

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010522\
 Data File : VX026332.D
 Acq On : 05 Jan 2022 19:06
 Operator : JC/MD
 Sample : M5336-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40570

Quant Time: Jan 06 03:11:35 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)

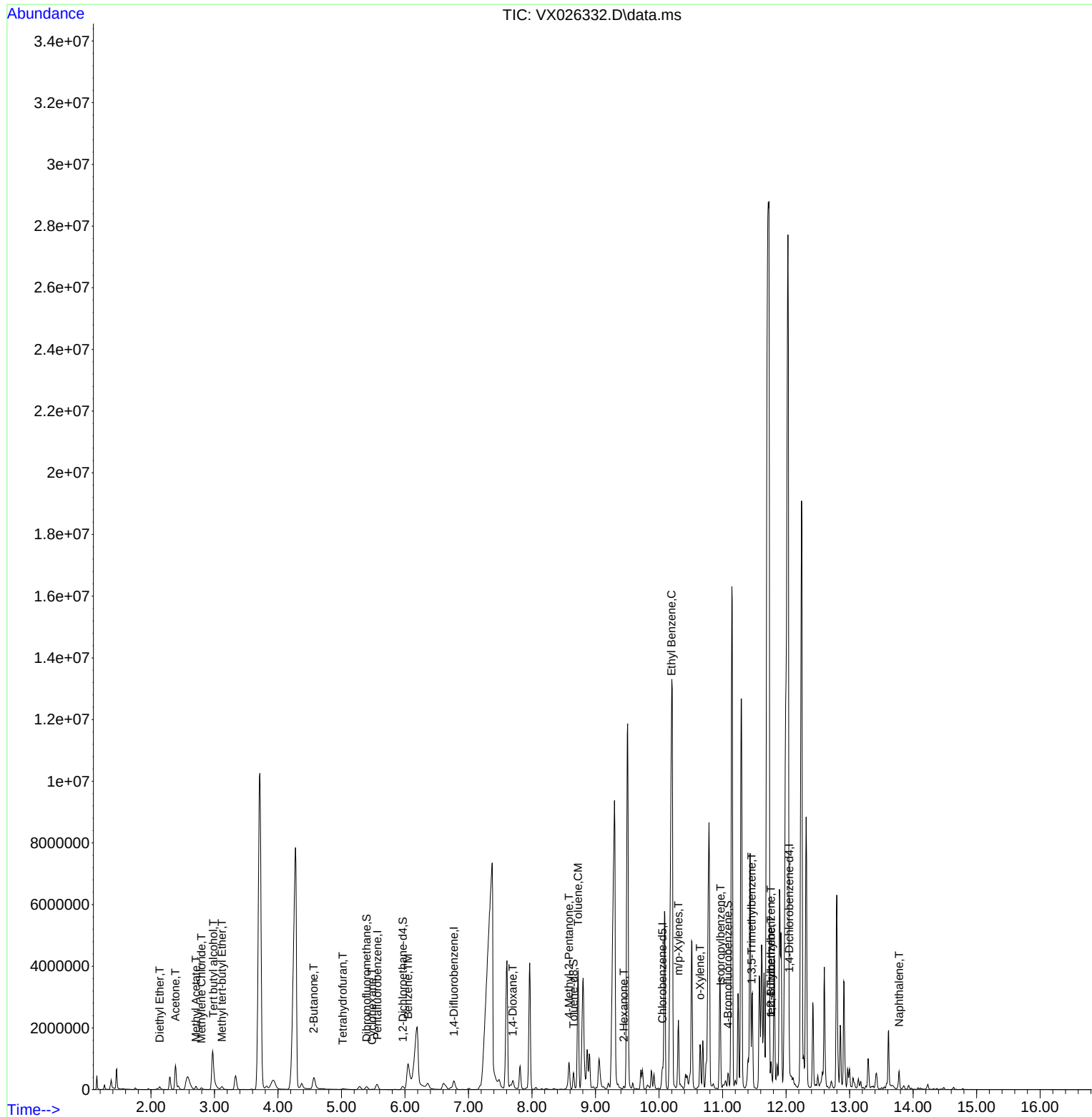
Internal Standards						
1) Pentafluorobenzene	5.562	168	157790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	259995	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.048	152	92554	50.000	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106777	46.775	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.560%
35) Dibromofluoromethane	5.397	113	82509	48.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.620%
50) Toluene-d8	8.653	98	305569	48.601	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.200%
62) 4-Bromofluorobenzene	11.085	95	119594	53.433	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	106.860%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.135	74	20591	17.139	ug/l #	1
11) Tert butyl alcohol	2.983	59	580217	1272.569	ug/l #	94
16) Acetone	2.385	43	872493	705.426	ug/l	97
18) Methyl Acetate	2.709	43	116629	29.071	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	91457	14.986	ug/l	93
20) Methylene Chloride	2.794	84	24339	11.581	ug/l	96
25) 2-Butanone	4.562	43	595082	345.395	ug/l	98
29) Tetrahydrofuran	5.019	42	14504	13.356	ug/l	92
31) Cyclohexane	5.482	56	9381	2.886	ug/l	99
40) Benzene	6.049	78	949995	122.093	ug/l	99
49) 1,4-Dioxane	7.695	88	174887m	3840.823	ug/l	
51) 4-Methyl-2-Pentanone	8.579	43	572813	178.664	ug/l	97
52) Toluene	8.726	92	1451837	303.091	ug/l	98
59) 2-Hexanone	9.445	43	52822	21.750	ug/l	99
67) Ethyl Benzene	10.195	91	203454	22.818	ug/l	97
68) m/p-Xylenes	10.305	106	486177	146.037	ug/l	95
69) o-Xylene	10.646	106	243079	74.625	ug/l	95
73) Isopropylbenzene	10.969	105	10914	1.517	ug/l	96
80) 1,3,5-Trimethylbenzene	11.457	105	41529	6.956	ug/l	98
83) tert-Butylbenzene	11.762	119	23686	4.087	ug/l #	64
84) 1,2,4-Trimethylbenzene	11.762	105	295799	49.585	ug/l	77
95) Naphthalene	13.780	128	346769	48.477	ug/l	100

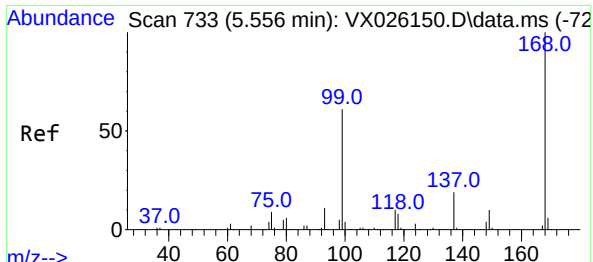
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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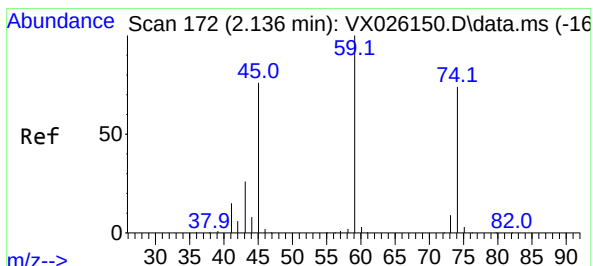
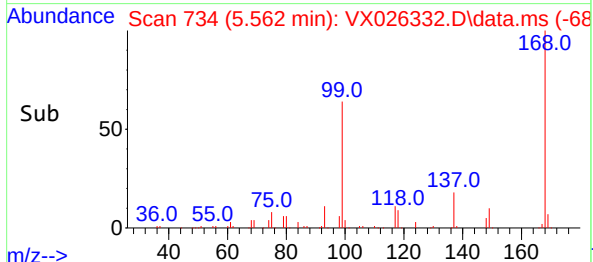
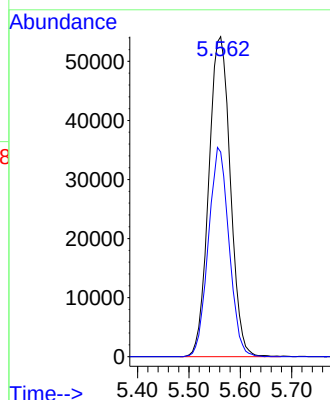
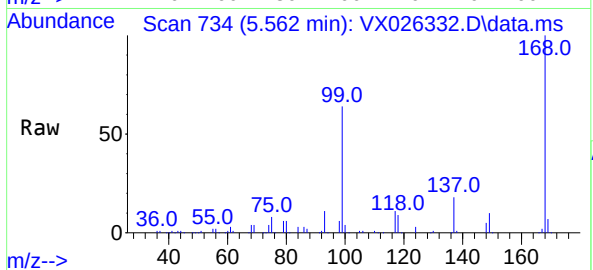




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

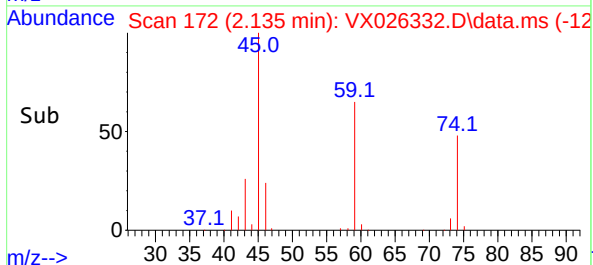
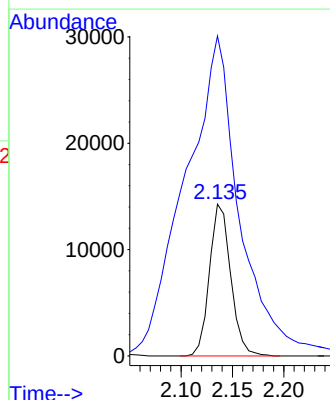
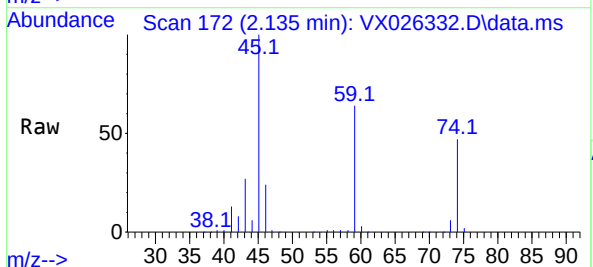
Instrument :
MSVOA_X
ClientSampleId :
40570

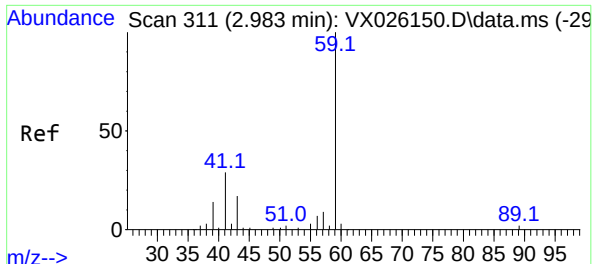
Tgt Ion:168 Resp: 157790
Ion Ratio Lower Upper
168 100
99 63.9 45.8 68.8



#8
Diethyl Ether
Concen: 17.139 ug/l
RT: 2.135 min Scan# 172
Delta R.T. -0.001 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion: 74 Resp: 20591
Ion Ratio Lower Upper
74 100
45 537.4 50.4 151.2#





#11

Tert butyl alcohol

Concen: 1272.569 ug/l

RT: 2.983 min Scan# 311

Delta R.T. -0.000 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

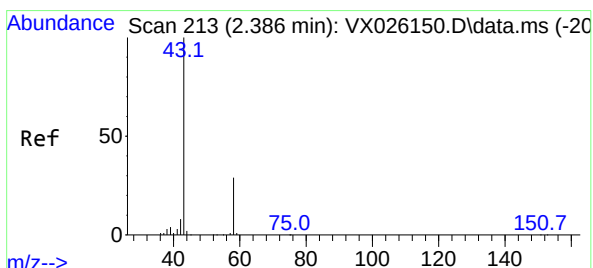
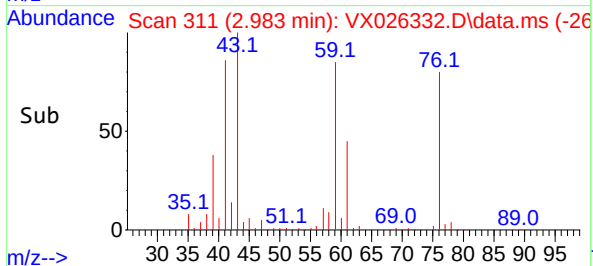
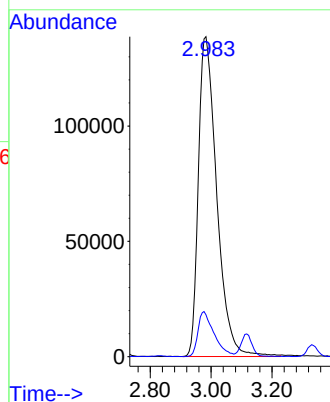
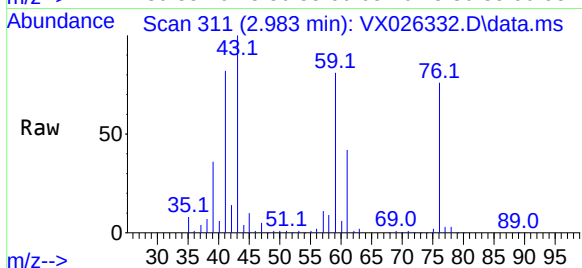
40570

Tgt Ion: 59 Resp: 580217

Ion Ratio Lower Upper

59 100

57 12.4 8.2 12.2#



#16

Acetone

Concen: 705.426 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.001 min

Lab File: VX026332.D

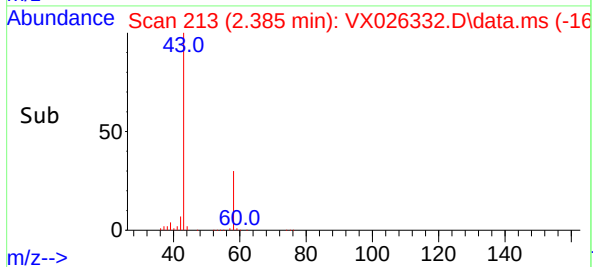
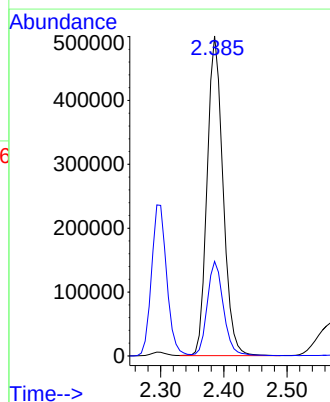
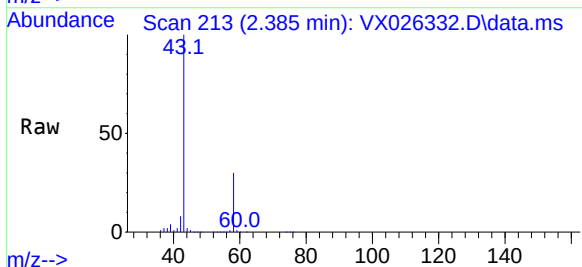
Acq: 05 Jan 2022 19:06

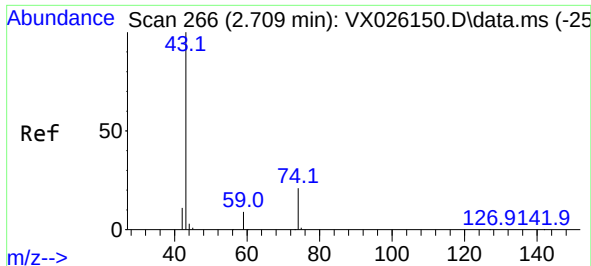
Tgt Ion: 43 Resp: 872493

Ion Ratio Lower Upper

43 100

58 29.4 24.8 37.2

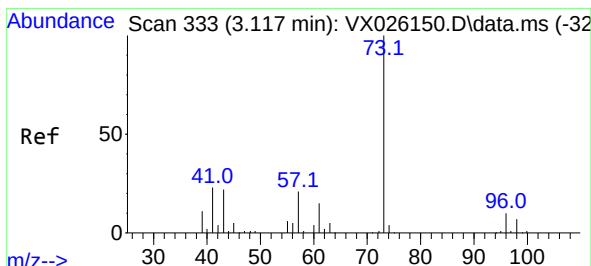
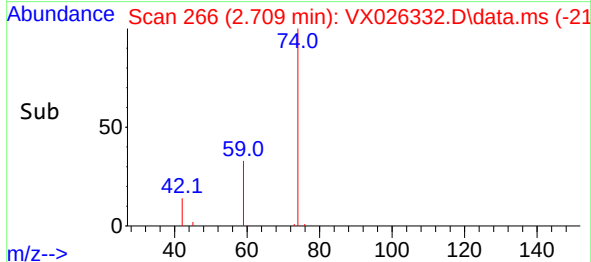
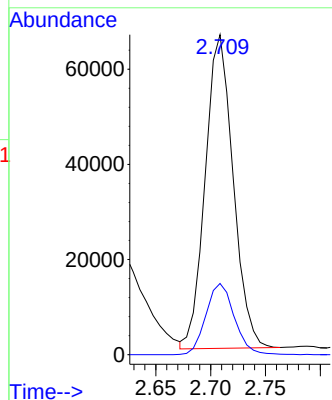
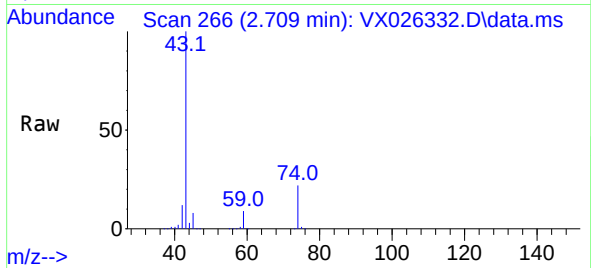




#18
Methyl Acetate
Concen: 29.071 ug/l
RT: 2.709 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

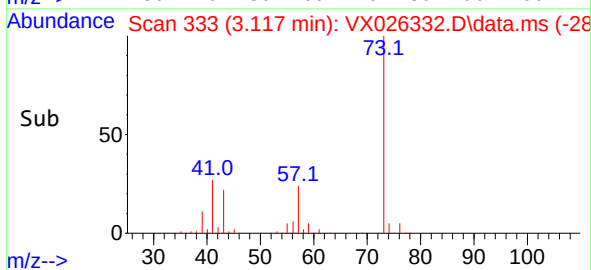
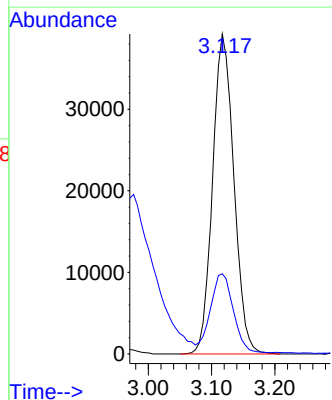
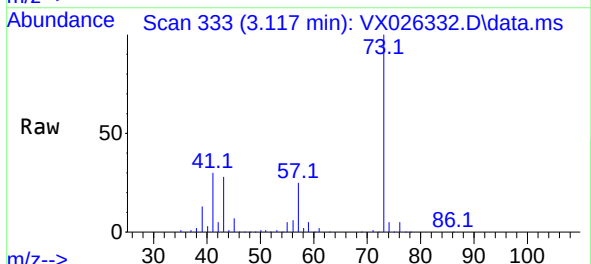
Instrument :
MSVOA_X
ClientSampleId :
40570

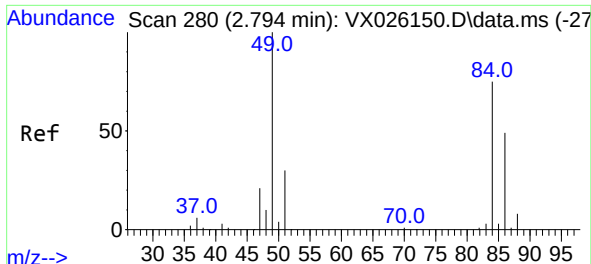
Tgt Ion: 43 Resp: 116629
Ion Ratio Lower Upper
43 100
74 23.1 19.1 28.7



#19
Methyl tert-butyl Ether
Concen: 14.986 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion: 73 Resp: 91457
Ion Ratio Lower Upper
73 100
57 24.6 17.0 25.6

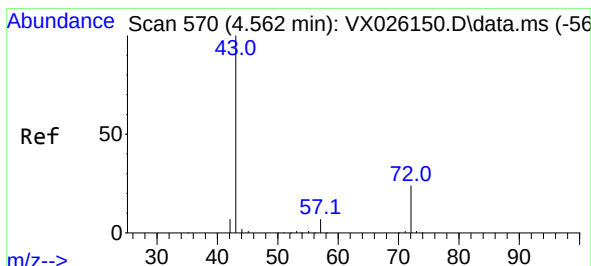
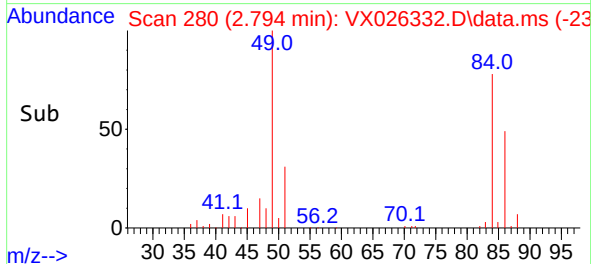
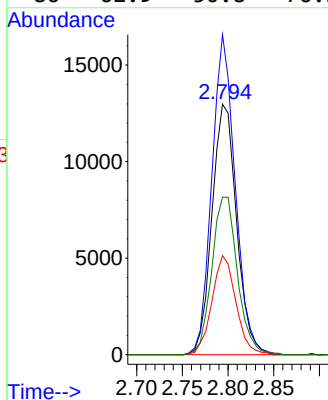
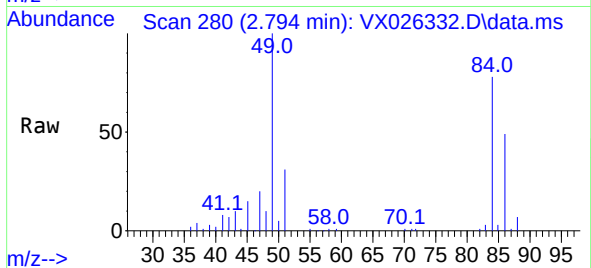




#20
Methylene Chloride
Concen: 11.581 ug/l
RT: 2.794 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

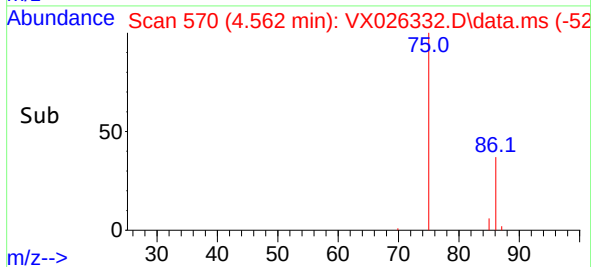
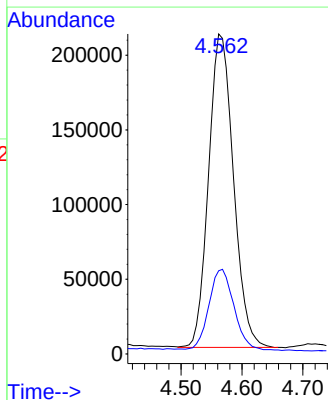
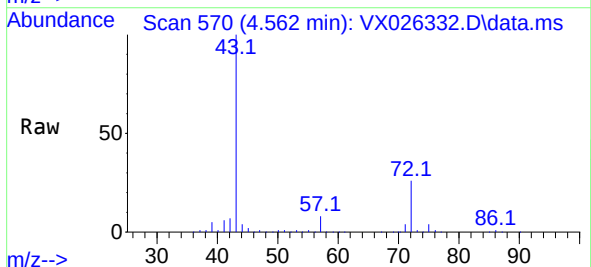
Instrument :
MSVOA_X
ClientSampleId :
40570

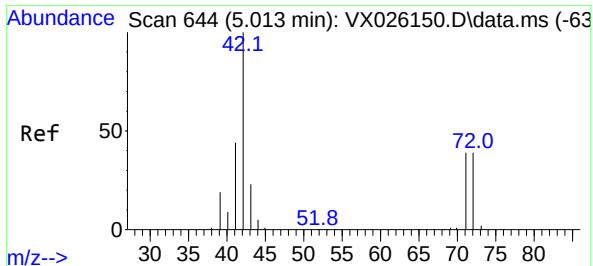
Tgt Ion:	84	Resp:	24339
Ion	Ratio	Lower	Upper
84	100		
49	127.7	97.1	145.7
51	39.5	29.3	43.9
86	62.9	50.8	76.2



#25
2-Butanone
Concen: 345.395 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion:	43	Resp:	595082
Ion	Ratio	Lower	Upper
43	100		
72	25.3	21.0	31.4





#29

Tetrahydrofuran

Concen: 13.356 ug/l

RT: 5.019 min Scan# 644

Delta R.T. 0.006 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

40570

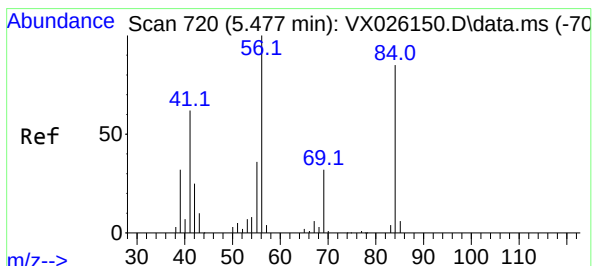
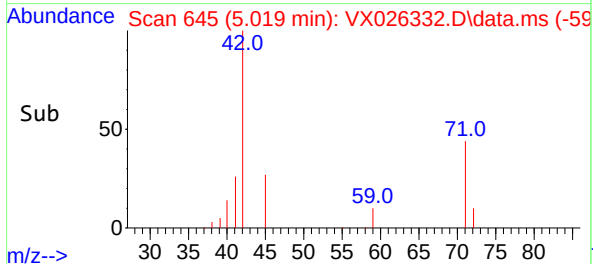
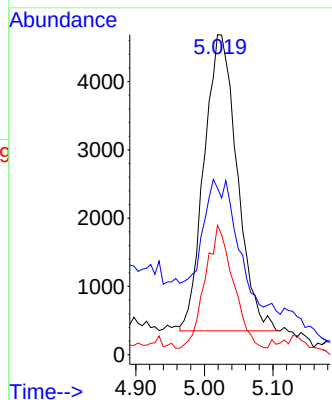
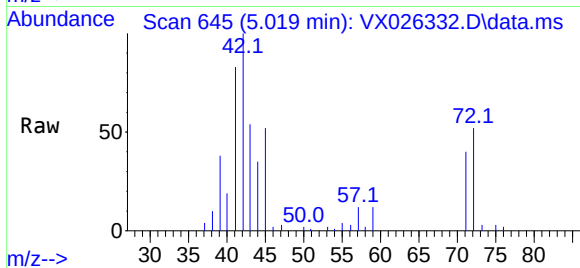
Tgt Ion: 42 Resp: 14504

Ion Ratio Lower Upper

42 100

72 43.0 37.0 55.6

71 35.3 34.1 51.1



#31

Cyclohexane

Concen: 2.886 ug/l

RT: 5.482 min Scan# 721

Delta R.T. 0.005 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

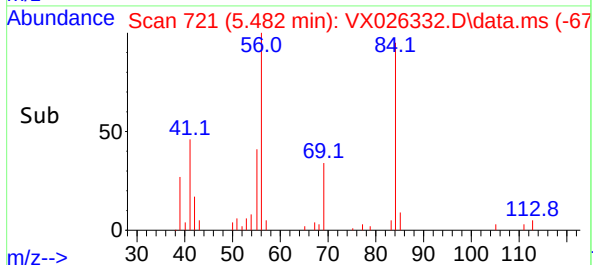
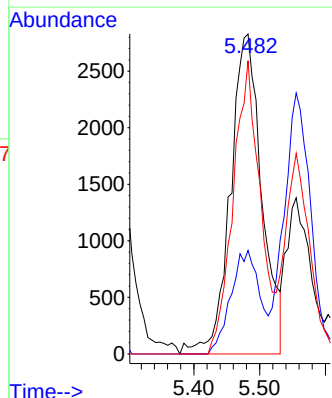
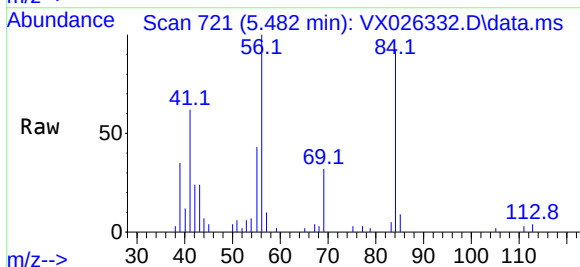
Tgt Ion: 56 Resp: 9381

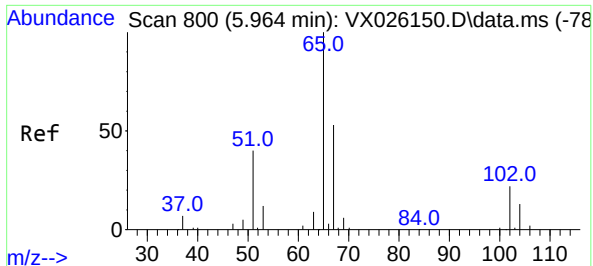
Ion Ratio Lower Upper

56 100

69 32.3 23.9 35.9

84 91.7 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 46.775 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

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ClientSampleId :

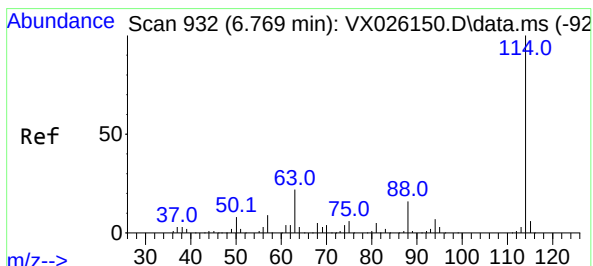
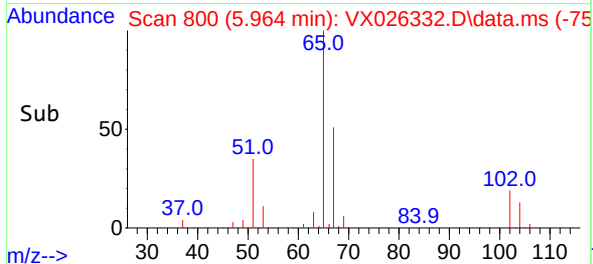
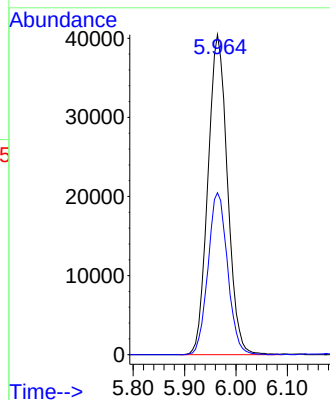
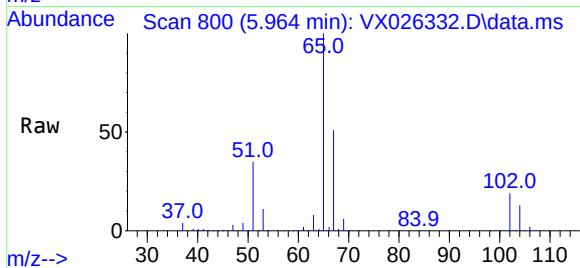
40570

Tgt Ion: 65 Resp: 106777

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

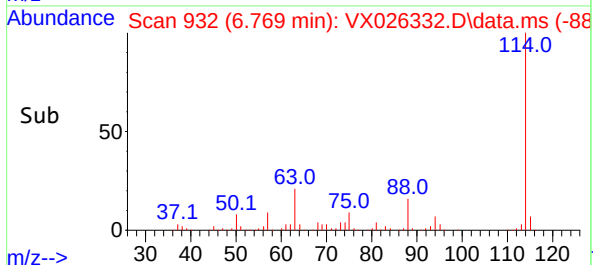
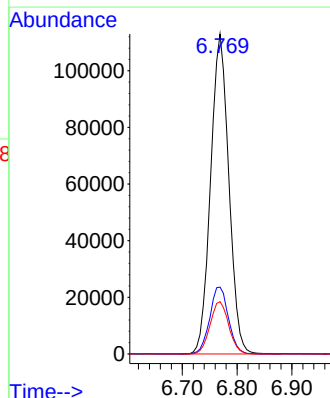
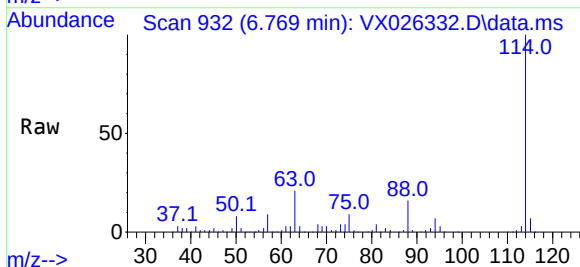
Tgt Ion: 114 Resp: 259995

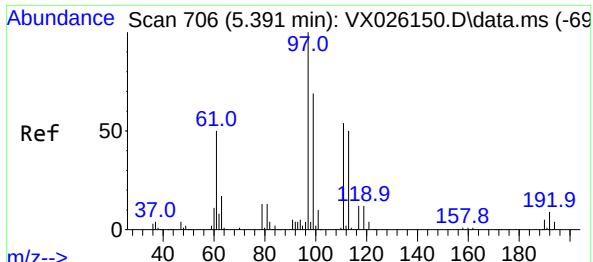
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 16.4 0.0 30.6

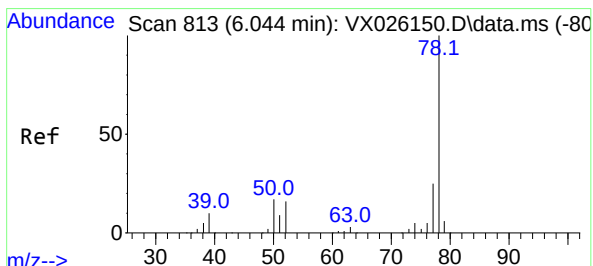
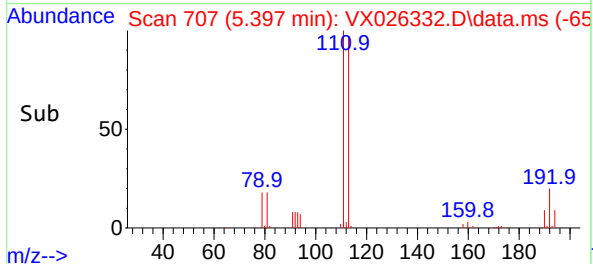
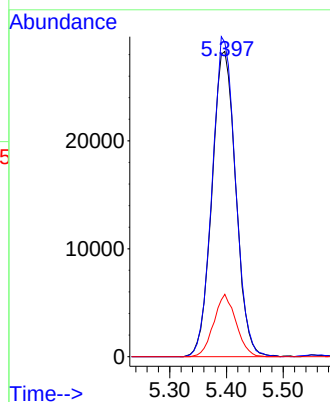
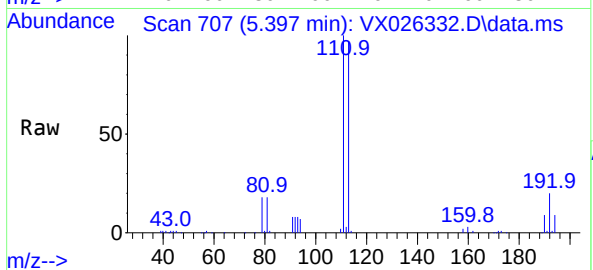




#35
Dibromofluoromethane
Concen: 48.813 ug/l
RT: 5.397 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

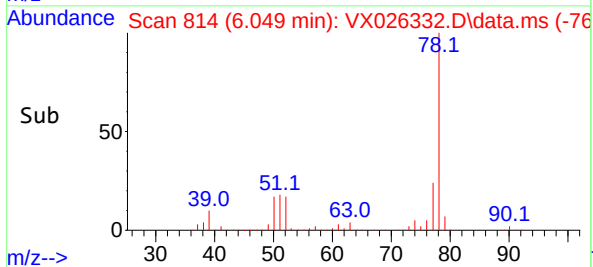
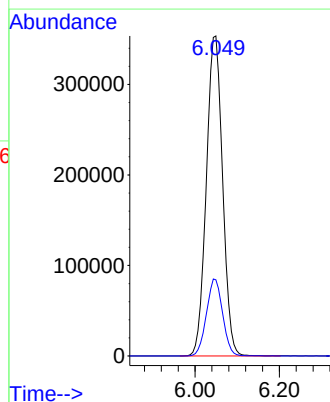
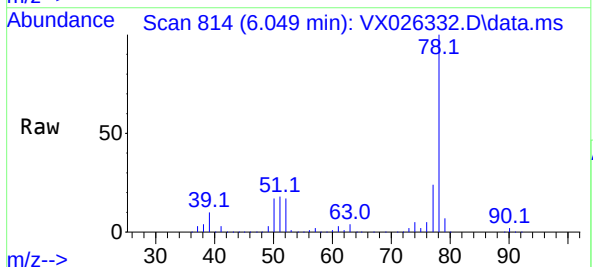
Instrument :
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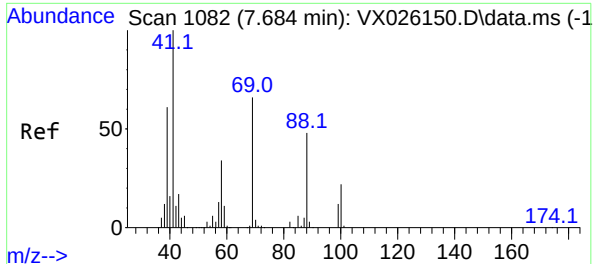
Tgt Ion:113 Resp: 82509
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.8
192 19.1 15.0 22.4



#40
Benzene
Concen: 122.093 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.005 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion: 78 Resp: 949995
Ion Ratio Lower Upper
78 100
77 23.8 18.6 27.8

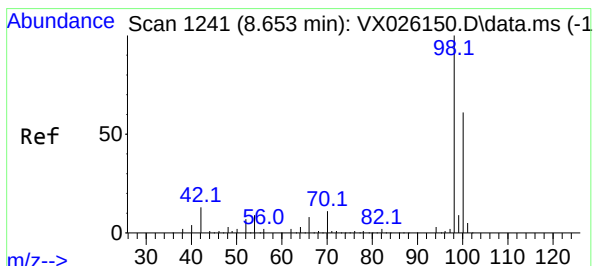
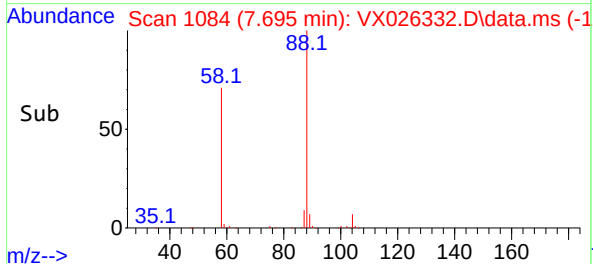
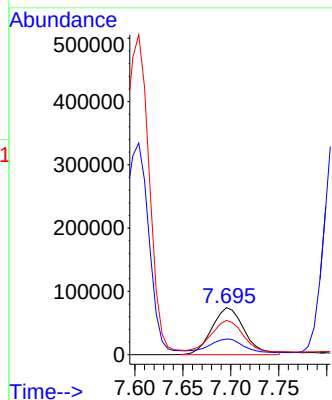
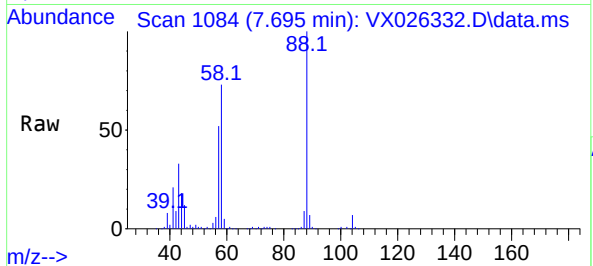




#49
1,4-Dioxane
Concen: 3840.823 ug/l m
RT: 7.695 min Scan# 1084
Delta R.T. 0.011 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

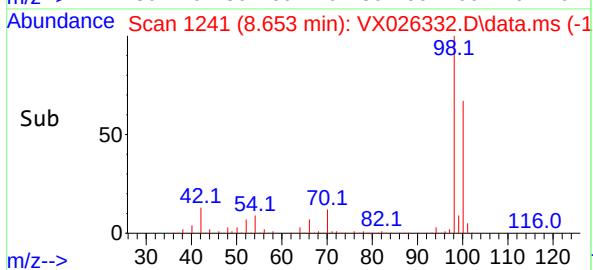
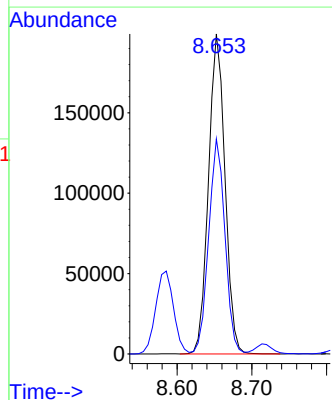
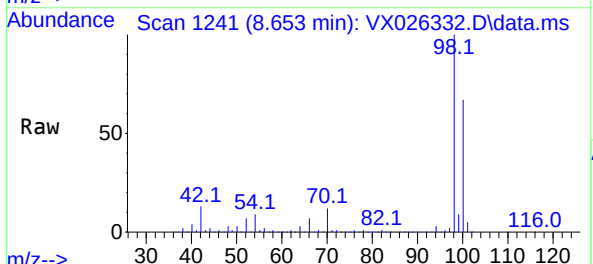
Instrument :
MSVOA_X
ClientSampleId :
40570

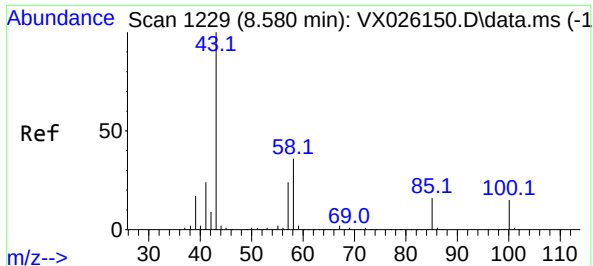
Tgt Ion: 88 Resp: 174887
Ion Ratio Lower Upper
88 100
43 0.0 25.3 37.9#
58 0.0 51.8 77.6#



#50
Toluene-d8
Concen: 48.601 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion: 98 Resp: 305569
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 178.664 ug/l

RT: 8.579 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

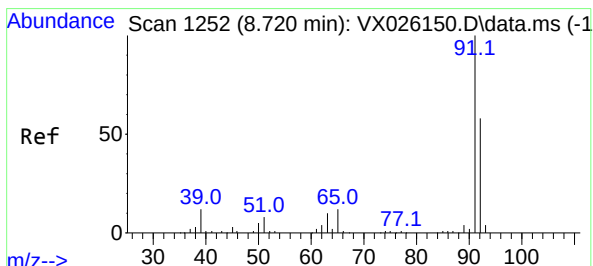
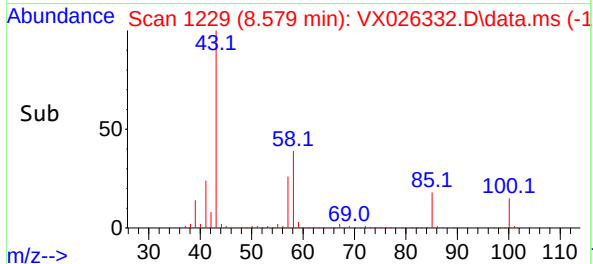
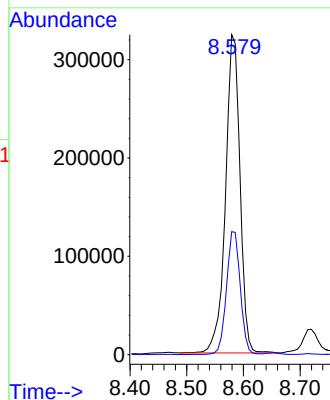
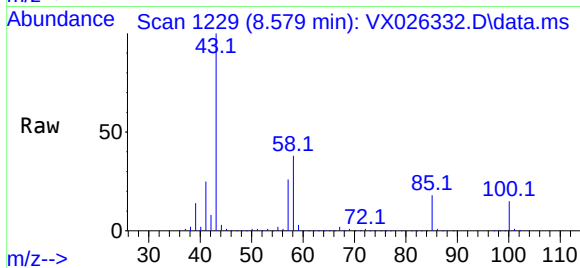
40570

Tgt Ion: 43 Resp: 572813

Ion Ratio Lower Upper

43 100

58 36.8 30.8 46.2



#52

Toluene

Concen: 303.091 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX026332.D

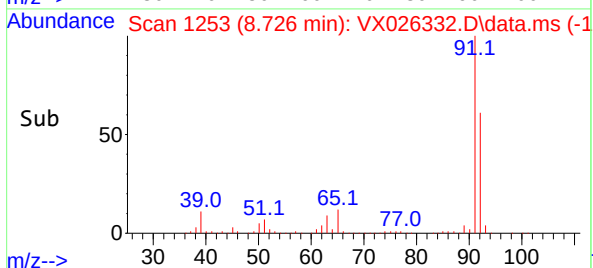
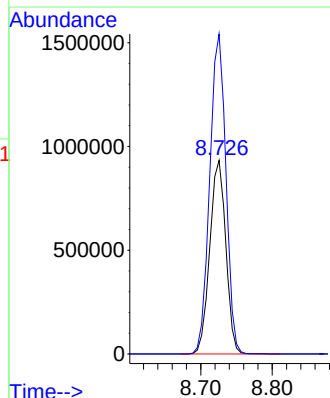
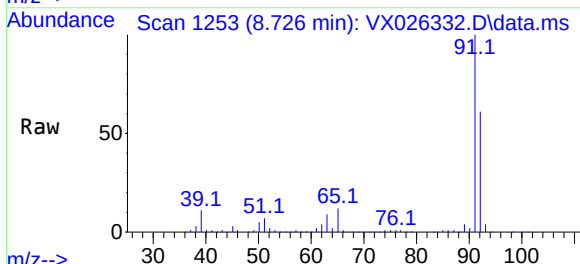
Acq: 05 Jan 2022 19:06

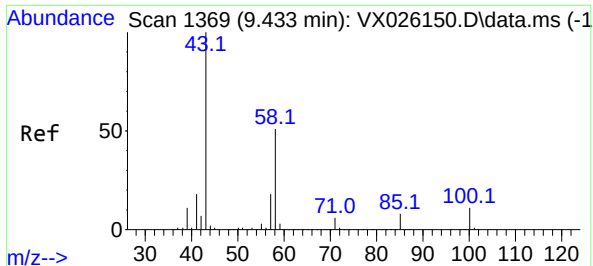
Tgt Ion: 92 Resp: 1451837

Ion Ratio Lower Upper

92 100

91 166.8 136.0 204.0





#59

2-Hexanone

Concen: 21.750 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

Instrument :

MSVOA_X

ClientSampleId :

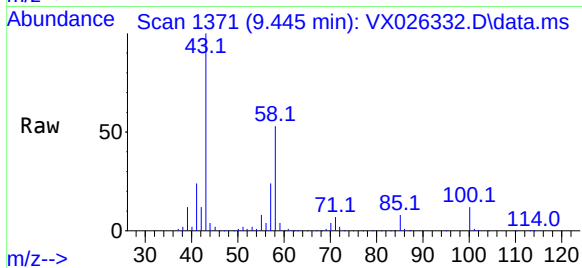
40570

Tgt Ion: 43 Resp: 52822

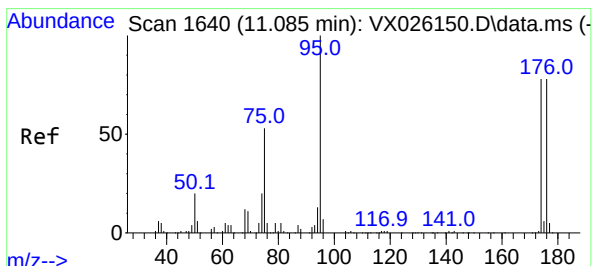
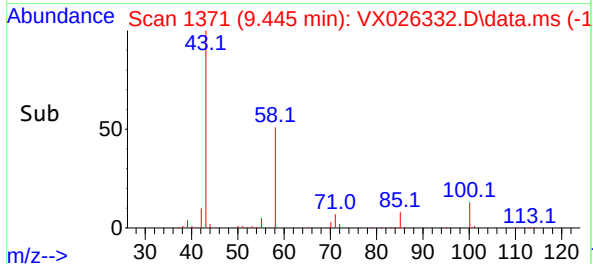
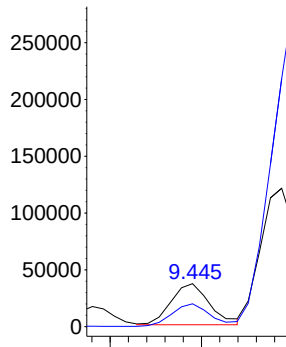
Ion Ratio Lower Upper

43 100

58 53.1 26.9 80.6



Abundance



#62

4-Bromofluorobenzene

Concen: 53.433 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX026332.D

Acq: 05 Jan 2022 19:06

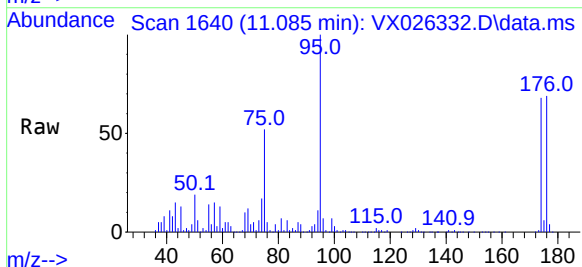
Tgt Ion: 95 Resp: 119594

Ion Ratio Lower Upper

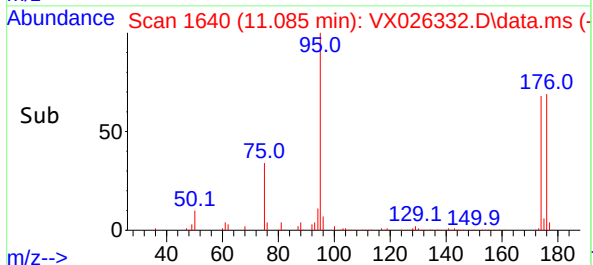
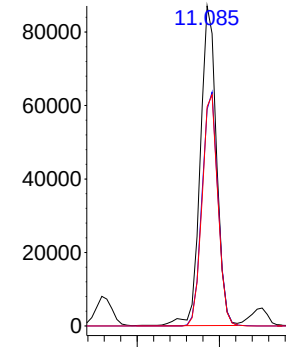
95 100

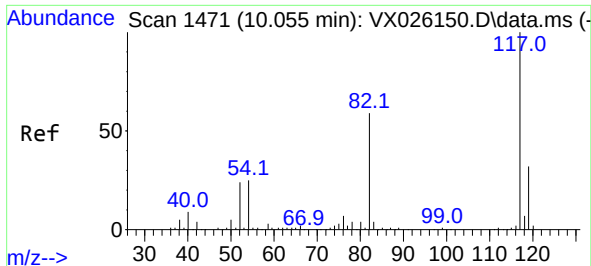
174 71.7 0.0 157.4

176 70.4 0.0 154.6



Abundance

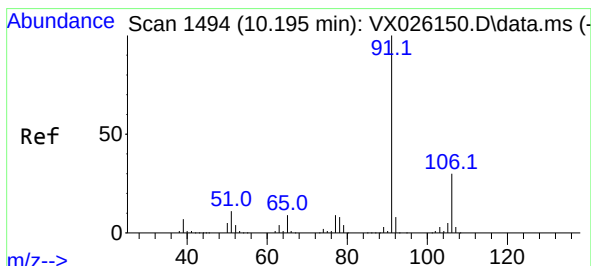
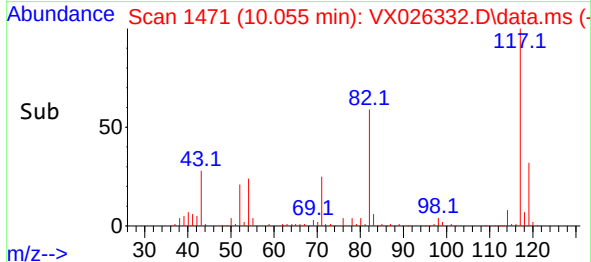
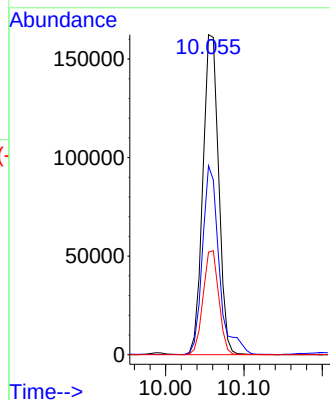
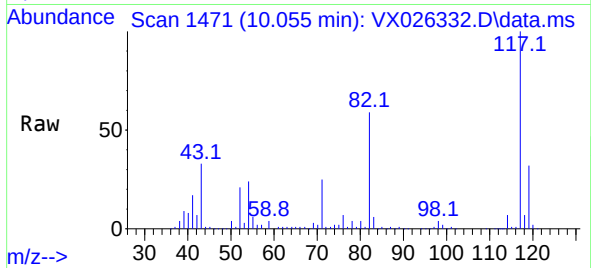




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

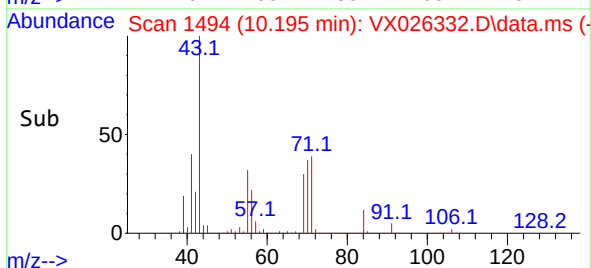
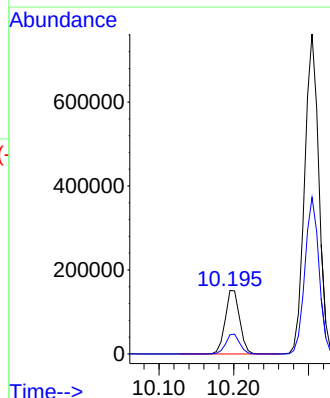
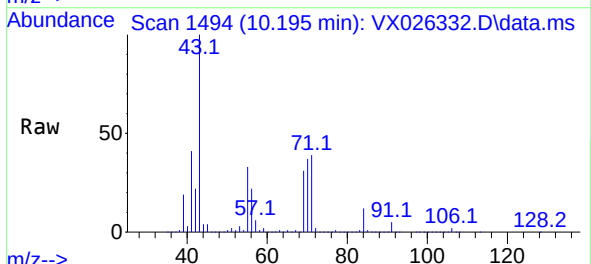
Instrument :
MSVOA_X
ClientSampleId :
40570

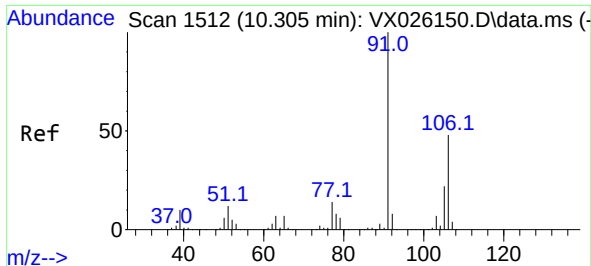
Tgt Ion:117 Resp: 226994
Ion Ratio Lower Upper
117 100
82 59.0 43.8 65.6
119 32.1 25.2 37.8



#67
Ethyl Benzene
Concen: 22.818 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion: 91 Resp: 203454
Ion Ratio Lower Upper
91 100
106 30.3 25.7 38.5

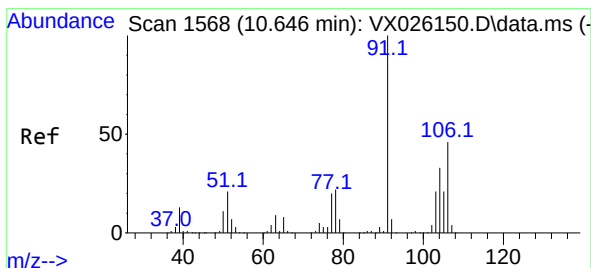
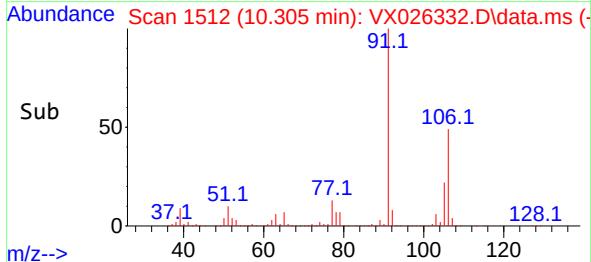
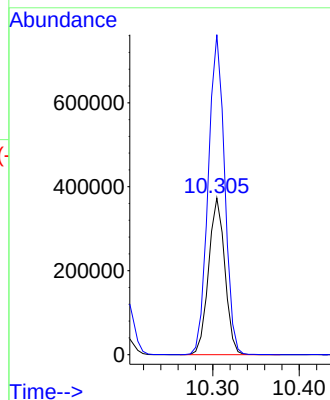
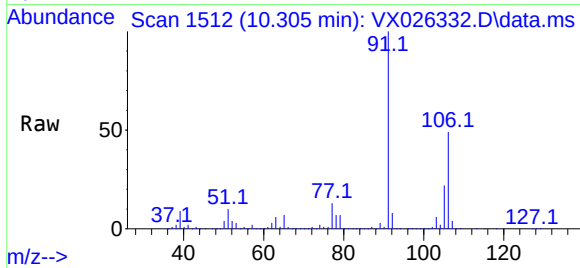




#68
m/p-Xylenes
Concen: 146.037 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

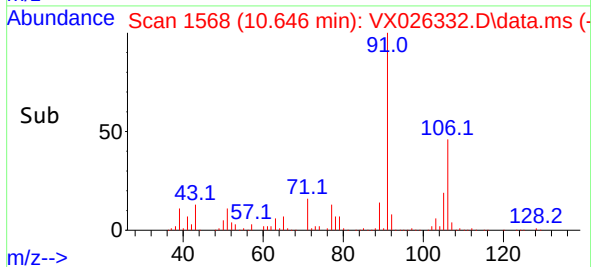
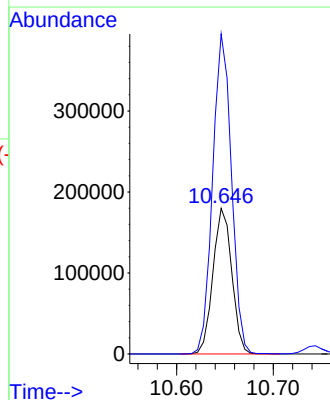
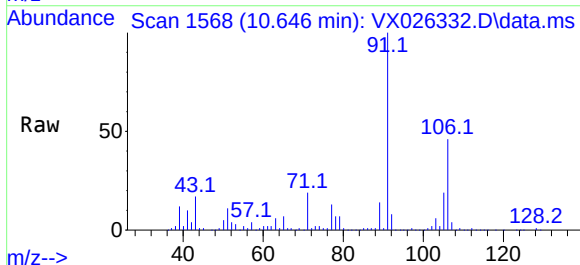
Instrument :
MSVOA_X
ClientSampleId :
40570

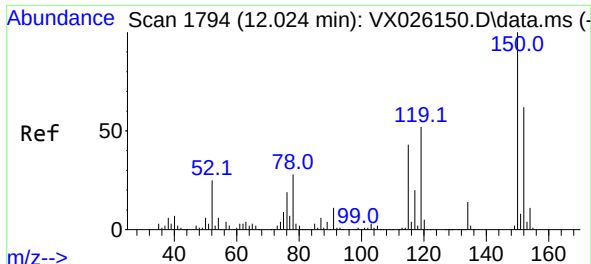
Tgt Ion:106 Resp: 486177
Ion Ratio Lower Upper
106 100
91 205.9 158.6 238.0



#69
o-Xylene
Concen: 74.625 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion:106 Resp: 243079
Ion Ratio Lower Upper
106 100
91 219.4 105.5 316.4

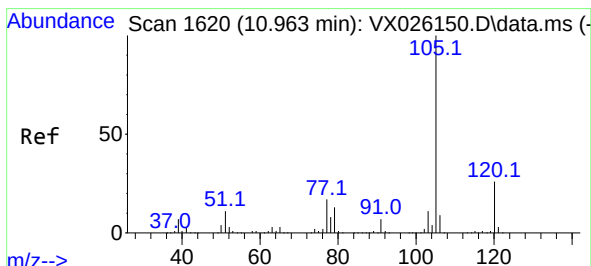
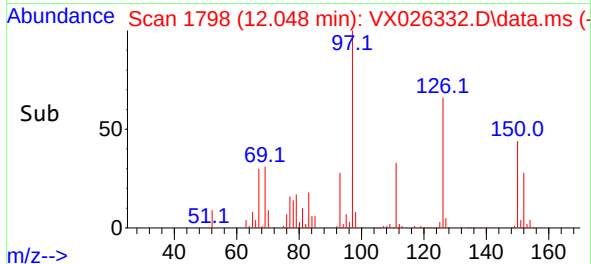
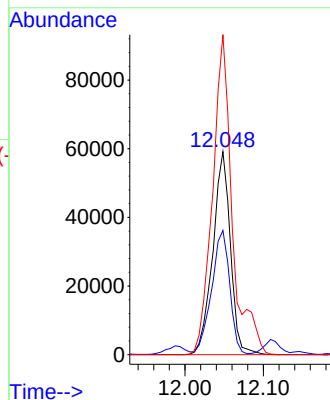
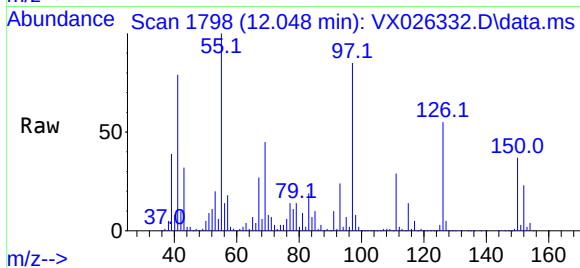




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.048 min Scan# 11
Delta R.T. 0.024 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

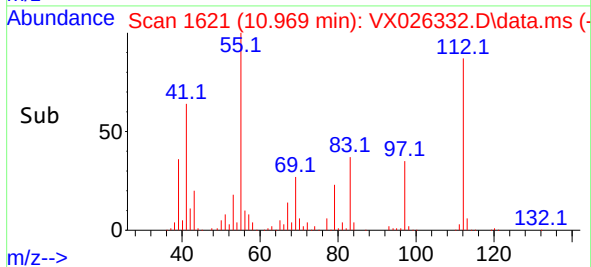
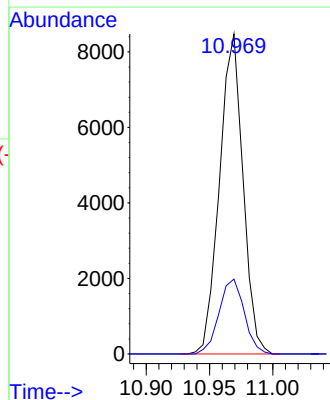
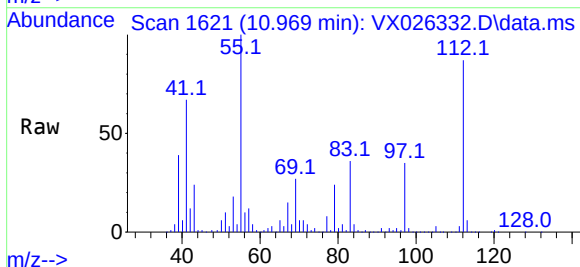
Instrument :
MSVOA_X
ClientSampleId :
40570

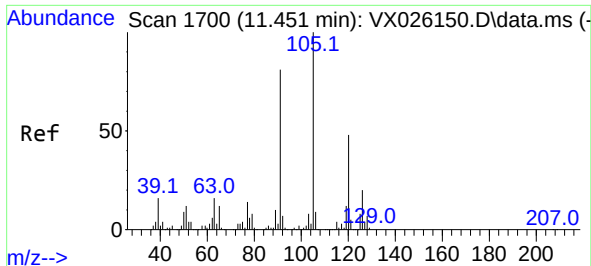
Tgt Ion:152 Resp: 92554
Ion Ratio Lower Upper
152 100
115 62.5 41.3 123.9
150 175.8 0.0 351.8



#73
Isopropylbenzene
Concen: 1.517 ug/l
RT: 10.969 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion:105 Resp: 10914
Ion Ratio Lower Upper
105 100
120 25.1 13.6 40.7

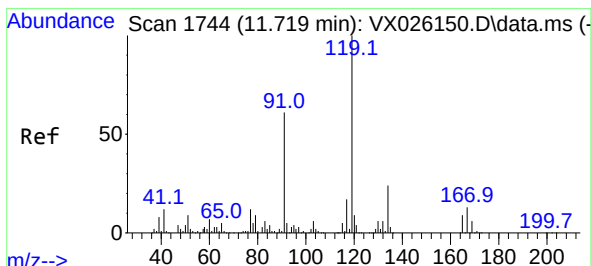
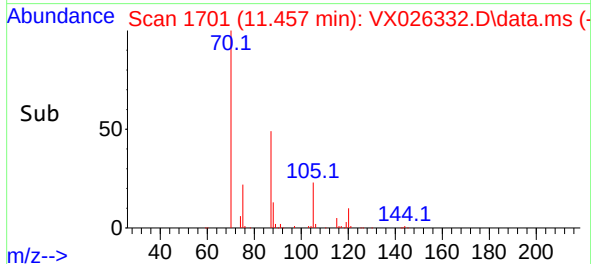
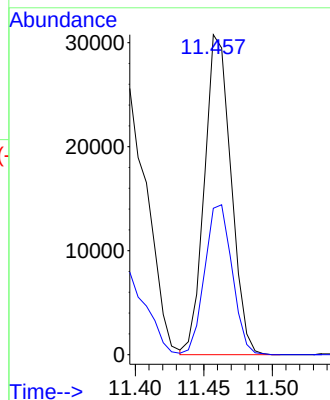
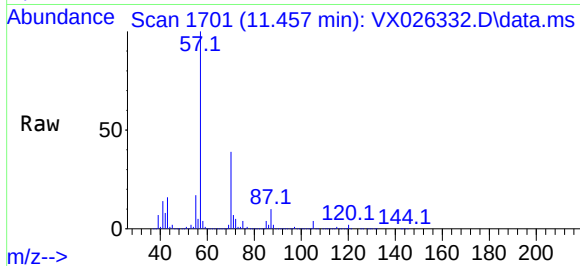




#80
1,3,5-Trimethylbenzene
Concen: 6.956 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

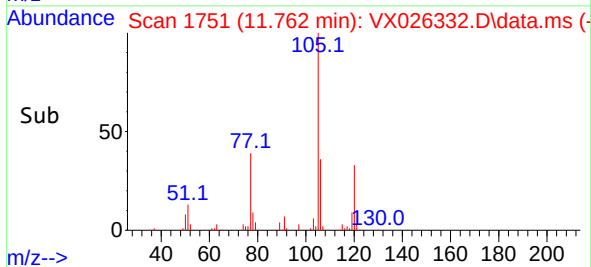
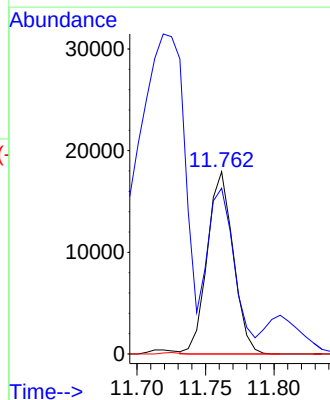
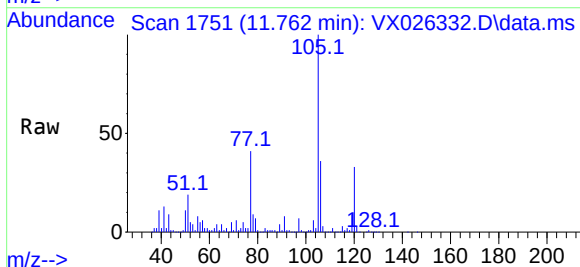
Instrument :
MSVOA_X
ClientSampleId :
40570

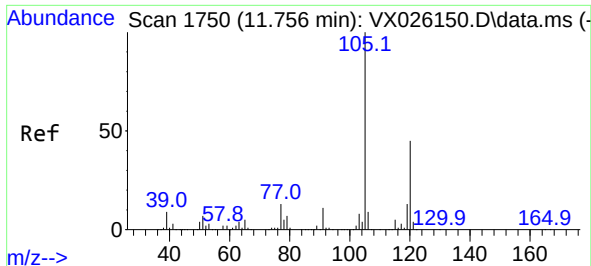
Tgt Ion:105 Resp: 41529
Ion Ratio Lower Upper
105 100
120 48.3 24.9 74.7



#83
tert-Butylbenzene
Concen: 4.087 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.043 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion:119 Resp: 23686
Ion Ratio Lower Upper
119 100
91 80.2 28.7 86.1
134 0.0 11.9 35.9#

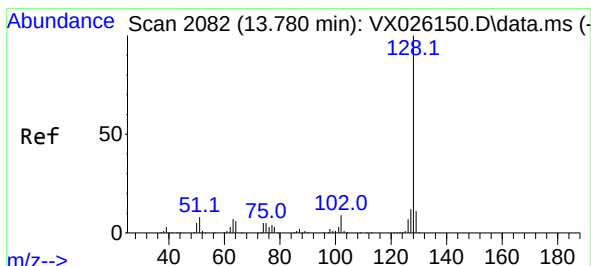
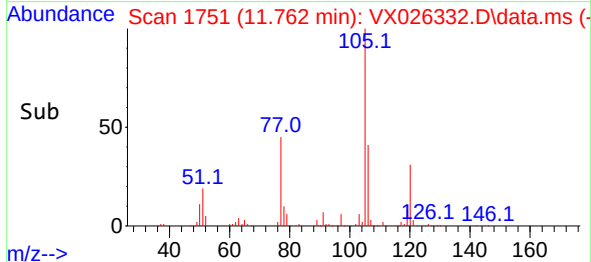
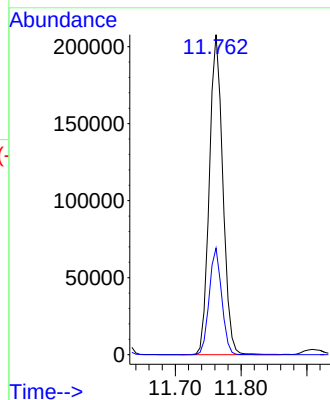
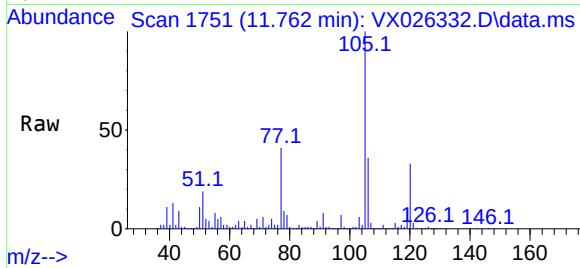




#84
1,2,4-Trimethylbenzene
Concen: 49.585 ug/l
RT: 11.762 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Instrument :
MSVOA_X
ClientSampleId :
40570

Tgt Ion:105 Resp: 295799
Ion Ratio Lower Upper
105 100
120 30.8 22.9 68.7



#95
Naphthalene
Concen: 48.477 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX026332.D
Acq: 05 Jan 2022 19:06

Tgt Ion:128 Resp: 346769
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.1 8.8 13.2

