

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080924\
 Data File : VD079693.D
 Acq On : 09 Aug 2024 15:12
 Operator : RP/MD
 Sample : P3474-12
 Misc : 7.43G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 02:10:33 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)

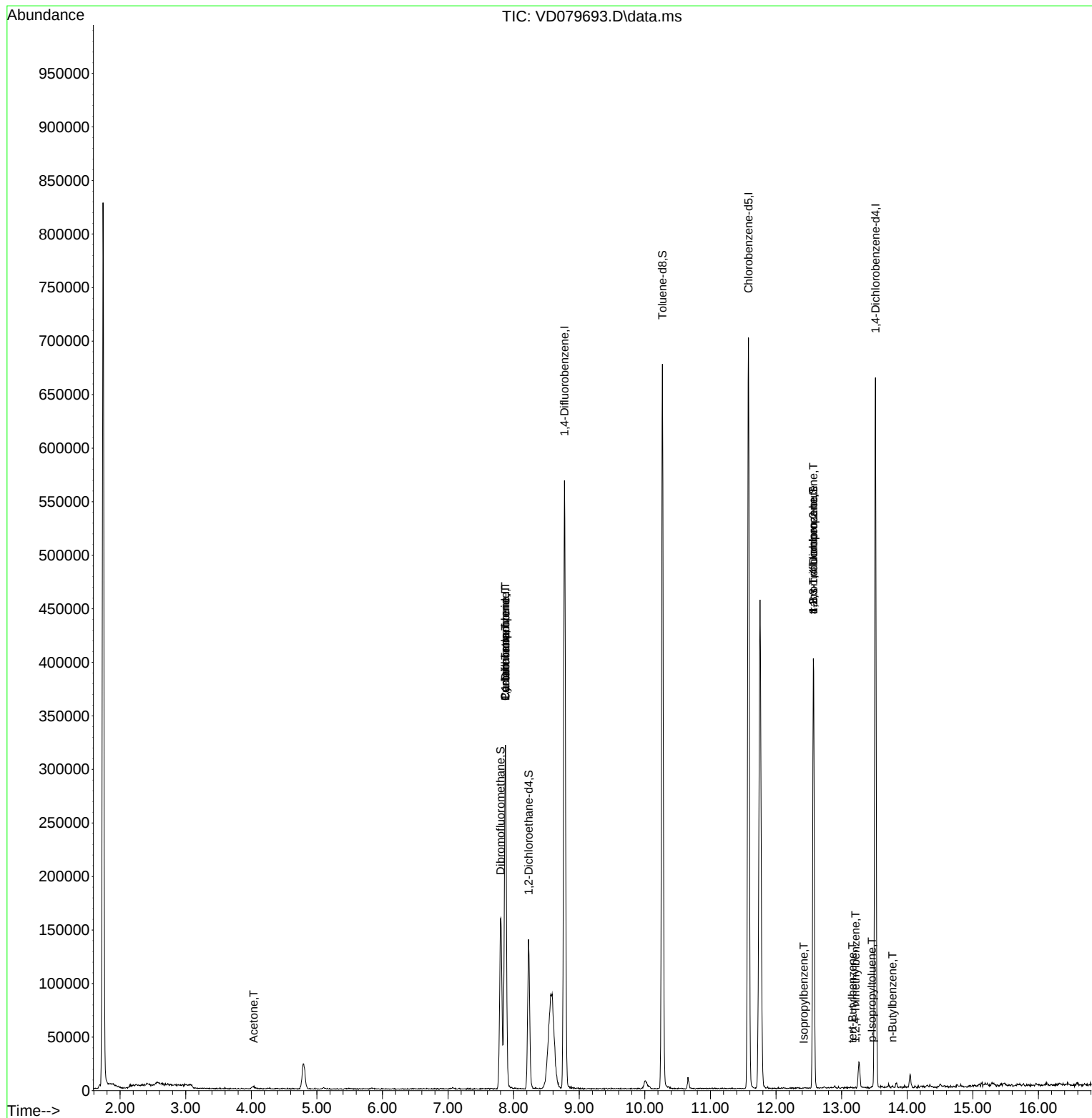
Internal Standards						
1) Pentafluorobenzene	7.875	168	237473	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	510616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	411562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	176939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102485	42.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.960%
35) Dibromofluoromethane	7.799	113	121927	35.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.560%
50) Toluene-d8	10.269	98	476860	35.530	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	71.060%
62) 4-Bromofluorobenzene	12.569	95	122620	31.572	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	214	Below Cal	#	1
16) Acetone	4.034	43	4308	9.188	ug/l	100
20) Methylene Chloride	4.799	84	19056	Below Cal	#	80
31) Cyclohexane	7.875	56	5528	1.380	ug/l #	20
36) 1,1-Dichloropropene	7.875	75	20504	4.347	ug/l #	46
38) Carbon Tetrachloride	7.875	117	24140	4.868	ug/l #	16
73) Isopropylbenzene	12.422	105	363	3.653	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	62737	40.564	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	62737	77.366	ug/l #	19
83) tert-Butylbenzene	13.163	119	83	3.636	ug/l #	1
84) 1,2,4-Trimethylbenzene	13.210	105	298	3.454	ug/l	82
86) p-Isopropyltoluene	13.463	119	126	3.896	ug/l #	51
89) n-Butylbenzene	13.775	91	327	3.809	ug/l #	34

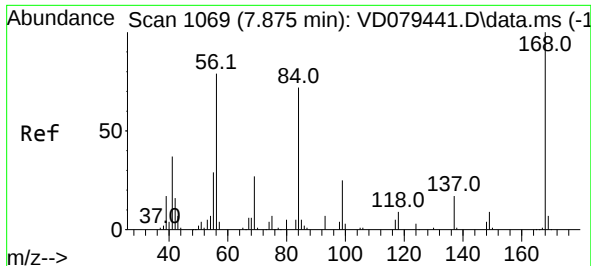
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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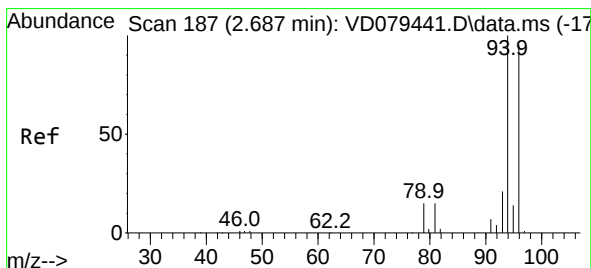
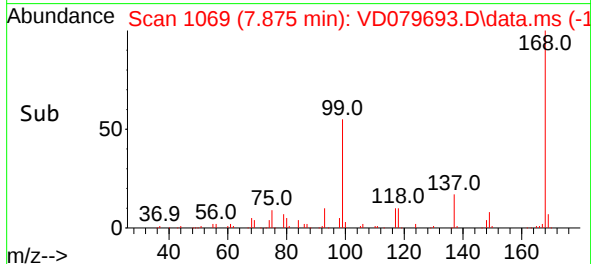
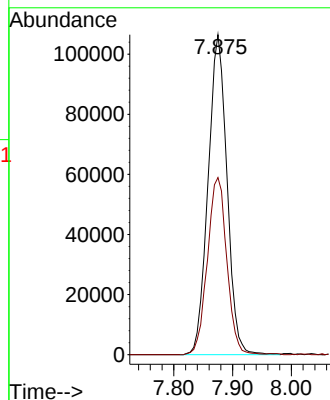
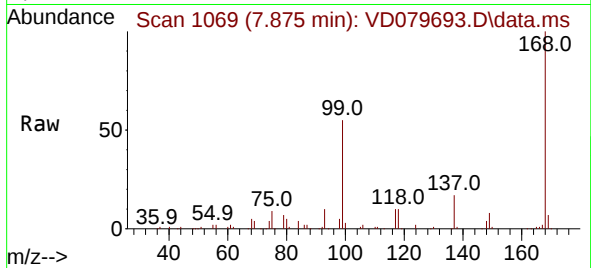




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

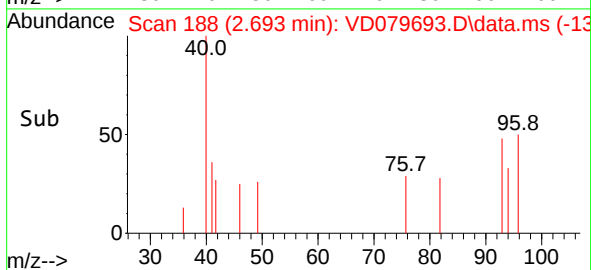
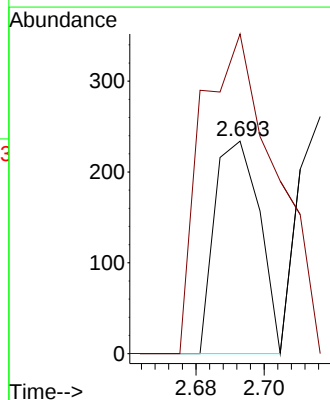
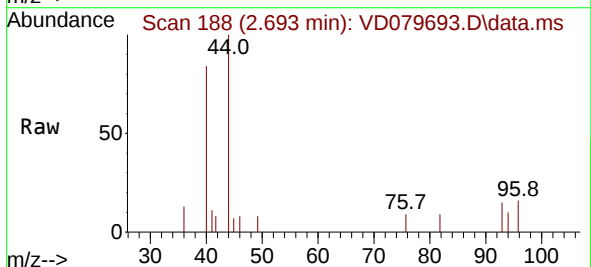
Instrument :
MSVOA_D
ClientSampleId :

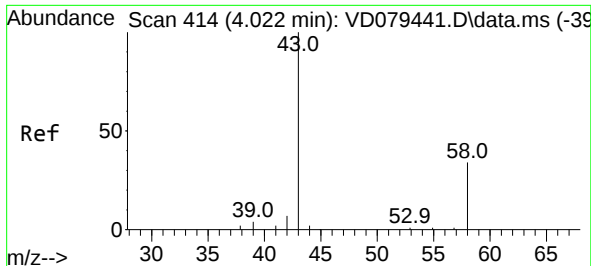
Tgt Ion:168 Resp: 237473
Ion Ratio Lower Upper
168 100
99 55.3 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.693 min Scan# 188
Delta R.T. 0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Tgt Ion: 94 Resp: 214
Ion Ratio Lower Upper
94 100
96 249.5 76.9 115.3#

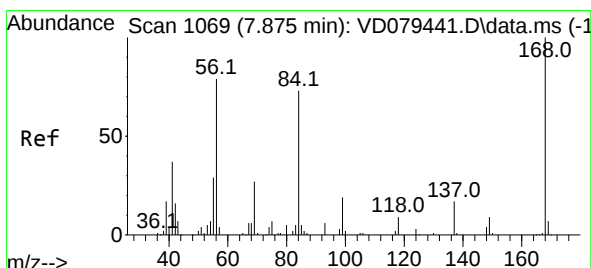
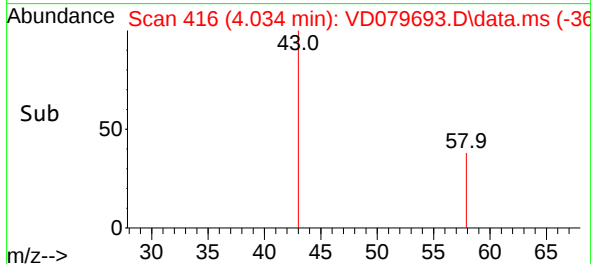
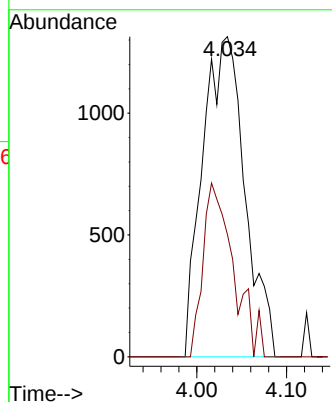
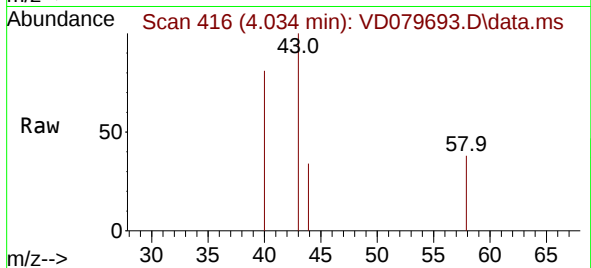




#16
Acetone
Concen: 9.188 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

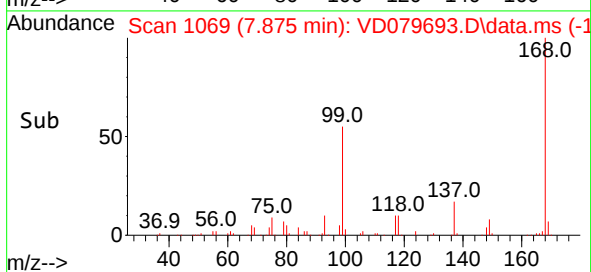
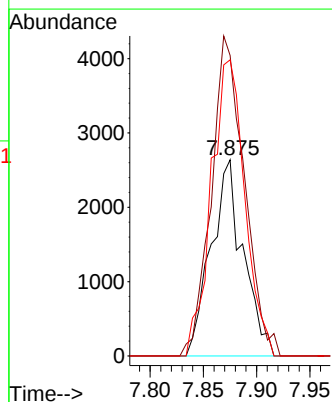
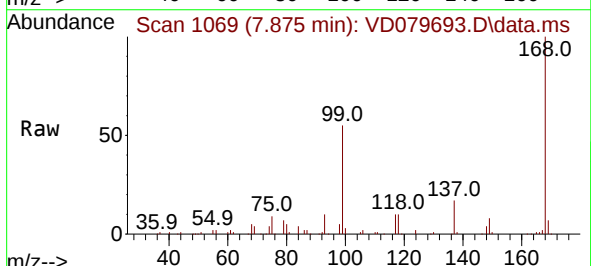
Instrument :
MSVOA_D
ClientSampleId :

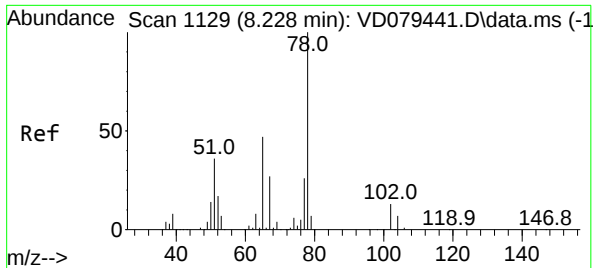
Tgt Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
58 38.3 30.4 45.6



#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Tgt Ion: 56 Resp: 5528
Ion Ratio Lower Upper
56 100
69 153.2 28.0 42.0#
84 151.0 87.4 131.0#





#33

1,2-Dichloroethane-d4

Concen: 42.481 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD079693.D

Acq: 09 Aug 2024 15:12

Instrument :

MSVOA_D

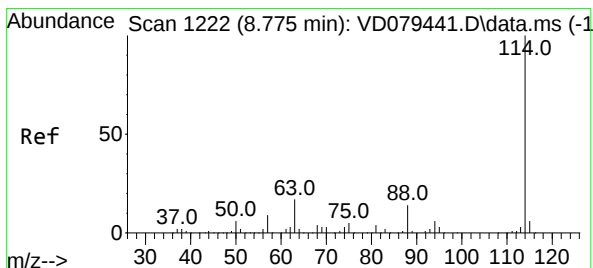
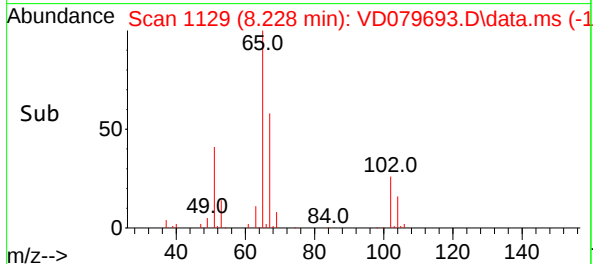
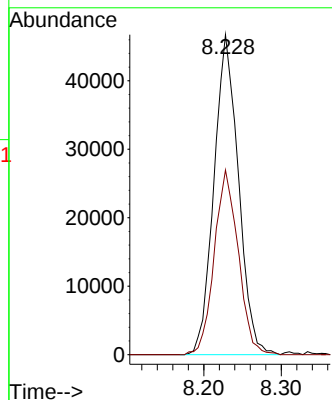
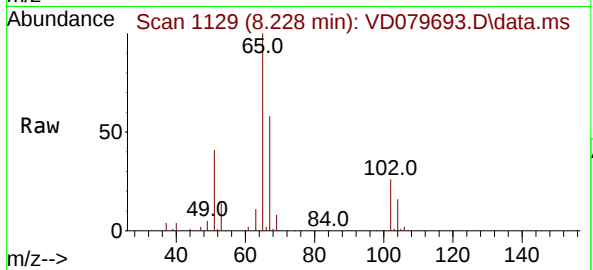
ClientSampleId :

Tgt Ion: 65 Resp: 102485

Ion Ratio Lower Upper

65 100

67 56.6 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: VD079693.D

Acq: 09 Aug 2024 15:12

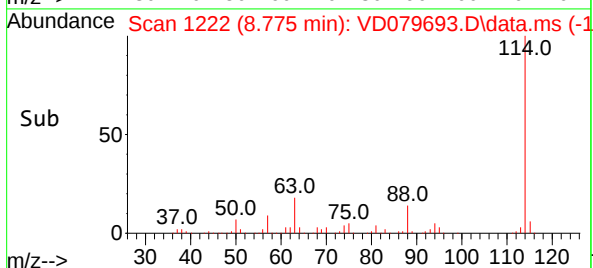
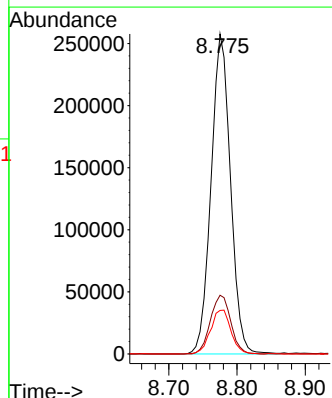
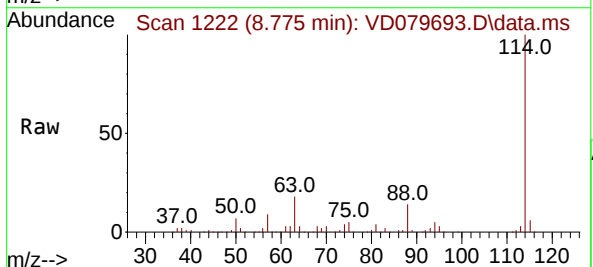
Tgt Ion: 114 Resp: 510616

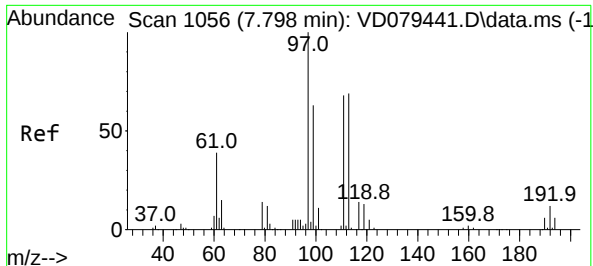
Ion Ratio Lower Upper

114 100

63 18.3 0.0 34.0

88 13.6 0.0 27.2





#35

Dibromofluoromethane

Concen: 35.279 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD079693.D

Acq: 09 Aug 2024 15:12

Instrument :

MSVOA_D

ClientSampleId :

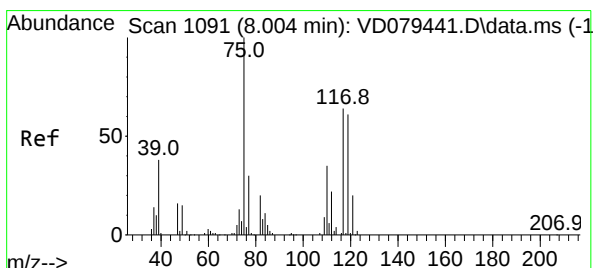
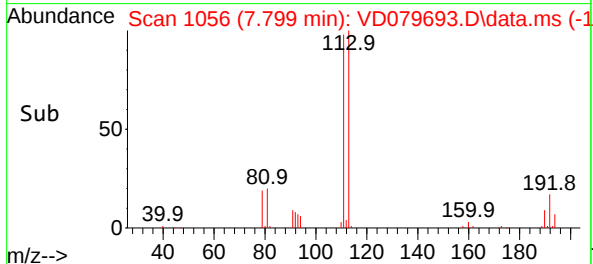
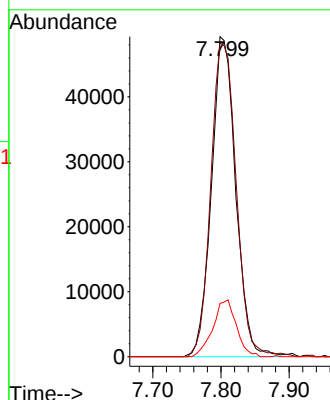
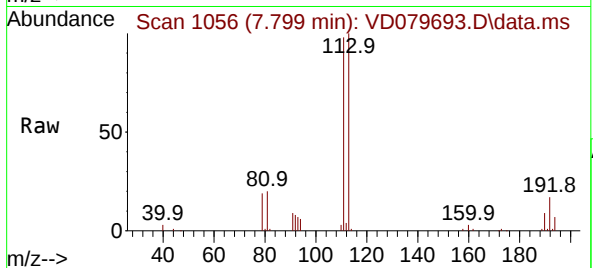
Tgt Ion:113 Resp: 121927

Ion Ratio Lower Upper

113 100

111 102.6 84.0 126.0

192 17.1 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.347 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079693.D

Acq: 09 Aug 2024 15:12

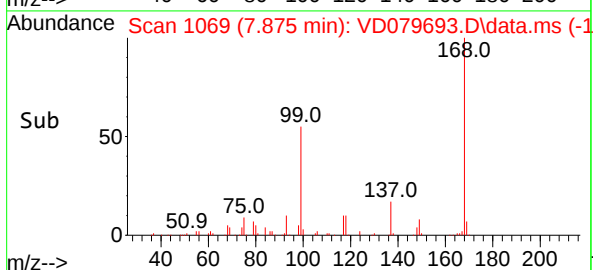
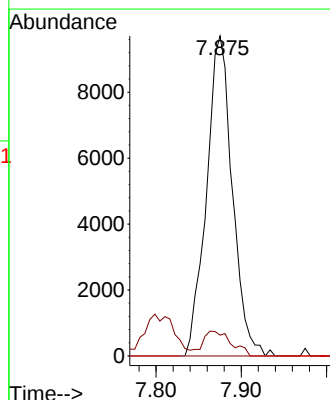
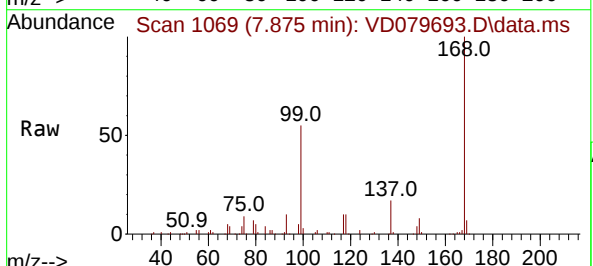
Tgt Ion: 75 Resp: 20504

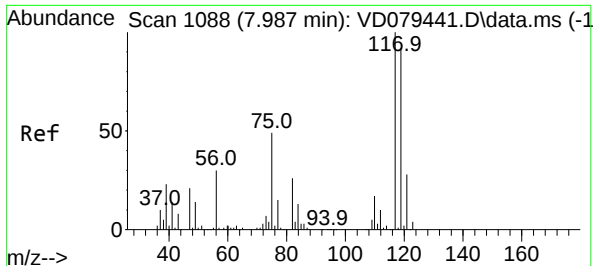
Ion Ratio Lower Upper

75 100

110 8.6 19.6 58.7#

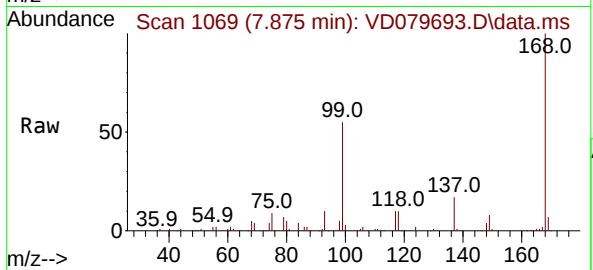
77 0.0 26.1 39.1#



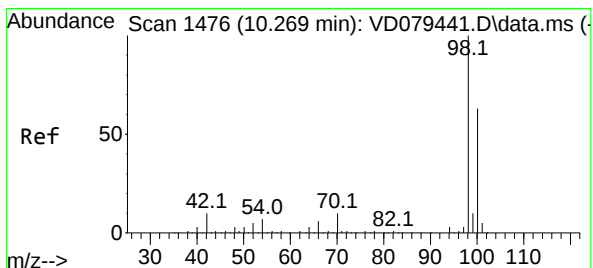
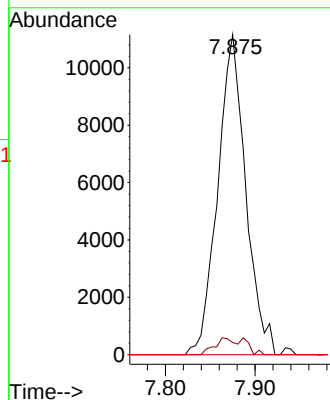
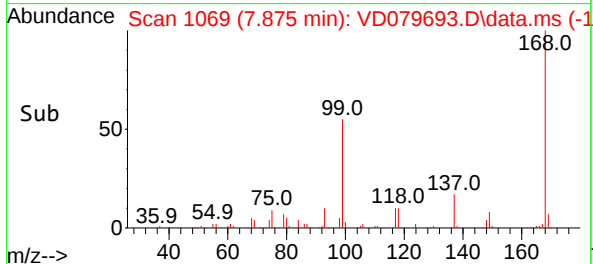


#38
Carbon Tetrachloride
Concen: 4.868 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Instrument :
MSVOA_D
ClientSampleId :

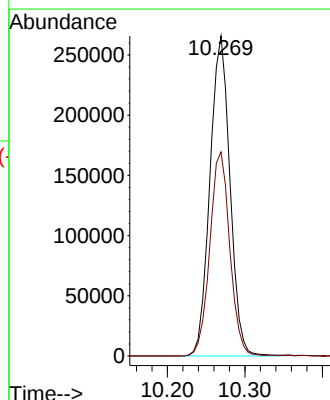
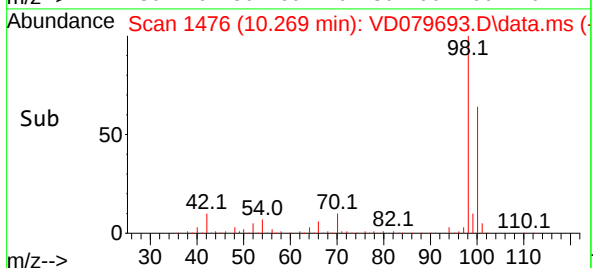
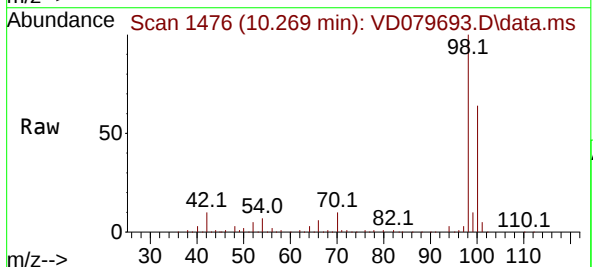


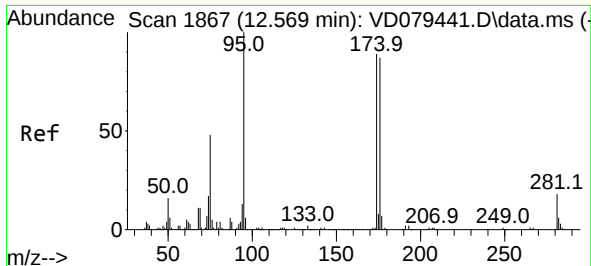
Tgt Ion:117 Resp: 24140
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 35.530 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Tgt Ion: 98 Resp: 476860
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

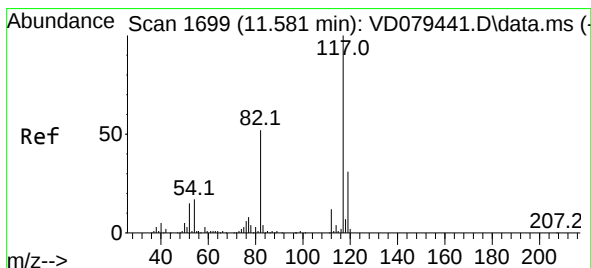
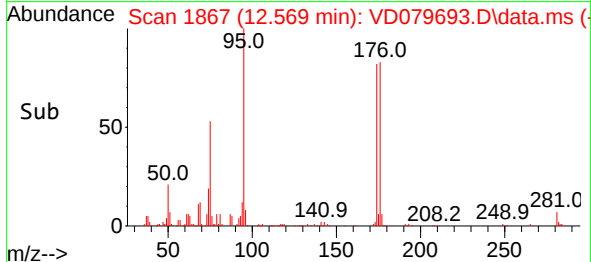
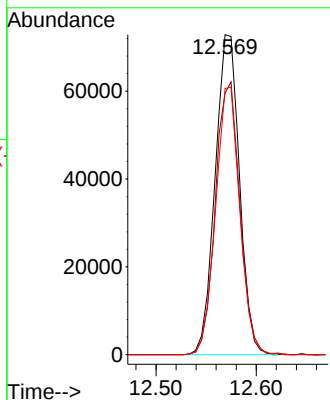
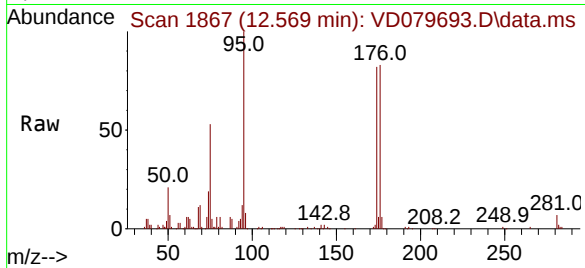




#62
4-Bromofluorobenzene
Concen: 31.572 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

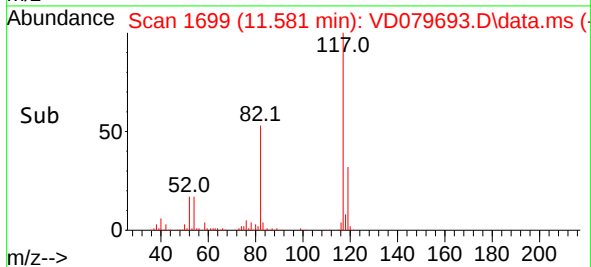
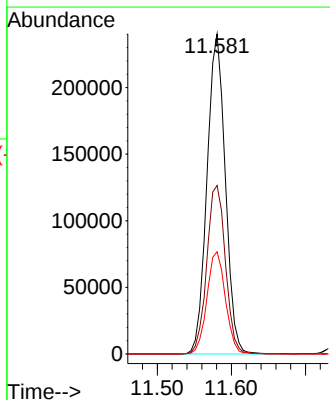
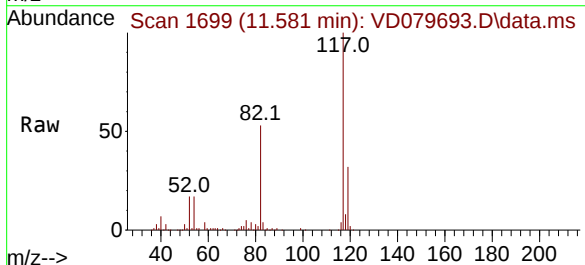
Instrument :
MSVOA_D
ClientSampleId :

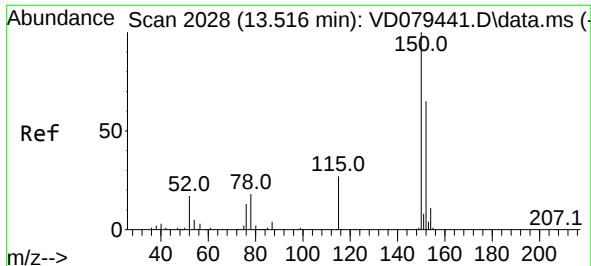
Tgt Ion: 95 Resp: 122620
Ion Ratio Lower Upper
95 100
174 85.9 0.0 195.4
176 83.0 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

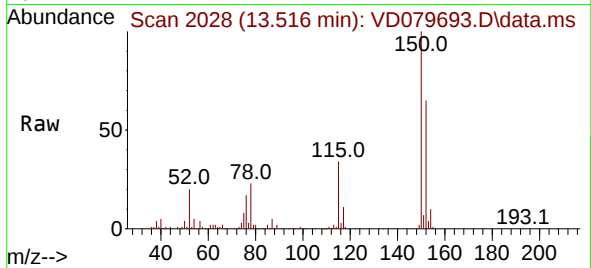
Tgt Ion: 117 Resp: 411562
Ion Ratio Lower Upper
117 100
82 52.6 39.8 59.6
119 31.9 25.7 38.5



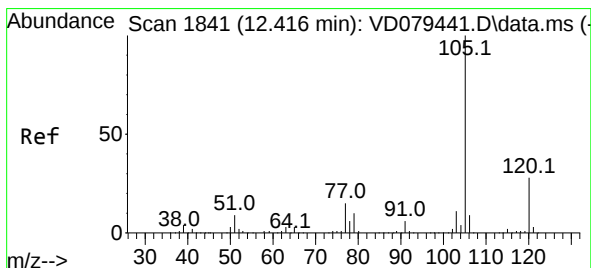
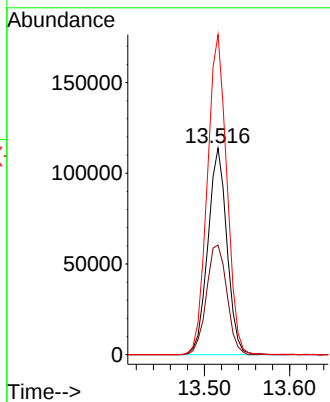
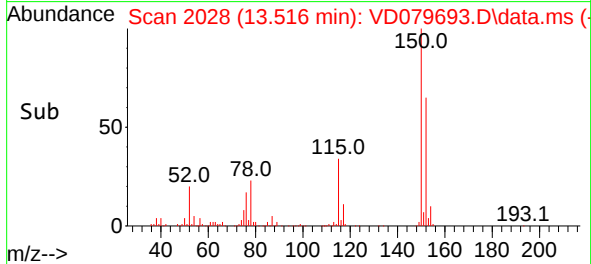


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2028
 Delta R.T. 0.006 min
 Lab File: VD079693.D
 Acq: 09 Aug 2024 15:12

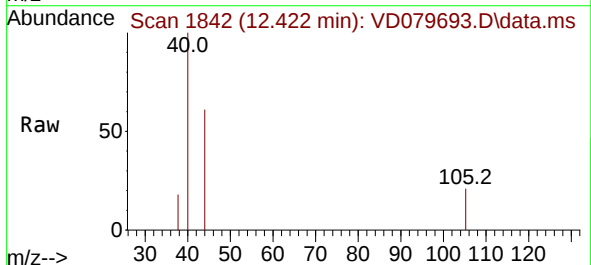
Instrument :
 MSVOA_D
 ClientSampleId :



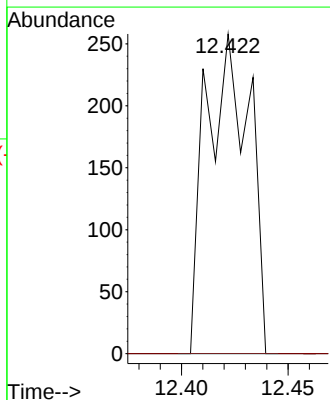
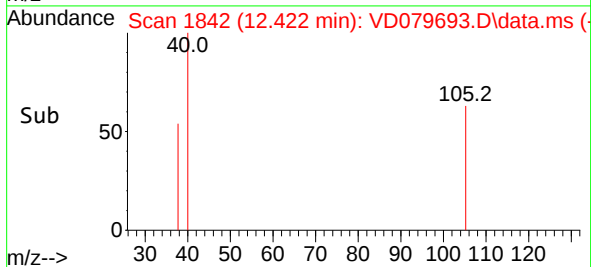
Tgt Ion:152 Resp: 176939
 Ion Ratio Lower Upper
 152 100
 115 57.1 26.5 79.5
 150 158.3 0.0 341.6

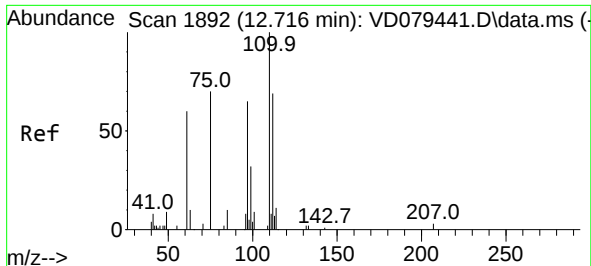


#73
 Isopropylbenzene
 Concen: 3.653 ug/l
 RT: 12.422 min Scan# 1842
 Delta R.T. 0.006 min
 Lab File: VD079693.D
 Acq: 09 Aug 2024 15:12



Tgt Ion:105 Resp: 363
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.6 40.7#

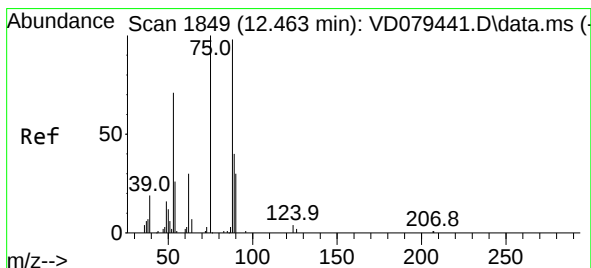
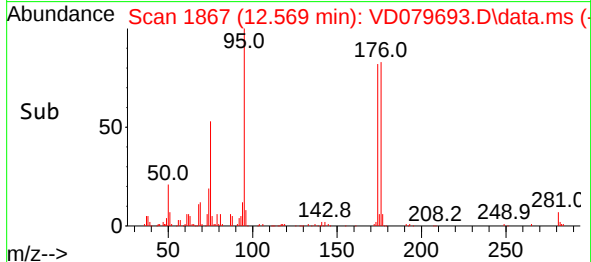
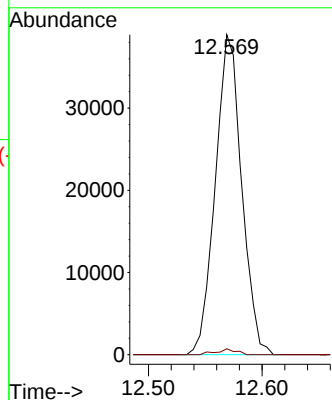
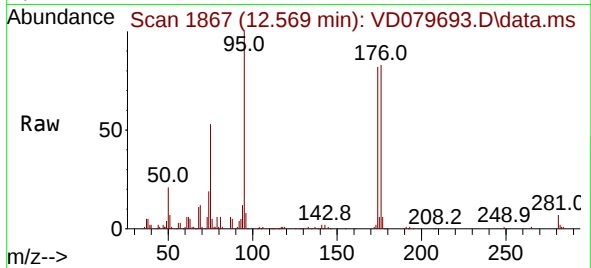




#76
1,2,3-Trichloropropane
Concen: 40.564 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

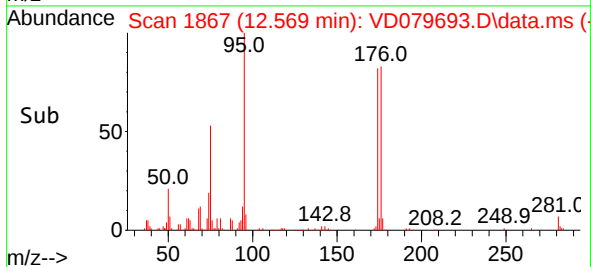
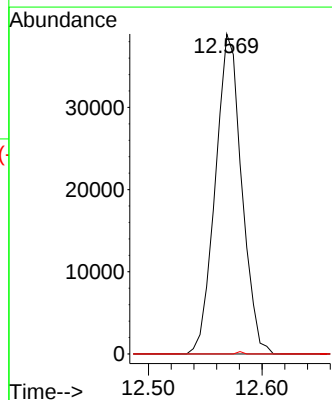
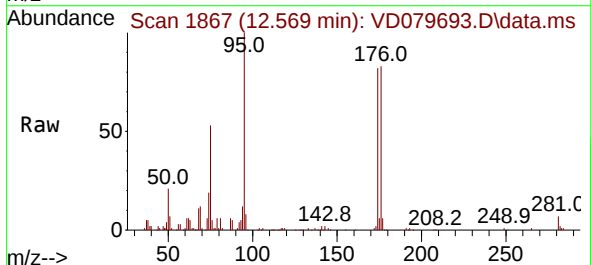
Instrument :
MSVOA_D
ClientSampleId :

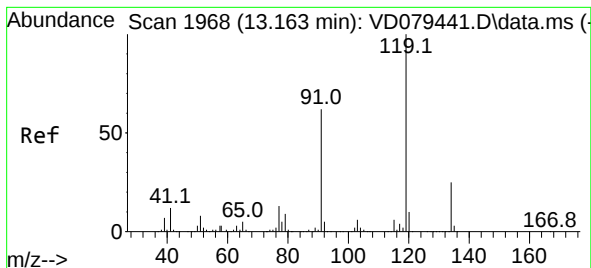
Tgt Ion: 75 Resp: 62737
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.366 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Tgt Ion: 75 Resp: 62737
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.2 35.4 53.0#

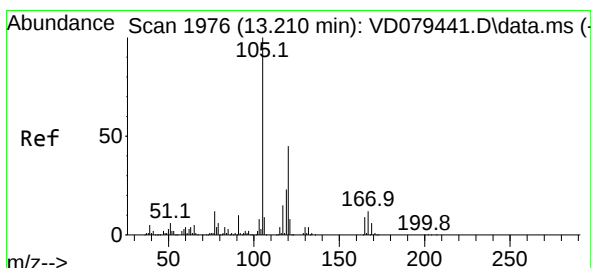
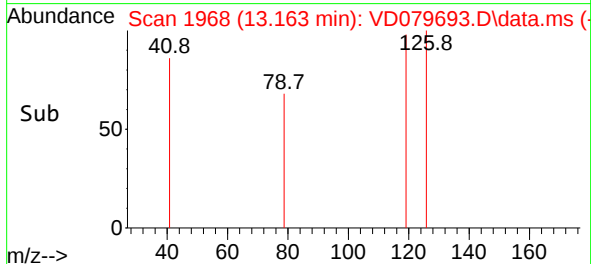
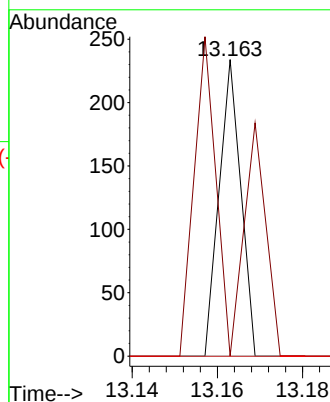
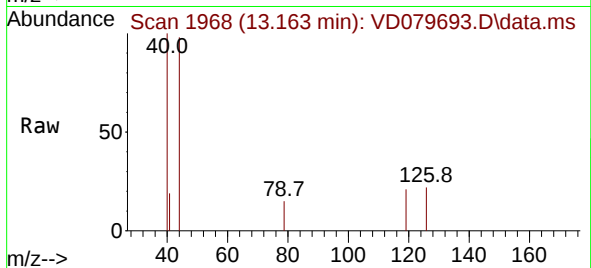




#83
tert-Butylbenzene
Concen: 3.636 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.000 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

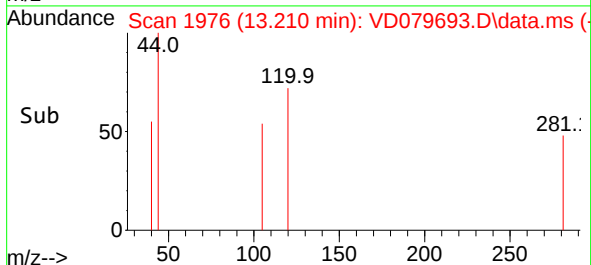
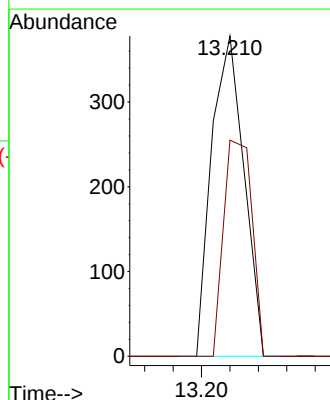
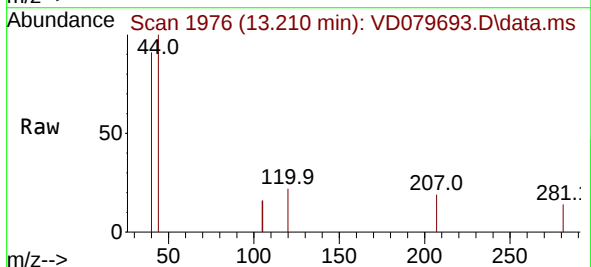
Instrument :
MSVOA_D
ClientSampleId :

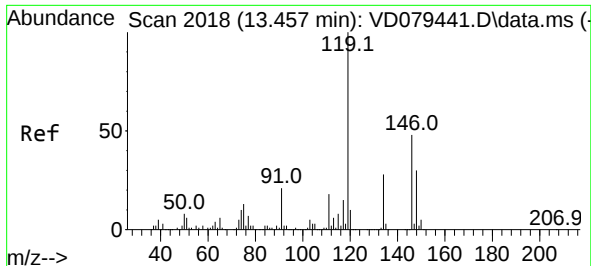
Tgt Ion:119 Resp: 83
Ion Ratio Lower Upper
119 100
91 185.5 28.2 84.7#
134 0.0 13.4 40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.454 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

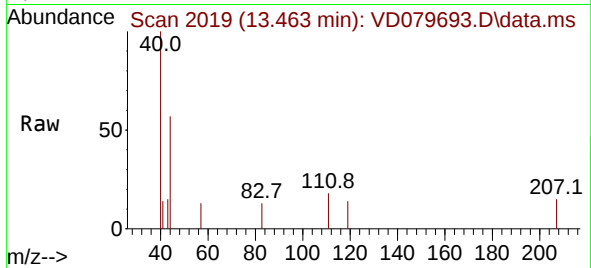
Tgt Ion:105 Resp: 298
Ion Ratio Lower Upper
105 100
120 59.4 23.6 71.0



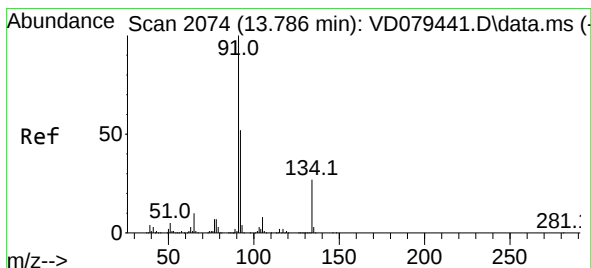
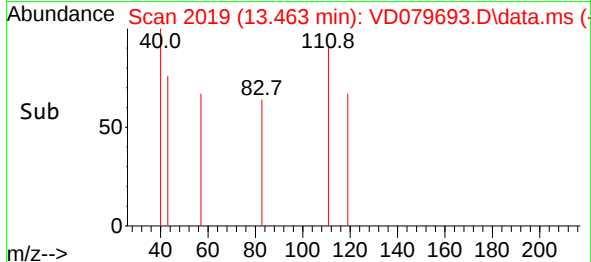
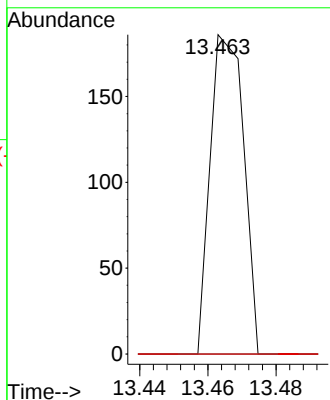


#86
p-Isopropyltoluene
Concen: 3.896 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:119 Resp: 126
Ion Ratio Lower Upper
119 100
134 0.0 13.7 41.1#
91 0.0 10.7 32.1#



#89
n-Butylbenzene
Concen: 3.809 ug/l
RT: 13.775 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VD079693.D
Acq: 09 Aug 2024 15:12

Tgt Ion: 91 Resp: 327
Ion Ratio Lower Upper
91 100
92 0.0 25.7 77.0#
134 0.0 13.6 40.8#

