

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077993.D
 Acq On : 20 Dec 2023 14:08
 Operator : RP/MD
 Sample : 05827-06
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:23:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

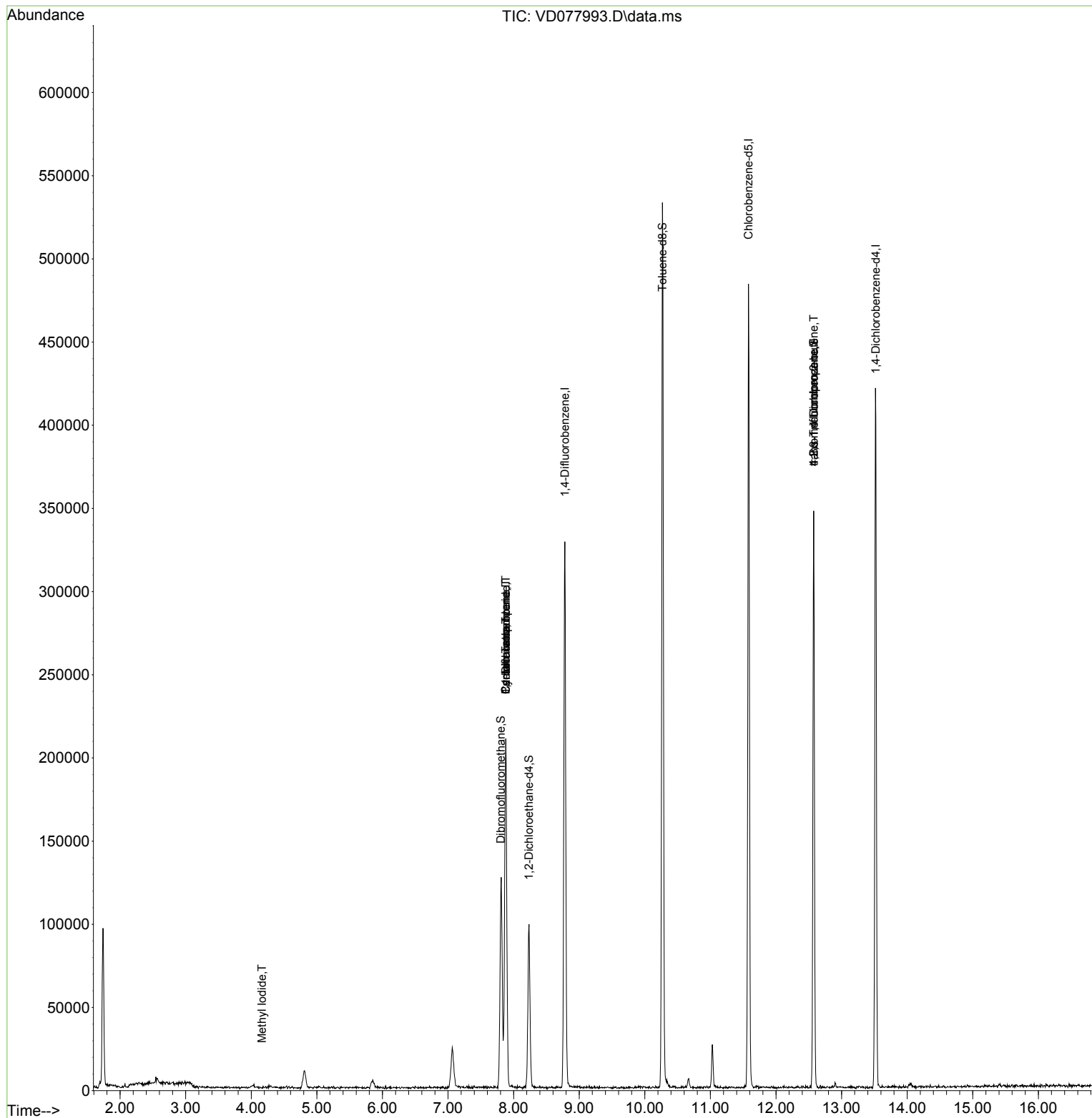
Internal Standards						
1) Pentafluorobenzene	7.881	168	162108	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	290254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	276365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	111329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	74175	38.831	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.660%
35) Dibromofluoromethane	7.805	113	90878	44.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.400%
50) Toluene-d8	10.269	98	374732	46.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.040%
62) 4-Bromofluorobenzene	12.575	95	101065	41.513	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.020%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	60	6.771	ug/l	# 46
11) Tert butyl alcohol	5.064	59	235	Below Cal	#	73
16) Acetone	4.028	43	1488	Below Cal	#	62
20) Methylene Chloride	4.811	84	7730	Below Cal	#	83
25) 2-Butanone	7.069	43	1374	Below Cal	#	37
31) Cyclohexane	7.881	56	3784	1.114	ug/l	# 16
36) 1,1-Dichloropropene	7.881	75	13756	4.230	ug/l	# 50
38) Carbon Tetrachloride	7.881	117	16806	5.184	ug/l	# 16
65) Chlorobenzene	11.604	112	57	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	53656	55.493	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	53656	112.433	ug/l	# 17
88) 1,4-Dichlorobenzene	13.545	146	55	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.416	75	60	Below Cal	#	1

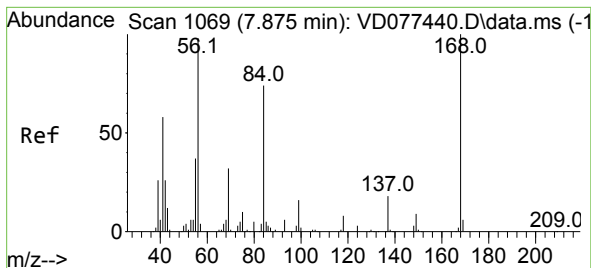
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 14:48:10 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

Instrument :

MSVOA_D

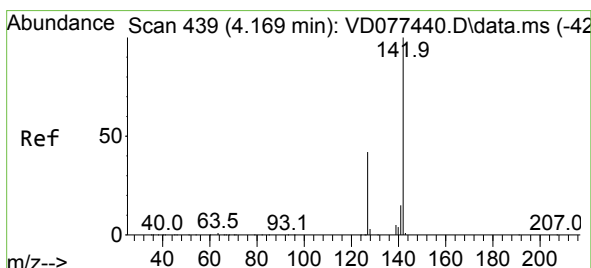
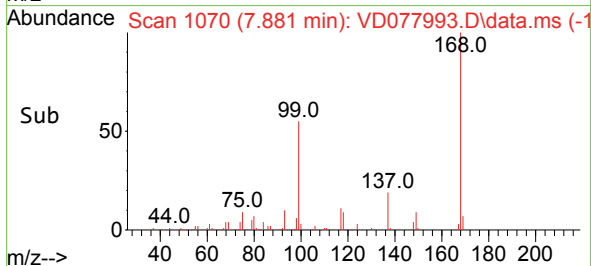
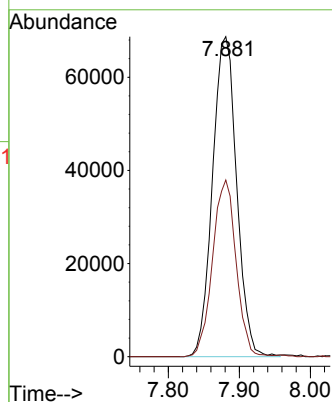
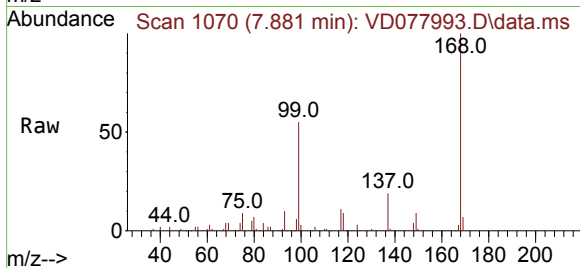
ClientSampleId :

Tgt Ion:168 Resp: 162108

Ion Ratio Lower Upper

168 100

99 55.2 36.7 55.1#



#10

Methyl Iodide

Concen: 6.771 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

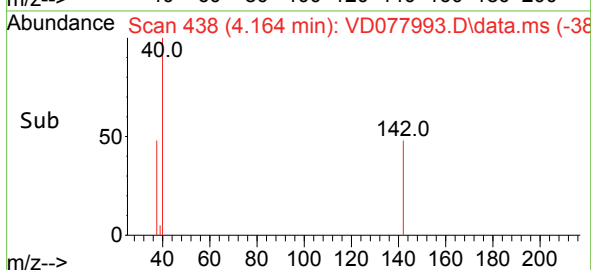
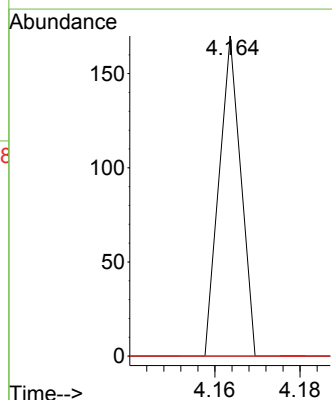
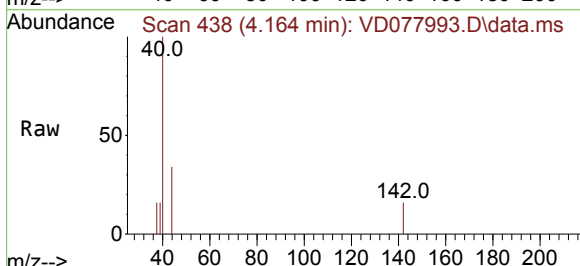
Tgt Ion:142 Resp: 60

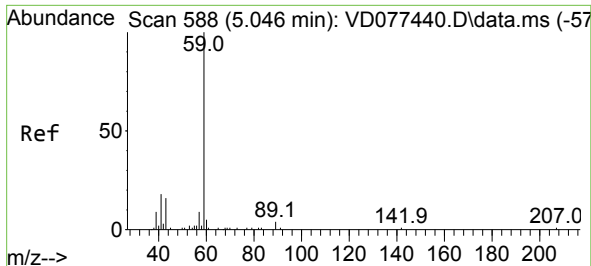
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.064 min Scan# 59

Delta R.T. 0.018 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

Instrument :

MSVOA_D

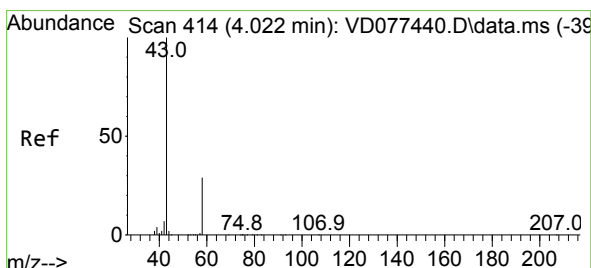
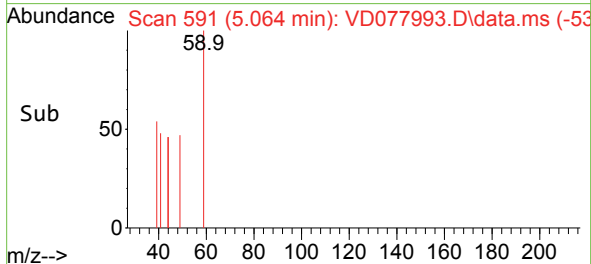
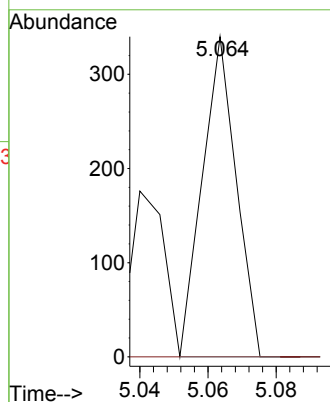
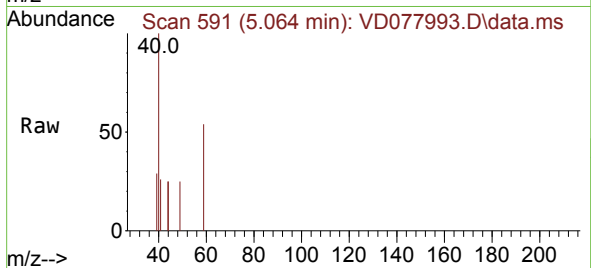
ClientSampleId :

Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.028 min Scan# 415

Delta R.T. 0.006 min

Lab File: VD077993.D

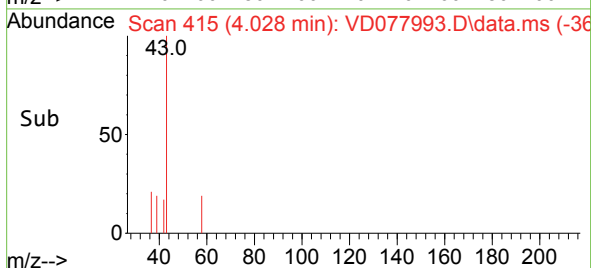
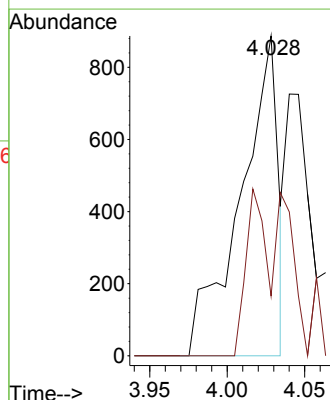
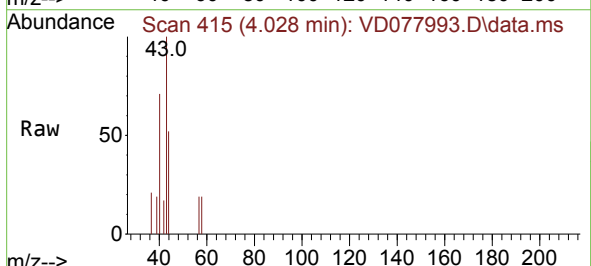
Acq: 20 Dec 2023 14:08

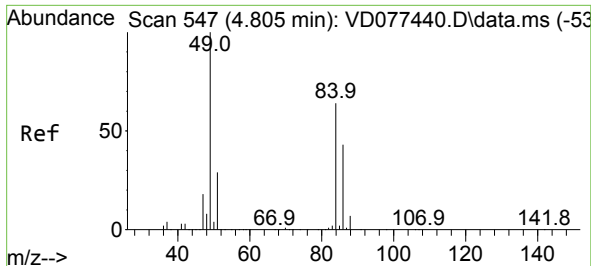
Tgt Ion: 43 Resp: 1488

Ion Ratio Lower Upper

43 100

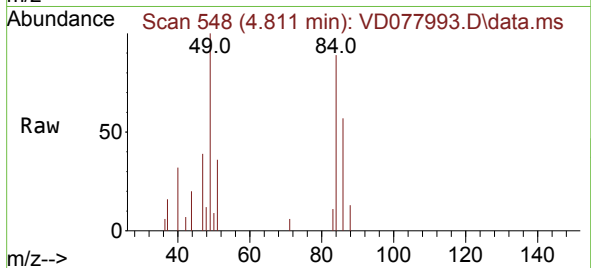
58 18.7 34.7 52.1#



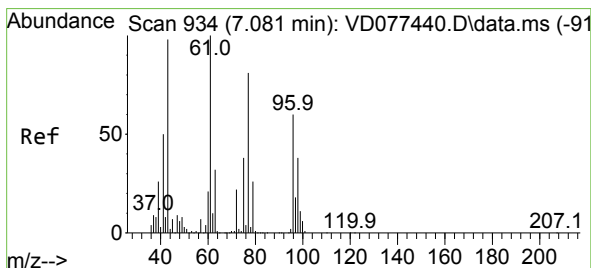
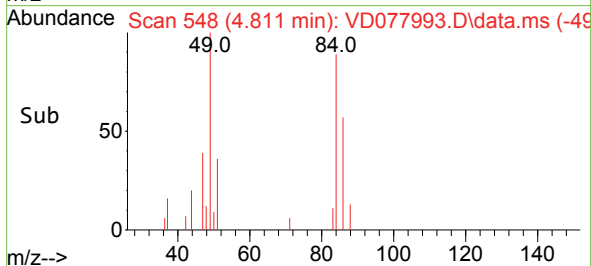
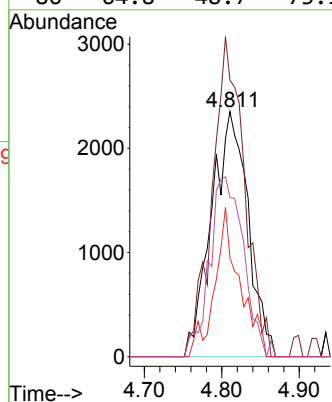


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

Instrument :
MSVOA_D
ClientSampleId :

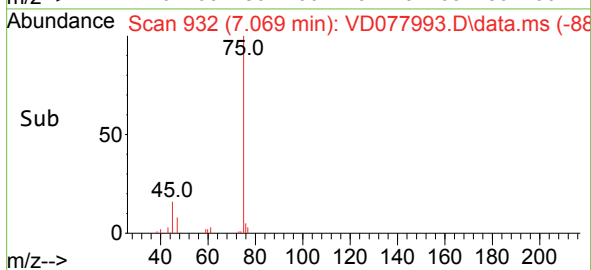
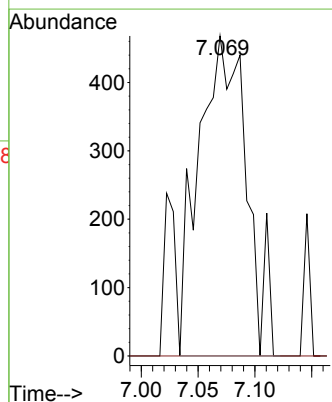
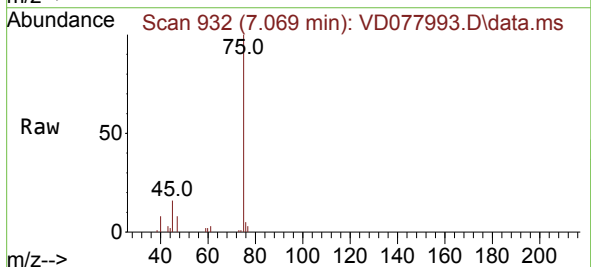


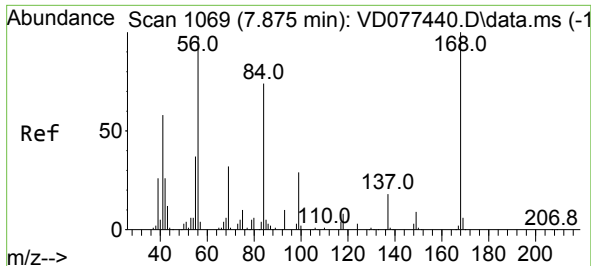
Tgt Ion: 84 Resp: 7730
Ion Ratio Lower Upper
84 100
49 112.7 71.4 107.2#
51 40.4 24.5 36.7#
86 64.8 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

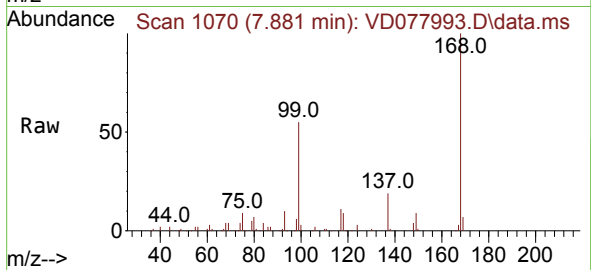
Tgt Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



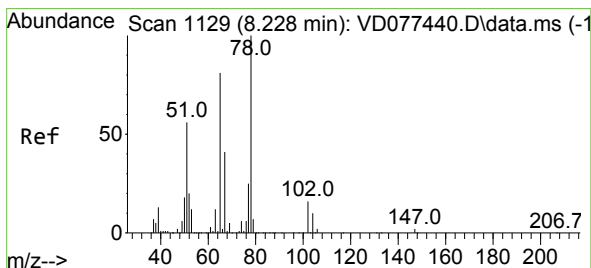
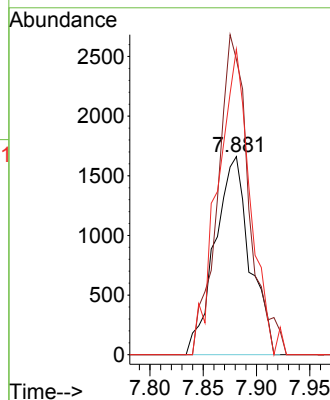
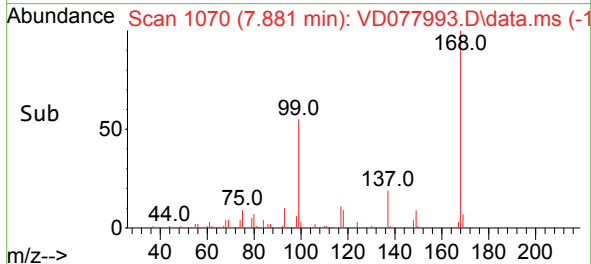


#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

Instrument :
MSVOA_D
ClientSampleId :

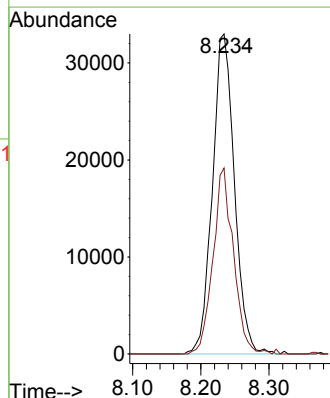
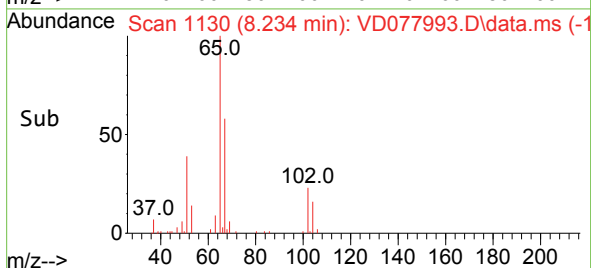
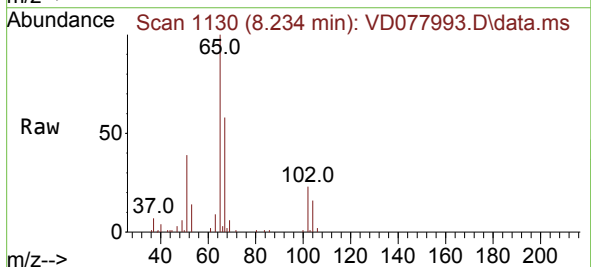


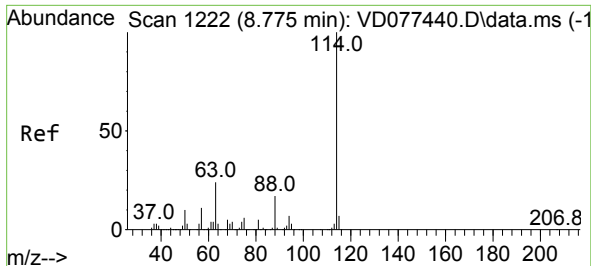
Tgt Ion: 56 Resp: 3784
Ion Ratio Lower Upper
56 100
69 149.1 28.6 43.0#
84 154.2 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 38.831 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

Tgt Ion: 65 Resp: 74175
Ion Ratio Lower Upper
65 100
67 54.1 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

Instrument :

MSVOA_D

ClientSampleId :

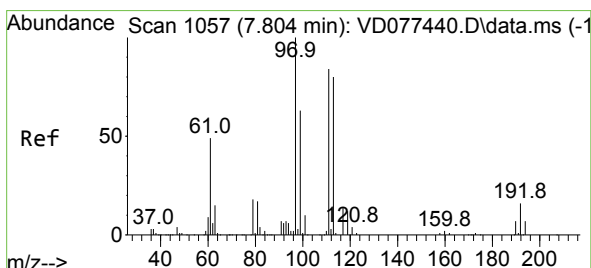
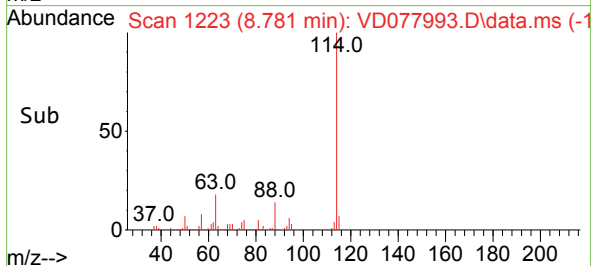
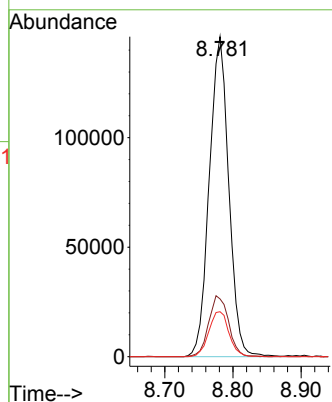
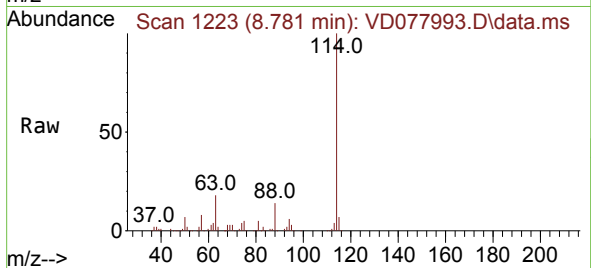
Tgt Ion:114 Resp: 290254

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.699 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

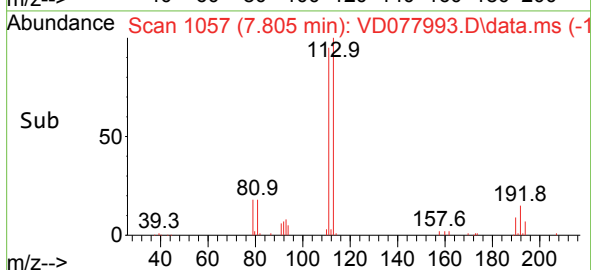
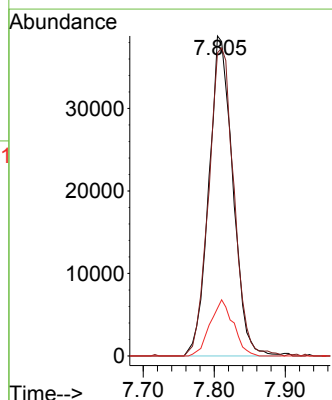
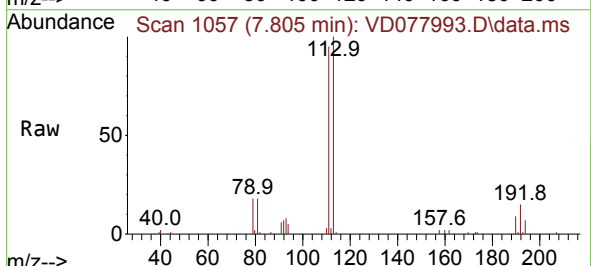
Tgt Ion:113 Resp: 90878

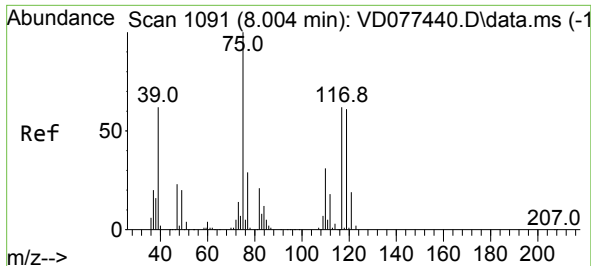
Ion Ratio Lower Upper

113 100

111 100.9 84.7 127.1

192 17.1 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.230 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

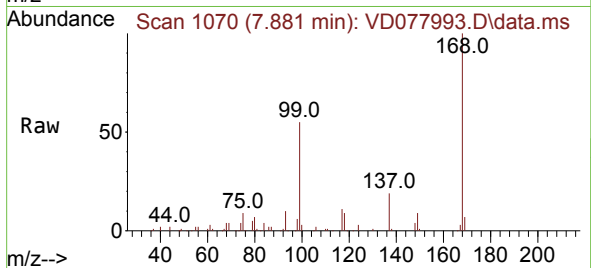
Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

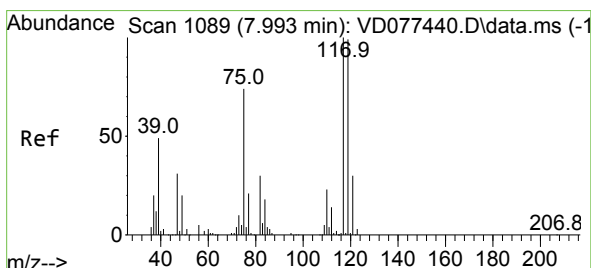
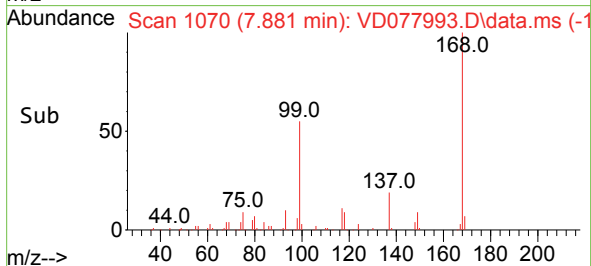
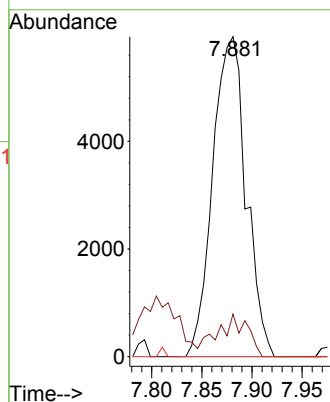
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 13756
Ion Ratio	Lower Upper
75	100
110	11.9 19.9 59.6#
77	0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.184 ug/l

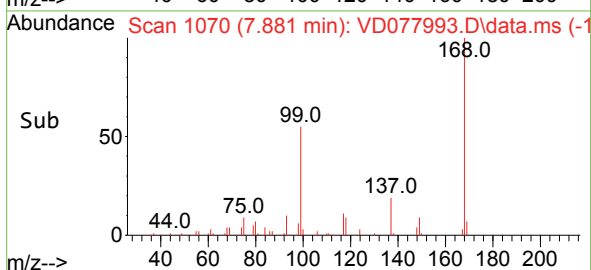
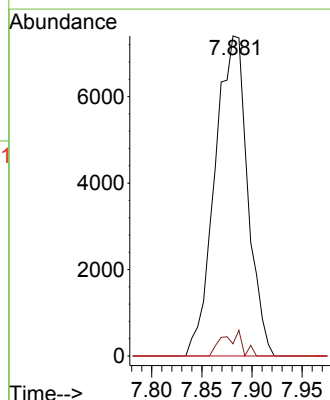
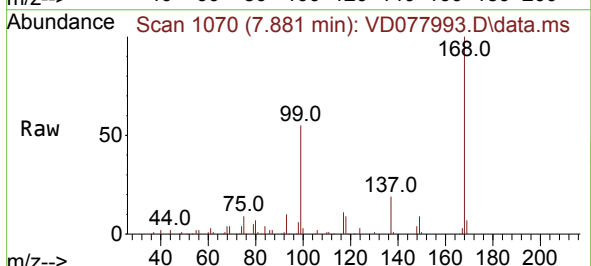
RT: 7.881 min Scan# 1070

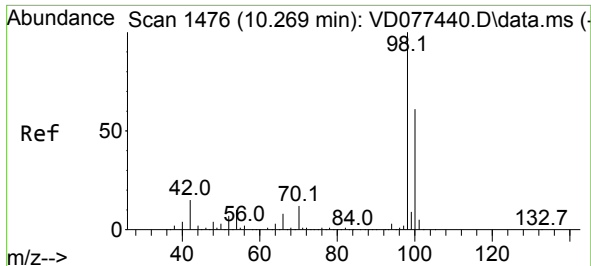
Delta R.T. -0.112 min

Lab File: VD077993.D

Acq: 20 Dec 2023 14:08

Tgt Ion: 117	Resp: 16806
Ion Ratio	Lower Upper
117	100
119	3.8 78.0 117.0#
121	3.0 24.2 36.2#

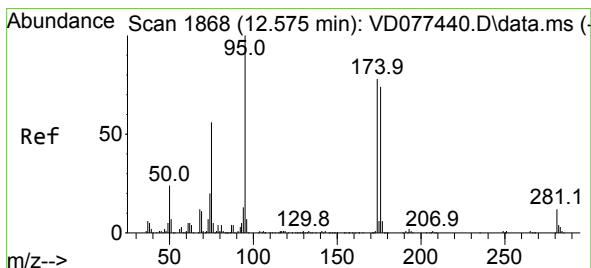
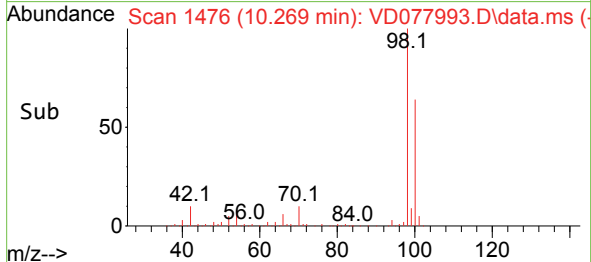
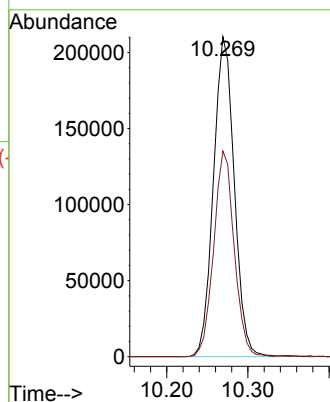
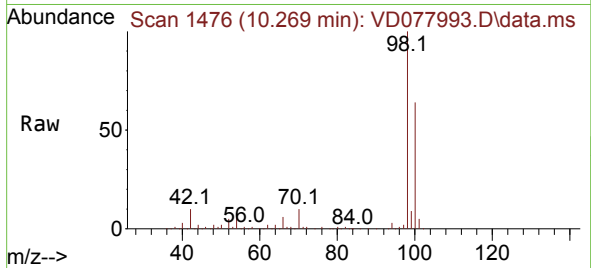




#50
Toluene-d8
Concen: 46.019 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

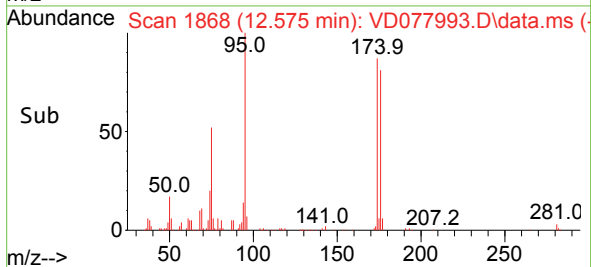
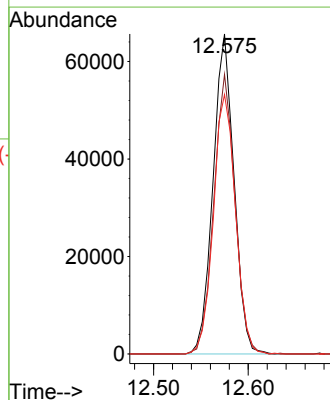
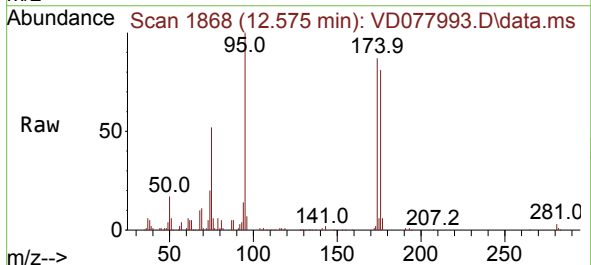
Instrument :
MSVOA_D
ClientSampleId :

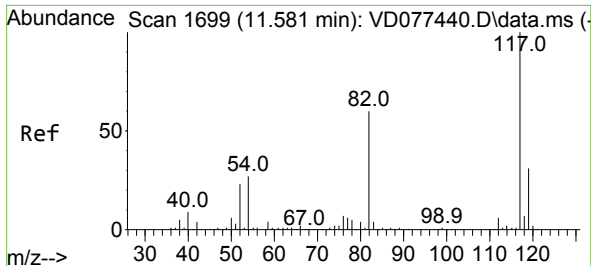
Tgt Ion: 98 Resp: 374732
Ion Ratio Lower Upper
98 100
100 63.2 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.513 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

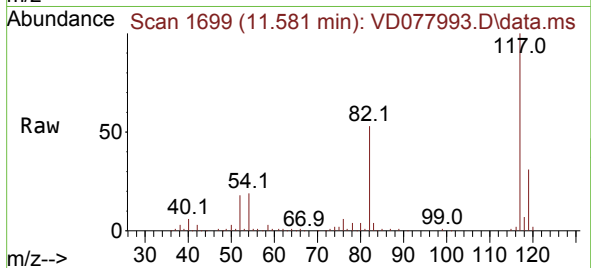
Tgt Ion: 95 Resp: 101065
Ion Ratio Lower Upper
95 100
174 88.2 0.0 201.8
176 85.5 0.0 191.8



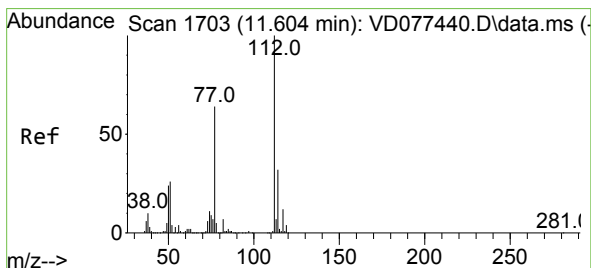
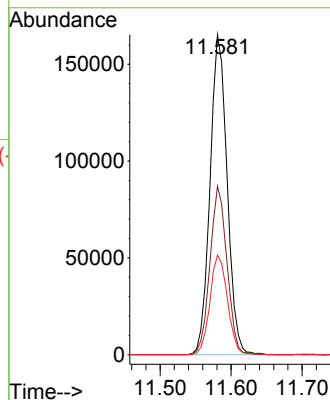
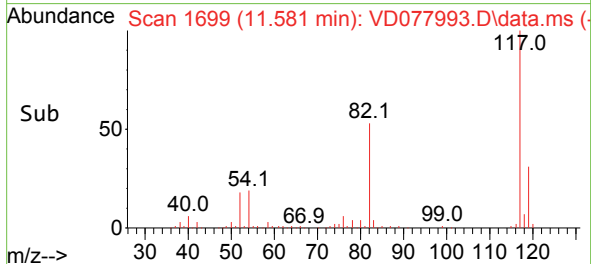


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

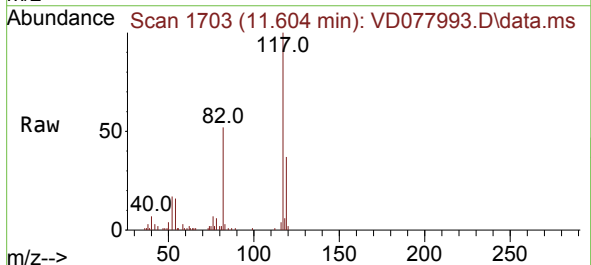
Instrument :
MSVOA_D
ClientSampleId :



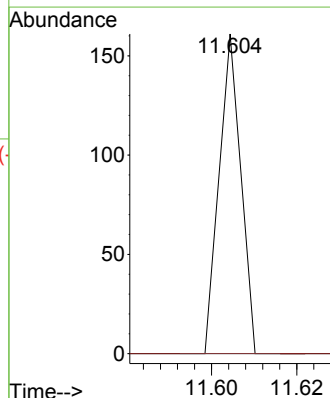
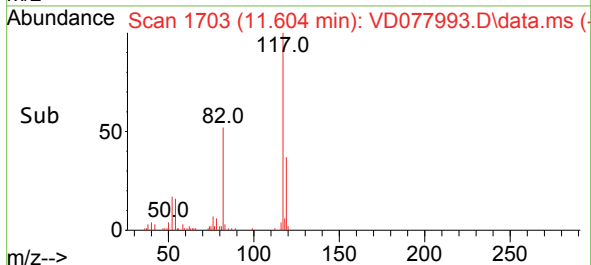
Tgt Ion:117 Resp: 276365
Ion Ratio Lower Upper
117 100
82 52.7 38.3 57.5
119 31.1 25.0 37.4

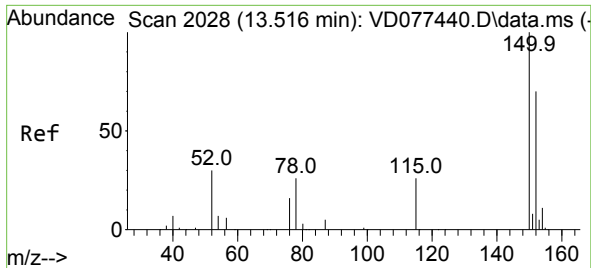


#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 1703
Delta R.T. 0.000 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08



Tgt Ion:112 Resp: 57
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#

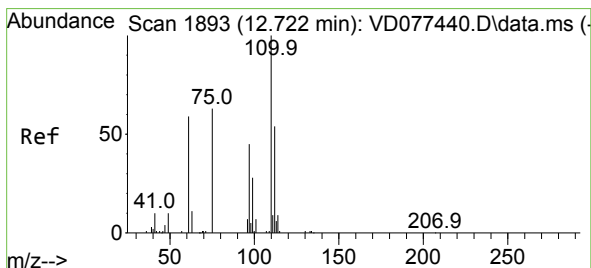
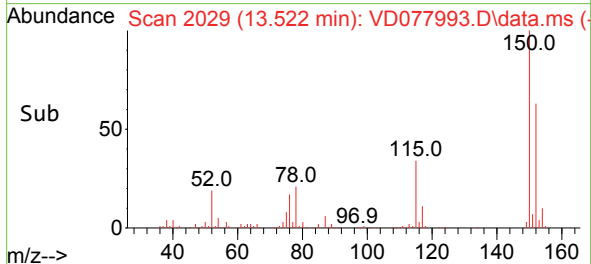
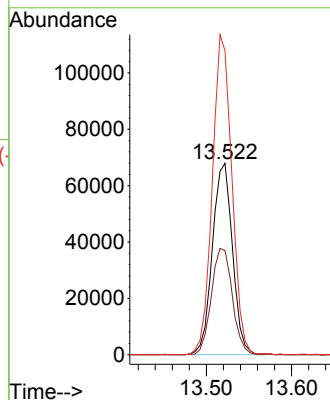
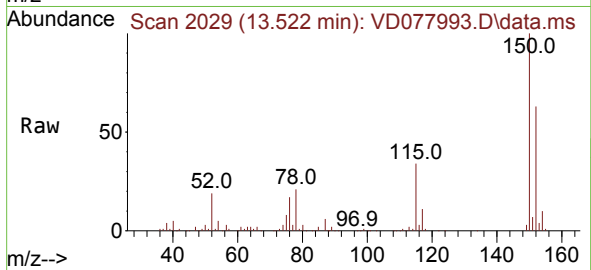




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD077993.D
 Acq: 20 Dec 2023 14:08

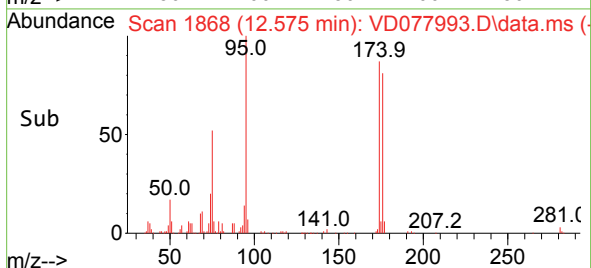
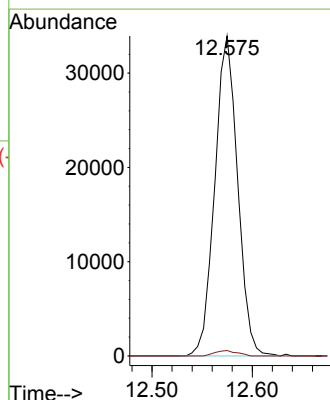
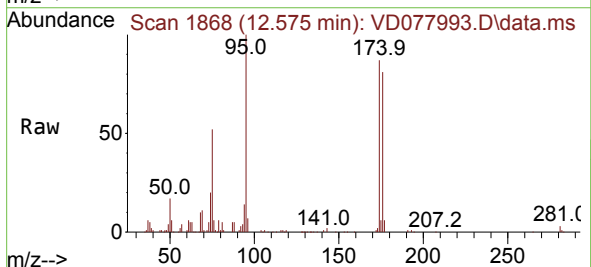
Instrument :
 MSVOA_D
 ClientSampleId :

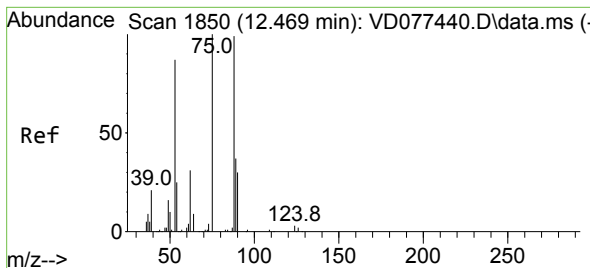
Tgt Ion:152 Resp: 111329
 Ion Ratio Lower Upper
 152 100
 115 57.7 27.1 81.3
 150 162.4 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 55.493 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD077993.D
 Acq: 20 Dec 2023 14:08

Tgt Ion: 75 Resp: 53656
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

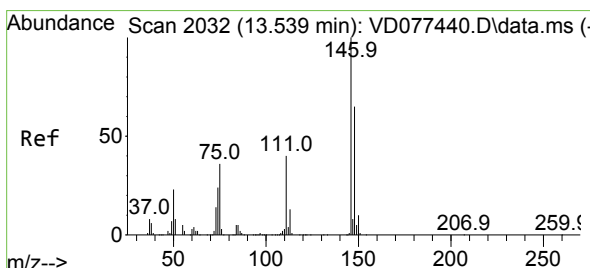
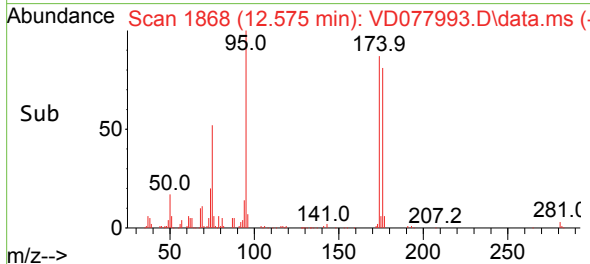
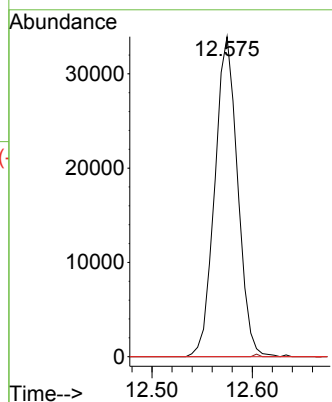
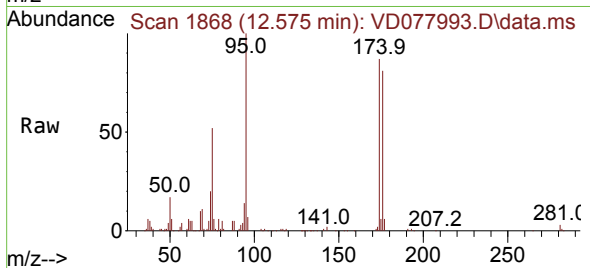




#81
trans-1,4-Dichloro-2-butene
Concen: 112.433 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 53656
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD077993.D
Acq: 20 Dec 2023 14:08

Tgt Ion:146 Resp: 55
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

