

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021422\
 Data File : VD071966.D
 Acq On : 14 Feb 2022 19:29
 Operator : VA/SY
 Sample : N1526-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-1-021122

Quant Time: Feb 15 00:38:52 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)

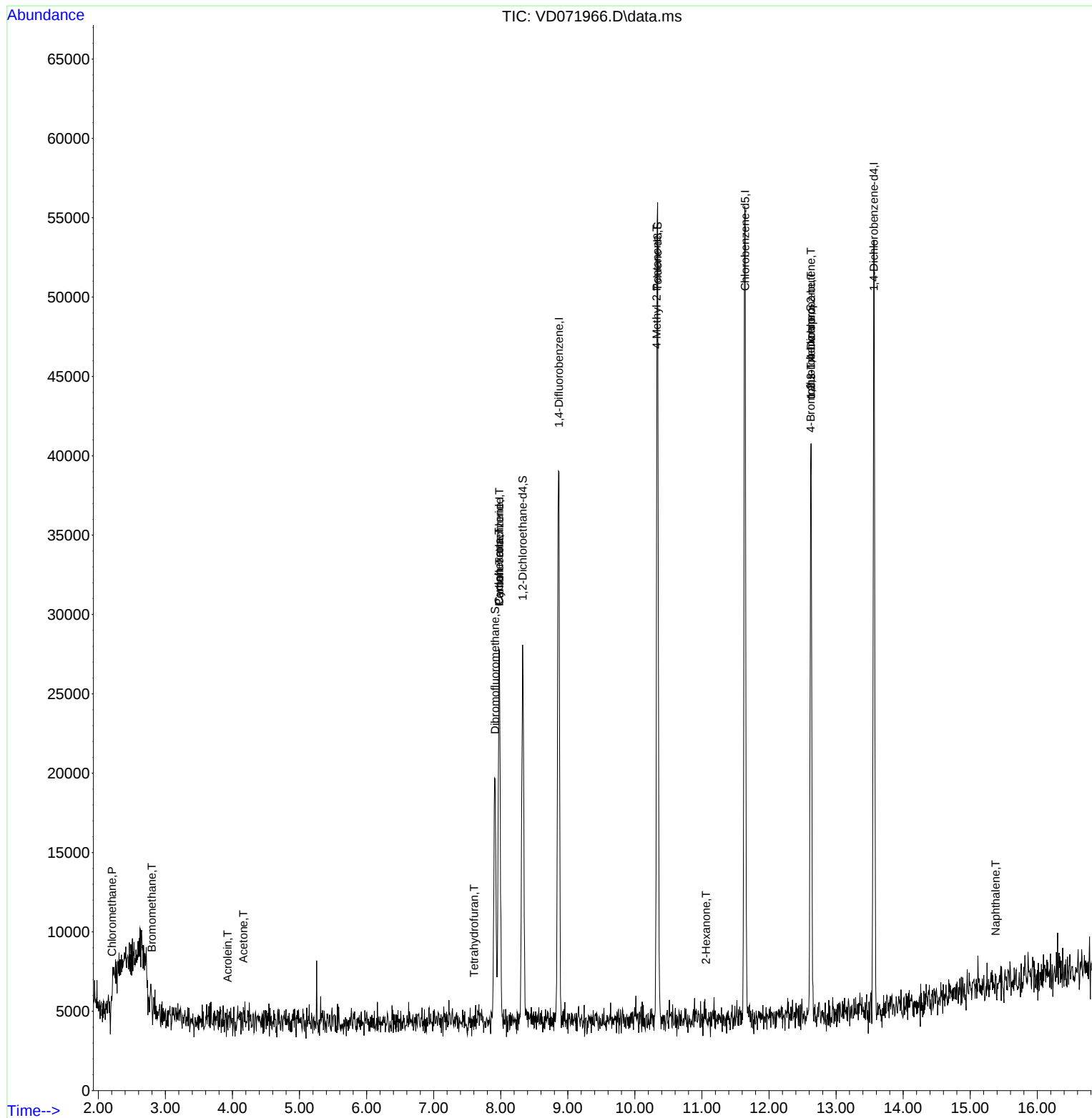
Internal Standards						
1) Pentafluorobenzene	7.979	168	16025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	27816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	28244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	11299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	18707	92.358	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 184.720%#	
35) Dibromofluoromethane	7.914	113	11158	61.025	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.060%	
50) Toluene-d8	10.338	98	35308	51.706	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.620	95	11796	49.467	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.940%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	349	1.534	ug/l #	40
5) Bromomethane	2.797	94	718	4.569	ug/l	88
13) Acrolein	3.926	56	62	3.446	ug/l #	14
16) Acetone	4.162	43	345	6.222	ug/l #	47
20) Methylene Chloride	5.109	84	65	Below Cal	#	2
29) Tetrahydrofuran	7.603	42	70	1.830	ug/l #	38
31) Cyclohexane	7.973	56	416	1.076	ug/l #	1
38) Carbon Tetrachloride	7.979	117	1737	5.597	ug/l #	13
51) 4-Methyl-2-Pentanone	10.326	43	428	3.119	ug/l #	8
59) 2-Hexanone	11.061	43	283	2.841	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	7604	63.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	7604	157.011	ug/l #	7
95) Naphthalene	15.379	128	56	1.592	ug/l #	70

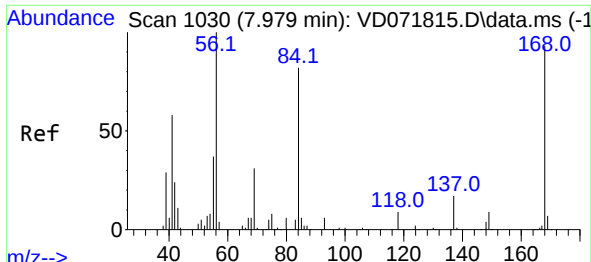
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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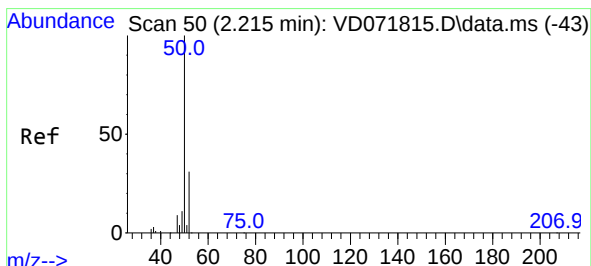
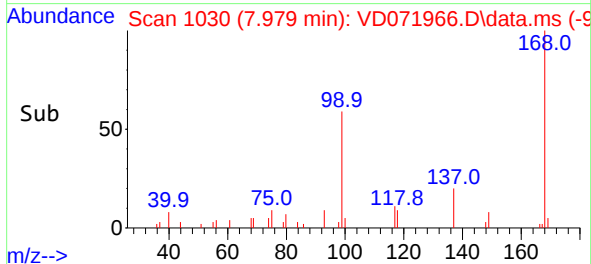
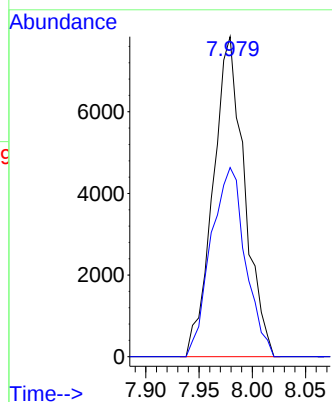
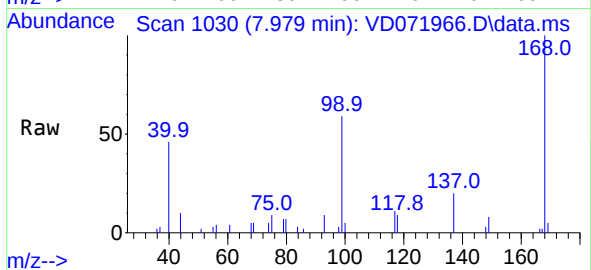




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

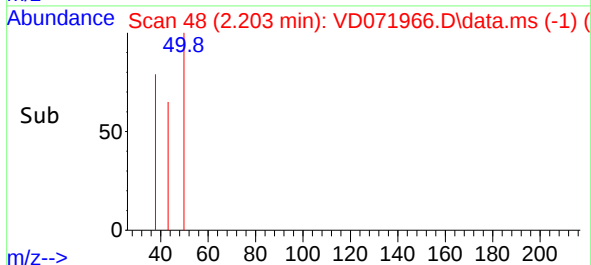
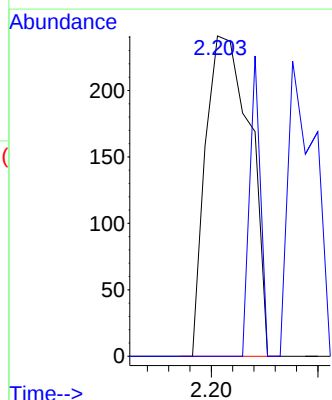
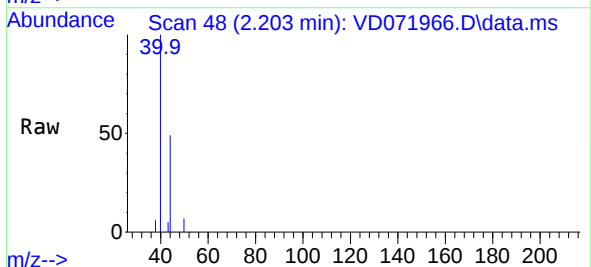
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

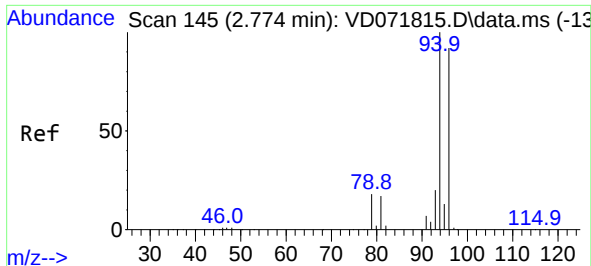
Tgt Ion:168 Resp: 16025
Ion Ratio Lower Upper
168 100
99 59.1 49.8 74.6



#3
Chloromethane
Concen: 1.534 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.012 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion: 50 Resp: 349
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

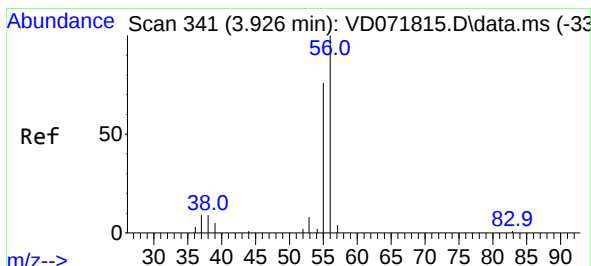
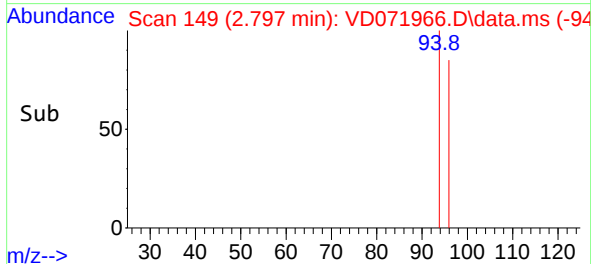
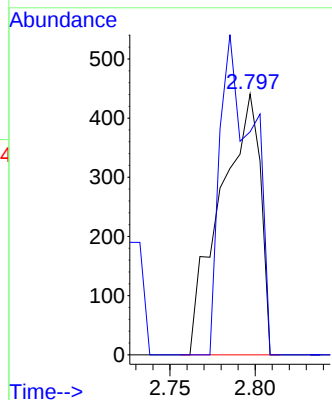
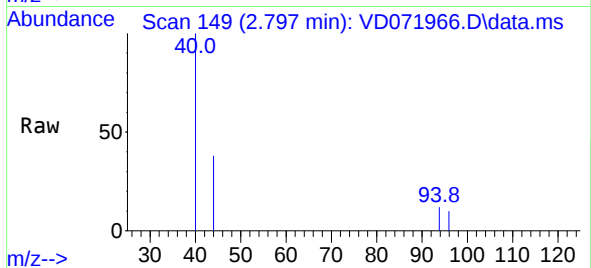




#5
Bromomethane
Concen: 4.569 ug/l
RT: 2.797 min Scan# 145
Delta R.T. 0.024 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

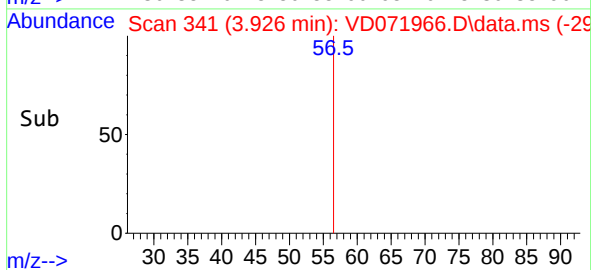
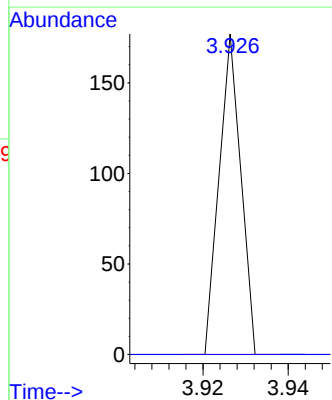
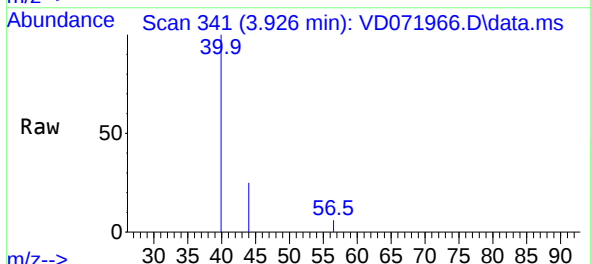
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

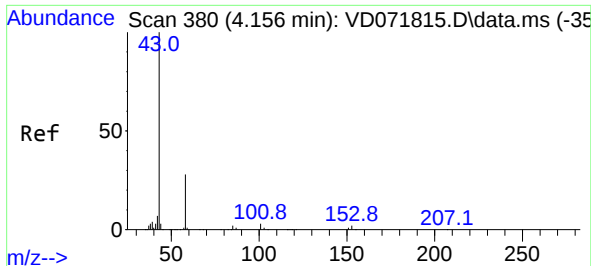
Tgt Ion: 94 Resp: 718
Ion Ratio Lower Upper
94 100
96 85.5 77.6 116.4



#13
Acrolein
Concen: 3.446 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

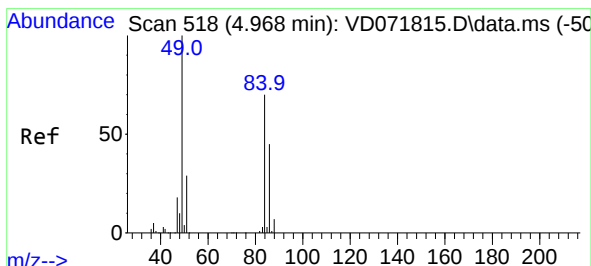
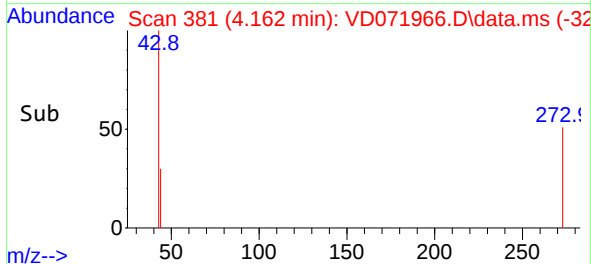
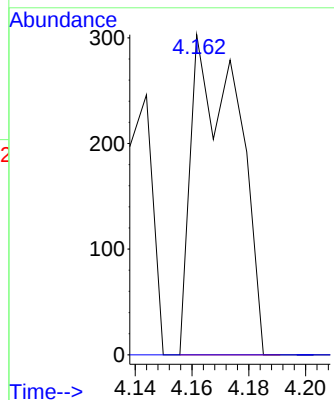
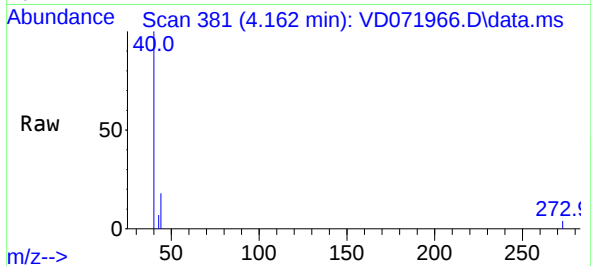




#16
Acetone
Concen: 6.222 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

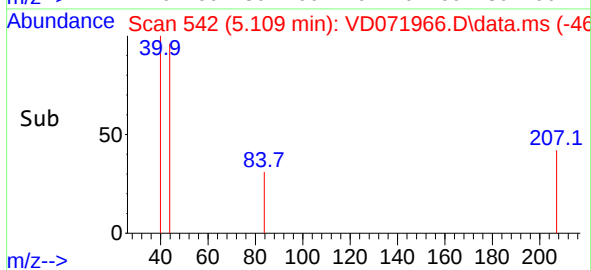
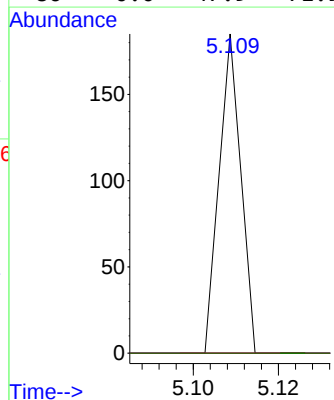
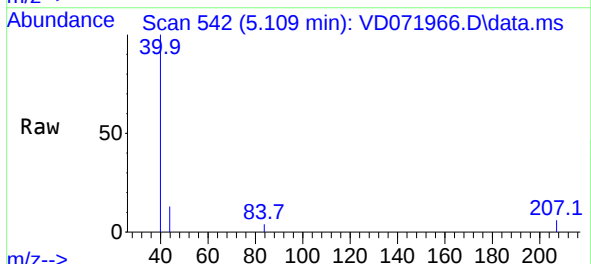
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

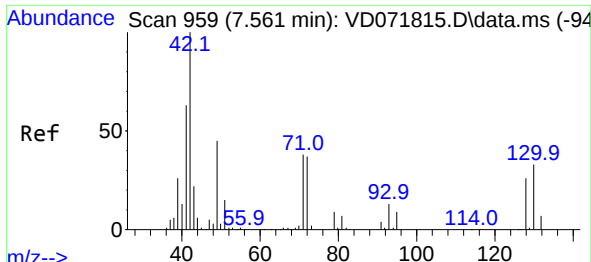
Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.109 min Scan# 542
Delta R.T. 0.141 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

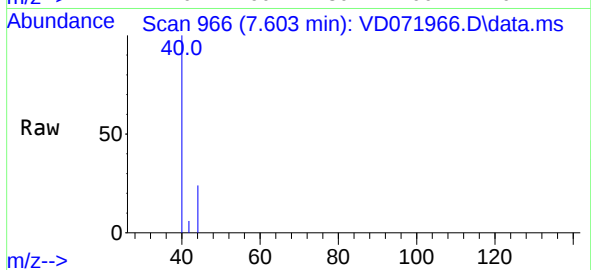
Tgt Ion: 84 Resp: 65
Ion Ratio Lower Upper
84 100
49 0.0 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#





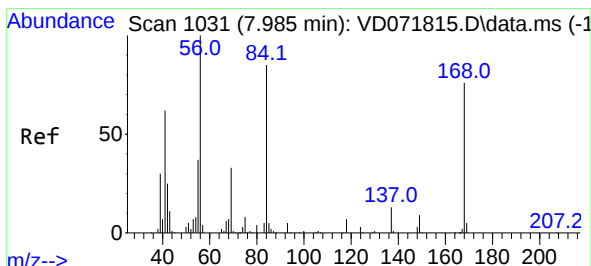
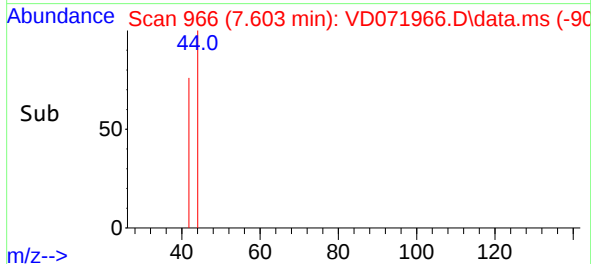
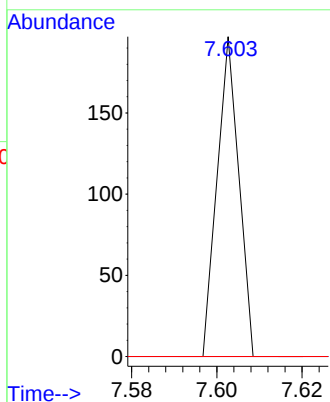
#29
Tetrahydrofuran
Concen: 1.830 ug/l
RT: 7.603 min Scan# 910
Delta R.T. 0.041 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122



Tgt Ion: 42 Resp: 70

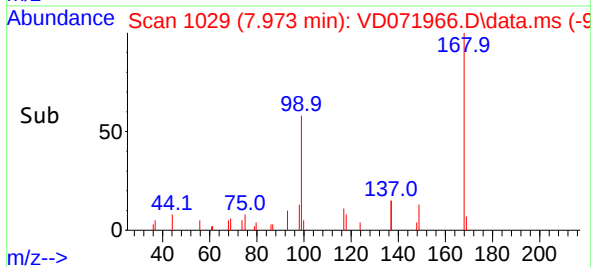
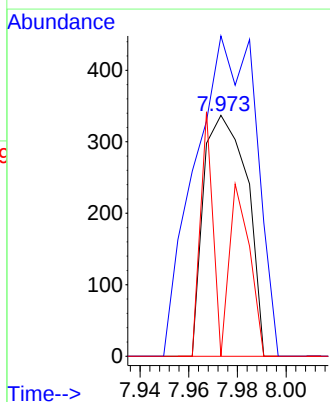
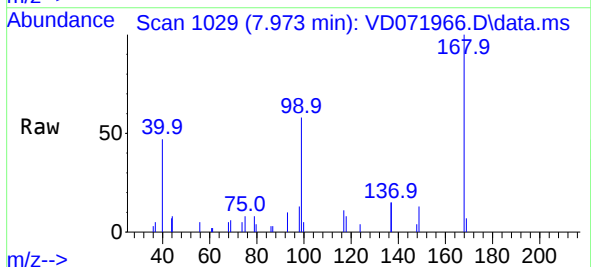
Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.7	46.1#
71	0.0	28.6	43.0#

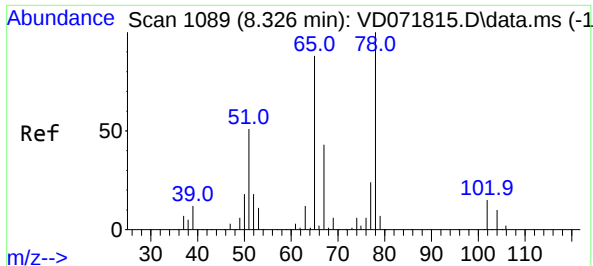


#31
Cyclohexane
Concen: 1.076 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion: 56 Resp: 416

Ion	Ratio	Lower	Upper
56	100		
69	132.9	25.4	38.2#
84	0.0	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 92.358 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071966.D

Acq: 14 Feb 2022 19:29

Instrument :

MSVOA_D

ClientSampleId :

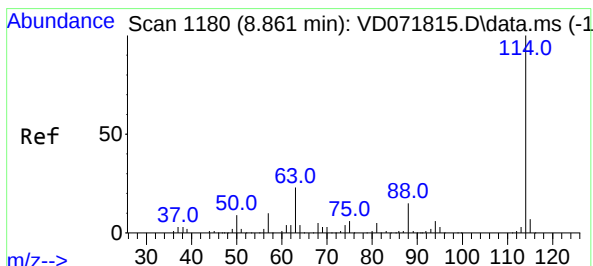
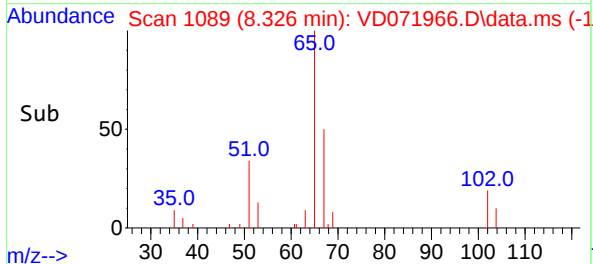
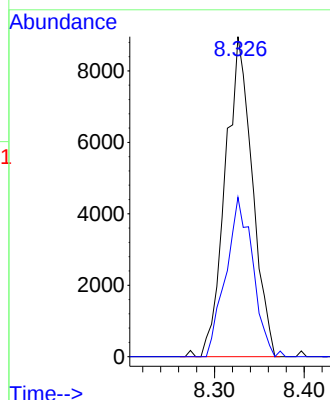
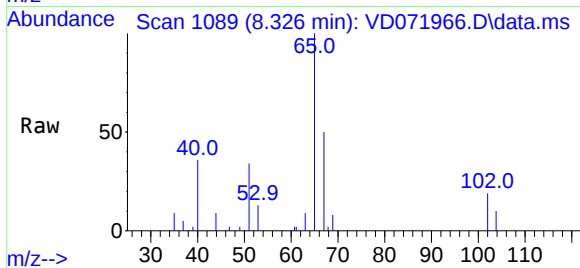
HR-1-021122

Tgt Ion: 65 Resp: 18707

Ion Ratio Lower Upper

65 100

67 49.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD071966.D

Acq: 14 Feb 2022 19:29

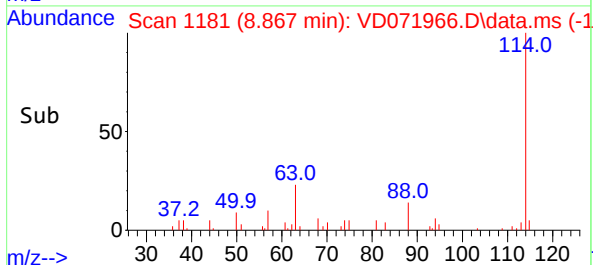
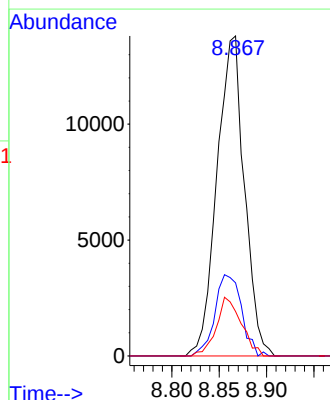
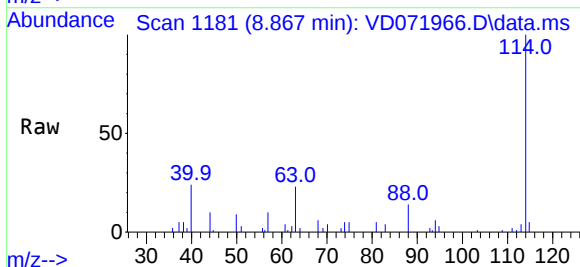
Tgt Ion: 114 Resp: 27816

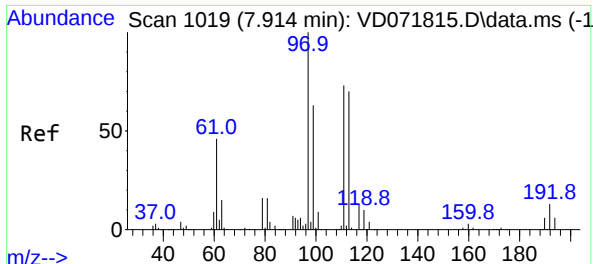
Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.6

88 13.9 0.0 33.2

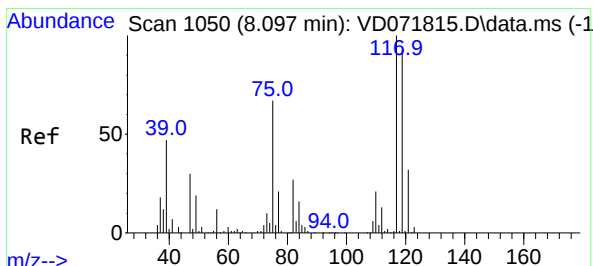
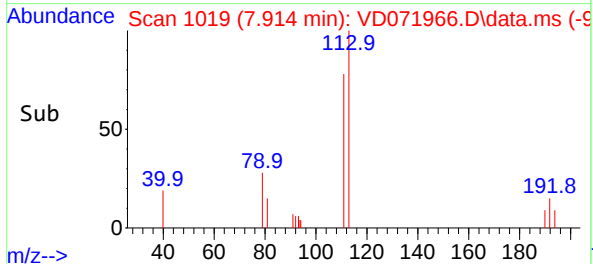
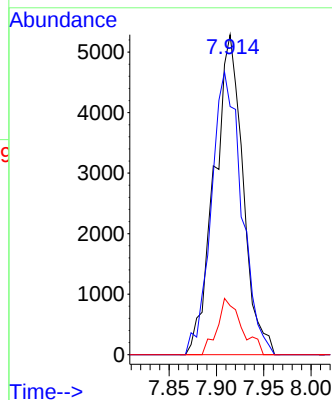
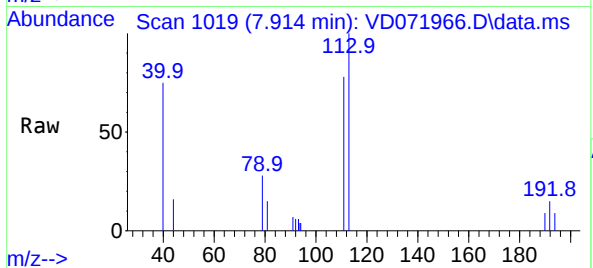




#35
Dibromofluoromethane
Concen: 61.025 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

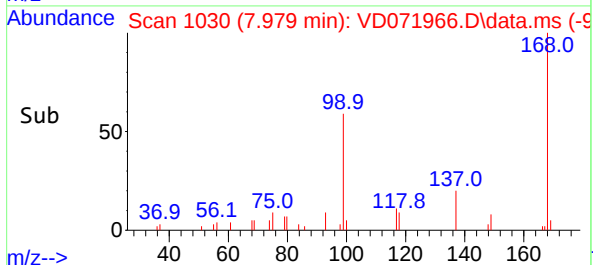
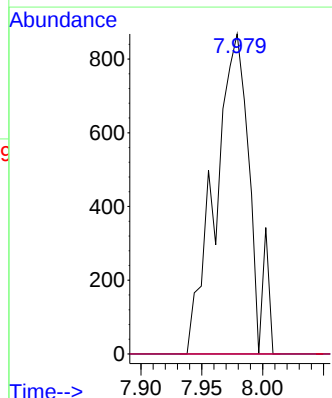
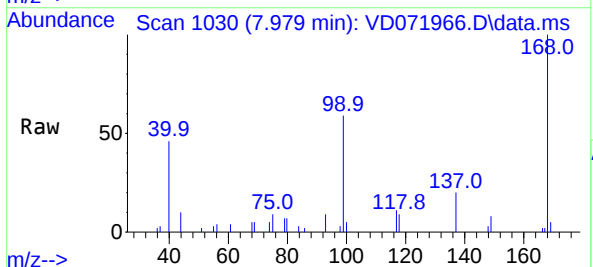
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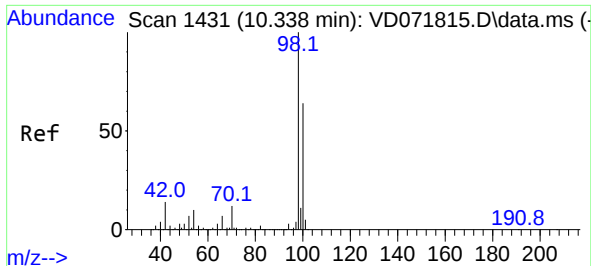
Tgt Ion:113 Resp: 11158
Ion Ratio Lower Upper
113 100
111 93.5 83.8 125.6
192 15.0 14.6 21.8



#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion:117 Resp: 1737
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

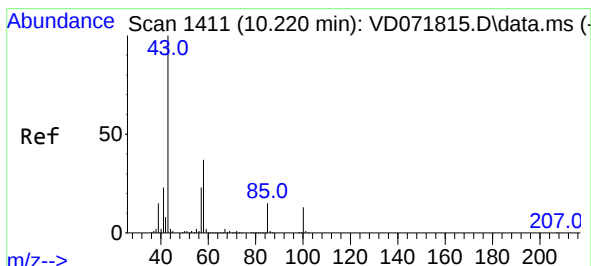
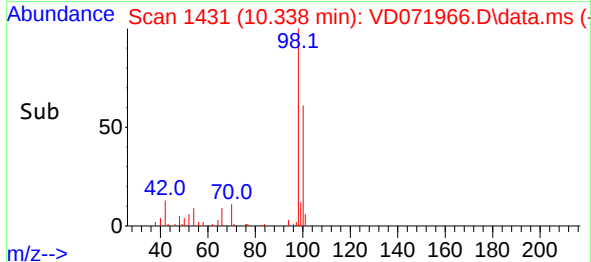
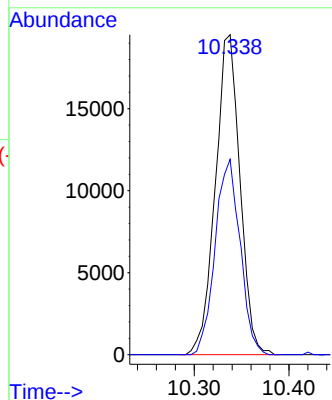
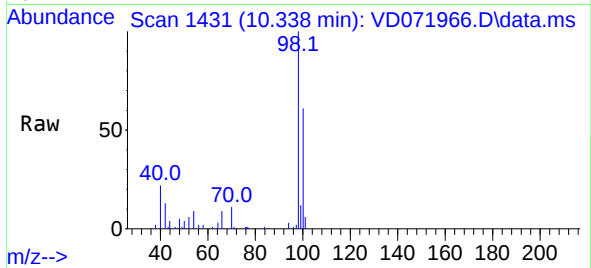




#50
Toluene-d8
Concen: 51.706 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

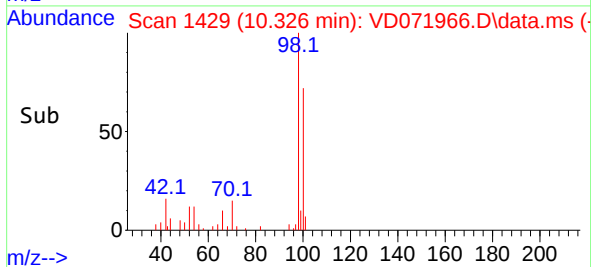
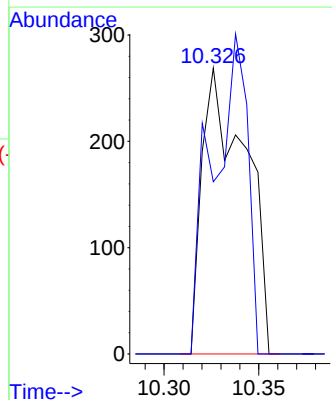
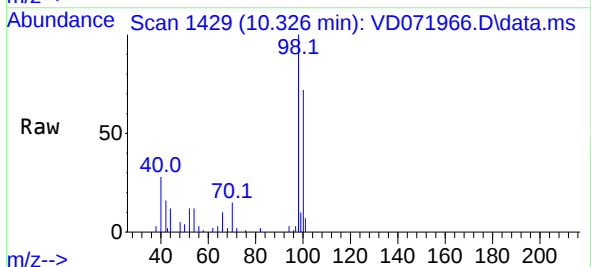
Instrument :
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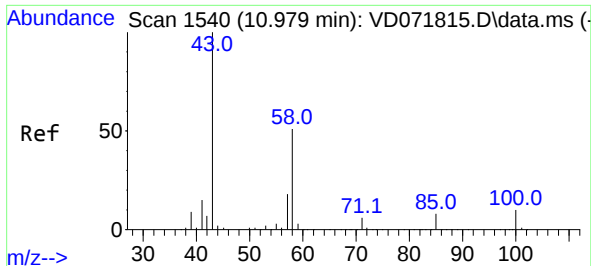
Tgt Ion: 98 Resp: 35308
Ion Ratio Lower Upper
98 100
100 61.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 3.119 ug/l
RT: 10.326 min Scan# 1429
Delta R.T. 0.100 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
58 90.0 28.6 43.0#

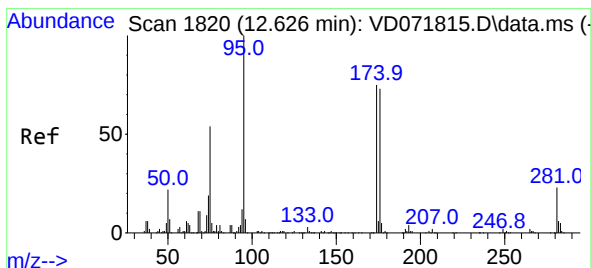
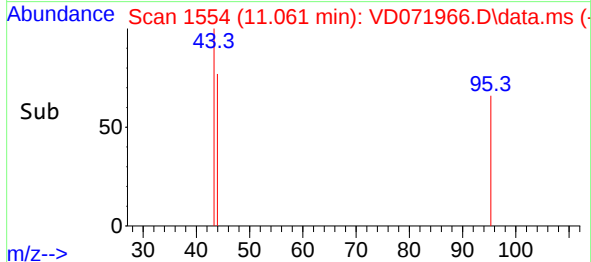
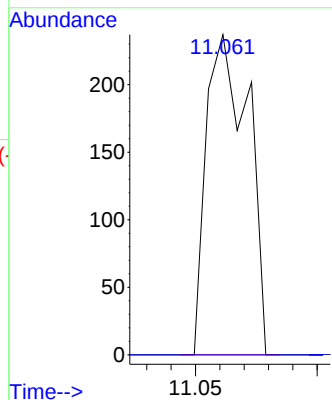
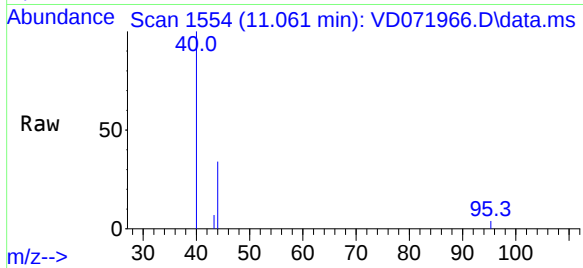




#59
2-Hexanone
Concen: 2.841 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.082 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

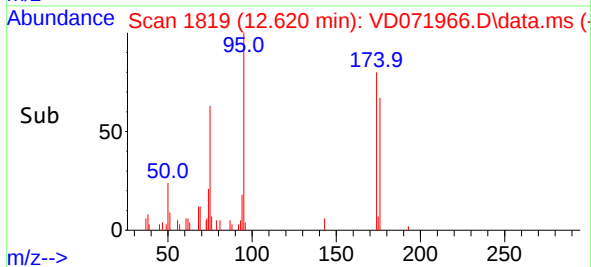
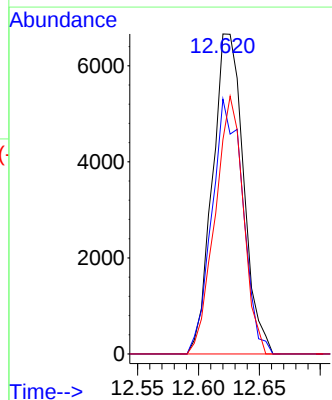
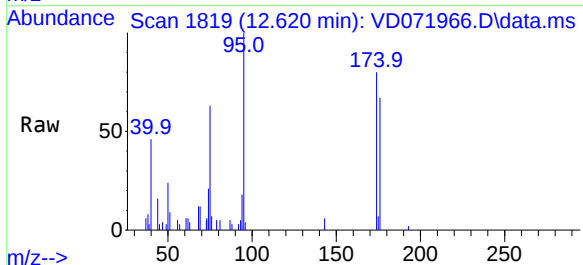
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

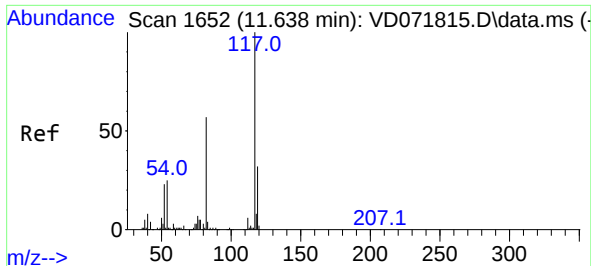
Tgt Ion: 43 Resp: 283
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 49.467 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion: 95 Resp: 11796
Ion Ratio Lower Upper
95 100
174 79.0 0.0 152.8
176 73.5 0.0 145.4

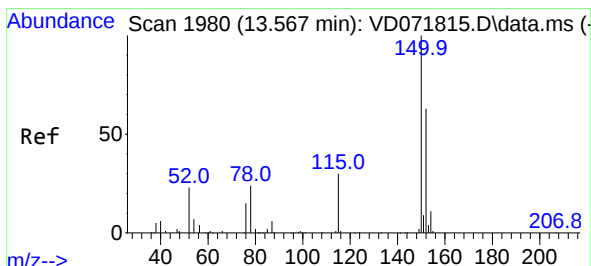
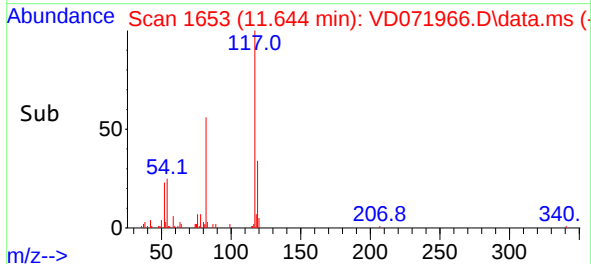
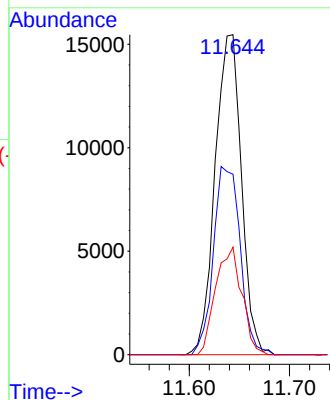
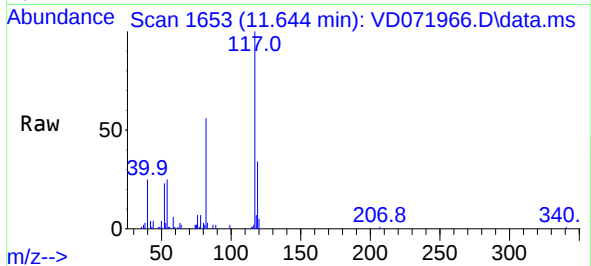




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

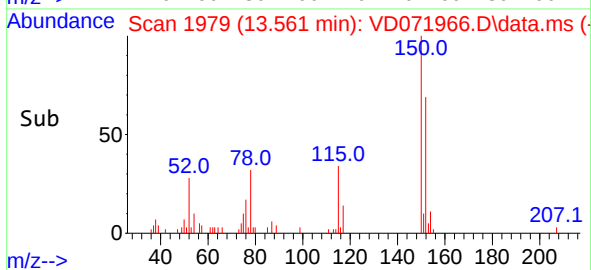
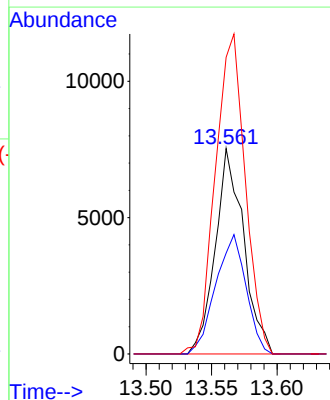
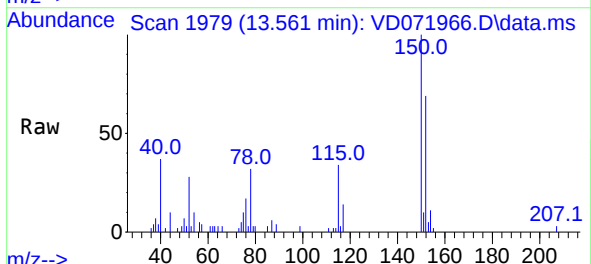
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

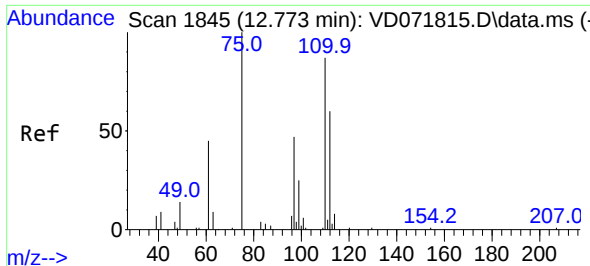
Tgt Ion:117	Resp:	28244
Ion	Ratio	Lower Upper
117	100	
82	56.4	45.3 67.9
119	33.6	26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Tgt Ion:152	Resp:	11299
Ion	Ratio	Lower Upper
152	100	
115	62.5	31.3 93.8
150	164.5	0.0 348.6

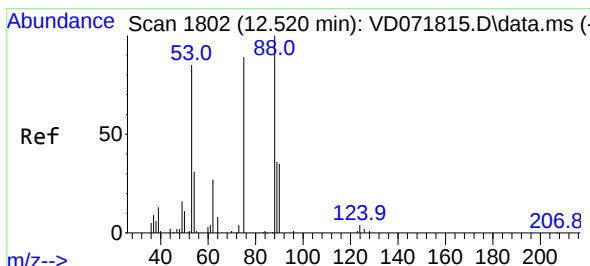
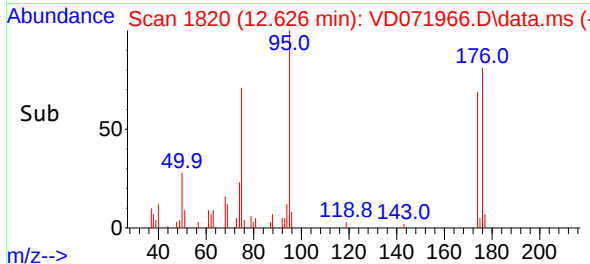
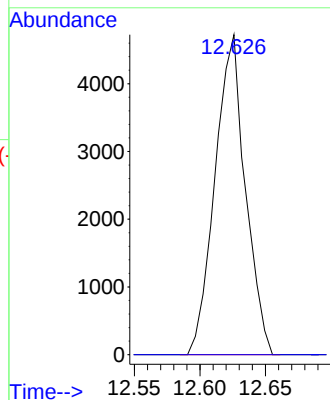
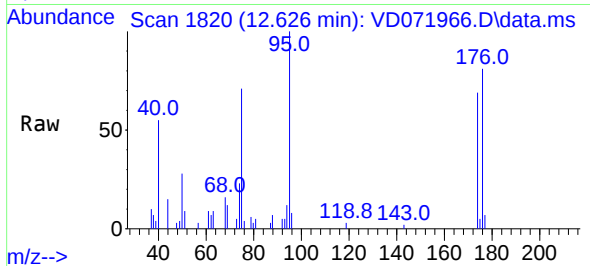




#76
1,2,3-Trichloropropane
Concen: 63.858 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

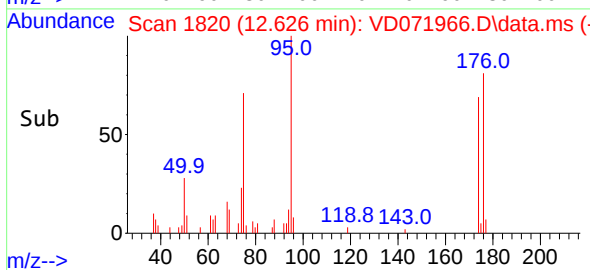
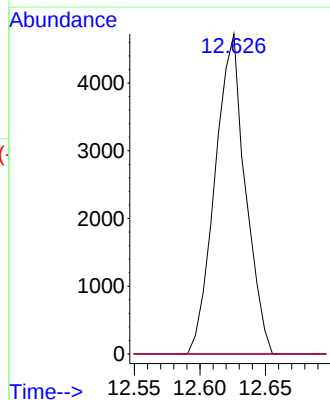
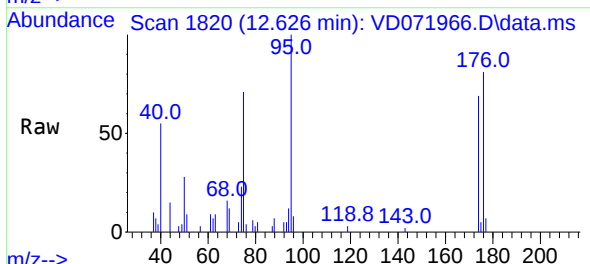
Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122

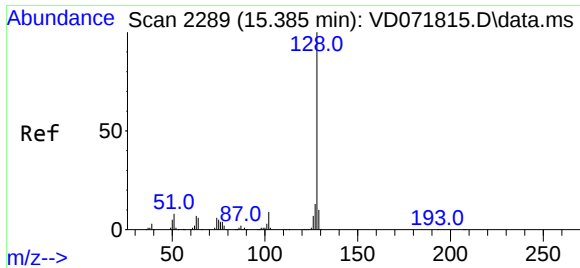
Tgt Ion: 75 Resp: 7604
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 157.011 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

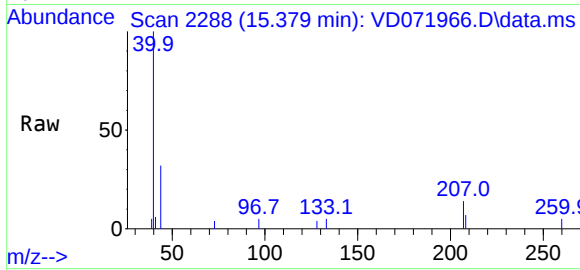
Tgt Ion: 75 Resp: 7604
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 1.592 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071966.D
Acq: 14 Feb 2022 19:29

Instrument :
MSVOA_D
ClientSampleId :
HR-1-021122



Tgt Ion:	128	Resp:	56
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

