

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071936.D
 Acq On : 11 Feb 2022 14:16
 Operator : VA/SY
 Sample : N1496-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:57:58 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	432412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	821829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	762361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	338755	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	265046	48.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.980%
35) Dibromofluoromethane	7.914	113	259080	47.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.920%
50) Toluene-d8	10.338	98	1038647	51.482	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.960%
62) 4-Bromofluorobenzene	12.620	95	350500	49.749	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.500%

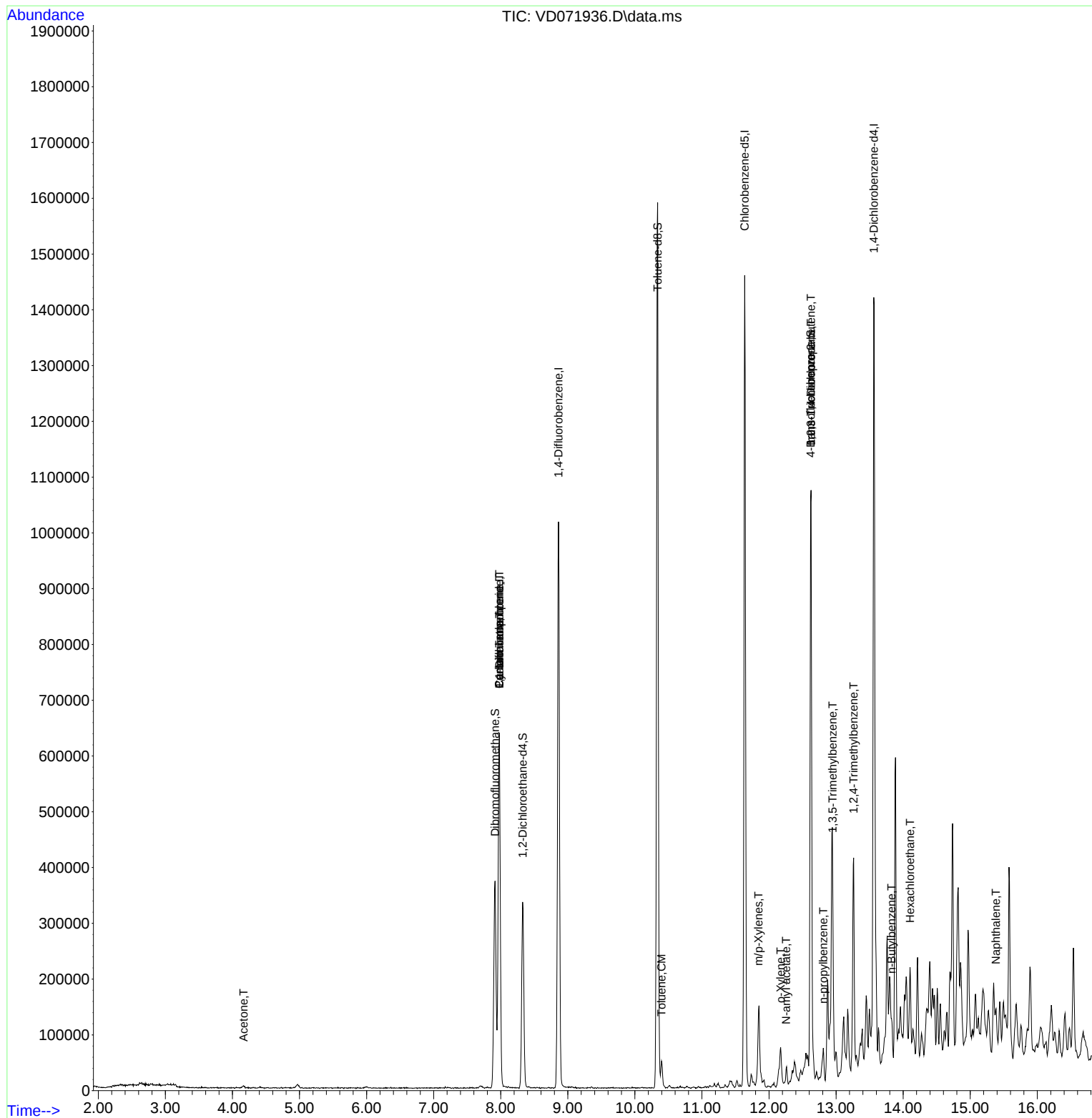
Target Compounds			Qvalue			
16) Acetone	4.168	43	5640	3.770	ug/l	99
20) Methylene Chloride	4.962	84	2426	Below Cal	#	79
31) Cyclohexane	7.979	56	12241	1.173	ug/l #	4
36) 1,1-Dichloropropene	7.979	75	41225	4.446	ug/l #	50
38) Carbon Tetrachloride	7.979	117	48466	5.286	ug/l #	17
52) Toluene	10.397	92	16876	1.084	ug/l	100
68) m/p-Xylenes	11.844	106	23211	2.056	ug/l	96
69) o-Xylene	12.173	106	14893	1.452	ug/l	96
74) N-amyl acetate	12.255	43	6966	1.080	ug/l #	70
76) 1,2,3-Trichloropropane	12.626	75	192383	53.888	ug/l #	100
78) n-propylbenzene	12.808	91	36885	1.121	ug/l	98
80) 1,3,5-Trimethylbenzene	12.949	105	57811	2.657	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.626	75	192383	132.498	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.261	105	208604	9.747	ug/l	100
89) n-Butylbenzene	13.826	91	50812	2.259	ug/l #	71
90) Hexachloroethane	14.102	117	8130	1.784	ug/l #	17
95) Naphthalene	15.385	128	51247	5.682	ug/l #	88

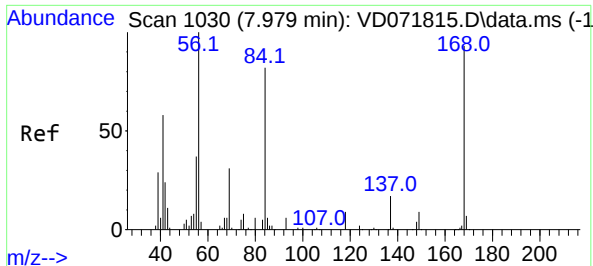
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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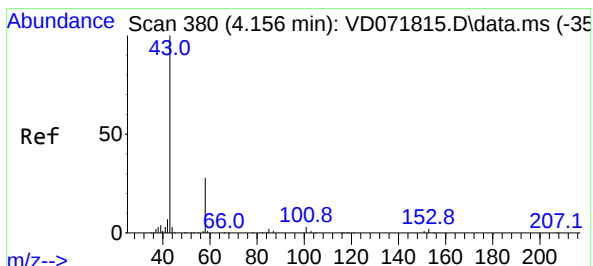
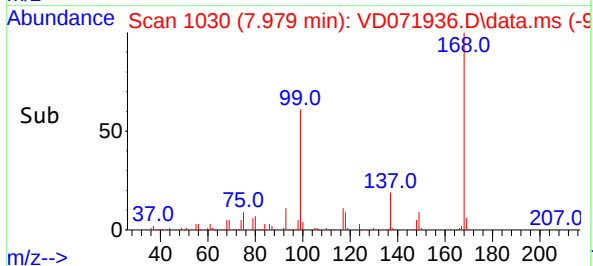
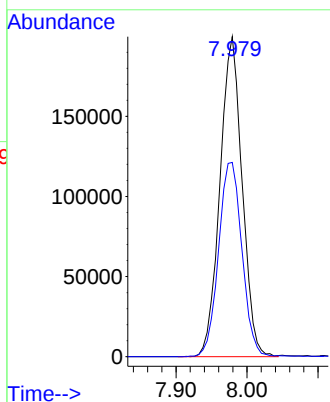
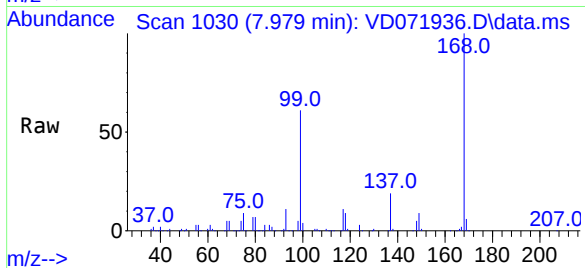




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

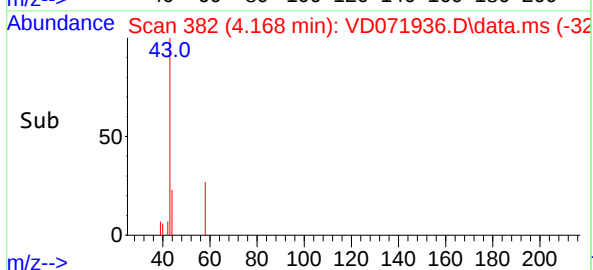
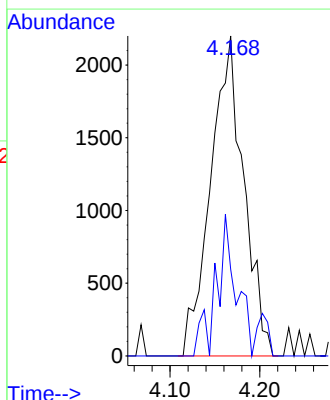
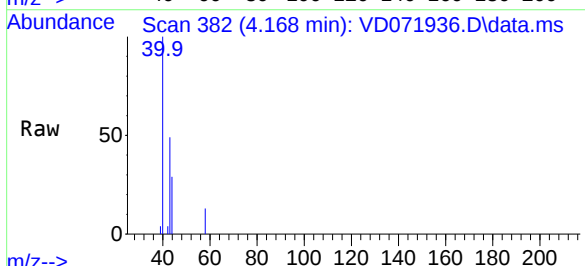
Instrument :
MSVOA_D
ClientSampleId :

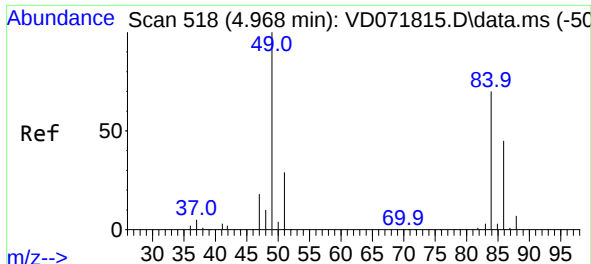
Tgt Ion:168 Resp: 432412
Ion Ratio Lower Upper
168 100
99 60.7 49.8 74.6



#16
Acetone
Concen: 3.770 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

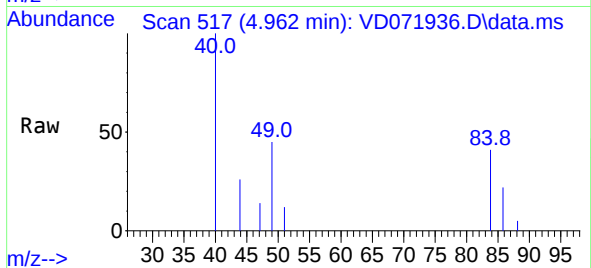
Tgt Ion: 43 Resp: 5640
Ion Ratio Lower Upper
43 100
58 27.1 22.1 33.1





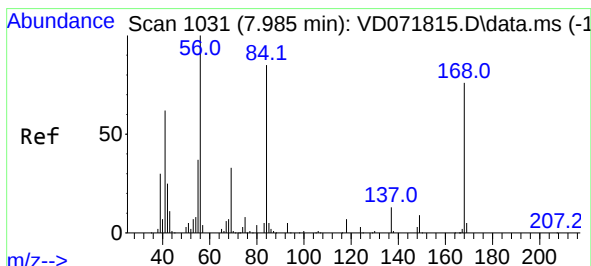
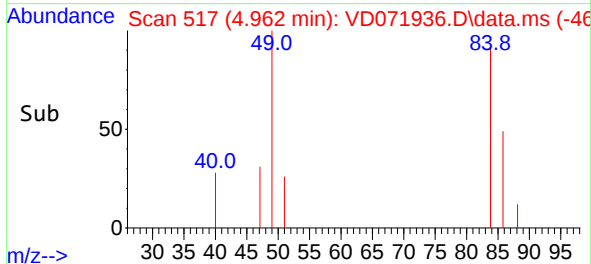
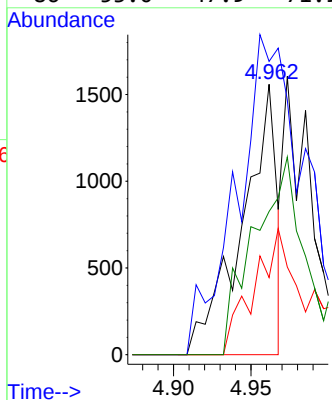
#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 518
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 2426

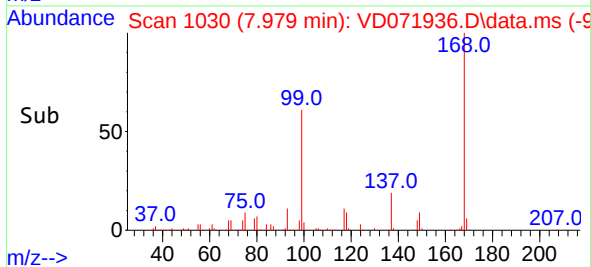
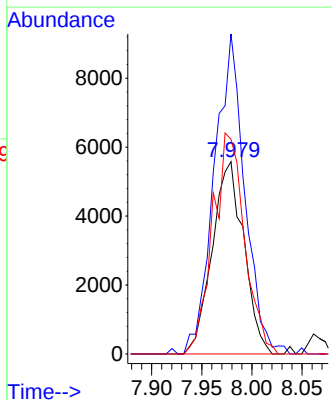
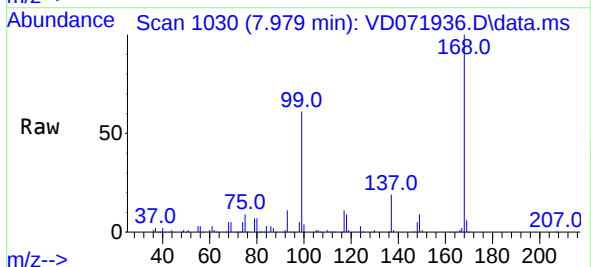
Ion	Ratio	Lower	Upper
84	100		
49	108.5	112.8	169.2#
51	28.5	32.6	48.8#
86	53.0	47.9	71.9

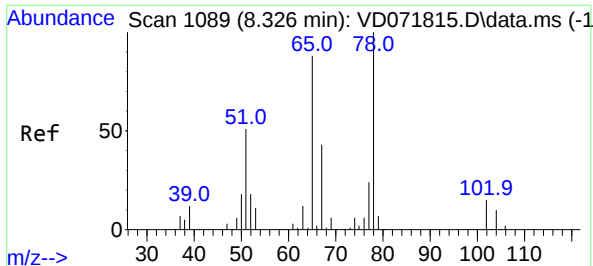


#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion: 56 Resp: 12241

Ion	Ratio	Lower	Upper
56	100		
69	166.3	25.4	38.2#
84	111.6	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.495 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071936.D

Acq: 11 Feb 2022 14:16

Instrument :

MSVOA_D

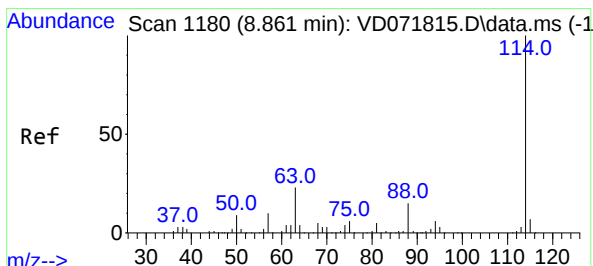
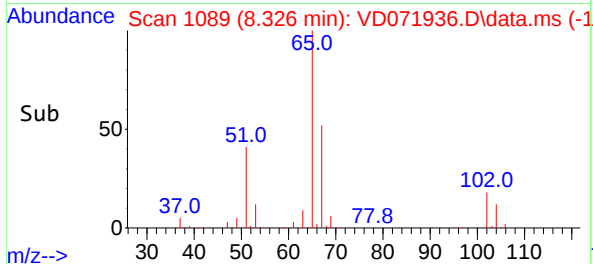
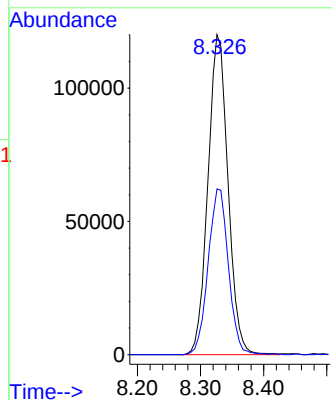
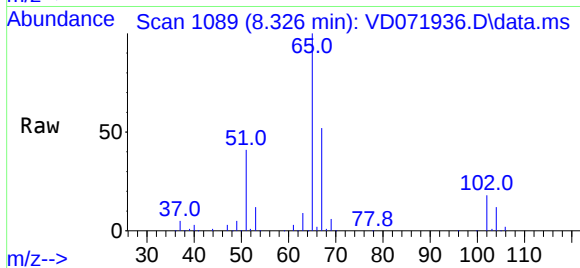
ClientSampleId :

Tgt Ion: 65 Resp: 265046

Ion Ratio Lower Upper

65 100

67 52.2 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: VD071936.D

Acq: 11 Feb 2022 14:16

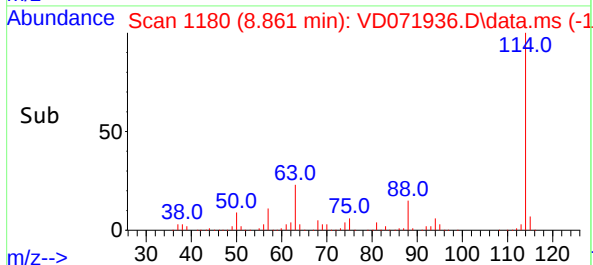
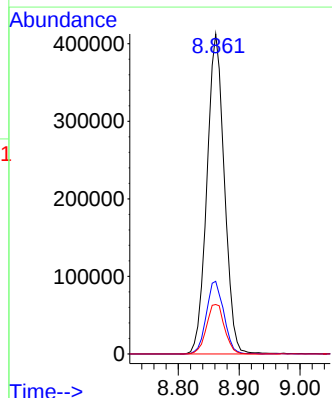
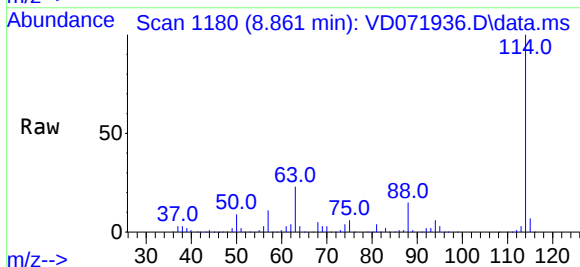
Tgt Ion: 114 Resp: 821829

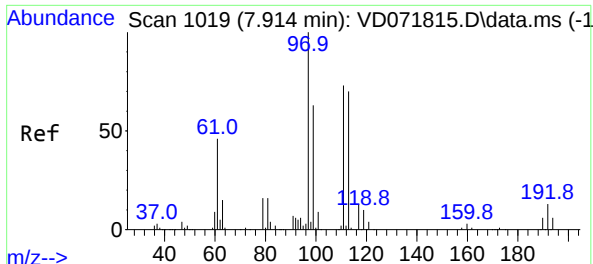
Ion Ratio Lower Upper

114 100

63 22.7 0.0 46.6

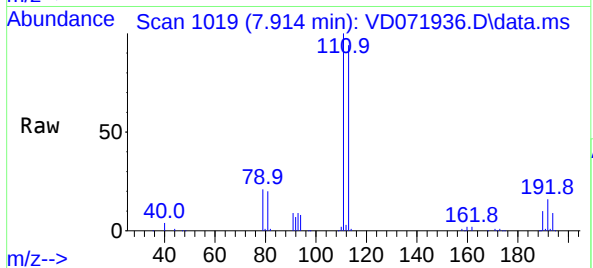
88 15.4 0.0 33.2



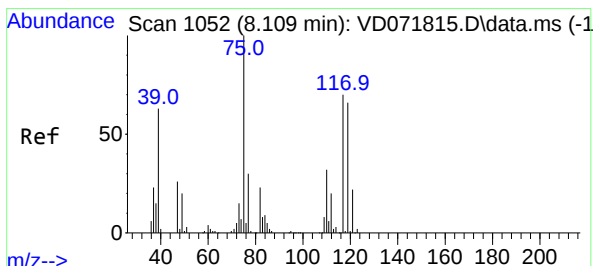
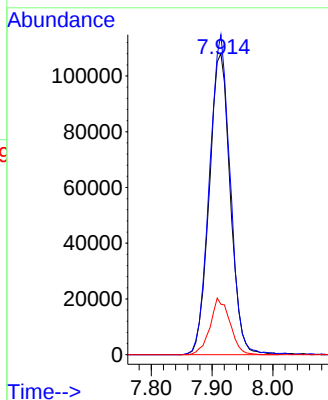
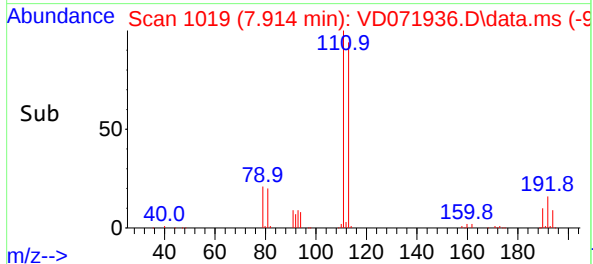


#35
Dibromofluoromethane
Concen: 47.959 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

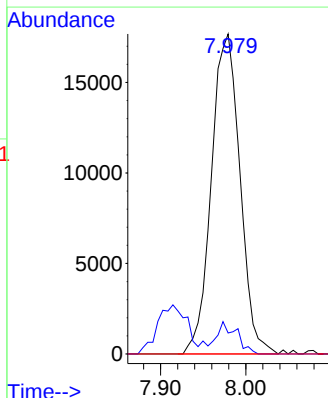
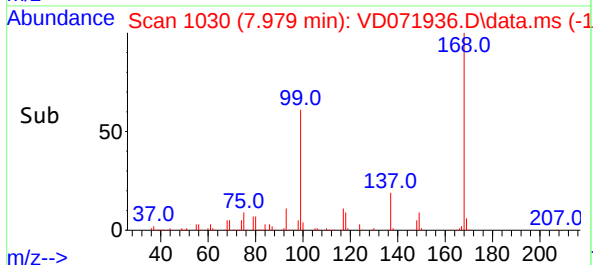
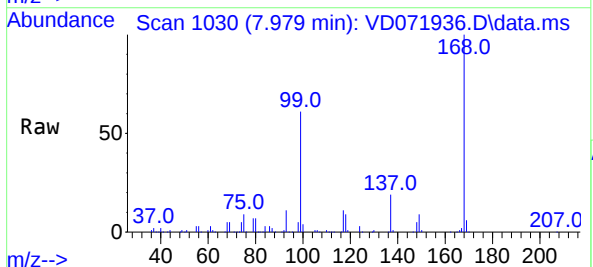


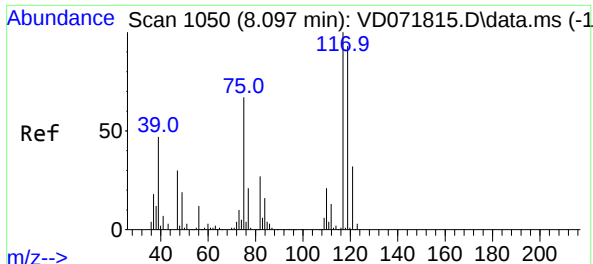
Tgt Ion:113 Resp: 259080
Ion Ratio Lower Upper
113 100
111 104.7 83.8 125.6
192 17.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.446 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

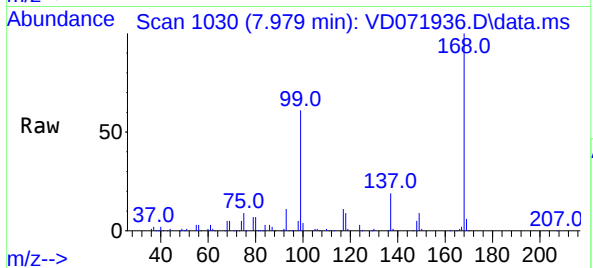
Tgt Ion: 75 Resp: 41225
Ion Ratio Lower Upper
75 100
110 7.0 16.4 49.1#
77 0.0 24.2 36.2#



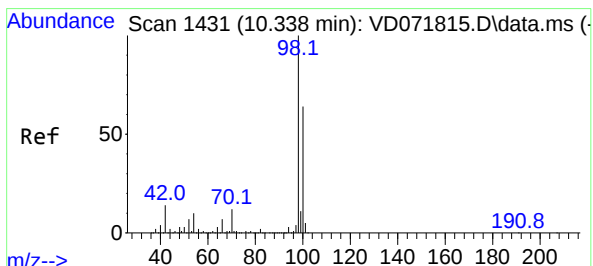
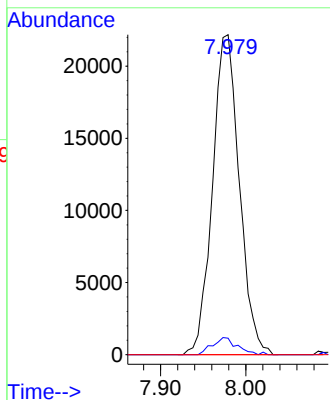
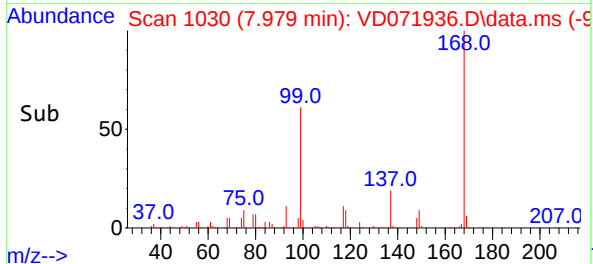


#38
Carbon Tetrachloride
Concen: 5.286 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

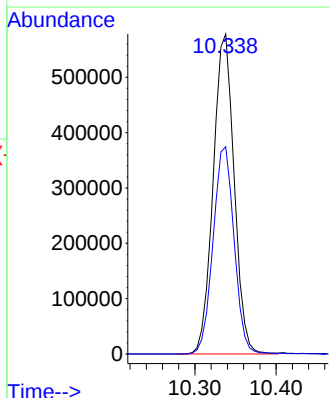
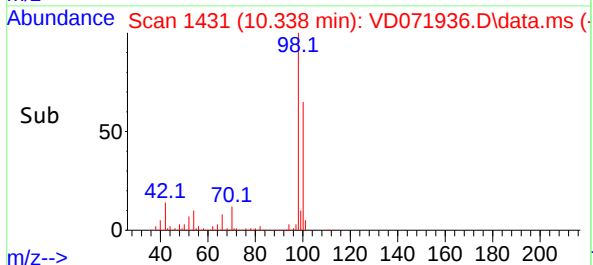
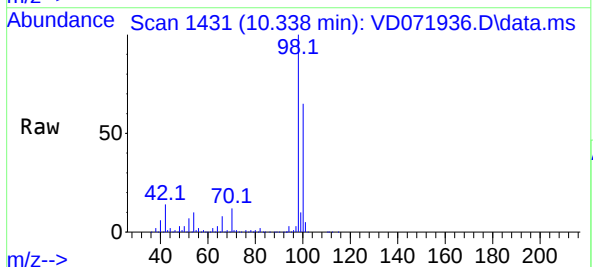


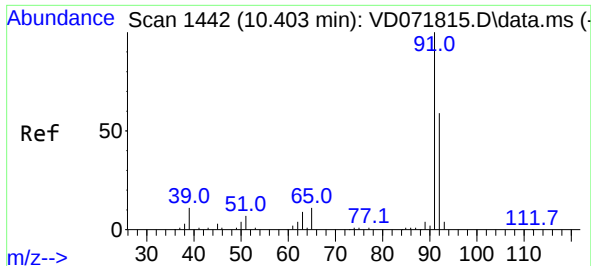
Tgt Ion:117 Resp: 48466
Ion Ratio Lower Upper
117 100
119 5.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.482 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion: 98 Resp: 1038647
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6

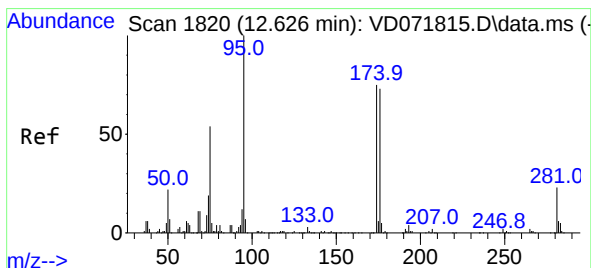
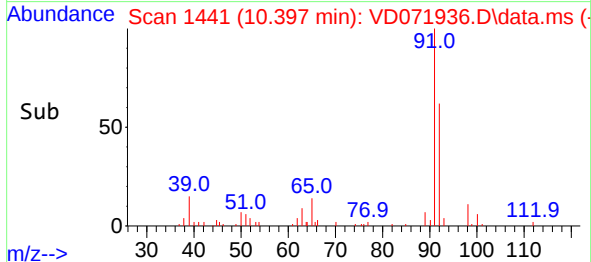
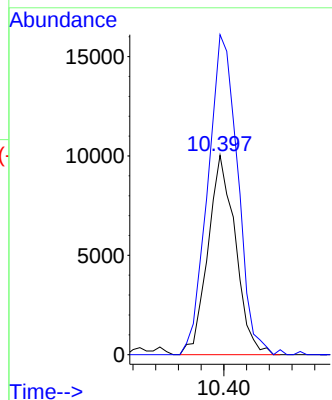
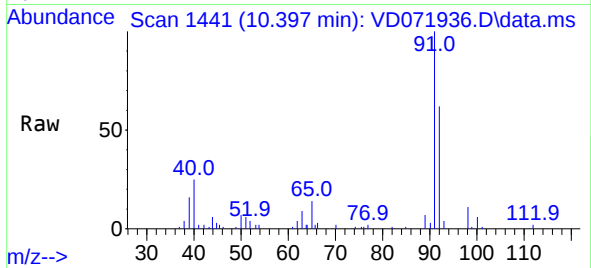




#52
Toluene
Concen: 1.084 ug/l
RT: 10.397 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

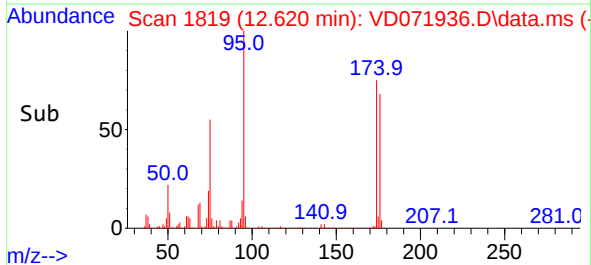
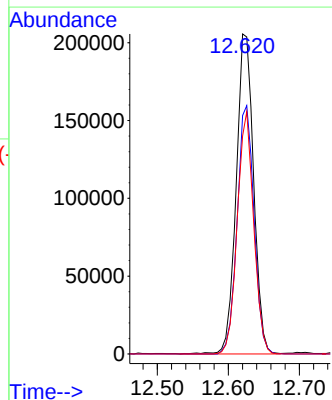
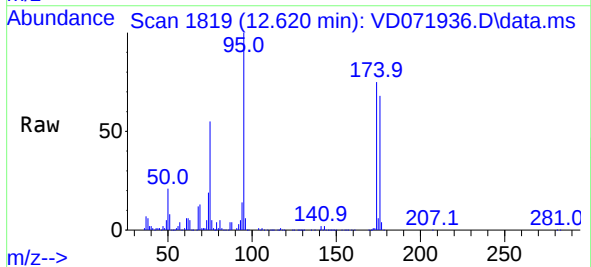
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MSVOA_D
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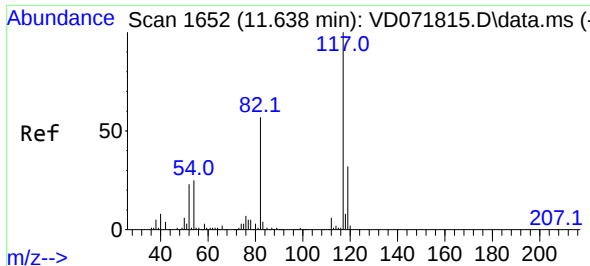
Tgt Ion: 92 Resp: 16876
Ion Ratio Lower Upper
92 100
91 174.4 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 49.749 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

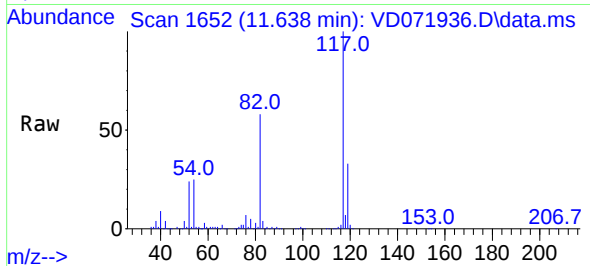
Tgt Ion: 95 Resp: 350500
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 71.3 0.0 145.4



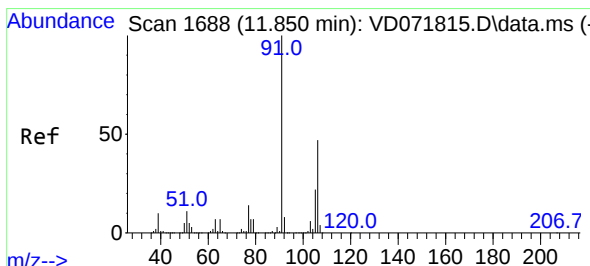
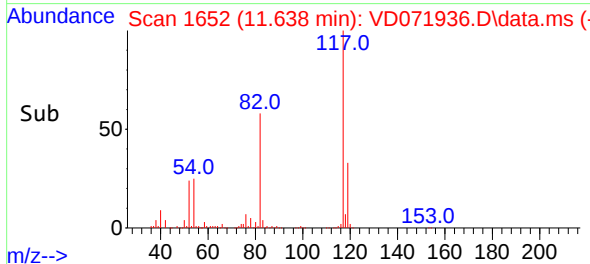
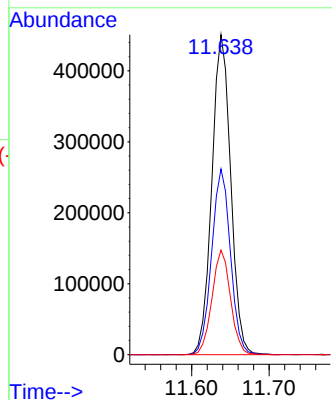


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :

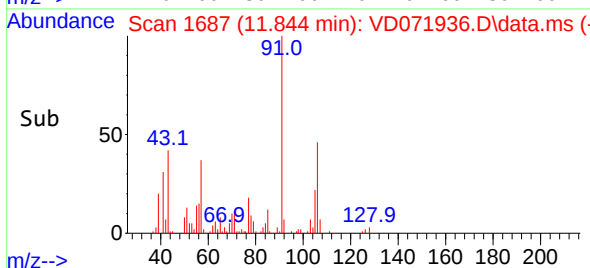
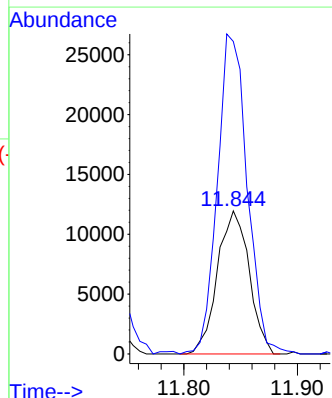
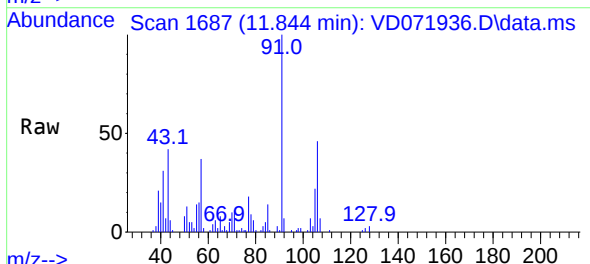


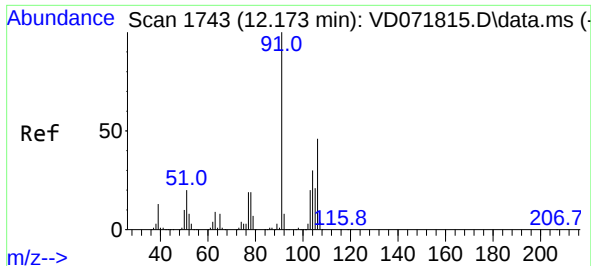
Tgt Ion:117 Resp: 762361
Ion Ratio Lower Upper
117 100
82 58.0 45.3 67.9
119 32.7 26.6 40.0



#68
m/p-Xylenes
Concen: 2.056 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion:106 Resp: 23211
Ion Ratio Lower Upper
106 100
91 210.5 163.7 245.5

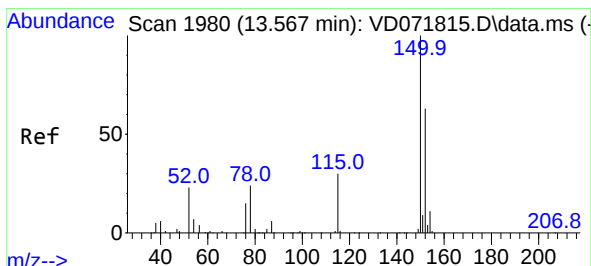
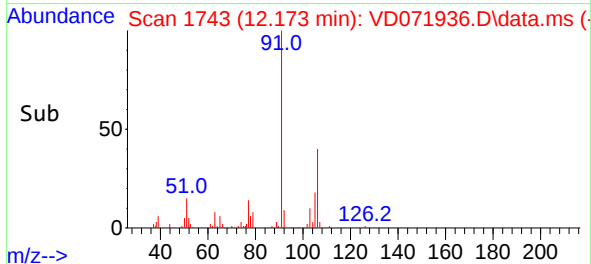
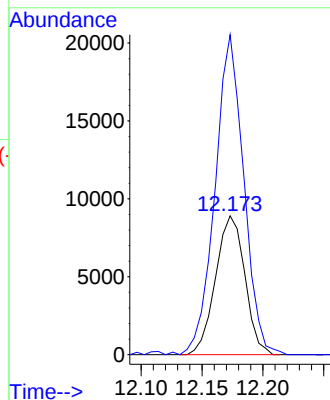
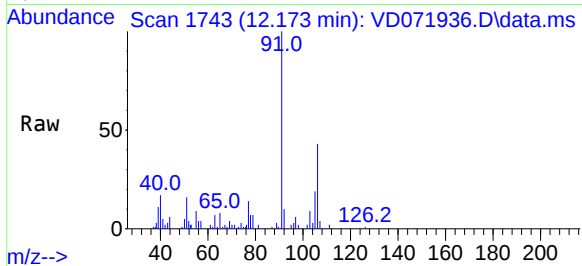




#69
o-Xylene
Concen: 1.452 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

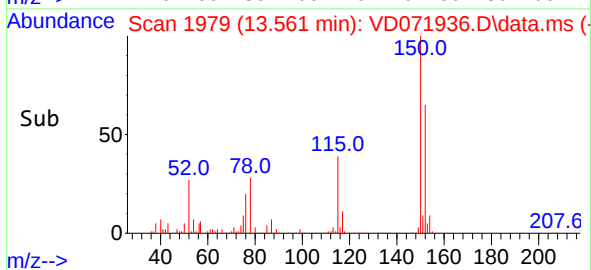
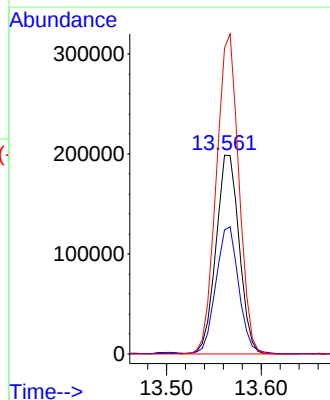
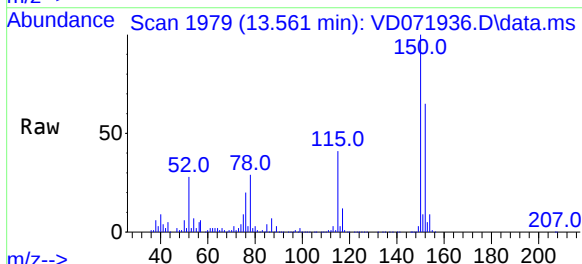
Instrument :
MSVOA_D
ClientSampleId :

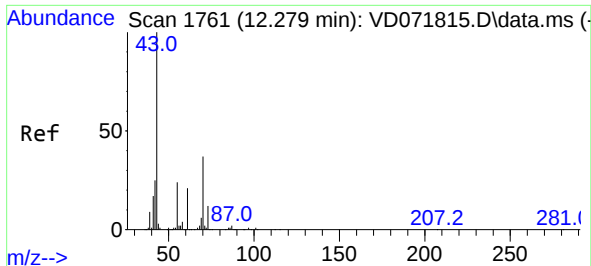
Tgt Ion:106 Resp: 14893
Ion Ratio Lower Upper
106 100
91 226.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion:152 Resp: 338755
Ion Ratio Lower Upper
152 100
115 63.4 31.3 93.8
150 156.1 0.0 348.6

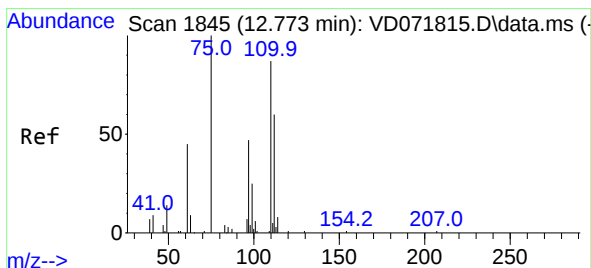
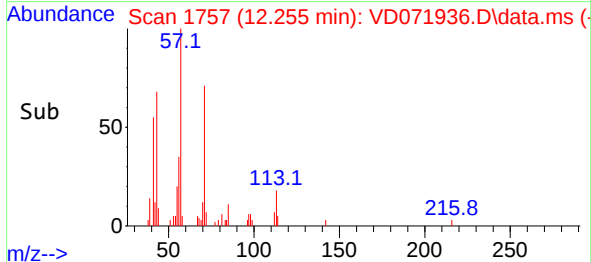
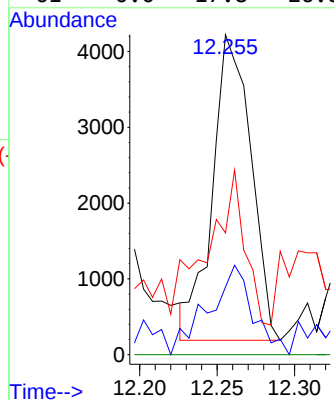
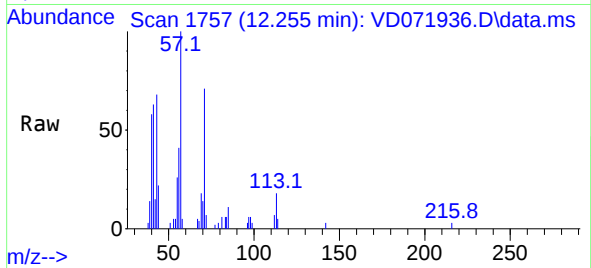




#74
N-amy1 acetate
Concen: 1.080 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

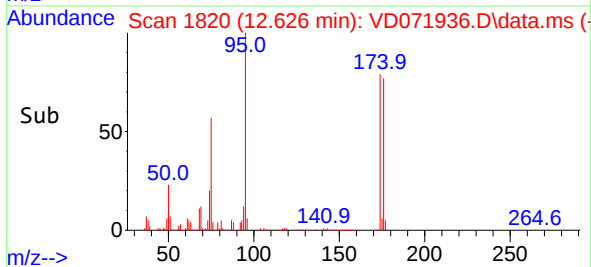
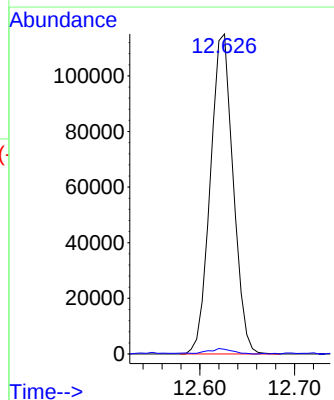
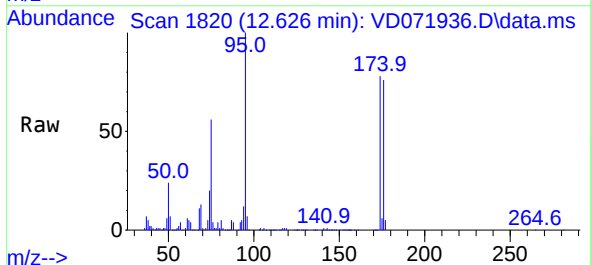
Instrument :
MSVOA_D
ClientSampleId :

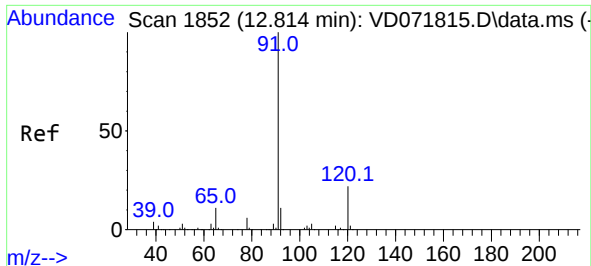
Tgt Ion:	43	Resp:	6966
Ion	Ratio	Lower	Upper
43	100		
70	33.7	31.3	46.9
55	49.2	20.0	30.0#
61	0.0	17.8	26.8#



#76
1,2,3-Trichloropropane
Concen: 53.888 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion:	75	Resp:	192383
Ion	Ratio	Lower	Upper
75	100		
77	1.9	0.0	0.0#

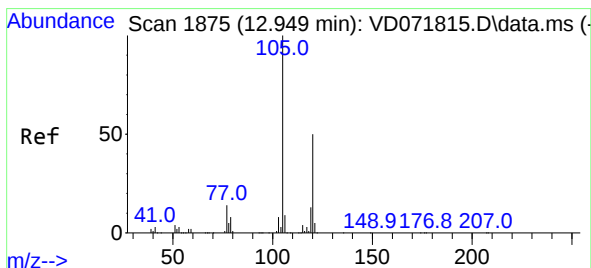
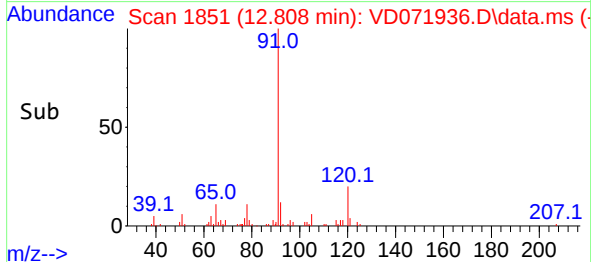
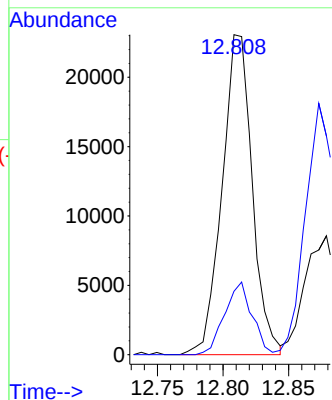
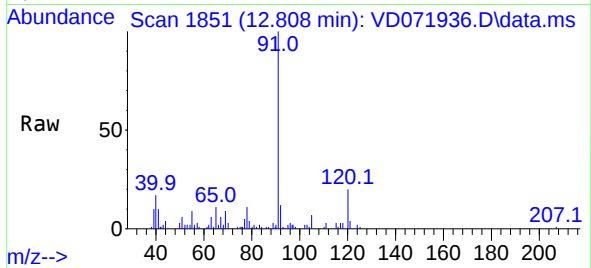




#78
n-propylbenzene
Concen: 1.121 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

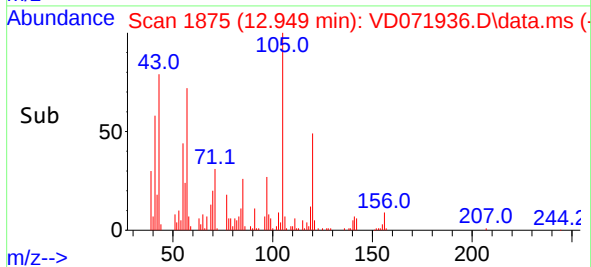
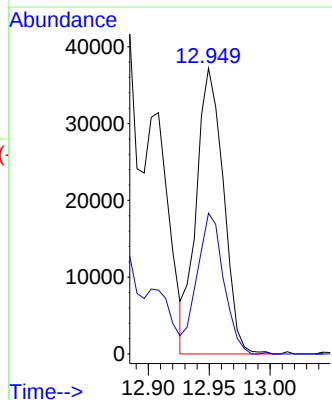
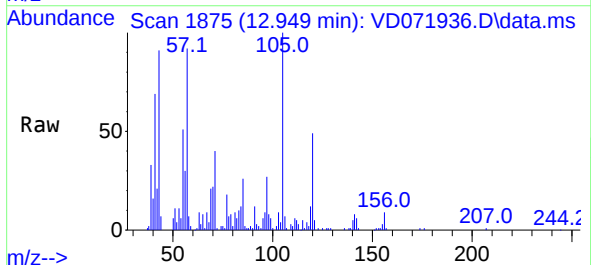
Instrument :
MSVOA_D
ClientSampleId :

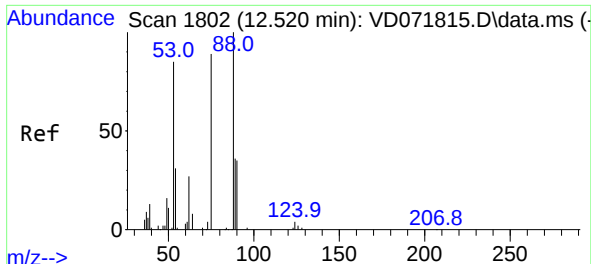
Tgt Ion: 91 Resp: 36885
Ion Ratio Lower Upper
91 100
120 20.7 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 2.657 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion: 105 Resp: 57811
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.8

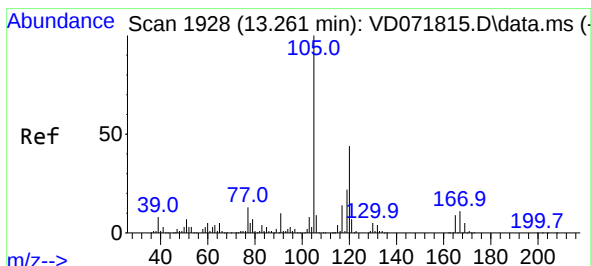
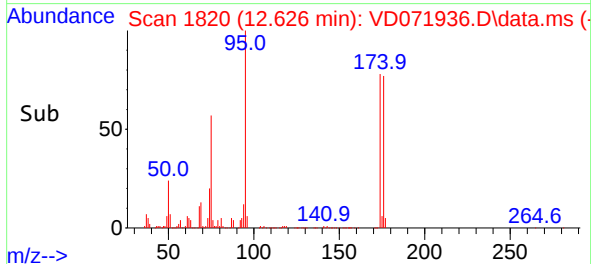
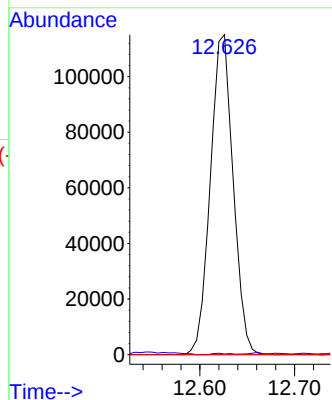
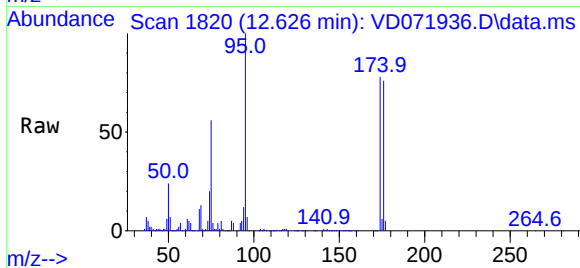




#81
trans-1,4-Dichloro-2-butene
Concen: 132.498 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

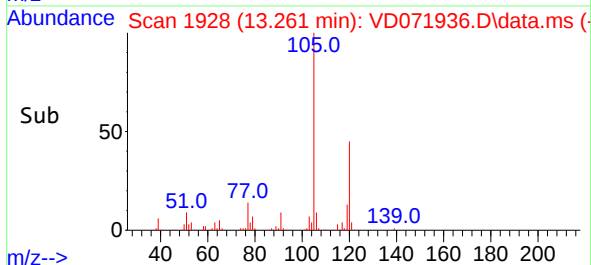
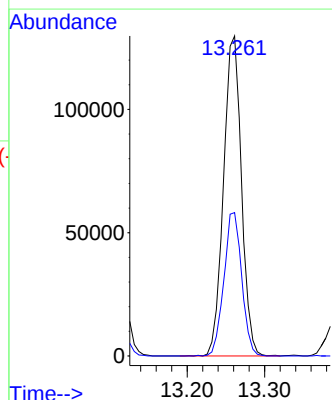
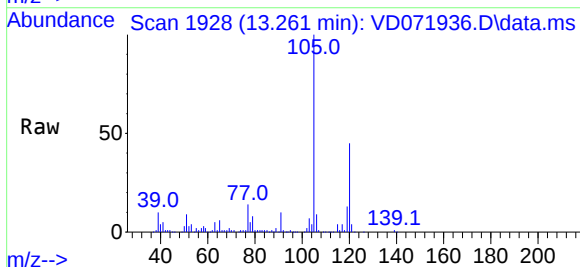
Instrument :
MSVOA_D
ClientSampleId :

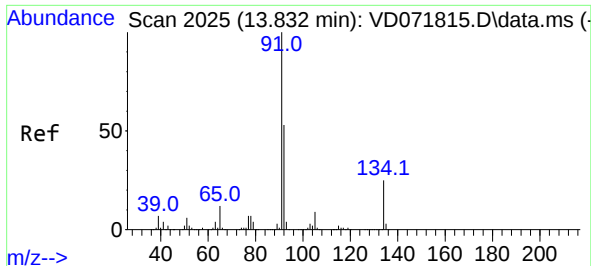
Tgt Ion: 75 Resp: 192383
Ion Ratio Lower Upper
75 100
53 0.3 86.5 129.7#
89 0.0 33.9 50.9#



#84
1,2,4-Trimethylbenzene
Concen: 9.747 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Tgt Ion:105 Resp: 208604
Ion Ratio Lower Upper
105 100
120 44.6 22.3 66.8

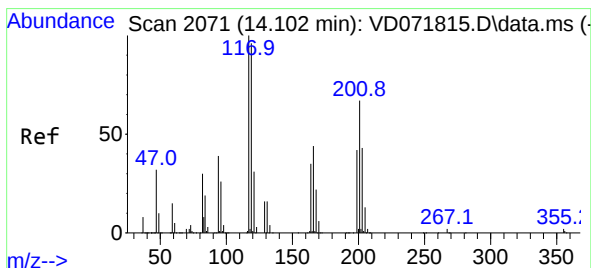
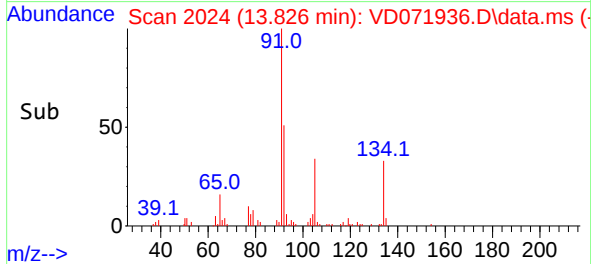
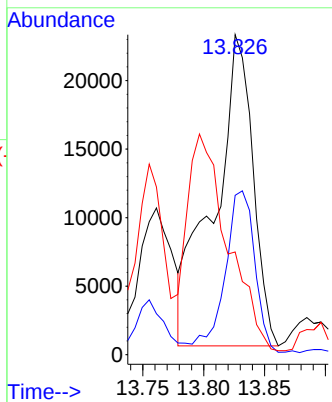
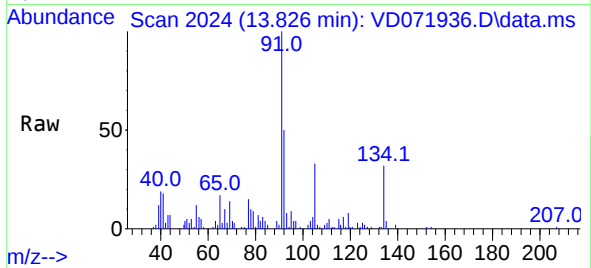




#89
n-Butylbenzene
Concen: 2.259 ug/l
RT: 13.826 min Scan# 2025
Delta R.T. -0.006 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

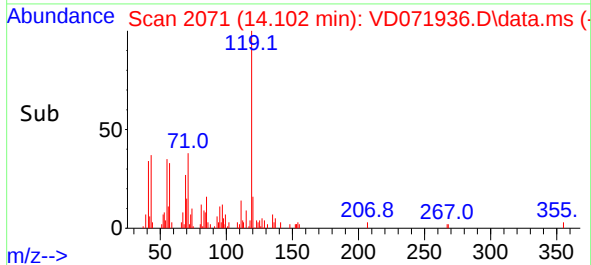
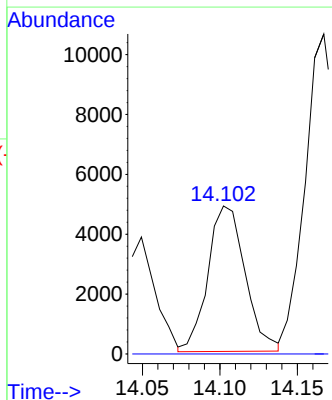
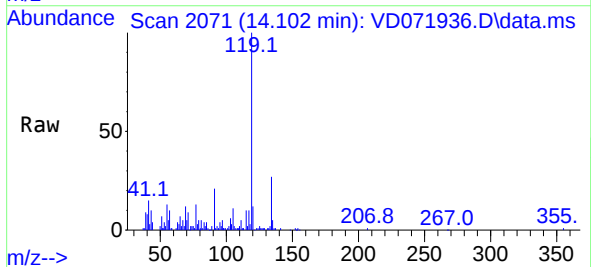
Instrument :
MSVOA_D
ClientSampleId :

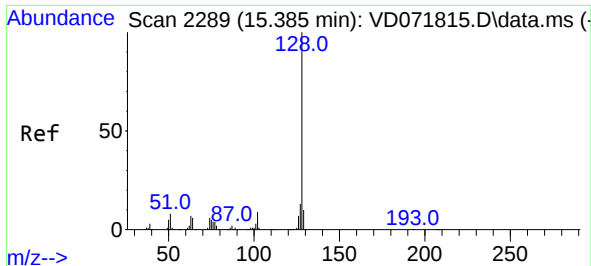
Tgt Ion:	91	Resp:	50812
Ion	Ratio	Lower	Upper
91	100		
92	39.6	26.6	79.8
134	0.0	12.3	36.9



#90
Hexachloroethane
Concen: 1.784 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

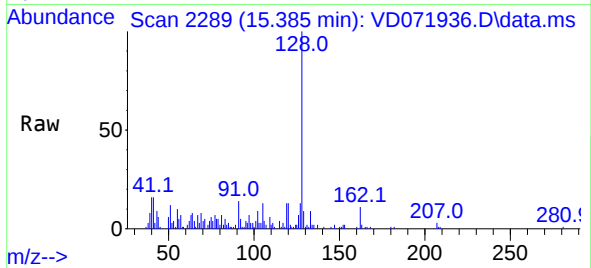
Tgt Ion:	117	Resp:	8130
Ion	Ratio	Lower	Upper
117	100		
201	0.0	33.4	100.2





#95
Naphthalene
Concen: 5.682 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD071936.D
Acq: 11 Feb 2022 14:16

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	51247
Ion	Ratio	Lower	Upper
128	100		
127	17.4	10.3	15.5#
129	15.6	8.4	12.6#

