

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110823\
 Data File : VD077520.D
 Acq On : 08 Nov 2023 15:05
 Operator : JC/SY
 Sample : 05279-07
 Misc : 3.31G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 09 01:38:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

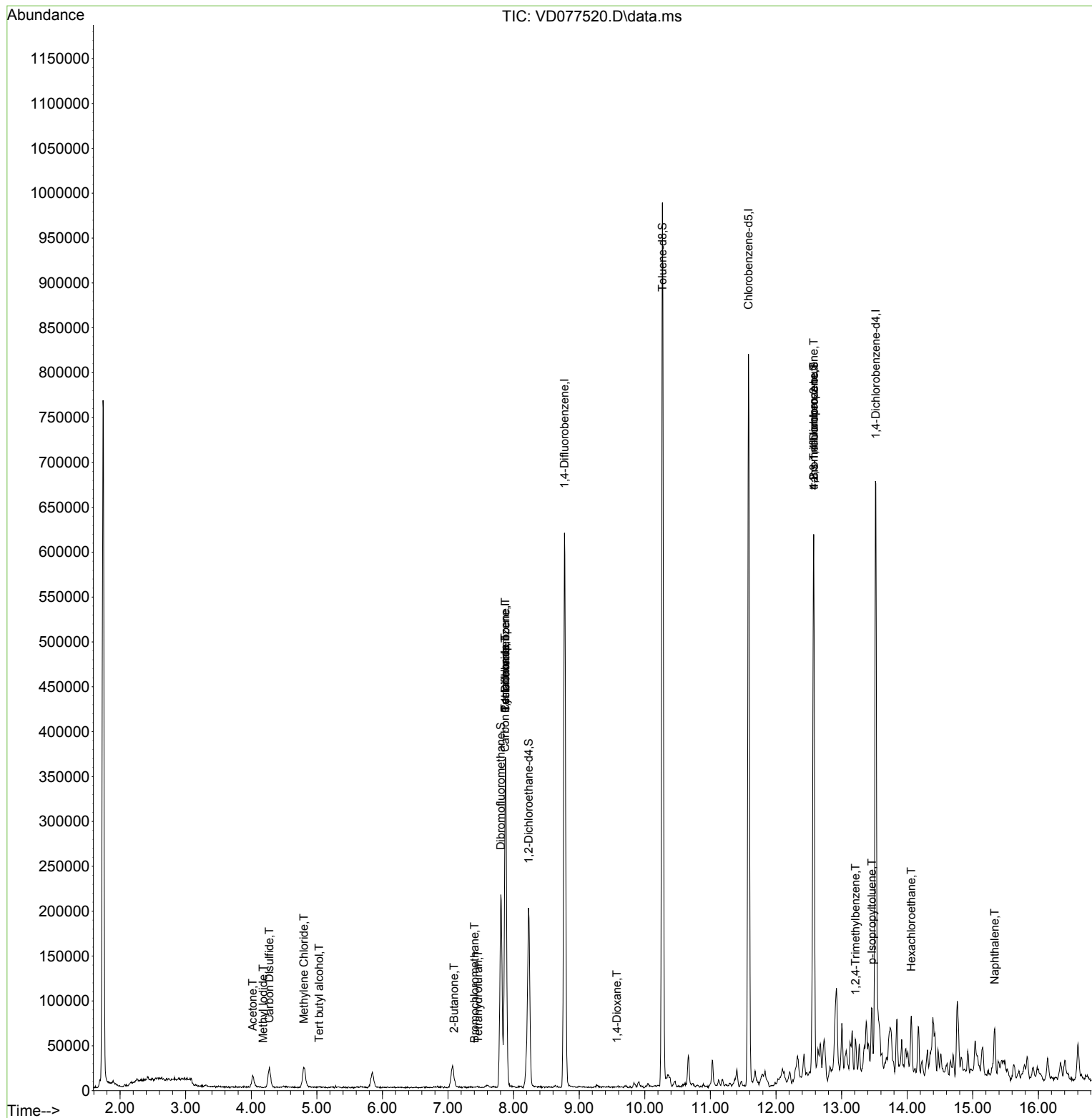
Internal Standards						
1) Pentafluorobenzene	7.875	168	267999	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	514695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	434847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	168279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	148193	39.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.200%
35) Dibromofluoromethane	7.805	113	150446	42.291	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.580%
50) Toluene-d8	10.269	98	653670	47.307	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.620%
62) 4-Bromofluorobenzene	12.575	95	176314	37.885	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.780%
Target Compounds						
						Qvalue
10) Methyl Iodide	4.181	142	67	3.166	ug/l	# 46
11) Tert butyl alcohol	5.034	59	444	1.479	ug/l	# 78
16) Acetone	4.022	43	22484	22.422	ug/l	# 69
17) Carbon Disulfide	4.275	76	41302	8.381	ug/l	98
20) Methylene Chloride	4.805	84	15295	1.723	ug/l	# 63
25) 2-Butanone	7.093	43	8454	6.320	ug/l	# 63
28) Bromochloromethane	7.405	49	57	2.123	ug/l	# 1
29) Tetrahydrofuran	7.457	42	944	1.190	ug/l	# 27
31) Cyclohexane	7.875	56	7716	1.302	ug/l	# 43
36) 1,1-Dichloropropene	7.875	75	24657	4.675	ug/l	# 47
38) Carbon Tetrachloride	7.869	117	27520	5.537	ug/l	# 14
49) 1,4-Dioxane	9.575	88	62	2.708	ug/l	# 7
76) 1,2,3-Trichloropropane	12.575	75	101406	49.512	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	101406	95.639	ug/l	# 17
84) 1,2,4-Trimethylbenzene	13.210	105	20930	1.830	ug/l	95
86) p-Isopropyltoluene	13.463	119	35465	2.946	ug/l	93
90) Hexachloroethane	14.063	117	2880	1.169	ug/l	# 11
95) Naphthalene	15.334	128	44203	6.465	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Tue Oct 31 04:19:17 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: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

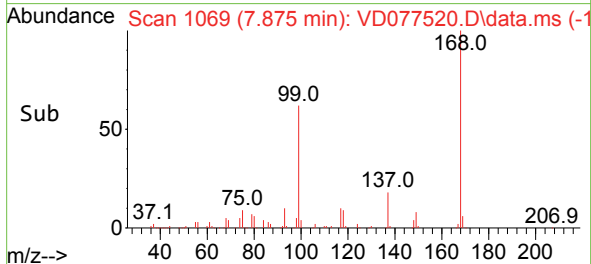
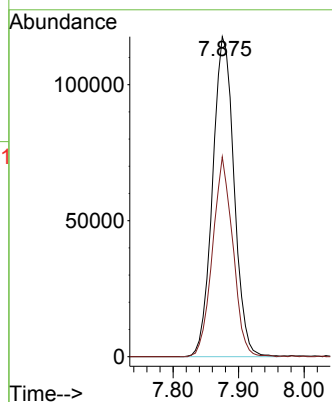
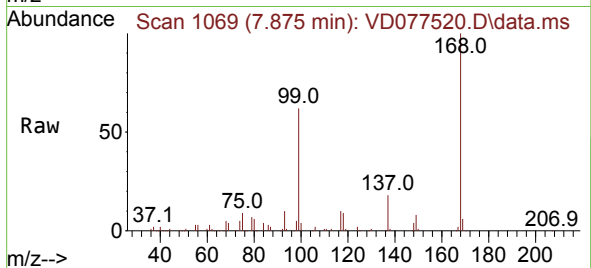
ClientSampleId :

Tgt Ion:168 Resp: 267999

Ion Ratio Lower Upper

168 100

99 62.5 36.7 55.1#



#10

Methyl Iodide

Concen: 3.166 ug/l

RT: 4.181 min Scan# 441

Delta R.T. 0.012 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

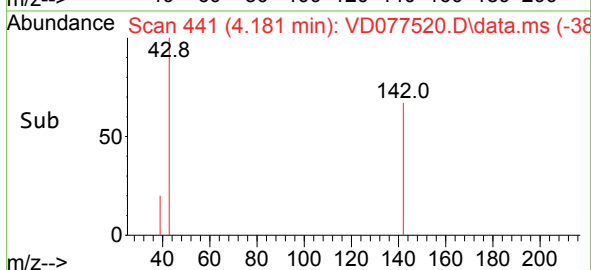
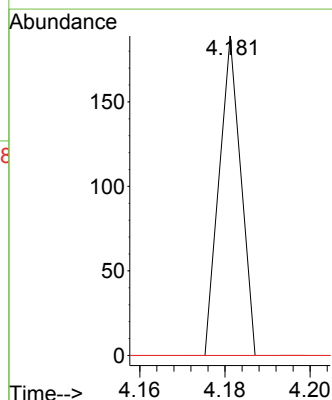
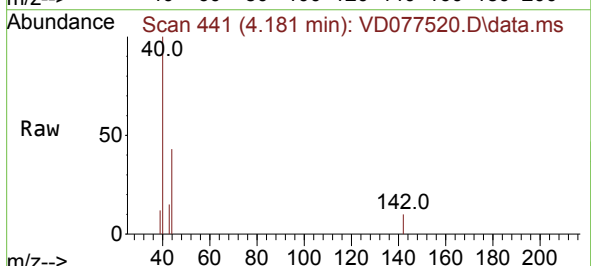
Tgt Ion:142 Resp: 67

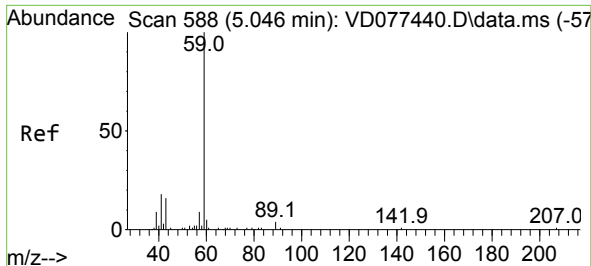
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: 1.479 ug/l

RT: 5.034 min Scan# 5

Delta R.T. -0.012 min

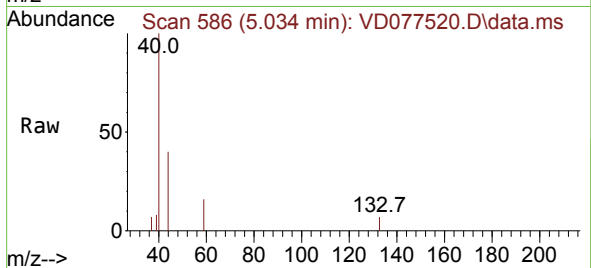
Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

ClientSampleId :

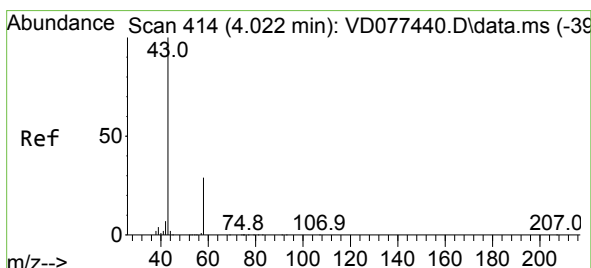
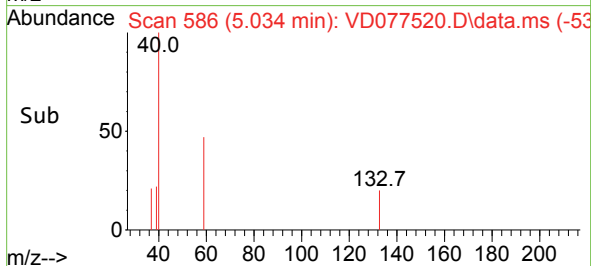
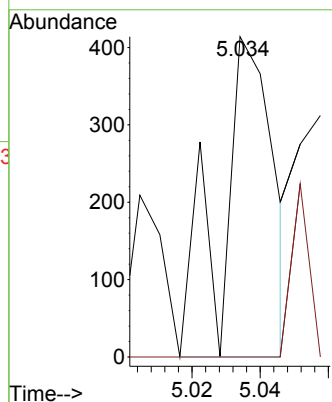


Tgt Ion: 59 Resp: 444

Ion Ratio Lower Upper

59 100

57 17.8 7.8 11.8#



#16

Acetone

Concen: 22.422 ug/l

RT: 4.022 min Scan# 414

Delta R.T. 0.000 min

Lab File: VD077520.D

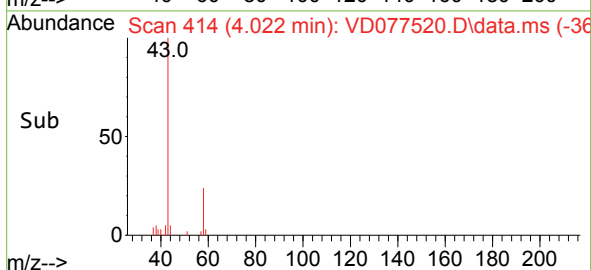
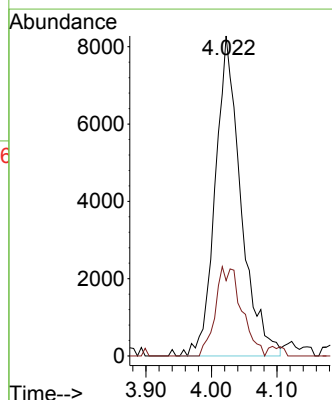
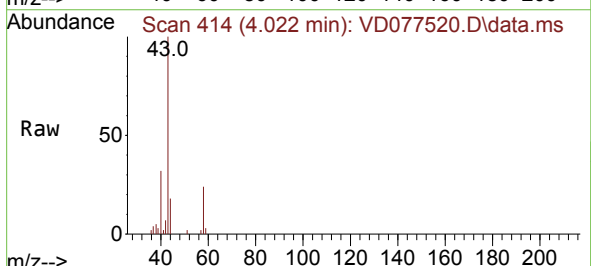
Acq: 08 Nov 2023 15:05

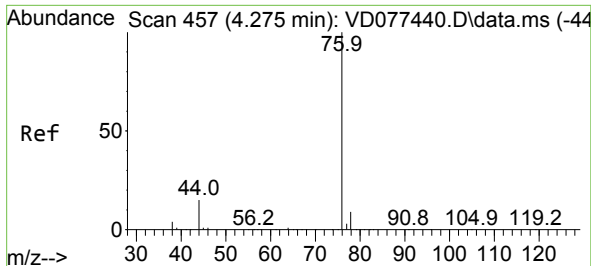
Tgt Ion: 43 Resp: 22484

Ion Ratio Lower Upper

43 100

58 23.6 34.7 52.1#





#17

Carbon Disulfide

Concen: 8.381 ug/l

RT: 4.275 min Scan# 41

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

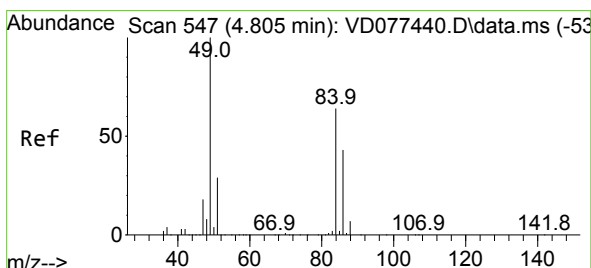
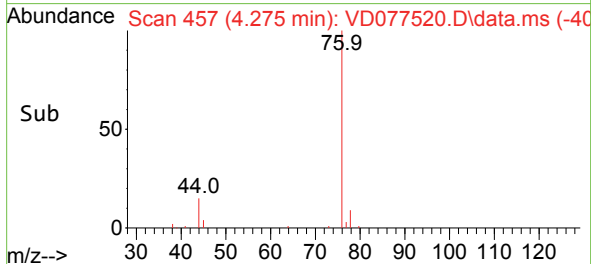
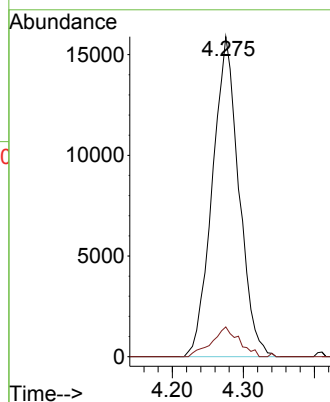
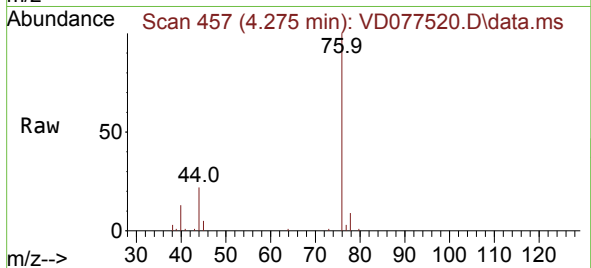
ClientSampleId :

Tgt Ion: 76 Resp: 41302

Ion Ratio Lower Upper

76 100

78 9.3 6.8 10.2



#20

Methylene Chloride

Concen: 1.723 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Tgt Ion: 84 Resp: 15295

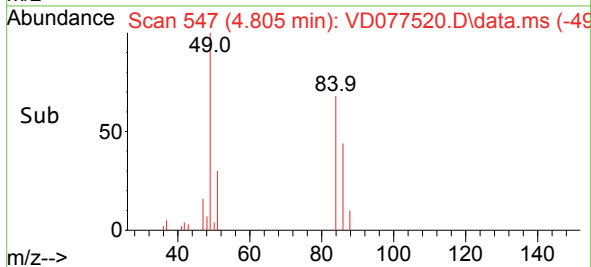
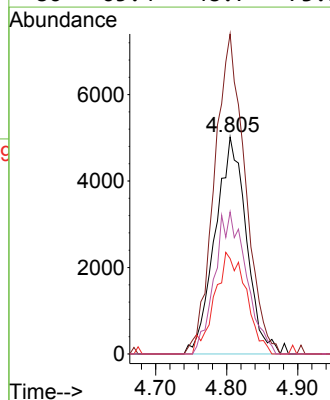
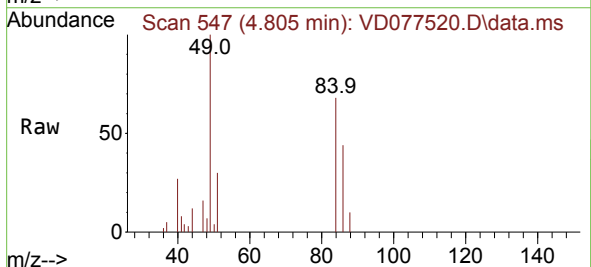
Ion Ratio Lower Upper

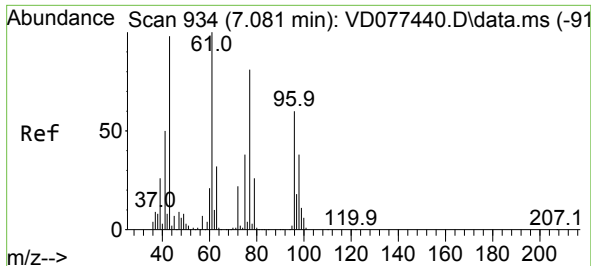
84 100

49 147.5 71.4 107.2#

51 43.9 24.5 36.7#

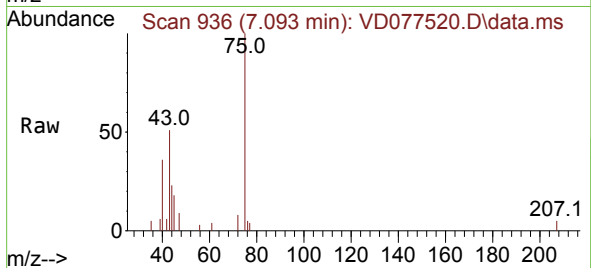
86 65.4 48.7 73.1



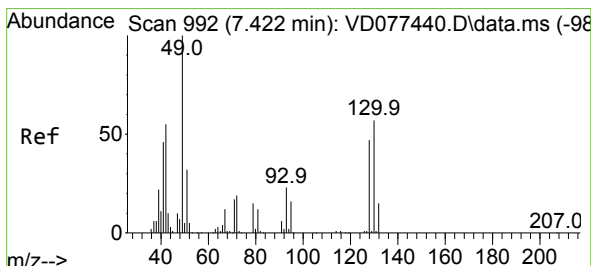
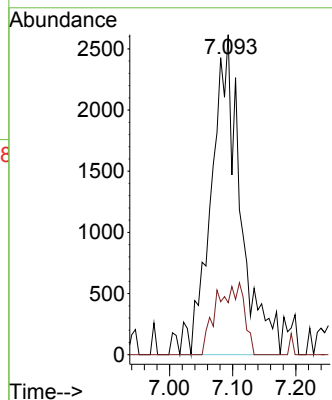
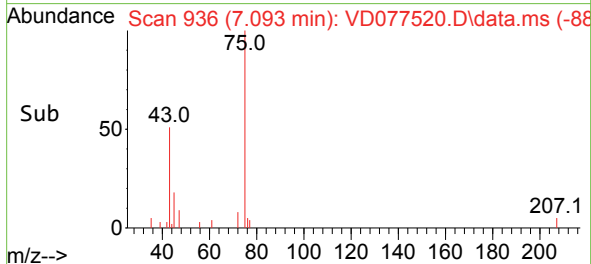


#25
2-Butanone
Concen: 6.320 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Instrument :
MSVOA_D
ClientSampleId :

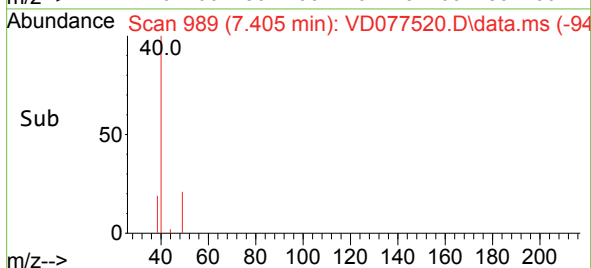
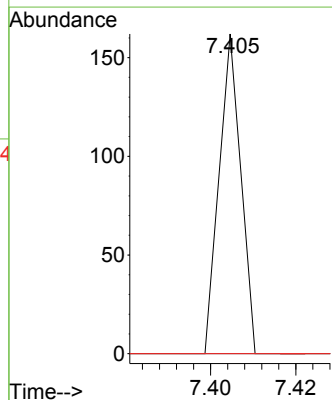
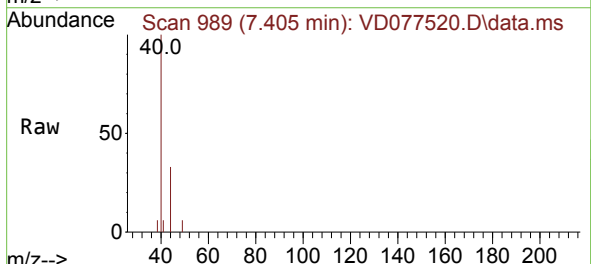


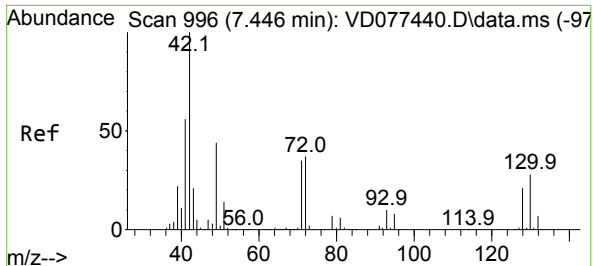
Tgt Ion: 43 Resp: 8454
Ion Ratio Lower Upper
43 100
72 16.2 30.7 46.1#



#28
Bromochloromethane
Concen: 2.123 ug/l
RT: 7.405 min Scan# 989
Delta R.T. -0.017 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 49 Resp: 57
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 1.190 ug/l

RT: 7.457 min Scan# 996

Delta R.T. 0.012 min

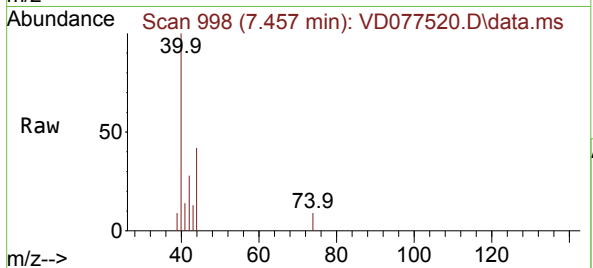
Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

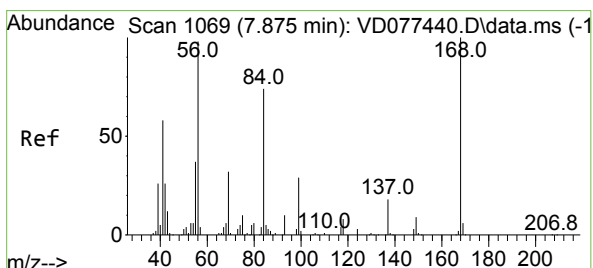
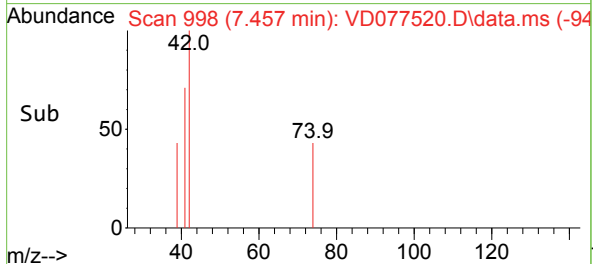
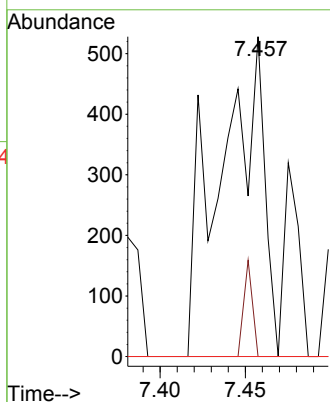
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	944
Ion Ratio	Lower	Upper	
42	100		
72	5.9	46.5	69.7#
71	0.0	44.5	66.7#



#31

Cyclohexane

Concen: 1.302 ug/l

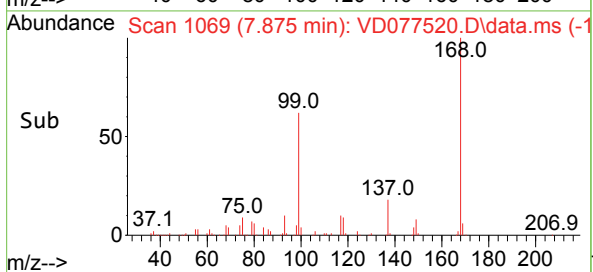
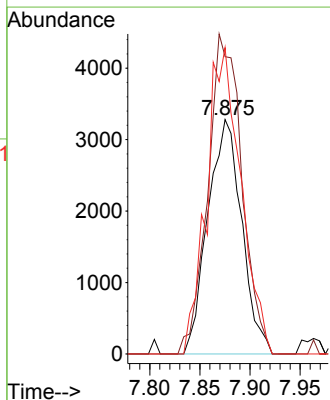
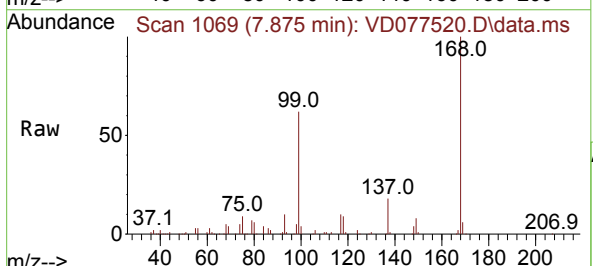
RT: 7.875 min Scan# 1069

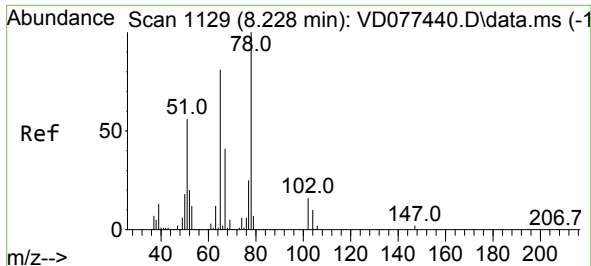
Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Tgt Ion:	56	Resp:	7716
Ion Ratio	Lower	Upper	
56	100		
69	126.8	28.6	43.0#
84	130.7	84.8	127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.105 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

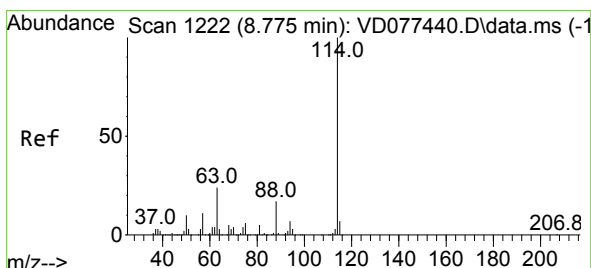
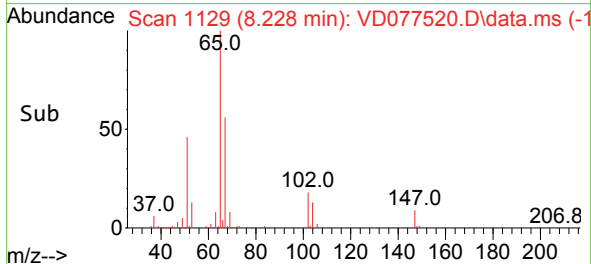
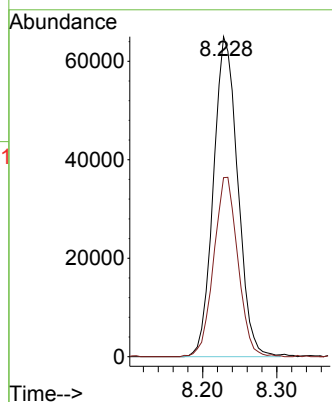
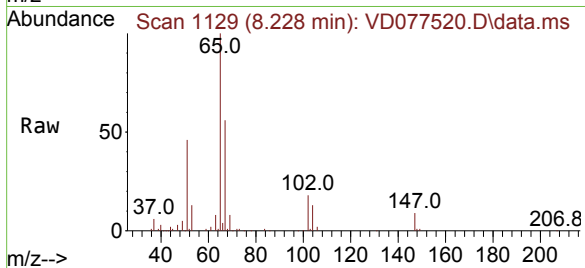
ClientSampleId :

Tgt Ion: 65 Resp: 148193

Ion Ratio Lower Upper

65 100

67 55.7 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

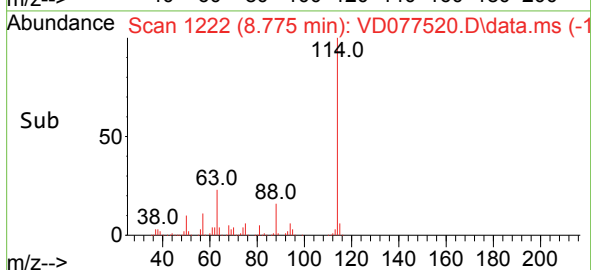
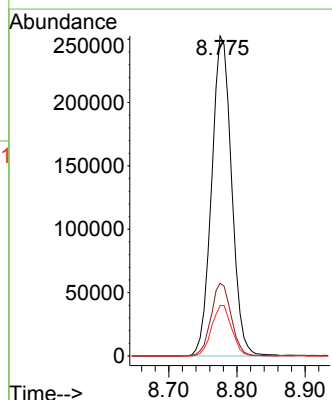
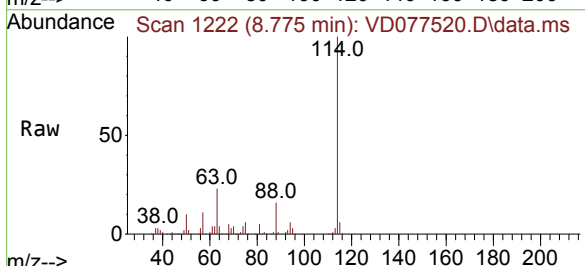
Tgt Ion: 114 Resp: 514695

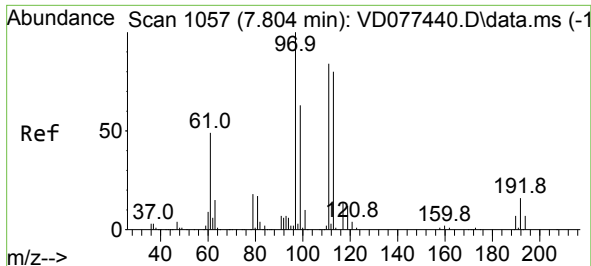
Ion Ratio Lower Upper

114 100

63 22.7 0.0 33.4

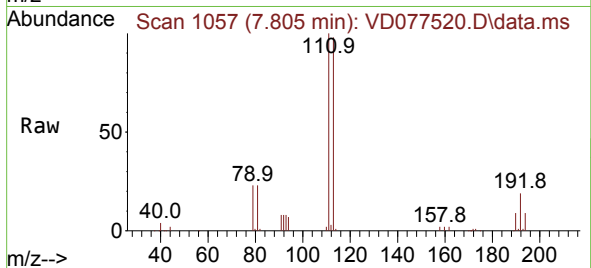
88 15.7 0.0 26.2



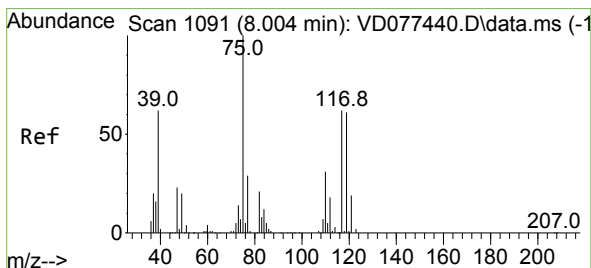
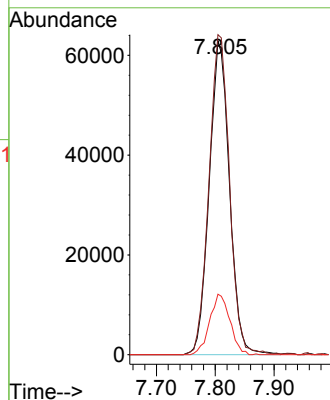
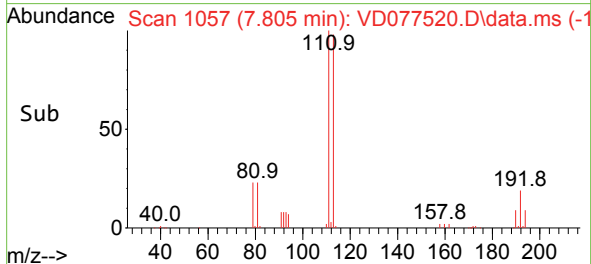


#35
Dibromofluoromethane
Concen: 42.291 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Instrument :
MSVOA_D
ClientSampleId :

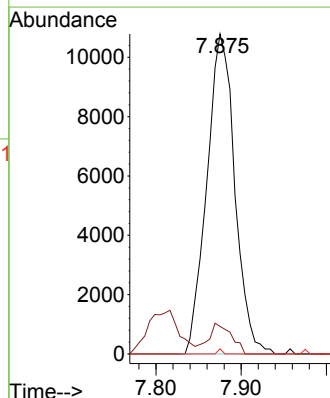
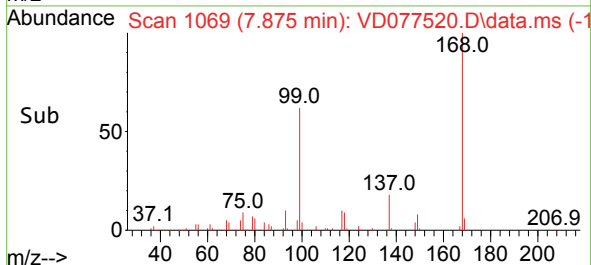
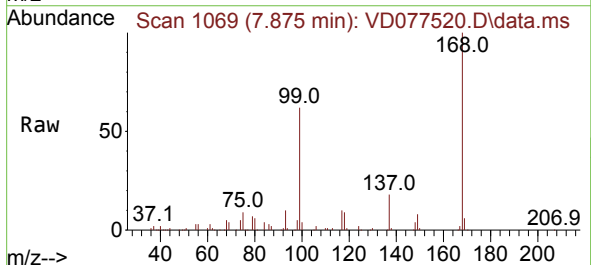


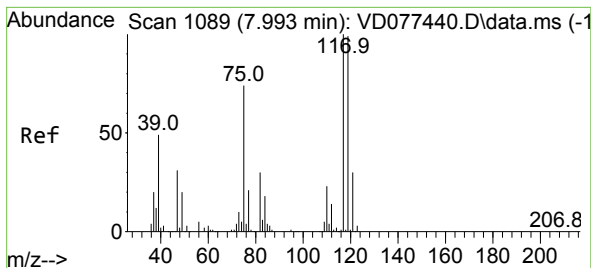
Tgt Ion:113 Resp: 150446
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 19.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 75 Resp: 24657
Ion Ratio Lower Upper
75 100
110 7.9 19.9 59.6#
77 0.2 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.537 ug/l

RT: 7.869 min Scan# 1

Delta R.T. -0.123 min

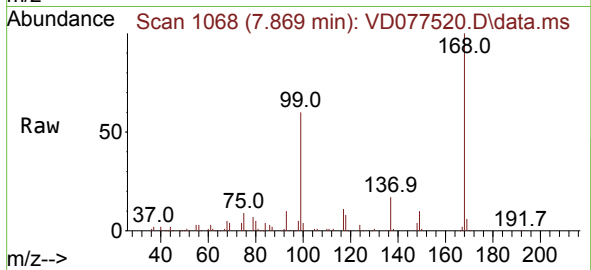
Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

ClientSampleId :



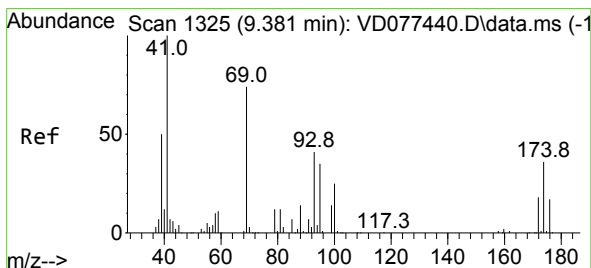
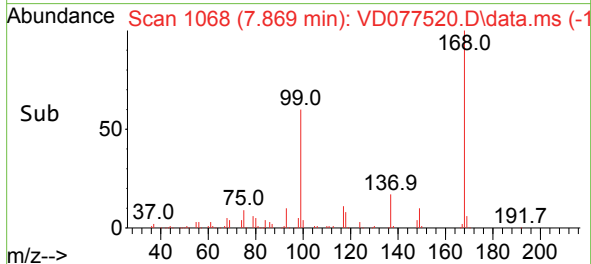
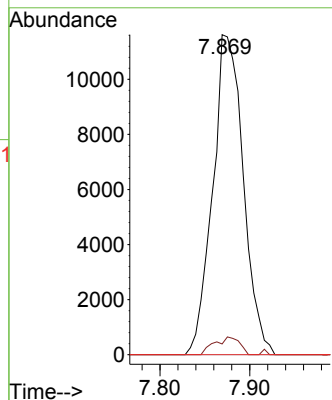
Tgt Ion:117 Resp: 27520

Ion Ratio Lower Upper

117 100

119 3.4 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 2.708 ug/l

RT: 9.575 min Scan# 1358

Delta R.T. 0.194 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

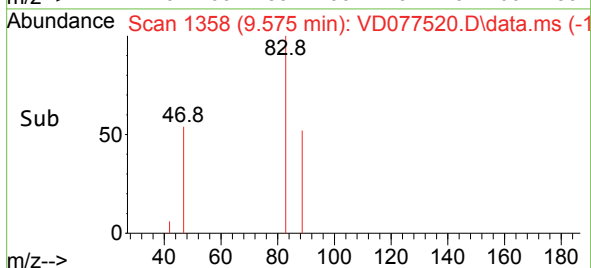
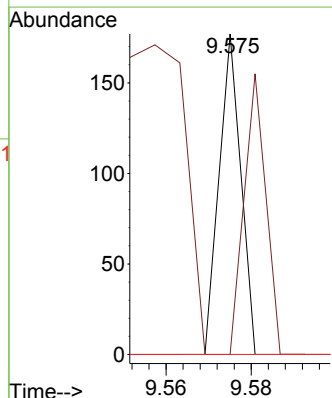
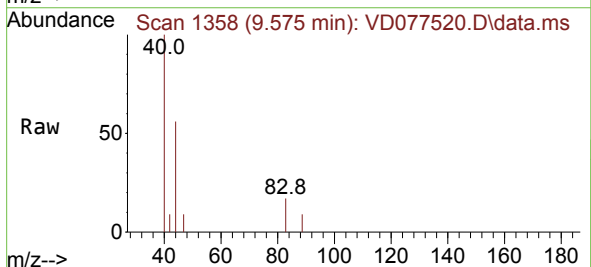
Tgt Ion: 88 Resp: 62

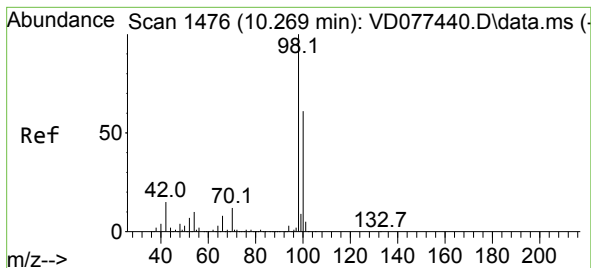
Ion Ratio Lower Upper

88 100

43 88.7 19.0 28.6#

58 0.0 43.5 65.3#





#50

Toluene-d8

Concen: 47.307 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

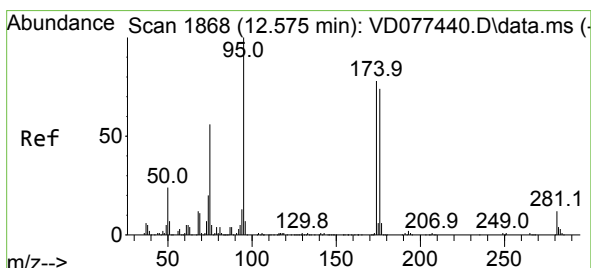
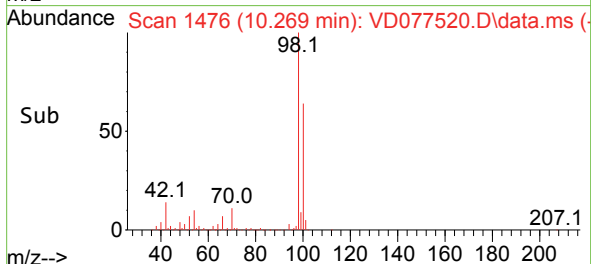
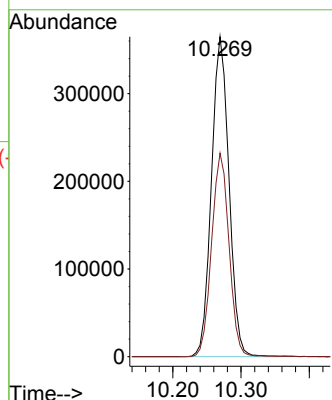
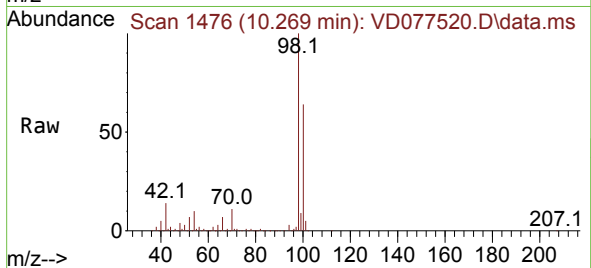
ClientSampleId :

Tgt Ion: 98 Resp: 653670

Ion Ratio Lower Upper

98 100

100 63.3 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 37.885 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

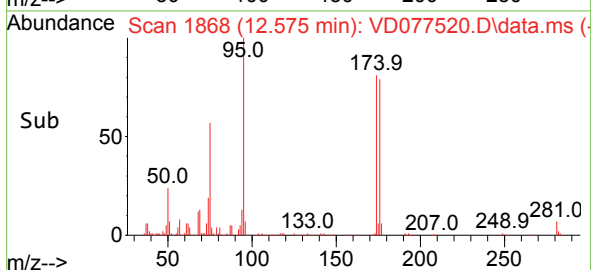
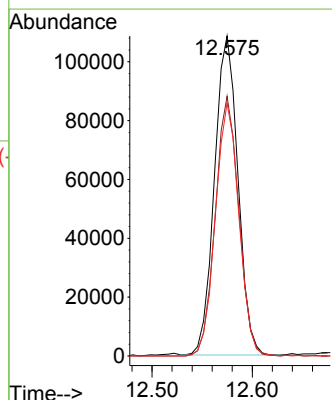
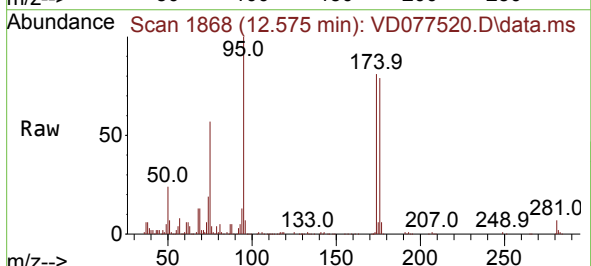
Tgt Ion: 95 Resp: 176314

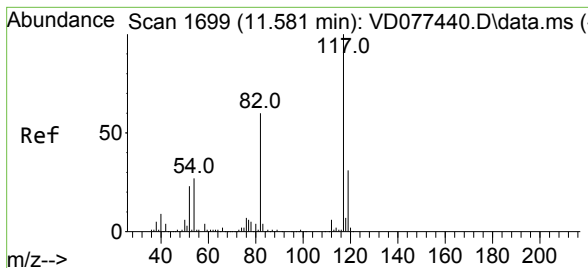
Ion Ratio Lower Upper

95 100

174 81.2 0.0 201.8

176 79.4 0.0 191.8

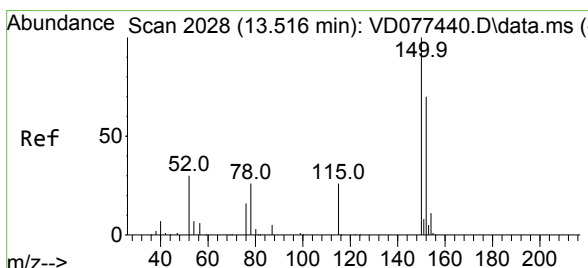
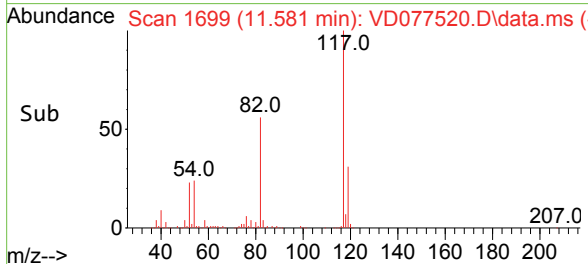
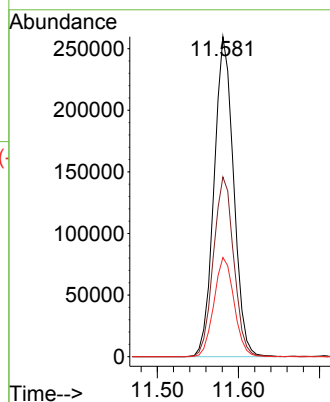
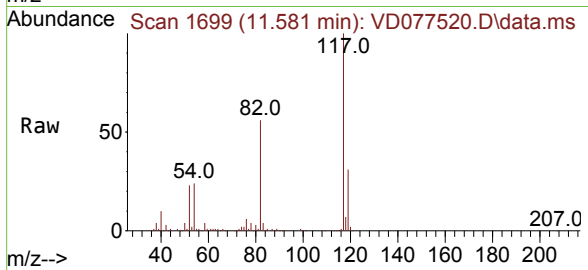




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

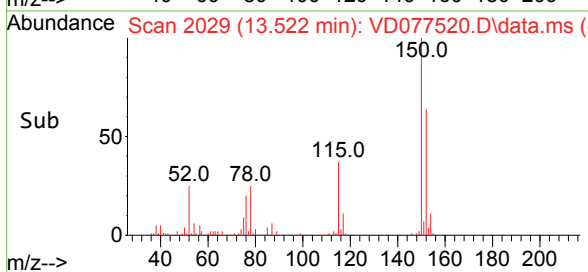
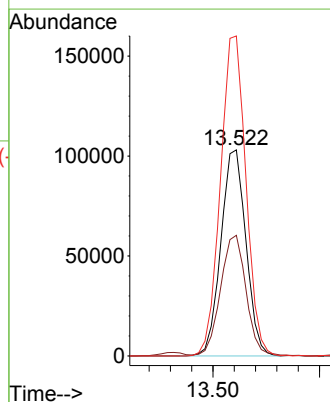
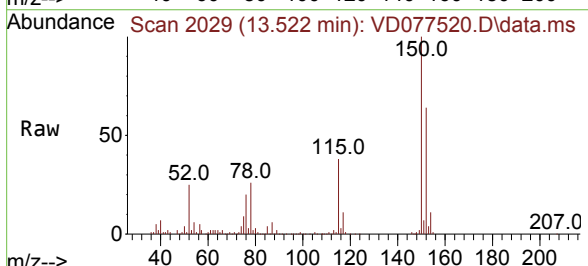
Instrument :
MSVOA_D
ClientSampleId :

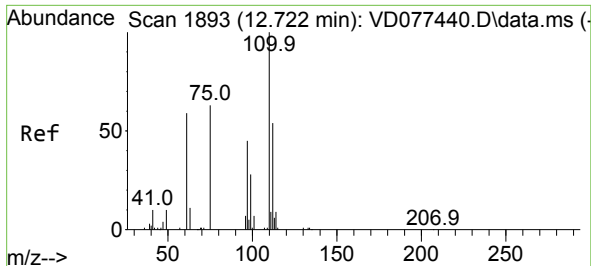
Tgt Ion:117 Resp: 434847
Ion Ratio Lower Upper
117 100
82 56.1 38.3 57.5
119 31.0 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion:152 Resp: 168279
Ion Ratio Lower Upper
152 100
115 59.8 27.1 81.3
150 157.8 0.0 353.6

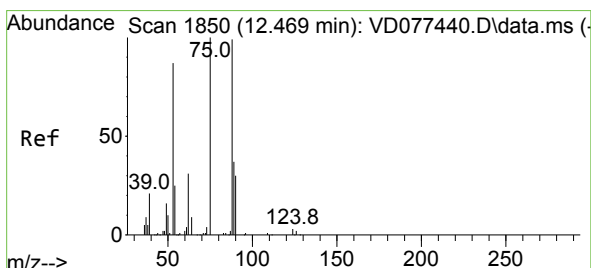
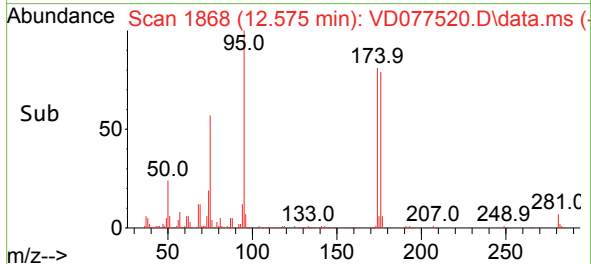
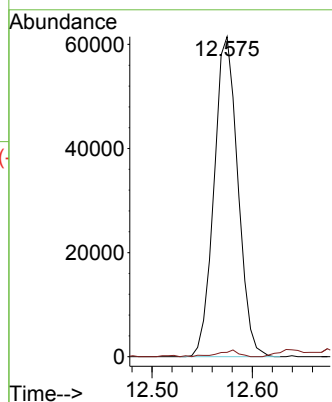
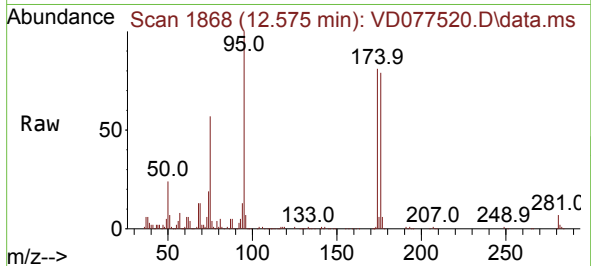




#76
1,2,3-Trichloropropane
Concen: 49.512 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

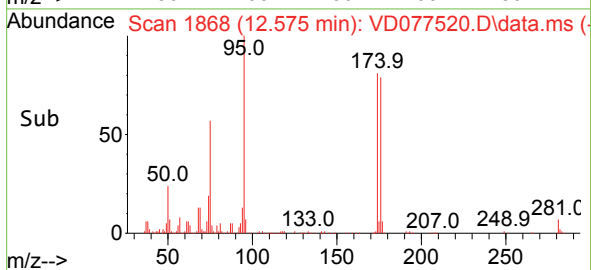
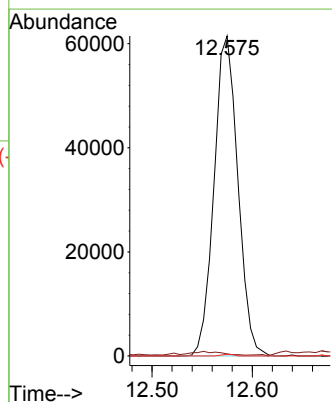
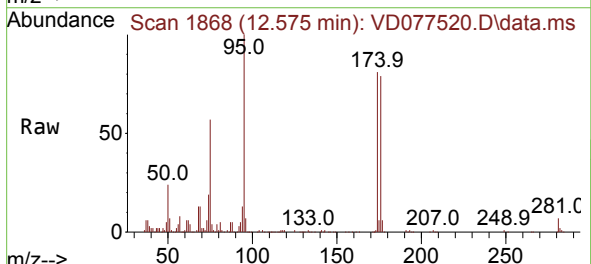
Instrument :
MSVOA_D
ClientSampleId :

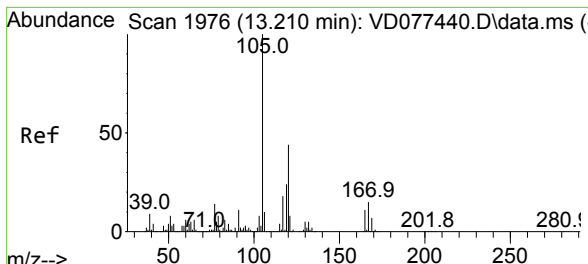
Tgt Ion: 75 Resp: 101406
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.639 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077520.D
Acq: 08 Nov 2023 15:05

Tgt Ion: 75 Resp: 101406
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.3 37.9 56.9#

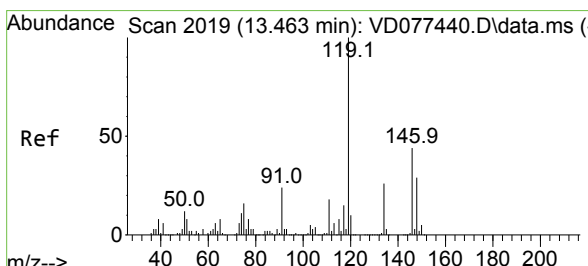
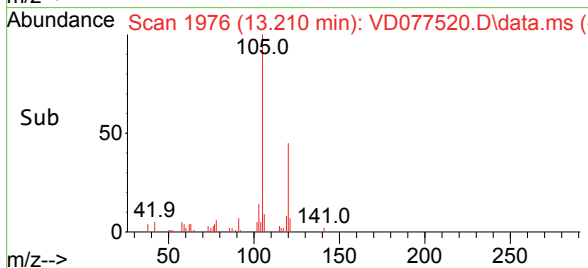
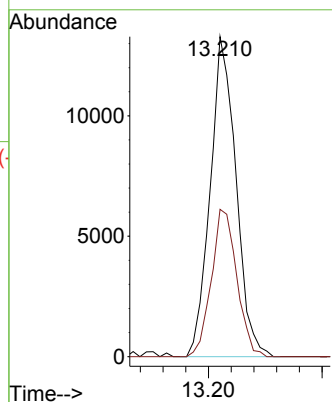
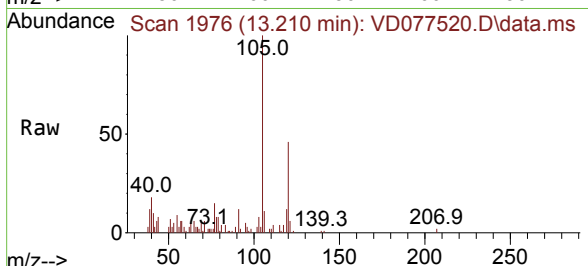




#84
 1,2,4-Trimethylbenzene
 Concen: 1.830 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD077520.D
 Acq: 08 Nov 2023 15:05

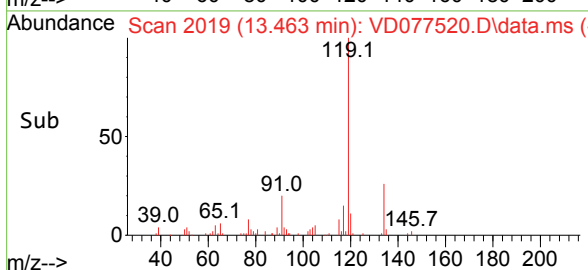
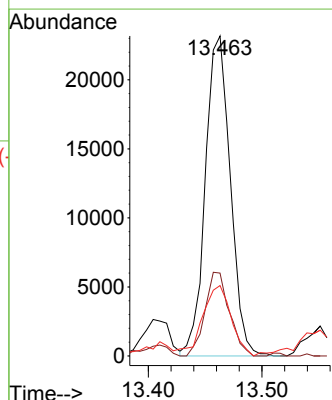
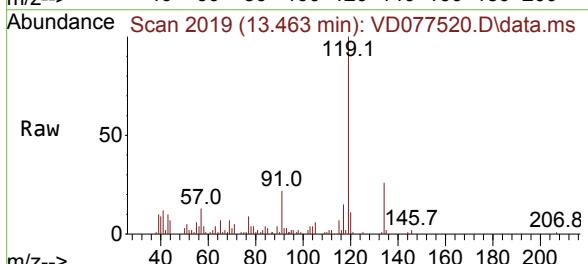
Instrument :
 MSVOA_D
 ClientSampleId :

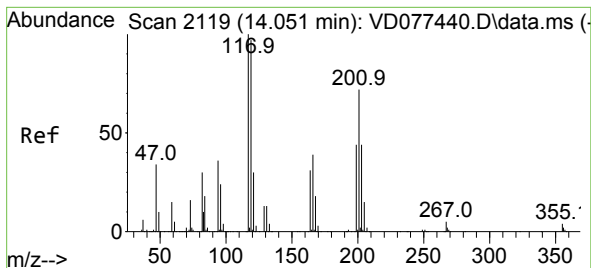
Tgt Ion:105 Resp: 20930
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.3 72.9



#86
 p-Isopropyltoluene
 Concen: 2.946 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077520.D
 Acq: 08 Nov 2023 15:05

Tgt Ion:119 Resp: 35465
 Ion Ratio Lower Upper
 119 100
 134 25.5 14.2 42.6
 91 24.7 10.5 31.5





#90

Hexachloroethane

Concen: 1.169 ug/l

RT: 14.063 min Scan# 2119

Delta R.T. 0.012 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Instrument :

MSVOA_D

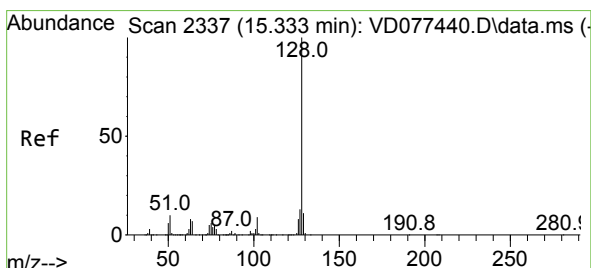
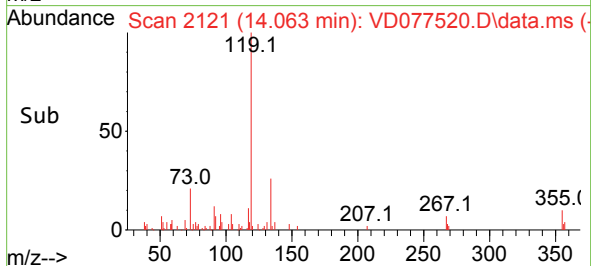
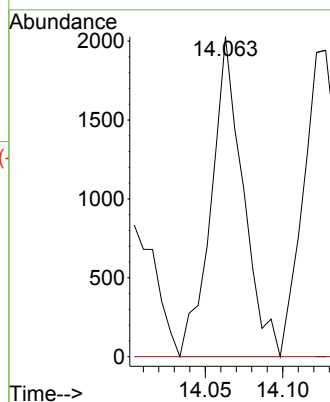
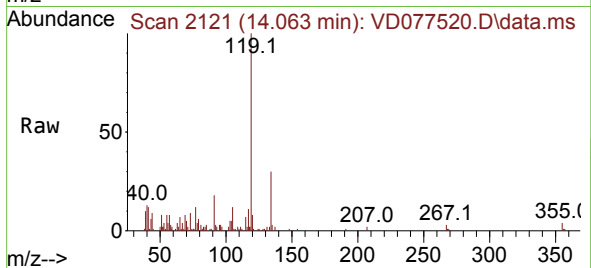
ClientSampleId :

Tgt Ion:117 Resp: 2880

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.5#



#95

Naphthalene

Concen: 6.465 ug/l

RT: 15.334 min Scan# 2337

Delta R.T. 0.000 min

Lab File: VD077520.D

Acq: 08 Nov 2023 15:05

Tgt Ion:128 Resp: 44203

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

129 12.0 8.7 13.1

