

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077817.D
 Acq On : 11 Dec 2023 17:55
 Operator : JC/SY
 Sample : 05671-01
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 18:01:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

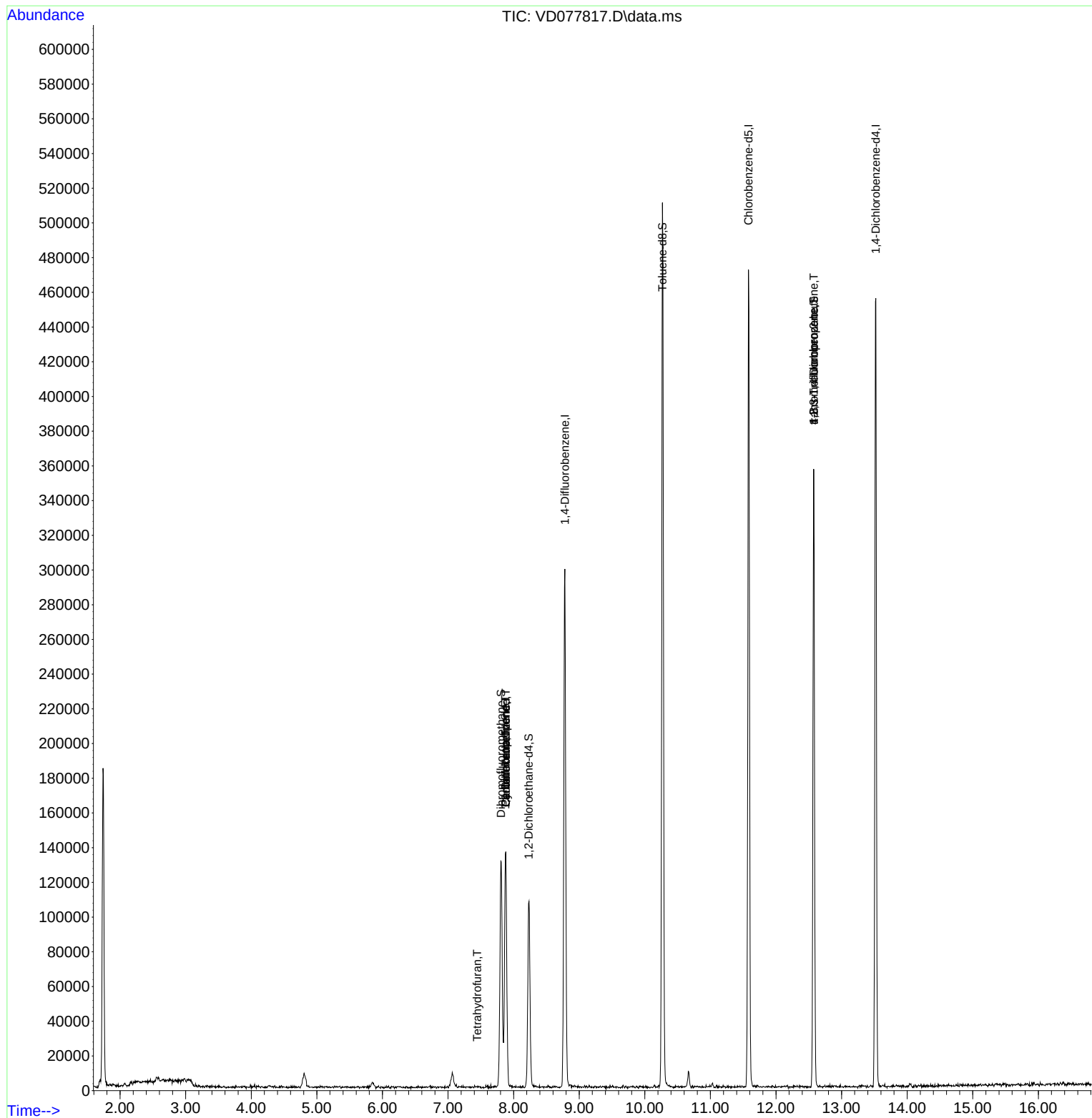
Internal Standards						
1) Pentafluorobenzene	7.881	168	107972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	268065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	280207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	124918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	85756	67.403	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	134.800%
35) Dibromofluoromethane	7.810	113	94594	50.378	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.760%
50) Toluene-d8	10.269	98	360519	47.938	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.880%
62) 4-Bromofluorobenzene	12.575	95	106139	47.206	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.420%
Target Compounds						
11) Tert butyl alcohol	5.064	59	59	Below Cal	#	73
16) Acetone	4.040	43	304	Below Cal	#	32
20) Methylene Chloride	4.811	84	6315	Below Cal	#	84
25) 2-Butanone	7.069	43	409	Below Cal	#	37
29) Tetrahydrofuran	7.446	42	534	2.636	ug/l #	42
31) Cyclohexane	7.881	56	2820	1.246	ug/l #	60
36) 1,1-Dichloropropene	7.875	75	8239	2.743	ug/l #	49
38) Carbon Tetrachloride	7.881	117	10881	3.634	ug/l #	16
65) Chlorobenzene	11.610	112	372	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	57987	53.448	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57987	108.290	ug/l #	17
88) 1,4-Dichlorobenzene	13.528	146	657	Below Cal	#	1

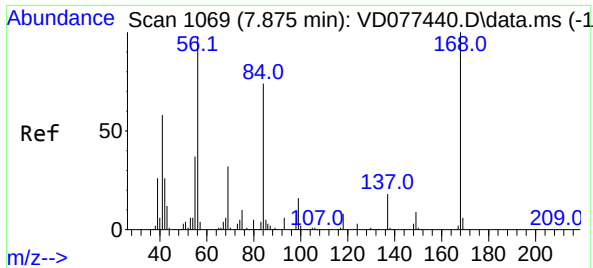
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 08 13:33:18 2023
Response via : Initial Calibration

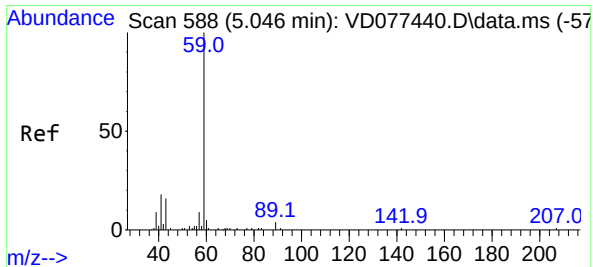
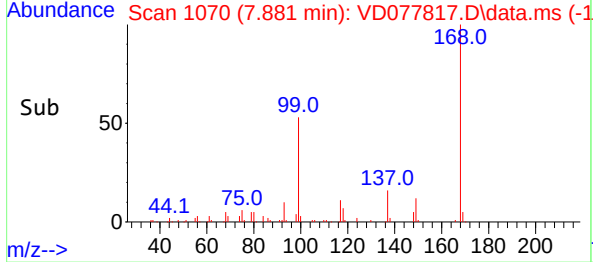
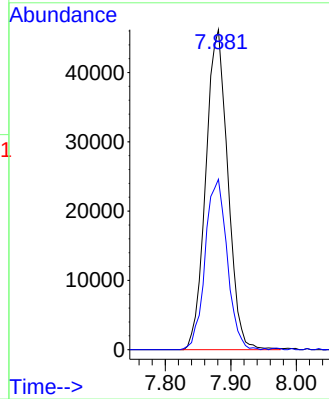
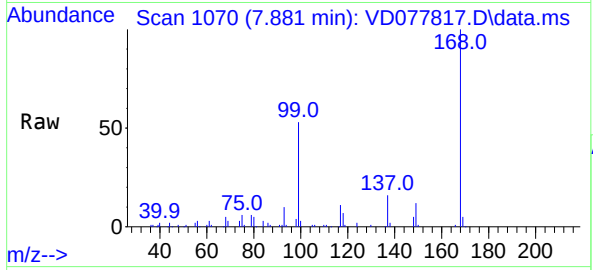




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

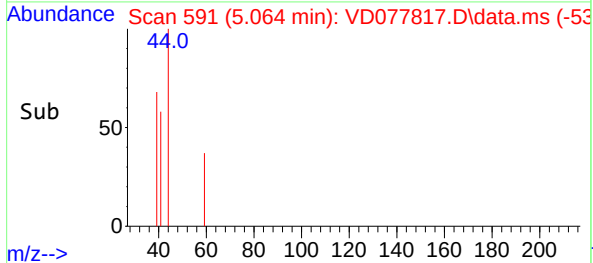
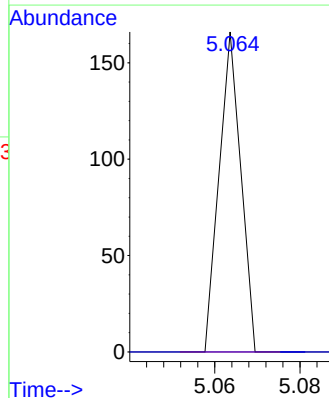
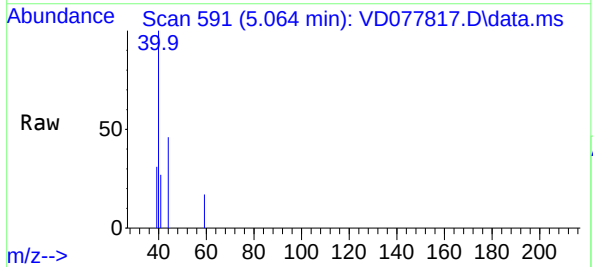
Instrument :
MSVOA_D
ClientSampleId :

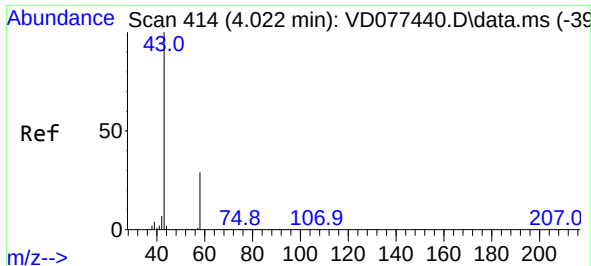
Tgt Ion:168 Resp: 107972
Ion Ratio Lower Upper
168 100
99 53.2 36.7 55.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.064 min Scan# 591
Delta R.T. 0.018 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion: 59 Resp: 59
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

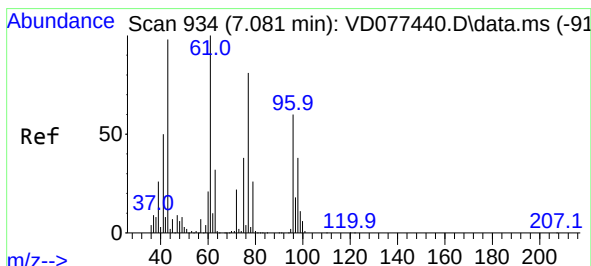
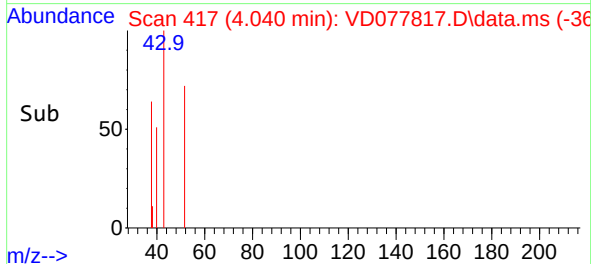
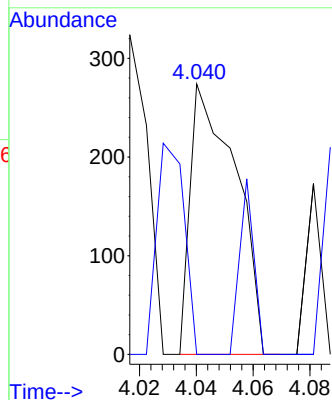
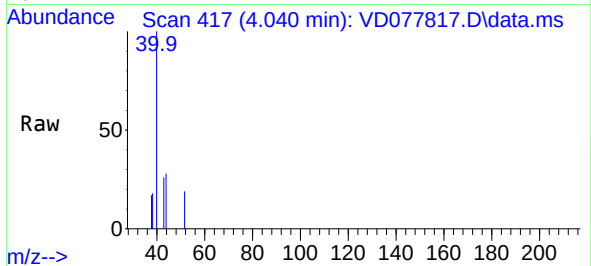




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

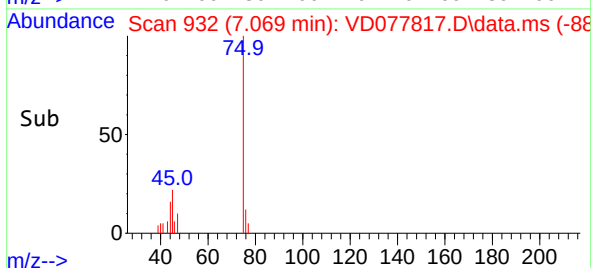
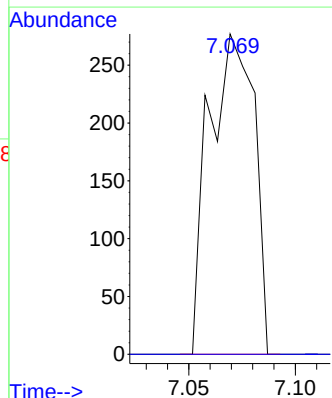
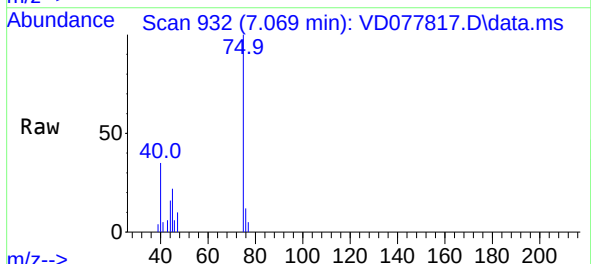
Instrument :
MSVOA_D
ClientSampleId :

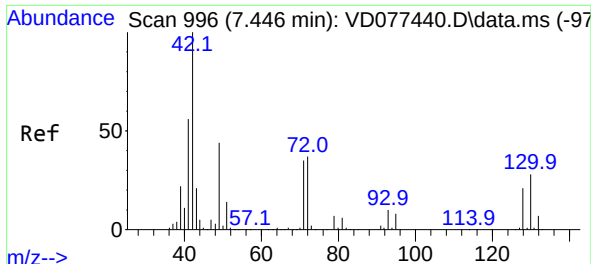
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

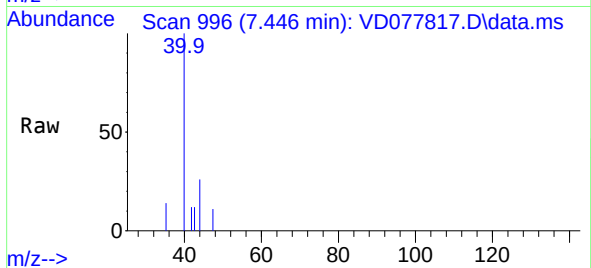
Tgt Ion: 43 Resp: 409
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#





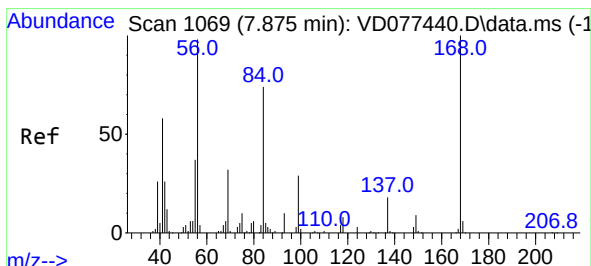
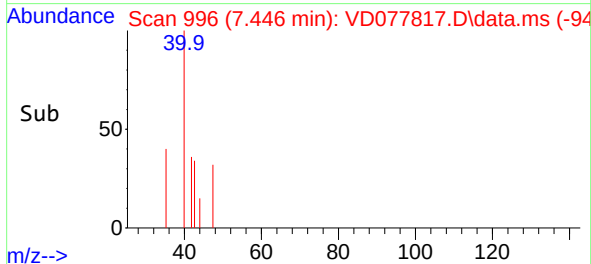
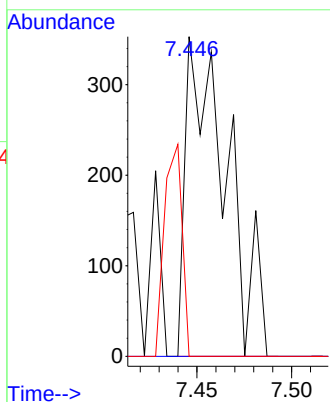
#29
Tetrahydrofuran
Concen: 2.636 ug/l
RT: 7.446 min Scan# 996
Delta R.T. -0.000 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 42 Resp: 534

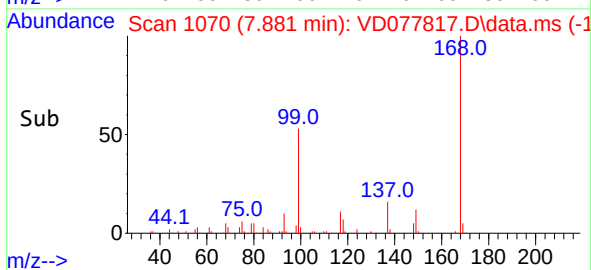
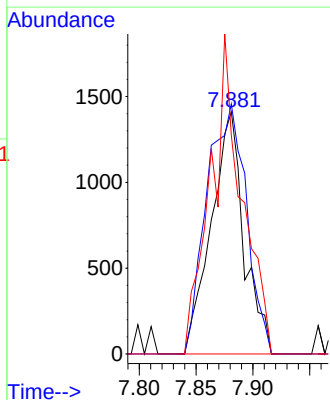
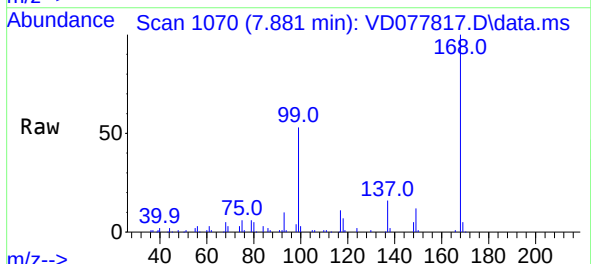
Ion	Ratio	Lower	Upper
42	100		
72	0.0	46.5	69.7#
71	28.5	44.5	66.7#

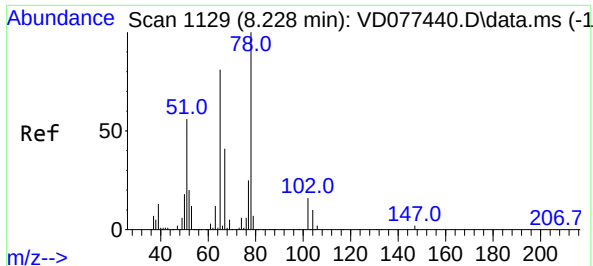


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion: 56 Resp: 2820

Ion	Ratio	Lower	Upper
56	100		
69	103.3	28.6	43.0#
84	90.4	84.8	127.2

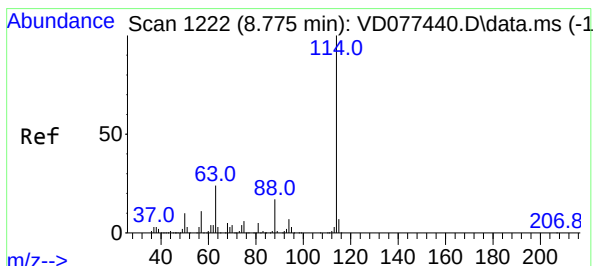
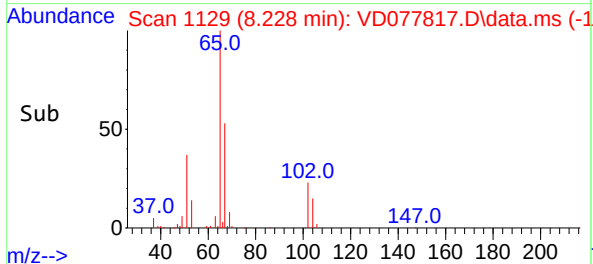
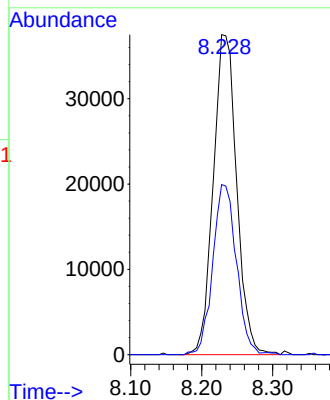
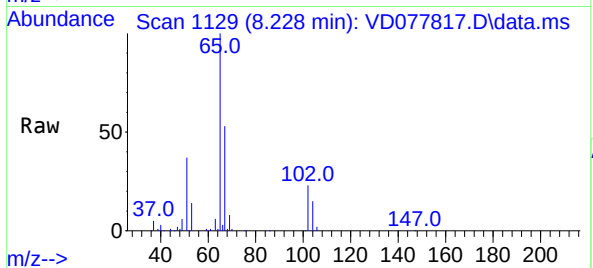




#33
1,2-Dichloroethane-d4
Concen: 67.403 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

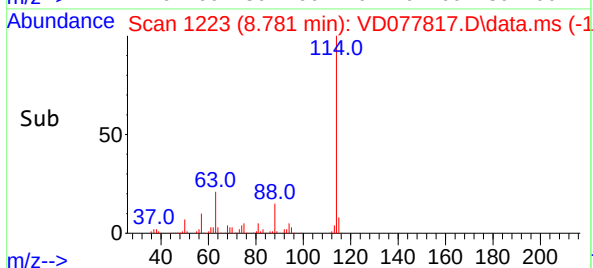
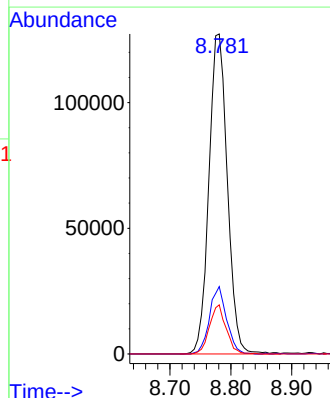
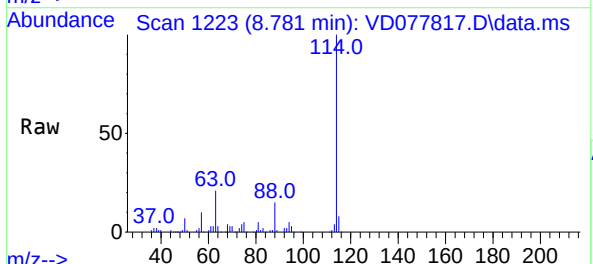
Instrument :
MSVOA_D
ClientSampleId :

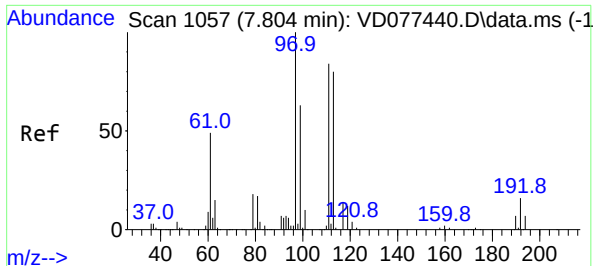
Tgt Ion: 65 Resp: 85756
Ion Ratio Lower Upper
65 100
67 53.4 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.006 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion:114 Resp: 268065
Ion Ratio Lower Upper
114 100
63 21.1 0.0 33.4
88 15.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.378 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077817.D

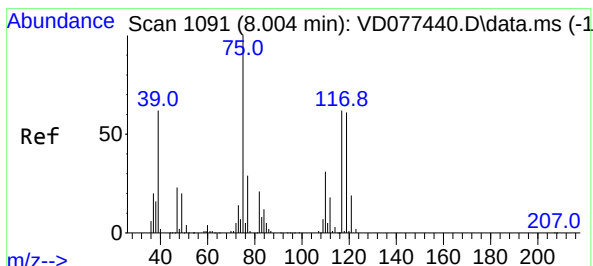
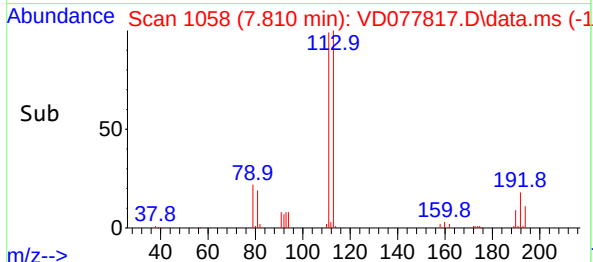
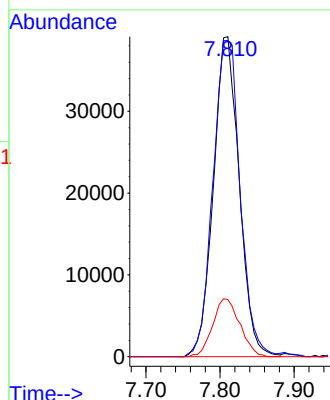
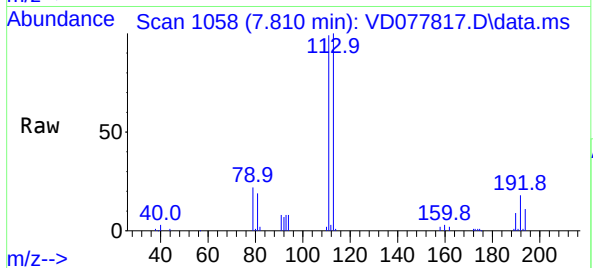
Acq: 11 Dec 2023 17:55

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	113	Resp:	94594
Ion	Ratio	Lower	Upper
113	100		
111	104.1	84.7	127.1
192	19.1	16.8	25.2



#36

1,1-Dichloropropene

Concen: 2.743 ug/l

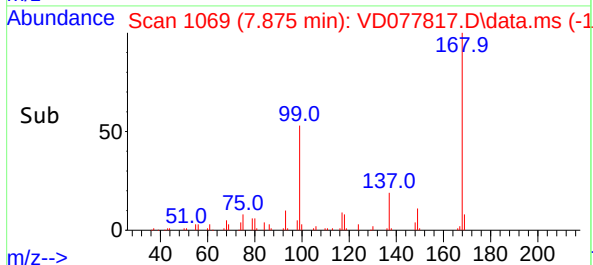
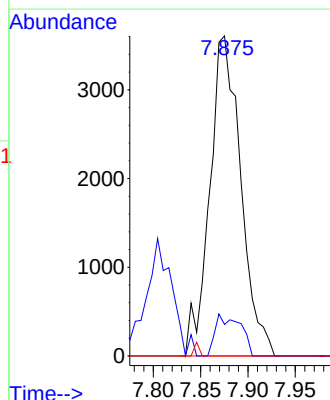
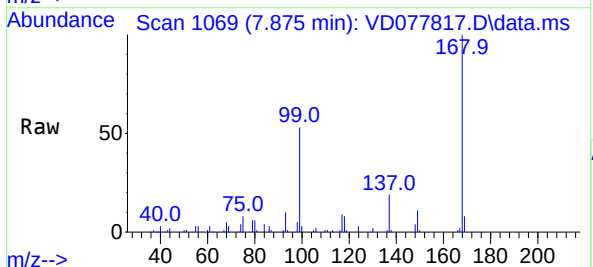
RT: 7.875 min Scan# 1069

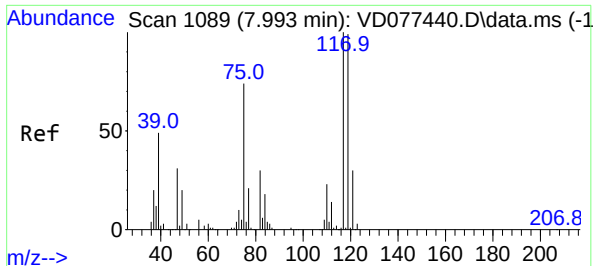
Delta R.T. -0.129 min

Lab File: VD077817.D

Acq: 11 Dec 2023 17:55

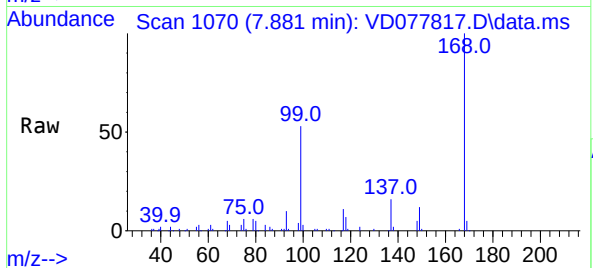
Tgt Ion:	75	Resp:	8239
Ion	Ratio	Lower	Upper
75	100		
110	10.5	19.9	59.6#
77	0.0	24.7	37.1#



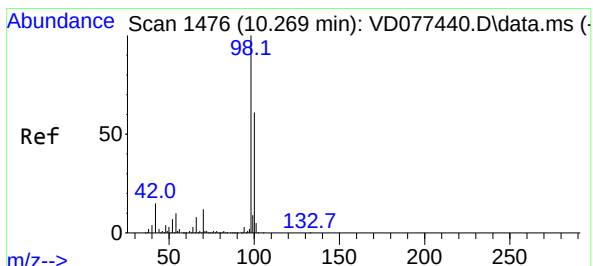
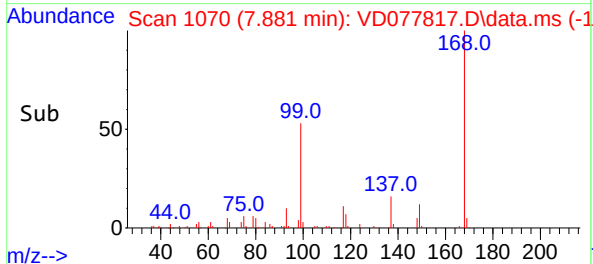
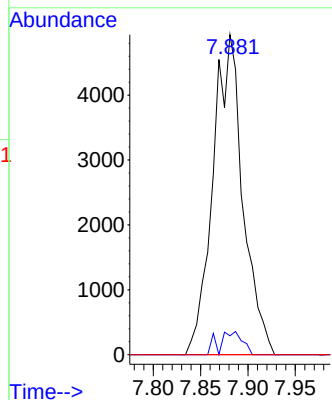


#38
Carbon Tetrachloride
Concen: 3.634 ug/l
RT: 7.881 min Scan# 10881
Delta R.T. -0.112 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Instrument :
MSVOA_D
ClientSampleId :

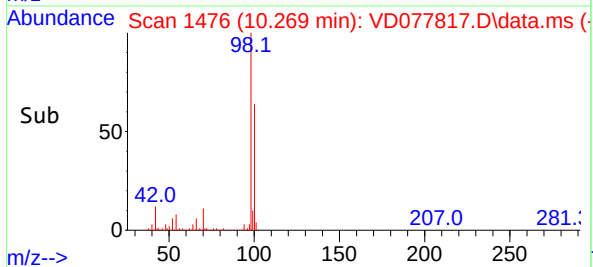
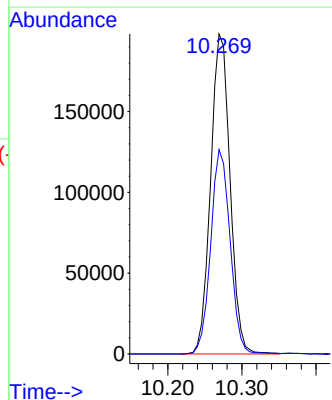
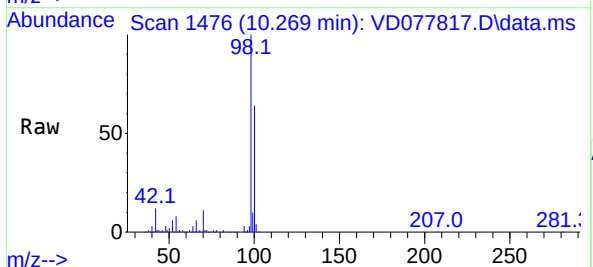


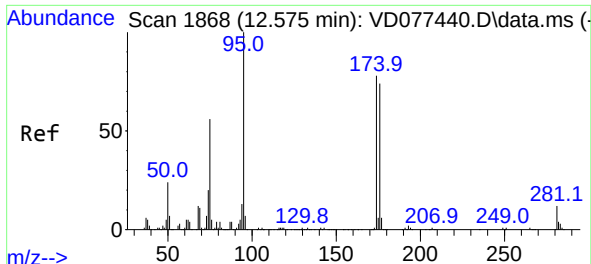
Tgt Ion:117 Resp: 10881
Ion Ratio Lower Upper
117 100
119 5.9 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.938 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion: 98 Resp: 360519
Ion Ratio Lower Upper
98 100
100 63.8 50.3 75.5

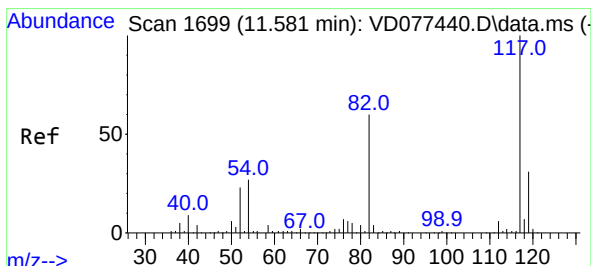
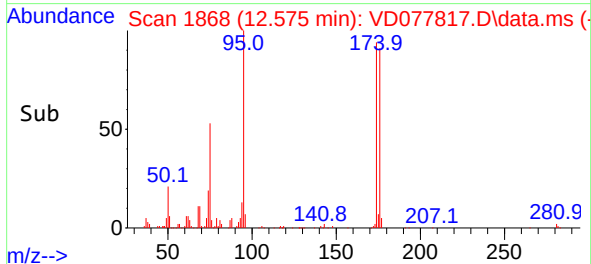
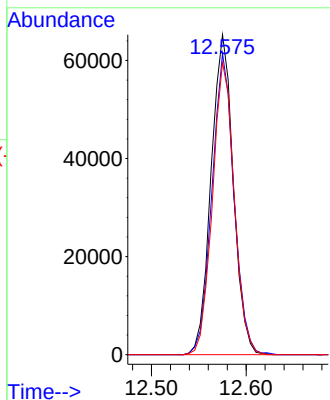
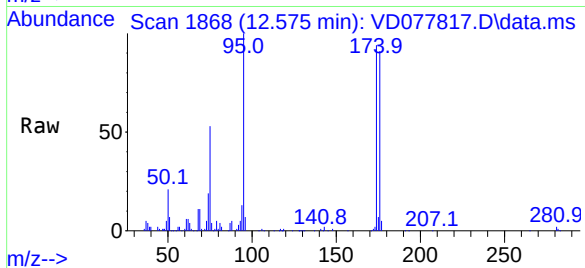




#62
4-Bromofluorobenzene
Concen: 47.206 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

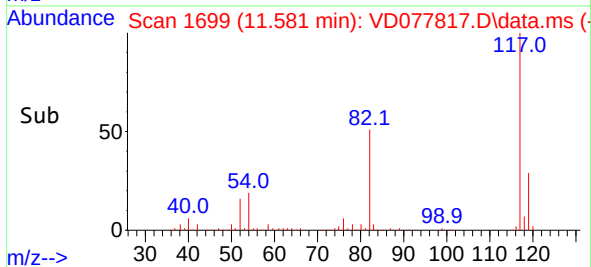
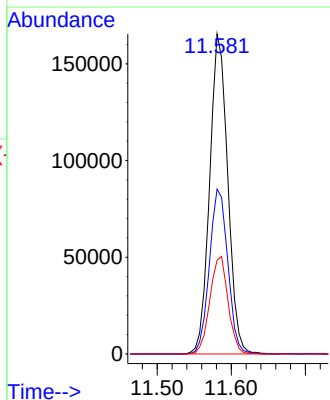
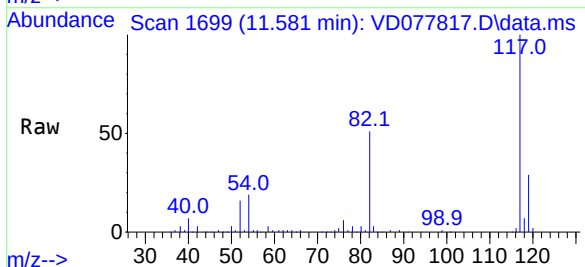
Instrument :
MSVOA_D
ClientSampleId :

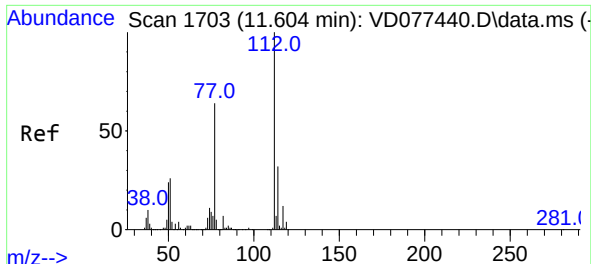
Tgt Ion: 95 Resp: 106139
Ion Ratio Lower Upper
95 100
174 93.1 0.0 201.8
176 89.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion: 117 Resp: 280207
Ion Ratio Lower Upper
117 100
82 51.5 38.3 57.5
119 29.3 25.0 37.4

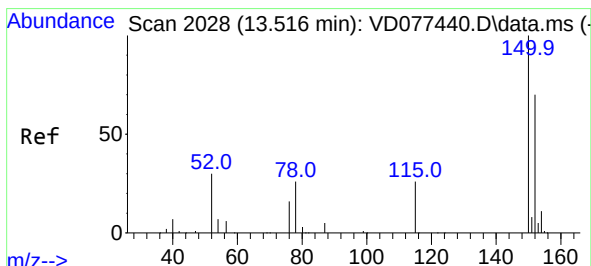
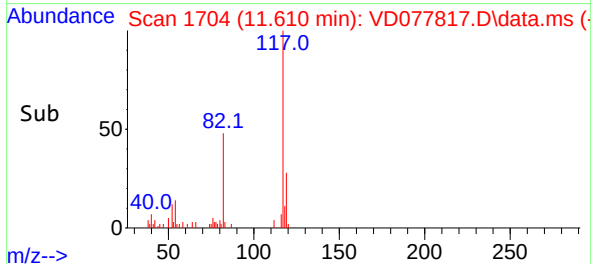
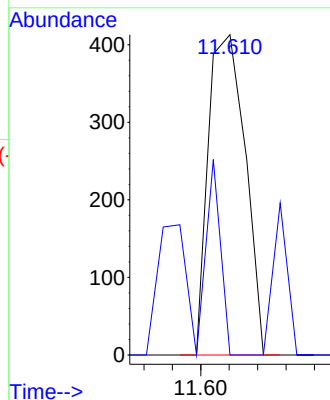
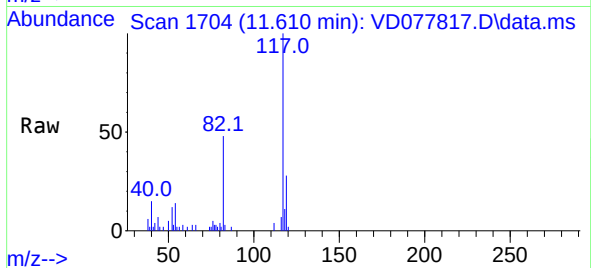




#65
Chlorobenzene
Concen: Below Cal
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

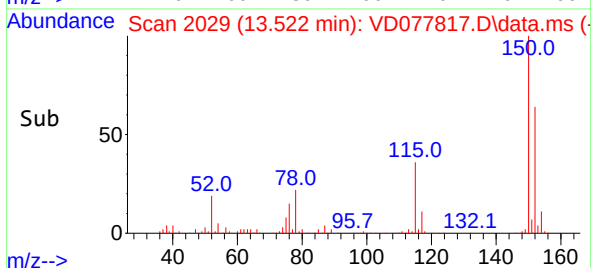
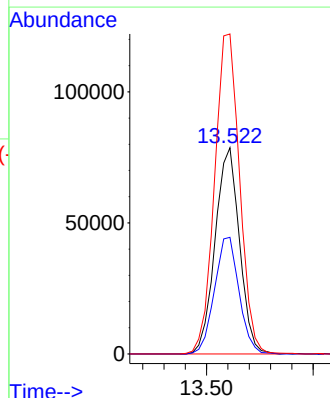
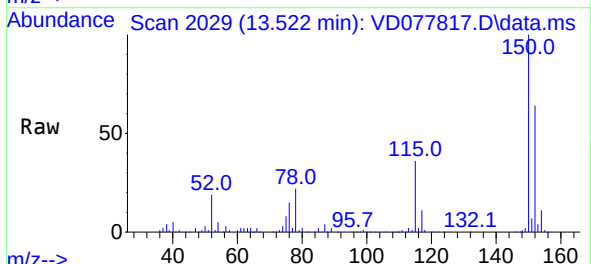
Instrument :
MSVOA_D
ClientSampleId :

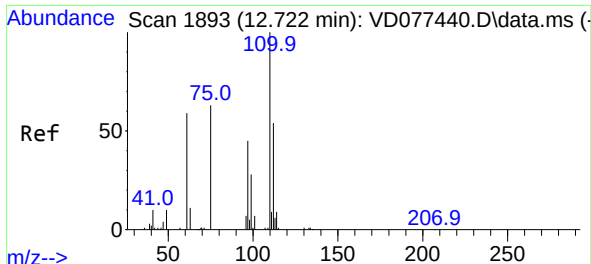
Tgt Ion:112 Resp: 372
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

Tgt Ion:152 Resp: 124918
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 159.8 0.0 353.6

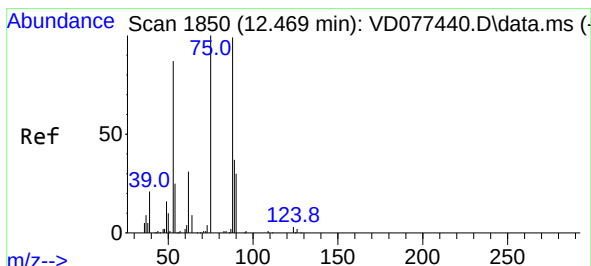
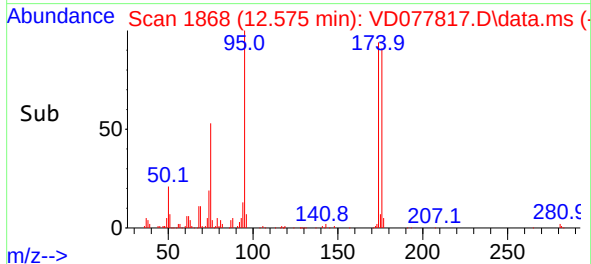
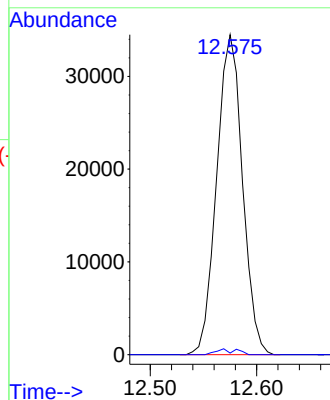
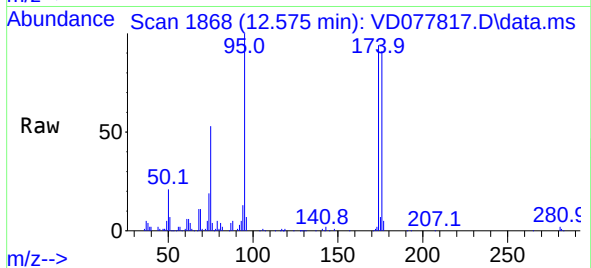




#76
1,2,3-Trichloropropane
Concen: 53.448 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

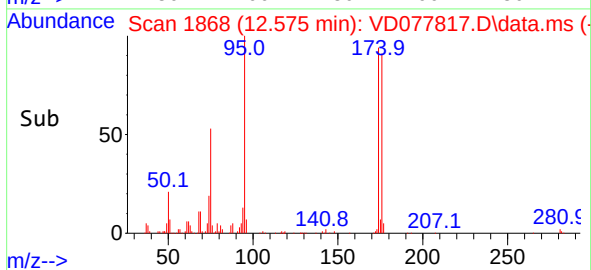
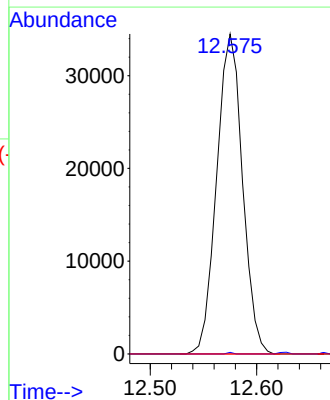
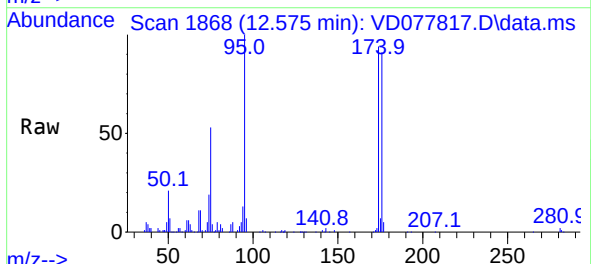
Instrument :
MSVOA_D
ClientSampleId :

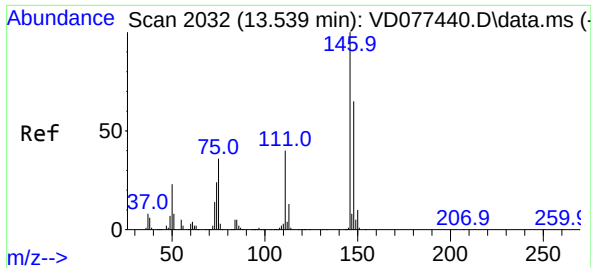
Tgt Ion: 75 Resp: 57987
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.290 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077817.D
Acq: 11 Dec 2023 17:55

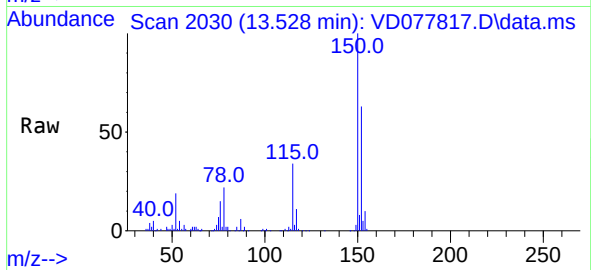
Tgt Ion: 75 Resp: 57987
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.528 min Scan# 20
 Delta R.T. -0.011 min
 Lab File: VD077817.D
 Acq: 11 Dec 2023 17:55

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	657
Ion	Ratio	Lower	Upper
146	100		
111	268.3	17.4	52.3#
148	161.2	31.7	95.1#

