

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051523\
 Data File : VD076116.D
 Acq On : 15 May 2023 14:49
 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: May 16 10:12:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:07:17 2023
 Response via : Initial Calibration

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

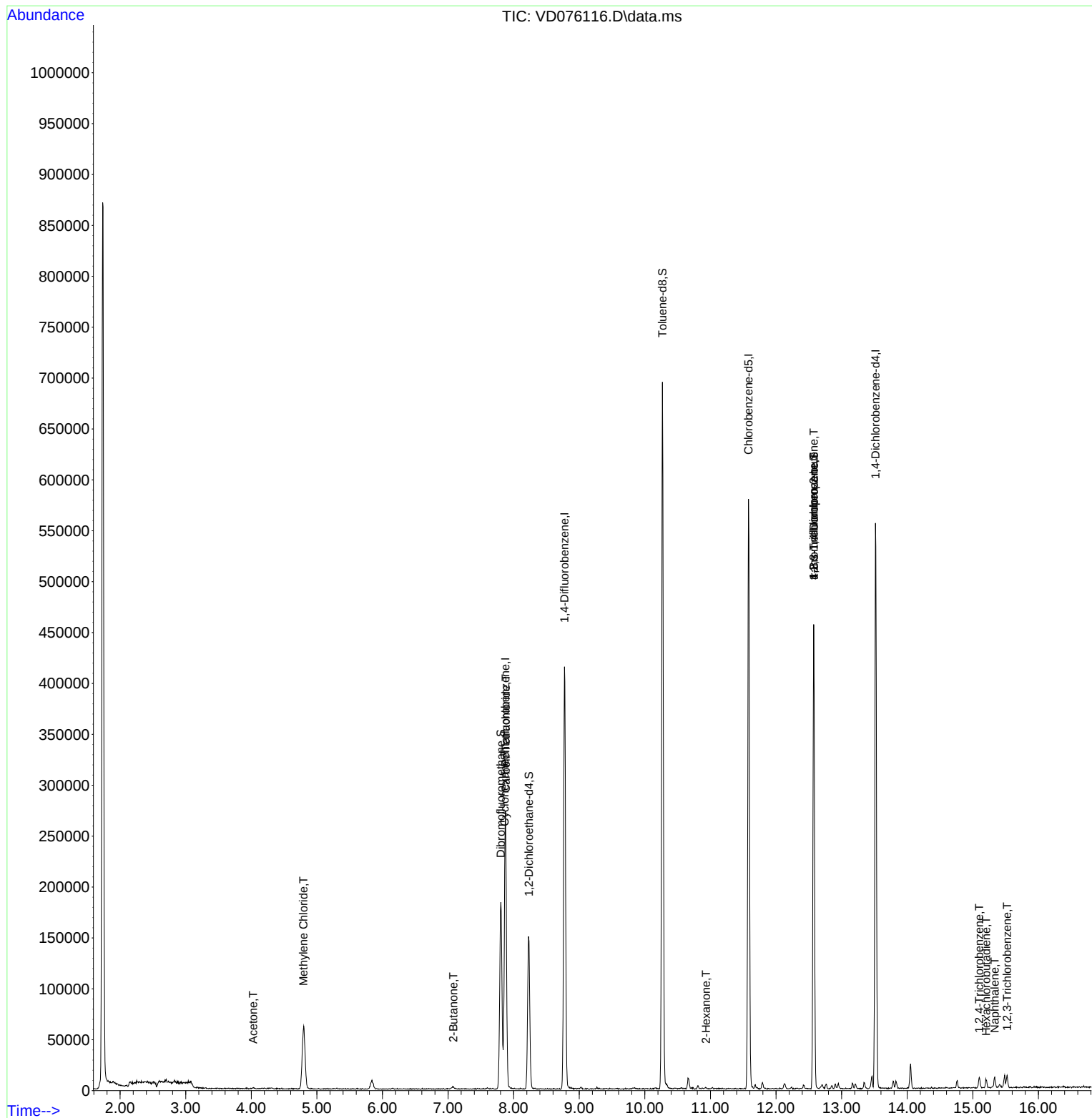
Internal Standards						
1) Pentafluorobenzene	7.875	168	232092	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	403743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	371581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166865	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	115438	51.463	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.920%	
35) Dibromofluoromethane	7.804	113	137012	49.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.200%	
50) Toluene-d8	10.269	98	501390	46.088	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.180%	
62) 4-Bromofluorobenzene	12.575	95	131211	43.418	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.840%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	1676	Below Cal	#	60
16) Acetone	4.028	43	1489	3.336	ug/l #	84
17) Carbon Disulfide	4.269	76	896	Below Cal	#	73
20) Methylene Chloride	4.793	84	53366	7.382	ug/l #	73
25) 2-Butanone	7.081	43	863	1.538	ug/l #	50
31) Cyclohexane	7.863	56	4501	1.310	ug/l #	1
38) Carbon Tetrachloride	7.881	117	19344	5.682	ug/l #	17
59) 2-Hexanone	10.934	43	1300	1.422	ug/l	92
76) 1,2,3-Trichloropropane	12.575	75	64375	44.086	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	64375	92.485	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.098	180	4159	1.362	ug/l	89
94) Hexachlorobutadiene	15.204	225	2248	1.444	ug/l	79
95) Naphthalene	15.333	128	10222	1.802	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	5071	1.826	ug/l	93

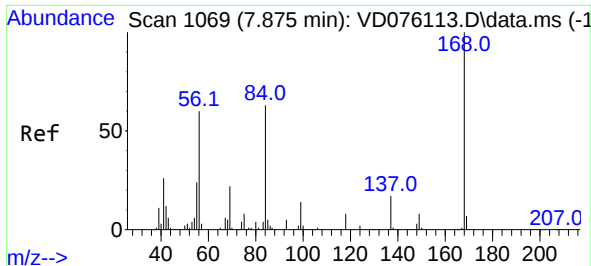
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

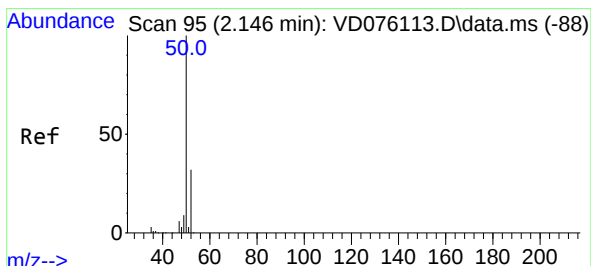
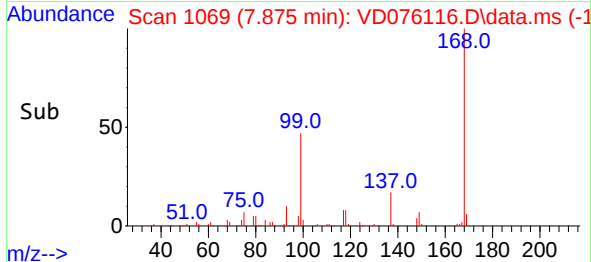
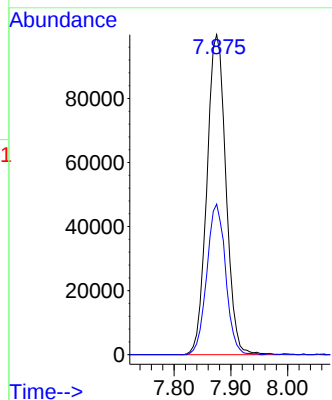
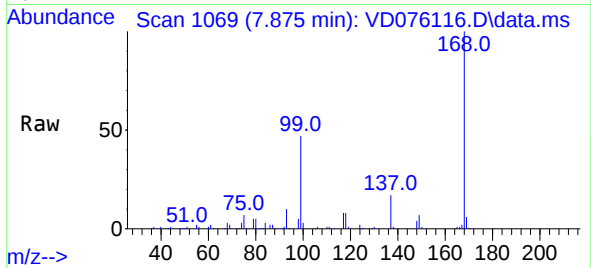




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

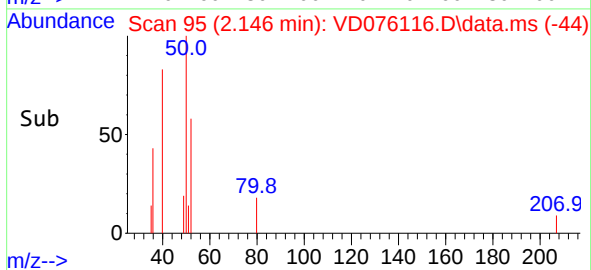
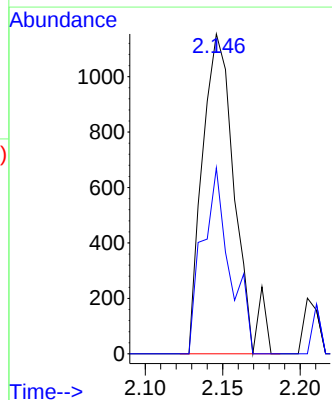
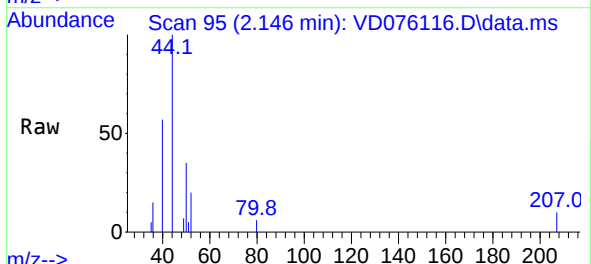
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

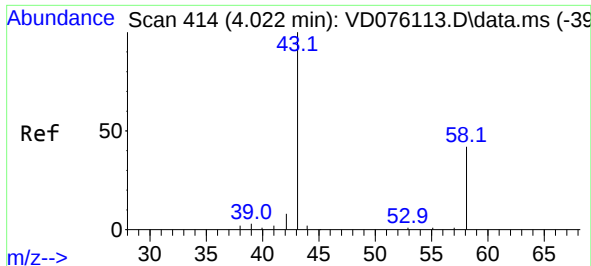
Tgt Ion:168 Resp: 232092
Ion Ratio Lower Upper
168 100
99 47.0 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion: 50 Resp: 1676
Ion Ratio Lower Upper
50 100
52 58.1 27.8 41.8#

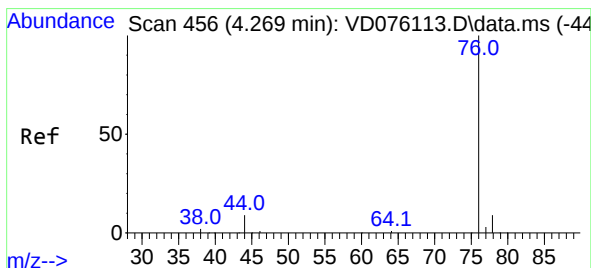
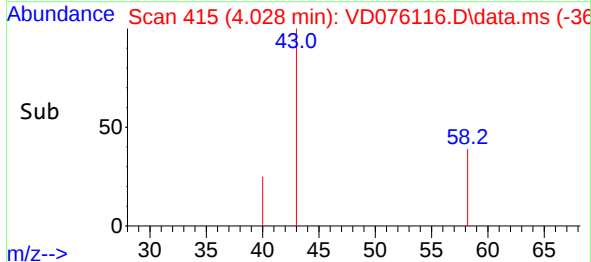
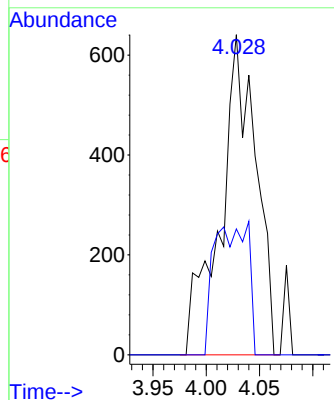
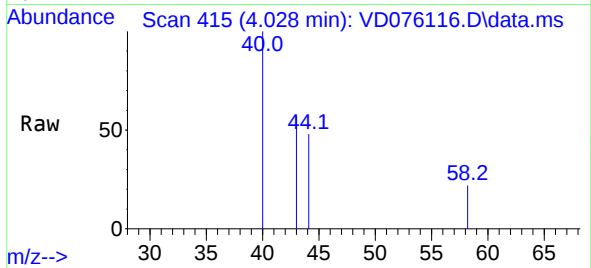




#16
Acetone
Concen: 3.336 ug/l
RT: 4.028 min Scan# 414
Delta R.T. 0.006 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

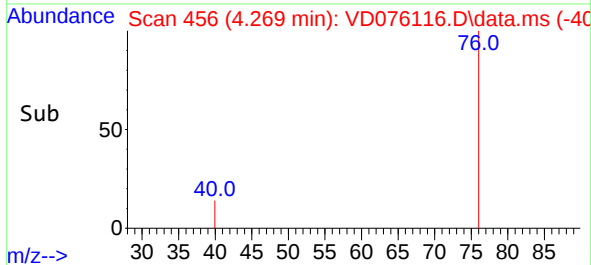
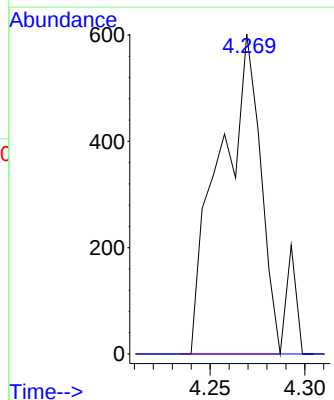
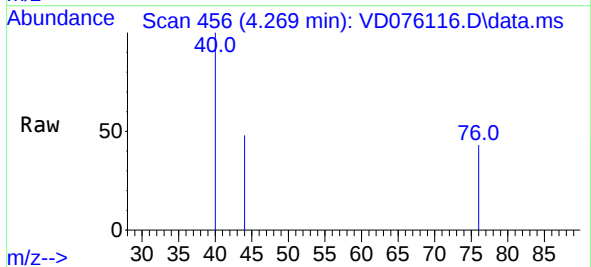
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

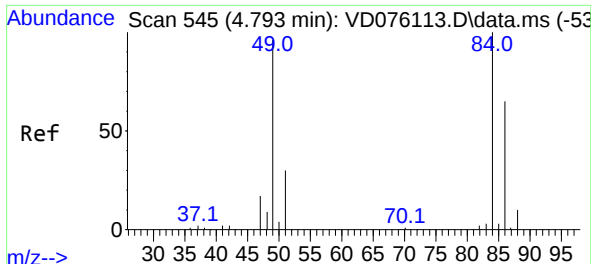
Tgt Ion: 43 Resp: 1489
Ion Ratio Lower Upper
43 100
58 39.3 24.4 36.6#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.269 min Scan# 456
Delta R.T. 0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion: 76 Resp: 896
Ion Ratio Lower Upper
76 100
78 0.0 8.0 12.0#

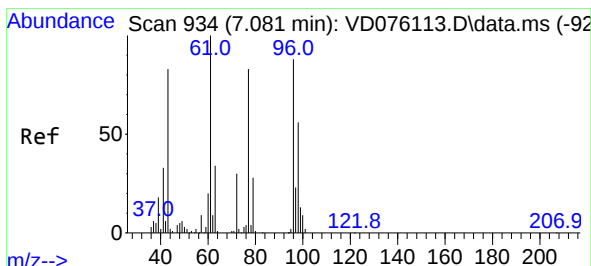
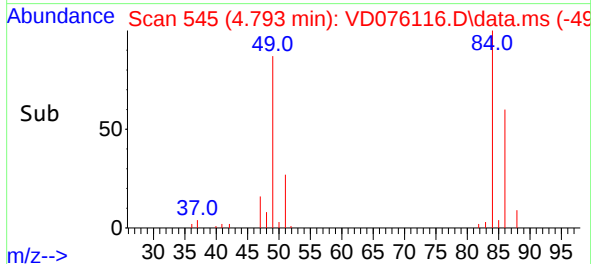
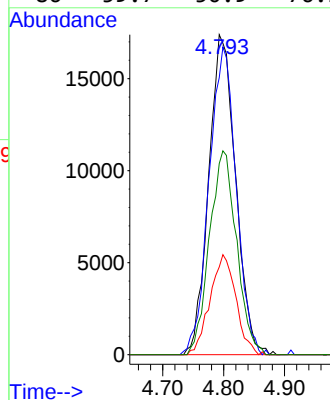
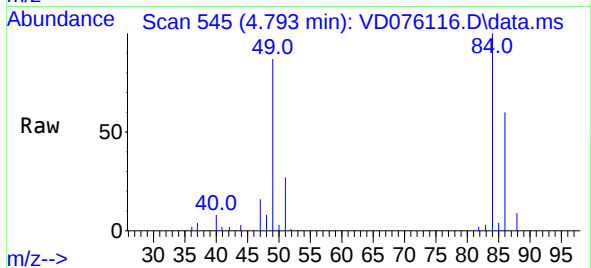




#20
Methylene Chloride
Concen: 7.382 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

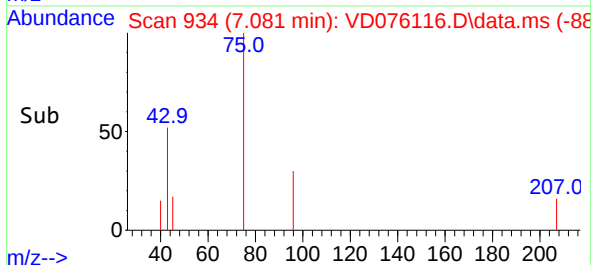
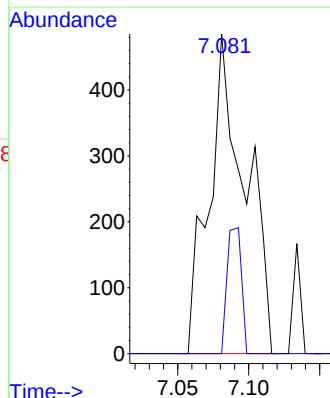
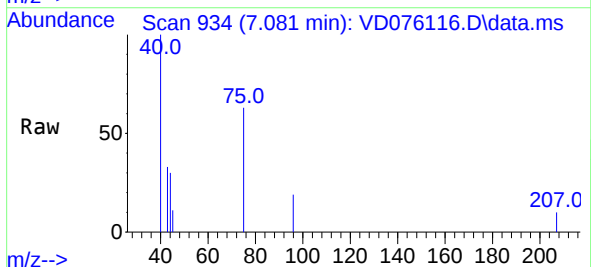
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

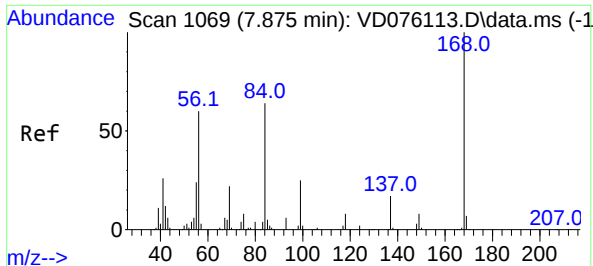
Tgt Ion:	84	Resp:	53366
Ion	Ratio	Lower	Upper
84	100		
49	86.5	106.4	159.6#
51	27.4	32.4	48.6#
86	59.7	50.9	76.3



#25
2-Butanone
Concen: 1.538 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion:	43	Resp:	863
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.8	29.8#

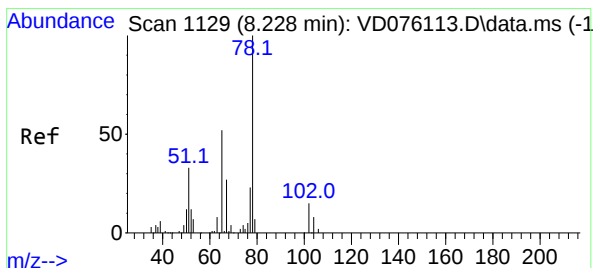
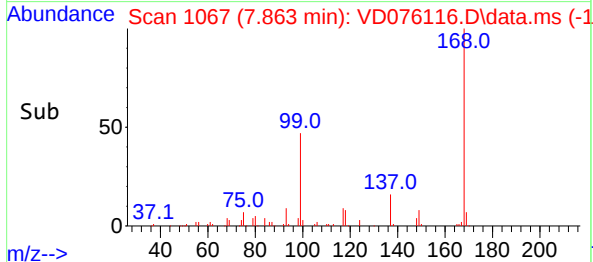
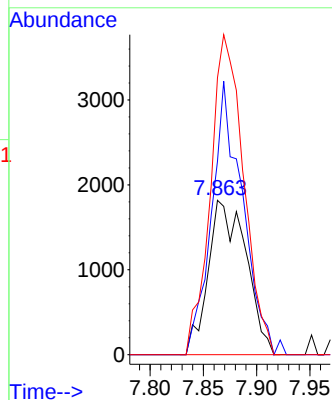
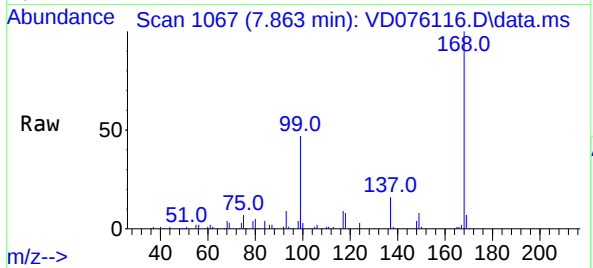




#31
Cyclohexane
Concen: 1.310 ug/l
RT: 7.863 min Scan# 1130
Delta R.T. -0.012 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

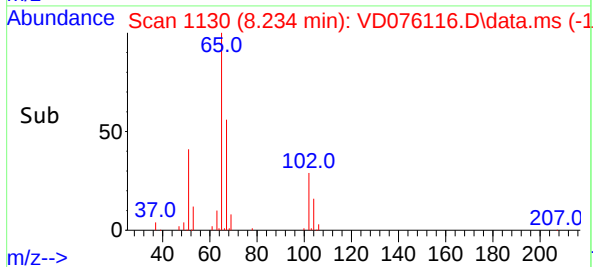
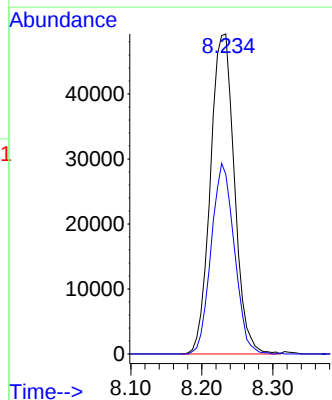
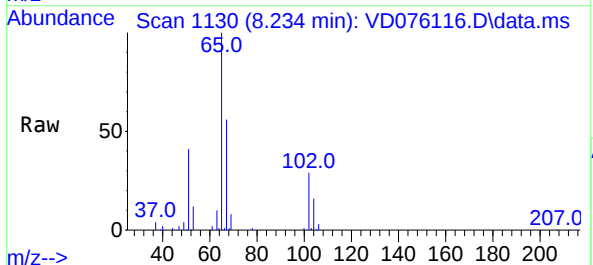
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

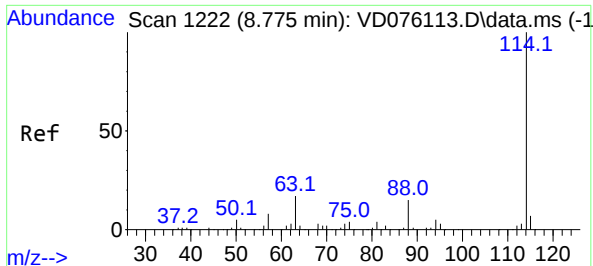
Tgt Ion: 56 Resp: 4501
Ion Ratio Lower Upper
56 100
69 125.4 25.5 38.3#
84 179.5 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 51.463 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion: 65 Resp: 115438
Ion Ratio Lower Upper
65 100
67 57.5 0.0 102.2

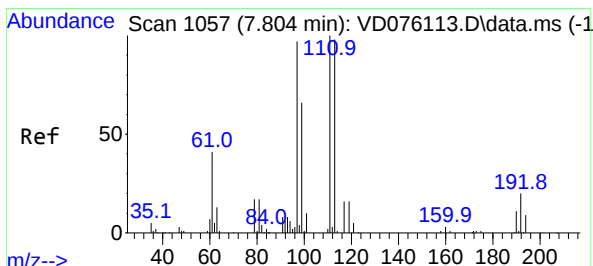
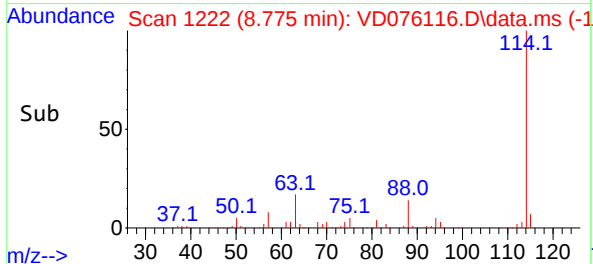
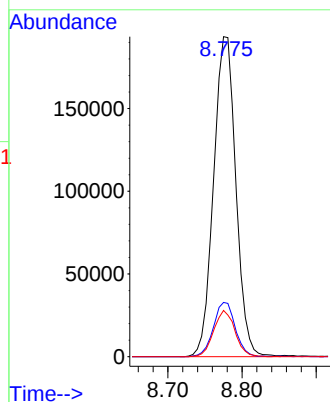
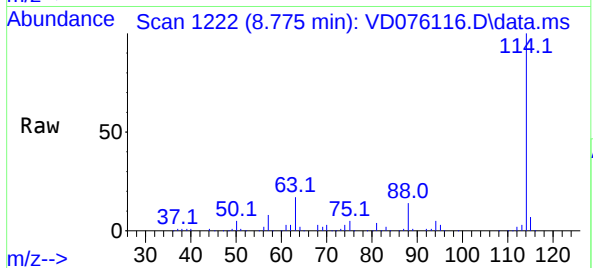




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

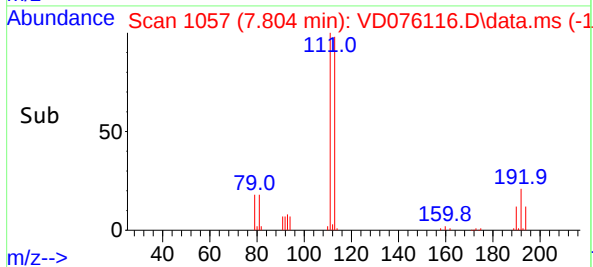
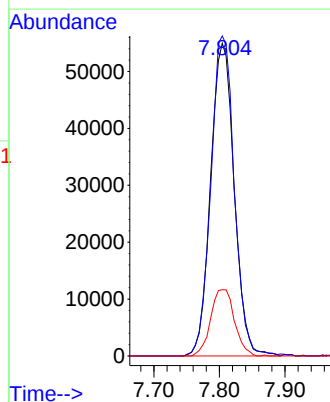
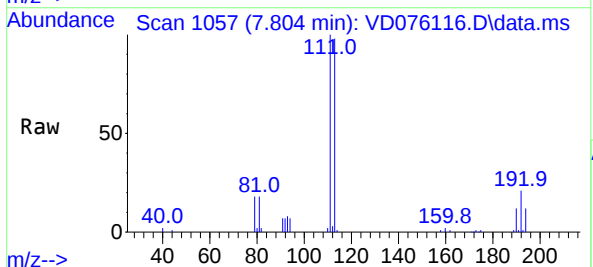
Instrument :
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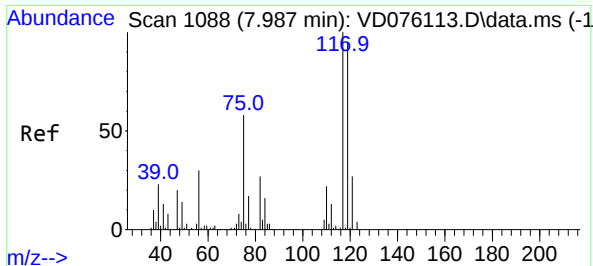
Tgt Ion:114 Resp: 403743
Ion Ratio Lower Upper
114 100
63 17.0 0.0 41.6
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.095 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion:113 Resp: 137012
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 21.4 15.2 22.8





#38

Carbon Tetrachloride

Concen: 5.682 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.112 min

Lab File: VD076116.D

Acq: 15 May 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

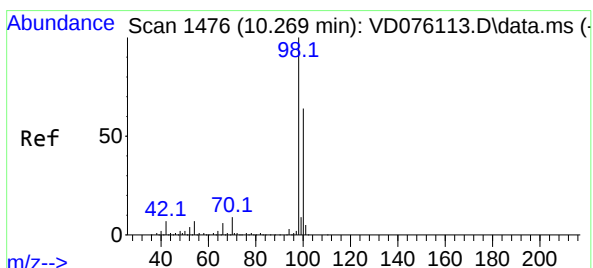
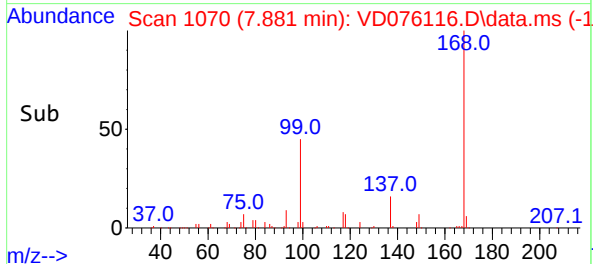
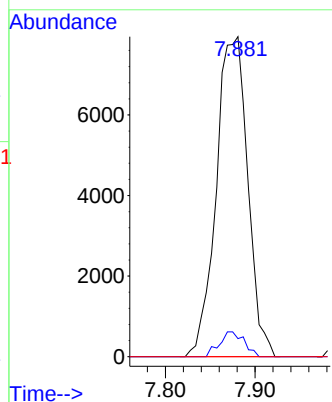
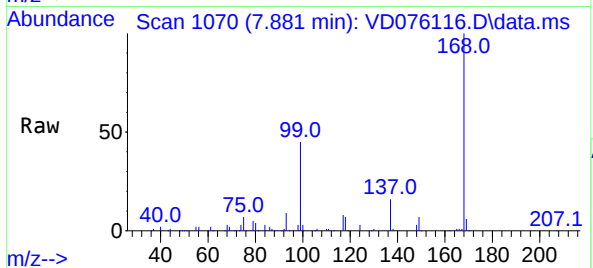
Tgt Ion:117 Resp: 19344

Ion Ratio Lower Upper

117 100

119 5.7 74.7 112.1#

121 0.0 25.9 38.9#



#50

Toluene-d8

Concen: 46.088 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076116.D

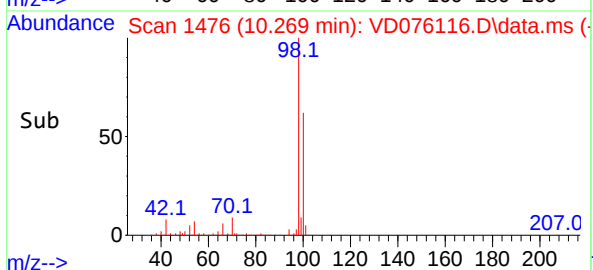
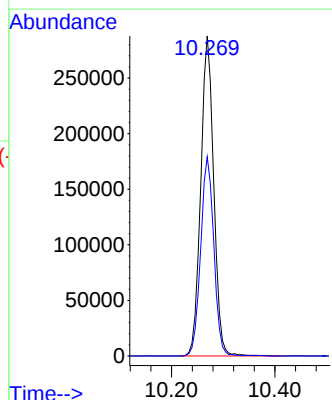
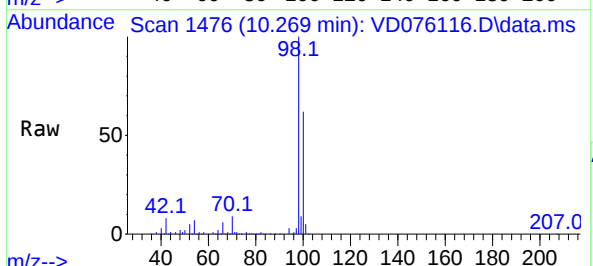
Acq: 15 May 2023 14:49

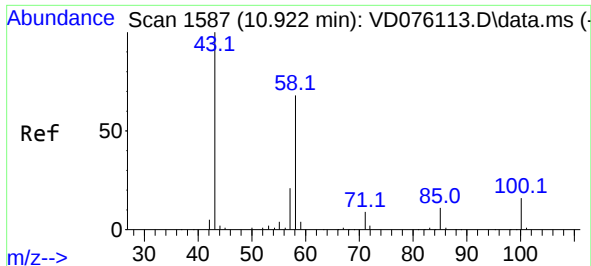
Tgt Ion: 98 Resp: 501390

Ion Ratio Lower Upper

98 100

100 63.1 52.1 78.1





#59

2-Hexanone

Concen: 1.422 ug/l

RT: 10.934 min Scan# 1589

Delta R.T. 0.012 min

Lab File: VD076116.D

Acq: 15 May 2023 14:49

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MSVOA_D

ClientSampleId :

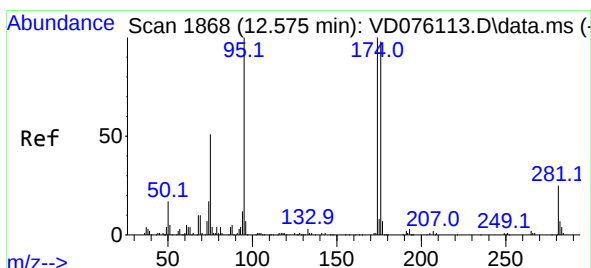
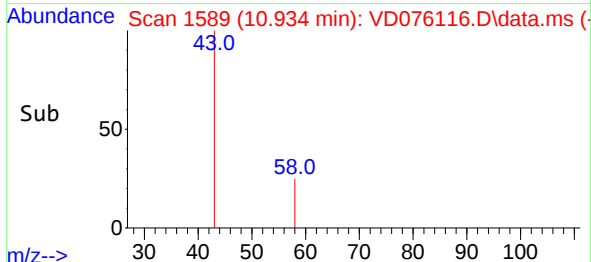
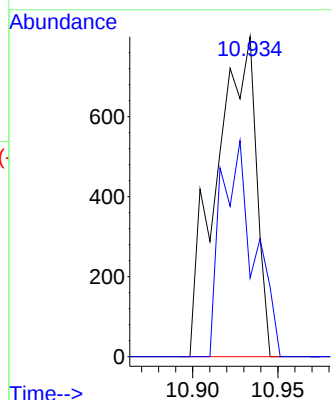
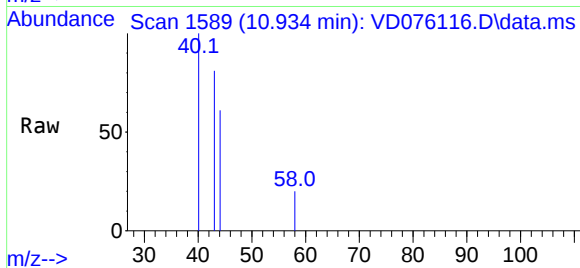
VIBLK

Tgt Ion: 43 Resp: 1300

Ion Ratio Lower Upper

43 100

58 55.8 25.3 75.8



#62

4-Bromofluorobenzene

Concen: 43.418 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076116.D

Acq: 15 May 2023 14:49

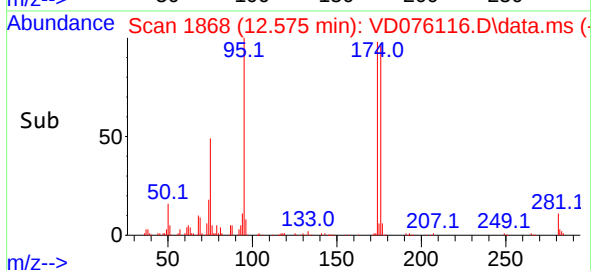
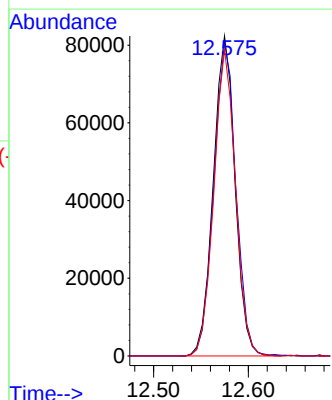
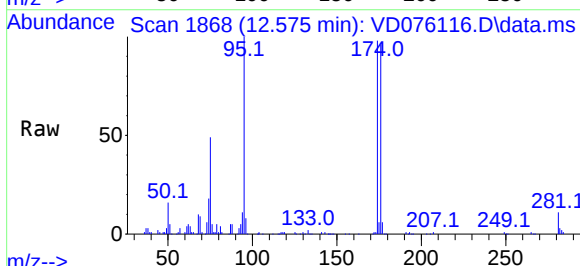
Tgt Ion: 95 Resp: 131211

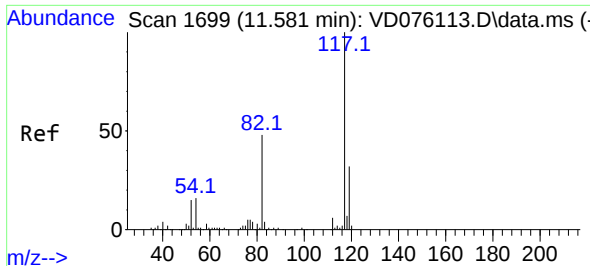
Ion Ratio Lower Upper

95 100

174 100.0 0.0 164.0

176 95.5 0.0 156.8

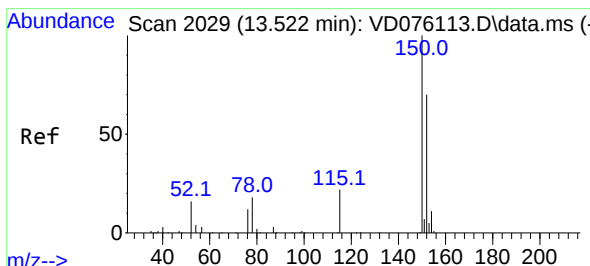
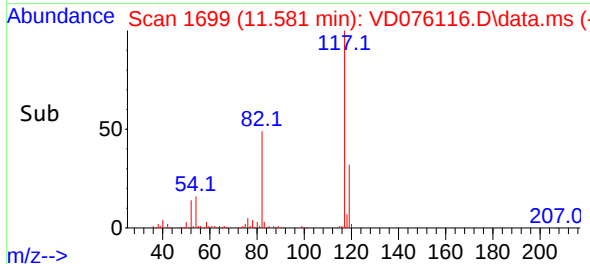
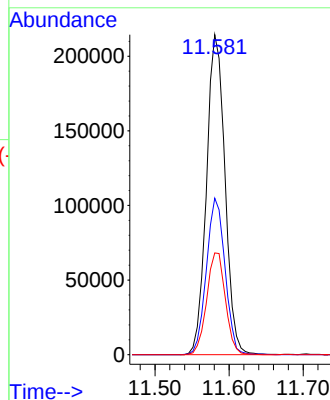
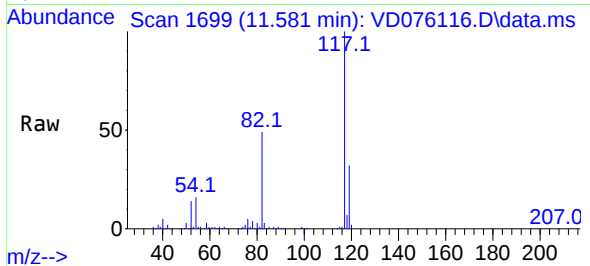




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

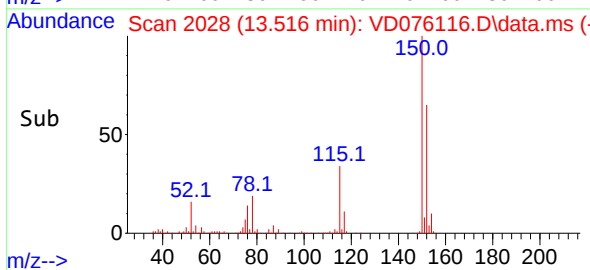
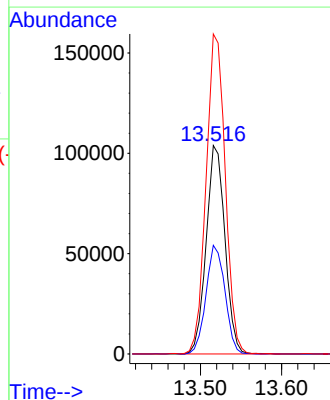
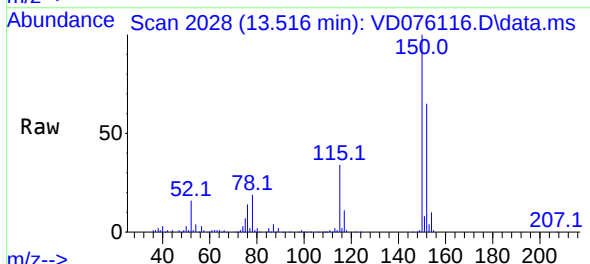
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

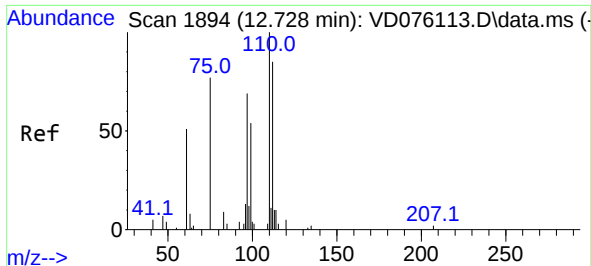
Tgt Ion:	117	Resp:	371581
Ion	Ratio	Lower	Upper
117	100		
82	48.9	44.0	66.0
119	31.8	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion:	152	Resp:	166865
Ion	Ratio	Lower	Upper
152	100		
115	52.6	30.1	90.3
150	156.7	0.0	364.8

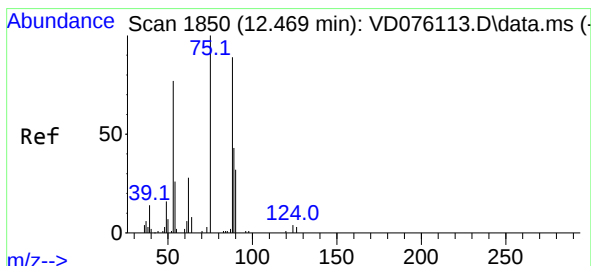
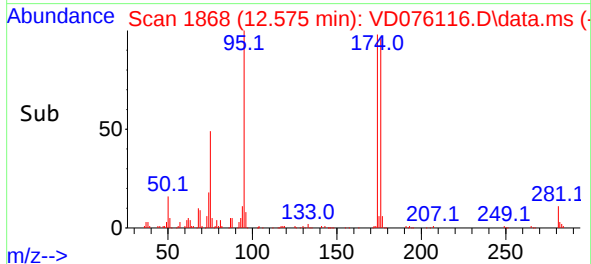
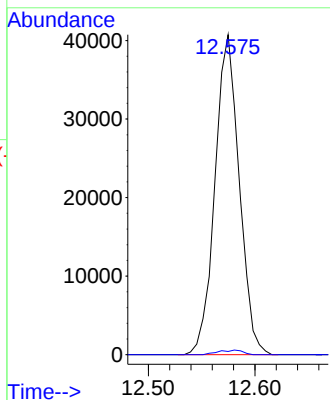
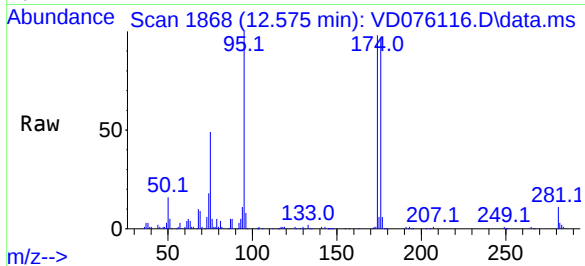




#76
1,2,3-Trichloropropane
Concen: 44.086 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

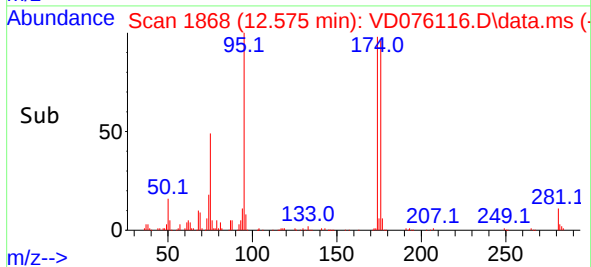
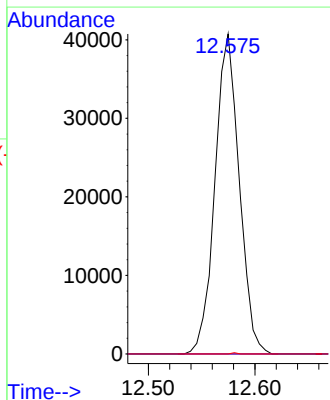
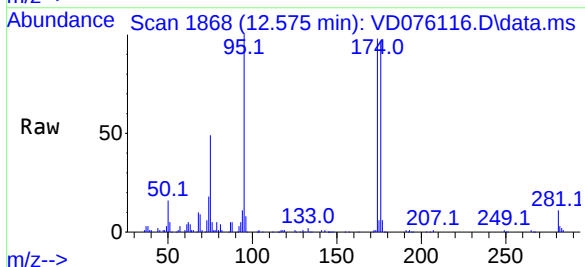
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

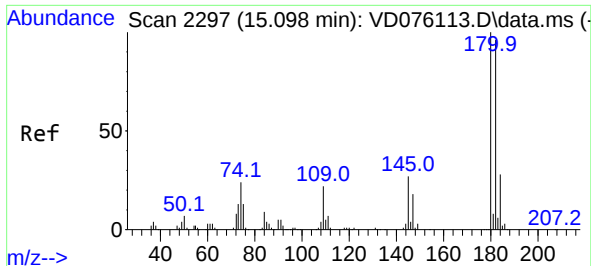
Tgt Ion: 75 Resp: 64375
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.485 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

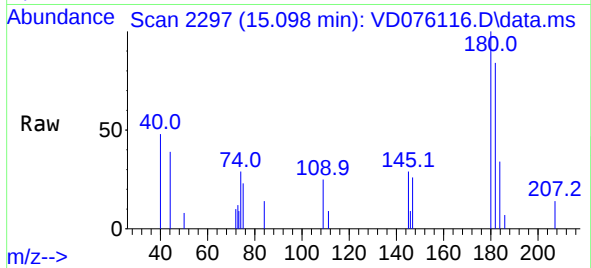
Tgt Ion: 75 Resp: 64375
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 40.2 60.4#





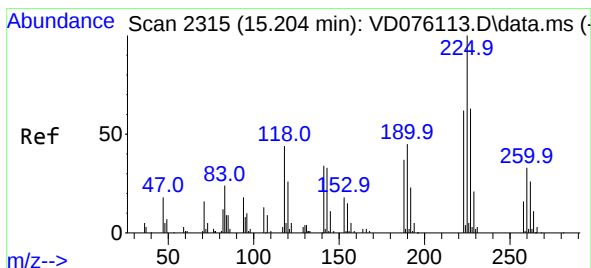
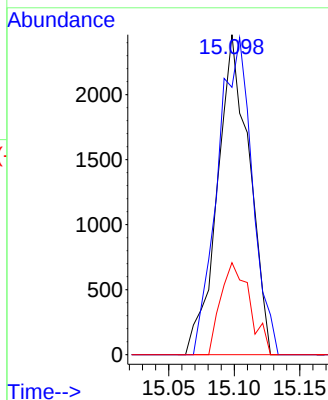
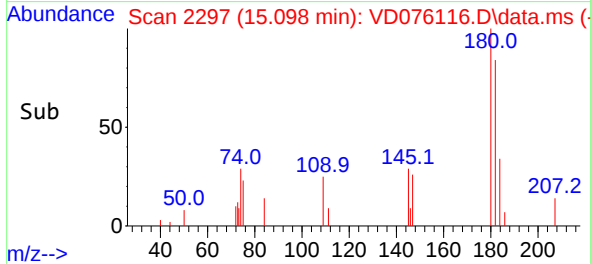
#93
 1,2,4-Trichlorobenzene
 Concen: 1.362 ug/l
 RT: 15.098 min Scan# 2297
 Delta R.T. -0.006 min
 Lab File: VD076116.D
 Acq: 15 May 2023 14:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

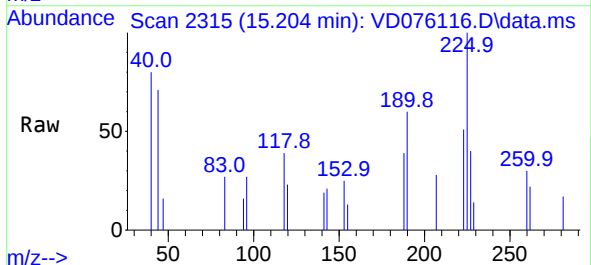


Tgt Ion:180 Resp: 4159

Ion	Ratio	Lower	Upper
180	100		
182	107.3	47.9	143.7
145	26.2	15.9	47.7

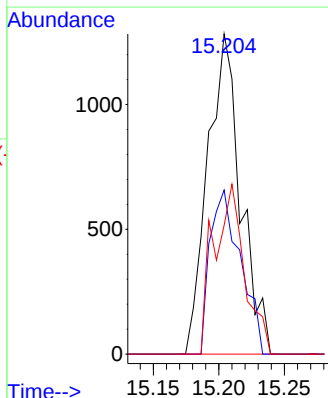
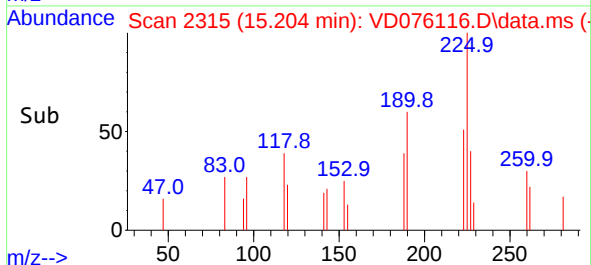


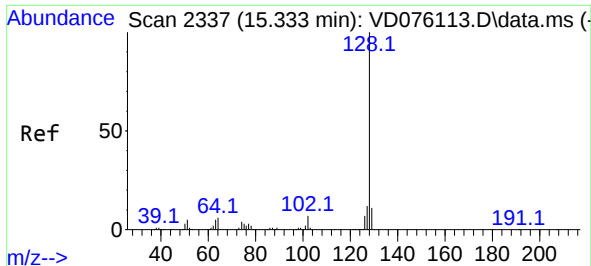
#94
 Hexachlorobutadiene
 Concen: 1.444 ug/l
 RT: 15.204 min Scan# 2315
 Delta R.T. 0.000 min
 Lab File: VD076116.D
 Acq: 15 May 2023 14:49



Tgt Ion:225 Resp: 2248

Ion	Ratio	Lower	Upper
225	100		
223	47.1	33.1	99.2
227	49.0	31.9	95.9

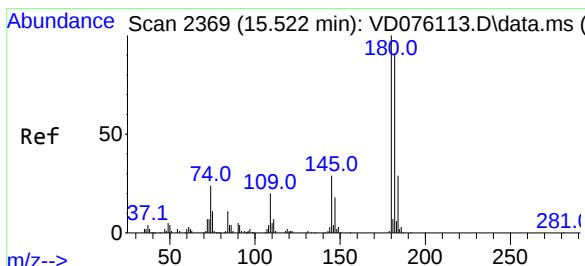
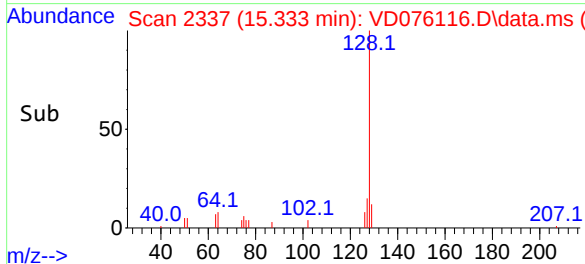
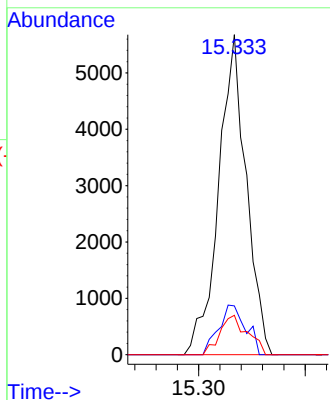
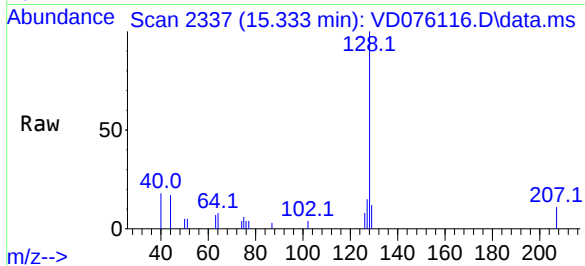




#95
Naphthalene
Concen: 1.802 ug/l
RT: 15.333 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Instrument :
MSVOA_D
ClientSampleId :
VIBLK

Tgt Ion:	128	Resp:	10222
Ion	Ratio	Lower	Upper
128	100		
127	15.2	10.4	15.6
129	12.3	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.826 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD076116.D
Acq: 15 May 2023 14:49

Tgt Ion:	180	Resp:	5071
Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.7	143.1
145	27.9	16.4	49.4

