

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081423\
 Data File : VD077005.D
 Acq On : 14 Aug 2023 17:07
 Operator : JC/SY
 Sample : 03961-03
 Misc : 5.05G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Quant Time: Aug 15 04:49:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 09 07:25:36 2023
 Response via : Initial Calibration

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

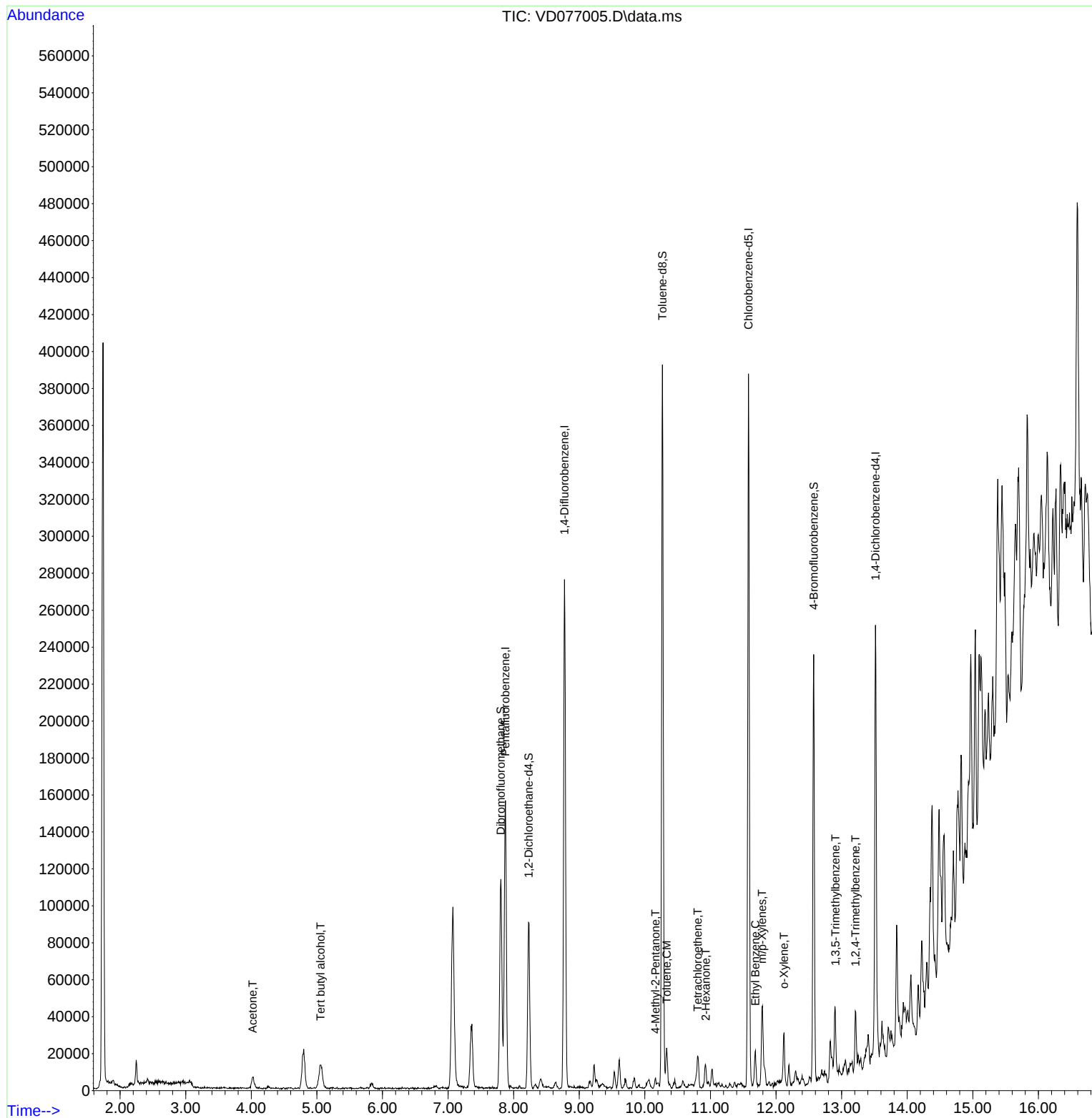
Internal Standards						
1) Pentafluorobenzene	7.875	168	122443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	259629	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	229640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	67749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	70002	72.473	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.940%	
35) Dibromofluoromethane	7.804	113	83385	59.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.480%	
50) Toluene-d8	10.269	98	272583	60.802	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 121.600%	
62) 4-Bromofluorobenzene	12.575	95	69621	44.422	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.057	59	24758	399.112	ug/l	99
16) Acetone	4.022	43	10861	41.578	ug/l	95
51) 4-Methyl-2-Pentanone	10.163	43	3321	4.020	ug/l #	77
52) Toluene	10.334	92	9824	2.695	ug/l	88
59) 2-Hexanone	10.928	43	7551	13.427	ug/l	74
64) Tetrachloroethene	10.804	164	2783	2.408	ug/l #	73
67) Ethyl Benzene	11.687	91	11691	1.706	ug/l	96
68) m/p-Xylenes	11.787	106	13382	5.027	ug/l	85
69) o-Xylene	12.122	106	7865	3.081	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	5459	1.578	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	17212	4.881	ug/l	96

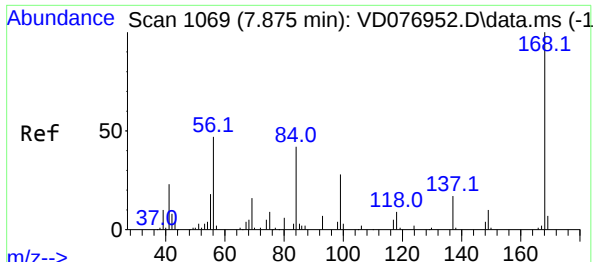
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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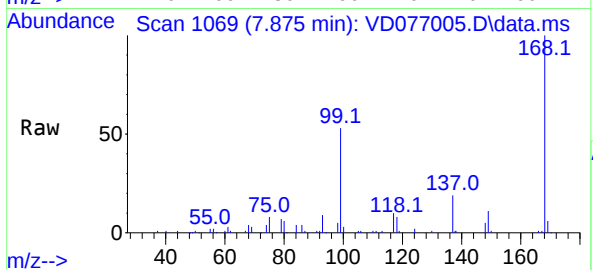
Quant Time: Aug 15 04:49:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D080823S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 09 07:25:36 2023
Response via : Initial Calibration



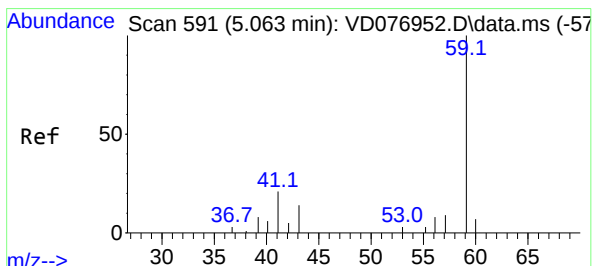
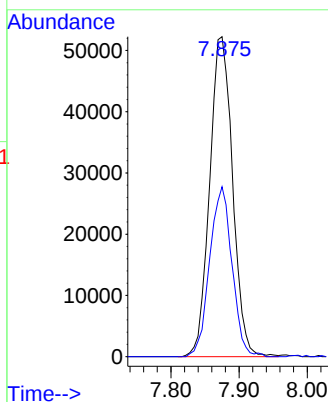
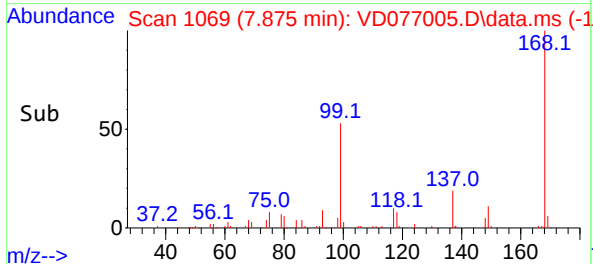


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :
20071

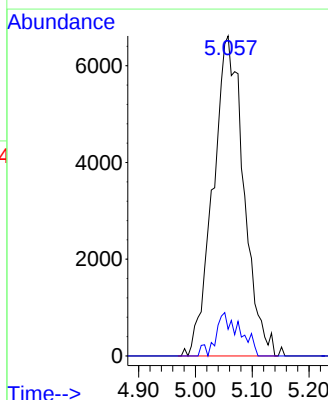
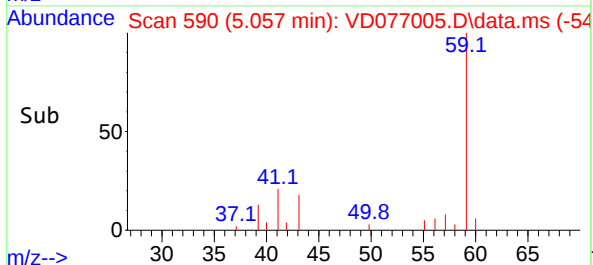
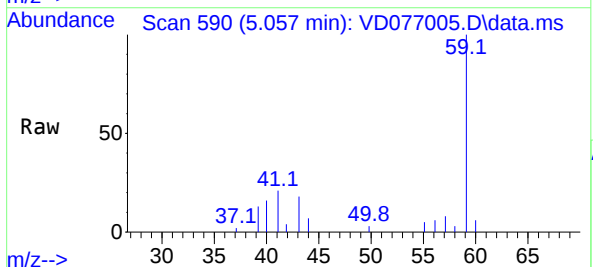


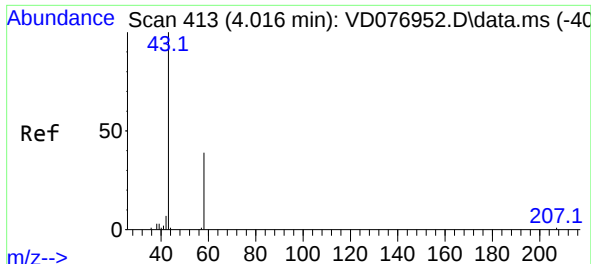
Tgt Ion:168 Resp: 122443
Ion Ratio Lower Upper
168 100
99 53.1 36.7 55.1



#11
Tert butyl alcohol
Concen: 399.112 ug/l
RT: 5.057 min Scan# 590
Delta R.T. -0.006 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 59 Resp: 24758
Ion Ratio Lower Upper
59 100
57 10.0 7.8 11.8

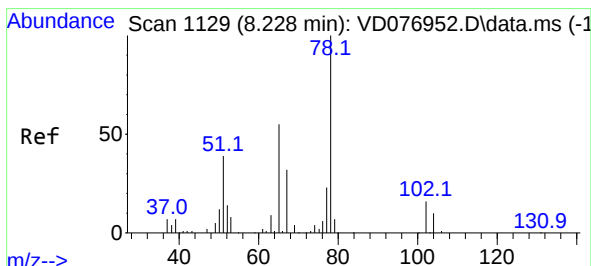
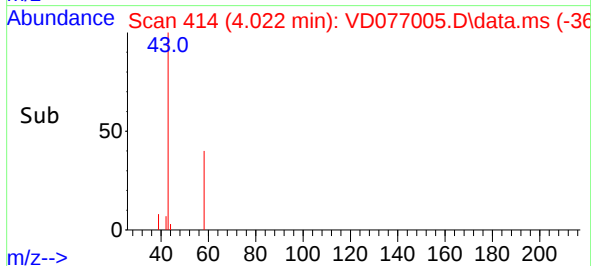
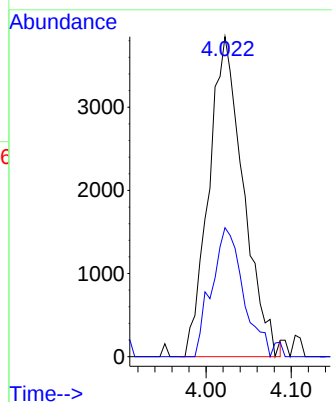
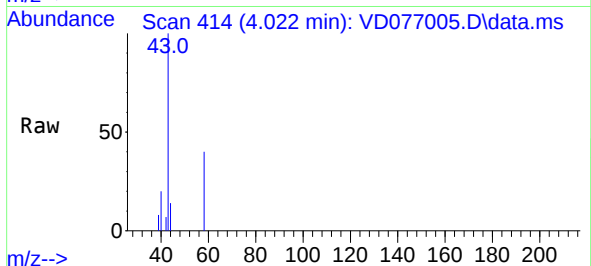




#16
Acetone
Concen: 41.578 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

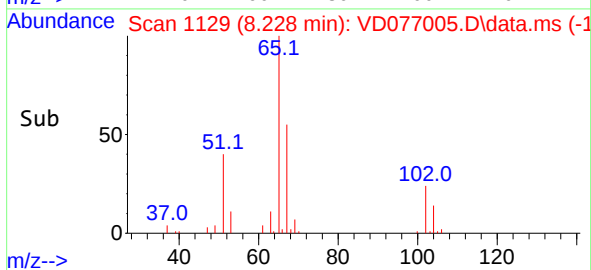
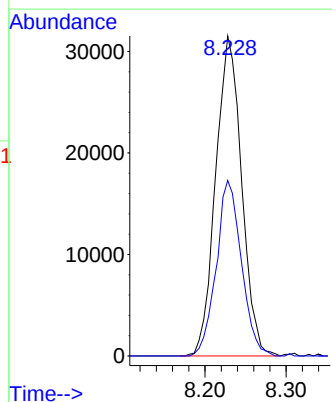
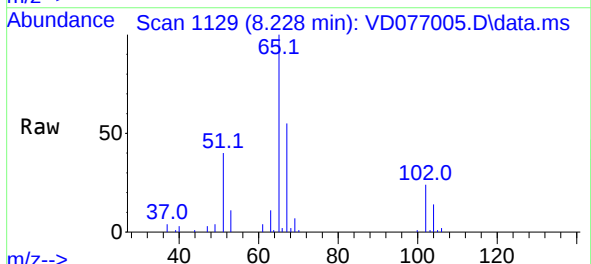
Instrument :
MSVOA_D
ClientSampleId :
20071

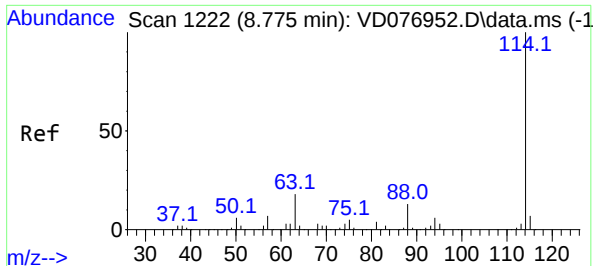
Tgt Ion: 43 Resp: 10861
Ion Ratio Lower Upper
43 100
58 40.3 34.7 52.1



#33
1,2-Dichloroethane-d4
Concen: 72.473 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 65 Resp: 70002
Ion Ratio Lower Upper
65 100
67 53.2 0.0 115.0

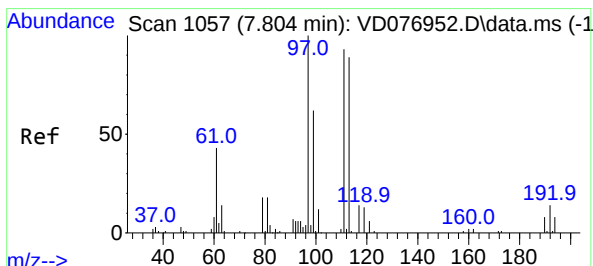
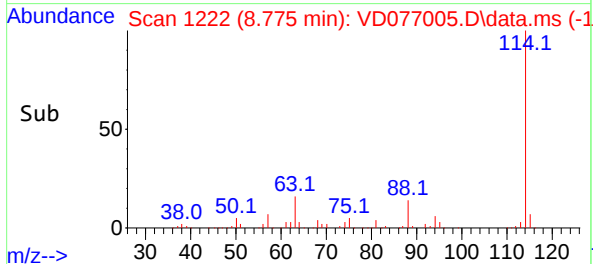
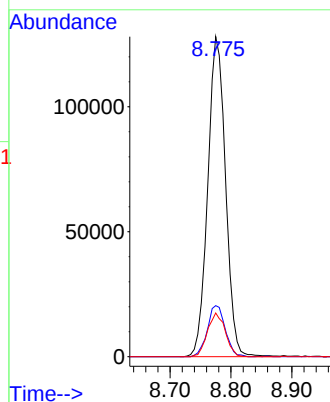
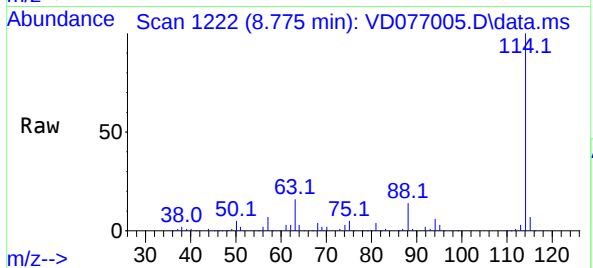




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

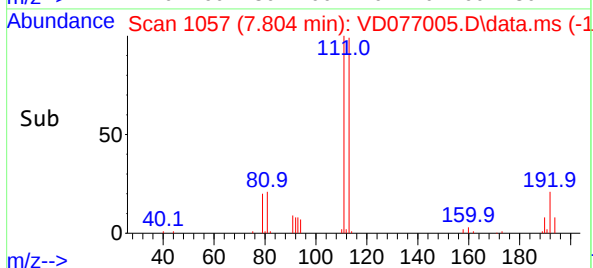
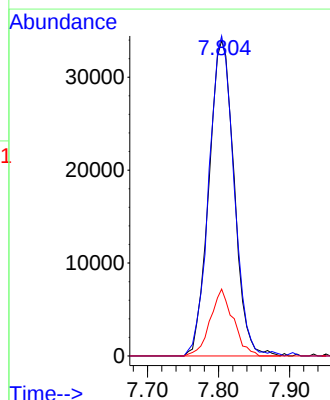
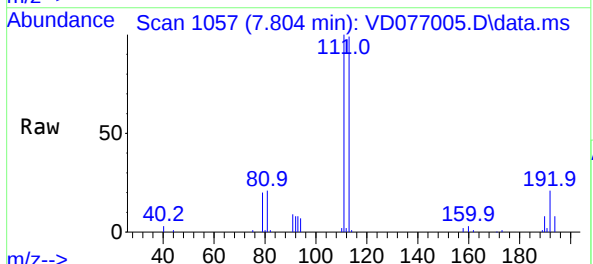
Instrument :
MSVOA_D
ClientSampleId :
20071

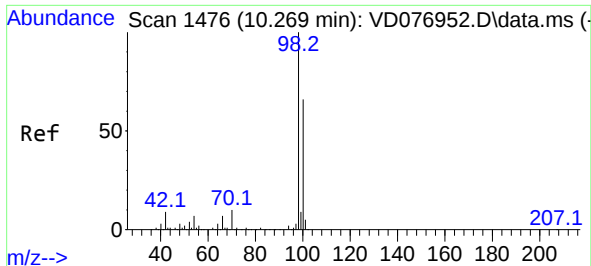
Tgt Ion:114 Resp: 259629
Ion Ratio Lower Upper
114 100
63 16.0 0.0 33.4
88 13.7 0.0 26.2



#35
Dibromofluoromethane
Concen: 59.740 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion:113 Resp: 83385
Ion Ratio Lower Upper
113 100
111 100.9 84.7 127.1
192 19.5 16.8 25.2

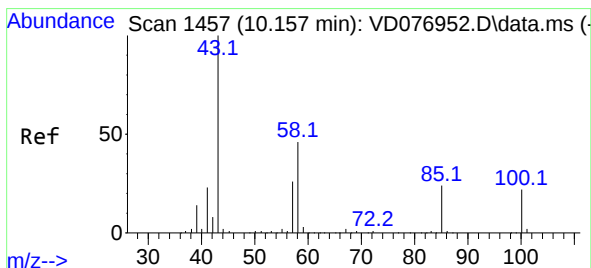
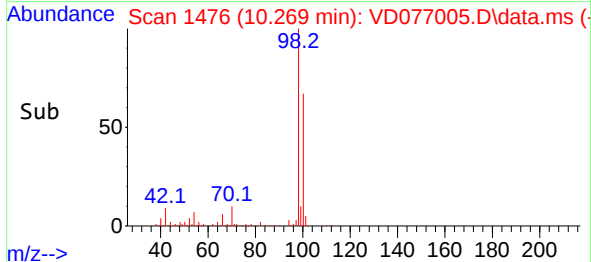
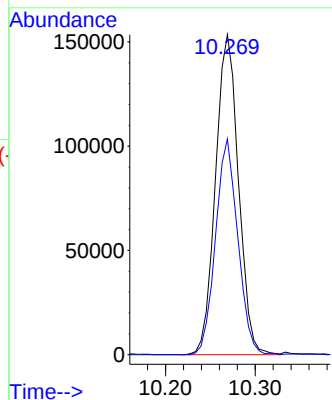
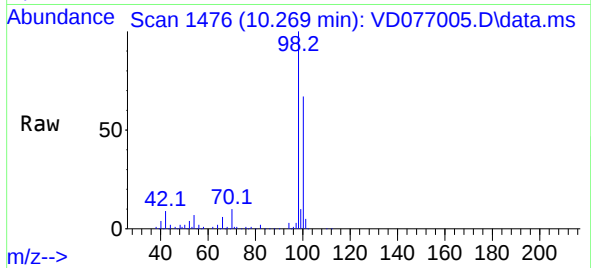




#50
Toluene-d8
Concen: 60.802 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

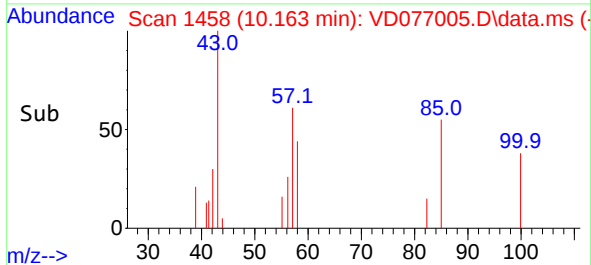
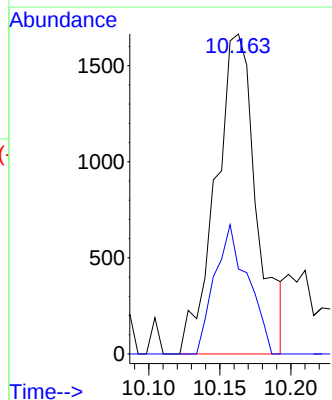
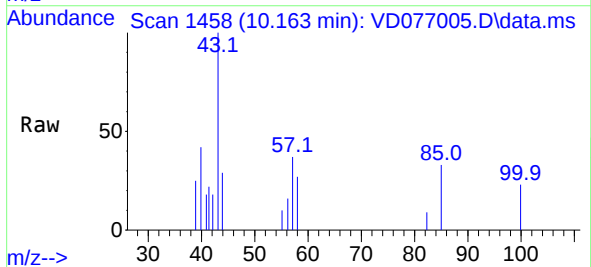
Instrument :
MSVOA_D
ClientSampleId :
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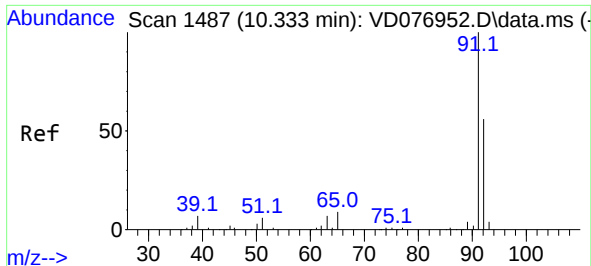
Tgt Ion: 98 Resp: 272583
Ion Ratio Lower Upper
98 100
100 65.3 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 4.020 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 43 Resp: 3321
Ion Ratio Lower Upper
43 100
58 32.8 38.9 58.3#

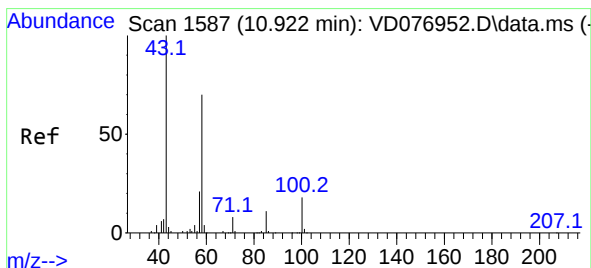
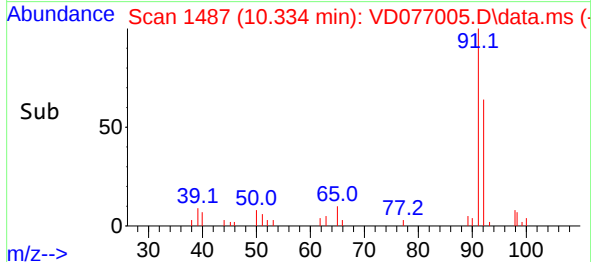
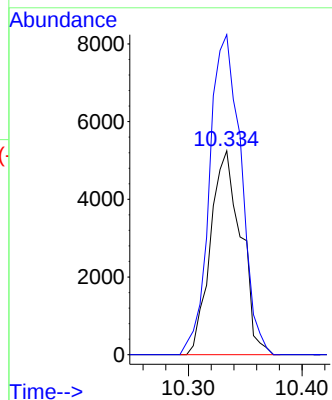
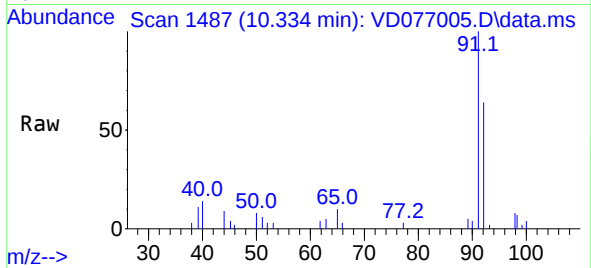




#52
Toluene
Concen: 2.695 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.001 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

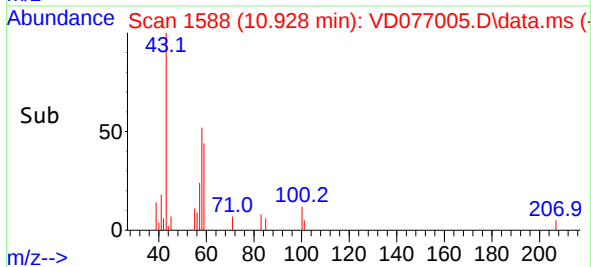
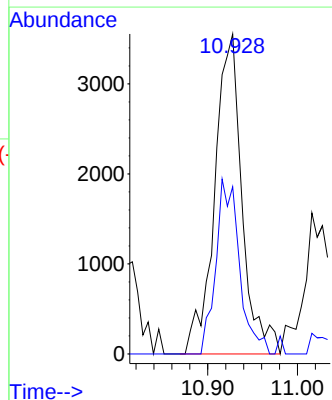
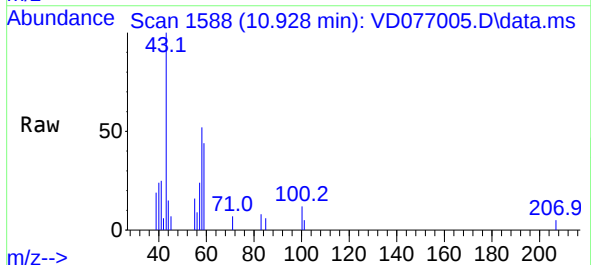
Instrument :
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ClientSampleId :
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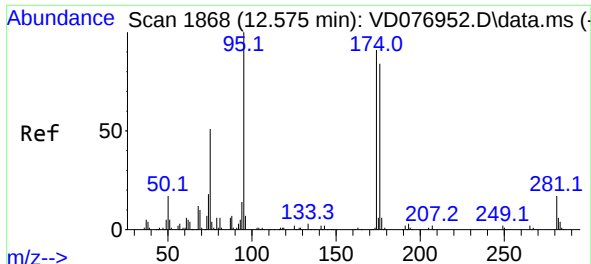
Tgt Ion: 92 Resp: 9824
Ion Ratio Lower Upper
92 100
91 161.2 143.0 214.4



#59
2-Hexanone
Concen: 13.427 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 43 Resp: 7551
Ion Ratio Lower Upper
43 100
58 46.8 34.1 102.2

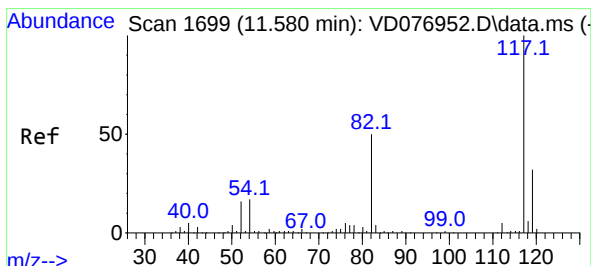
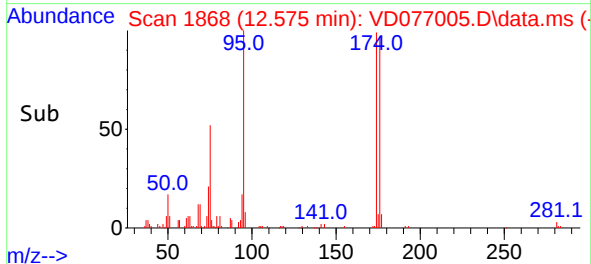
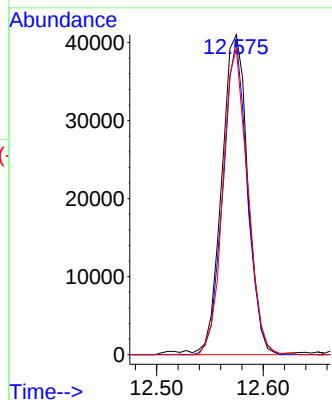
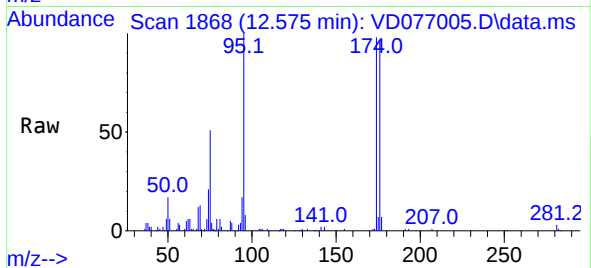




#62
4-Bromofluorobenzene
Concen: 44.422 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

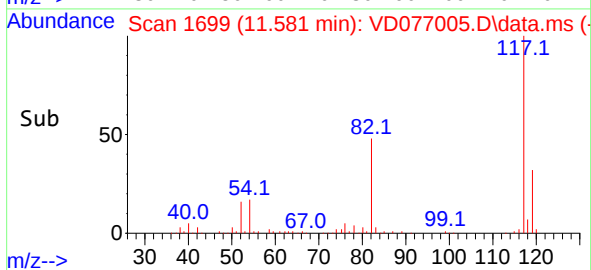
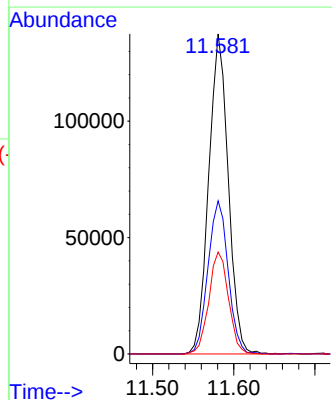
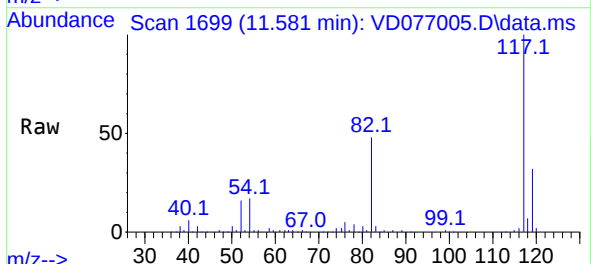
Instrument :
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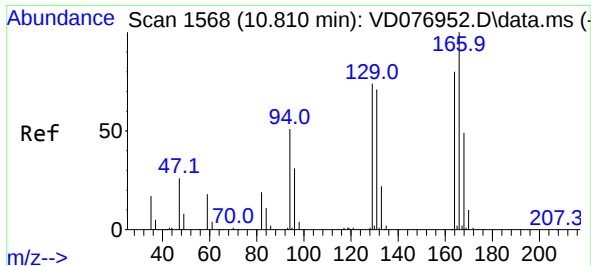
Tgt Ion: 95 Resp: 69621
Ion Ratio Lower Upper
95 100
174 90.9 0.0 201.8
176 90.9 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.001 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 117 Resp: 229640
Ion Ratio Lower Upper
117 100
82 47.8 38.3 57.5
119 31.8 25.0 37.4



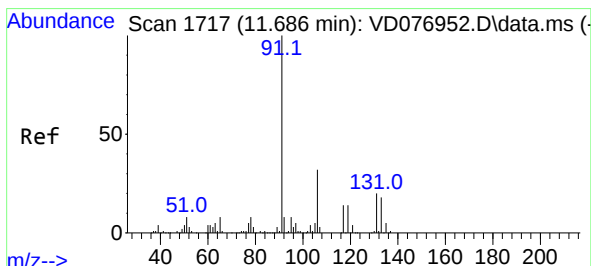
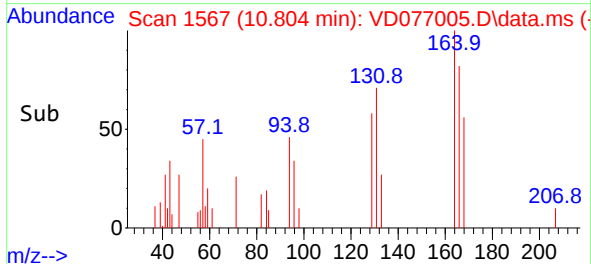
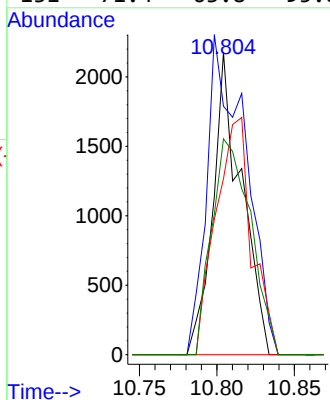
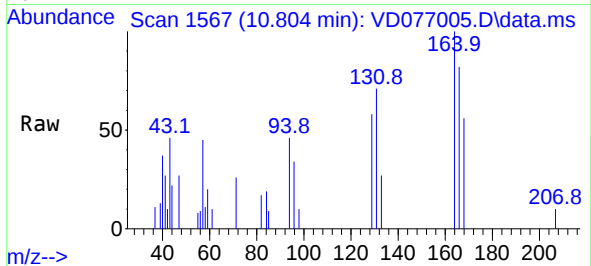


#64
Tetrachloroethene
Concen: 2.408 ug/l
RT: 10.804 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :
20071

Tgt Ion:164 Resp: 2783

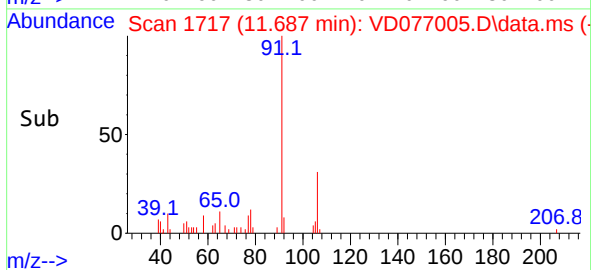
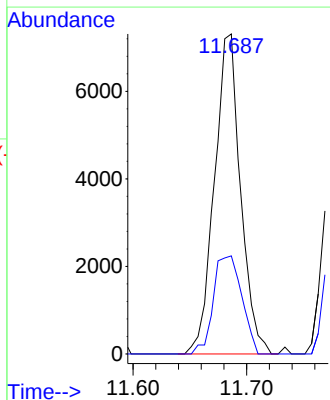
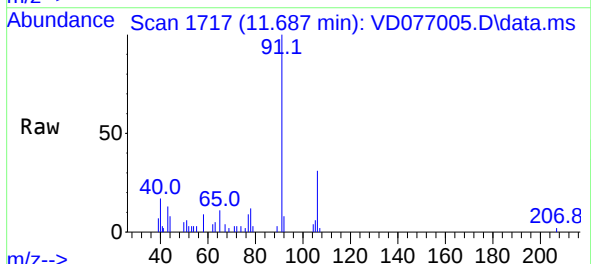
Ion	Ratio	Lower	Upper
164	100		
166	82.2	99.2	148.8#
129	58.2	68.4	102.6#
131	71.4	63.8	95.8

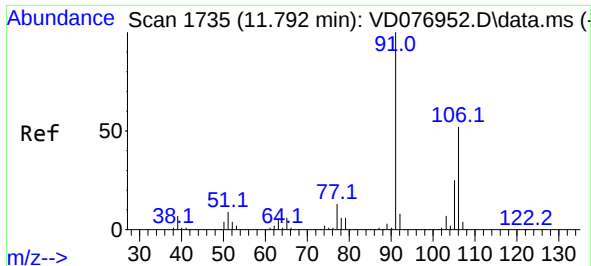


#67
Ethyl Benzene
Concen: 1.706 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.001 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion: 91 Resp: 11691

Ion	Ratio	Lower	Upper
91	100		
106	30.7	26.5	39.7

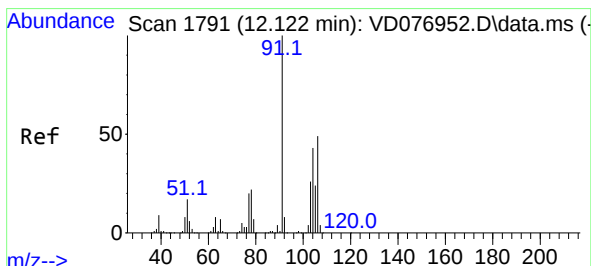
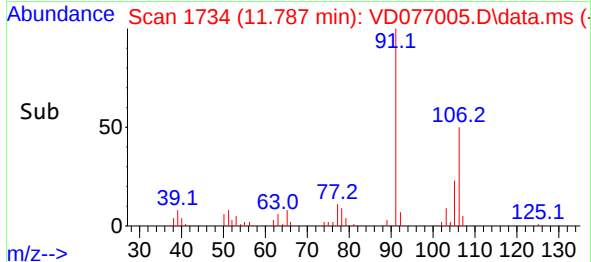
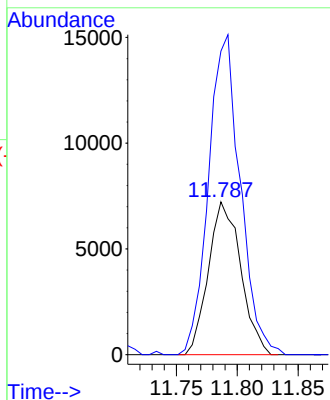
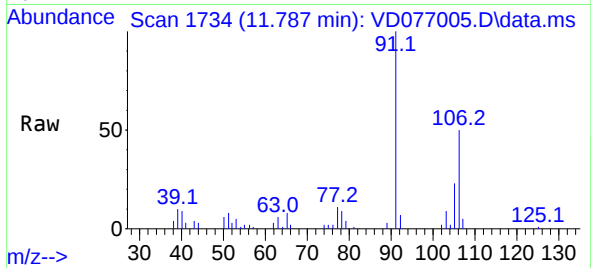




#68
m/p-Xylenes
Concen: 5.027 ug/l
RT: 11.787 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

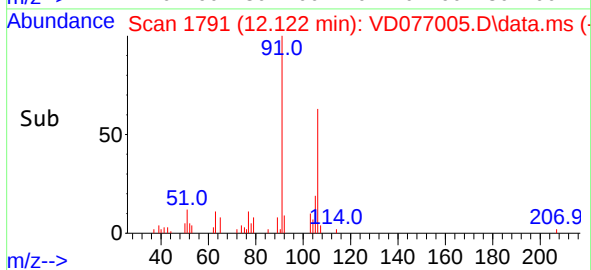
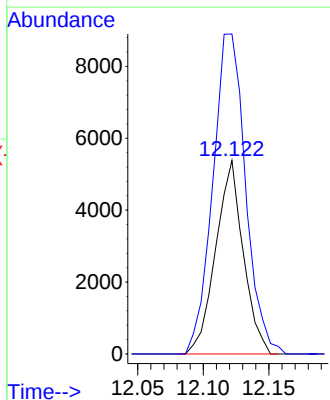
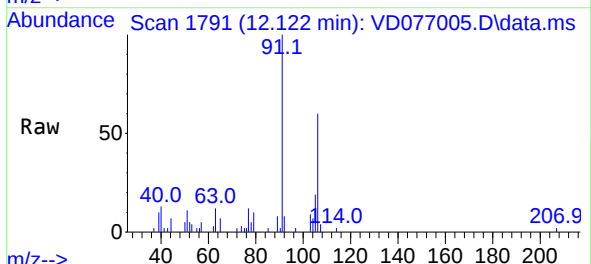
Instrument :
MSVOA_D
ClientSampleId :
20071

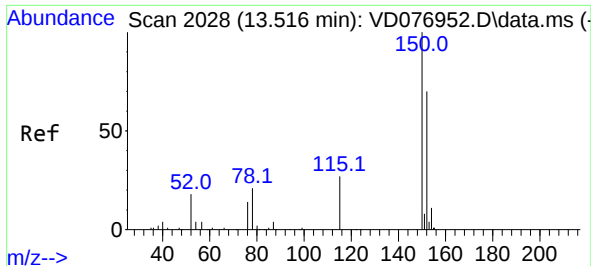
Tgt Ion:106 Resp: 13382
Ion Ratio Lower Upper
106 100
91 204.9 147.0 220.6



#69
o-Xylene
Concen: 3.081 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

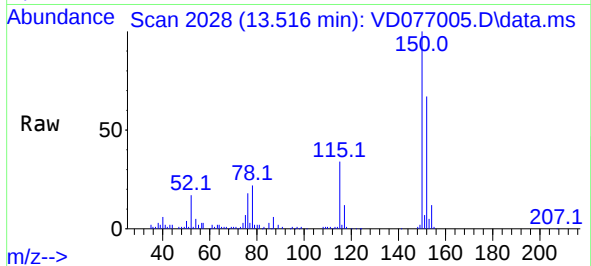
Tgt Ion:106 Resp: 7865
Ion Ratio Lower Upper
106 100
91 196.4 97.9 293.6



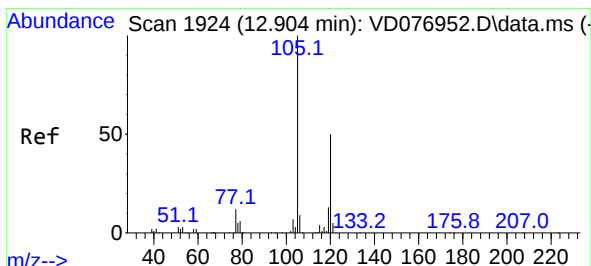
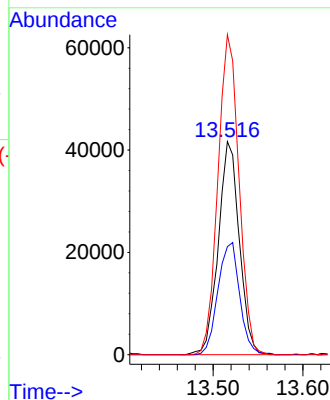
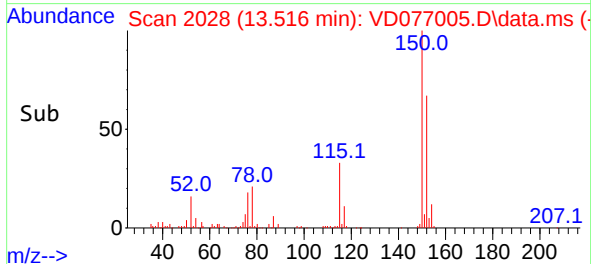


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Instrument :
MSVOA_D
ClientSampleId :
20071

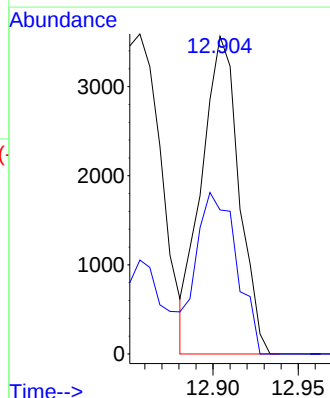
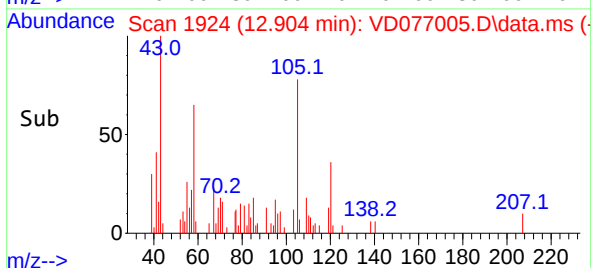
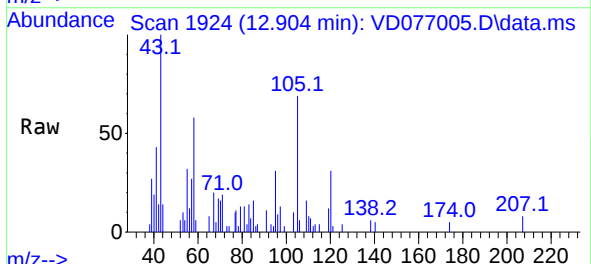


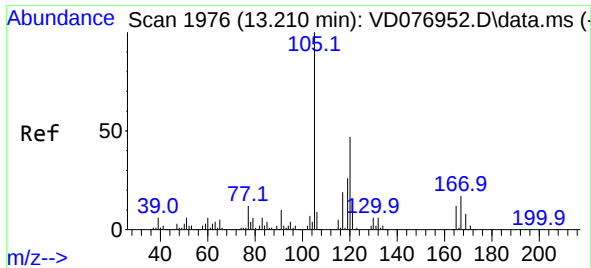
Tgt Ion:152 Resp: 67749
Ion Ratio Lower Upper
152 100
115 54.4 27.1 81.3
150 150.4 0.0 353.6



#80
1,3,5-Trimethylbenzene
Concen: 1.578 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077005.D
Acq: 14 Aug 2023 17:07

Tgt Ion:105 Resp: 5459
Ion Ratio Lower Upper
105 100
120 54.4 26.4 79.2





#84
 1,2,4-Trimethylbenzene
 Concen: 4.881 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VD077005.D
 Acq: 14 Aug 2023 17:07

Instrument :
 MSVOA_D
 ClientSampleId :
 20071

Tgt Ion:105 Resp: 17212
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.3 72.9

