

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061223\
 Data File : VD076394.D
 Acq On : 12 Jun 2023 15:18
 Operator : KP/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Jun 13 02:06:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061223S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 13 02:01:34 2023
 Response via : Initial Calibration

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

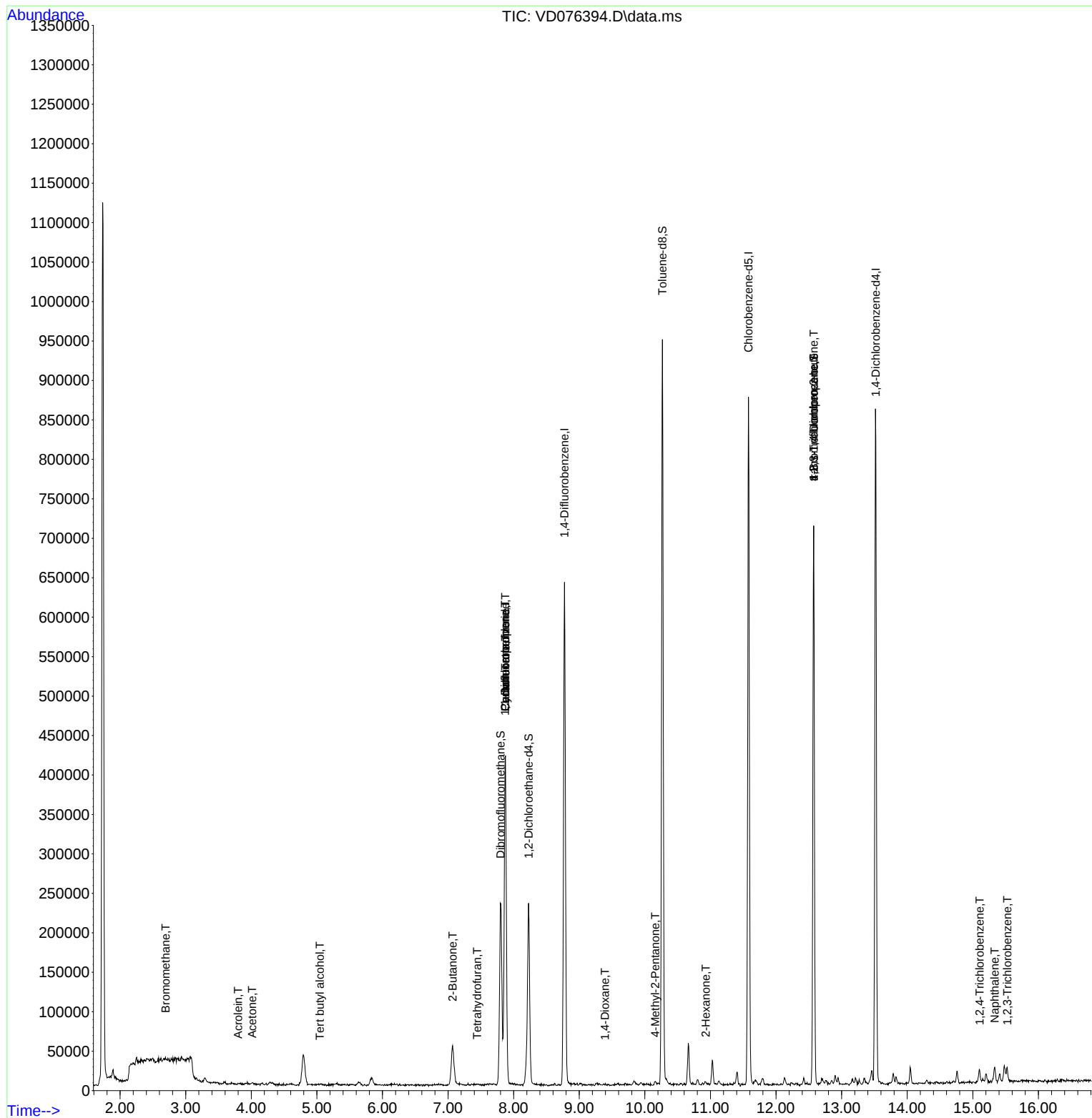
Internal Standards						
1) Pentafluorobenzene	7.875	168	330069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	552156	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	486603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	226699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	171618	45.016	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.040%		
35) Dibromofluoromethane	7.799	113	170584	47.801	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.600%		
50) Toluene-d8	10.269	98	637101	47.110	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	94.220%		
62) 4-Bromofluorobenzene	12.575	95	215570	46.465	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	92.920%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.693	94	2907	1.039	ug/l #	67
11) Tert butyl alcohol	5.046	59	849	2.664	ug/l #	45
13) Acrolein	3.799	56	561	1.535	ug/l #	61
16) Acetone	4.016	43	2741	3.271	ug/l #	53
25) 2-Butanone	7.069	43	4693	3.580	ug/l	87
28) Bromochloromethane	7.428	49	85	Below Cal	#	44
29) Tetrahydrofuran	7.446	42	1408	1.684	ug/l #	36
31) Cyclohexane	7.875	56	8420	1.380	ug/l #	41
36) 1,1-Dichloropropene	7.869	75	26483	5.084	ug/l #	47
38) Carbon Tetrachloride	7.875	117	31767	6.569	ug/l #	15
49) 1,4-Dioxane	9.393	88	55	2.087	ug/l #	32
51) 4-Methyl-2-Pentanone	10.157	43	2952	1.035	ug/l	91
59) 2-Hexanone	10.928	43	3475	1.738	ug/l	77
76) 1,2,3-Trichloropropane	12.575	75	115261	54.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	115261	97.372	ug/l #	17
93) 1,2,4-Trichlorobenzene	15.104	180	5698	1.237	ug/l	92
95) Naphthalene	15.334	128	16621	1.796	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.528	180	6004	1.509	ug/l	96

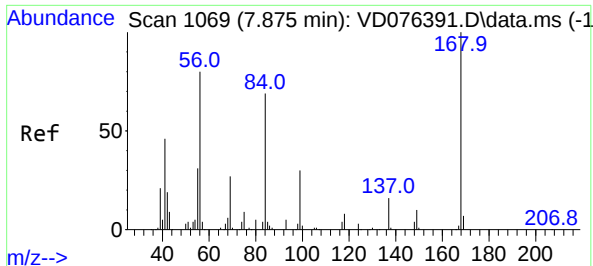
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jun 13 02:01:34 2023
Response via : Initial Calibration

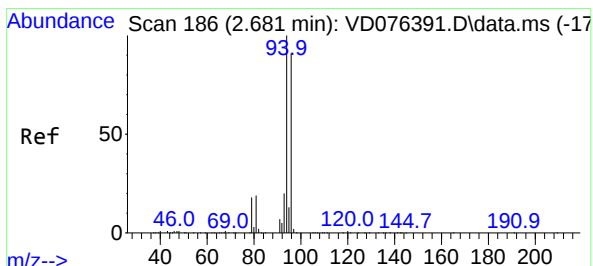
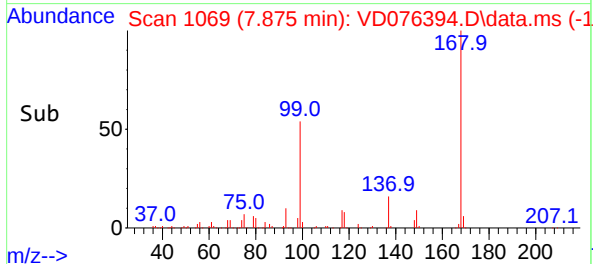
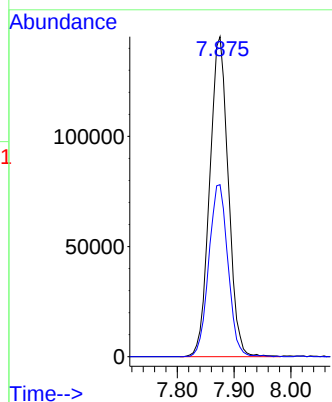
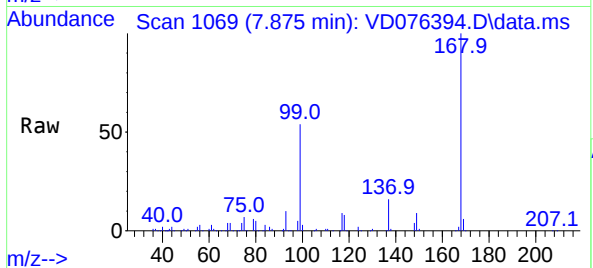




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

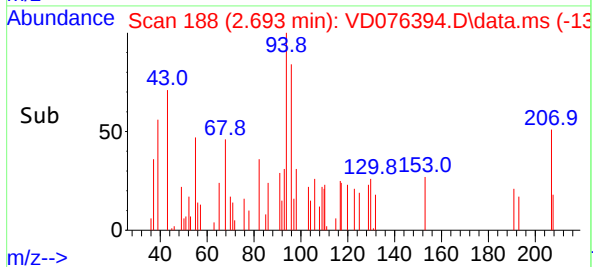
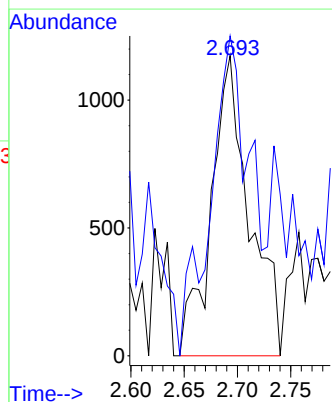
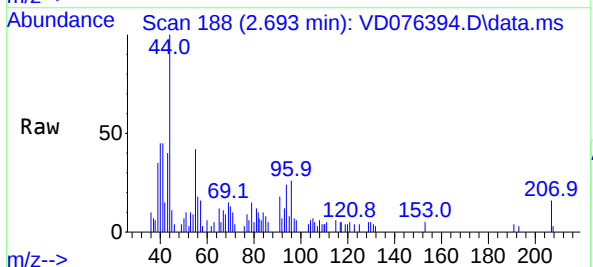
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

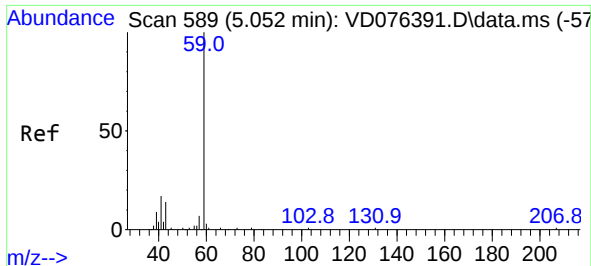
Tgt Ion:168 Resp: 330069
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#5
Bromomethane
Concen: 1.039 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 94 Resp: 2907
Ion Ratio Lower Upper
94 100
96 63.2 75.8 113.8#

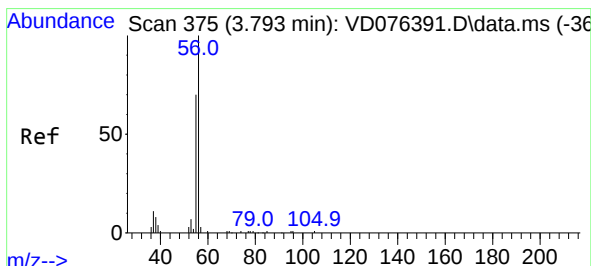
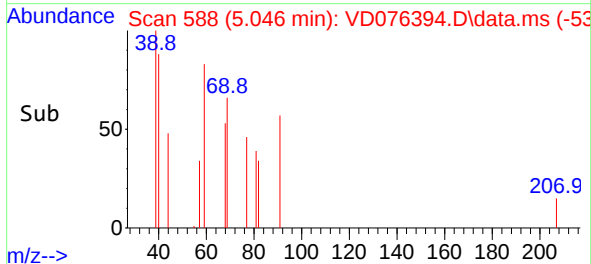
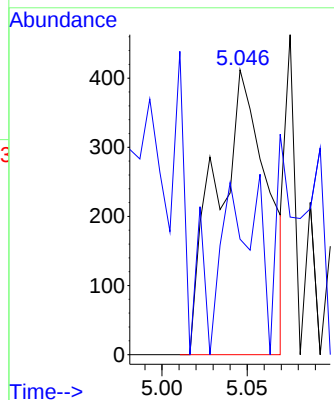
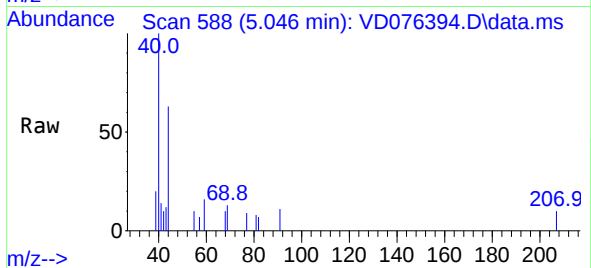




#11
Tert butyl alcohol
Concen: 2.664 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

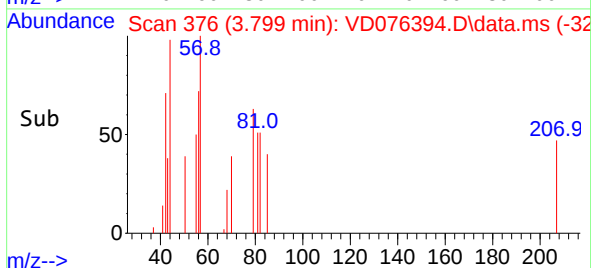
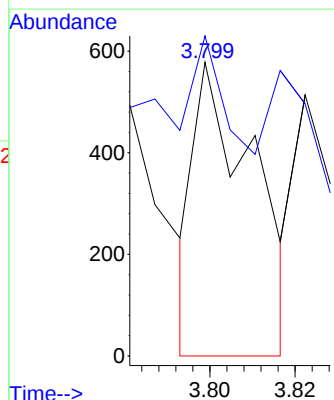
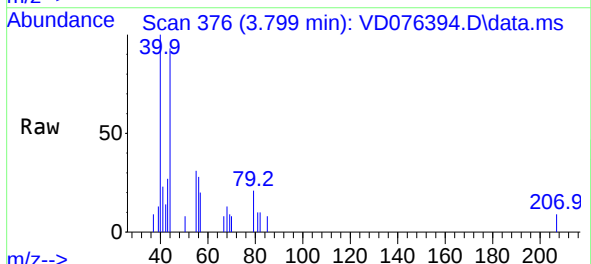
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

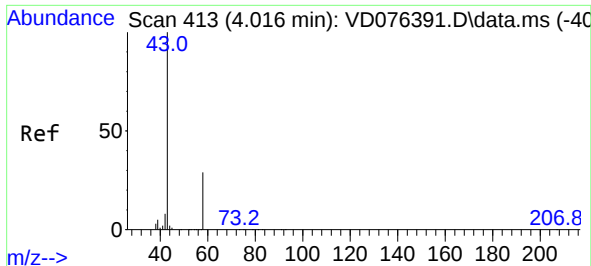
Tgt Ion: 59 Resp: 849
Ion Ratio Lower Upper
59 100
57 30.2 7.8 11.8#



#13
Acrolein
Concen: 1.535 ug/l
RT: 3.799 min Scan# 376
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 56 Resp: 561
Ion Ratio Lower Upper
56 100
55 100.4 55.1 82.7#

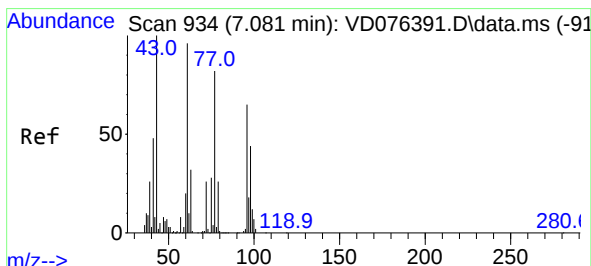
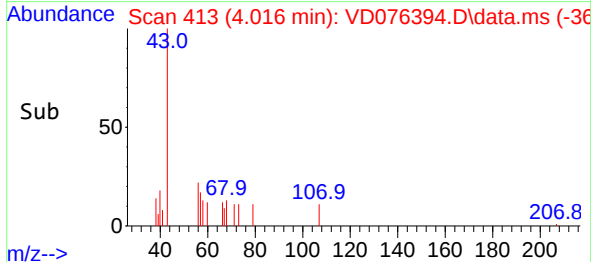
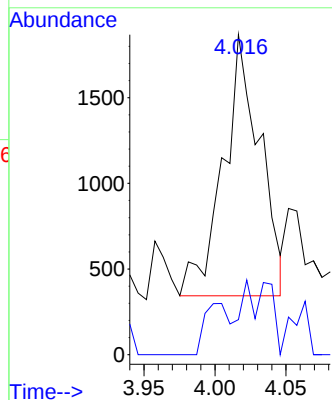
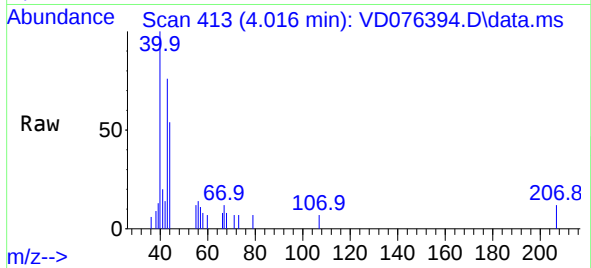




#16
Acetone
Concen: 3.271 ug/l
RT: 4.016 min Scan# 413
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

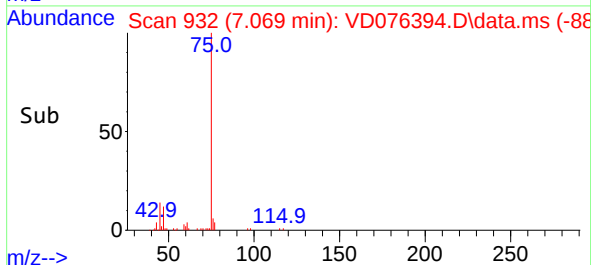
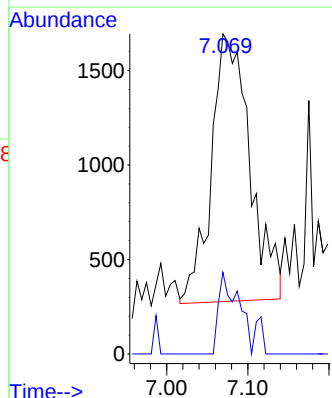
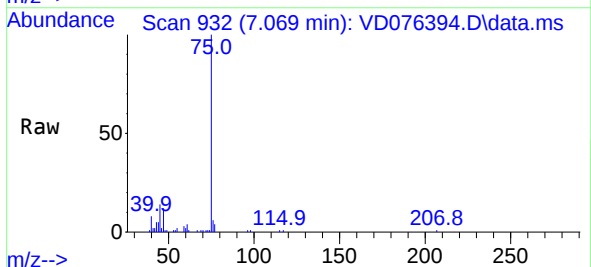
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

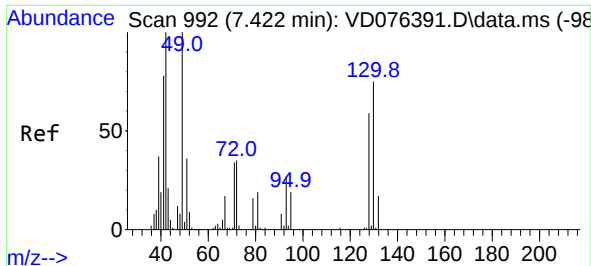
Tgt Ion: 43 Resp: 2741
Ion Ratio Lower Upper
43 100
58 13.5 34.7 52.1#



#25
2-Butanone
Concen: 3.580 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 43 Resp: 4693
Ion Ratio Lower Upper
43 100
72 30.8 30.7 46.1

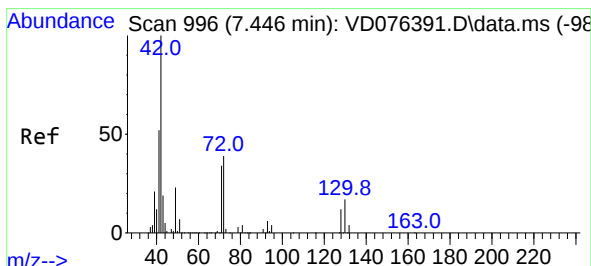
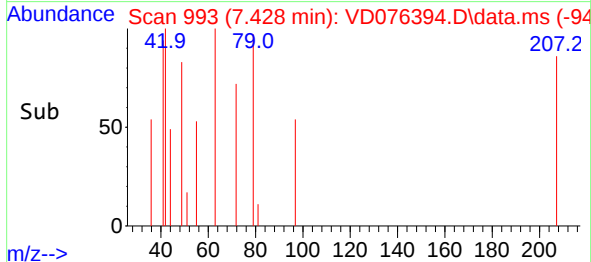
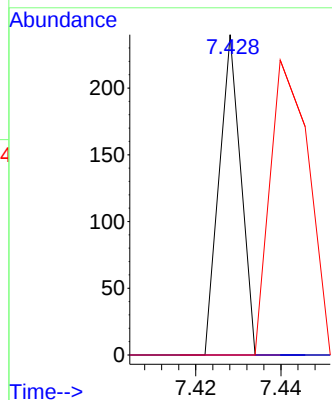
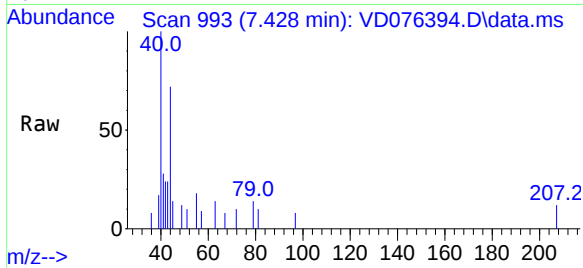




#28
Bromochloromethane
Concen: Below Cal
RT: 7.428 min Scan# 992
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

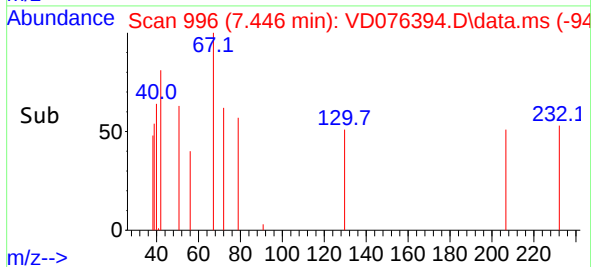
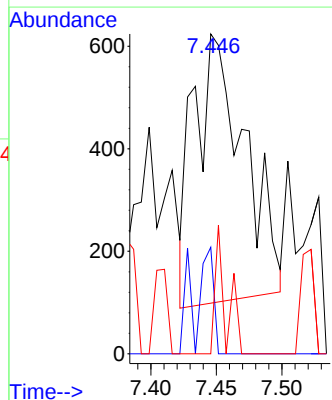
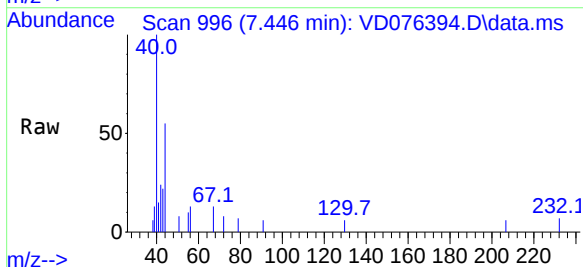
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

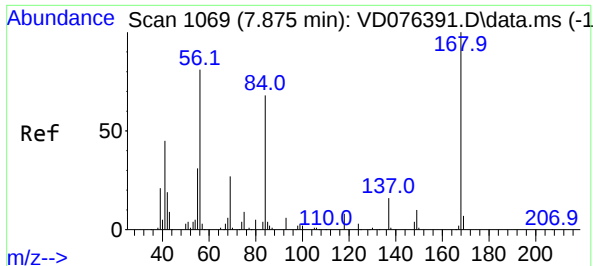
Tgt Ion: 49 Resp: 85
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 162.4 83.2 124.8#



#29
Tetrahydrofuran
Concen: 1.684 ug/l
RT: 7.446 min Scan# 996
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 42 Resp: 1408
Ion Ratio Lower Upper
42 100
72 9.7 46.5 69.7#
71 10.2 44.5 66.7#

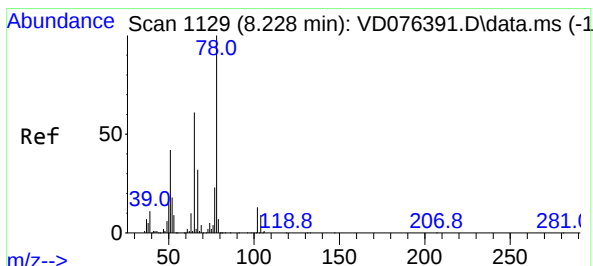
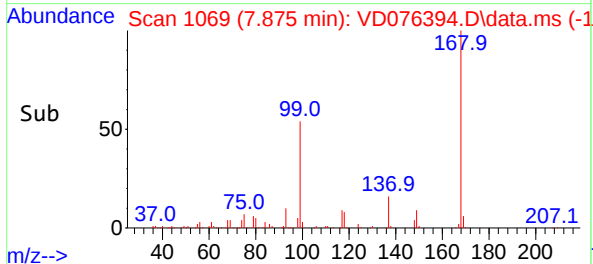
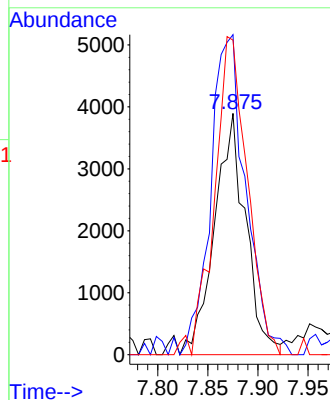
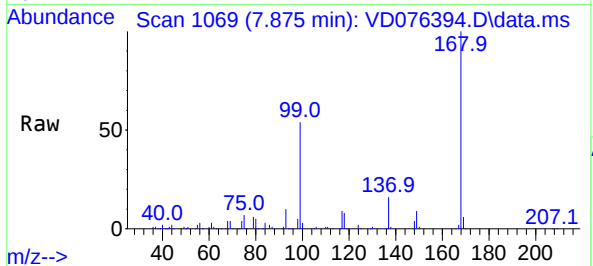




#31
Cyclohexane
Concen: 1.380 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

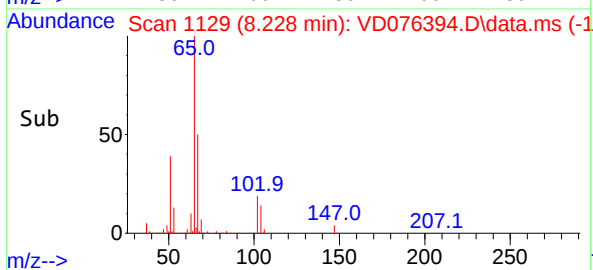
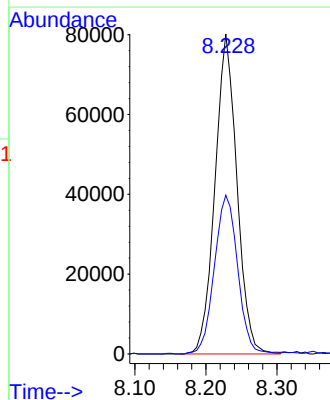
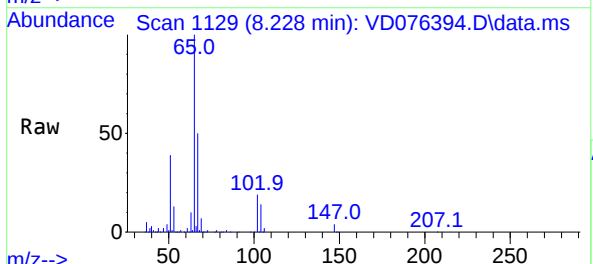
Instrument :
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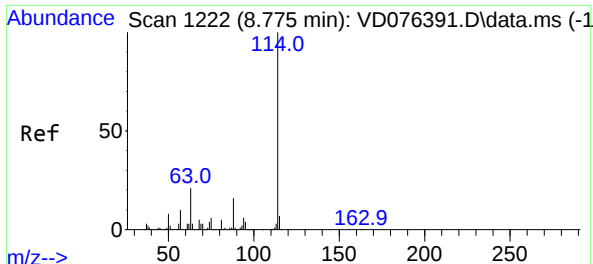
Tgt Ion: 56 Resp: 8420
Ion Ratio Lower Upper
56 100
69 132.7 28.6 43.0#
84 130.4 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 45.016 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 65 Resp: 171618
Ion Ratio Lower Upper
65 100
67 52.6 0.0 115.0

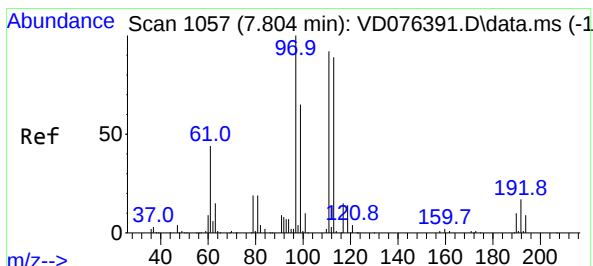
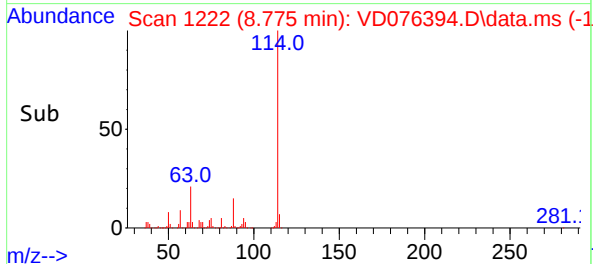
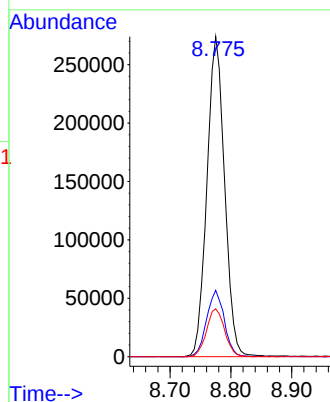
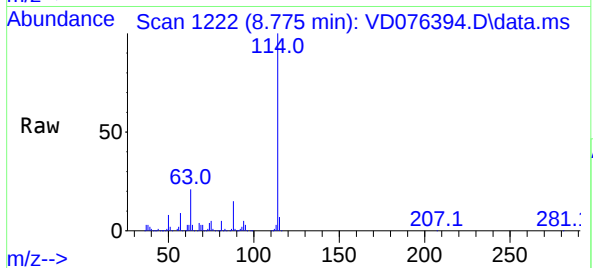




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

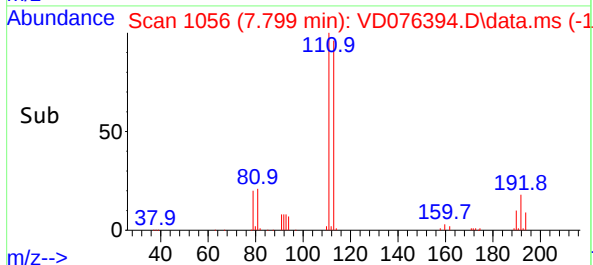
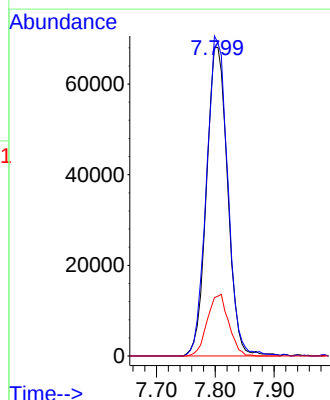
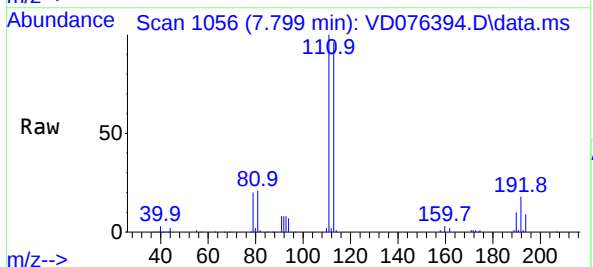
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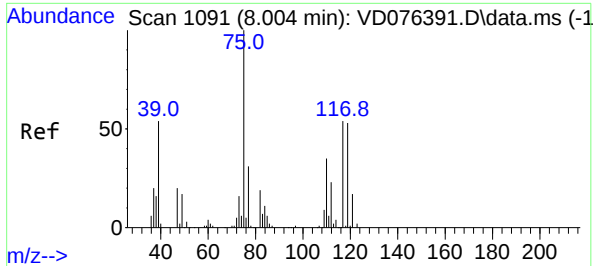
Tgt Ion:114 Resp: 552156
Ion Ratio Lower Upper
114 100
63 20.8 0.0 33.4
88 14.9 0.0 26.2



#35
Dibromofluoromethane
Concen: 47.801 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion:113 Resp: 170584
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 20.1 16.8 25.2

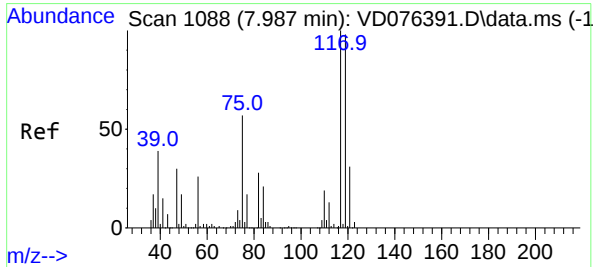
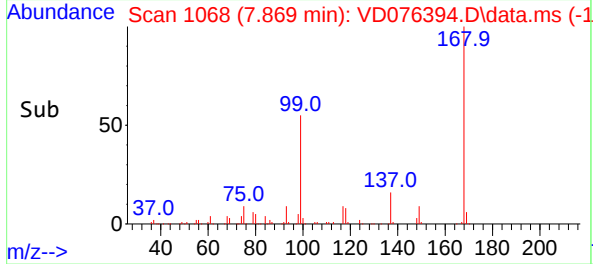
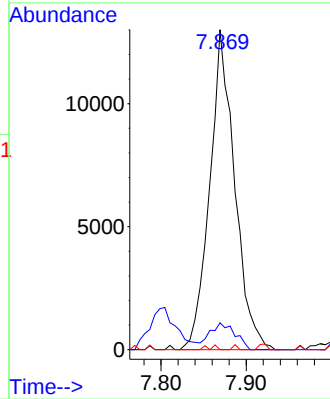
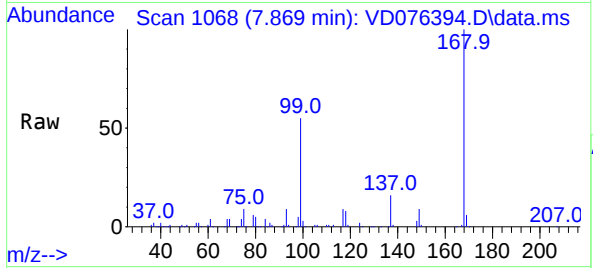




#36
1,1-Dichloropropene
Concen: 5.084 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

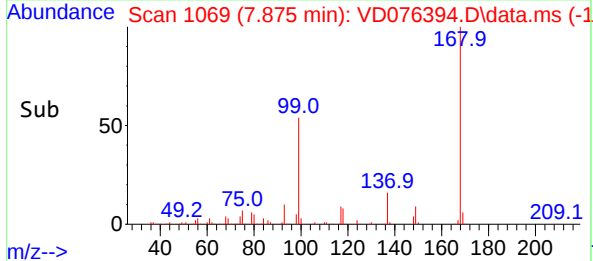
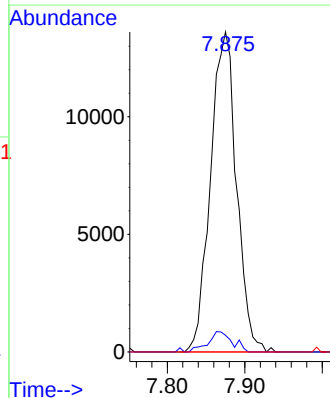
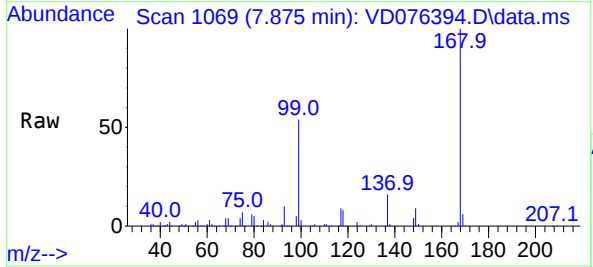
Instrument :
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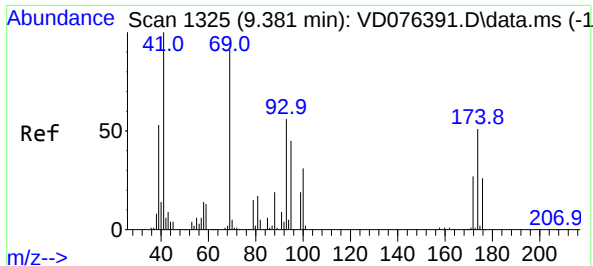
Tgt Ion:	75	Resp:	26483
Ion Ratio	Lower	Upper	
75	100		
110	8.4	19.9	59.6#
77	0.2	24.7	37.1#



#38
Carbon Tetrachloride
Concen: 6.569 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion:	117	Resp:	31767
Ion Ratio	Lower	Upper	
117	100		
119	5.2	78.0	117.0#
121	0.0	24.2	36.2#

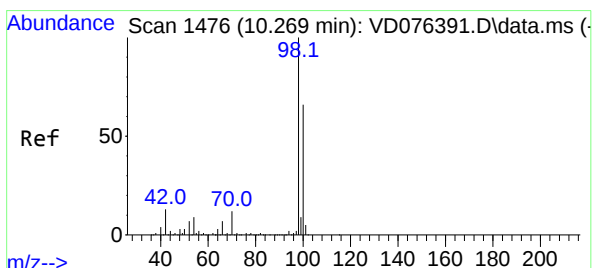
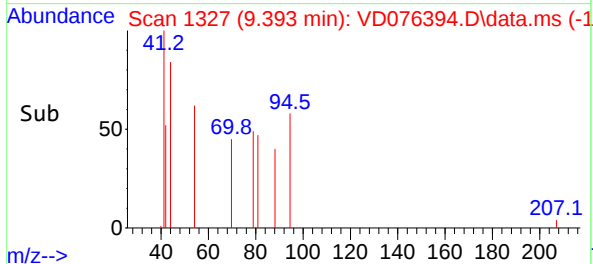
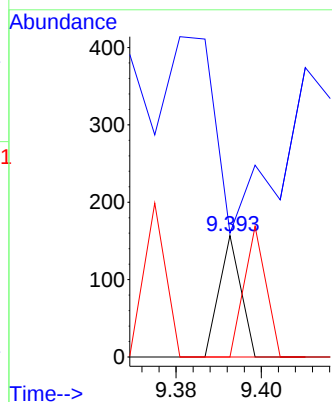
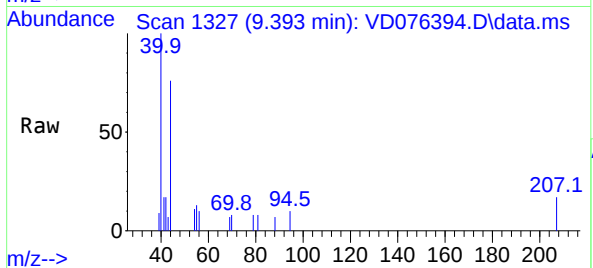




#49
1,4-Dioxane
Concen: 2.087 ug/l
RT: 9.393 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

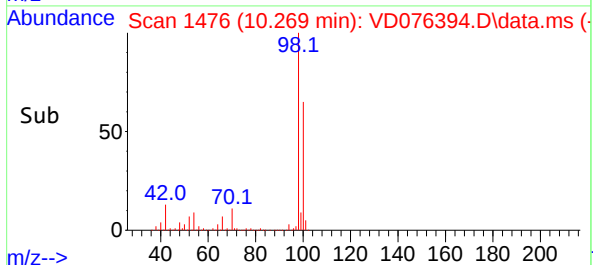
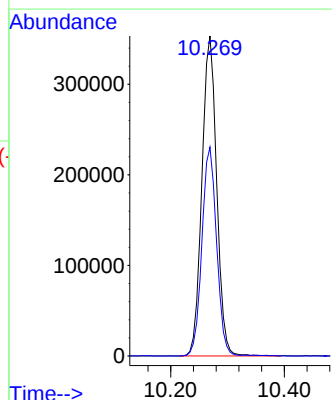
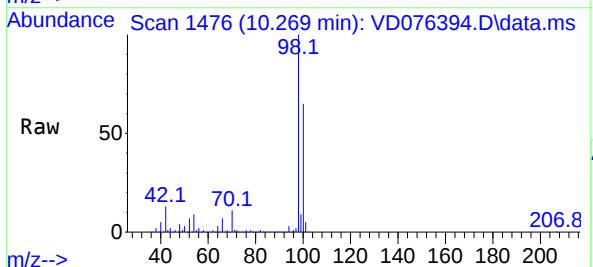
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

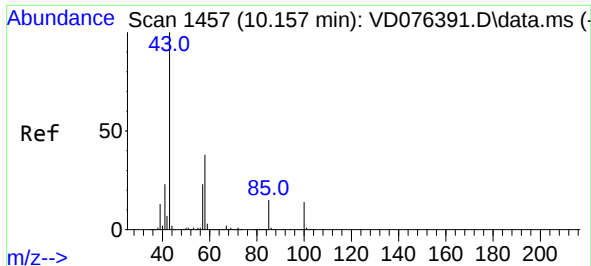
Tgt Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 109.1 43.5 65.3#



#50
Toluene-d8
Concen: 47.110 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 98 Resp: 637101
Ion Ratio Lower Upper
98 100
100 64.8 50.3 75.5

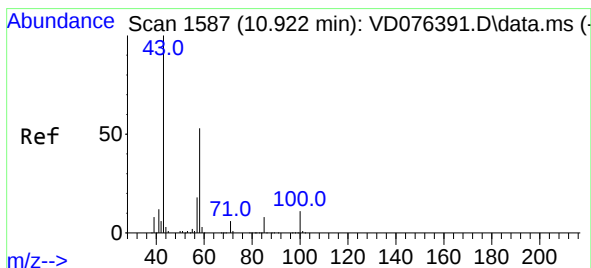
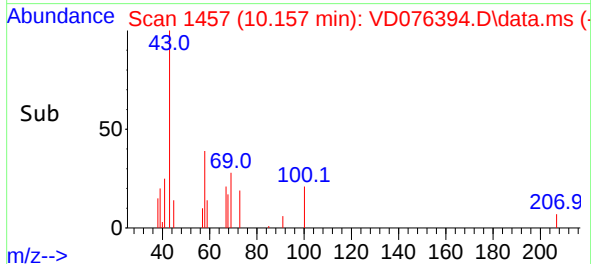
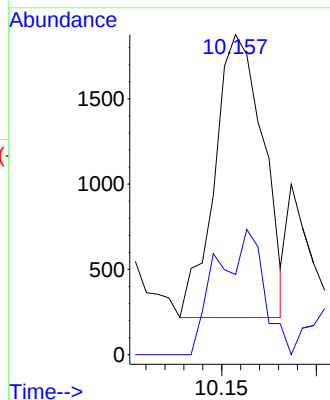
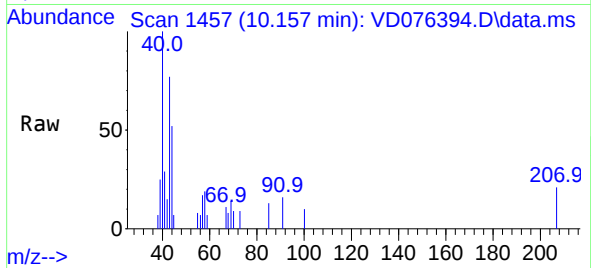




#51
4-Methyl-2-Pentanone
Concen: 1.035 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

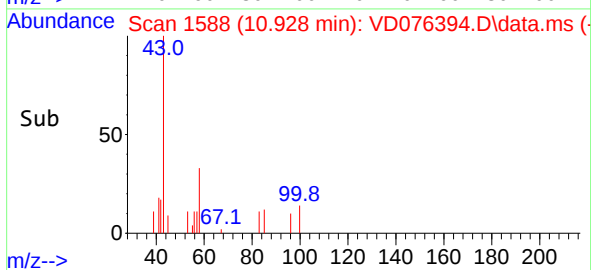
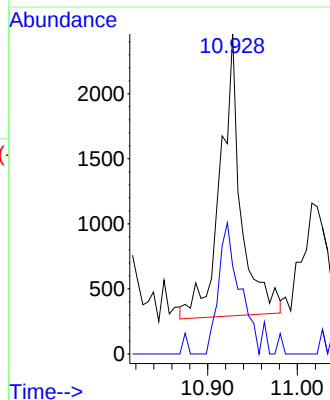
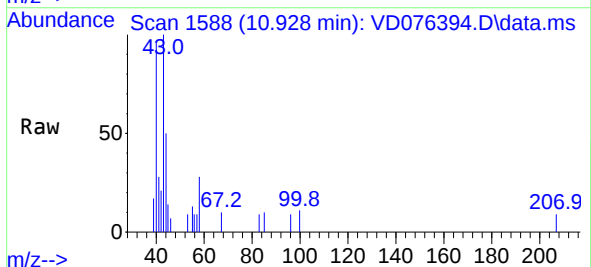
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

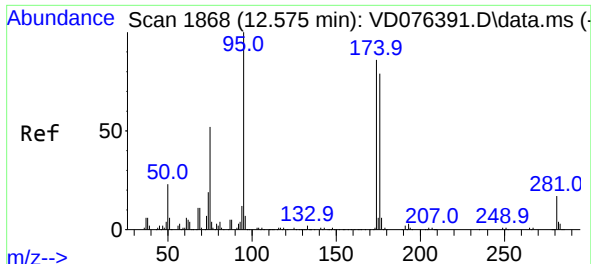
Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
58 42.4 38.9 58.3



#59
2-Hexanone
Concen: 1.738 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 43 Resp: 3475
Ion Ratio Lower Upper
43 100
58 49.5 34.1 102.2

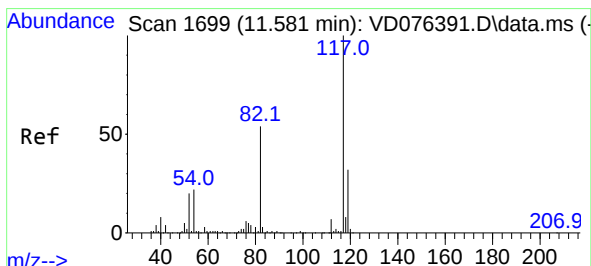
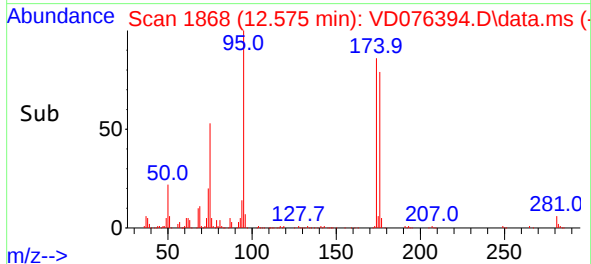
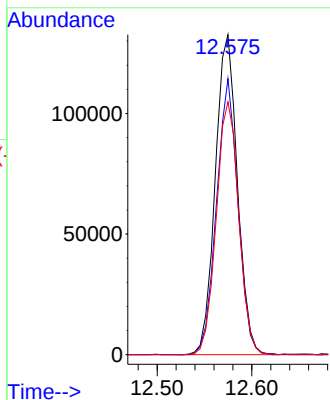
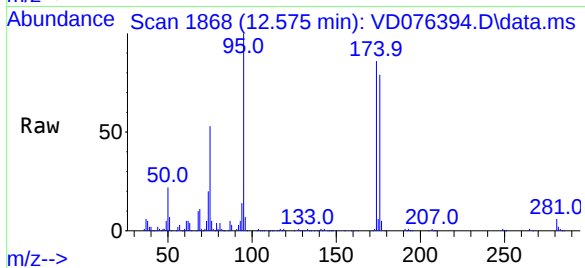




#62
4-Bromofluorobenzene
Concen: 46.465 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

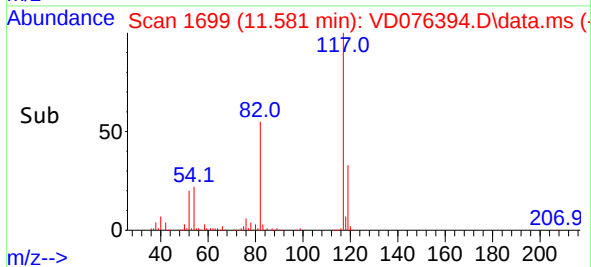
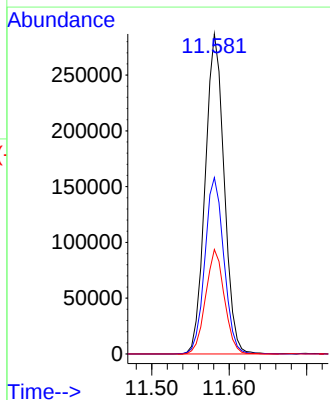
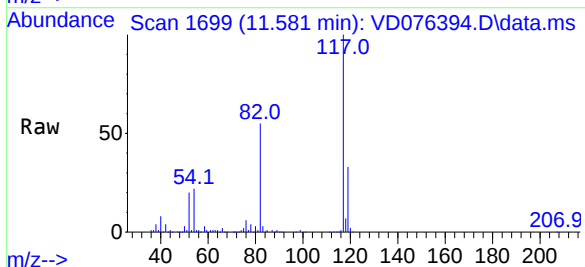
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

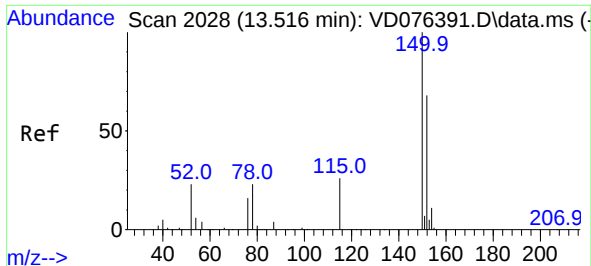
Tgt Ion: 95 Resp: 215570
Ion Ratio Lower Upper
95 100
174 83.5 0.0 201.8
176 79.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

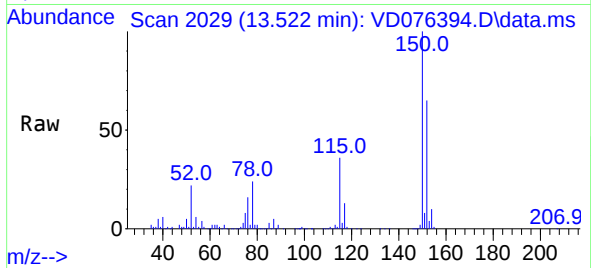
Tgt Ion: 117 Resp: 486603
Ion Ratio Lower Upper
117 100
82 55.0 38.3 57.5
119 32.6 25.0 37.4



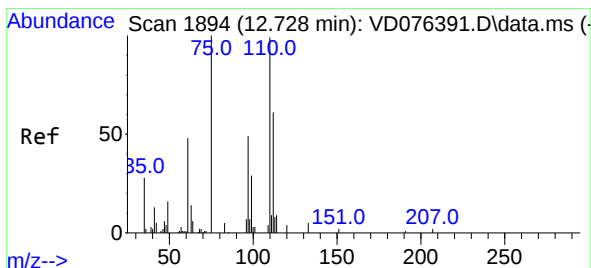
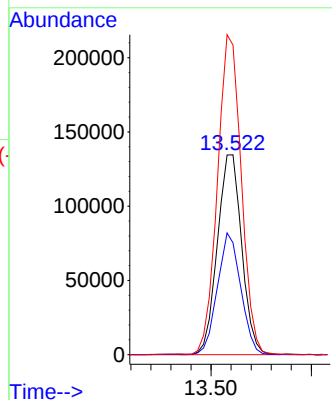
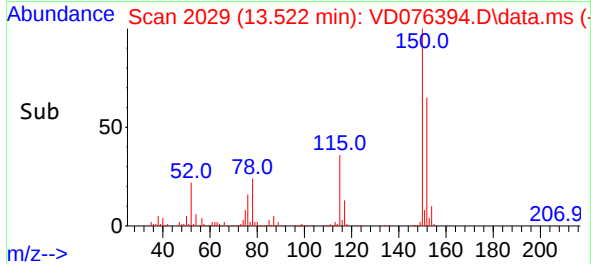


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

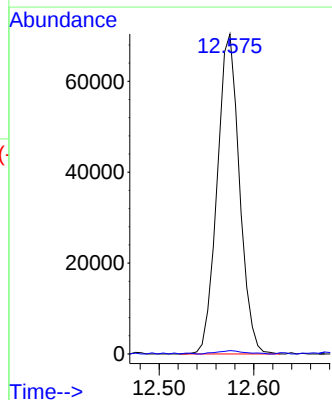
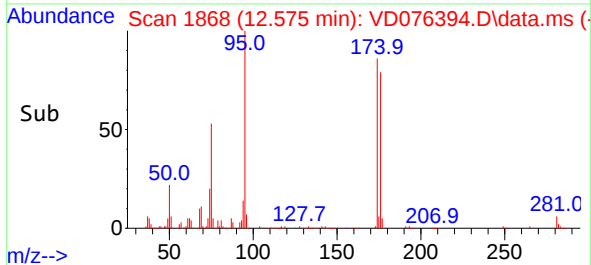
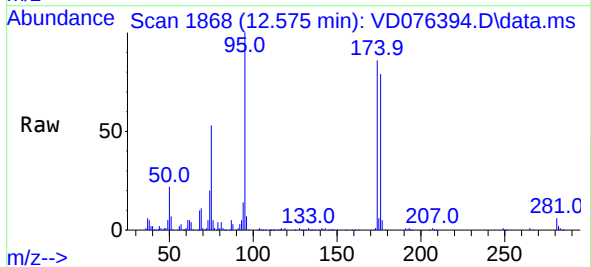


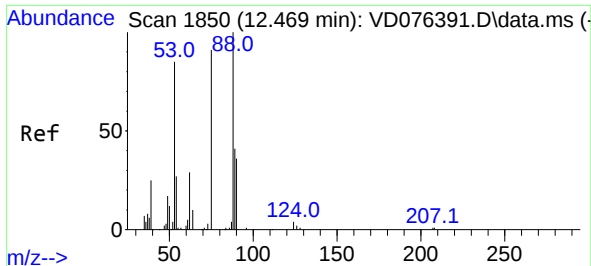
Tgt Ion:152 Resp: 226699
Ion Ratio Lower Upper
152 100
115 58.5 27.1 81.3
150 157.1 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 54.385 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion: 75 Resp: 115261
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

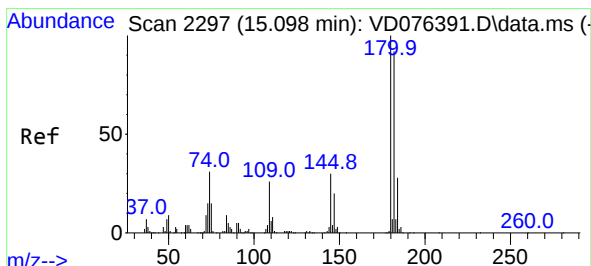
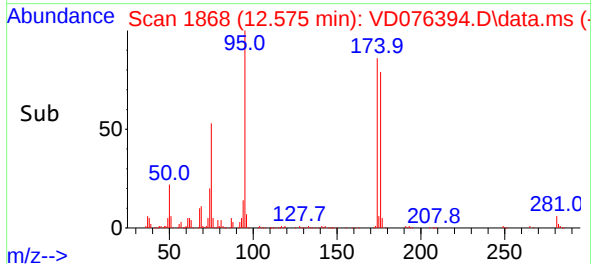
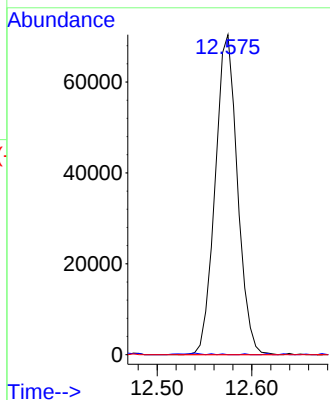
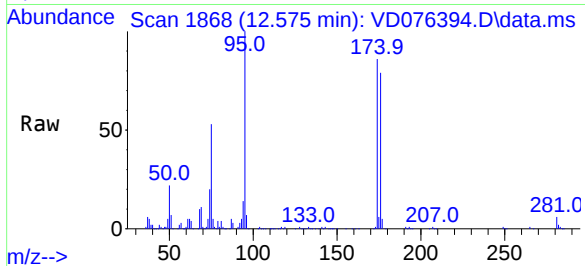




#81
trans-1,4-Dichloro-2-butene
Concen: 97.372 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

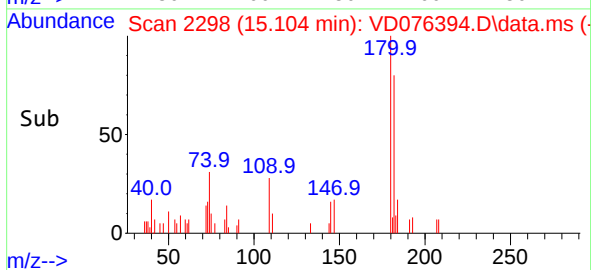
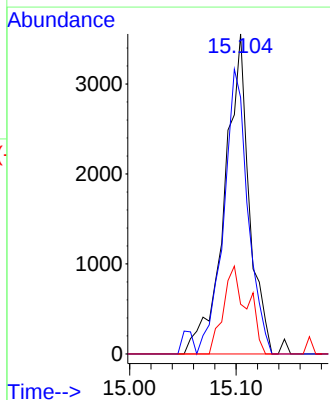
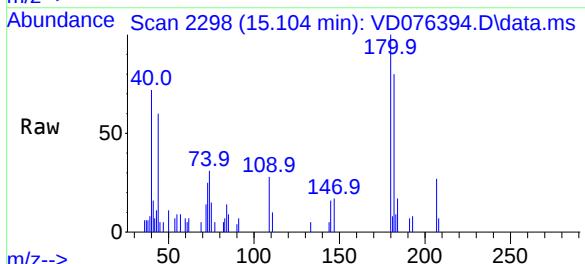
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

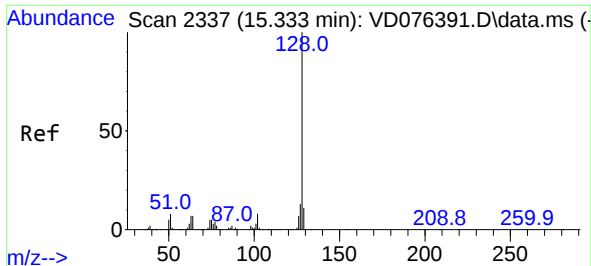
Tgt Ion: 75 Resp: 115261
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#93
1,2,4-Trichlorobenzene
Concen: 1.237 ug/l
RT: 15.104 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion:180 Resp: 5698
Ion Ratio Lower Upper
180 100
182 87.8 48.5 145.6
145 26.8 14.2 42.6

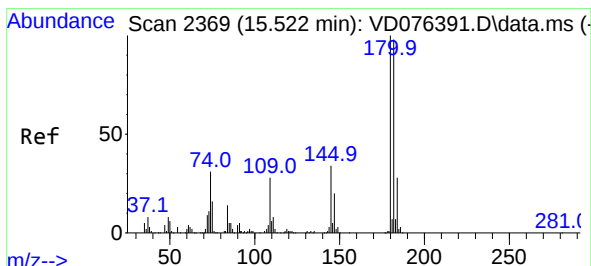
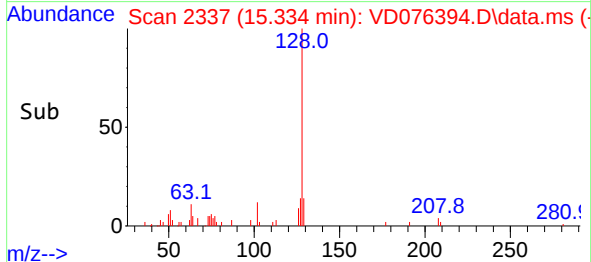
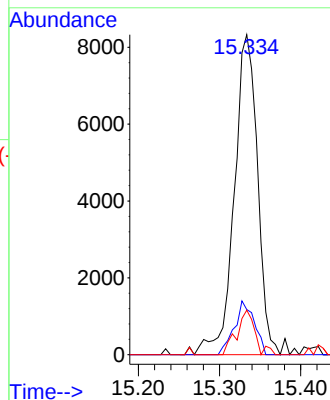
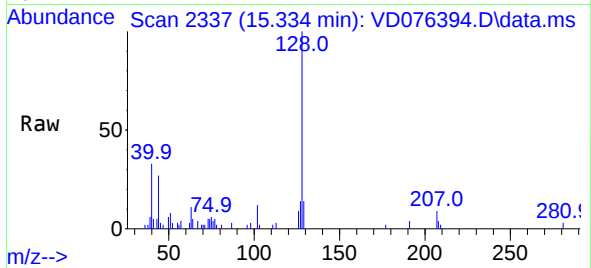




#95
Naphthalene
Concen: 1.796 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:128 Resp: 16621
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 13.9 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.509 ug/l
RT: 15.528 min Scan# 2370
Delta R.T. 0.006 min
Lab File: VD076394.D
Acq: 12 Jun 2023 15:18

Tgt Ion:180 Resp: 6004
Ion Ratio Lower Upper
180 100
182 89.4 47.3 141.9
145 30.5 15.1 45.3

