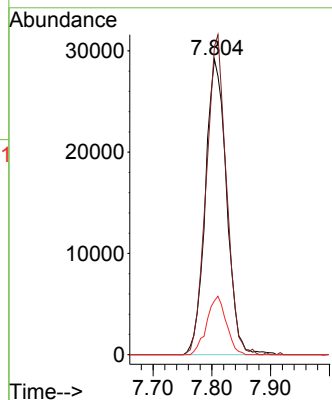
Tgt Ion:113 Resp: 72946

Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.2 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.847 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

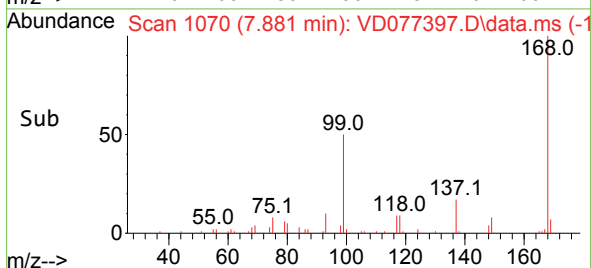
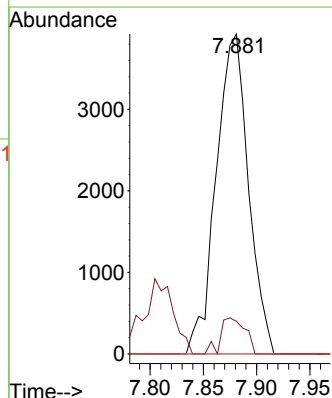
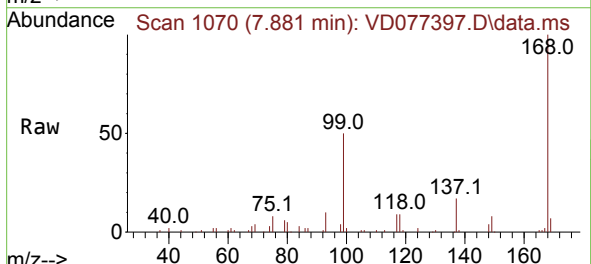
Tgt Ion: 75 Resp: 8269

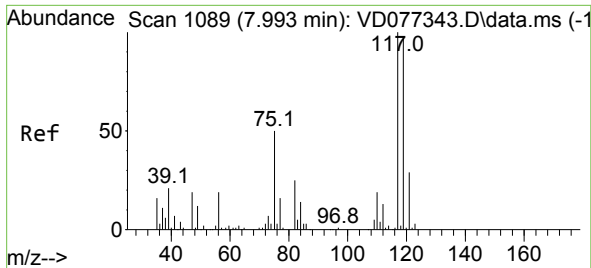
Ion Ratio Lower Upper

75 100

110 8.6 19.9 59.6#

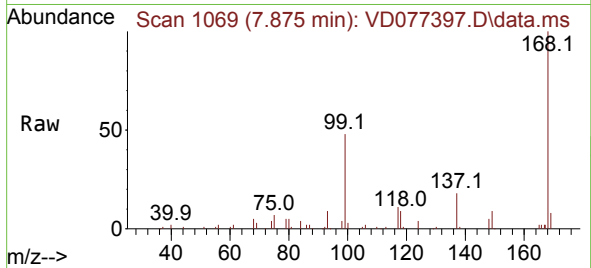
77 0.0 24.7 37.1#



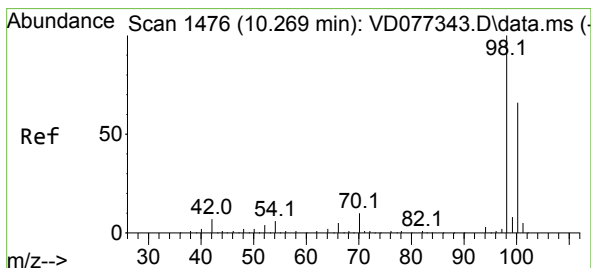
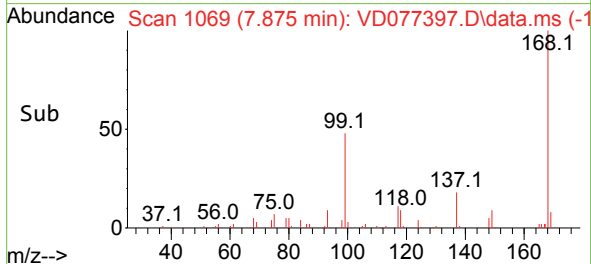
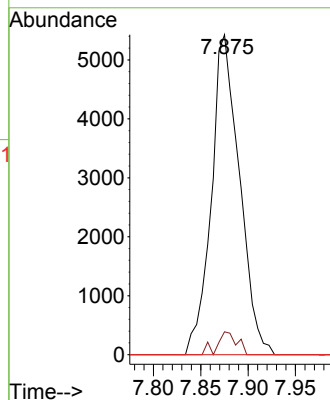


#38
Carbon Tetrachloride
Concen: 4.697 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Instrument :
MSVOA_D
ClientSampleId :

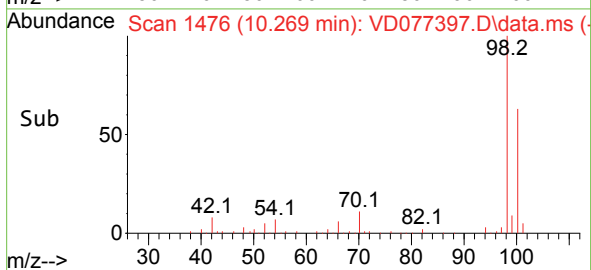
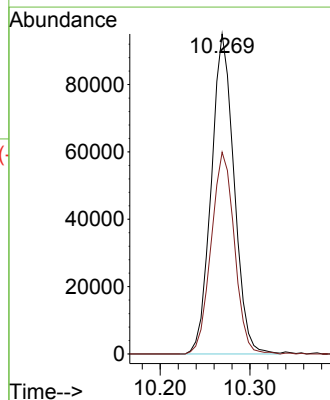
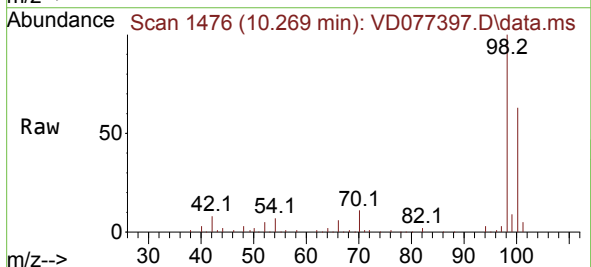


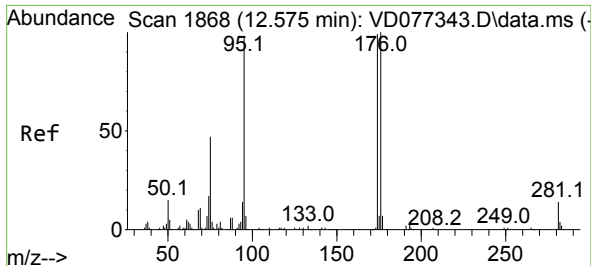
Tgt Ion:117 Resp: 11232
Ion Ratio Lower Upper
117 100
119 7.1 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 28.590 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Tgt Ion: 98 Resp: 167500
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5

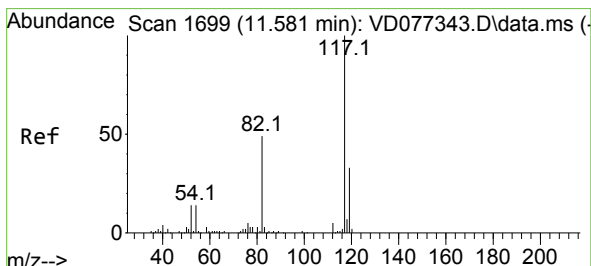
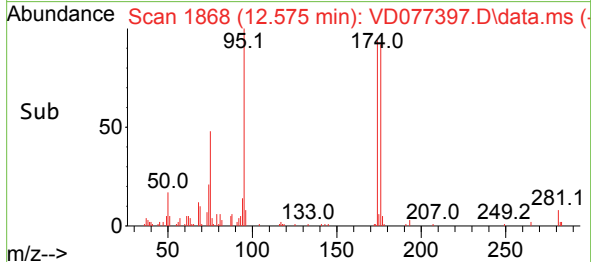
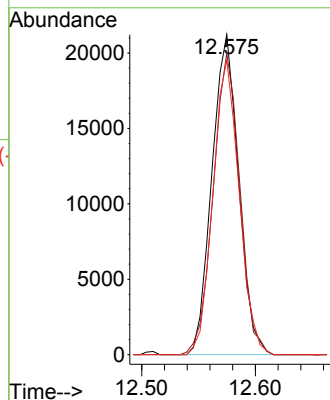
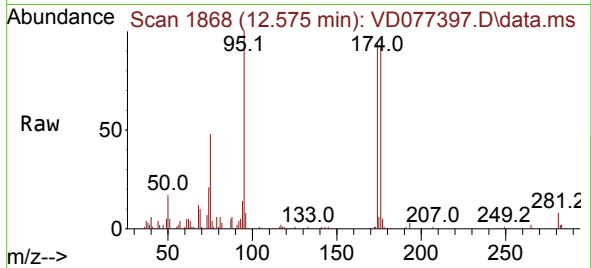




#62
4-Bromofluorobenzene
Concen: 20.533 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

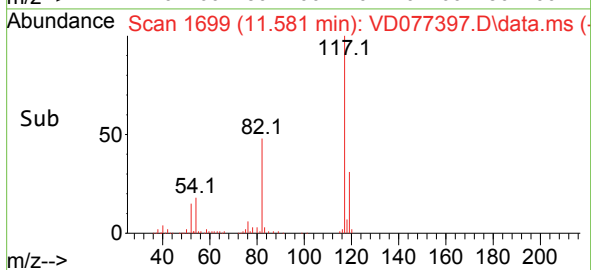
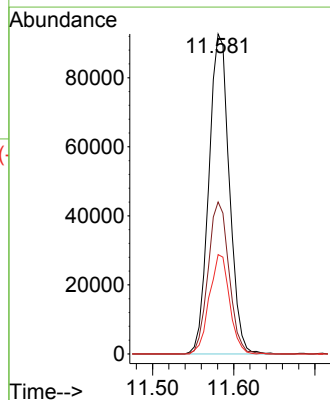
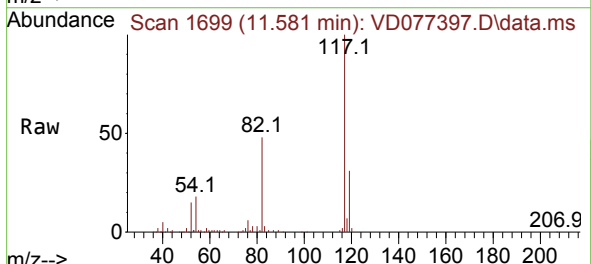
Instrument :
MSVOA_D
ClientSampleId :

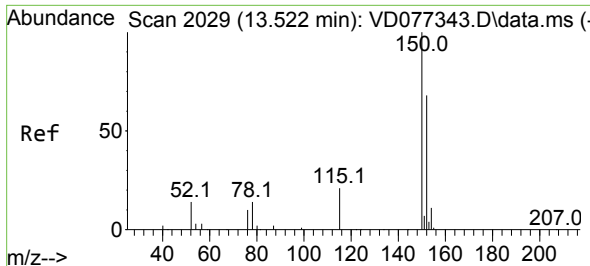
Tgt Ion: 95 Resp: 34628
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 90.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

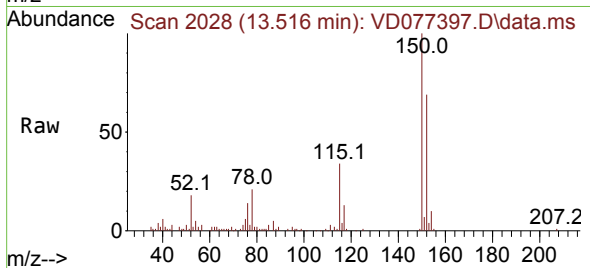
Tgt Ion: 117 Resp: 162164
Ion Ratio Lower Upper
117 100
82 47.5 38.3 57.5
119 31.1 25.0 37.4



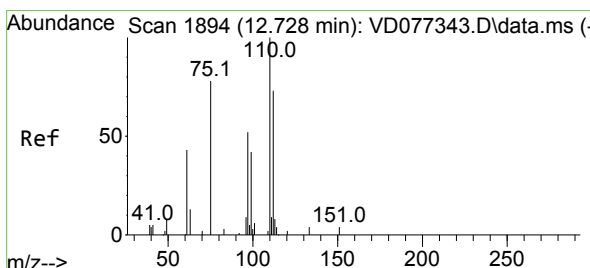
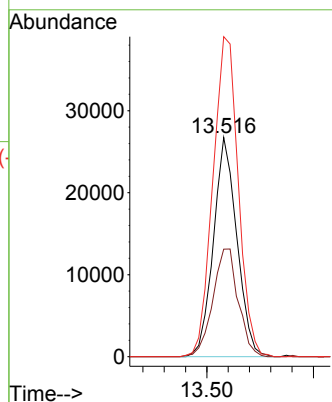
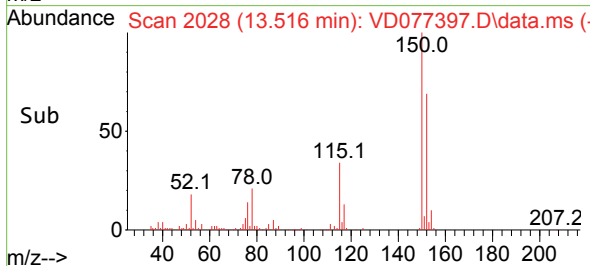


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD077397.D
 Acq: 24 Oct 2023 16:21

Instrument :
 MSVOA_D
 ClientSampleId :

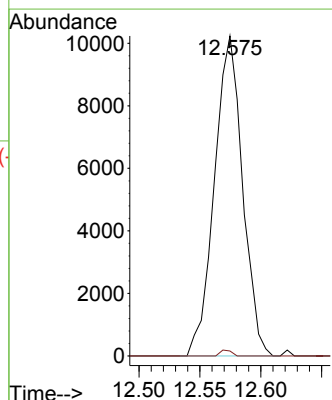
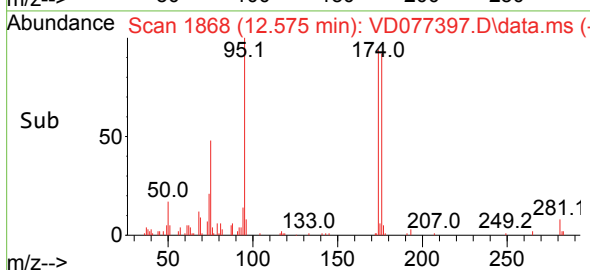
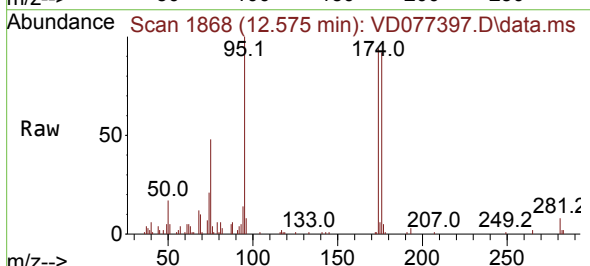


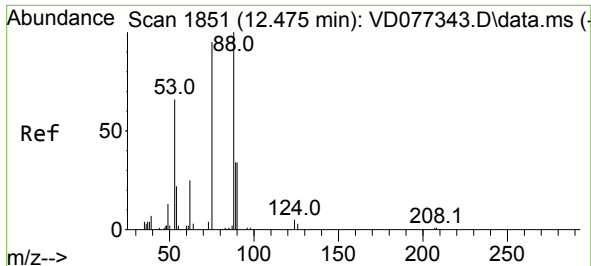
Tgt Ion:152 Resp: 40800
 Ion Ratio Lower Upper
 152 100
 115 53.2 27.1 81.3
 150 157.9 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 30.813 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077397.D
 Acq: 24 Oct 2023 16:21

Tgt Ion: 75 Resp: 16451
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

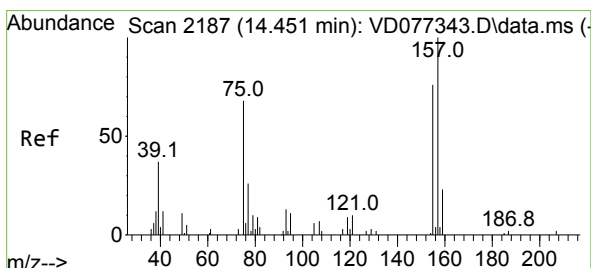
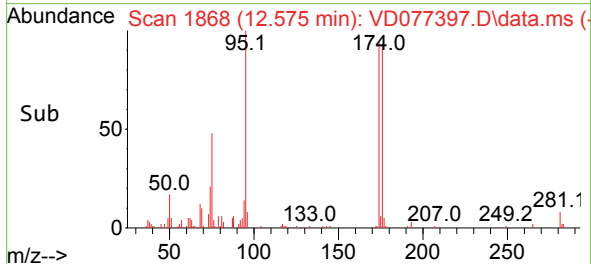
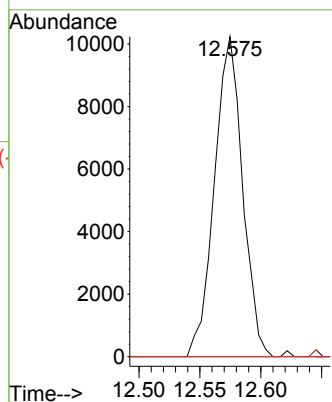
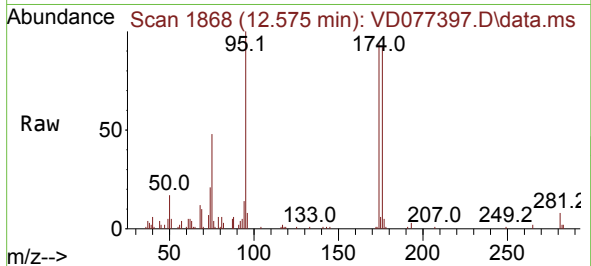




#81
trans-1,4-Dichloro-2-butene
Concen: 108.042 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

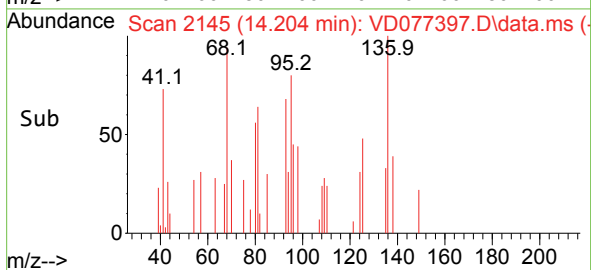
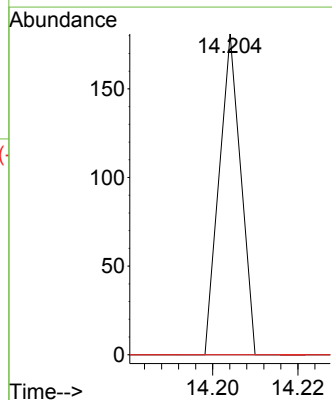
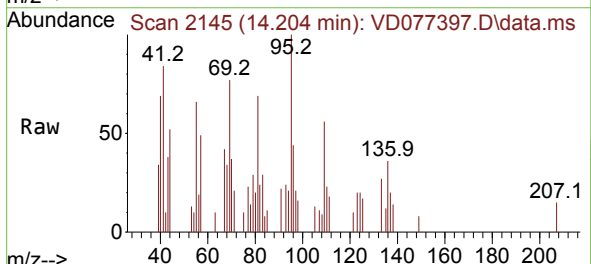
Instrument :
MSVOA_D
ClientSampleId :

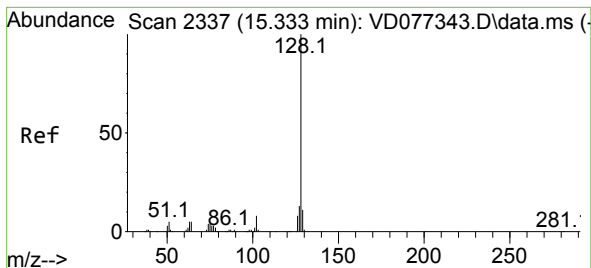
Tgt Ion: 75 Resp: 16451
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.066 ug/l
RT: 14.204 min Scan# 2145
Delta R.T. -0.247 min
Lab File: VD077397.D
Acq: 24 Oct 2023 16:21

Tgt Ion: 75 Resp: 64
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 0.0 59.9 179.7#





#95

Naphthalene

Concen: 1.182 ug/l

RT: 15.339 min Scan# 21

Delta R.T. 0.006 min

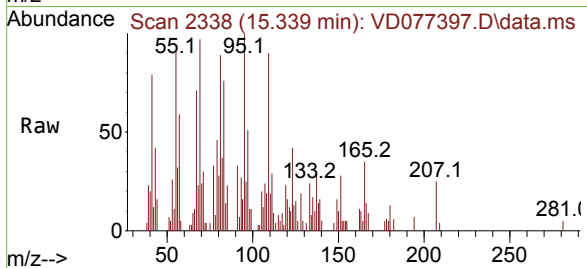
Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

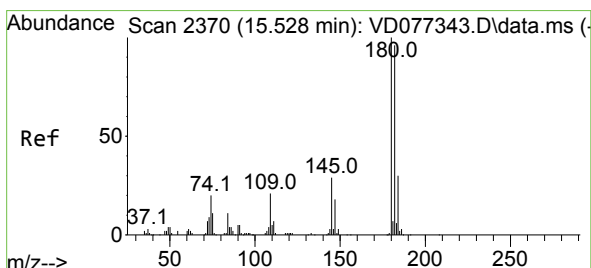
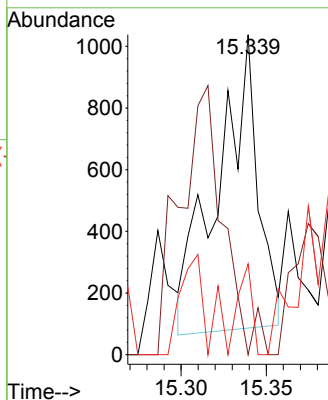
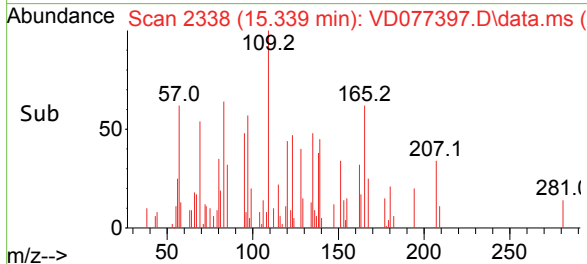
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:128	Resp:	1566
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.5 15.7#
129	28.4	8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.510 ug/l

RT: 15.545 min Scan# 2373

Delta R.T. 0.018 min

Lab File: VD077397.D

Acq: 24 Oct 2023 16:21

Tgt Ion:180	Resp:	1710
Ion Ratio	Lower	Upper
180	100	
182	41.4	47.3 141.9#
145	0.0	15.1 45.3#

