

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010322\
 Data File : VD071566.D
 Acq On : 03 Jan 2022 15:22
 Operator : VA/SY
 Sample : M5241-04
 Misc : 3.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 03 15:58:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

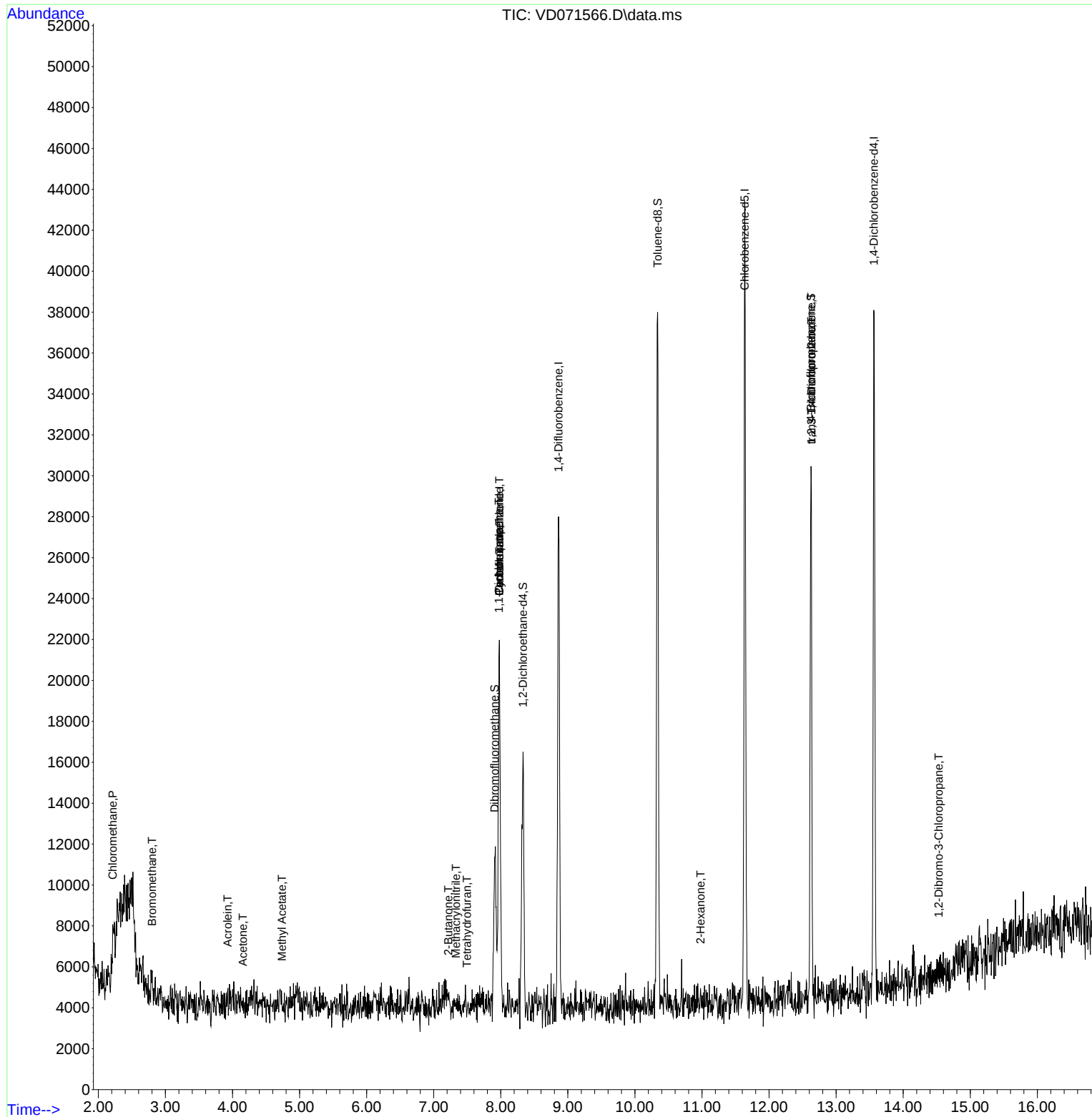
Internal Standards						
1) Pentafluorobenzene	7.979	168	11328	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	18583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	18647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	8284	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	8294	55.130	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.260%
35) Dibromofluoromethane	7.908	113	5497	44.014	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.020%
50) Toluene-d8	10.338	98	23687	50.187	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.380%
62) 4-Bromofluorobenzene	12.626	95	7675	45.762	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.520%
Target Compounds						
						Qvalue
3) Chloromethane	2.215	50	274	1.803	ug/l	# 42
5) Bromomethane	2.803	94	591	4.638	ug/l	88
11) Tert butyl alcohol	5.356	59	72	Below Cal	#	71
13) Acrolein	3.926	56	55	7.568	ug/l	# 13
16) Acetone	4.156	43	79	2.091	ug/l	# 40
18) Methyl Acetate	4.738	43	150	1.286	ug/l	# 51
20) Methylene Chloride	4.979	84	464	Below Cal	#	65
25) 2-Butanone	7.220	43	63	1.396	ug/l	# 45
29) Tetrahydrofuran	7.497	42	58	2.140	ug/l	# 34
31) Cyclohexane	7.979	56	336	1.315	ug/l	# 78
36) 1,1-Dichloropropene	7.973	75	1182	5.924	ug/l	# 41
38) Carbon Tetrachloride	7.979	117	1130	5.740	ug/l	# 12
41) Methacrylonitrile	7.332	41	56	1.023	ug/l	# 12
59) 2-Hexanone	10.979	43	489	7.193	ug/l	# 22
76) 1,2,3-Trichloropropane	12.632	75	4794	48.705	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.632	75	4794	137.618	ug/l	# 18
92) 1,2-Dibromo-3-Chloropr...	14.531	75	72	3.596	ug/l	# 4

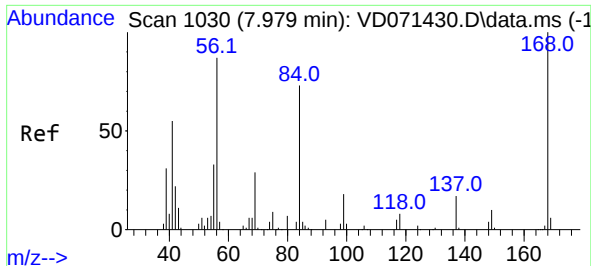
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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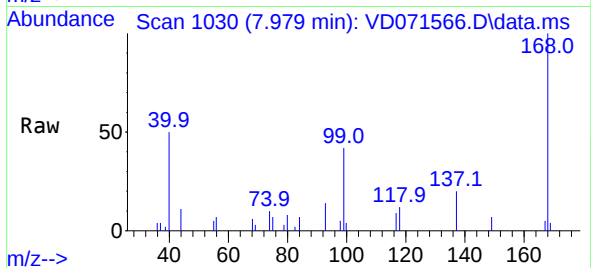
Quant Time: Jan 03 15:58:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
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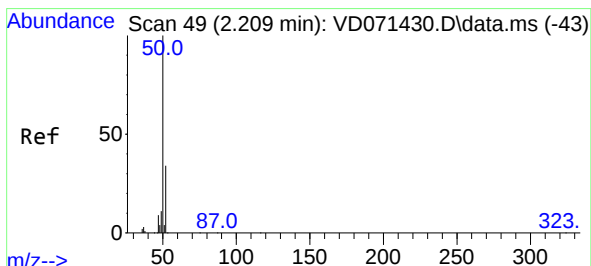
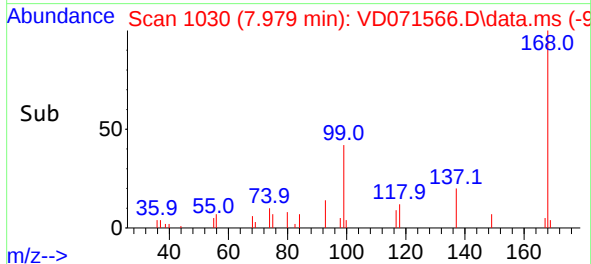
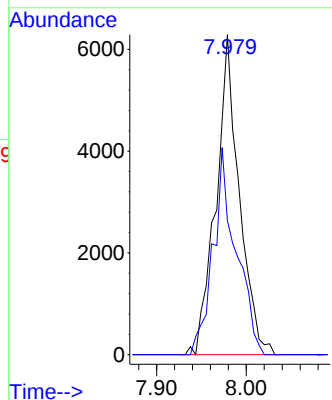


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :

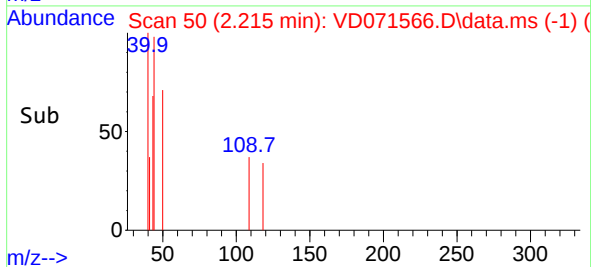
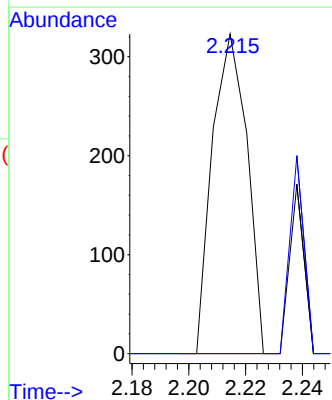
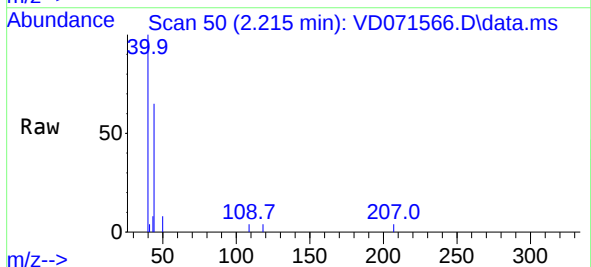


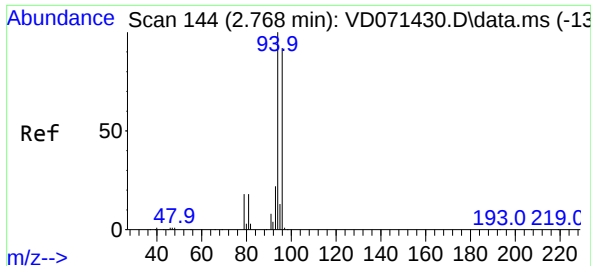
Tgt Ion:168 Resp: 11328
Ion Ratio Lower Upper
168 100
99 41.9 46.6 69.8#



#3
Chloromethane
Concen: 1.803 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Tgt Ion: 50 Resp: 274
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

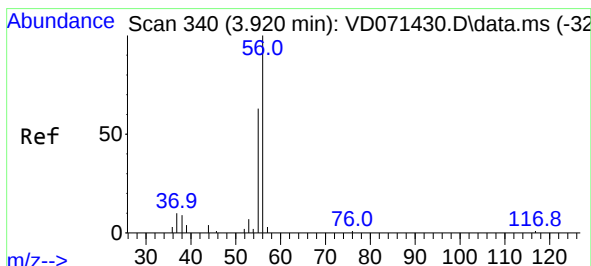
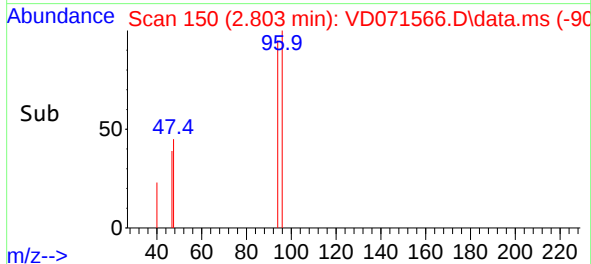
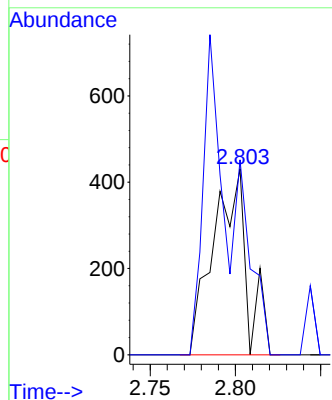
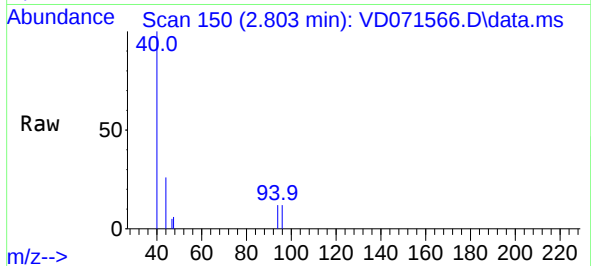




#5
Bromomethane
Concen: 4.638 ug/l
RT: 2.803 min Scan# 11
Delta R.T. 0.053 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

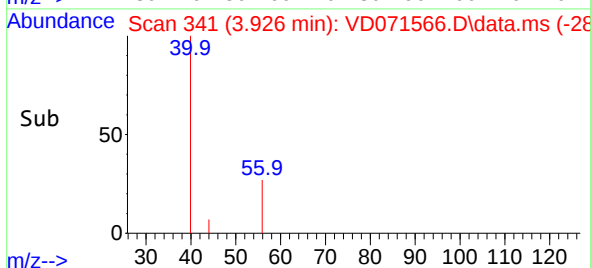
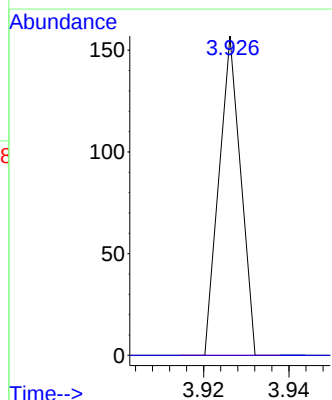
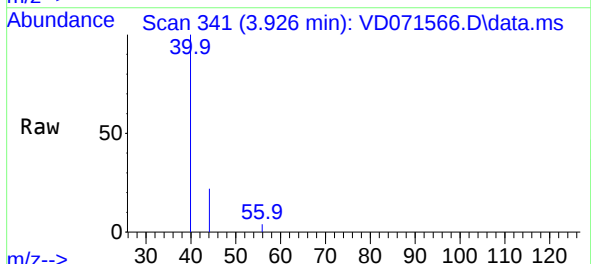
Instrument :
MSVOA_D
ClientSampleId :

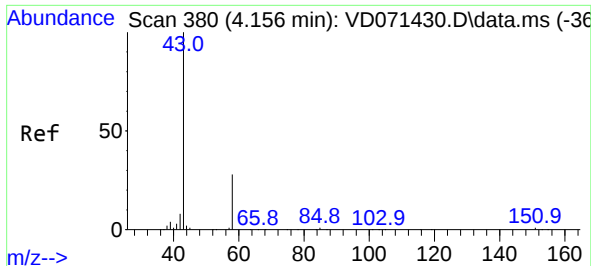
Tgt Ion: 94 Resp: 591
Ion Ratio Lower Upper
94 100
96 104.9 74.8 112.2



#13
Acrolein
Concen: 7.568 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.012 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

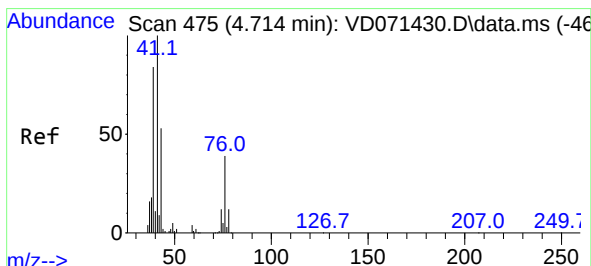
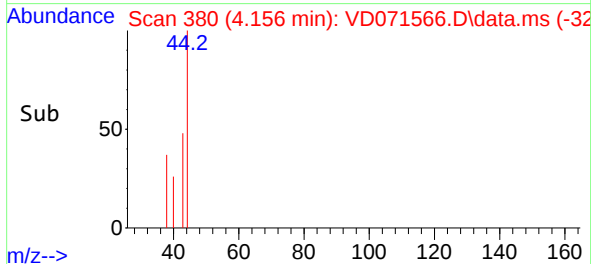
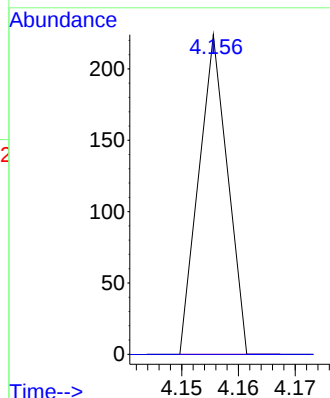
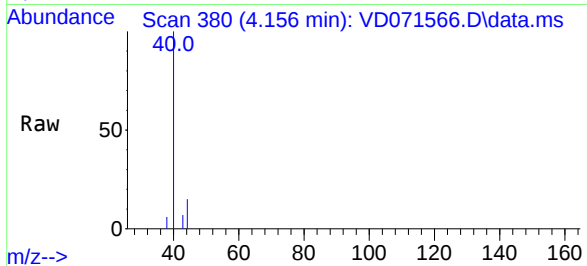




#16
Acetone
Concen: 2.091 ug/l
RT: 4.156 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

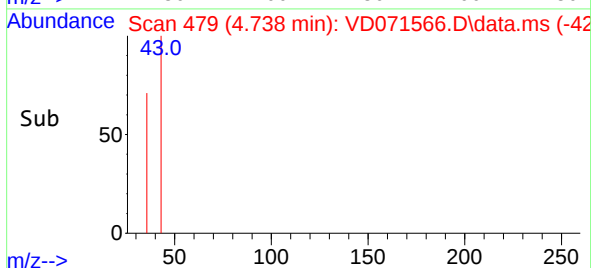
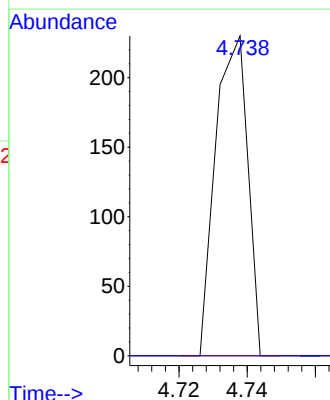
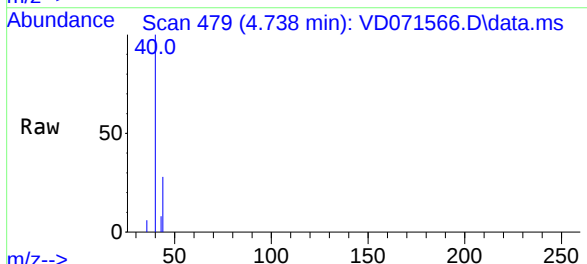
Instrument :
MSVOA_D
ClientSampleId :

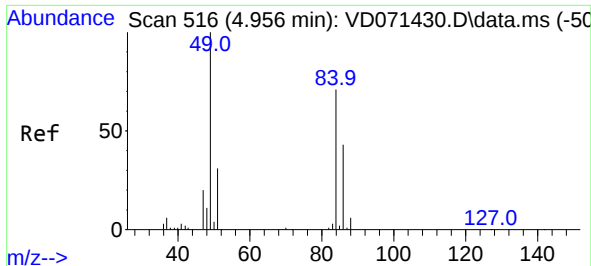
Tgt Ion: 43 Resp: 79
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.286 ug/l
RT: 4.738 min Scan# 479
Delta R.T. 0.018 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

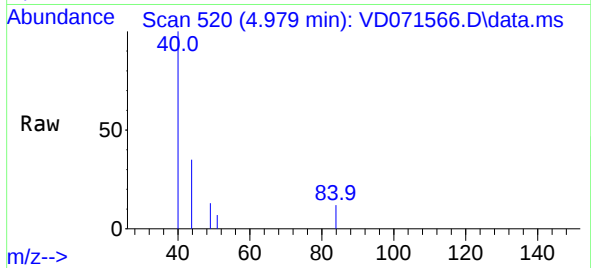
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



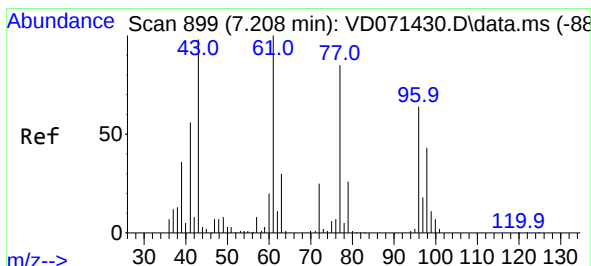
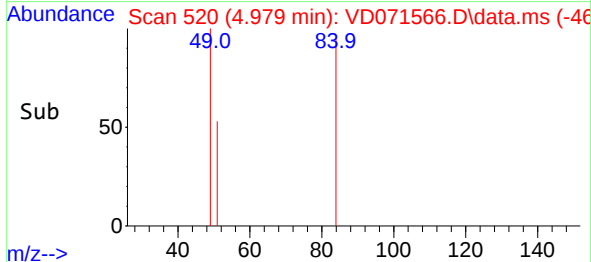
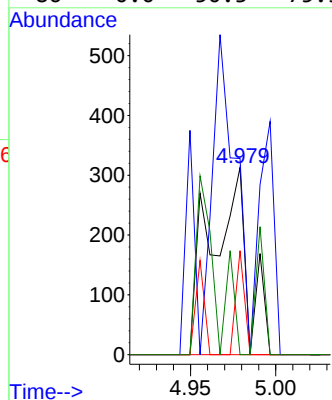


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 51
Delta R.T. 0.018 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :

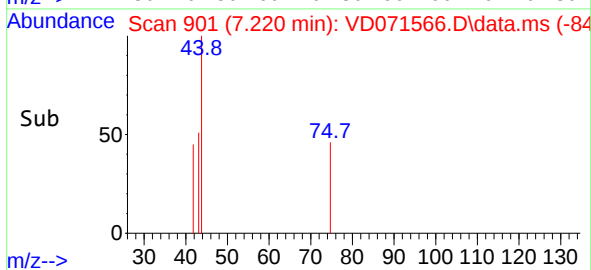
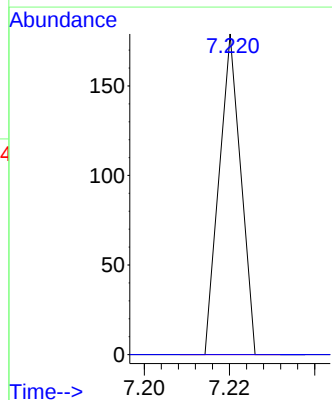
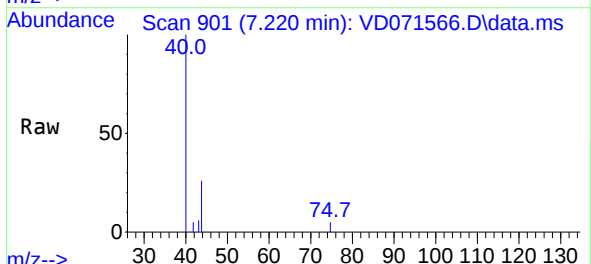


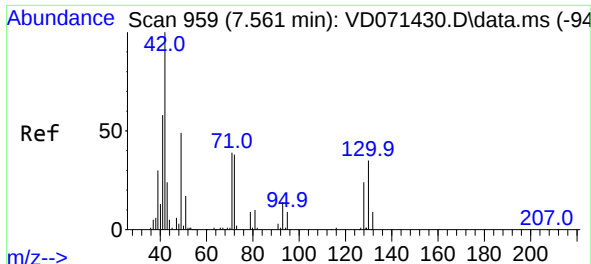
Tgt Ion:	84	Resp:	464
Ion	Ratio	Lower	Upper
84	100		
49	104.8	95.8	143.6
51	55.6	30.9	46.3#
86	0.0	50.3	75.5#



#25
2-Butanone
Concen: 1.396 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.8	35.6#





#29

Tetrahydrofuran

Concen: 2.140 ug/l

RT: 7.497 min Scan# 94

Delta R.T. -0.058 min

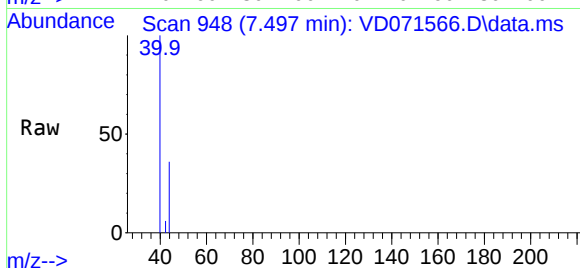
Lab File: VD071566.D

Acq: 03 Jan 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :



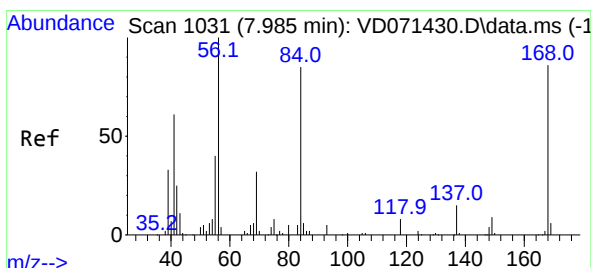
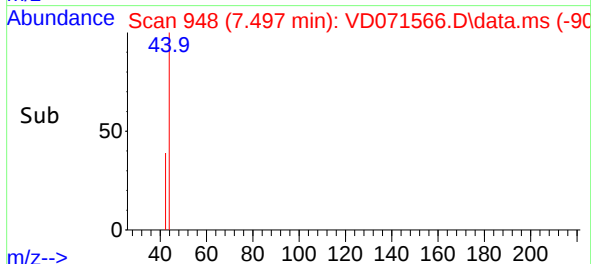
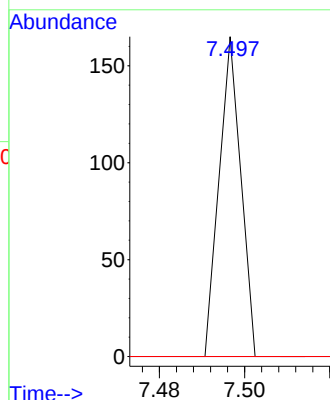
Tgt Ion: 42 Resp: 58

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 1.315 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071566.D

Acq: 03 Jan 2022 15:22

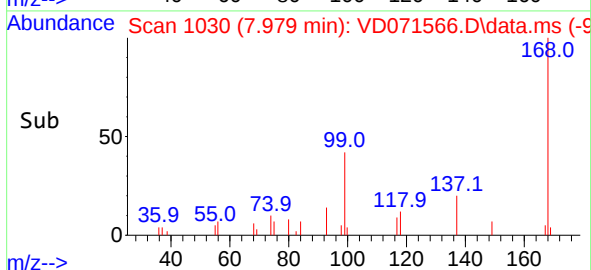
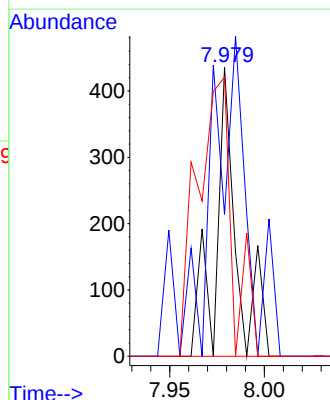
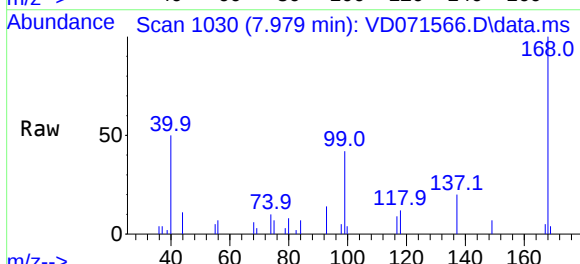
Tgt Ion: 56 Resp: 336

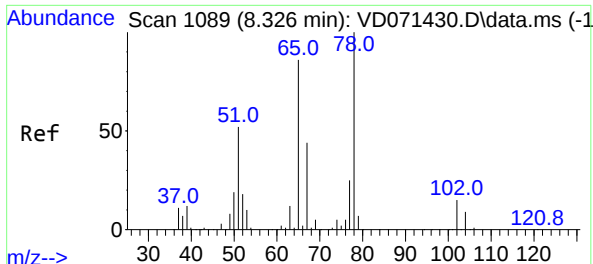
Ion Ratio Lower Upper

56 100

69 49.1 25.9 38.9#

84 96.6 64.3 96.5#

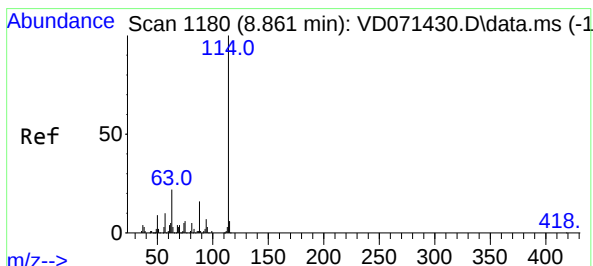
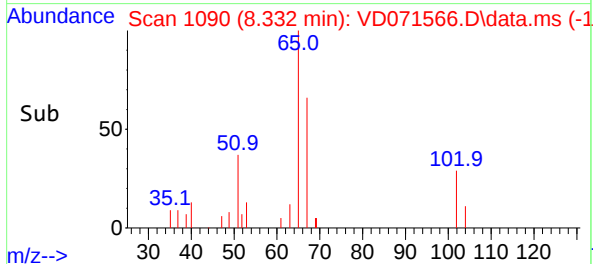
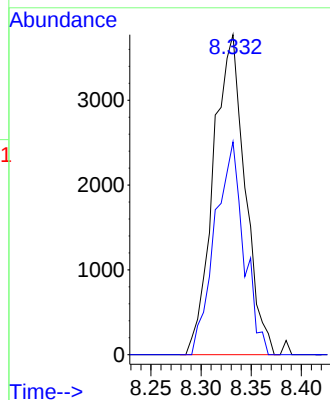
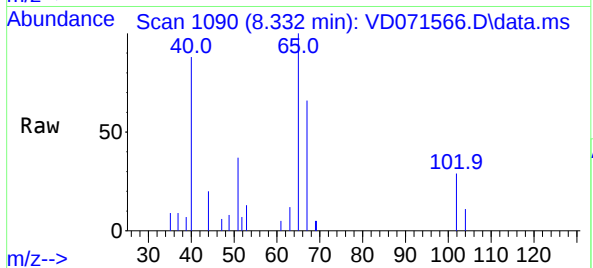




#33
1,2-Dichloroethane-d4
Concen: 55.130 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

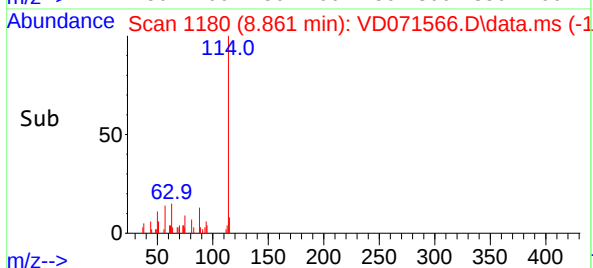
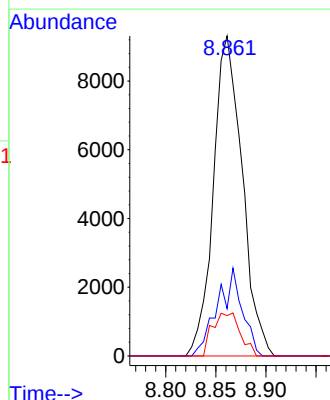
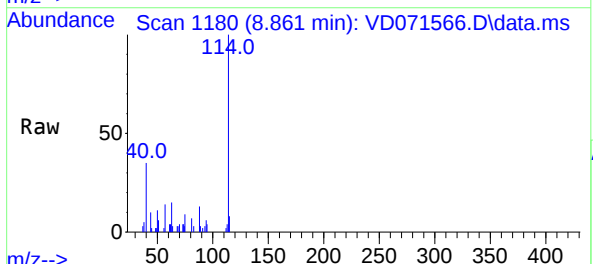
Instrument :
MSVOA_D
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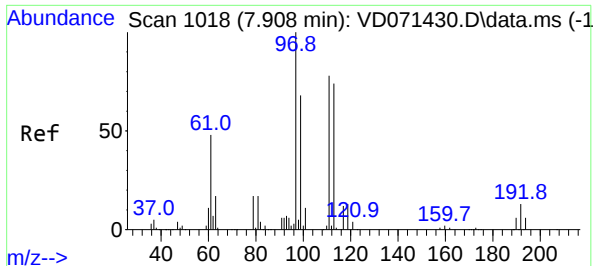
Tgt Ion: 65 Resp: 8294
Ion Ratio Lower Upper
65 100
67 60.9 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

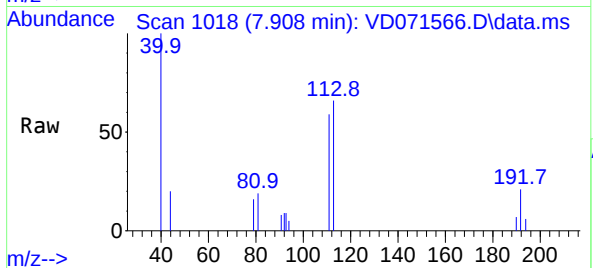
Tgt Ion:114 Resp: 18583
Ion Ratio Lower Upper
114 100
63 14.8 0.0 41.8
88 12.6 0.0 32.8



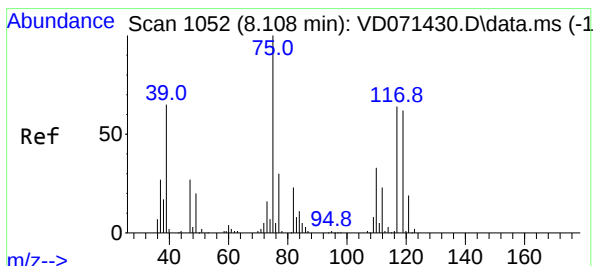
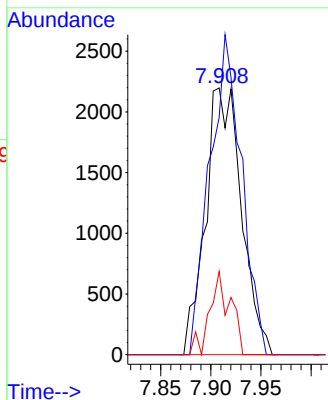
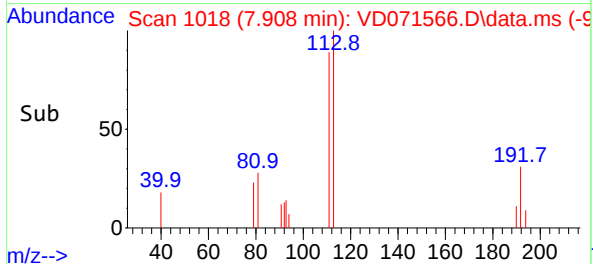


#35
Dibromofluoromethane
Concen: 44.014 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

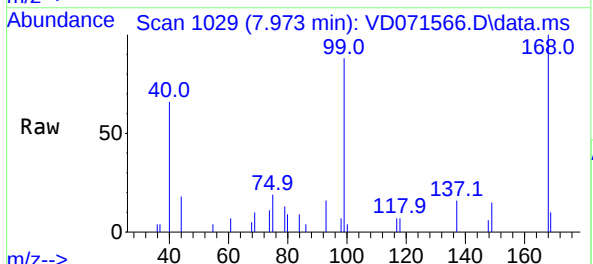
Instrument :
MSVOA_D
ClientSampleId :



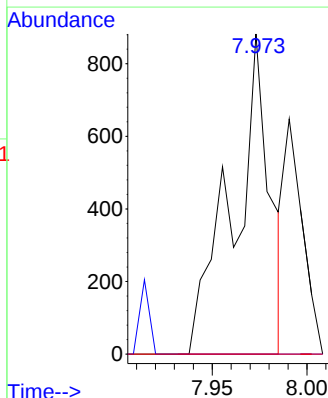
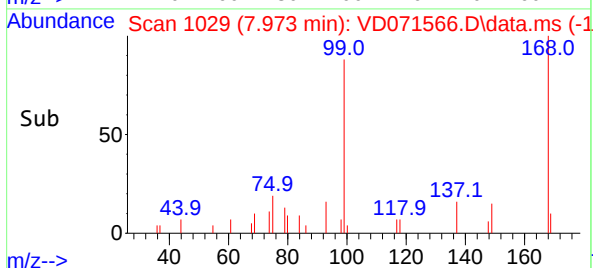
Tgt Ion:113 Resp: 5497
Ion Ratio Lower Upper
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111 105.9 82.0 123.0
192 17.9 15.2 22.8

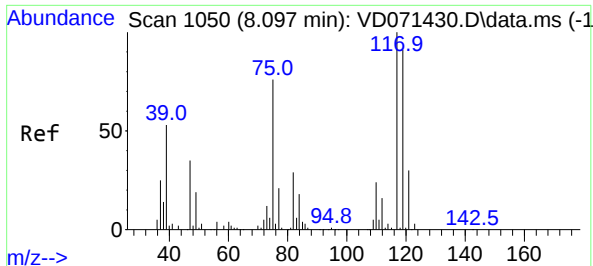


#36
1,1-Dichloropropene
Concen: 5.924 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22



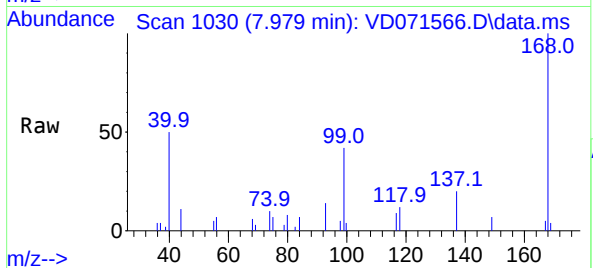
Tgt Ion: 75 Resp: 1182
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



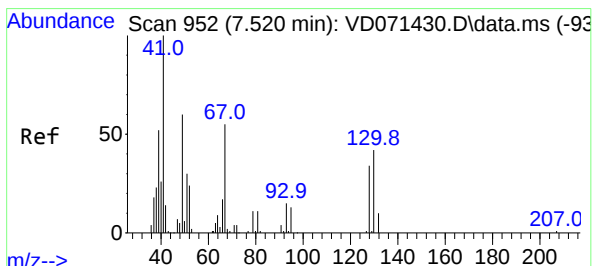
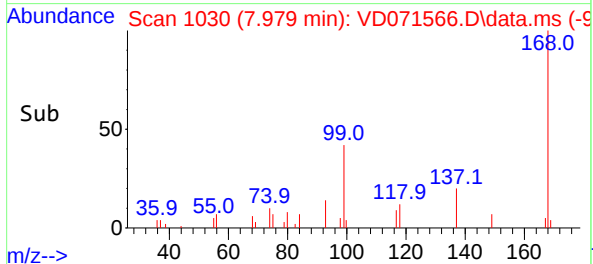
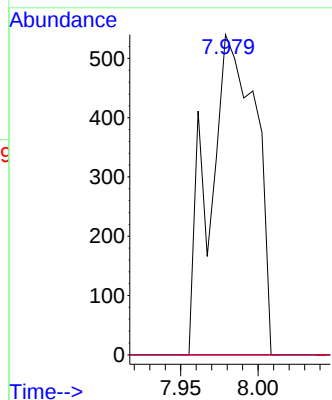


#38
Carbon Tetrachloride
Concen: 5.740 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.118 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :

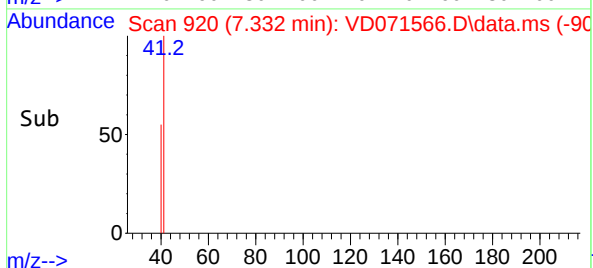
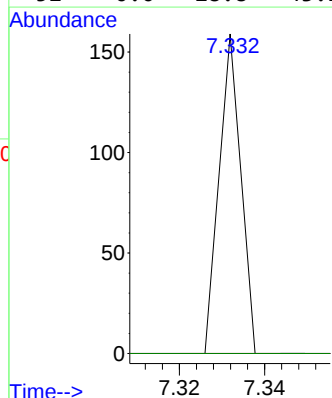
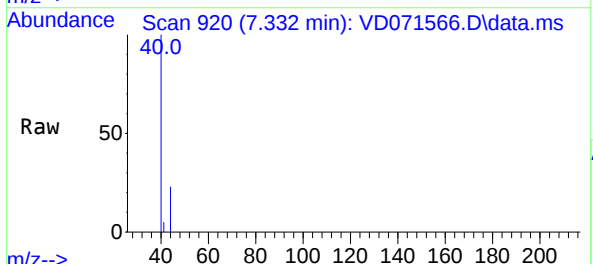


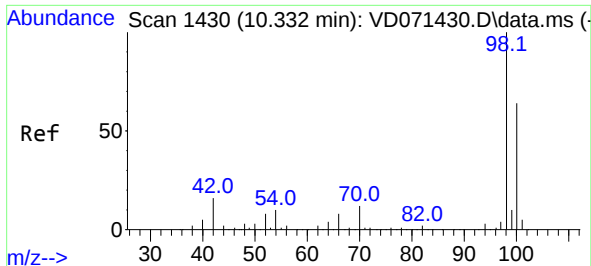
Tgt Ion:117 Resp: 1130
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.023 ug/l
RT: 7.332 min Scan# 920
Delta R.T. -0.194 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#50

Toluene-d8

Concen: 50.187 ug/l

RT: 10.338 min Scan# 1430

Delta R.T. 0.006 min

Lab File: VD071566.D

Acq: 03 Jan 2022 15:22

Instrument :

MSVOA_D

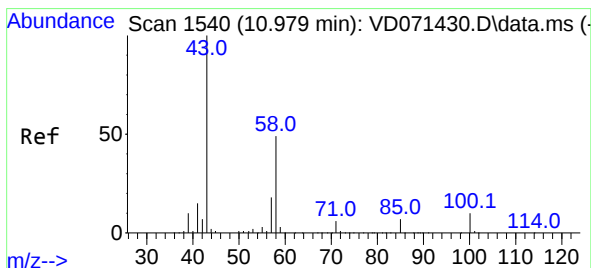
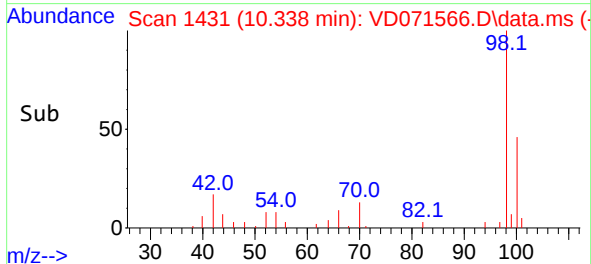
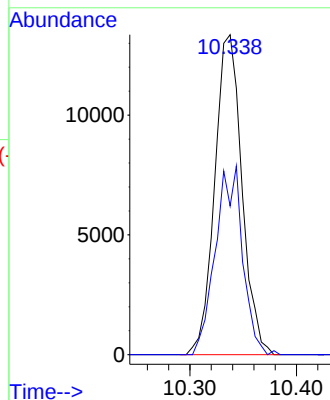
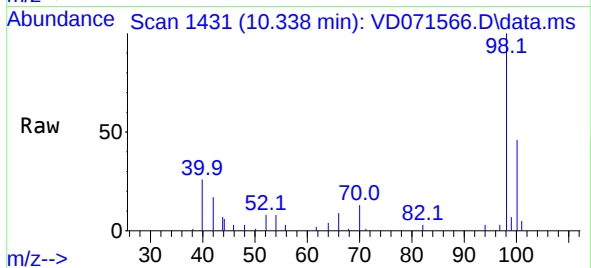
ClientSampleId :

Tgt Ion: 98 Resp: 23687

Ion Ratio Lower Upper

98 100

100 58.7 51.8 77.6



#59

2-Hexanone

Concen: 7.193 ug/l

RT: 10.979 min Scan# 1540

Delta R.T. -0.000 min

Lab File: VD071566.D

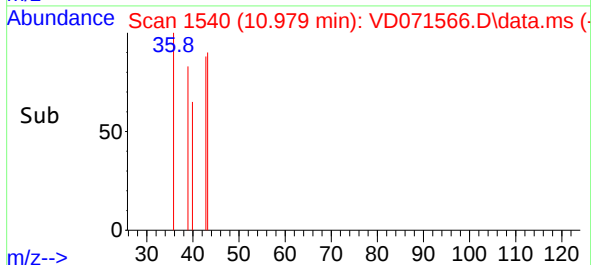
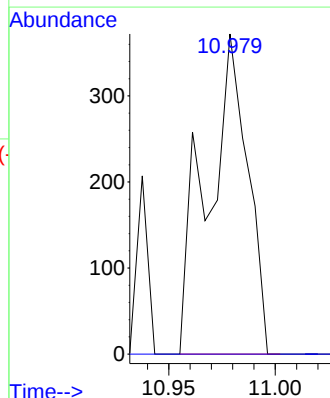
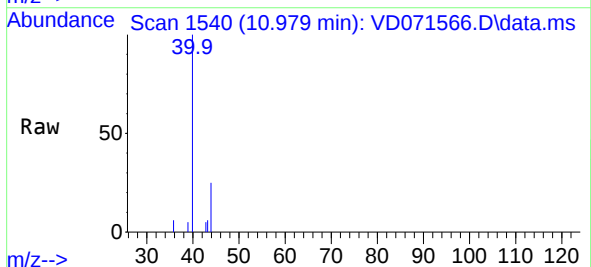
Acq: 03 Jan 2022 15:22

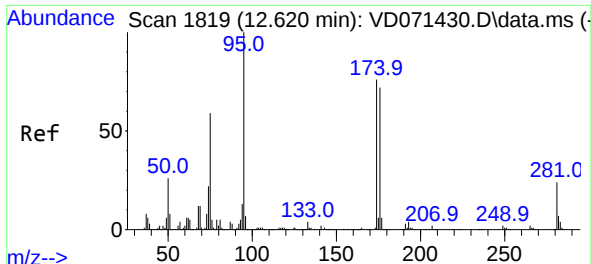
Tgt Ion: 43 Resp: 489

Ion Ratio Lower Upper

43 100

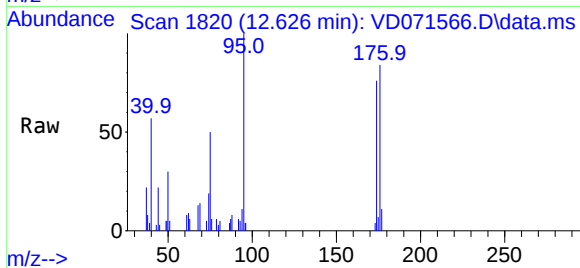
58 0.0 28.7 86.1#





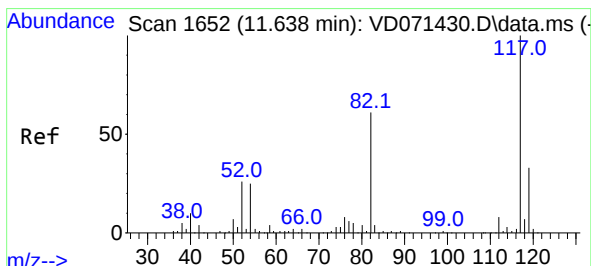
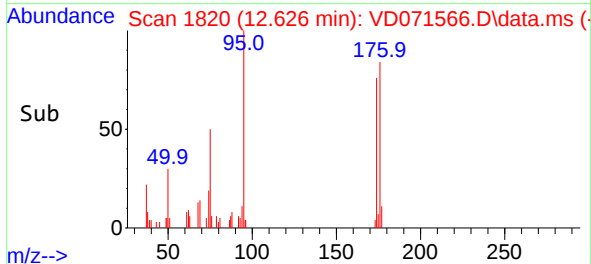
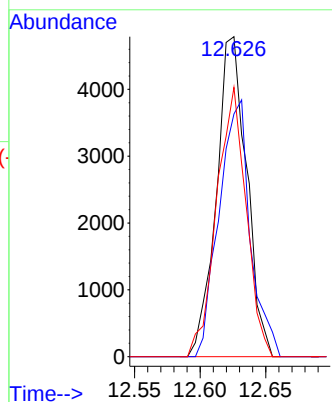
#62
4-Bromofluorobenzene
Concen: 45.762 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 95 Resp: 7675

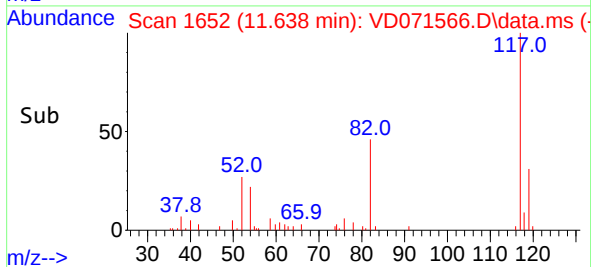
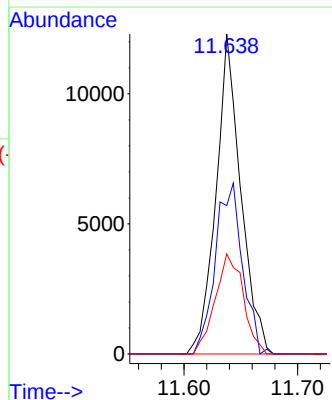
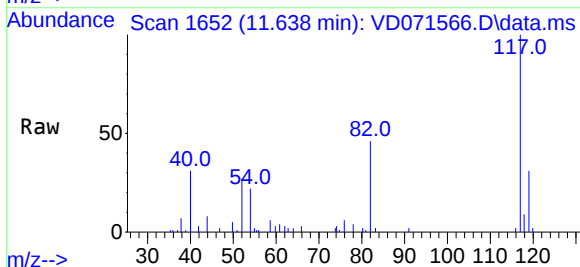
Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	159.4
176	82.0	0.0	154.0

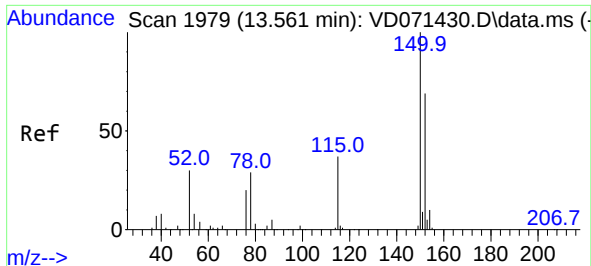


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

Tgt Ion: 117 Resp: 18647

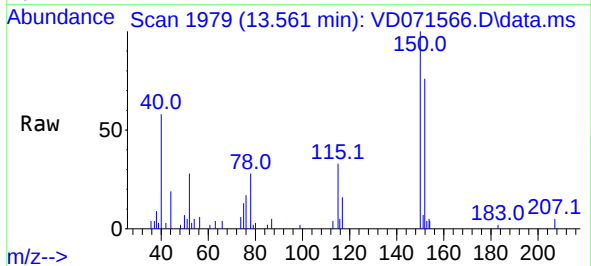
Ion	Ratio	Lower	Upper
117	100		
82	46.4	44.7	67.1
119	31.2	26.2	39.4



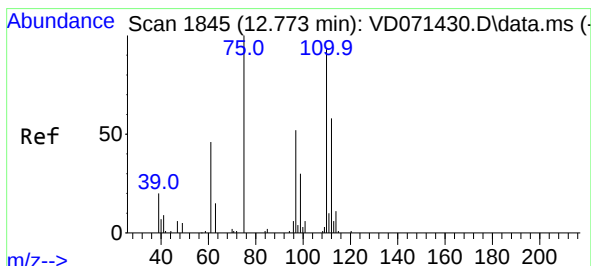
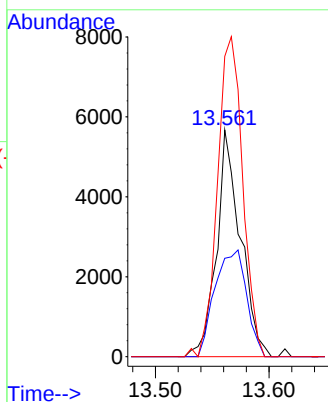
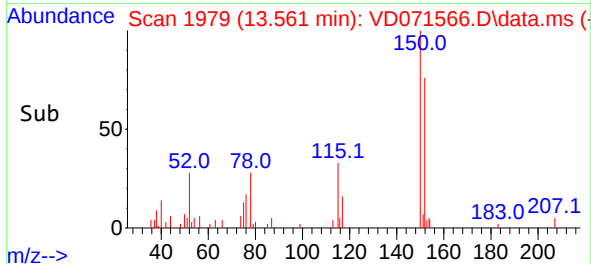


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

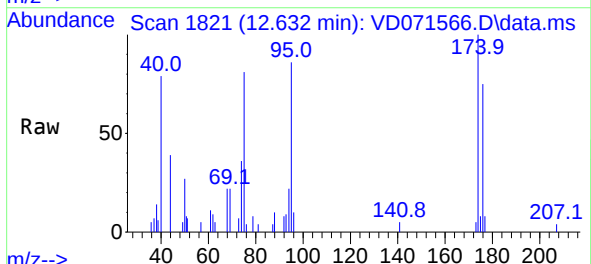
Instrument :
MSVOA_D
ClientSampleId :



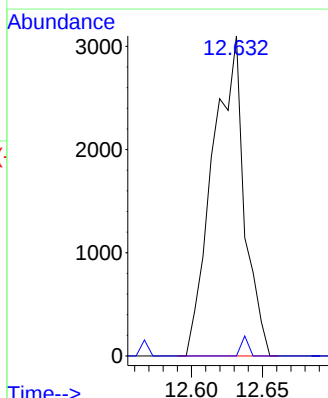
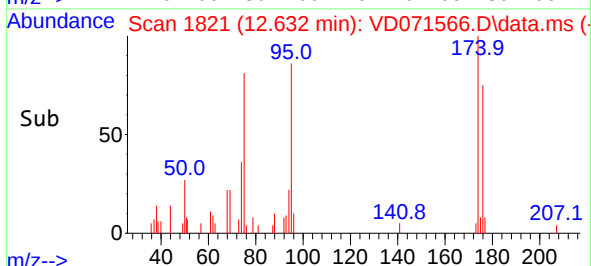
Tgt Ion:152 Resp: 8284
Ion Ratio Lower Upper
152 100
115 62.2 29.8 89.3
150 149.5 0.0 349.2

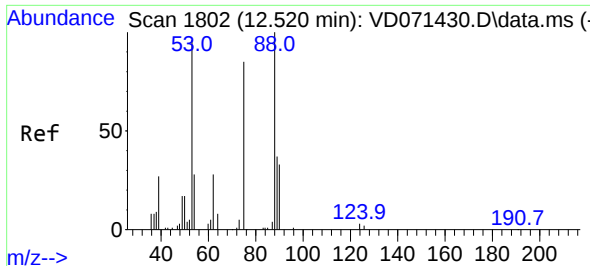


#76
1,2,3-Trichloropropane
Concen: 48.705 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.141 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22



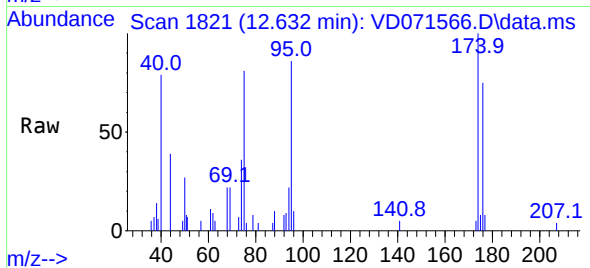
Tgt Ion: 75 Resp: 4794
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



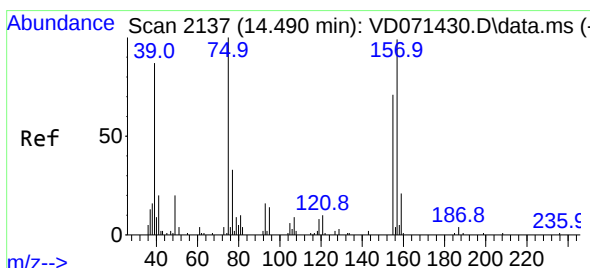
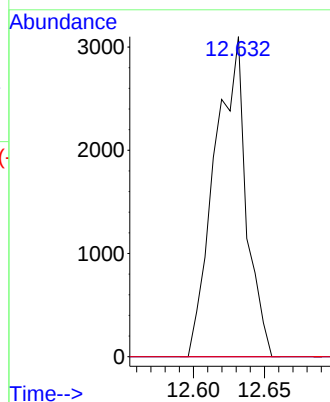
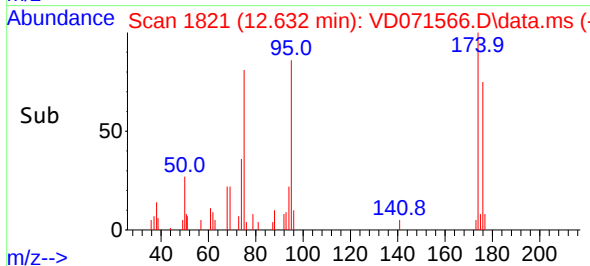


#81
trans-1,4-Dichloro-2-butene
Concen: 137.618 ug/l
RT: 12.632 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22

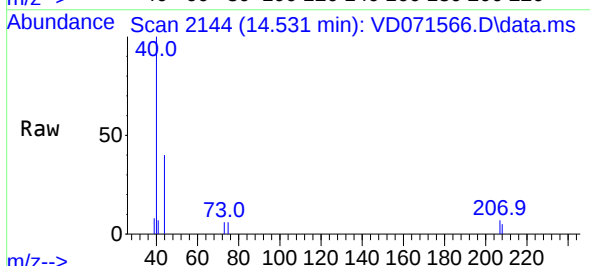
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 4794
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.596 ug/l
RT: 14.531 min Scan# 2144
Delta R.T. 0.041 min
Lab File: VD071566.D
Acq: 03 Jan 2022 15:22



Tgt Ion: 75 Resp: 72
Ion Ratio Lower Upper
75 100
155 0.0 40.0 120.0#
157 0.0 49.8 149.3#

