

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010422\
 Data File : VX026272.D
 Acq On : 04 Jan 2022 15:27
 Operator : JC/MD
 Sample : M5328-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40440

Quant Time: Jan 05 06:10:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

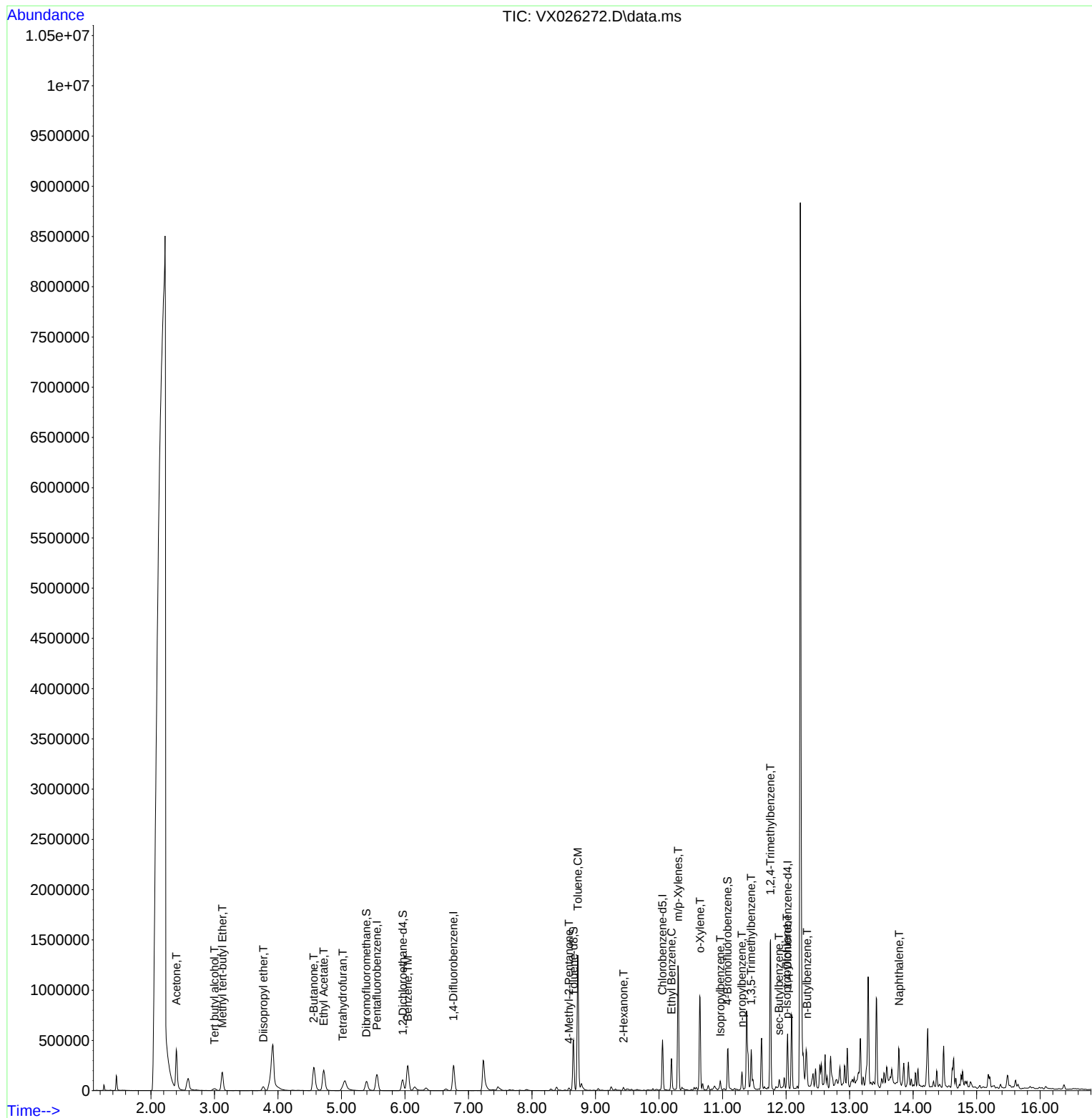
Internal Standards						
1) Pentafluorobenzene	5.556	168	143836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	245035	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	212866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104069	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107436	51.630	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.260%			
35) Dibromofluoromethane	5.391	113	78167	49.067	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.140%			
50) Toluene-d8	8.653	98	287505	48.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.040%			
62) 4-Bromofluorobenzene	11.079	95	112226	53.202	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.400%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	3.001	59	34243	82.390	ug/l	98
16) Acetone	2.398	43	458089	406.304	ug/l	95
19) Methyl tert-butyl Ether	3.123	73	199741	35.903	ug/l	99
22) Diisopropyl ether	3.769	45	42618	7.094	ug/l #	76
25) 2-Butanone	4.562	43	438169	278.993	ug/l	98
29) Tetrahydrofuran	5.019	42	24100	24.346	ug/l #	90
37) Ethyl Acetate	4.721	43	362840	121.789	ug/l	99
40) Benzene	6.043	78	291604	39.765	ug/l	98
51) 4-Methyl-2-Pentanone	8.580	43	15745	5.211	ug/l	98
52) Toluene	8.720	92	437436	96.896	ug/l	99
59) 2-Hexanone	9.439	43	16052	7.013	ug/l	98
67) Ethyl Benzene	10.195	91	174420	20.860	ug/l	97
68) m/p-Xylenes	10.299	106	273349	87.558	ug/l	92
69) o-Xylene	10.646	106	201098	65.834	ug/l	92
73) Isopropylbenzene	10.963	105	38449	4.753	ug/l	98
78) n-propylbenzene	11.305	91	100553	10.811	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	160881	23.965	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	646526m	96.386	ug/l	
85) sec-Butylbenzene	11.890	105	30749	3.782	ug/l	92
86) p-Isopropyltoluene	12.012	119	21535	3.177	ug/l	99
89) n-Butylbenzene	12.329	91	58529	9.716	ug/l #	40
95) Naphthalene	13.780	128	229603	28.546	ug/l	99

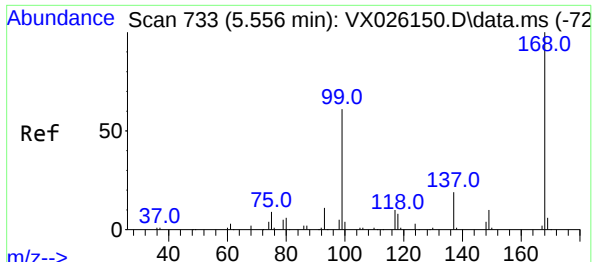
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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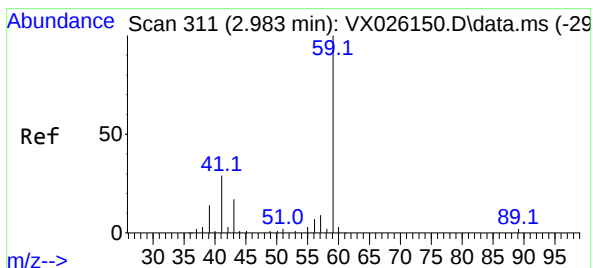
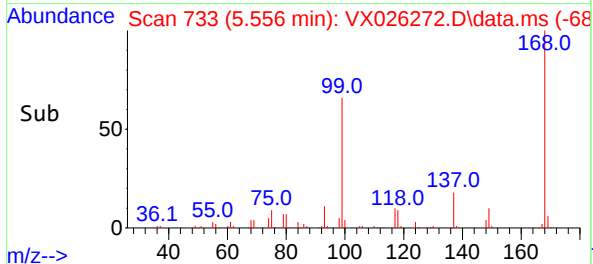
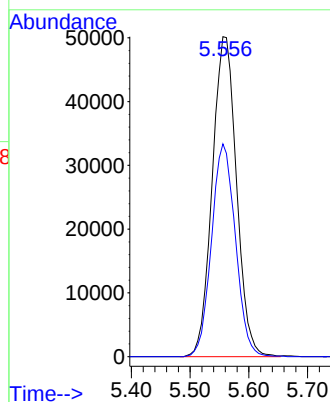
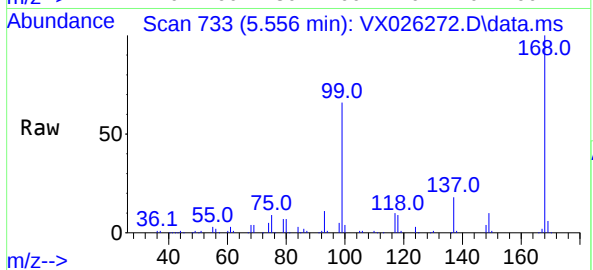




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

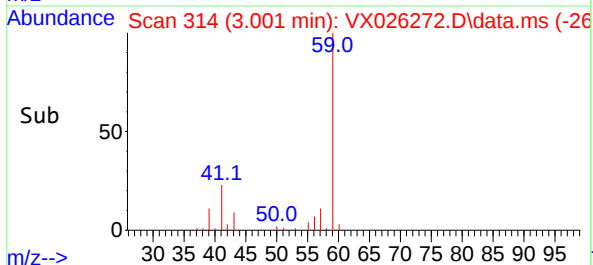
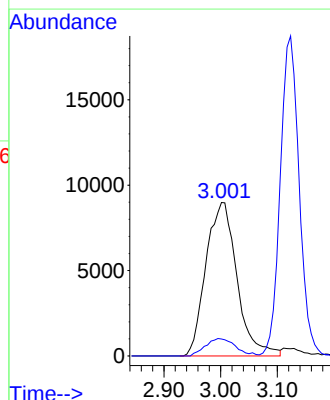
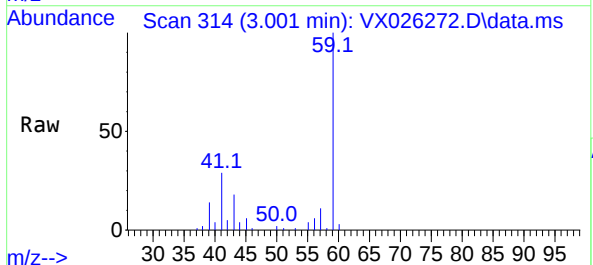
Instrument :
MSVOA_X
ClientSampleId :
40440

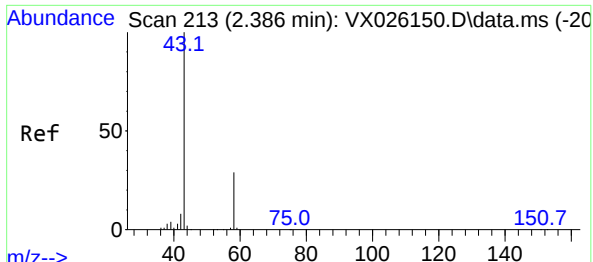
Tgt Ion:168 Resp: 143836
Ion Ratio Lower Upper
168 100
99 66.5 45.8 68.8



#11
Tert butyl alcohol
Concen: 82.390 ug/l
RT: 3.001 min Scan# 314
Delta R.T. 0.018 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 59 Resp: 34243
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.2

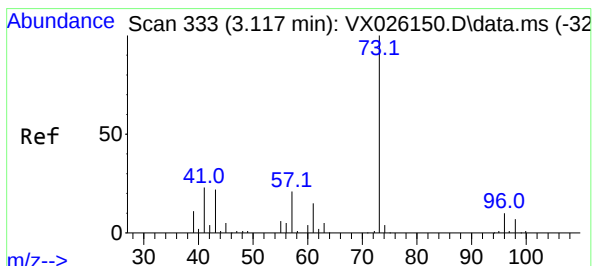
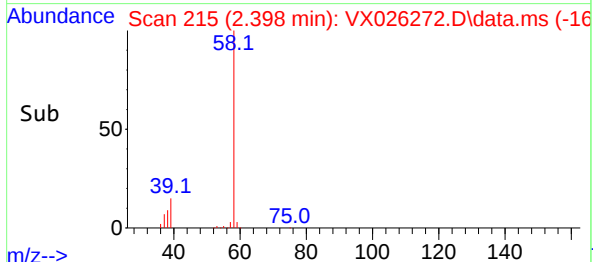
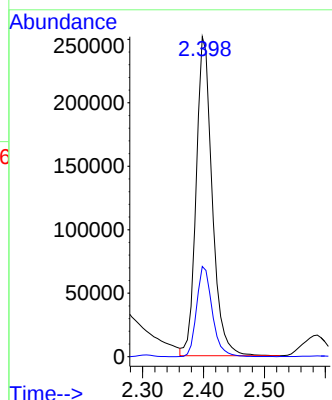
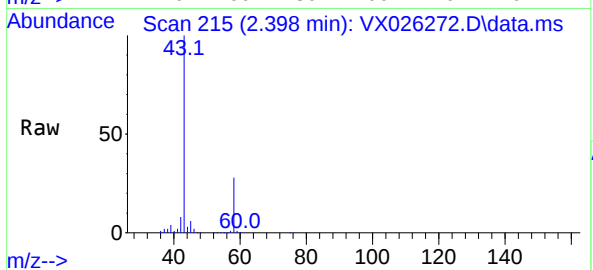




#16
Acetone
Concen: 406.304 ug/l
RT: 2.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

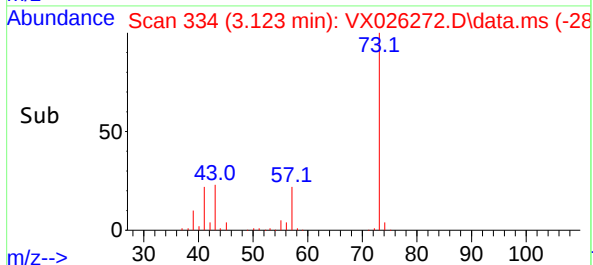
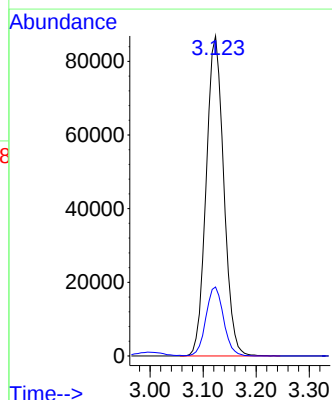
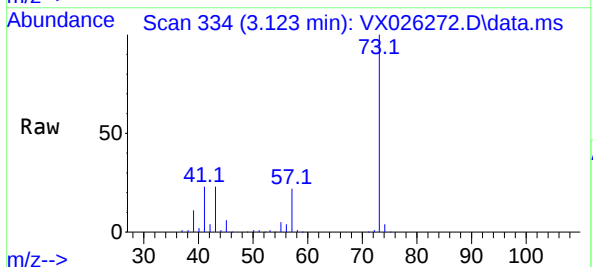
Instrument :
MSVOA_X
ClientSampleId :
40440

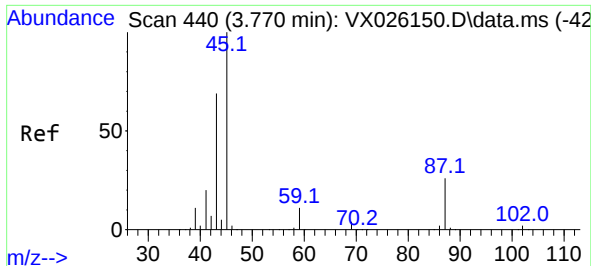
Tgt Ion: 43 Resp: 458089
Ion Ratio Lower Upper
43 100
58 28.2 24.8 37.2



#19
Methyl tert-butyl Ether
Concen: 35.903 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 73 Resp: 199741
Ion Ratio Lower Upper
73 100
57 21.6 17.0 25.6



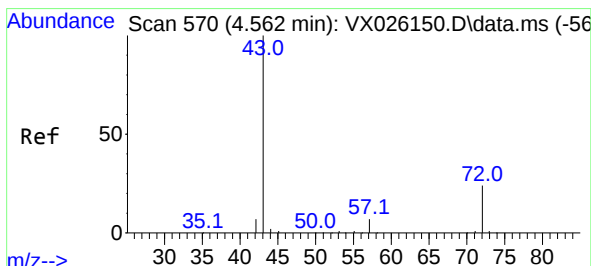
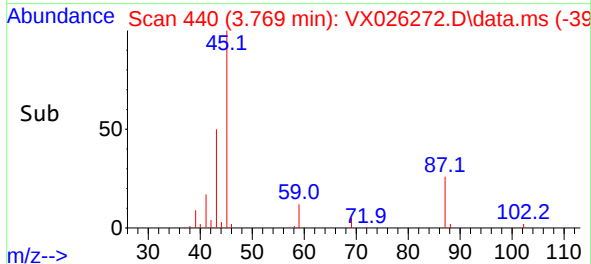
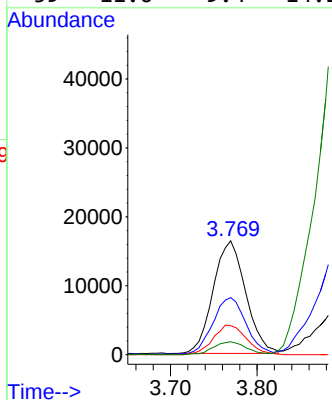
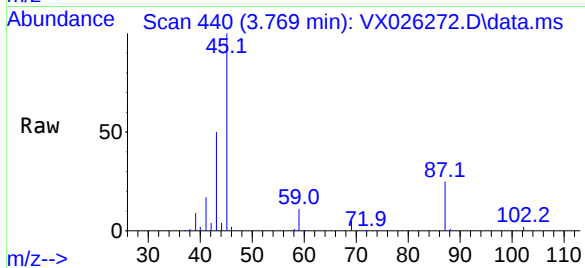


#22
Diisopropyl ether
Concen: 7.094 ug/l
RT: 3.769 min Scan# 440
Delta R.T. -0.001 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
40440

Tgt Ion: 45 Resp: 42618

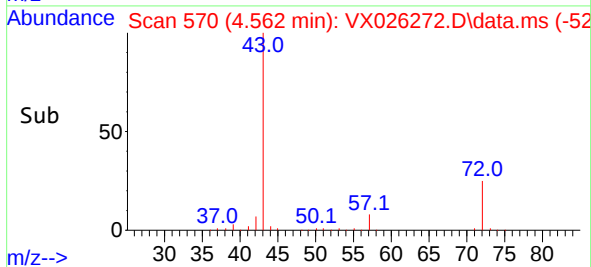
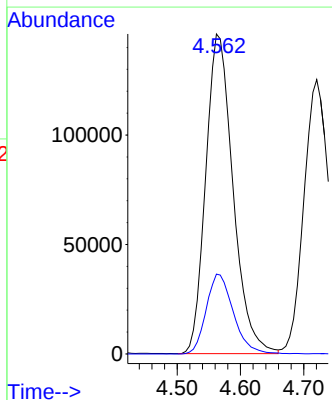
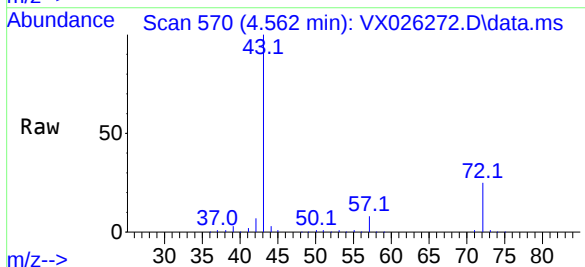
Ion	Ratio	Lower	Upper
45	100		
43	49.9	63.8	95.6#
87	25.7	24.2	36.4
59	11.6	9.4	14.2

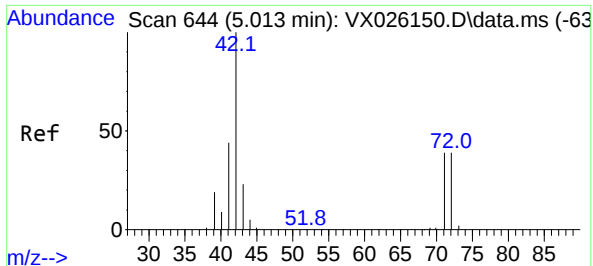


#25
2-Butanone
Concen: 278.993 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 43 Resp: 438169

Ion	Ratio	Lower	Upper
43	100		
72	25.0	21.0	31.4





#29

Tetrahydrofuran

Concen: 24.346 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX026272.D

Acq: 04 Jan 2022 15:27

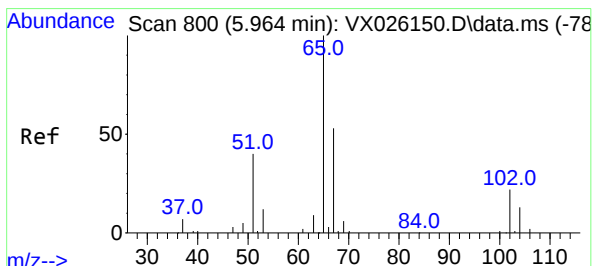
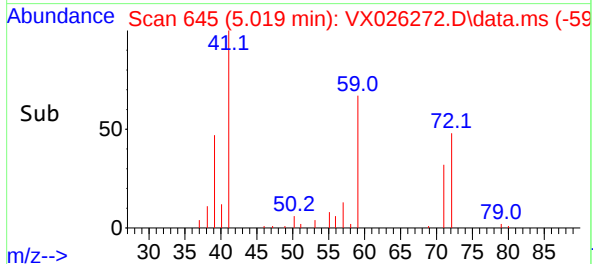
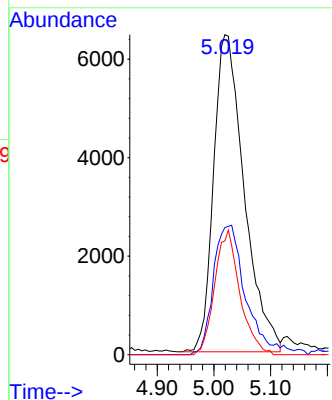
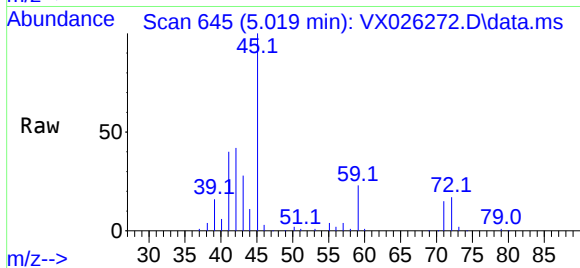
Instrument :

MSVOA_X

ClientSampleId :

40440

Tgt Ion:	42	Resp:	24100
Ion	Ratio	Lower	Upper
42	100		
72	43.0	37.0	55.6
71	32.3	34.1	51.1#



#33

1,2-Dichloroethane-d4

Concen: 51.630 ug/l

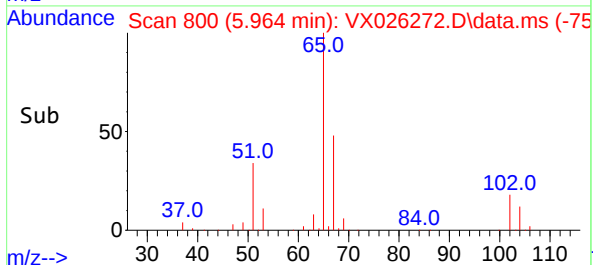
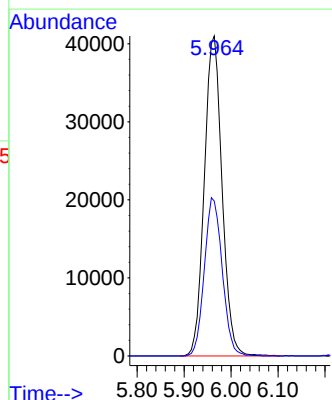
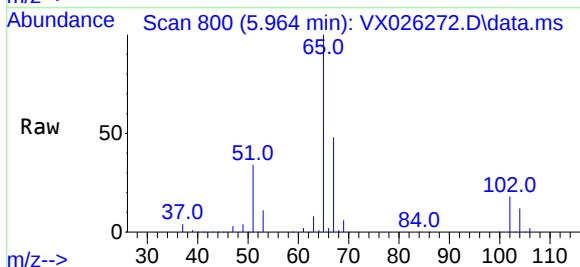
RT: 5.964 min Scan# 800

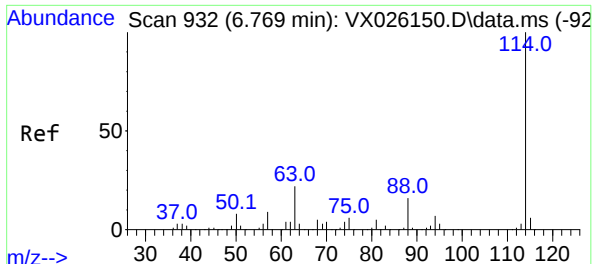
Delta R.T. 0.000 min

Lab File: VX026272.D

Acq: 04 Jan 2022 15:27

Tgt Ion:	65	Resp:	107436
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	103.4

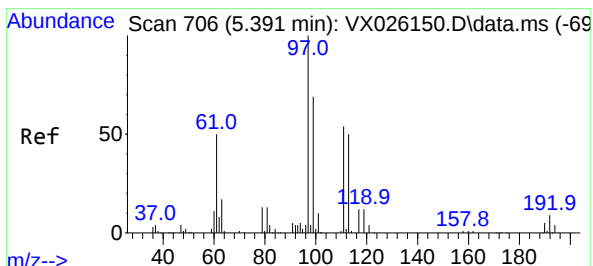
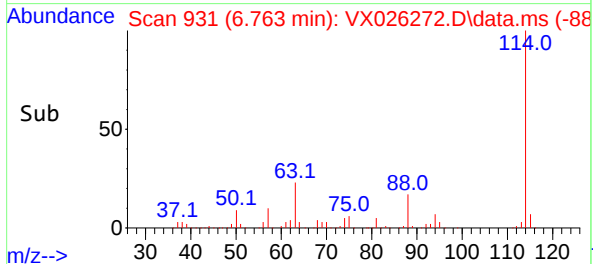
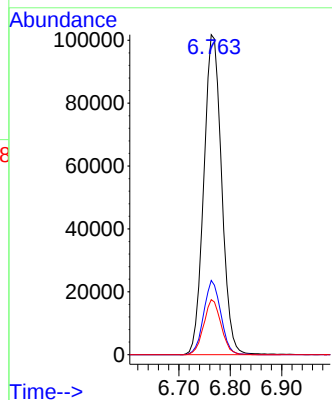
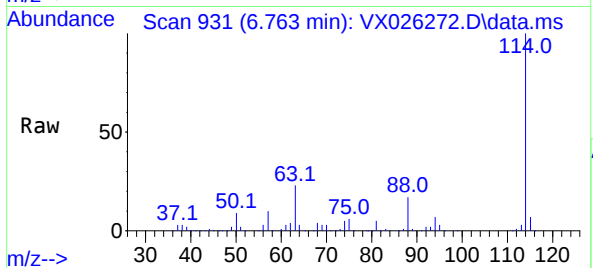




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

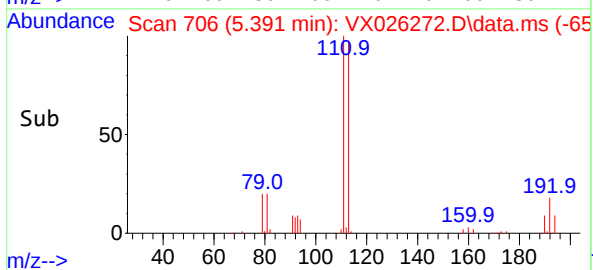
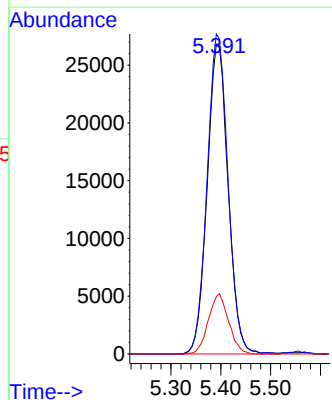
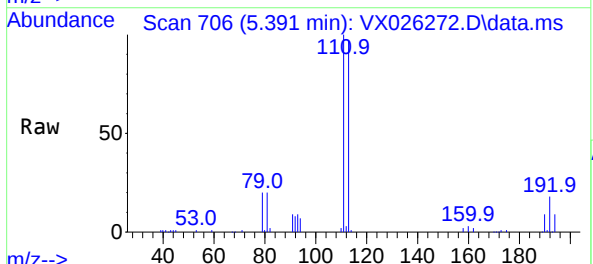
Instrument :
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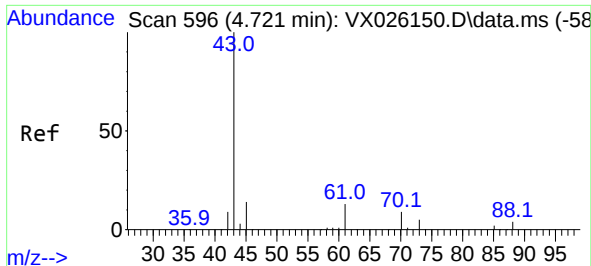
Tgt Ion:114 Resp: 245035
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.0
88 17.2 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.067 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

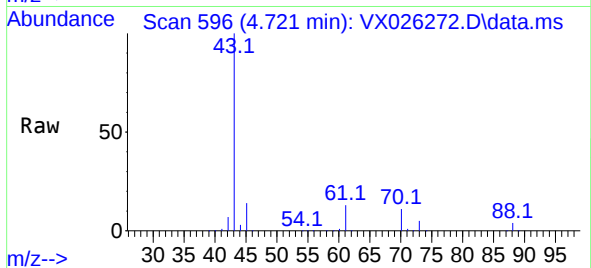
Tgt Ion:113 Resp: 78167
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 18.8 15.0 22.4



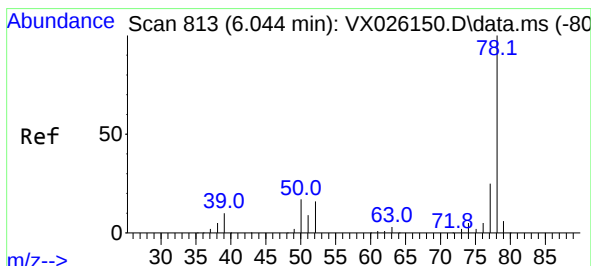
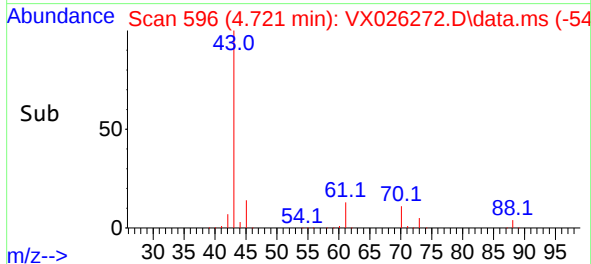
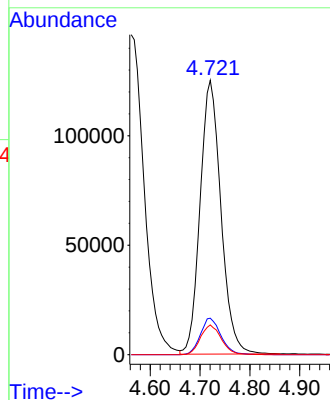


#37
Ethyl Acetate
Concen: 121.789 ug/l
RT: 4.721 min Scan# 596
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

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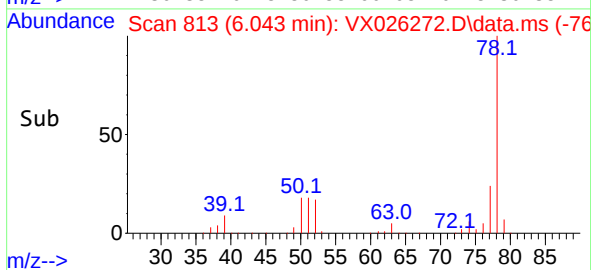
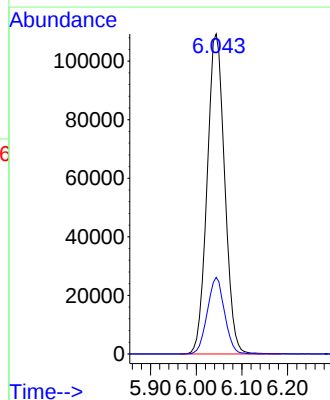
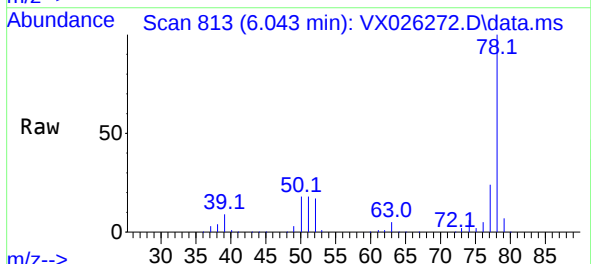


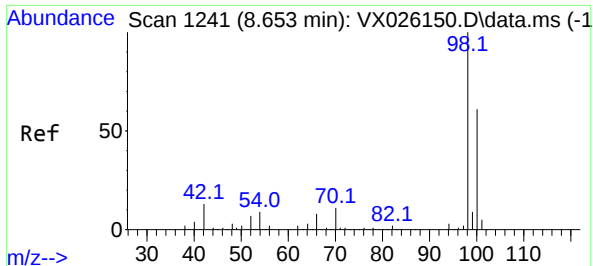
Tgt Ion: 43 Resp: 362840
Ion Ratio Lower Upper
43 100
61 13.2 10.7 16.1
70 10.9 8.5 12.7



#40
Benzene
Concen: 39.765 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 78 Resp: 291604
Ion Ratio Lower Upper
78 100
77 24.0 18.6 27.8

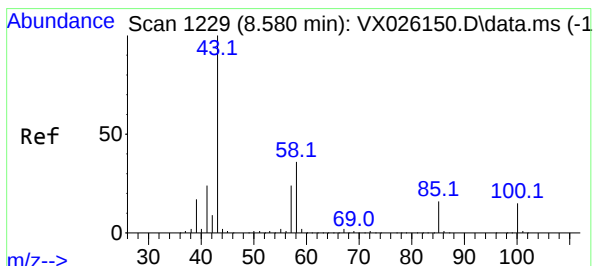
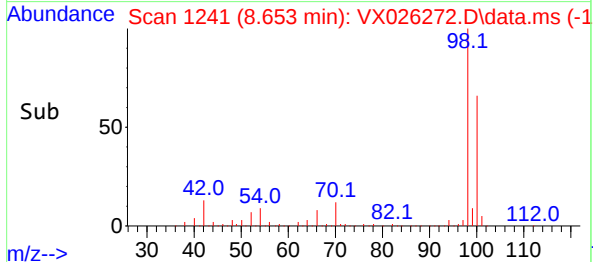
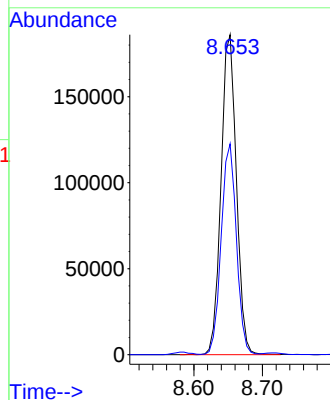
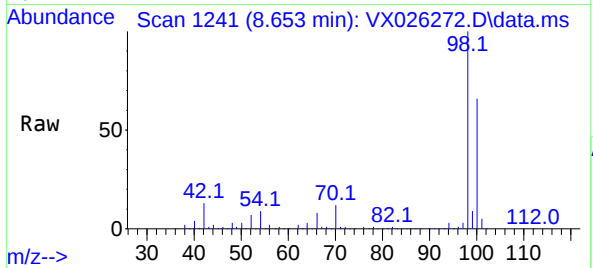




#50
Toluene-d8
Concen: 48.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

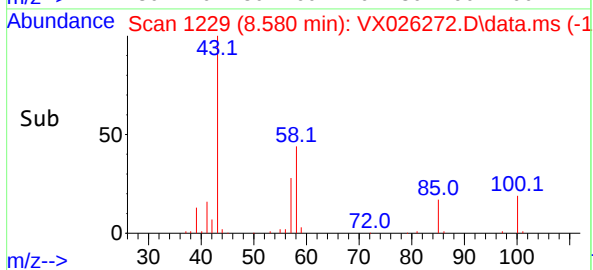
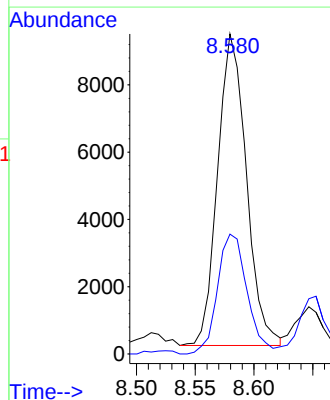
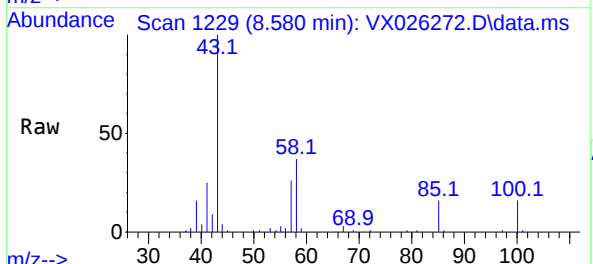
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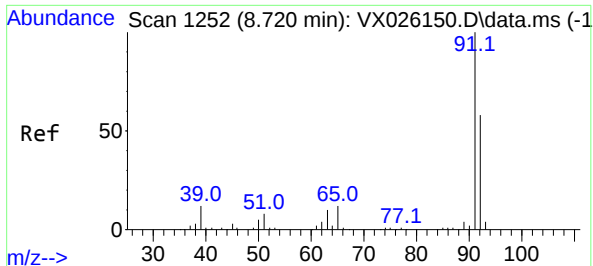
Tgt Ion: 98 Resp: 287505
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 5.211 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 43 Resp: 15745
Ion Ratio Lower Upper
43 100
58 39.5 30.8 46.2

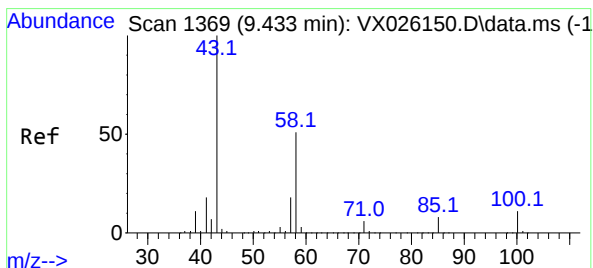
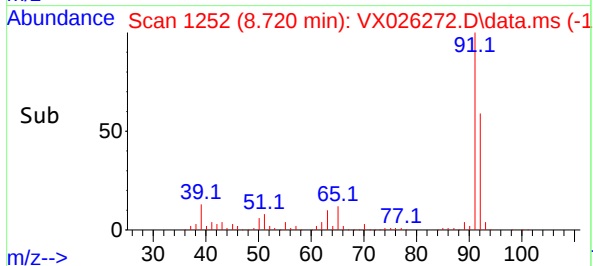
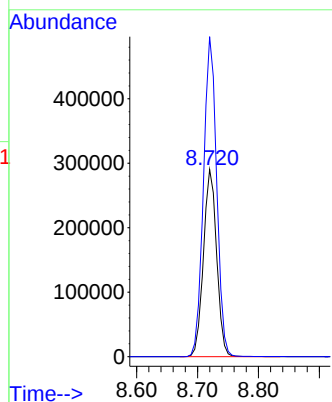
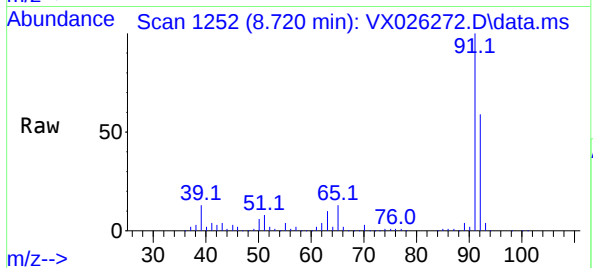




#52
Toluene
Concen: 96.896 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

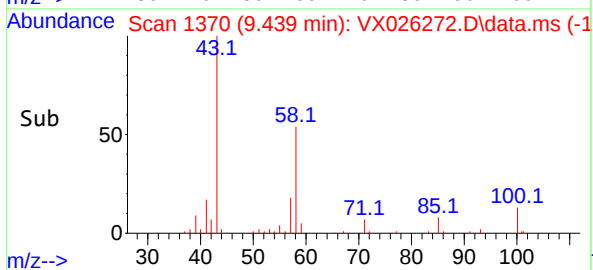
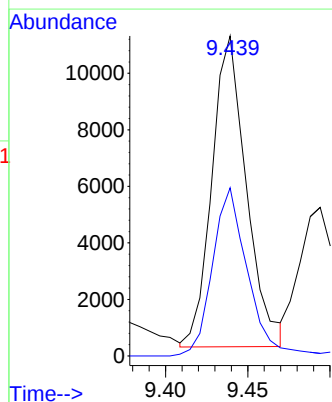
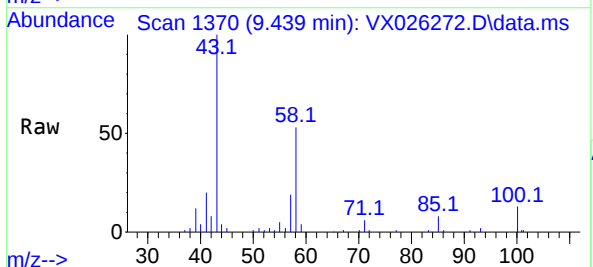
Instrument :
MSVOA_X
ClientSampleId :
40440

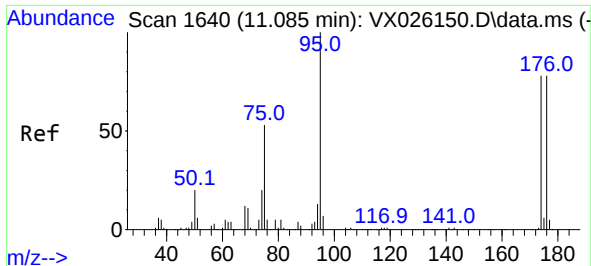
Tgt Ion: 92 Resp: 437436
Ion Ratio Lower Upper
92 100
91 171.1 136.0 204.0



#59
2-Hexanone
Concen: 7.013 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 43 Resp: 16052
Ion Ratio Lower Upper
43 100
58 54.9 26.9 80.6

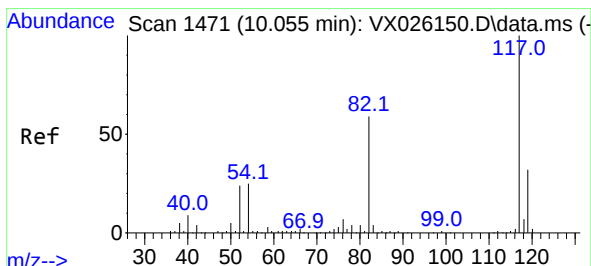
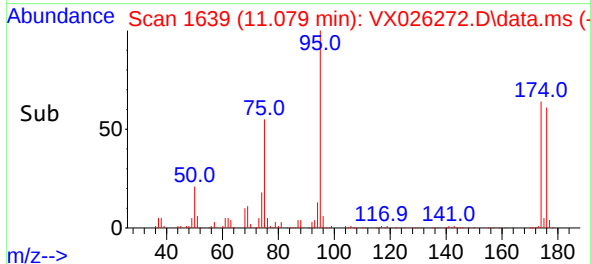
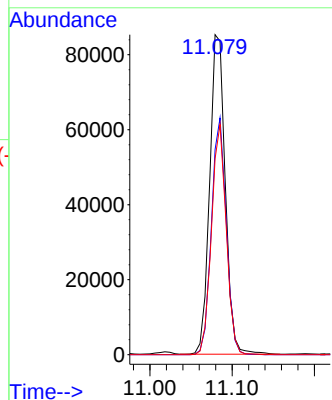
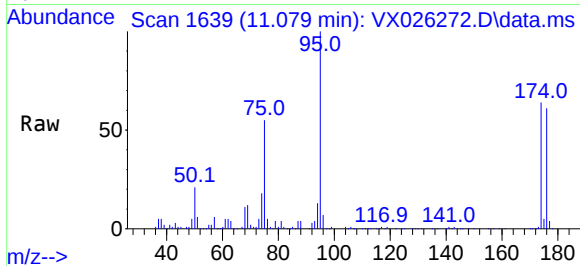




#62
4-Bromofluorobenzene
Concen: 53.202 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

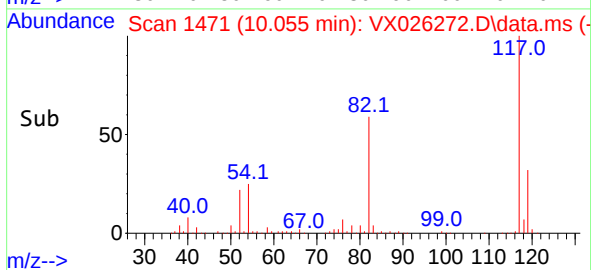
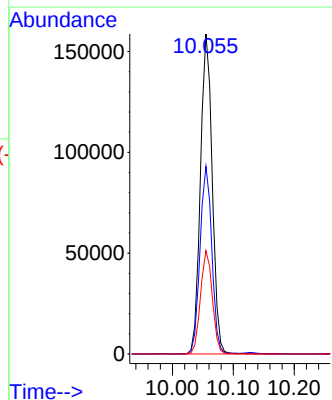
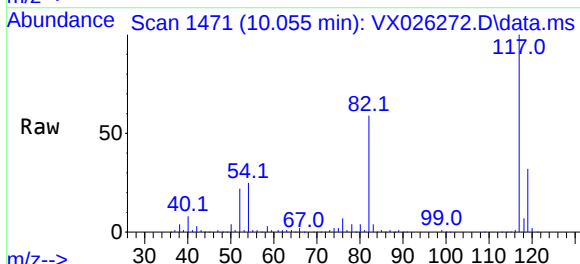
Instrument :
MSVOA_X
ClientSampleId :
40440

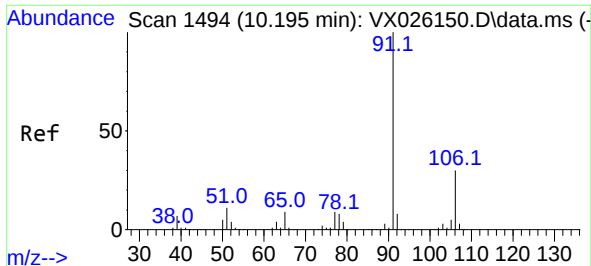
Tgt Ion: 95 Resp: 112226
Ion Ratio Lower Upper
95 100
174 70.3 0.0 157.4
176 68.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 117 Resp: 212866
Ion Ratio Lower Upper
117 100
82 58.6 43.8 65.6
119 32.3 25.2 37.8

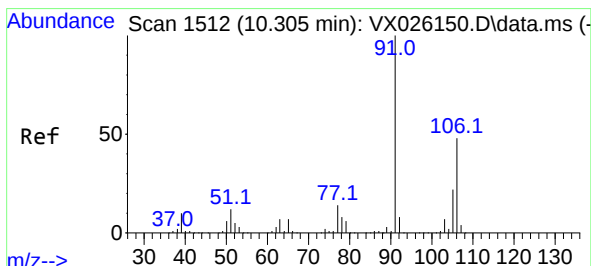
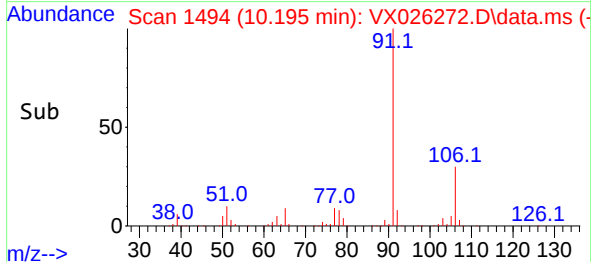
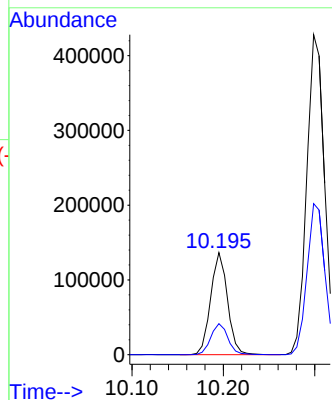
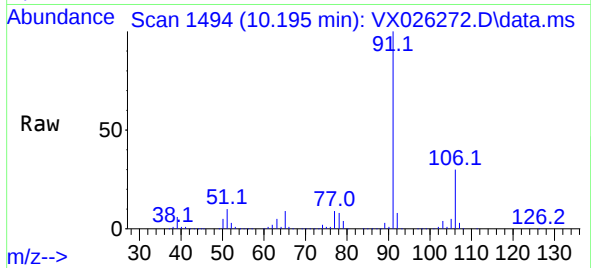




#67
Ethyl Benzene
Concen: 20.860 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

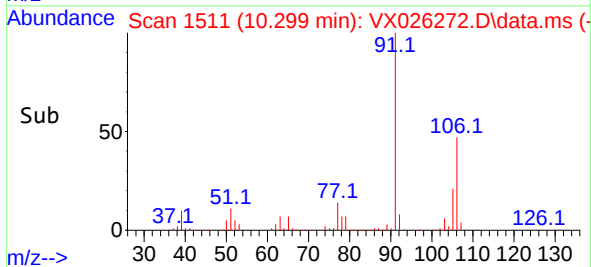
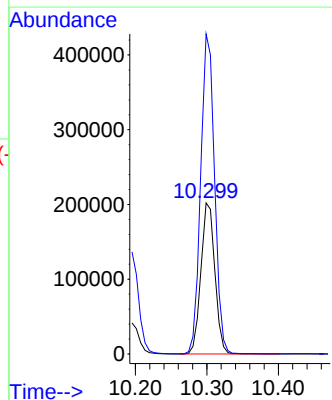
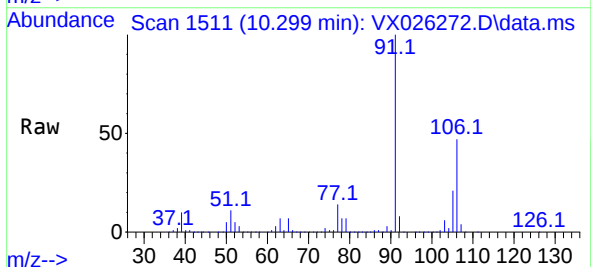
Instrument :
MSVOA_X
ClientSampleId :
40440

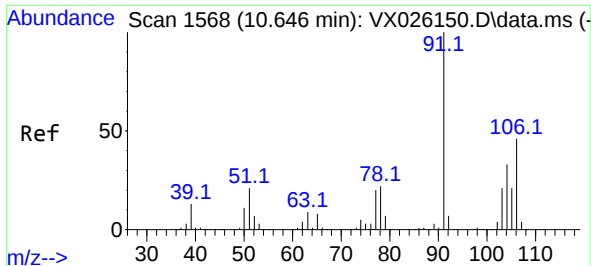
Tgt Ion: 91 Resp: 174420
Ion Ratio Lower Upper
91 100
106 30.4 25.7 38.5



#68
m/p-Xylenes
Concen: 87.558 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 106 Resp: 273349
Ion Ratio Lower Upper
106 100
91 210.8 158.6 238.0

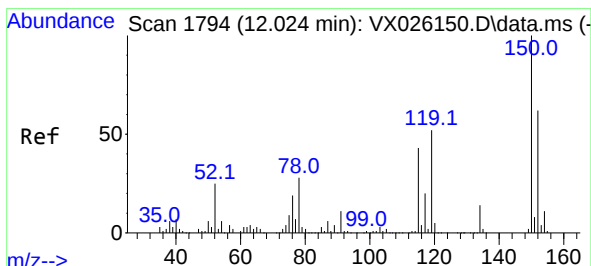
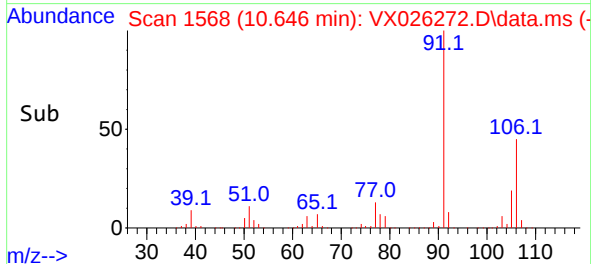
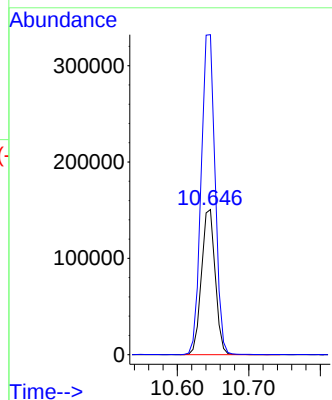
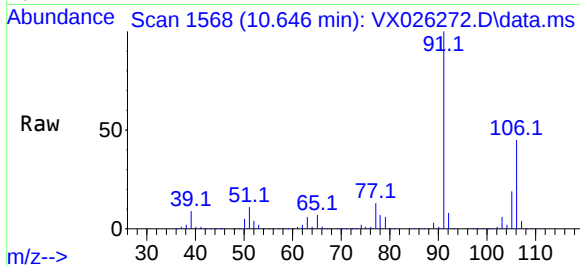




#69
o-Xylene
Concen: 65.834 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

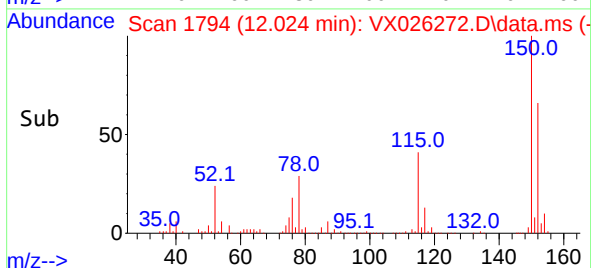
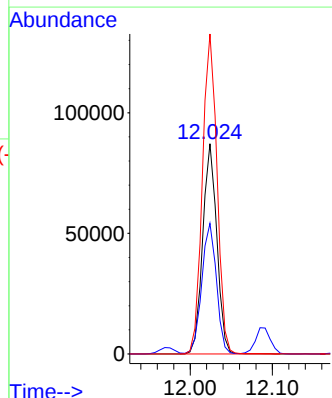
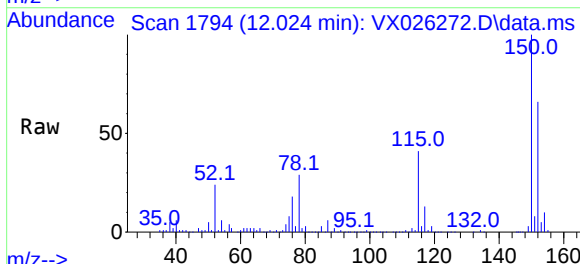
Instrument :
MSVOA_X
ClientSampleId :
40440

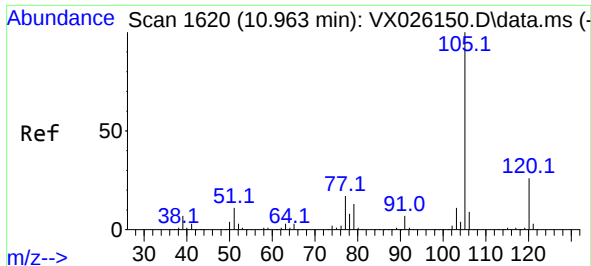
Tgt Ion:106 Resp: 201098
Ion Ratio Lower Upper
106 100
91 224.0 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion:152 Resp: 104069
Ion Ratio Lower Upper
152 100
115 64.4 41.3 123.9
150 157.4 0.0 351.8

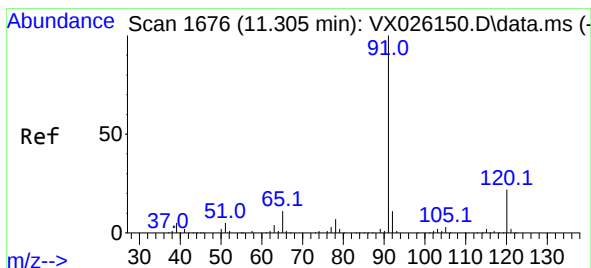
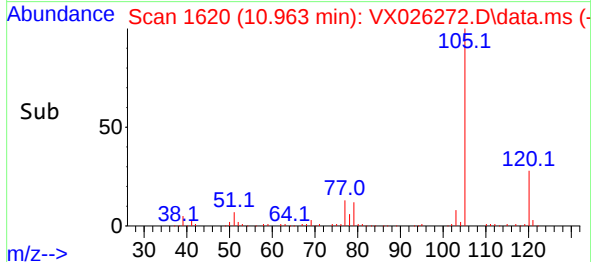
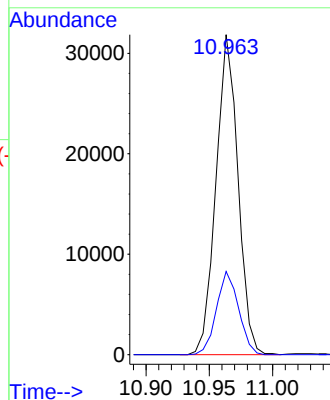
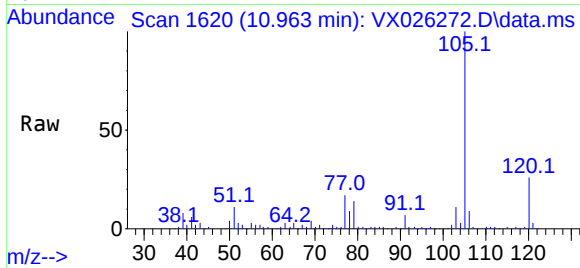




#73
Isopropylbenzene
Concen: 4.753 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

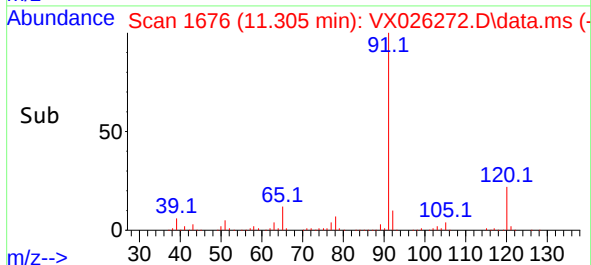
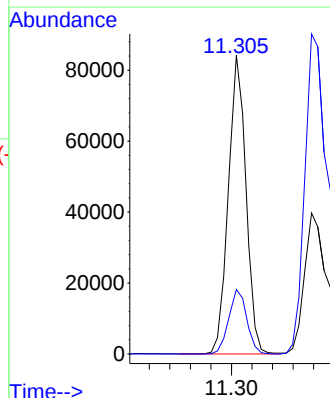
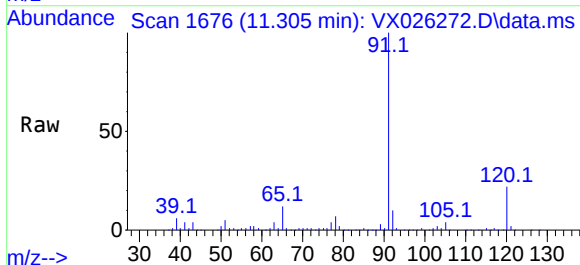
Instrument :
MSVOA_X
ClientSampleId :
40440

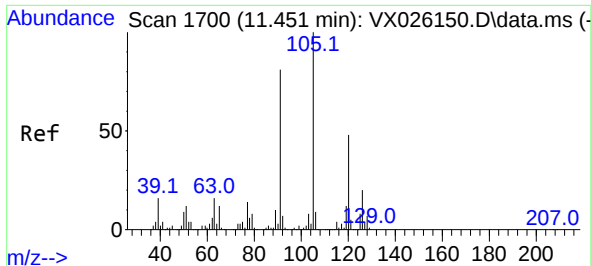
Tgt Ion:105 Resp: 38449
Ion Ratio Lower Upper
105 100
120 26.1 13.6 40.7



#78
n-propylbenzene
Concen: 10.811 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion: 91 Resp: 100553
Ion Ratio Lower Upper
91 100
120 22.0 12.0 36.1

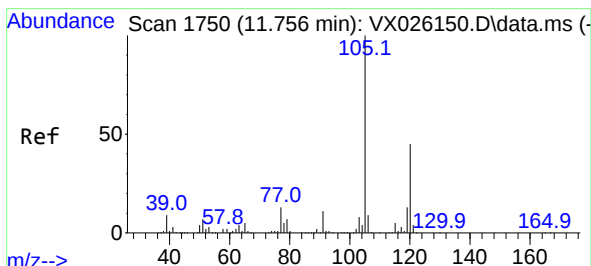
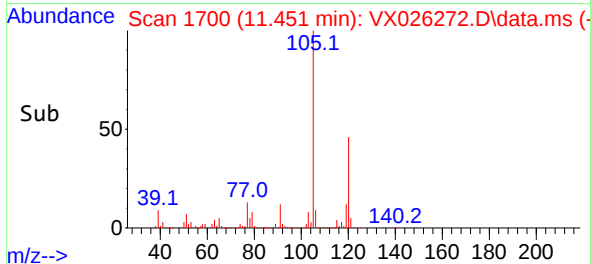
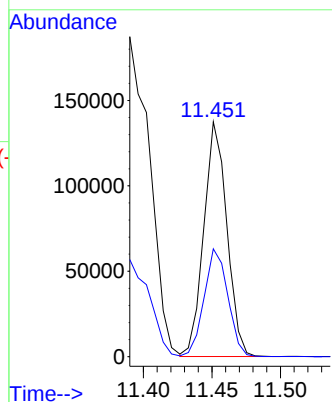
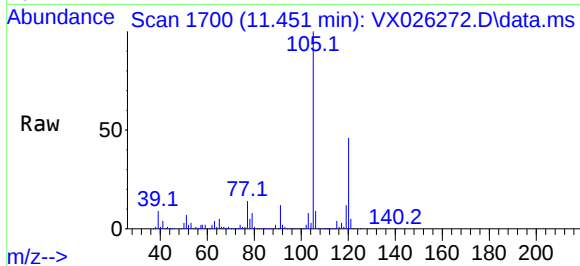




#80
1,3,5-Trimethylbenzene
Concen: 23.965 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

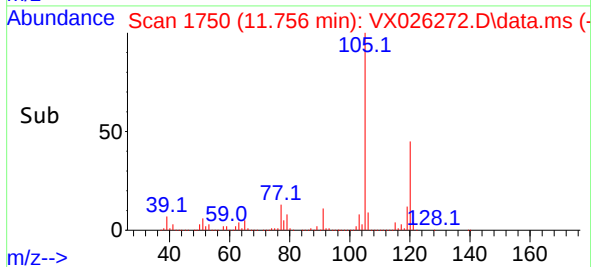
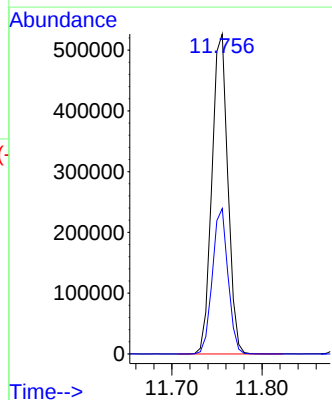
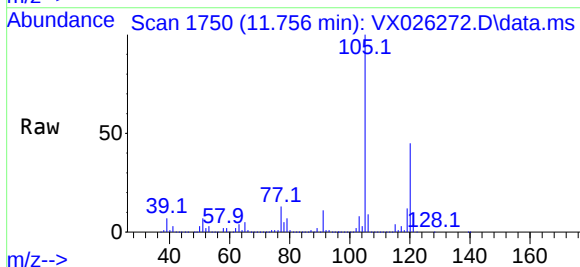
Instrument :
MSVOA_X
ClientSampleId :
40440

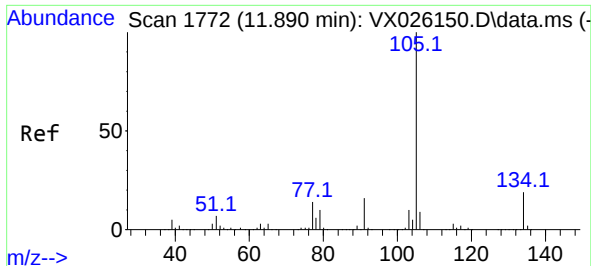
Tgt Ion:105 Resp: 160881
Ion Ratio Lower Upper
105 100
120 47.5 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 96.386 ug/l m
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion:105 Resp: 646526
Ion Ratio Lower Upper
105 100
120 0.0 22.9 68.7#

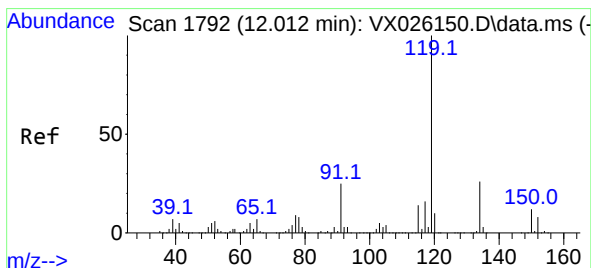
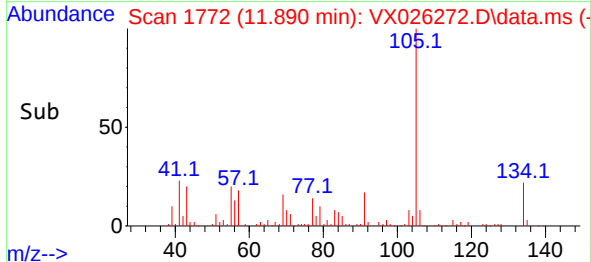
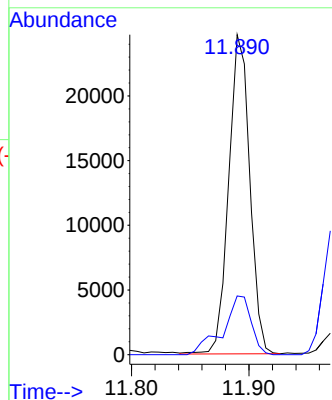
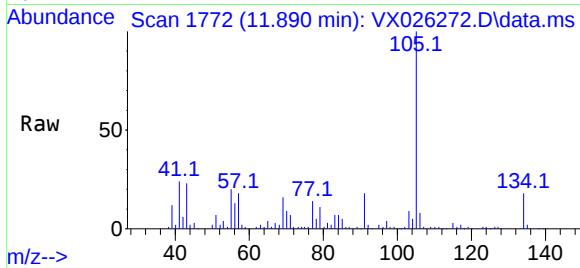




#85
sec-Butylbenzene
Concen: 3.782 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

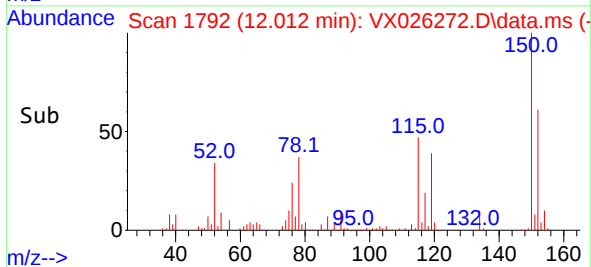
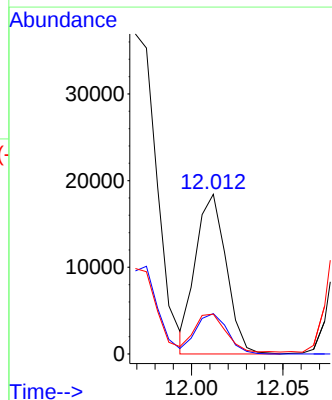
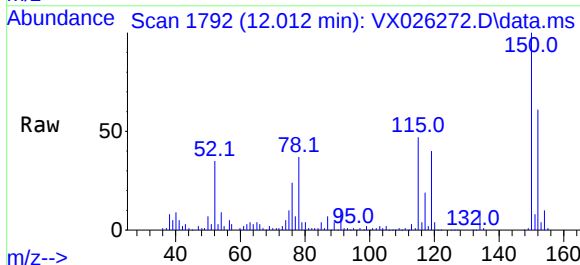
Instrument :
MSVOA_X
ClientSampleId :
40440

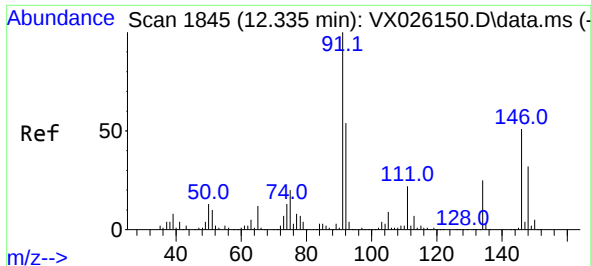
Tgt Ion:105 Resp: 30749
Ion Ratio Lower Upper
105 100
134 24.6 10.4 31.1



#86
p-Isopropyltoluene
Concen: 3.177 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

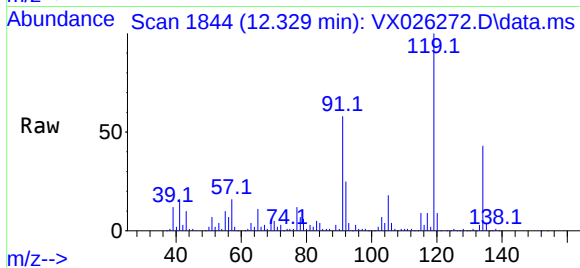
Tgt Ion:119 Resp: 21535
Ion Ratio Lower Upper
119 100
134 26.0 13.2 39.6
91 24.2 11.9 35.9



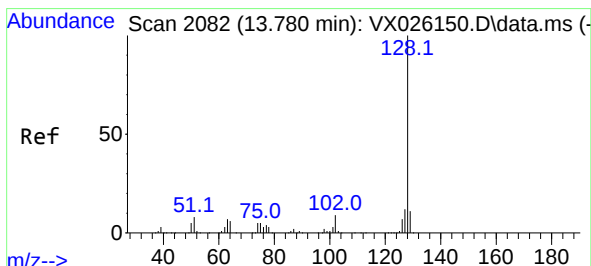
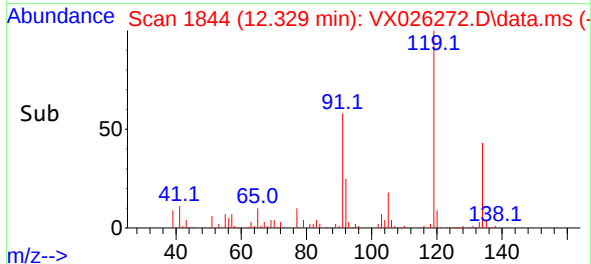
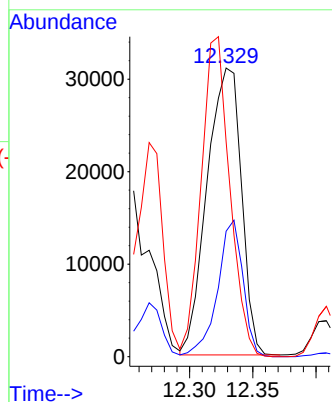


#89
n-Butylbenzene
Concen: 9.716 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
40440



Tgt Ion: 91 Resp: 58529
Ion Ratio Lower Upper
91 100
92 35.4 27.3 81.8
134 92.9 13.5 40.4#



#95
Naphthalene
Concen: 28.546 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026272.D
Acq: 04 Jan 2022 15:27

Tgt Ion:128 Resp: 229603
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.5 8.8 13.2

