

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073289.D
 Acq On : 23 May 2022 18:12
 Operator : VA/SY
 Sample : N2965-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 16972

Quant Time: May 24 03:28:16 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)

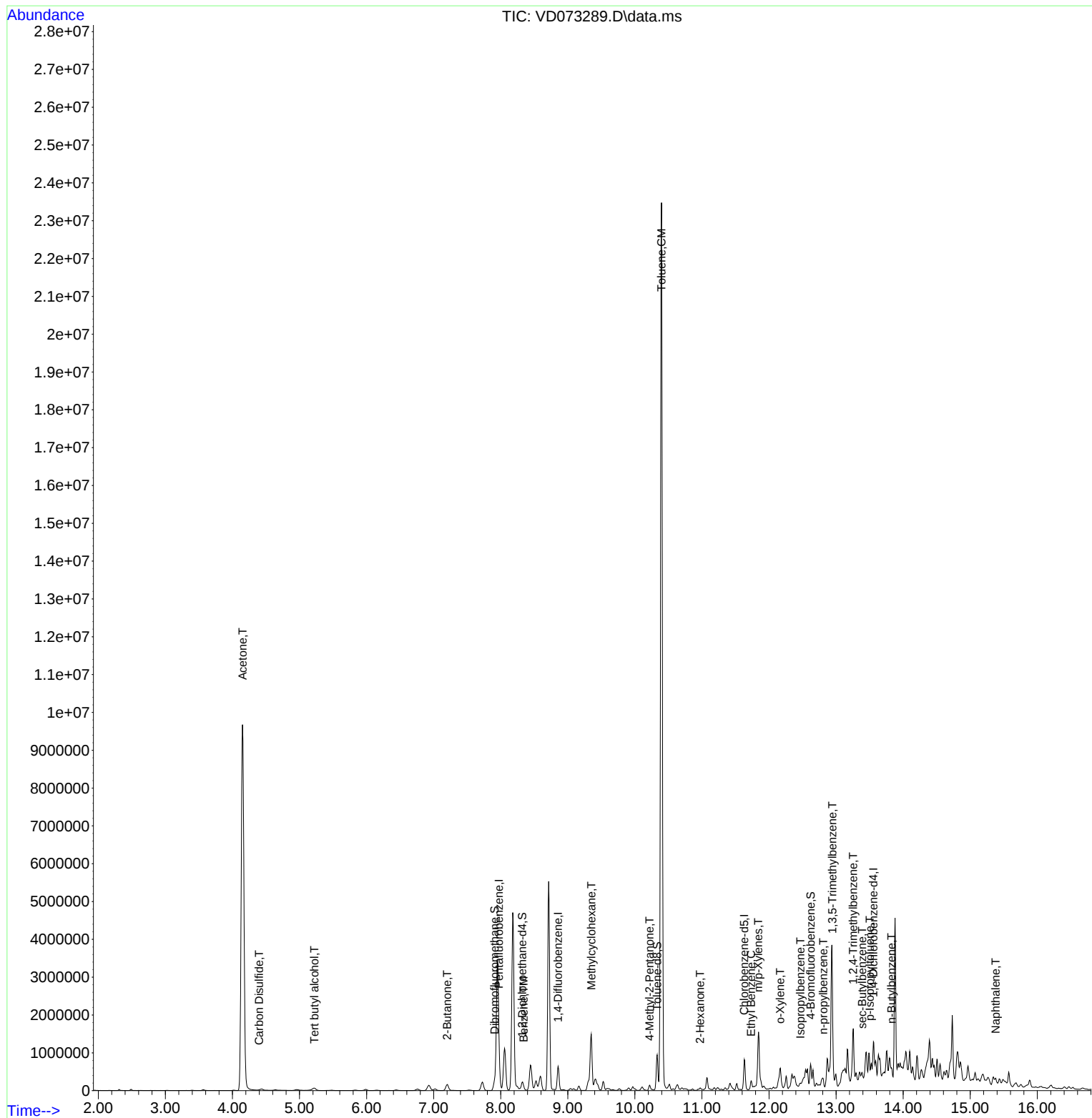
Internal Standards						
1) Pentafluorobenzene	7.973	168	310331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	531037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	462322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	113734	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	158697	46.273	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.540%
35) Dibromofluoromethane	7.909	113	168844	48.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.360%
50) Toluene-d8	10.332	98	604705	46.814	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.620%
62) 4-Bromofluorobenzene	12.620	95	184516	40.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.221	59	120944	227.295	ug/l	100
16) Acetone	4.150	43	17078947	28750.435	ug/l #	86
17) Carbon Disulfide	4.397	76	11587	1.121	ug/l	96
25) 2-Butanone	7.203	43	199289	229.304	ug/l	95
39) Methylcyclohexane	9.350	83	594222	101.173	ug/l	96
40) Benzene	8.344	78	29915	1.970	ug/l	97
51) 4-Methyl-2-Pentanone	10.220	43	88738	44.404	ug/l	92
52) Toluene	10.397	92	11064577	1152.800	ug/l	85
59) 2-Hexanone	10.973	43	45394	34.454	ug/l	93
67) Ethyl Benzene	11.732	91	145933	8.765	ug/l	99
68) m/p-Xylenes	11.838	106	247687	38.291	ug/l	97
69) o-Xylene	12.167	106	121977	20.527	ug/l	97
73) Isopropylbenzene	12.467	105	38169	4.708	ug/l	98
78) n-propylbenzene	12.808	91	160634	15.781	ug/l	98
80) 1,3,5-Trimethylbenzene	12.944	105	225158	32.782	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	811326	119.573	ug/l	99
85) sec-Butylbenzene	13.391	105	87523	9.902	ug/l	83
86) p-Isopropyltoluene	13.502	119	55013	7.635	ug/l	99
89) n-Butylbenzene	13.826	91	201306	29.324	ug/l #	72
95) Naphthalene	15.379	128	127213	35.300	ug/l	96

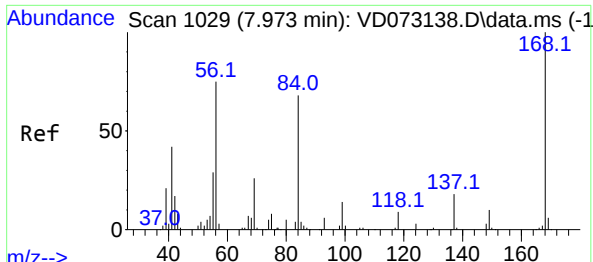
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 19 15:13:42 2022
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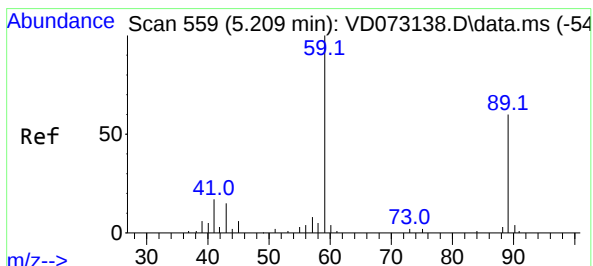
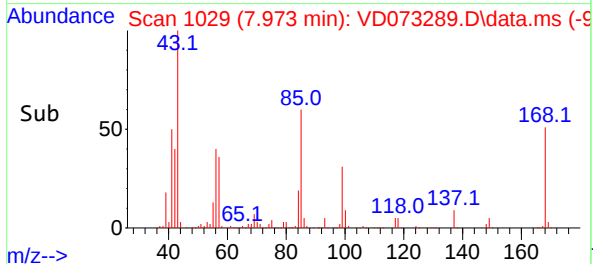
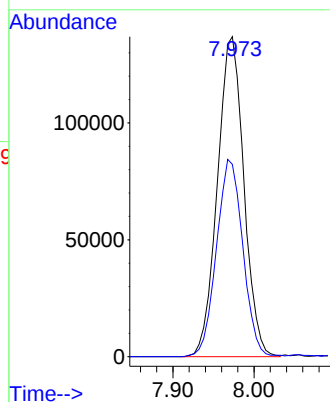
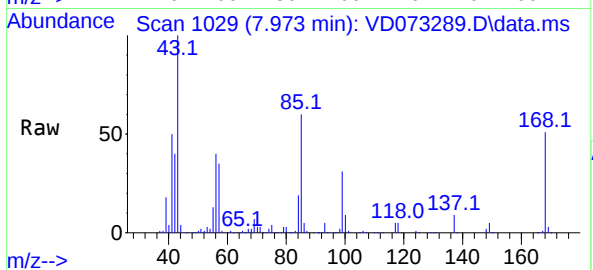




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

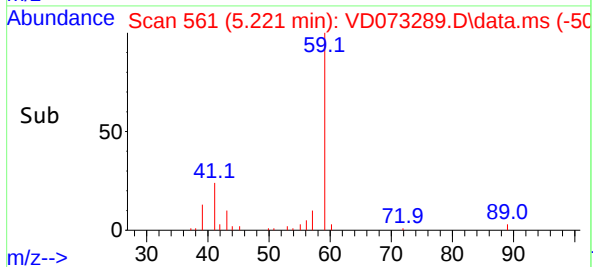
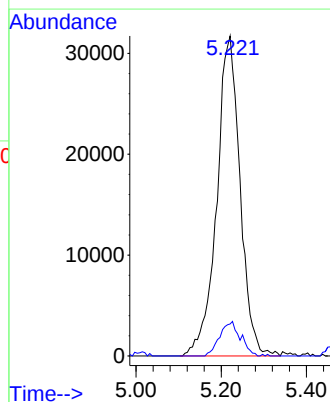
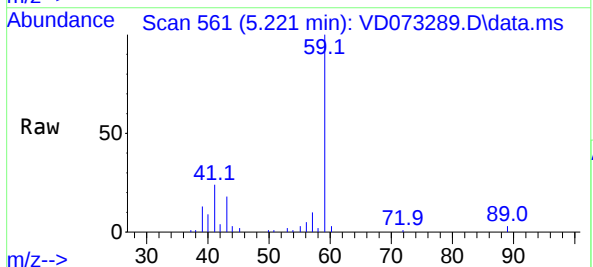
Instrument :
MSVOA_D
ClientSampleId :
16972

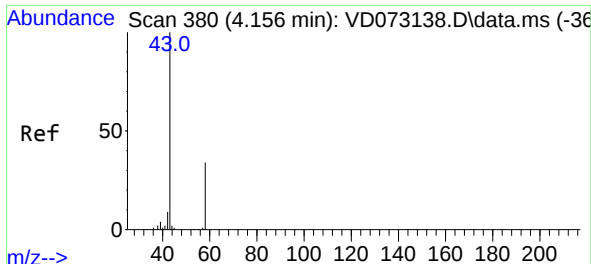
Tgt Ion:168 Resp: 310331
Ion Ratio Lower Upper
168 100
99 60.1 49.8 74.6



#11
Tert butyl alcohol
Concen: 227.295 ug/l
RT: 5.221 min Scan# 561
Delta R.T. 0.012 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 59 Resp: 120944
Ion Ratio Lower Upper
59 100
57 9.6 7.8 11.6

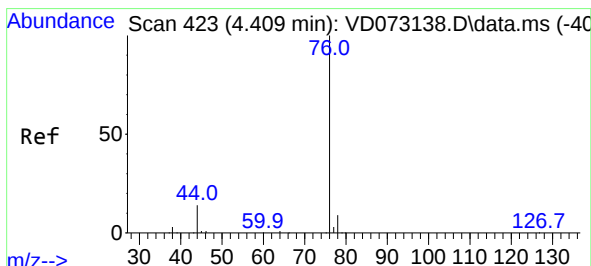
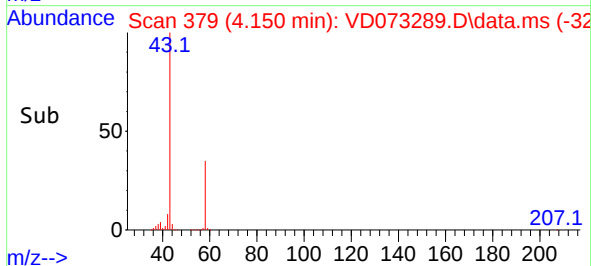
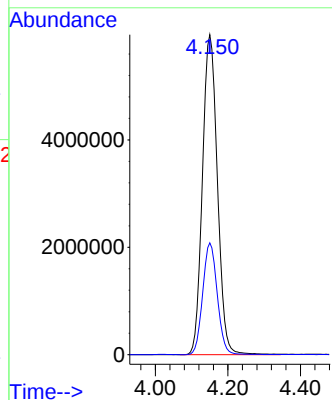
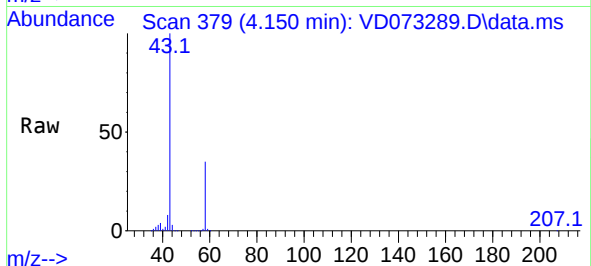




#16
Acetone
Concen: 28750.435 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

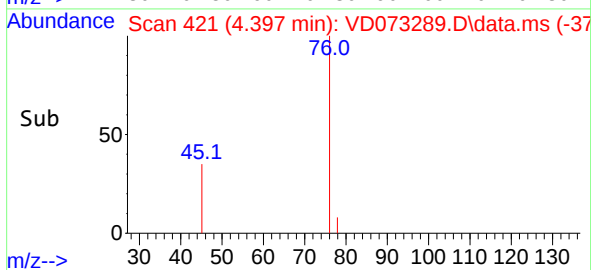
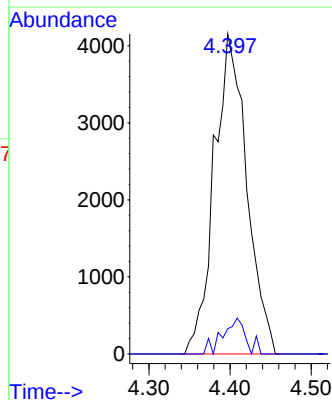
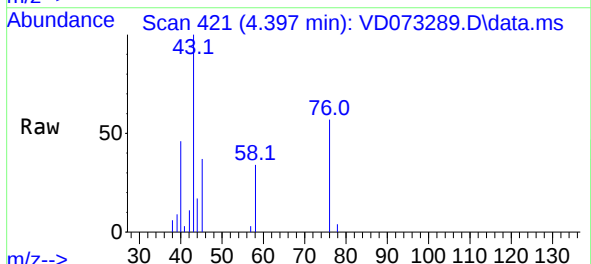
Instrument :
MSVOA_D
ClientSampleId :
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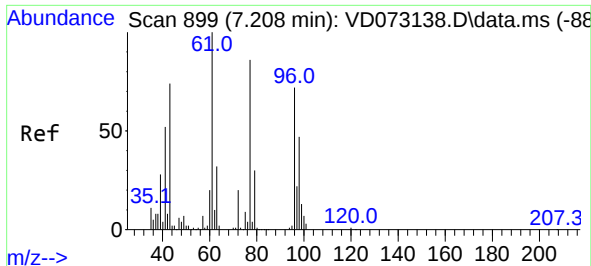
Tgt Ion: 43 Resp:17078947
Ion Ratio Lower Upper
43 100
58 35.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.121 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.012 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 76 Resp: 11587
Ion Ratio Lower Upper
76 100
78 7.9 7.5 11.3

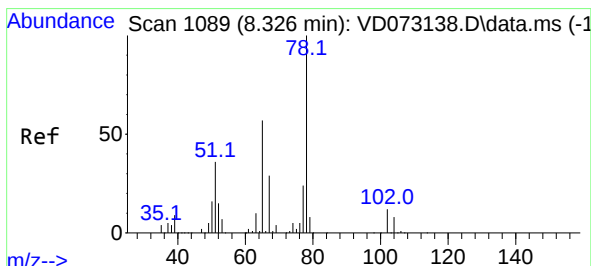
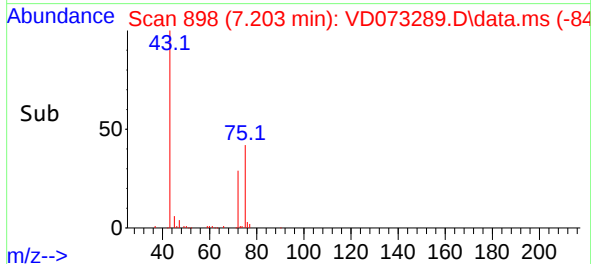
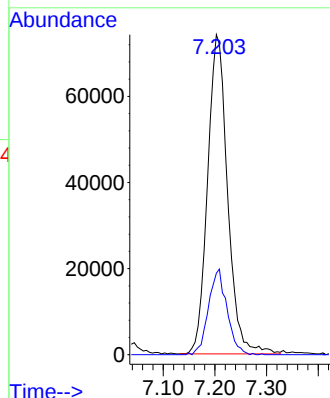
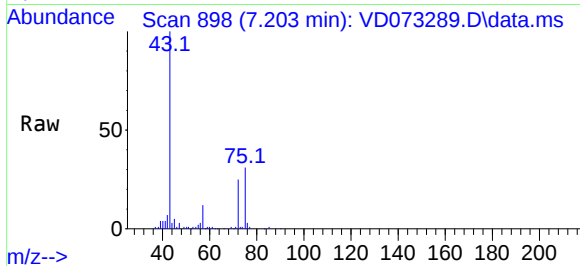




#25
2-Butanone
Concen: 229.304 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

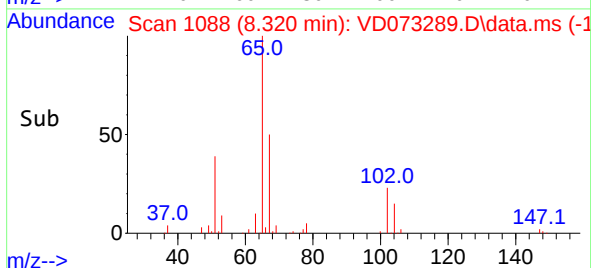
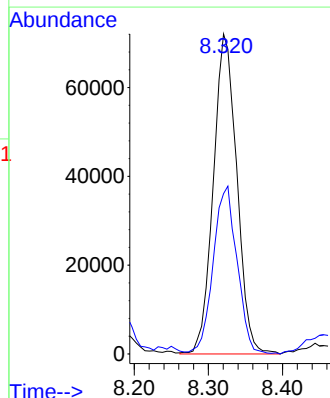
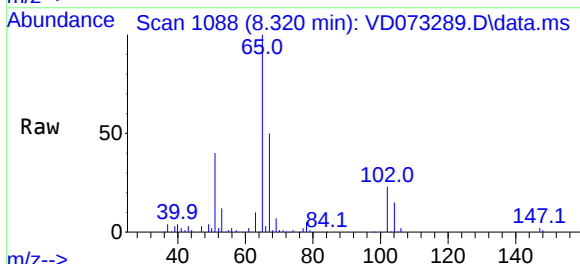
Instrument :
MSVOA_D
ClientSampleId :
16972

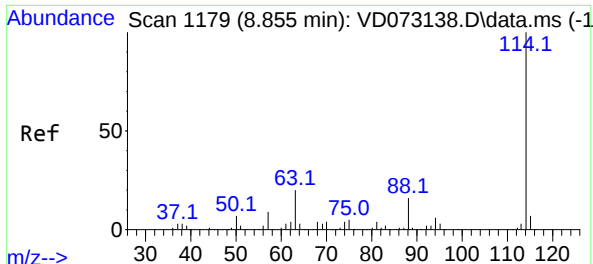
Tgt Ion: 43 Resp: 199289
Ion Ratio Lower Upper
43 100
72 25.5 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 46.273 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 65 Resp: 158697
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.4

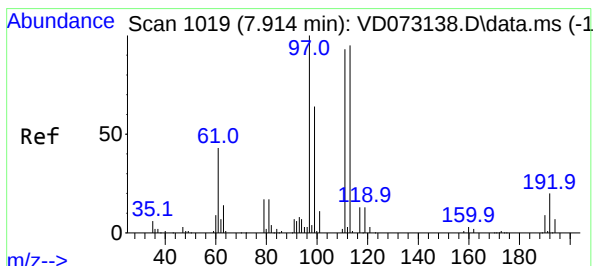
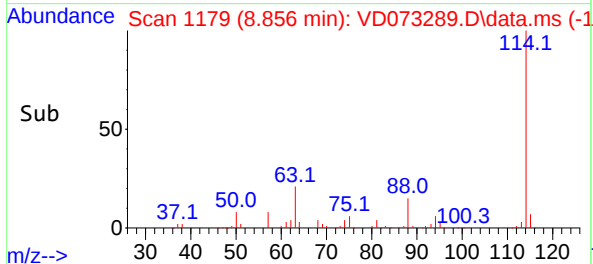
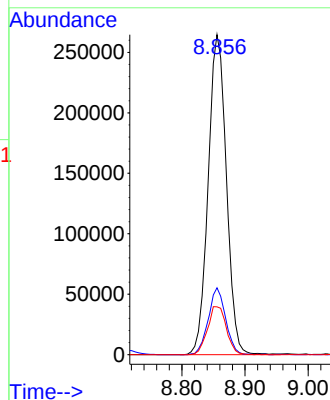
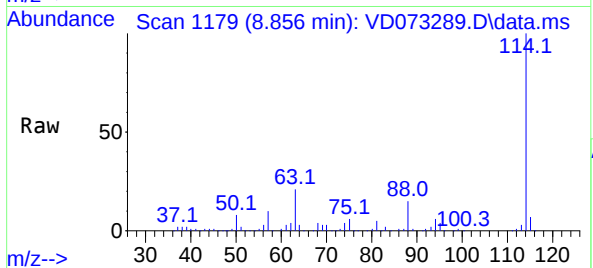




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.856 min Scan# 1179
Delta R.T. 0.001 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

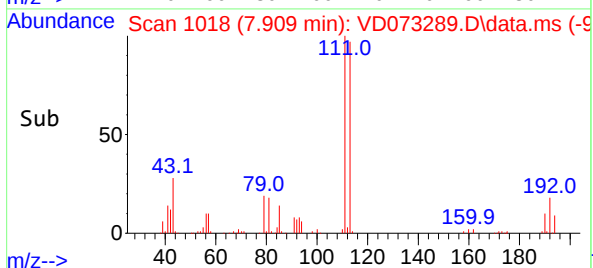
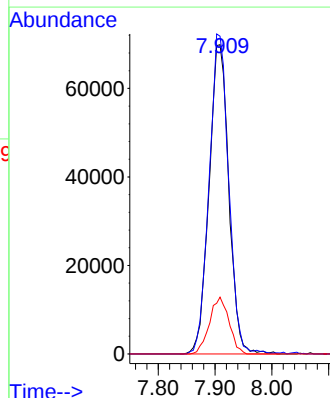
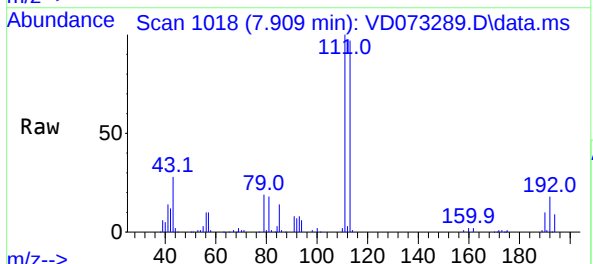
Instrument :
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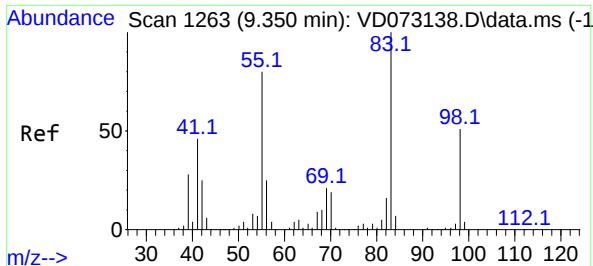
Tgt Ion:114 Resp: 531037
Ion Ratio Lower Upper
114 100
63 20.9 0.0 46.6
88 15.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.184 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.005 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion:113 Resp: 168844
Ion Ratio Lower Upper
113 100
111 102.3 83.8 125.6
192 18.2 14.6 21.8

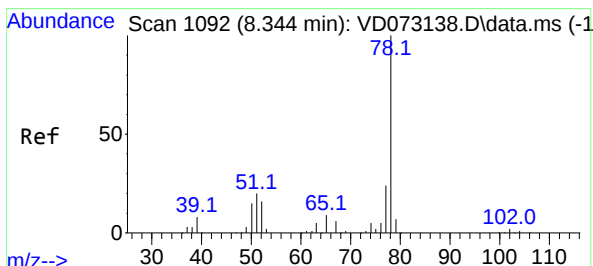
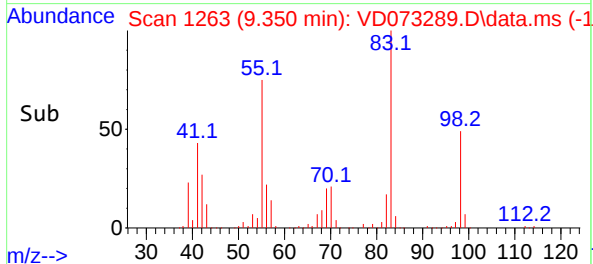
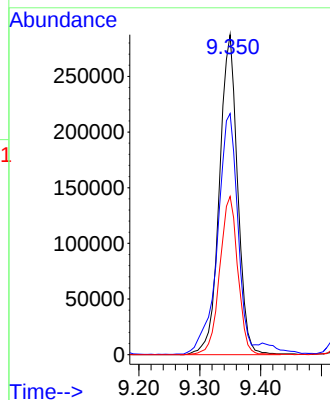
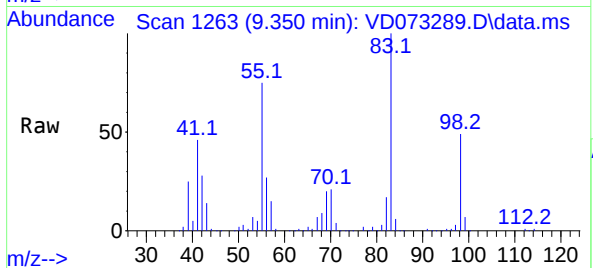




#39
Methylcyclohexane
Concen: 101.173 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

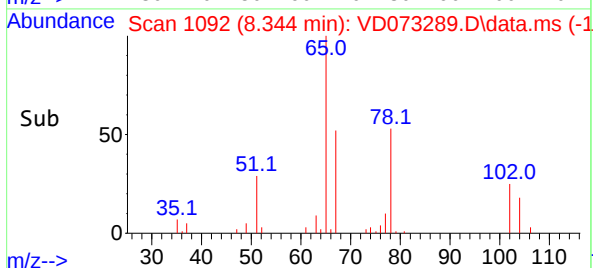
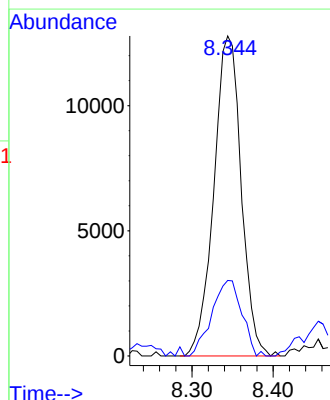
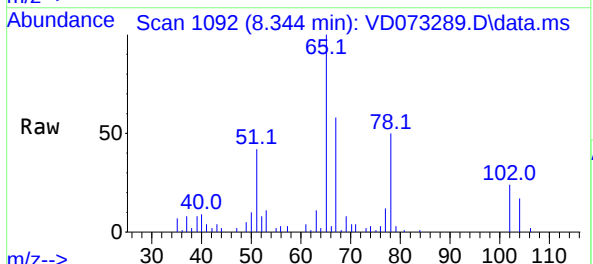
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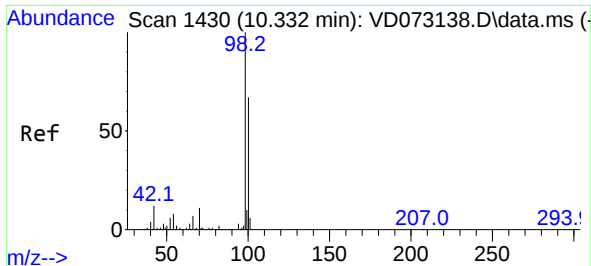
Tgt Ion: 83 Resp: 594222
Ion Ratio Lower Upper
83 100
55 75.1 63.2 94.8
98 49.4 38.2 57.4



#40
Benzene
Concen: 1.970 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 78 Resp: 29915
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7

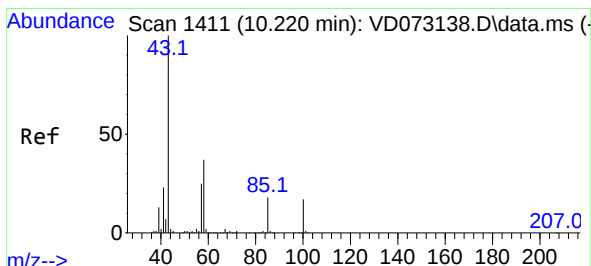
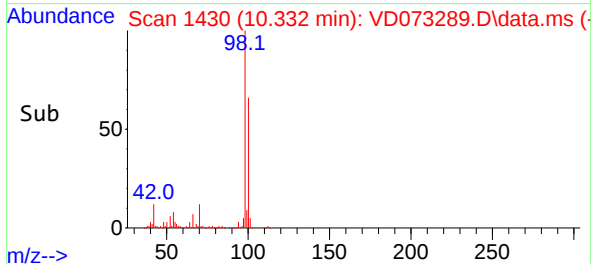
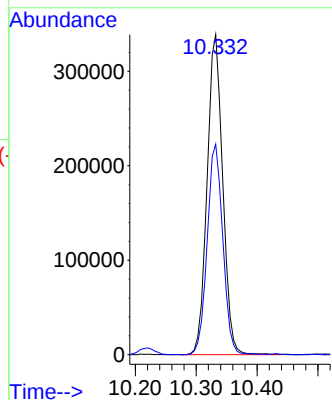
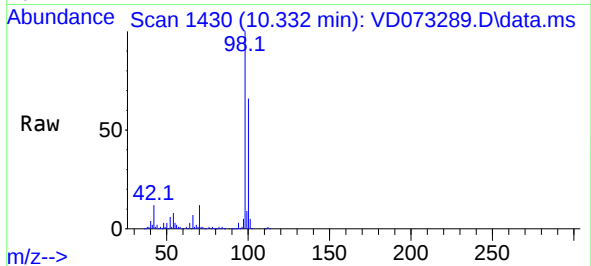




#50
Toluene-d8
Concen: 46.814 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

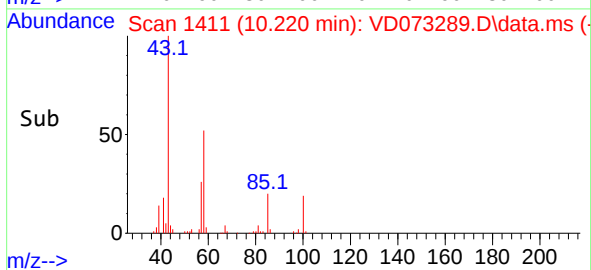
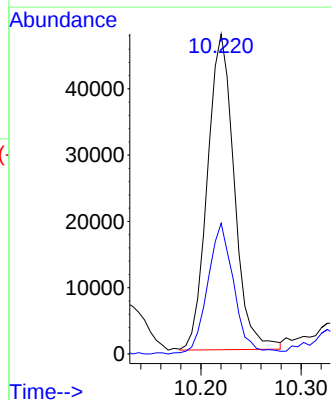
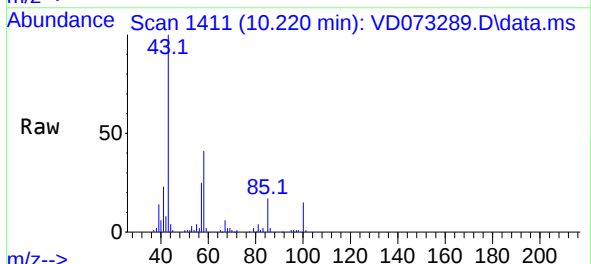
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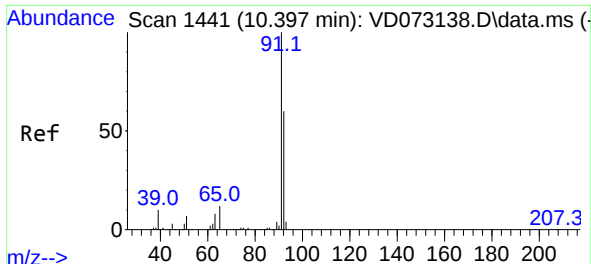
Tgt Ion: 98 Resp: 604705
Ion Ratio Lower Upper
98 100
100 65.7 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 44.404 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 43 Resp: 88738
Ion Ratio Lower Upper
43 100
58 40.6 28.6 43.0

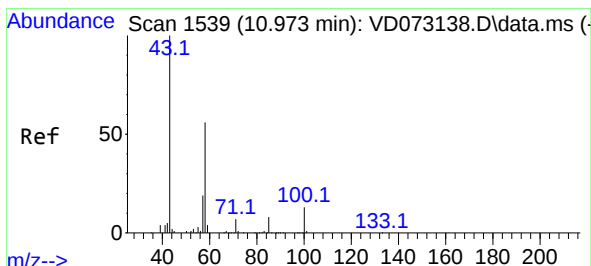
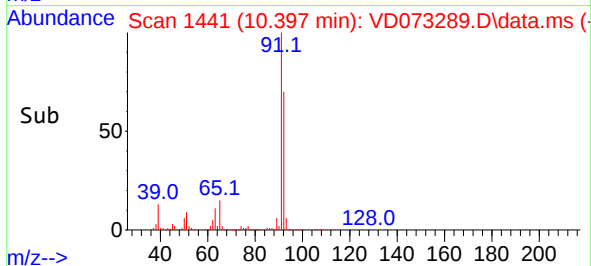
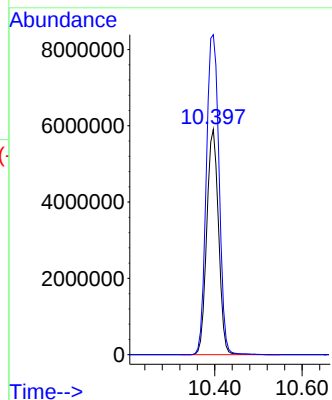
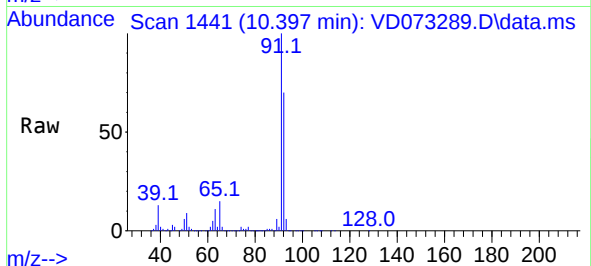




#52
Toluene
Concen: 1152.800 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

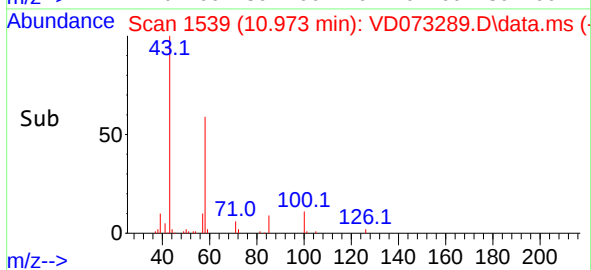
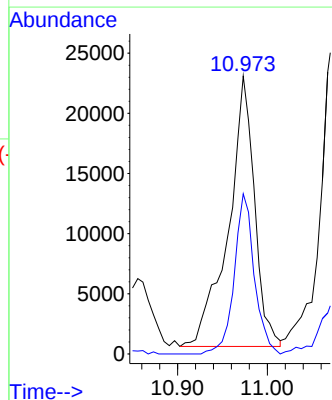
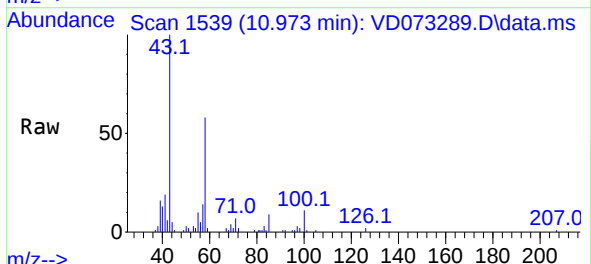
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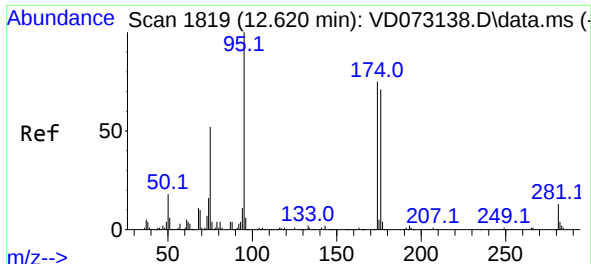
Tgt Ion: 92 Resp:11064577
Ion Ratio Lower Upper
92 100
91 153.7 139.6 209.4



#59
2-Hexanone
Concen: 34.454 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

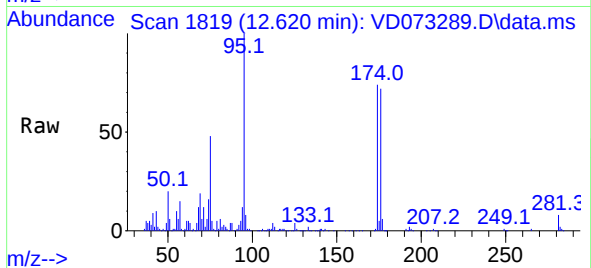
Tgt Ion: 43 Resp: 45394
Ion Ratio Lower Upper
43 100
58 45.5 25.3 75.9



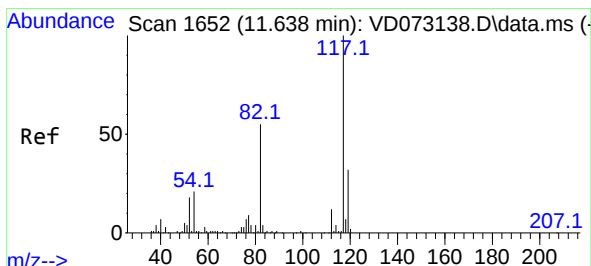
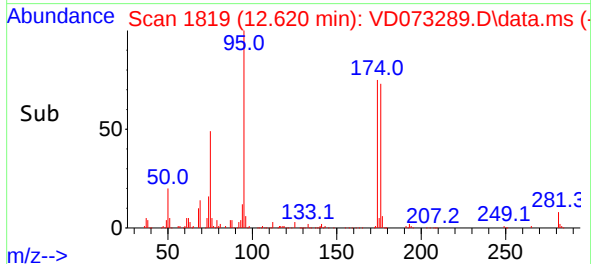
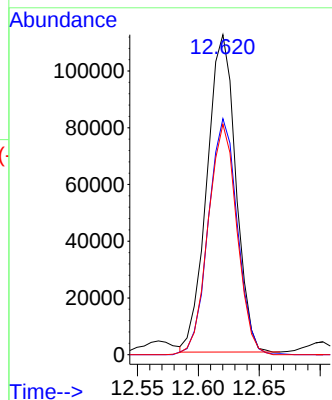


#62
4-Bromofluorobenzene
Concen: 40.704 ug/l
RT: 12.620 min Scan# 116972
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Instrument :
MSVOA_D
ClientSampleId :

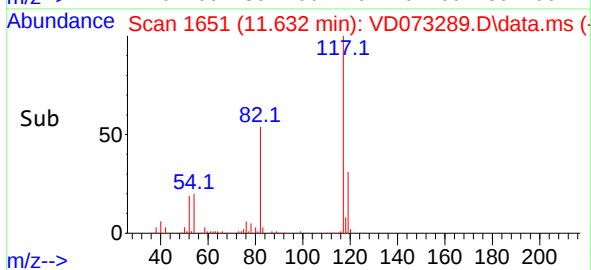
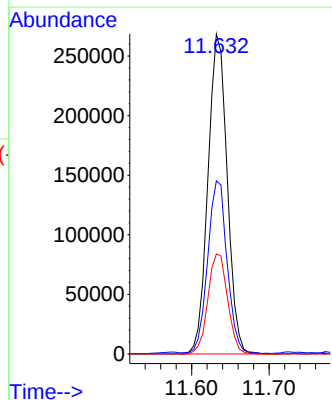
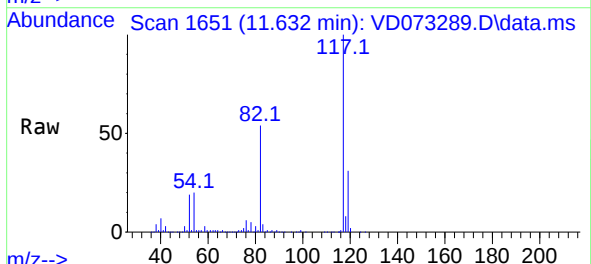


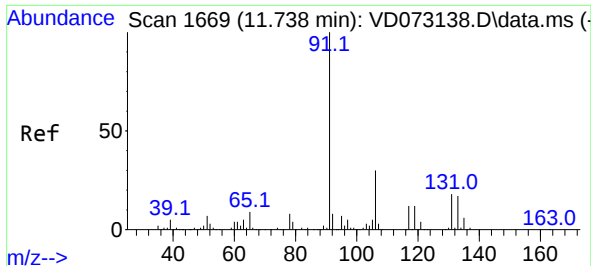
Tgt Ion: 95 Resp: 184516
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.8
176 72.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 117 Resp: 462322
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 31.3 26.6 40.0

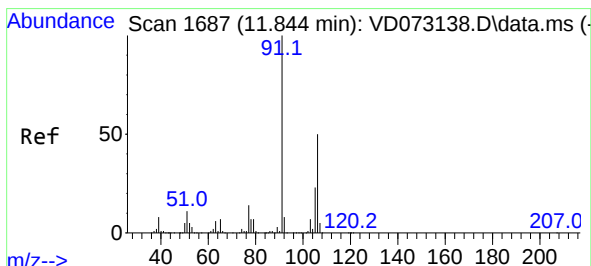
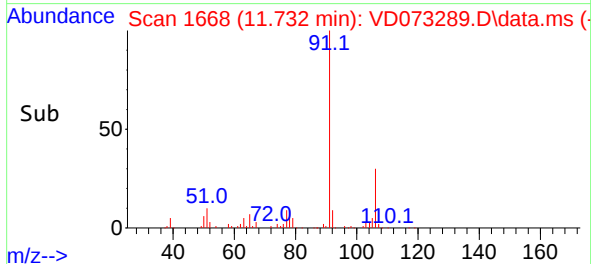
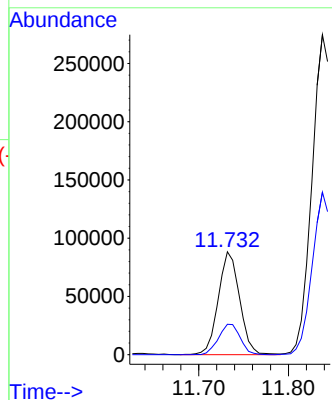
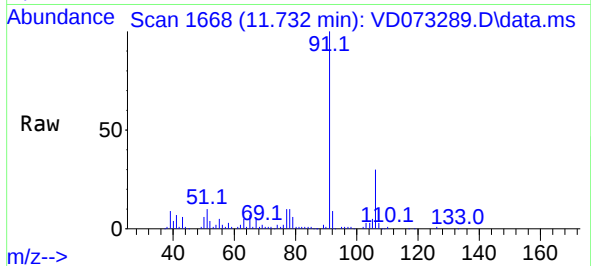




#67
Ethyl Benzene
Concen: 8.765 ug/l
RT: 11.732 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

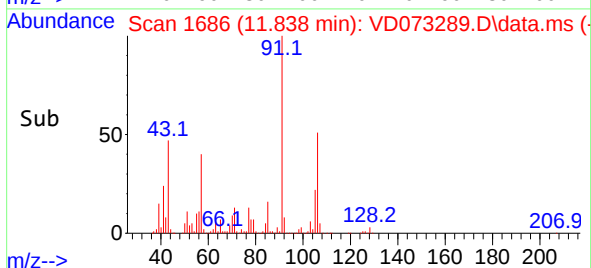
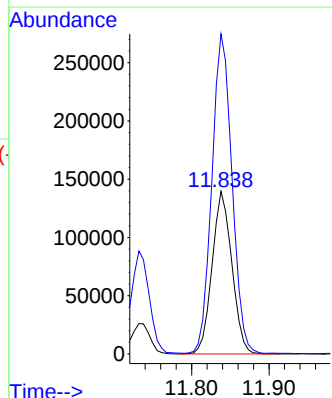
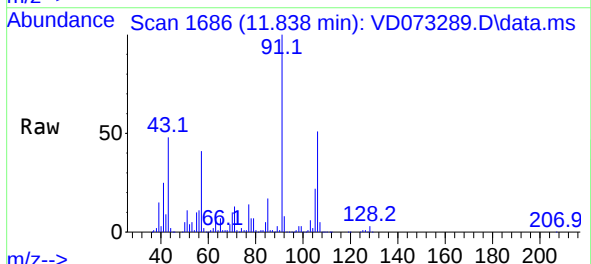
Instrument :
MSVOA_D
ClientSampleId :
16972

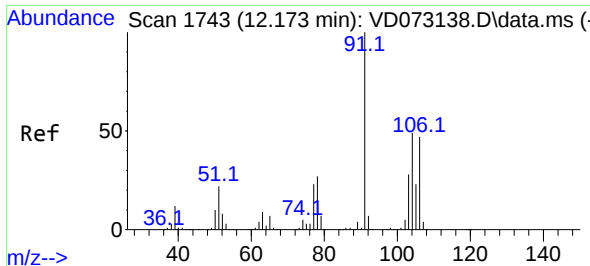
Tgt Ion: 91 Resp: 145933
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4



#68
m/p-Xylenes
Concen: 38.291 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion:106 Resp: 247687
Ion Ratio Lower Upper
106 100
91 200.3 163.7 245.5

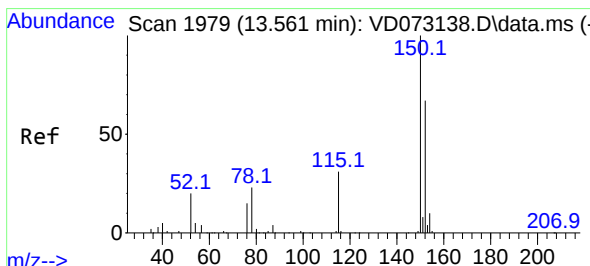
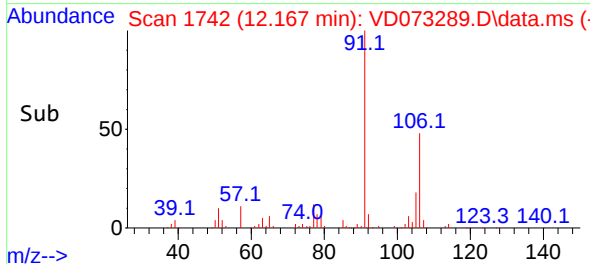
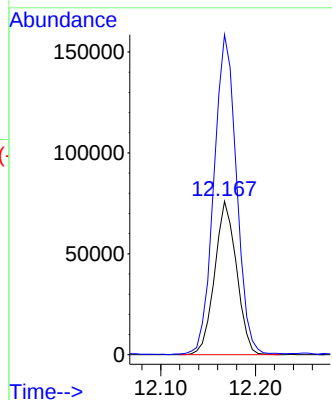
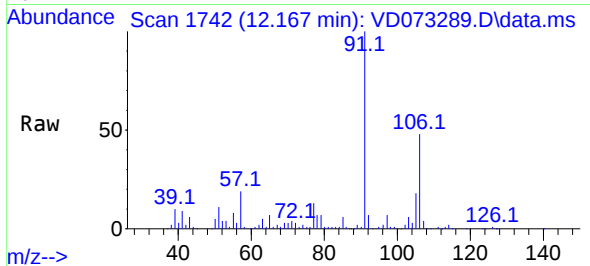




#69
o-Xylene
Concen: 20.527 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

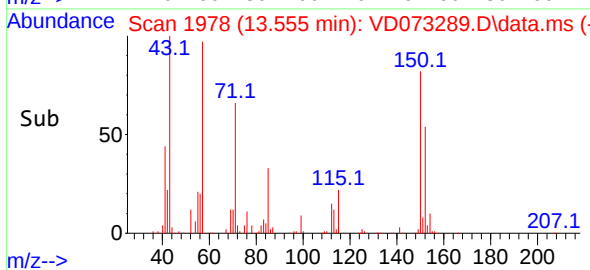
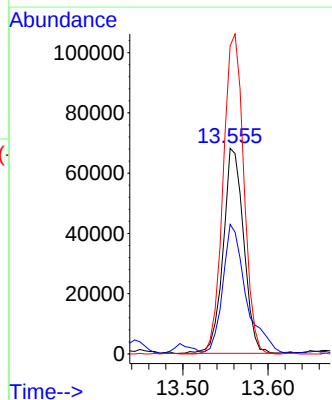
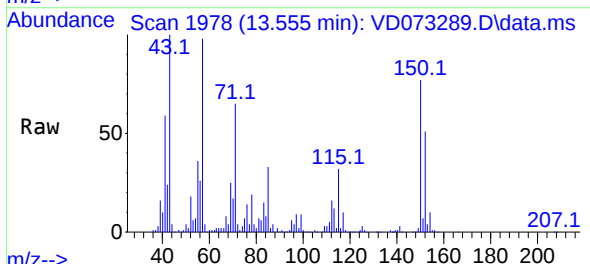
Instrument :
MSVOA_D
ClientSampleId :
16972

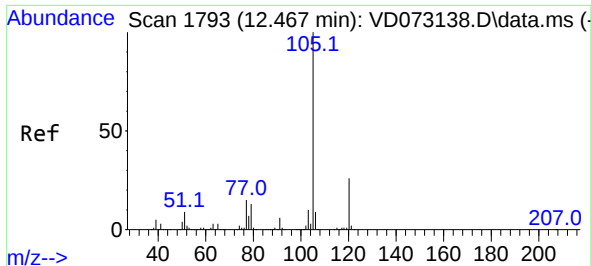
Tgt Ion:106 Resp: 121977
Ion Ratio Lower Upper
106 100
91 216.5 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion:152 Resp: 113734
Ion Ratio Lower Upper
152 100
115 70.5 31.3 93.8
150 157.0 0.0 348.6

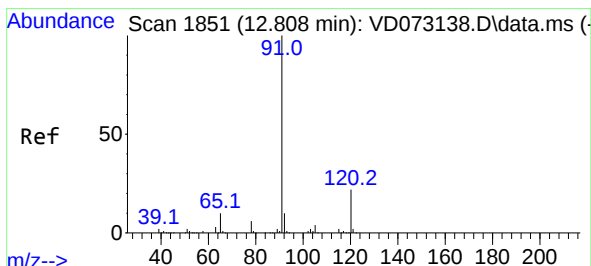
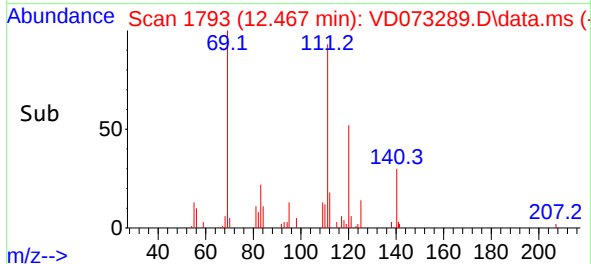
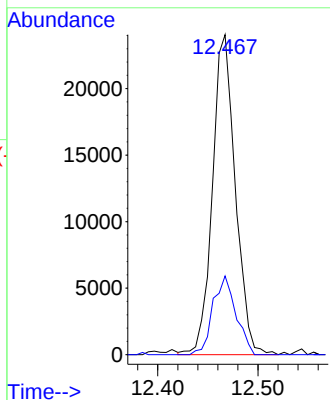
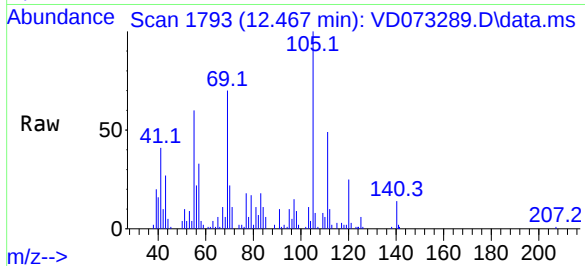




#73
Isopropylbenzene
Concen: 4.708 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

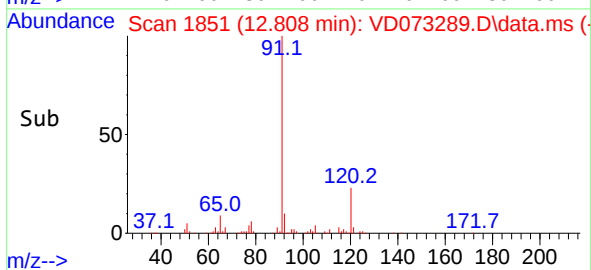
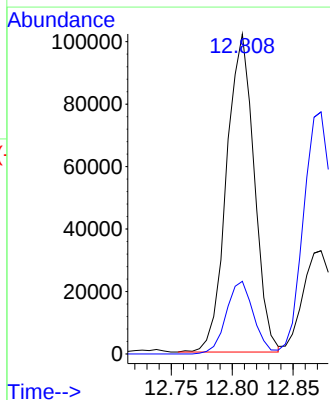
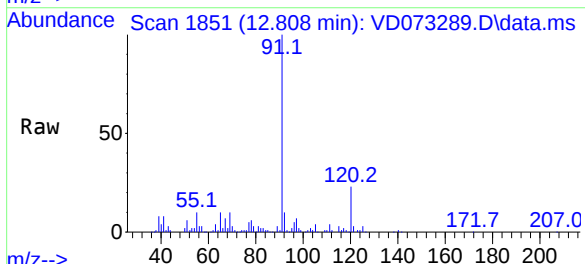
Instrument :
MSVOA_D
ClientSampleId :
16972

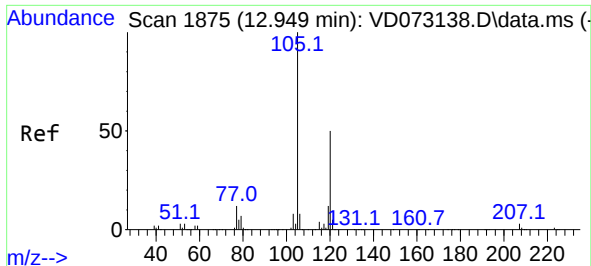
Tgt Ion:105 Resp: 38169
Ion Ratio Lower Upper
105 100
120 24.7 13.0 38.9



#78
n-propylbenzene
Concen: 15.781 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion: 91 Resp: 160634
Ion Ratio Lower Upper
91 100
120 22.8 10.9 32.9

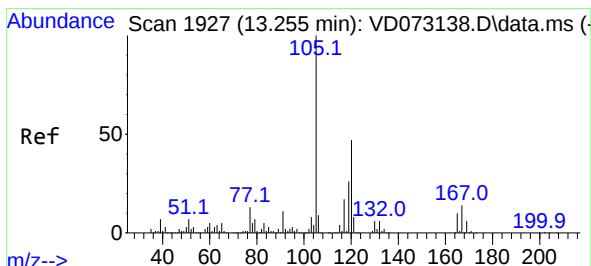
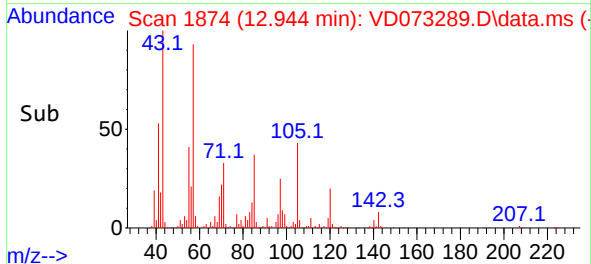
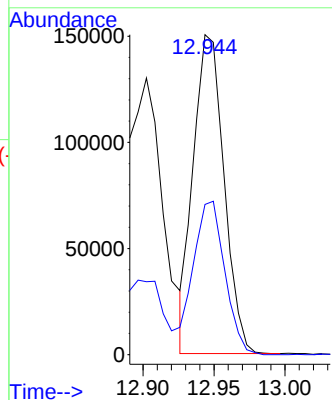
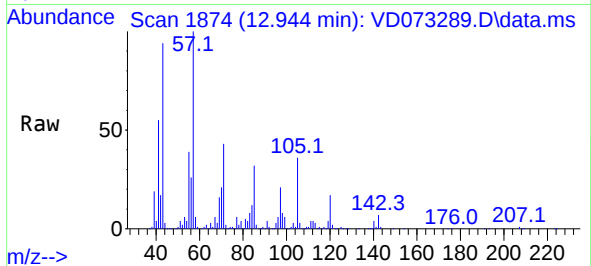




#80
 1,3,5-Trimethylbenzene
 Concen: 32.782 ug/l
 RT: 12.944 min Scan# 1875
 Delta R.T. -0.005 min
 Lab File: VD073289.D
 Acq: 23 May 2022 18:12

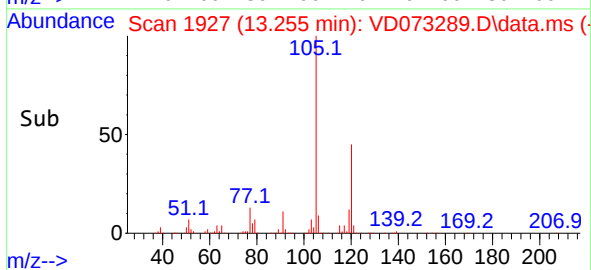
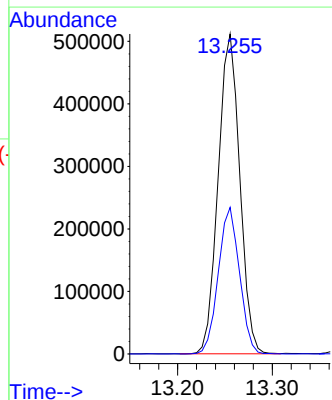
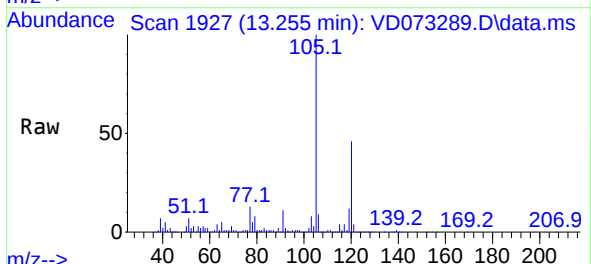
Instrument :
 MSVOA_D
 ClientSampleId :
 16972

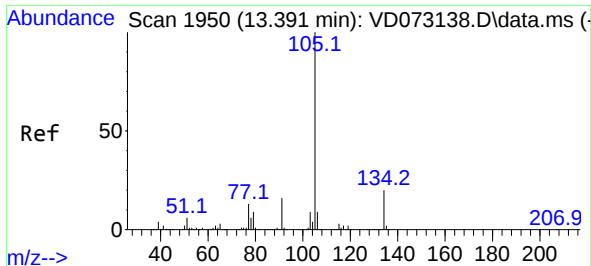
Tgt Ion:105 Resp: 225158
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 119.573 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.000 min
 Lab File: VD073289.D
 Acq: 23 May 2022 18:12

Tgt Ion:105 Resp: 811326
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.8

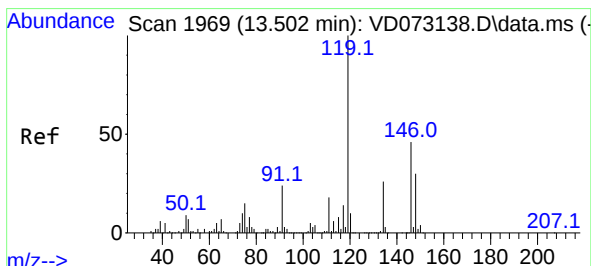
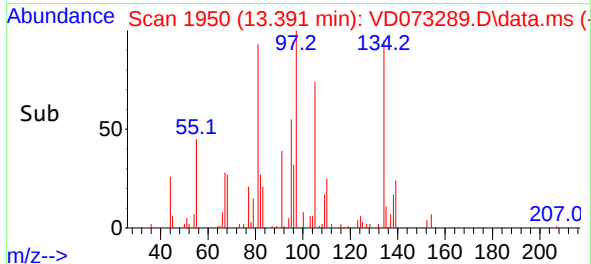
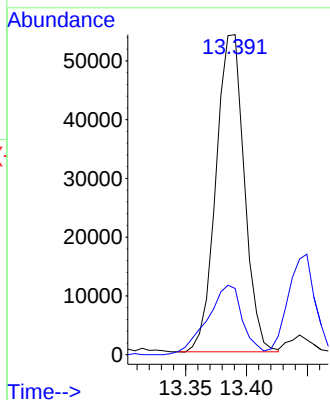
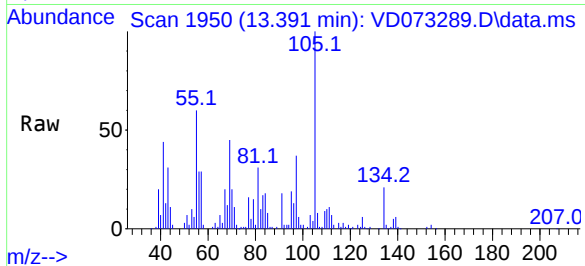




#85
sec-Butylbenzene
Concen: 9.902 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

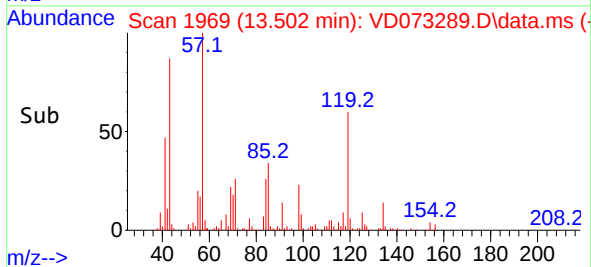
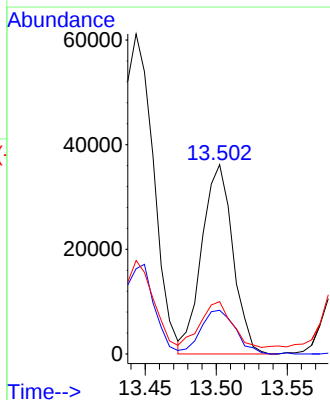
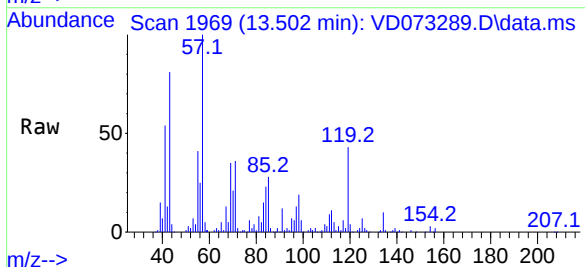
Instrument :
MSVOA_D
ClientSampleId :
16972

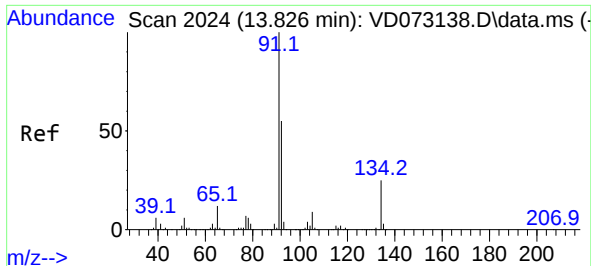
Tgt Ion:105 Resp: 87523
Ion Ratio Lower Upper
105 100
134 27.2 9.8 29.3



#86
p-Isopropyltoluene
Concen: 7.635 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion:119 Resp: 55013
Ion Ratio Lower Upper
119 100
134 25.7 12.9 38.6
91 22.8 12.1 36.3

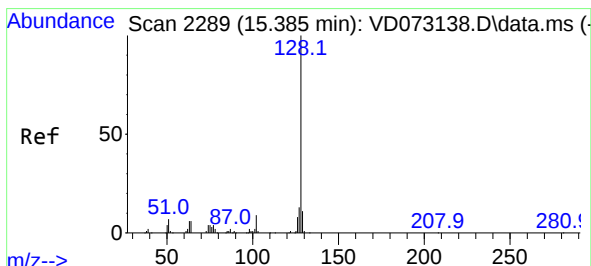
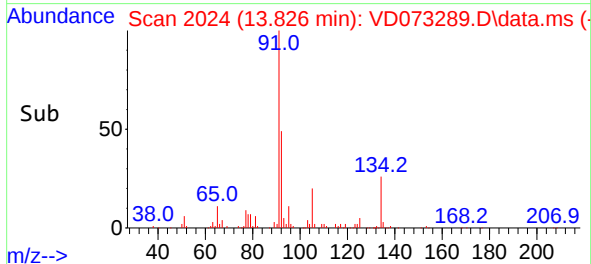
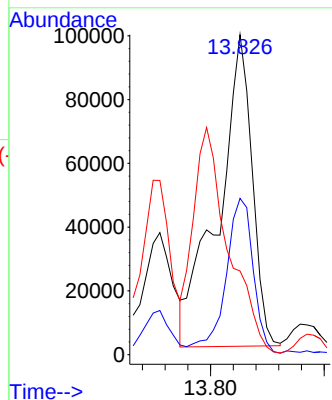
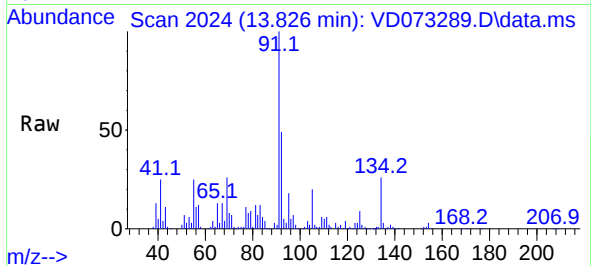




#89
n-Butylbenzene
Concen: 29.324 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Instrument :
MSVOA_D
ClientSampleId :
16972

Tgt Ion: 91 Resp: 201306
Ion Ratio Lower Upper
91 100
92 40.7 26.6 79.8
134 0.0 12.3 36.9#



#95
Naphthalene
Concen: 35.300 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD073289.D
Acq: 23 May 2022 18:12

Tgt Ion:128 Resp: 127213
Ion Ratio Lower Upper
128 100
127 14.3 10.3 15.5
129 12.2 8.4 12.6

