

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080824\
 Data File : VD079673.D
 Acq On : 08 Aug 2024 18:03
 Operator : RP/MD
 Sample : P3464-01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 09 01:10:42 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)

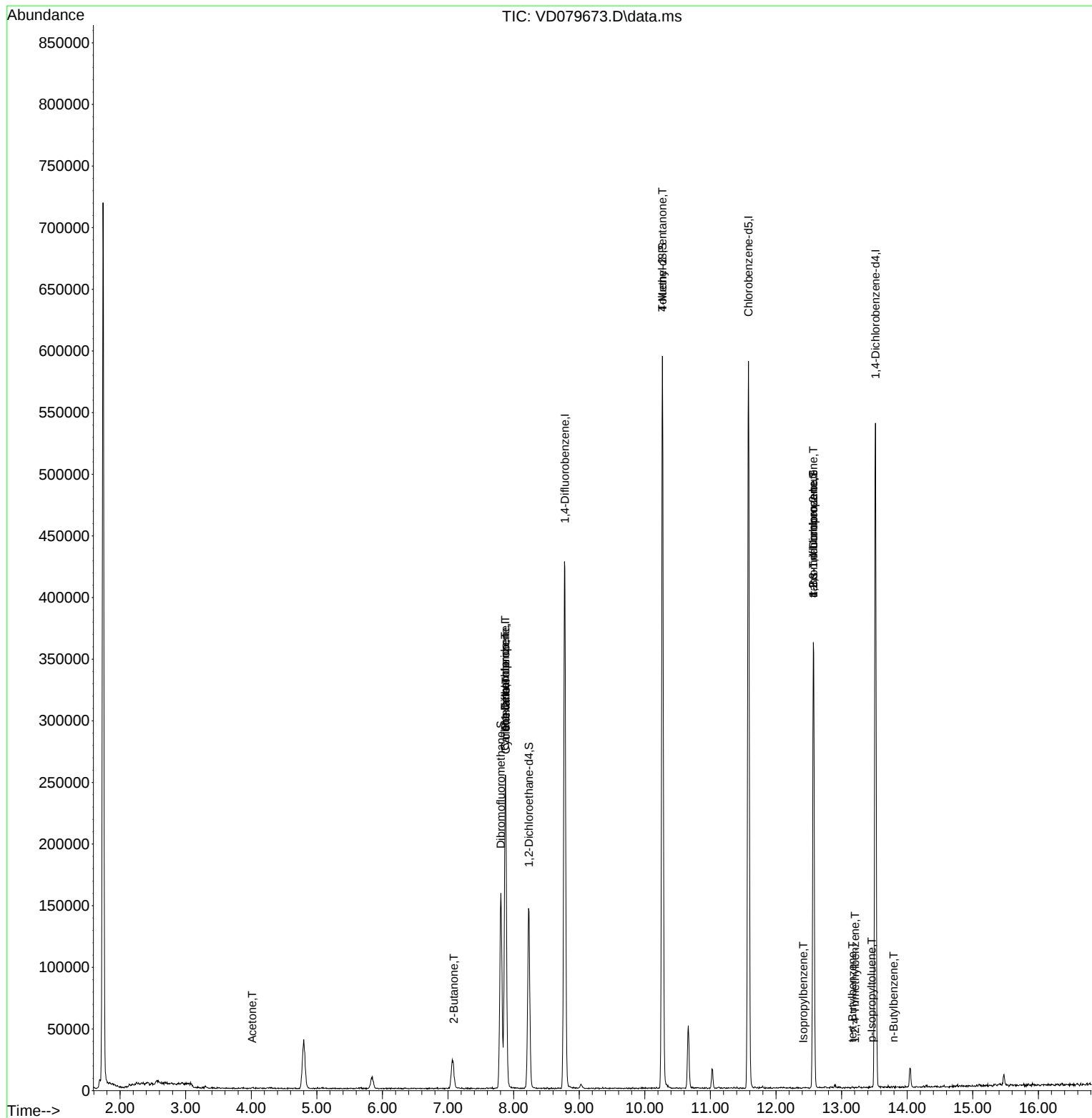
Internal Standards						
1) Pentafluorobenzene	7.875	168	196174	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	388896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	350823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	146781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	112647	56.523	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.040%
35) Dibromofluoromethane	7.805	113	116122	44.115	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.240%
50) Toluene-d8	10.269	98	415186	40.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.240%
62) 4-Bromofluorobenzene	12.569	95	111350	37.643	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.280%
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	647	Below Cal	#	60
11) Tert butyl alcohol	5.052	59	53	Below Cal	#	86
16) Acetone	4.016	43	528	1.363	ug/l #	79
20) Methylene Chloride	4.799	84	29217	Below Cal	#	85
25) 2-Butanone	7.087	43	655	1.193	ug/l #	42
31) Cyclohexane	7.881	56	4377	1.322	ug/l #	18
36) 1,1-Dichloropropene	7.875	75	15838	4.408	ug/l #	45
38) Carbon Tetrachloride	7.869	117	20092	5.320	ug/l #	16
51) 4-Methyl-2-Pentanone	10.269	43	1846	1.306	ug/l #	1
73) Isopropylbenzene	12.416	105	334	3.656	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	56266	43.855	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	56266	83.643	ug/l #	19
83) tert-Butylbenzene	13.163	119	334	3.667	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.204	105	536	3.483	ug/l #	29
86) p-Isopropyltoluene	13.457	119	138	3.899	ug/l #	51
89) n-Butylbenzene	13.792	91	530	3.834	ug/l #	47

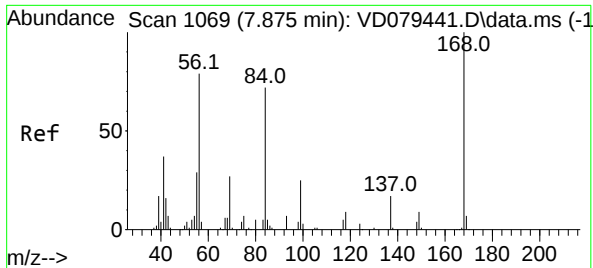
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

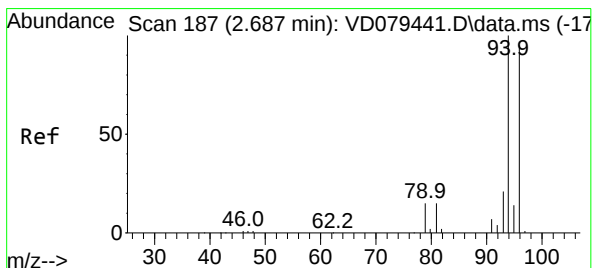
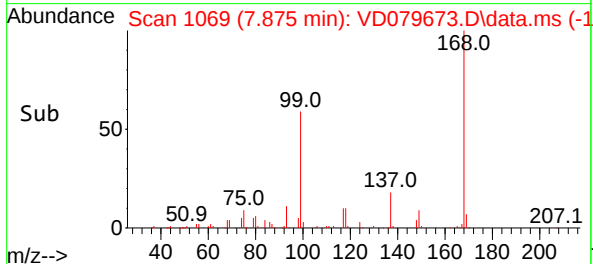
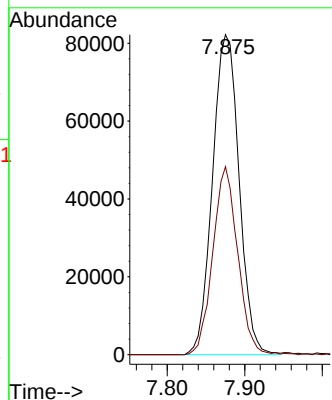
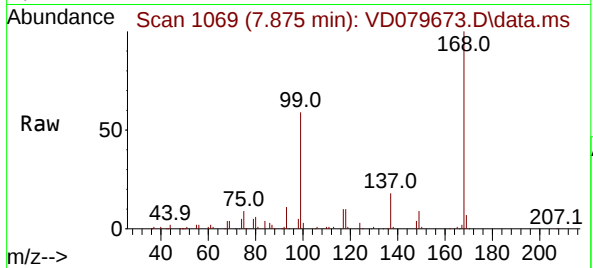




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

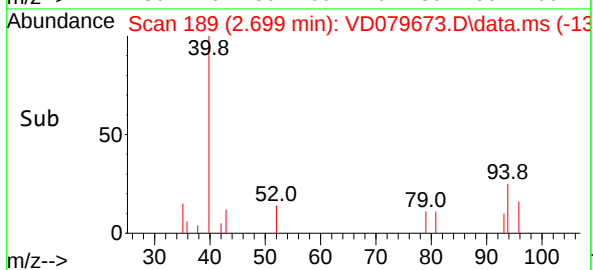
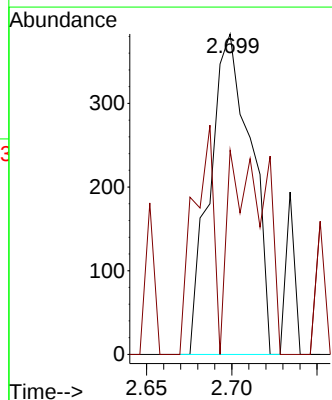
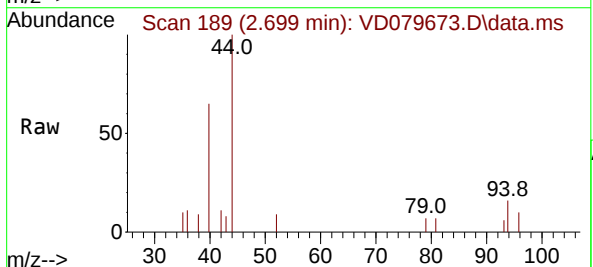
Instrument :
MSVOA_D
ClientSampleId :

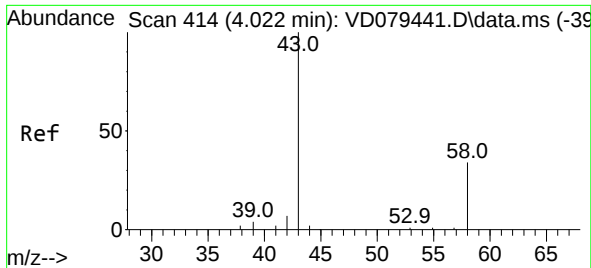
Tgt Ion:168 Resp: 196174
Ion Ratio Lower Upper
168 100
99 58.7 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion: 94 Resp: 647
Ion Ratio Lower Upper
94 100
96 56.6 76.9 115.3#

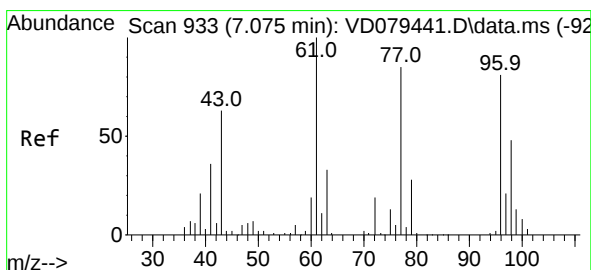
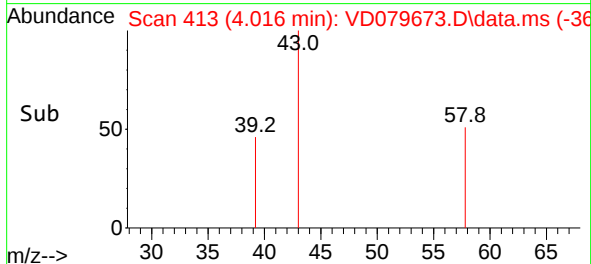
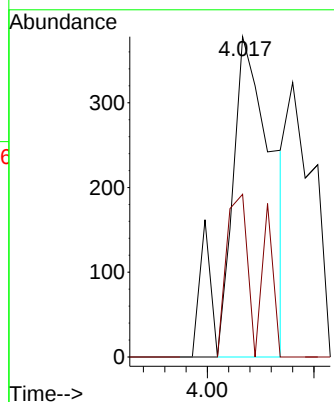
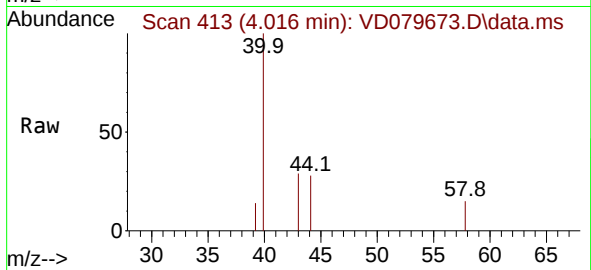




#16
Acetone
Concen: 1.363 ug/l
RT: 4.016 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

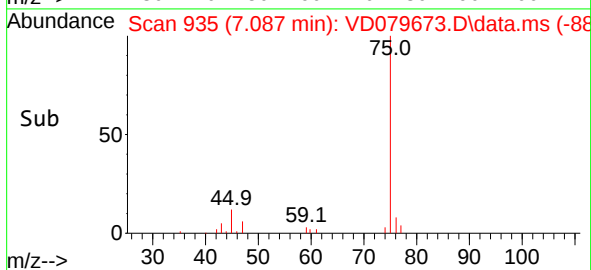
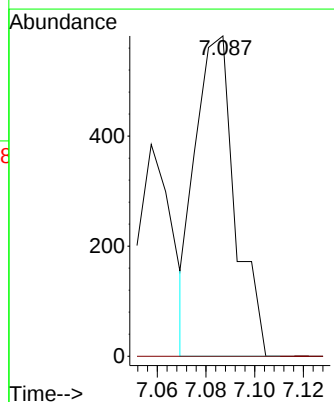
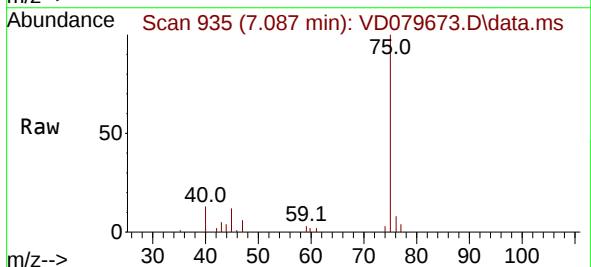
Instrument :
MSVOA_D
ClientSampleId :

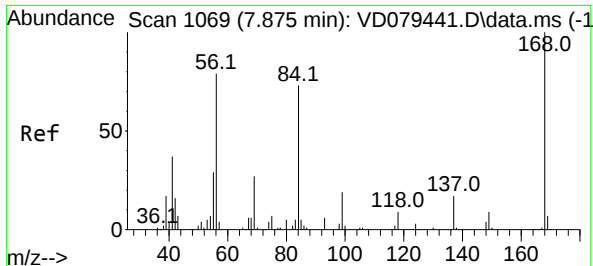
Tgt Ion: 43 Resp: 528
Ion Ratio Lower Upper
43 100
58 50.8 30.4 45.6#



#25
2-Butanone
Concen: 1.193 ug/l
RT: 7.087 min Scan# 935
Delta R.T. -0.006 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

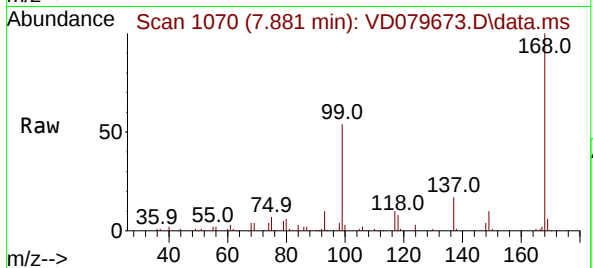
Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



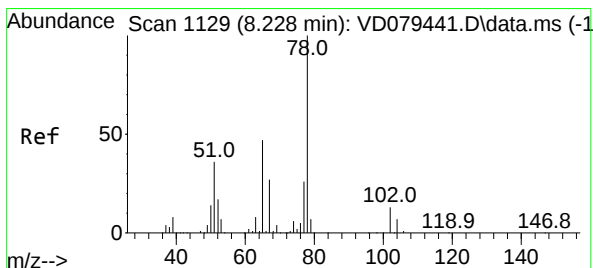
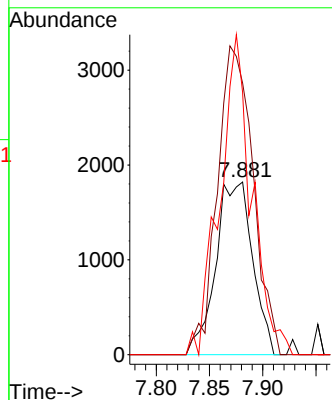
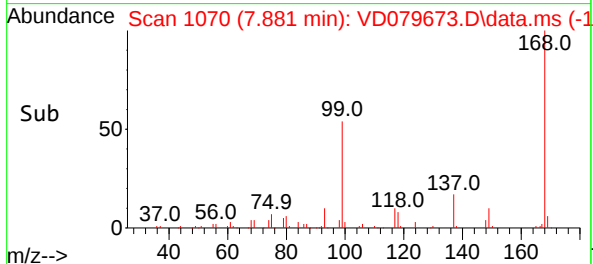


#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.881 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Instrument :
MSVOA_D
ClientSampleId :

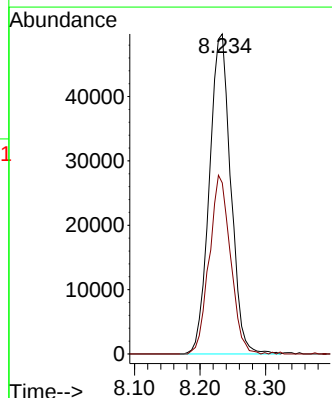
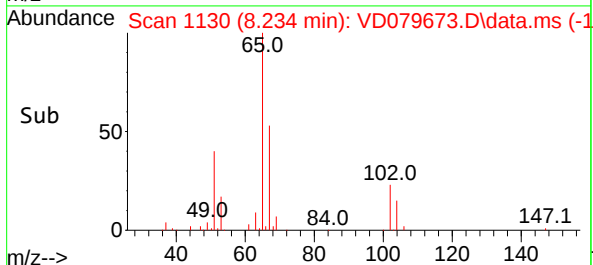
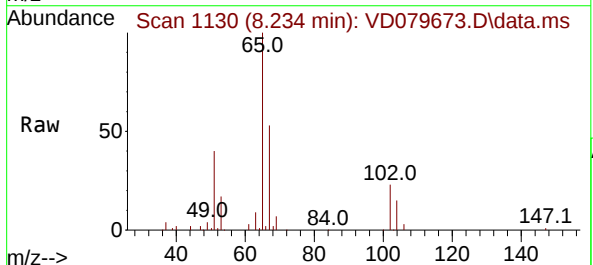


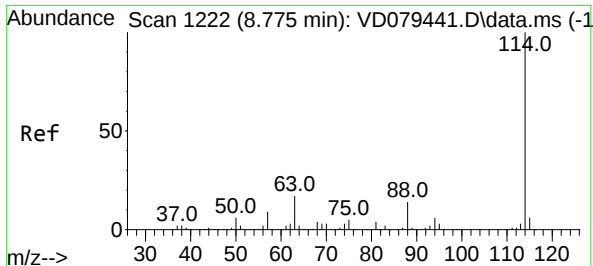
Tgt Ion: 56 Resp: 4377
Ion Ratio Lower Upper
56 100
69 157.3 28.0 42.0#
84 151.8 87.4 131.0#



#33
1,2-Dichloroethane-d4
Concen: 56.523 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion: 65 Resp: 112647
Ion Ratio Lower Upper
65 100
67 55.4 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: VD079673.D

Acq: 08 Aug 2024 18:03

Instrument :

MSVOA_D

ClientSampleId :

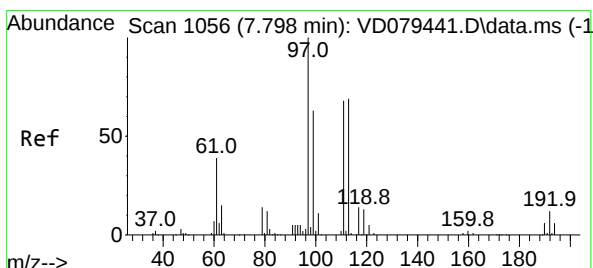
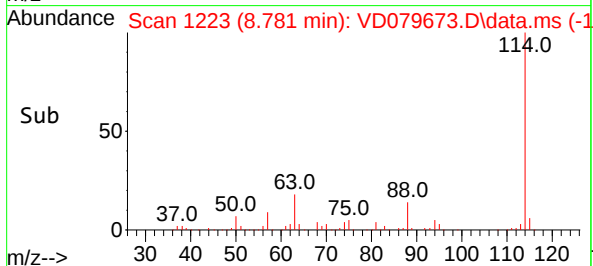
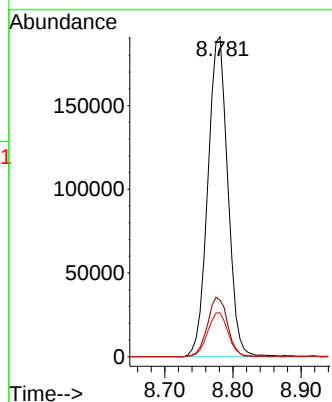
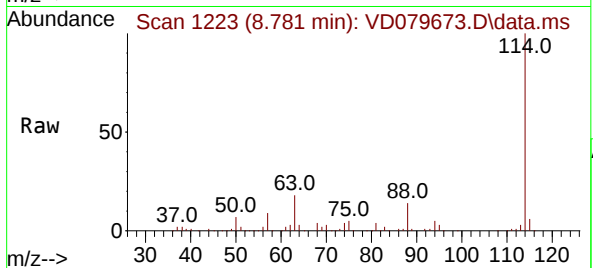
Tgt Ion:114 Resp: 388896

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 13.7 0.0 27.2



#35

Dibromofluoromethane

Concen: 44.115 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079673.D

Acq: 08 Aug 2024 18:03

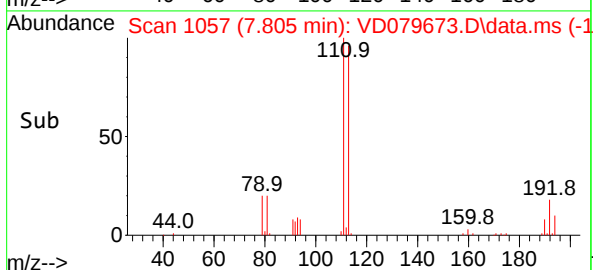
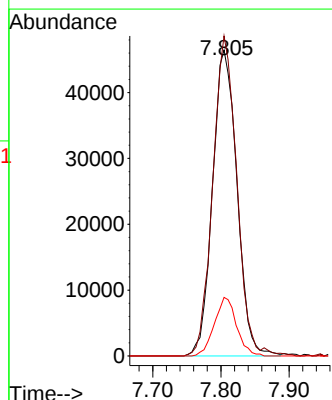
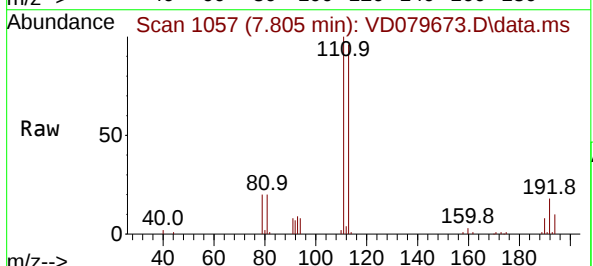
Tgt Ion:113 Resp: 116122

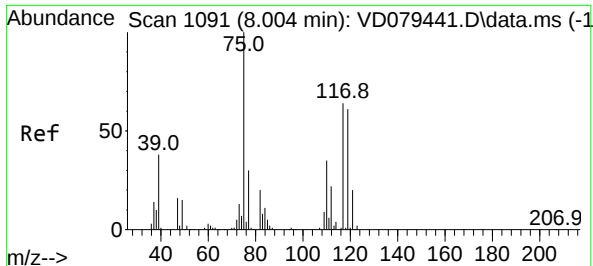
Ion Ratio Lower Upper

113 100

111 102.6 84.0 126.0

192 17.4 15.4 23.0





#36

1,1-Dichloropropene

Concen: 4.408 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

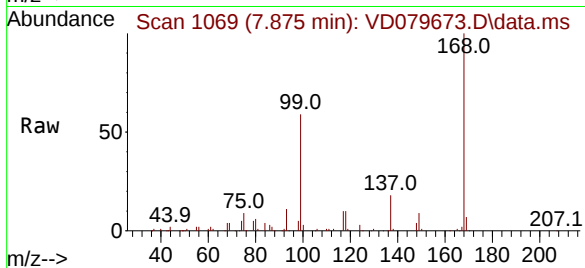
Lab File: VD079673.D

Acq: 08 Aug 2024 18:03

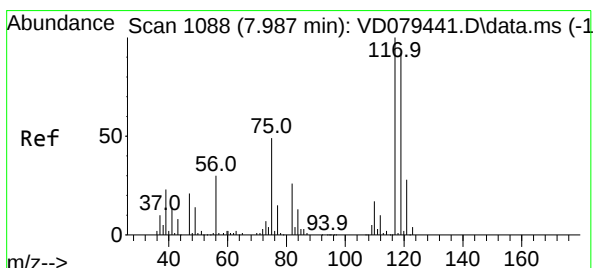
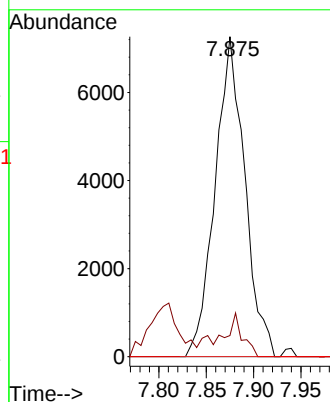
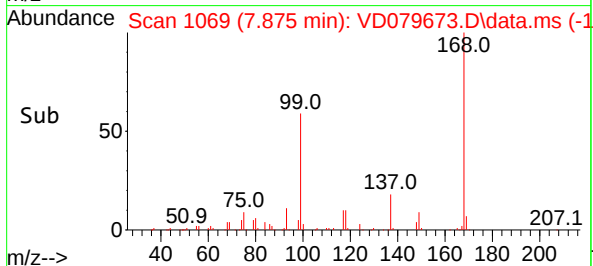
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	15838
Ion Ratio	Lower	Upper	
75	100		
110	7.6	19.6	58.7#
77	0.0	26.1	39.1#



#38

Carbon Tetrachloride

Concen: 5.320 ug/l

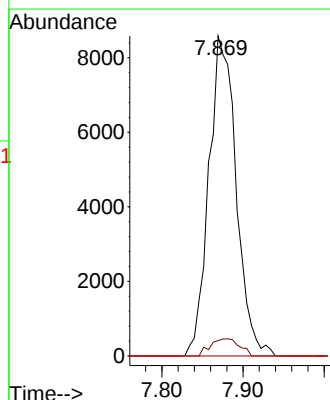
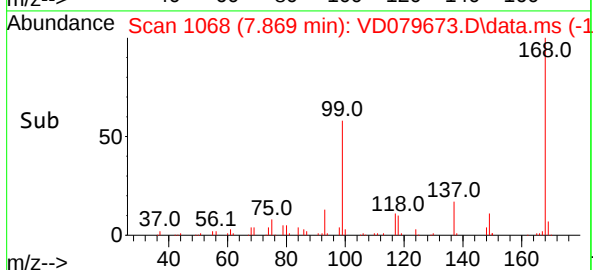
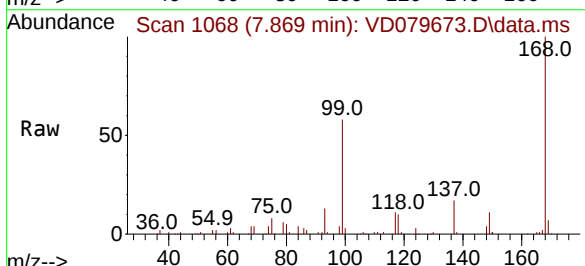
RT: 7.869 min Scan# 1068

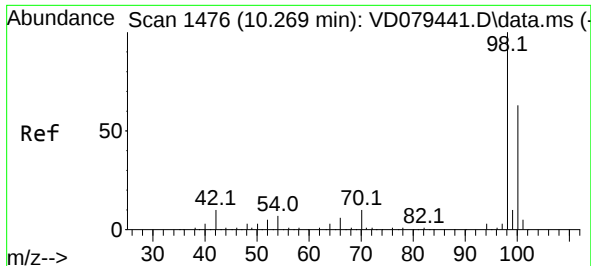
Delta R.T. -0.118 min

Lab File: VD079673.D

Acq: 08 Aug 2024 18:03

Tgt Ion:	117	Resp:	20092
Ion Ratio	Lower	Upper	
117	100		
119	4.8	75.4	113.0#
121	0.0	25.0	37.4#

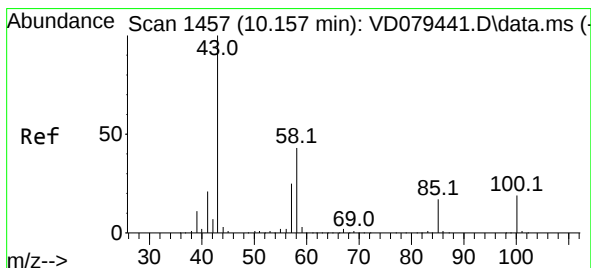
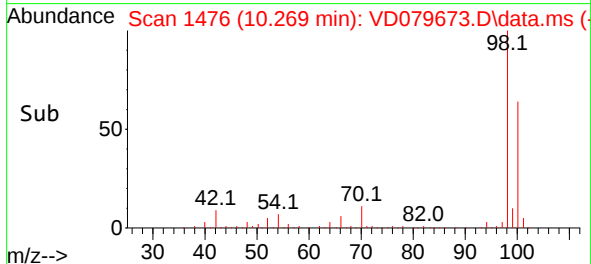
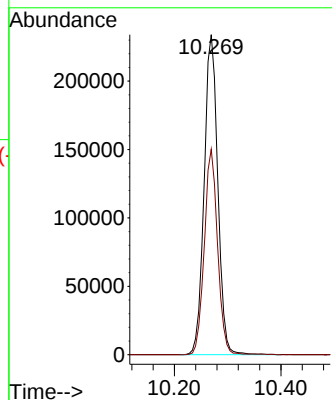
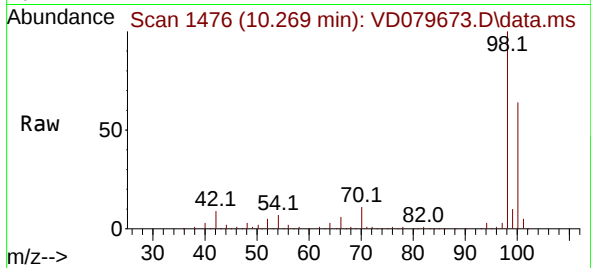




#50
Toluene-d8
Concen: 40.617 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

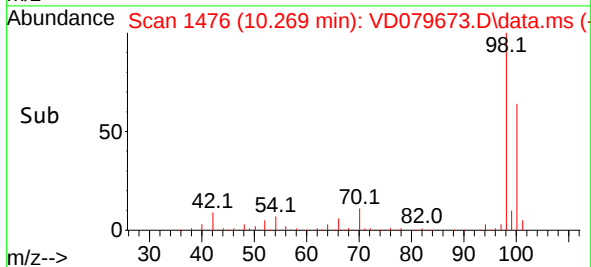
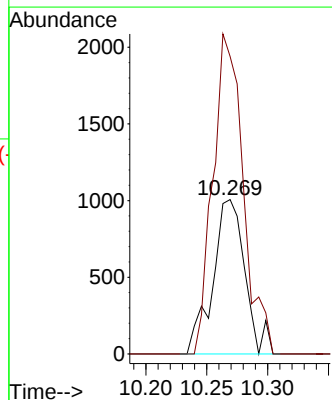
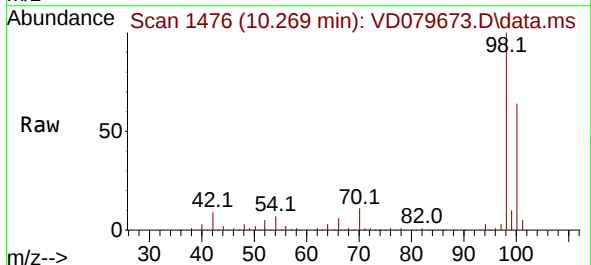
Instrument :
MSVOA_D
ClientSampleId :

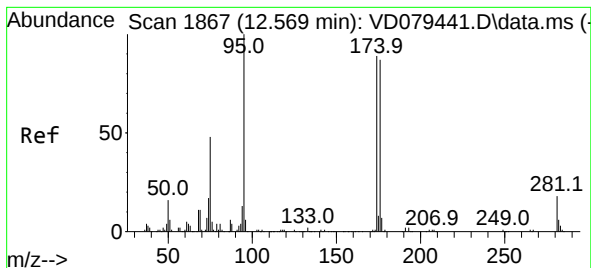
Tgt Ion: 98 Resp: 415186
Ion Ratio Lower Upper
98 100
100 62.5 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.306 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion: 43 Resp: 1846
Ion Ratio Lower Upper
43 100
58 195.4 36.6 55.0#

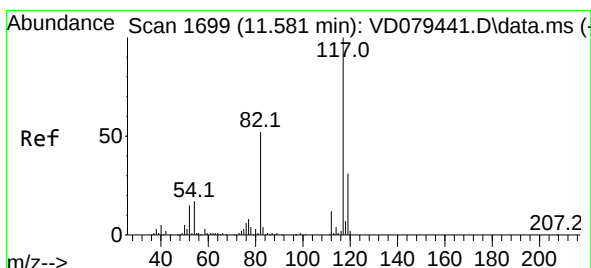
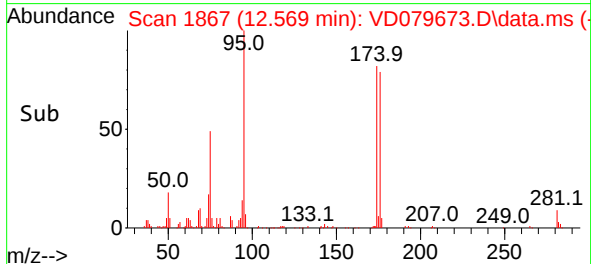
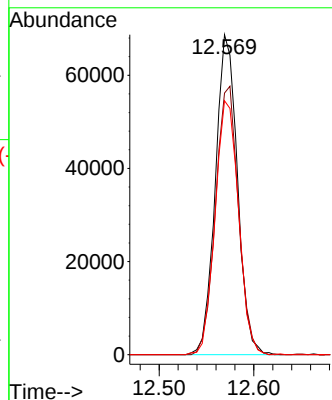
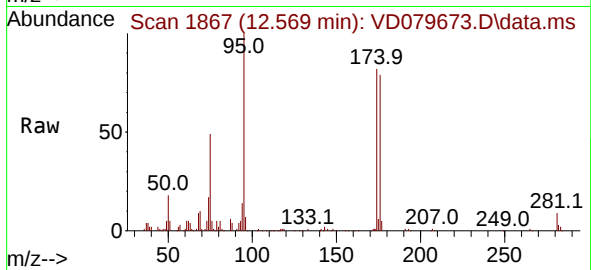




#62
4-Bromofluorobenzene
Concen: 37.643 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

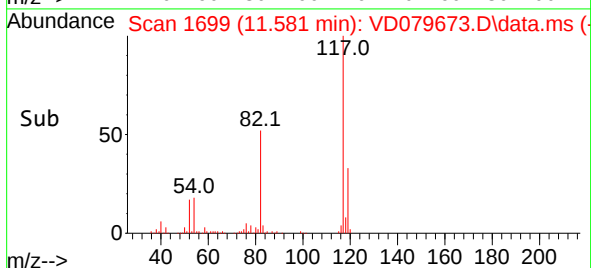
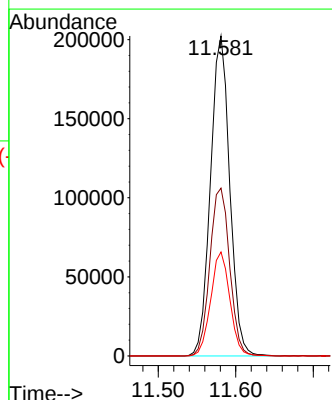
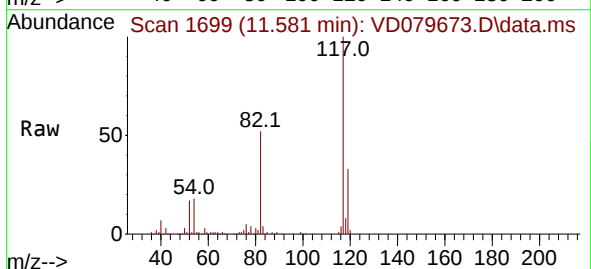
Instrument :
MSVOA_D
ClientSampleId :

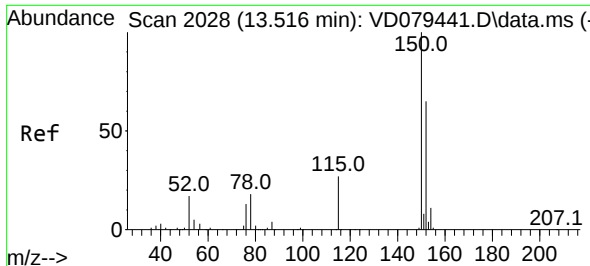
Tgt Ion: 95 Resp: 111350
Ion Ratio Lower Upper
95 100
174 87.2 0.0 195.4
176 84.1 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion: 117 Resp: 350823
Ion Ratio Lower Upper
117 100
82 52.5 39.8 59.6
119 32.5 25.7 38.5

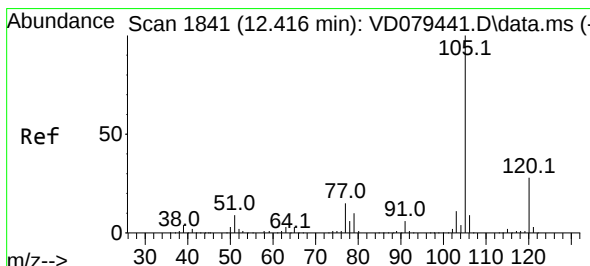
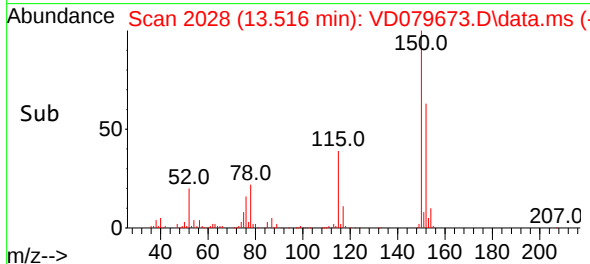
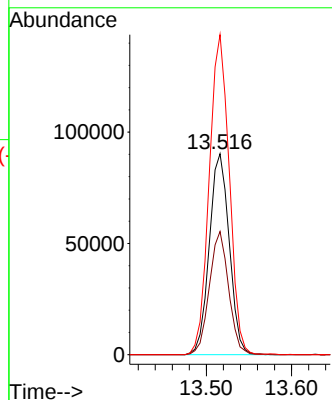
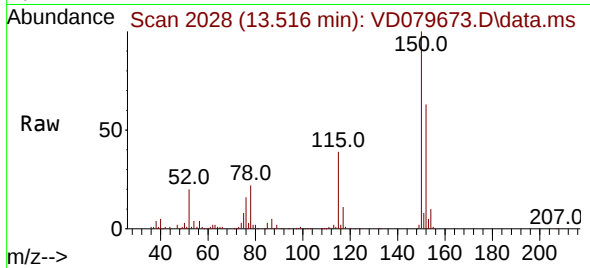




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.006 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

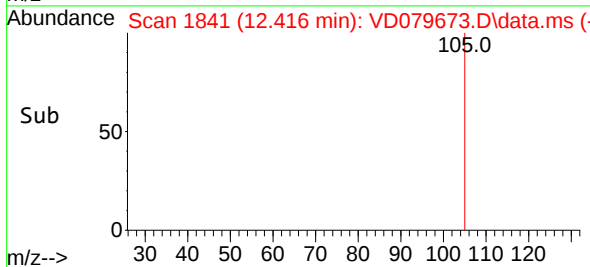
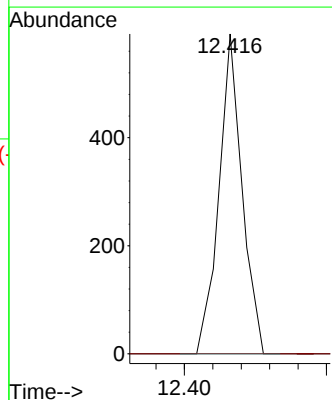
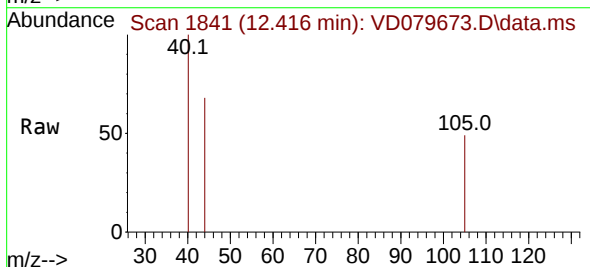
Instrument :
MSVOA_D
ClientSampleId :

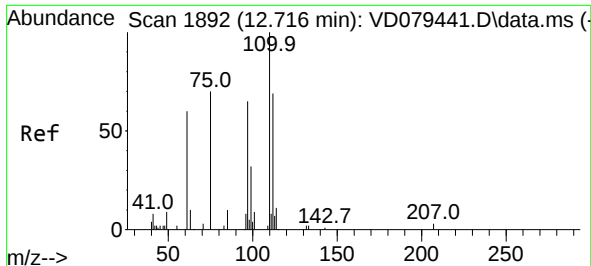
Tgt Ion:152 Resp: 146781
Ion Ratio Lower Upper
152 100
115 59.4 26.5 79.5
150 159.5 0.0 341.6



#73
Isopropylbenzene
Concen: 3.656 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. 0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion:105 Resp: 334
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.7#

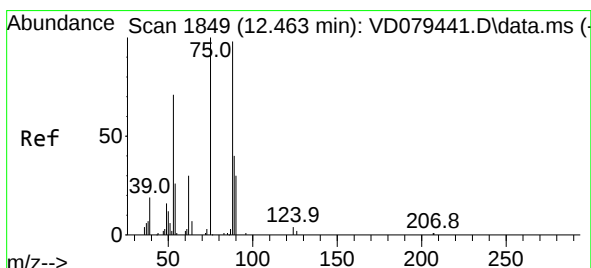
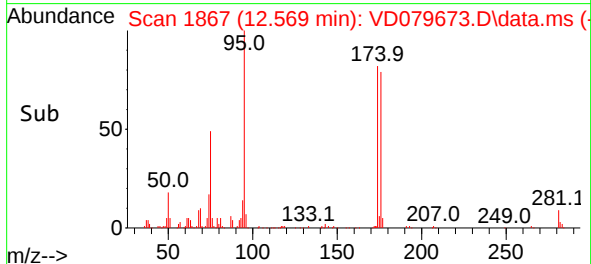
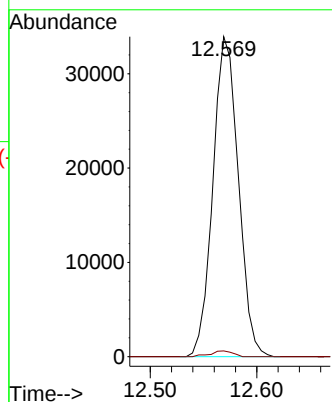
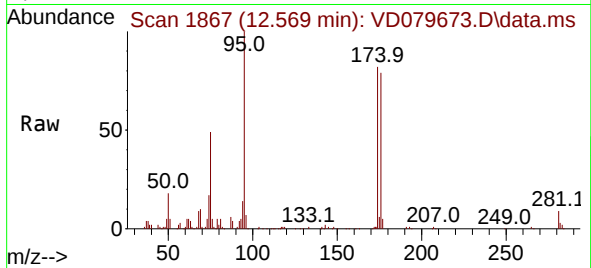




#76
1,2,3-Trichloropropane
Concen: 43.855 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

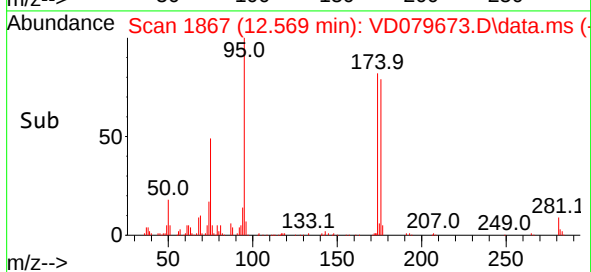
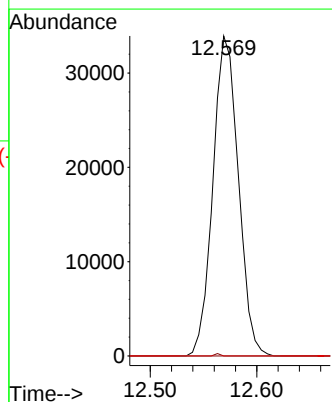
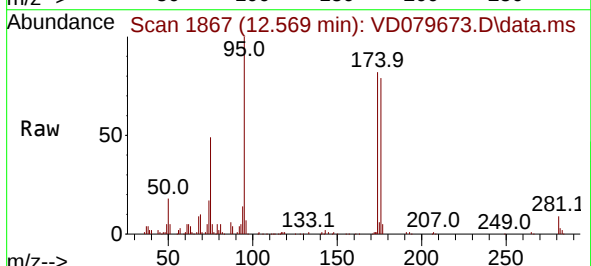
Instrument :
MSVOA_D
ClientSampleId :

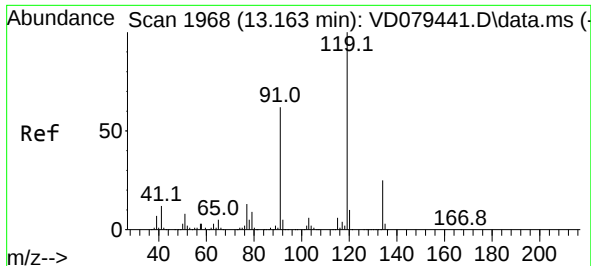
Tgt Ion: 75 Resp: 56266
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.643 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

Tgt Ion: 75 Resp: 56266
Ion Ratio Lower Upper
75 100
53 0.2 61.4 92.2#
89 0.0 35.4 53.0#

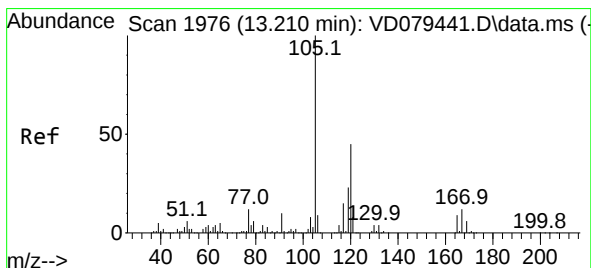
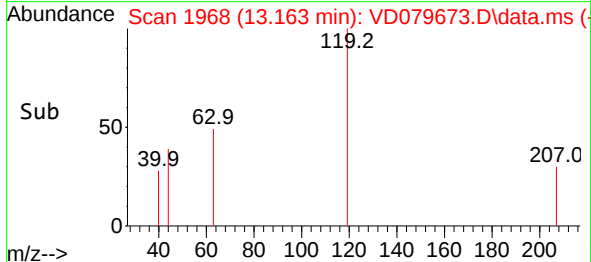
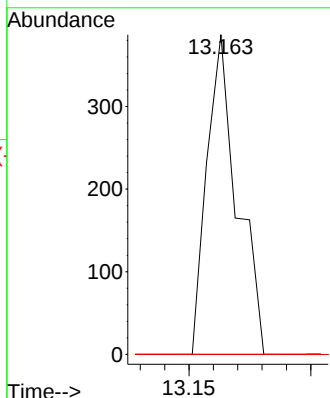
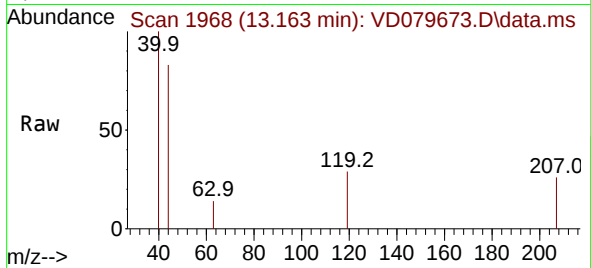




#83
tert-Butylbenzene
Concen: 3.667 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

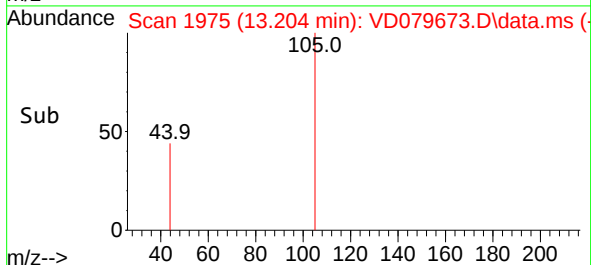
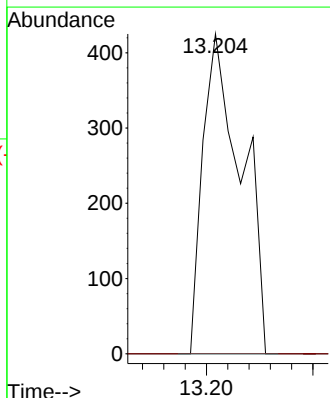
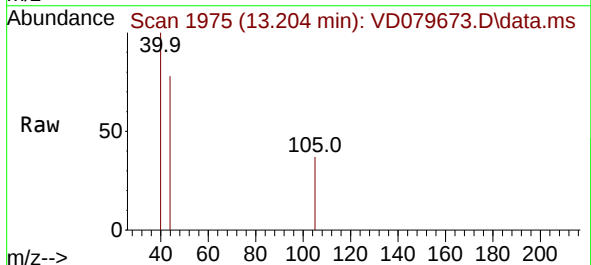
Instrument :
MSVOA_D
ClientSampleId :

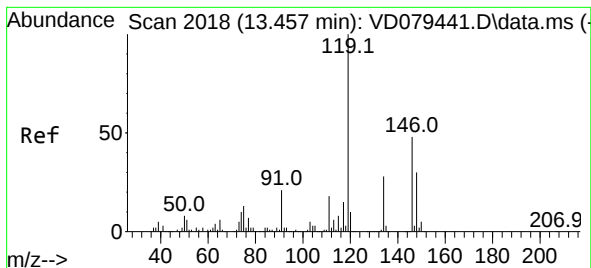
Tgt Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84
1,2,4-Trimethylbenzene
Concen: 3.483 ug/l
RT: 13.204 min Scan# 1975
Delta R.T. 0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

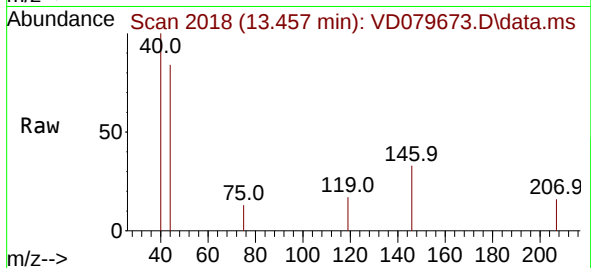
Tgt Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.6	71.0#



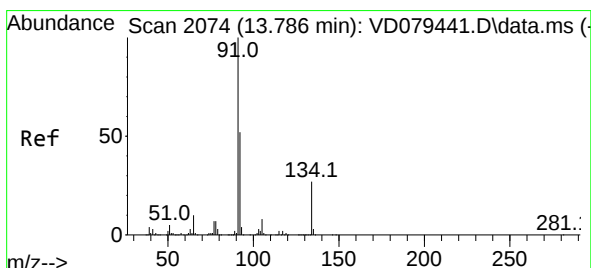
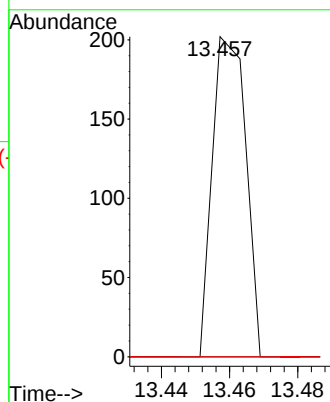
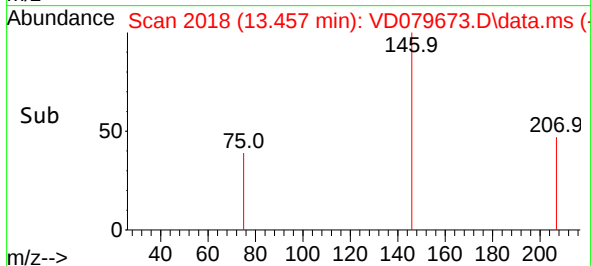


#86
p-Isopropyltoluene
Concen: 3.899 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03

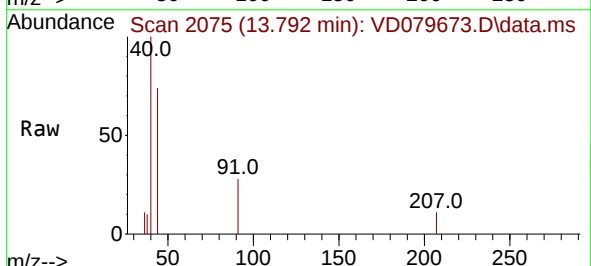
Instrument :
MSVOA_D
ClientSampleId :



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



#89
n-Butylbenzene
Concen: 3.834 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. 0.011 min
Lab File: VD079673.D
Acq: 08 Aug 2024 18:03



Tgt Ion	Ratio	Lower	Upper
91	100		
92	14.2	25.7	77.0#
134	0.0	13.6	40.8#

