

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031722\
 Data File : VD072269.D
 Acq On : 18 Mar 2022 04:21
 Operator : VA/SY
 Sample : N1966-15
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-1-1-2

Quant Time: Mar 18 05:40:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	354846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	603816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	650597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	319585	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	176730	44.690	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	89.380%
35) Dibromofluoromethane	7.909	113	184351	43.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.780%
50) Toluene-d8	10.332	98	760711	48.962	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.920%
62) 4-Bromofluorobenzene	12.620	95	322609	53.439	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.880%

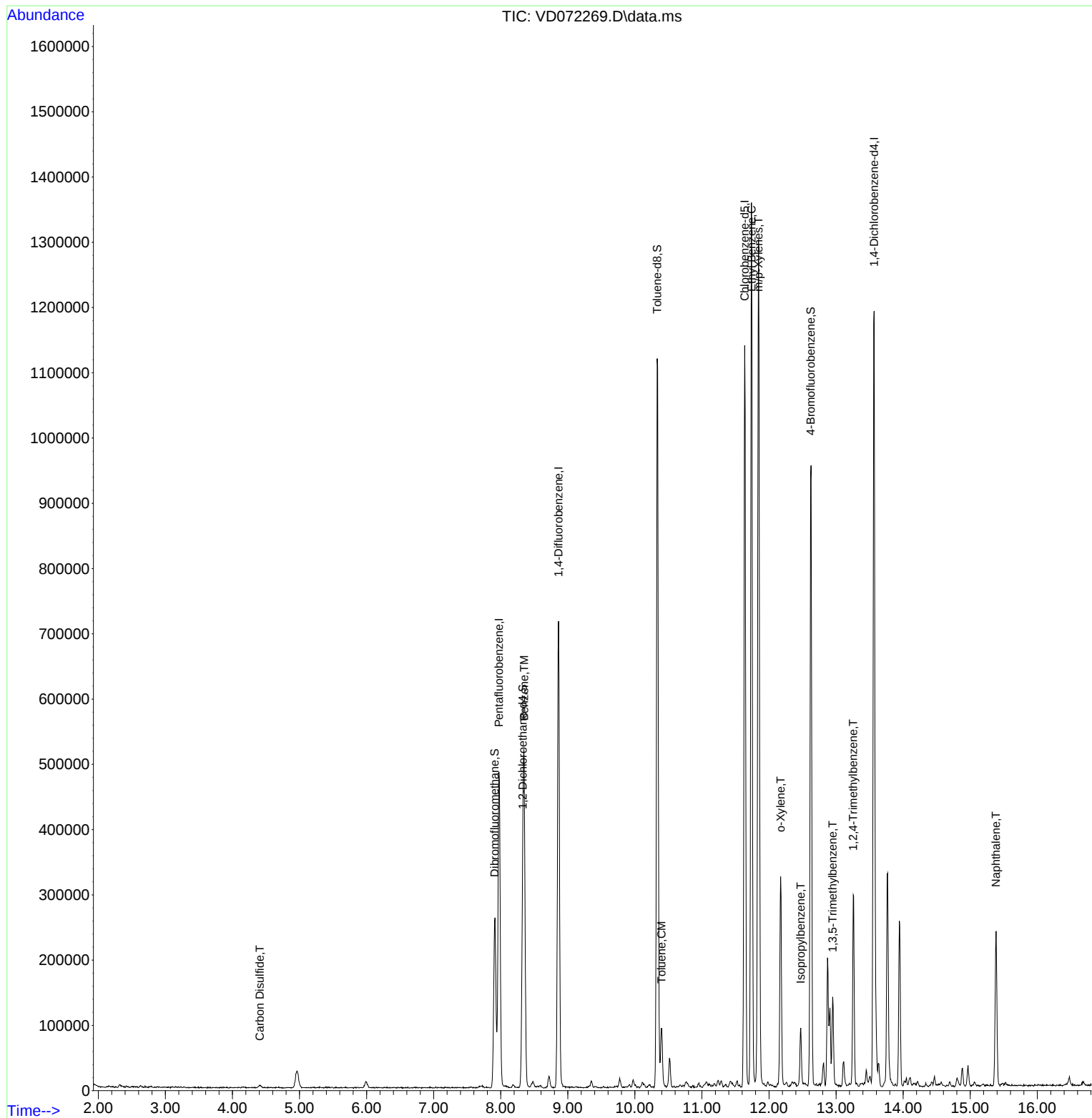
Target Compounds					Qvalue	
17) Carbon Disulfide	4.409	76	7743	2.488	ug/l	# 93
40) Benzene	8.350	78	429668	25.266	ug/l	97
52) Toluene	10.397	92	36610	3.272	ug/l	94
67) Ethyl Benzene	11.738	91	953284	37.005	ug/l	100
68) m/p-Xylenes	11.844	106	392672	40.143	ug/l	100
69) o-Xylene	12.173	106	83907	8.968	ug/l	98
73) Isopropylbenzene	12.473	105	52339	2.067	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	68980	3.170	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	160658	7.494	ug/l	97
95) Naphthalene	15.385	128	205417	17.281	ug/l	100

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

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Quant Title : SW846 8260
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Response via : Initial Calibration

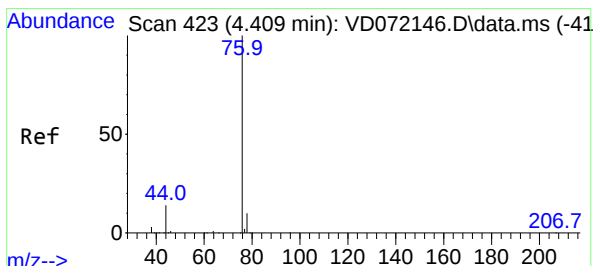
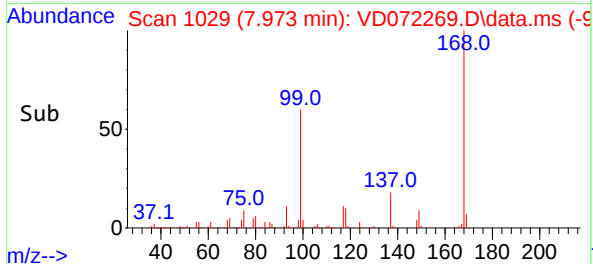
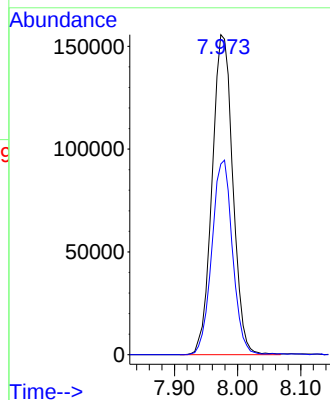
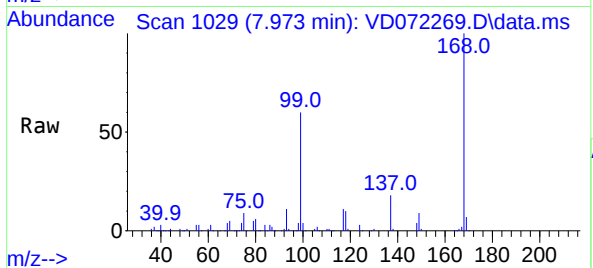




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

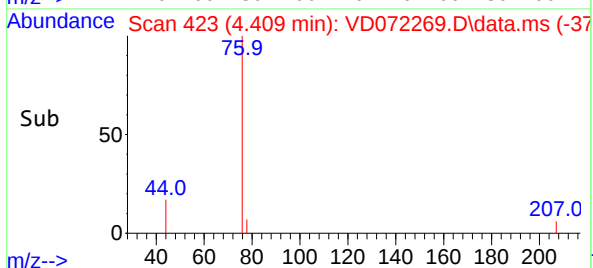
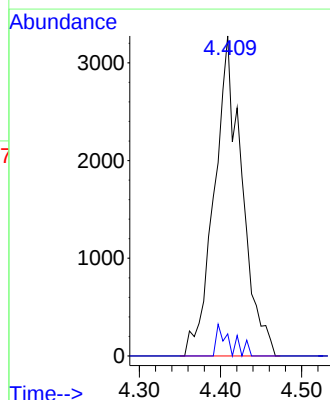
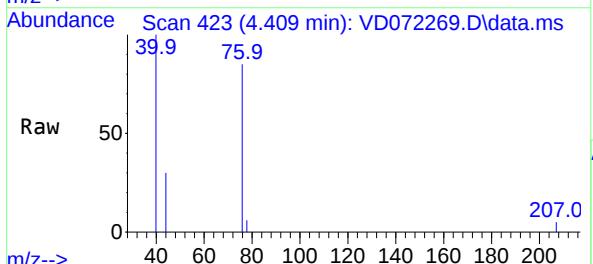
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MSVOA_D
ClientSampleId :
G-2-1-1-2

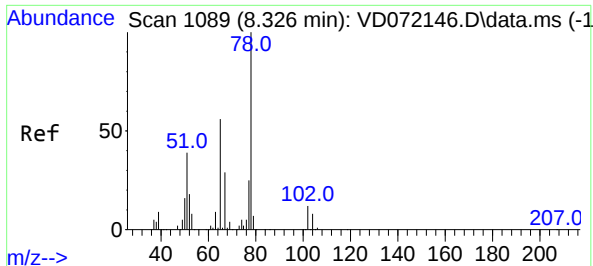
Tgt Ion:168 Resp: 354846
Ion Ratio Lower Upper
168 100
99 59.6 49.8 74.6



#17
Carbon Disulfide
Concen: 2.488 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion: 76 Resp: 7743
Ion Ratio Lower Upper
76 100
78 6.9 7.5 11.3#





#33

1,2-Dichloroethane-d4

Concen: 44.690 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD072269.D

Acq: 18 Mar 2022 04:21

Instrument :

MSVOA_D

ClientSampleId :

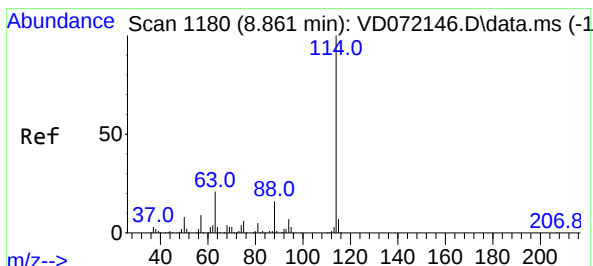
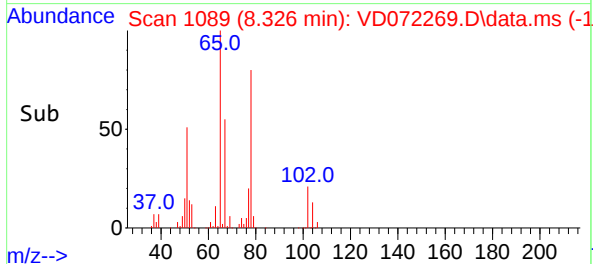
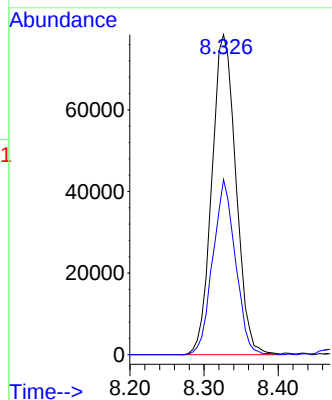
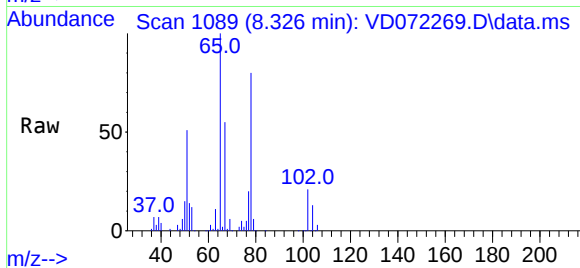
G-2-1-1-2

Tgt Ion: 65 Resp: 176730

Ion Ratio Lower Upper

65 100

67 51.4 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: VD072269.D

Acq: 18 Mar 2022 04:21

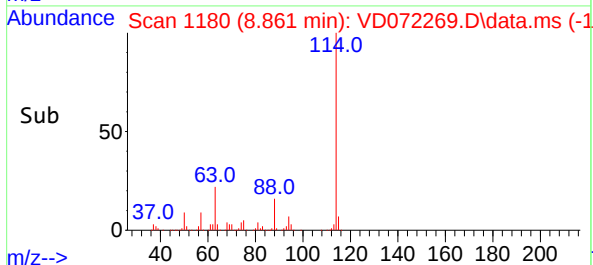
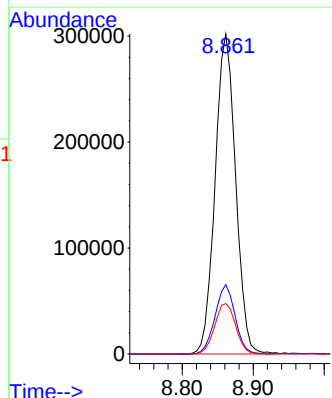
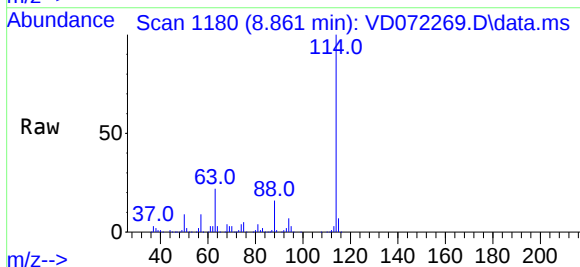
Tgt Ion: 114 Resp: 603816

Ion Ratio Lower Upper

114 100

63 21.6 0.0 46.6

88 15.8 0.0 33.2

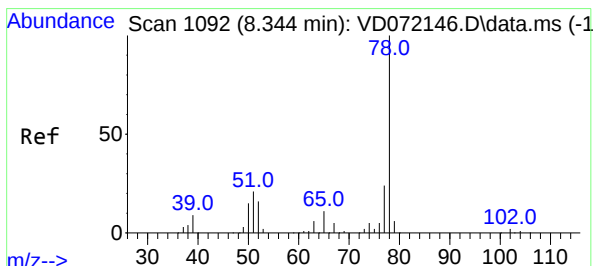
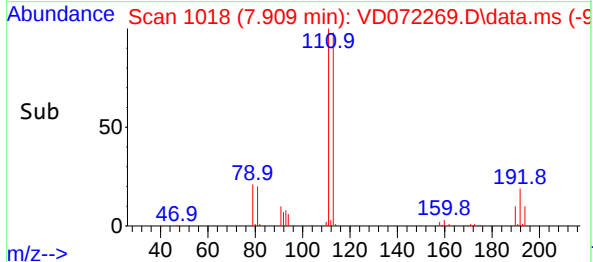
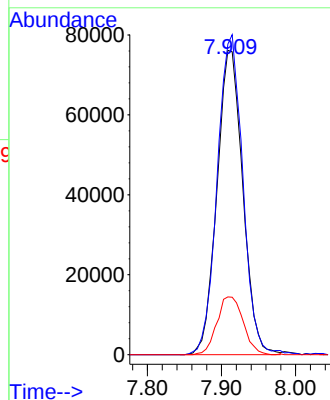
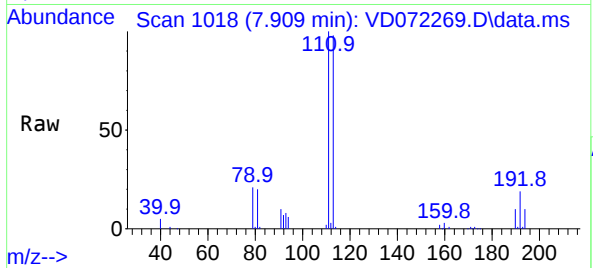




#35
Dibromofluoromethane
Concen: 43.386 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

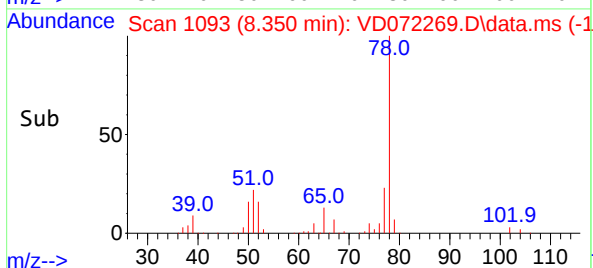
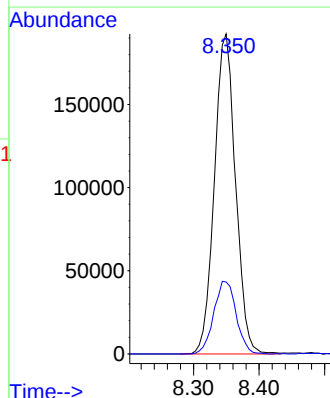
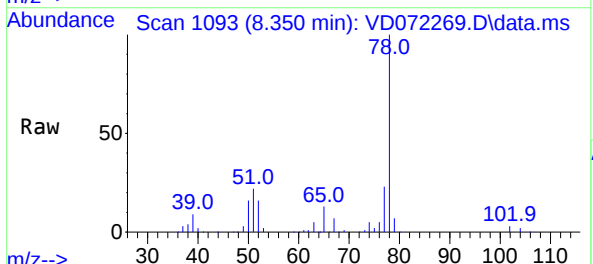
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

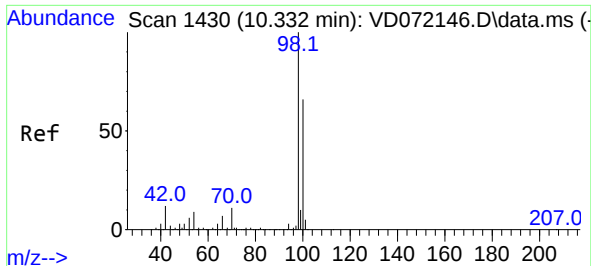
Tgt Ion:113 Resp: 184351
Ion Ratio Lower Upper
113 100
111 104.1 83.8 125.6
192 19.3 14.6 21.8



#40
Benzene
Concen: 25.266 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion: 78 Resp: 429668
Ion Ratio Lower Upper
78 100
77 22.5 19.1 28.7

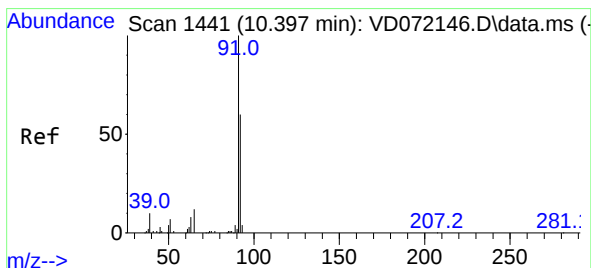
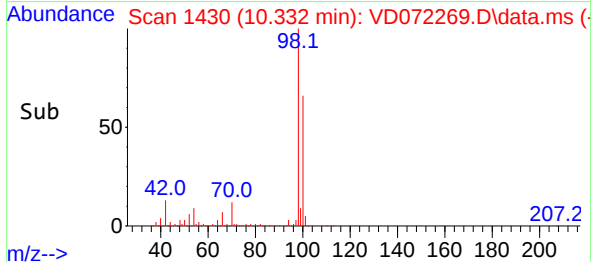
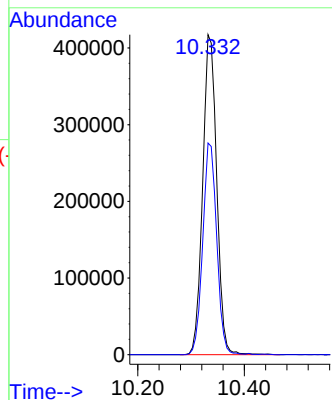
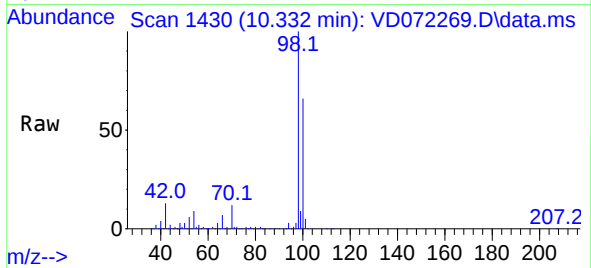




#50
Toluene-d8
Concen: 48.962 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

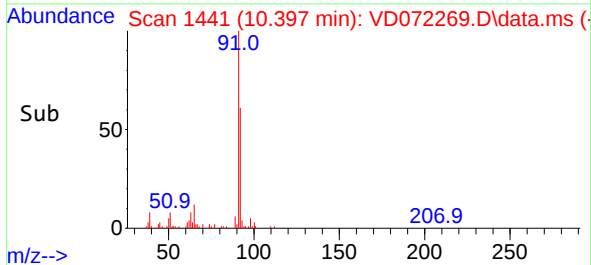
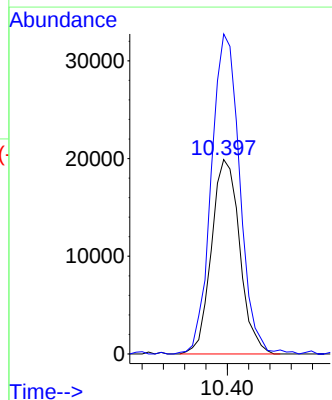
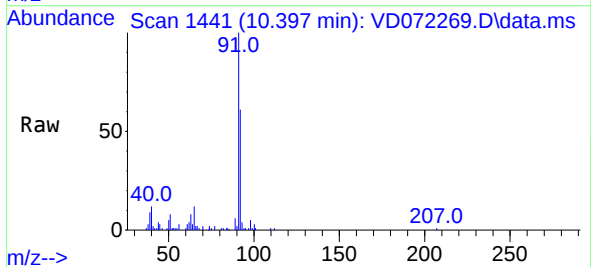
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

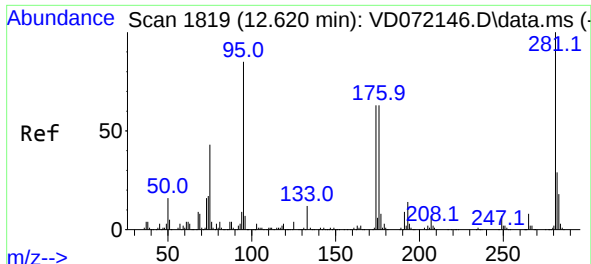
Tgt Ion: 98 Resp: 760711
Ion Ratio Lower Upper
98 100
100 65.9 52.4 78.6



#52
Toluene
Concen: 3.272 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion: 92 Resp: 36610
Ion Ratio Lower Upper
92 100
91 166.1 139.6 209.4

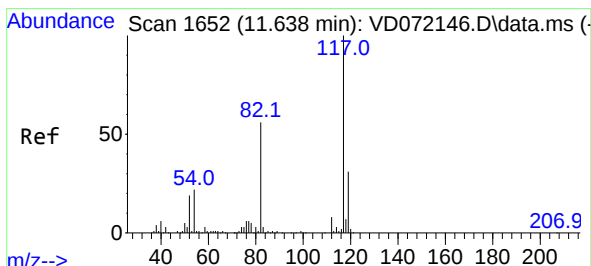
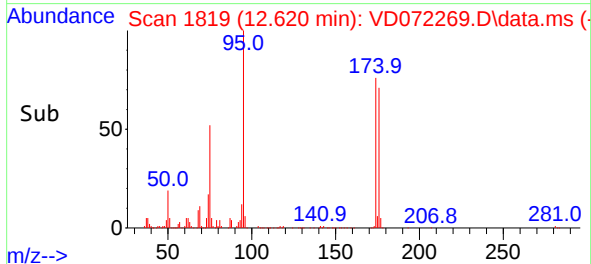
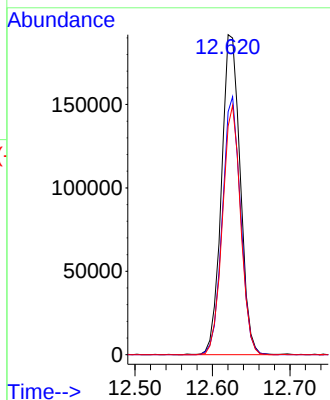
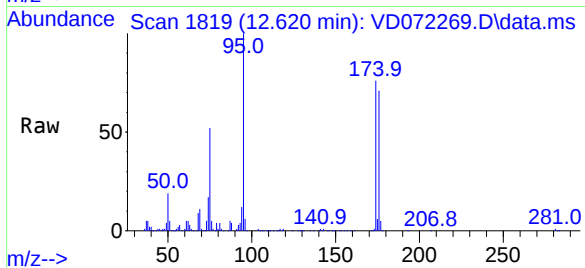




#62
4-Bromofluorobenzene
Concen: 53.439 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

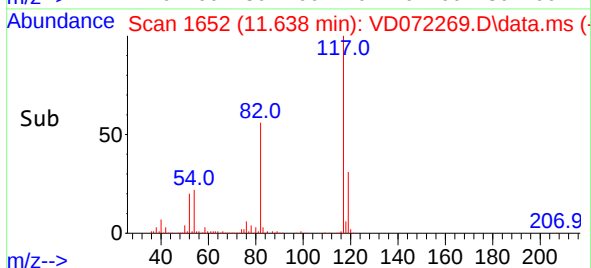
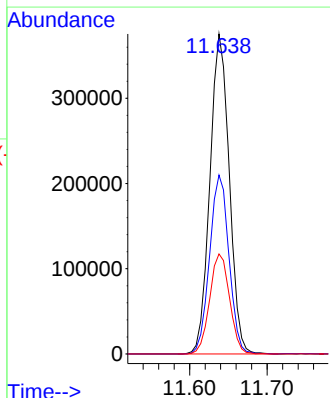
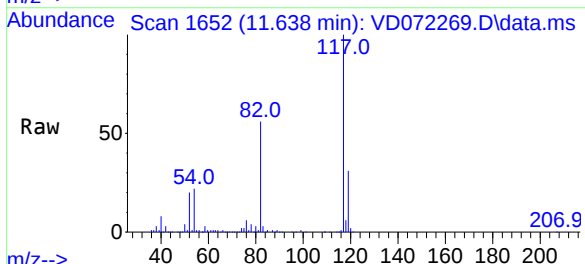
Instrument :
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ClientSampleId :
G-2-1-1-2

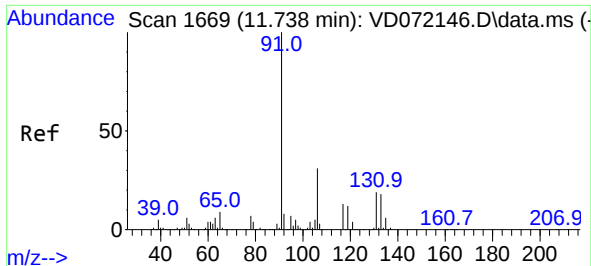
Tgt Ion: 95 Resp: 322609
Ion Ratio Lower Upper
95 100
174 78.3 0.0 152.8
176 75.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion: 117 Resp: 650597
Ion Ratio Lower Upper
117 100
82 55.9 45.3 67.9
119 31.3 26.6 40.0

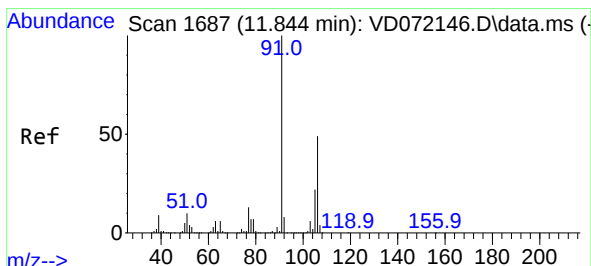
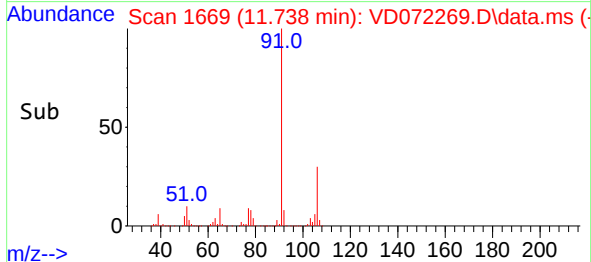
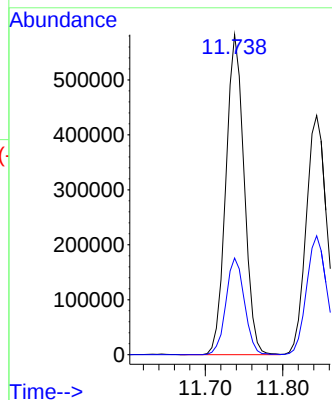
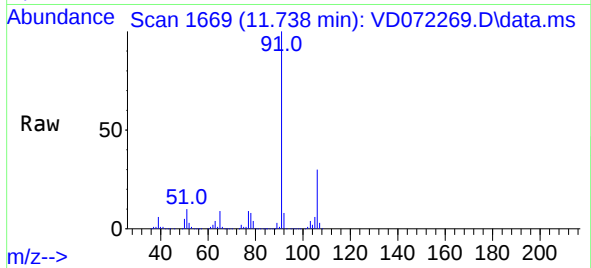




#67
Ethyl Benzene
Concen: 37.005 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

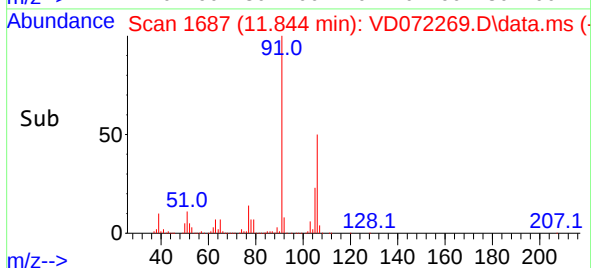
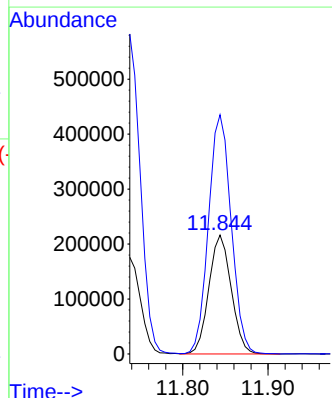
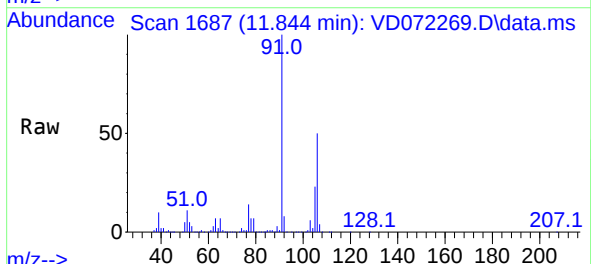
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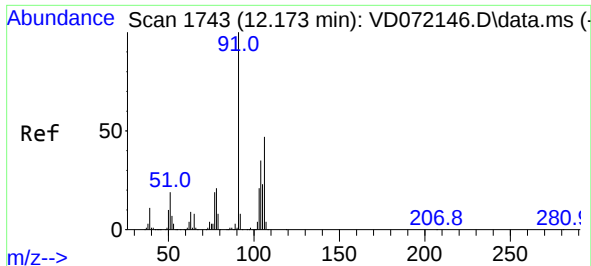
Tgt Ion: 91 Resp: 953284
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.4



#68
m/p-Xylenes
Concen: 40.143 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion: 106 Resp: 392672
Ion Ratio Lower Upper
106 100
91 205.2 163.7 245.5

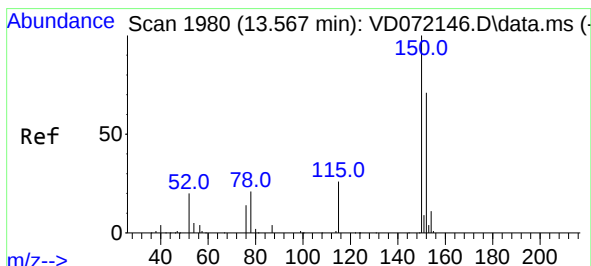
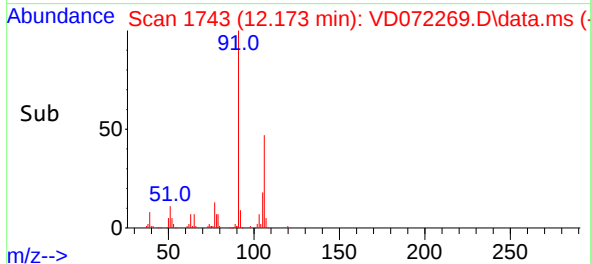
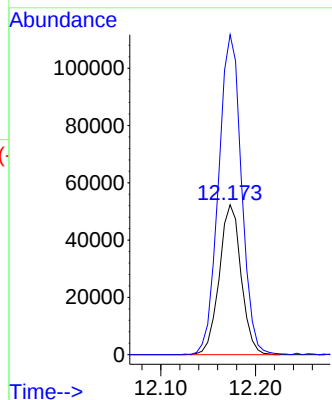
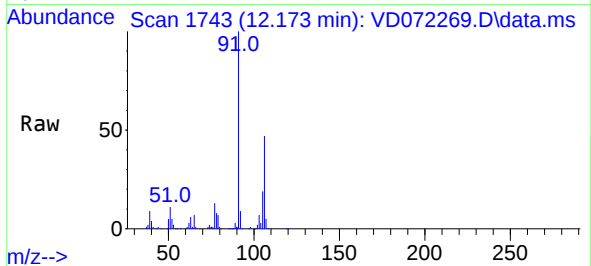




#69
o-Xylene
Concen: 8.968 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

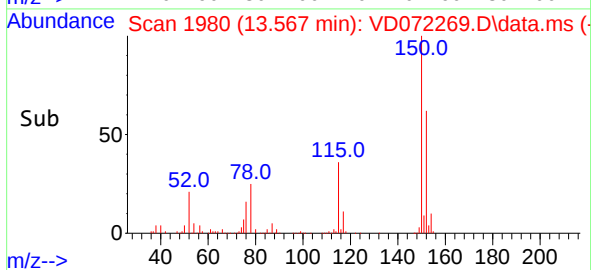
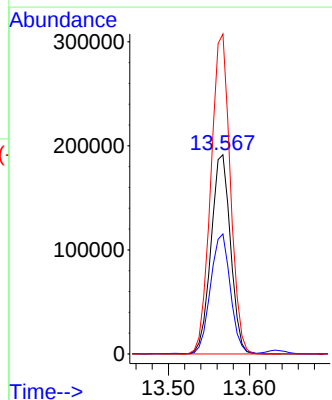
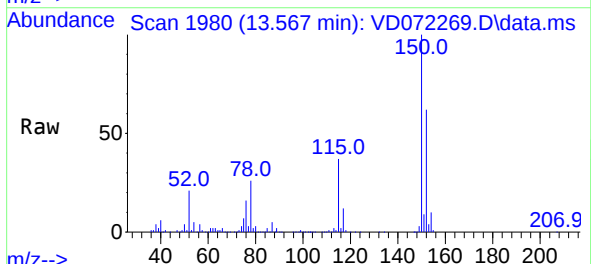
Instrument :
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G-2-1-1-2

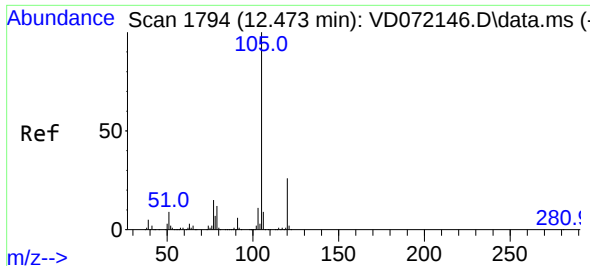
Tgt Ion:106 Resp: 83907
Ion Ratio Lower Upper
106 100
91 224.6 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion:152 Resp: 319585
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 160.0 0.0 348.6

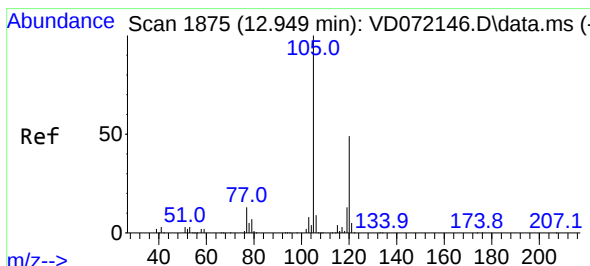
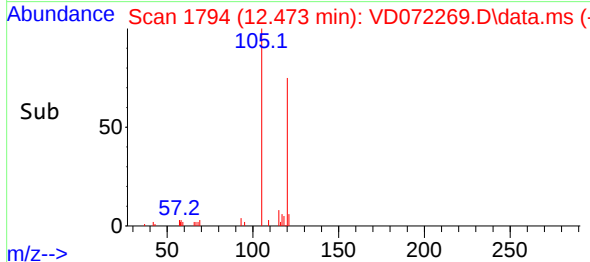
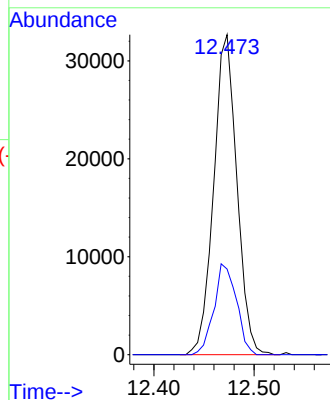
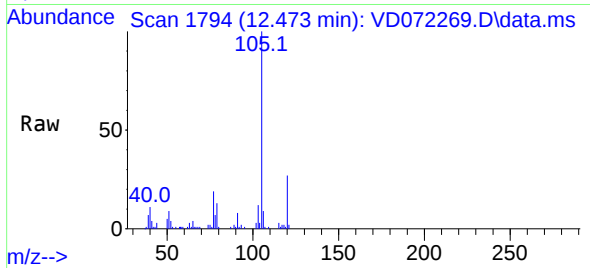




#73
Isopropylbenzene
Concen: 2.067 ug/l
RT: 12.473 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

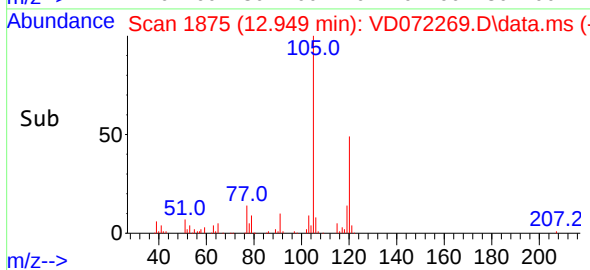
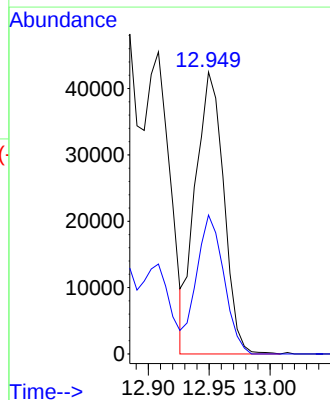
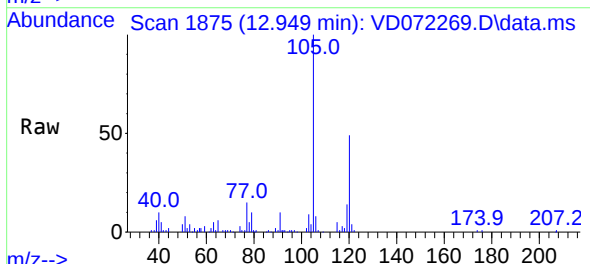
Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

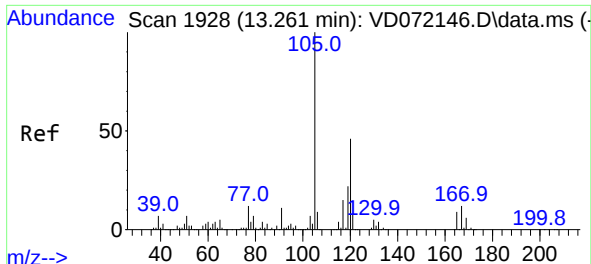
Tgt Ion:105 Resp: 52339
Ion Ratio Lower Upper
105 100
120 27.5 13.0 38.9



#80
1,3,5-Trimethylbenzene
Concen: 3.170 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion:105 Resp: 68980
Ion Ratio Lower Upper
105 100
120 47.6 24.3 72.8

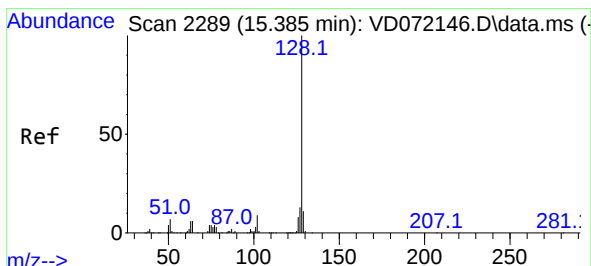
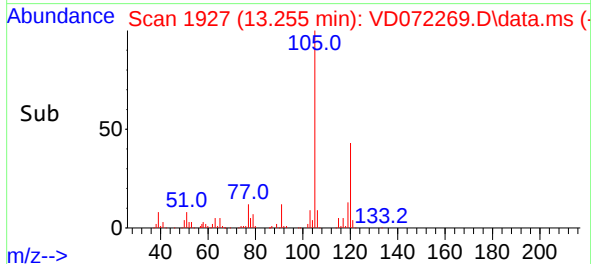
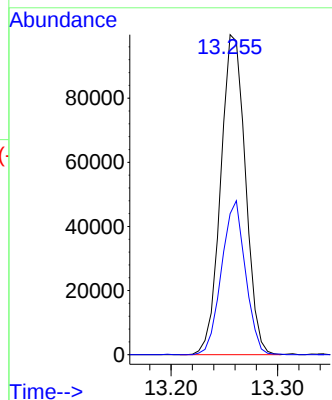
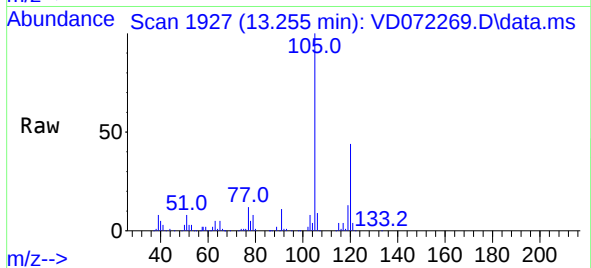




#84
1,2,4-Trimethylbenzene
Concen: 7.494 ug/l
RT: 13.255 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Instrument :
MSVOA_D
ClientSampleId :
G-2-1-1-2

Tgt Ion:105 Resp: 160658
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.8



#95
Naphthalene
Concen: 17.281 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD072269.D
Acq: 18 Mar 2022 04:21

Tgt Ion:128 Resp: 205417
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 10.7 8.4 12.6

