

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077992.D
 Acq On : 20 Dec 2023 13:41
 Operator : RP/MD
 Sample : 05827-05
 Misc : 5.07G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:23:36 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)

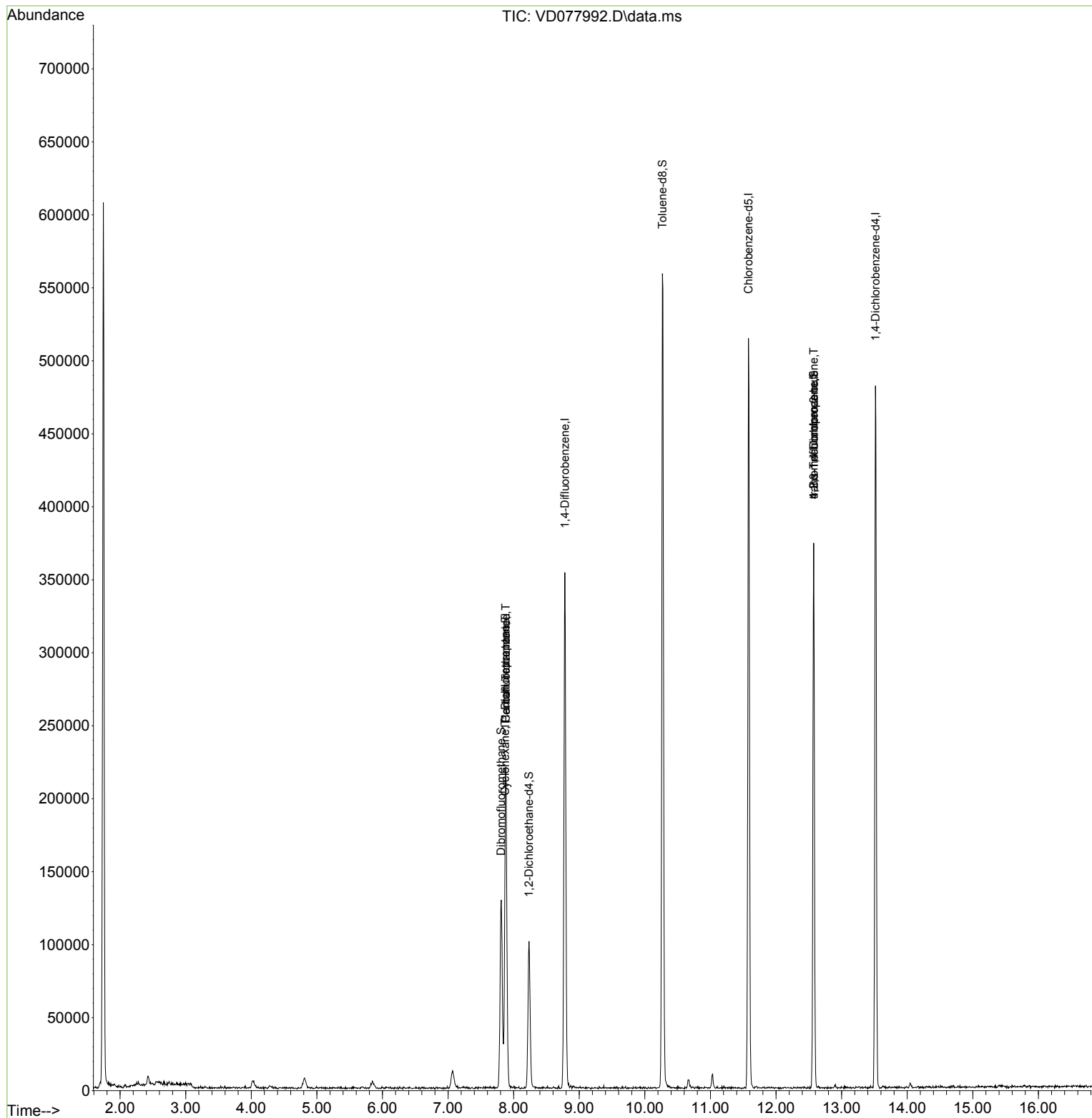
Internal Standards						
1) Pentafluorobenzene	7.881	168	167603	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	314127	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	297131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77366	39.173	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.340%
35) Dibromofluoromethane	7.810	113	93874	42.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.320%
50) Toluene-d8	10.269	98	399000	45.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.560%
62) 4-Bromofluorobenzene	12.575	95	110964	42.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.028	59	97	Below Cal	#	73
16) Acetone	4.028	43	8785	Below Cal		89
20) Methylene Chloride	4.805	84	5322	Below Cal	#	88
25) 2-Butanone	7.093	43	2717	Below Cal	#	68
31) Cyclohexane	7.869	56	4306	1.226	ug/l #	48
36) 1,1-Dichloropropene	7.875	75	13602	3.865	ug/l #	49
38) Carbon Tetrachloride	7.881	117	17625	5.023	ug/l #	16
65) Chlorobenzene	11.581	112	71	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	56800	51.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	56800	103.689	ug/l #	17
88) 1,4-Dichlorobenzene	13.551	146	57	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.710	75	58	Below Cal	#	1

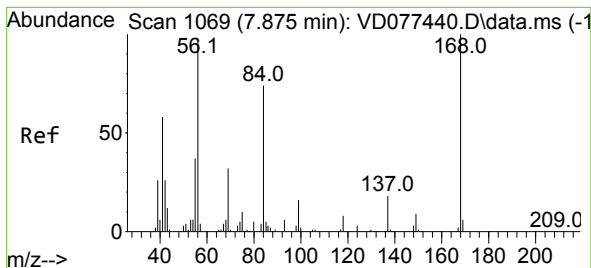
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 14 14:48:10 2023
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: VD077992.D

Acq: 20 Dec 2023 13:41

Instrument :

MSVOA_D

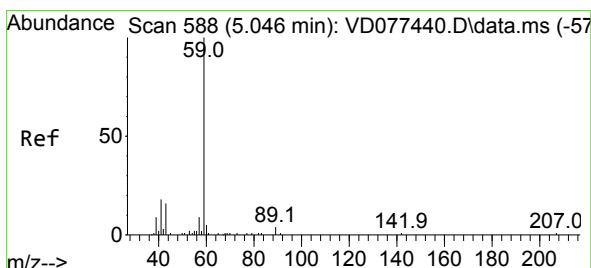
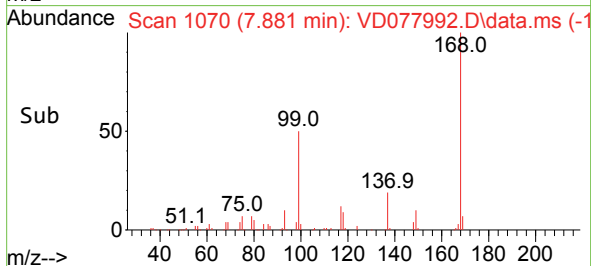
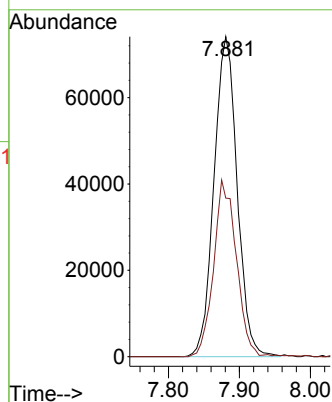
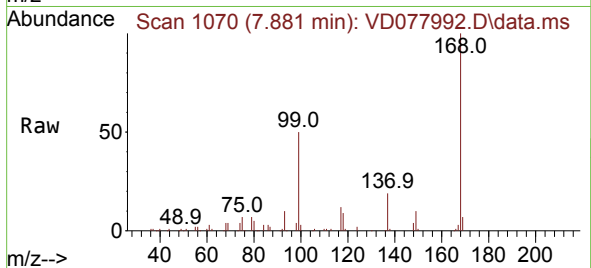
ClientSampleId :

Tgt Ion:168 Resp: 167603

Ion Ratio Lower Upper

168 100

99 49.5 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.028 min Scan# 585

Delta R.T. -0.018 min

Lab File: VD077992.D

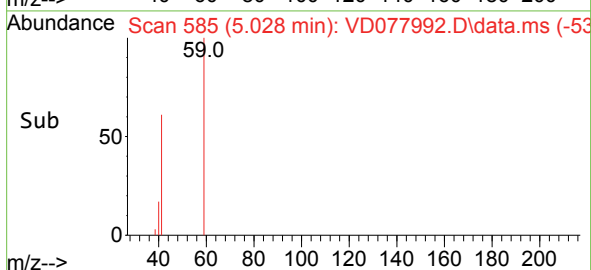
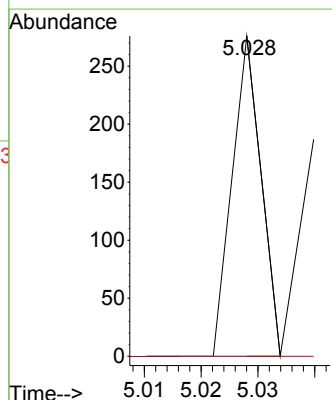
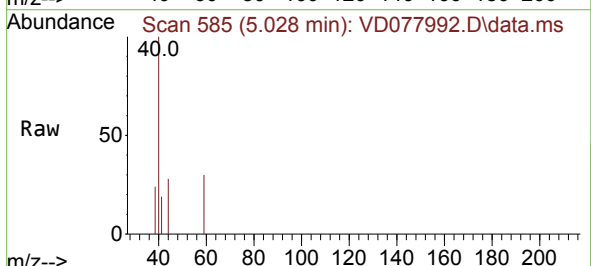
Acq: 20 Dec 2023 13:41

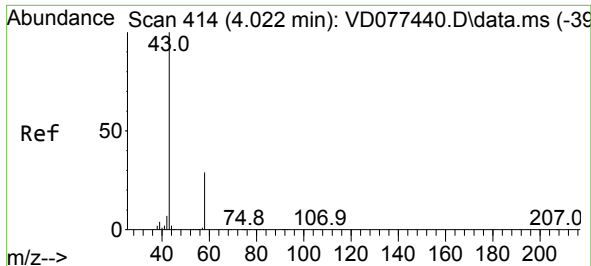
Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

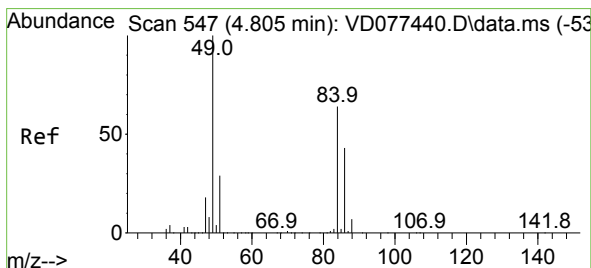
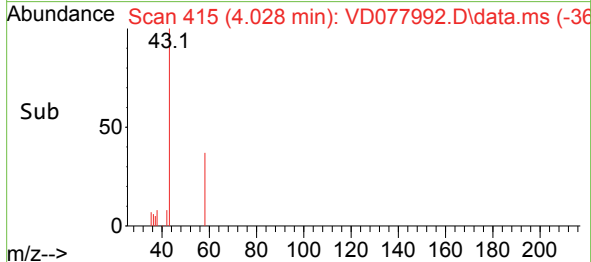
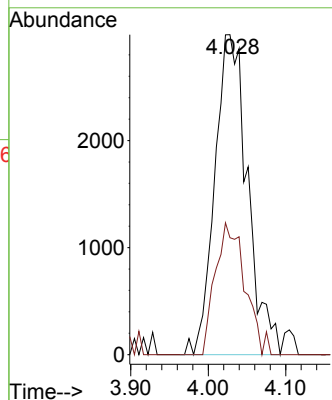
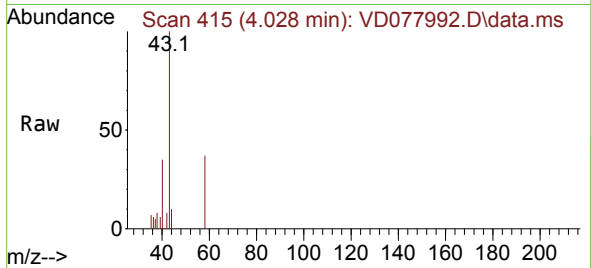




#16
Acetone
Concen: Below Cal
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

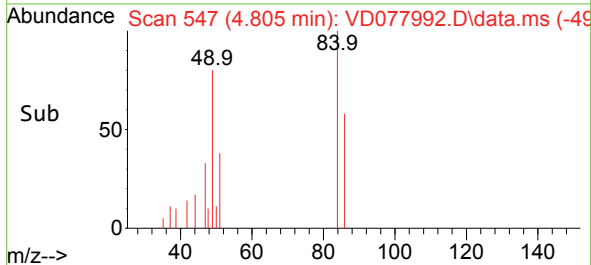
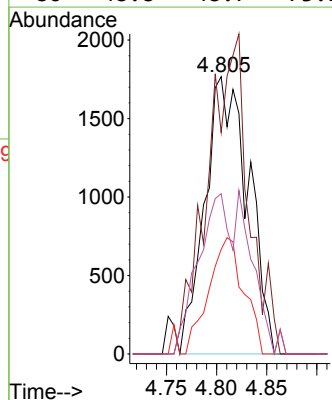
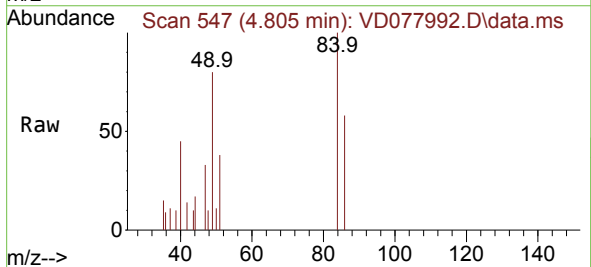
Instrument :
MSVOA_D
ClientSampleId :

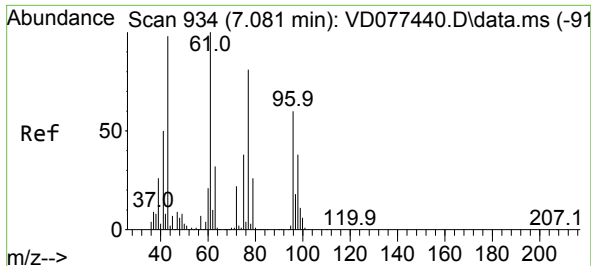
Tgt Ion: 43 Resp: 8785
Ion Ratio Lower Upper
43 100
58 36.6 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

Tgt Ion: 84 Resp: 5322
Ion Ratio Lower Upper
84 100
49 79.9 71.4 107.2
51 37.7 24.5 36.7#
86 48.8 48.7 73.1

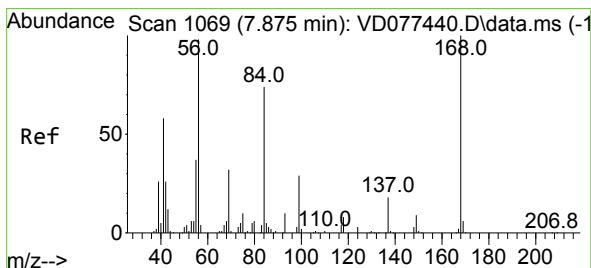
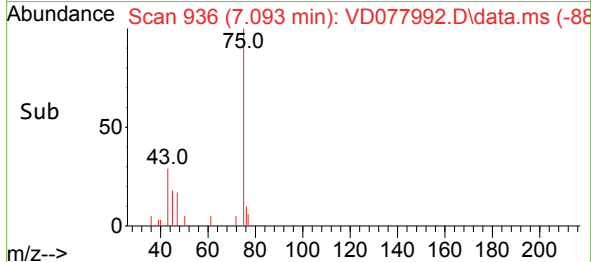
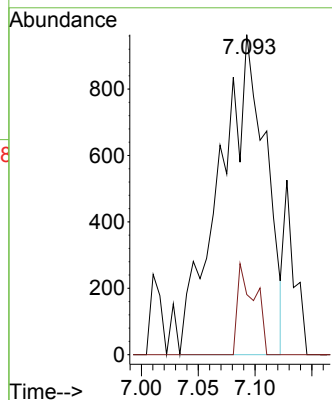
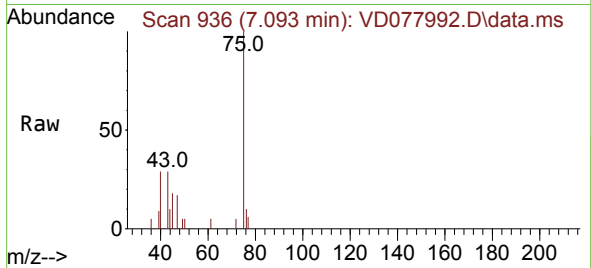




#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

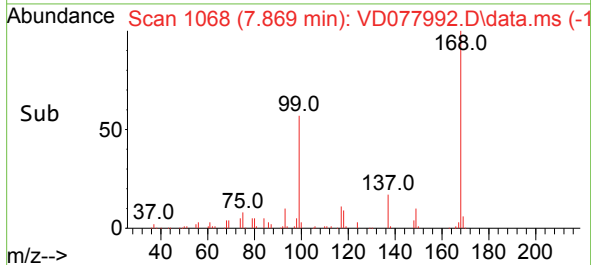
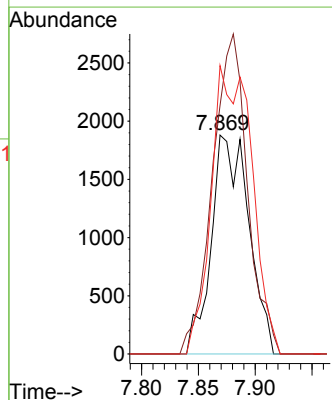
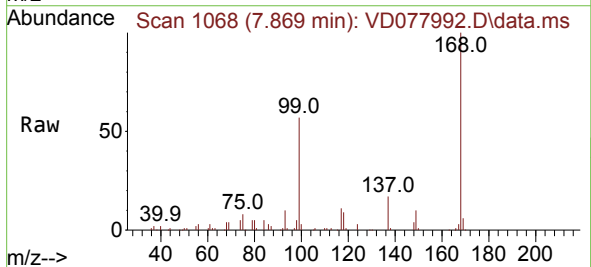
Instrument :
MSVOA_D
ClientSampleId :

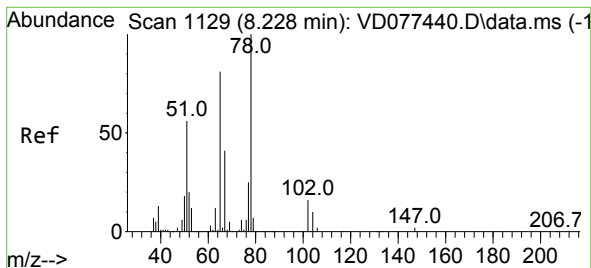
Tgt Ion: 43 Resp: 2717
Ion Ratio Lower Upper
43 100
72 18.8 30.7 46.1#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

Tgt Ion: 56 Resp: 4306
Ion Ratio Lower Upper
56 100
69 113.6 28.6 43.0#
84 131.8 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 39.173 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD077992.D

Acq: 20 Dec 2023 13:41

Instrument :

MSVOA_D

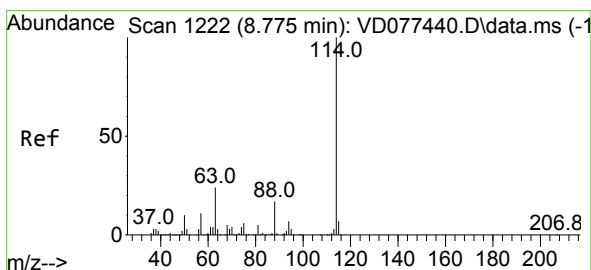
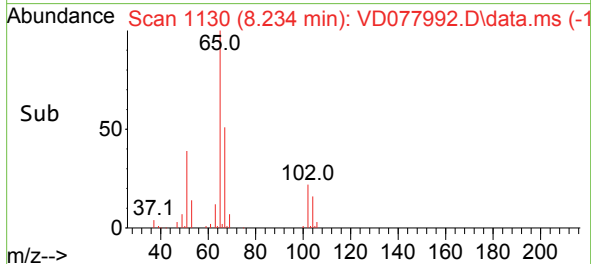
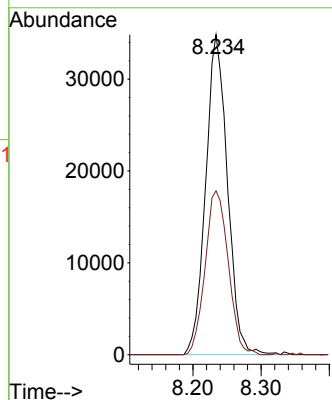
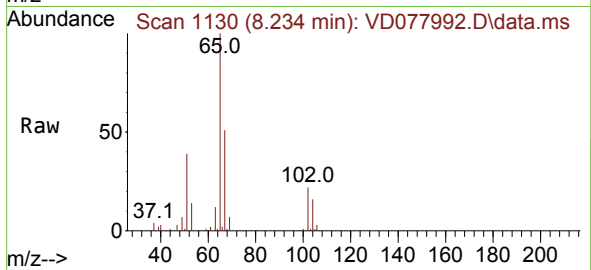
ClientSampleId :

Tgt Ion: 65 Resp: 77366

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077992.D

Acq: 20 Dec 2023 13:41

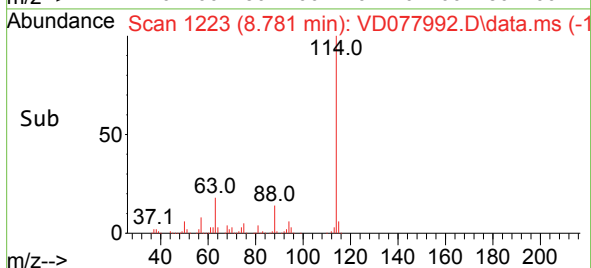
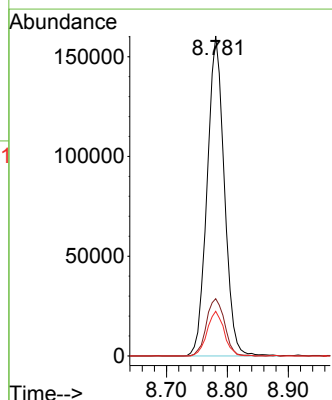
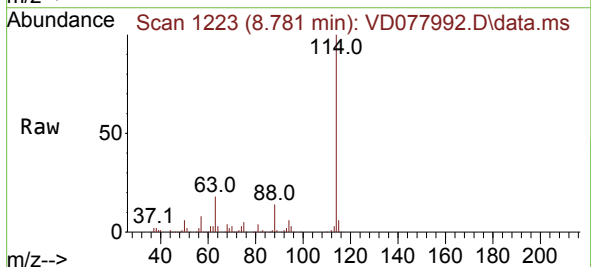
Tgt Ion: 114 Resp: 314127

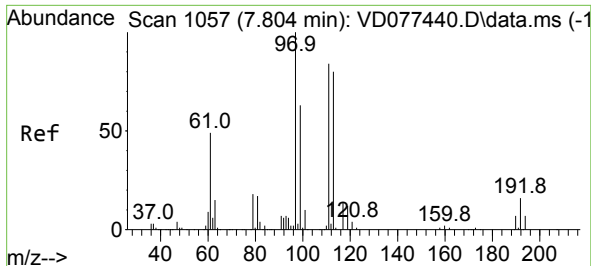
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

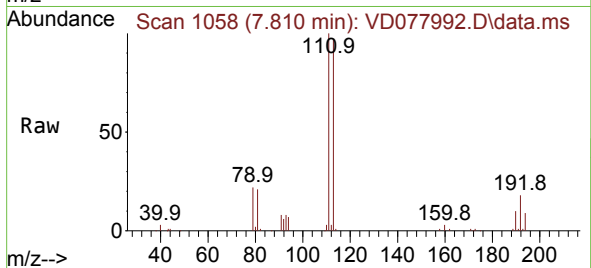
88 14.0 0.0 26.2



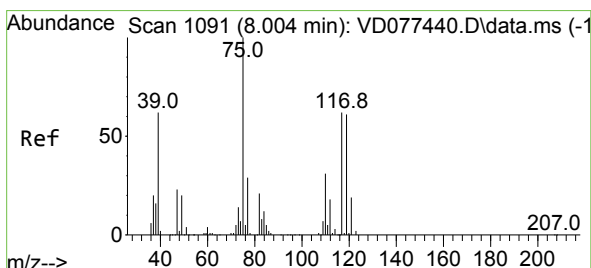
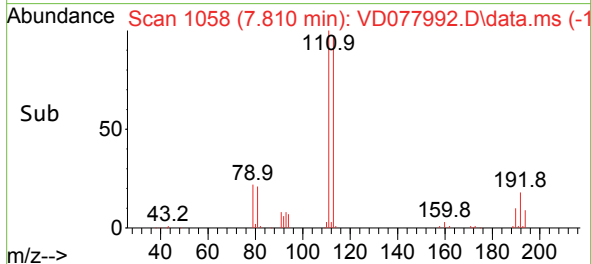
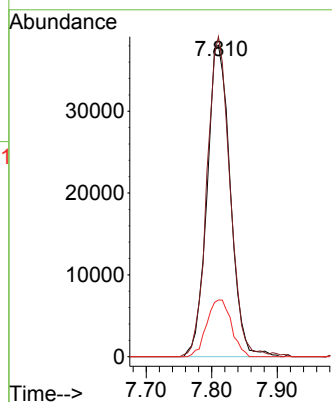


#35
 Dibromofluoromethane
 Concen: 42.663 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD077992.D
 Acq: 20 Dec 2023 13:41

Instrument :
 MSVOA_D
 ClientSampleId :

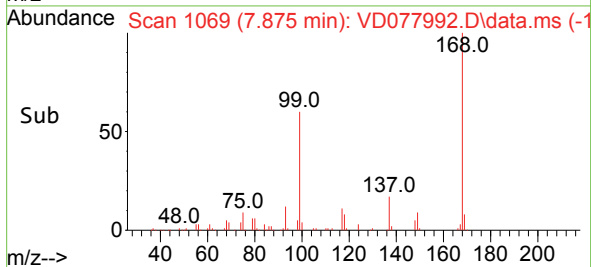
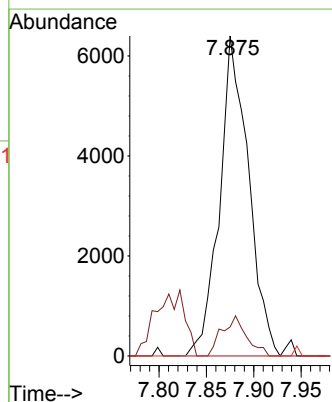
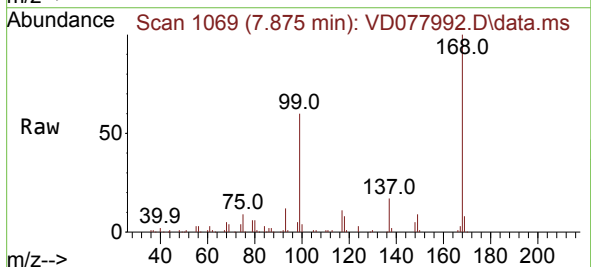


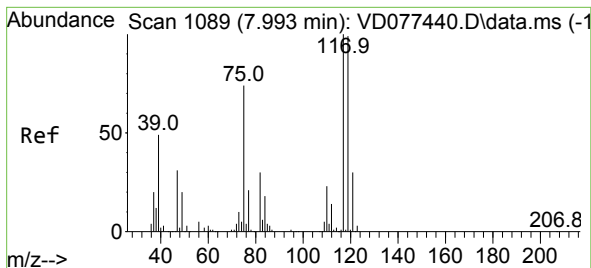
Tgt Ion:113 Resp: 93874
 Ion Ratio Lower Upper
 113 100
 111 101.8 84.7 127.1
 192 19.2 16.8 25.2



#36
 1,1-Dichloropropene
 Concen: 3.865 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.129 min
 Lab File: VD077992.D
 Acq: 20 Dec 2023 13:41

Tgt Ion: 75 Resp: 13602
 Ion Ratio Lower Upper
 75 100
 110 10.6 19.9 59.6#
 77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.023 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

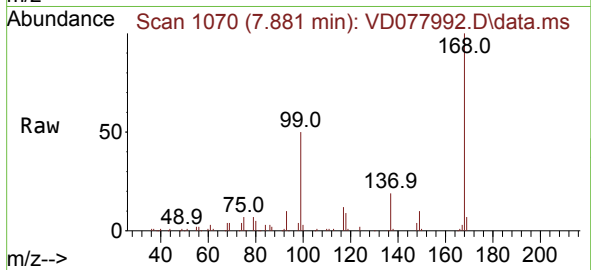
Lab File: VD077992.D

Acq: 20 Dec 2023 13:41

Instrument :

MSVOA_D

ClientSampleId :



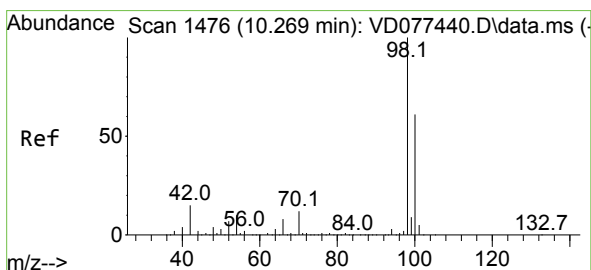
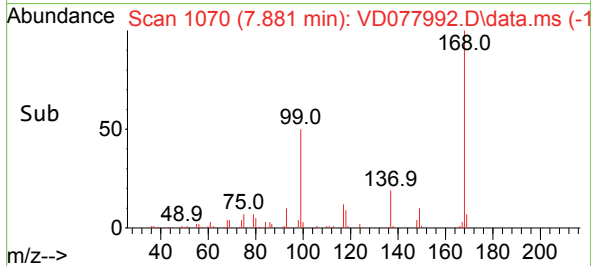
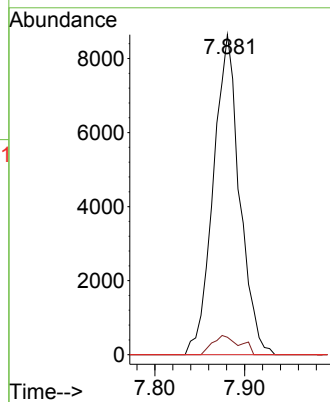
Tgt Ion:117 Resp: 17625

Ion Ratio Lower Upper

117 100

119 5.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.276 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD077992.D

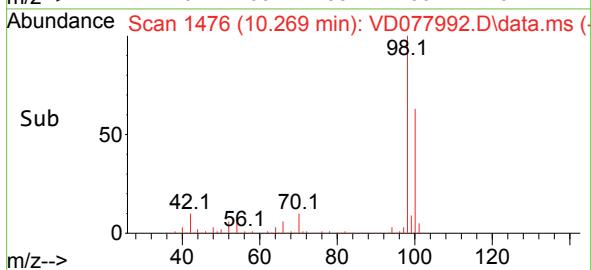
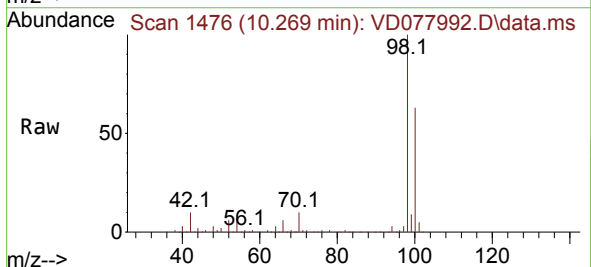
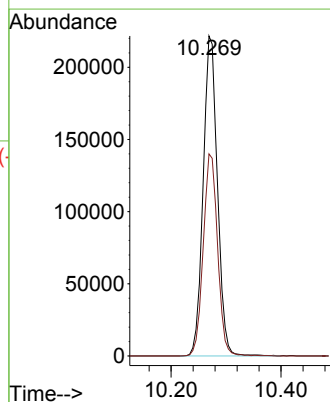
Acq: 20 Dec 2023 13:41

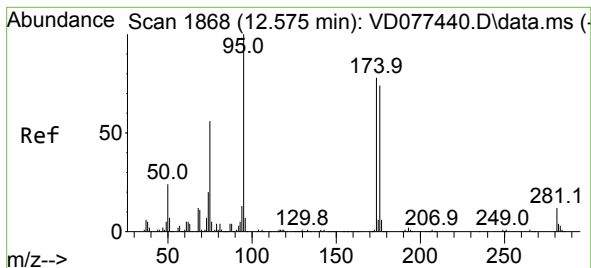
Tgt Ion: 98 Resp: 399000

Ion Ratio Lower Upper

98 100

100 63.6 50.3 75.5

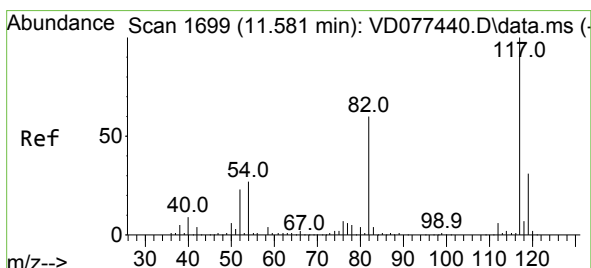
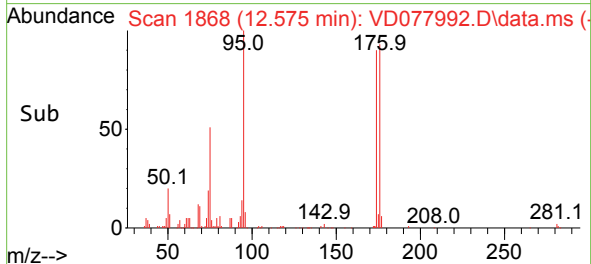
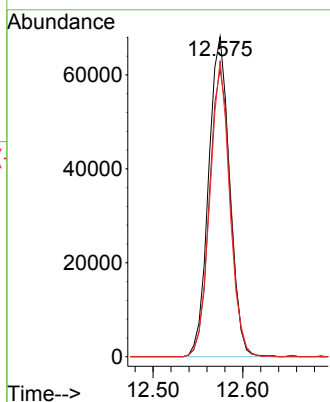
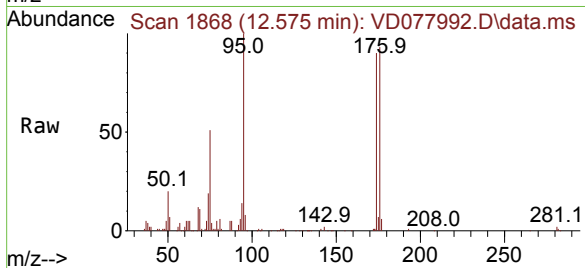




#62
4-Bromofluorobenzene
Concen: 42.115 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

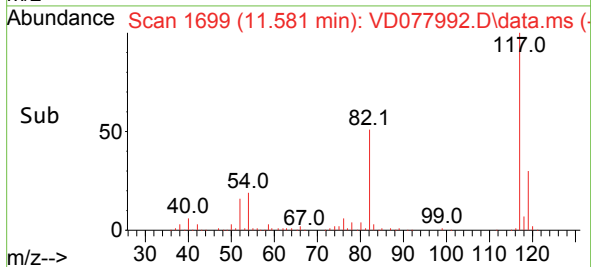
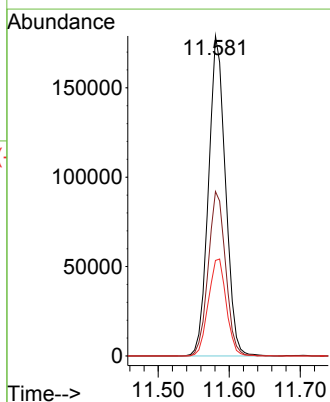
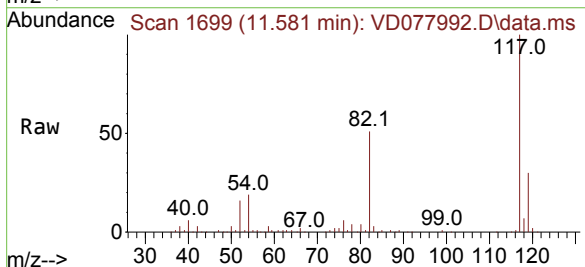
Instrument :
MSVOA_D
ClientSampleId :

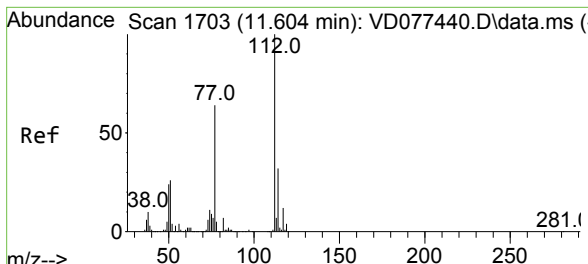
Tgt Ion: 95 Resp: 110964
Ion Ratio Lower Upper
95 100
174 90.2 0.0 201.8
176 87.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

Tgt Ion: 117 Resp: 297131
Ion Ratio Lower Upper
117 100
82 51.4 38.3 57.5
119 29.9 25.0 37.4

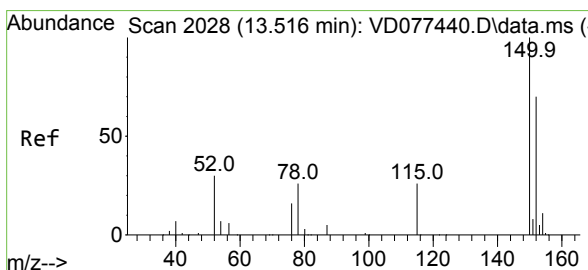
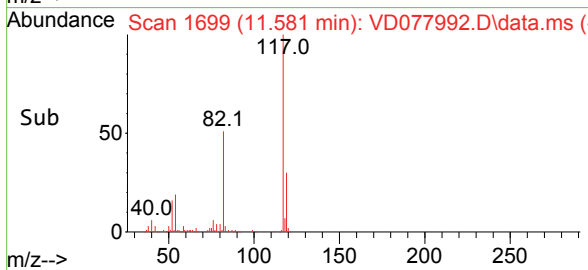
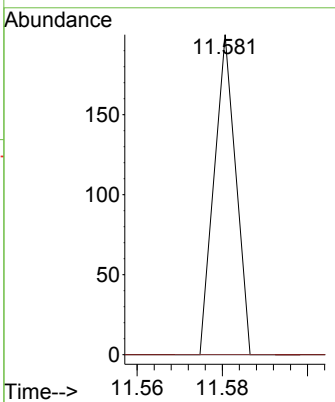
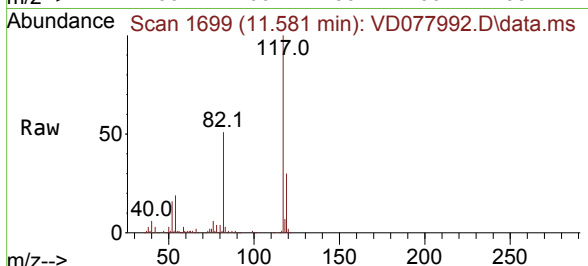




#65
 Chlorobenzene
 Concen: Below Cal
 RT: 11.581 min Scan# 1
 Delta R.T. -0.023 min
 Lab File: VD077992.D
 Acq: 20 Dec 2023 13:41

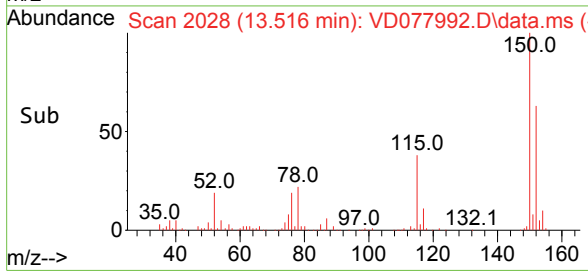
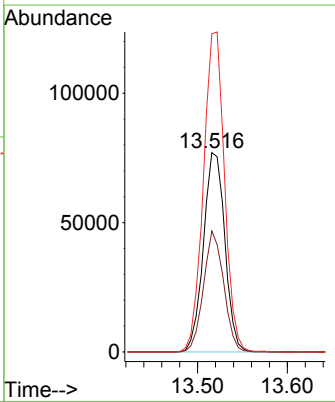
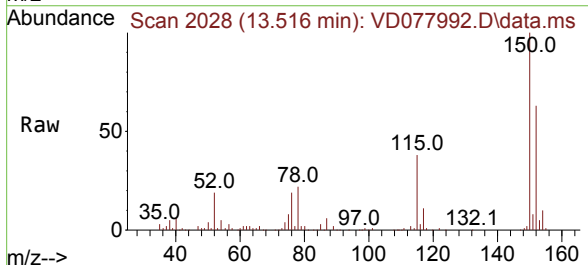
Instrument :
 MSVOA_D
 ClientSampleId :

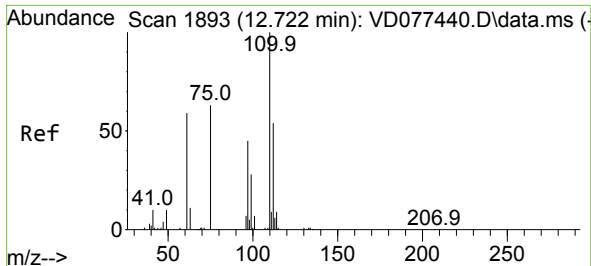
Tgt Ion:112	Resp:	71
Ion Ratio	Lower	Upper
112	100	
114	0.0	25.1 37.7#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. -0.000 min
 Lab File: VD077992.D
 Acq: 20 Dec 2023 13:41

Tgt Ion:152	Resp:	127790
Ion Ratio	Lower	Upper
152	100	
115	57.2	27.1 81.3
150	158.0	0.0 353.6

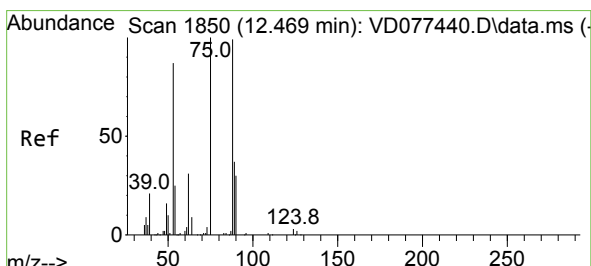
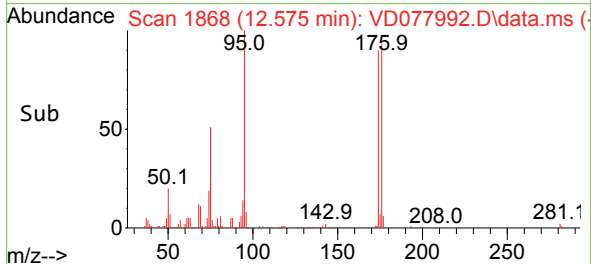
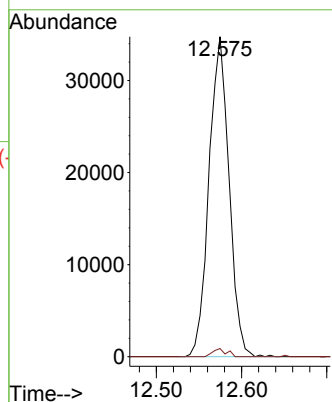
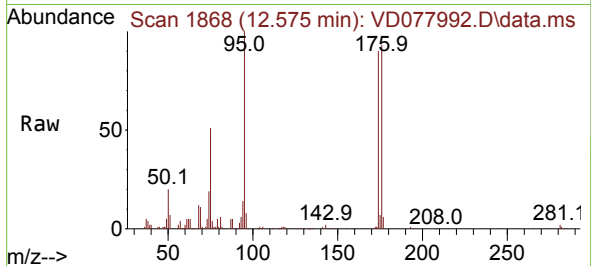




#76
1,2,3-Trichloropropane
Concen: 51.178 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

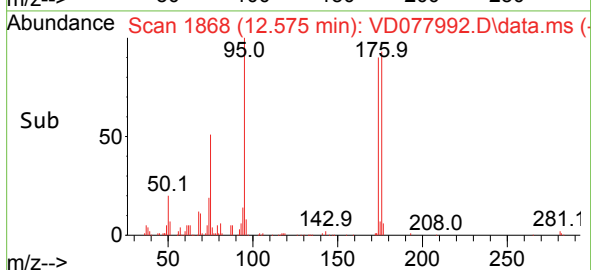
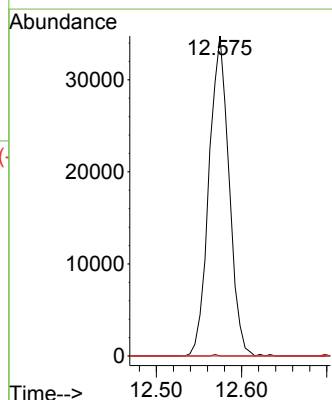
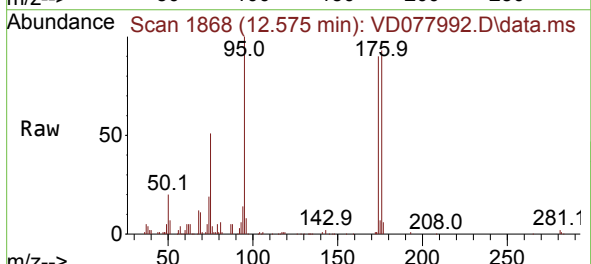
Instrument :
MSVOA_D
ClientSampleId :

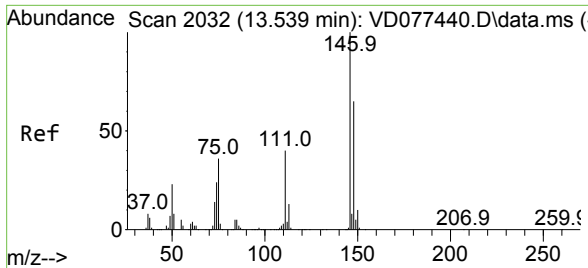
Tgt Ion: 75 Resp: 56800
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.689 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077992.D
Acq: 20 Dec 2023 13:41

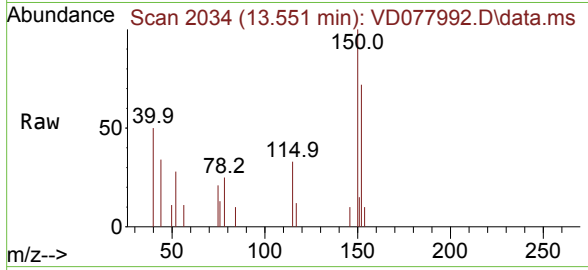
Tgt Ion: 75 Resp: 56800
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.551 min Scan# 2034
 Delta R.T. 0.012 min
 Lab File: VD077992.D
 Acq: 20 Dec 2023 13:41

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	57
Ion	Ratio	Lower	Upper
146	100		
111	0.0	17.4	52.3#
148	0.0	31.7	95.1#

