

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050522\
 Data File : VD072811.D
 Acq On : 05 May 2022 15:44
 Operator : VA/SY
 Sample : N2672-04
 Misc : 7.64G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 04

Quant Time: May 06 03:49:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

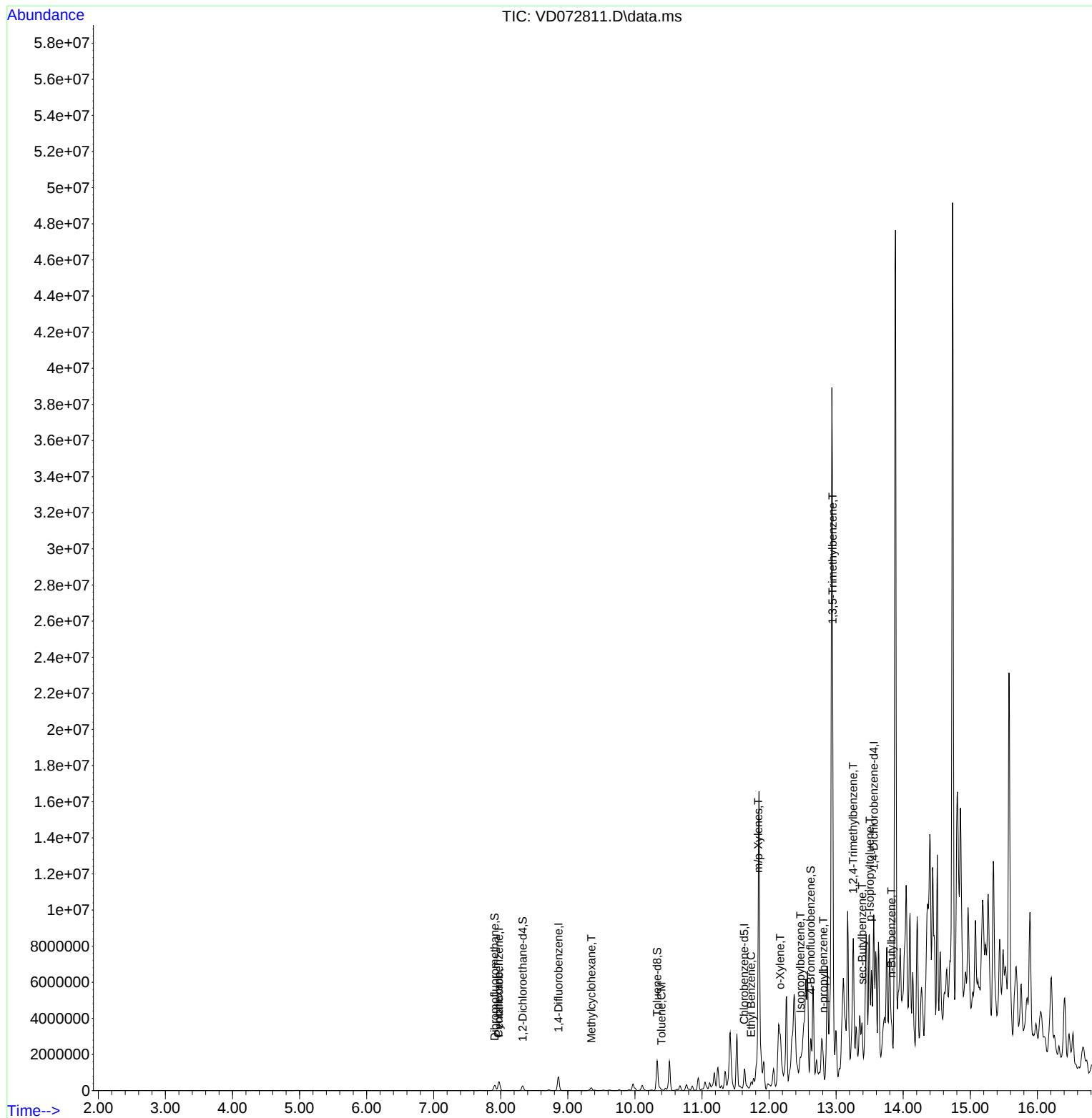
Internal Standards						
1) Pentafluorobenzene	7.973	168	345995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	654150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	672493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	316523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	211944	47.190	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.380%
35) Dibromofluoromethane	7.908	113	216590	47.145	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.280%
50) Toluene-d8	10.332	98	864153	52.437	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	104.880%
62) 4-Bromofluorobenzene	12.620	95	355197	57.804	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	115.600%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.967	56	10995	1.400	ug/l #	27
39) Methylcyclohexane	9.349	83	56717	6.546	ug/l	91
52) Toluene	10.396	92	22830	1.697	ug/l	96
67) Ethyl Benzene	11.732	91	173073	6.429	ug/l	96
68) m/p-Xylenes	11.838	106	410740	39.612	ug/l	98
69) o-Xylene	12.167	106	476735	49.229	ug/l	98
73) Isopropylbenzene	12.467	105	374655	15.214	ug/l	100
78) n-propylbenzene	12.808	91	700505	22.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	1981318	94.884	ug/l	100
84) 1,2,4-Trimethylbenzene	13.255	105	3827368	183.370	ug/l	99
85) sec-Butylbenzene	13.390	105	914003	34.136	ug/l	87
86) p-Isopropyltoluene	13.502	119	660045	30.066	ug/l	99
89) n-Butylbenzene	13.826	91	779805	36.669	ug/l #	76

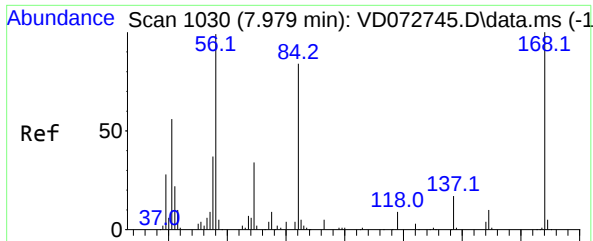
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072811.D

Acq: 05 May 2022 15:44

Instrument :

MSVOA_D

ClientSampleId :

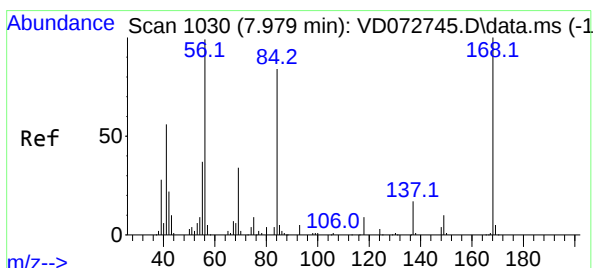
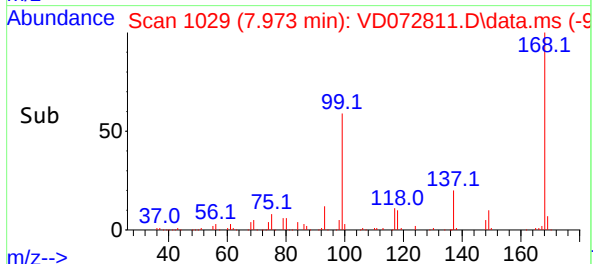
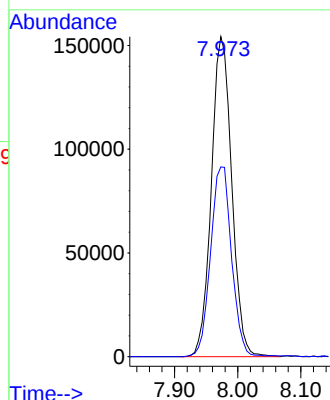
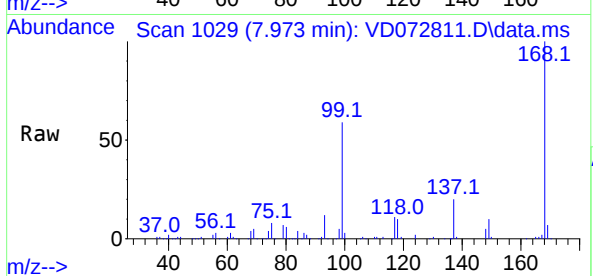
04

Tgt Ion:168 Resp: 345995

Ion Ratio Lower Upper

168 100

99 59.3 49.8 74.6



Cyclohexane

Concen: 1.400 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072811.D

Acq: 05 May 2022 15:44

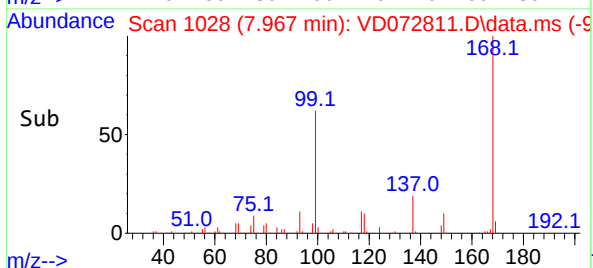
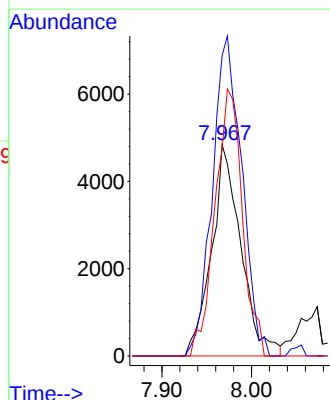
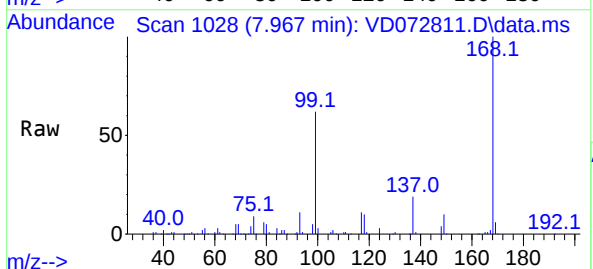
Tgt Ion: 56 Resp: 10995

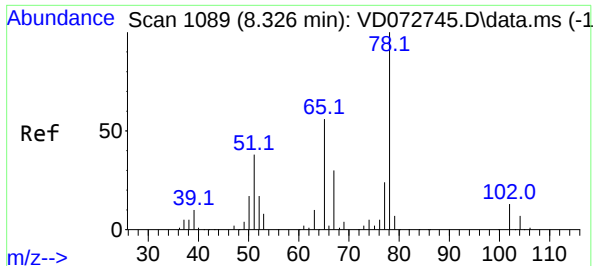
Ion Ratio Lower Upper

56 100

69 142.2 25.4 38.2#

84 97.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 47.190 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072811.D

Acq: 05 May 2022 15:44

Instrument :

MSVOA_D

ClientSampleId :

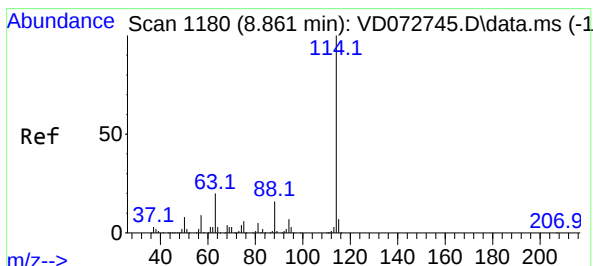
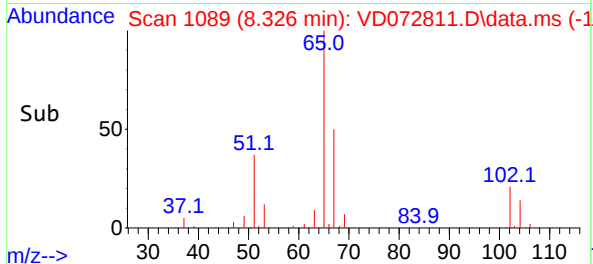
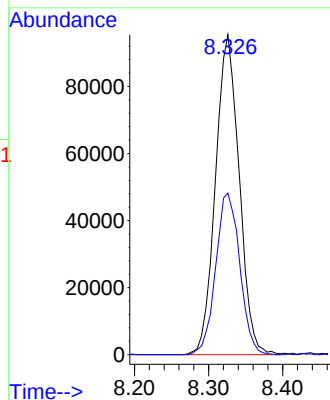
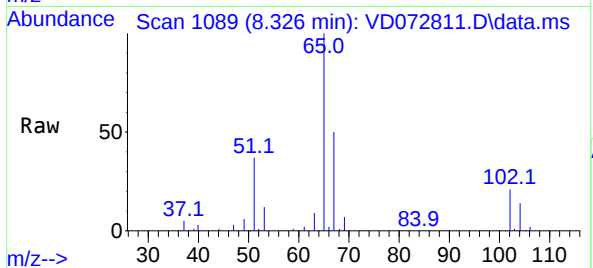
04

Tgt Ion: 65 Resp: 211944

Ion Ratio Lower Upper

65 100

67 51.2 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: VD072811.D

Acq: 05 May 2022 15:44

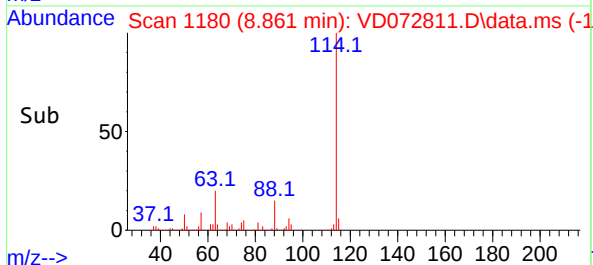
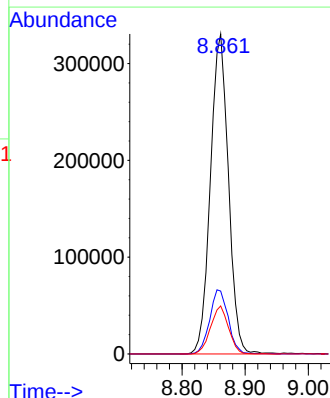
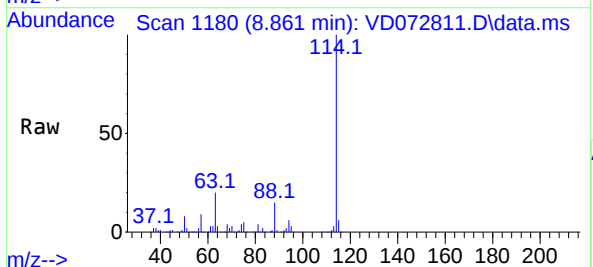
Tgt Ion: 114 Resp: 654150

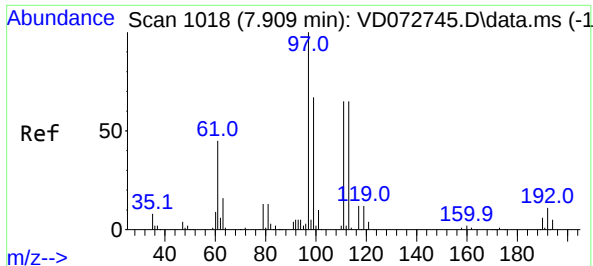
Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.0 0.0 33.2

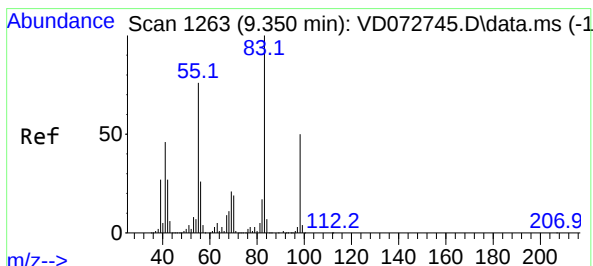
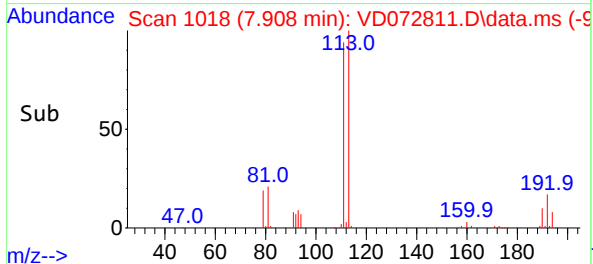
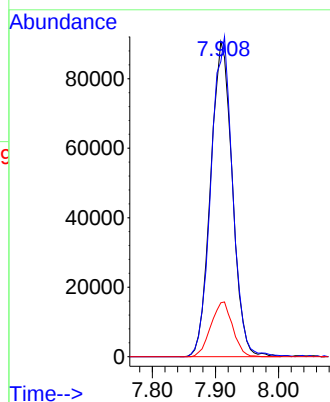
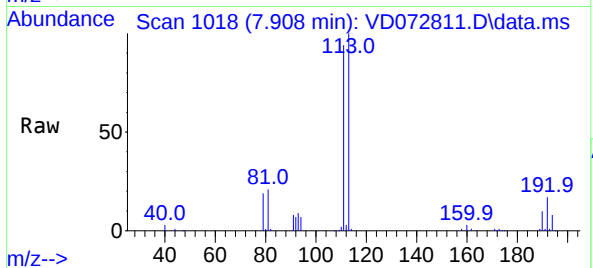




#35
Dibromofluoromethane
Concen: 47.145 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

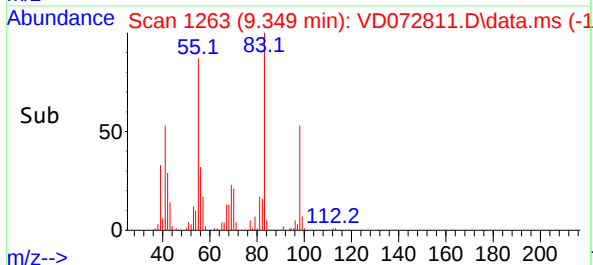
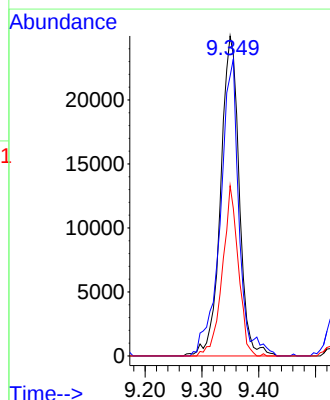
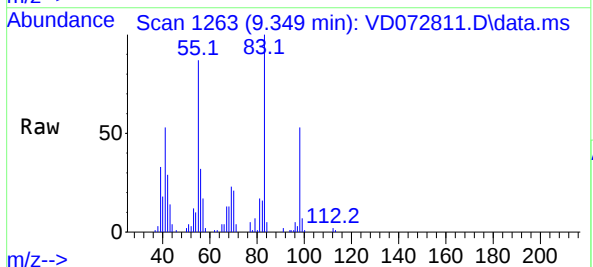
Instrument :
MSVOA_D
ClientSampleId :
04

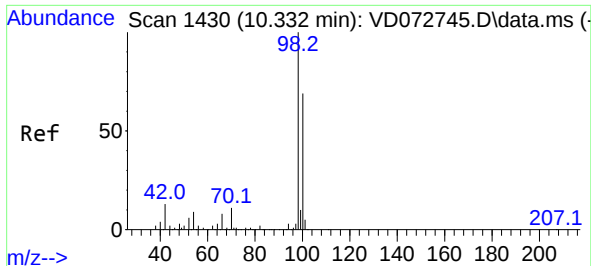
Tgt Ion:113 Resp: 216590
Ion Ratio Lower Upper
113 100
111 100.9 83.8 125.6
192 17.4 14.6 21.8



#39
Methylcyclohexane
Concen: 6.546 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. -0.001 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion: 83 Resp: 56717
Ion Ratio Lower Upper
83 100
55 87.5 63.2 94.8
98 53.2 38.2 57.4

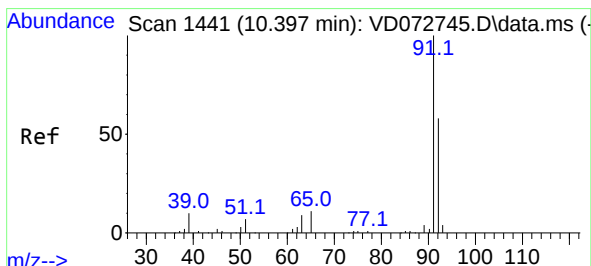
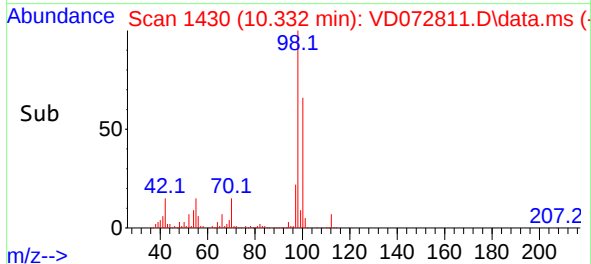
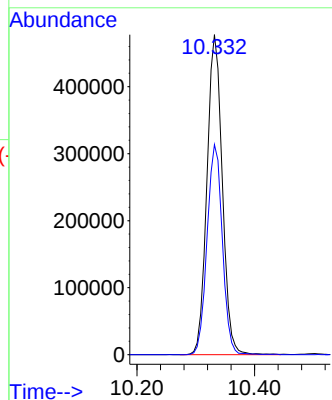
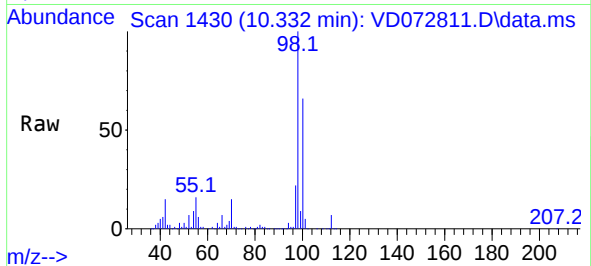




#50
Toluene-d8
Concen: 52.437 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

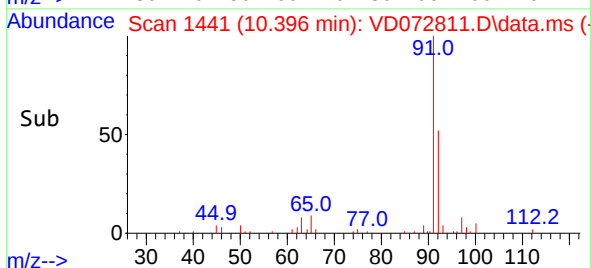
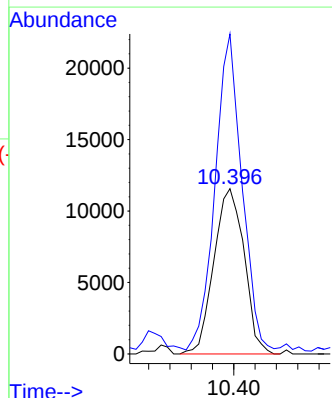
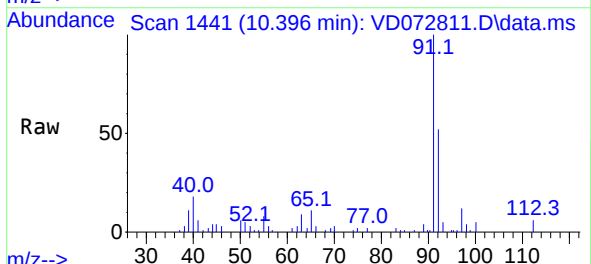
Instrument :
MSVOA_D
ClientSampleId :
04

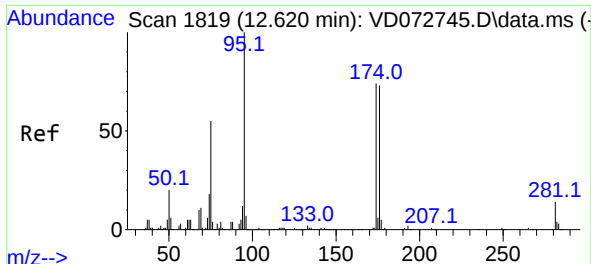
Tgt Ion: 98 Resp: 864153
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#52
Toluene
Concen: 1.697 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.001 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion: 92 Resp: 22830
Ion Ratio Lower Upper
92 100
91 169.5 139.6 209.4

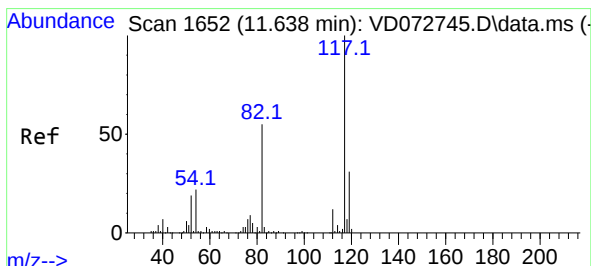
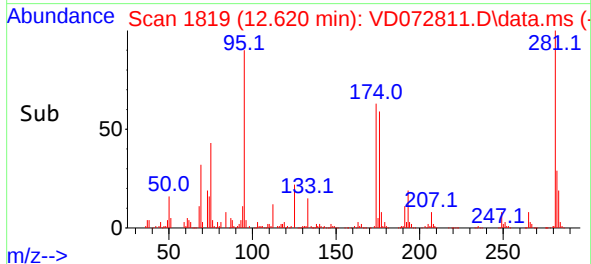
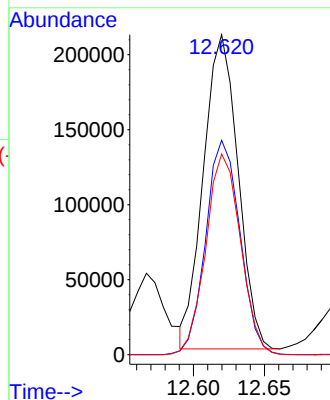
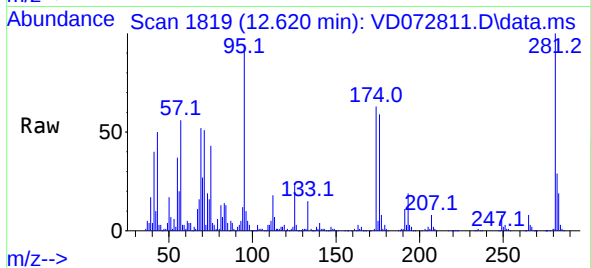




#62
4-Bromofluorobenzene
Concen: 57.804 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

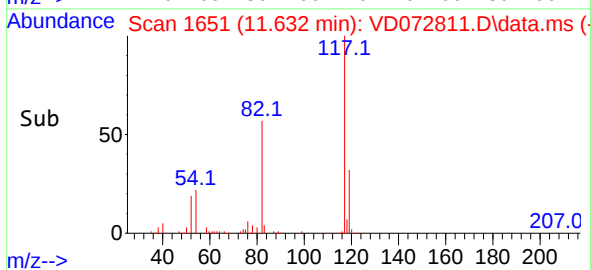
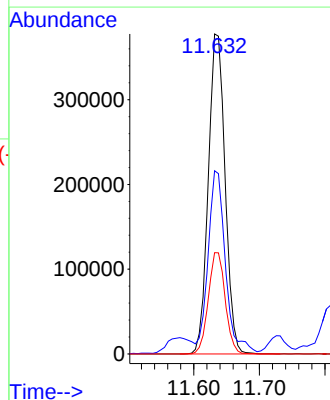
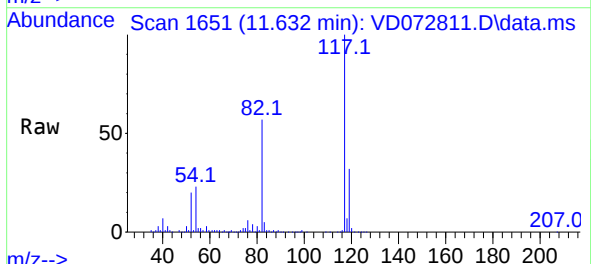
Instrument :
MSVOA_D
ClientSampleId :
04

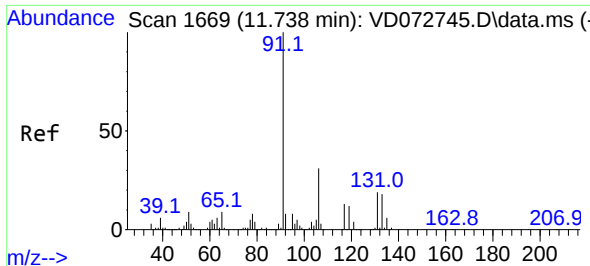
Tgt Ion: 95 Resp: 355197
Ion Ratio Lower Upper
95 100
174 67.5 0.0 152.8
176 63.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion: 117 Resp: 672493
Ion Ratio Lower Upper
117 100
82 52.1 45.3 67.9
119 31.6 26.6 40.0

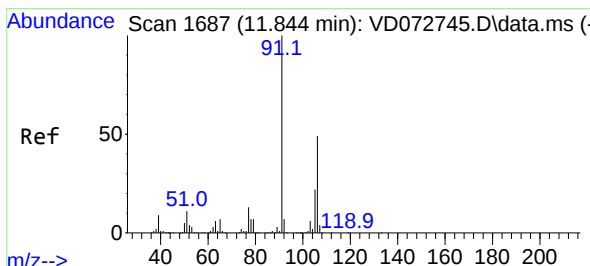
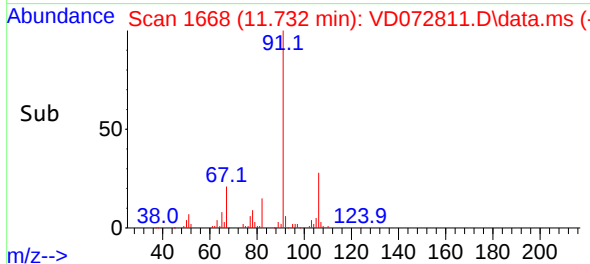
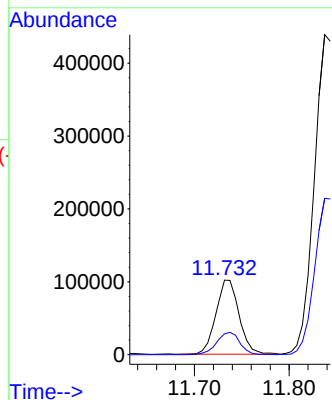
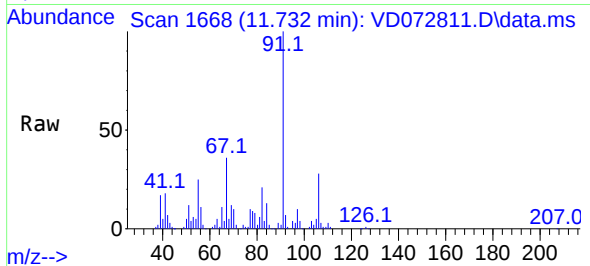




#67
Ethyl Benzene
Concen: 6.429 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

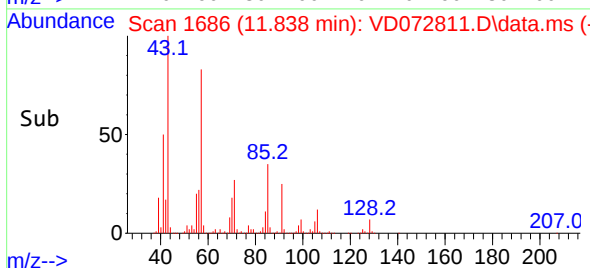
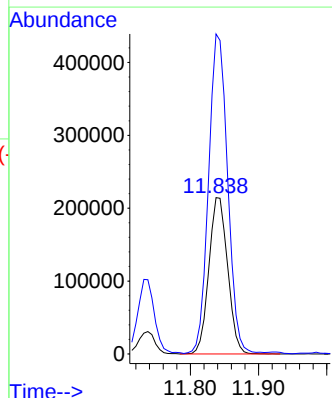
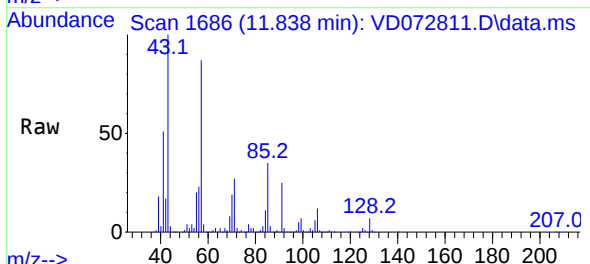
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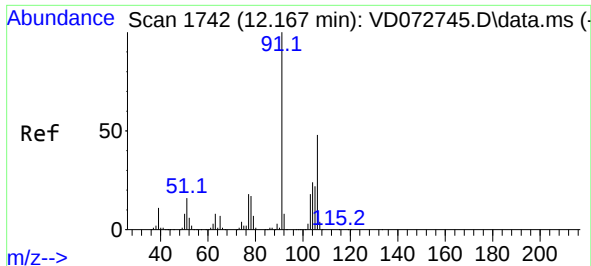
Tgt Ion: 91 Resp: 173073
Ion Ratio Lower Upper
91 100
106 28.1 24.2 36.4



#68
m/p-Xylenes
Concen: 39.612 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion: 106 Resp: 410740
Ion Ratio Lower Upper
106 100
91 207.2 163.7 245.5

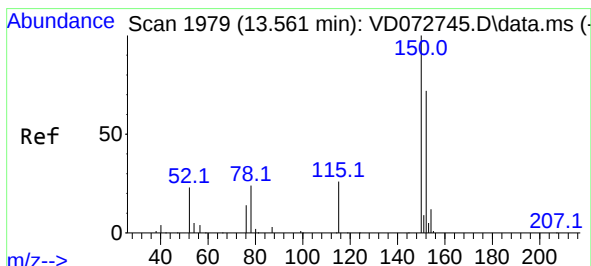
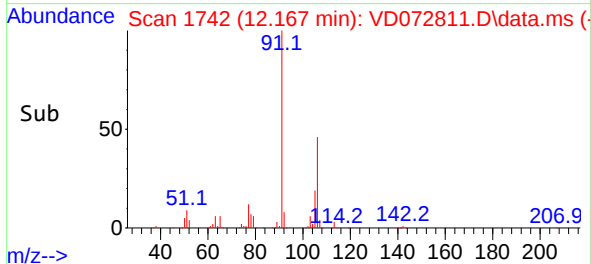
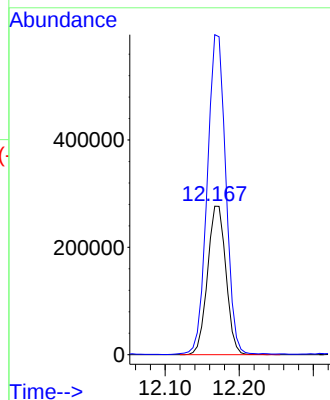
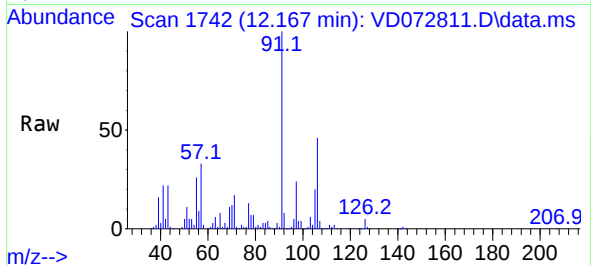




#69
o-Xylene
Concen: 49.229 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

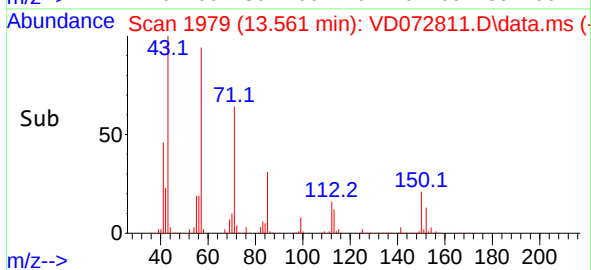
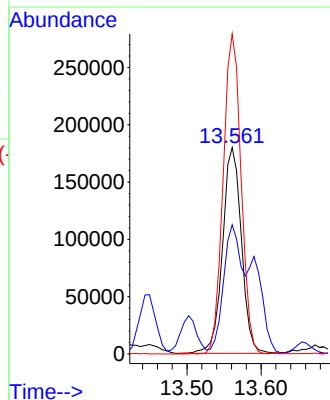
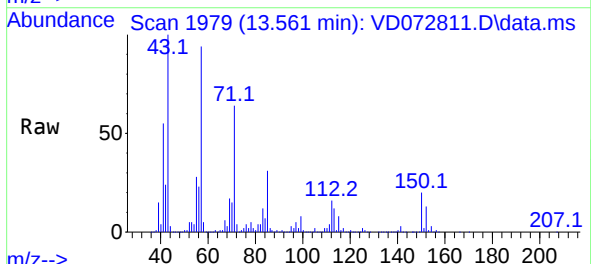
Instrument :
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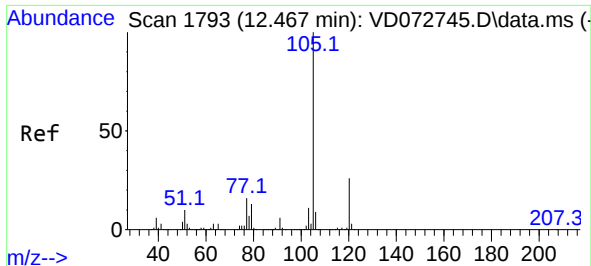
Tgt Ion:106 Resp: 476735
Ion Ratio Lower Upper
106 100
91 217.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion:152 Resp: 316523
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 148.3 0.0 348.6

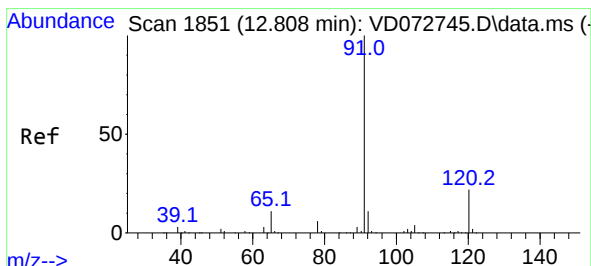
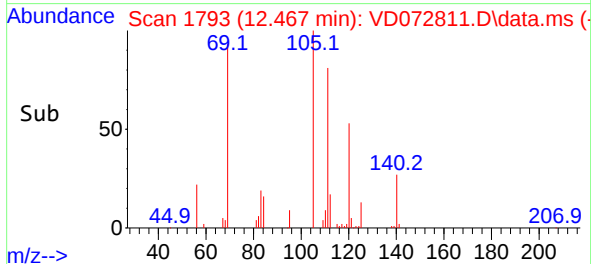
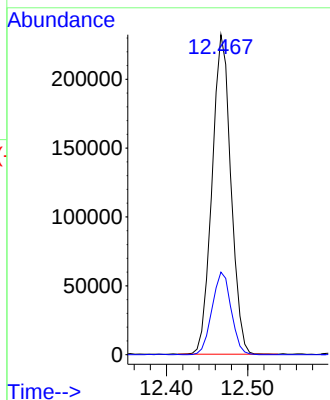
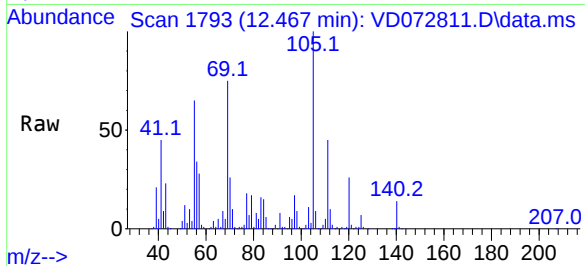




#73
Isopropylbenzene
Concen: 15.214 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

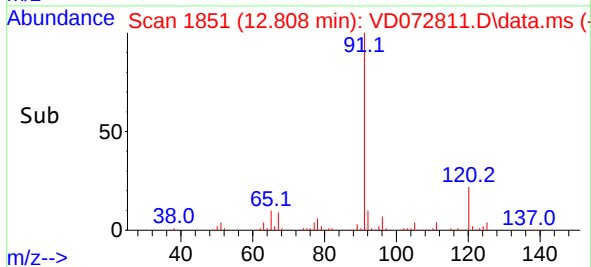
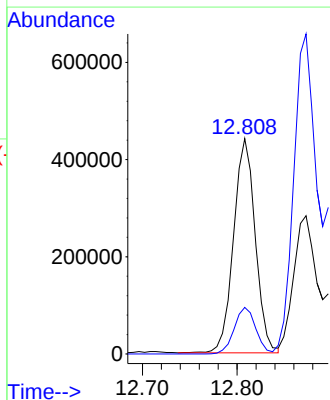
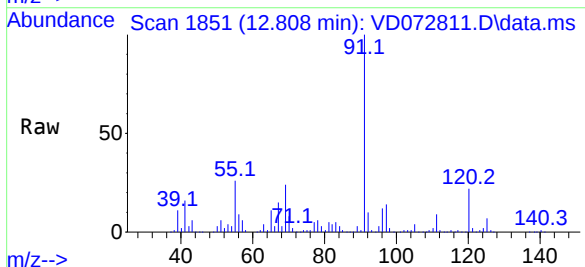
Instrument :
MSVOA_D
ClientSampleId :
04

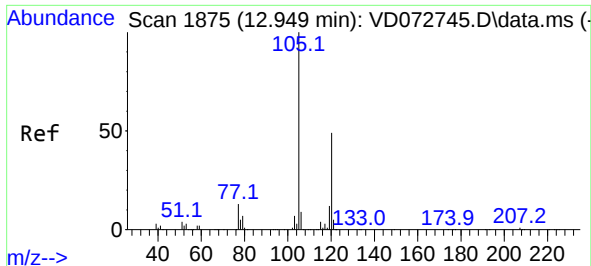
Tgt Ion:105 Resp: 374655
Ion Ratio Lower Upper
105 100
120 26.1 13.0 38.9



#78
n-propylbenzene
Concen: 22.570 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion: 91 Resp: 700505
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9

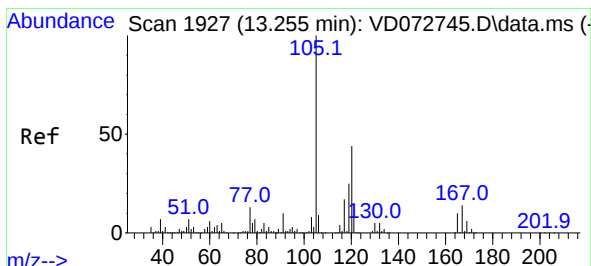
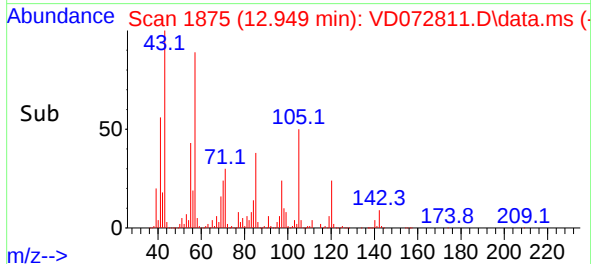
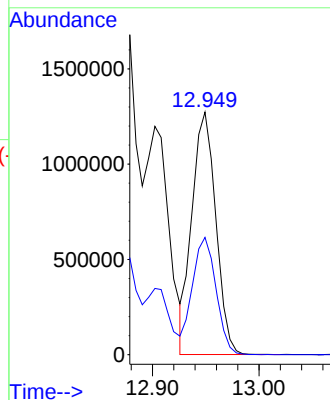
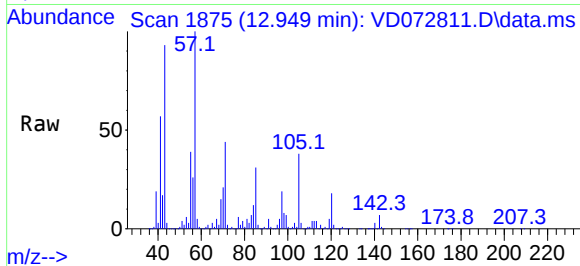




#80
1,3,5-Trimethylbenzene
Concen: 94.884 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

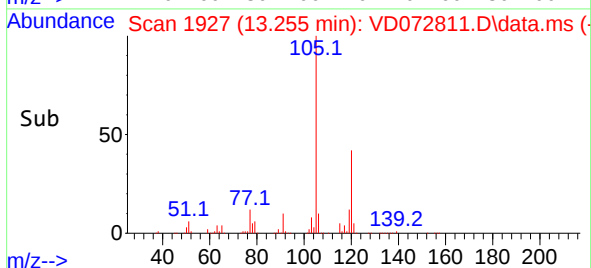
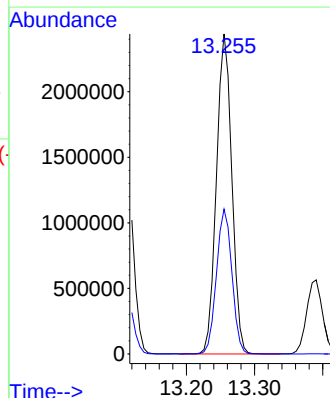
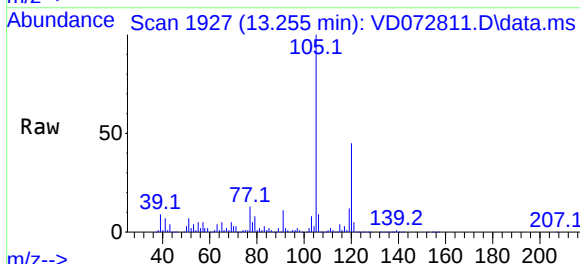
Instrument :
MSVOA_D
ClientSampleId :
04

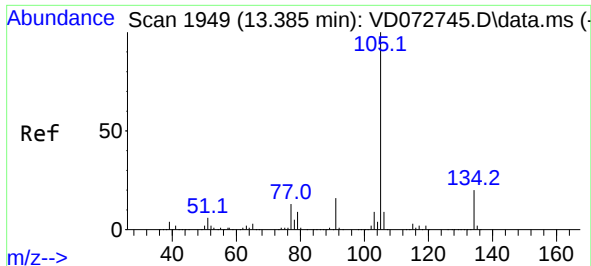
Tgt Ion:105 Resp: 1981318
Ion Ratio Lower Upper
105 100
120 48.3 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 183.370 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072811.D
Acq: 05 May 2022 15:44

Tgt Ion:105 Resp: 3827368
Ion Ratio Lower Upper
105 100
120 45.4 22.3 66.8

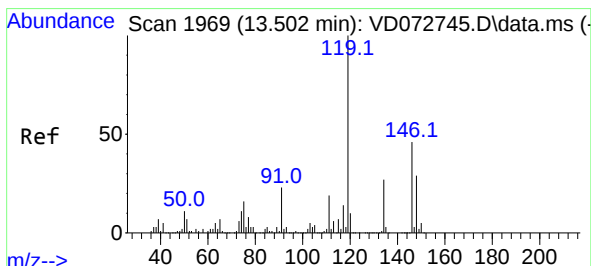
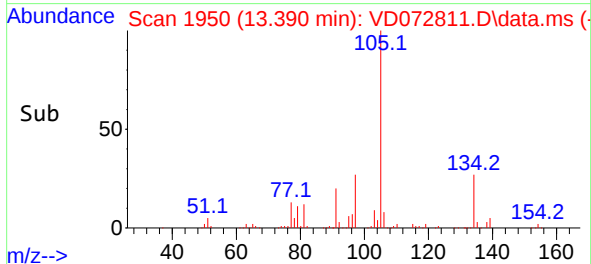
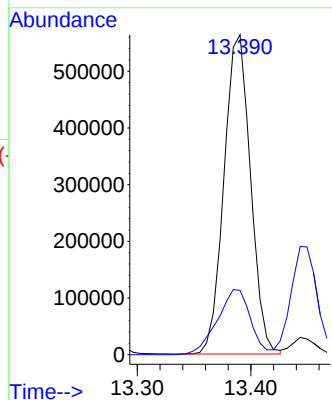
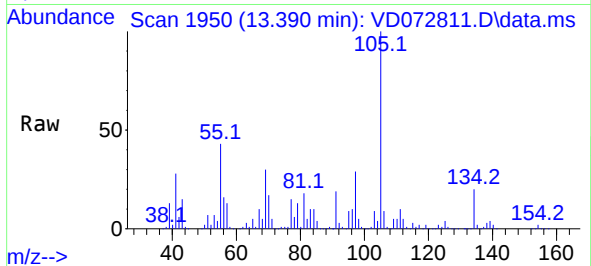




#85
 sec-Butylbenzene
 Concen: 34.136 ug/l
 RT: 13.390 min Scan# 1949
 Delta R.T. 0.005 min
 Lab File: VD072811.D
 Acq: 05 May 2022 15:44

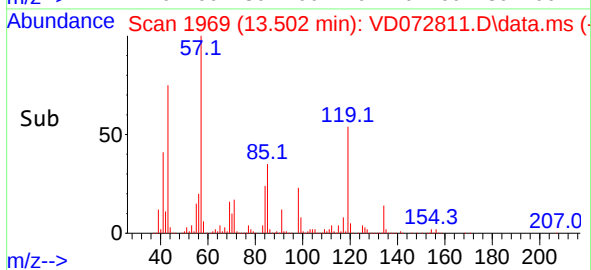
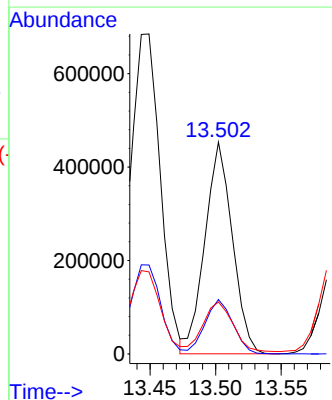
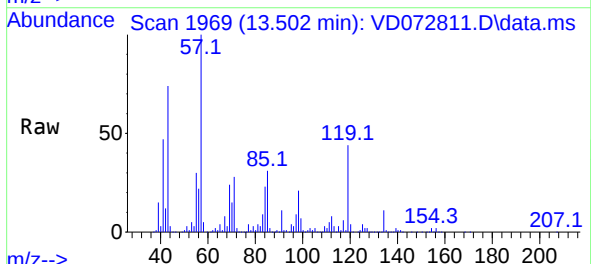
Instrument :
 MSVOA_D
 ClientSampleId :
 04

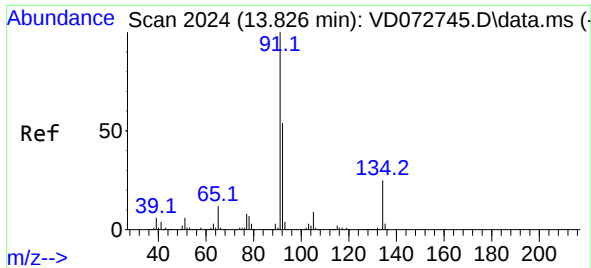
Tgt Ion:105 Resp: 914003
 Ion Ratio Lower Upper
 105 100
 134 25.3 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 30.066 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD072811.D
 Acq: 05 May 2022 15:44

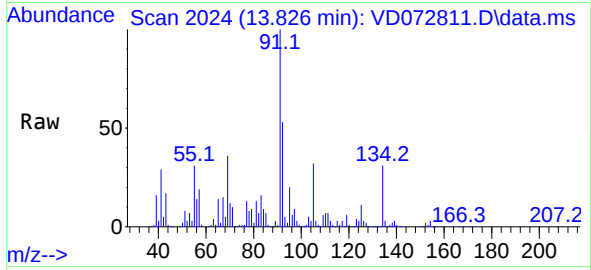
Tgt Ion:119 Resp: 660045
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.6
 91 25.3 12.1 36.3





#89
 n-Butylbenzene
 Concen: 36.669 ug/l
 RT: 13.826 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD072811.D
 Acq: 05 May 2022 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 04



Tgt Ion: 91 Resp: 779805

Ion	Ratio	Lower	Upper
91	100		
92	61.5	26.6	79.8
134	0.0	12.3	36.9

