

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026331.D
 Acq On : 05 Jan 2022 18:42
 Operator : JC/MD
 Sample : M5336-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40566

Quant Time: Jan 06 03:11:20 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)

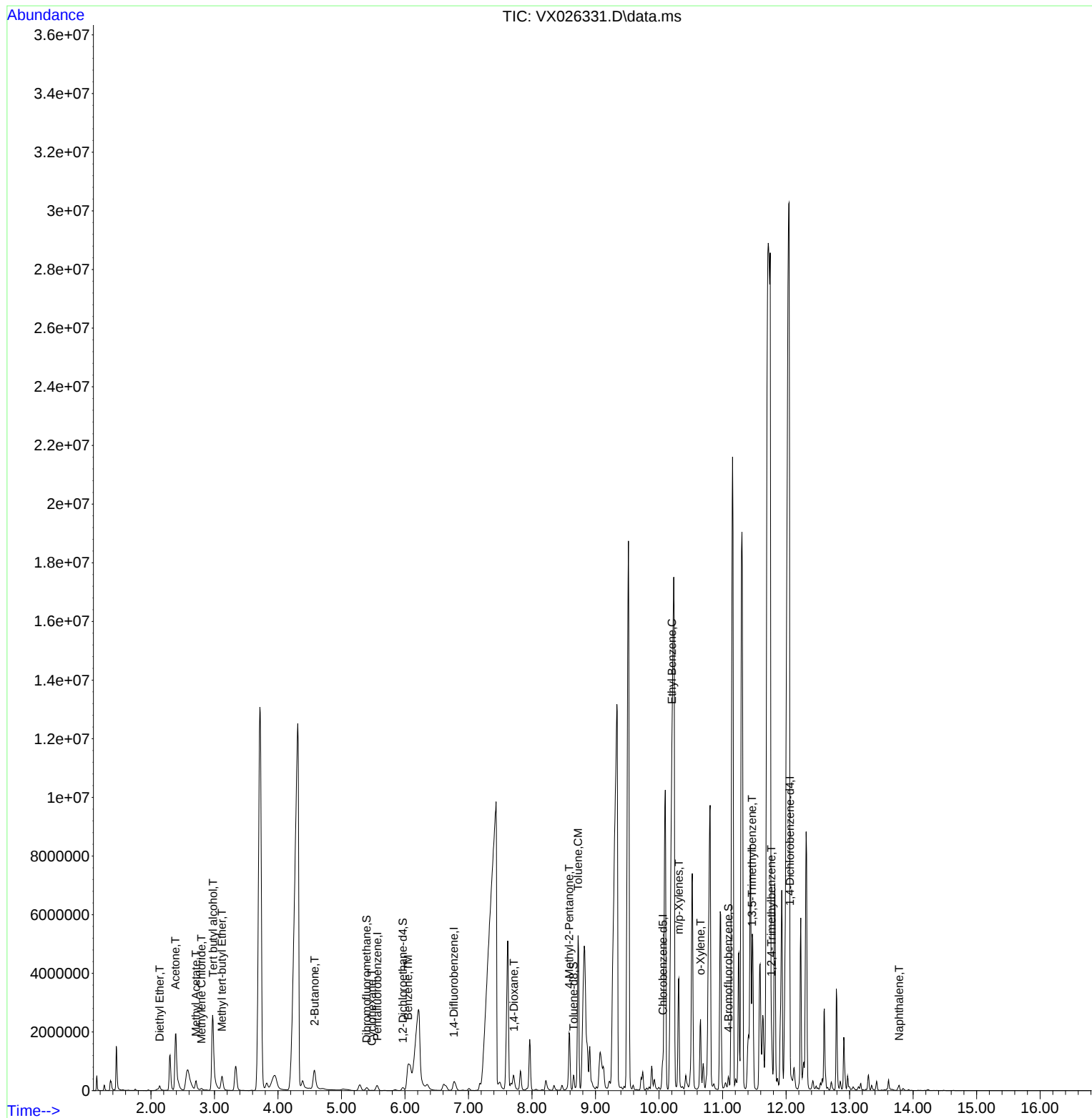
Internal Standards						
1) Pentafluorobenzene	5.562	168	157069	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	260190	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	226809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.060	152	86373m	50.000	ug/l	0.04
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108869	47.911	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.820%		
35) Dibromofluoromethane	5.397	113	83924	49.613	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.220%		
50) Toluene-d8	8.653	98	306610	48.730	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.460%		
62) 4-Bromofluorobenzene	11.091	95	120712	53.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.780%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.135	74	39874	33.342	ug/l #	1
11) Tert butyl alcohol	2.977	59	922947	2033.559	ug/l #	93
16) Acetone	2.385	43	2802206	2276.033	ug/l	97
18) Methyl Acetate	2.708	43	389274	97.477	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	529545	87.166	ug/l	98
20) Methylene Chloride	2.794	84	21675	10.259	ug/l	95
25) 2-Butanone	4.574	43	1140127	664.786	ug/l	98
31) Cyclohexane	5.476	56	5652	1.747	ug/l #	87
40) Benzene	6.049	78	959279	123.194	ug/l	99
49) 1,4-Dioxane	7.714	88	270296	5931.722	ug/l	97
51) 4-Methyl-2-Pentanone	8.585	43	1255196	391.209	ug/l	98
52) Toluene	8.726	92	1989721	415.071	ug/l	97
67) Ethyl Benzene	10.201	91	323285	36.288	ug/l	97
68) m/p-Xylenes	10.311	106	911919	274.144	ug/l	96
69) o-Xylene	10.652	106	472114	145.057	ug/l	95
80) 1,3,5-Trimethylbenzene	11.463	105	266100	47.760	ug/l	98
84) 1,2,4-Trimethylbenzene	11.768	105	1018920	183.025	ug/l	88
95) Naphthalene	13.780	128	96621	14.474	ug/l	98

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

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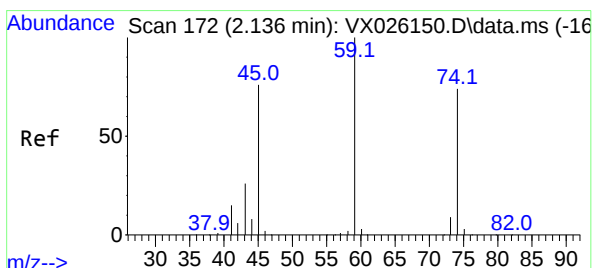
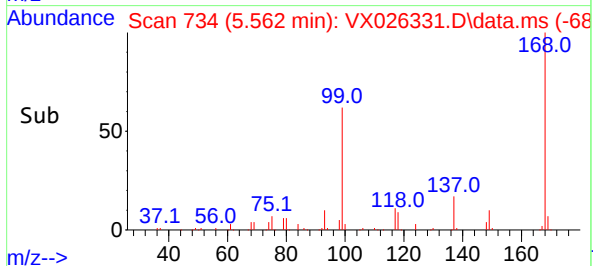
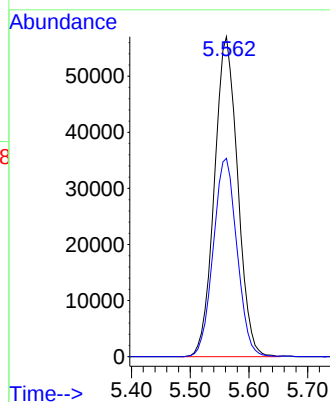
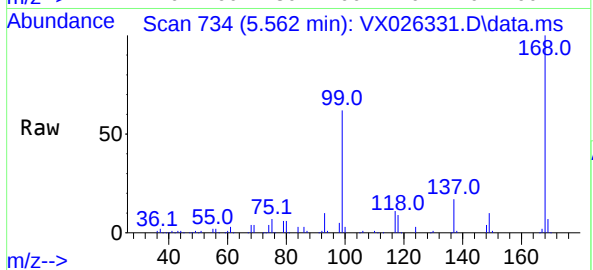




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

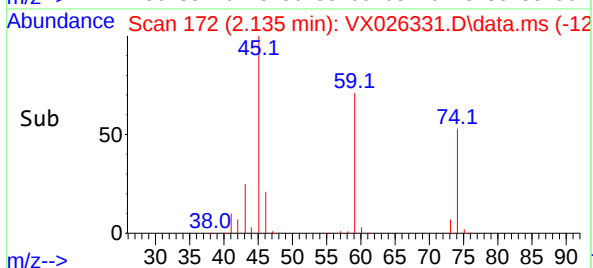
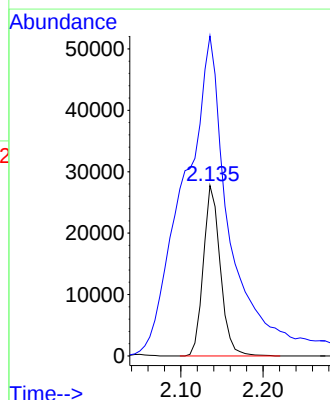
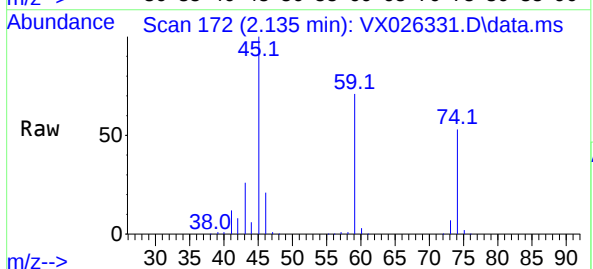
Instrument :
MSVOA_X
ClientSampleId :
40566

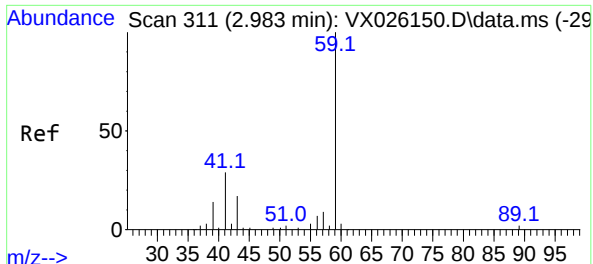
Tgt Ion:168 Resp: 157069
Ion Ratio Lower Upper
168 100
99 62.0 45.8 68.8



#8
Diethyl Ether
Concen: 33.342 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.001 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 74 Resp: 39874
Ion Ratio Lower Upper
74 100
45 530.6 50.4 151.2#





#11

Tert butyl alcohol

Concen: 2033.559 ug/l

RT: 2.977 min Scan# 311

Delta R.T. -0.006 min

Lab File: VX026331.D

Acq: 05 Jan 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

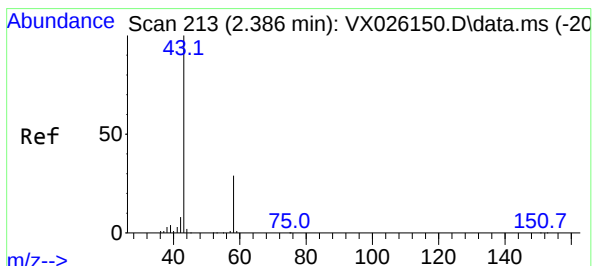
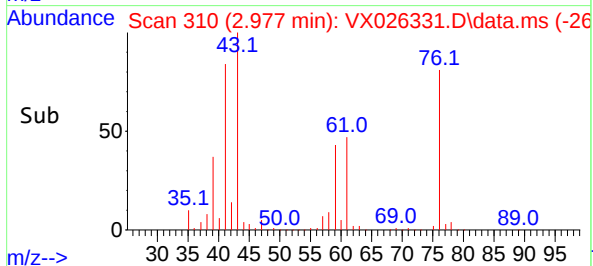
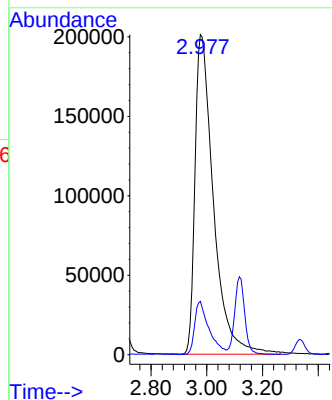
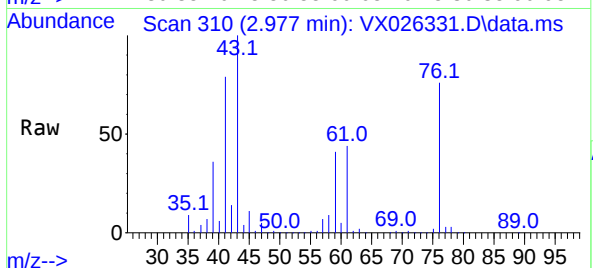
40566

Tgt Ion: 59 Resp: 922947

Ion Ratio Lower Upper

59 100

57 12.9 8.2 12.2#



#16

Acetone

Concen: 2276.033 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX026331.D

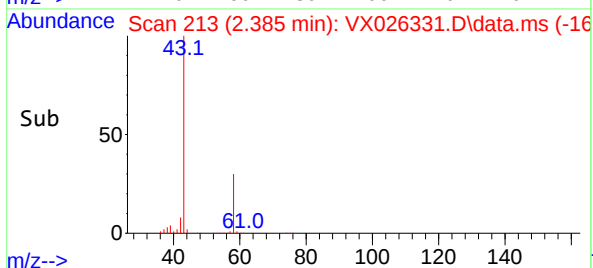
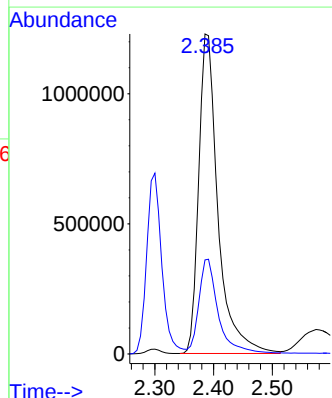
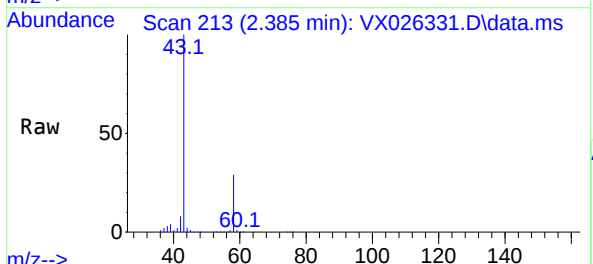
Acq: 05 Jan 2022 18:42

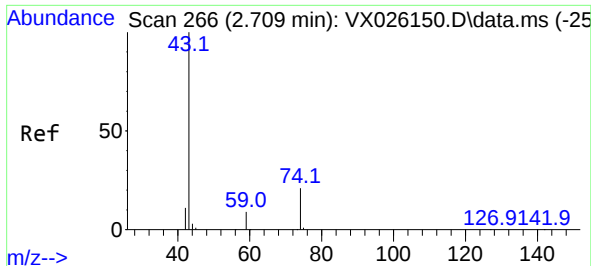
Tgt Ion: 43 Resp: 2802206

Ion Ratio Lower Upper

43 100

58 29.1 24.8 37.2

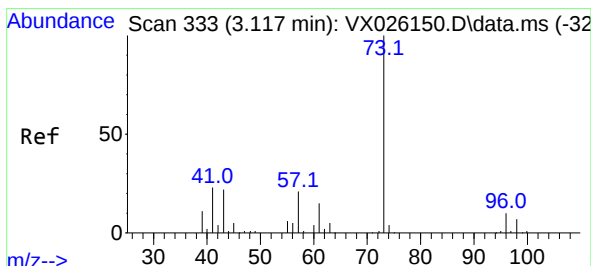
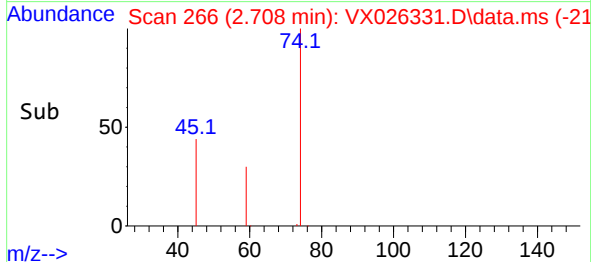
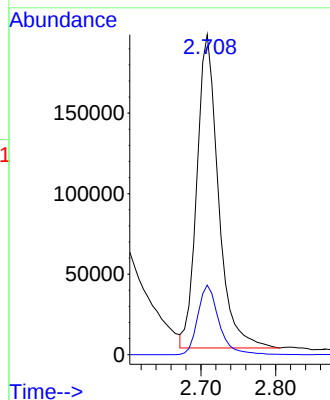
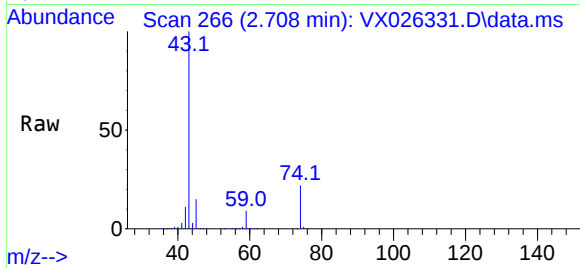




#18
Methyl Acetate
Concen: 97.477 ug/l
RT: 2.708 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

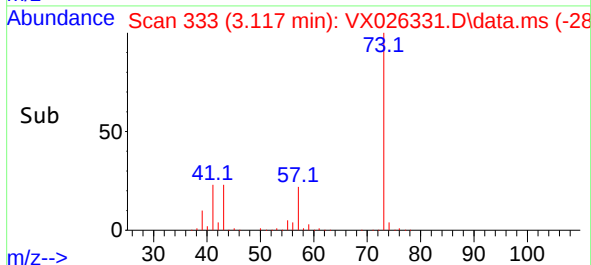
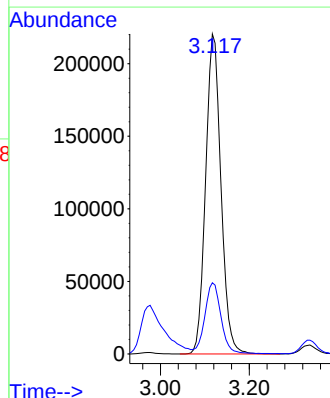
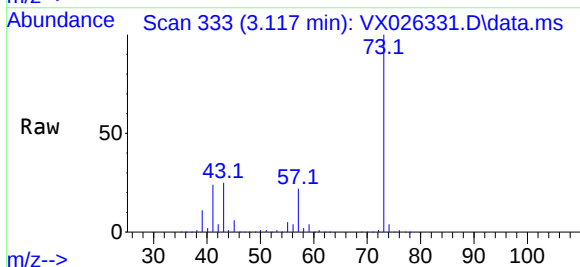
Instrument :
MSVOA_X
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40566

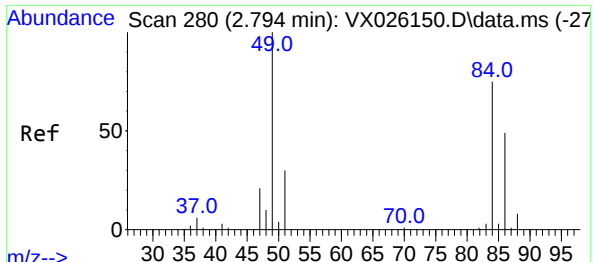
Tgt Ion: 43 Resp: 389274
Ion Ratio Lower Upper
43 100
74 21.9 19.1 28.7



#19
Methyl tert-butyl Ether
Concen: 87.166 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 73 Resp: 529545
Ion Ratio Lower Upper
73 100
57 22.1 17.0 25.6

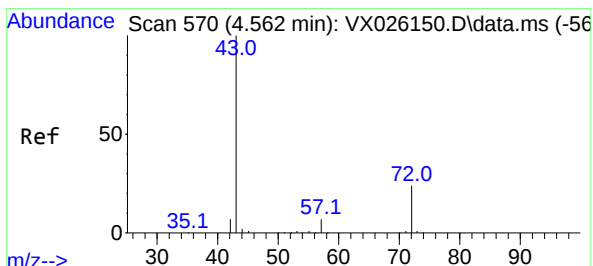
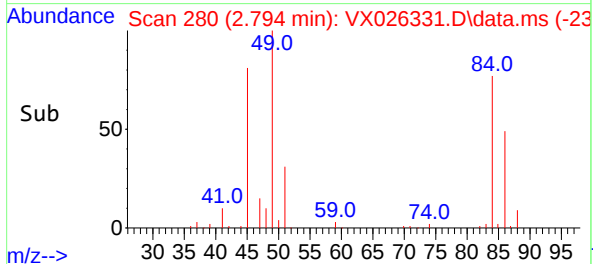
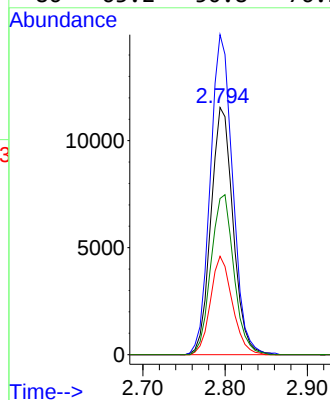
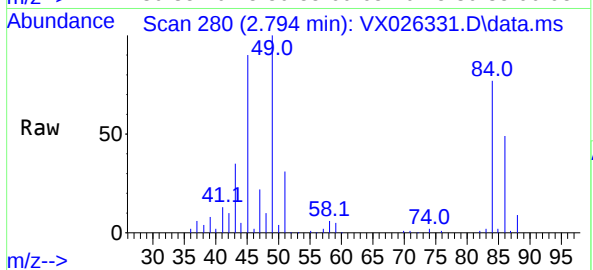




#20
Methylene Chloride
Concen: 10.259 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

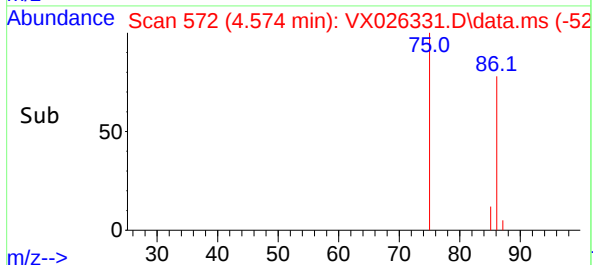
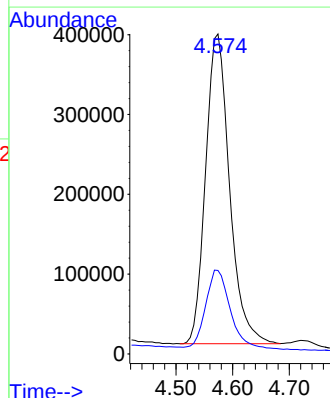
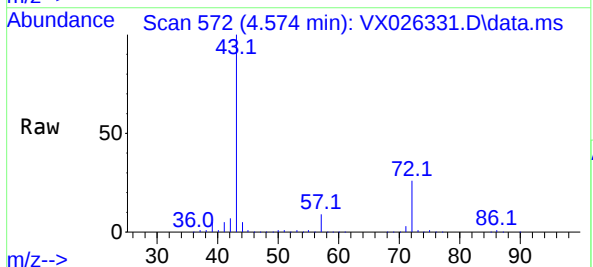
Instrument :
MSVOA_X
ClientSampleId :
40566

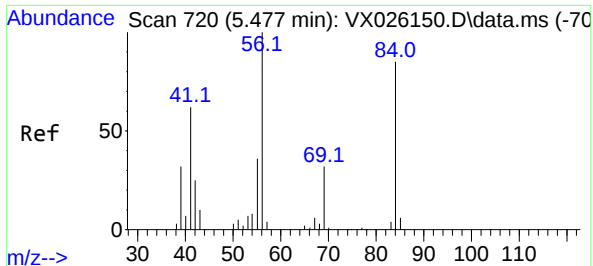
Tgt Ion: 84	Resp: 21675
Ion Ratio	Lower Upper
84 100	
49 129.4	97.1 145.7
51 39.8	29.3 43.9
86 63.2	50.8 76.2



#25
2-Butanone
Concen: 664.786 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 43	Resp: 1140127
Ion Ratio	Lower Upper
43 100	
72 25.3	21.0 31.4

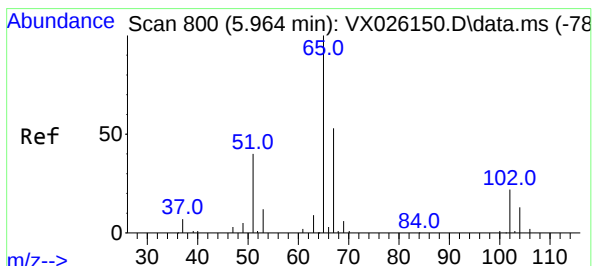
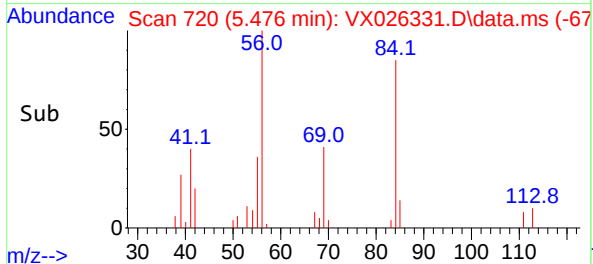
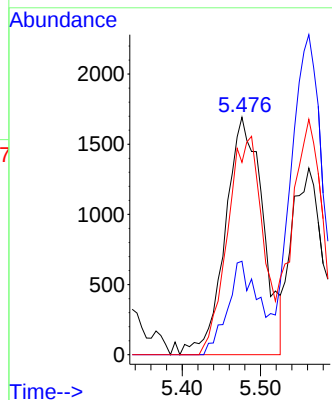
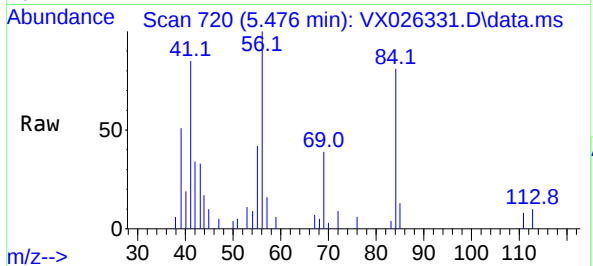




#31
Cyclohexane
Concen: 1.747 ug/l
RT: 5.476 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

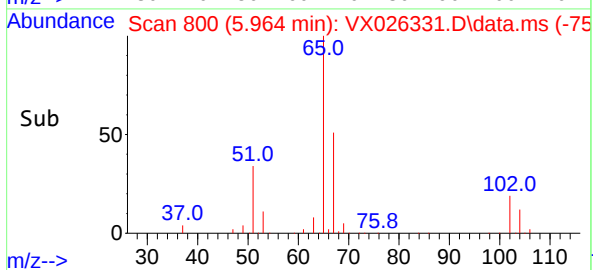
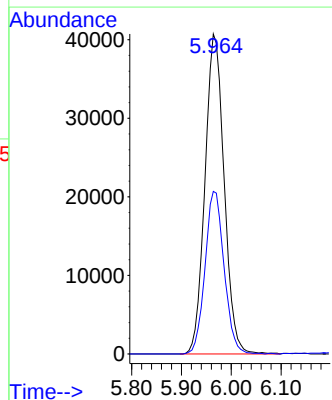
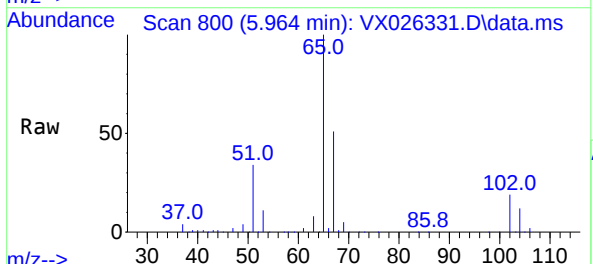
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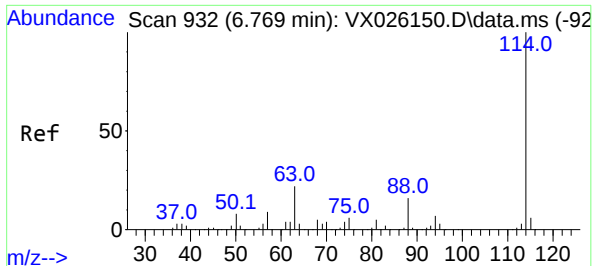
Tgt Ion: 56 Resp: 5652
Ion Ratio Lower Upper
56 100
69 39.3 23.9 35.9#
84 81.0 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 47.911 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 65 Resp: 108869
Ion Ratio Lower Upper
65 100
67 50.4 0.0 103.4

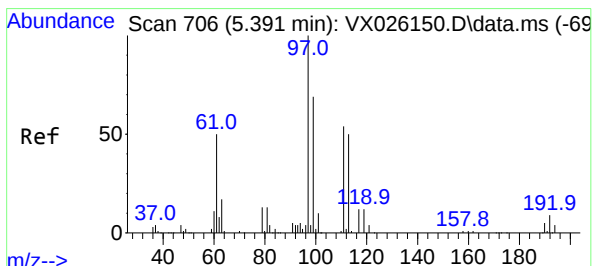
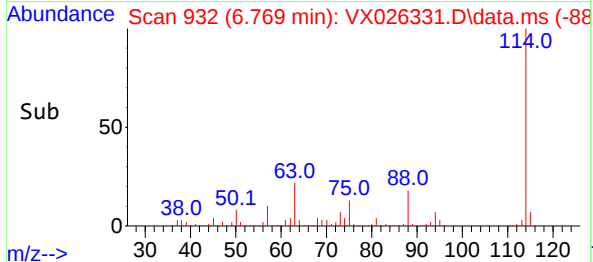
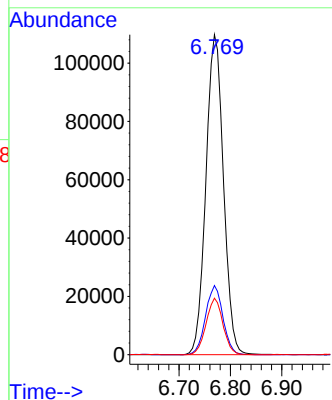
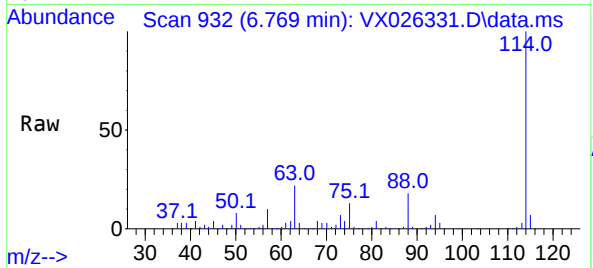




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

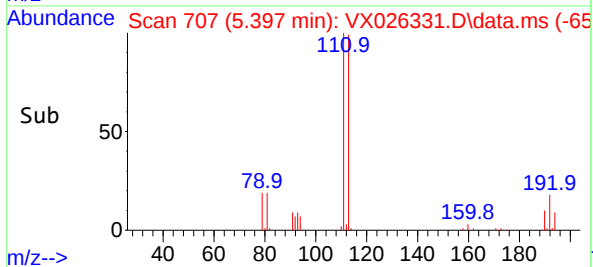
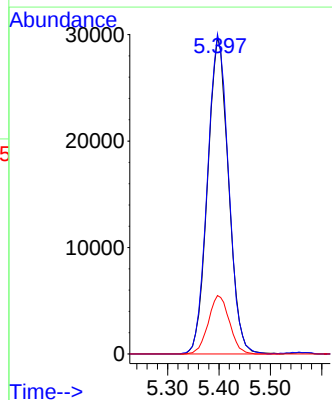
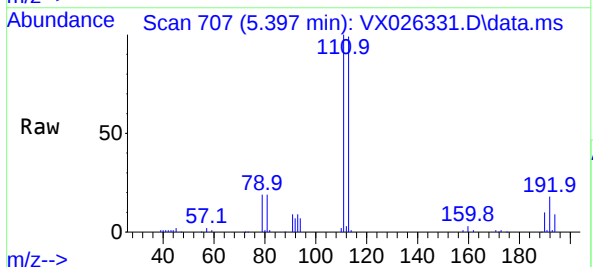
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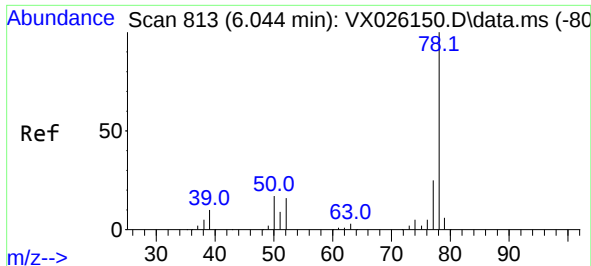
Tgt Ion:114 Resp: 260190
Ion Ratio Lower Upper
114 100
63 21.6 0.0 40.0
88 17.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.613 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion:113 Resp: 83924
Ion Ratio Lower Upper
113 100
111 101.9 81.8 122.8
192 18.6 15.0 22.4

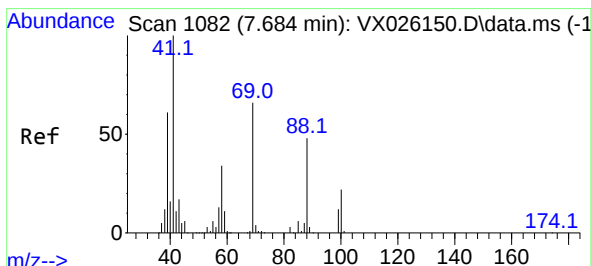
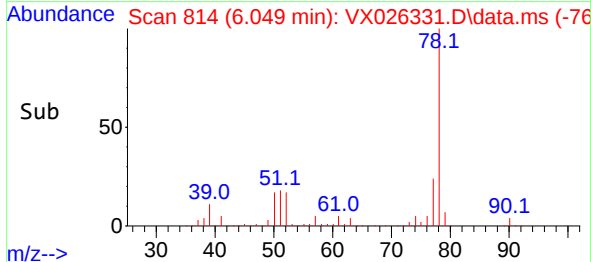
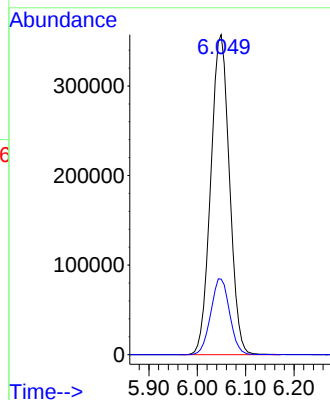
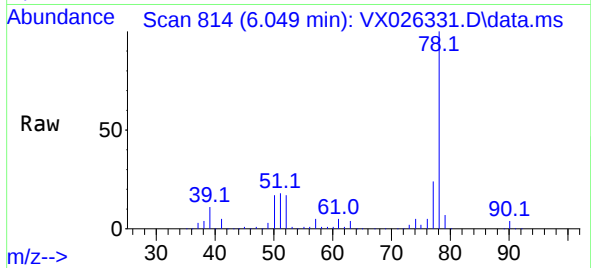




#40
Benzene
Concen: 123.194 ug/l
RT: 6.049 min Scan# 813
Delta R.T. 0.005 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

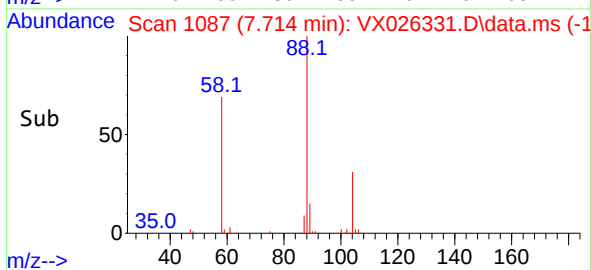
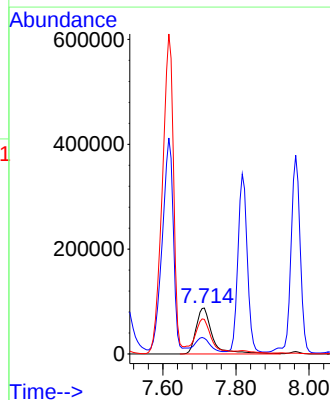
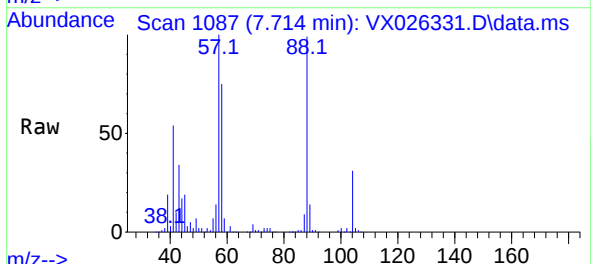
Instrument :
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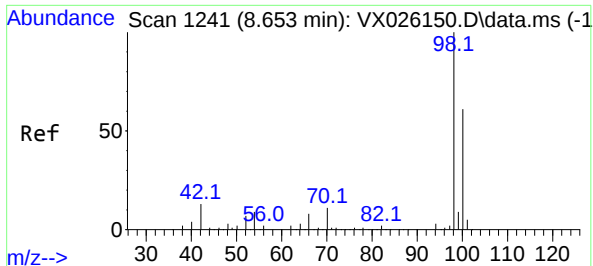
Tgt Ion: 78 Resp: 959279
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8



#49
1,4-Dioxane
Concen: 5931.722 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.030 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 88 Resp: 270296
Ion Ratio Lower Upper
88 100
43 26.6 25.3 37.9
58 64.4 51.8 77.6

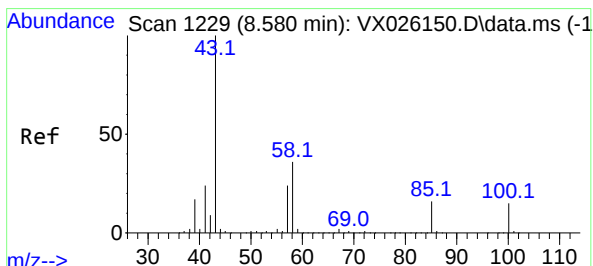
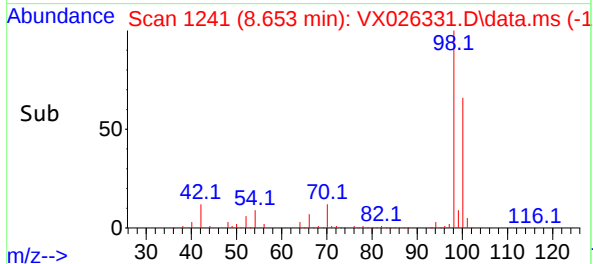
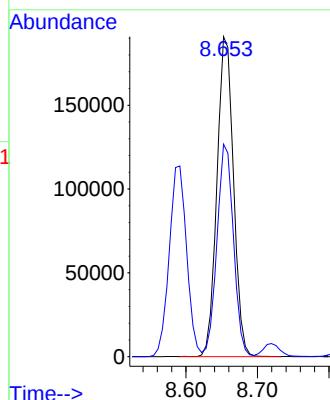
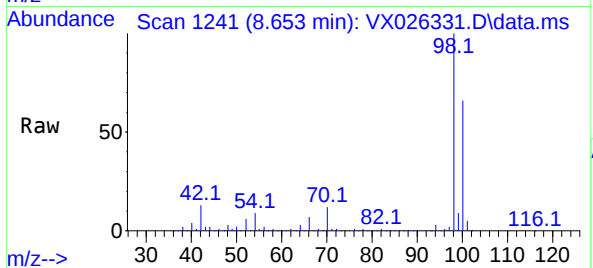




#50
Toluene-d8
Concen: 48.730 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

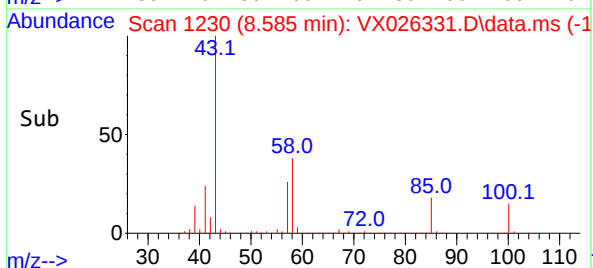
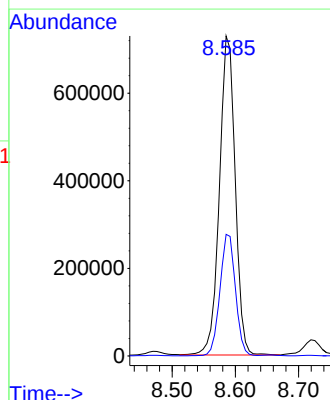
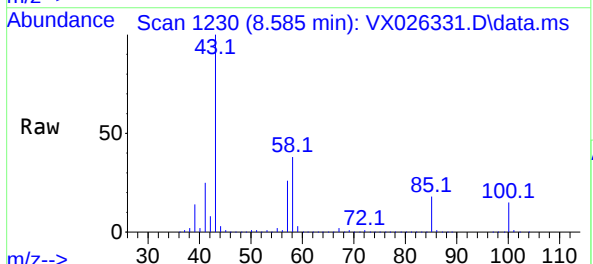
Instrument :
MSVOA_X
ClientSampleId :
40566

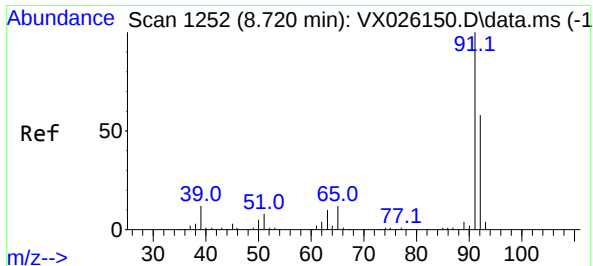
Tgt Ion: 98 Resp: 306610
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 391.209 ug/l
RT: 8.585 min Scan# 1230
Delta R.T. 0.005 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 43 Resp: 1255196
Ion Ratio Lower Upper
43 100
58 37.3 30.8 46.2





#52

Toluene

Concen: 415.071 ug/l

RT: 8.726 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX026331.D

Acq: 05 Jan 2022 18:42

Instrument :

MSVOA_X

ClientSampleId :

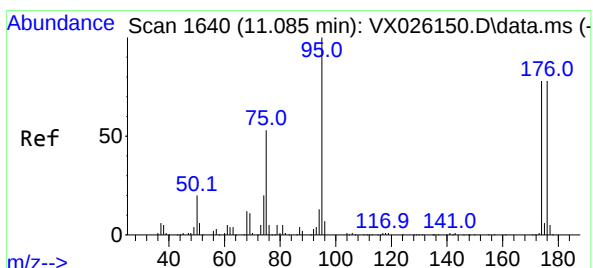
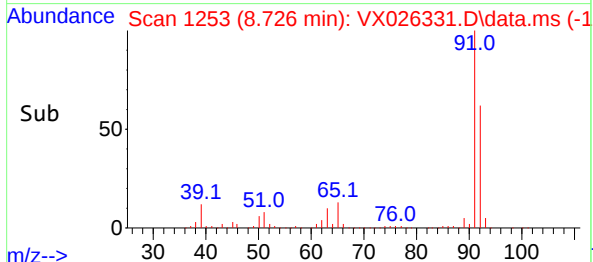
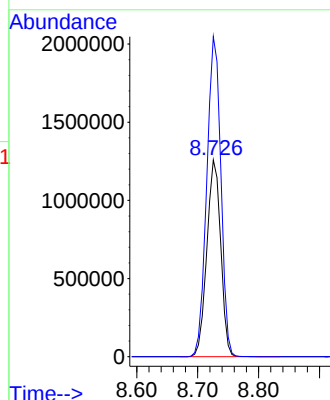
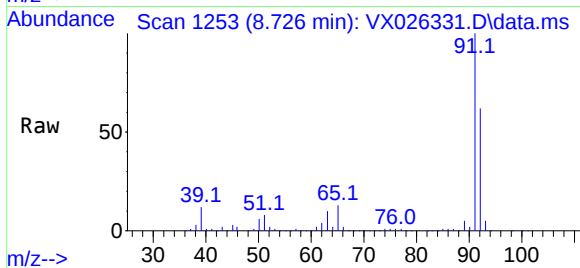
40566

Tgt Ion: 92 Resp: 1989721

Ion Ratio Lower Upper

92 100

91 165.2 136.0 204.0



#62

4-Bromofluorobenzene

Concen: 53.892 ug/l

RT: 11.091 min Scan# 1641

Delta R.T. 0.006 min

Lab File: VX026331.D

Acq: 05 Jan 2022 18:42

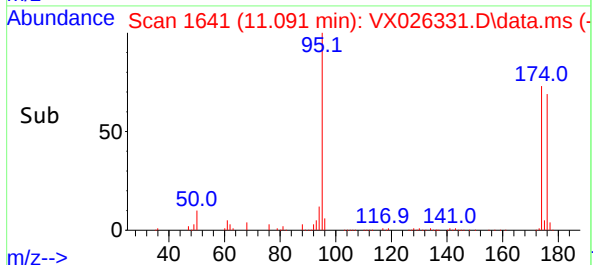
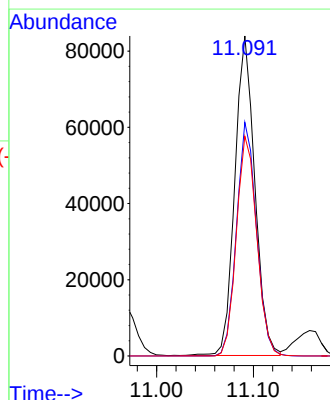
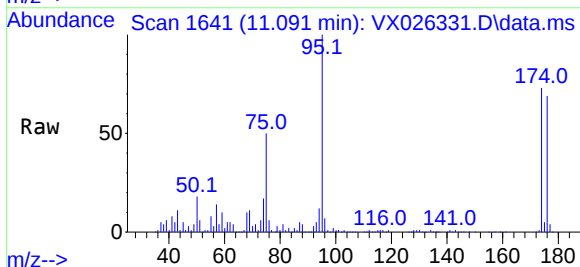
Tgt Ion: 95 Resp: 120712

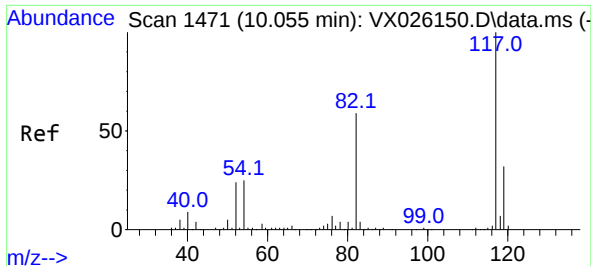
Ion Ratio Lower Upper

95 100

174 72.9 0.0 157.4

176 70.0 0.0 154.6

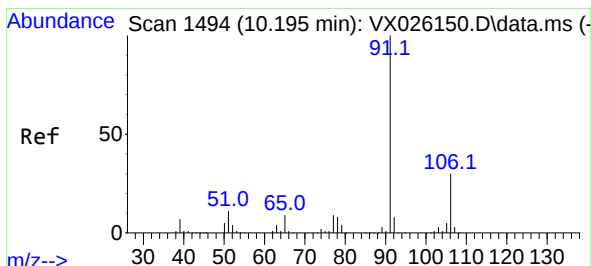
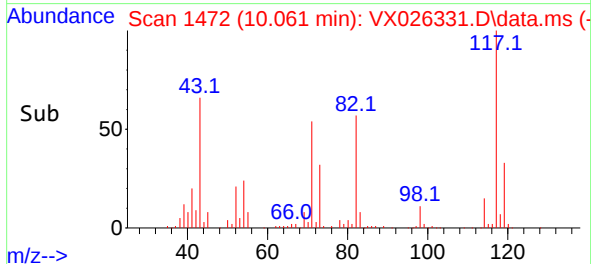
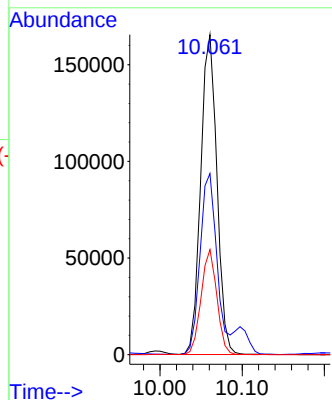
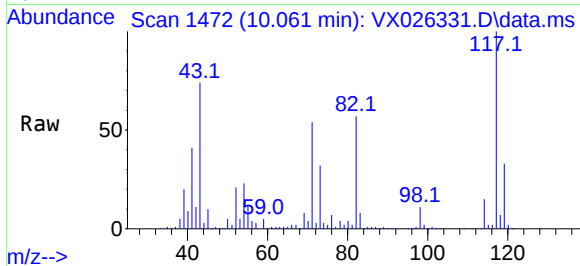




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

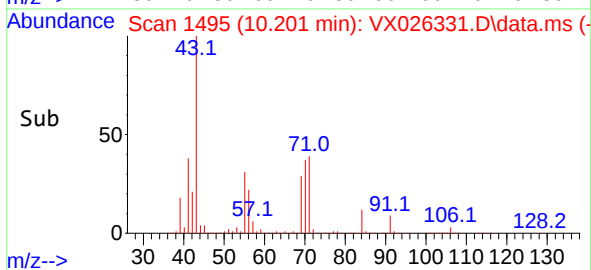
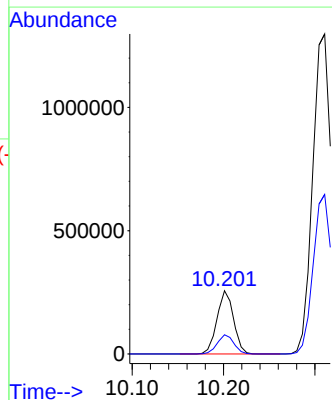
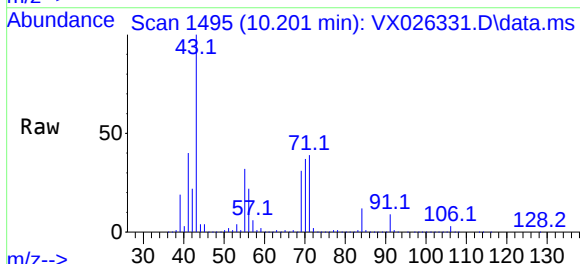
Instrument :
MSVOA_X
ClientSampleId :
40566

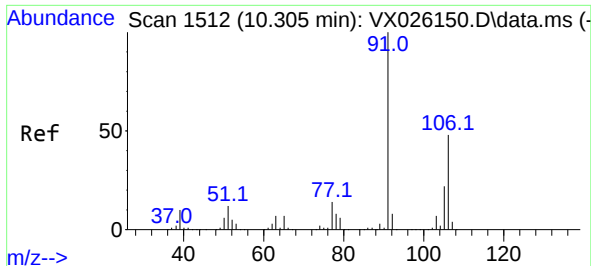
Tgt Ion:117 Resp: 226809
Ion Ratio Lower Upper
117 100
82 56.6 43.8 65.6
119 32.9 25.2 37.8



#67
Ethyl Benzene
Concen: 36.288 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion: 91 Resp: 323285
Ion Ratio Lower Upper
91 100
106 30.5 25.7 38.5

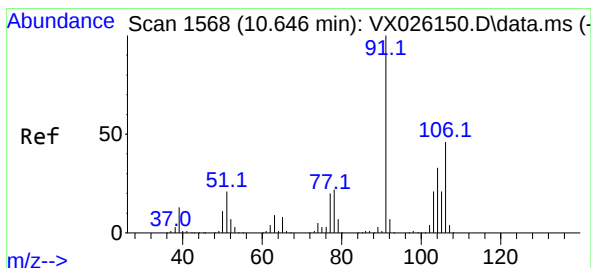
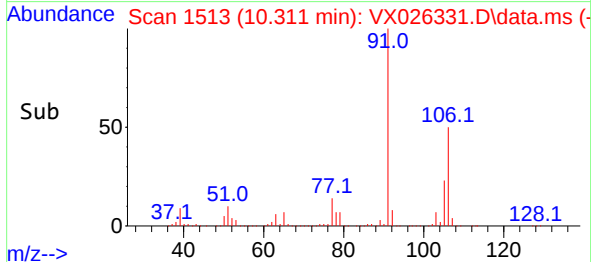
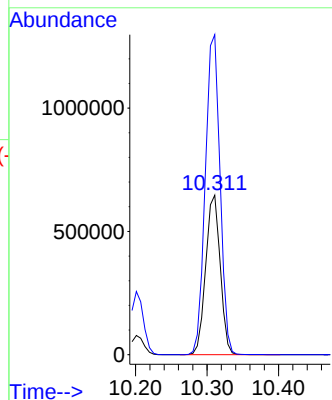
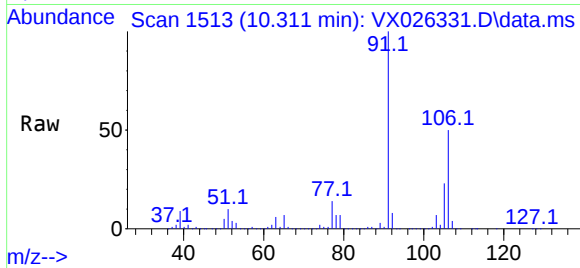




#68
m/p-Xylenes
Concen: 274.144 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

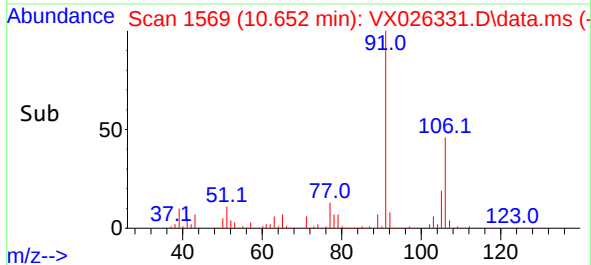
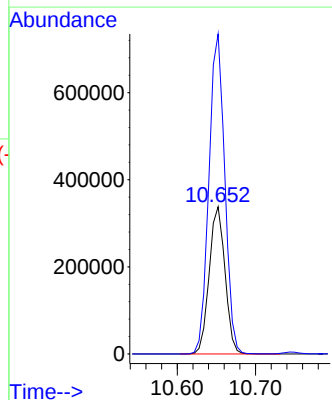
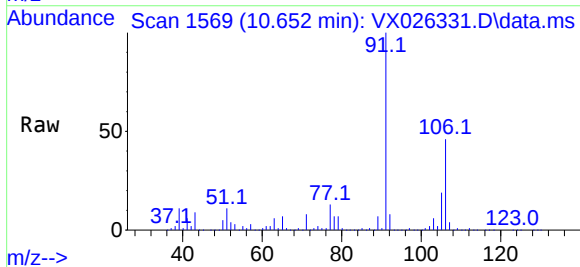
Instrument :
MSVOA_X
ClientSampleId :
40566

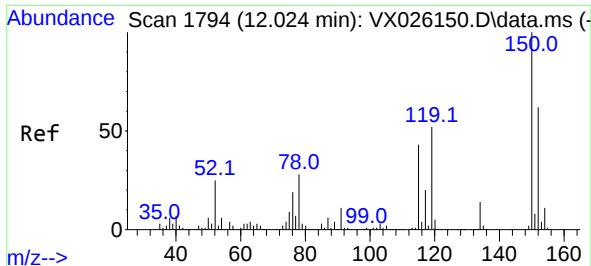
Tgt Ion:106 Resp: 911919
Ion Ratio Lower Upper
106 100
91 203.6 158.6 238.0



#69
o-Xylene
Concen: 145.057 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion:106 Resp: 472114
Ion Ratio Lower Upper
106 100
91 218.0 105.5 316.4

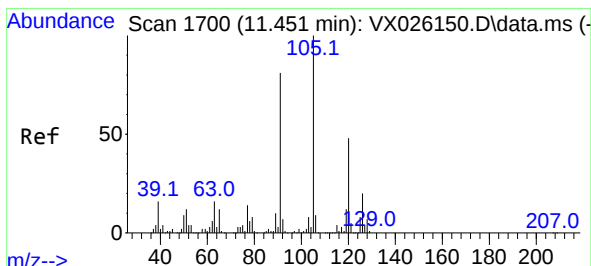
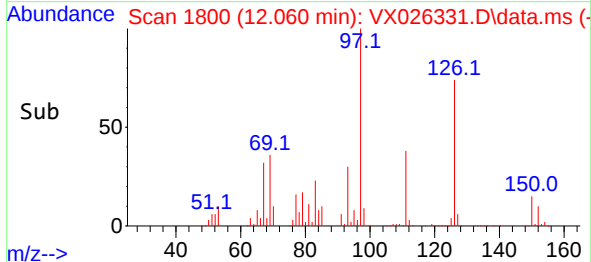
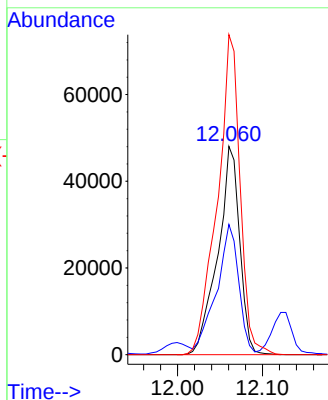
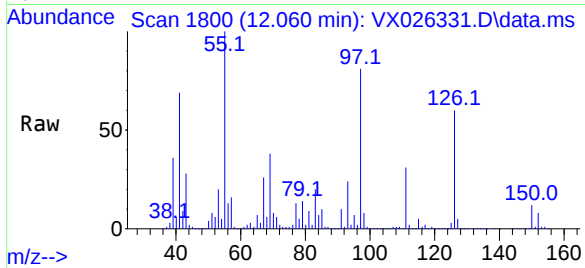




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 12.060 min Scan# 11
Delta R.T. 0.036 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

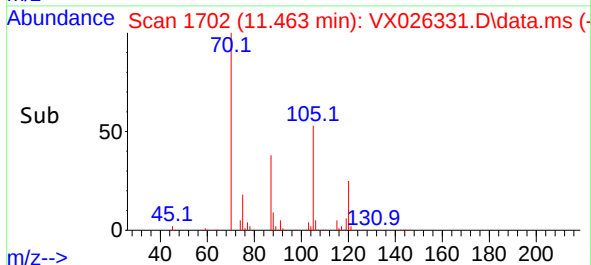
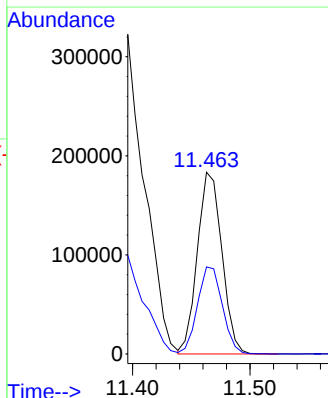
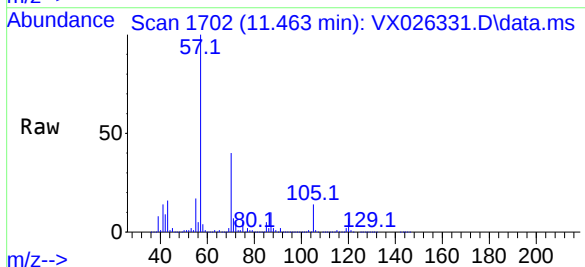
Instrument :
MSVOA_X
ClientSampleId :
40566

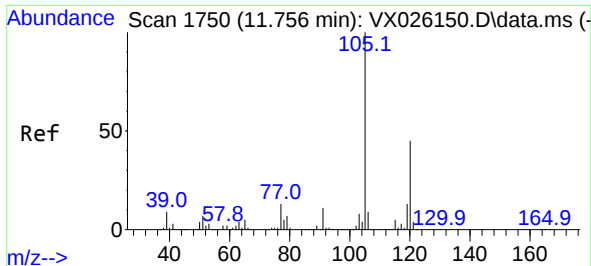
Tgt Ion:152 Resp: 86373
Ion Ratio Lower Upper
152 100
115 0.0 41.3 123.9#
150 0.0 0.0 351.8



#80
1,3,5-Trimethylbenzene
Concen: 47.760 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.012 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion:105 Resp: 266100
Ion Ratio Lower Upper
105 100
120 48.5 24.9 74.7

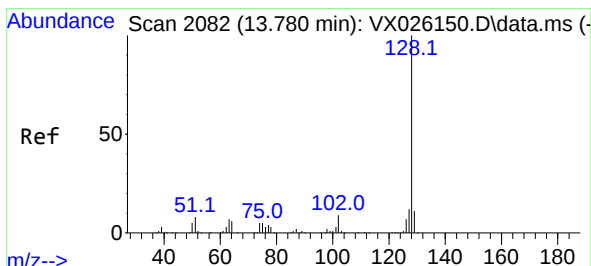
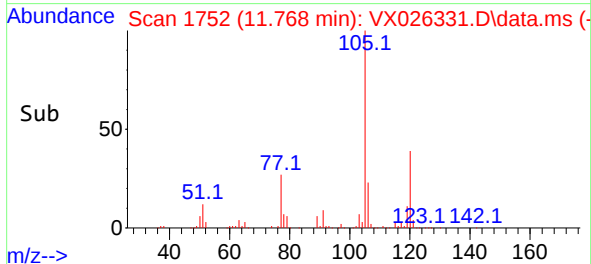
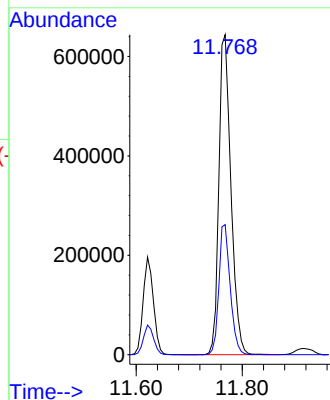
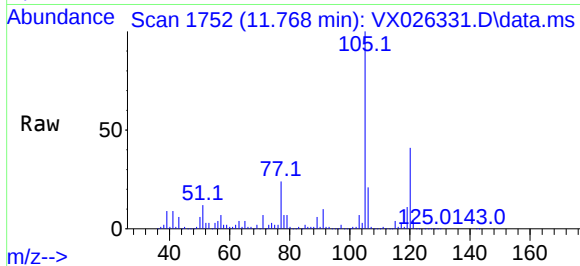




#84
1,2,4-Trimethylbenzene
Concen: 183.025 ug/l
RT: 11.768 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Instrument :
MSVOA_X
ClientSampleId :
40566

Tgt Ion:105 Resp: 1018920
Ion Ratio Lower Upper
105 100
120 38.2 22.9 68.7



#95
Naphthalene
Concen: 14.474 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026331.D
Acq: 05 Jan 2022 18:42

Tgt Ion:128 Resp: 96621
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.8 8.8 13.2

