

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073416.D
 Acq On : 27 May 2022 17:37
 Operator : VA/SY
 Sample : N3075-04
 Misc : 5.97G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SS-4

Quant Time: May 28 09:45:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

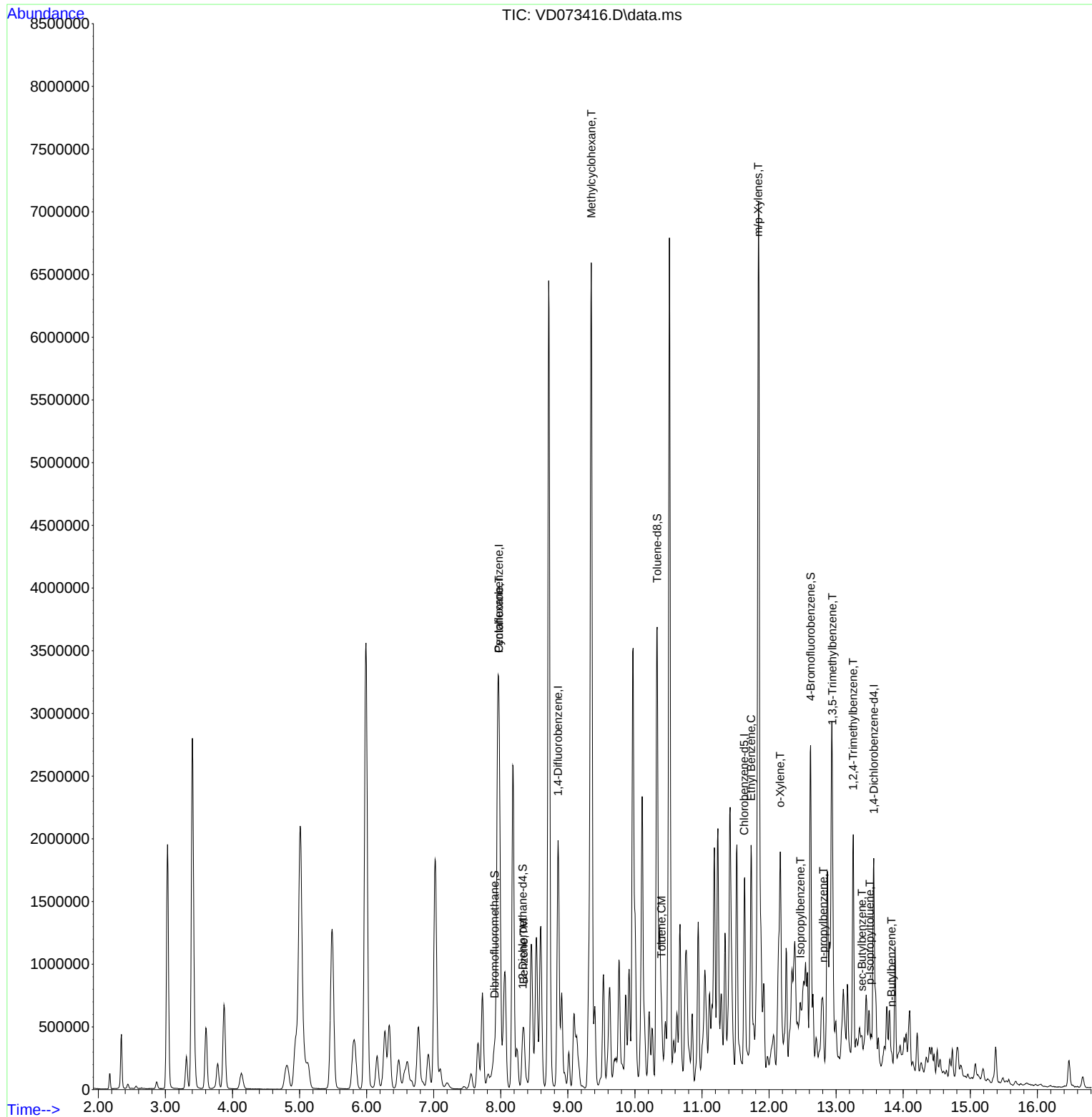
Internal Standards						
1) Pentafluorobenzene	7.973	168	464368	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	769814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	795071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	391582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	218484	42.574	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.140%		
35) Dibromofluoromethane	7.908	113	216467	42.614	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.220%		
50) Toluene-d8	10.332	98	1055063	56.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	112.680%		
62) 4-Bromofluorobenzene	12.620	95	413576	62.935	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	125.880%		
Target Compounds					Qvalue	
31) Cyclohexane	7.973	56	1408577	157.065	ug/l	97
39) Methylcyclohexane	9.350	83	2779215	326.419	ug/l	99
40) Benzene	8.344	78	314543	14.286	ug/l	99
52) Toluene	10.397	92	219241	15.757	ug/l	97
67) Ethyl Benzene	11.732	91	1027139	35.873	ug/l	98
68) m/p-Xylenes	11.838	106	1257059	113.002	ug/l	99
69) o-Xylene	12.167	106	409436	40.065	ug/l	96
73) Isopropylbenzene	12.467	105	159567	5.716	ug/l	97
78) n-propylbenzene	12.808	91	322804	9.211	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	408645	17.281	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	1006019	43.064	ug/l	98
85) sec-Butylbenzene	13.385	105	50285	1.652	ug/l #	61
86) p-Isopropyltoluene	13.502	119	54672	2.204	ug/l	94
89) n-Butylbenzene	13.826	91	53503	2.264	ug/l #	72

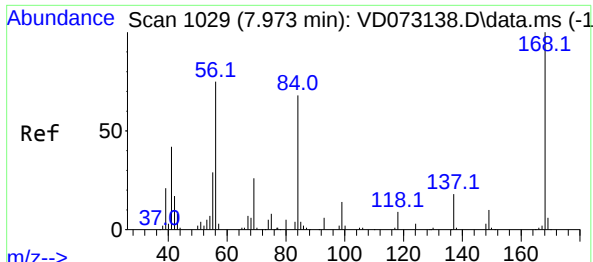
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073416.D

Acq: 27 May 2022 17:37

Instrument :

MSVOA_D

ClientSampleId :

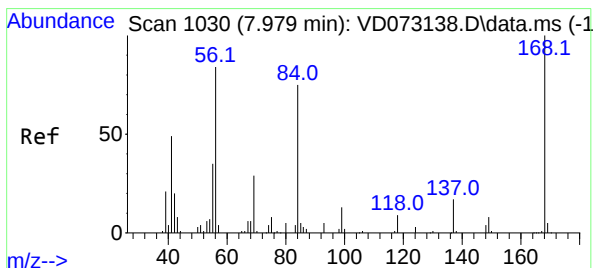
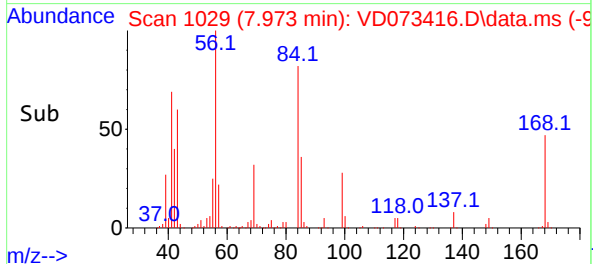
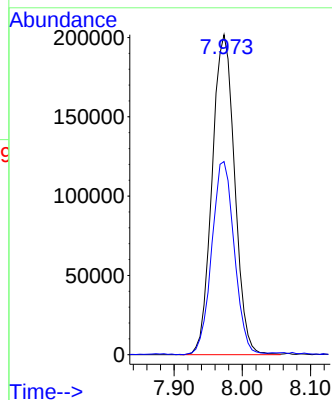
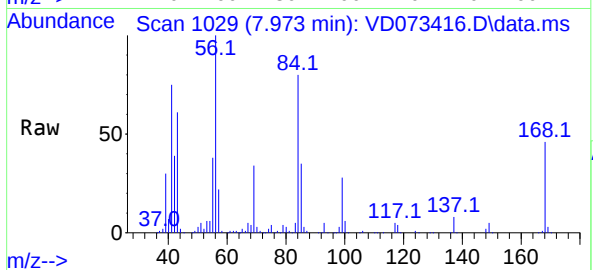
SS-4

Tgt Ion:168 Resp: 464368

Ion Ratio Lower Upper

168 100

99 60.3 49.8 74.6



#31

Cyclohexane

Concen: 157.065 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073416.D

Acq: 27 May 2022 17:37

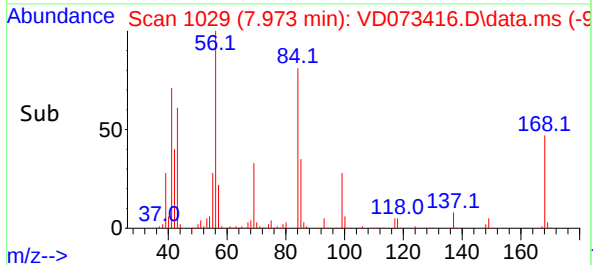
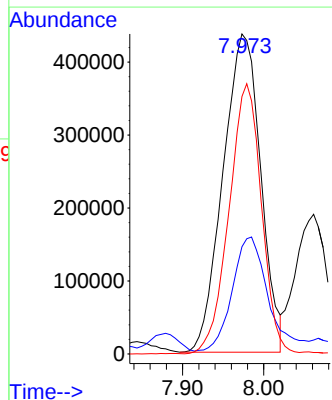
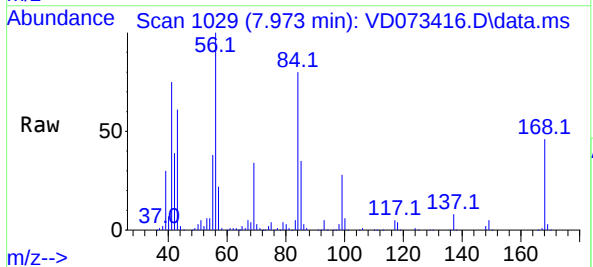
Tgt Ion: 56 Resp: 1408577

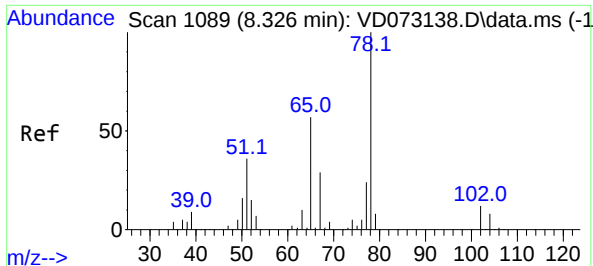
Ion Ratio Lower Upper

56 100

69 30.0 25.4 38.2

84 80.8 63.0 94.4

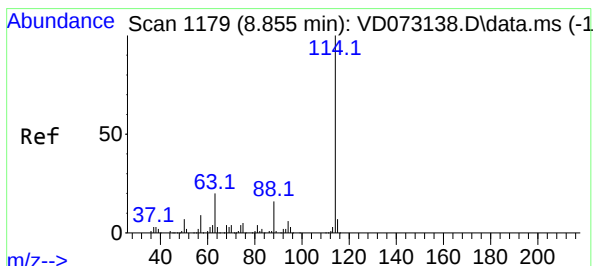
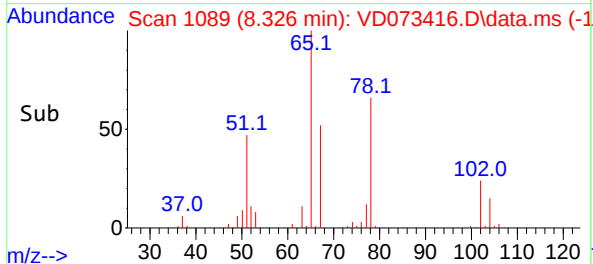
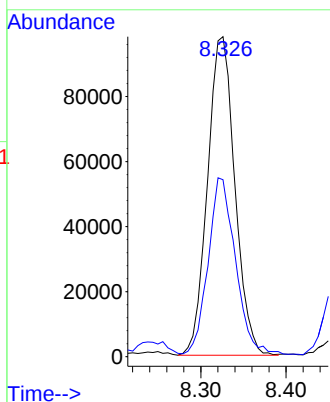
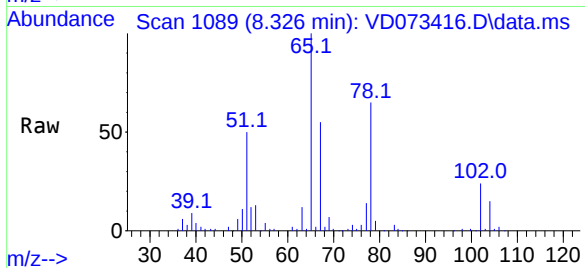




#33
1,2-Dichloroethane-d4
Concen: 42.574 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

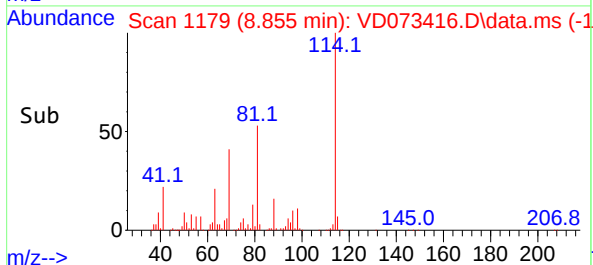
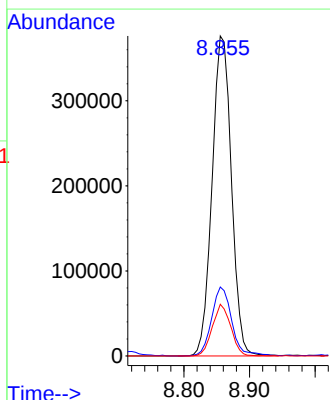
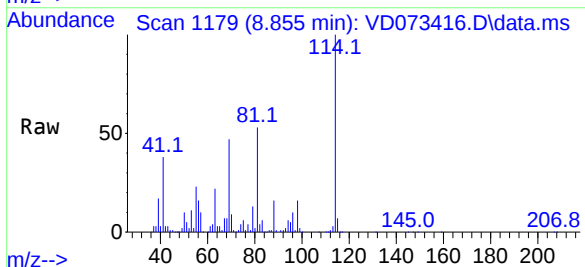
Instrument :
MSVOA_D
ClientSampleId :
SS-4

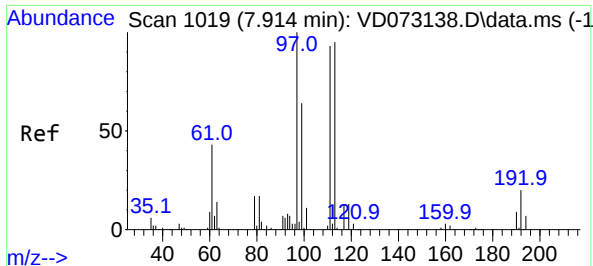
Tgt Ion: 65 Resp: 218484
Ion Ratio Lower Upper
65 100
67 55.0 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion:114 Resp: 769814
Ion Ratio Lower Upper
114 100
63 21.5 0.0 46.6
88 16.1 0.0 33.2





#35

Dibromofluoromethane

Concen: 42.614 ug/l

RT: 7.908 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD073416.D

Acq: 27 May 2022 17:37

Instrument :

MSVOA_D

ClientSampleId :

SS-4

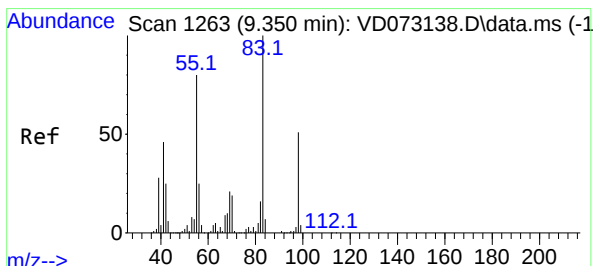
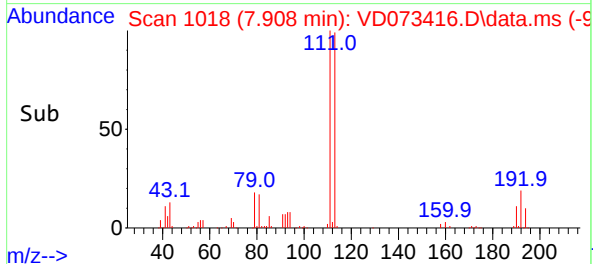
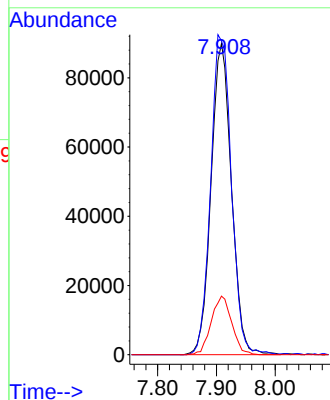
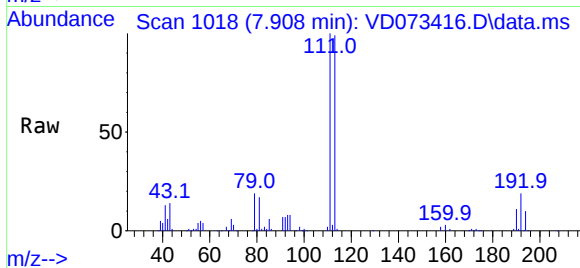
Tgt Ion:113 Resp: 216467

Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 18.9 14.6 21.8



#39

Methylcyclohexane

Concen: 326.419 ug/l

RT: 9.350 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD073416.D

Acq: 27 May 2022 17:37

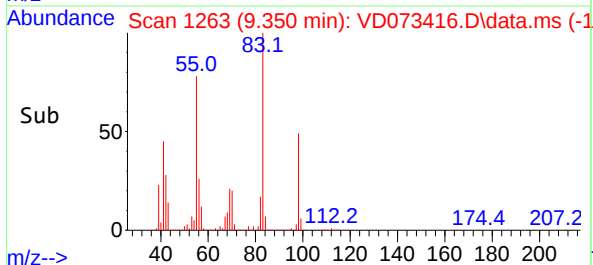
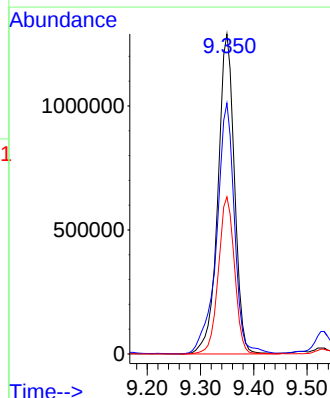
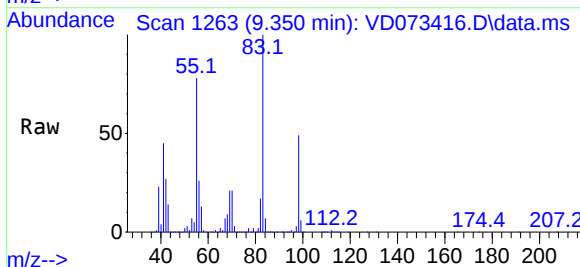
Tgt Ion: 83 Resp: 2779215

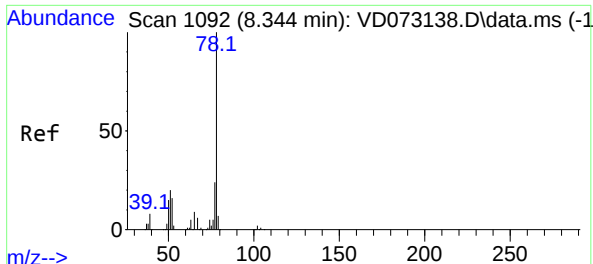
Ion Ratio Lower Upper

83 100

55 78.3 63.2 94.8

98 49.1 38.2 57.4

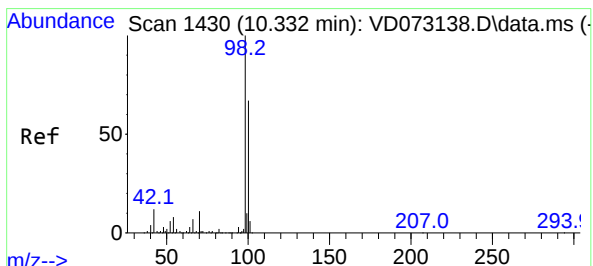
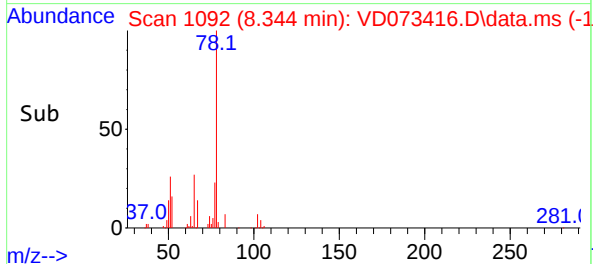
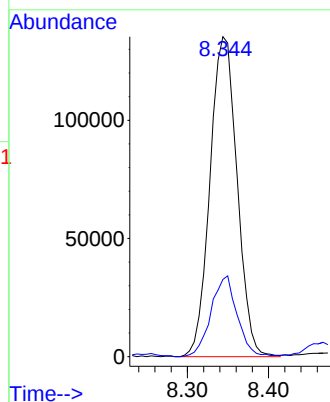
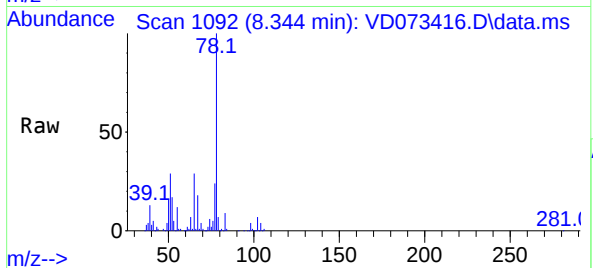




#40
Benzene
Concen: 14.286 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

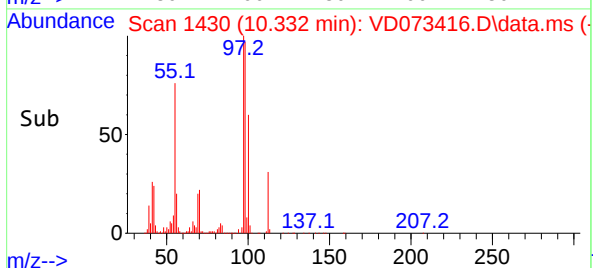
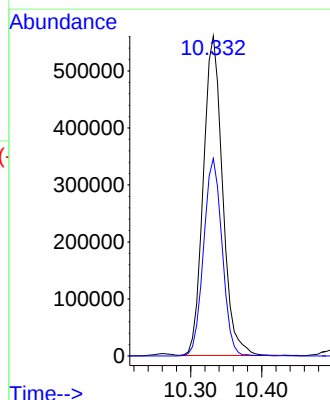
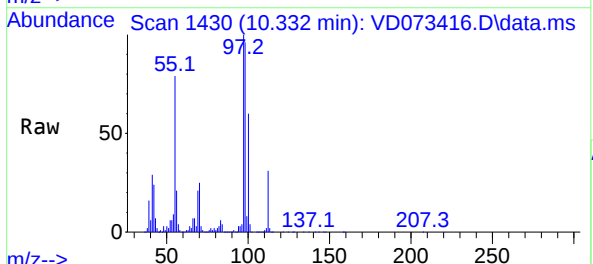
Instrument :
MSVOA_D
ClientSampleId :
SS-4

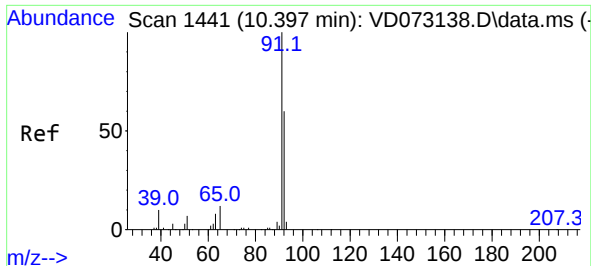
Tgt Ion: 78 Resp: 314543
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



#50
Toluene-d8
Concen: 56.345 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion: 98 Resp: 1055063
Ion Ratio Lower Upper
98 100
100 59.4 52.4 78.6

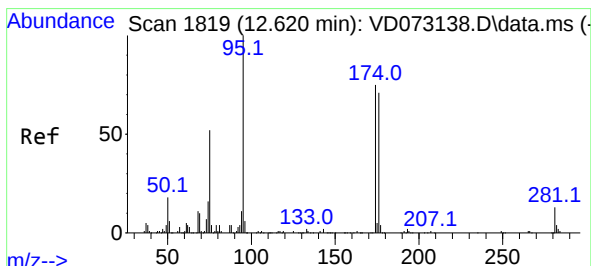
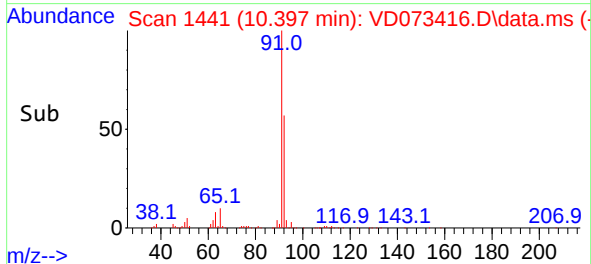
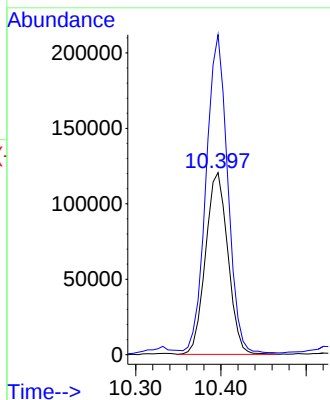
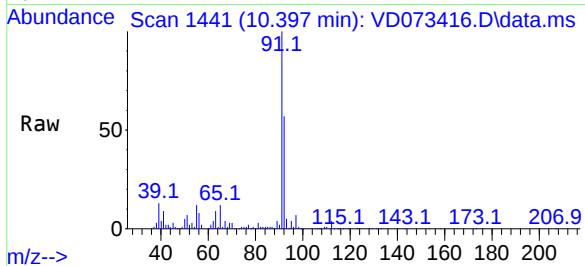




#52
Toluene
Concen: 15.757 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

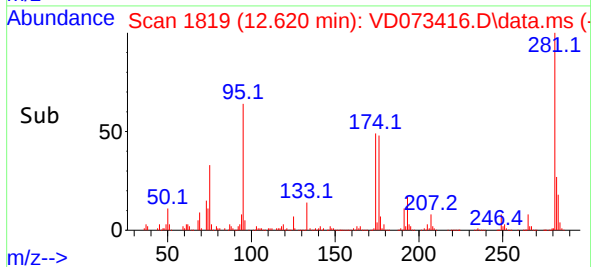
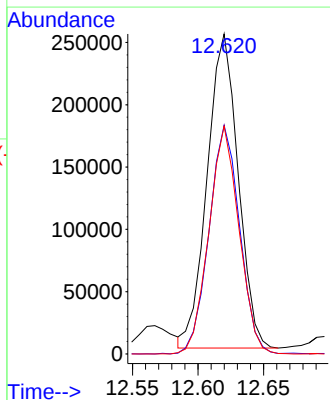
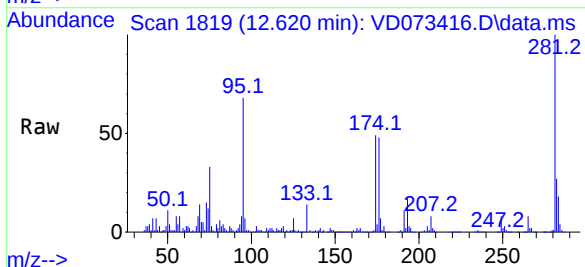
Instrument :
MSVOA_D
ClientSampleId :
SS-4

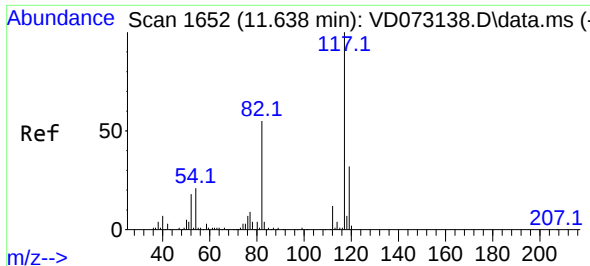
Tgt Ion: 92 Resp: 219241
Ion Ratio Lower Upper
92 100
91 170.0 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 62.935 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion: 95 Resp: 413576
Ion Ratio Lower Upper
95 100
174 72.0 0.0 152.8
176 70.5 0.0 145.4

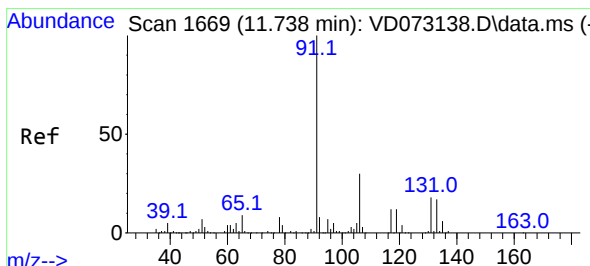
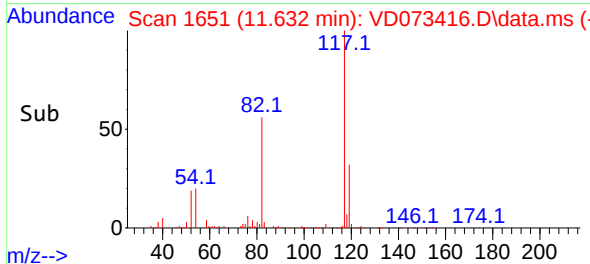
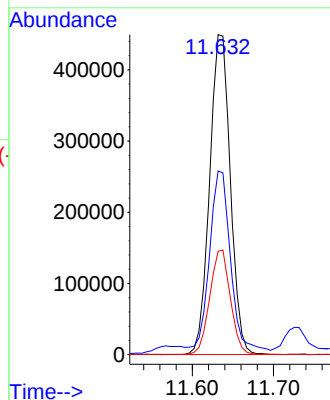
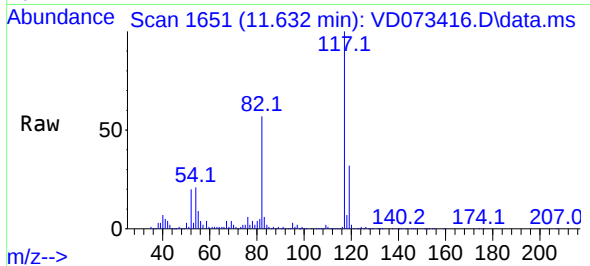




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

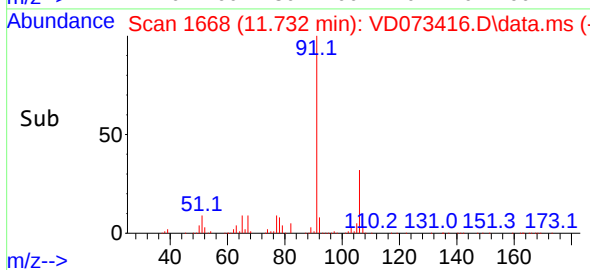
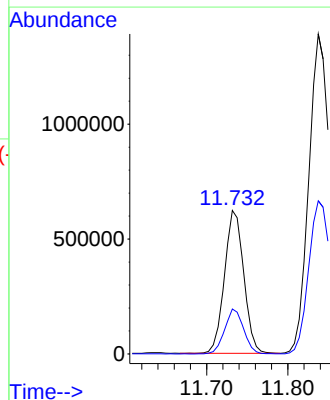
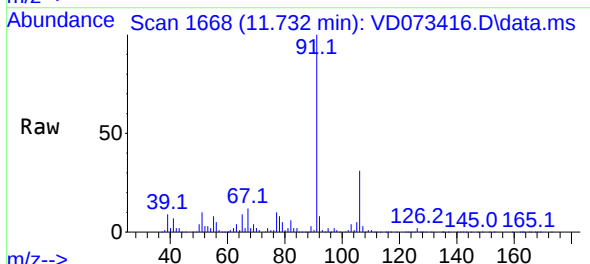
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ClientSampleId :
SS-4

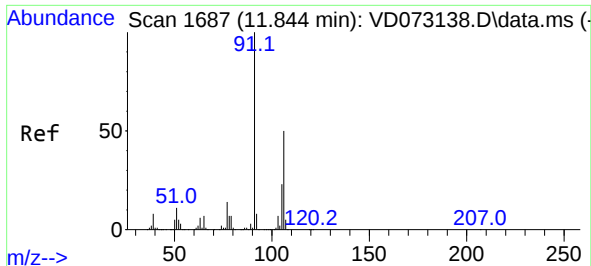
Tgt Ion:117 Resp: 795071
Ion Ratio Lower Upper
117 100
82 54.8 45.3 67.9
119 32.3 26.6 40.0



#67
Ethyl Benzene
Concen: 35.873 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion: 91 Resp: 1027139
Ion Ratio Lower Upper
91 100
106 31.4 24.2 36.4

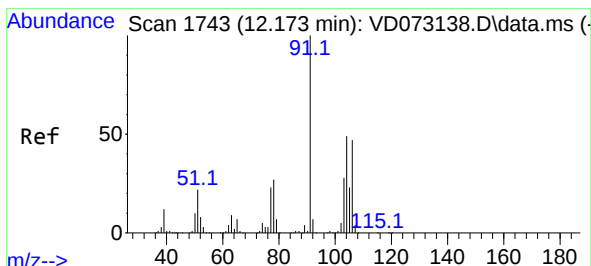
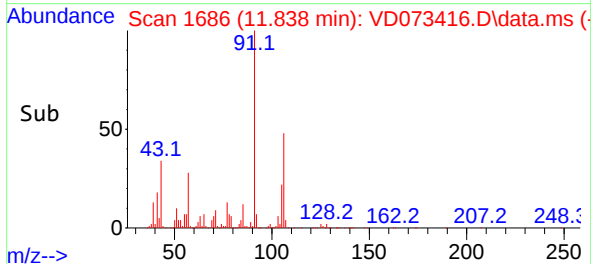
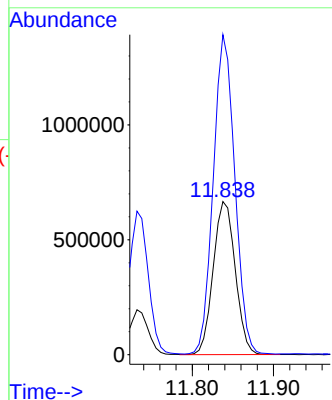
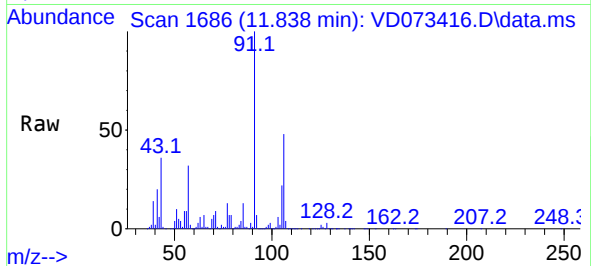




#68
m/p-Xylenes
Concen: 113.002 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

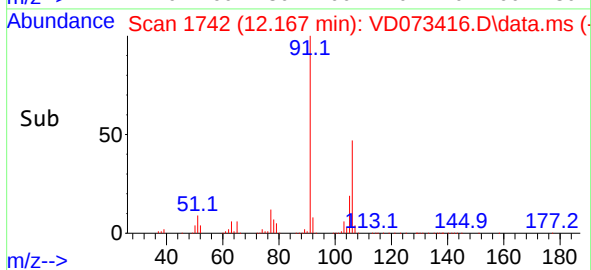
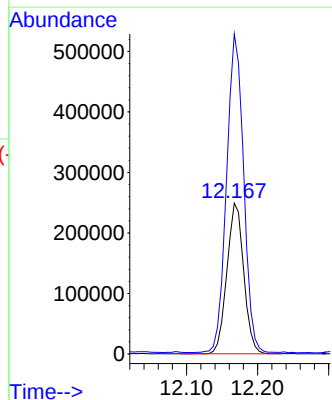
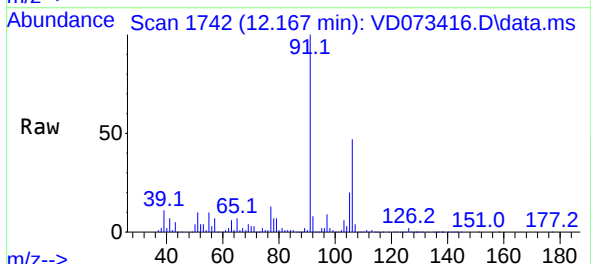
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MSVOA_D
ClientSampleId :
SS-4

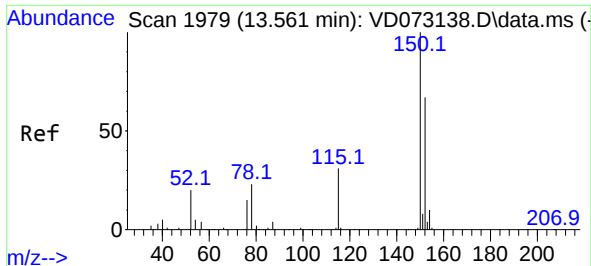
Tgt Ion:106 Resp: 1257059
Ion Ratio Lower Upper
106 100
91 203.4 163.7 245.5



#69
o-Xylene
Concen: 40.065 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion:106 Resp: 409436
Ion Ratio Lower Upper
106 100
91 214.1 110.4 331.2

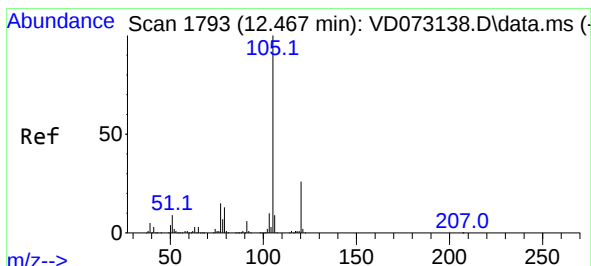
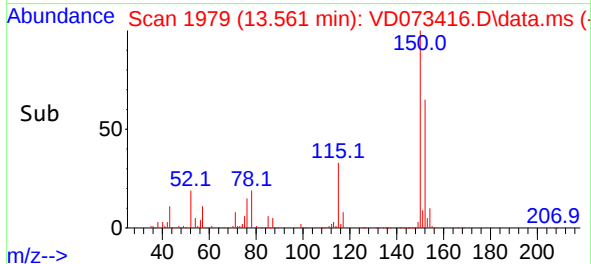
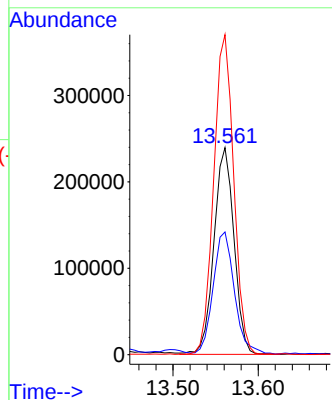
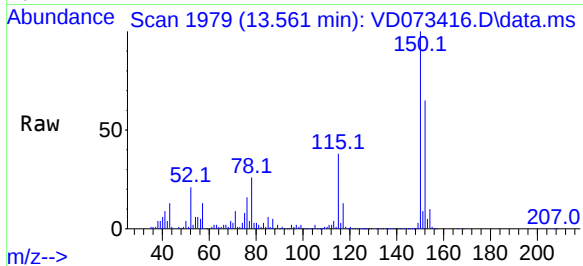




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

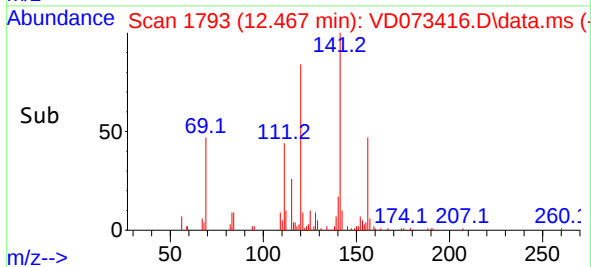
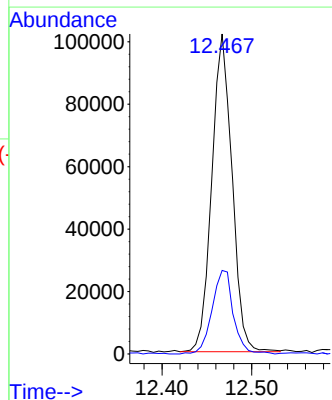
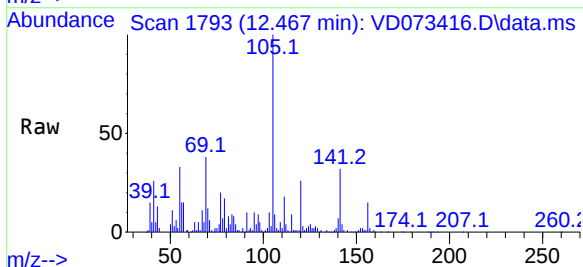
Instrument :
MSVOA_D
ClientSampleId :
SS-4

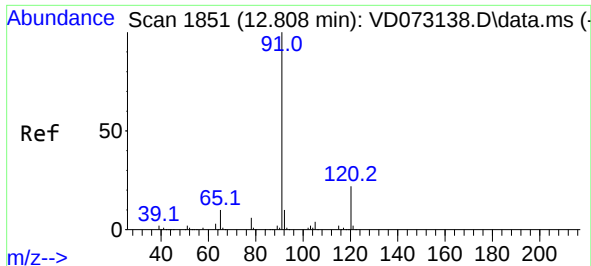
Tgt Ion:152 Resp: 391582
Ion Ratio Lower Upper
152 100
115 62.6 31.3 93.8
150 153.6 0.0 348.6



#73
Isopropylbenzene
Concen: 5.716 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion:105 Resp: 159567
Ion Ratio Lower Upper
105 100
120 27.6 13.0 38.9

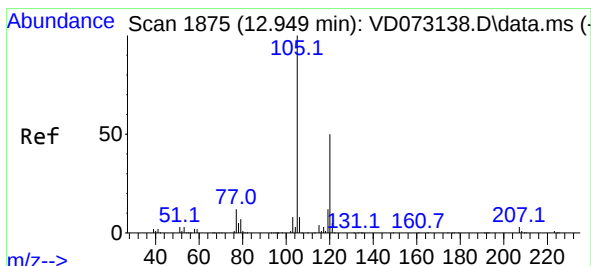
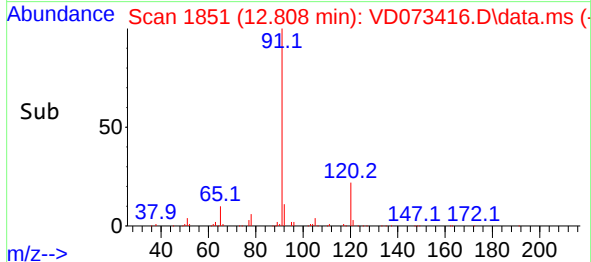
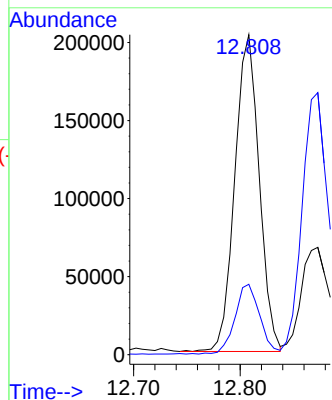
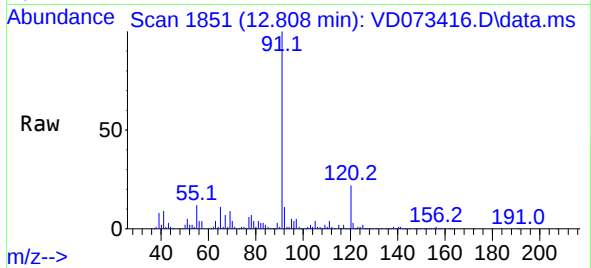




#78
n-propylbenzene
Concen: 9.211 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

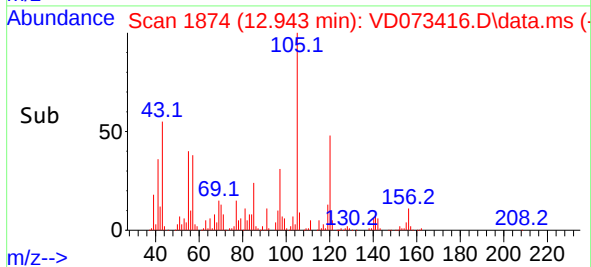
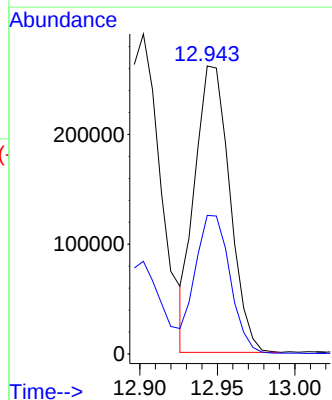
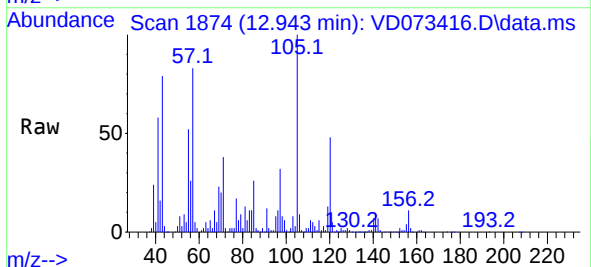
Instrument :
MSVOA_D
ClientSampleId :
SS-4

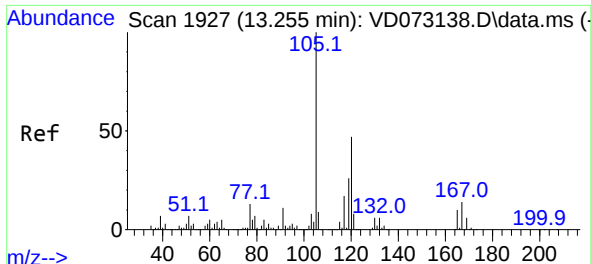
Tgt Ion: 91 Resp: 322804
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 17.281 ug/l
RT: 12.943 min Scan# 1874
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion: 105 Resp: 408645
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.8

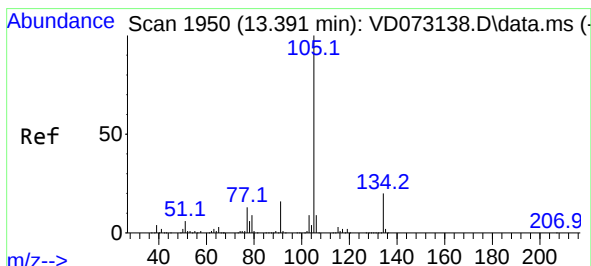
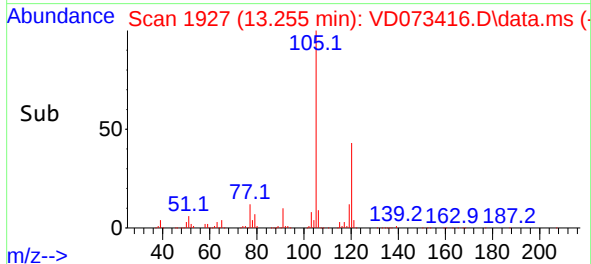
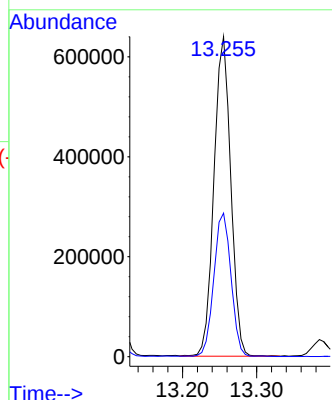
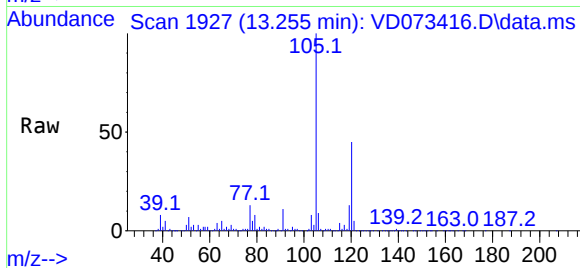




#84
1,2,4-Trimethylbenzene
Concen: 43.064 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

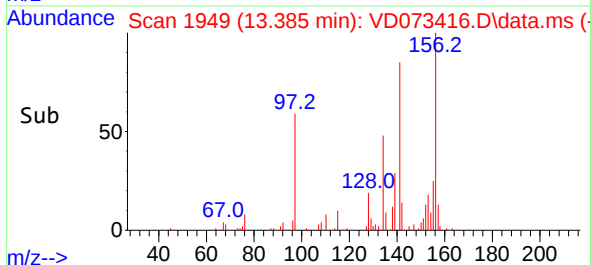
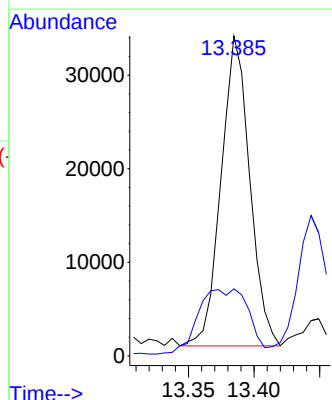
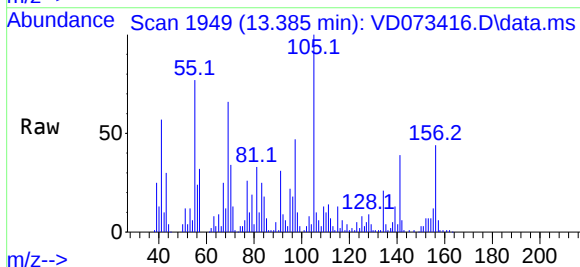
Instrument :
MSVOA_D
ClientSampleId :
SS-4

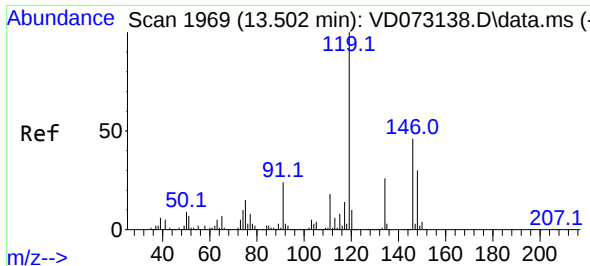
Tgt Ion:105 Resp: 1006019
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8



#85
sec-Butylbenzene
Concen: 1.652 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.006 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion:105 Resp: 50285
Ion Ratio Lower Upper
105 100
134 37.2 9.8 29.3#

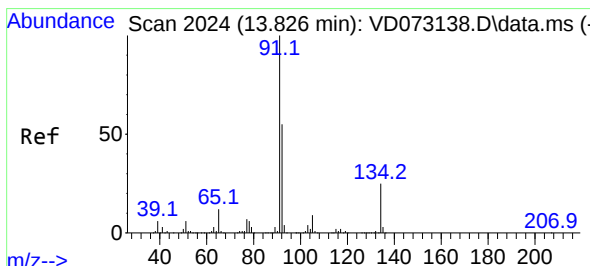
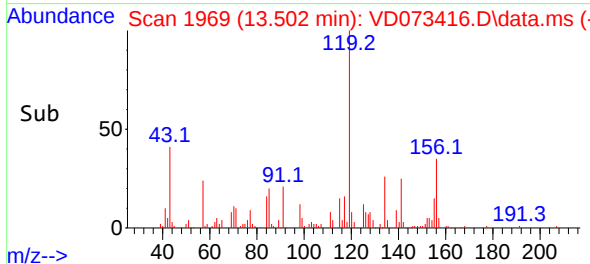
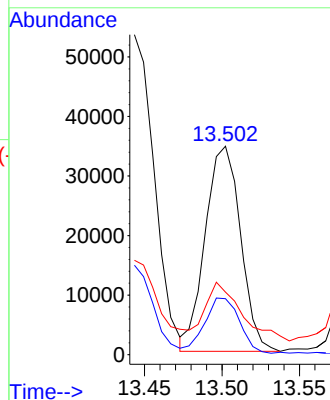
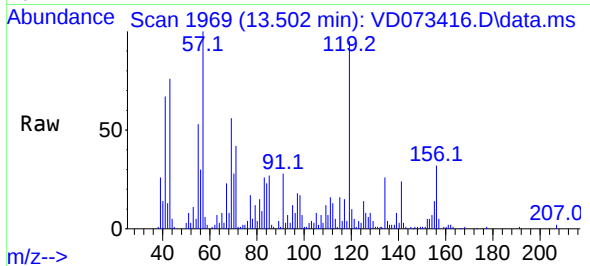




#86
p-Isopropyltoluene
Concen: 2.204 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Instrument :
MSVOA_D
ClientSampleId :
SS-4

Tgt Ion:	119	Resp:	54672
Ion	Ratio	Lower	Upper
119	100		
134	26.7	12.9	38.6
91	28.8	12.1	36.3



#89
n-Butylbenzene
Concen: 2.264 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073416.D
Acq: 27 May 2022 17:37

Tgt Ion:	91	Resp:	53503
Ion	Ratio	Lower	Upper
91	100		
92	65.6	26.6	79.8
134	0.0	12.3	36.9#

