

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD073024\
 Data File : VD079477.D
 Acq On : 31 Jul 2024 02:24
 Operator : RP/MD
 Sample : P3387-04
 Misc : 4.22G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 31 04:37:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

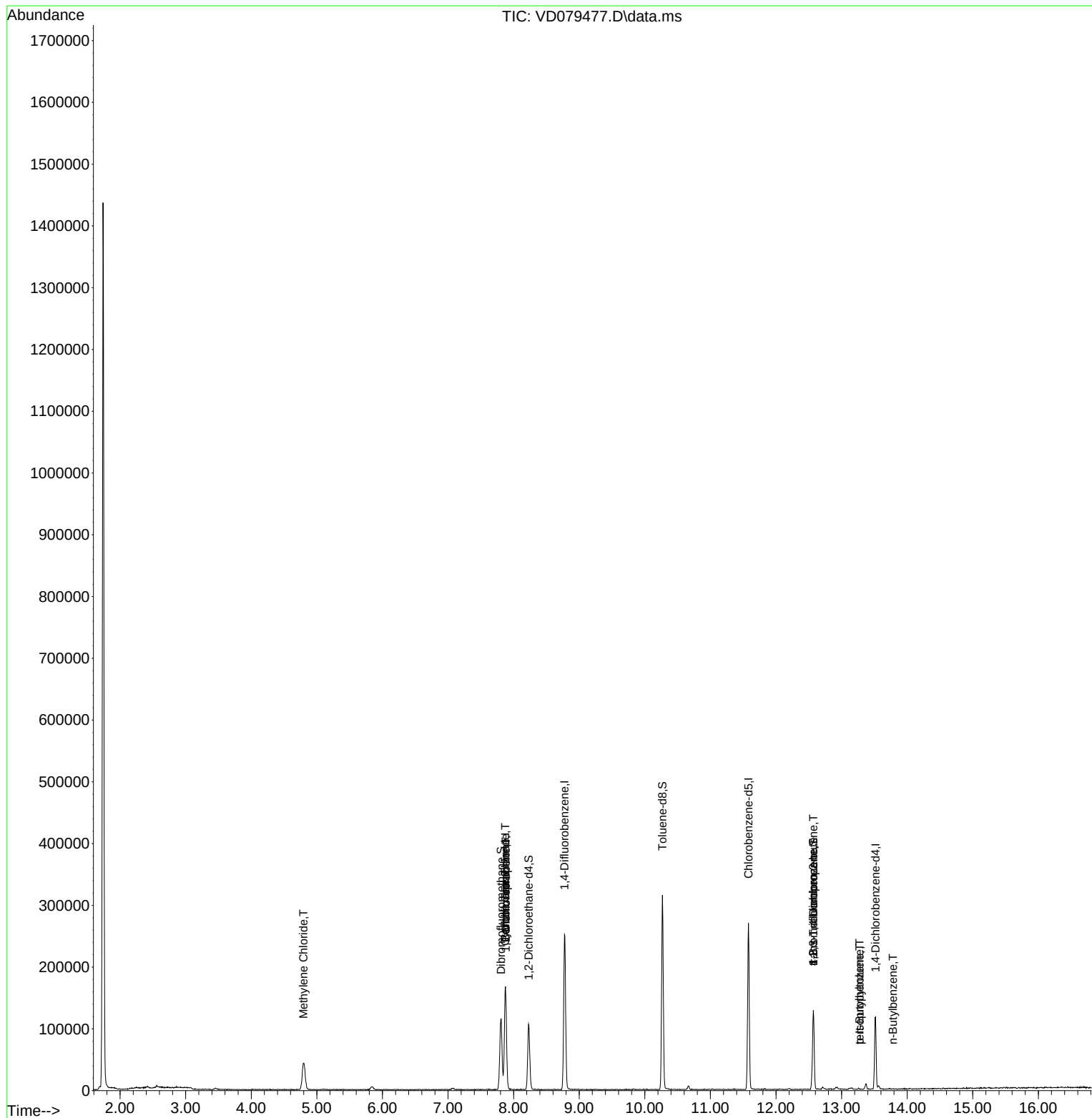
Internal Standards						
1) Pentafluorobenzene	7.875	168	133861	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	236158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	162091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	35794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79907	58.759	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.520%	
35) Dibromofluoromethane	7.811	113	87005	54.432	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.860%	
50) Toluene-d8	10.269	98	224333	36.140	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 72.280%	
62) 4-Bromofluorobenzene	12.569	95	37848	21.070	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 42.140%	
Target Compounds						Qvalue
5) Bromomethane	2.693	94	325	Below Cal	#	1
13) Acrolein	3.975	56	61	Below Cal	#	15
20) Methylene Chloride	4.793	84	35432	3.554	ug/l	90
31) Cyclohexane	7.869	56	2656	1.176	ug/l	# 10
36) 1,1-Dichloropropene	7.881	75	9747	4.468	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	12756	5.562	ug/l	# 16
76) 1,2,3-Trichloropropane	12.569	75	19205	61.382	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	19205	117.073	ug/l	# 19
83) tert-Butylbenzene	13.275	119	55	3.654	ug/l	# 31
86) p-Isopropyltoluene	13.275	119	55	3.907	ug/l	# 51
89) n-Butylbenzene	13.781	91	60	3.806	ug/l	# 34

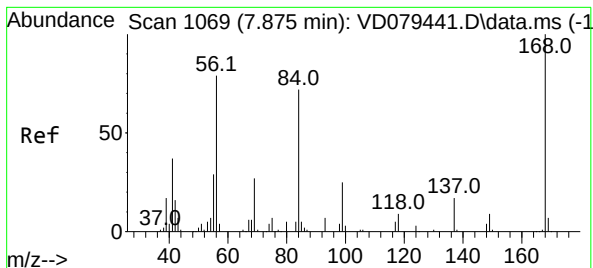
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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Quant Time: Jul 31 04:37:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
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: VD079477.D

Acq: 31 Jul 2024 02:24

Instrument :

MSVOA_D

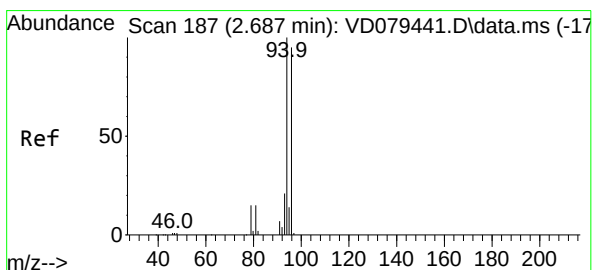
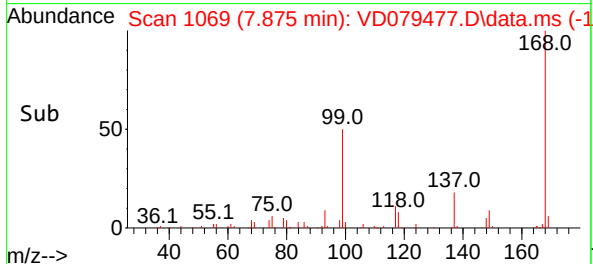
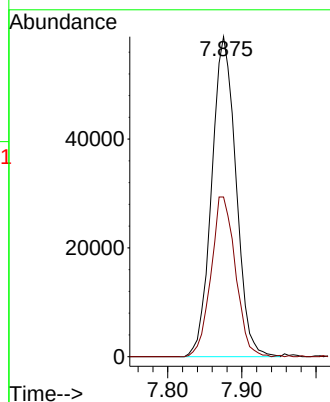
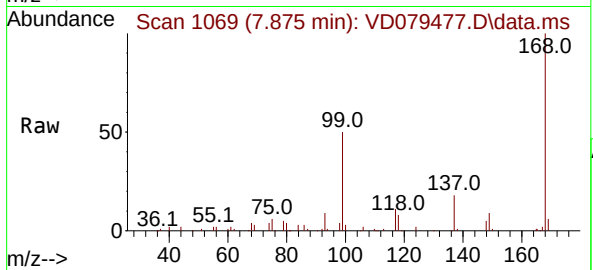
ClientSampleId :

Tgt Ion:168 Resp: 133861

Ion Ratio Lower Upper

168 100

99 49.9 41.1 61.7



#5

Bromomethane

Concen: Below Cal

RT: 2.693 min Scan# 188

Delta R.T. 0.006 min

Lab File: VD079477.D

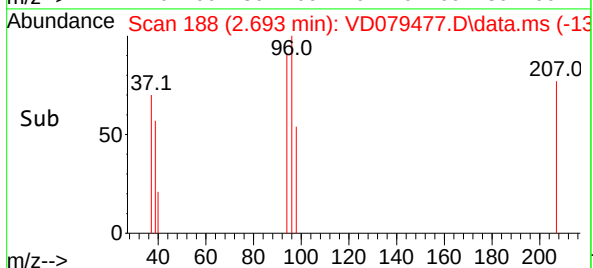
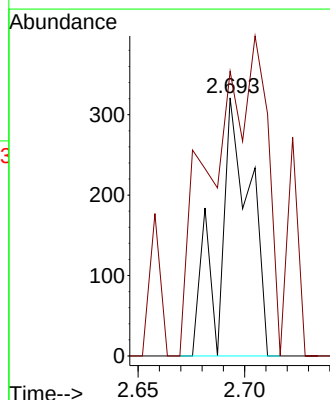
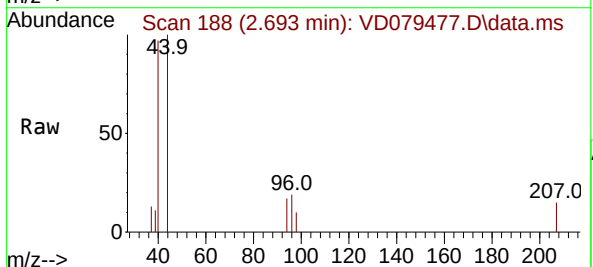
Acq: 31 Jul 2024 02:24

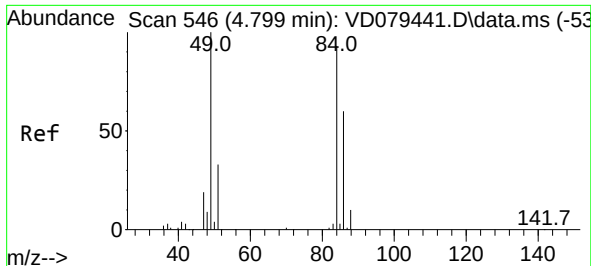
Tgt Ion: 94 Resp: 325

Ion Ratio Lower Upper

94 100

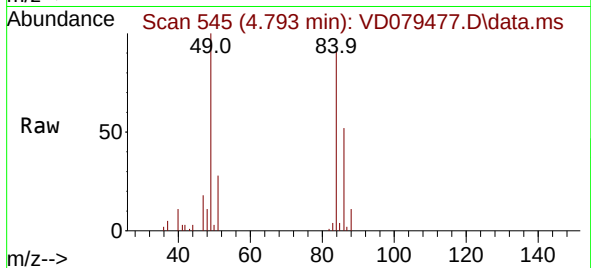
96 248.6 76.9 115.3#





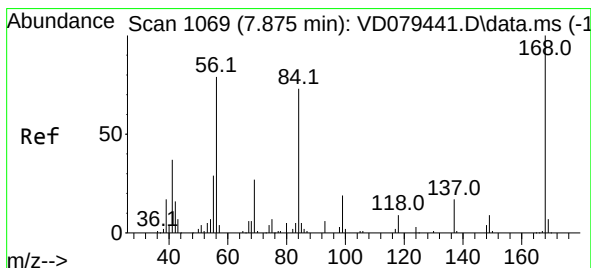
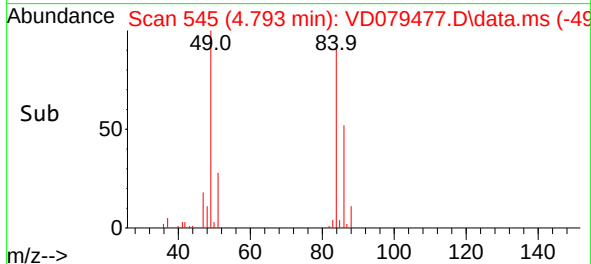
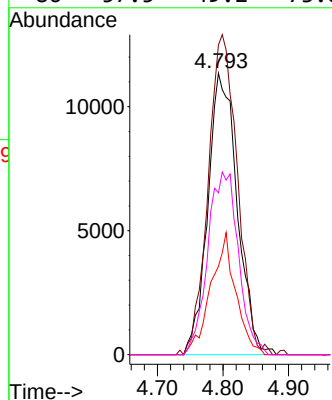
#20
Methylene Chloride
Concen: 3.554 ug/l
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 35432

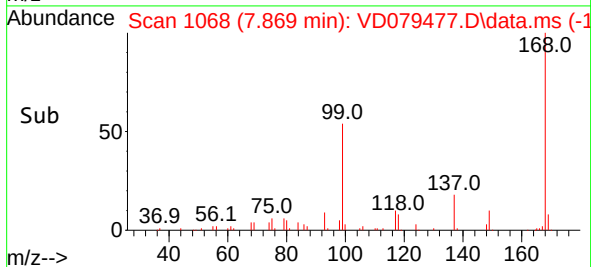
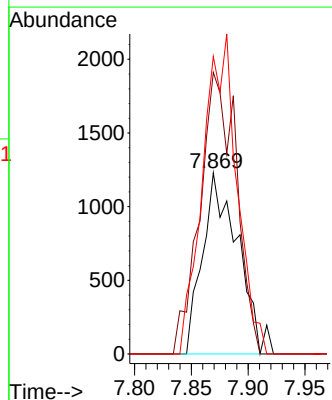
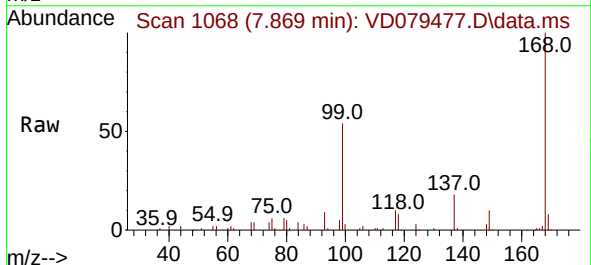
Ion	Ratio	Lower	Upper
84	100		
49	108.7	75.6	113.4
51	31.4	24.2	36.2
86	57.5	49.2	73.8

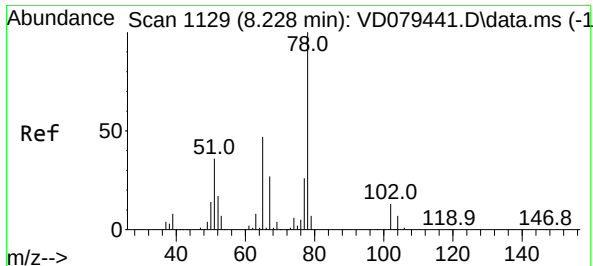


#31
Cyclohexane
Concen: 1.176 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.012 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Tgt Ion: 56 Resp: 2656

Ion	Ratio	Lower	Upper
56	100		
69	155.5	28.0	42.0#
84	164.3	87.4	131.0#





#33

1,2-Dichloroethane-d4

Concen: 58.759 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079477.D

Acq: 31 Jul 2024 02:24

Instrument :

MSVOA_D

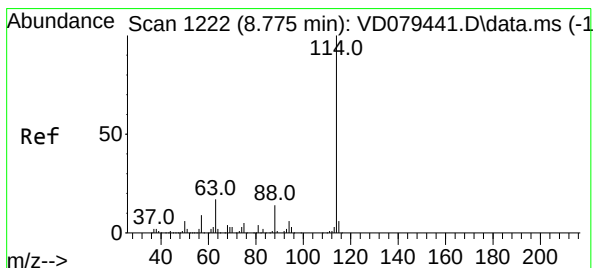
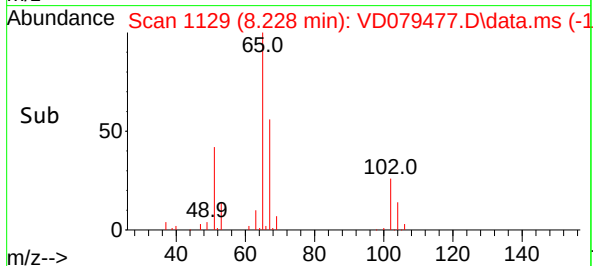
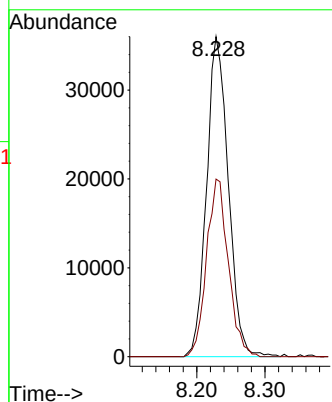
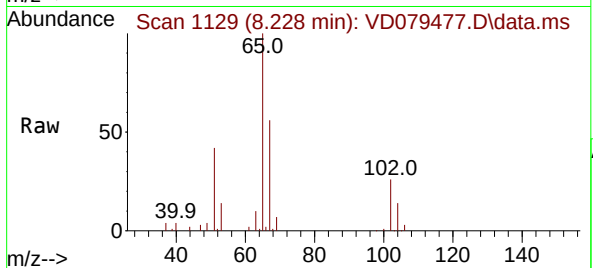
ClientSampleId :

Tgt Ion: 65 Resp: 79907

Ion Ratio Lower Upper

65 100

67 55.6 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079477.D

Acq: 31 Jul 2024 02:24

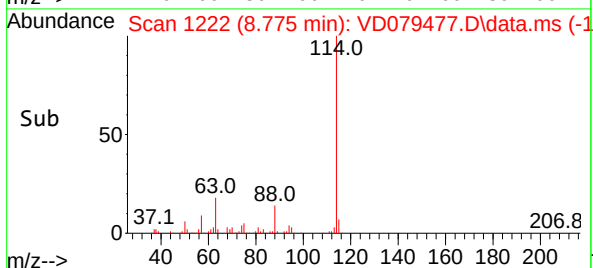
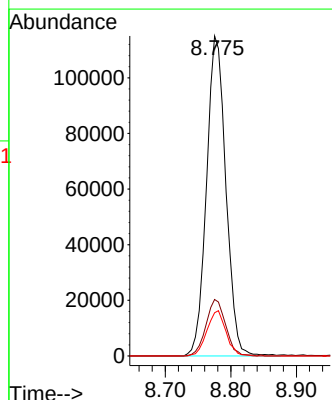
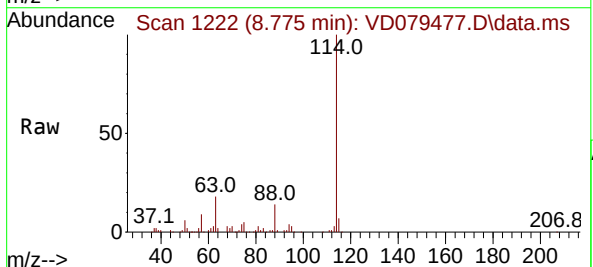
Tgt Ion: 114 Resp: 236158

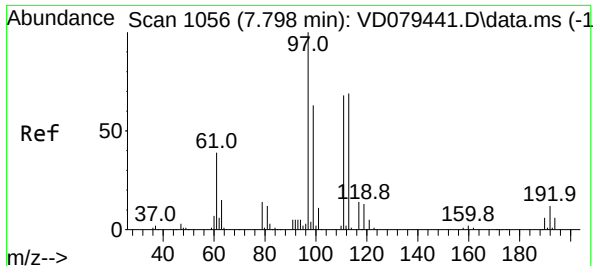
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.0

88 13.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 54.432 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

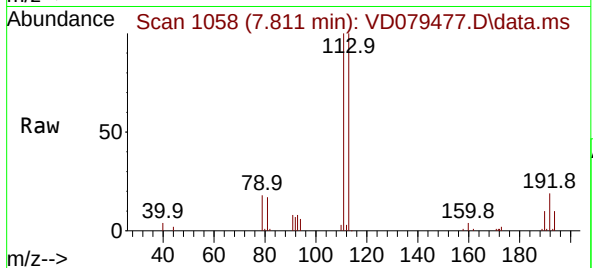
Lab File: VD079477.D

Acq: 31 Jul 2024 02:24

Instrument :

MSVOA_D

ClientSampleId :



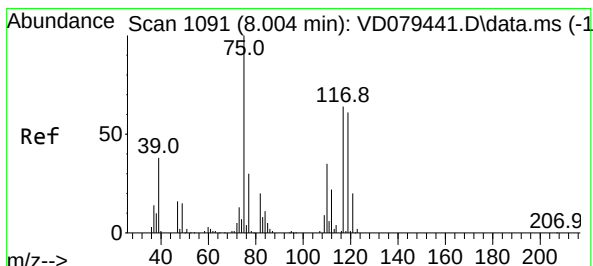
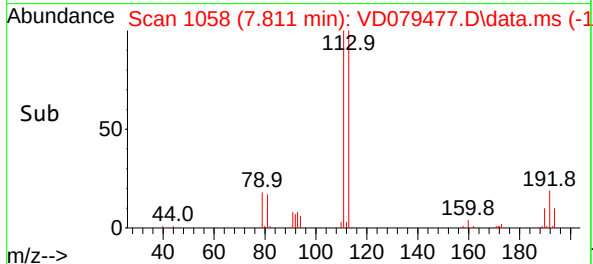
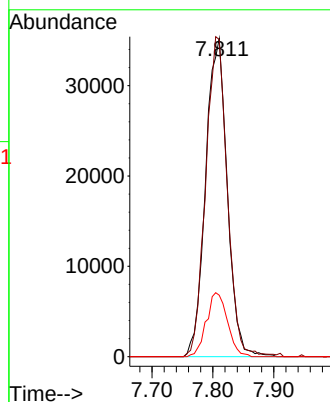
Tgt Ion:113 Resp: 87005

Ion Ratio Lower Upper

113 100

111 100.1 84.0 126.0

192 19.6 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.468 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD079477.D

Acq: 31 Jul 2024 02:24

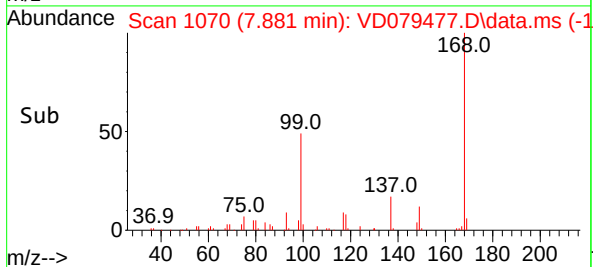
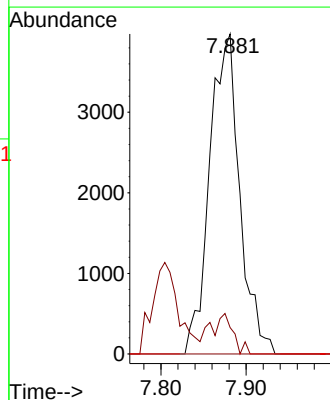
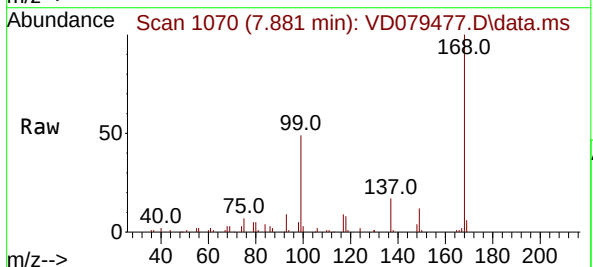
Tgt Ion: 75 Resp: 9747

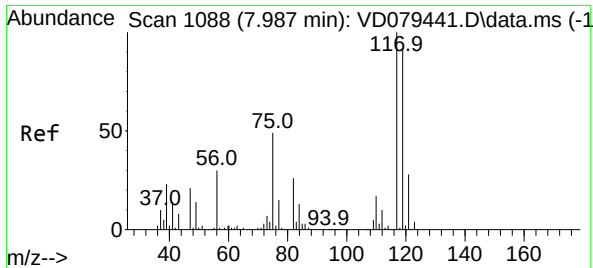
Ion Ratio Lower Upper

75 100

110 9.5 19.6 58.7#

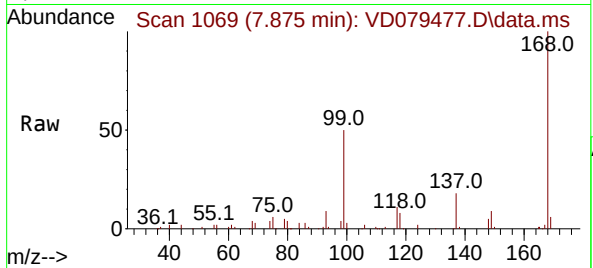
77 0.0 26.1 39.1#



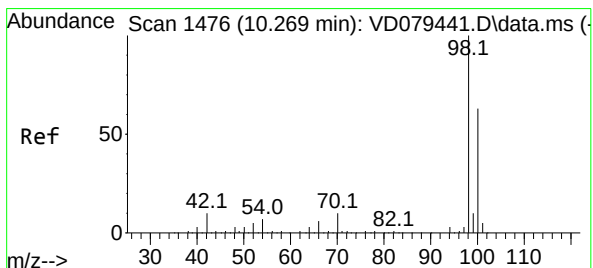
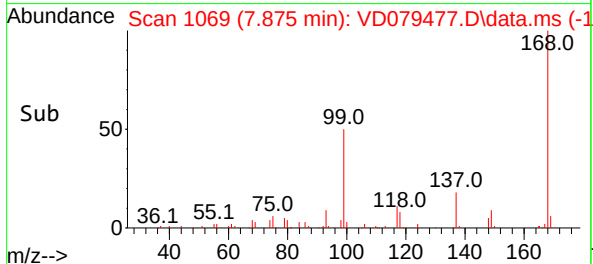
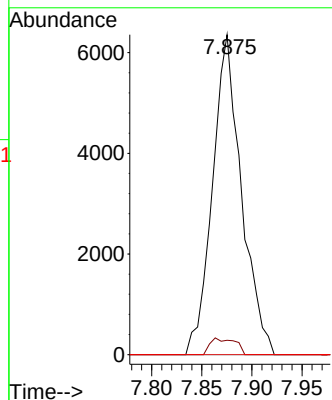


#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Instrument :
MSVOA_D
ClientSampleId :

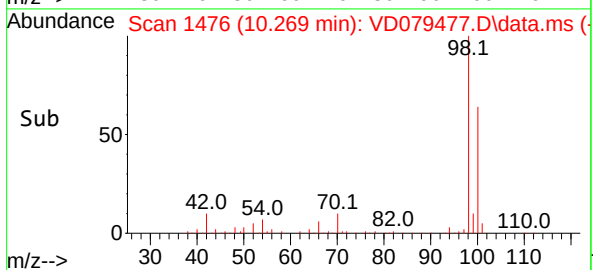
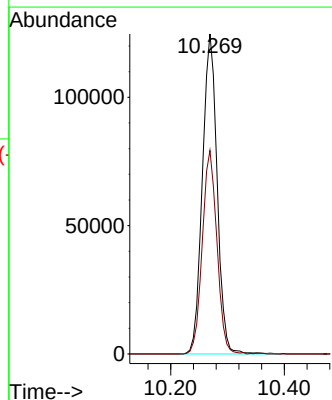
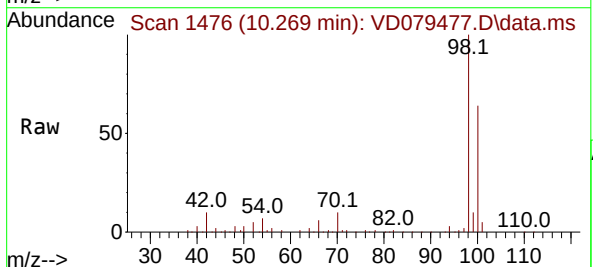


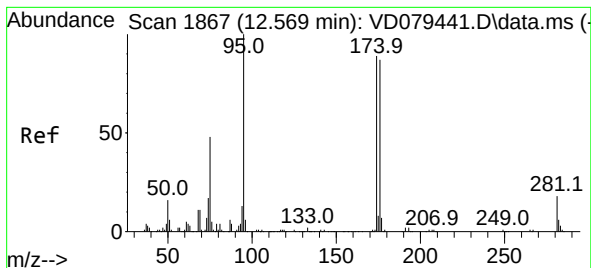
Tgt Ion:117 Resp: 12756
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 36.140 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Tgt Ion: 98 Resp: 224333
Ion Ratio Lower Upper
98 100
100 63.0 51.6 77.4

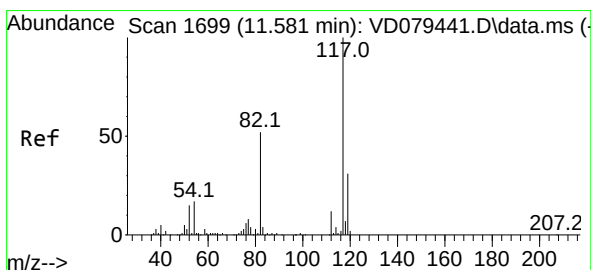
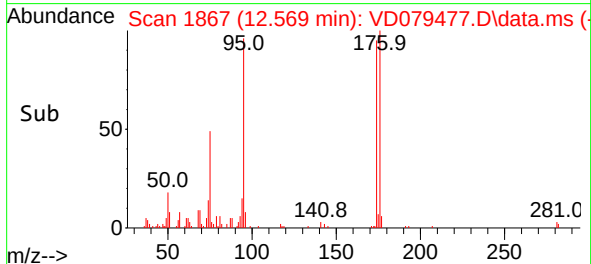
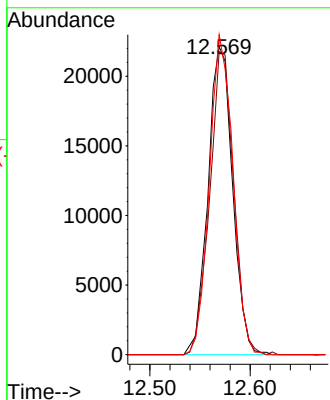
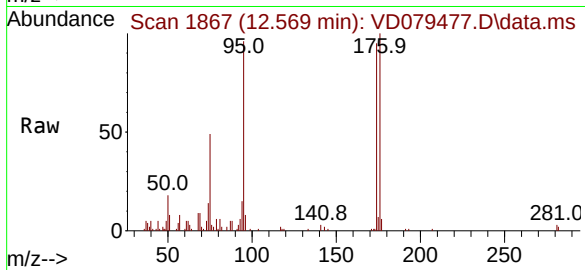




#62
4-Bromofluorobenzene
Concen: 21.070 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

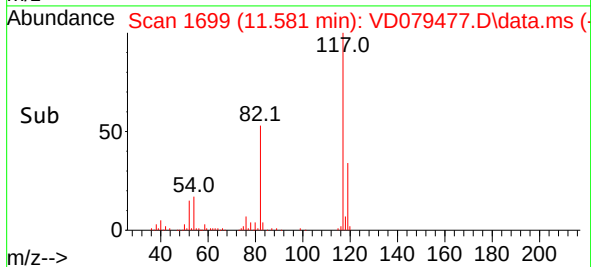
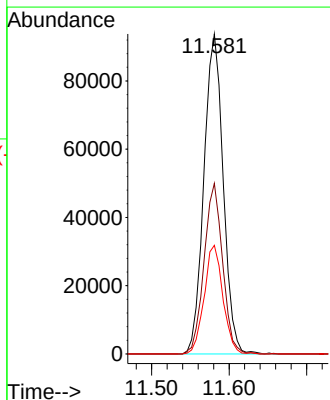
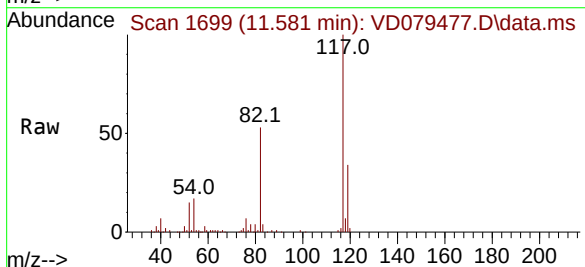
Instrument :
MSVOA_D
ClientSampleId :

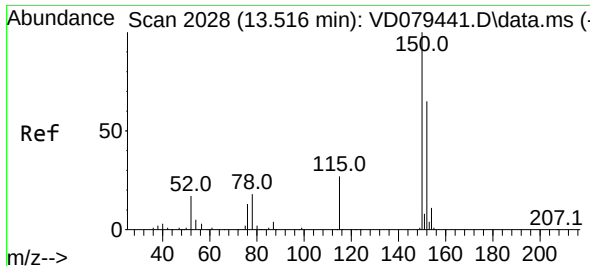
Tgt Ion: 95 Resp: 37848
Ion Ratio Lower Upper
95 100
174 96.1 0.0 195.4
176 99.0 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

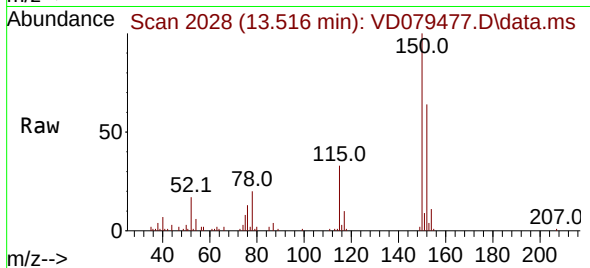
Tgt Ion: 117 Resp: 162091
Ion Ratio Lower Upper
117 100
82 53.3 39.8 59.6
119 34.0 25.7 38.5



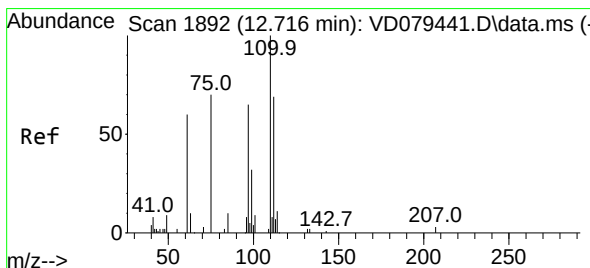
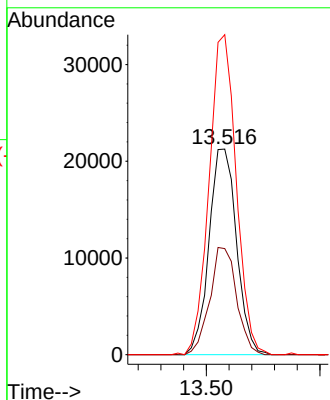
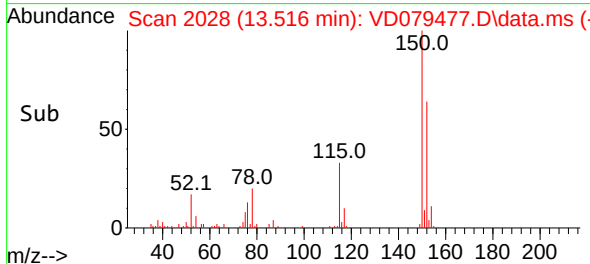


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

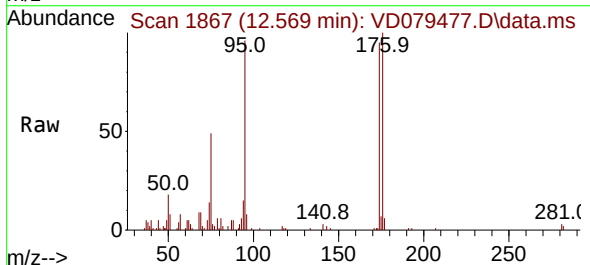
Instrument :
MSVOA_D
ClientSampleId :



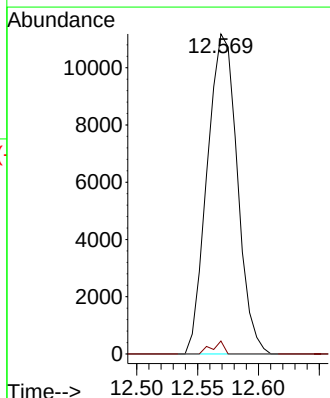
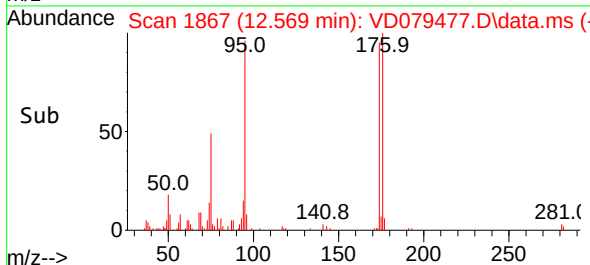
Tgt Ion:152 Resp: 35794
Ion Ratio Lower Upper
152 100
115 50.8 26.5 79.5
150 153.3 0.0 341.6

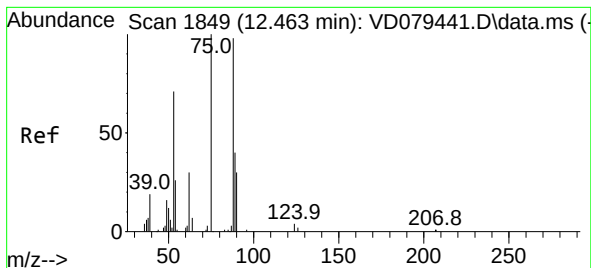


#76
1,2,3-Trichloropropane
Concen: 61.382 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24



Tgt Ion: 75 Resp: 19205
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

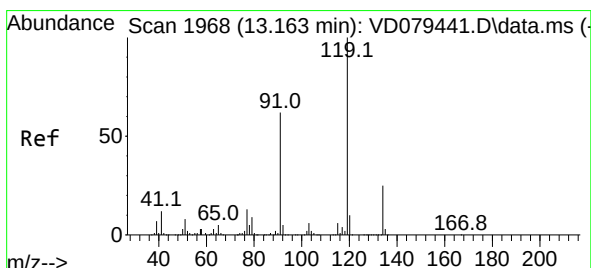
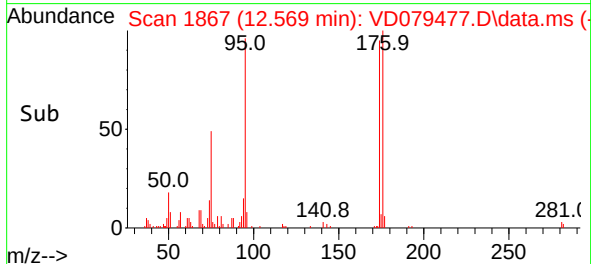
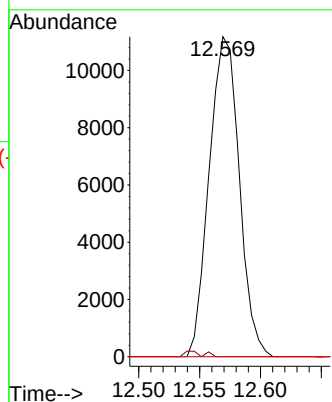
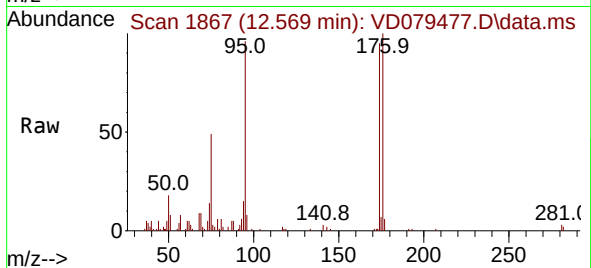




#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.073 ug/l
 RT: 12.569 min Scan# 1867
 Delta R.T. 0.100 min
 Lab File: VD079477.D
 Acq: 31 Jul 2024 02:24

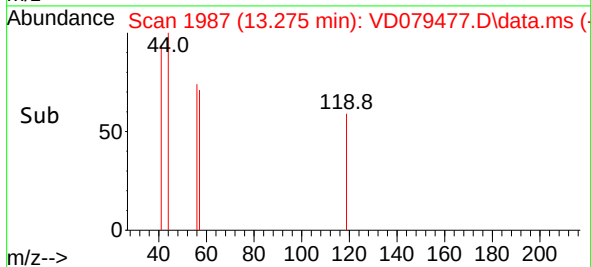
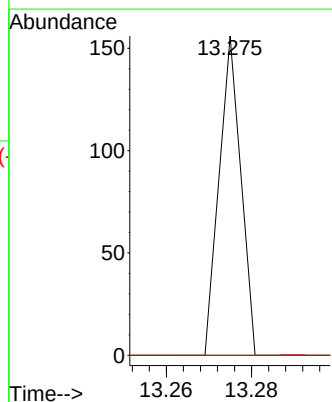
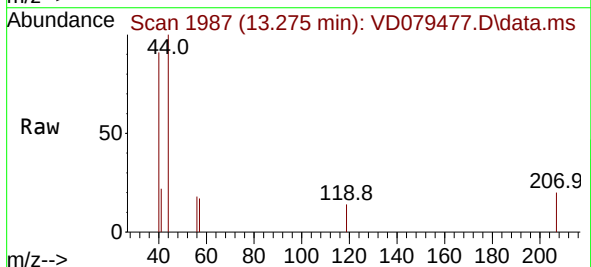
Instrument :
 MSVOA_D
 ClientSampleId :

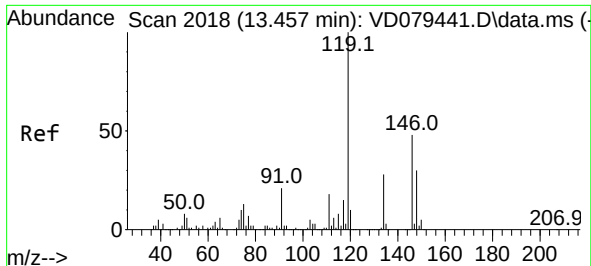
Tgt Ion: 75 Resp: 19205
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.4 92.2#
 89 0.0 35.4 53.0#



#83
 tert-Butylbenzene
 Concen: 3.654 ug/l
 RT: 13.275 min Scan# 1987
 Delta R.T. 0.112 min
 Lab File: VD079477.D
 Acq: 31 Jul 2024 02:24

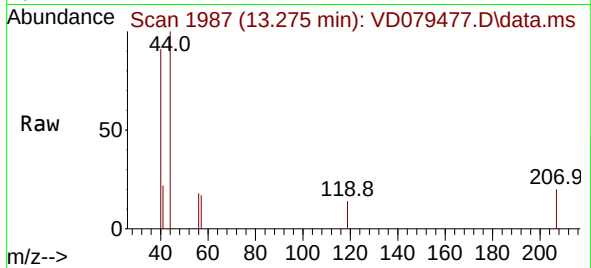
Tgt Ion: 119 Resp: 55
 Ion Ratio Lower Upper
 119 100
 91 0.0 28.2 84.7#
 134 0.0 13.4 40.1#



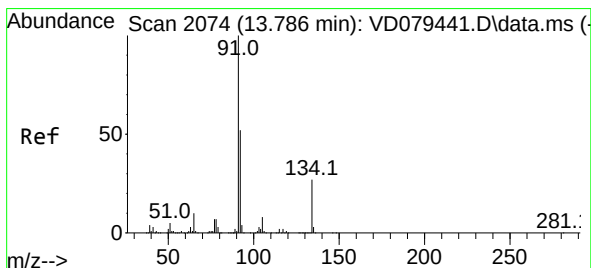
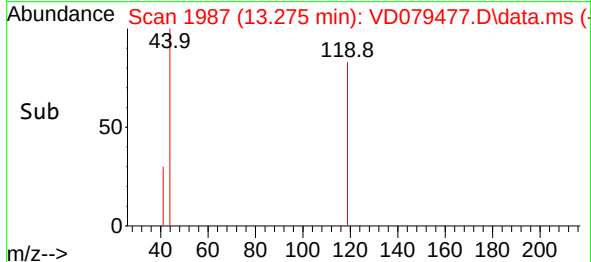
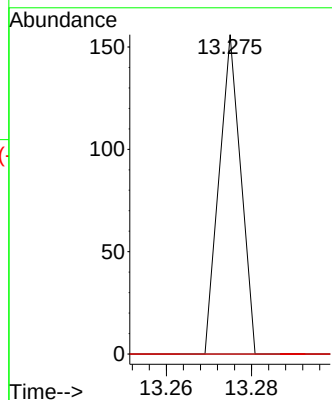


#86
p-Isopropyltoluene
Concen: 3.907 ug/l
RT: 13.275 min Scan# 1987
Delta R.T. -0.182 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 55
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.806 ug/l
RT: 13.781 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VD079477.D
Acq: 31 Jul 2024 02:24

Tgt Ion: 91 Resp: 60
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

