

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080724\
 Data File : VD079656.D
 Acq On : 07 Aug 2024 23:30
 Operator : RP/MD
 Sample : VD0807SBL02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 08 01:57:57 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)

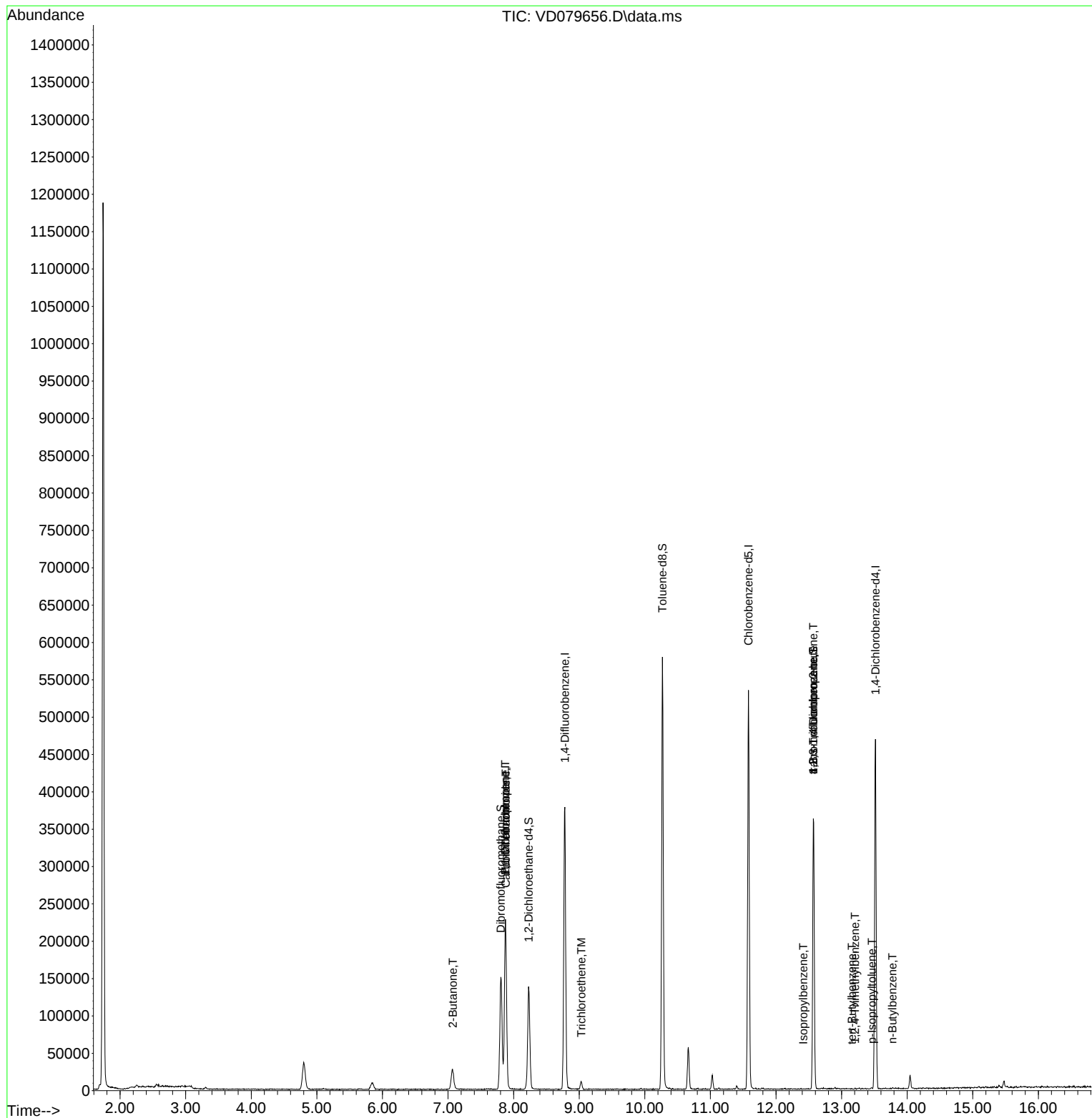
Internal Standards						
1) Pentafluorobenzene	7.875	168	175489	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	338723	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	310824	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	104797	58.782	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.560%			
35) Dibromofluoromethane	7.805	113	113673	49.582	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.160%			
50) Toluene-d8	10.269	98	398653	44.777	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 89.560%			
62) 4-Bromofluorobenzene	12.569	95	104612	40.604	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 81.200%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	546	Below Cal	#	18
11) Tert butyl alcohol	5.046	59	130	Below Cal	#	86
20) Methylene Chloride	4.799	84	27681	Below Cal	#	85
25) 2-Butanone	7.075	43	1434	2.919	ug/l #	42
36) 1,1-Dichloropropene	7.875	75	13649	4.362	ug/l #	48
38) Carbon Tetrachloride	7.881	117	17707	5.383	ug/l #	18
44) Trichloroethene	9.034	130	3719	1.503	ug/l	80
73) Isopropylbenzene	12.416	105	212	3.648	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	53713	47.789	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	53713	91.147	ug/l #	19
83) tert-Butylbenzene	13.157	119	140	3.647	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	537	3.491	ug/l	87
86) p-Isopropyltoluene	13.463	119	426	3.930	ug/l #	51
89) n-Butylbenzene	13.775	91	535	3.842	ug/l #	66

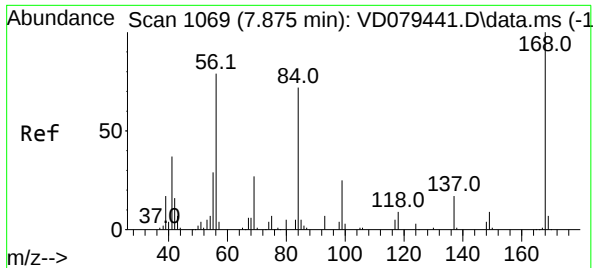
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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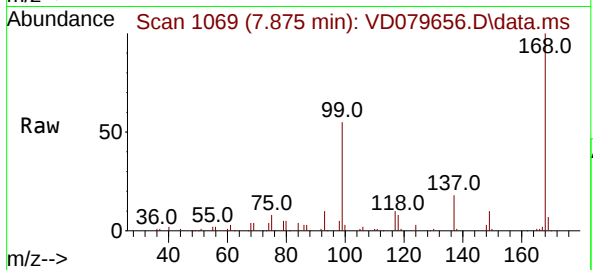
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration



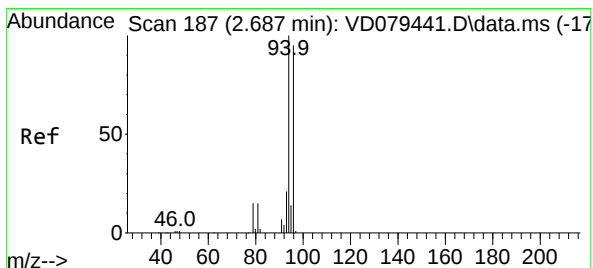
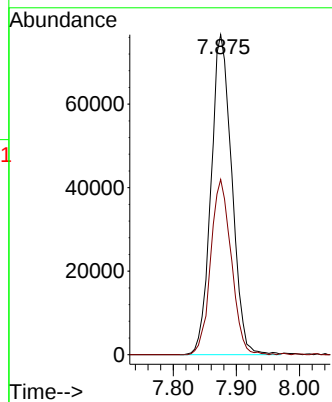
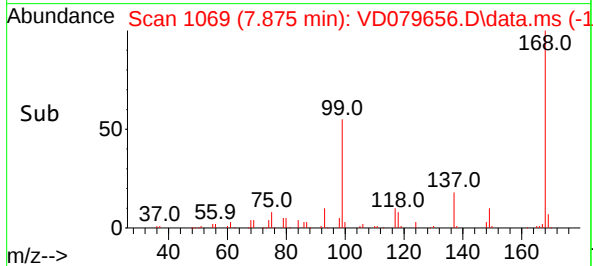


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Instrument :
MSVOA_D
ClientSampleId :

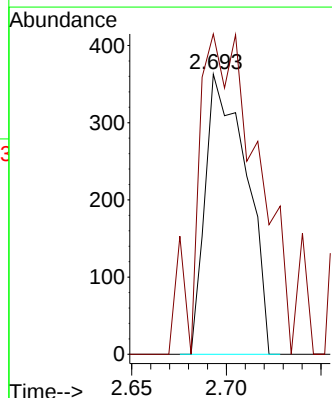
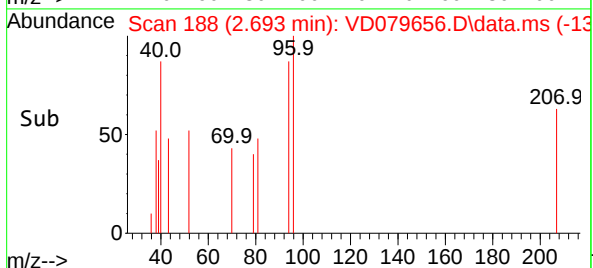
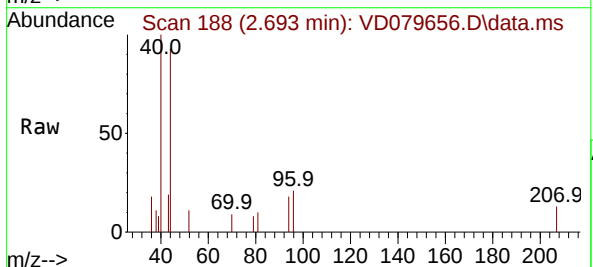


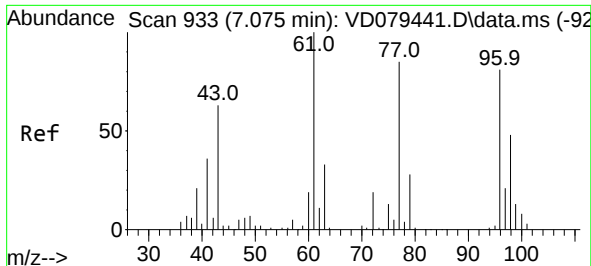
Tgt Ion:168 Resp: 175489
Ion Ratio Lower Upper
168 100
99 54.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion: 94 Resp: 546
Ion Ratio Lower Upper
94 100
96 176.4 76.9 115.3#





#25

2-Butanone

Concen: 2.919 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.018 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Instrument :

MSVOA_D

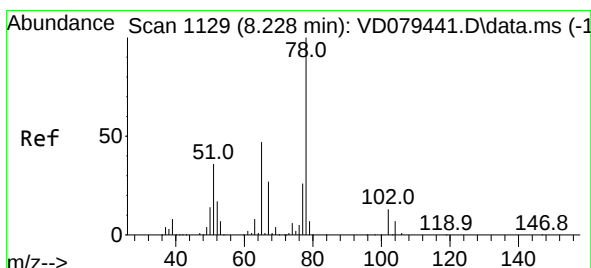
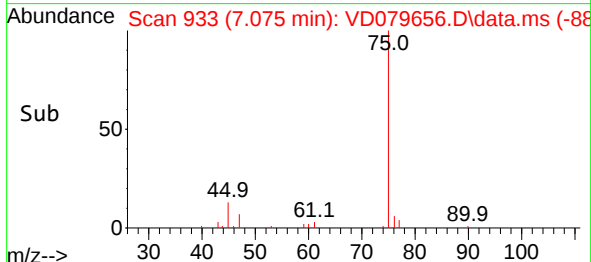
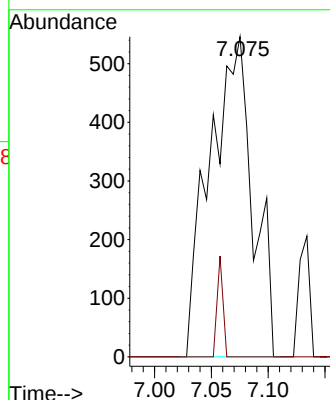
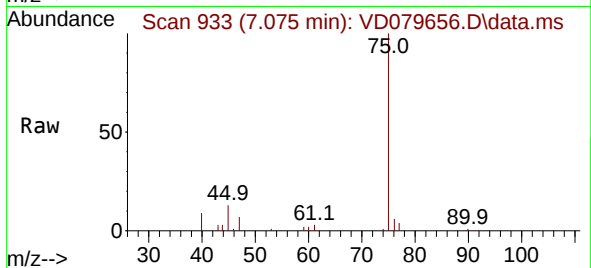
ClientSampleId :

Tgt Ion: 43 Resp: 1434

Ion Ratio Lower Upper

43 100

72 0.0 26.4 39.6#



#33

1,2-Dichloroethane-d4

Concen: 58.782 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079656.D

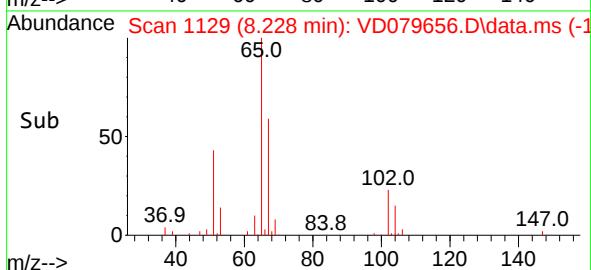
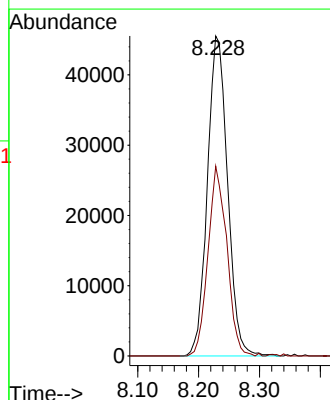
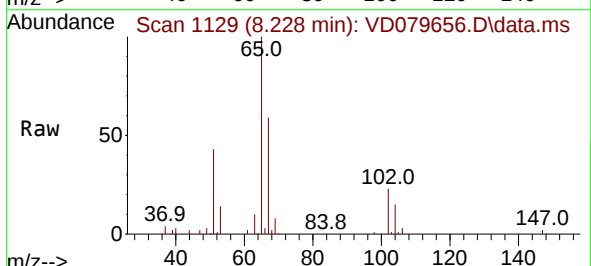
Acq: 07 Aug 2024 23:30

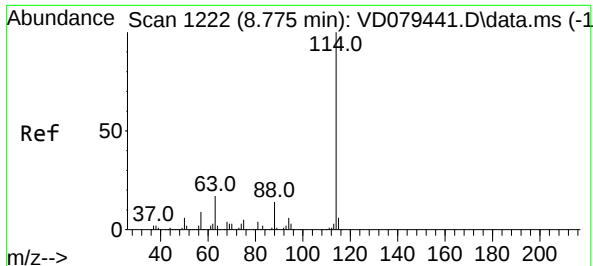
Tgt Ion: 65 Resp: 104797

Ion Ratio Lower Upper

65 100

67 55.5 0.0 111.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Instrument :

MSVOA_D

ClientSampleId :

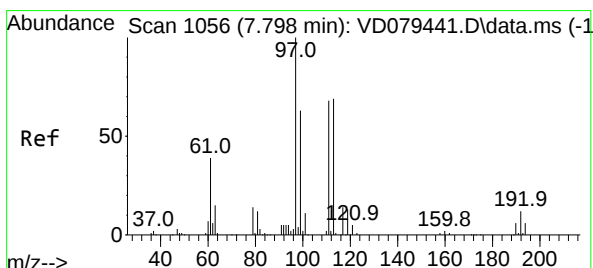
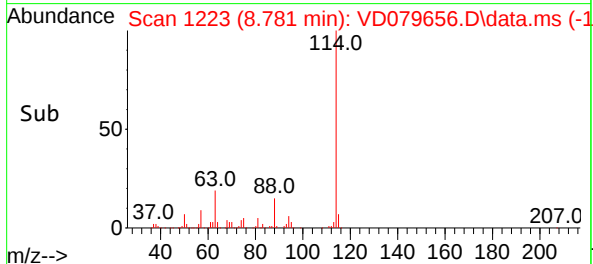
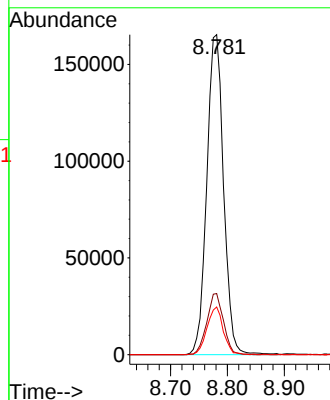
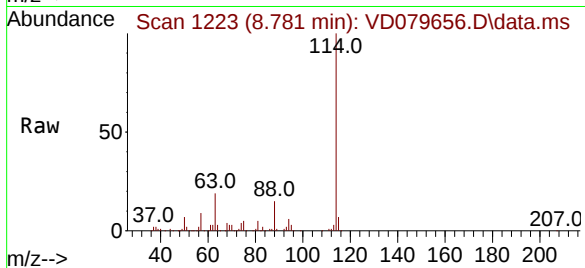
Tgt Ion:114 Resp: 338723

Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 14.9 0.0 27.2



#35

Dibromofluoromethane

Concen: 49.582 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

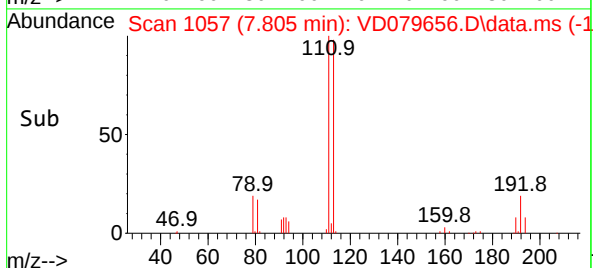
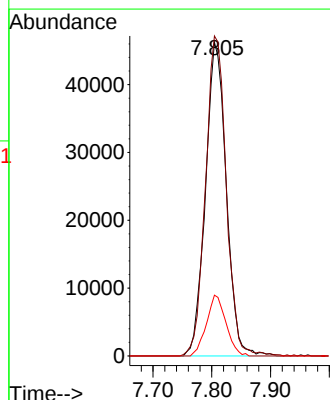
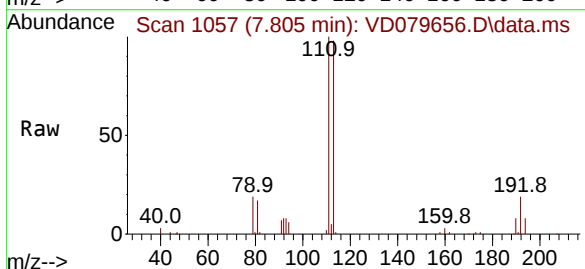
Tgt Ion:113 Resp: 113673

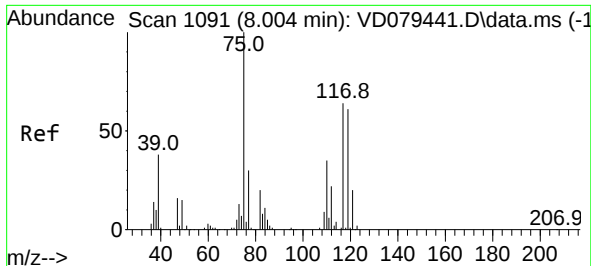
Ion Ratio Lower Upper

113 100

111 102.1 84.0 126.0

192 18.2 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.362 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

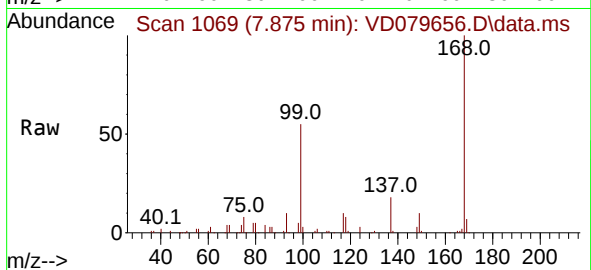
Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Instrument :

MSVOA_D

ClientSampleId :



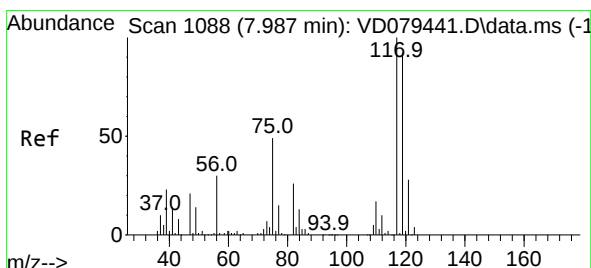
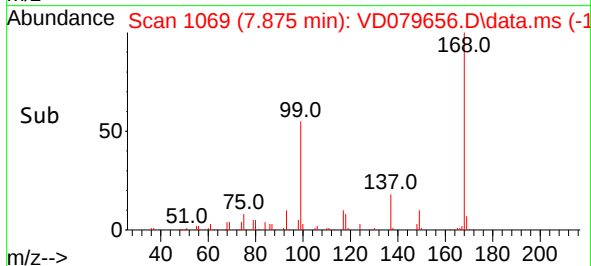
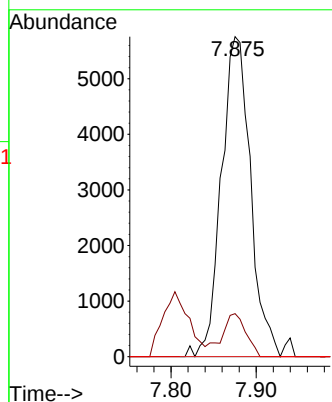
Tgt Ion: 75 Resp: 13649

Ion Ratio Lower Upper

75 100

110 10.5 19.6 58.7#

77 0.0 26.1 39.1#



#38

Carbon Tetrachloride

Concen: 5.383 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.106 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

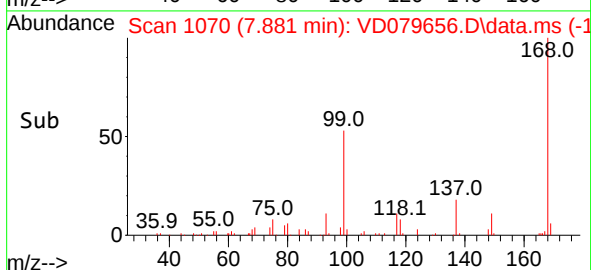
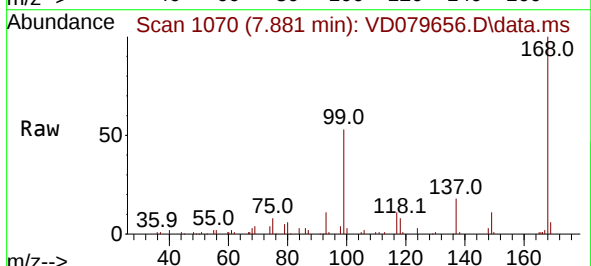
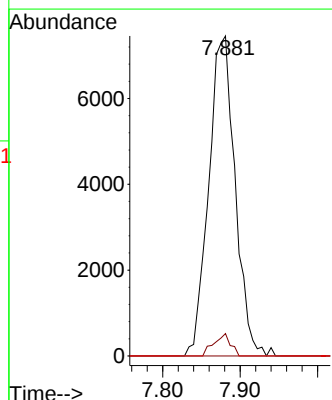
Tgt Ion: 117 Resp: 17707

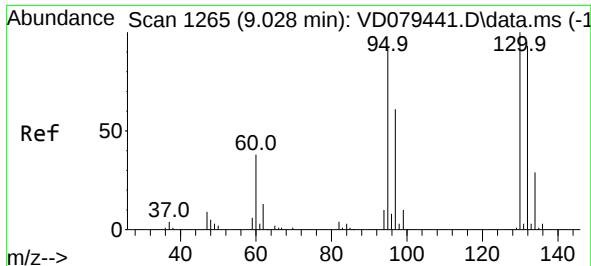
Ion Ratio Lower Upper

117 100

119 7.0 75.4 113.0#

121 0.0 25.0 37.4#

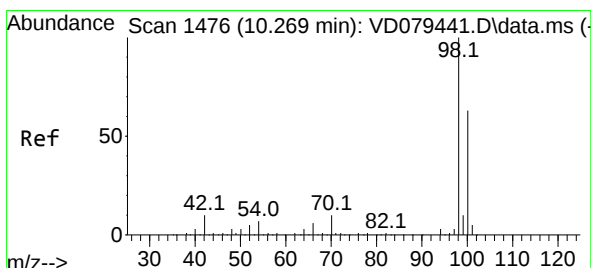
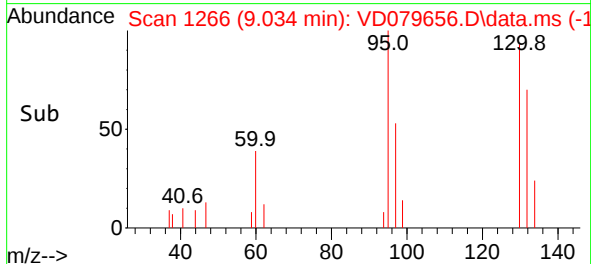
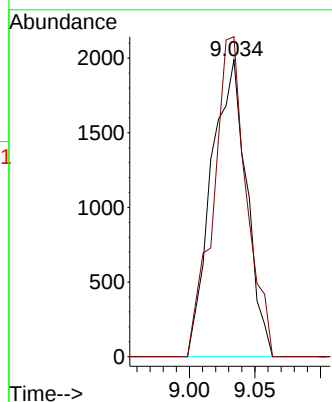
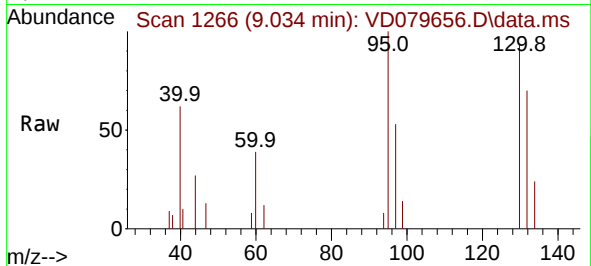




#44
Trichloroethene
Concen: 1.503 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

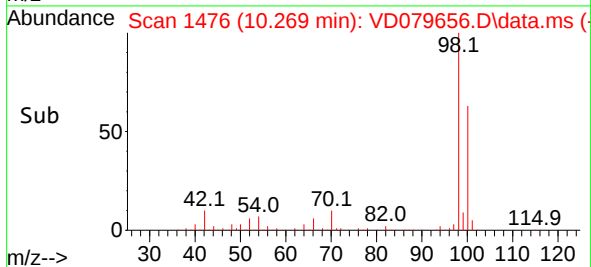
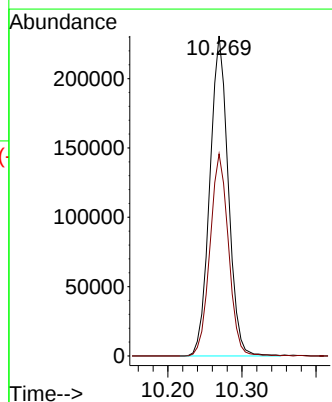
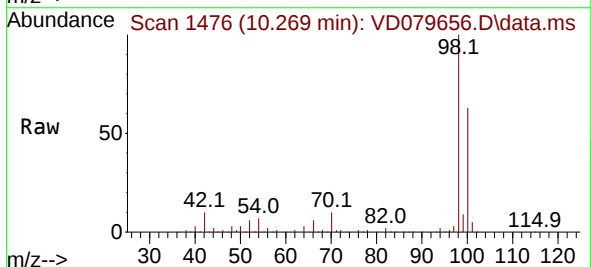
Instrument :
MSVOA_D
ClientSampleId :

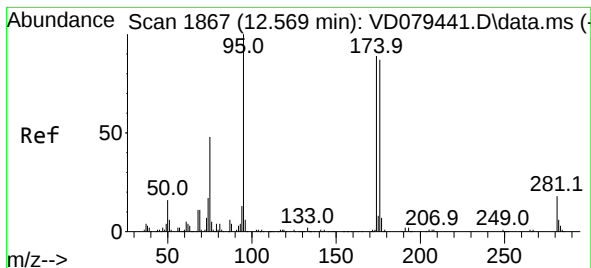
Tgt Ion:130 Resp: 3719
Ion Ratio Lower Upper
130 100
95 107.7 0.0 177.8



#50
Toluene-d8
Concen: 44.777 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion: 98 Resp: 398653
Ion Ratio Lower Upper
98 100
100 63.4 51.6 77.4

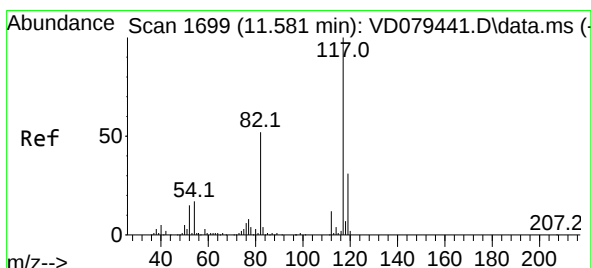
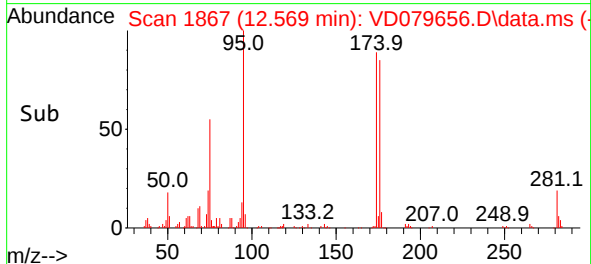
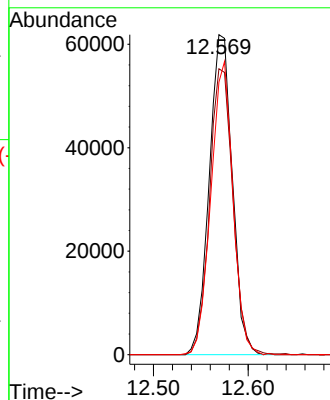
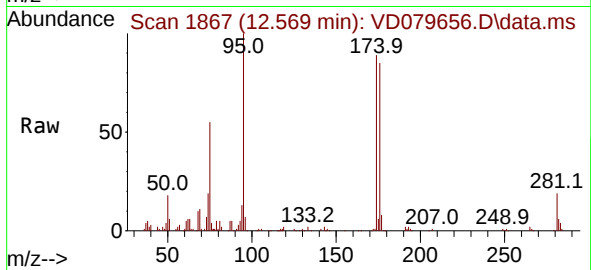




#62
4-Bromofluorobenzene
Concen: 40.604 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

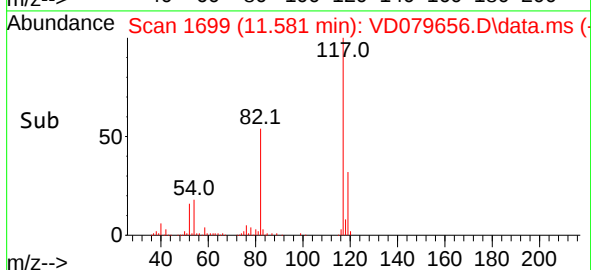
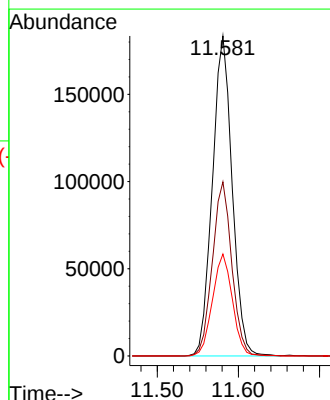
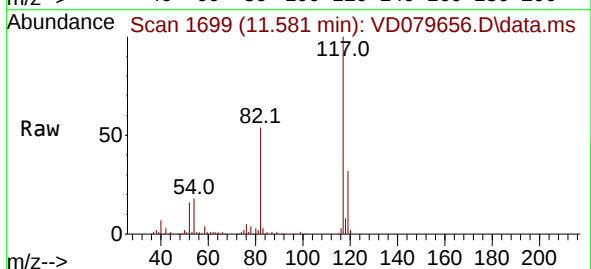
Instrument :
MSVOA_D
ClientSampleId :

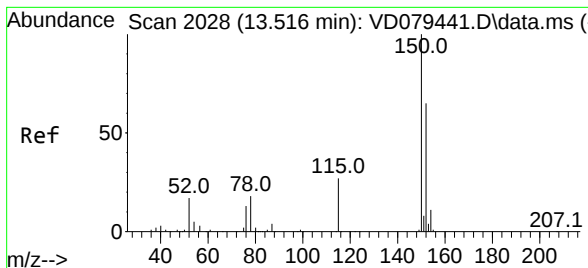
Tgt Ion: 95 Resp: 104612
Ion Ratio Lower Upper
95 100
174 90.4 0.0 195.4
176 87.7 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion: 117 Resp: 310824
Ion Ratio Lower Upper
117 100
82 54.4 39.8 59.6
119 31.8 25.7 38.5

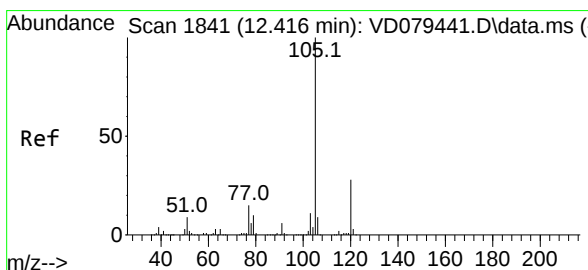
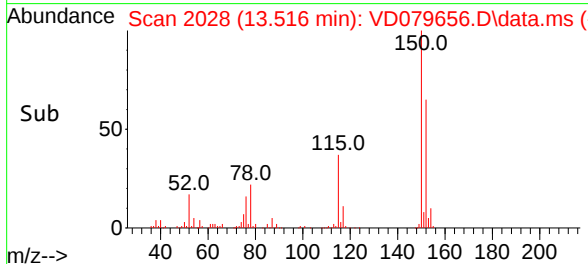
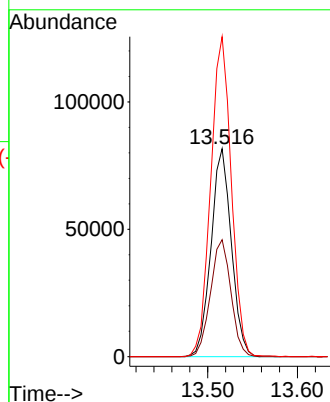
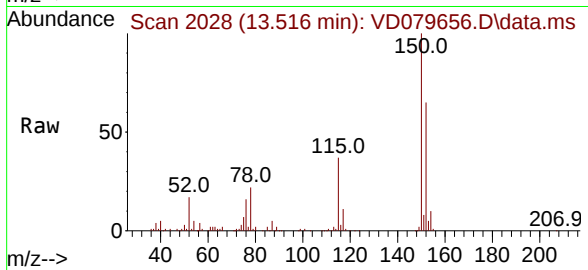




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

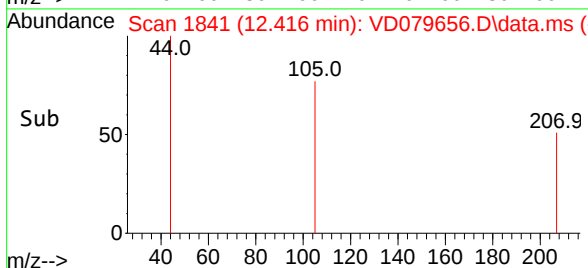
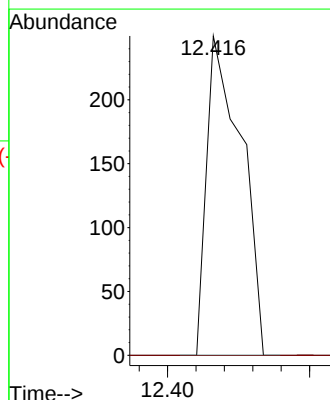
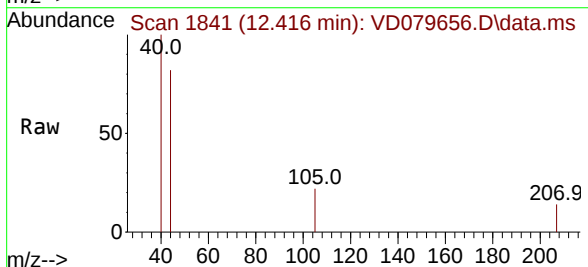
Instrument :
MSVOA_D
ClientSampleId :

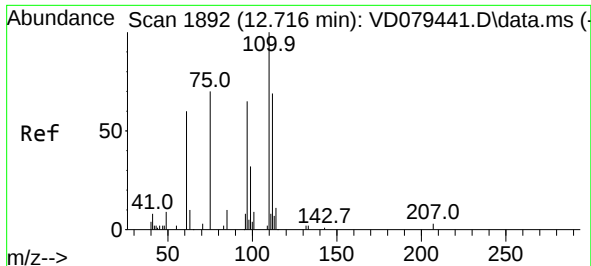
Tgt Ion:	152	Resp:	128585
Ion Ratio	Lower	Upper	
152	100		
115	56.5	26.5	79.5
150	155.8	0.0	341.6



#73
Isopropylbenzene
Concen: 3.648 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion:	105	Resp:	212
Ion Ratio	Lower	Upper	
105	100		
120	0.0	13.6	40.7#

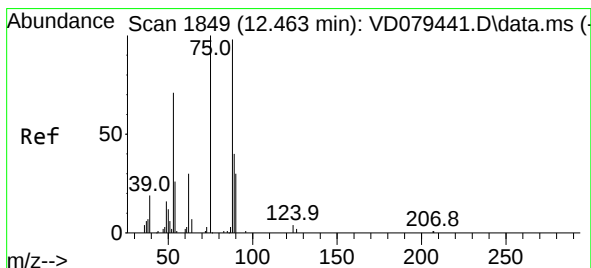
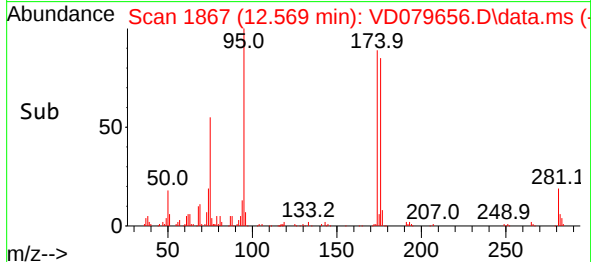
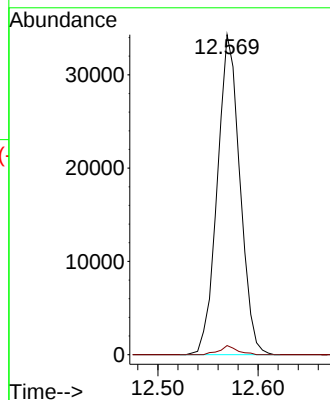
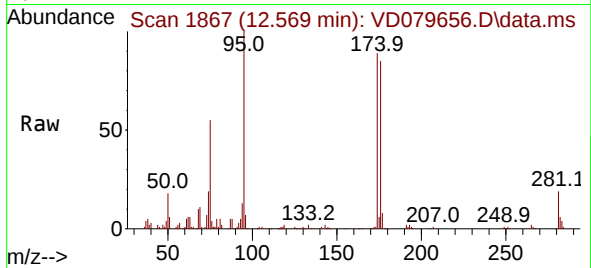




#76
1,2,3-Trichloropropane
Concen: 47.789 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

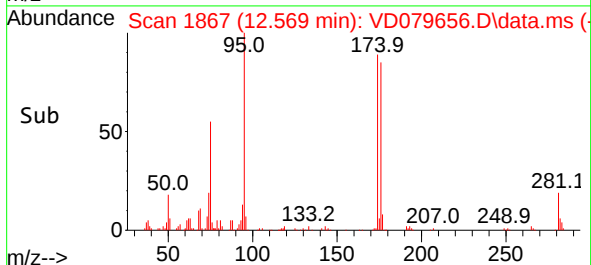
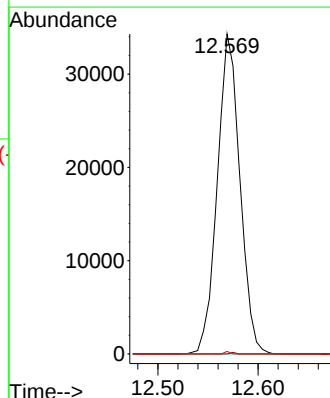
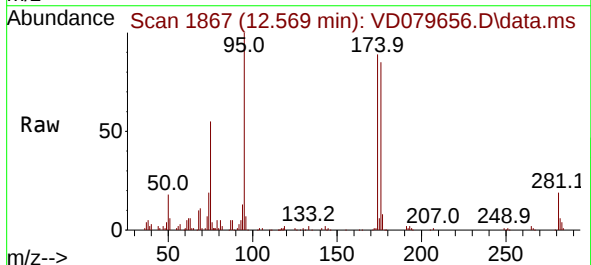
Instrument :
MSVOA_D
ClientSampleId :

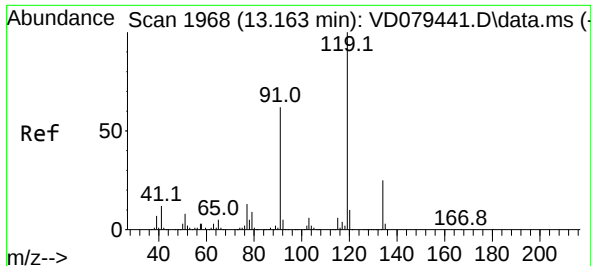
Tgt Ion: 75 Resp: 53713
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.147 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion: 75 Resp: 53713
Ion Ratio Lower Upper
75 100
53 0.1 61.4 92.2#
89 0.2 35.4 53.0#

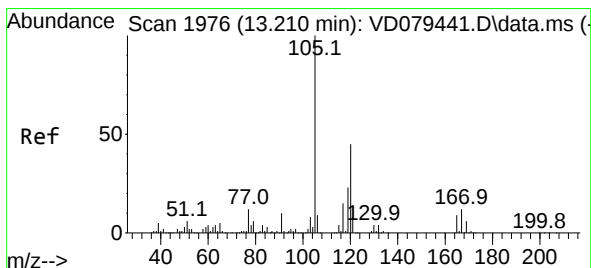
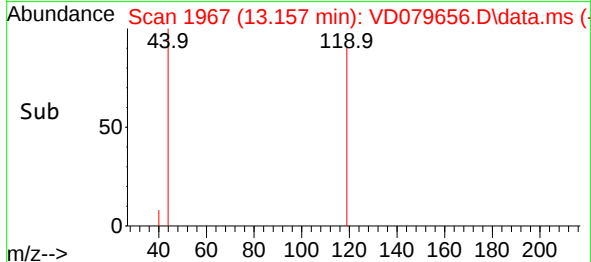
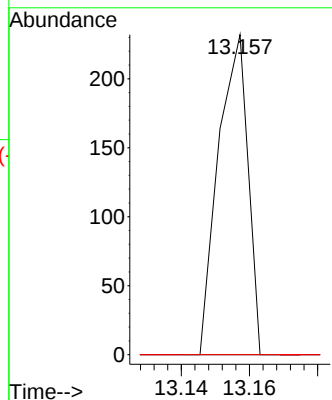
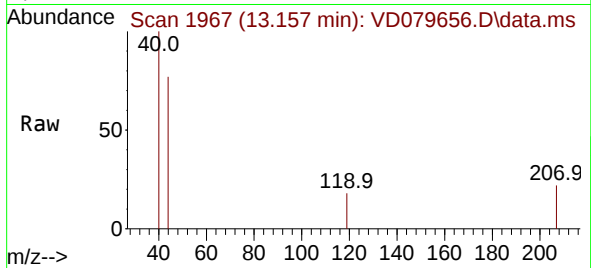




#83
tert-Butylbenzene
Concen: 3.647 ug/l
RT: 13.157 min Scan# 1967
Delta R.T. -0.006 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

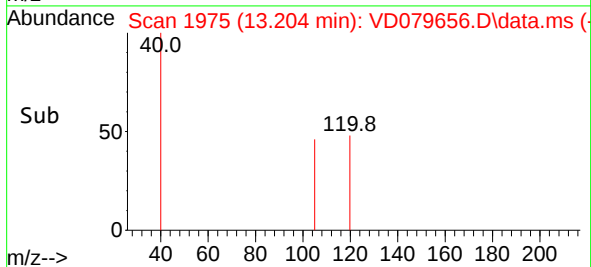
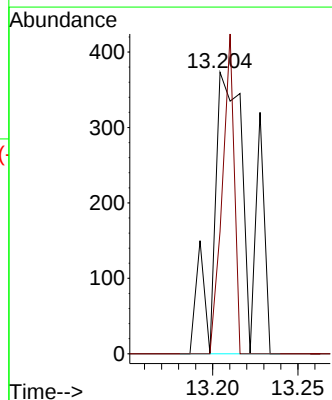
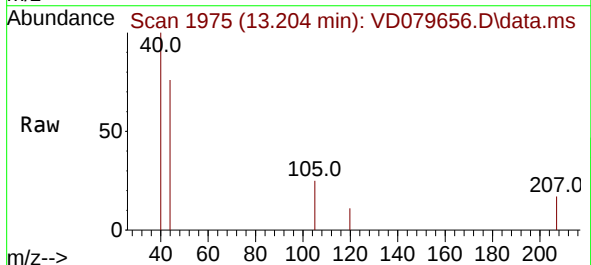
Instrument :
MSVOA_D
ClientSampleId :

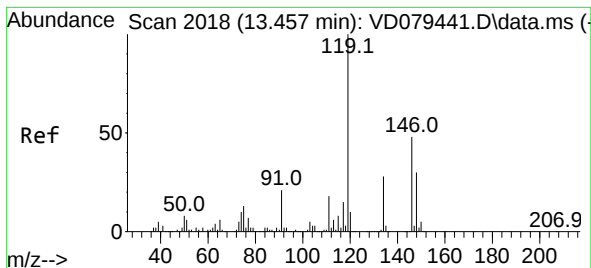
Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.491 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079656.D
Acq: 07 Aug 2024 23:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.5	23.6	71.0





#86

p-Isopropyltoluene

Concen: 3.930 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD079656.D

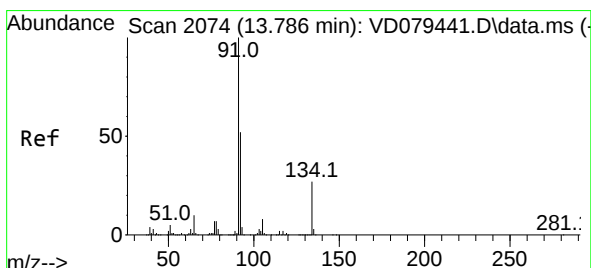
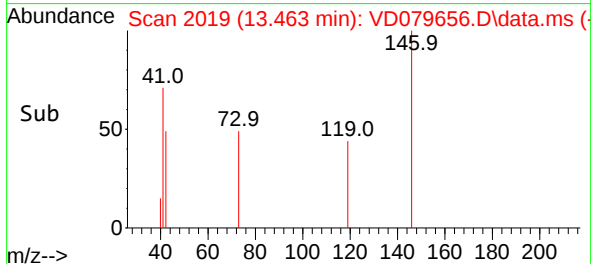
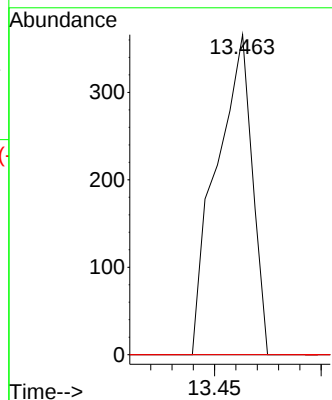
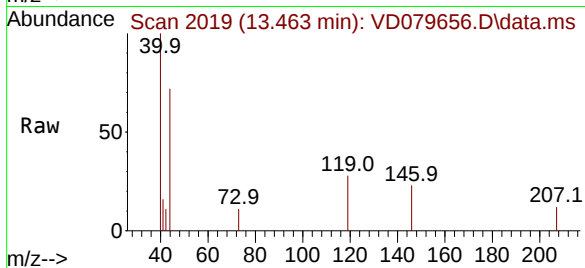
Acq: 07 Aug 2024 23:30

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	119	Resp:	426
Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.7	41.1#
91	0.0	10.7	32.1#



#89

n-Butylbenzene

Concen: 3.842 ug/l

RT: 13.775 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VD079656.D

Acq: 07 Aug 2024 23:30

Tgt Ion:	91	Resp:	535
Ion	Ratio	Lower	Upper
91	100		
92	76.6	25.7	77.0
134	12.3	13.6	40.8#

