

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071933.D
 Acq On : 11 Feb 2022 12:34
 Operator : VA/SY
 Sample : N1487-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:56:50 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)

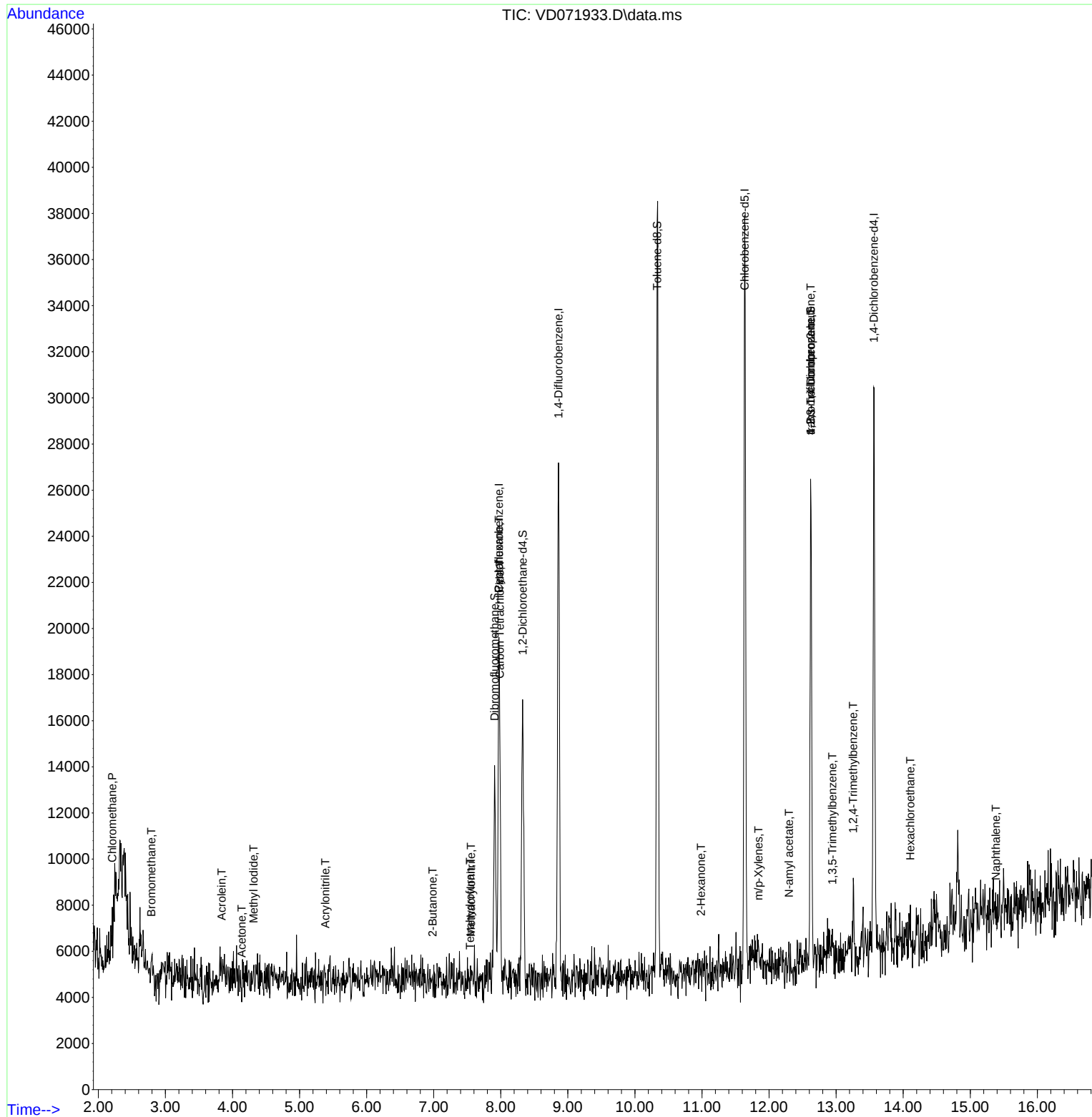
Internal Standards						
1) Pentafluorobenzene	7.973	168	10312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	17583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	17441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	6526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	9482	72.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	145.500%
35) Dibromofluoromethane	7.908	113	5894	50.996	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.000%
50) Toluene-d8	10.332	98	21788	50.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.960%
62) 4-Bromofluorobenzene	12.620	95	7040	46.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	93.400%
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	666	4.549	ug/l #	40
5) Bromomethane	2.791	94	643	6.358	ug/l	90
10) Methyl Iodide	4.314	142	241	1.897	ug/l #	38
13) Acrolein	3.838	56	70	6.047	ug/l #	14
15) Acrylonitrile	5.385	53	71	2.410	ug/l #	17
16) Acetone	4.138	43	317	8.885	ug/l #	47
25) 2-Butanone	6.985	43	54	1.298	ug/l #	52
29) Tetrahydrofuran	7.544	42	56	2.275	ug/l #	38
31) Cyclohexane	7.973	56	273	1.097	ug/l #	61
38) Carbon Tetrachloride	7.985	117	1155	5.888	ug/l #	13
41) Methacrylonitrile	7.555	41	83	1.591	ug/l #	48
59) 2-Hexanone	10.985	43	401	6.369	ug/l #	27
68) m/p-Xylenes	11.843	106	300	1.162	ug/l #	48
74) N-amyl acetate	12.296	43	135	1.086	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	3742	54.409	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.943	105	521	1.243	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.620	75	3742	133.778	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	1464	3.551	ug/l	90
90) Hexachloroethane	14.108	117	107	1.219	ug/l #	17
95) Naphthalene	15.384	128	515	3.660	ug/l #	70

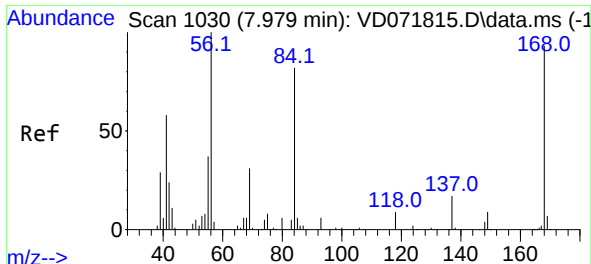
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

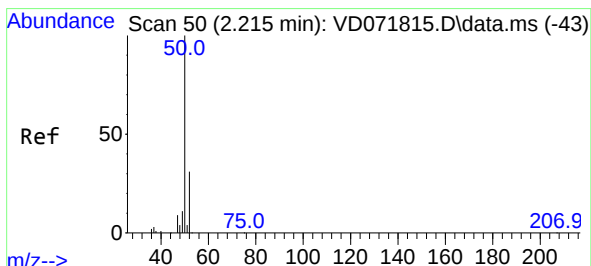
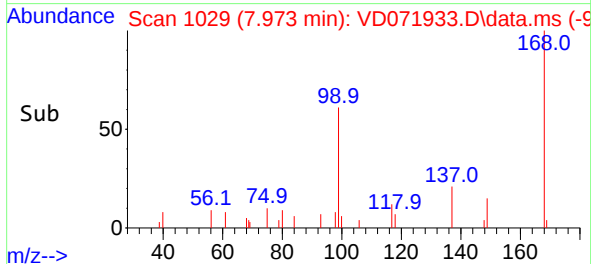
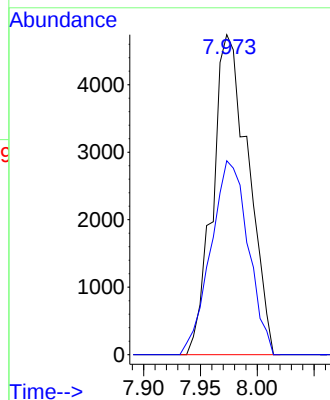
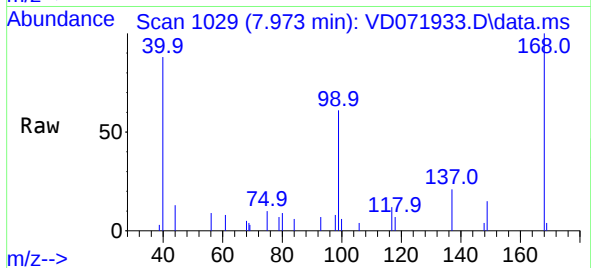




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

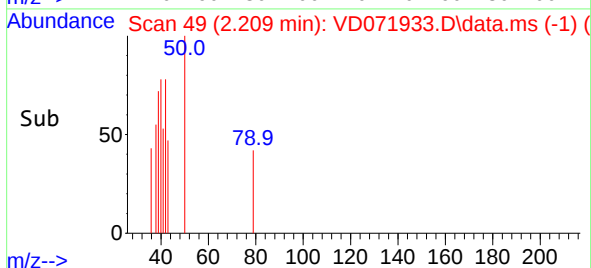
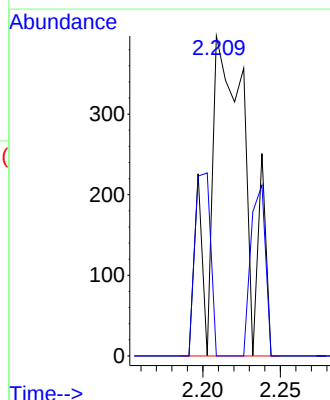
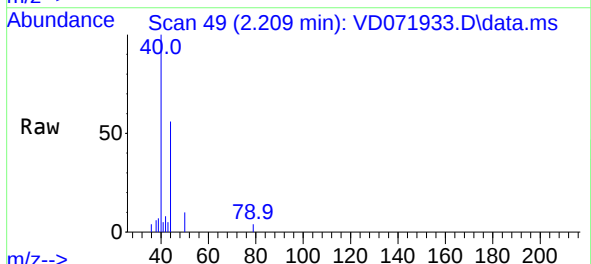
Instrument :
MSVOA_D
ClientSampleId :

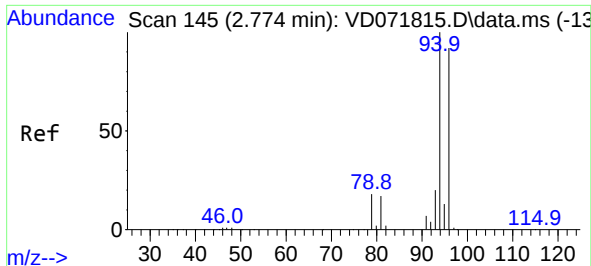
Tgt Ion:168 Resp: 10312
Ion Ratio Lower Upper
168 100
99 60.6 49.8 74.6



#3
Chloromethane
Concen: 4.549 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 50 Resp: 666
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

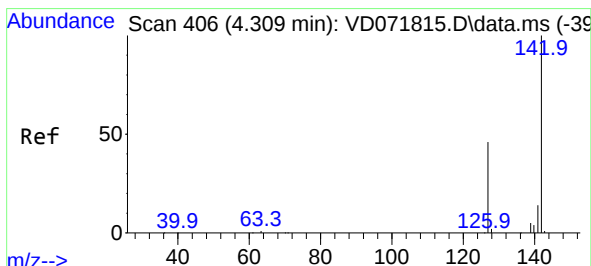
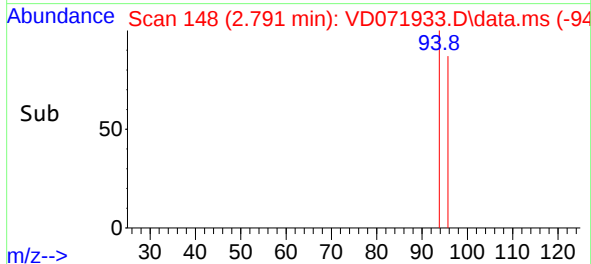
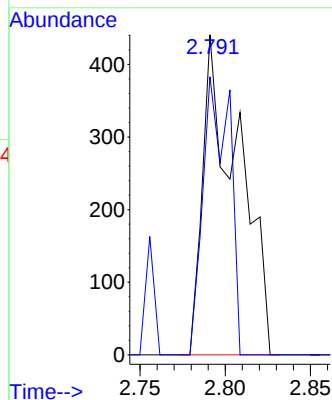
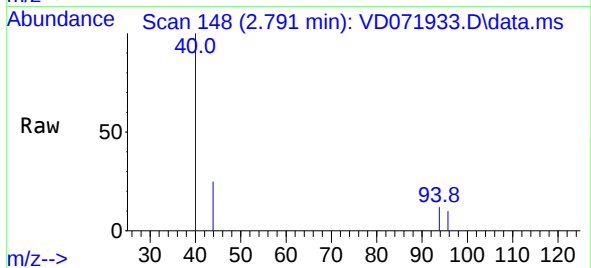




#5
Bromomethane
Concen: 6.358 ug/l
RT: 2.791 min Scan# 14
Delta R.T. 0.018 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

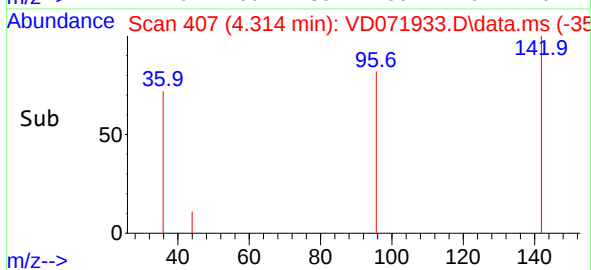
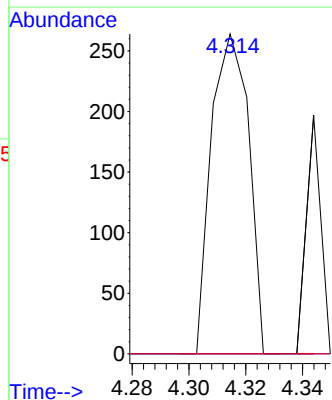
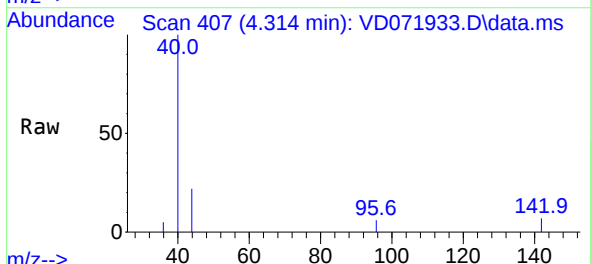
Instrument :
MSVOA_D
ClientSampleId :

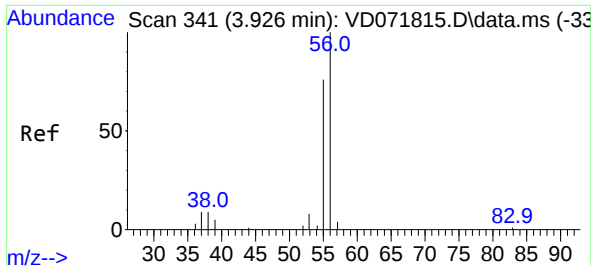
Tgt Ion: 94 Resp: 643
Ion Ratio Lower Upper
94 100
96 86.8 77.6 116.4



#10
Methyl Iodide
Concen: 1.897 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion:142 Resp: 241
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

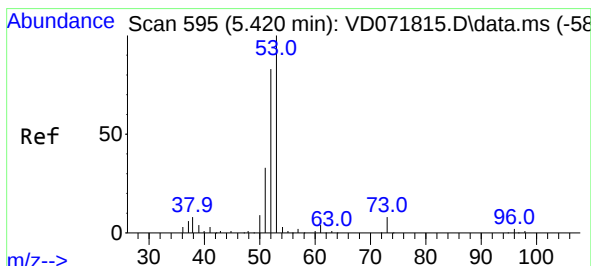
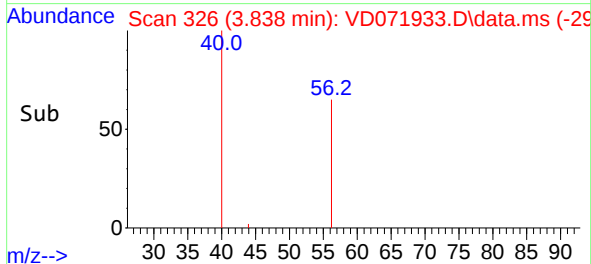
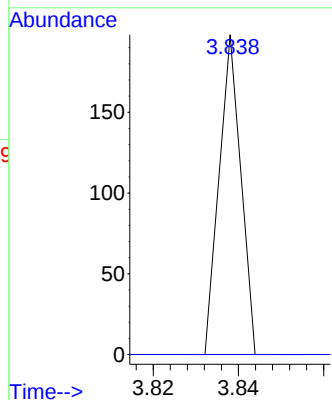
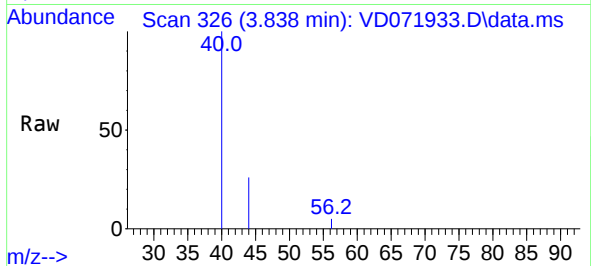




#13
Acrolein
Concen: 6.047 ug/l
RT: 3.838 min Scan# 31
Delta R.T. -0.088 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

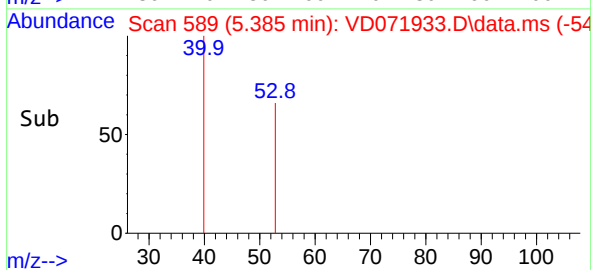
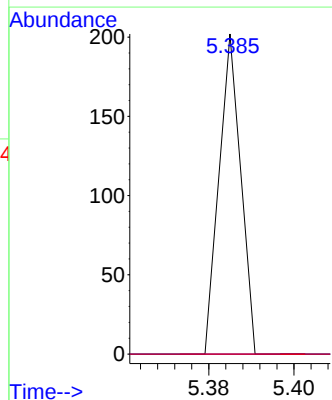
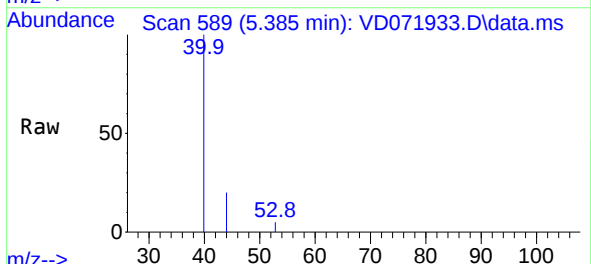
Instrument :
MSVOA_D
ClientSampleId :

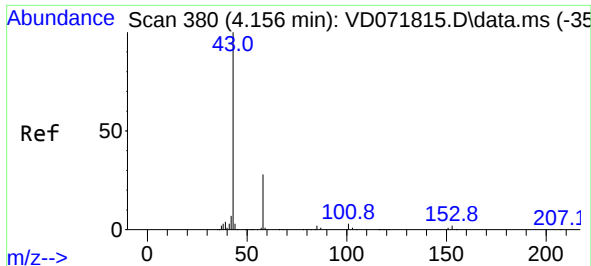
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#15
Acrylonitrile
Concen: 2.410 ug/l
RT: 5.385 min Scan# 589
Delta R.T. -0.035 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 53 Resp: 71
Ion Ratio Lower Upper
53 100
52 0.0 67.2 100.8#
51 0.0 30.3 45.5#

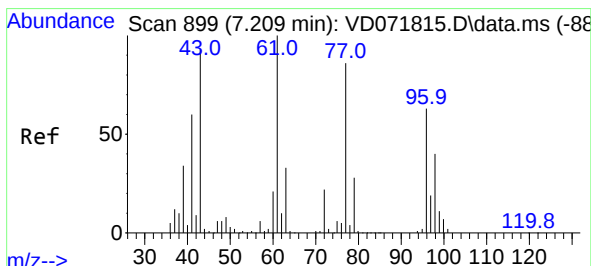
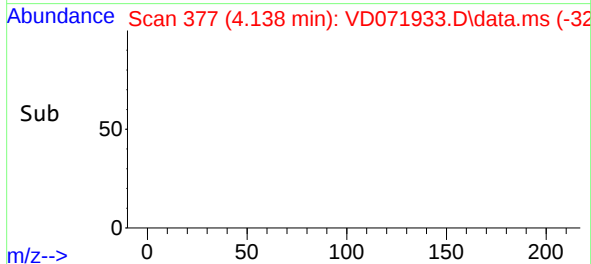
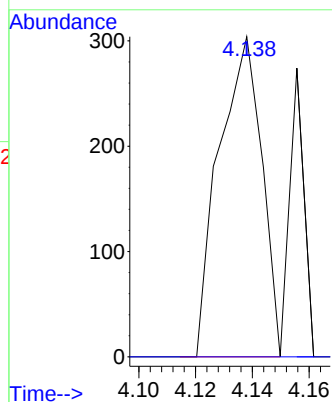
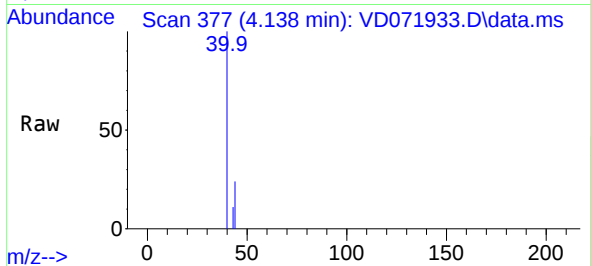




#16
Acetone
Concen: 8.885 ug/l
RT: 4.138 min Scan# 317
Delta R.T. -0.018 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

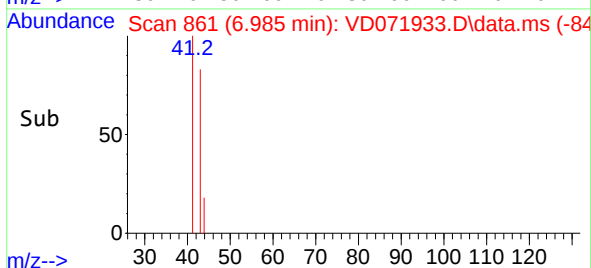
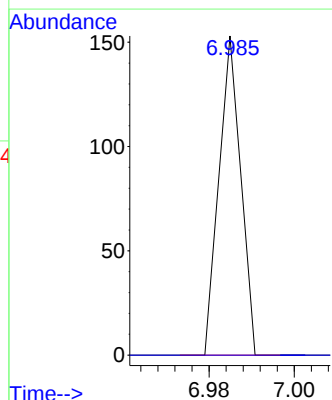
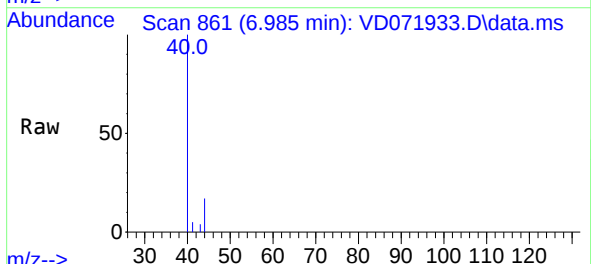
Instrument :
MSVOA_D
ClientSampleId :

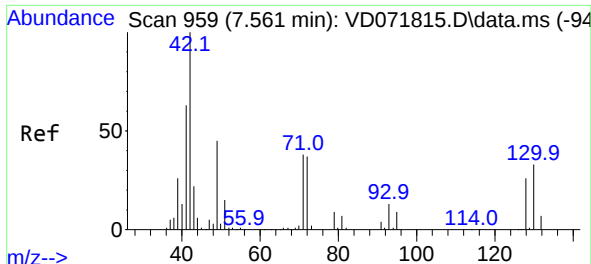
Tgt Ion: 43 Resp: 317
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#25
2-Butanone
Concen: 1.298 ug/l
RT: 6.985 min Scan# 861
Delta R.T. -0.230 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

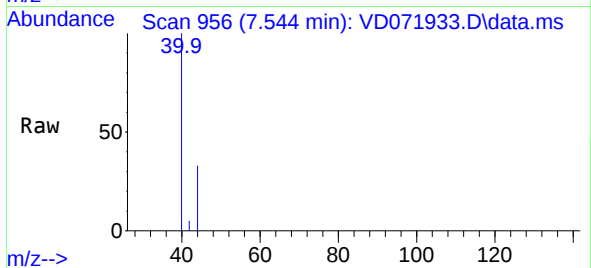
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



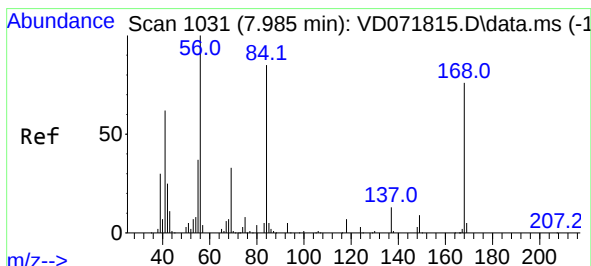
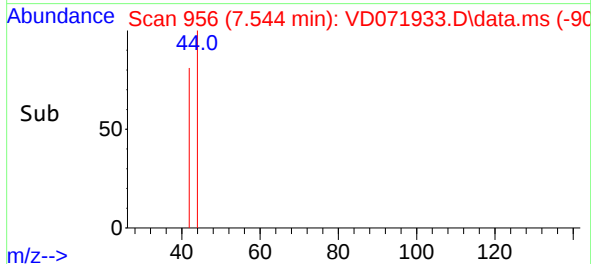
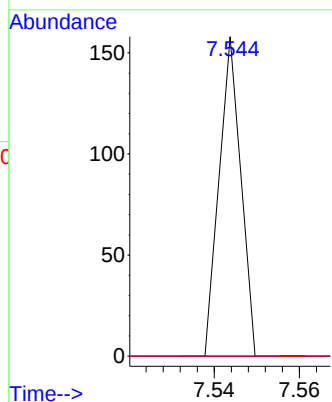


#29
Tetrahydrofuran
Concen: 2.275 ug/l
RT: 7.544 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

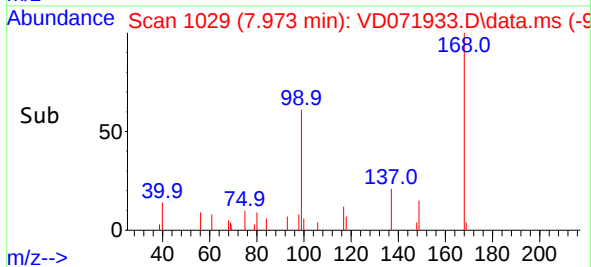
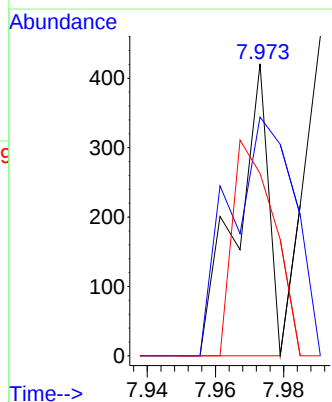
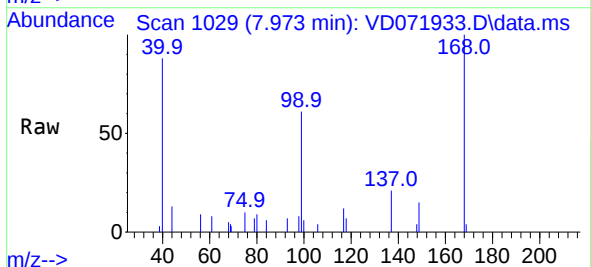


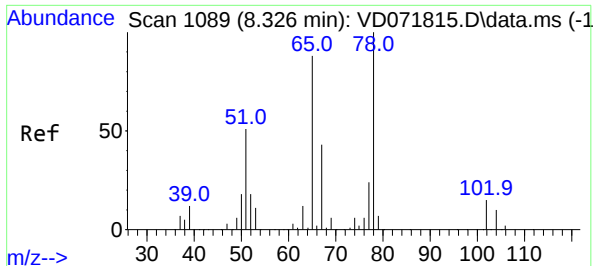
Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#



#31
Cyclohexane
Concen: 1.097 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
69 81.7 25.4 38.2#
84 62.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 72.749 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071933.D

Acq: 11 Feb 2022 12:34

Instrument :

MSVOA_D

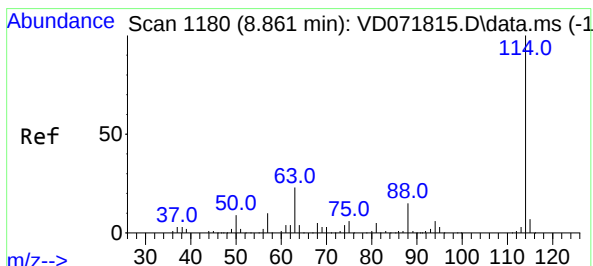
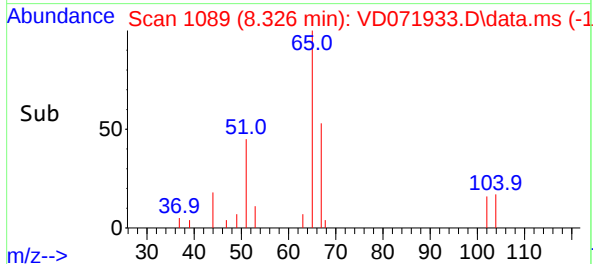
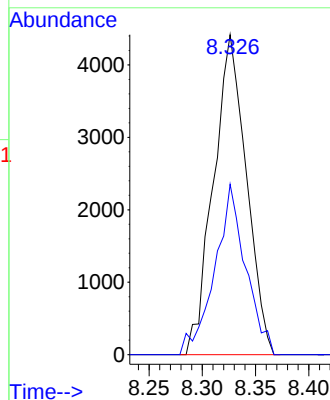
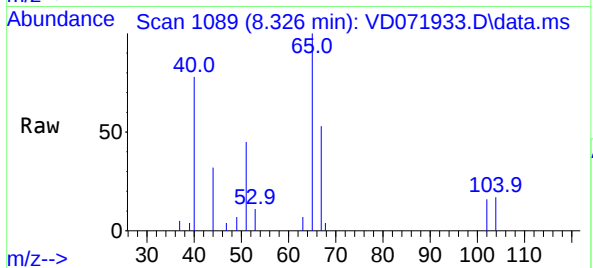
ClientSampleId :

Tgt Ion: 65 Resp: 9482

Ion Ratio Lower Upper

65 100

67 50.0 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: VD071933.D

Acq: 11 Feb 2022 12:34

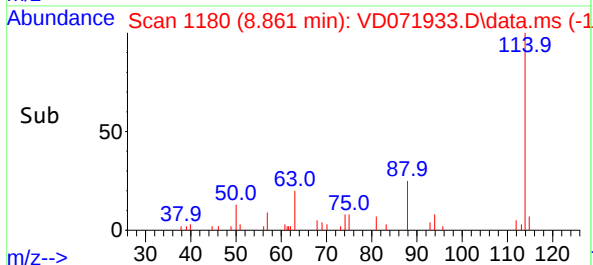
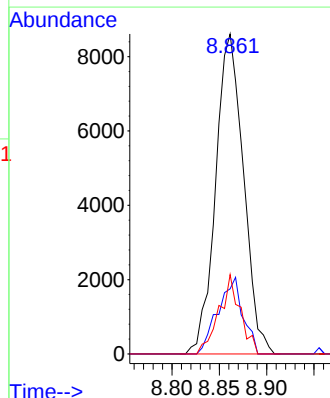
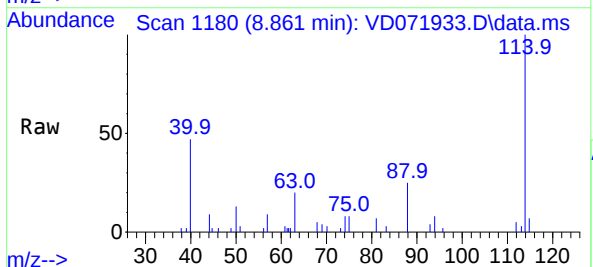
Tgt Ion: 114 Resp: 17583

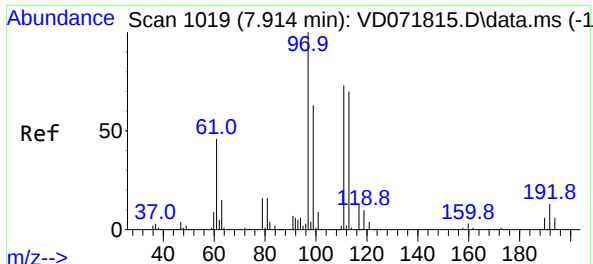
Ion Ratio Lower Upper

114 100

63 20.3 0.0 46.6

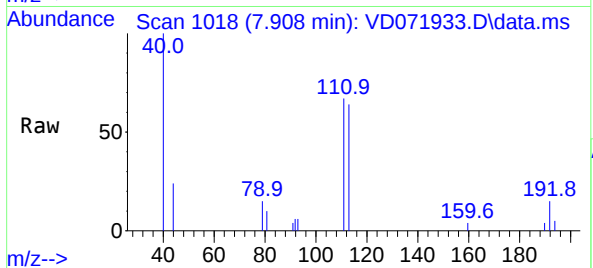
88 24.8 0.0 33.2



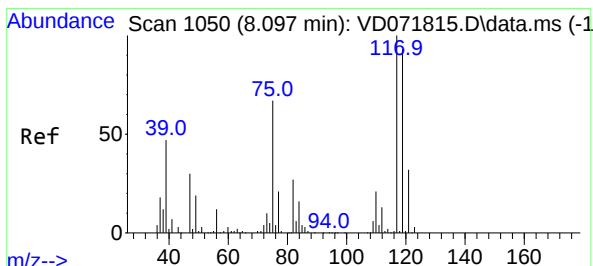
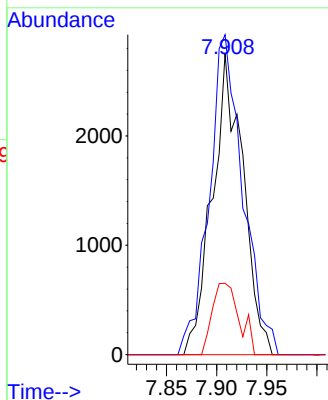
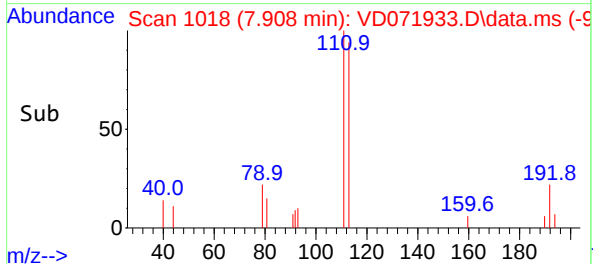


#35
Dibromofluoromethane
Concen: 50.996 ug/l
RT: 7.908 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

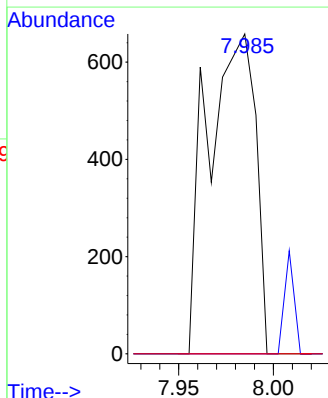
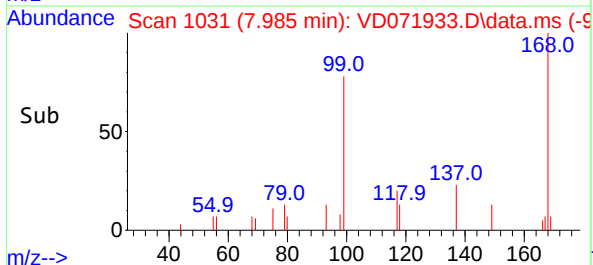
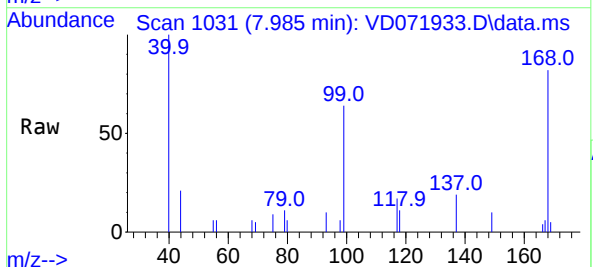


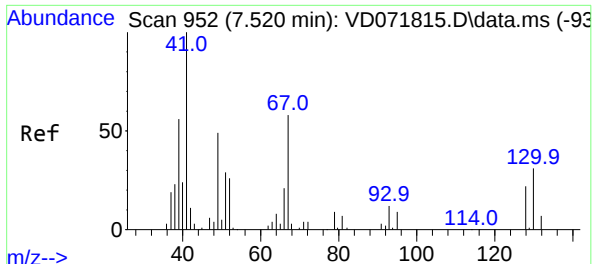
Tgt Ion:113 Resp: 5894
Ion Ratio Lower Upper
113 100
111 115.9 83.8 125.6
192 20.7 14.6 21.8



#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion:117 Resp: 1155
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#

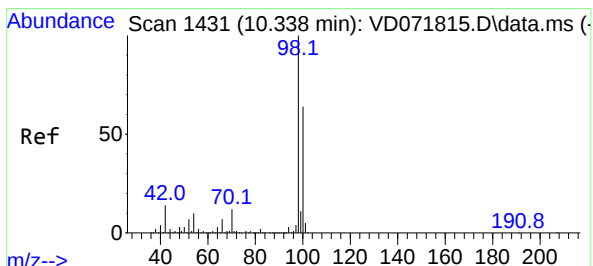
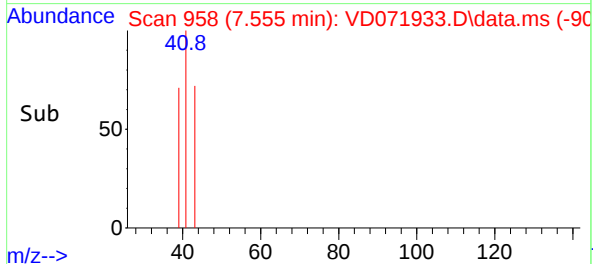
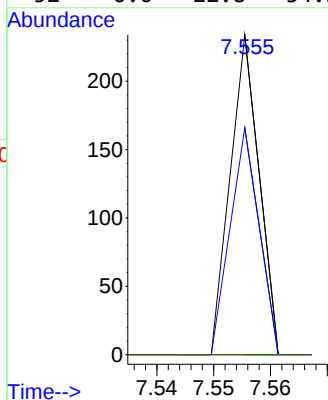
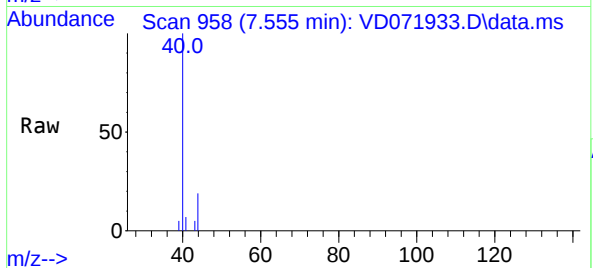




#41
Methacrylonitrile
Concen: 1.591 ug/l
RT: 7.555 min Scan# 91
Delta R.T. 0.035 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

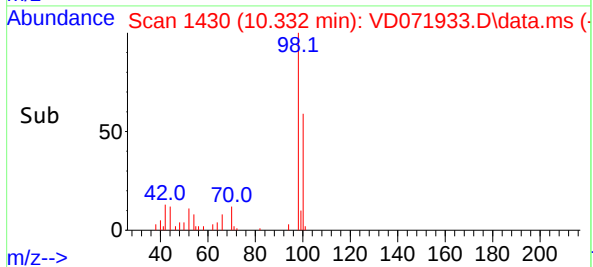
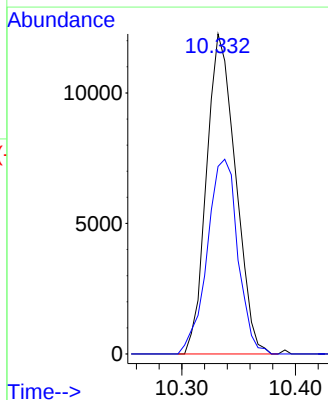
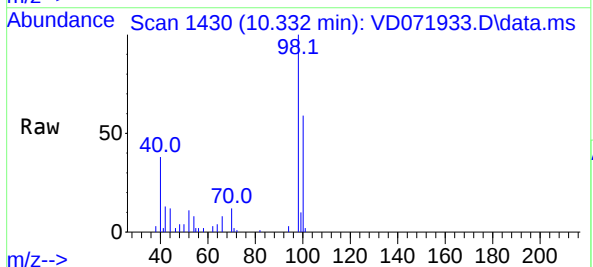
Instrument :
MSVOA_D
ClientSampleId :

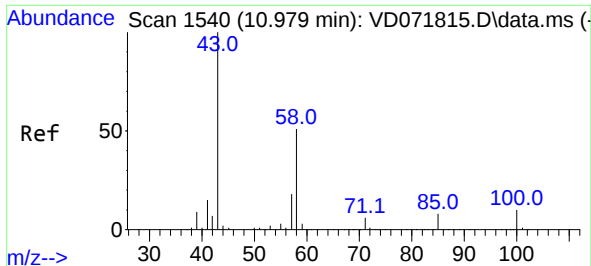
Tgt Ion: 41	Resp: 83
Ion Ratio	Lower Upper
41 100	
39 71.1	44.6 67.0#
67 0.0	48.2 72.4#
52 0.0	22.8 34.2#



#50
Toluene-d8
Concen: 50.477 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion: 98	Resp: 21788
Ion Ratio	Lower Upper
98 100	
100 64.1	52.4 78.6

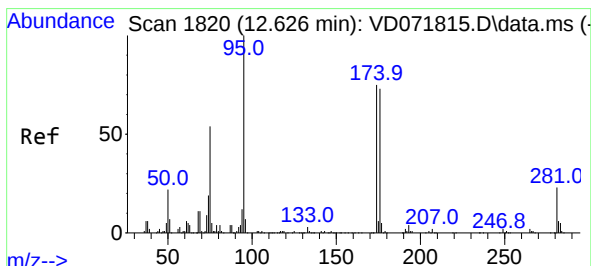
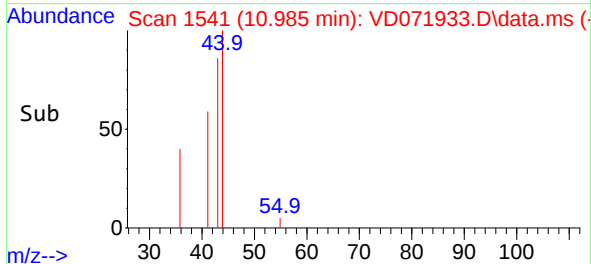
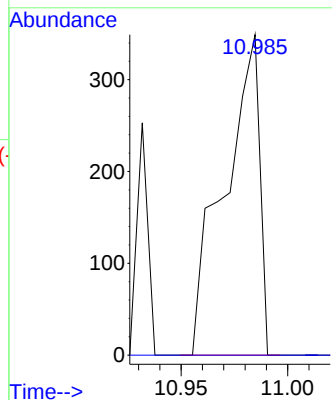
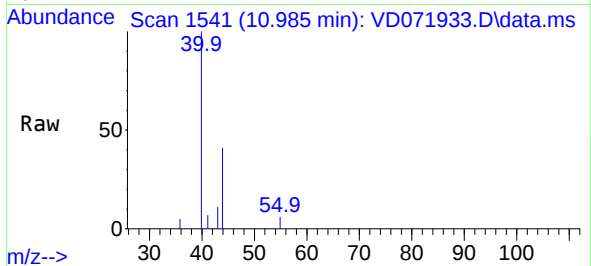




#59
2-Hexanone
Concen: 6.369 ug/l
RT: 10.985 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

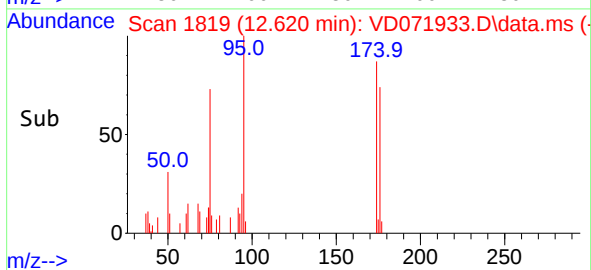
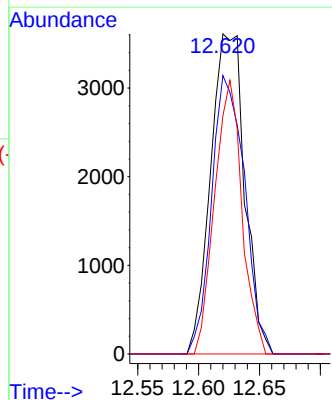
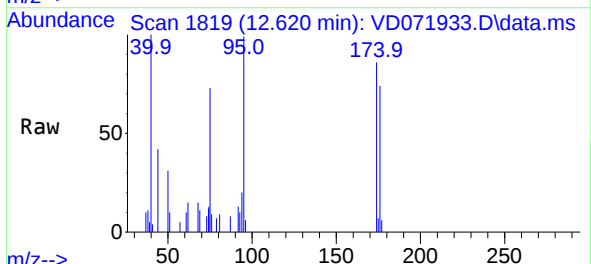
Instrument :
MSVOA_D
ClientSampleId :

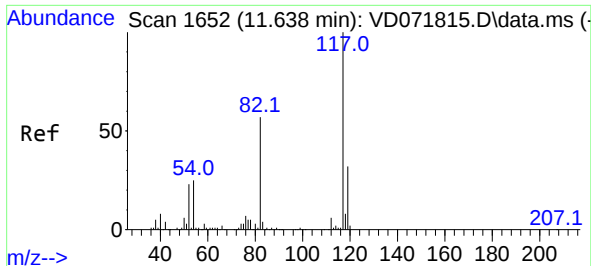
Tgt Ion: 43 Resp: 401
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 46.704 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

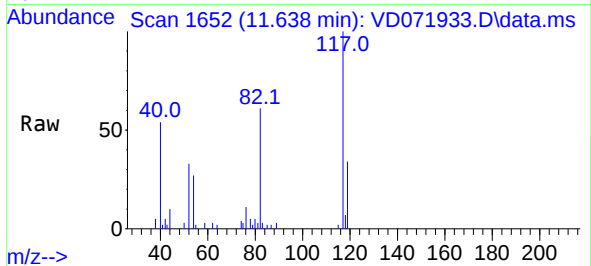
Tgt Ion: 95 Resp: 7040
Ion Ratio Lower Upper
95 100
174 83.8 0.0 152.8
176 68.5 0.0 145.4



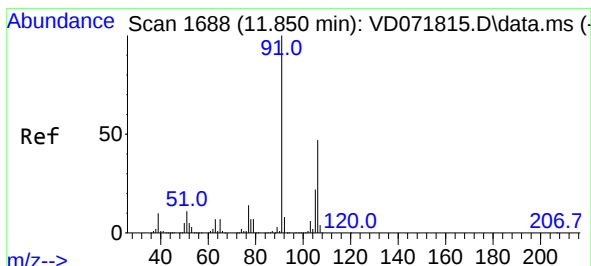
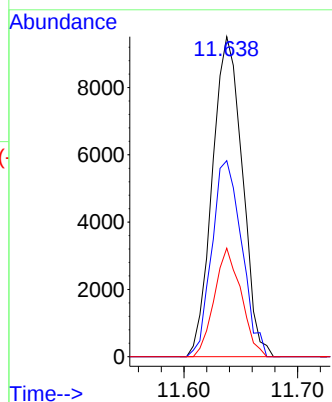


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

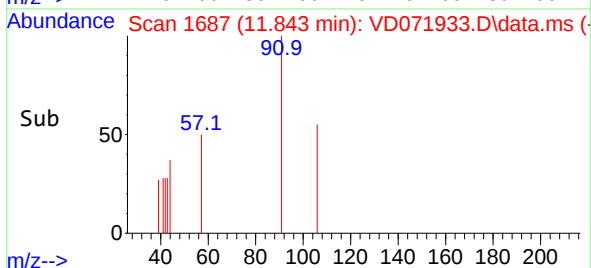
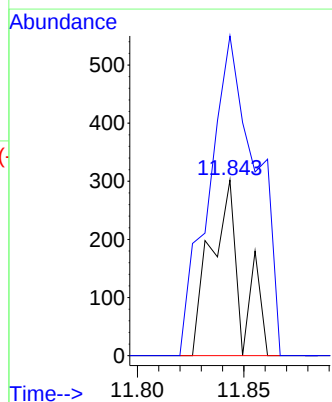
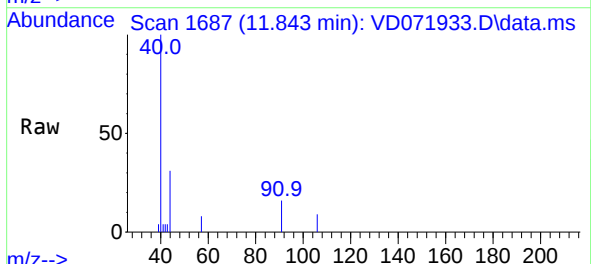


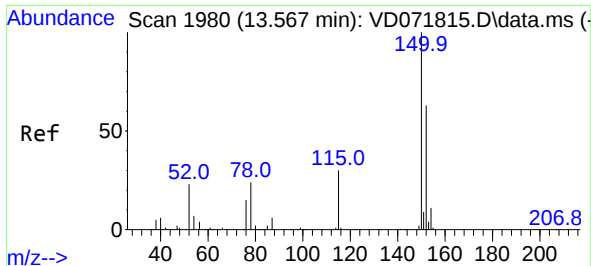
Tgt Ion:	117	Resp:	17441
Ion Ratio	Lower	Upper	
117	100		
82	61.2	45.3	67.9
119	33.9	26.6	40.0



#68
m/p-Xylenes
Concen: 1.162 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

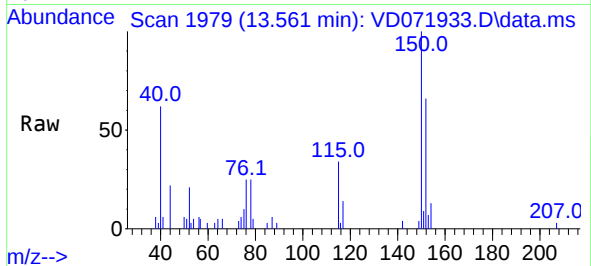
Tgt Ion:	106	Resp:	300
Ion Ratio	Lower	Upper	
106	100		
91	284.0	163.7	245.5#



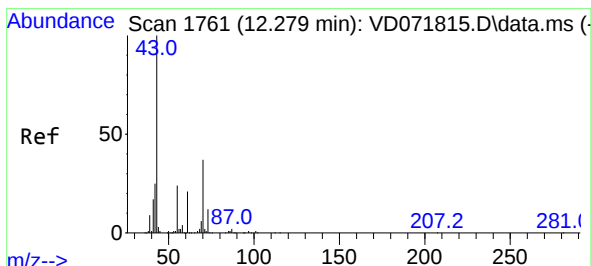
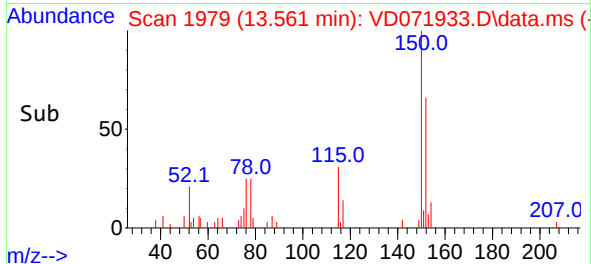
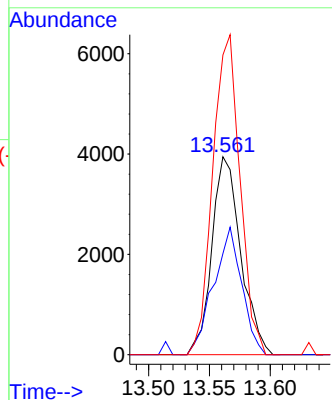


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

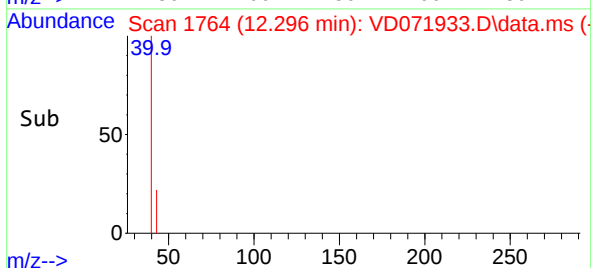
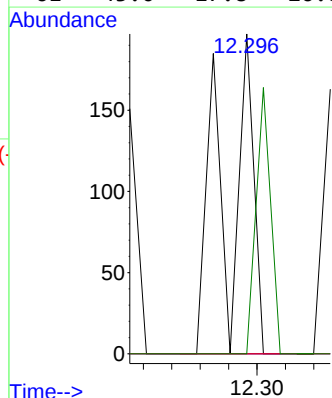
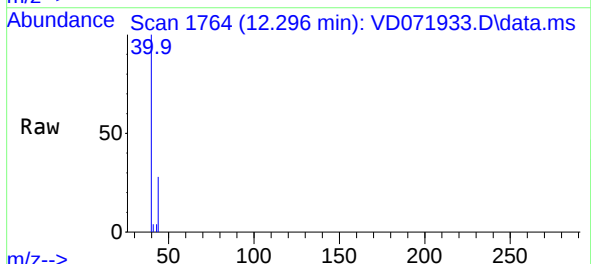


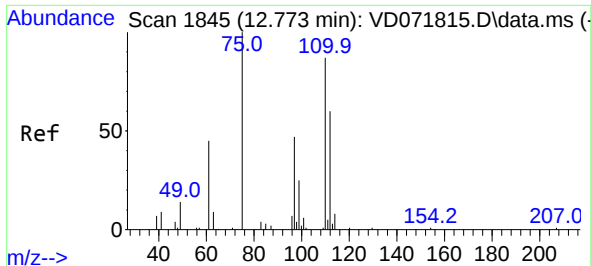
Tgt Ion:152 Resp: 6526
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.8
150 152.6 0.0 348.6



#74
N-ethyl acetate
Concen: 1.086 ug/l
RT: 12.296 min Scan# 1764
Delta R.T. 0.018 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

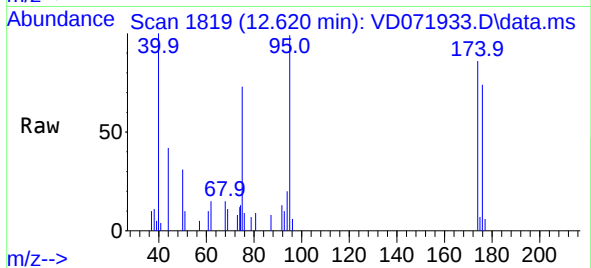
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 0.0 20.0 30.0#
61 43.0 17.8 26.8#



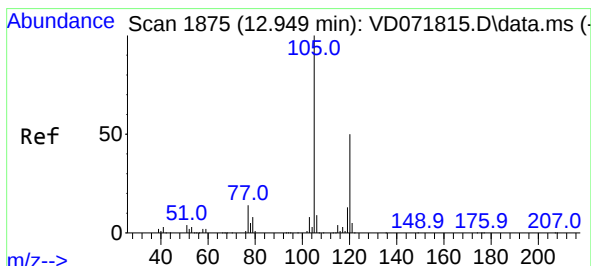
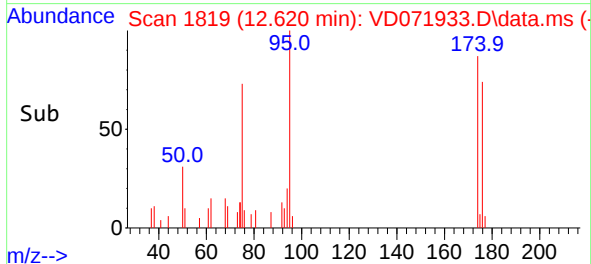
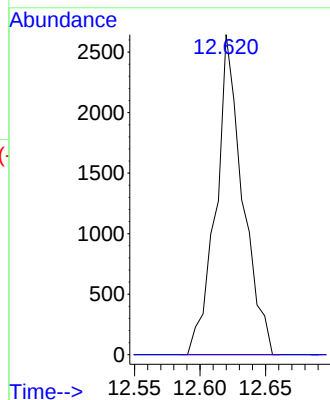


#76
1,2,3-Trichloropropane
Concen: 54.409 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

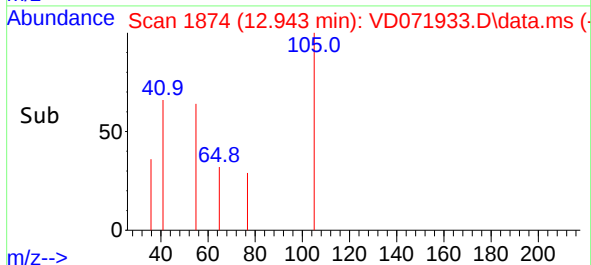
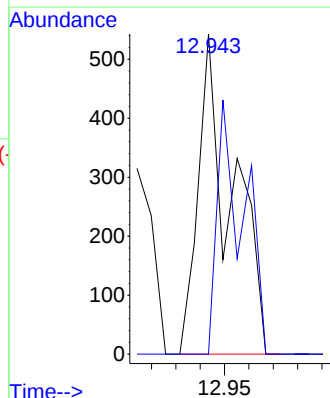
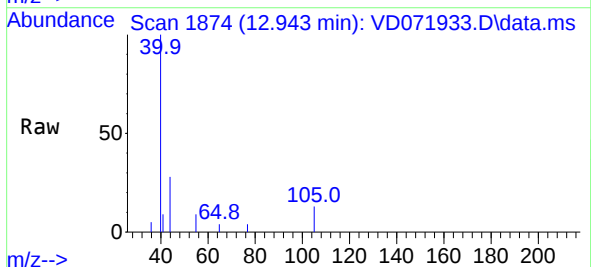


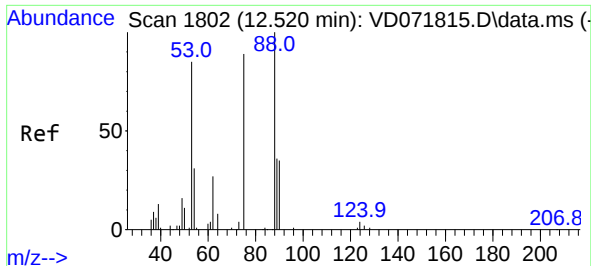
Tgt Ion: 75 Resp: 3742
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#80
1,3,5-Trimethylbenzene
Concen: 1.243 ug/l
RT: 12.943 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

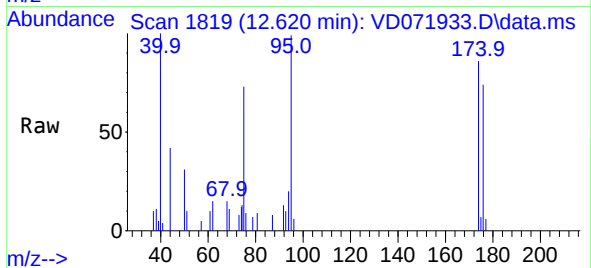
Tgt Ion: 105 Resp: 521
Ion Ratio Lower Upper
105 100
120 61.8 24.3 72.8



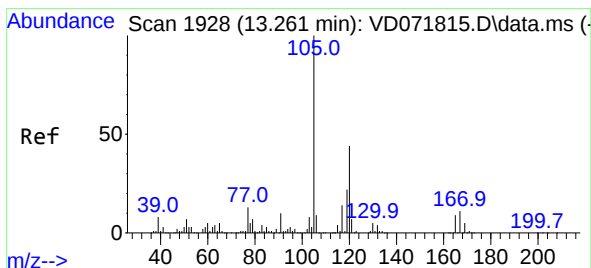
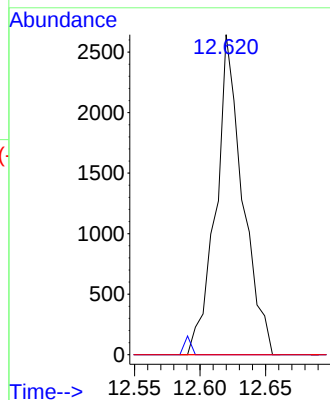
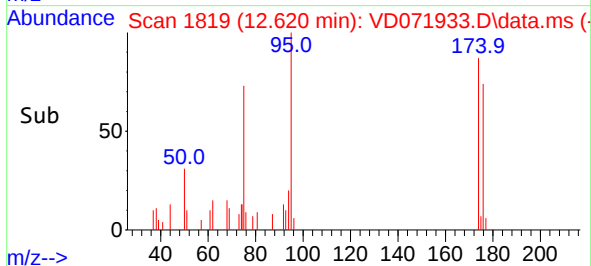


#81
trans-1,4-Dichloro-2-butene
Concen: 133.778 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

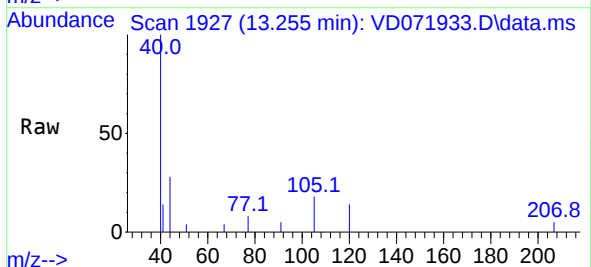
Instrument :
MSVOA_D
ClientSampleId :



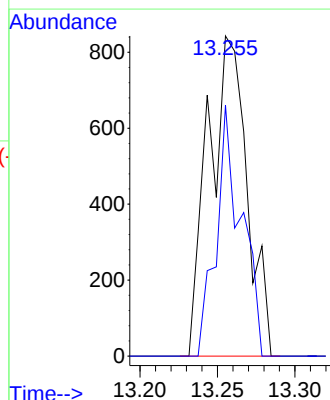
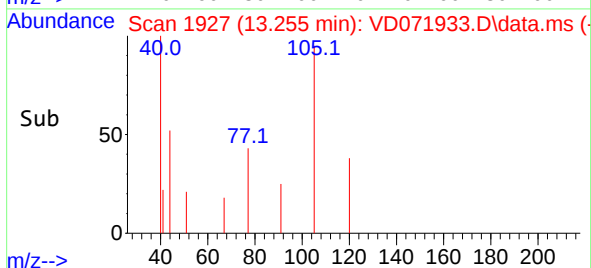
Tgt Ion: 75 Resp: 3742
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

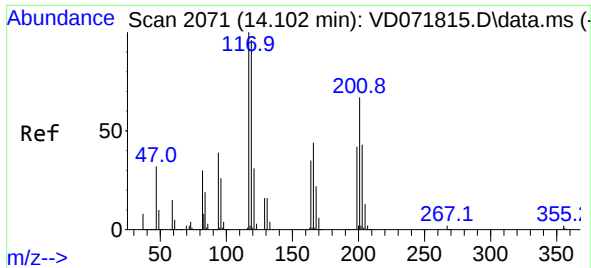


#84
1,2,4-Trimethylbenzene
Concen: 3.551 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34



Tgt Ion: 105 Resp: 1464
Ion Ratio Lower Upper
105 100
120 50.8 22.3 66.8

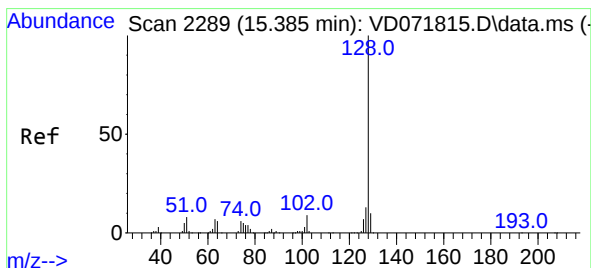
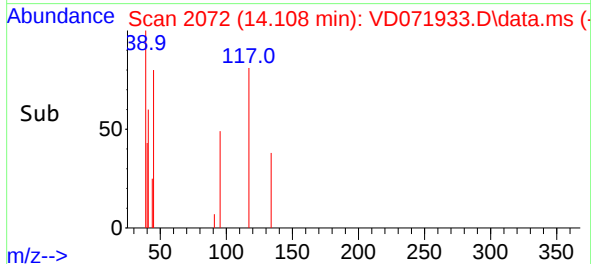
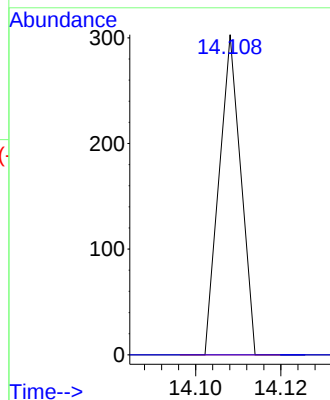
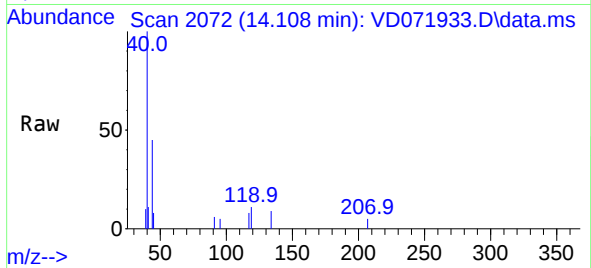




#90
Hexachloroethane
Concen: 1.219 ug/l
RT: 14.108 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 107
Ion Ratio Lower Upper
117 100
201 0.0 33.4 100.2#



#95
Naphthalene
Concen: 3.660 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD071933.D
Acq: 11 Feb 2022 12:34

Tgt Ion:128 Resp: 515
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

