

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052722\
 Data File : VD073419.D
 Acq On : 27 May 2022 19:04
 Operator : VA/SY
 Sample : N3104-01
 Misc : 4.92G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-6

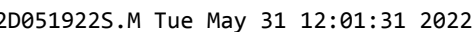
Quant Time: May 28 09:47:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

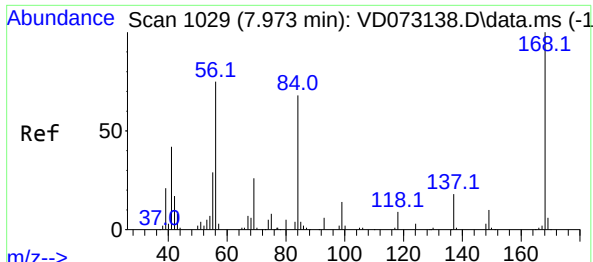
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	475890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	806687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	799795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	396591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	225121	42.805	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.600%
35) Dibromofluoromethane	7.908	113	217067	40.779	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.560%
50) Toluene-d8	10.332	98	1268222	64.632	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	129.260%
62) 4-Bromofluorobenzene	12.620	95	440552	63.976	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	127.960%
Target Compounds					Qvalue	
31) Cyclohexane	7.979	56	4748432	516.658	ug/l	95
39) Methylcyclohexane	9.349	83	8318797	932.382	ug/l	98
40) Benzene	8.344	78	1931683	83.722	ug/l	100
52) Toluene	10.396	92	203015	13.924	ug/l	97
67) Ethyl Benzene	11.738	91	2815630	97.755	ug/l	99
68) m/p-Xylenes	11.843	106	1322708	118.201	ug/l	100
69) o-Xylene	12.167	106	137857	13.410	ug/l	97
73) Isopropylbenzene	12.467	105	374238	13.237	ug/l	99
78) n-propylbenzene	12.808	91	684500	19.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	696745	29.092	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1738692	73.487	ug/l	98
85) sec-Butylbenzene	13.384	105	88383	2.868	ug/l #	59
86) p-Isopropyltoluene	13.502	119	96971	3.860	ug/l	95
89) n-Butylbenzene	13.826	91	89221	3.727	ug/l #	74
95) Naphthalene	15.379	128	525456	41.161	ug/l	99

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

Quant Time: May 28 09:47:16 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

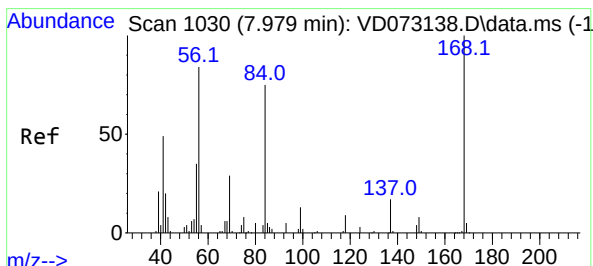
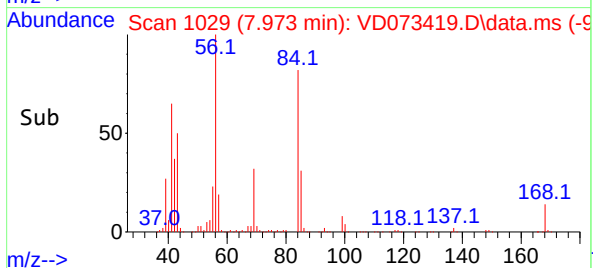
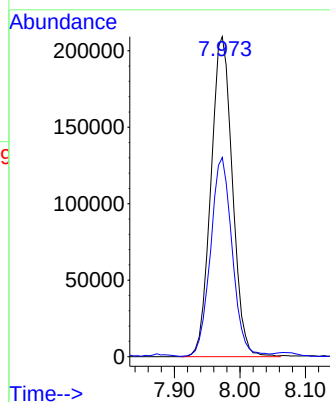
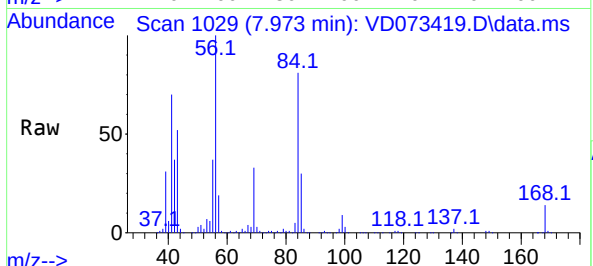




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

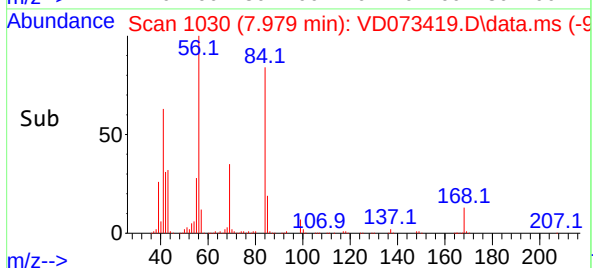
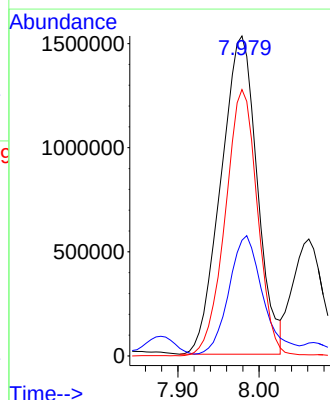
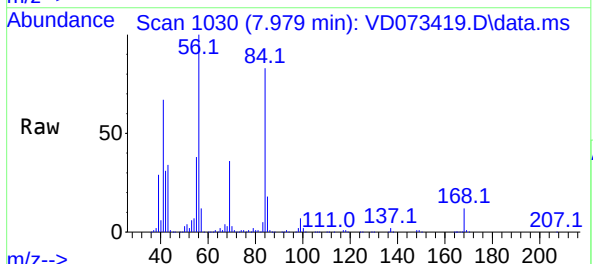
Instrument :
MSVOA_D
ClientSampleId :
WC-6

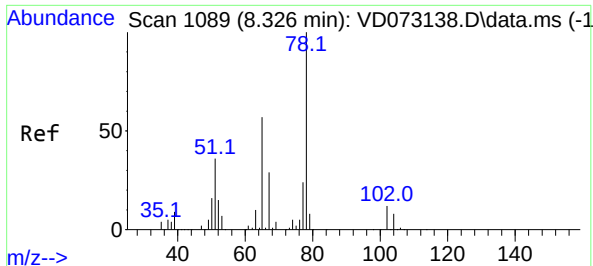
Tgt Ion:168 Resp: 475890
Ion Ratio Lower Upper
168 100
99 62.2 49.8 74.6



#31
Cyclohexane
Concen: 516.658 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion: 56 Resp: 4748432
Ion Ratio Lower Upper
56 100
69 34.0 25.4 38.2
84 83.6 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 42.805 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD073419.D

Acq: 27 May 2022 19:04

Instrument :

MSVOA_D

ClientSampleId :

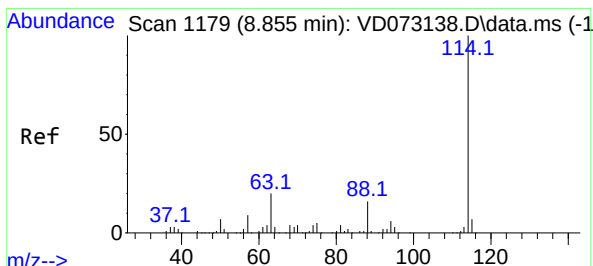
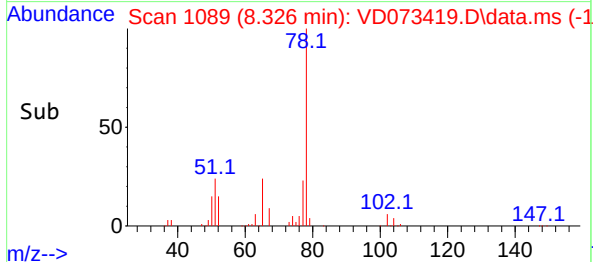
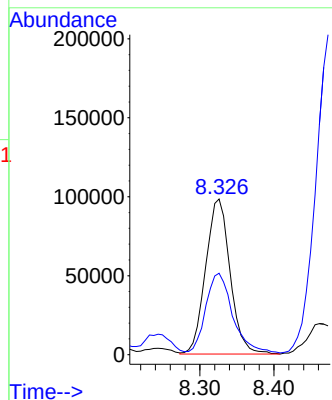
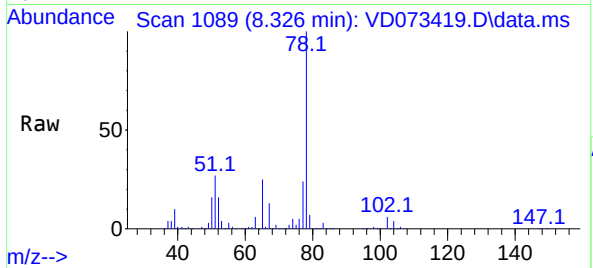
WC-6

Tgt Ion: 65 Resp: 225121

Ion Ratio Lower Upper

65 100

67 56.3 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: VD073419.D

Acq: 27 May 2022 19:04

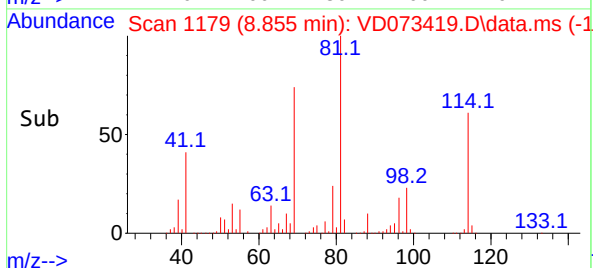
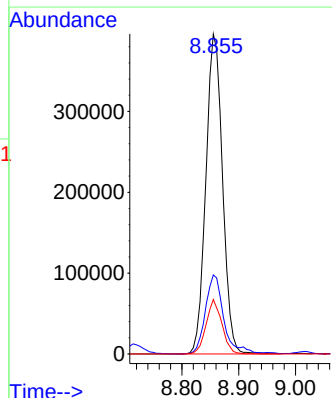
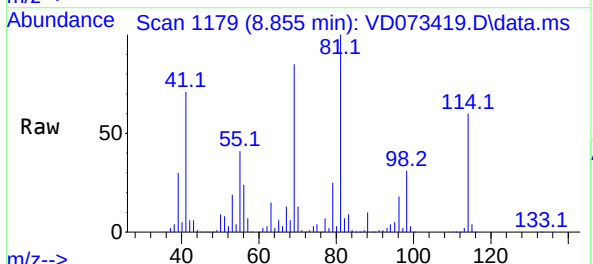
Tgt Ion: 114 Resp: 806687

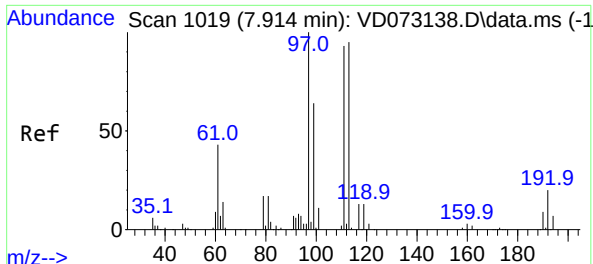
Ion Ratio Lower Upper

114 100

63 24.7 0.0 46.6

88 17.0 0.0 33.2

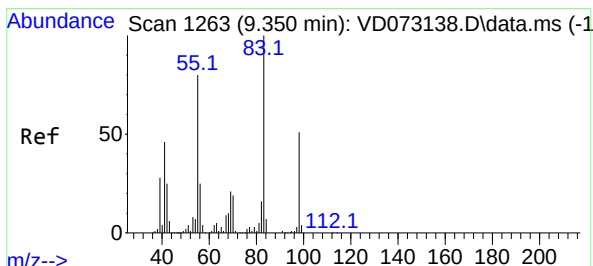
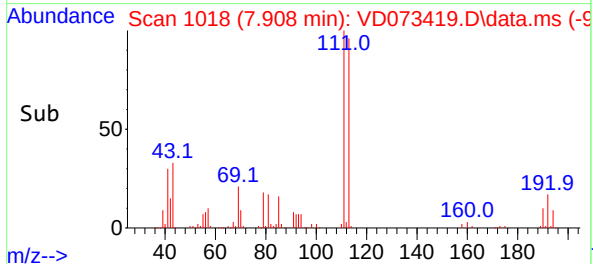
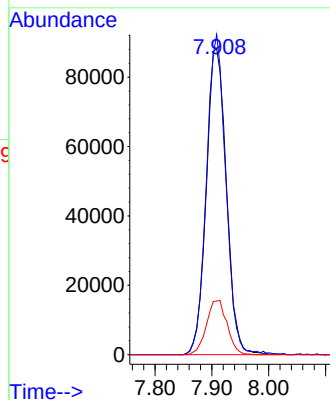
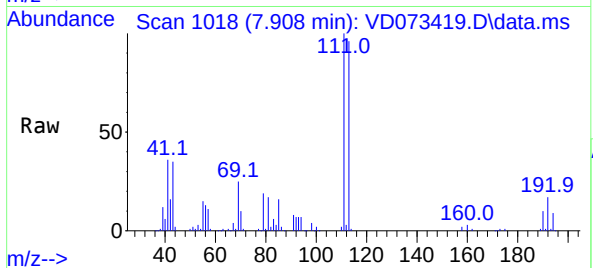




#35
Dibromofluoromethane
Concen: 40.779 ug/l
RT: 7.908 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

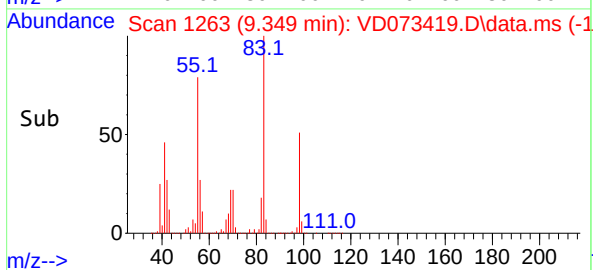
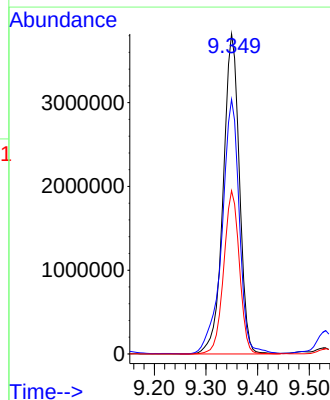
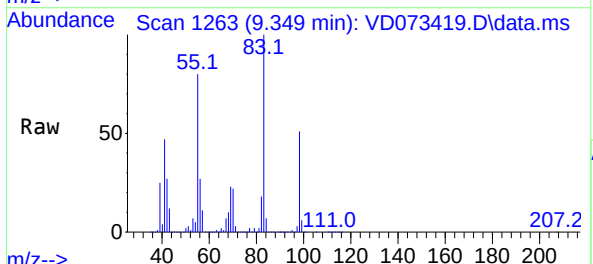
Instrument :
MSVOA_D
ClientSampleId :
WC-6

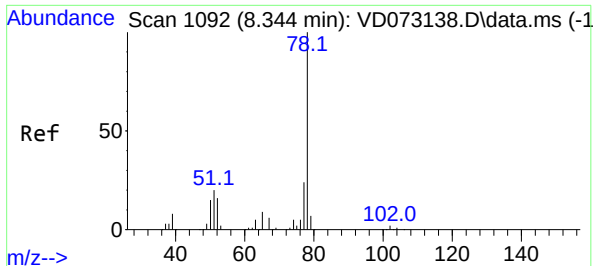
Tgt Ion:113 Resp: 217067
Ion Ratio Lower Upper
113 100
111 100.7 83.8 125.6
192 18.2 14.6 21.8



#39
Methylcyclohexane
Concen: 932.382 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.001 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion: 83 Resp: 8318797
Ion Ratio Lower Upper
83 100
55 79.5 63.2 94.8
98 51.0 38.2 57.4

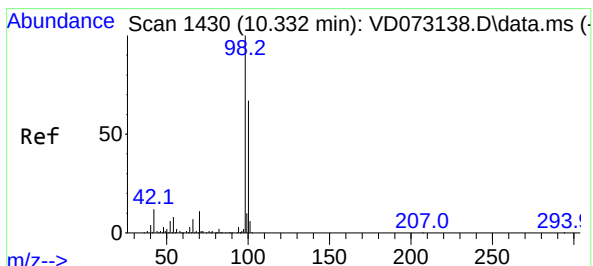
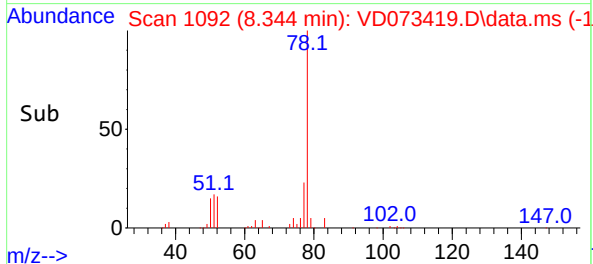
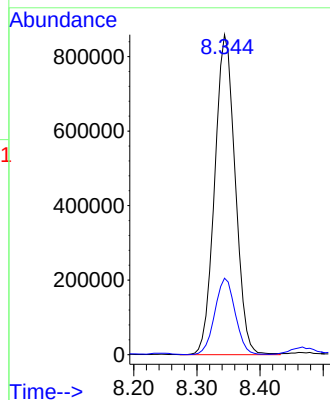
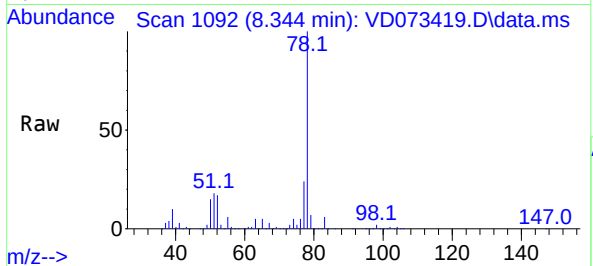




#40
Benzene
Concen: 83.722 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

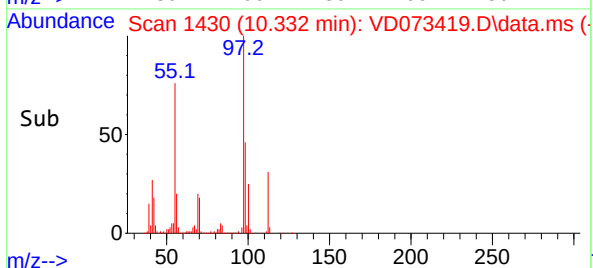
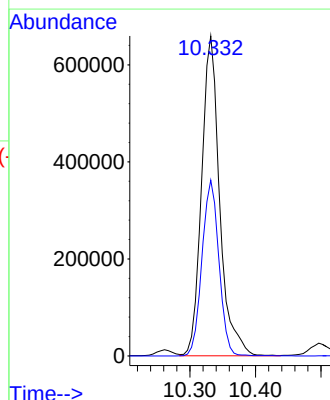
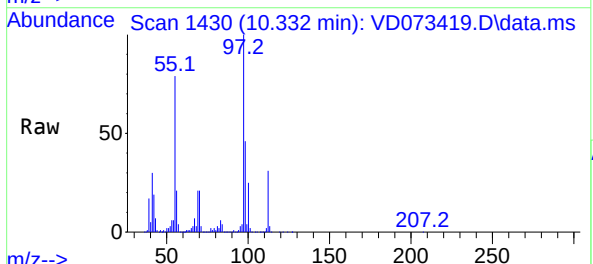
Instrument :
MSVOA_D
ClientSampleId :
WC-6

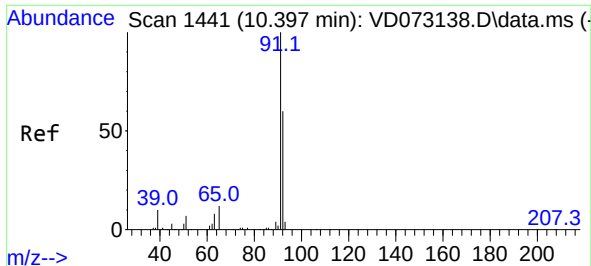
Tgt Ion: 78 Resp: 1931683
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7



#50
Toluene-d8
Concen: 64.632 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion: 98 Resp: 1268222
Ion Ratio Lower Upper
98 100
100 51.2 52.4 78.6#

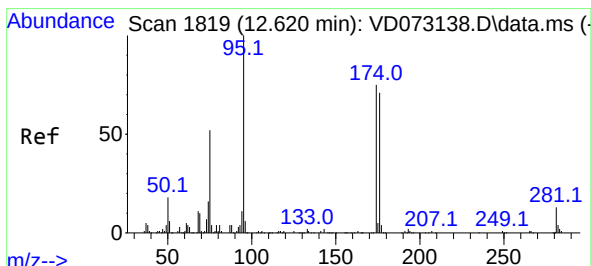
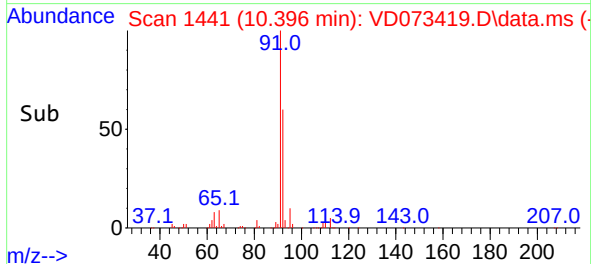
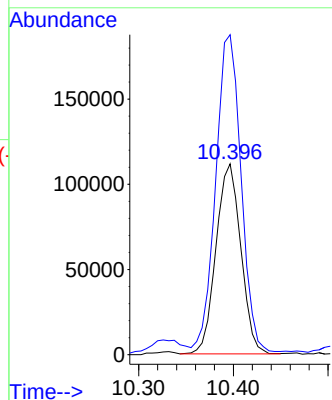
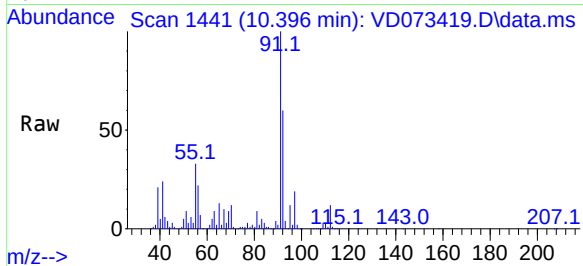




#52
Toluene
Concen: 13.924 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

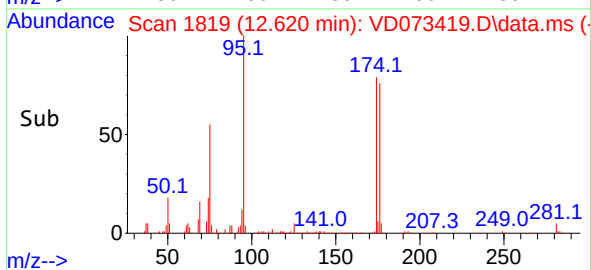
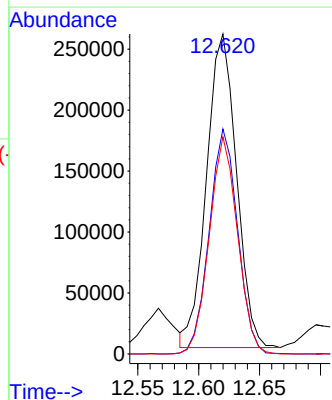
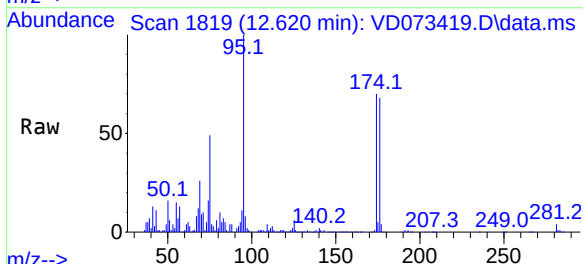
Instrument :
MSVOA_D
ClientSampleId :
WC-6

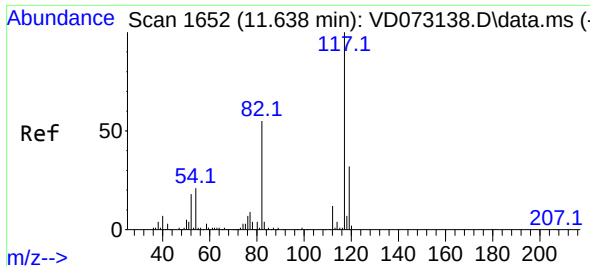
Tgt Ion: 92 Resp: 203015
Ion Ratio Lower Upper
92 100
91 169.9 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 63.976 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion: 95 Resp: 440552
Ion Ratio Lower Upper
95 100
174 68.1 0.0 152.8
176 65.2 0.0 145.4

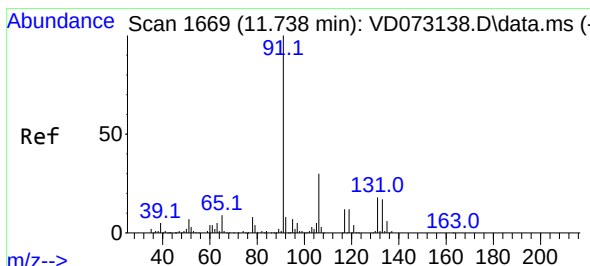
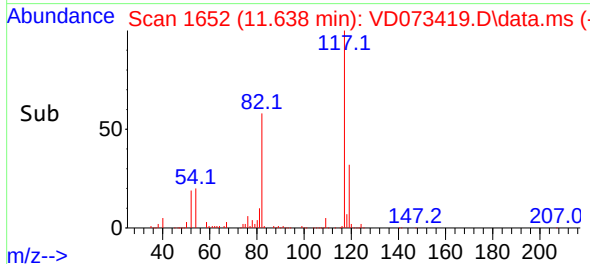
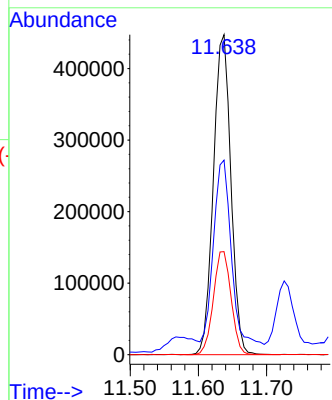
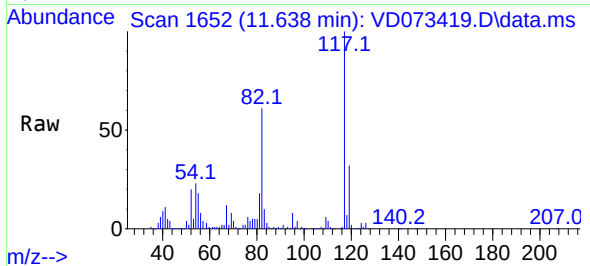




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

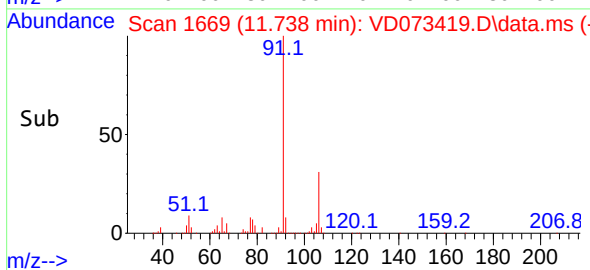
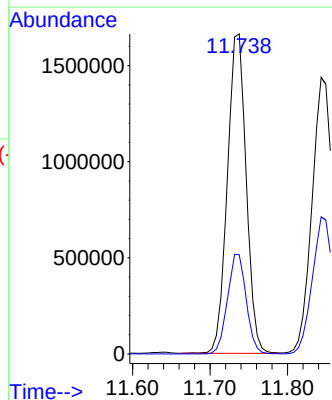
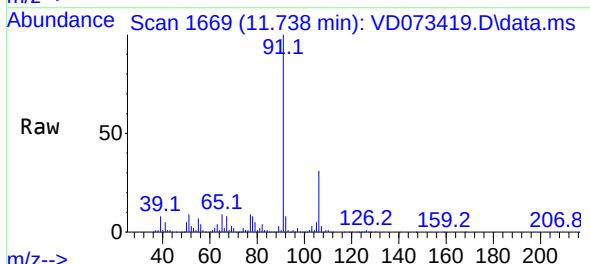
Instrument :
MSVOA_D
ClientSampleId :
WC-6

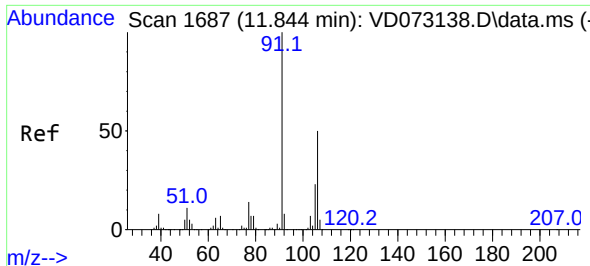
Tgt Ion:	117	Resp:	799795
Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.3	67.9
119	32.2	26.6	40.0



#67
Ethyl Benzene
Concen: 97.755 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion:	91	Resp:	2815630
Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.4

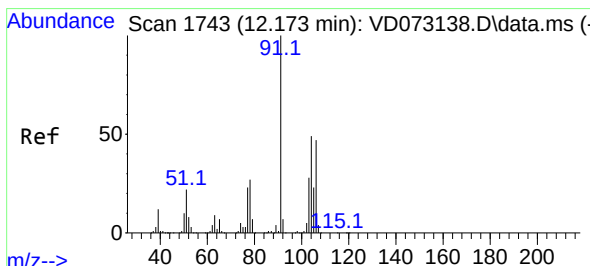
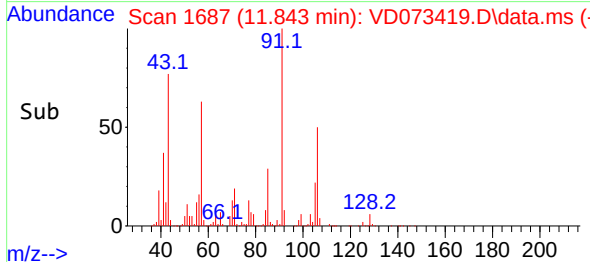
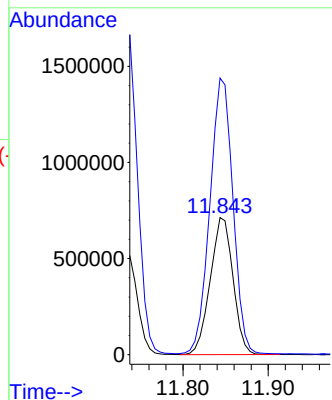
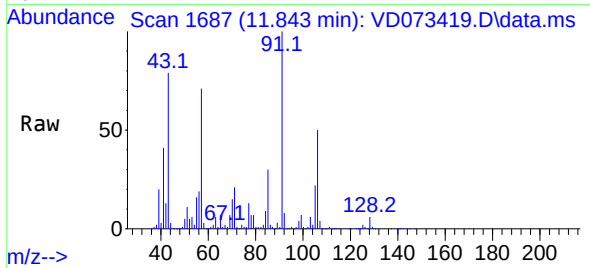




#68
m/p-Xylenes
Concen: 118.201 ug/l
RT: 11.843 min Scan# 1
Delta R.T. -0.001 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

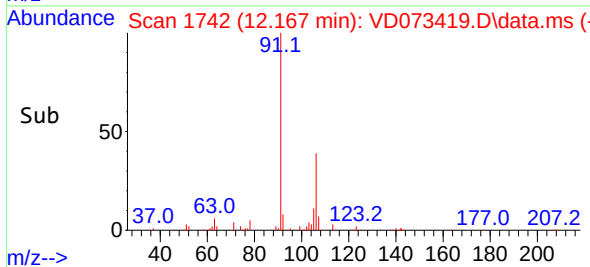
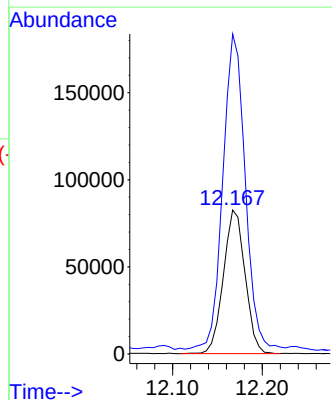
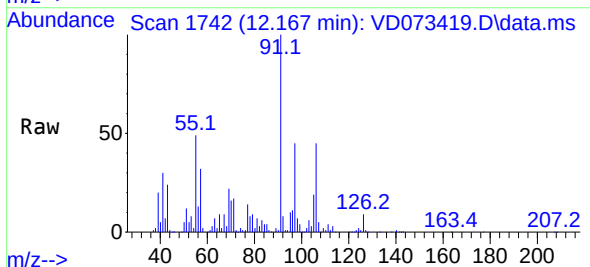
Instrument :
MSVOA_D
ClientSampleId :
WC-6

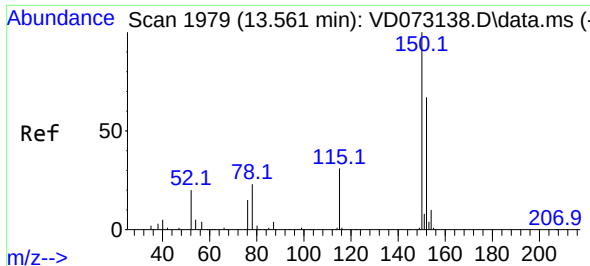
Tgt Ion:106 Resp: 1322708
Ion Ratio Lower Upper
106 100
91 204.4 163.7 245.5



#69
o-Xylene
Concen: 13.410 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion:106 Resp: 137857
Ion Ratio Lower Upper
106 100
91 225.0 110.4 331.2

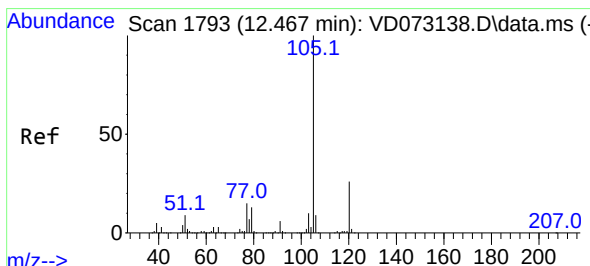
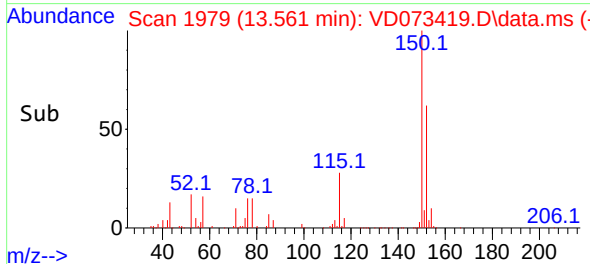
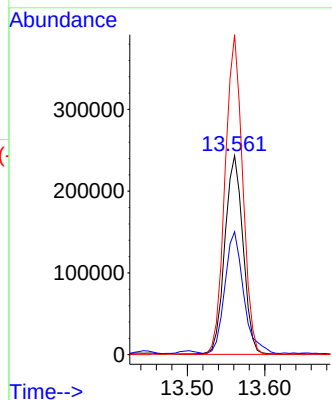
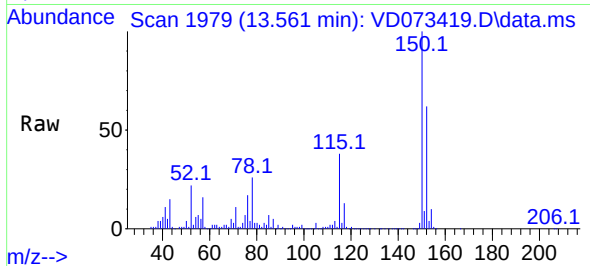




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

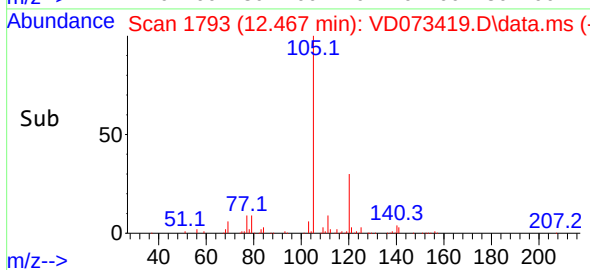
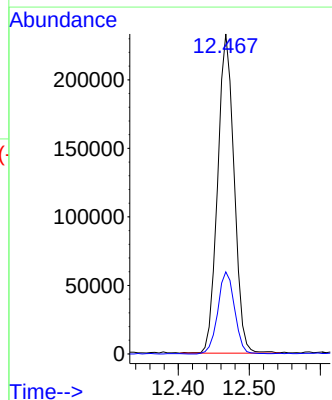
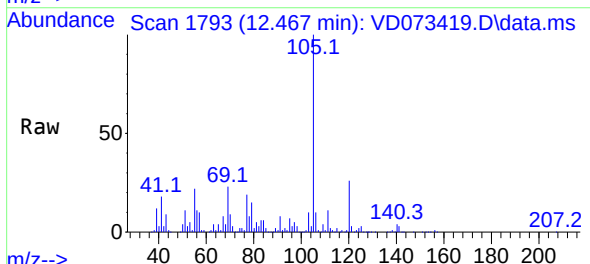
Instrument :
MSVOA_D
ClientSampleId :
WC-6

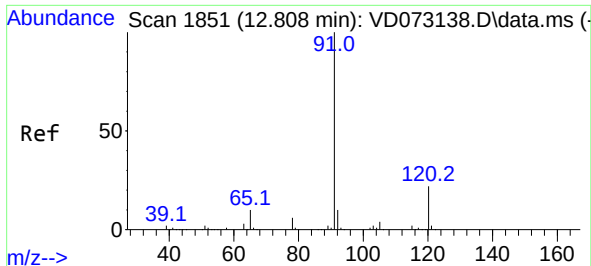
Tgt Ion:152 Resp: 396591
Ion Ratio Lower Upper
152 100
115 63.3 31.3 93.8
150 156.0 0.0 348.6



#73
Isopropylbenzene
Concen: 13.237 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion:105 Resp: 374238
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

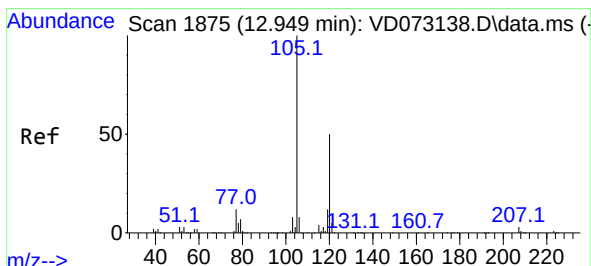
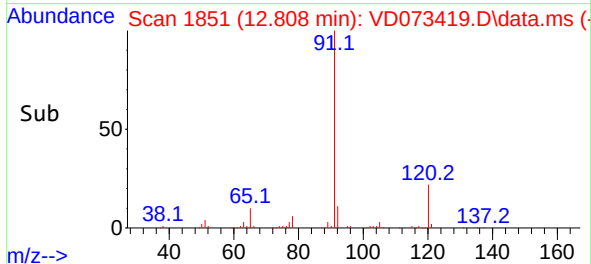
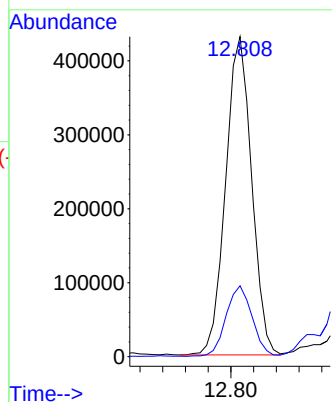
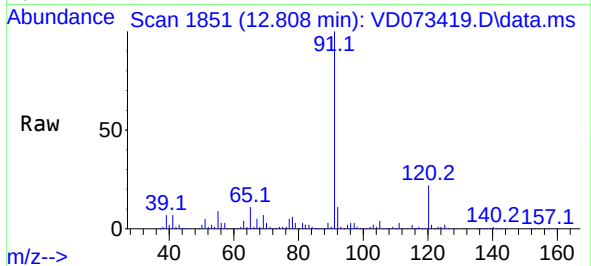




#78
n-propylbenzene
Concen: 19.285 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

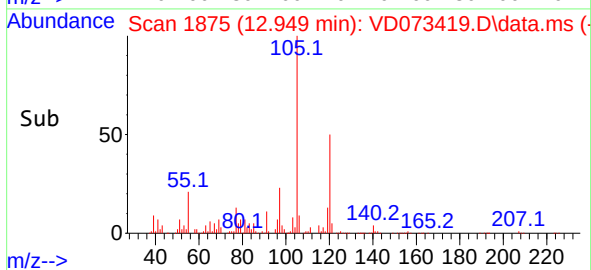
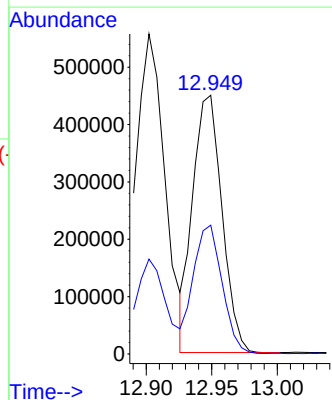
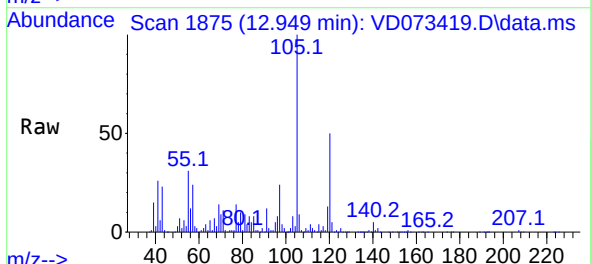
Instrument :
MSVOA_D
ClientSampleId :
WC-6

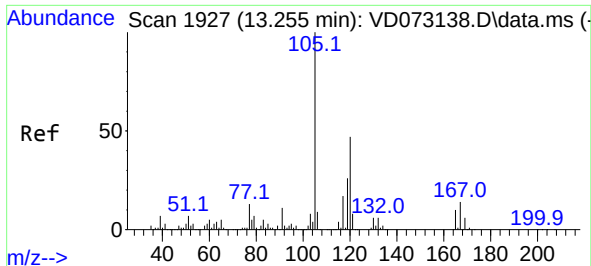
Tgt Ion: 91 Resp: 684500
Ion Ratio Lower Upper
91 100
120 22.2 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 29.092 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion: 105 Resp: 696745
Ion Ratio Lower Upper
105 100
120 49.1 24.3 72.8

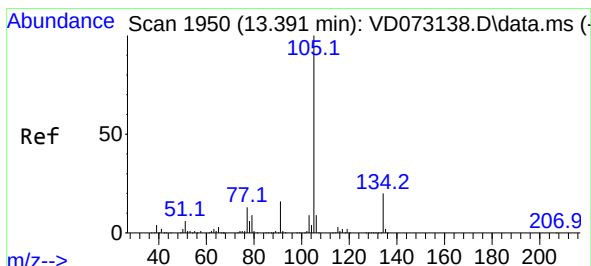
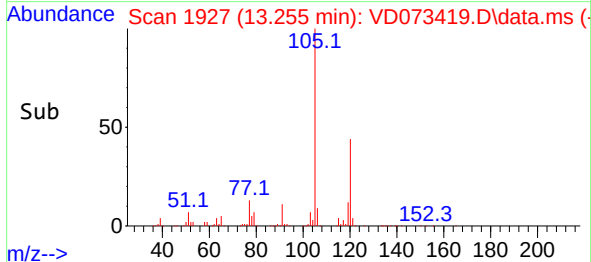
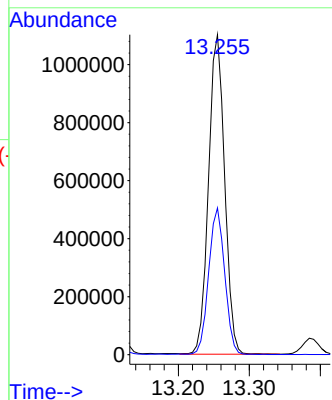
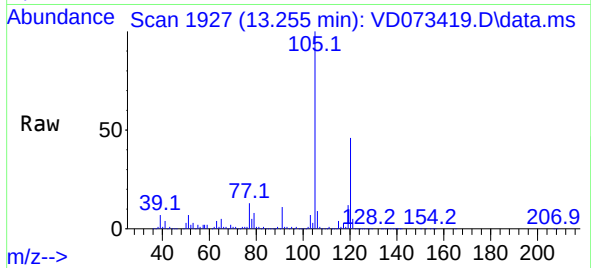




#84
1,2,4-Trimethylbenzene
Concen: 73.487 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

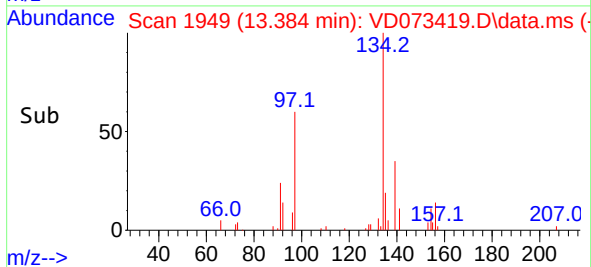
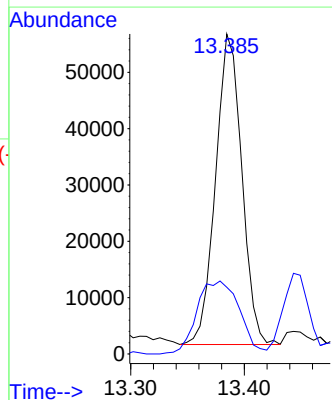
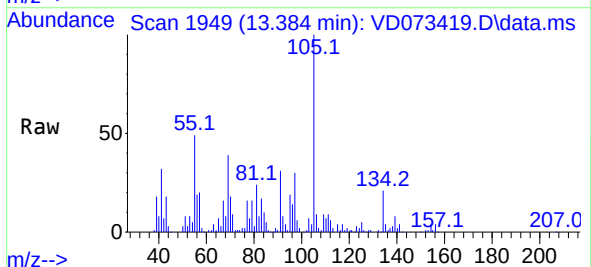
Instrument :
MSVOA_D
ClientSampleId :
WC-6

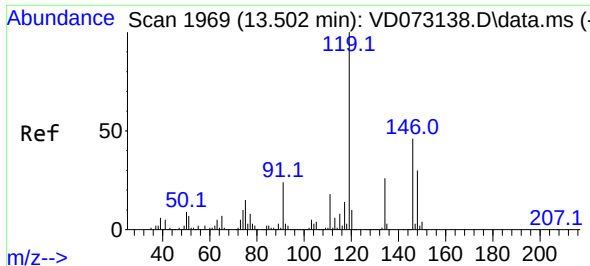
Tgt Ion:105 Resp: 1738692
Ion Ratio Lower Upper
105 100
120 45.6 22.3 66.8



#85
sec-Butylbenzene
Concen: 2.868 ug/l
RT: 13.384 min Scan# 1949
Delta R.T. -0.007 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion:105 Resp: 88383
Ion Ratio Lower Upper
105 100
134 38.0 9.8 29.3#

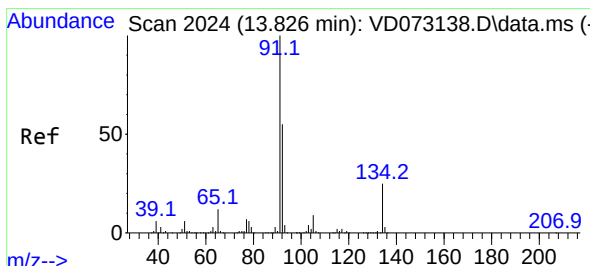
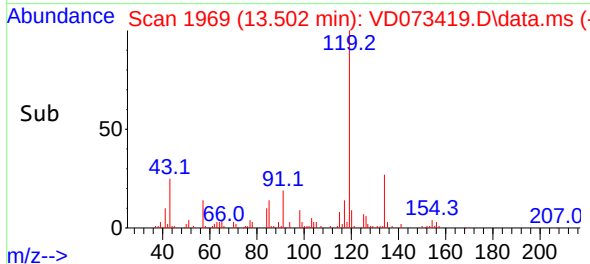
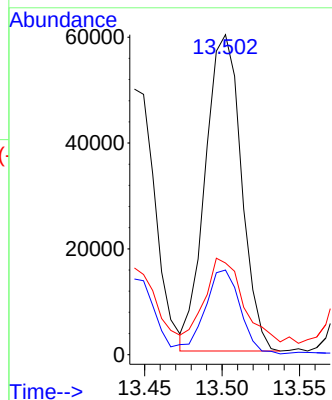
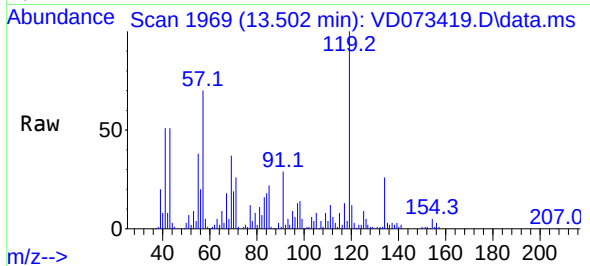




#86
p-Isopropyltoluene
Concen: 3.860 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

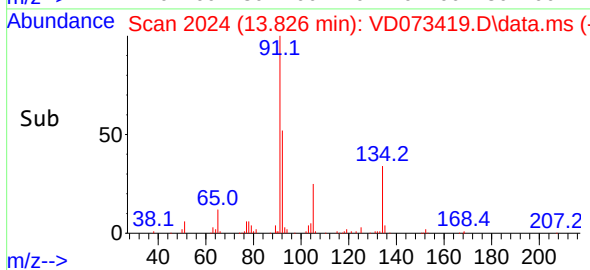
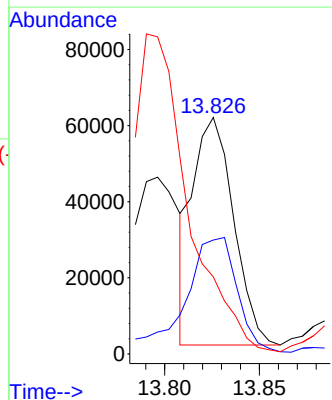
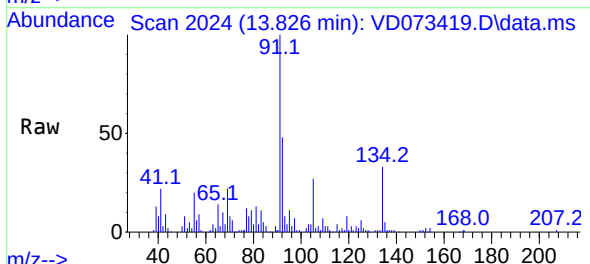
Instrument :
MSVOA_D
ClientSampleId :
WC-6

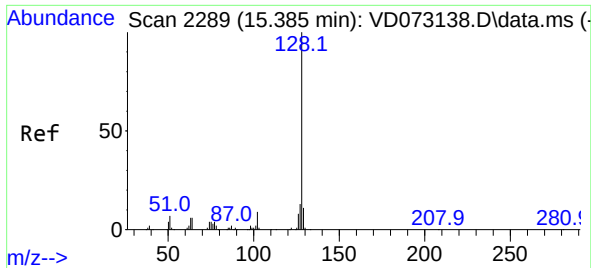
Tgt Ion:	119	Resp:	96971
Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.9	38.6
91	28.9	12.1	36.3



#89
n-Butylbenzene
Concen: 3.727 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Tgt Ion:	91	Resp:	89221
Ion	Ratio	Lower	Upper
91	100		
92	64.2	26.6	79.8
134	0.0	12.3	36.9#





#95
Naphthalene
Concen: 41.161 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073419.D
Acq: 27 May 2022 19:04

Instrument :
MSVOA_D
ClientSampleId :
WC-6

Tgt Ion:128 Resp: 525456
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.3 8.4 12.6

