

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
 Data File : VX027404.D
 Acq On : 11 Mar 2022 16:06
 Operator : JC/MD
 Sample : N1815-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PW-1DL

Quant Time: Mar 11 23:12:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 15:54:34 2022
 Response via : Initial Calibration

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

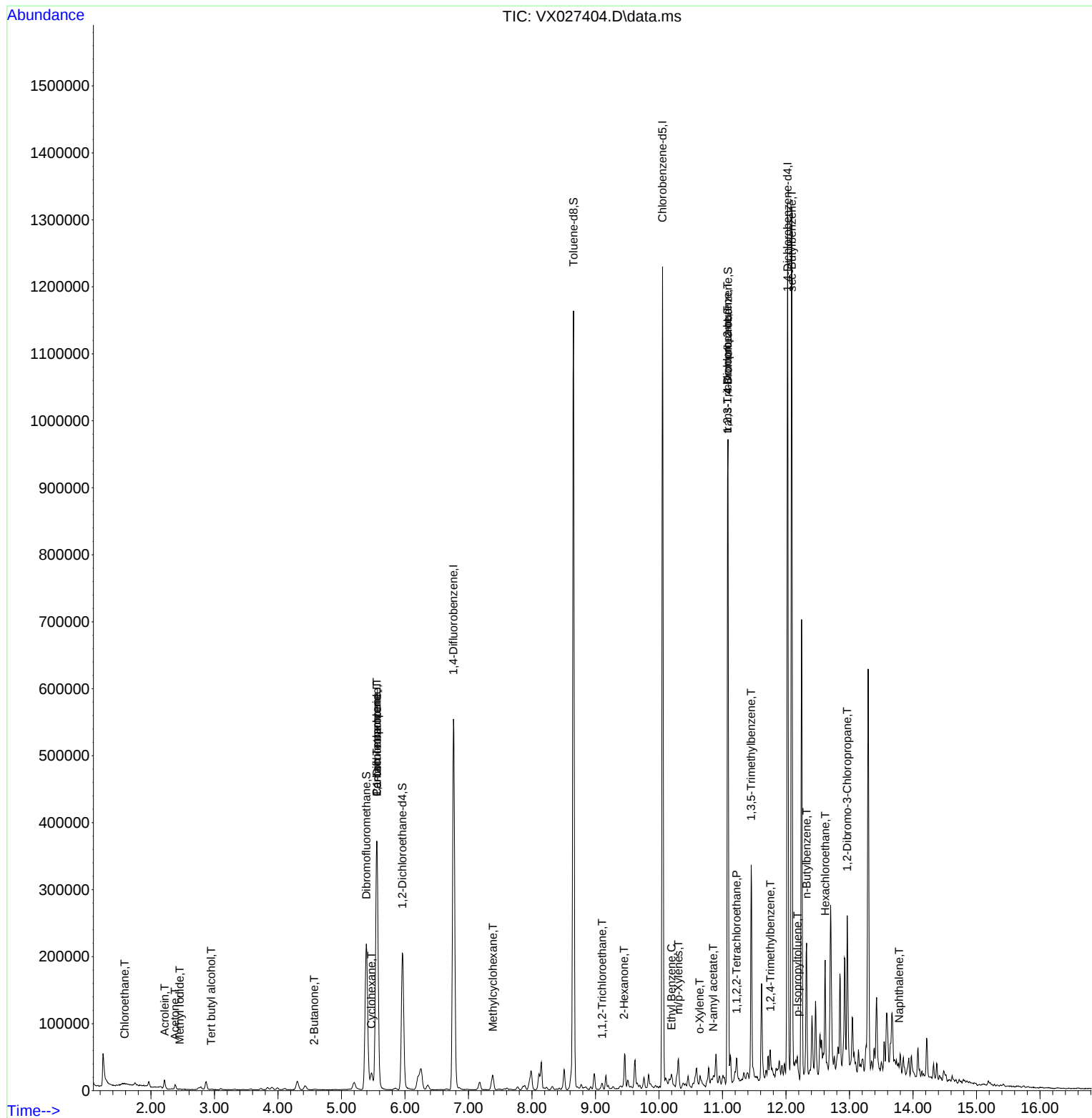
Internal Standards						
1) Pentafluorobenzene	5.556	168	384532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	617850	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	582055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	277686	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197586	44.062	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.120%		
35) Dibromofluoromethane	5.391	113	196645	49.325	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.640%		
50) Toluene-d8	8.653	98	730550	48.538	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.080%		
62) 4-Bromofluorobenzene	11.085	95	272713	47.541	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.080%		
Target Compounds						Qvalue
5) Bromomethane	1.612	94	324	Below Cal		90
6) Chloroethane	1.587	64	1548	1.009 ug/l #		53
10) Methyl Iodide	2.453	142	1172	0.214 ug/l #		85
11) Tert butyl alcohol	2.947	59	685	0.779 ug/l #		72
13) Acrolein	2.215	56	351	0.570 ug/l #		1
16) Acetone	2.380	43	6859	1.070 ug/l		94
25) 2-Butanone	4.568	43	691	0.224 ug/l #		85
31) Cyclohexane	5.471	56	15437	2.461 ug/l		91
36) 1,1-Dichloropropene	5.556	75	24418	4.411 ug/l #		51
38) Carbon Tetrachloride	5.556	117	36439	6.366 ug/l #		16
39) Methylcyclohexane	7.385	83	9419	1.348 ug/l		93
55) 1,1,2-Trichloroethane	9.104	97	3476	0.775 ug/l #		21
59) 2-Hexanone	9.452	43	2392	0.526 ug/l		61
67) Ethyl Benzene	10.195	91	5645	0.267 ug/l		100
68) m/p-Xylenes	10.305	106	8222	0.993 ug/l		100
69) o-Xylene	10.640	106	2493	0.305 ug/l		88
74) N-amyl acetate	10.854	43	2909	0.392 ug/l #		38
75) 1,1,2,2-Tetrachloroethane	11.220	83	2848	0.408 ug/l #		25
76) 1,2,3-Trichloropropane	11.079	75	122888	20.170 ug/l #		38
80) 1,3,5-Trimethylbenzene	11.451	105	145804	8.374 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.079	75	122888	65.233 ug/l #		15
84) 1,2,4-Trimethylbenzene	11.756	105	7136	0.413 ug/l		97
85) sec-Butylbenzene	12.091	105	625898	29.818 ug/l #		56
86) p-Isopropyltoluene	12.183	119	9298	0.523 ug/l		96
89) n-Butylbenzene	12.323	91	14038	0.943 ug/l #		1
90) Hexachloroethane	12.616	117	7412	2.676 ug/l #		10
92) 1,2-Dibromo-3-Chloropr...	12.963	75	788	0.539 ug/l #		6
95) Naphthalene	13.780	128	4478	0.214 ug/l #		66

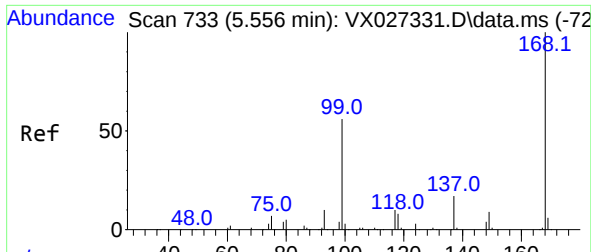
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031122\
Data File : VX027404.D
Acq On : 11 Mar 2022 16:06
Operator : JC/MD
Sample : N1815-02 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

Quant Time: Mar 11 23:12:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X030822W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 08 15:54:34 2022
Response via : Initial Calibration

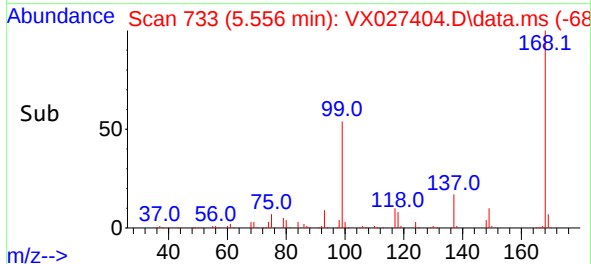
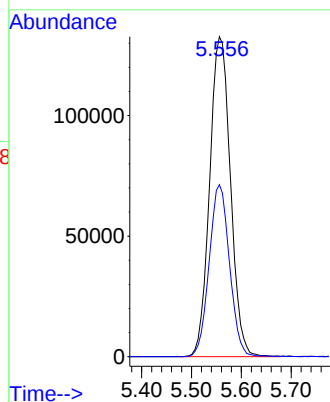
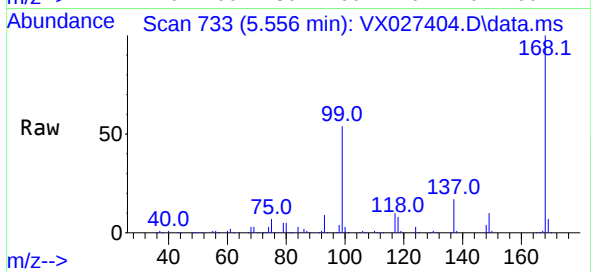




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

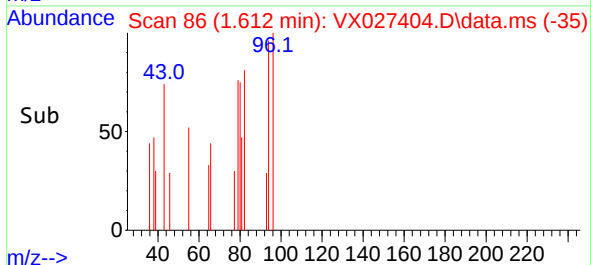
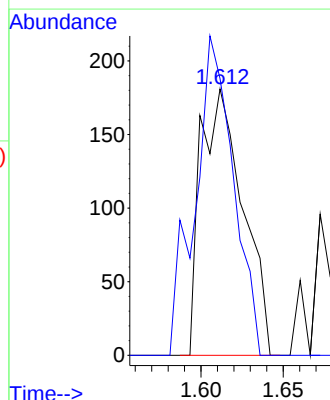
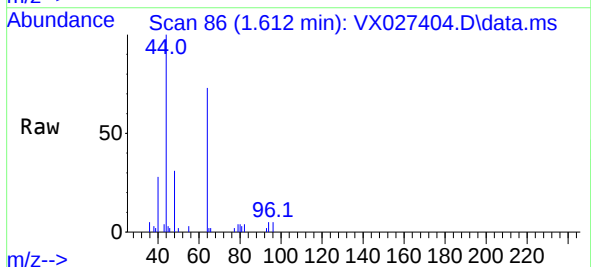
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

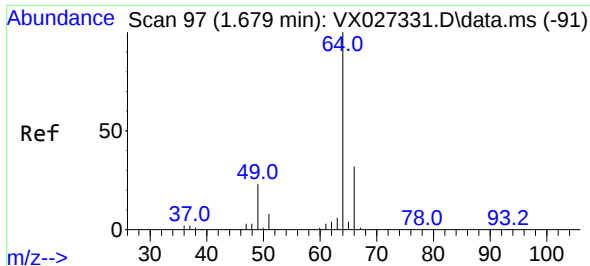
Tgt Ion:168 Resp: 384532
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 86
Delta R.T. 0.013 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 94 Resp: 324
Ion Ratio Lower Upper
94 100
96 103.9 75.3 112.9

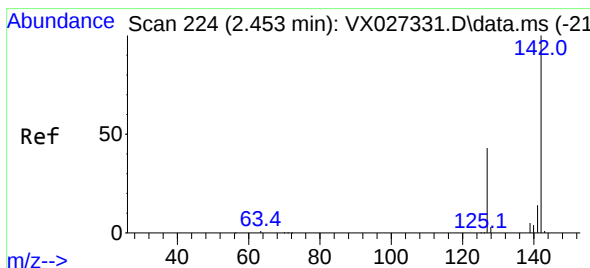
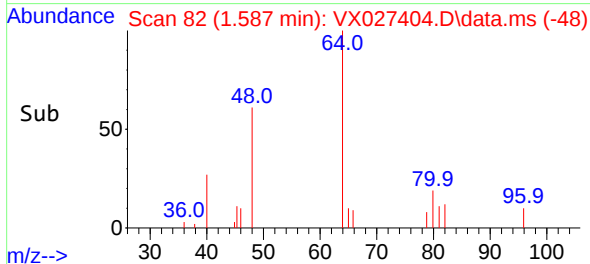
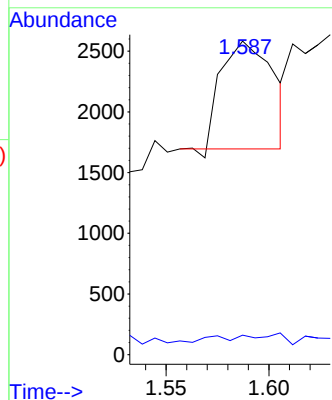
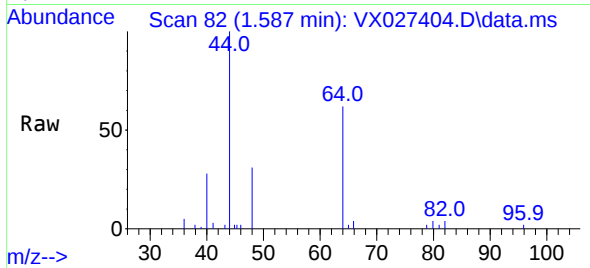




#6
Chloroethane
Concen: 1.009 ug/l
RT: 1.587 min Scan# 81
Delta R.T. -0.092 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

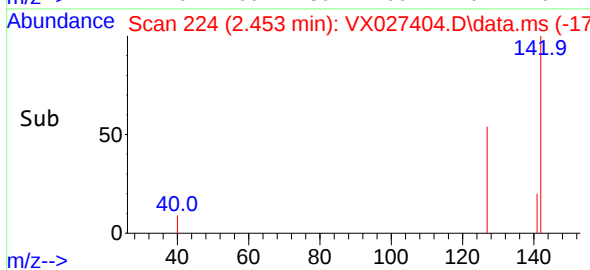
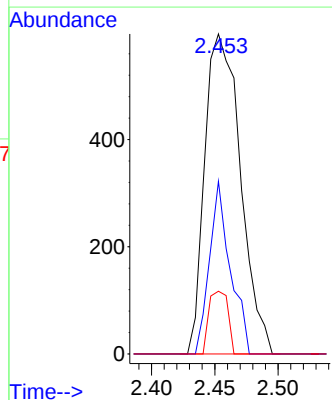
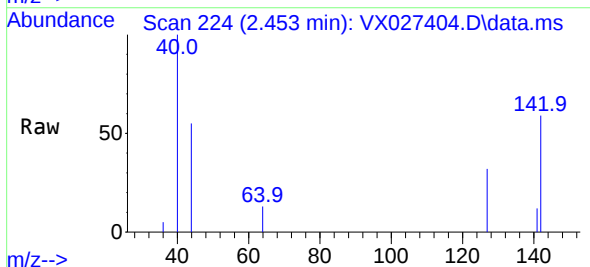
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

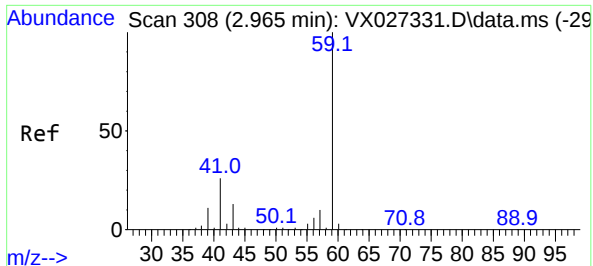
Tgt Ion: 64 Resp: 1548
Ion Ratio Lower Upper
64 100
66 5.3 25.3 37.9#



#10
Methyl Iodide
Concen: 0.214 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 142 Resp: 1172
Ion Ratio Lower Upper
142 100
127 31.5 33.9 50.9#
141 10.4 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.779 ug/l

RT: 2.947 min Scan# 30

Delta R.T. -0.018 min

Lab File: VX027404.D

Acq: 11 Mar 2022 16:06

Instrument :

MSVOA_X

ClientSampleId :

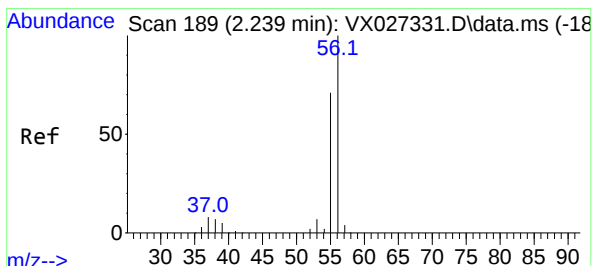
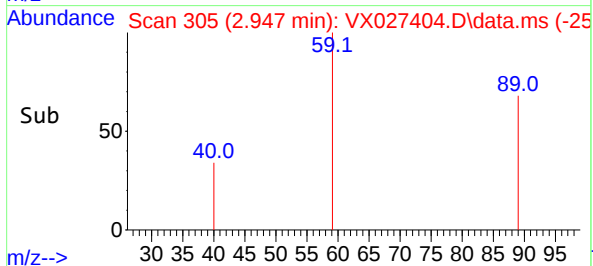
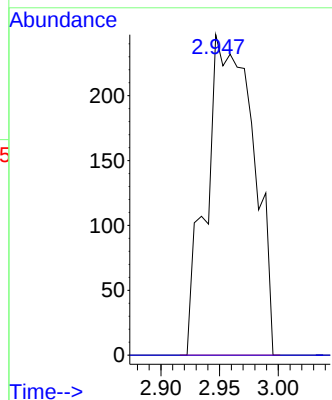
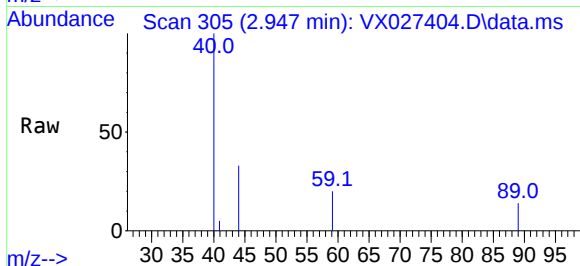
PW-1DL

Tgt Ion: 59 Resp: 685

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.570 ug/l

RT: 2.215 min Scan# 185

Delta R.T. -0.024 min

Lab File: VX027404.D

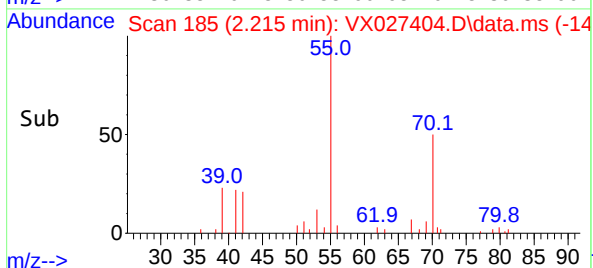
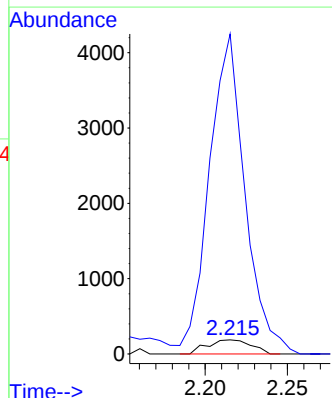
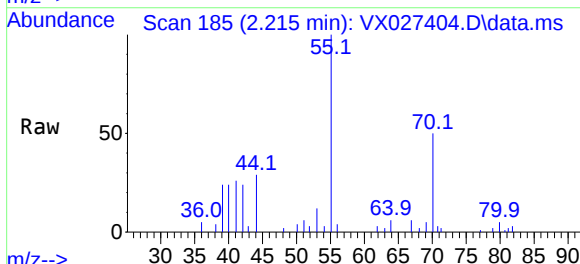
Acq: 11 Mar 2022 16:06

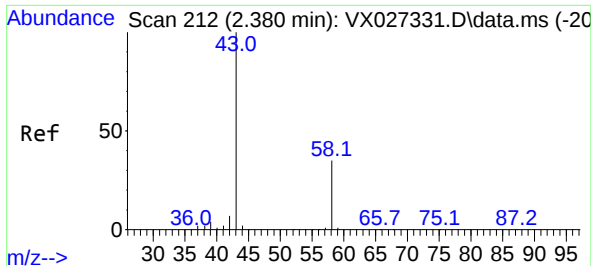
Tgt Ion: 56 Resp: 351

Ion Ratio Lower Upper

56 100

55 1823.1 55.0 82.6#

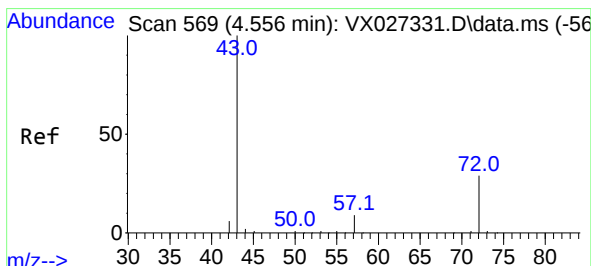
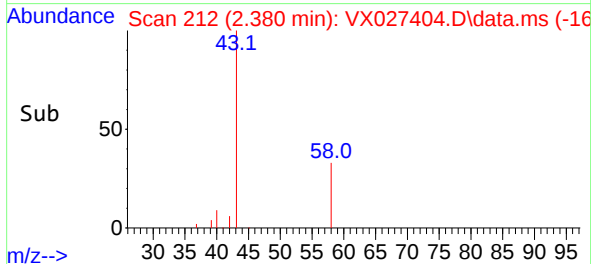
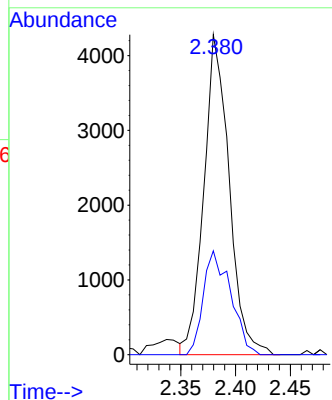
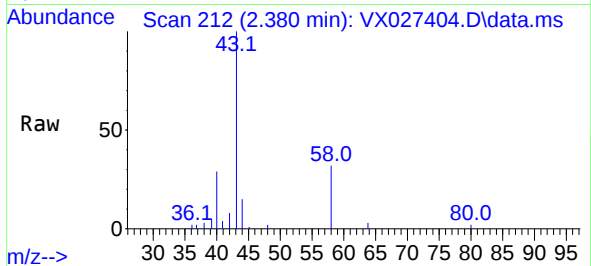




#16
Acetone
Concen: 1.070 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

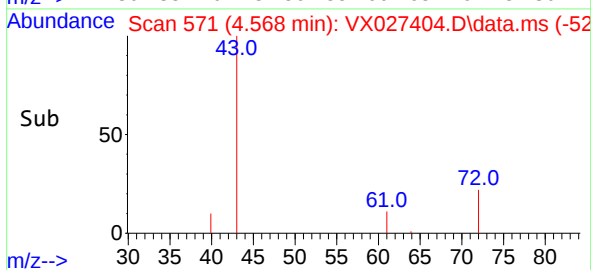
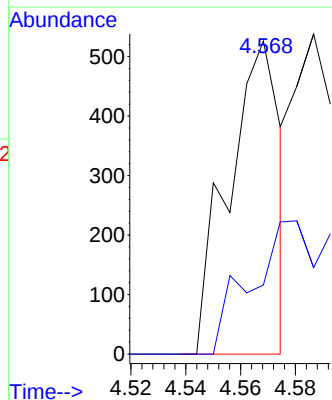
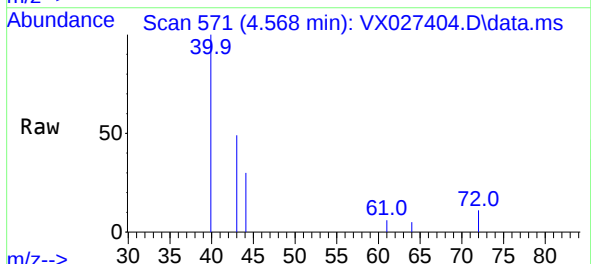
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

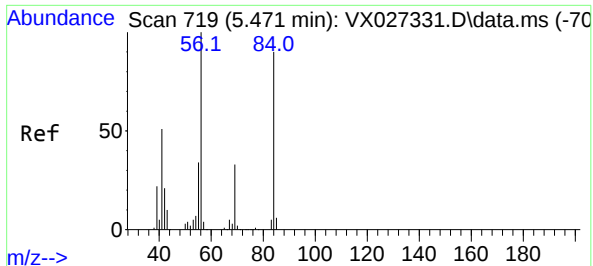
Tgt Ion: 43 Resp: 6859
Ion Ratio Lower Upper
43 100
58 32.5 28.8 43.2



#25
2-Butanone
Concen: 0.224 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
72 22.1 24.4 36.6#

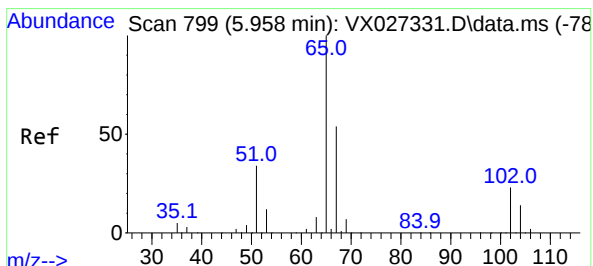
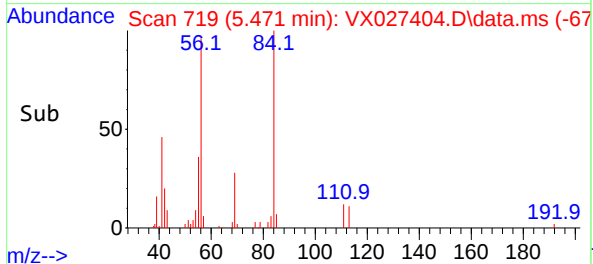
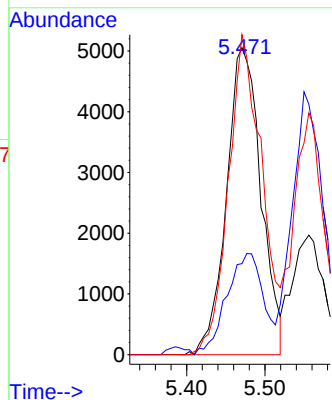
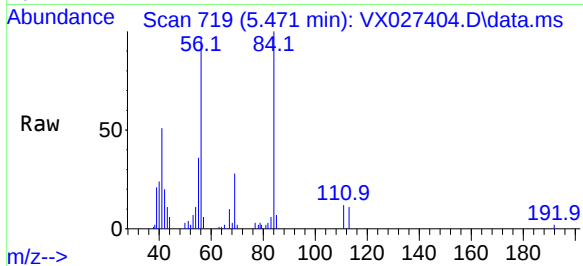




#31
Cyclohexane
Concen: 2.461 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

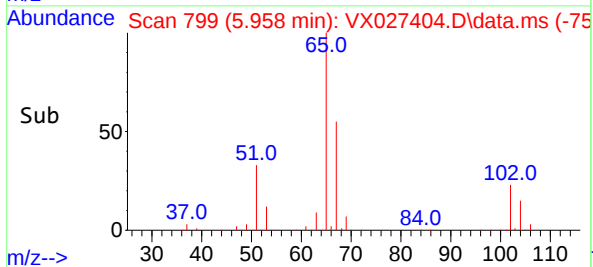
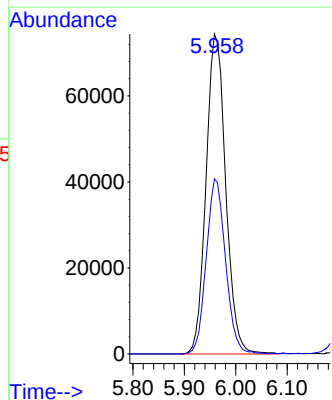
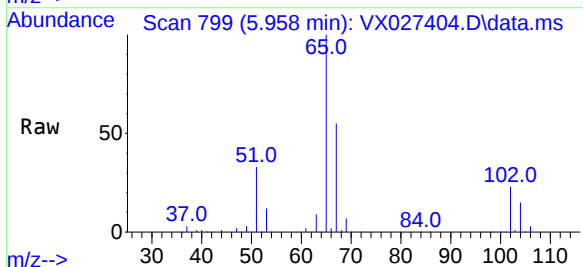
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

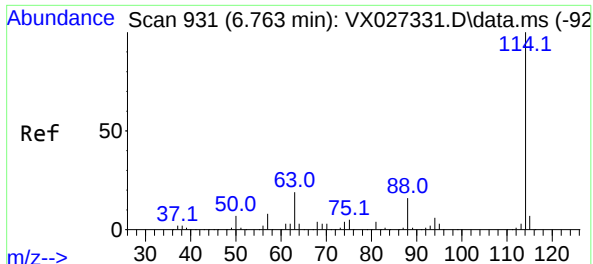
Tgt Ion: 56 Resp: 15437
Ion Ratio Lower Upper
56 100
69 27.5 26.7 40.1
84 104.2 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 44.062 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 65 Resp: 197586
Ion Ratio Lower Upper
65 100
67 53.7 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: VX027404.D

Acq: 11 Mar 2022 16:06

Instrument :

MSVOA_X

ClientSampleId :

PW-1DL

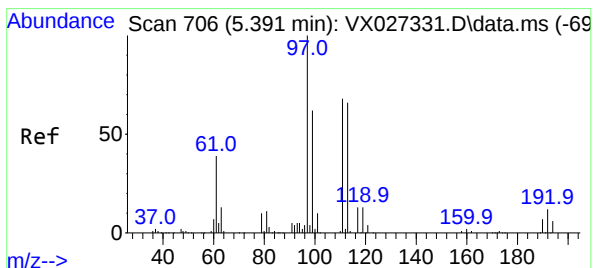
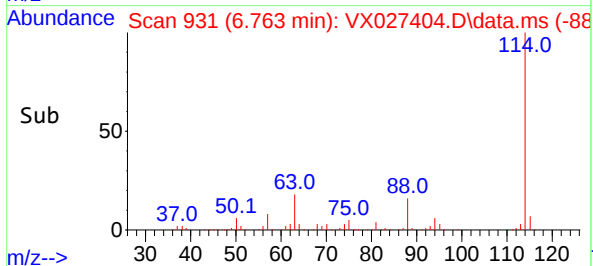
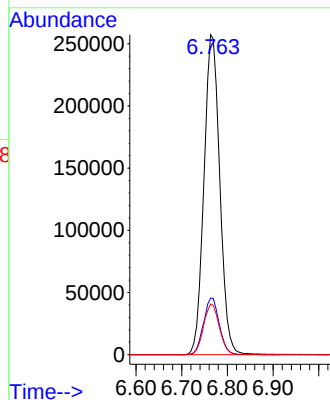
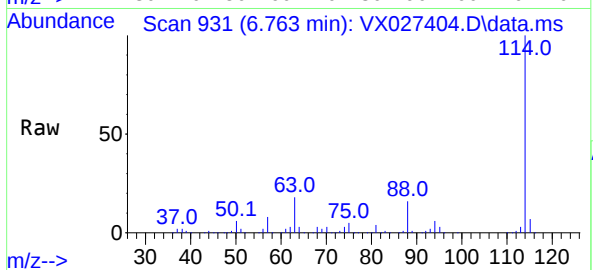
Tgt Ion:114 Resp: 617850

Ion Ratio Lower Upper

114 100

63 17.7 0.0 36.8

88 15.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 49.325 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX027404.D

Acq: 11 Mar 2022 16:06

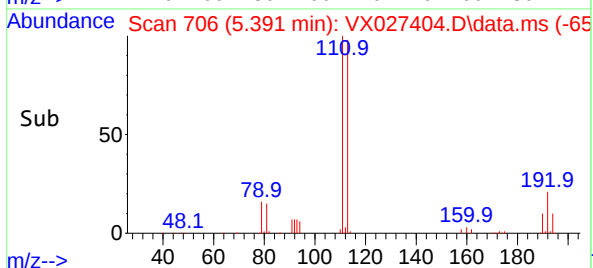
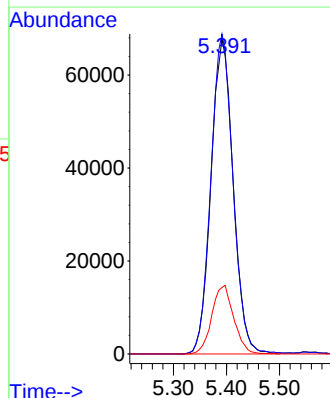
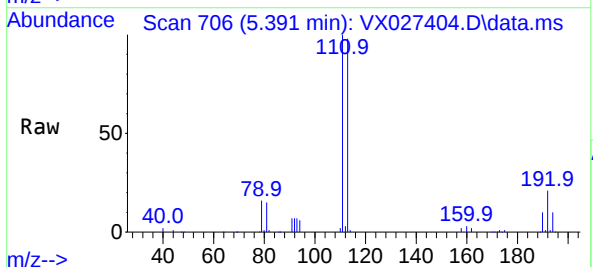
Tgt Ion:113 Resp: 196645

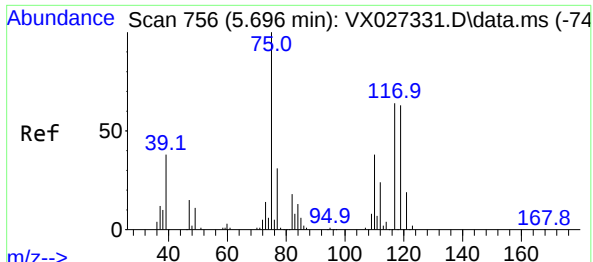
Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

192 21.5 16.9 25.3

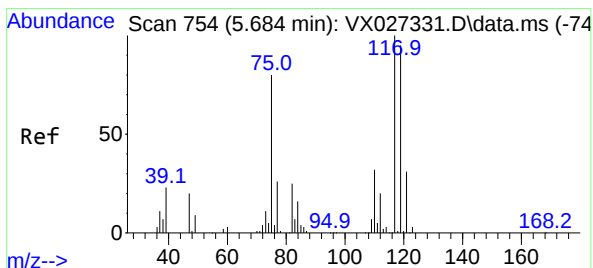
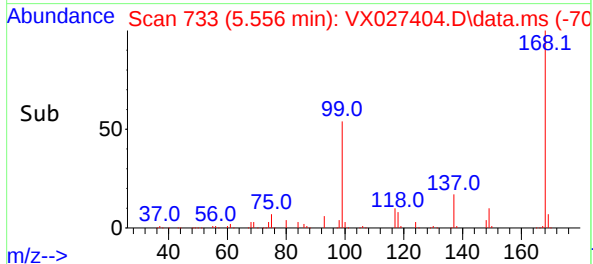
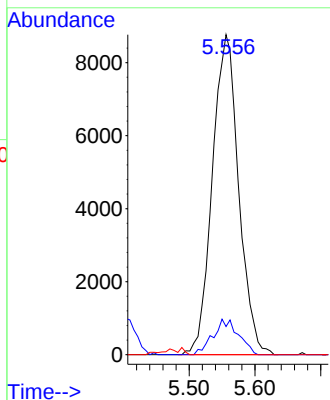
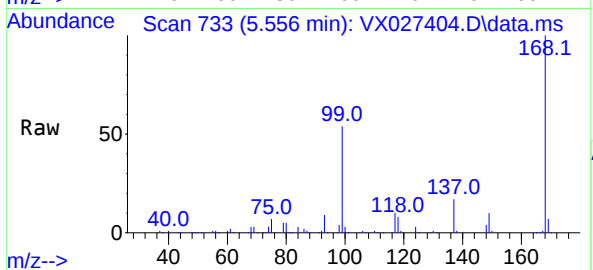




#36
1,1-Dichloropropene
Concen: 4.411 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

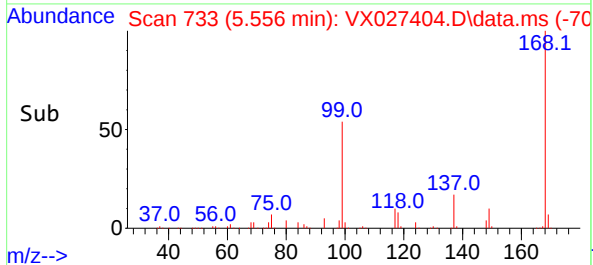
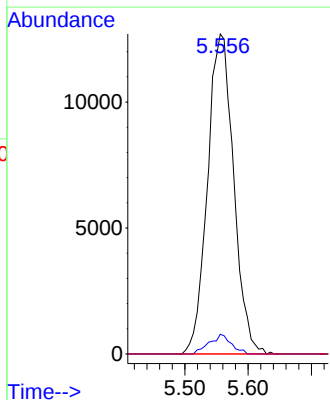
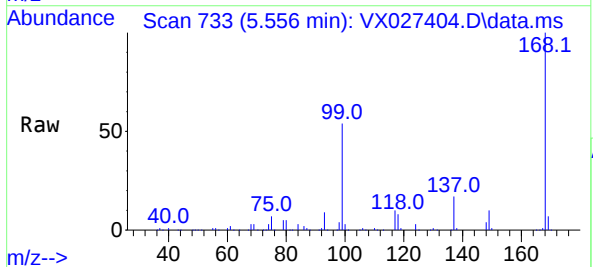
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

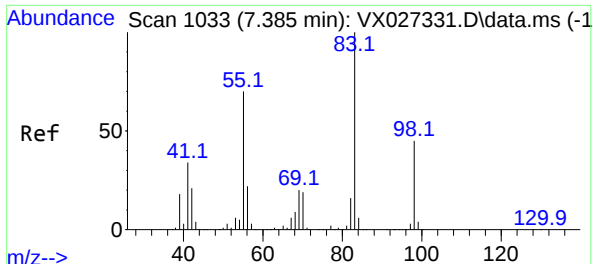
Tgt Ion: 75 Resp: 24418
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 6.366 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 117 Resp: 36439
Ion Ratio Lower Upper
117 100
119 6.2 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 1.348 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX027404.D

Acq: 11 Mar 2022 16:06

Instrument :

MSVOA_X

ClientSampleId :

PW-1DL

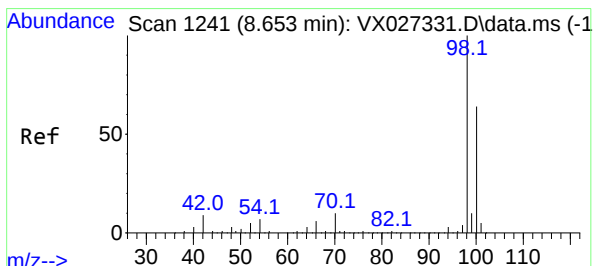
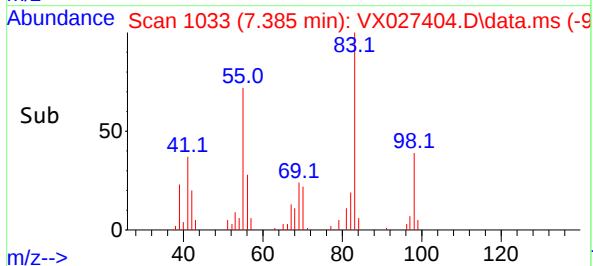
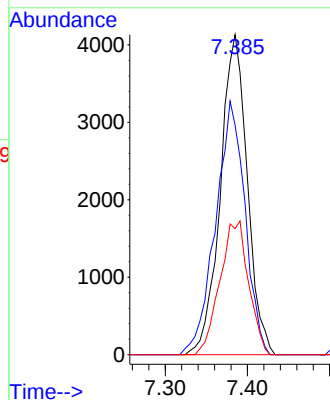
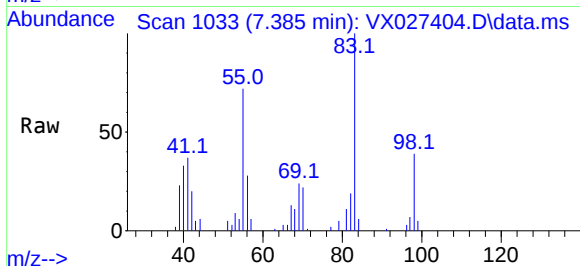
Tgt Ion: 83 Resp: 9419

Ion Ratio Lower Upper

83 100

55 71.7 54.6 81.8

98 39.4 37.4 56.2



#50

Toluene-d8

Concen: 48.538 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX027404.D

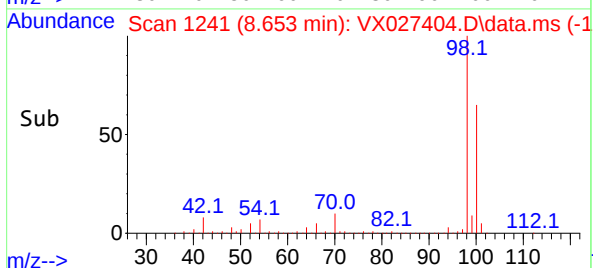
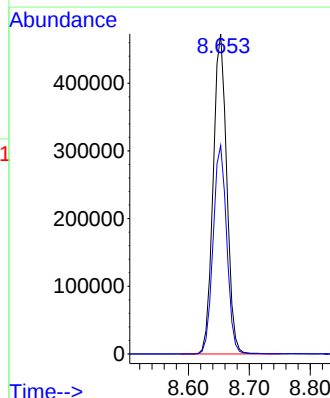
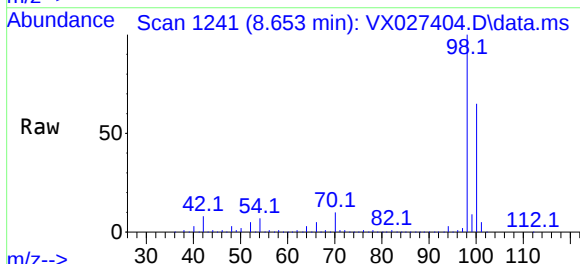
Acq: 11 Mar 2022 16:06

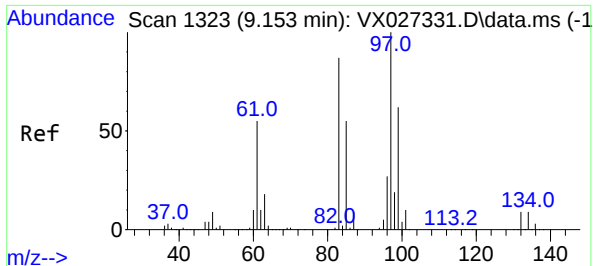
Tgt Ion: 98 Resp: 730550

Ion Ratio Lower Upper

98 100

100 65.1 52.6 78.8



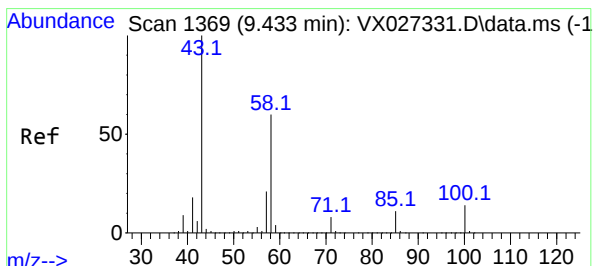
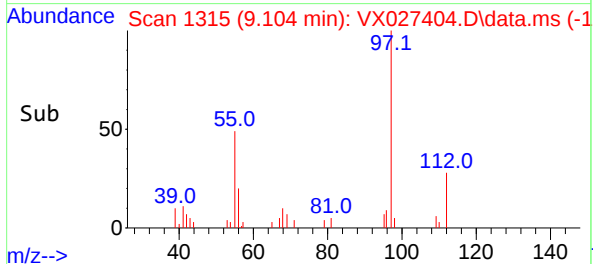
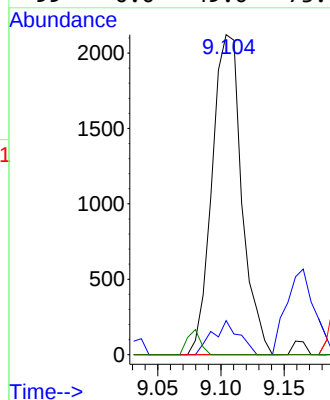
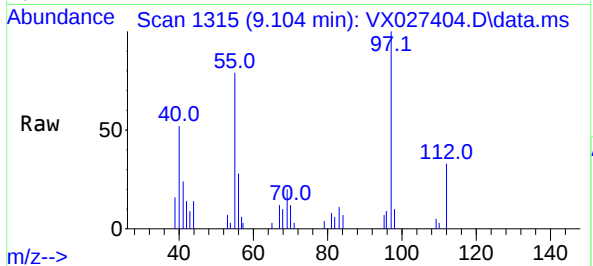


#55
1,1,2-Trichloroethane
Concen: 0.775 ug/l
RT: 9.104 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

Tgt Ion: 97 Resp: 3476

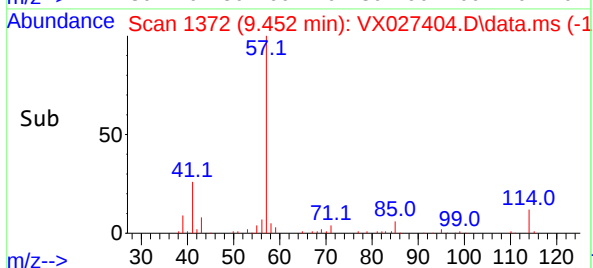
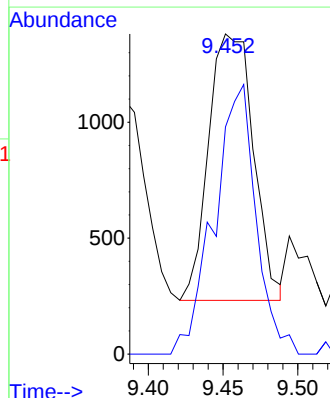
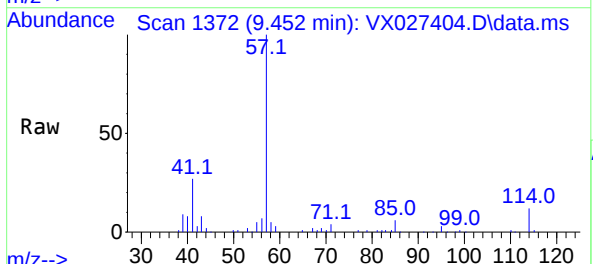
Ion	Ratio	Lower	Upper
97	100		
83	10.7	66.2	99.4#
85	0.0	42.9	64.3#
99	0.0	49.0	73.6#

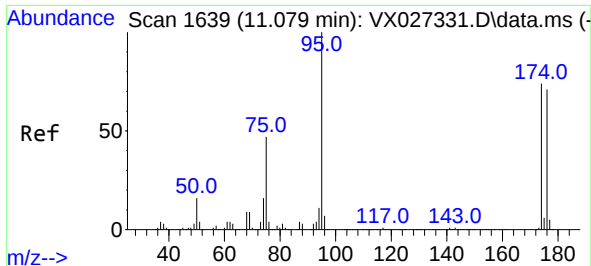


#59
2-Hexanone
Concen: 0.526 ug/l
RT: 9.452 min Scan# 1372
Delta R.T. 0.019 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 43 Resp: 2392

Ion	Ratio	Lower	Upper
43	100		
58	94.5	31.9	95.7

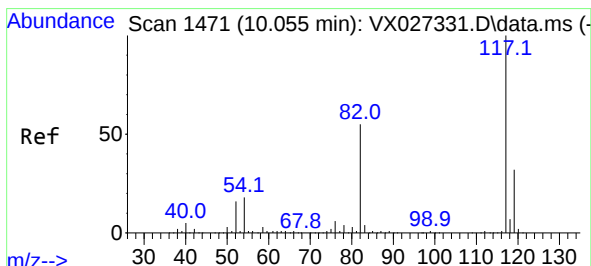
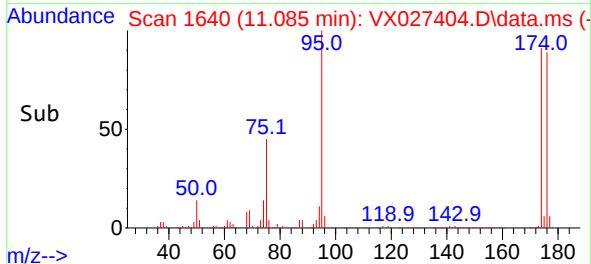
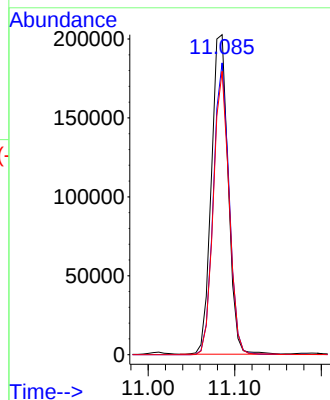
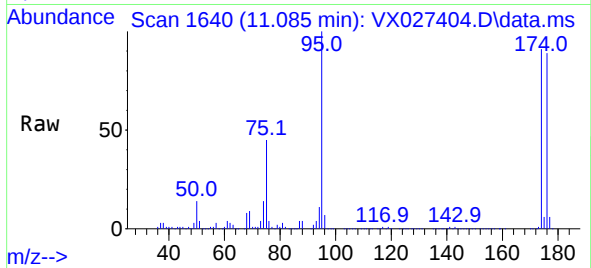




#62
4-Bromofluorobenzene
Concen: 47.541 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

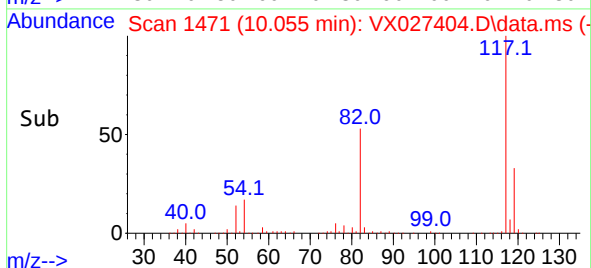
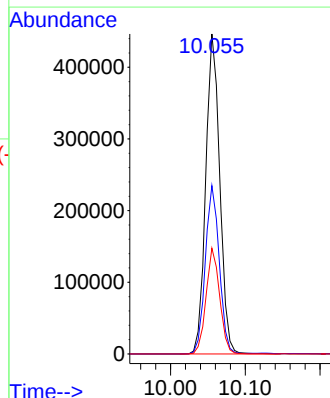
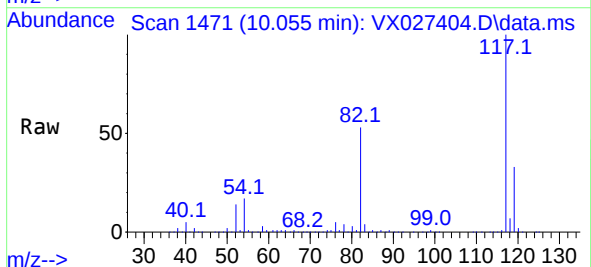
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

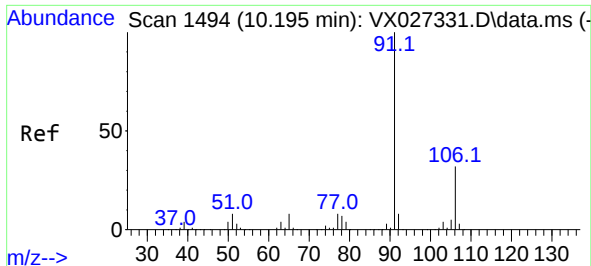
Tgt Ion: 95 Resp: 272713
Ion Ratio Lower Upper
95 100
174 85.5 0.0 163.0
176 83.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 117 Resp: 582055
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 33.1 24.8 37.2

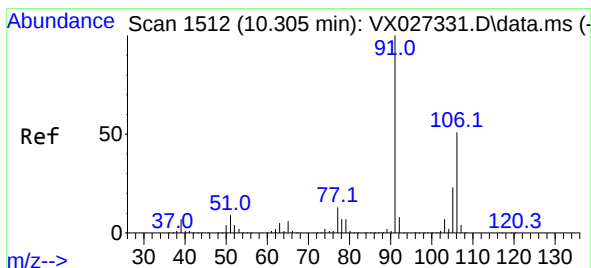
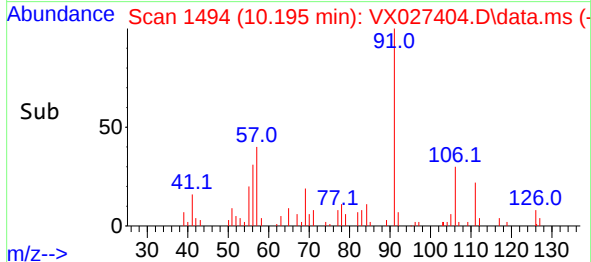
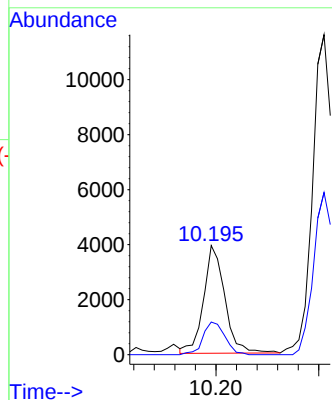
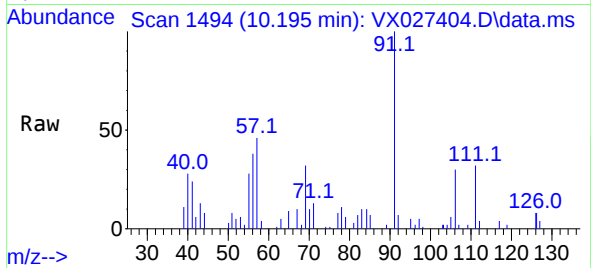




#67
Ethyl Benzene
Concen: 0.267 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

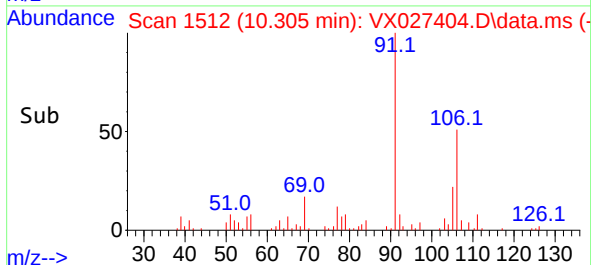
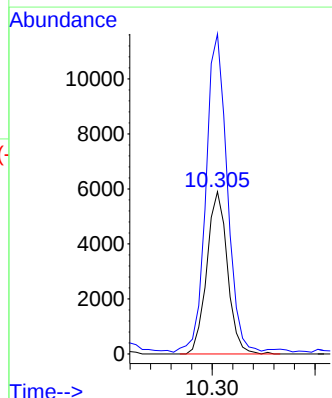
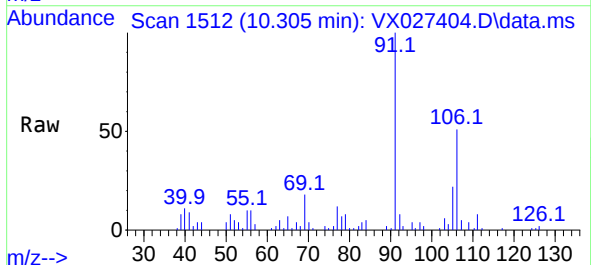
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

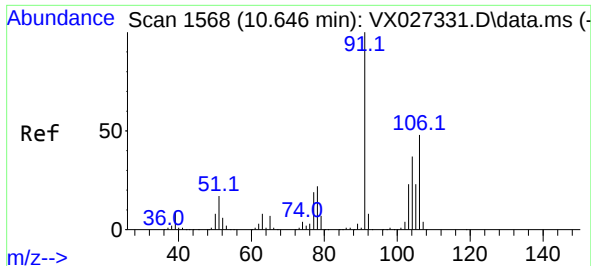
Tgt Ion: 91 Resp: 5645
Ion Ratio Lower Upper
91 100
106 30.4 24.6 36.8



#68
m/p-Xylenes
Concen: 0.993 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 106 Resp: 8222
Ion Ratio Lower Upper
106 100
91 201.2 160.4 240.6

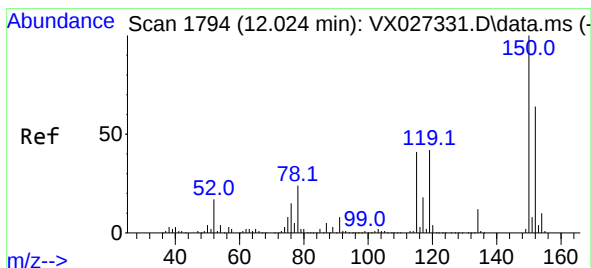
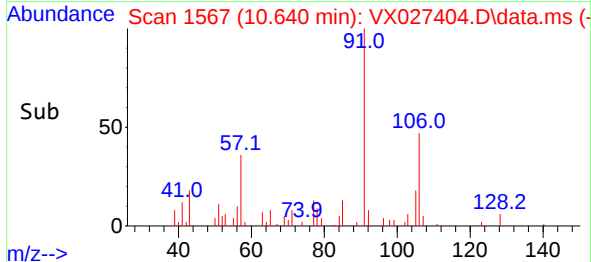
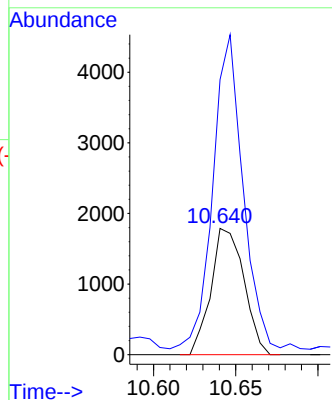
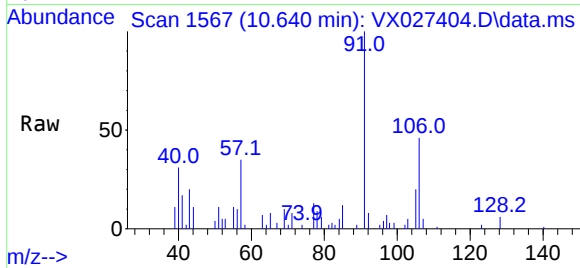




#69
o-Xylene
Concen: 0.305 ug/l
RT: 10.640 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

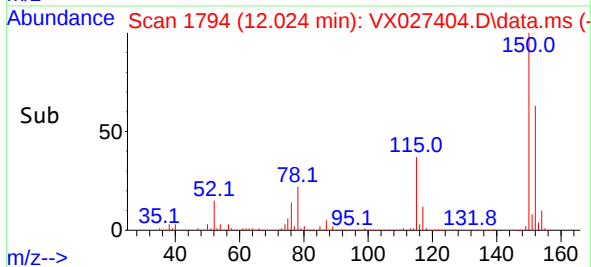
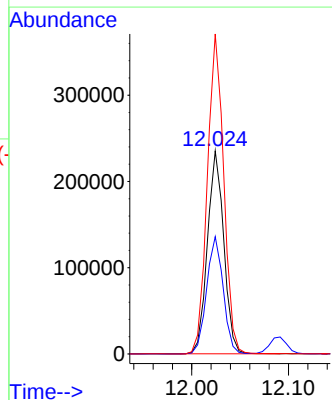
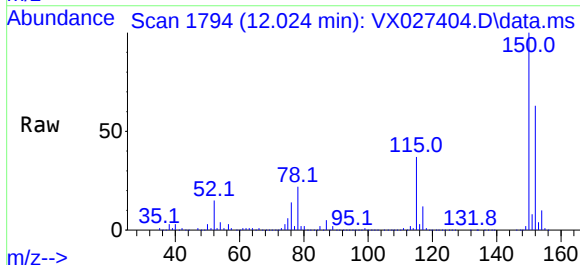
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

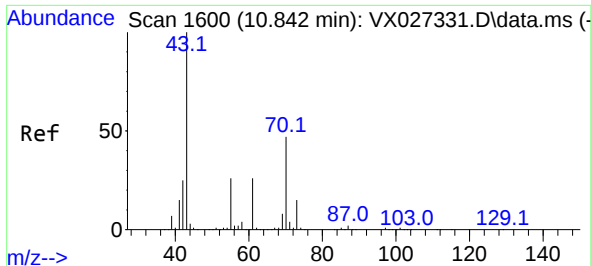
Tgt Ion:106 Resp: 2493
Ion Ratio Lower Upper
106 100
91 231.6 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion:152 Resp: 277686
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 158.2 0.0 338.2

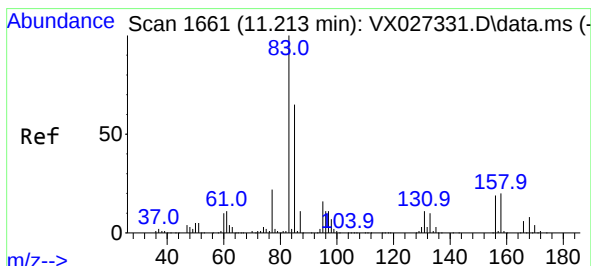
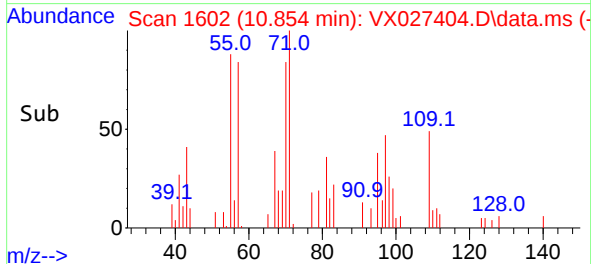
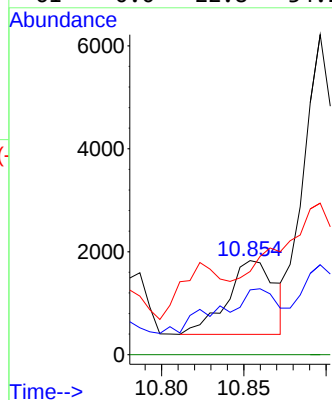
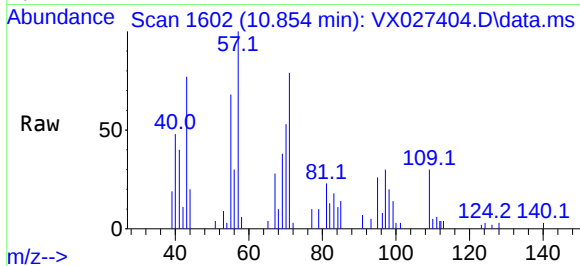




#74
N-amy1 acetate
Concen: 0.392 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.012 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

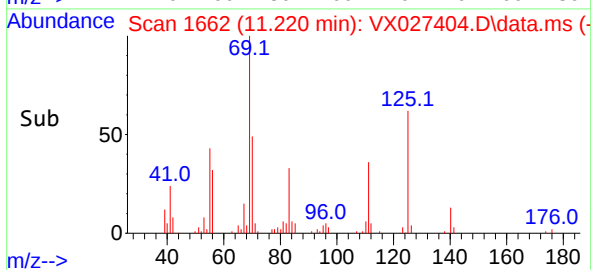
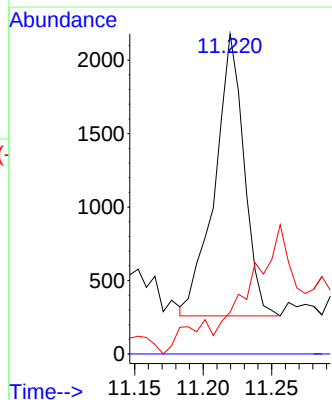
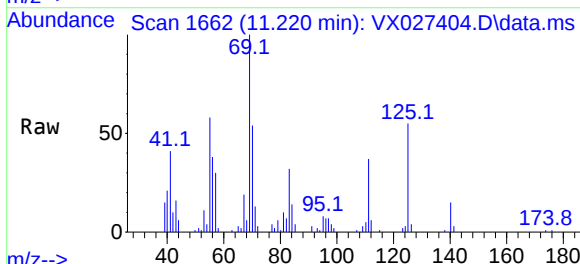
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

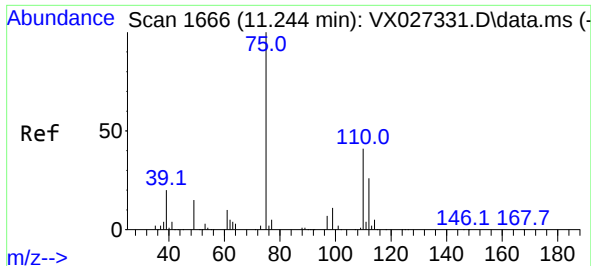
Tgt Ion:	43	Resp:	2909
Ion	Ratio	Lower	Upper
43	100		
70	103.9	42.5	63.7#
55	0.0	23.1	34.7#
61	0.0	22.8	34.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.408 ug/l
RT: 11.220 min Scan# 1662
Delta R.T. 0.007 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion:	83	Resp:	2848
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.1	15.3#
85	0.0	32.6	97.7#

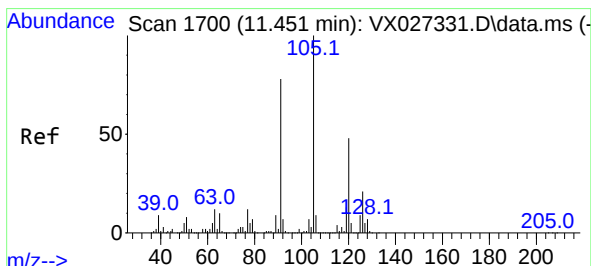
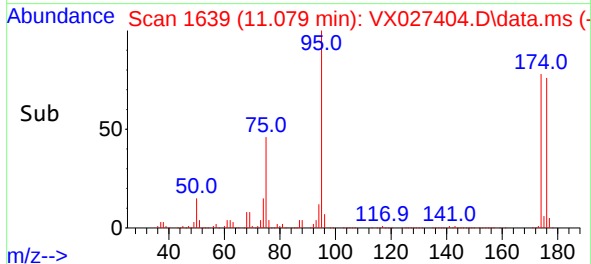
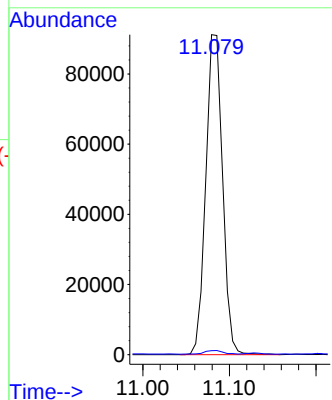
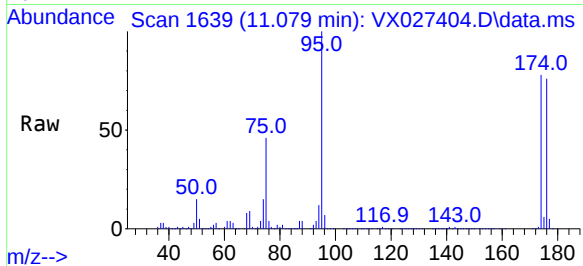




#76
1,2,3-Trichloropropane
Concen: 20.170 ug/l
RT: 11.079 min Scan# 1666
Delta R.T. -0.165 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

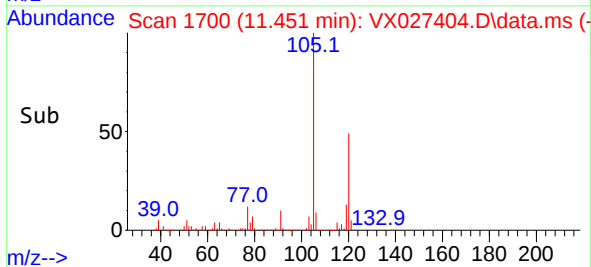
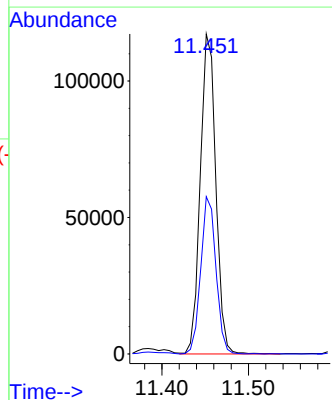
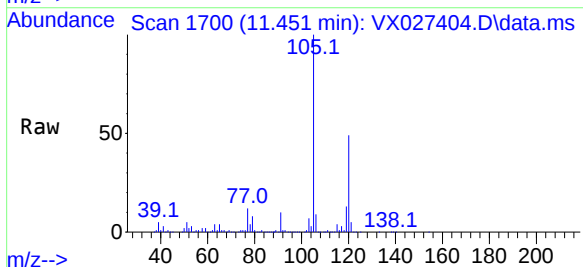
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

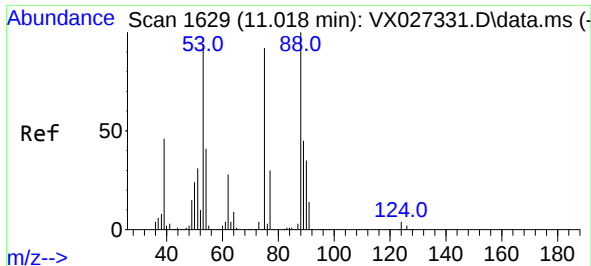
Tgt Ion: 75 Resp: 122888
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 8.374 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion:105 Resp: 145804
Ion Ratio Lower Upper
105 100
120 48.2 24.3 72.9

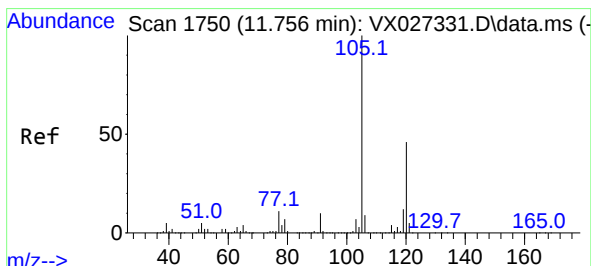
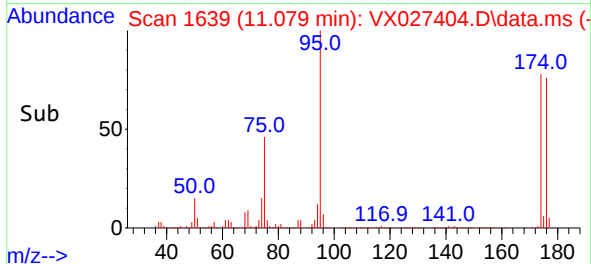
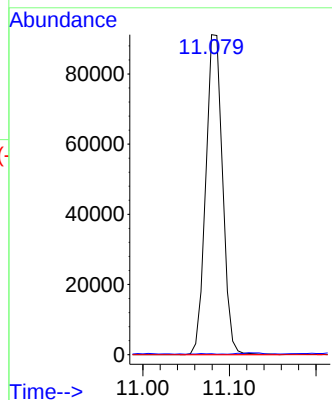
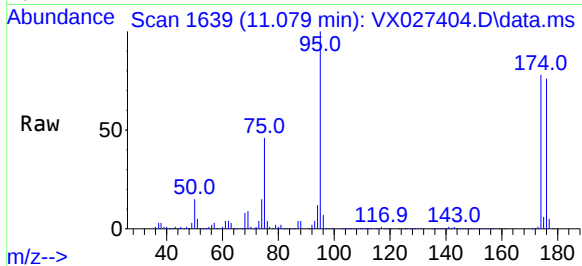




#81
trans-1,4-Dichloro-2-butene
Concen: 65.233 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

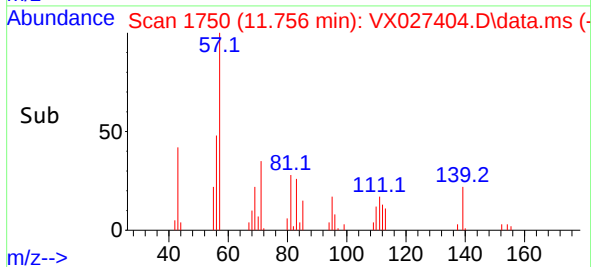
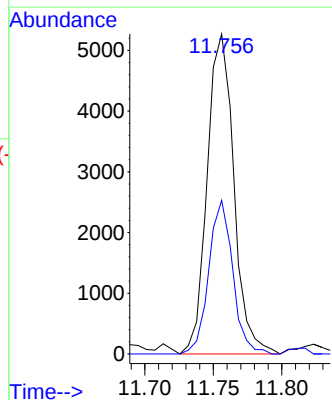
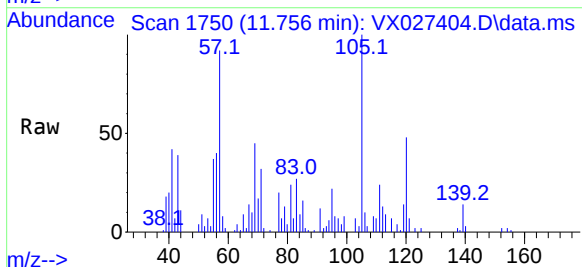
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

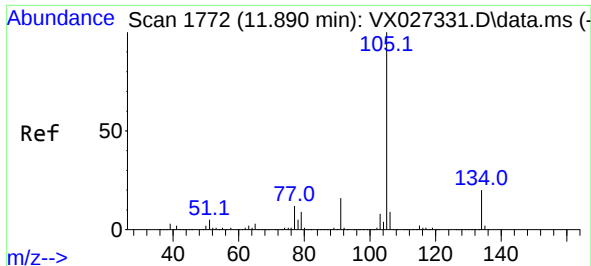
Tgt Ion: 75 Resp: 122888
Ion Ratio Lower Upper
75 100
53 0.2 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.413 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 105 Resp: 7136
Ion Ratio Lower Upper
105 100
120 43.2 22.6 67.8

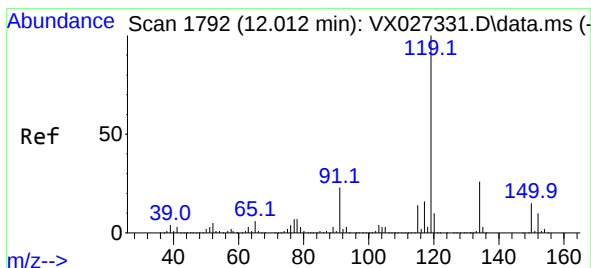
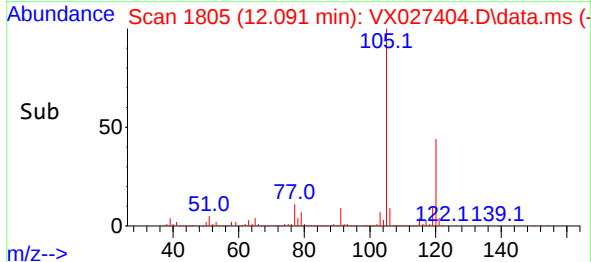
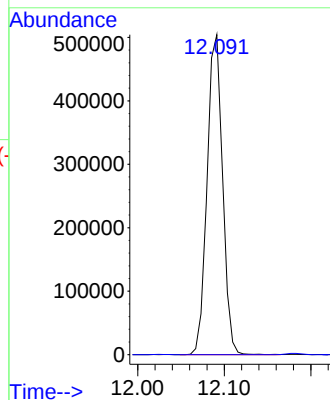
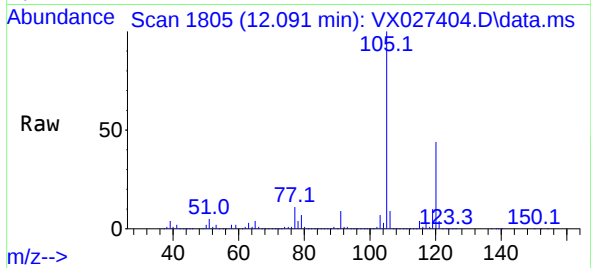




#85
 sec-Butylbenzene
 Concen: 29.818 ug/l
 RT: 12.091 min Scan# 1805
 Delta R.T. 0.201 min
 Lab File: VX027404.D
 Acq: 11 Mar 2022 16:06

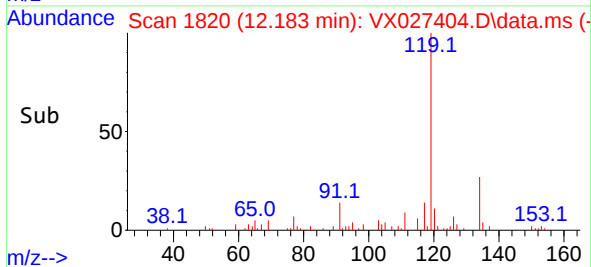
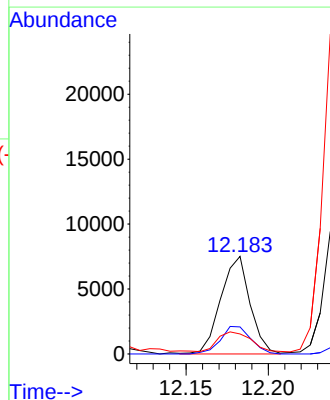
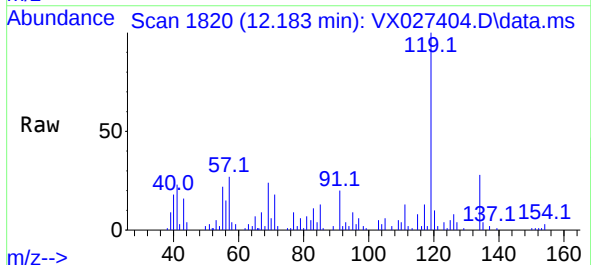
Instrument :
 MSVOA_X
 ClientSampleId :
 PW-1DL

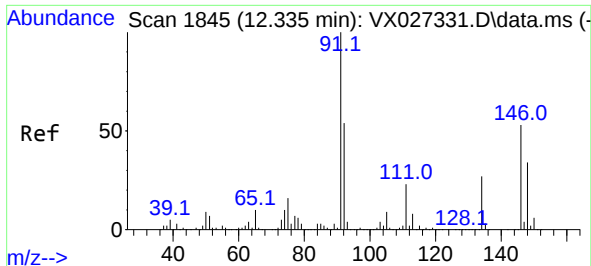
Tgt Ion:105 Resp: 625898
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 0.523 ug/l
 RT: 12.183 min Scan# 1820
 Delta R.T. 0.171 min
 Lab File: VX027404.D
 Acq: 11 Mar 2022 16:06

Tgt Ion:119 Resp: 9298
 Ion Ratio Lower Upper
 119 100
 134 29.4 13.0 39.0
 91 23.1 11.3 33.9

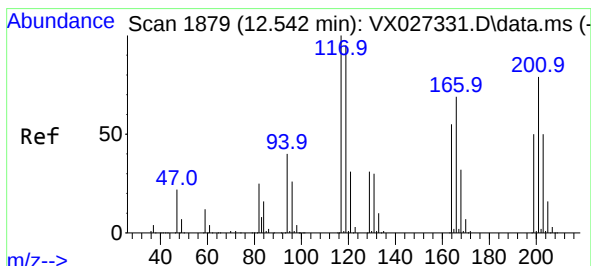
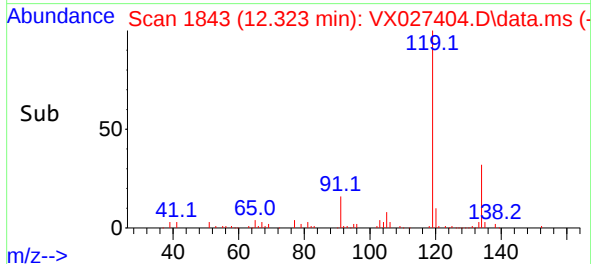
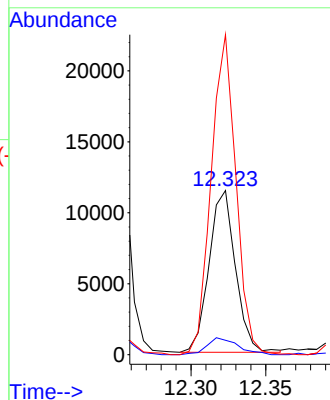
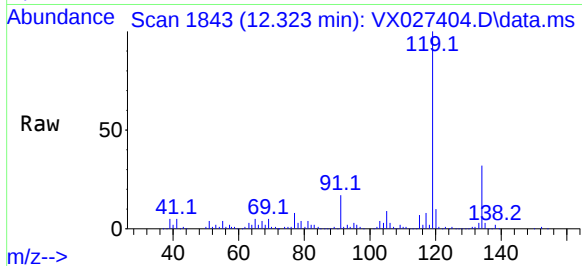




#89
n-Butylbenzene
Concen: 0.943 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

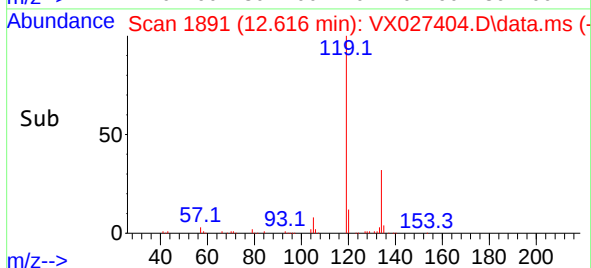
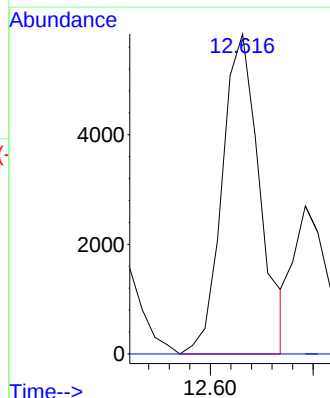
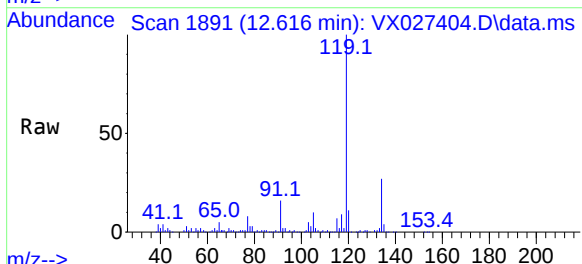
Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

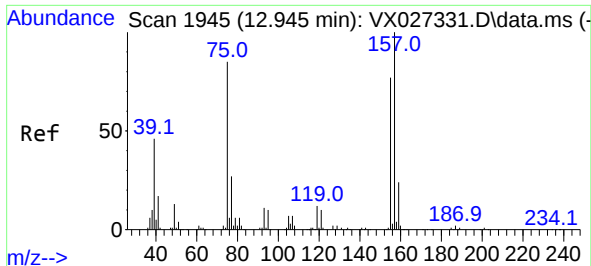
Tgt Ion: 91 Resp: 14038
Ion Ratio Lower Upper
91 100
92 12.2 27.8 83.3#
134 185.2 13.3 39.8#



#90
Hexachloroethane
Concen: 2.676 ug/l
RT: 12.616 min Scan# 1891
Delta R.T. 0.074 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 117 Resp: 7412
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

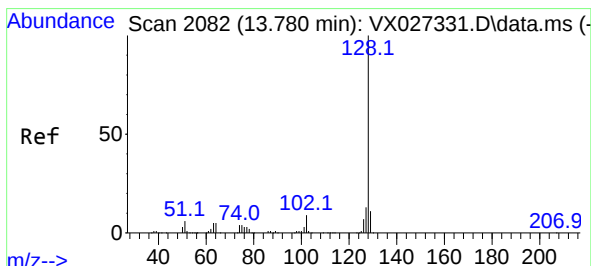
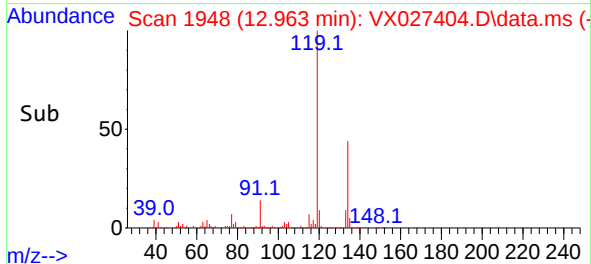
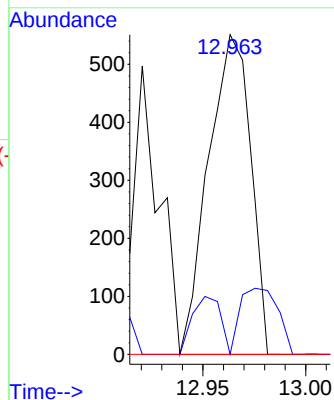
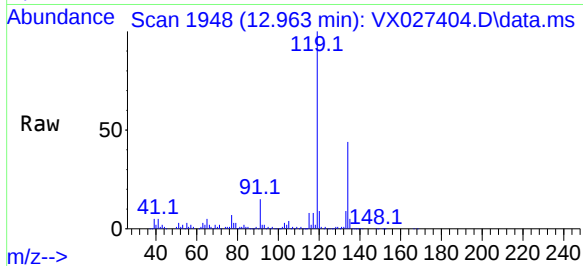




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.539 ug/l
RT: 12.963 min Scan# 1948
Delta R.T. 0.018 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Instrument :
MSVOA_X
ClientSampleId :
PW-1DL

Tgt Ion: 75 Resp: 788
Ion Ratio Lower Upper
75 100
155 18.5 47.0 141.2#
157 0.0 57.9 173.6#



#95
Naphthalene
Concen: 0.214 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027404.D
Acq: 11 Mar 2022 16:06

Tgt Ion: 128 Resp: 4478
Ion Ratio Lower Upper
128 100
127 28.1 10.2 15.4#
129 0.0 8.7 13.1#

