

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012722\
 Data File : VD071801.D
 Acq On : 27 Jan 2022 14:58
 Operator : VA/SY
 Sample : N1208-03RE
 Misc : 5.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP25-07-20220119-26.0-26.5RE

Quant Time: Jan 27 15:39:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

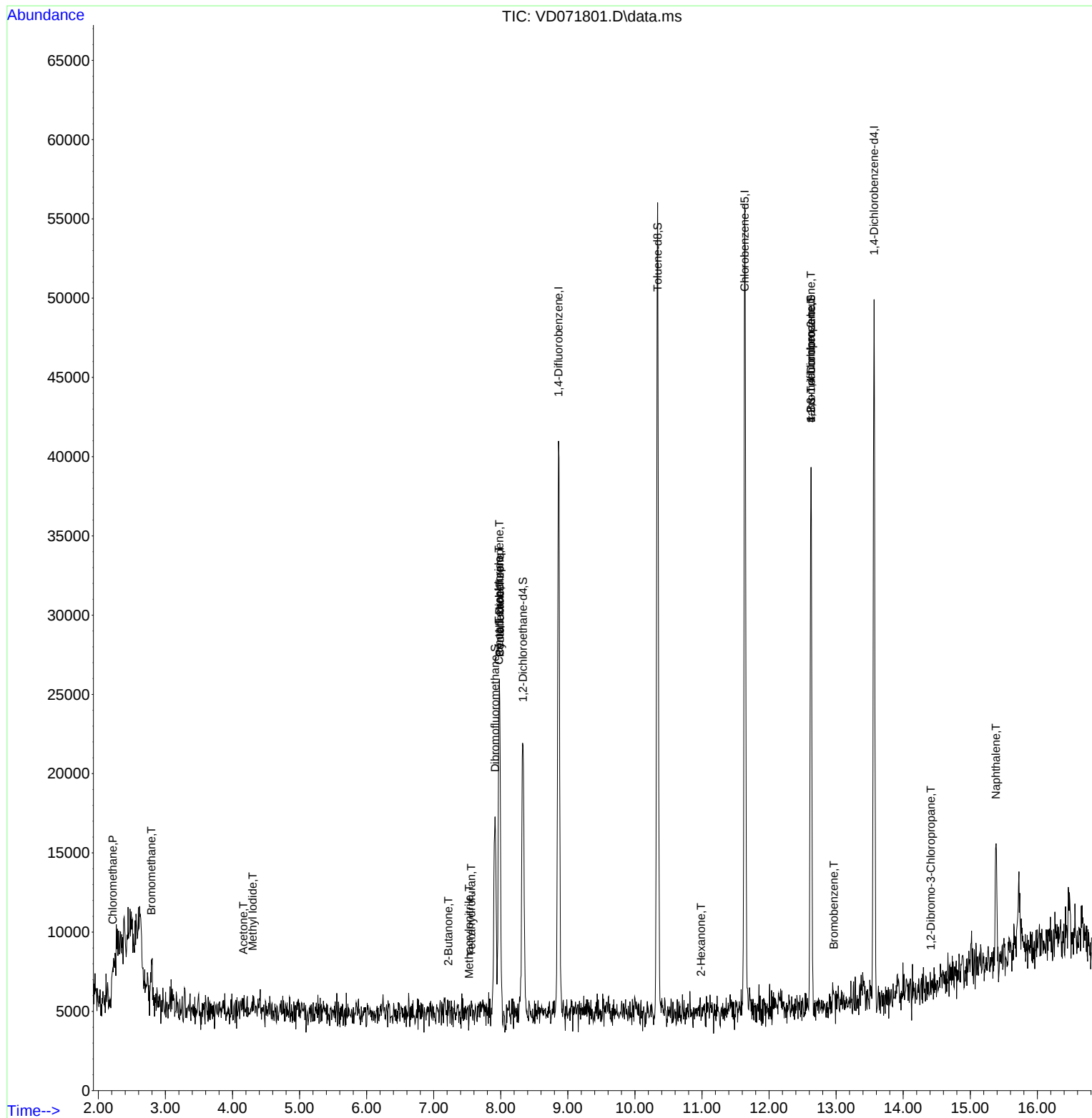
Internal Standards						
1) Pentafluorobenzene	7.985	168	14478	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	27890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	27019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	14719	80.434	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 160.860%	
35) Dibromofluoromethane	7.914	113	8712	47.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.040%	
50) Toluene-d8	10.337	98	34035	49.710	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.420%	
62) 4-Bromofluorobenzene	12.626	95	10801	45.174	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.214	50	943	4.588	ug/l #	71
5) Bromomethane	2.791	94	1683	11.853	ug/l #	80
10) Methyl Iodide	4.302	142	481	2.697	ug/l #	77
16) Acetone	4.161	43	2016	40.245	ug/l	97
20) Methylene Chloride	4.979	84	276	Below Cal	#	39
25) 2-Butanone	7.220	43	82	1.404	ug/l #	52
29) Tetrahydrofuran	7.561	42	57	1.650	ug/l #	38
31) Cyclohexane	7.985	56	442	1.265	ug/l #	55
36) 1,1-Dichloropropene	7.979	75	1336	4.246	ug/l #	43
38) Carbon Tetrachloride	7.973	117	1881	6.045	ug/l #	31
41) Methacrylonitrile	7.526	41	114	1.377	ug/l #	27
59) 2-Hexanone	10.984	43	267	2.674	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	6736	59.937	ug/l #	100
77) Bromobenzene	12.967	156	530	2.885	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	6736	147.370	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.414	75	55	2.173	ug/l #	6
95) Naphthalene	15.384	128	6979	19.746	ug/l #	93

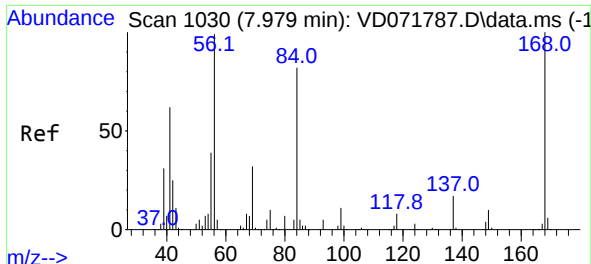
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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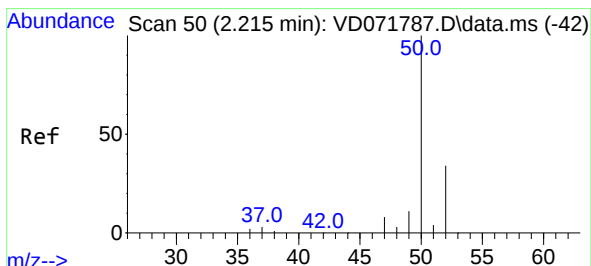
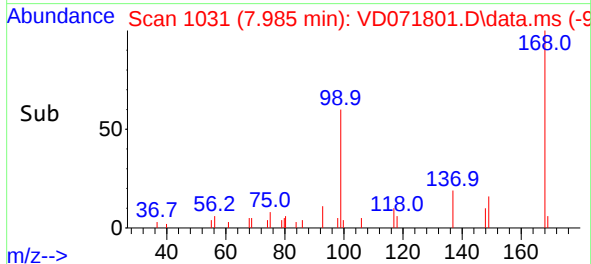
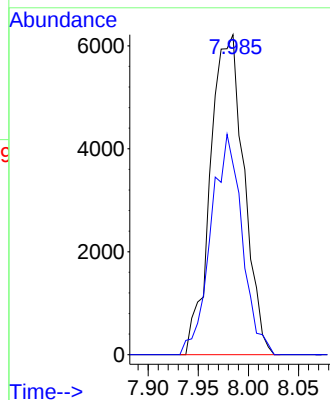
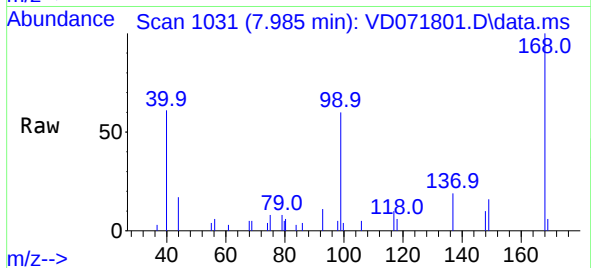




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

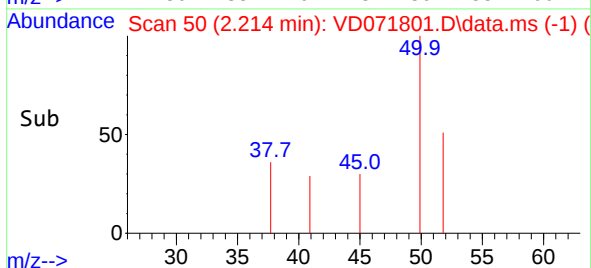
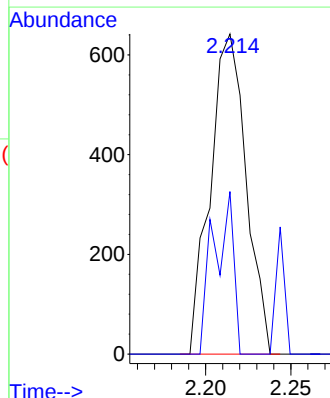
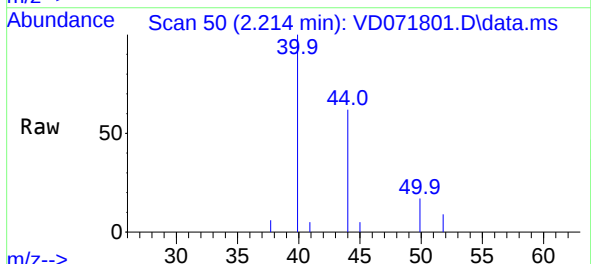
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

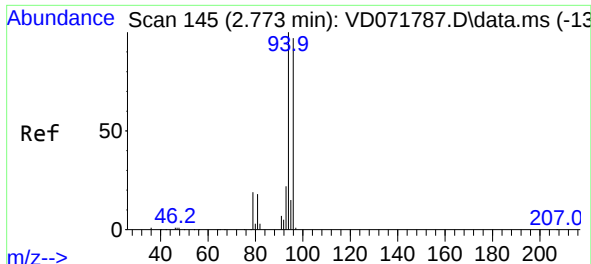
Tgt Ion:168 Resp: 14478
Ion Ratio Lower Upper
168 100
99 59.5 49.8 74.6



#3
Chloromethane
Concen: 4.588 ug/l
RT: 2.214 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 50.8 27.4 41.0#

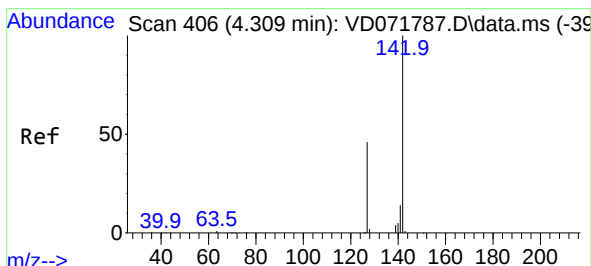
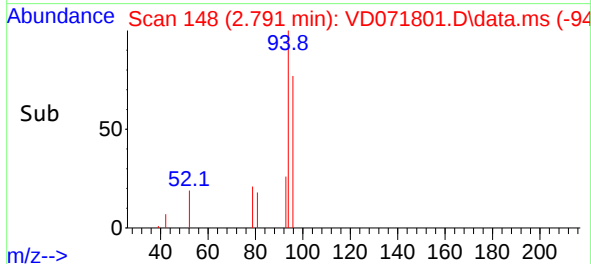
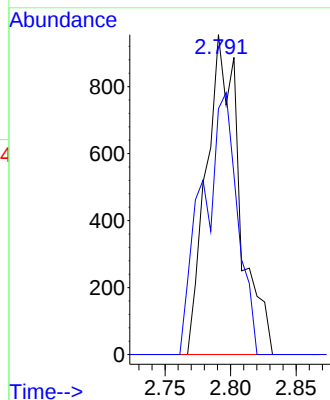
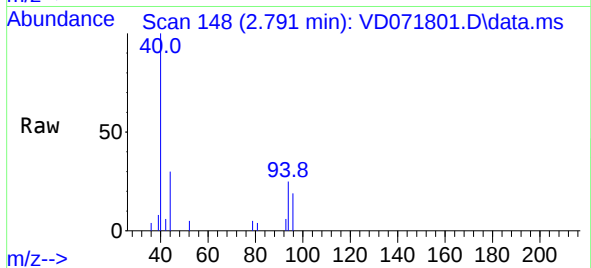




#5
Bromomethane
Concen: 11.853 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.017 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

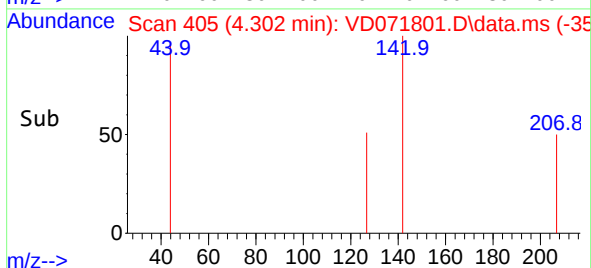
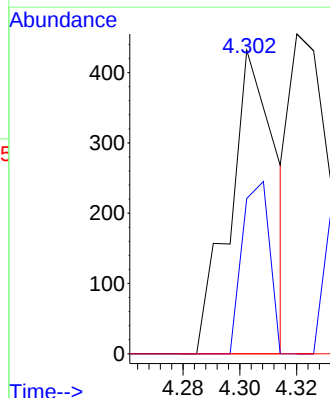
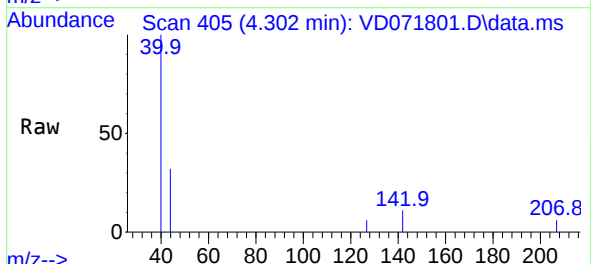
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

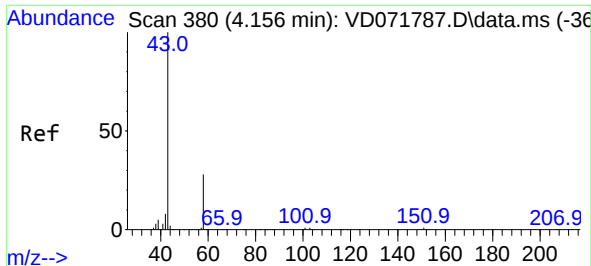
Tgt Ion: 94 Resp: 1683
Ion Ratio Lower Upper
94 100
96 76.9 77.6 116.4#



#10
Methyl Iodide
Concen: 2.697 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 142 Resp: 481
Ion Ratio Lower Upper
142 100
127 34.1 37.3 55.9#
141 0.0 11.7 17.5#

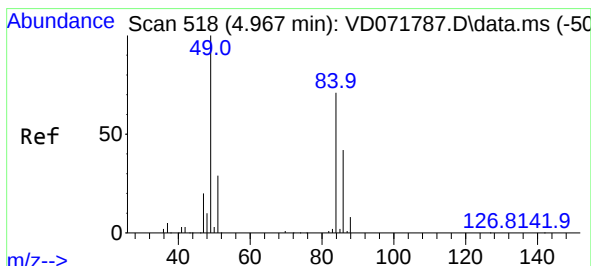
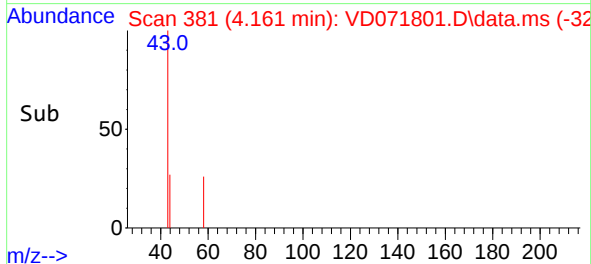
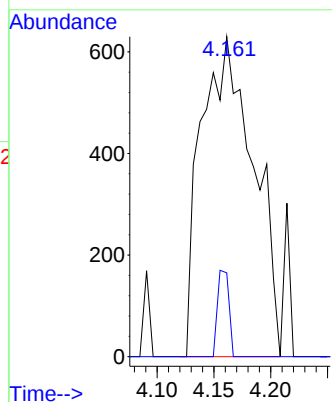
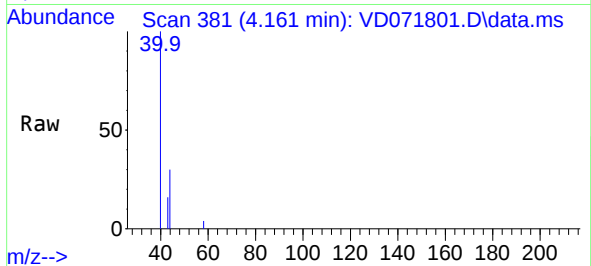




#16
Acetone
Concen: 40.245 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

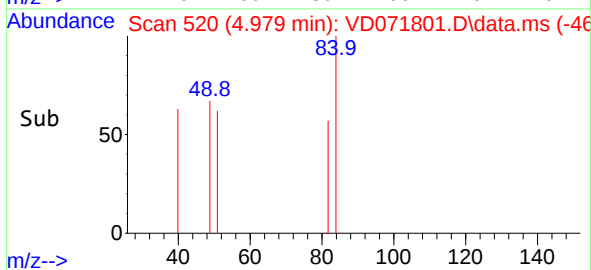
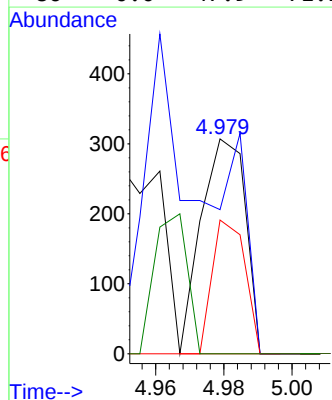
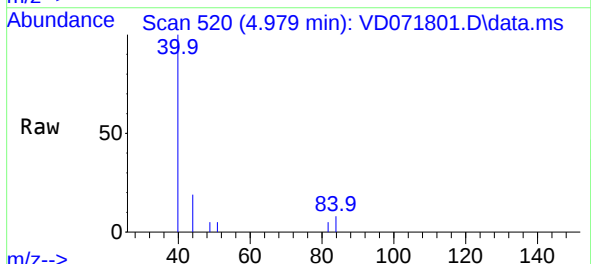
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

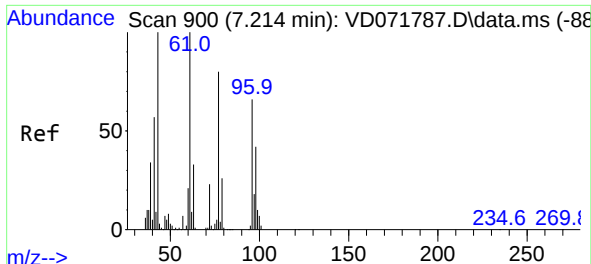
Tgt Ion: 43 Resp: 2016
Ion Ratio Lower Upper
43 100
58 26.2 22.1 33.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.011 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 84 Resp: 276
Ion Ratio Lower Upper
84 100
49 67.1 112.8 169.2#
51 62.2 32.6 48.8#
86 0.0 47.9 71.9#





#25

2-Butanone

Concen: 1.404 ug/l

RT: 7.220 min Scan# 900

Delta R.T. 0.005 min

Lab File: VD071801.D

Acq: 27 Jan 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

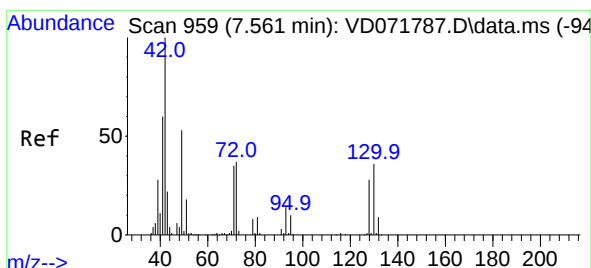
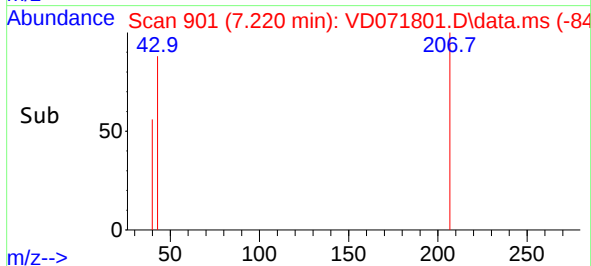
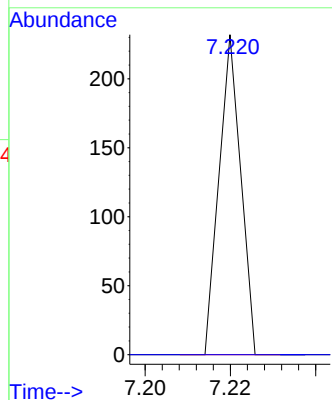
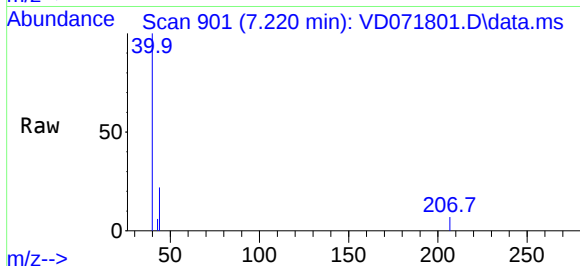
SP25-07-20220119-26.0-26.5RE

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#29

Tetrahydrofuran

Concen: 1.650 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD071801.D

Acq: 27 Jan 2022 14:58

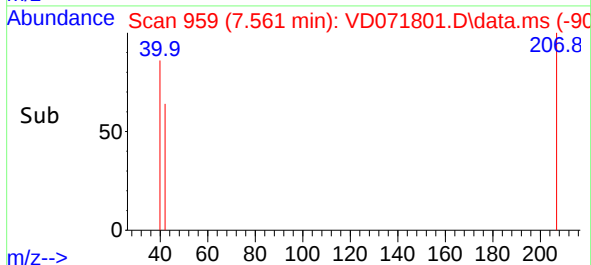
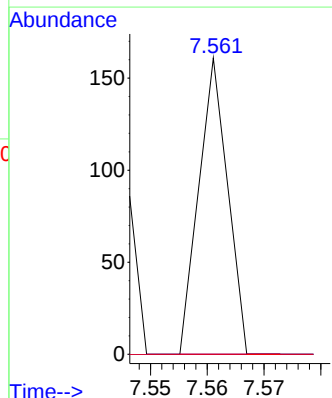
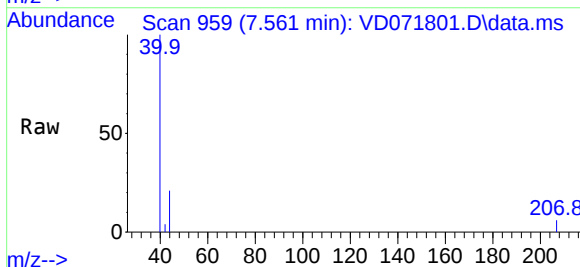
Tgt Ion: 42 Resp: 57

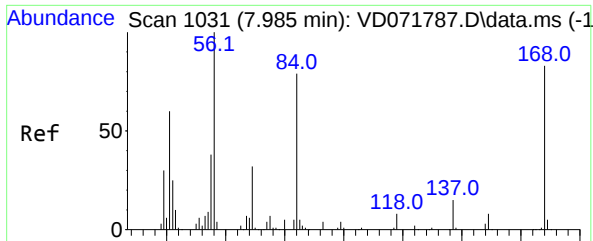
Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

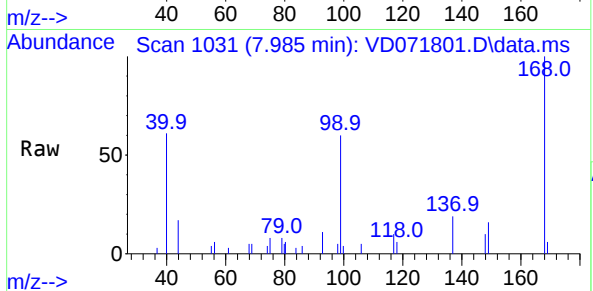
71 0.0 28.6 43.0#



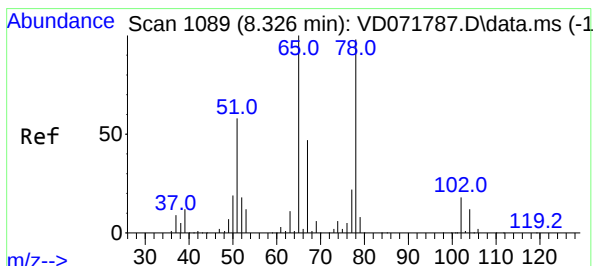
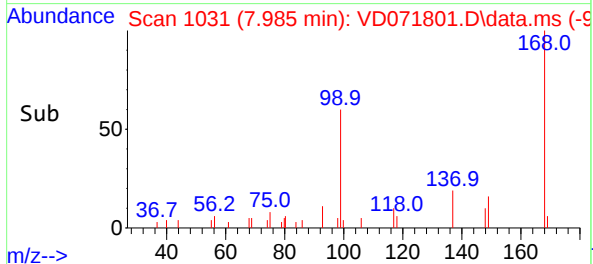
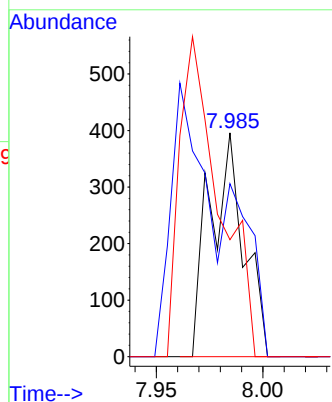


#31
Cyclohexane
Concen: 1.265 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Instrument : MSVOA_D
ClientSampleId : SP25-07-20220119-26.0-26.5RE

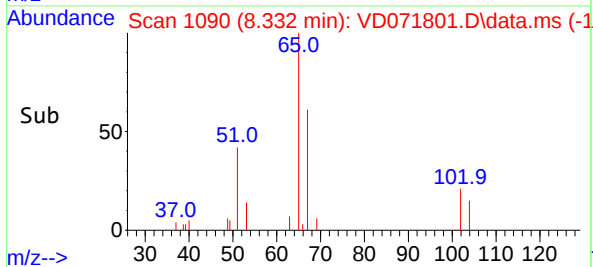
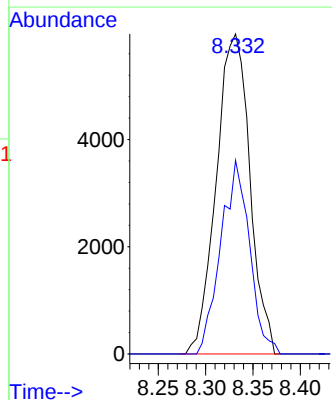
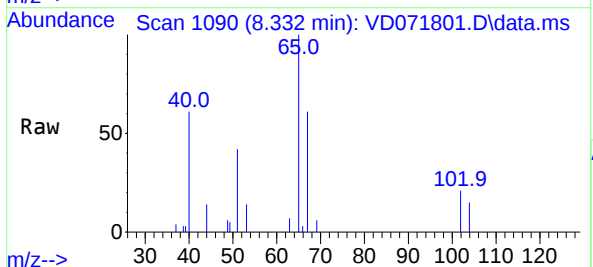


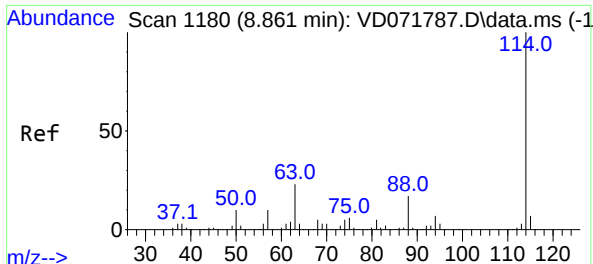
Tgt Ion: 56 Resp: 442
Ion Ratio Lower Upper
56 100
69 77.3 25.4 38.2#
84 52.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 80.434 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 65 Resp: 14719
Ion Ratio Lower Upper
65 100
67 51.8 0.0 101.4

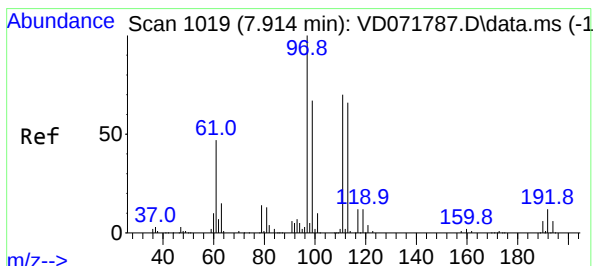
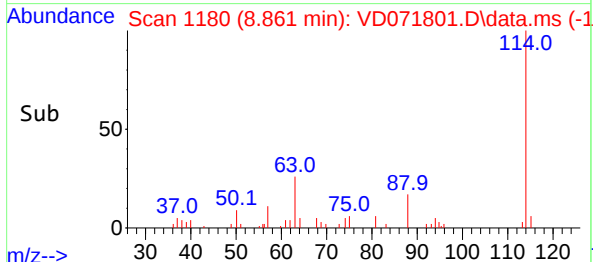
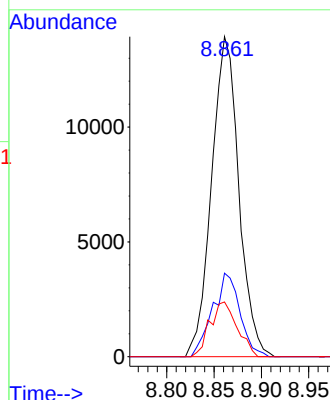
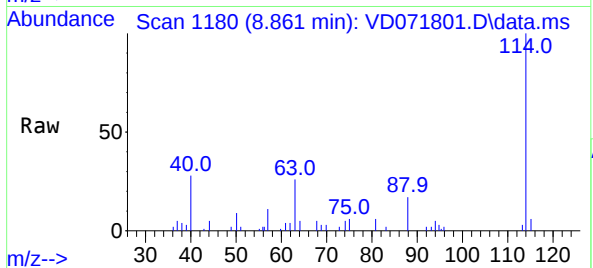




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

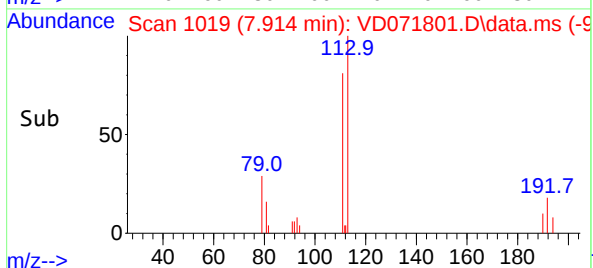
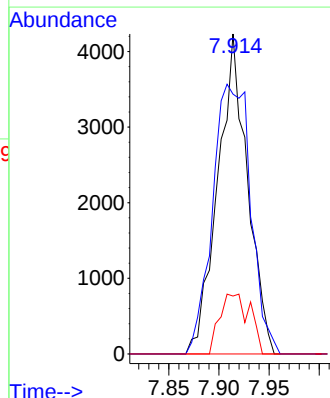
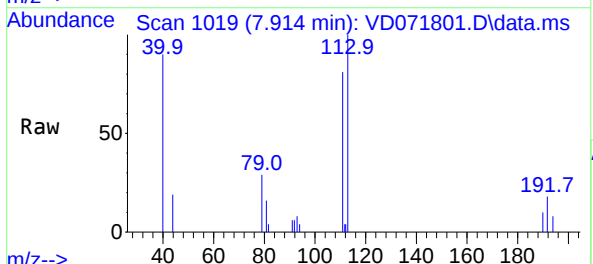
Instrument :
MSVOA_D
ClientSampleId :
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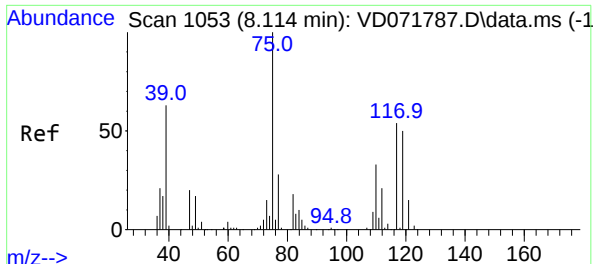
Tgt Ion:	114	Resp:	27890
Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	46.6
88	17.1	0.0	33.2



#35
Dibromofluoromethane
Concen: 47.521 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

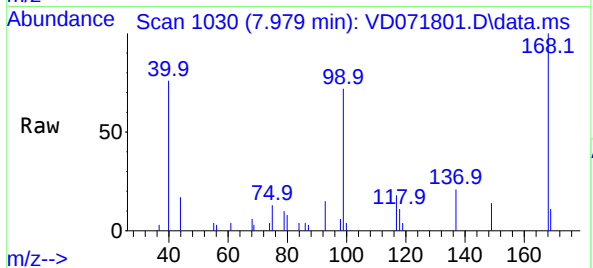
Tgt Ion:	113	Resp:	8712
Ion	Ratio	Lower	Upper
113	100		
111	108.4	83.8	125.6
192	19.0	14.6	21.8



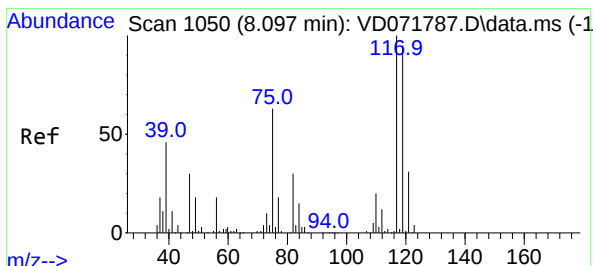
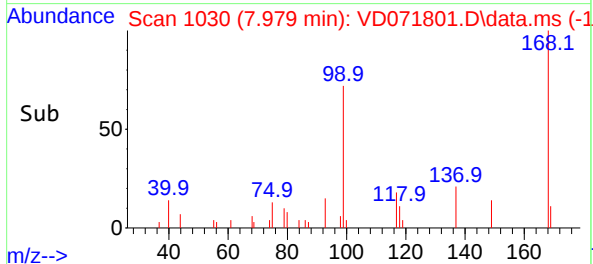
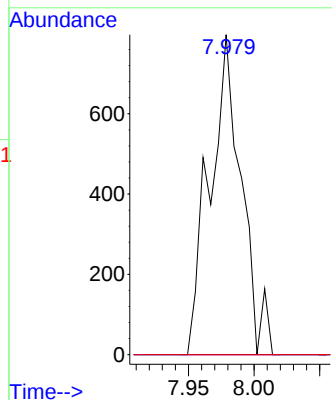


#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Instrument : MSVOA_D
ClientSampleId : SP25-07-20220119-26.0-26.5RE

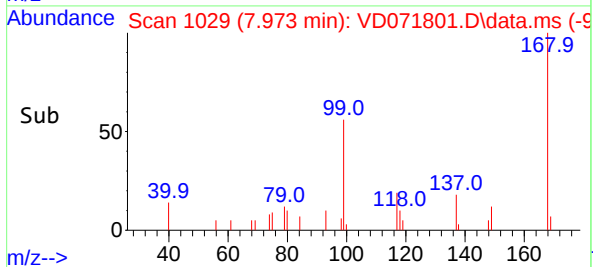
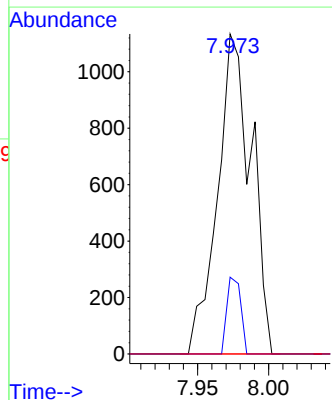
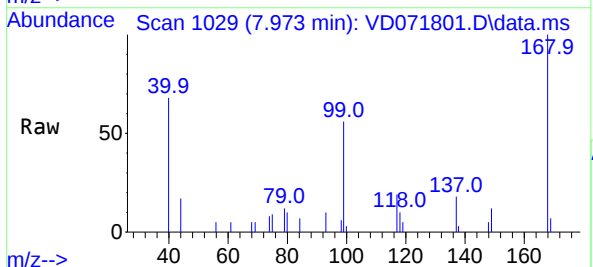


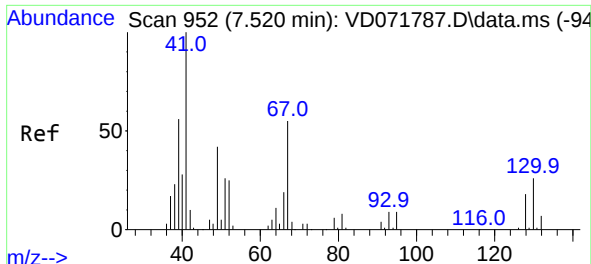
Tgt Ion: 75 Resp: 1336
Ion Ratio Lower Upper
75 100
110 0.0 16.4 49.1#
77 0.0 24.2 36.2#



#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 117 Resp: 1881
Ion Ratio Lower Upper
117 100
119 24.0 75.8 113.6#
121 0.0 24.5 36.7#

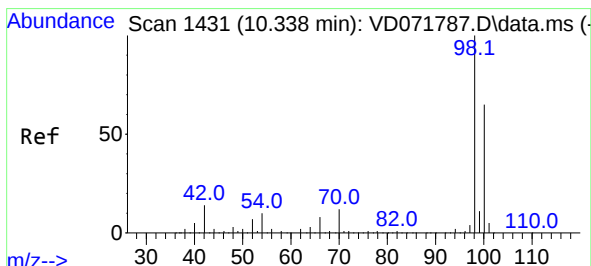
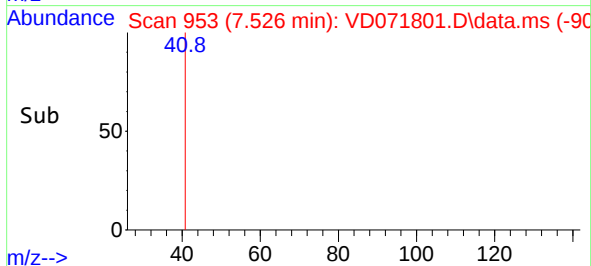
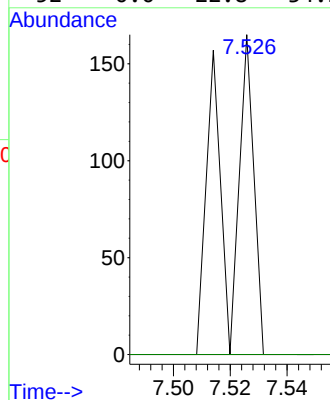
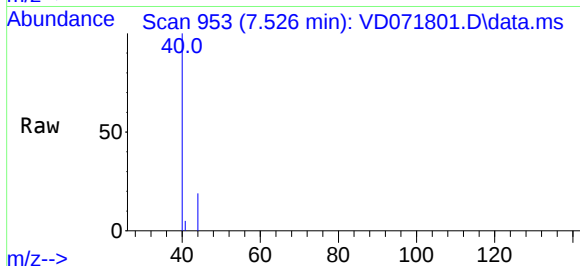




#41
Methacrylonitrile
Concen: 1.377 ug/l
RT: 7.526 min Scan# 911
Delta R.T. 0.005 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

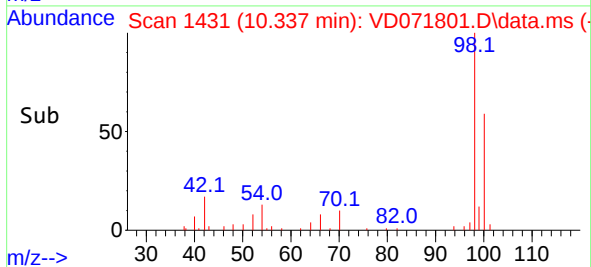
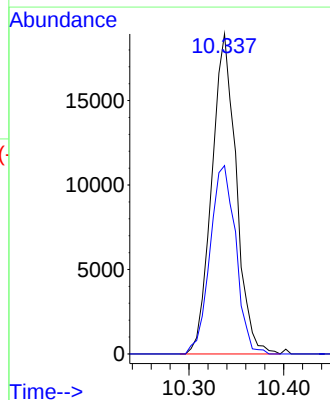
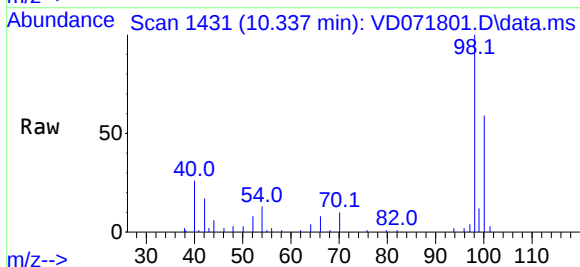
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

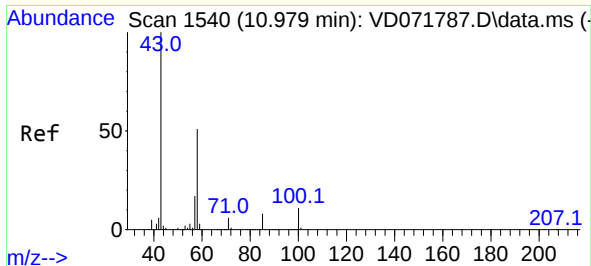
Tgt Ion: 41	Resp:	114
Ion	Ratio	Lower Upper
41	100	
39	0.0	44.6 67.0#
67	0.0	48.2 72.4#
52	0.0	22.8 34.2#



#50
Toluene-d8
Concen: 49.710 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 98	Resp:	34035
Ion	Ratio	Lower Upper
98	100	
100	61.9	52.4 78.6

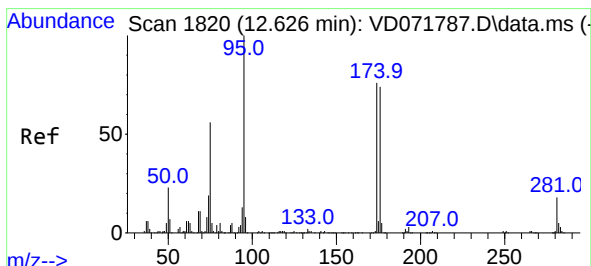
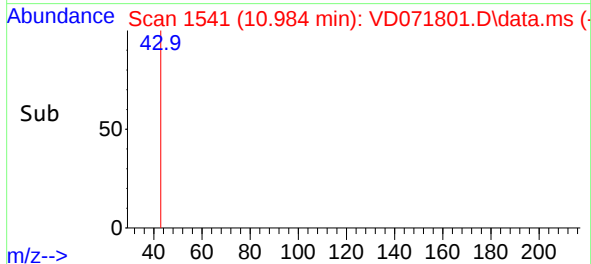
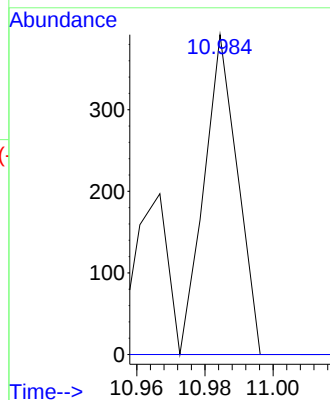
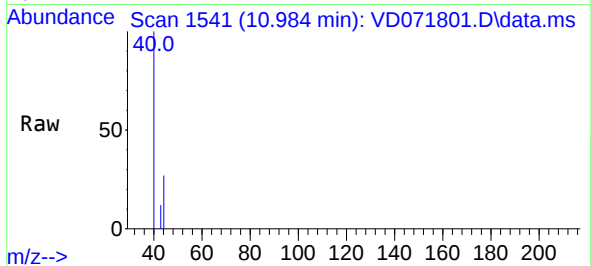




#59
2-Hexanone
Concen: 2.674 ug/l
RT: 10.984 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

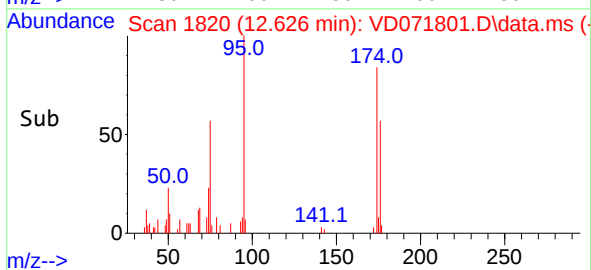
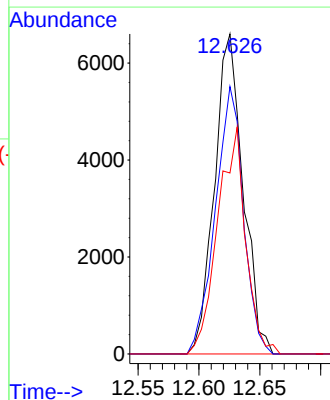
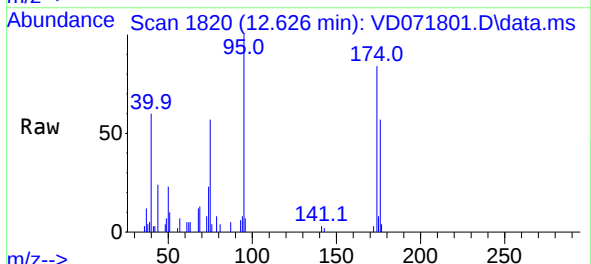
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

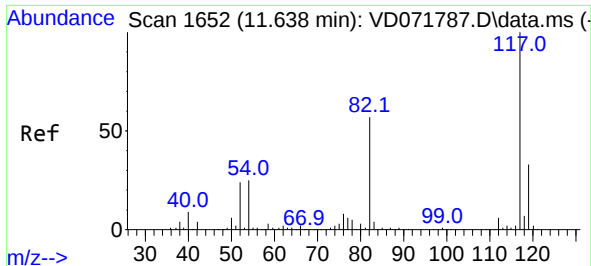
Tgt Ion: 43 Resp: 267
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 45.174 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 95 Resp: 10801
Ion Ratio Lower Upper
95 100
174 81.8 0.0 152.8
176 69.1 0.0 145.4

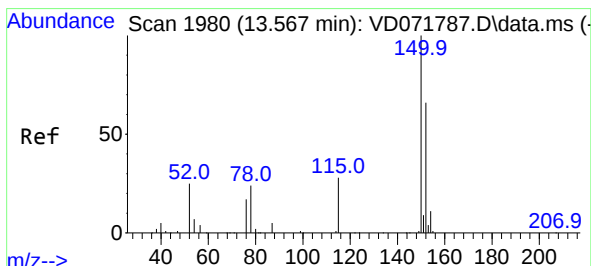
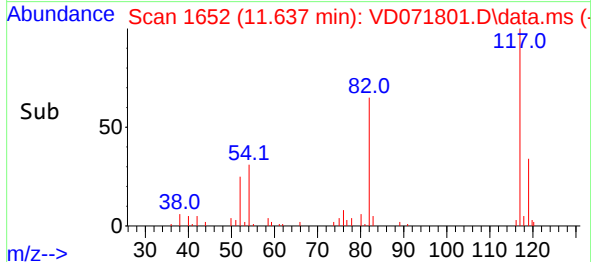
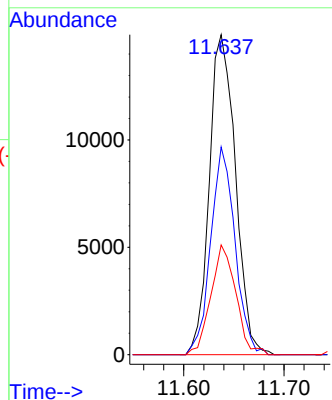
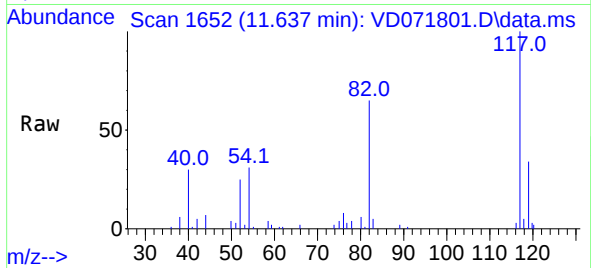




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

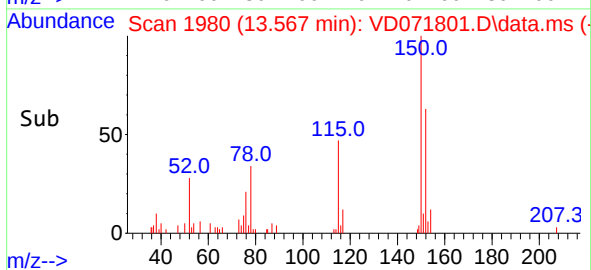
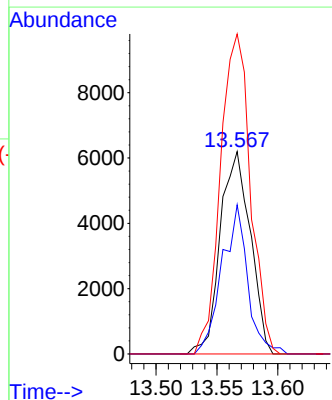
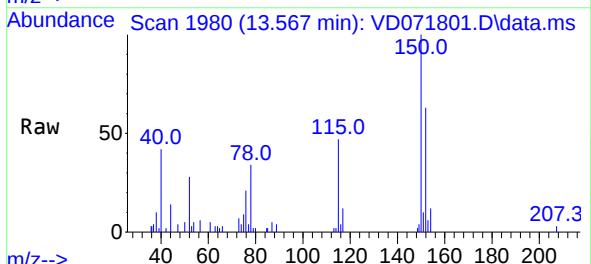
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

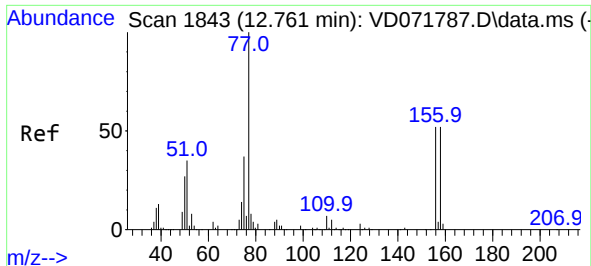
Tgt Ion:	117	Resp:	27019
Ion	Ratio	Lower	Upper
117	100		
82	64.9	45.3	67.9
119	34.3	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion:	152	Resp:	10664
Ion	Ratio	Lower	Upper
152	100		
115	63.1	31.3	93.8
150	157.6	0.0	348.6

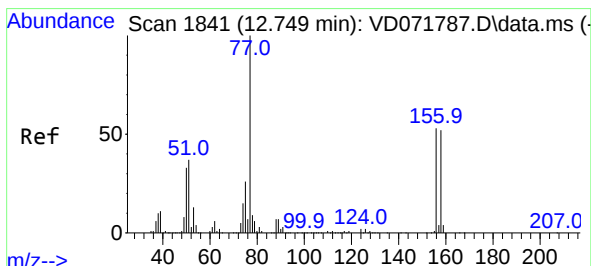
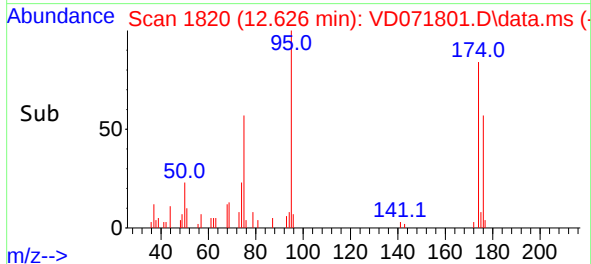
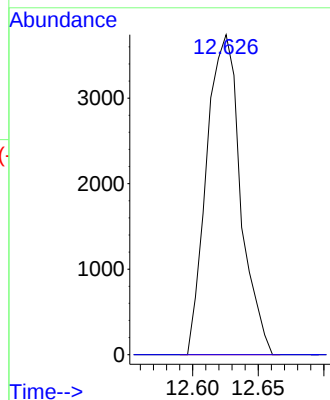
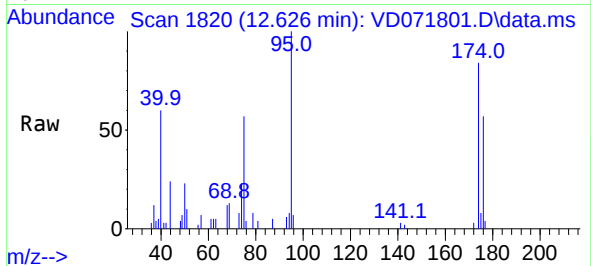




#76
1,2,3-Trichloropropane
Concen: 59.937 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

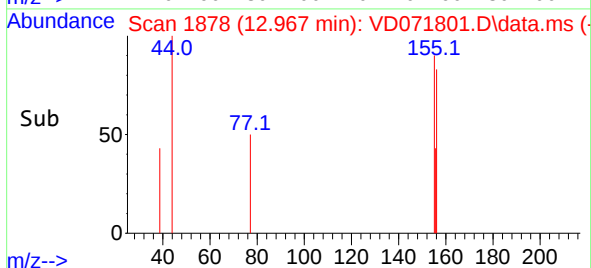
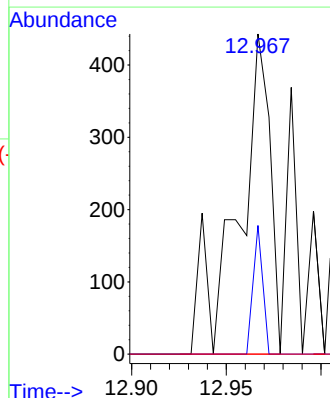
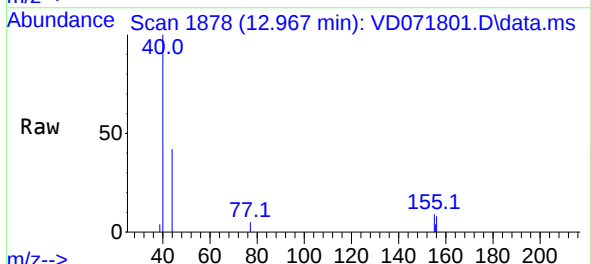
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

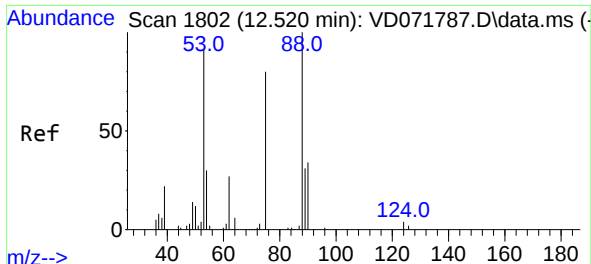
Tgt Ion: 75 Resp: 6736
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 2.885 ug/l
RT: 12.967 min Scan# 1878
Delta R.T. 0.217 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion:156 Resp: 530
Ion Ratio Lower Upper
156 100
77 11.9 102.8 308.3#
158 0.0 48.7 146.1#

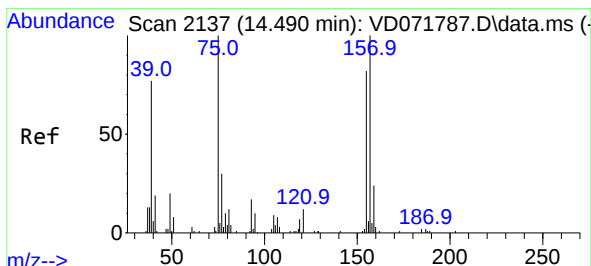
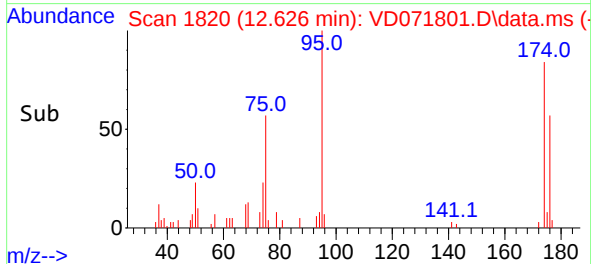
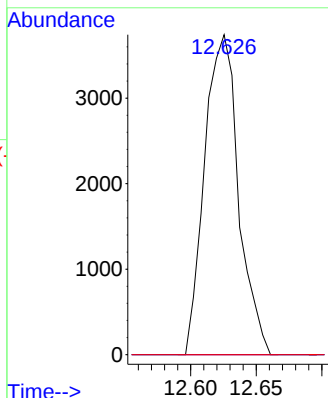
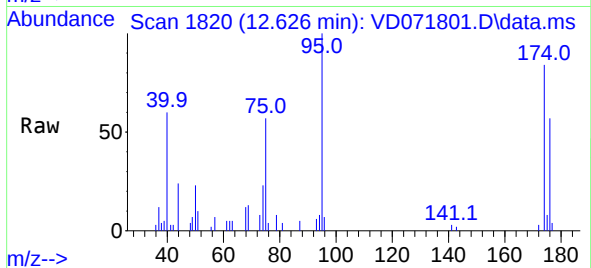




#81
trans-1,4-Dichloro-2-butene
Concen: 147.370 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

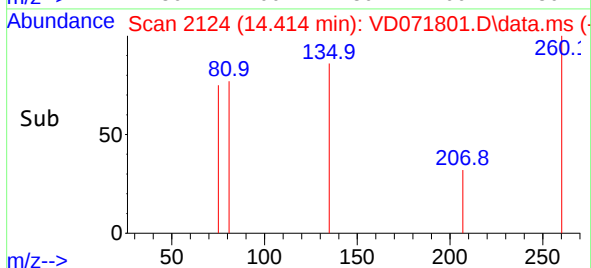
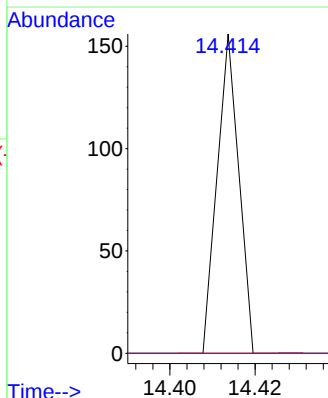
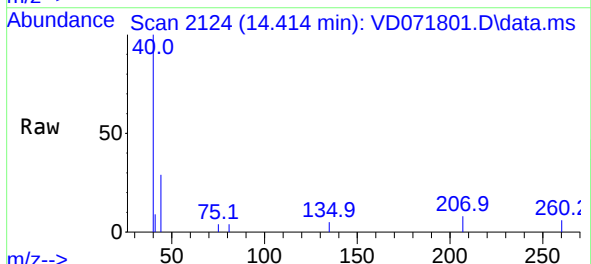
Instrument :
MSVOA_D
ClientSampleId :
SP25-07-20220119-26.0-26.5RE

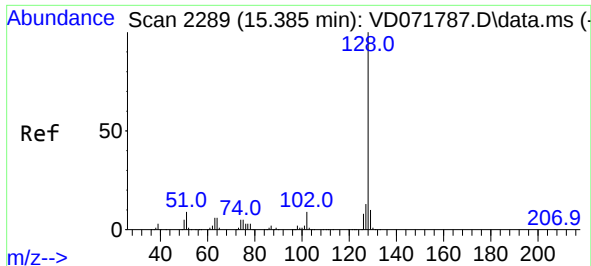
Tgt Ion: 75 Resp: 6736
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.173 ug/l
RT: 14.414 min Scan# 2124
Delta R.T. -0.077 min
Lab File: VD071801.D
Acq: 27 Jan 2022 14:58

Tgt Ion: 75 Resp: 55
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#





#95

Naphthalene

Concen: 19.746 ug/l

RT: 15.384 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD071801.D

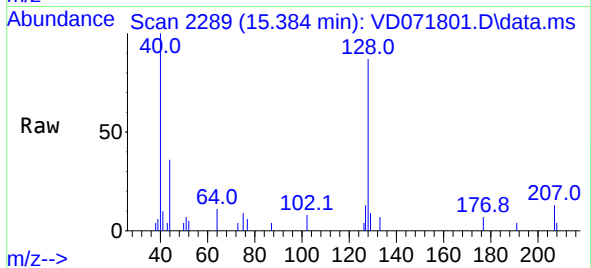
Acq: 27 Jan 2022 14:58

Instrument :

MSVOA_D

ClientSampleId :

SP25-07-20220119-26.0-26.5RE



Tgt Ion:128 Resp: 6979

Ion Ratio Lower Upper

128 100

127 11.1 10.3 15.5

129 6.3 8.4 12.6#

