

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050622\
 Data File : VD072881.D
 Acq On : 07 May 2022 06:46
 Operator : VA/SY
 Sample : N2717-01
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1284

Quant Time: May 09 01:21:39 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)

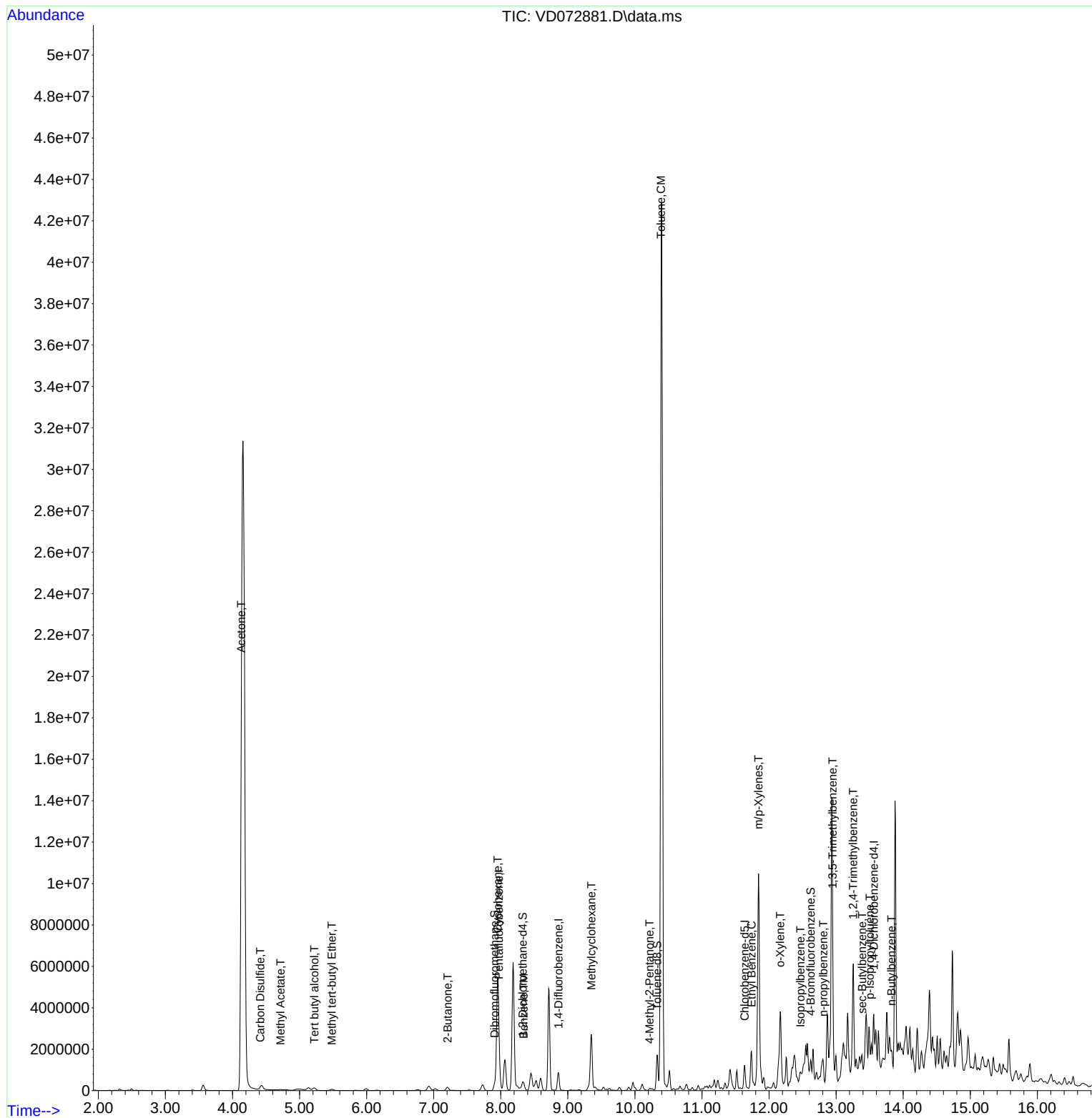
Internal Standards						
1) Pentafluorobenzene	7.973	168	433624	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	740068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	660752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	238382	42.351	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	84.700%
35) Dibromofluoromethane	7.908	113	234374	45.093	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.180%
50) Toluene-d8	10.332	98	889848	47.728	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.620	95	315642	45.404	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	237704	488.092	ug/l	98
16) Acetone	4.132	43	41688107m	41891.702	ug/l	
17) Carbon Disulfide	4.414	76	25884	1.574	ug/l	99
18) Methyl Acetate	4.714	43	42423	13.672	ug/l #	90
19) Methyl tert-butyl Ether	5.479	73	48305	3.854	ug/l #	1
25) 2-Butanone	7.208	43	220548	134.477	ug/l	95
31) Cyclohexane	7.955	56	1071451	108.892	ug/l #	51
39) Methylcyclohexane	9.349	83	1117132	113.958	ug/l	99
40) Benzene	8.344	78	207120	8.486	ug/l	99
51) 4-Methyl-2-Pentanone	10.220	43	61579	16.526	ug/l	97
52) Toluene	10.391	92	19485913	1279.896	ug/l #	1
67) Ethyl Benzene	11.738	91	1282538	48.491	ug/l	99
68) m/p-Xylenes	11.843	106	2087536	204.899	ug/l	100
69) o-Xylene	12.167	106	909641	95.601	ug/l	99
73) Isopropylbenzene	12.467	105	197973	10.645	ug/l	100
78) n-propylbenzene	12.808	91	733328	31.286	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	783804	49.704	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	2970003	188.420	ug/l	100
85) sec-Butylbenzene	13.390	105	338681	16.749	ug/l	87
86) p-Isopropyltoluene	13.502	119	195240	11.776	ug/l	98
89) n-Butylbenzene	13.826	91	601444	37.450	ug/l #	74

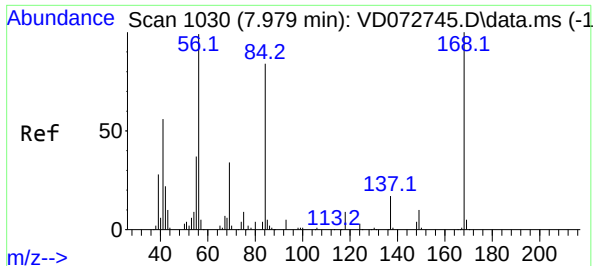
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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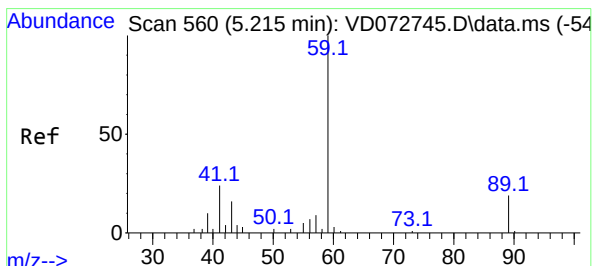
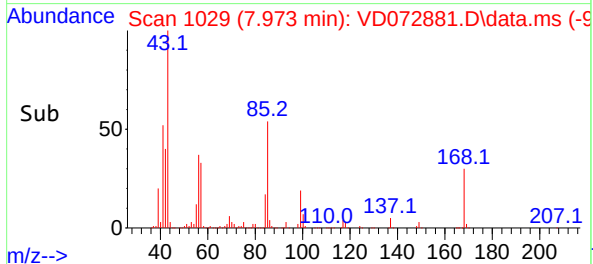
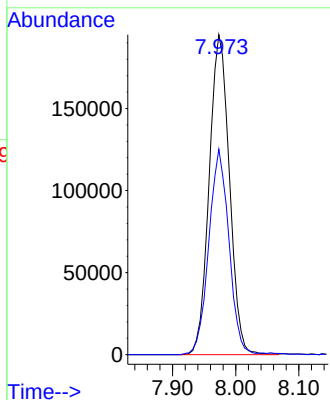
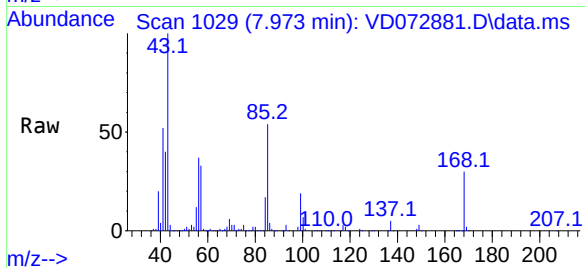




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

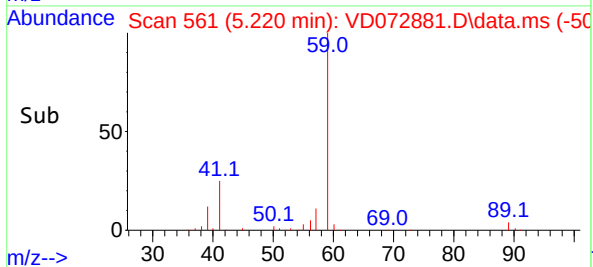
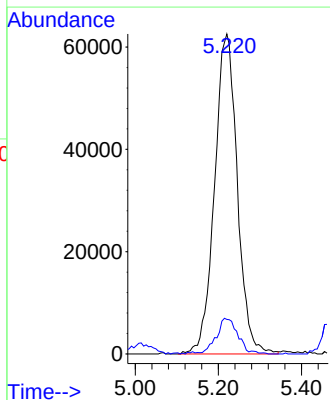
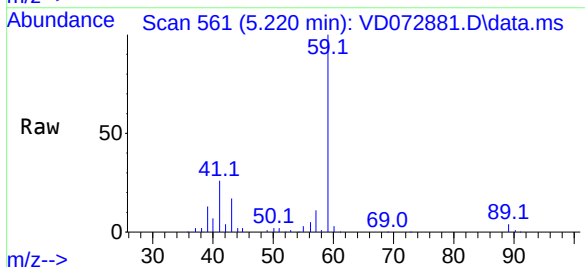
Instrument :
MSVOA_D
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TRE-1284

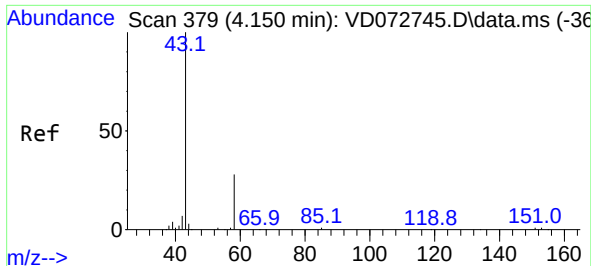
Tgt Ion:168 Resp: 433624
Ion Ratio Lower Upper
168 100
99 64.2 49.8 74.6



#11
Tert butyl alcohol
Concen: 488.092 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.005 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 59 Resp: 237704
Ion Ratio Lower Upper
59 100
57 10.5 7.8 11.6

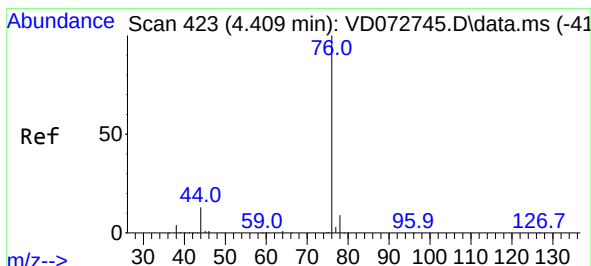
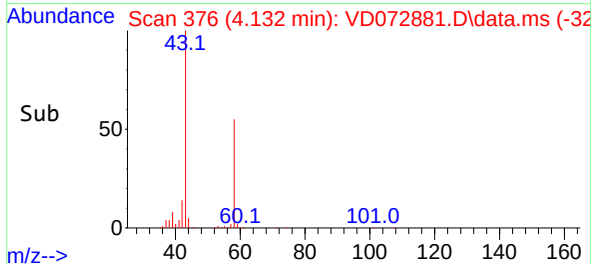
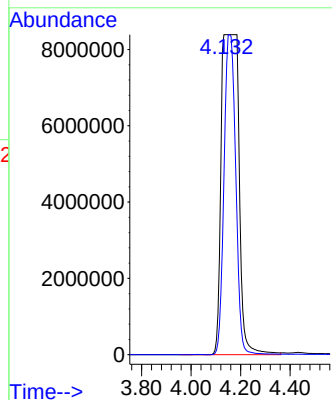
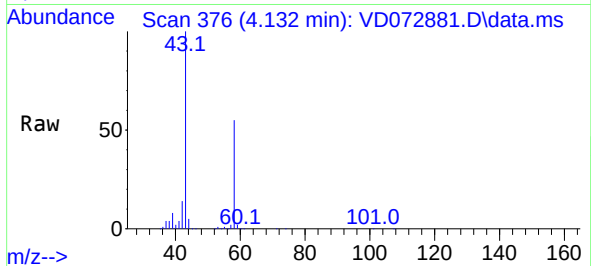




#16
Acetone
Concen: 41891.702 ug/l m
RT: 4.132 min Scan# 31
Delta R.T. -0.018 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

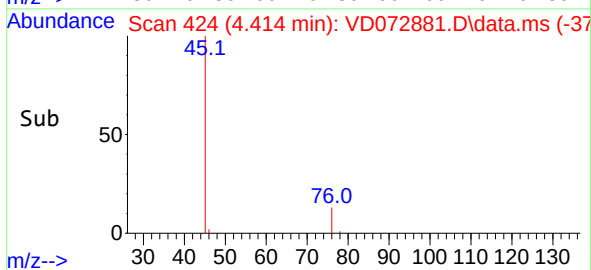
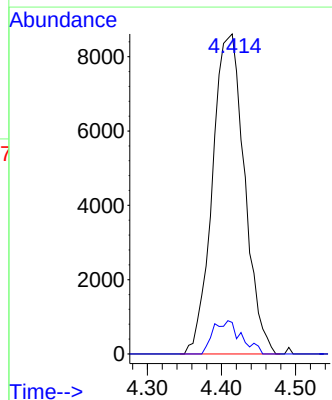
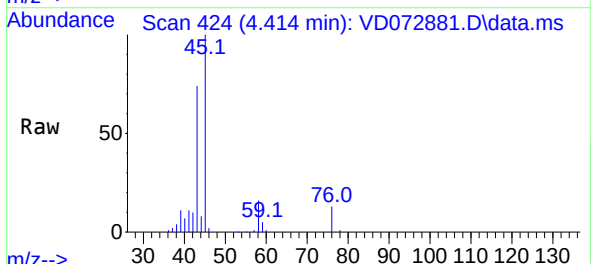
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

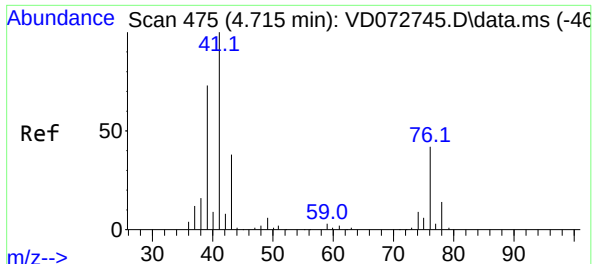
Tgt Ion: 43 Resp:41688107
Ion Ratio Lower Upper
43 100
58 54.6 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.574 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.005 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 76 Resp: 25884
Ion Ratio Lower Upper
76 100
78 9.9 7.5 11.3





#18

Methyl Acetate

Concen: 13.672 ug/l

RT: 4.714 min Scan# 41

Delta R.T. -0.001 min

Lab File: VD072881.D

Acq: 07 May 2022 06:46

Instrument :

MSVOA_D

ClientSampleId :

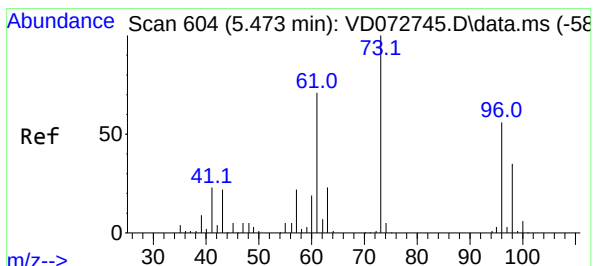
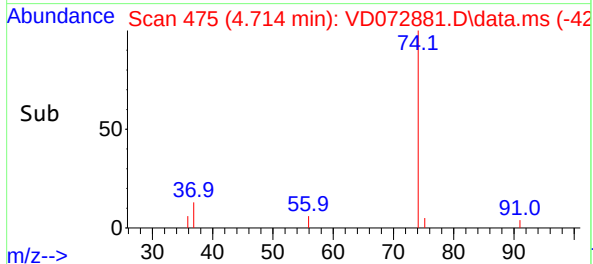
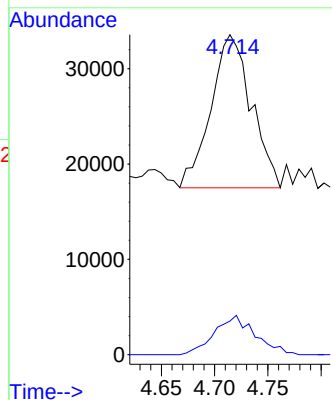
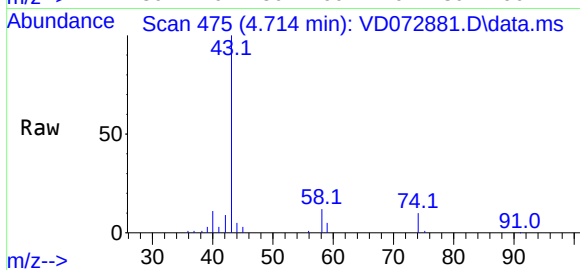
TRE-1284

Tgt Ion: 43 Resp: 42423

Ion Ratio Lower Upper

43 100

74 25.7 16.7 25.1#



#19

Methyl tert-butyl Ether

Concen: 3.854 ug/l

RT: 5.479 min Scan# 605

Delta R.T. 0.006 min

Lab File: VD072881.D

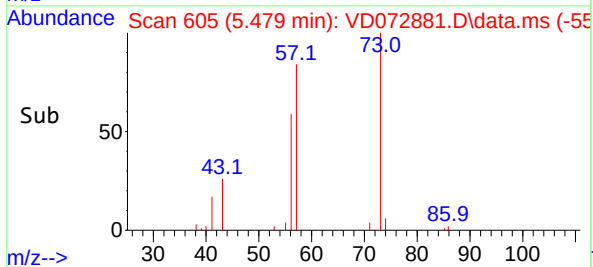
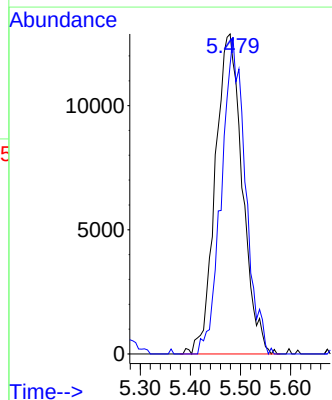
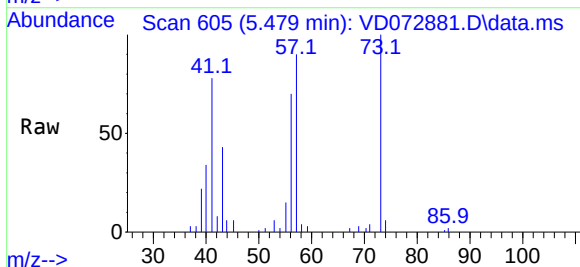
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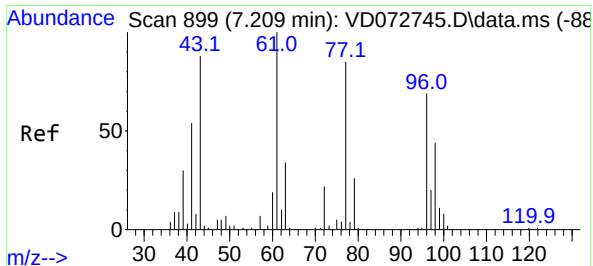
Tgt Ion: 73 Resp: 48305

Ion Ratio Lower Upper

73 100

57 90.4 18.0 27.0#

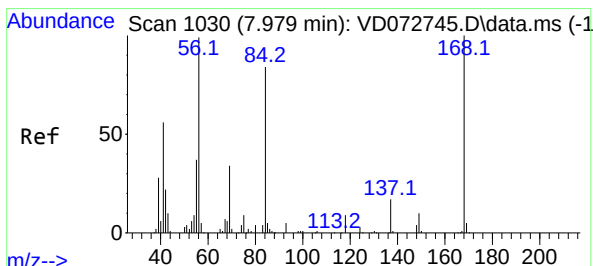
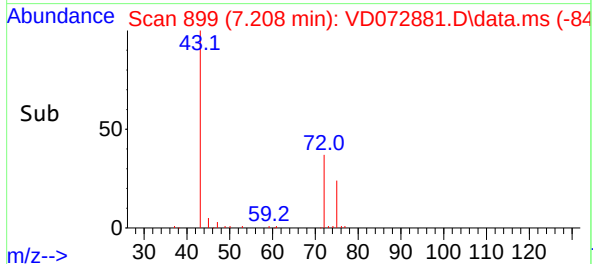
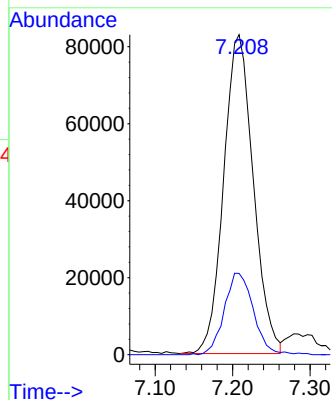
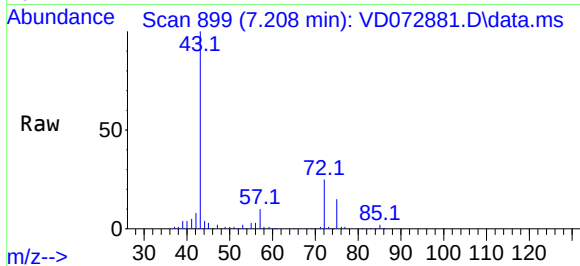




#25
2-Butanone
Concen: 134.477 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.001 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

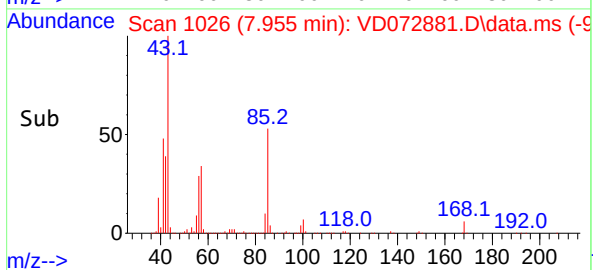
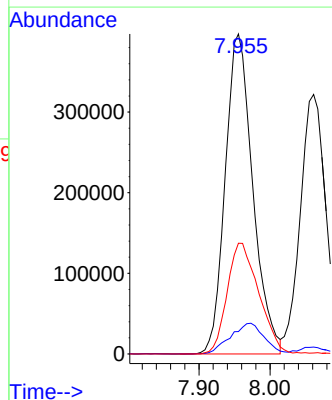
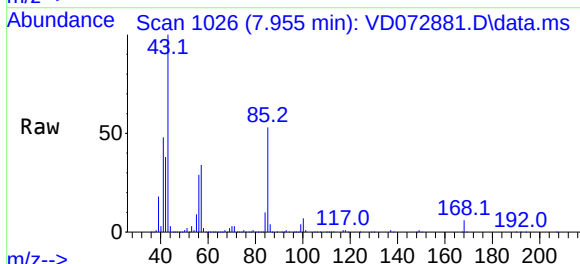
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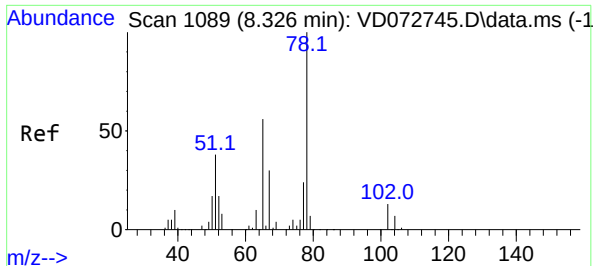
Tgt Ion: 43 Resp: 220548
Ion Ratio Lower Upper
43 100
72 25.5 18.6 27.8



#31
Cyclohexane
Concen: 108.892 ug/l
RT: 7.955 min Scan# 1026
Delta R.T. -0.024 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 56 Resp: 1071451
Ion Ratio Lower Upper
56 100
69 7.0 25.4 38.2#
84 34.6 63.0 94.4#

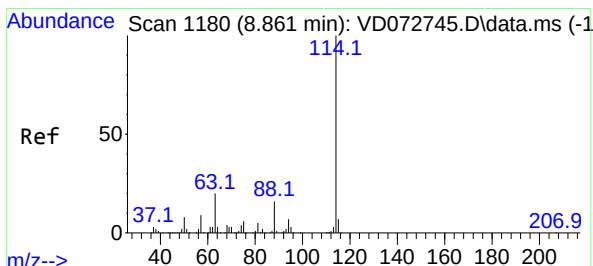
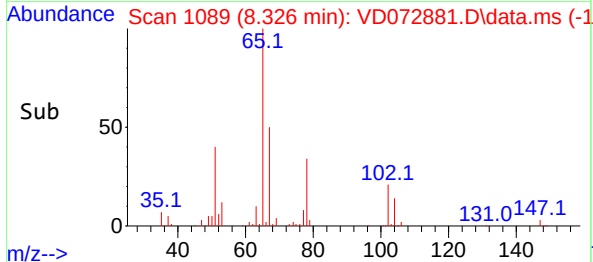
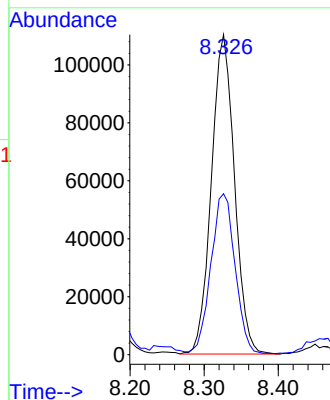
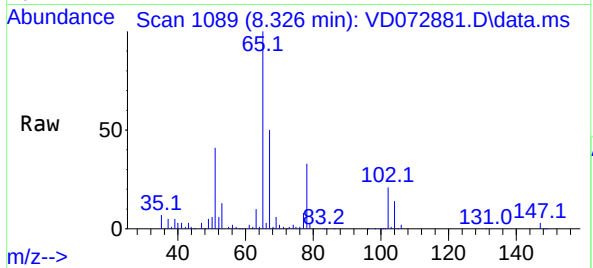




#33
1,2-Dichloroethane-d4
Concen: 42.351 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

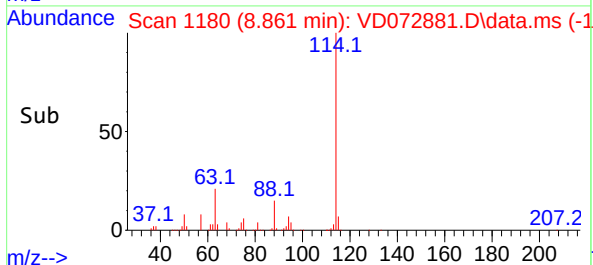
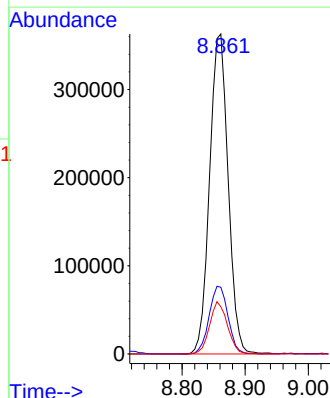
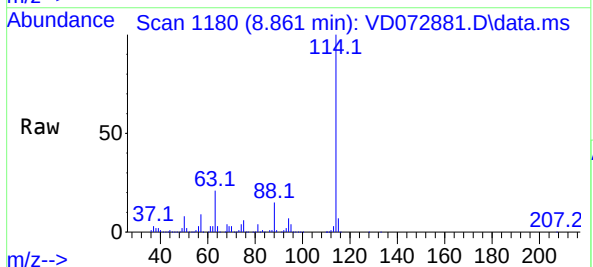
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

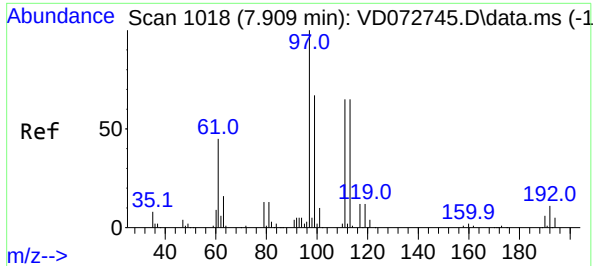
Tgt Ion: 65 Resp: 238382
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 114 Resp: 740068
Ion Ratio Lower Upper
114 100
63 20.9 0.0 46.6
88 14.7 0.0 33.2



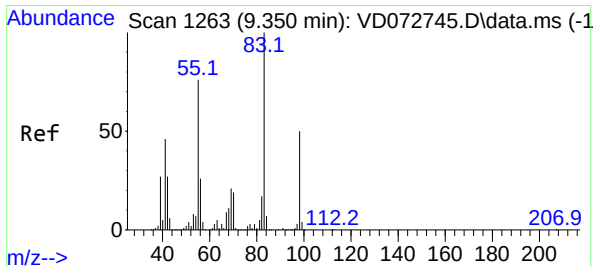
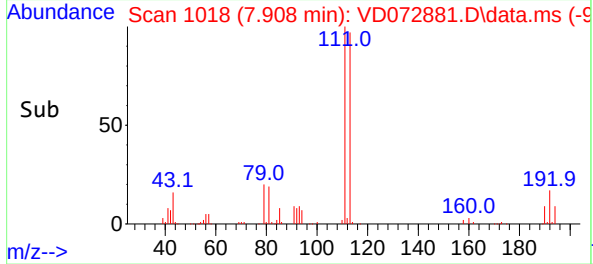
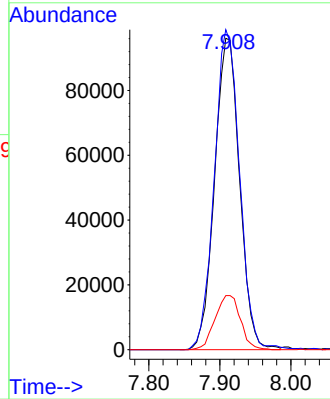
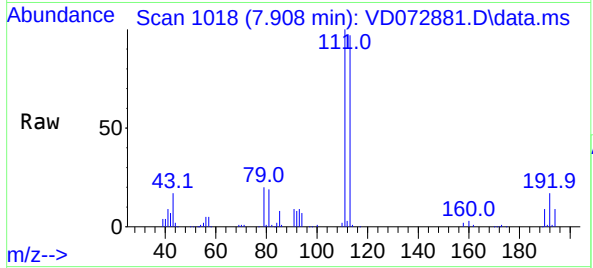


#35
 Dibromofluoromethane
 Concen: 45.093 ug/l
 RT: 7.908 min Scan# 1018
 Delta R.T. -0.001 min
 Lab File: VD072881.D
 Acq: 07 May 2022 06:46

Instrument :
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Tgt Ion:113 Resp: 234374

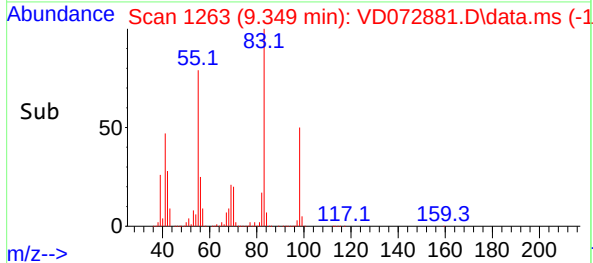
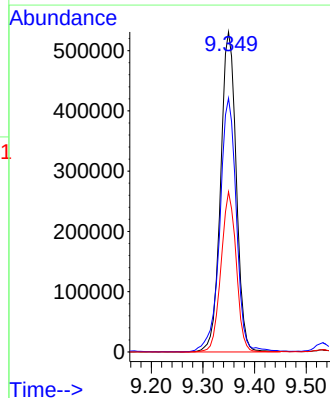
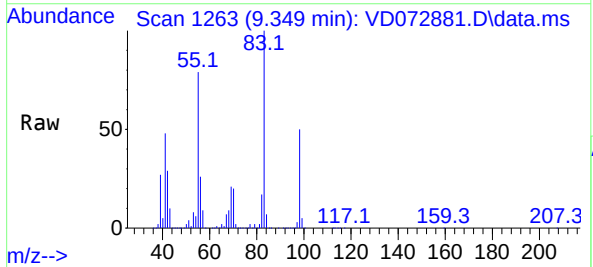
Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.8	125.6
192	17.7	14.6	21.8

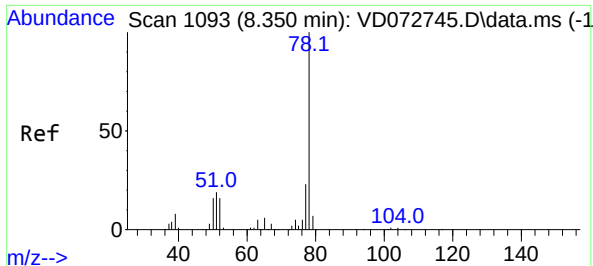


#39
 Methylcyclohexane
 Concen: 113.958 ug/l
 RT: 9.349 min Scan# 1263
 Delta R.T. -0.001 min
 Lab File: VD072881.D
 Acq: 07 May 2022 06:46

Tgt Ion: 83 Resp: 1117132

Ion	Ratio	Lower	Upper
83	100		
55	79.2	63.2	94.8
98	50.1	38.2	57.4

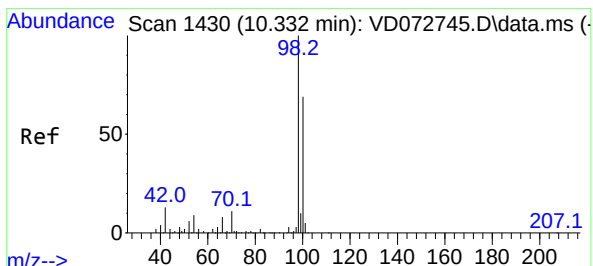
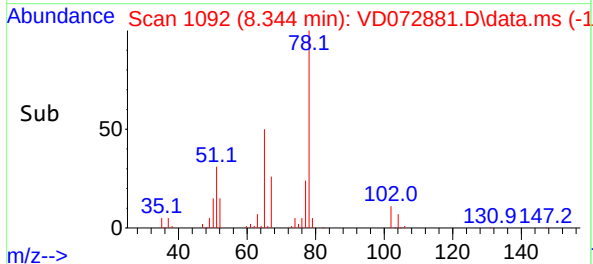
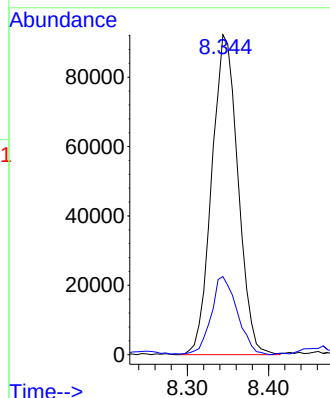
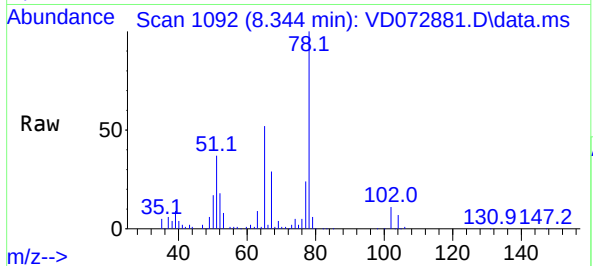




#40
Benzene
Concen: 8.486 ug/l
RT: 8.344 min Scan# 1093
Delta R.T. -0.006 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

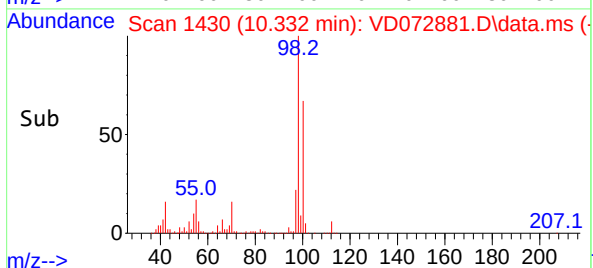
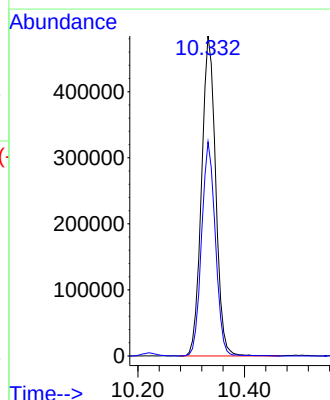
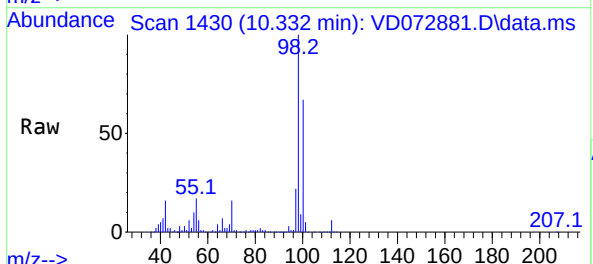
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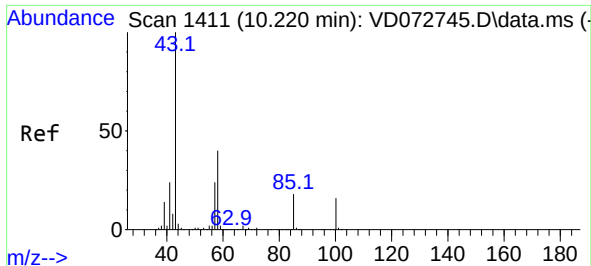
Tgt Ion: 78 Resp: 207120
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



#50
Toluene-d8
Concen: 47.728 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 98 Resp: 889848
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

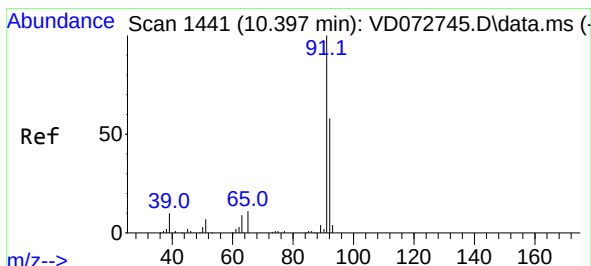
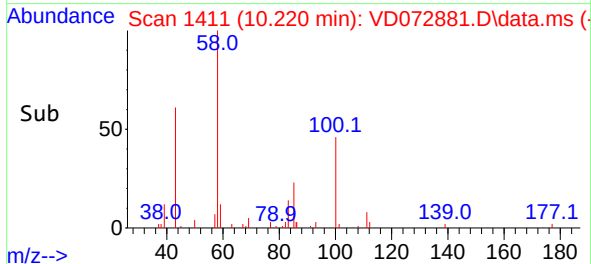
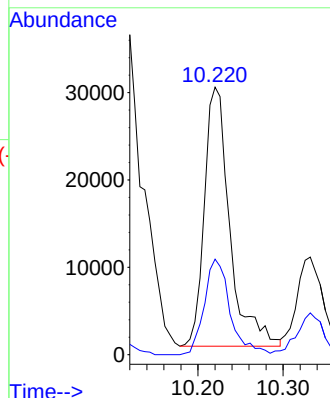
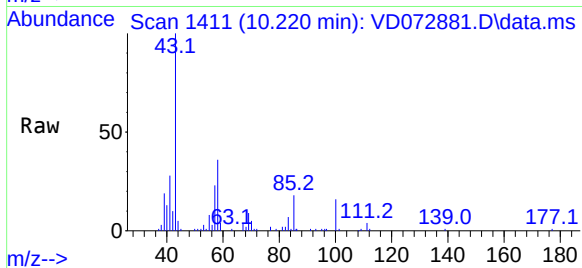




#51
4-Methyl-2-Pentanone
Concen: 16.526 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

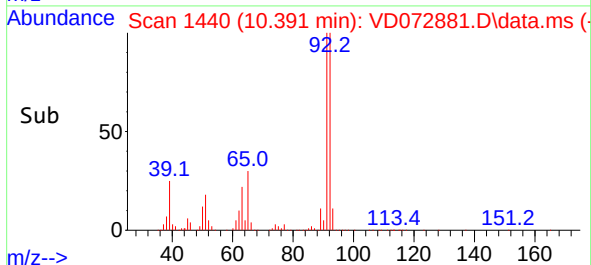
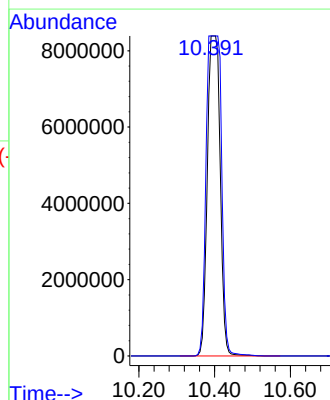
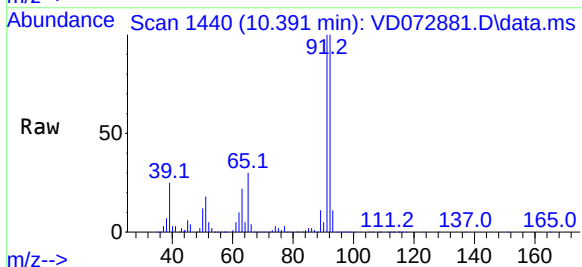
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

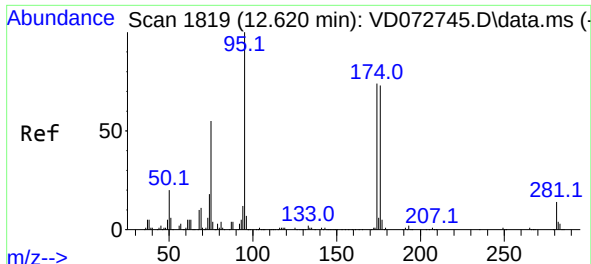
Tgt Ion: 43 Resp: 61579
Ion Ratio Lower Upper
43 100
58 37.4 28.6 43.0



#52
Toluene
Concen: 1279.896 ug/l
RT: 10.391 min Scan# 1440
Delta R.T. -0.006 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 92 Resp:19485913
Ion Ratio Lower Upper
92 100
91 0.0 139.6 209.4#

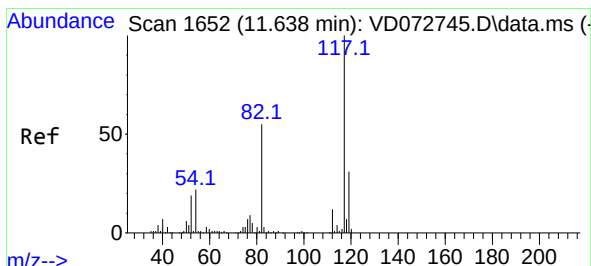
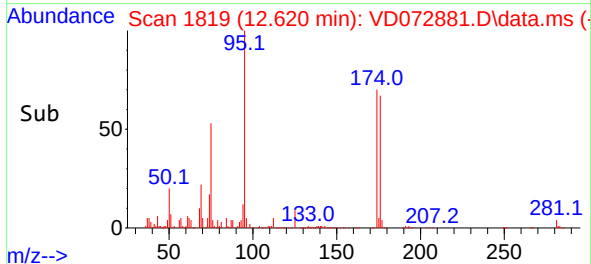
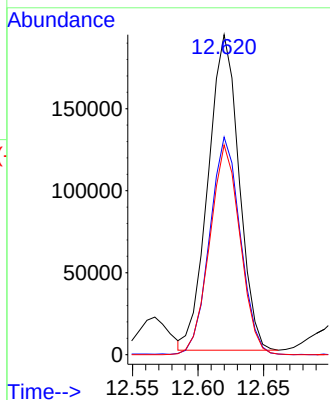
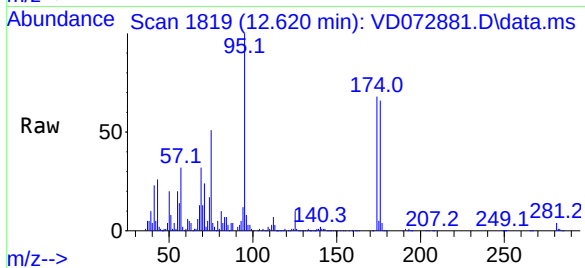




#62
4-Bromofluorobenzene
Concen: 45.404 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

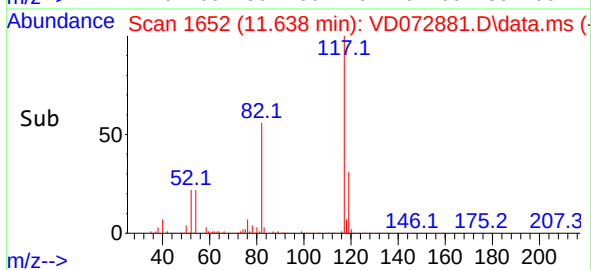
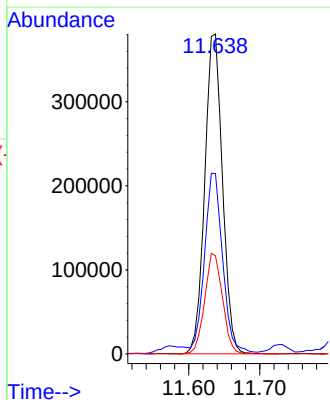
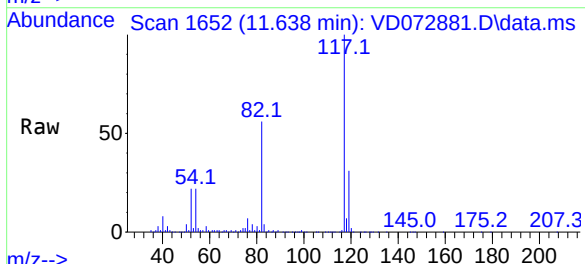
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

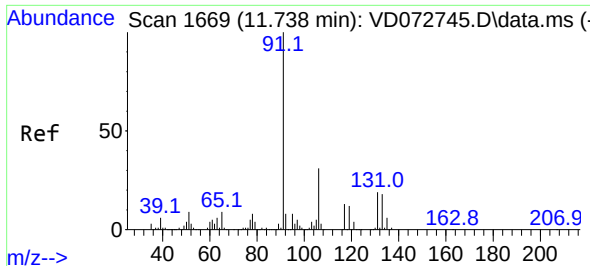
Tgt Ion: 95 Resp: 315642
Ion Ratio Lower Upper
95 100
174 68.3 0.0 152.8
176 65.2 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 117 Resp: 660752
Ion Ratio Lower Upper
117 100
82 54.3 45.3 67.9
119 30.6 26.6 40.0

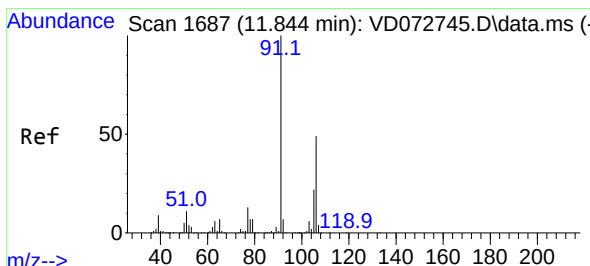
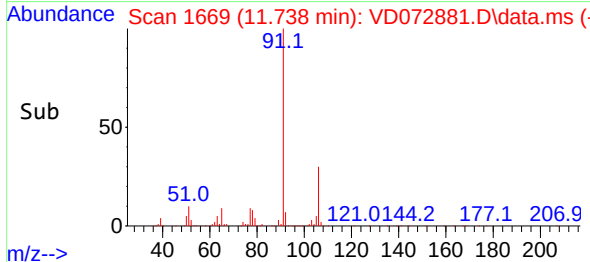
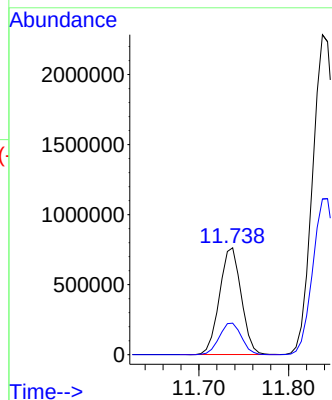
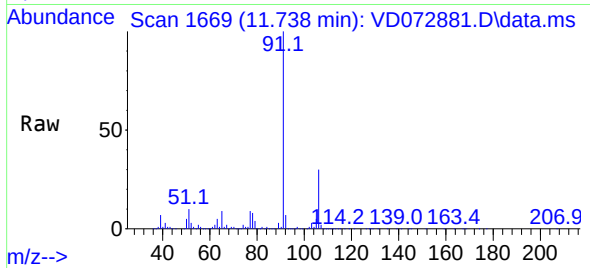




#67
Ethyl Benzene
Concen: 48.491 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

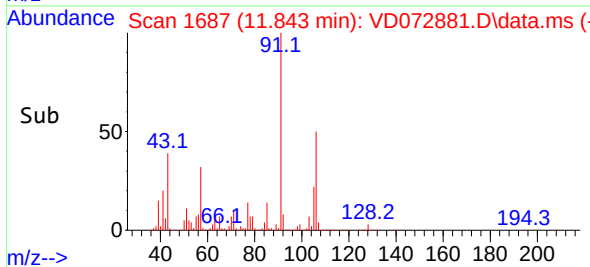
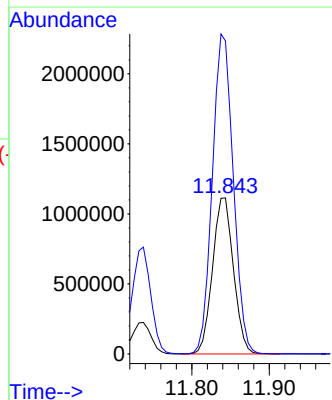
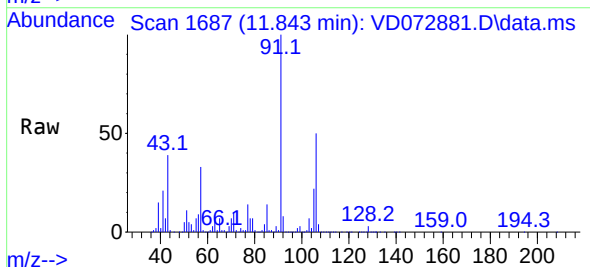
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

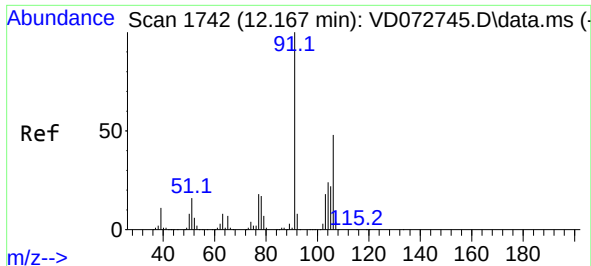
Tgt Ion: 91 Resp: 1282538
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.4



#68
m/p-Xylenes
Concen: 204.899 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.001 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion:106 Resp: 2087536
Ion Ratio Lower Upper
106 100
91 204.6 163.7 245.5

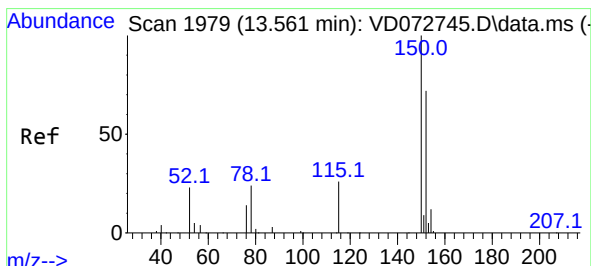
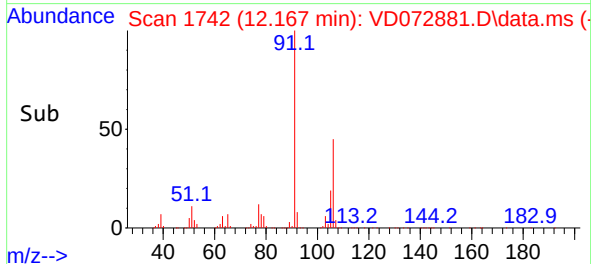
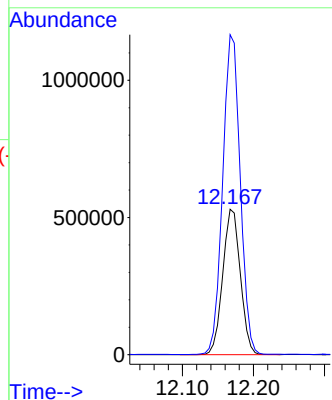
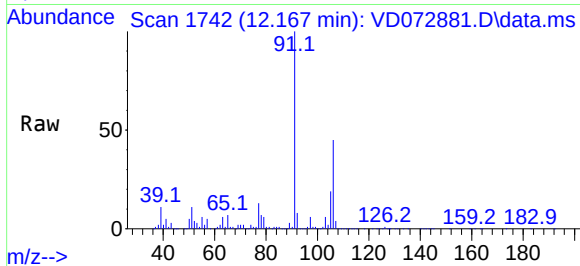




#69
o-Xylene
Concen: 95.601 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

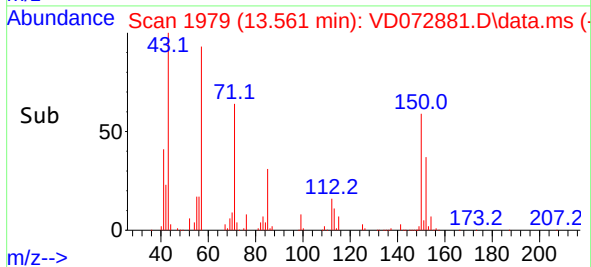
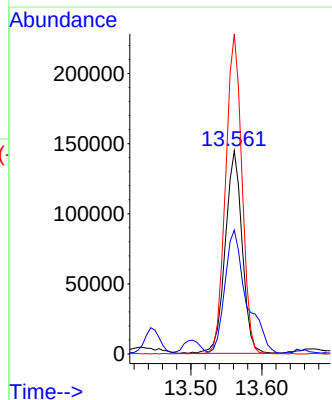
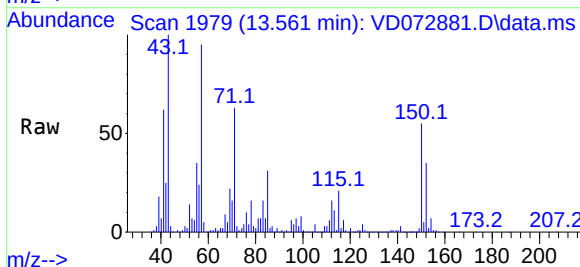
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

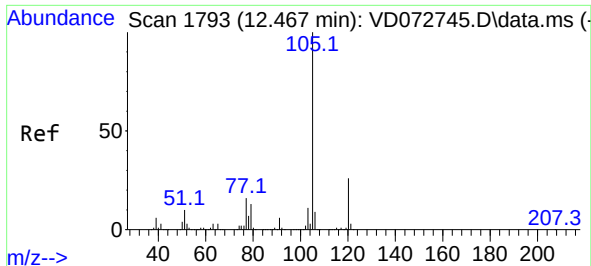
Tgt Ion:106 Resp: 909641
Ion Ratio Lower Upper
106 100
91 219.1 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion:152 Resp: 239036
Ion Ratio Lower Upper
152 100
115 77.7 31.3 93.8
150 152.3 0.0 348.6

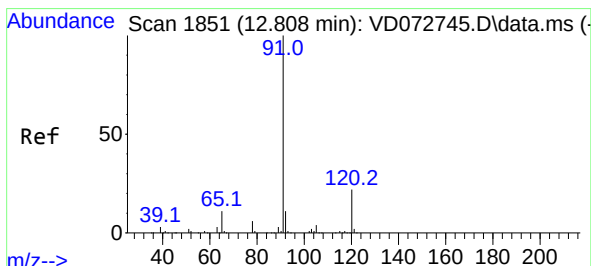
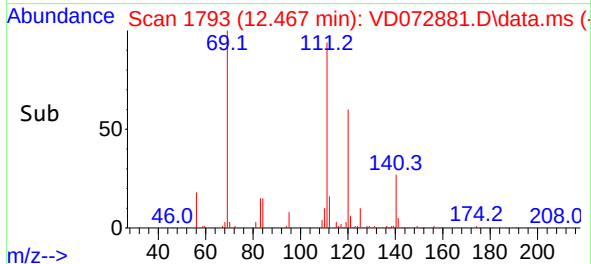
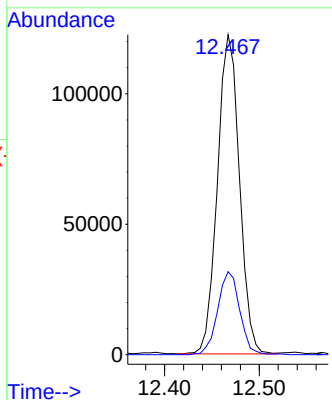
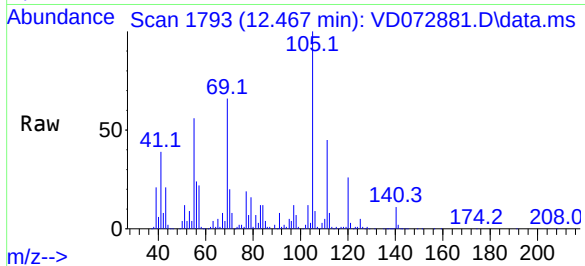




#73
Isopropylbenzene
Concen: 10.645 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

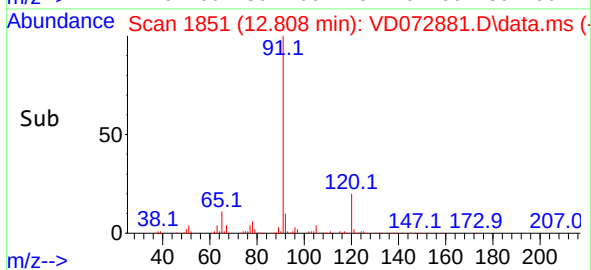
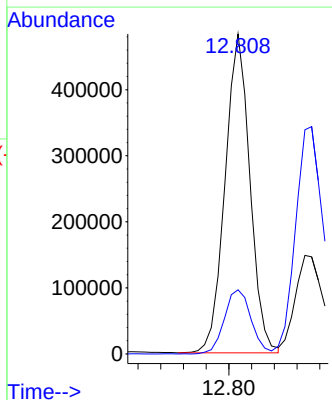
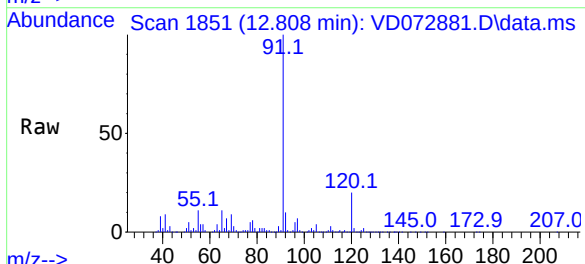
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

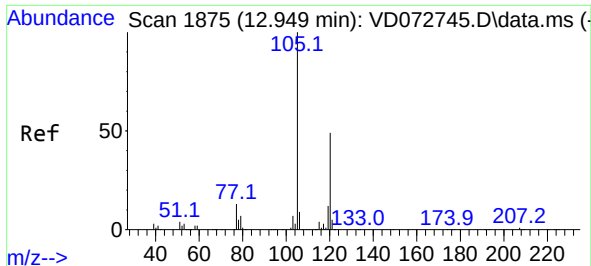
Tgt Ion:105 Resp: 197973
Ion Ratio Lower Upper
105 100
120 26.0 13.0 38.9



#78
n-propylbenzene
Concen: 31.286 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion: 91 Resp: 733328
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9

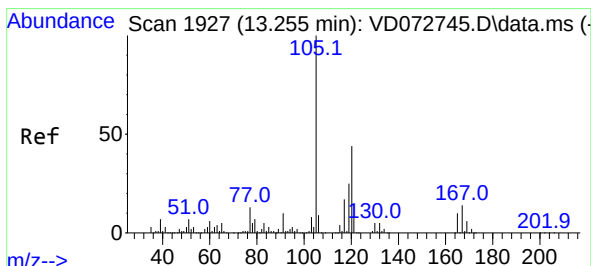
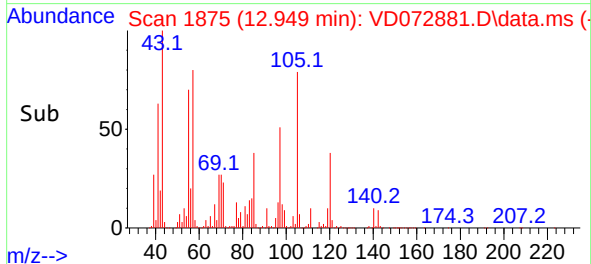
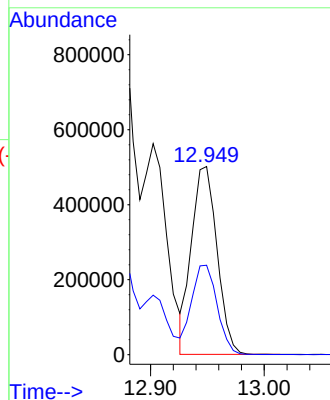
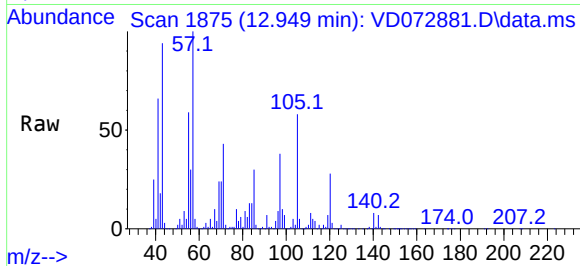




#80
1,3,5-Trimethylbenzene
Concen: 49.704 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

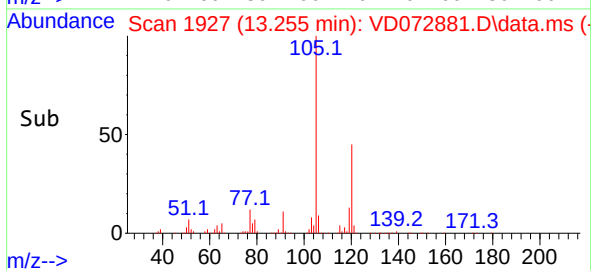
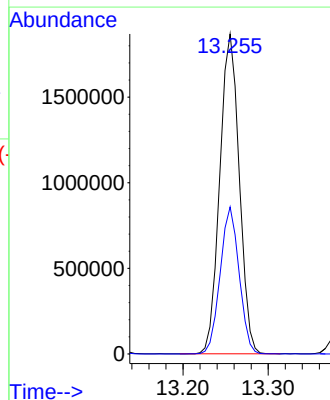
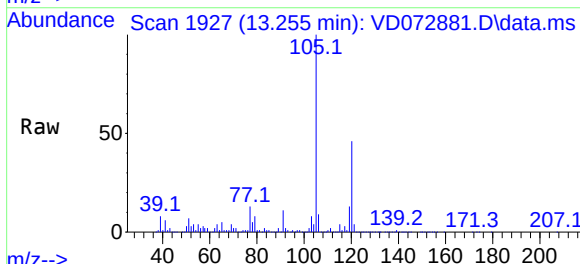
Instrument :
MSVOA_D
ClientSampleId :
TRE-1284

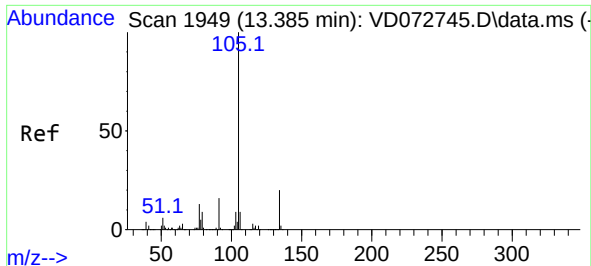
Tgt Ion:105 Resp: 783804
Ion Ratio Lower Upper
105 100
120 47.6 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 188.420 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD072881.D
Acq: 07 May 2022 06:46

Tgt Ion:105 Resp: 2970003
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.8

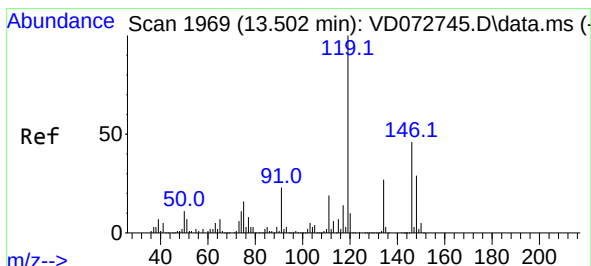
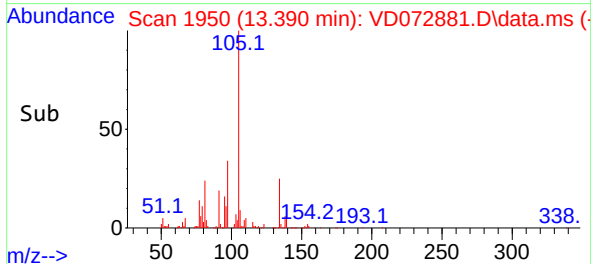
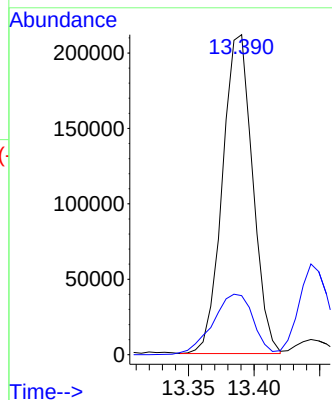
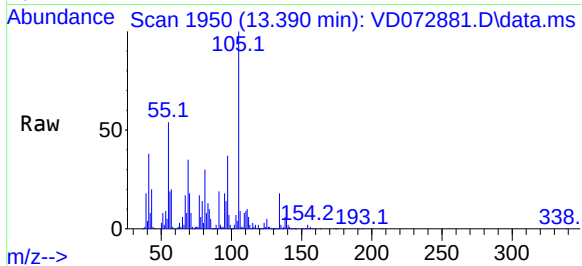




#85
 sec-Butylbenzene
 Concen: 16.749 ug/l
 RT: 13.390 min Scan# 1949
 Delta R.T. 0.005 min
 Lab File: VD072881.D
 Acq: 07 May 2022 06:46

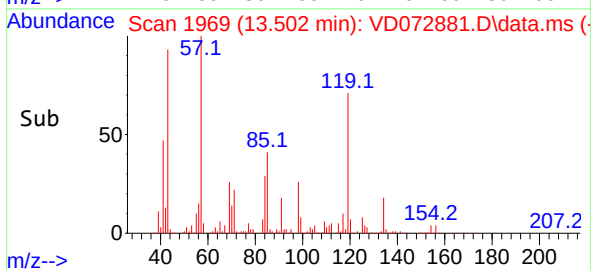
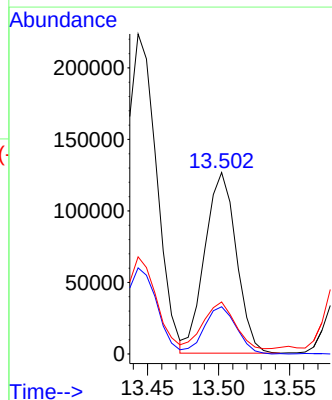
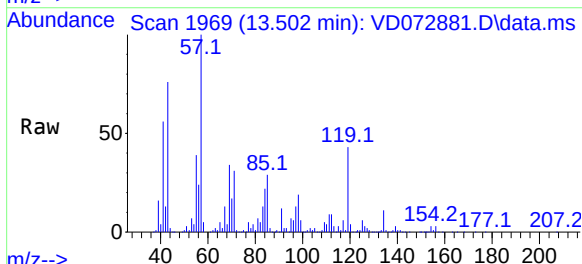
Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1284

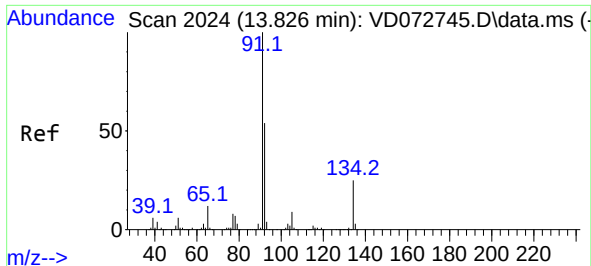
Tgt Ion:105 Resp: 338681
 Ion Ratio Lower Upper
 105 100
 134 25.4 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 11.776 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD072881.D
 Acq: 07 May 2022 06:46

Tgt Ion:119 Resp: 195240
 Ion Ratio Lower Upper
 119 100
 134 26.7 12.9 38.6
 91 25.5 12.1 36.3





#89
 n-Butylbenzene
 Concen: 37.450 ug/l
 RT: 13.826 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD072881.D
 Acq: 07 May 2022 06:46

Instrument :
 MSVOA_D
 ClientSampleId :
 TRE-1284

Tgt Ion: 91 Resp: 601444
 Ion Ratio Lower Upper
 91 100
 92 42.0 26.6 79.8
 134 0.0 12.3 36.9#

