

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032921\
 Data File : VD068715.D
 Acq On : 29 Mar 2021 23:12
 Operator : VA/SY
 Sample : M1836-06
 Misc : 8.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B3-10-12

Quant Time: Mar 30 01:10:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031921S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 20 02:00:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	728283	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	1245906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	1230166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	559249	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	325673	44.35	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.70%
35) Dibromofluoromethane	7.914	113	372089	48.00	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.00%
50) Toluene-d8	10.344	98	1547722	51.79	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.58%
62) 4-Bromofluorobenzene	12.632	95	567084	58.52	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.04%

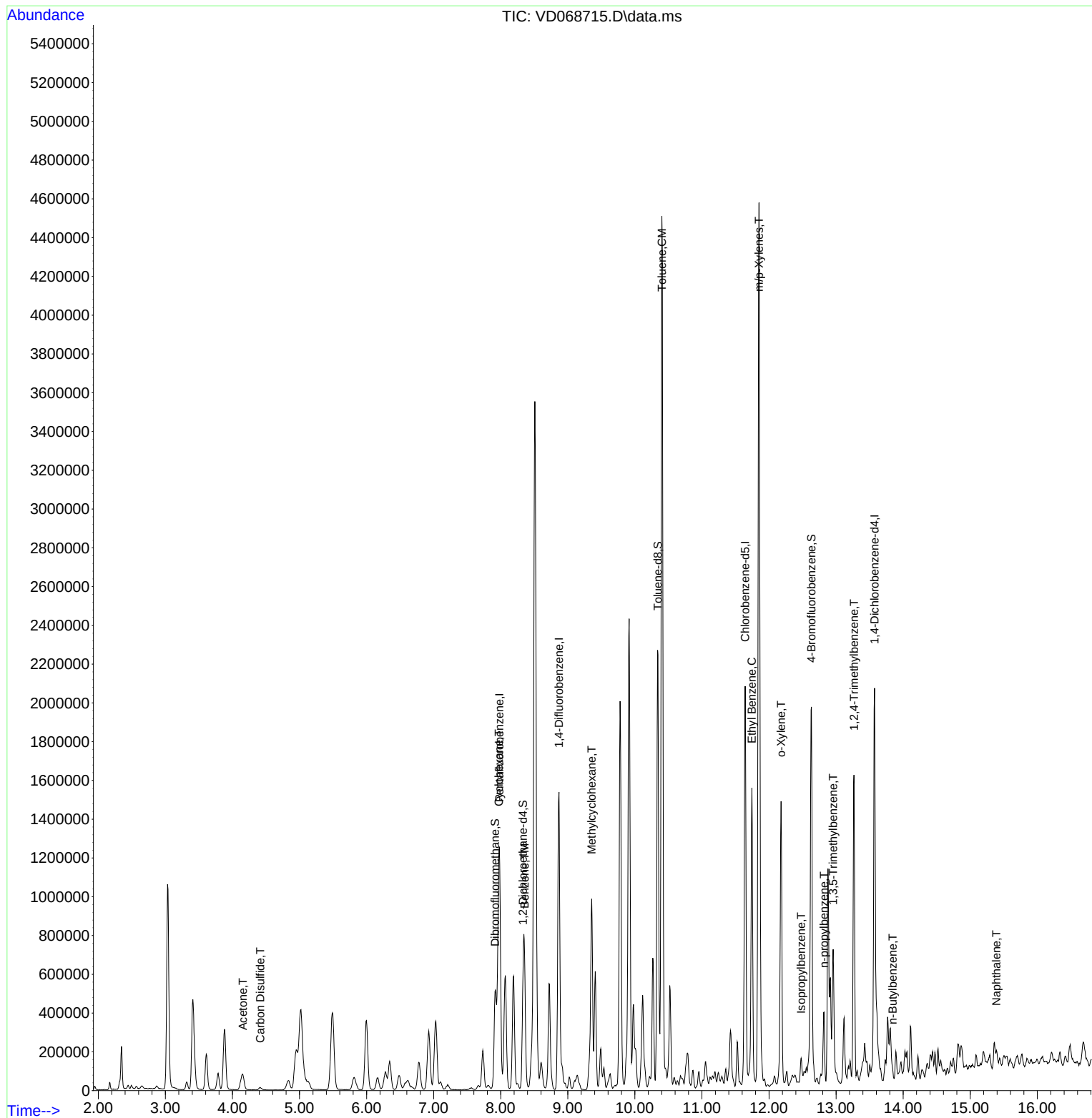
Target Compounds						Qvalue
16) Acetone	4.156	43	92810	104.17	ug/l #	88
17) Carbon Disulfide	4.415	76	26251	1.42	ug/l	99
20) Methylene Chloride	4.967	84	22725	Below Cal	#	69
31) Cyclohexane	7.973	56	198451	16.75	ug/l #	77
39) Methylcyclohexane	9.355	83	209361	15.24	ug/l #	78
40) Benzene	8.356	78	629952	19.40	ug/l	98
52) Toluene	10.402	92	2098290	102.12	ug/l	98
67) Ethyl Benzene	11.744	91	1120991	26.54	ug/l	100
68) m/p-Xylenes	11.849	106	1491541	90.64	ug/l	98
69) o-Xylene	12.179	106	426525	27.97	ug/l	99
73) Isopropylbenzene	12.479	105	87470	2.28	ug/l	100
78) n-propylbenzene	12.820	91	300873	6.58	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	316412	10.18	ug/l	98
84) 1,2,4-Trimethylbenzene	13.267	105	929107	28.94	ug/l	99
89) n-Butylbenzene	13.843	91	35953	1.08	ug/l #	70
95) Naphthalene	15.390	128	84074	4.84	ug/l	96

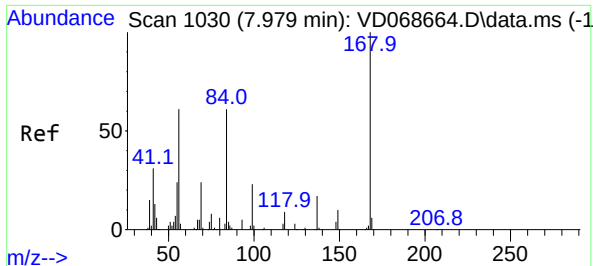
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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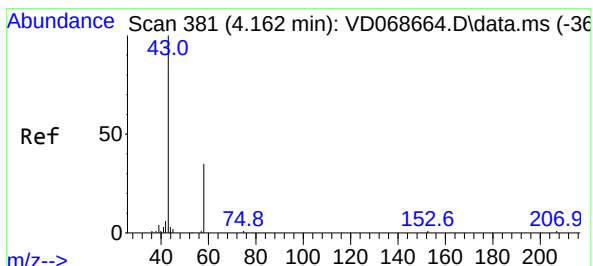
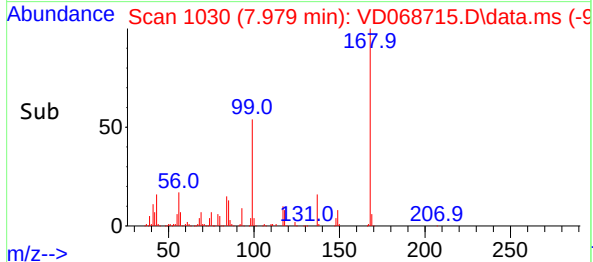
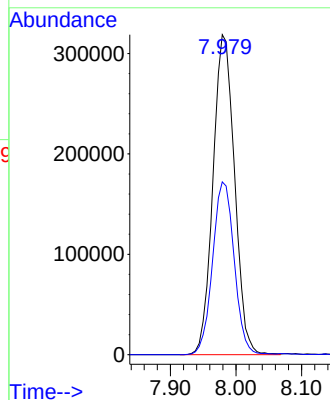
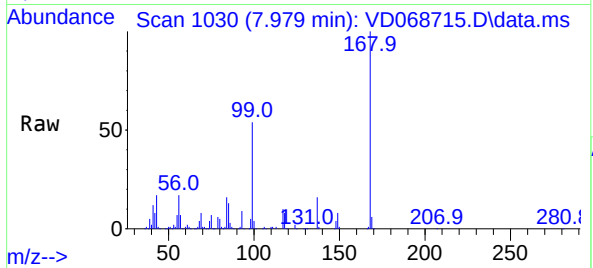




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

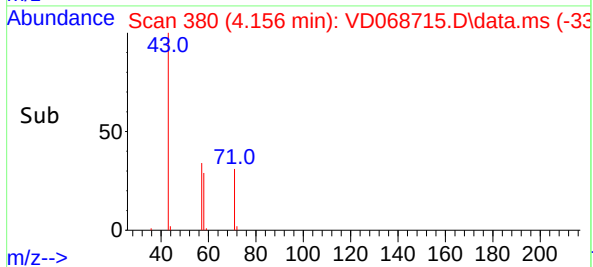
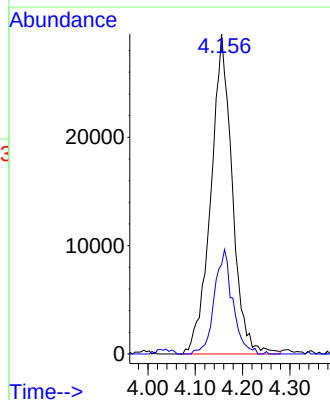
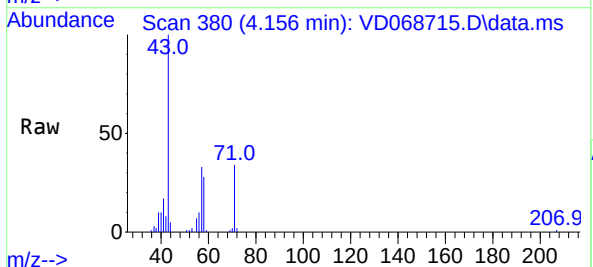
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

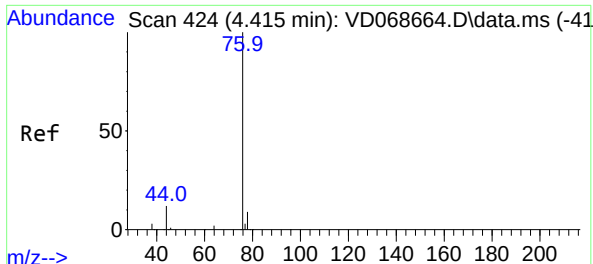
Tgt Ion:168 Resp: 728283
Ion Ratio Lower Upper
168 100
99 54.0 46.2 69.2



#16
Acetone
Concen: 104.17 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 43 Resp: 92810
Ion Ratio Lower Upper
43 100
58 27.9 28.0 42.0#

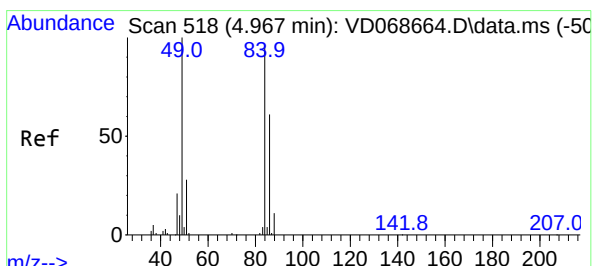
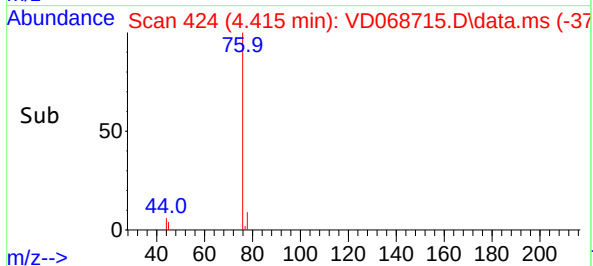
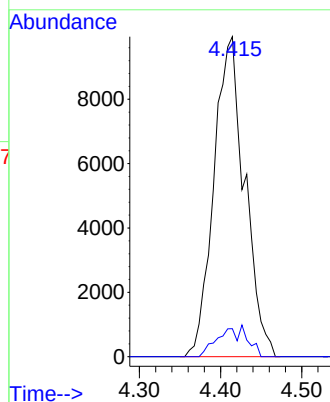
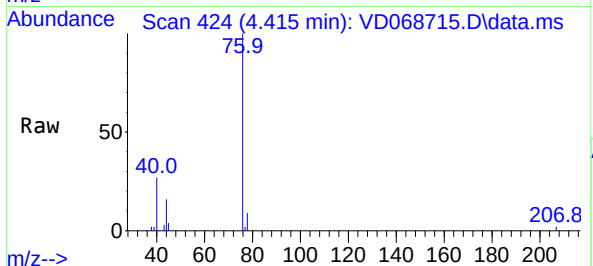




#17
Carbon Disulfide
Concen: 1.42 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

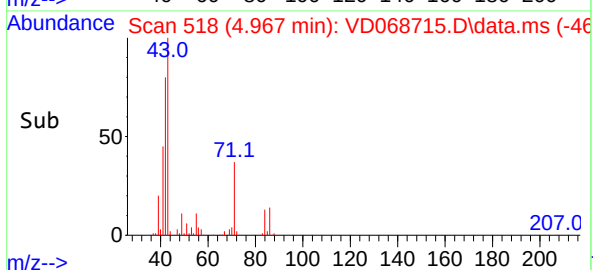
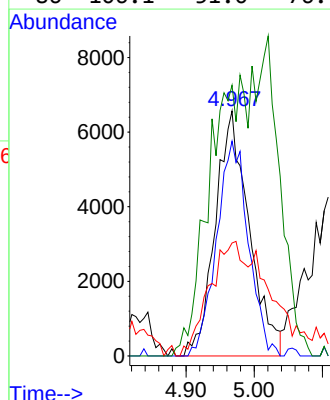
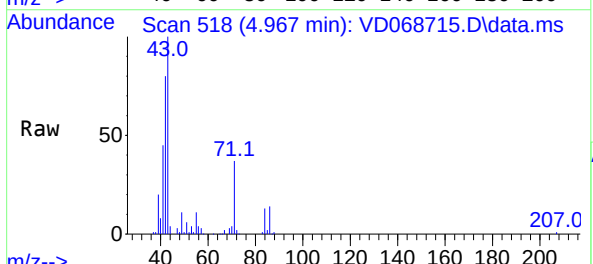
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

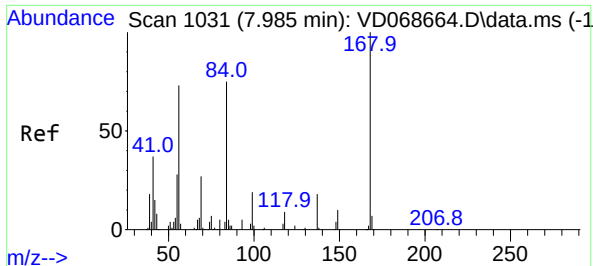
Tgt Ion: 76 Resp: 26251
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 84 Resp: 22725
Ion Ratio Lower Upper
84 100
49 87.7 83.4 125.0
51 46.1 23.4 35.2#
86 106.1 51.0 76.4#

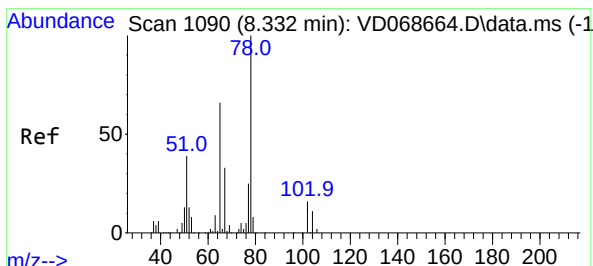
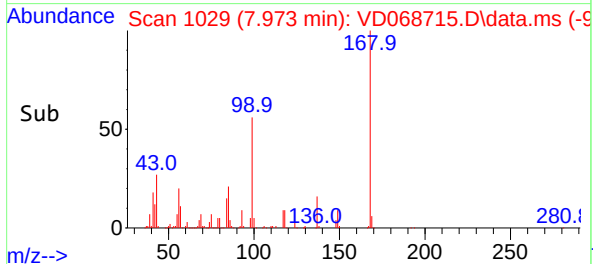
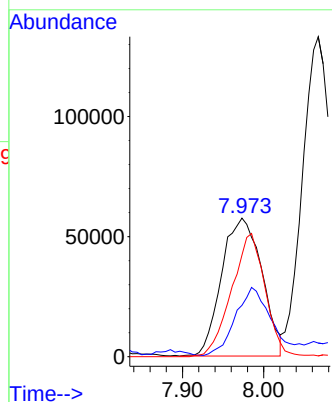
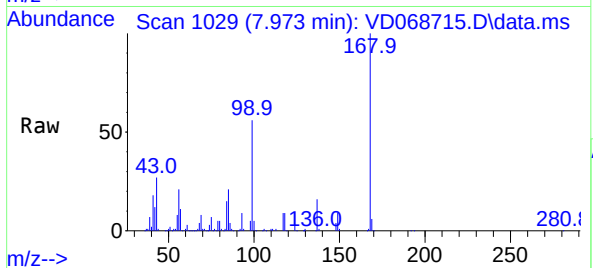




#31
Cyclohexane
Concen: 16.75 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

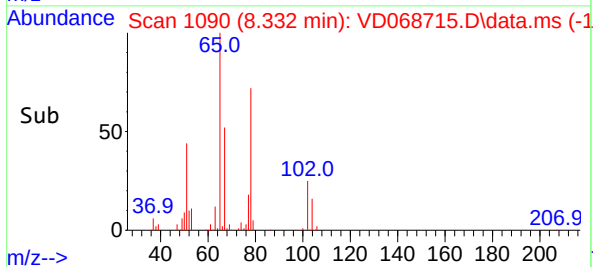
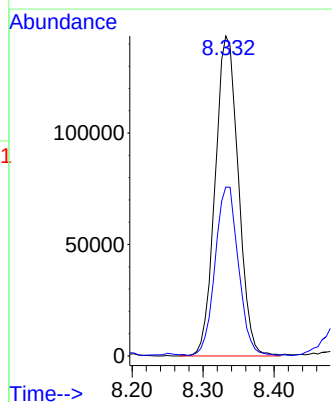
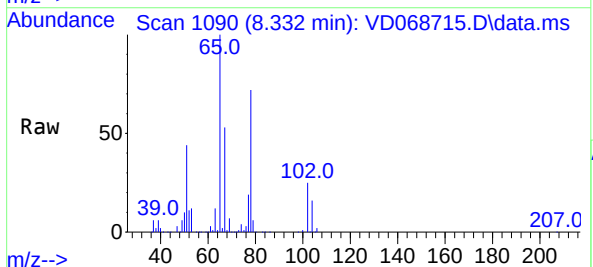
Instrument :
MSVOA_D
ClientSampled :
B3-10-12

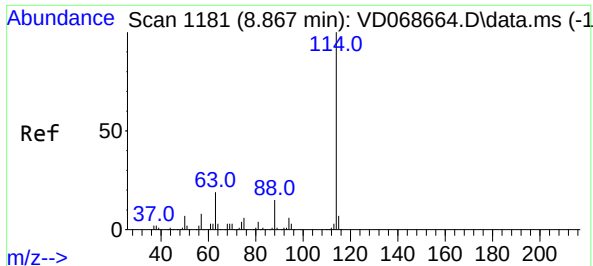
Tgt Ion: 56 Resp: 198451
Ion Ratio Lower Upper
56 100
69 33.3 30.0 45.0
84 73.7 82.0 123.0#



#33
1,2-Dichloroethane-d4
Concen: 44.35 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 65 Resp: 325673
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0



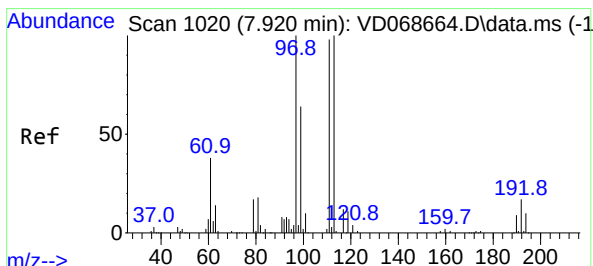
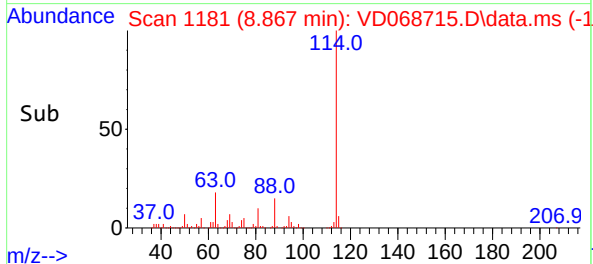
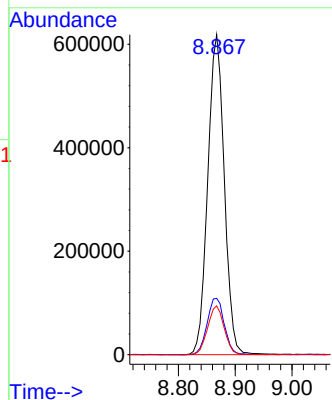
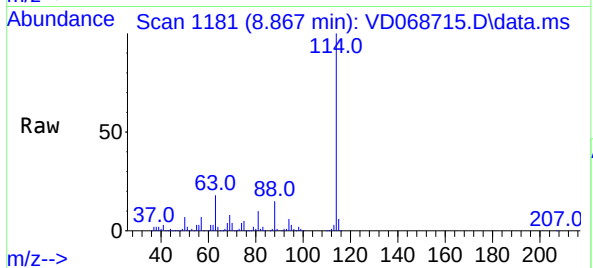


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

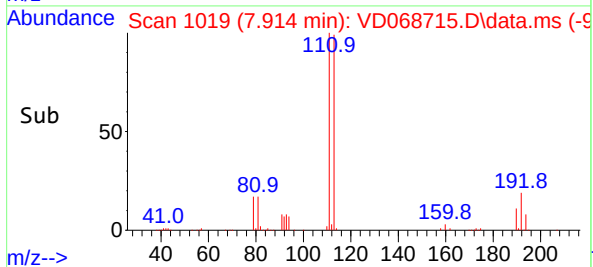
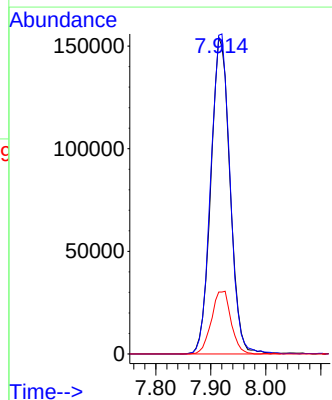
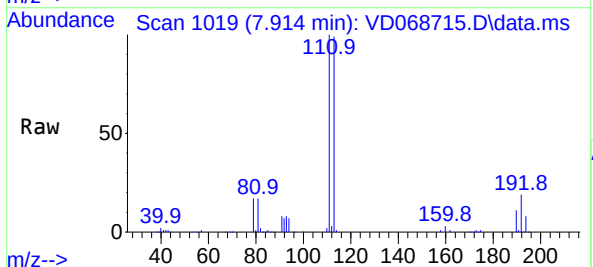
Tgt Ion:114 Resp: 1245906
Ion Ratio Lower Upper
114 100
63 17.6 0.0 38.2
88 15.3 0.0 29.4

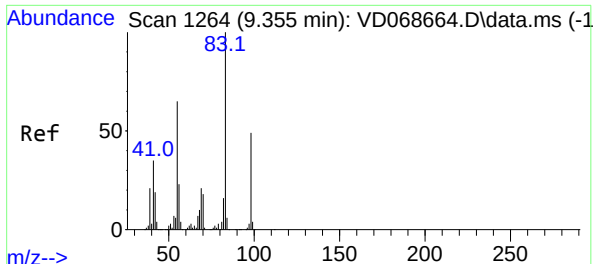


#35

Dibromofluoromethane
Concen: 48.00 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion:113 Resp: 372089
Ion Ratio Lower Upper
113 100
111 101.6 82.5 123.7
192 20.4 15.1 22.7





#39

Methylcyclohexane

Concen: 15.24 ug/l

RT: 9.355 min Scan# 1264

Delta R.T. 0.000 min

Lab File: VD068715.D

Acq: 29 Mar 2021 23:12

Instrument :

MSVOA_D

ClientSampleId :

B3-10-12

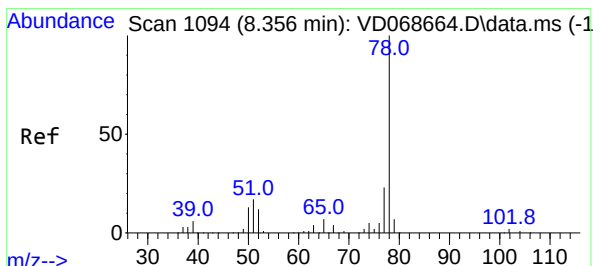
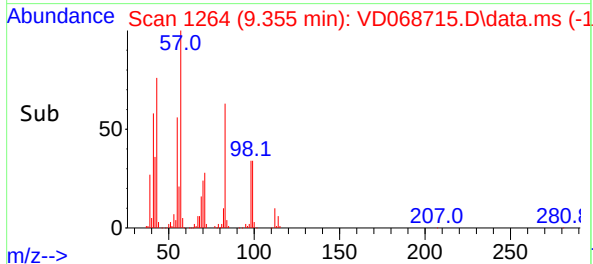
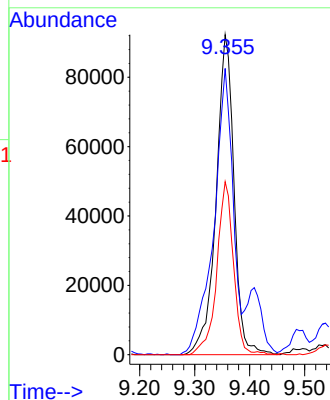
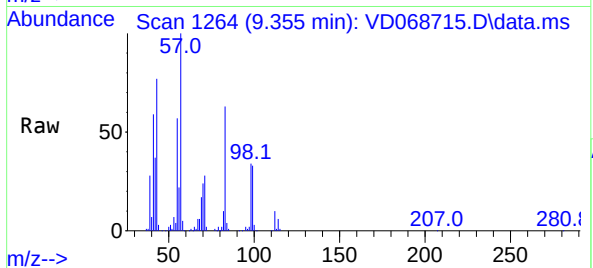
Tgt Ion: 83 Resp: 209361

Ion Ratio Lower Upper

83 100

55 89.4 51.7 77.5#

98 54.1 38.8 58.2



#40

Benzene

Concen: 19.40 ug/l

RT: 8.356 min Scan# 1094

Delta R.T. 0.000 min

Lab File: VD068715.D

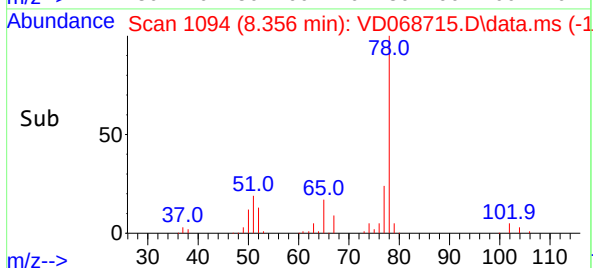
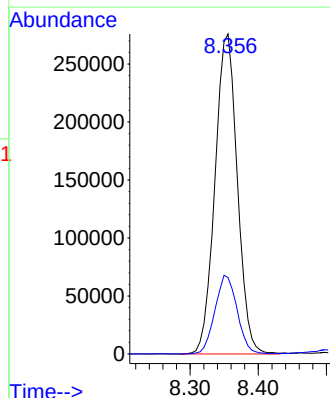
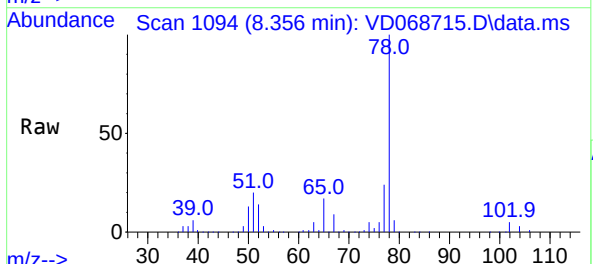
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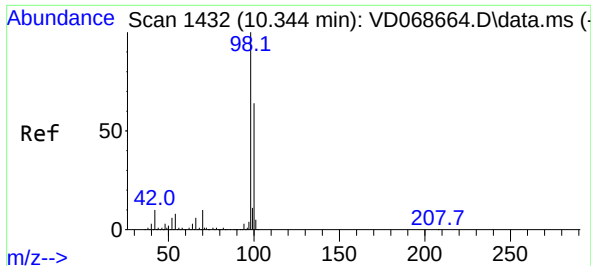
Tgt Ion: 78 Resp: 629952

Ion Ratio Lower Upper

78 100

77 23.8 18.2 27.2

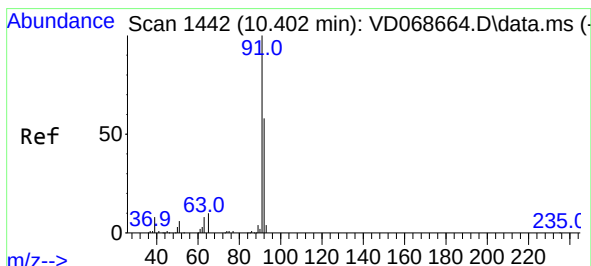
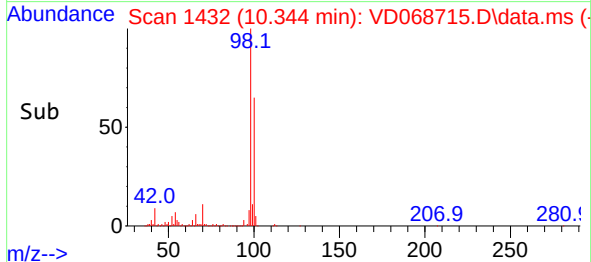
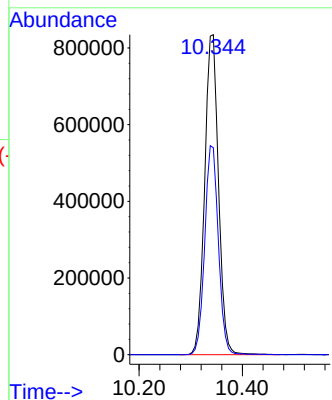
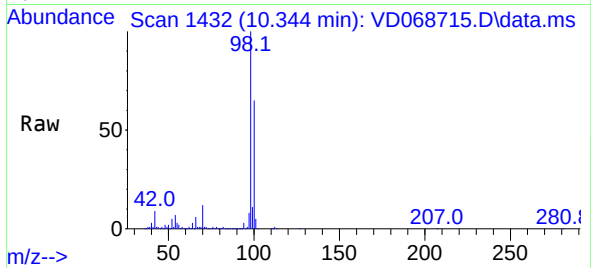




#50
Toluene-d8
Concen: 51.79 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

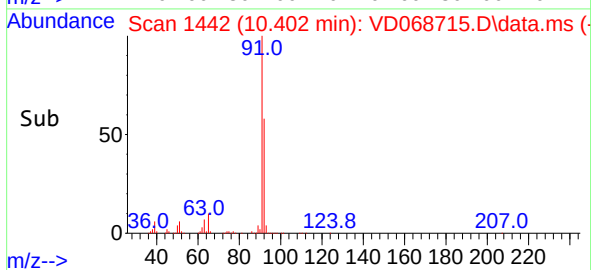
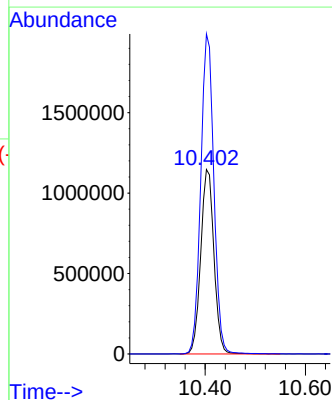
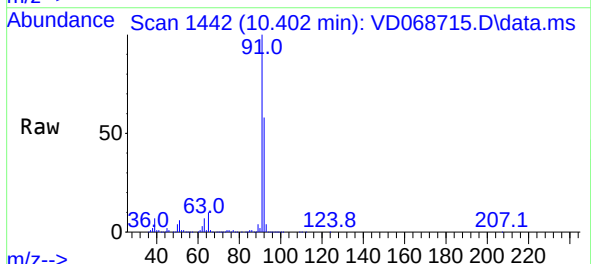
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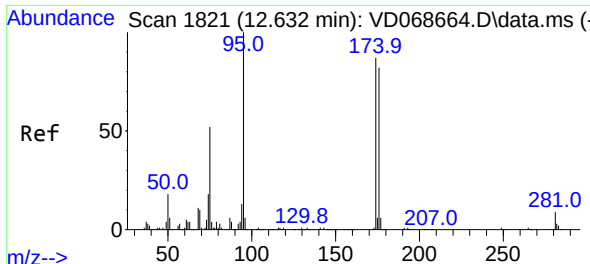
Tgt Ion: 98 Resp: 1547722
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#52
Toluene
Concen: 102.12 ug/l
RT: 10.402 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 92 Resp: 2098290
Ion Ratio Lower Upper
92 100
91 171.8 139.1 208.7



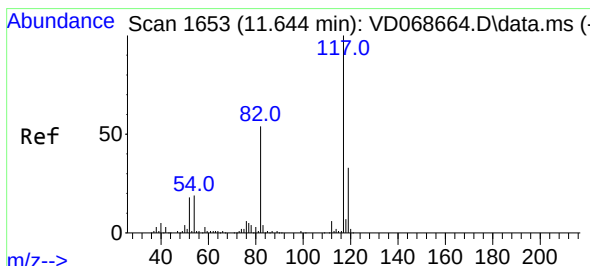
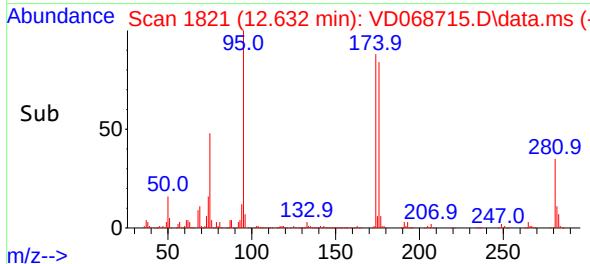
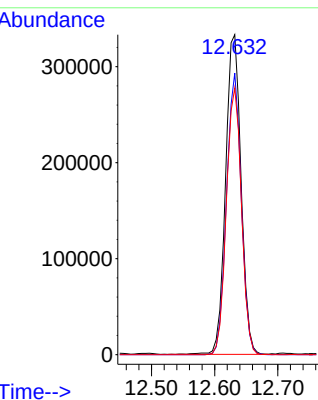
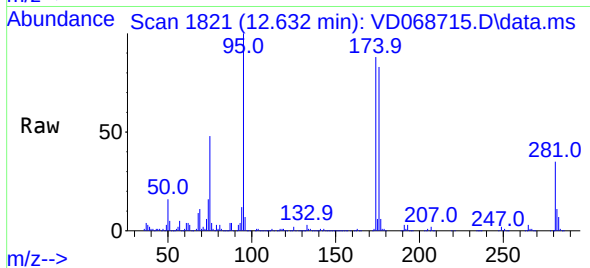


#62
4-Bromofluorobenzene
Concen: 58.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

Tgt Ion: 95 Resp: 567084

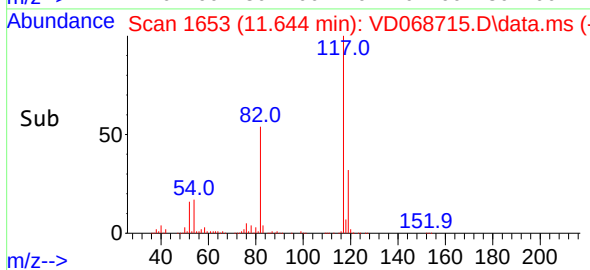
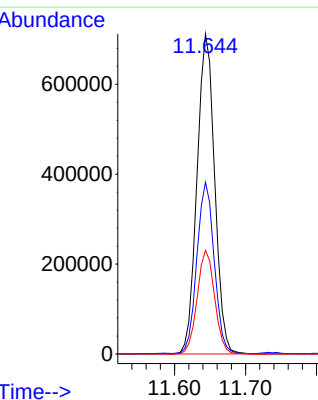
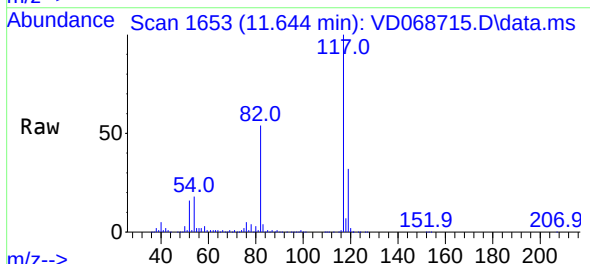
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	168.0
176	81.5	0.0	160.2

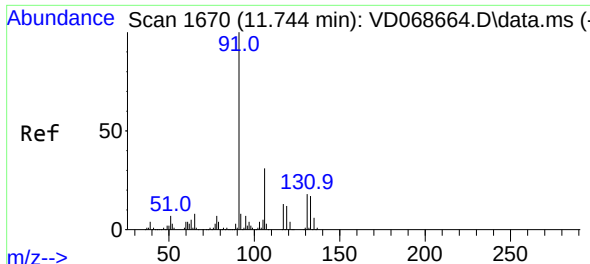


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 117 Resp: 1230166

Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.5	65.3
119	32.4	26.7	40.1

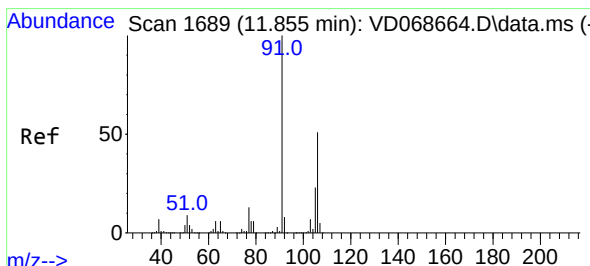
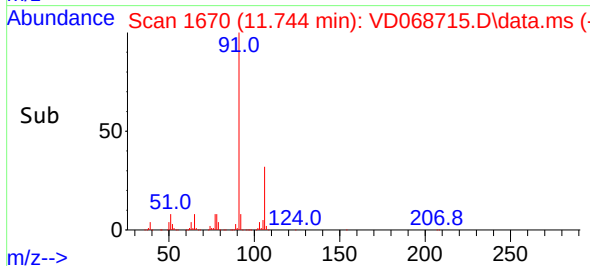
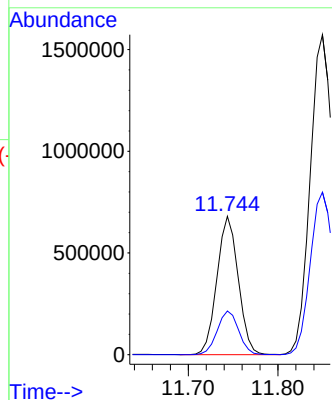
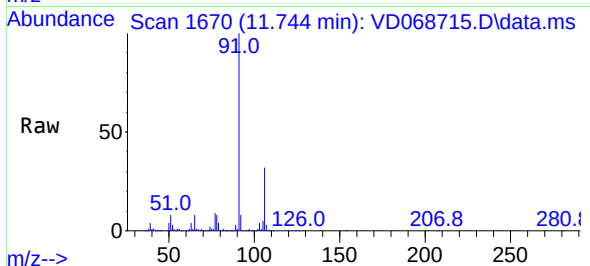




#67
Ethyl Benzene
Concen: 26.54 ug/l
RT: 11.744 min Scan# 1670
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

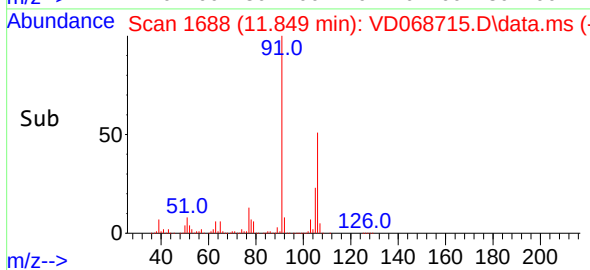
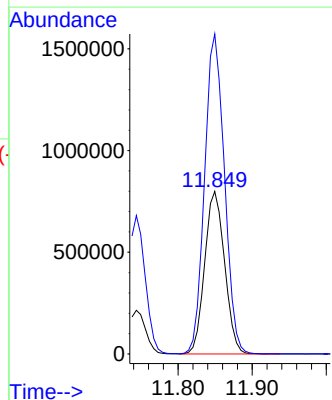
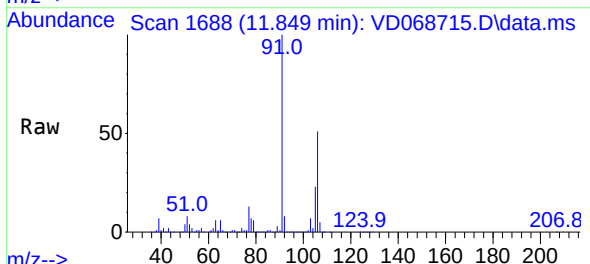
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

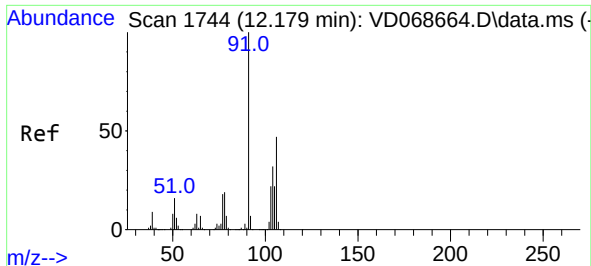
Tgt Ion: 91 Resp: 1120991
Ion Ratio Lower Upper
91 100
106 31.6 25.1 37.7



#68
m/p-Xylenes
Concen: 90.64 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.006 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion:106 Resp: 1491541
Ion Ratio Lower Upper
106 100
91 195.9 158.6 238.0

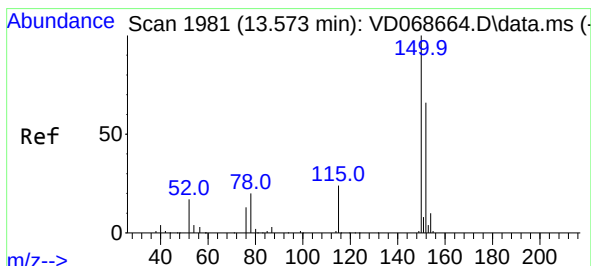
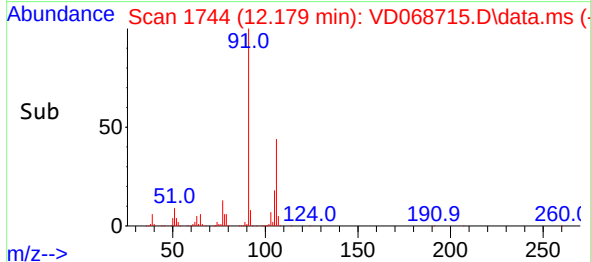
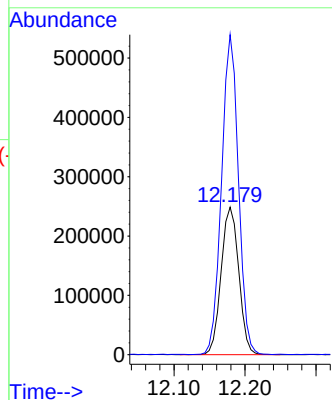
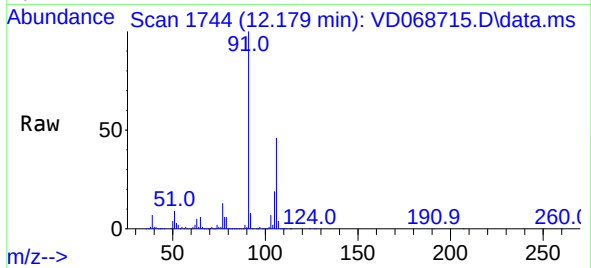




#69
o-Xylene
Concen: 27.97 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

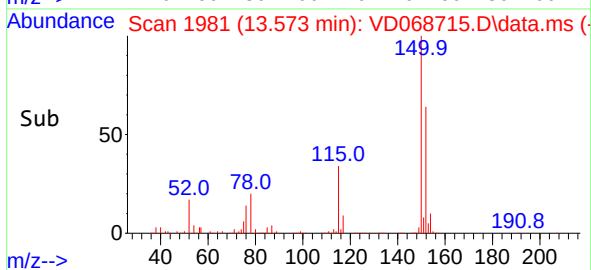
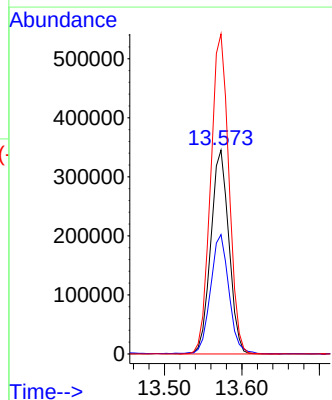
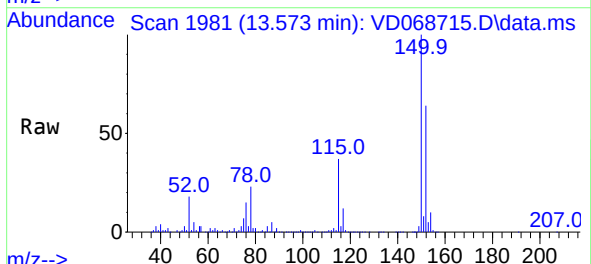
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

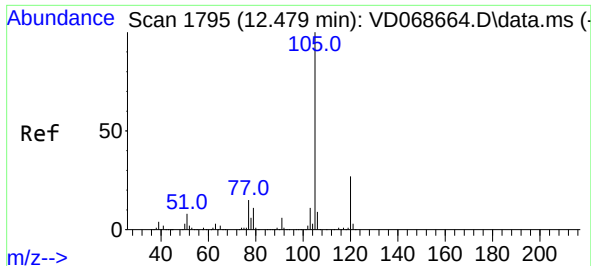
Tgt Ion:106 Resp: 426525
Ion Ratio Lower Upper
106 100
91 208.0 105.0 315.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion:152 Resp: 559249
Ion Ratio Lower Upper
152 100
115 59.7 29.3 87.8
150 158.2 0.0 347.6

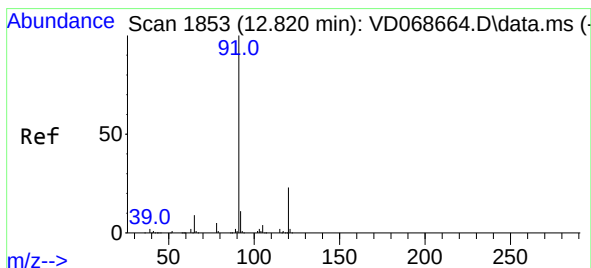
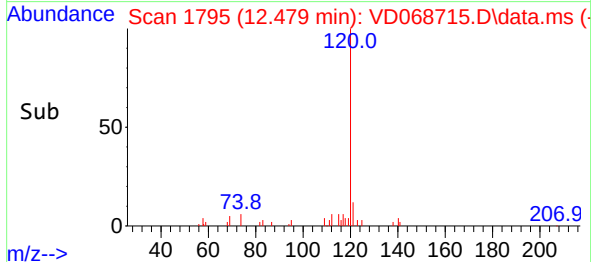
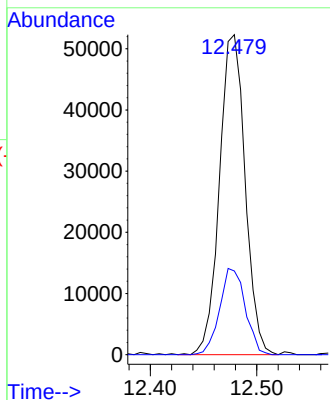
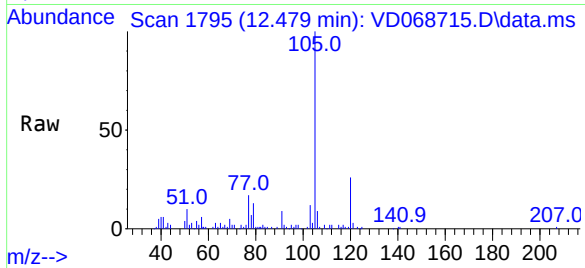




#73
Isopropylbenzene
Concen: 2.28 ug/l
RT: 12.479 min Scan# 1795
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

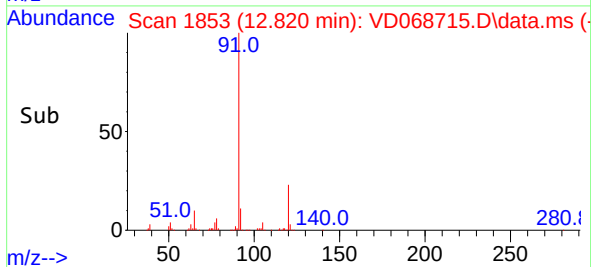
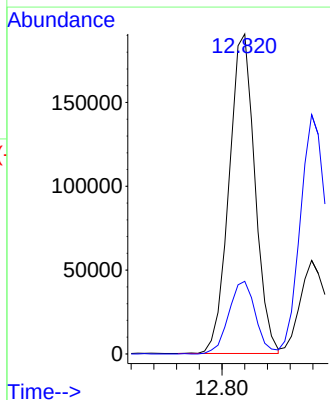
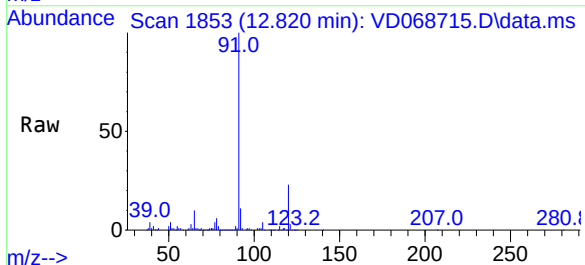
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

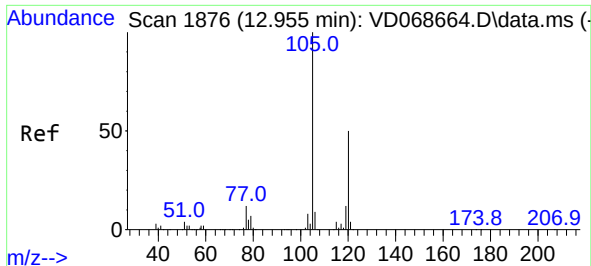
Tgt Ion:105 Resp: 87470
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.2



#78
n-propylbenzene
Concen: 6.58 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion: 91 Resp: 300873
Ion Ratio Lower Upper
91 100
120 23.6 11.4 34.2

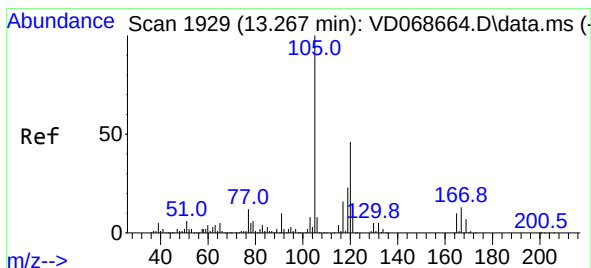
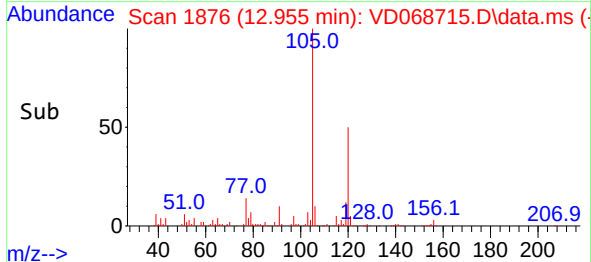
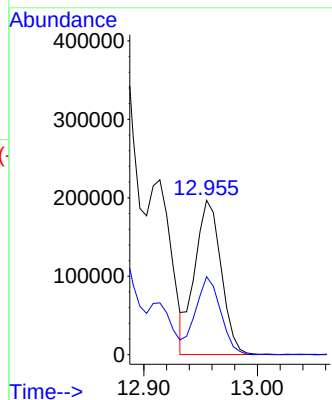
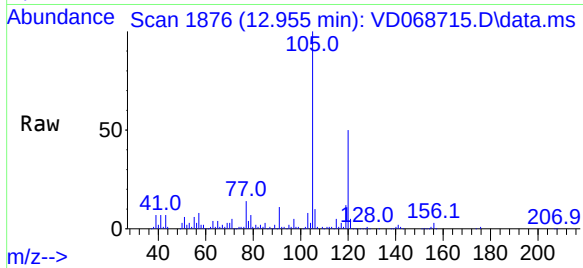




#80
1,3,5-Trimethylbenzene
Concen: 10.18 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

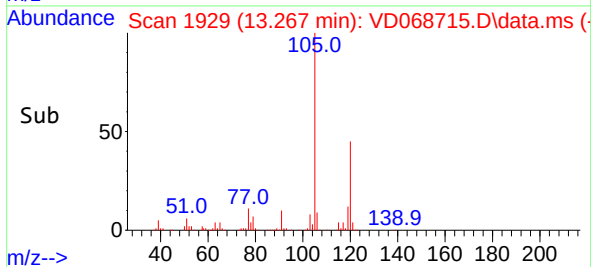
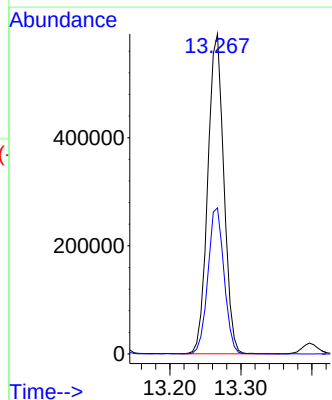
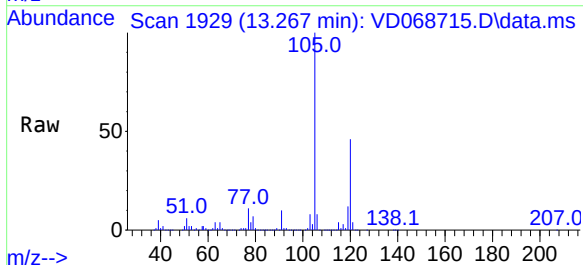
Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

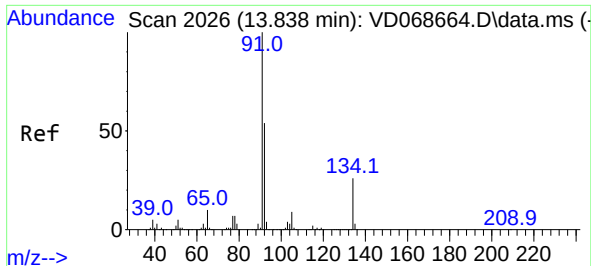
Tgt Ion:105 Resp: 316412
Ion Ratio Lower Upper
105 100
120 48.5 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 28.94 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.000 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion:105 Resp: 929107
Ion Ratio Lower Upper
105 100
120 46.0 22.6 67.7

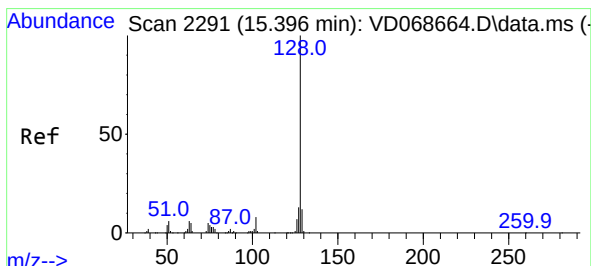
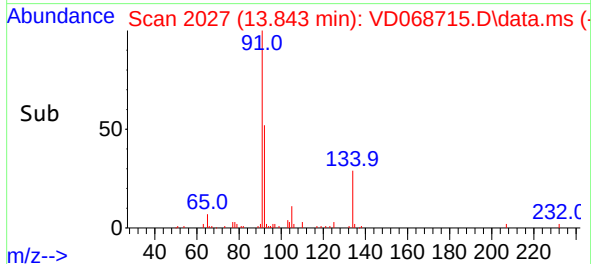
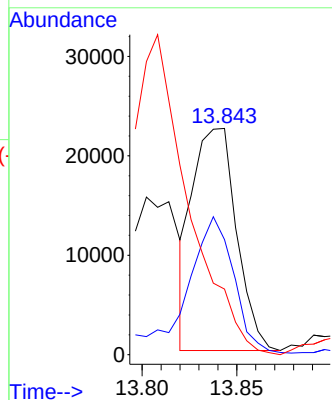
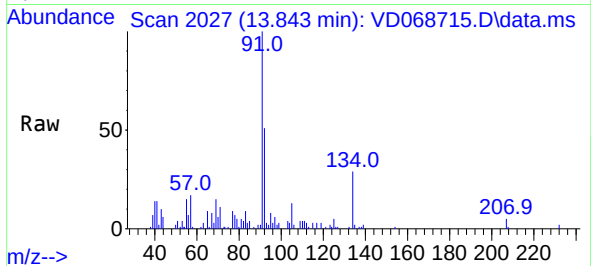




#89
n-Butylbenzene
Concen: 1.08 ug/l
RT: 13.843 min Scan# 2027
Delta R.T. 0.006 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Instrument :
MSVOA_D
ClientSampleId :
B3-10-12

Tgt Ion: 91 Resp: 35953
Ion Ratio Lower Upper
91 100
92 67.8 26.7 80.1
134 0.0 12.9 38.6#



#95
Naphthalene
Concen: 4.84 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD068715.D
Acq: 29 Mar 2021 23:12

Tgt Ion:128 Resp: 84074
Ion Ratio Lower Upper
128 100
127 14.9 10.2 15.4
129 12.0 8.9 13.3

