

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031822\
 Data File : VX027523.D
 Acq On : 18 Mar 2022 13:21
 Operator : JC/MD
 Sample : N1997-12DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 19 03:06:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

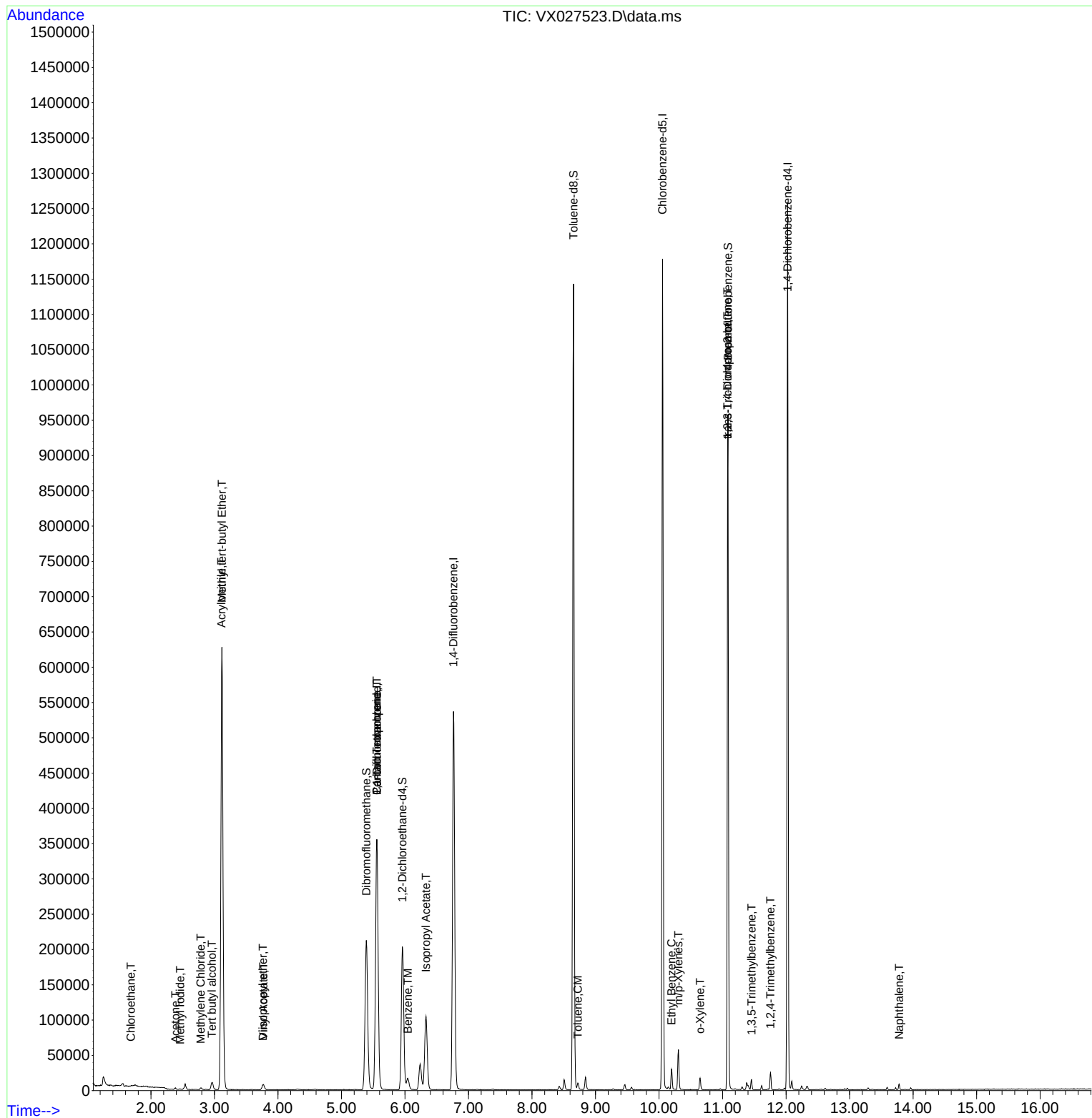
Internal Standards						
1) Pentafluorobenzene	5.556	168	363230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	583485	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	556276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	271547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	199472	44.578	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 89.160%			
35) Dibromofluoromethane	5.391	113	189880	50.580	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.160%			
50) Toluene-d8	8.653	98	698463	49.168	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 98.340%			
62) 4-Bromofluorobenzene	11.085	95	262782	50.328	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.660%			
Target Compounds						Qvalue
5) Bromomethane	1.617	94	415	Below Cal		89
6) Chloroethane	1.685	64	544	0.248 ug/l #		43
10) Methyl Iodide	2.459	142	1235	0.265 ug/l #		96
11) Tert butyl alcohol	2.959	59	12445	14.593 ug/l #		72
15) Acrylonitrile	3.111	53	7725	3.985 ug/l #		31
16) Acetone	2.386	43	2084	1.143 ug/l		98
19) Methyl tert-butyl Ether	3.117	73	723739	63.599 ug/l		100
20) Methylene Chloride	2.782	84	1172	0.299 ug/l #		73
22) Diisopropyl ether	3.763	45	8195	0.795 ug/l #		84
23) Vinyl Acetate	3.770	43	4077	0.455 ug/l #		66
36) 1,1-Dichloropropene	5.556	75	23765	4.632 ug/l #		49
38) Carbon Tetrachloride	5.556	117	34571	5.890 ug/l #		16
40) Benzene	6.044	78	19737	1.341 ug/l		94
43) Isopropyl Acetate	6.330	43	33723	4.099 ug/l #		5
52) Toluene	8.720	92	3718	0.377 ug/l		95
67) Ethyl Benzene	10.195	91	17659	0.902 ug/l		97
68) m/p-Xylenes	10.305	106	14262	1.849 ug/l		98
69) o-Xylene	10.646	106	3988	0.533 ug/l		97
76) 1,2,3-Trichloropropane	11.079	75	122576	21.581 ug/l #		38
80) 1,3,5-Trimethylbenzene	11.457	105	6104	0.367 ug/l		100
81) trans-1,4-Dichloro-2-b...	11.079	75	122576	65.542 ug/l #		15
84) 1,2,4-Trimethylbenzene	11.756	105	11360	0.684 ug/l		98
95) Naphthalene	13.780	128	5543	0.295 ug/l		98

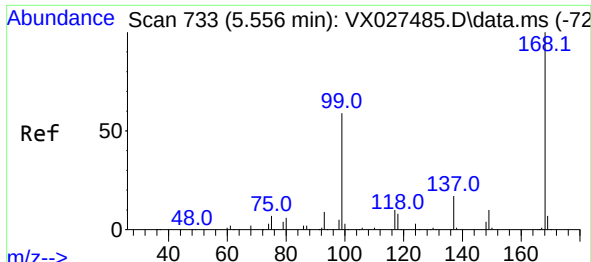
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX027523.D
Acq On : 18 Mar 2022 13:21
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

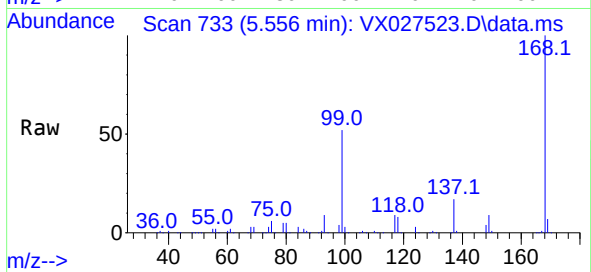
Quant Time: Mar 19 03:06:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration



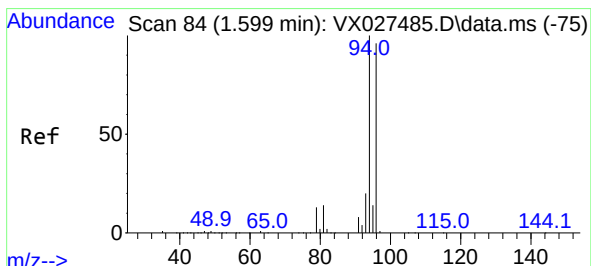
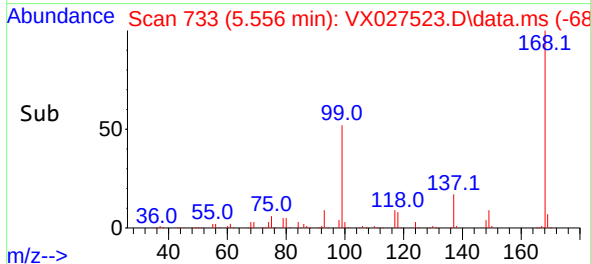
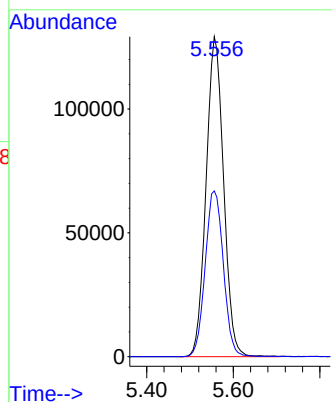


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Instrument :
MSVOA_X
ClientSampleId :

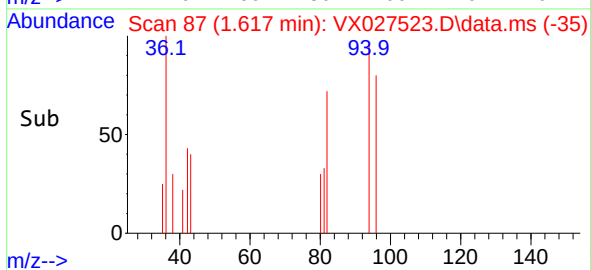
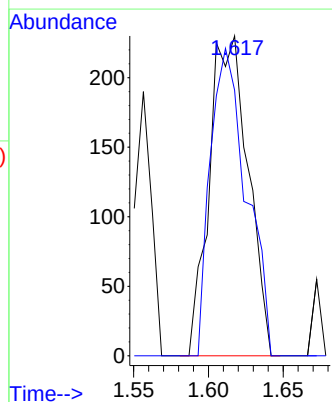
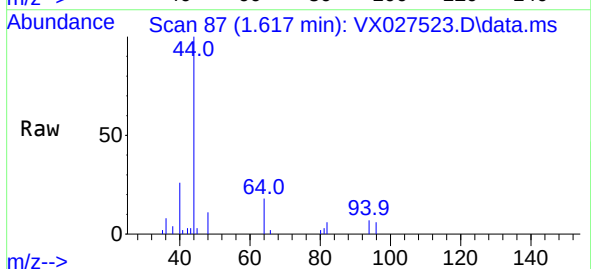


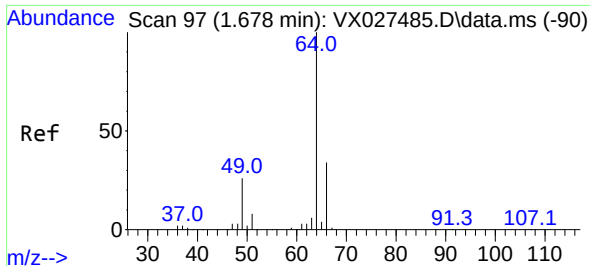
Tgt Ion:168 Resp: 363230
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 94 Resp: 415
Ion Ratio Lower Upper
94 100
96 83.0 75.3 112.9

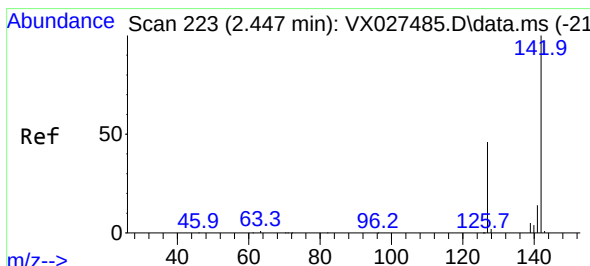
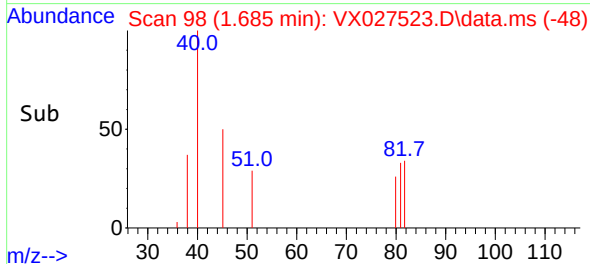
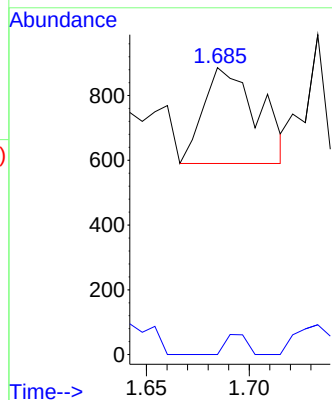
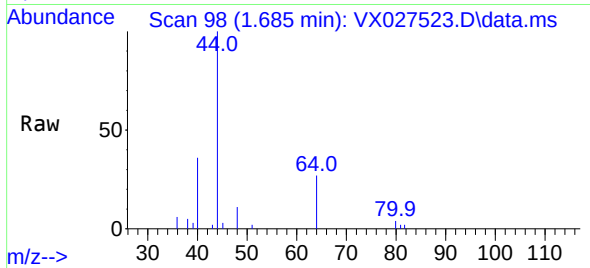




#6
Chloroethane
Concen: 0.248 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

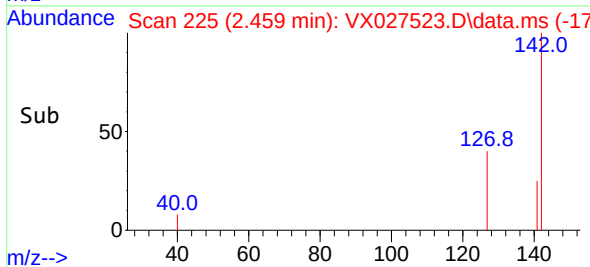
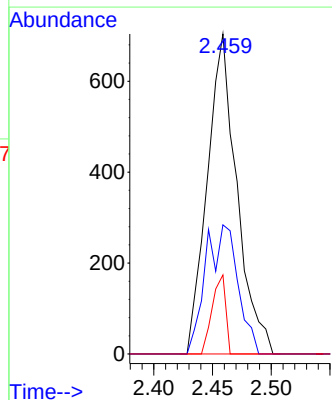
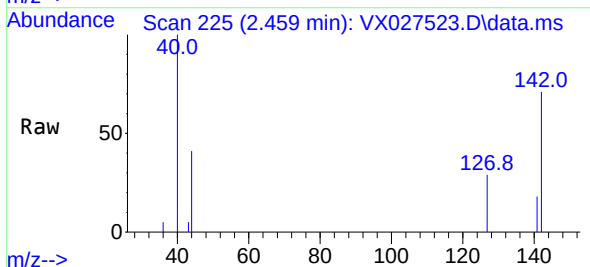
Instrument :
MSVOA_X
ClientSampleId :

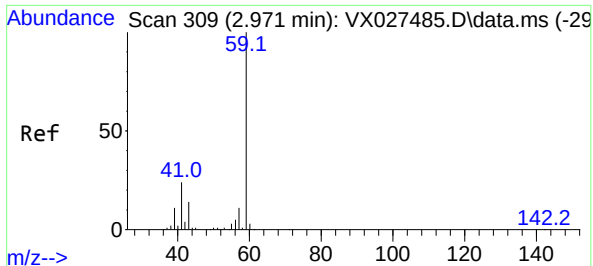
Tgt Ion: 64 Resp: 544
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.265 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.012 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 142 Resp: 1235
Ion Ratio Lower Upper
142 100
127 43.8 33.9 50.9
141 11.2 11.4 17.2#





#11

Tert butyl alcohol

Concen: 14.593 ug/l

RT: 2.959 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Instrument :

MSVOA_X

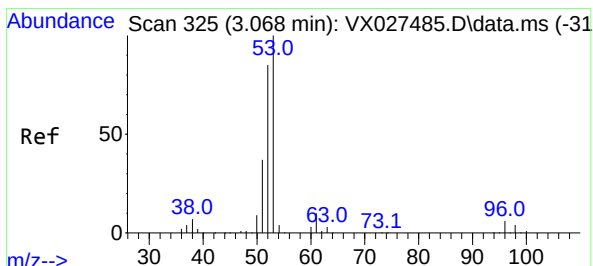
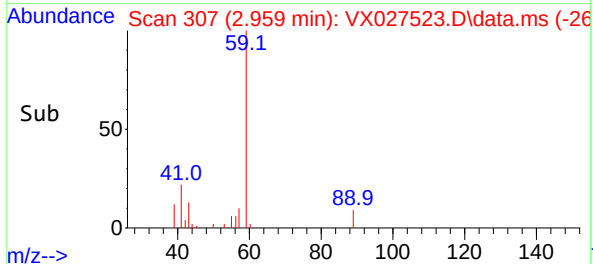
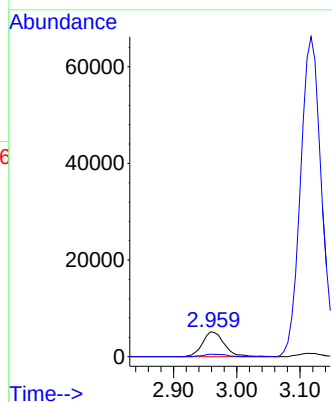
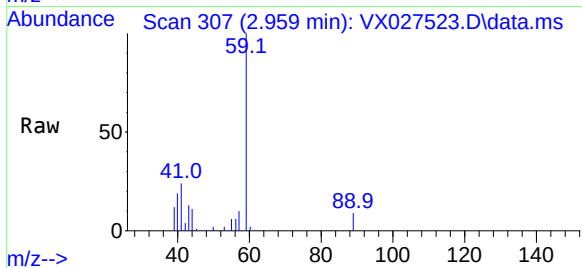
ClientSampleId :

Tgt Ion: 59 Resp: 12445

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#15

Acrylonitrile

Concen: 3.985 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.043 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

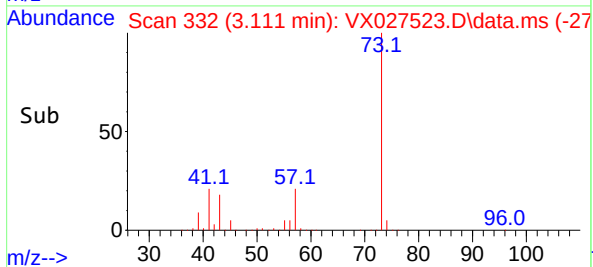
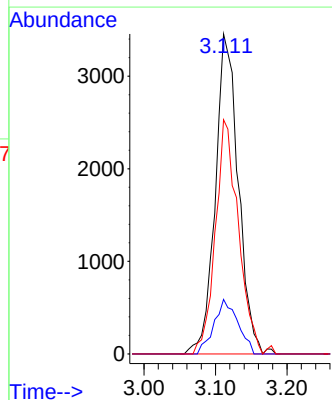
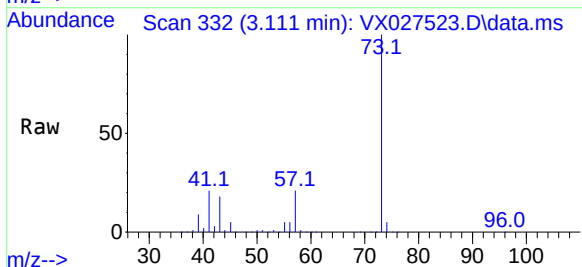
Tgt Ion: 53 Resp: 7725

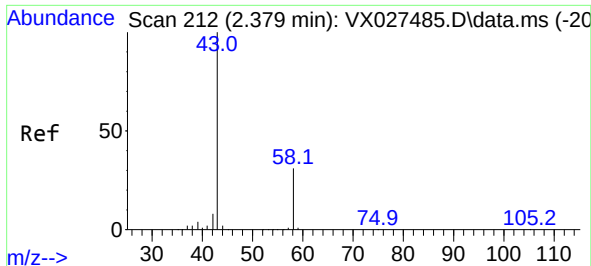
Ion Ratio Lower Upper

53 100

52 17.7 65.7 98.5#

51 72.6 28.4 42.6#

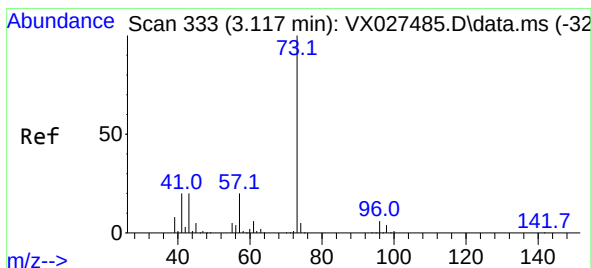
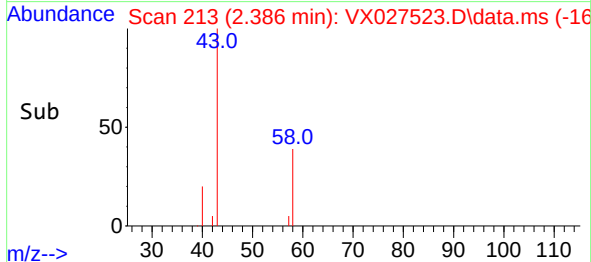
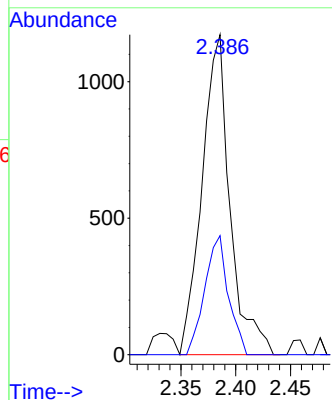
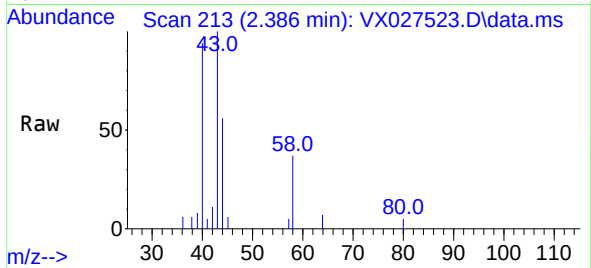




#16
Acetone
Concen: 1.143 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

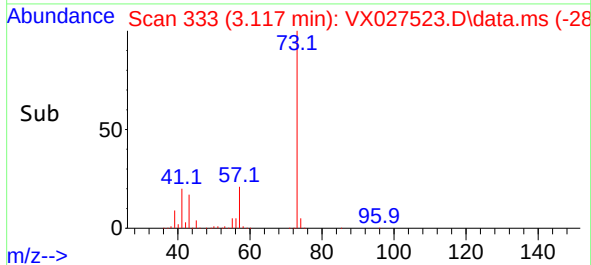
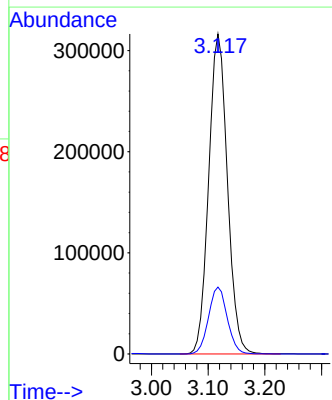
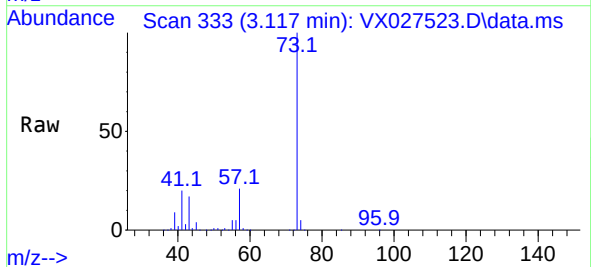
Instrument :
MSVOA_X
ClientSampleId :

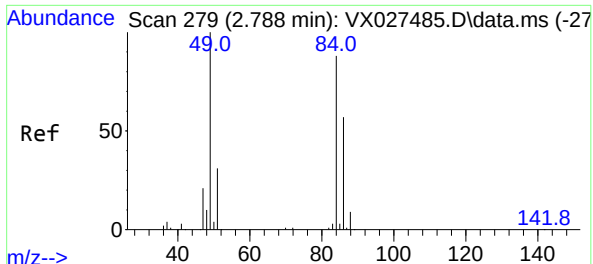
Tgt Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
58 37.2 28.8 43.2



#19
Methyl tert-butyl Ether
Concen: 63.599 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 73 Resp: 723739
Ion Ratio Lower Upper
73 100
57 20.9 16.8 25.2





#20

Methylene Chloride

Concen: 0.299 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

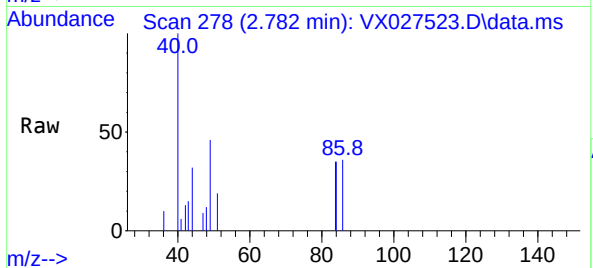
Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1172

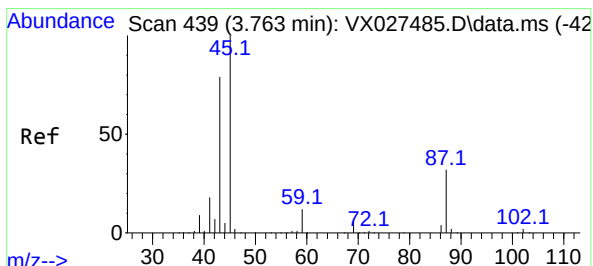
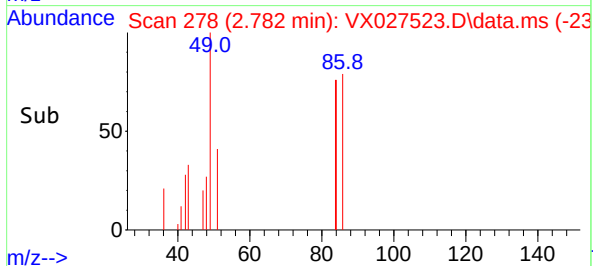
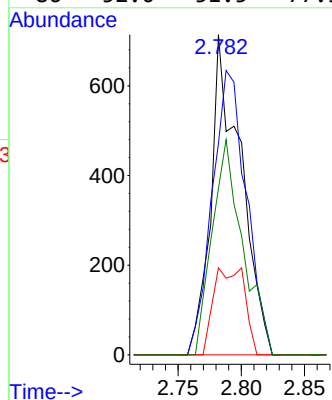
Ion Ratio Lower Upper

84 100

49 66.0 85.5 128.3#

51 27.2 26.6 39.8

86 52.0 51.5 77.3



#22

Diisopropyl ether

Concen: 0.795 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Tgt Ion: 45 Resp: 8195

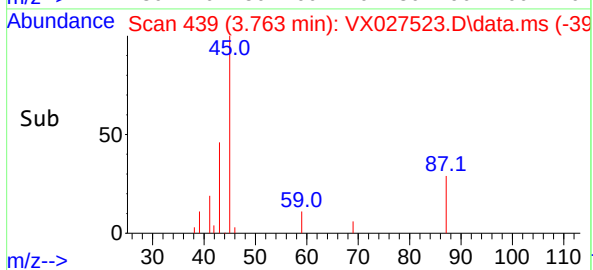
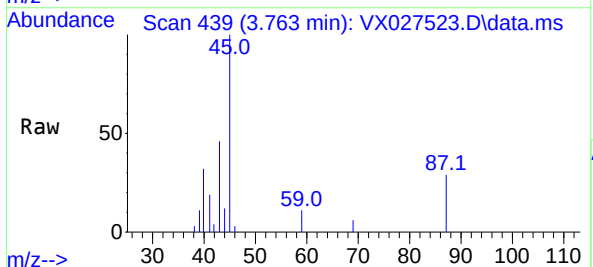
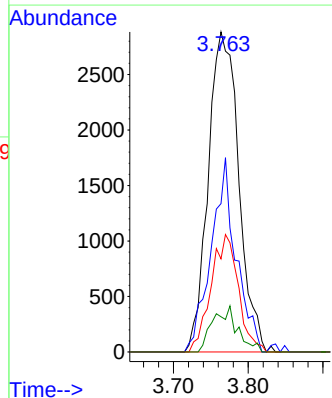
Ion Ratio Lower Upper

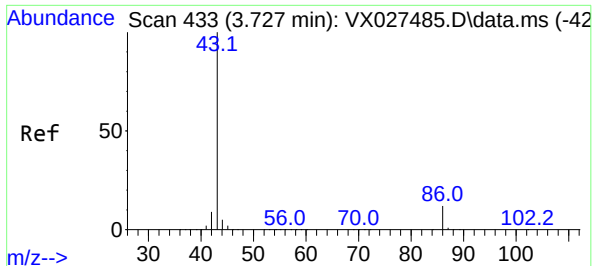
45 100

43 46.4 50.8 76.2#

87 29.1 26.6 39.8

59 11.0 10.5 15.7

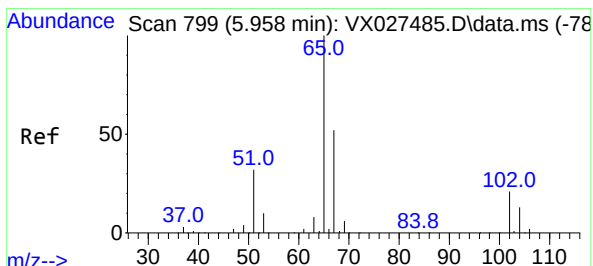
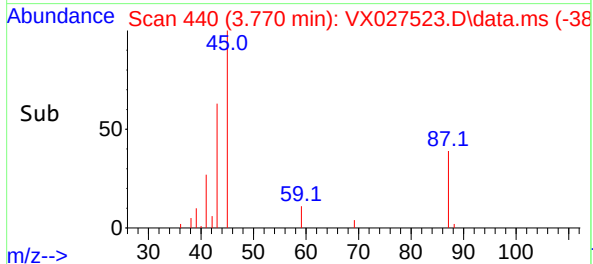
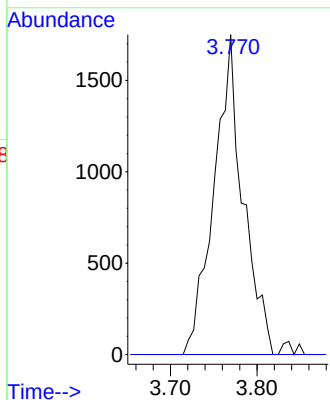
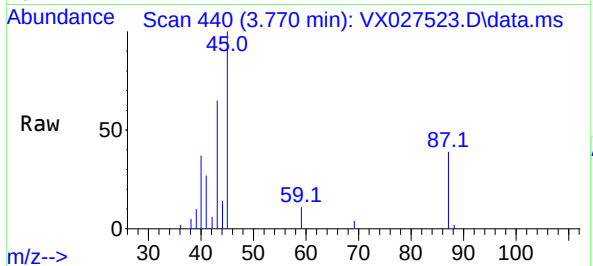




#23
 Vinyl Acetate
 Concen: 0.455 ug/l
 RT: 3.770 min Scan# 44
 Delta R.T. 0.043 min
 Lab File: VX027523.D
 Acq: 18 Mar 2022 13:21

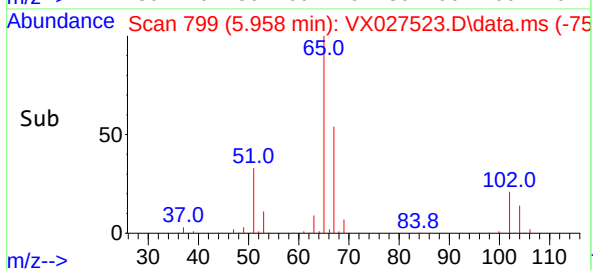
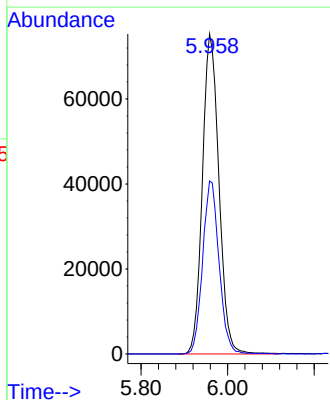
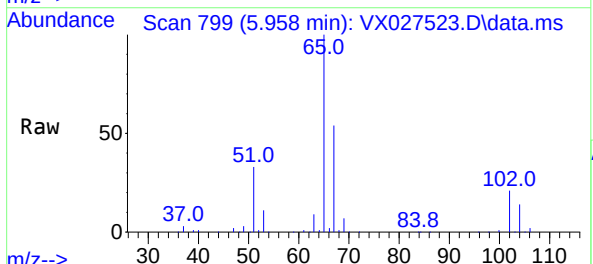
Instrument :
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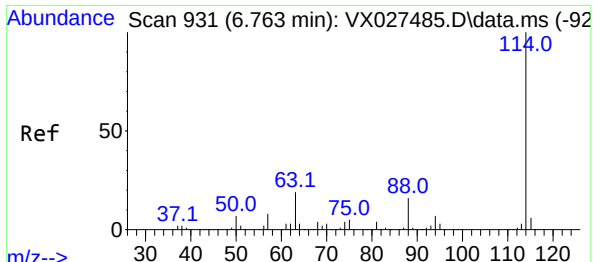
Tgt Ion: 43 Resp: 4077
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.8 16.2#



#33
 1,2-Dichloroethane-d4
 Concen: 44.578 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX027523.D
 Acq: 18 Mar 2022 13:21

Tgt Ion: 65 Resp: 199472
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :

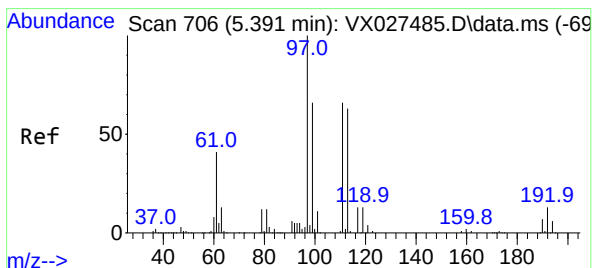
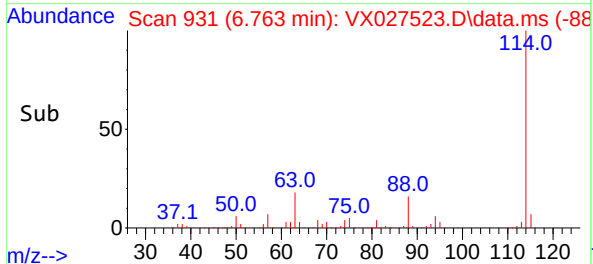
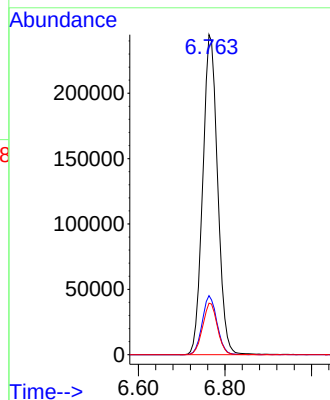
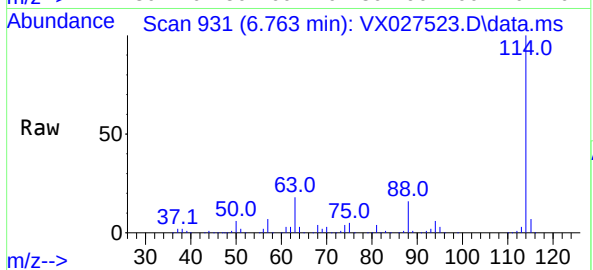
Tgt Ion:114 Resp: 583485

Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 16.1 0.0 32.4



#35

Dibromofluoromethane

Concen: 50.580 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

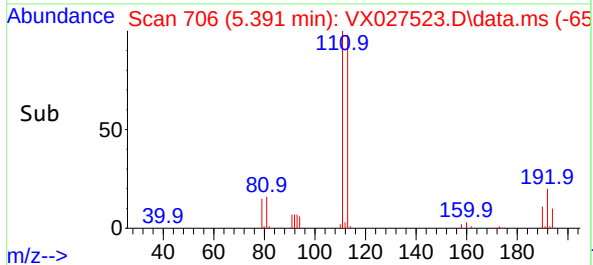
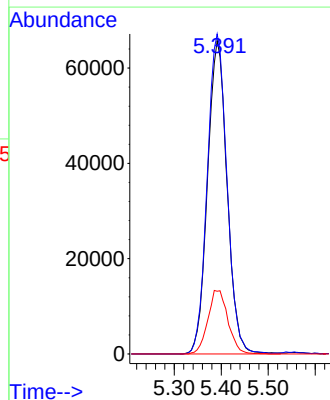
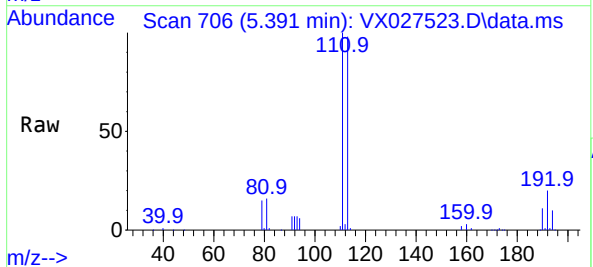
Tgt Ion:113 Resp: 189880

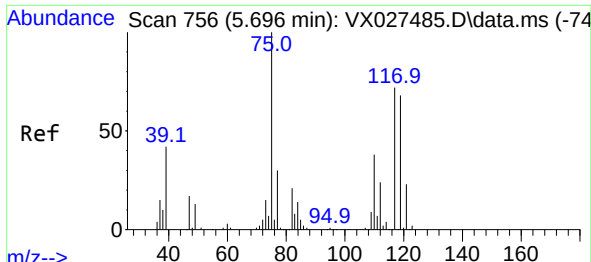
Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

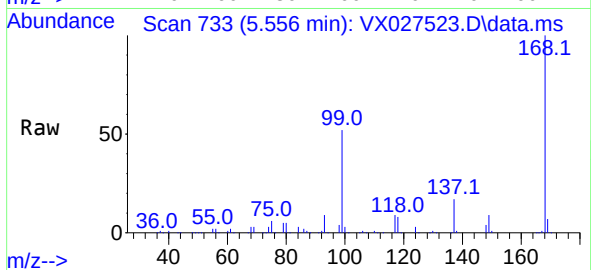
192 20.9 16.9 25.3



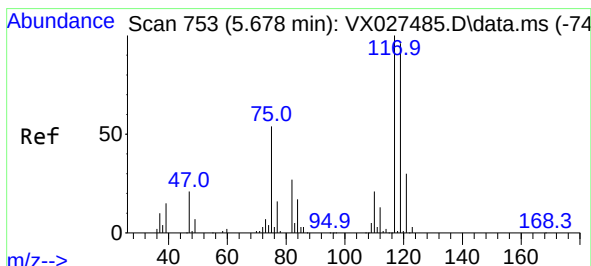
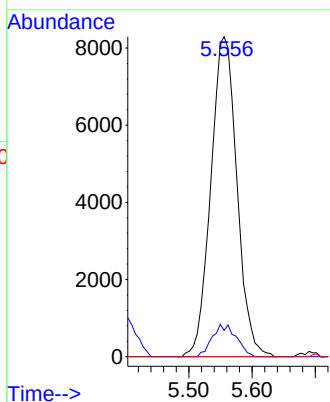
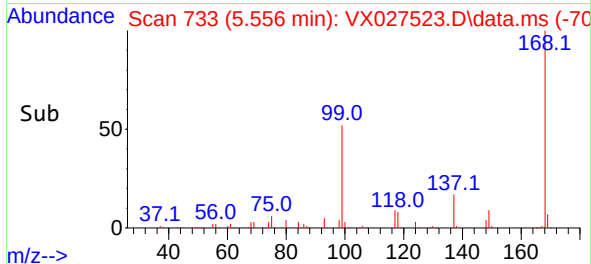


#36
1,1-Dichloropropene
Concen: 4.632 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

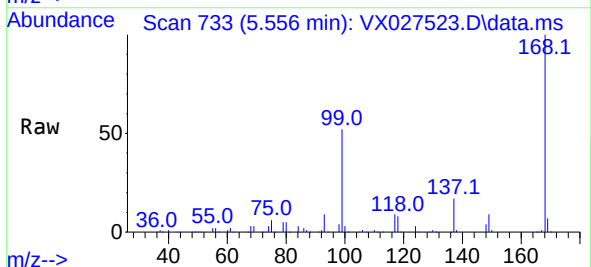
Instrument :
MSVOA_X
ClientSampleId :



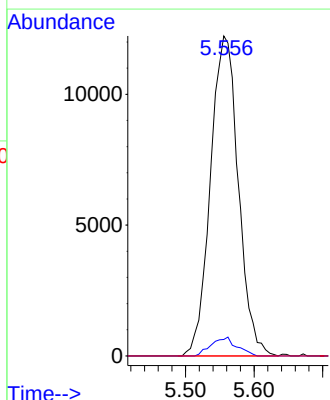
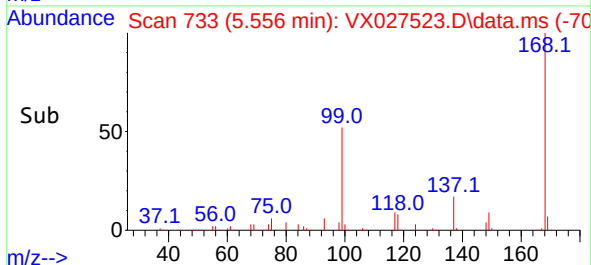
Tgt Ion: 75 Resp: 23765
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#

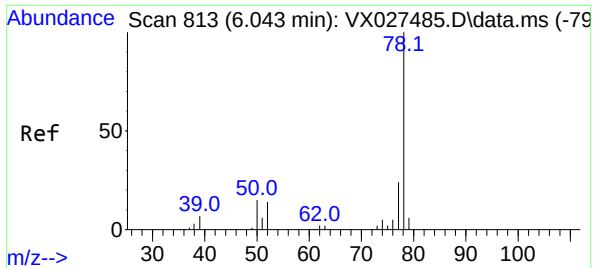


#38
Carbon Tetrachloride
Concen: 5.890 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21



Tgt Ion: 117 Resp: 34571
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#

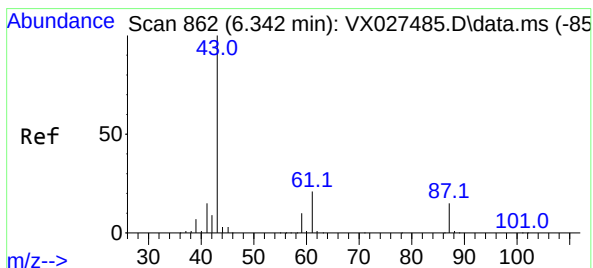
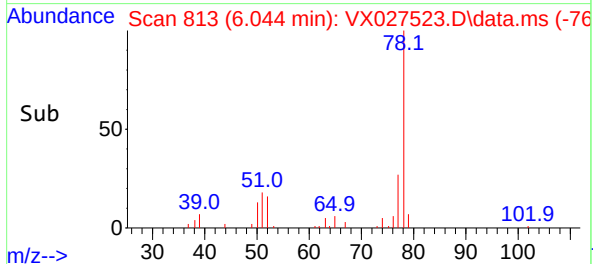
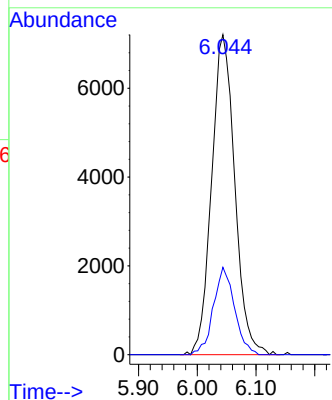
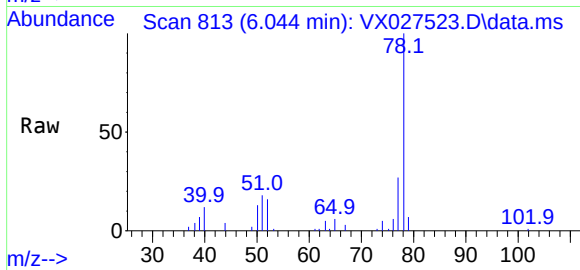




#40
Benzene
Concen: 1.341 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

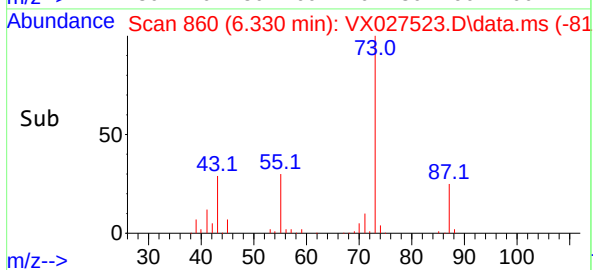
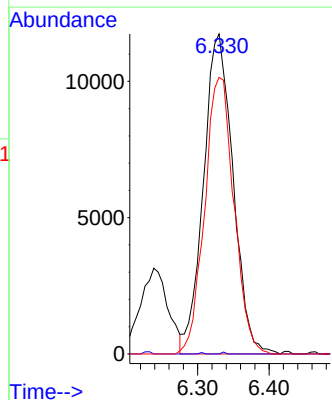
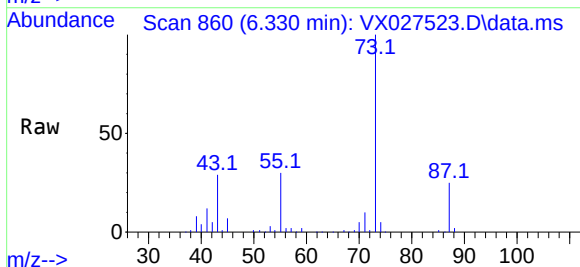
Instrument :
MSVOA_X
ClientSampleId :

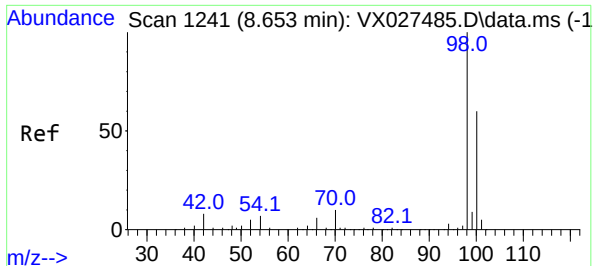
Tgt Ion: 78 Resp: 19737
Ion Ratio Lower Upper
78 100
77 27.3 19.3 28.9



#43
Isopropyl Acetate
Concen: 4.099 ug/l
RT: 6.330 min Scan# 860
Delta R.T. -0.012 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 43 Resp: 33723
Ion Ratio Lower Upper
43 100
61 0.1 18.5 27.7#
87 85.5 13.0 19.6#

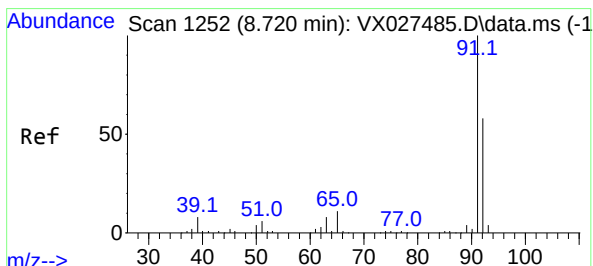
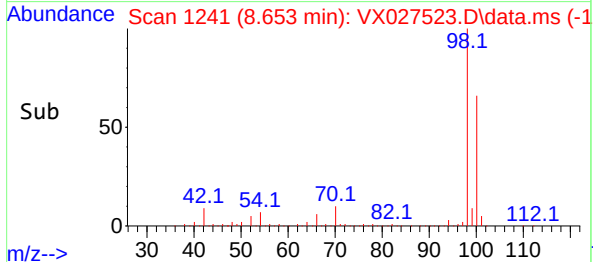
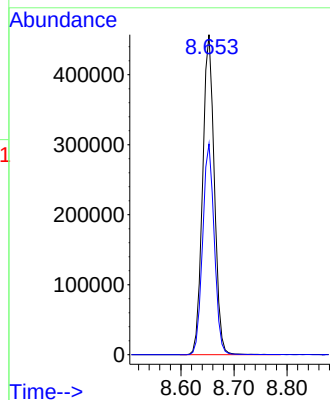
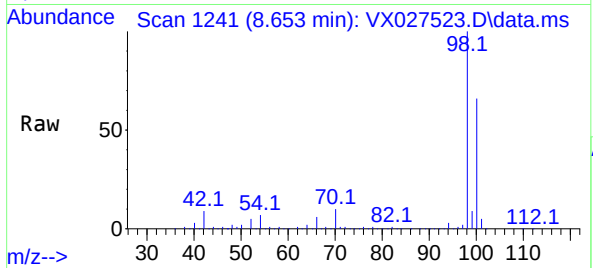




#50
Toluene-d8
Concen: 49.168 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

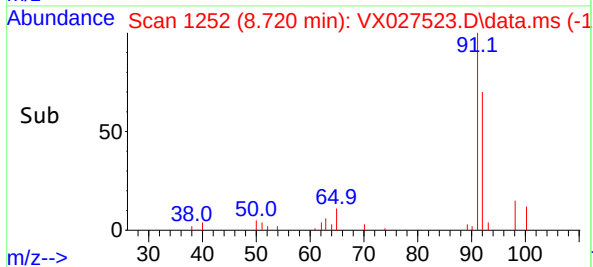
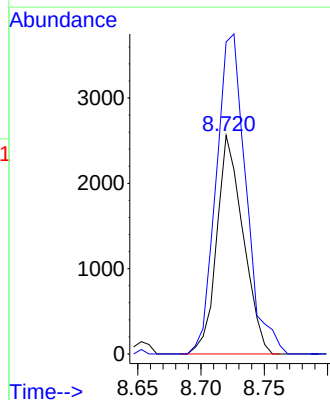
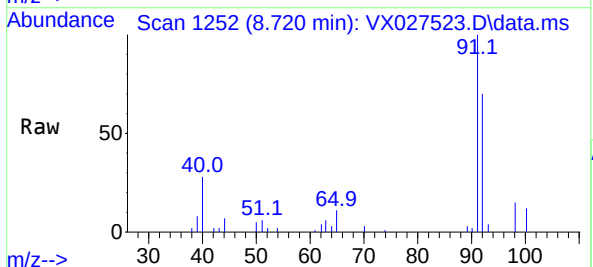
Instrument :
MSVOA_X
ClientSampleId :

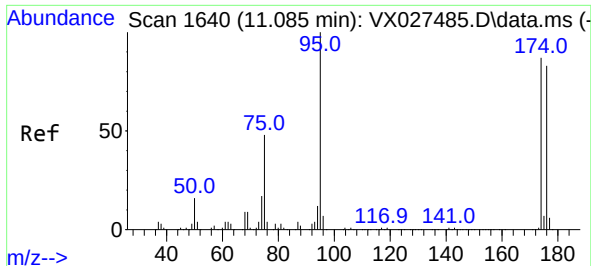
Tgt Ion: 98 Resp: 698463
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#52
Toluene
Concen: 0.377 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

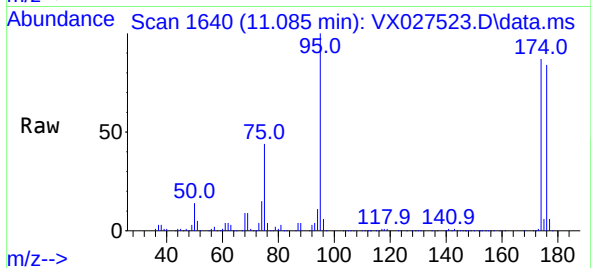
Tgt Ion: 92 Resp: 3718
Ion Ratio Lower Upper
92 100
91 165.3 137.5 206.3



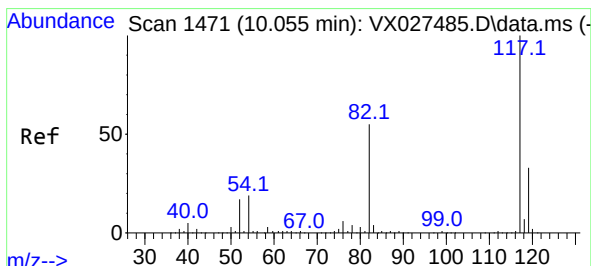
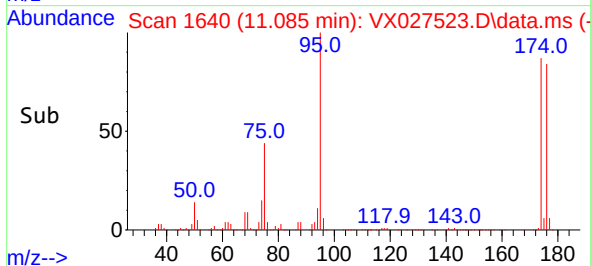
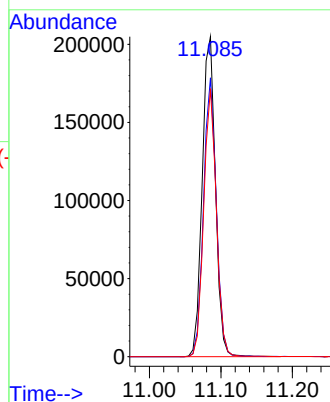


#62
4-Bromofluorobenzene
Concen: 50.328 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Instrument :
MSVOA_X
ClientSampleId :

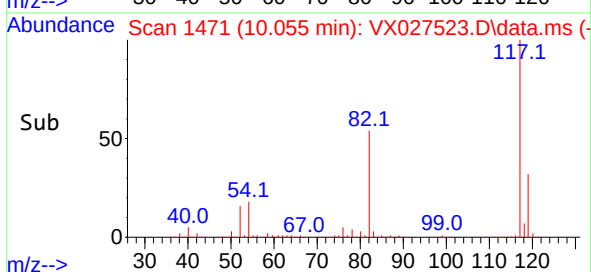
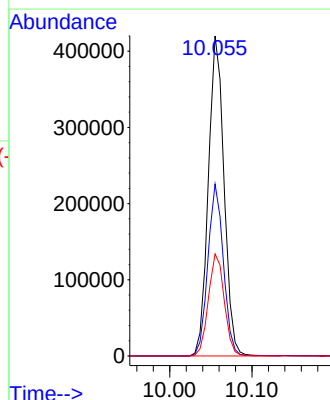
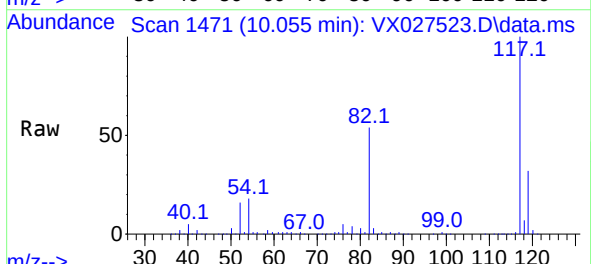


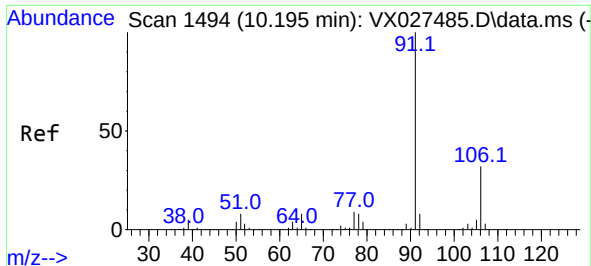
Tgt Ion: 95 Resp: 262782
Ion Ratio Lower Upper
95 100
174 84.2 0.0 163.0
176 80.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 117 Resp: 556276
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 31.9 24.8 37.2





#67

Ethyl Benzene

Concen: 0.902 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Instrument :

MSVOA_X

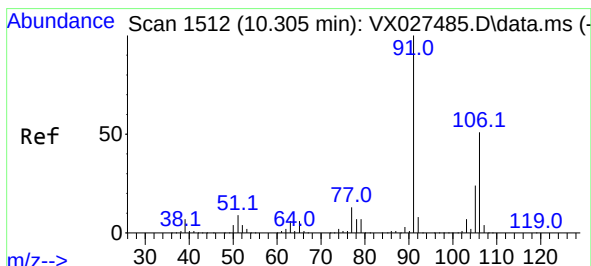
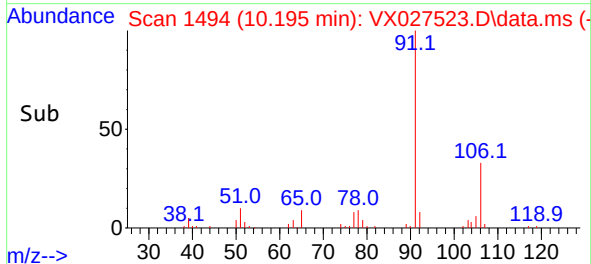
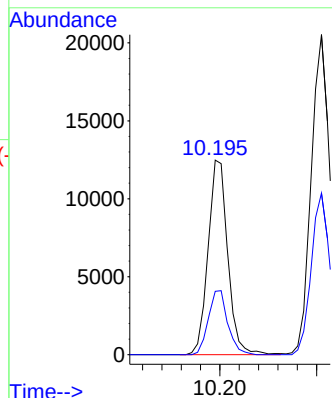
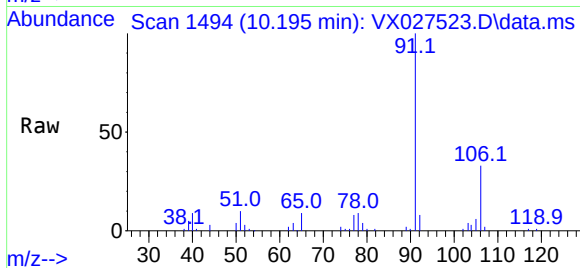
ClientSampleId :

Tgt Ion: 91 Resp: 17659

Ion Ratio Lower Upper

91 100

106 32.5 24.6 36.8



#68

m/p-Xylenes

Concen: 1.849 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VX027523.D

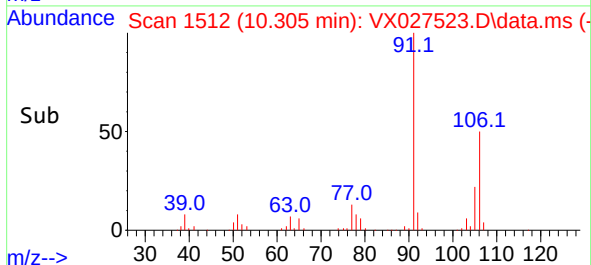
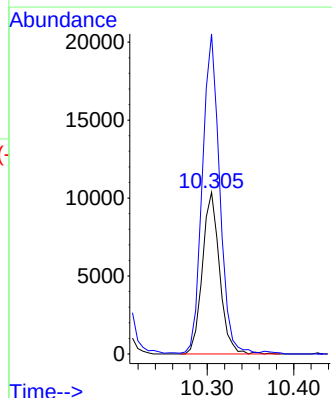
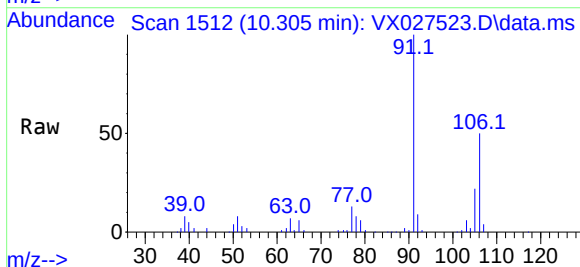
Acq: 18 Mar 2022 13:21

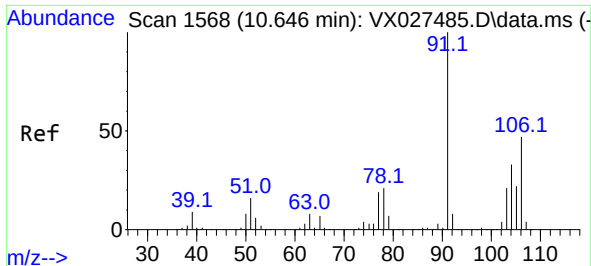
Tgt Ion: 106 Resp: 14262

Ion Ratio Lower Upper

106 100

91 198.1 160.4 240.6

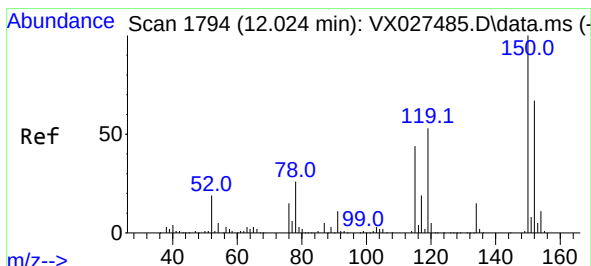
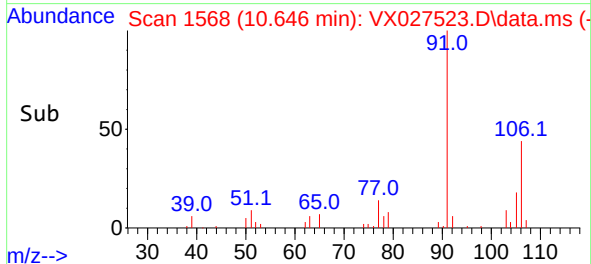
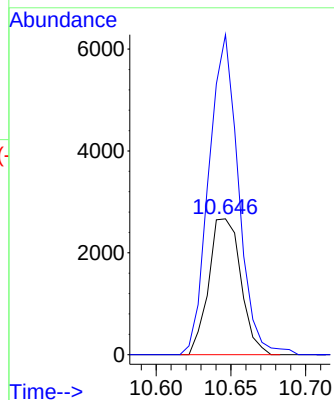
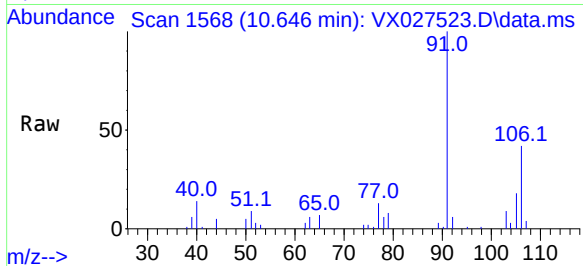




#69
o-Xylene
Concen: 0.533 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

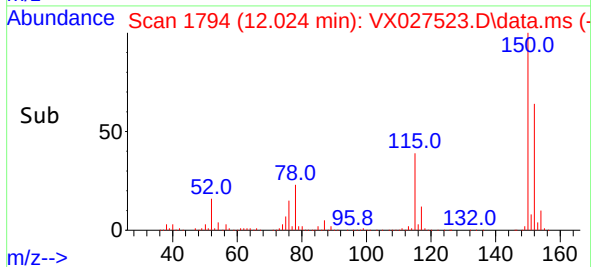
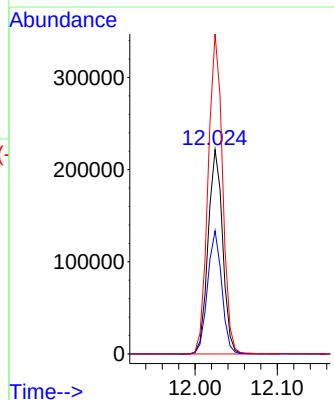
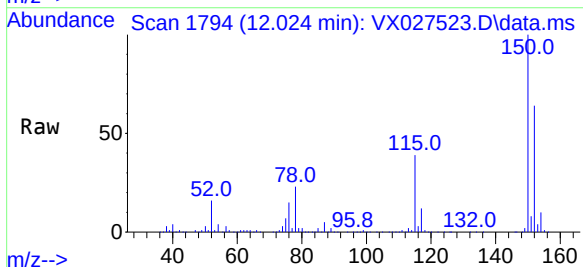
Instrument :
MSVOA_X
ClientSampleId :

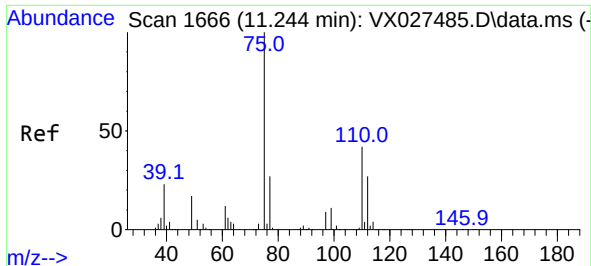
Tgt Ion:106 Resp: 3988
Ion Ratio Lower Upper
106 100
91 217.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion:152 Resp: 271547
Ion Ratio Lower Upper
152 100
115 59.0 37.5 112.7
150 156.1 0.0 338.2

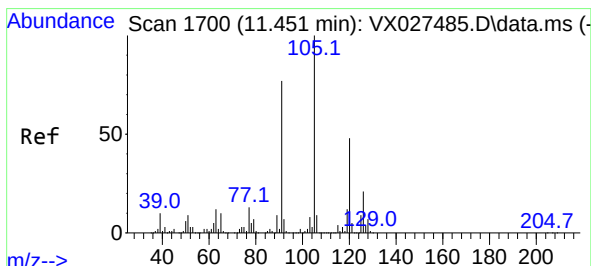
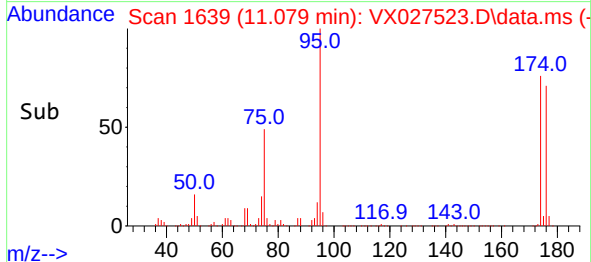
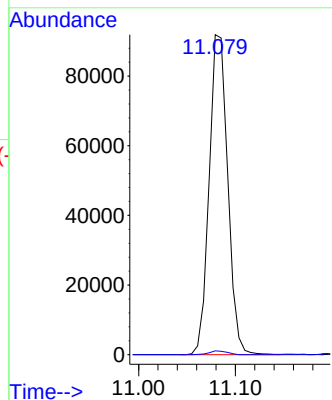
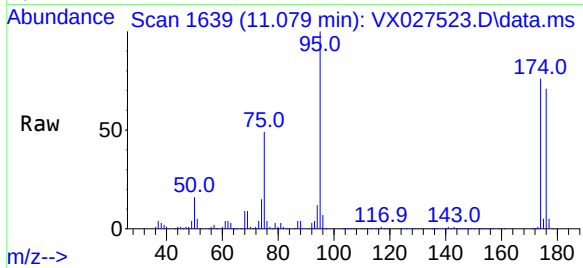




#76
1,2,3-Trichloropropane
Concen: 21.581 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

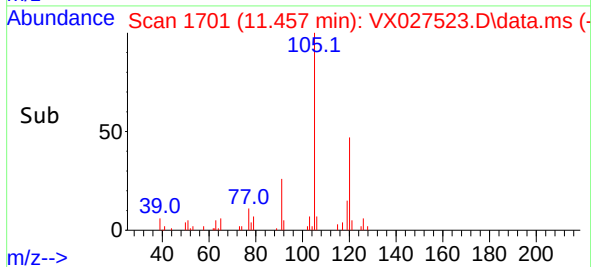
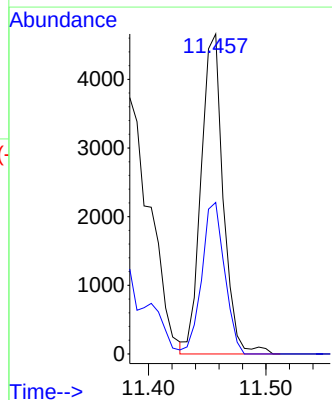
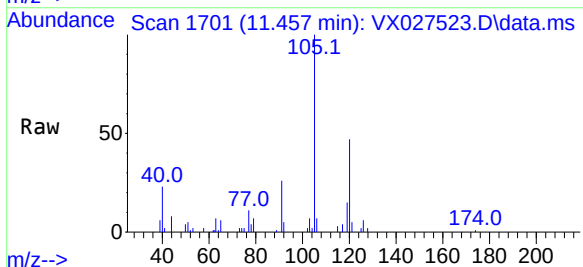
Instrument :
MSVOA_X
ClientSampleId :

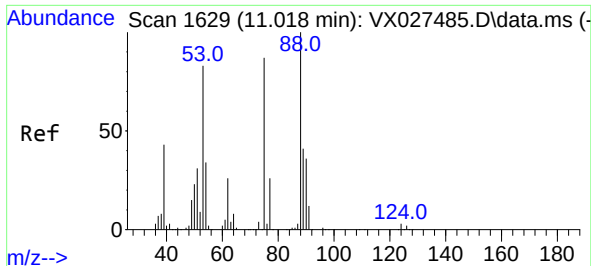
Tgt Ion: 75 Resp: 122576
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.367 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

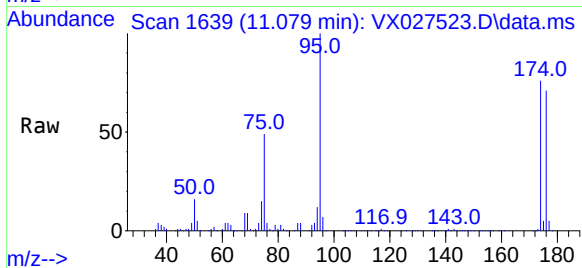
Tgt Ion:105 Resp: 6104
Ion Ratio Lower Upper
105 100
120 48.7 24.3 72.9



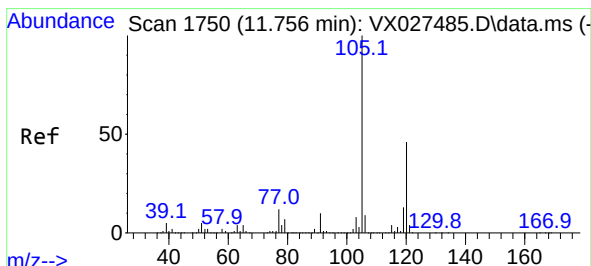
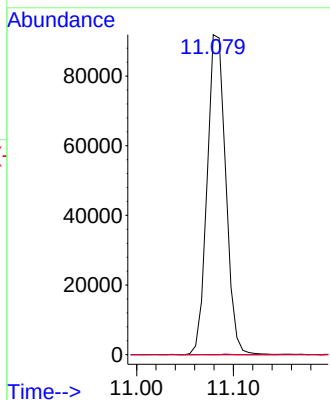
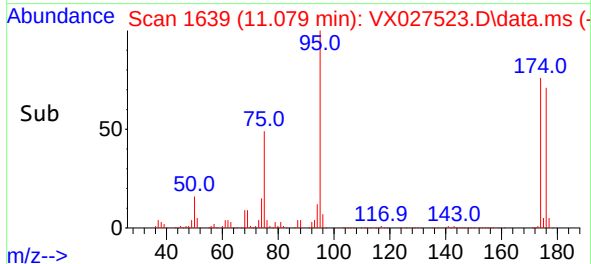


#81
trans-1,4-Dichloro-2-butene
Concen: 65.542 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Instrument :
MSVOA_X
ClientSampleId :

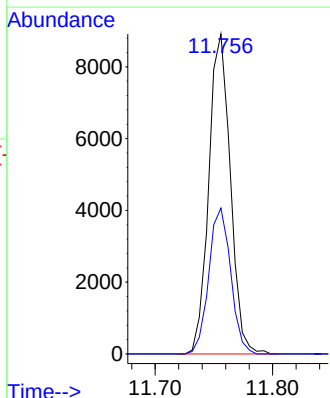
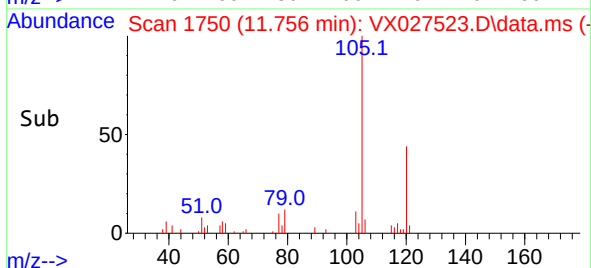
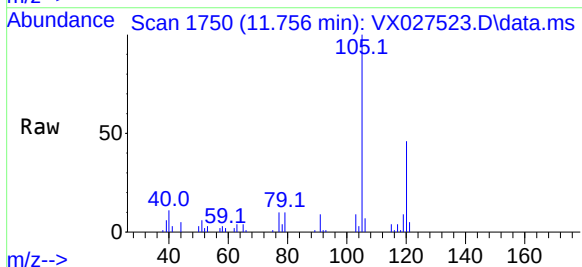


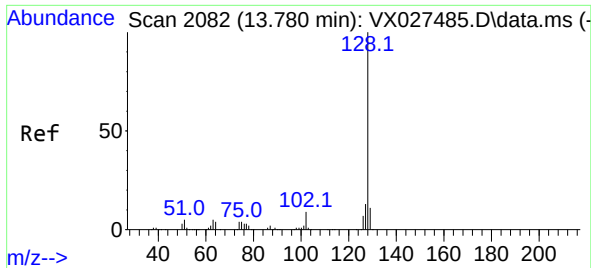
Tgt Ion: 75 Resp: 122576
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.684 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027523.D
Acq: 18 Mar 2022 13:21

Tgt Ion: 105 Resp: 11360
Ion Ratio Lower Upper
105 100
120 46.3 22.6 67.8





#95

Naphthalene

Concen: 0.295 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.000 min

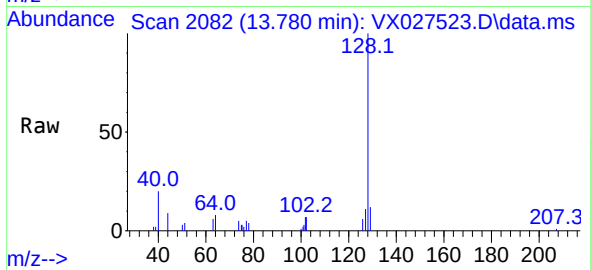
Lab File: VX027523.D

Acq: 18 Mar 2022 13:21

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 5543

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.4

129 10.0 8.7 13.1

