

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110421\
 Data File : VX025074.D
 Acq On : 04 Nov 2021 16:58
 Operator : JC/MD
 Sample : VX1104WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBSD02

Quant Time: Nov 07 00:14:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X110421W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Nov 03 23:52:56 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	0.000	128	0	0.000	ug/l	-4.91
28) 1,4-Difluorobenzene	6.769	114	126900	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	110187	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65865	0.000	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	0.000%#
60) 4-Bromofluorobenzene	11.079	95	63727	31.698	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	105.667%
63) Toluene-d8	8.653	98	156788	30.809	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.700%
Target Compounds						
					Qvalue	
29) 1,1-Dichloropropene	5.696	75	40886	20.037	ug/l	95
30) 2-Butanone	4.562	43	103673	100.733	ug/l	95
31) 2,2-Dichloropropane	4.477	77	54971	21.208	ug/l	91
32) 1,1,1-Trichloroethane	5.385	97	58409	19.898	ug/l	92
33) Carbon Tetrachloride	5.678	117	51267	19.902	ug/l	99
34) Benzene	6.044	78	103048	19.800	ug/l	98
35) Methacrylonitrile	4.928	41	20564	20.261	ug/l	94
36) 1,2-Dichloroethane	6.086	62	51850	20.560	ug/l #	95
37) Trichloroethene	7.129	130	29334	20.166	ug/l	93
38) Methylcyclohexane	7.385	83	46781	21.349	ug/l	96
39) 1,2-Dichloropropane	7.434	63	29057	20.459	ug/l	98
40) Dibromomethane	7.580	93	22385	20.231	ug/l	93
41) Bromodichloromethane	7.824	83	47031	20.019	ug/l	100
42) Vinyl Acetate	3.721	43	311243	101.076	ug/l	97
43) Ethyl Acetate	4.483	43	559	0.283	ug/l	98
44) Isopropyl Acetate	6.342	43	62772	20.344	ug/l	96
45) 1,4-Dioxane	7.696	88	12926	394.491	ug/l	93
46) Methyl methacrylate	7.696	41	30386	20.143	ug/l	90
47) n-amyl Acetate	10.842	43	48915	19.658	ug/l	91
48) t-1,3-Dichloropropene	8.976	75	58202	22.998	ug/l	96
49) cis-1,3-Dichloropropene	8.366	75	50980	20.180	ug/l #	84
50) 1,1,2-Trichloroethane	9.153	97	33947	22.658	ug/l	94
51) Ethyl methacrylate	9.116	69	58266	24.129	ug/l	97
52) 1,3-Dichloropropane	9.305	76	56413	22.035	ug/l	98
53) Dibromochloromethane	9.525	129	34912	20.411	ug/l	97
54) 1,2-Dibromoethane	9.610	107	29082	17.378	ug/l	98
55) 2-Chloroethyl vinyl ether	8.244	63	89421	83.218	ug/l	99
56) Bromoform	10.799	173	23397	20.602	ug/l	99
58) 4-Methyl-2-Pentanone	8.574	43	195712	105.363	ug/l #	90
59) 2-Hexanone	9.433	43	233953	163.918	ug/l	96
61) Tetrachloroethene	9.275	164	27904	21.612	ug/l	96
62) Toluene	8.720	91	118670	21.055	ug/l	95
64) Chlorobenzene	10.079	112	78009	22.915	ug/l	100
65) 1,1,1,2-Tetrachloroethane	10.165	131	34254	22.524	ug/l	93
66) Ethyl Benzene	10.195	91	145190	21.786	ug/l	92
67) m/p-Xylenes	10.305	106	106888	46.644	ug/l	82
68) o-Xylene	10.646	106	52082	23.273	ug/l	82
69) Styrene	10.659	104	86629	22.788	ug/l #	90
70) Isopropylbenzene	10.964	105	142057	21.849	ug/l	96

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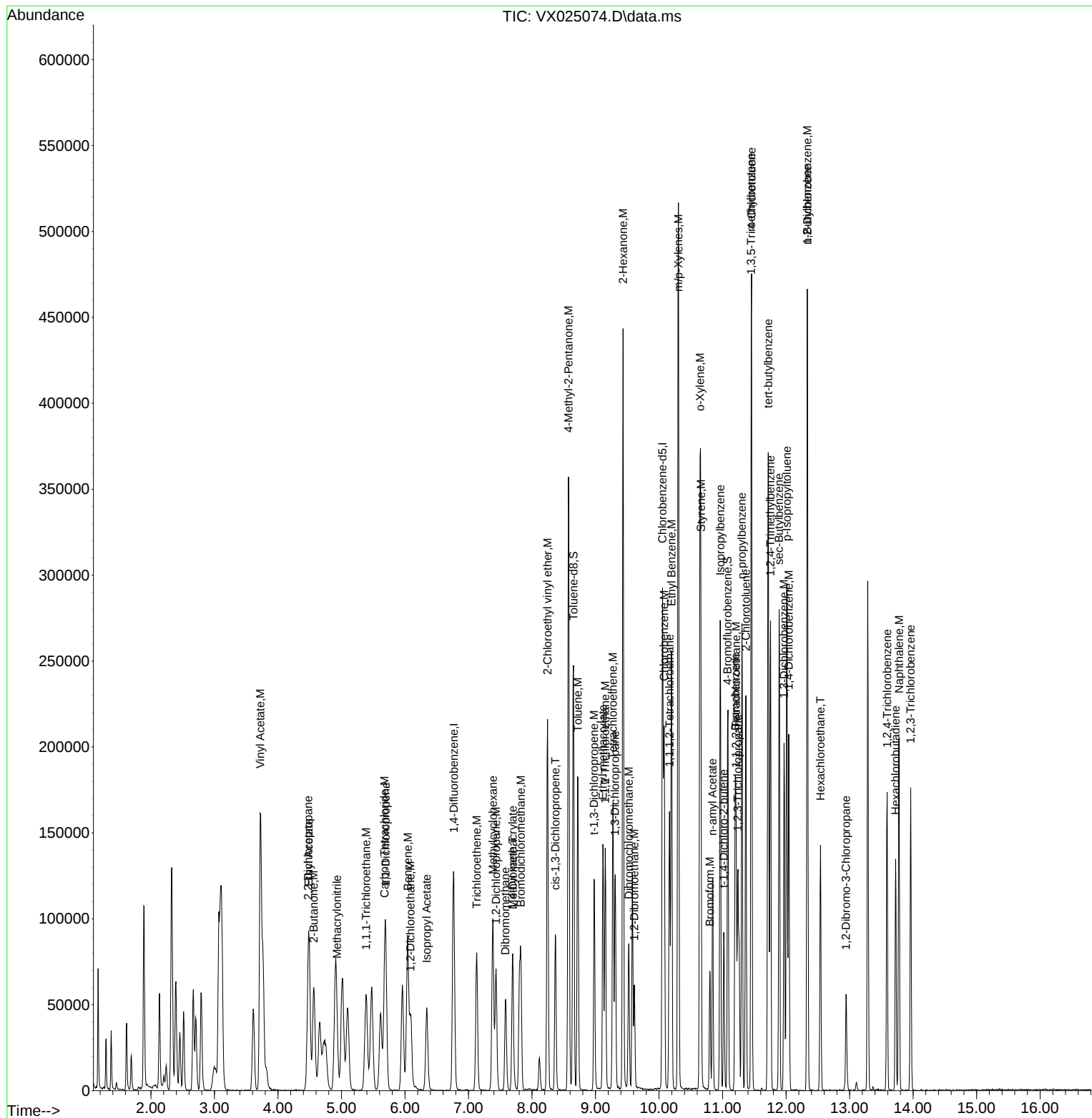
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 1,1,2,2-Tetrachloroethane	11.213	83	46330	21.586	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	56455	27.157	ug/l	89
73) Bromobenzene	11.201	156	31893	21.952	ug/l	84
74) n-propylbenzene	11.305	91	167251	21.690	ug/l	97
75) 2-Chlorotoluene	11.366	91	104828	21.693	ug/l	93
76) 1,3,5-Trimethylbenzene	11.451	105	124201	21.903	ug/l	93
77) t-1,4-Dichloro-2-butene	11.018	75	14915	21.309	ug/l	92
78) 4-Chlorotoluene	11.457	91	118830	21.546	ug/l	93
79) tert-butylbenzene	11.719	119	117355	21.966	ug/l	96
80) 1,2,4-Trimethylbenzene	11.756	105	123068	22.070	ug/l	93
81) sec-Butylbenzene	11.890	105	150860	22.696	ug/l	96
82) p-Isopropyltoluene	12.012	119	124871	22.650	ug/l	96
83) 1,3-Dichlorobenzene	11.969	146	60643	22.446	ug/l	94
84) 1,4-Dichlorobenzene	12.043	146	61613	22.900	ug/l	98
85) n-Butylbenzene	12.335	91	110603	21.997	ug/l	98
86) Hexachloroethane	12.542	117	20841	21.204	ug/l	92
87) 1,2-Dichlorobenzene	12.335	146	60736	22.833	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	12.945	75	12069	20.559	ug/l	94
89) 1,2,4-Trichlorobenzene	13.591	180	36607	22.718	ug/l	97
90) Hexachlorobutadiene	13.725	225	17563	21.572	ug/l	93
91) Naphthalene	13.780	128	125596	22.807	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	38995	23.726	ug/l	95

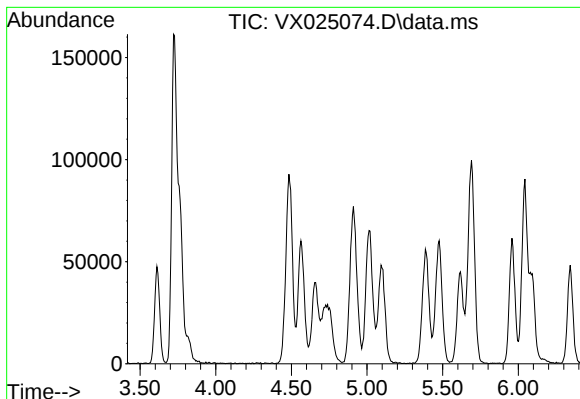
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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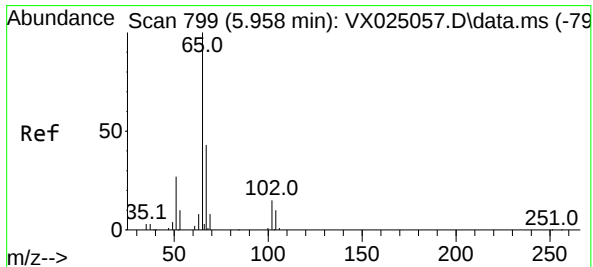
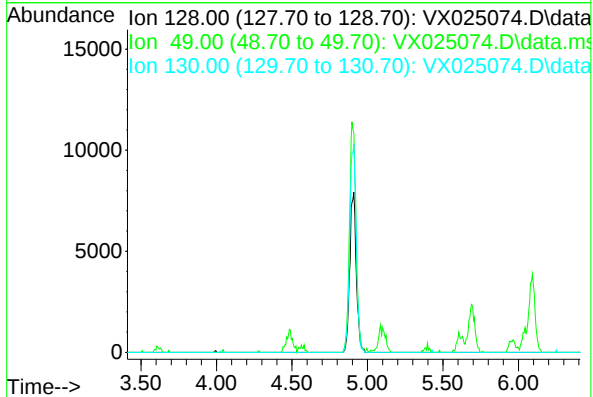




#1
 Bromochloromethane
 Concen: 0.000 ug/l
 Expected RT: 4.91 min
 Lab File: VX025074.D
 Acq: 04 Nov 2021 16:58

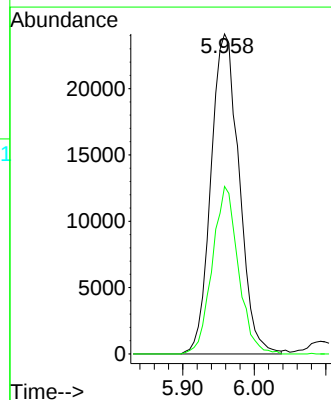
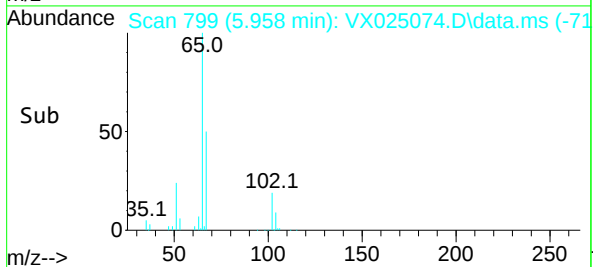
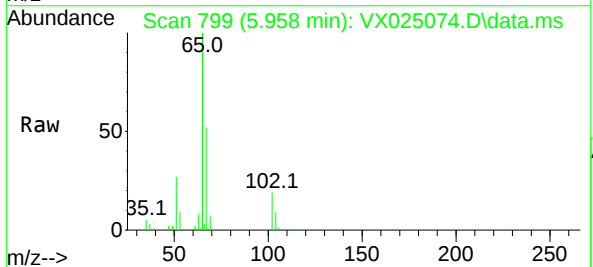
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBSD02

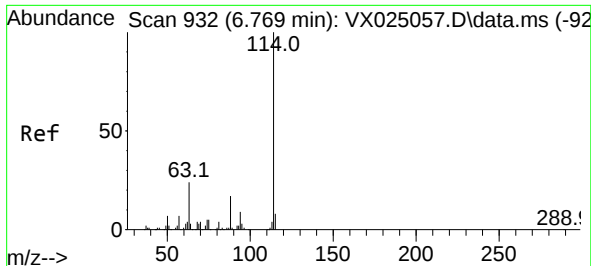
Tgt Ion: 128
 Sig Exp Ratio
 128 100
 49 161.0
 130 130.6



#27
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX025074.D
 Acq: 04 Nov 2021 16:58

Tgt Ion: 65 Resp: 65865
 Ion Ratio Lower Upper
 65 100
 67 48.5 42.4 63.6

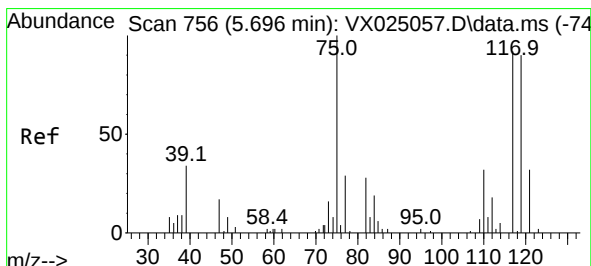
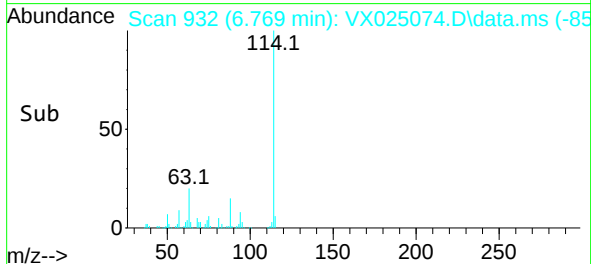
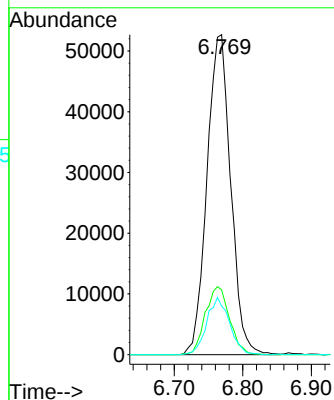
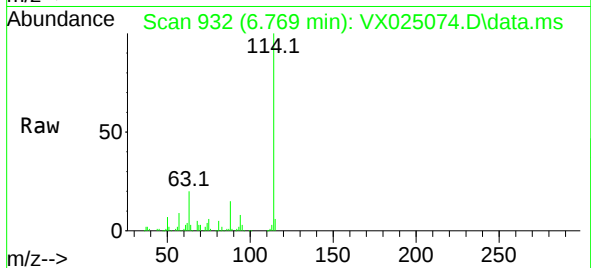




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

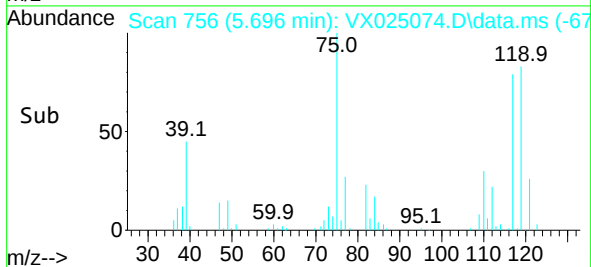
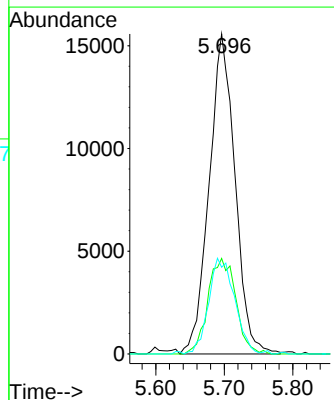
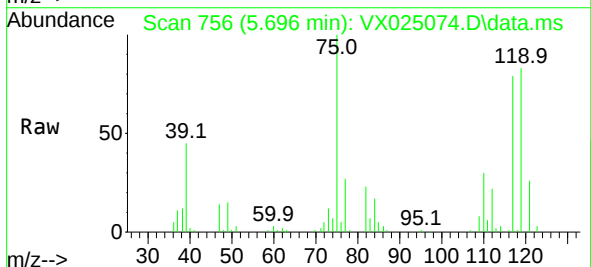
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

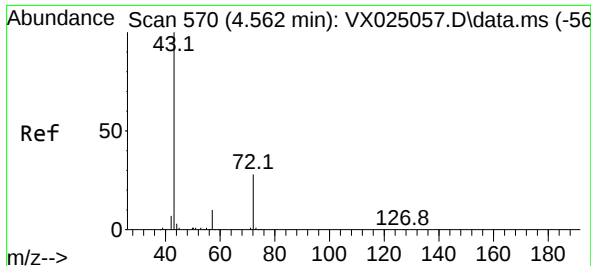
Tgt Ion:114 Resp: 126900
Ion Ratio Lower Upper
114 100
63 21.7 16.4 24.6
88 17.3 12.7 19.1



#29
1,1-Dichloropropene
Concen: 20.037 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 75 Resp: 40886
Ion Ratio Lower Upper
75 100
110 31.8 0.0 72.0
77 30.1 0.0 61.8





#30

2-Butanone

Concen: 100.733 ug/l

RT: 4.562 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

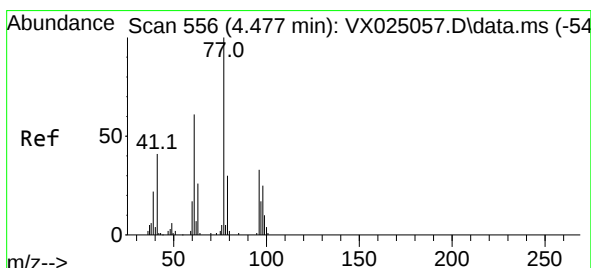
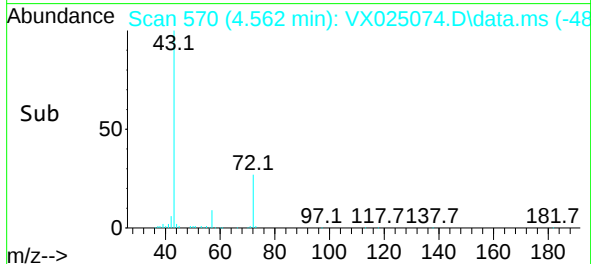
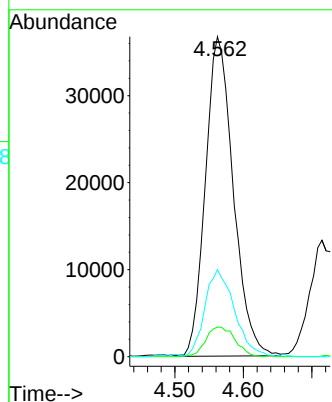
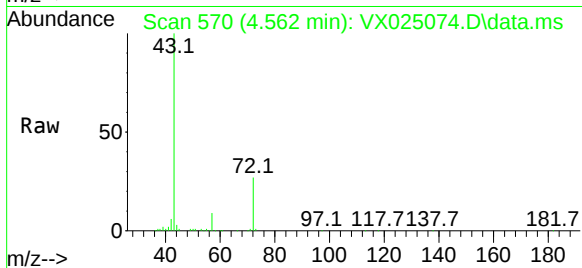
Tgt Ion: 43 Resp: 103673

Ion Ratio Lower Upper

43 100

57 9.8 6.6 9.8

72 28.9 21.0 31.4



#31

2,2-Dichloropropane

Concen: 21.208 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX025074.D

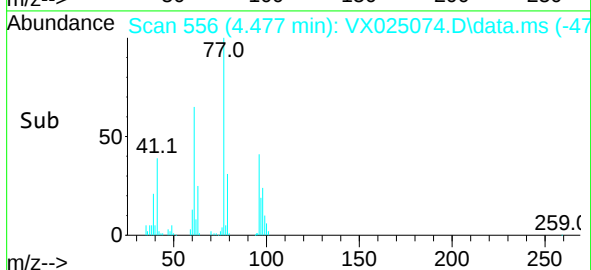
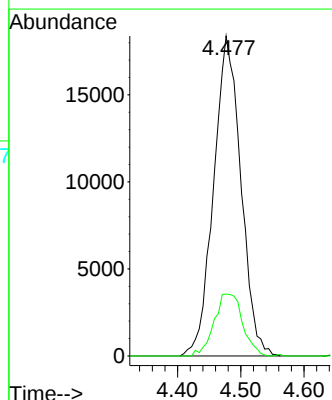
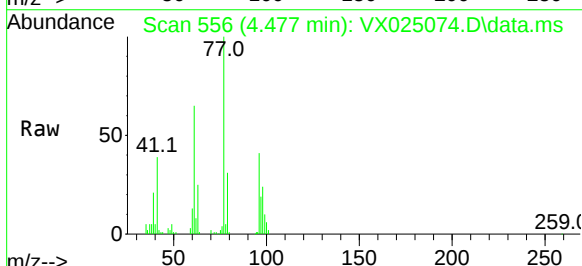
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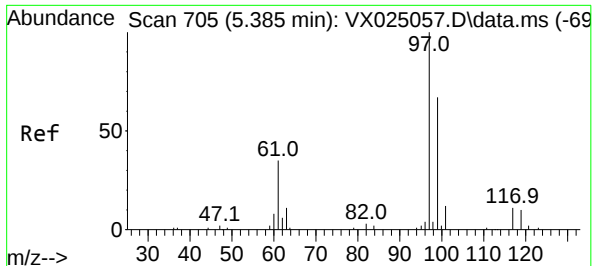
Tgt Ion: 77 Resp: 54971

Ion Ratio Lower Upper

77 100

97 20.2 19.8 29.8





#32

1,1,1-Trichloroethane

Concen: 19.898 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

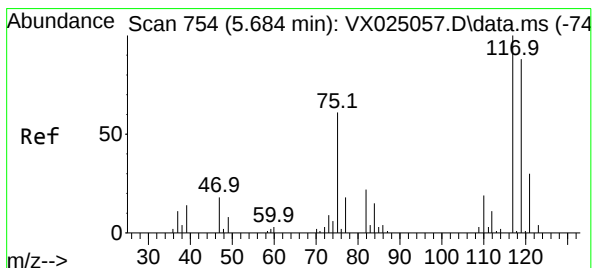
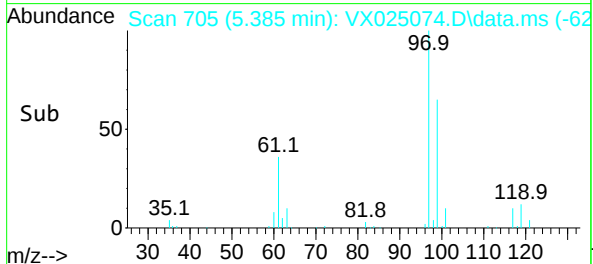
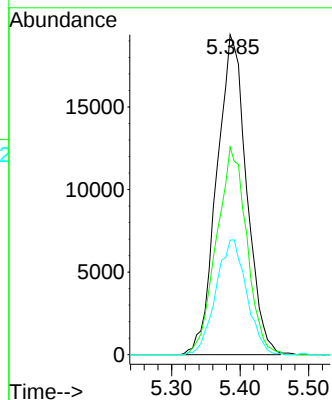
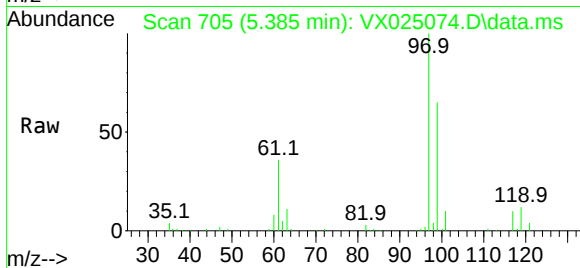
Tgt Ion: 97 Resp: 58409

Ion Ratio Lower Upper

97 100

99 65.8 50.4 75.6

61 37.1 36.4 54.6



#33

Carbon Tetrachloride

Concen: 19.902 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.006 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

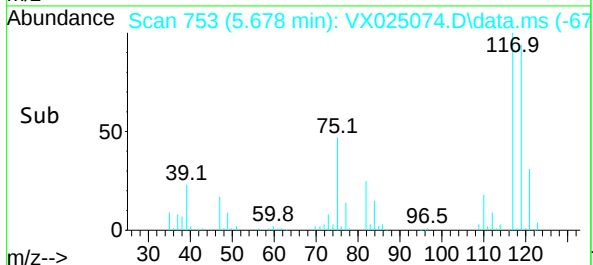
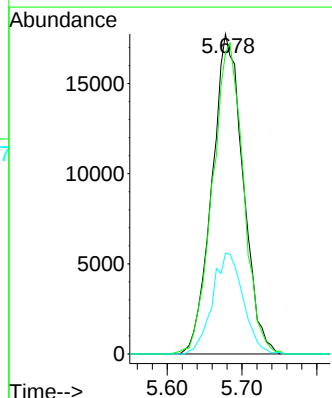
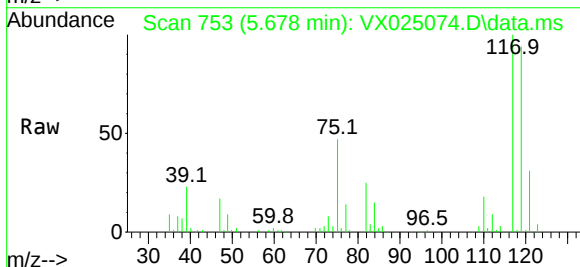
Tgt Ion: 117 Resp: 51267

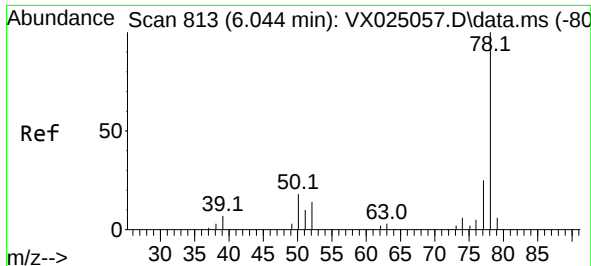
Ion Ratio Lower Upper

117 100

119 93.3 75.4 113.2

121 31.5 24.1 36.1





#34

Benzene

Concen: 19.800 ug/l

RT: 6.044 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

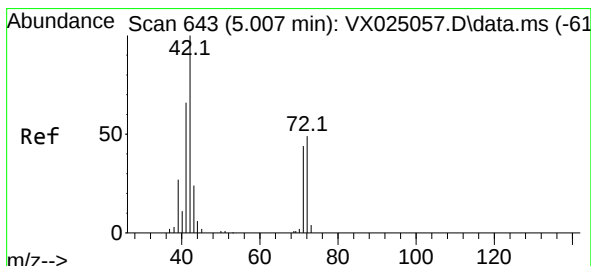
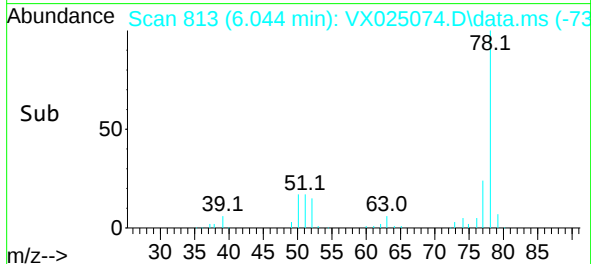
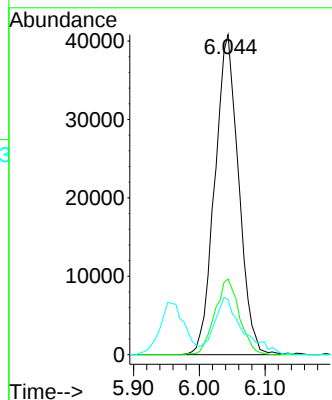
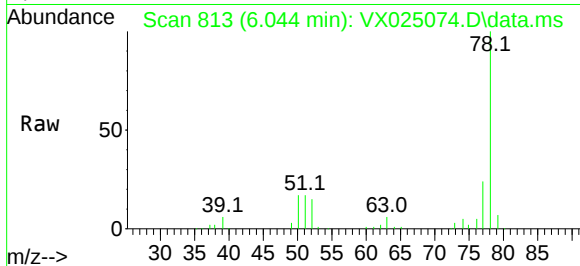
MSVOA_X

ClientSampleId :

VX1104WBSD02

Tgt Ion: 78 Resp: 103048

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.3	28.9
51	16.6	12.2	18.4



#35

Methacrylonitrile

Concen: 20.261 ug/l

RT: 4.928 min Scan# 630

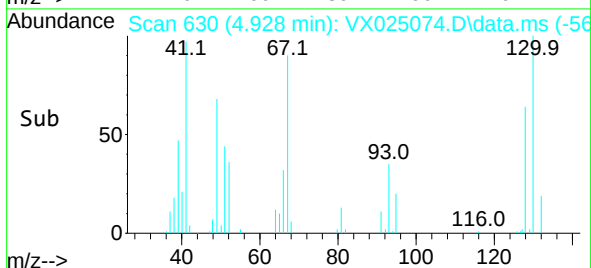
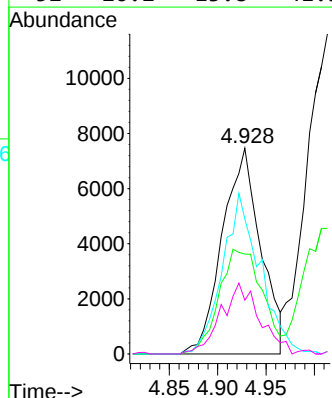
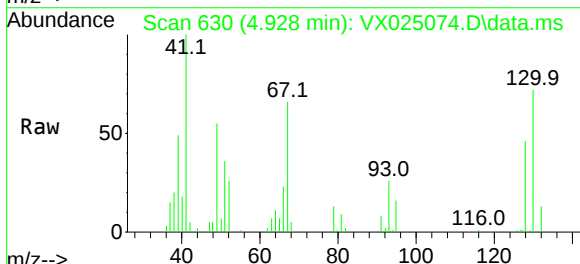
Delta R.T. -0.079 min

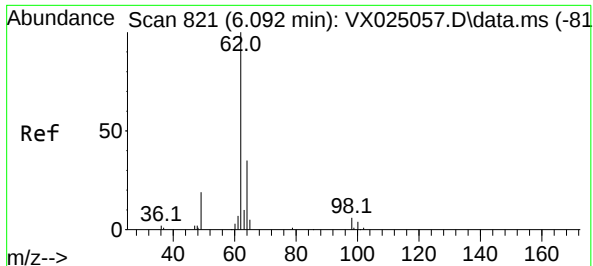
Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Tgt Ion: 41 Resp: 20564

Ion	Ratio	Lower	Upper
41	100		
39	48.6	27.4	82.2
67	65.6	34.6	103.9
52	26.2	13.8	41.3





#36

1,2-Dichloroethane

Concen: 20.560 ug/l

RT: 6.086 min Scan# 81

Delta R.T. -0.006 min

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ClientSampleId :

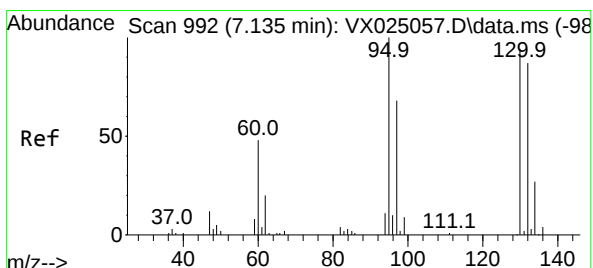
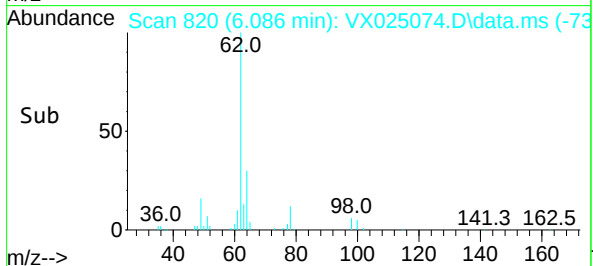
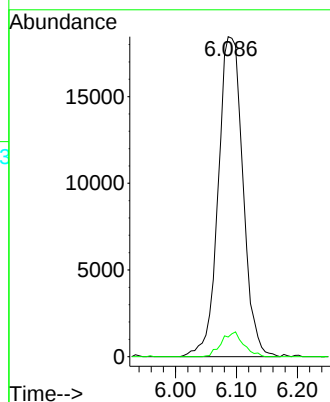
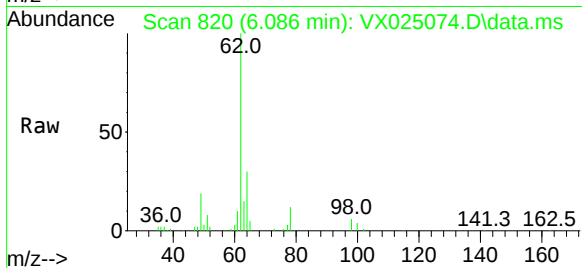
VX1104WBSD02

Tgt Ion: 62 Resp: 51850

Ion Ratio Lower Upper

62 100

98 6.9 7.0 10.4#



#37

Trichloroethene

Concen: 20.166 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.006 min

Lab File: VX025074.D

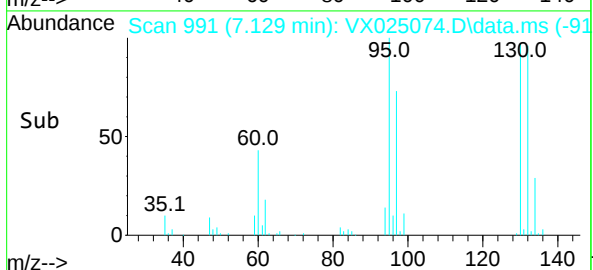
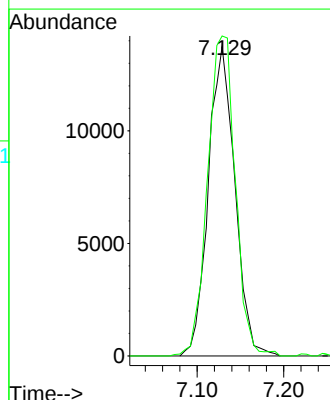
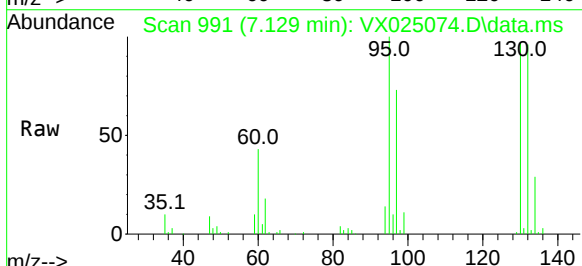
Acq: 04 Nov 2021 16:58

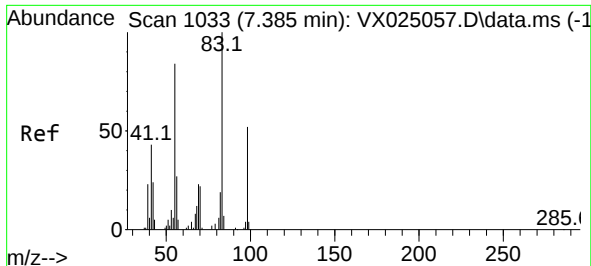
Tgt Ion:130 Resp: 29334

Ion Ratio Lower Upper

130 100

95 103.4 77.0 115.4





#38

Methylcyclohexane

Concen: 21.349 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

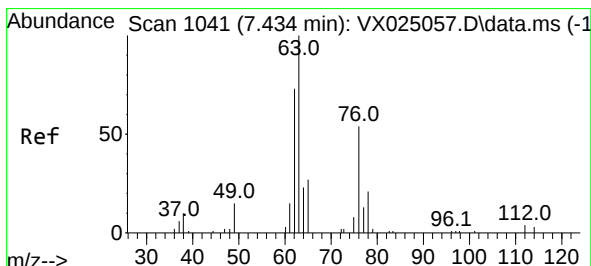
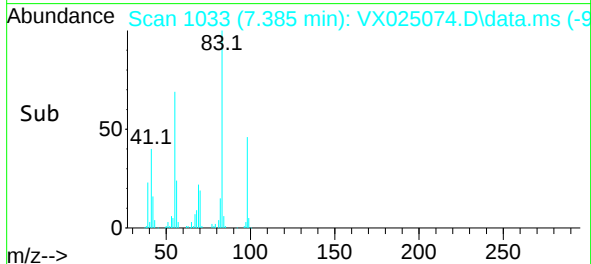
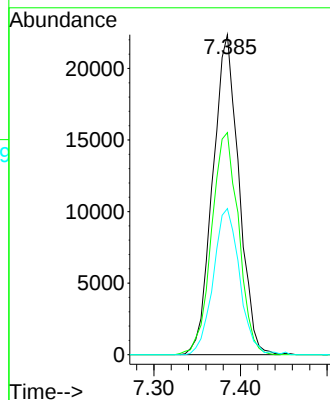
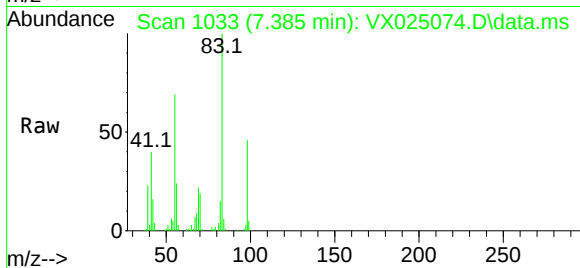
Tgt Ion: 83 Resp: 46781

Ion Ratio Lower Upper

83 100

55 71.7 37.8 113.4

98 45.7 23.4 70.3



#39

1,2-Dichloropropane

Concen: 20.459 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX025074.D

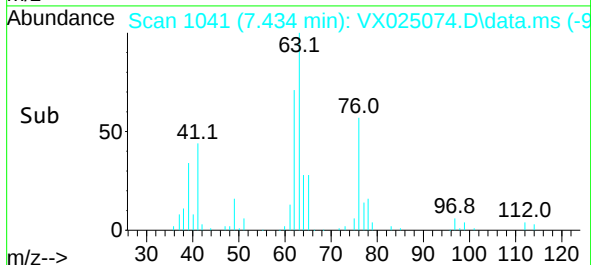
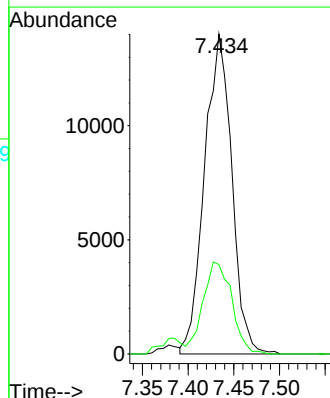
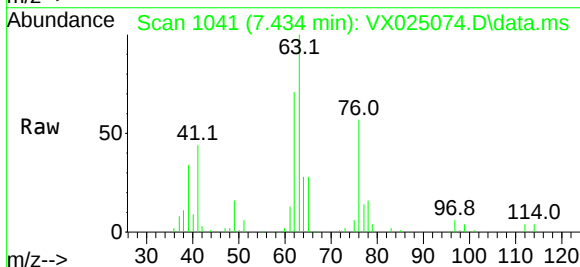
Acq: 04 Nov 2021 16:58

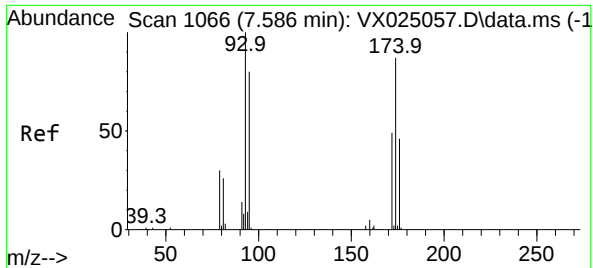
Tgt Ion: 63 Resp: 29057

Ion Ratio Lower Upper

63 100

65 27.9 23.4 35.0

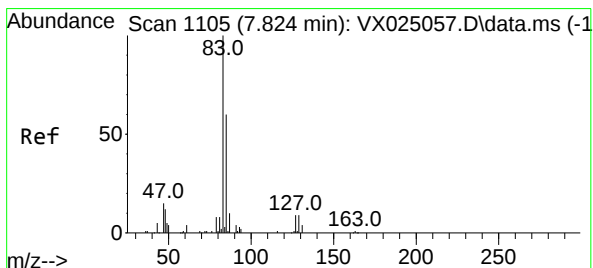
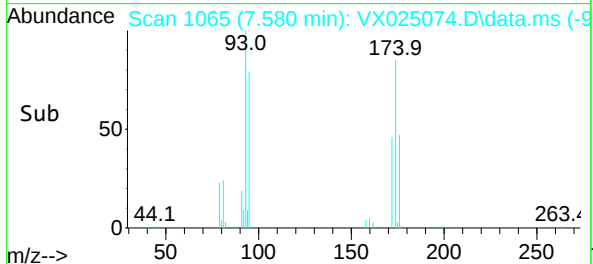
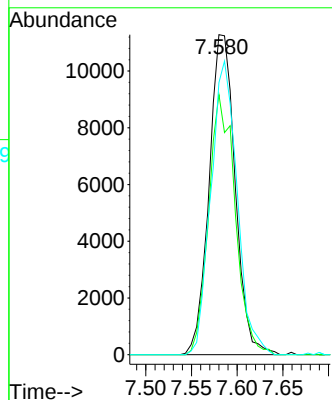
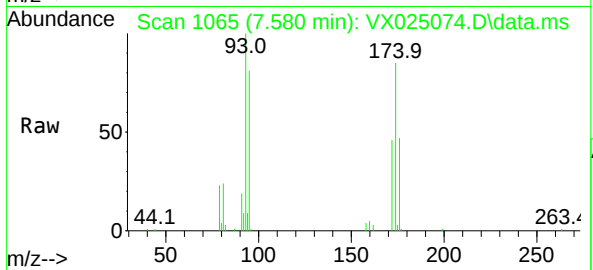




#40
Dibromomethane
Concen: 20.231 ug/l
RT: 7.580 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

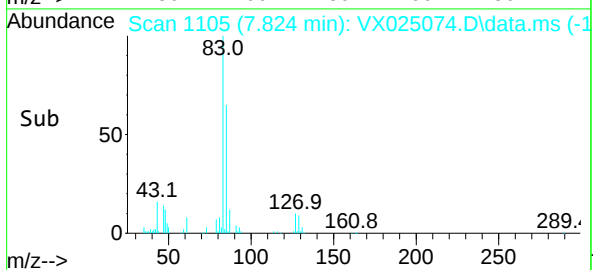
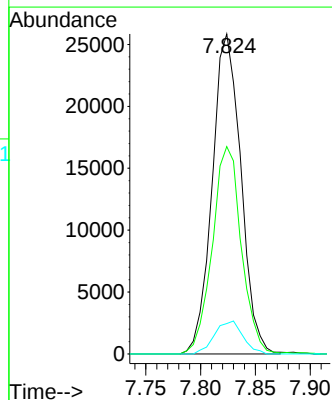
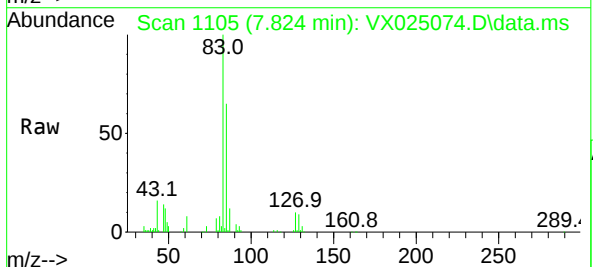
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

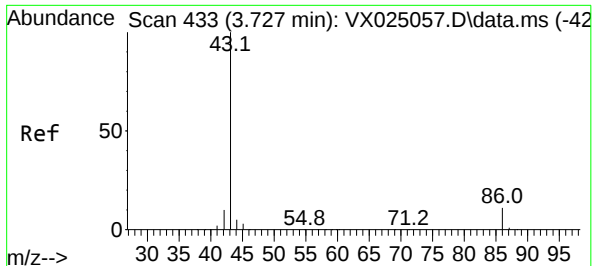
Tgt Ion: 93 Resp: 22385
Ion Ratio Lower Upper
93 100
95 82.4 0.0 168.4
174 92.4 0.0 206.6



#41
Bromodichloromethane
Concen: 20.019 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 83 Resp: 47031
Ion Ratio Lower Upper
83 100
85 64.8 51.7 77.5
127 9.5 7.4 11.0

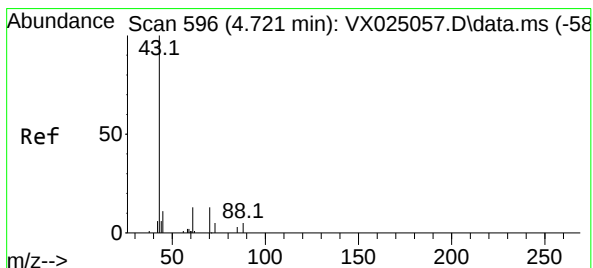
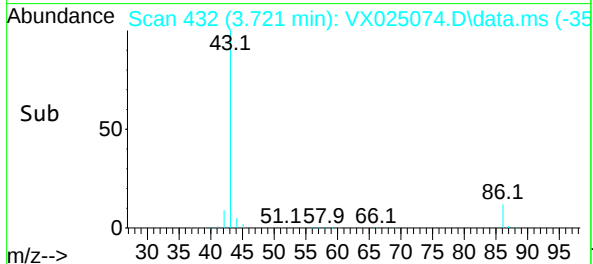
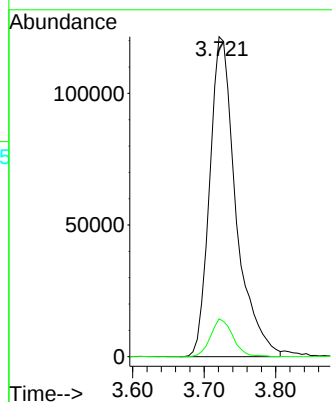
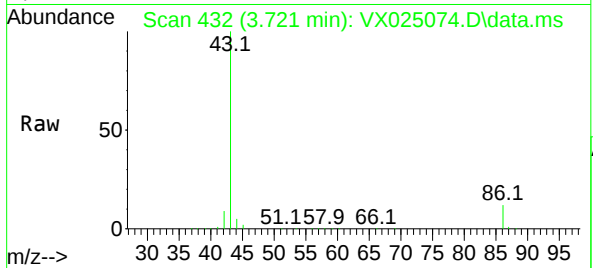




#42
 Vinyl Acetate
 Concen: 101.076 ug/l
 RT: 3.721 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX025074.D
 Acq: 04 Nov 2021 16:58

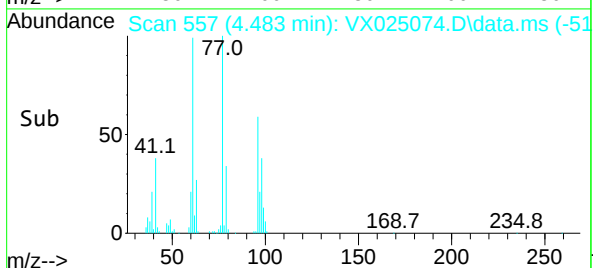
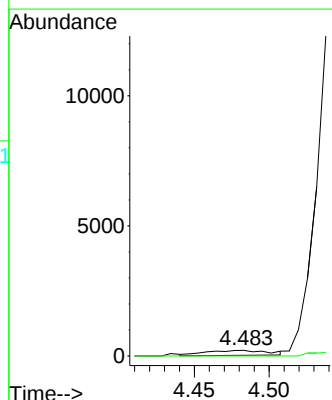
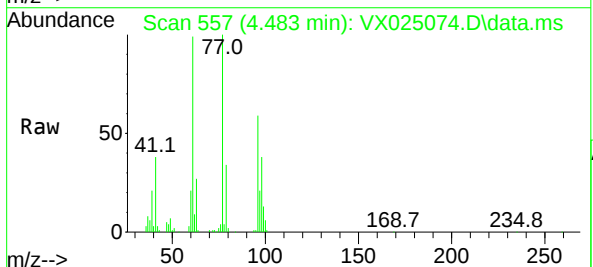
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBSD02

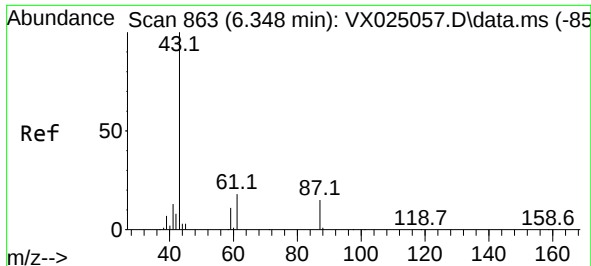
Tgt Ion: 43 Resp: 311243
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.2 10.8



#43
 Ethyl Acetate
 Concen: 0.283 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.238 min
 Lab File: VX025074.D
 Acq: 04 Nov 2021 16:58

Tgt Ion: 43 Resp: 559
 Ion Ratio Lower Upper
 43 100
 45 14.3 12.1 18.1

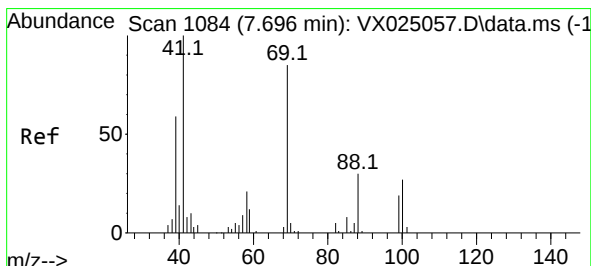
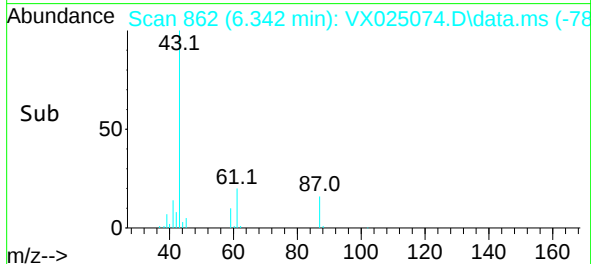
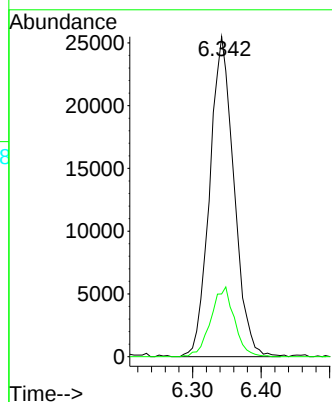
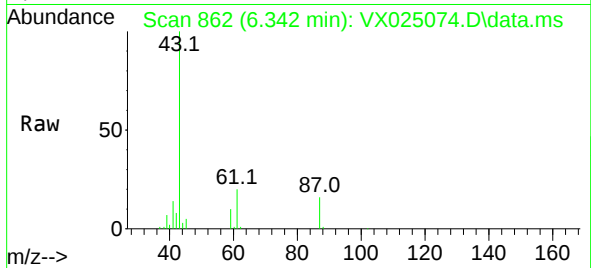




#44
Isopropyl Acetate
Concen: 20.344 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

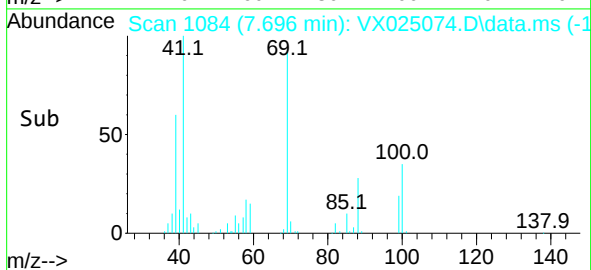
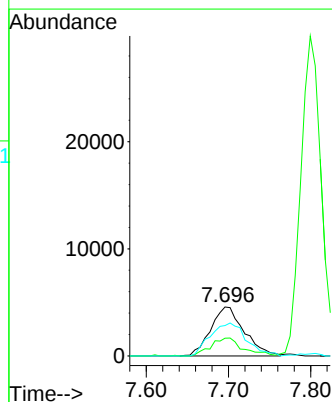
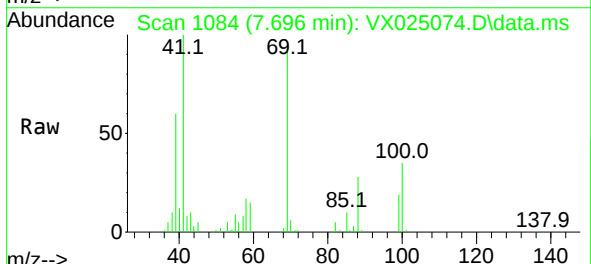
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

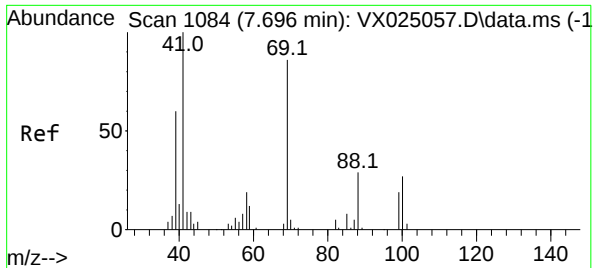
Tgt Ion: 43 Resp: 62772
Ion Ratio Lower Upper
43 100
61 21.1 15.4 23.2



#45
1,4-Dioxane
Concen: 394.491 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 88 Resp: 12926
Ion Ratio Lower Upper
88 100
43 30.0 25.3 37.9
58 73.2 53.1 79.7

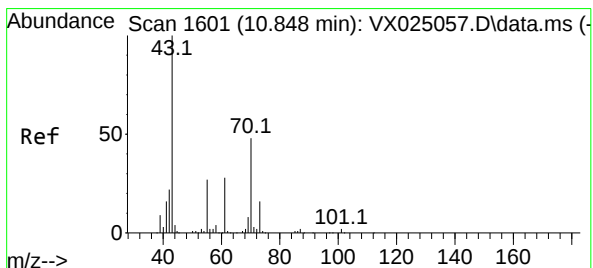
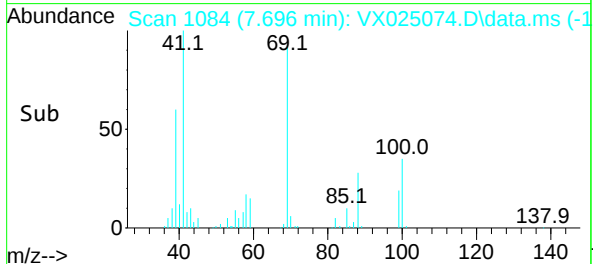
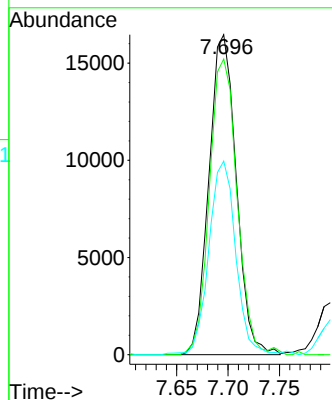
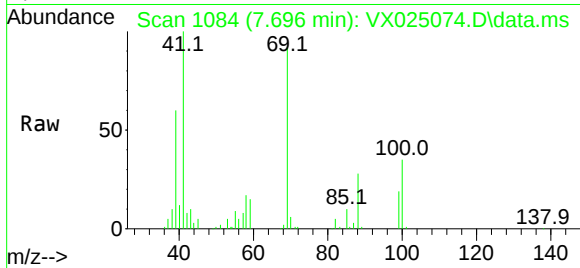




#46
Methyl methacrylate
Concen: 20.143 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

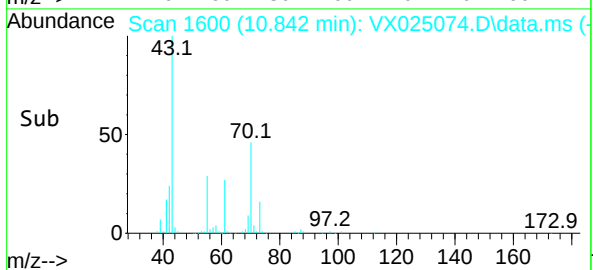
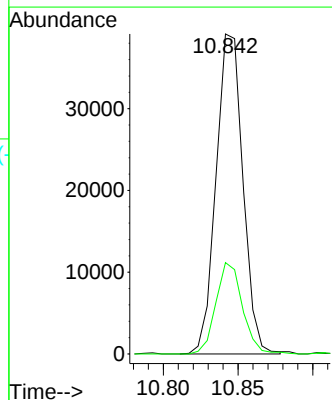
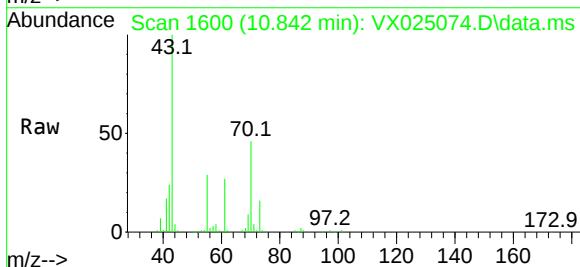
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

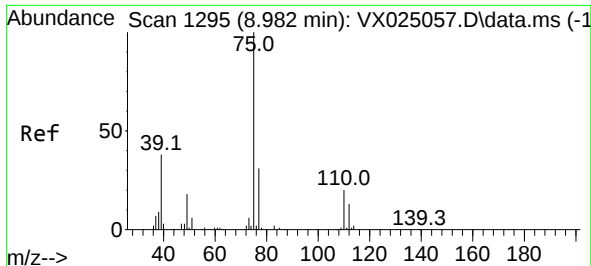
Tgt Ion:	41	Resp:	30386
Ion	Ratio	Lower	Upper
41	100		
69	92.4	39.5	118.5
39	60.0	29.0	87.1



#47
n-amy1 Acetate
Concen: 19.658 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:	43	Resp:	48915
Ion	Ratio	Lower	Upper
43	100		
55	28.1	18.9	28.3





#48

t-1,3-Dichloropropene

Concen: 22.998 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

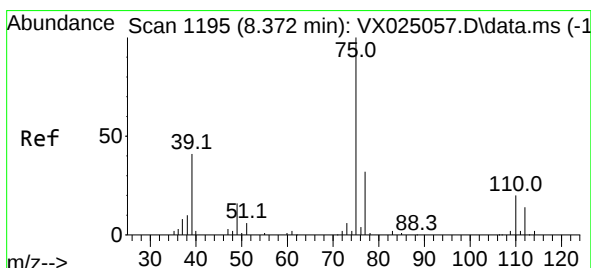
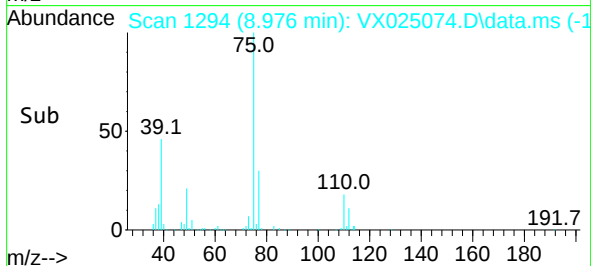
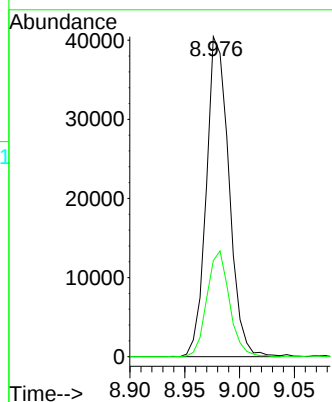
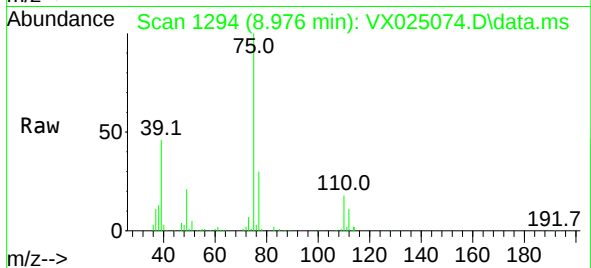
VX1104WBSD02

Tgt Ion: 75 Resp: 58202

Ion Ratio Lower Upper

75 100

77 30.1 25.8 38.8



#49

cis-1,3-Dichloropropene

Concen: 20.180 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.006 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

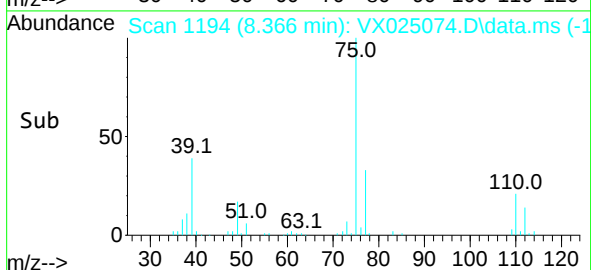
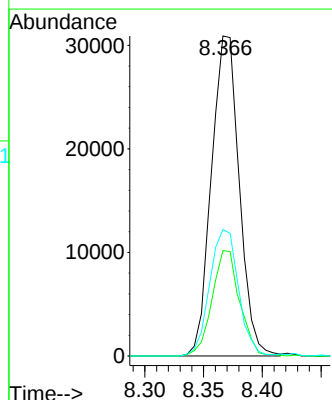
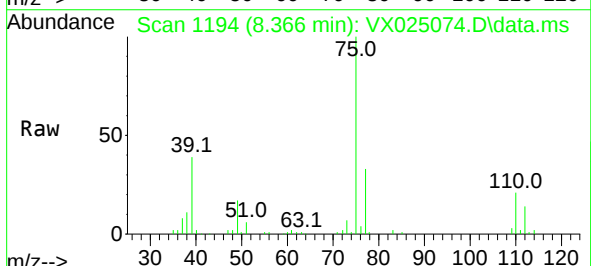
Tgt Ion: 75 Resp: 50980

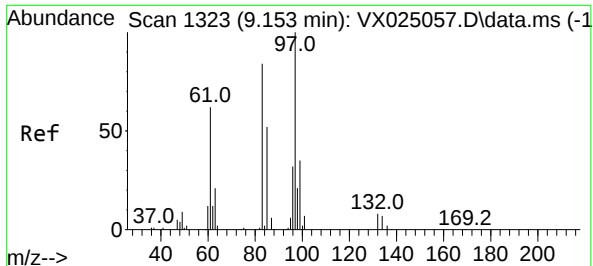
Ion Ratio Lower Upper

75 100

77 33.0 23.6 35.4

39 39.5 44.0 66.0#





#50

1,1,2-Trichloroethane

Concen: 22.658 ug/l

RT: 9.153 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

Tgt Ion: 97 Resp: 33947

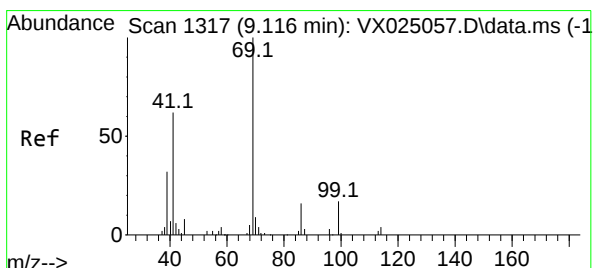
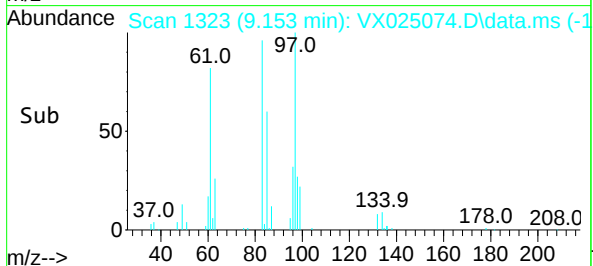
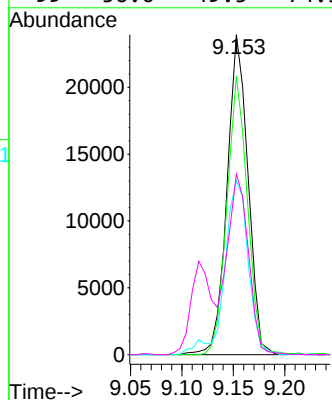
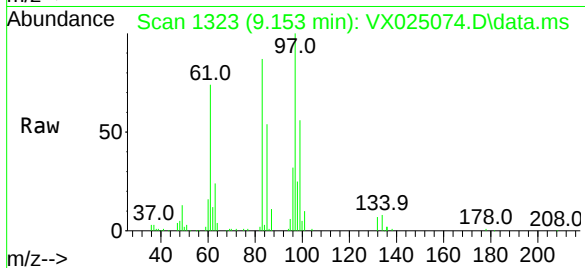
Ion Ratio Lower Upper

97 100

83 87.1 64.2 96.4

85 54.4 42.4 63.6

99 56.0 49.5 74.3



#51

Ethyl methacrylate

Concen: 24.129 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

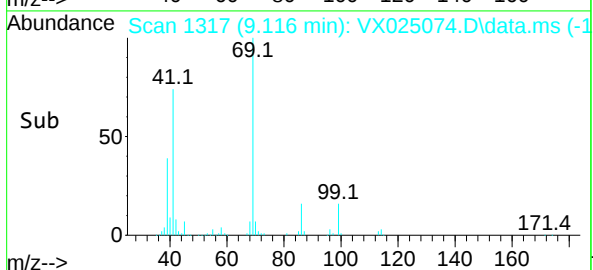
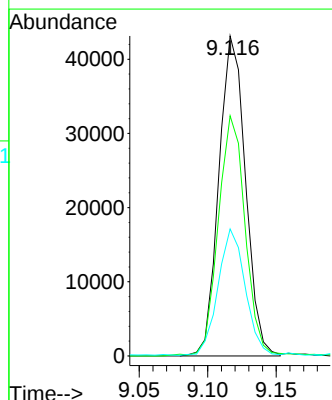
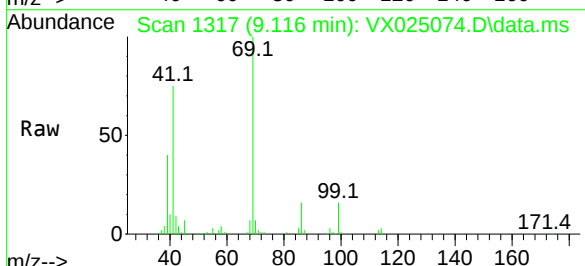
Tgt Ion: 69 Resp: 58266

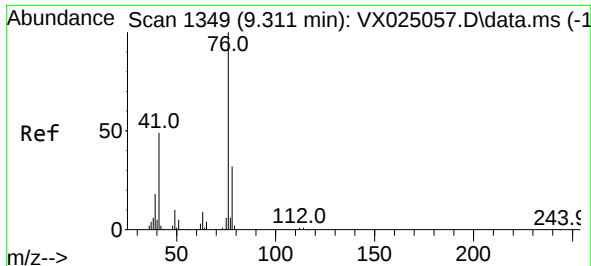
Ion Ratio Lower Upper

69 100

41 74.5 35.8 107.3

39 39.5 20.3 60.8





#52

1,3-Dichloropropane

Concen: 22.035 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

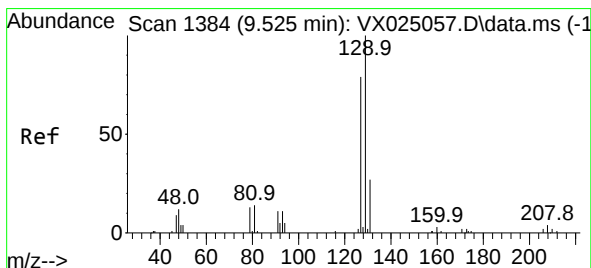
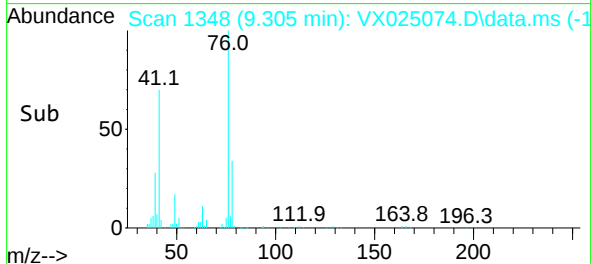
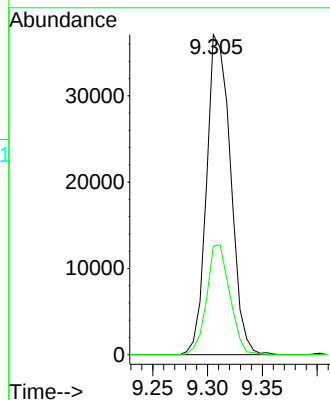
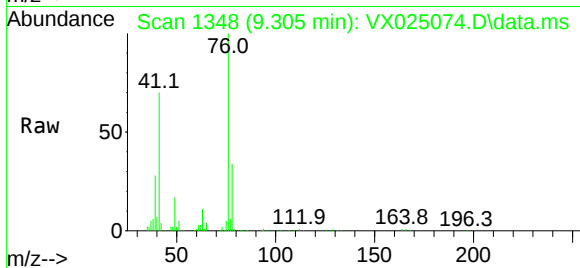
VX1104WBSD02

Tgt Ion: 76 Resp: 56413

Ion Ratio Lower Upper

76 100

78 33.2 0.0 64.0



#53

Dibromochloromethane

Concen: 20.411 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VX025074.D

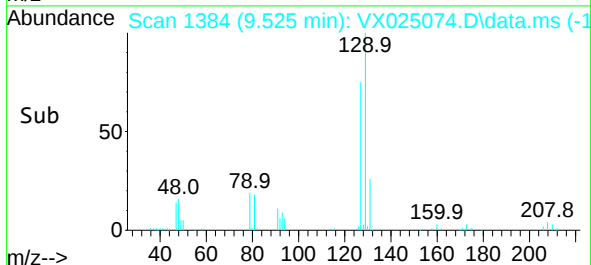
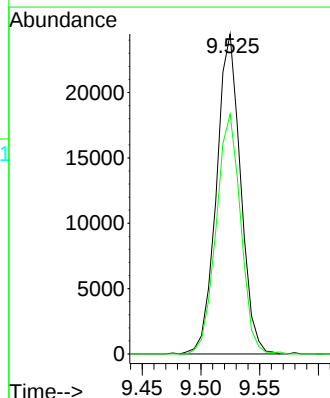
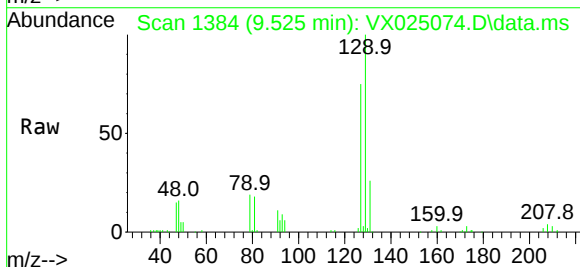
Acq: 04 Nov 2021 16:58

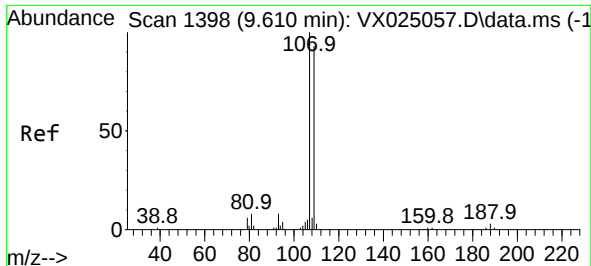
Tgt Ion: 129 Resp: 34912

Ion Ratio Lower Upper

129 100

127 75.9 39.3 117.9

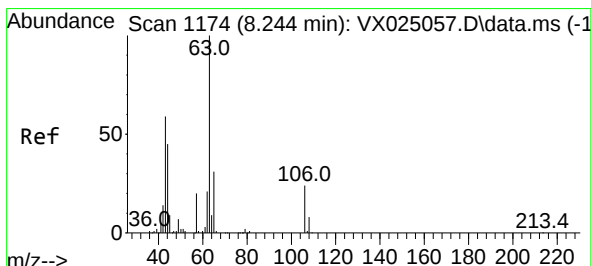
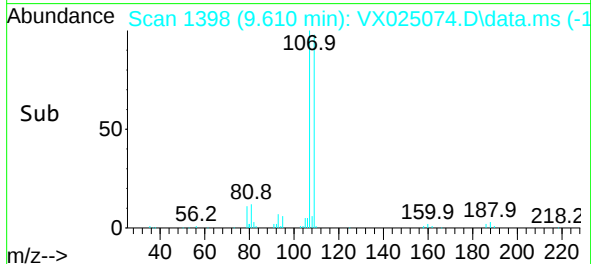
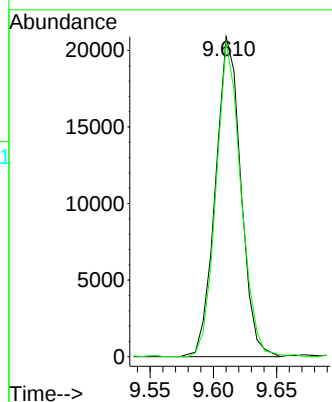
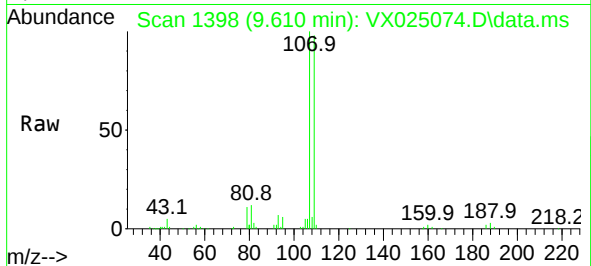




#54
1,2-Dibromoethane
Concen: 17.378 ug/l
RT: 9.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

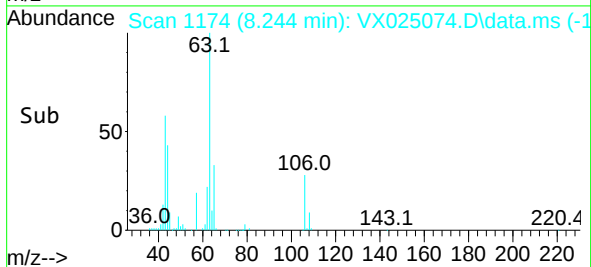
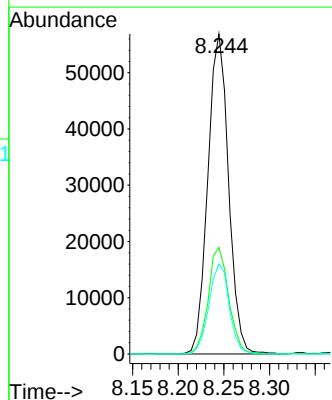
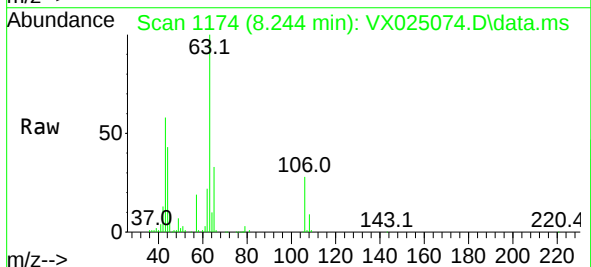
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

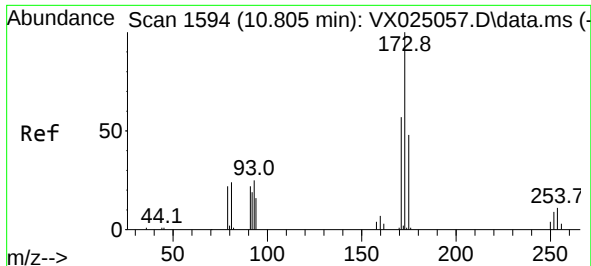
Tgt Ion:107 Resp: 29082
Ion Ratio Lower Upper
107 100
109 96.4 75.3 112.9



#55
2-Chloroethyl vinyl ether
Concen: 83.218 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 63 Resp: 89421
Ion Ratio Lower Upper
63 100
65 33.0 25.8 38.6
106 27.6 21.8 32.8

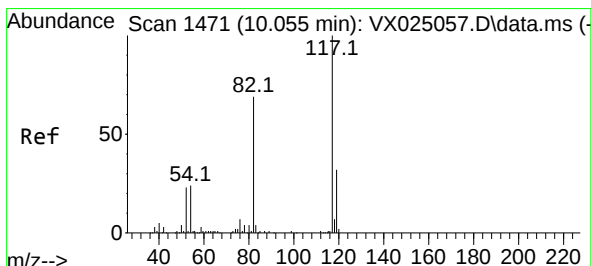
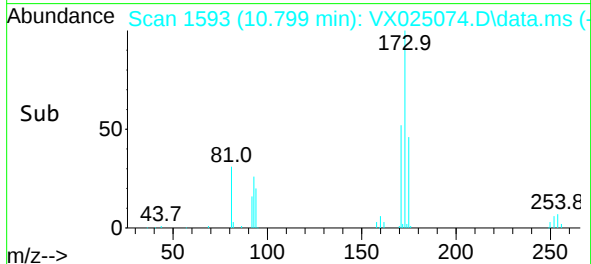
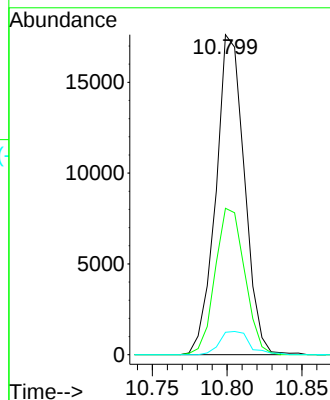
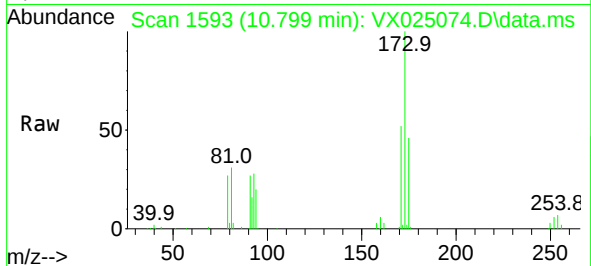




#56
Bromoform
Concen: 20.602 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

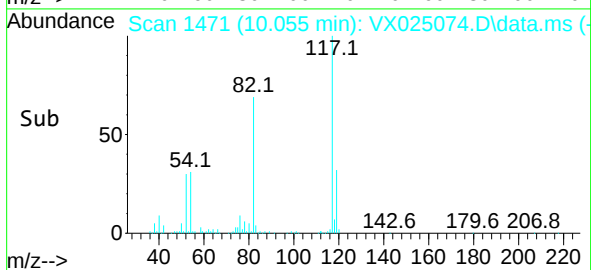
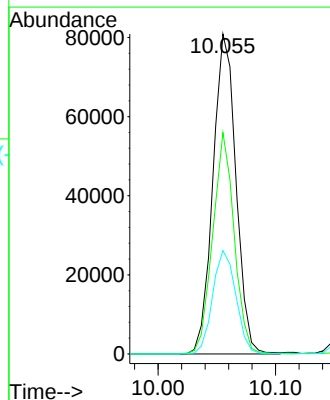
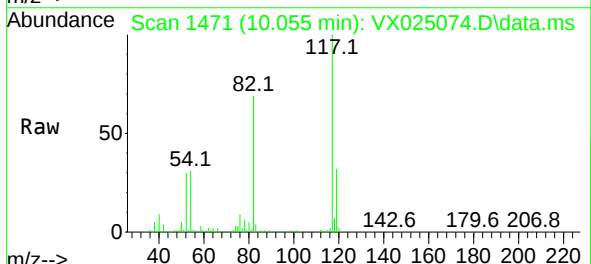
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

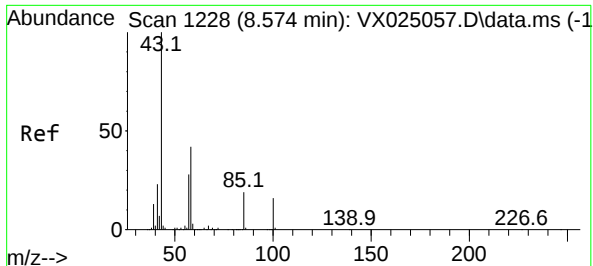
Tgt Ion:173 Resp: 23397
Ion Ratio Lower Upper
173 100
175 47.4 38.4 57.6
254 7.6 7.3 10.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:117 Resp: 110187
Ion Ratio Lower Upper
117 100
82 64.7 45.0 67.4
119 32.4 26.2 39.2





#58

4-Methyl-2-Pentanone

Concen: 105.363 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

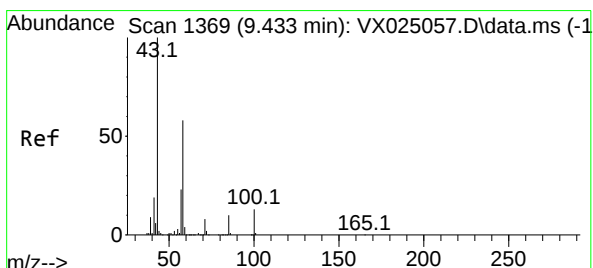
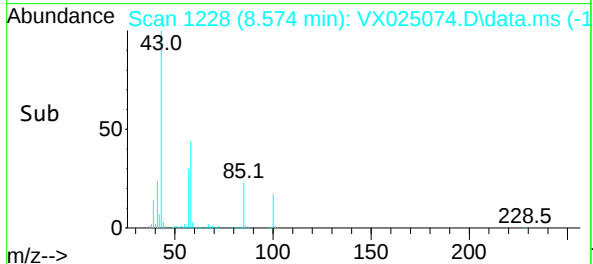
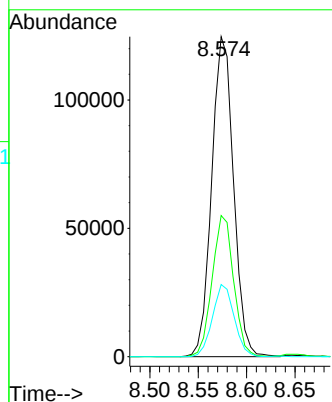
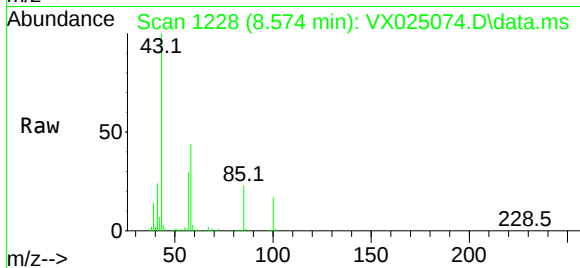
Tgt Ion: 43 Resp: 195712

Ion Ratio Lower Upper

43 100

58 43.5 30.5 45.7

85 22.4 14.0 21.0#



#59

2-Hexanone

Concen: 163.918 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

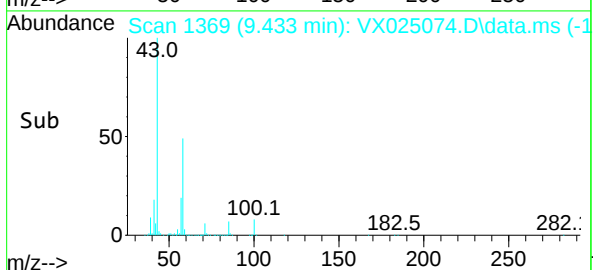
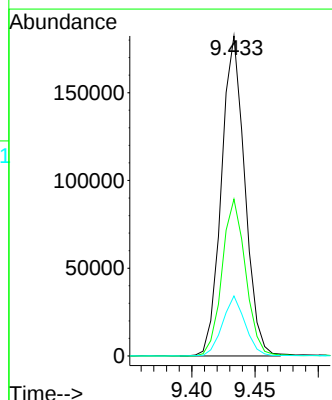
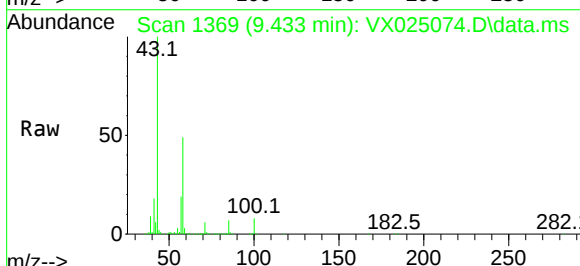
Tgt Ion: 43 Resp: 233953

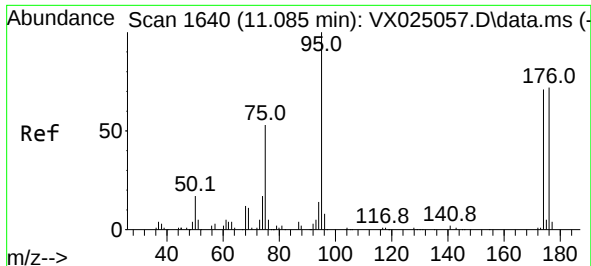
Ion Ratio Lower Upper

43 100

58 49.4 42.1 63.1

57 17.9 14.9 22.3

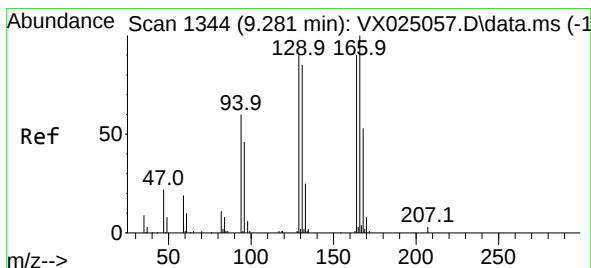
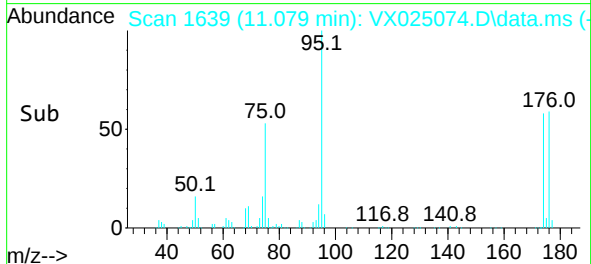
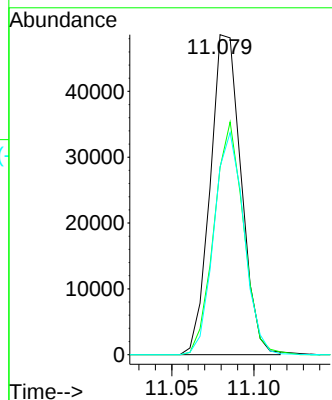
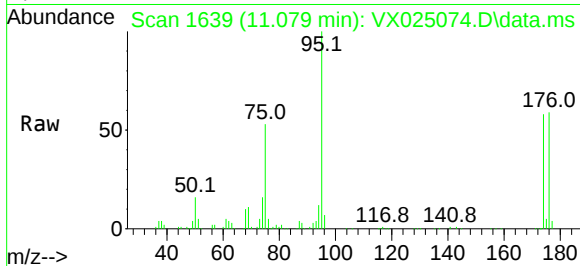




#60
4-Bromofluorobenzene
Concen: 31.698 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

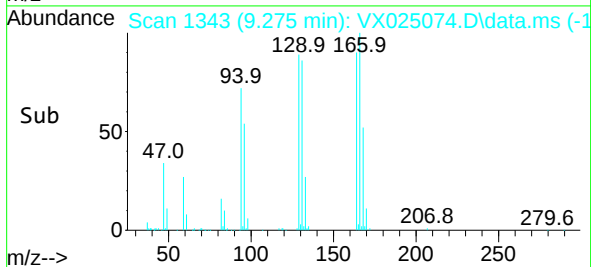
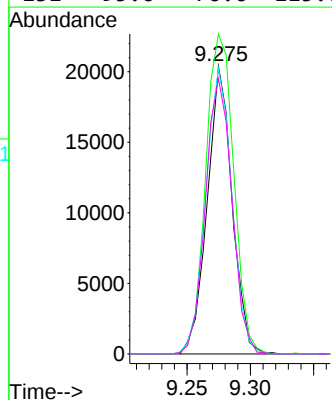
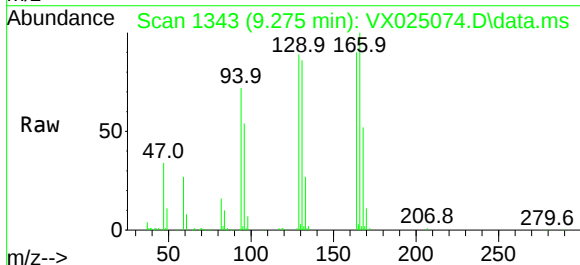
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

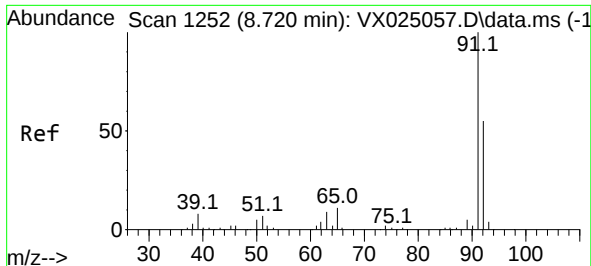
Tgt Ion: 95 Resp: 63727
Ion Ratio Lower Upper
95 100
174 69.3 63.5 95.3
176 67.4 63.0 94.4



#61
Tetrachloroethene
Concen: 21.612 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 164 Resp: 27904
Ion Ratio Lower Upper
164 100
166 111.2 98.6 147.8
129 99.3 79.7 119.5
131 95.6 76.6 115.0

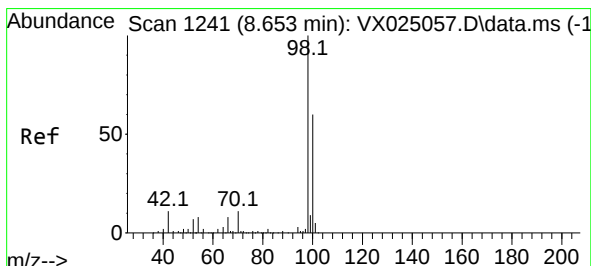
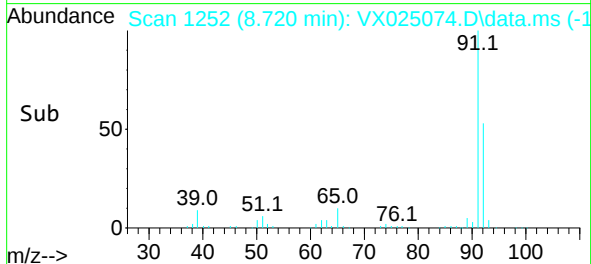
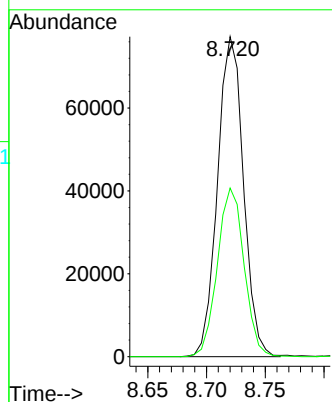
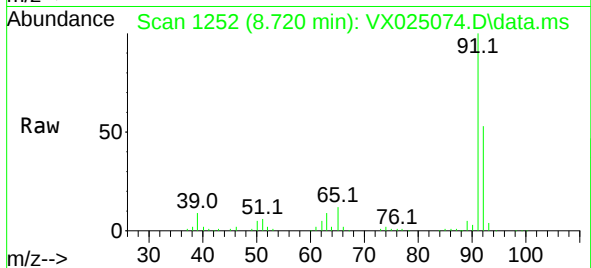




#62
Toluene
Concen: 21.055 ug/l
RT: 8.720 min Scan# 118670
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

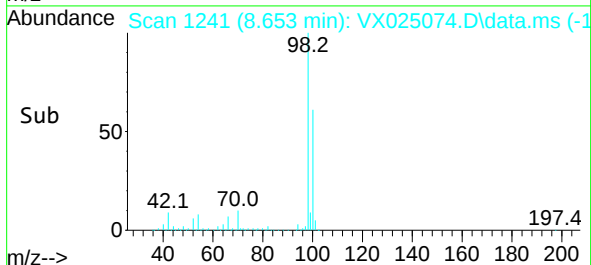
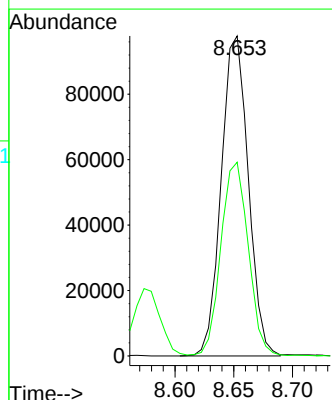
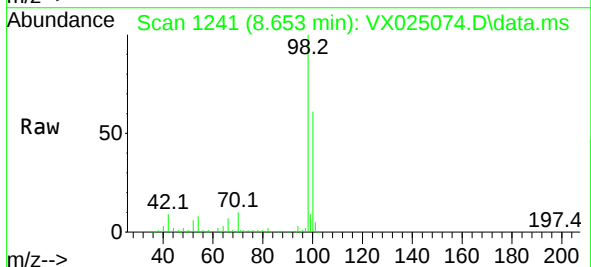
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

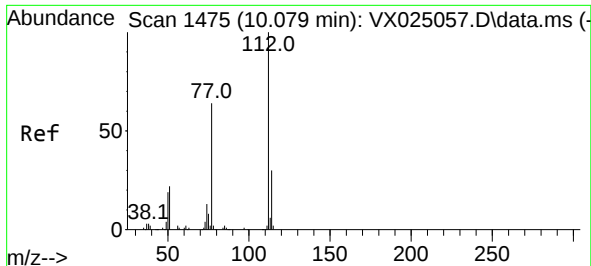
Tgt Ion: 91 Resp: 118670
Ion Ratio Lower Upper
91 100
92 54.2 46.5 69.7



#63
Toluene-d8
Concen: 30.809 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 98 Resp: 156788
Ion Ratio Lower Upper
98 100
100 60.9 51.4 77.0

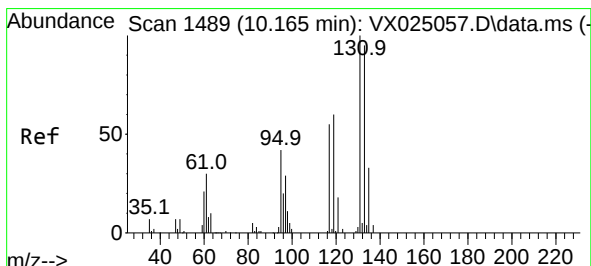
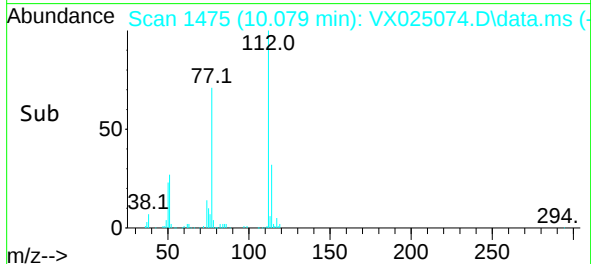
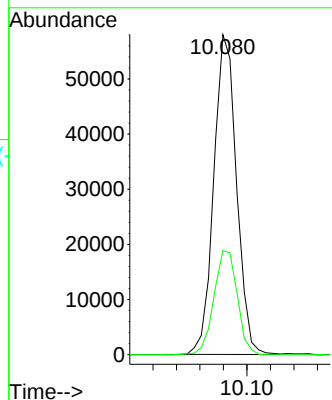
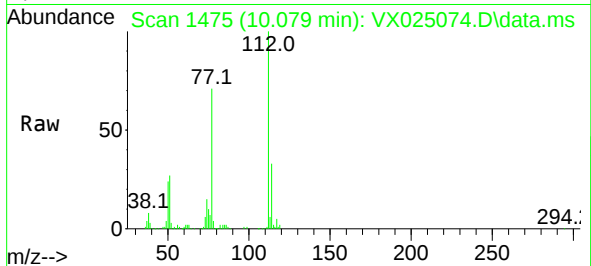




#64
Chlorobenzene
Concen: 22.915 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

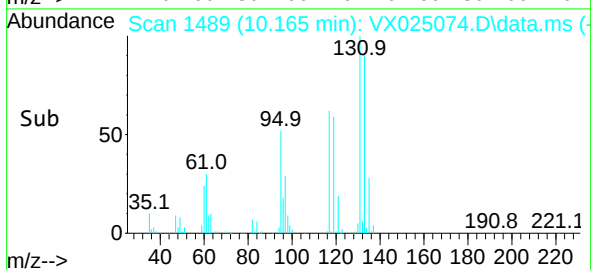
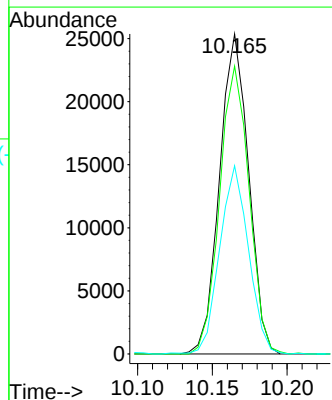
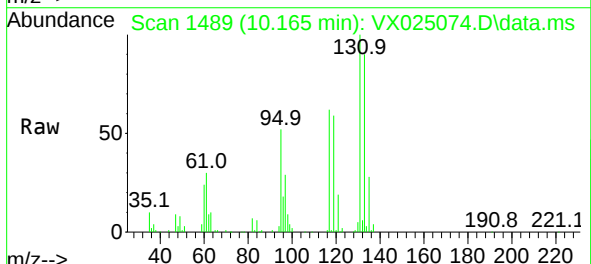
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

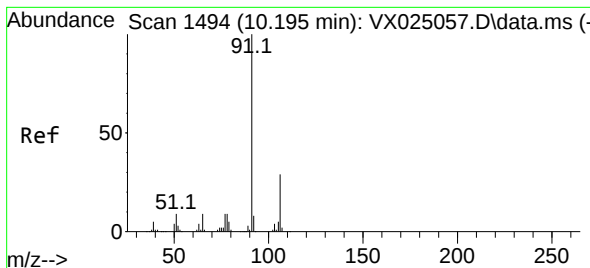
Tgt Ion:112 Resp: 78009
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0



#65
1,1,1,2-Tetrachloroethane
Concen: 22.524 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:131 Resp: 34254
Ion Ratio Lower Upper
131 100
133 91.2 0.0 191.2
119 58.3 0.0 133.2

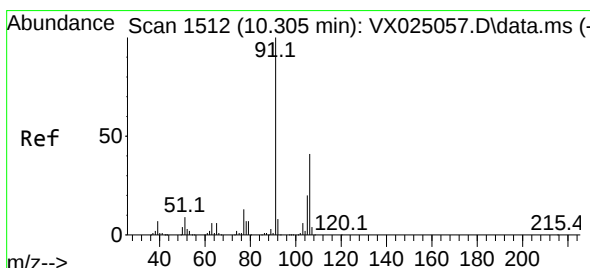
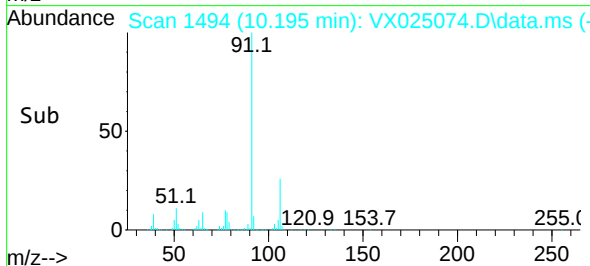
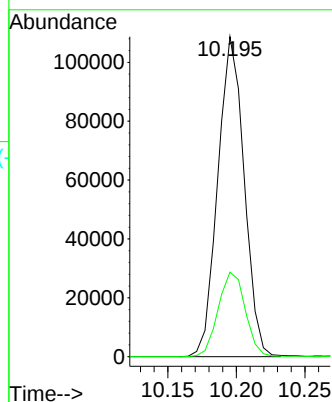
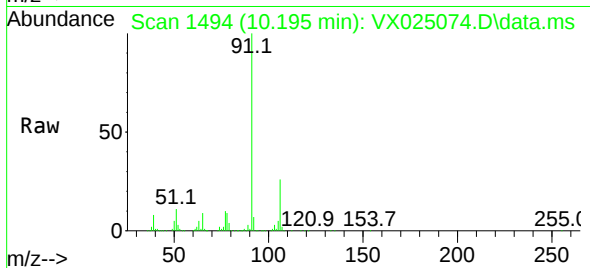




#66
Ethyl Benzene
Concen: 21.786 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

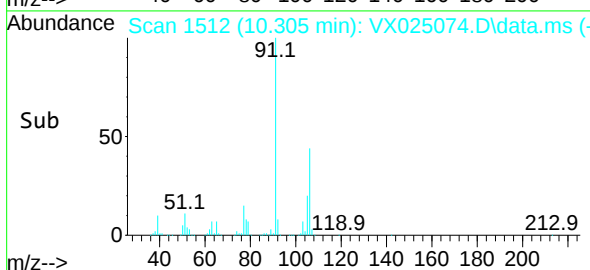
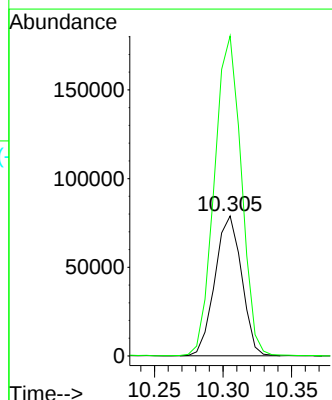
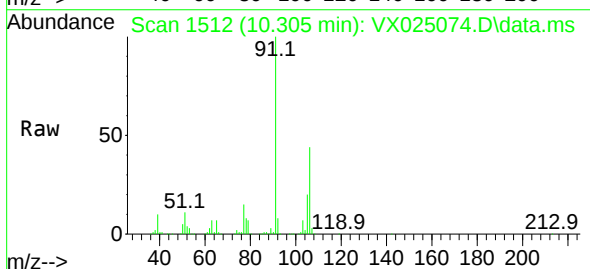
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

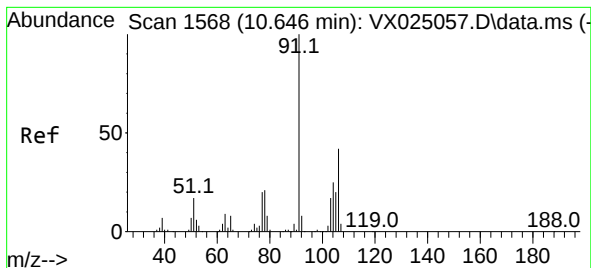
Tgt Ion: 91 Resp: 145190
Ion Ratio Lower Upper
91 100
106 26.4 24.7 37.1



#67
m/p-Xylenes
Concen: 46.644 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 106 Resp: 106888
Ion Ratio Lower Upper
106 100
91 231.1 162.4 243.6

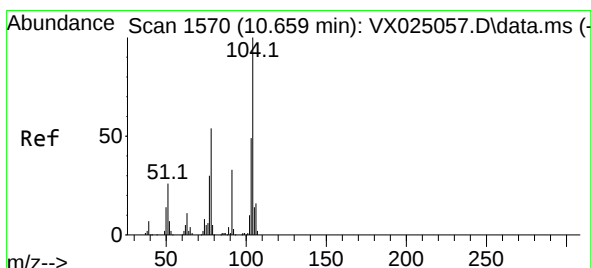
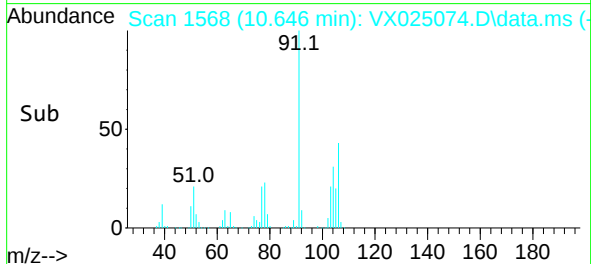
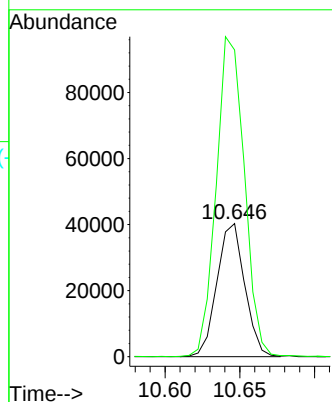
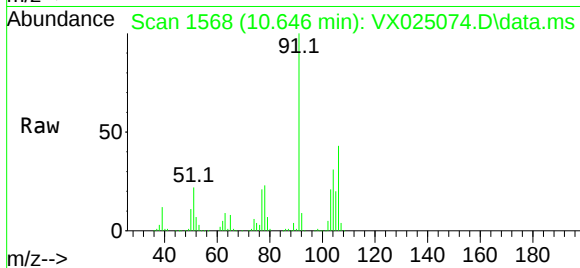




#68
o-Xylene
Concen: 23.273 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

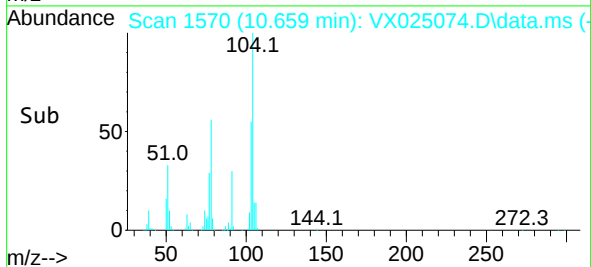
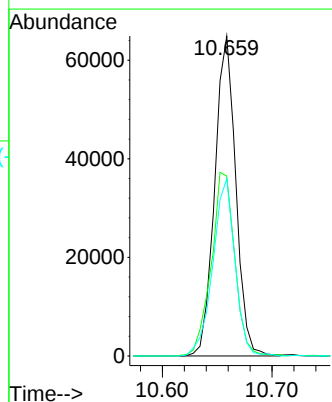
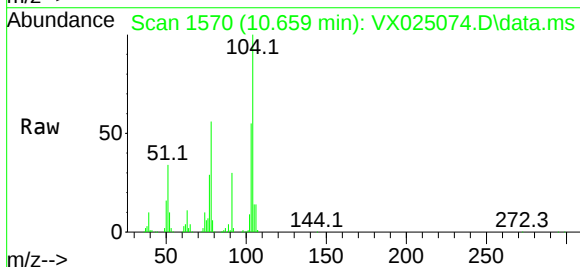
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

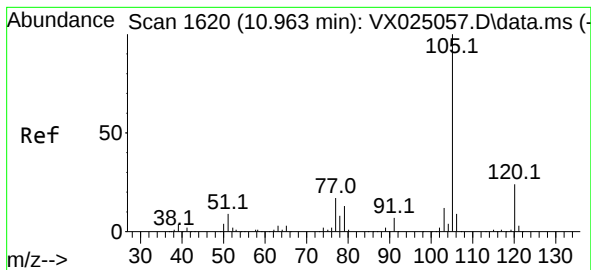
Tgt Ion:106 Resp: 52082
Ion Ratio Lower Upper
106 100
91 243.3 107.3 321.8



#69
Styrene
Concen: 22.788 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:104 Resp: 86629
Ion Ratio Lower Upper
104 100
78 64.0 41.4 62.0#
103 58.0 44.2 66.4





#70

Isopropylbenzene

Concen: 21.849 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

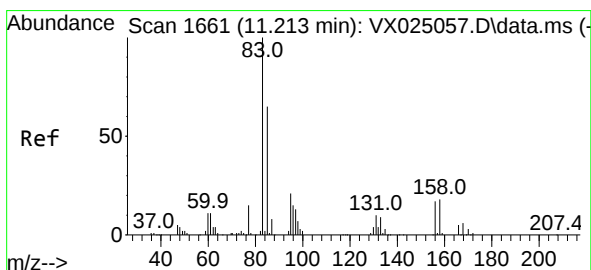
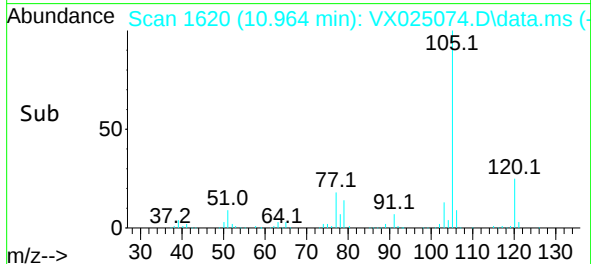
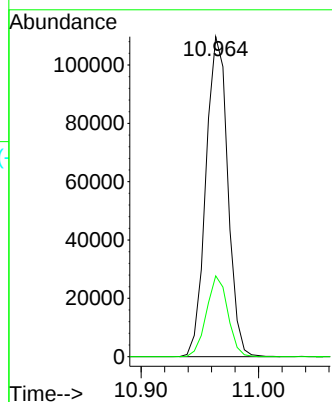
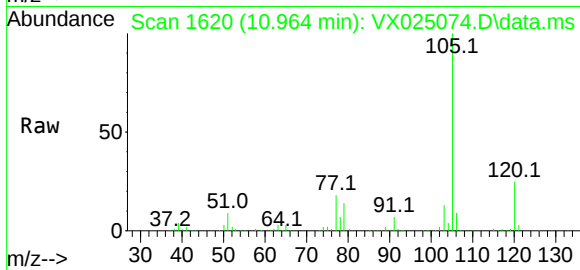
VX1104WBSD02

Tgt Ion:105 Resp: 142057

Ion Ratio Lower Upper

105 100

120 24.5 18.7 34.7



#71

1,1,2,2-Tetrachloroethane

Concen: 21.586 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

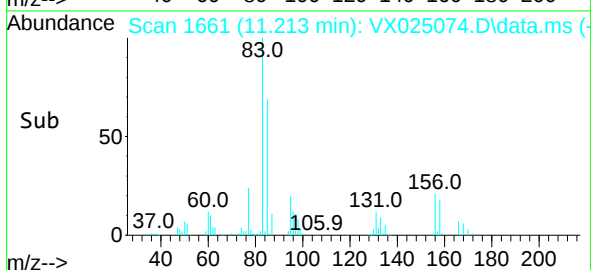
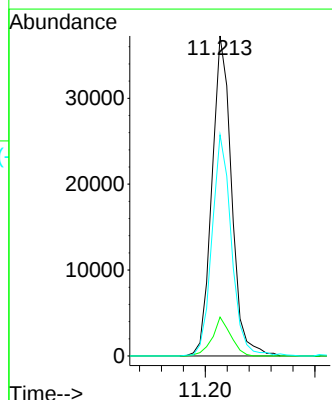
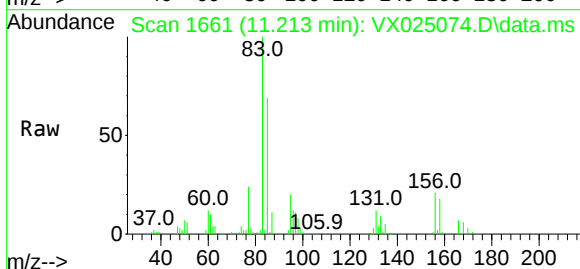
Tgt Ion: 83 Resp: 46330

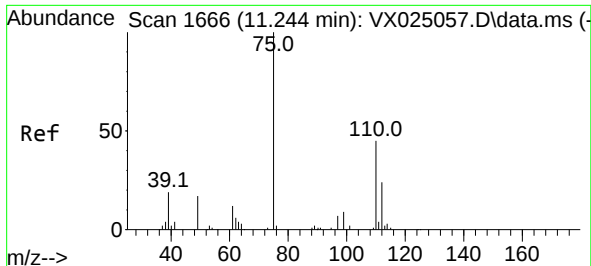
Ion Ratio Lower Upper

83 100

131 11.3 5.1 15.4

85 67.3 32.4 97.2

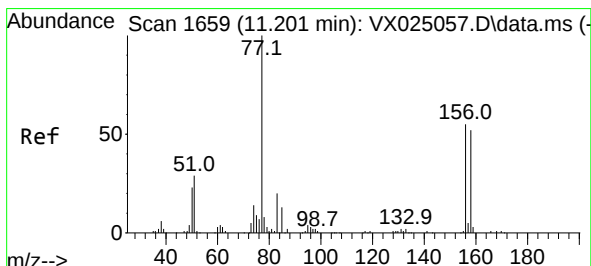
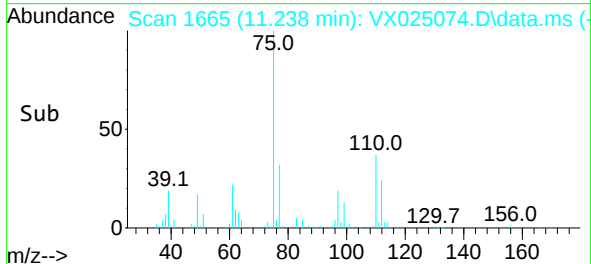
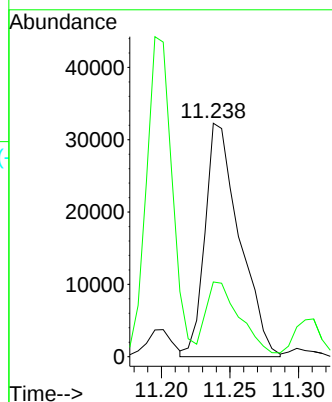
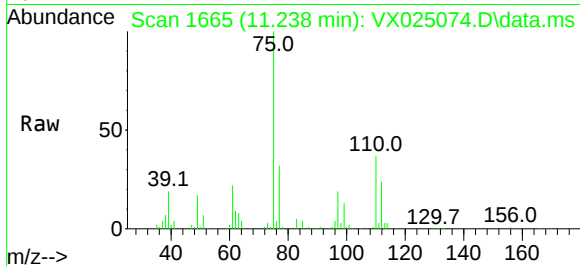




#72
1,2,3-Trichloropropane
Concen: 27.157 ug/l
RT: 11.238 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

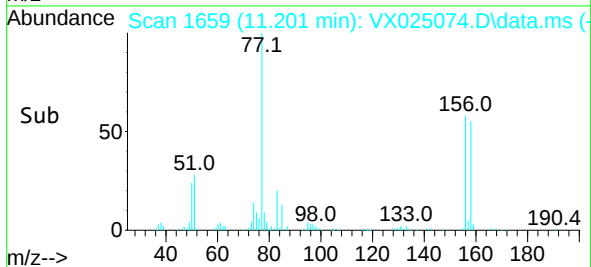
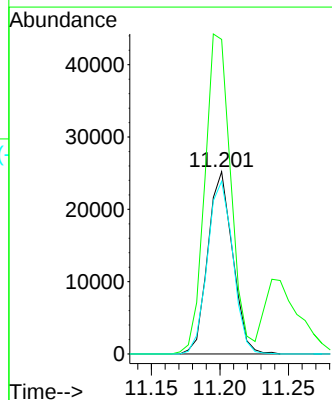
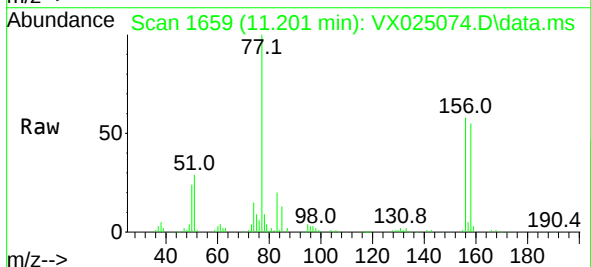
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

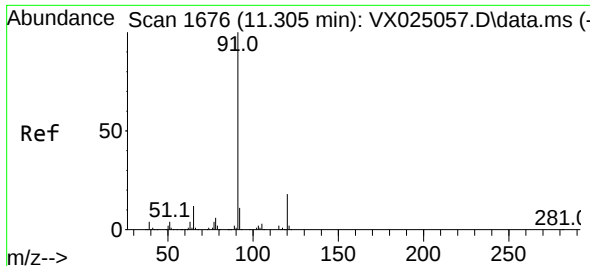
Tgt Ion: 75 Resp: 56455
Ion Ratio Lower Upper
75 100
77 31.9 0.0 77.4



#73
Bromobenzene
Concen: 21.952 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:156 Resp: 31893
Ion Ratio Lower Upper
156 100
77 183.1 0.0 303.2
158 96.7 0.0 197.2

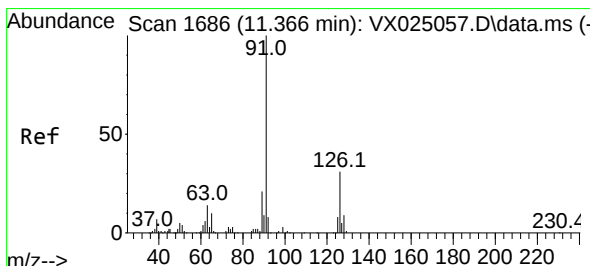
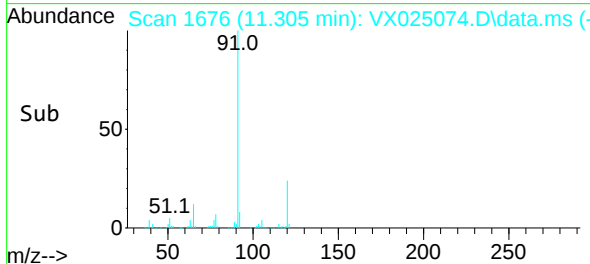
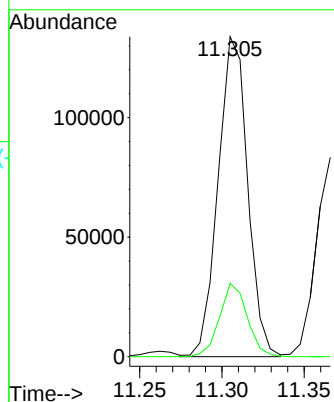
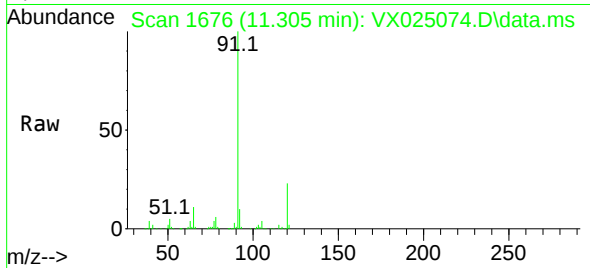




#74
n-propylbenzene
Concen: 21.690 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

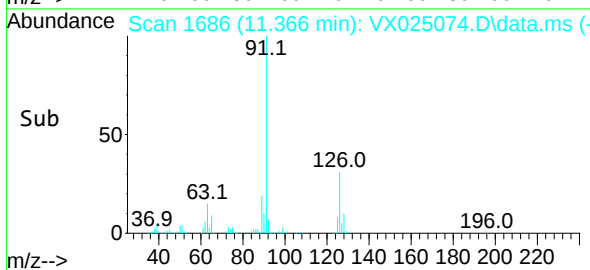
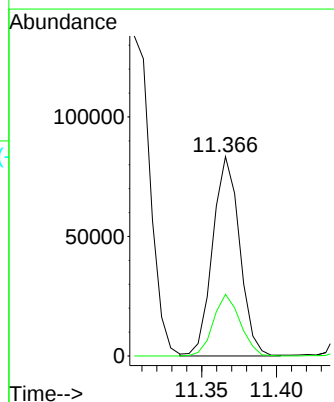
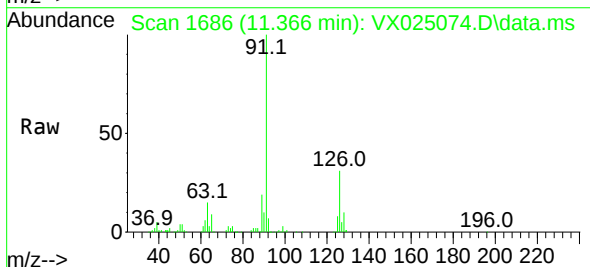
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

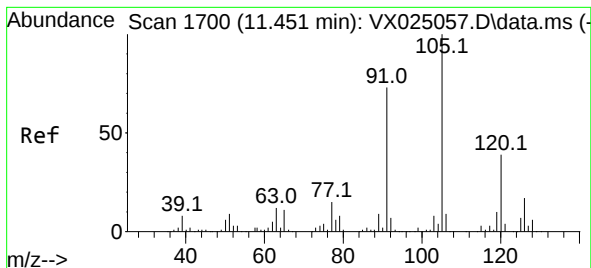
Tgt Ion: 91 Resp: 167251
Ion Ratio Lower Upper
91 100
120 21.5 0.0 46.0



#75
2-Chlorotoluene
Concen: 21.693 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 91 Resp: 104828
Ion Ratio Lower Upper
91 100
126 30.6 0.0 69.0





#76

1,3,5-Trimethylbenzene

Concen: 21.903 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

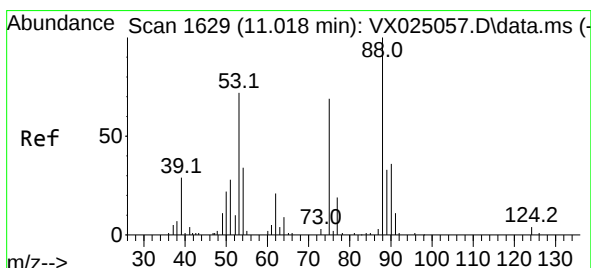
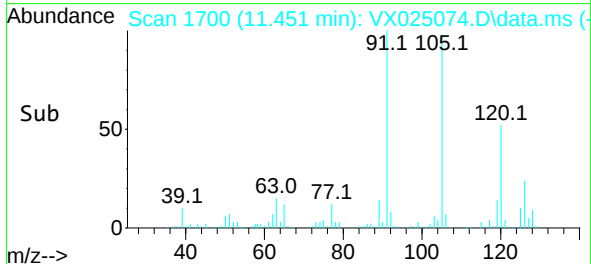
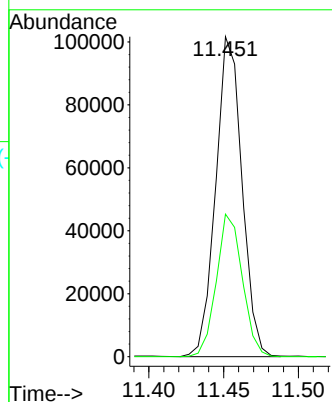
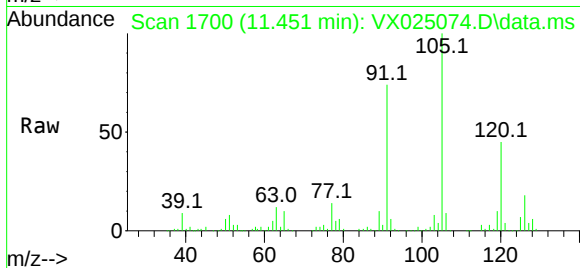
VX1104WBSD02

Tgt Ion:105 Resp: 124201

Ion Ratio Lower Upper

105 100

120 44.0 0.0 98.0



#77

t-1,4-Dichloro-2-butene

Concen: 21.309 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

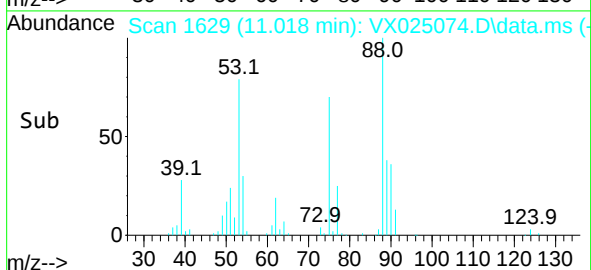
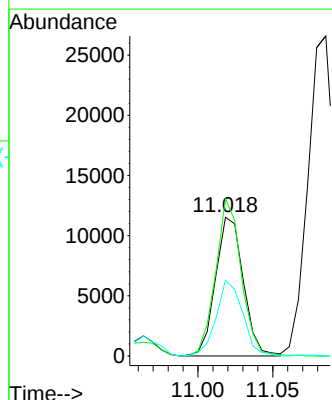
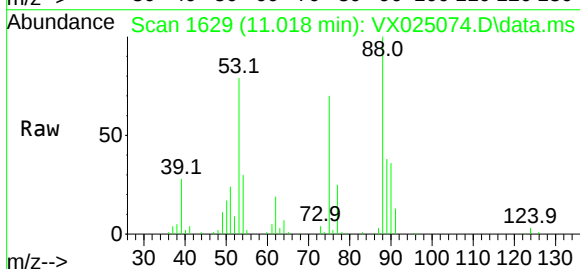
Tgt Ion: 75 Resp: 14915

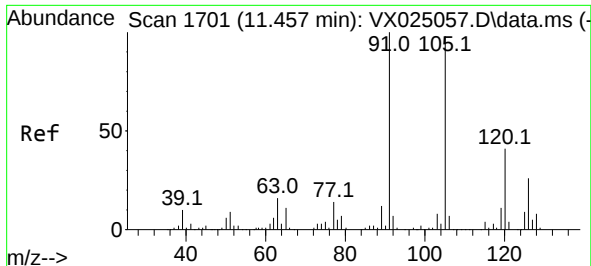
Ion Ratio Lower Upper

75 100

53 113.5 53.9 161.7

89 54.6 22.9 68.7

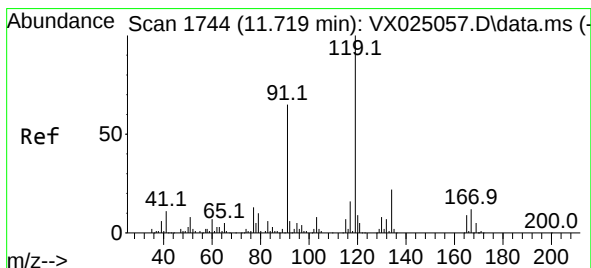
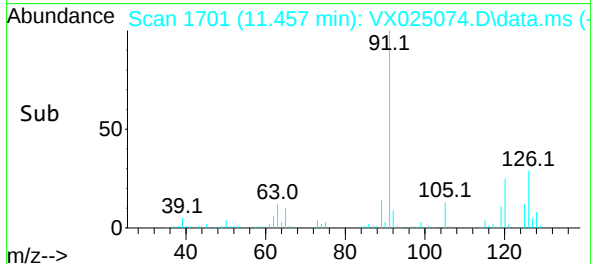
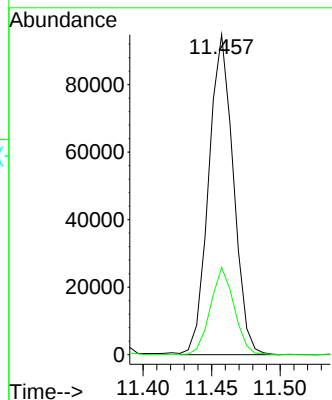
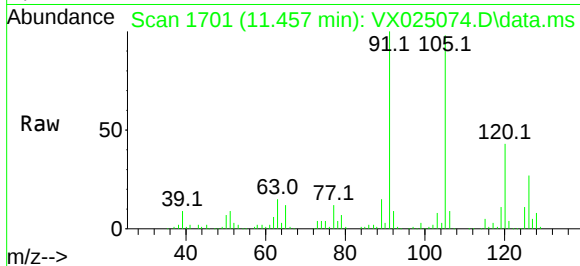




#78
4-Chlorotoluene
Concen: 21.546 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

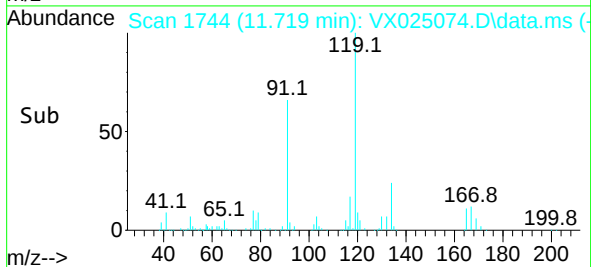
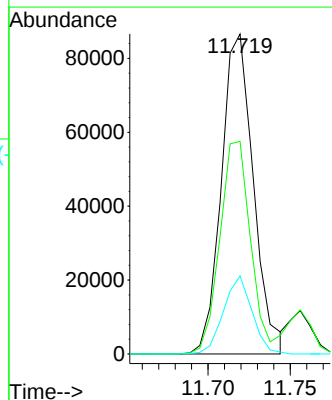
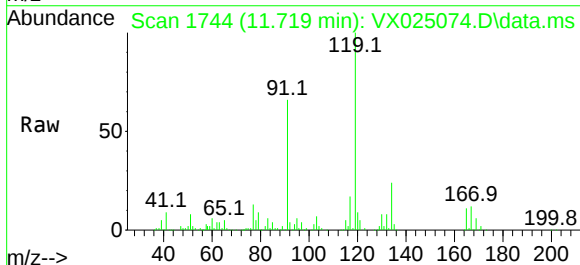
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

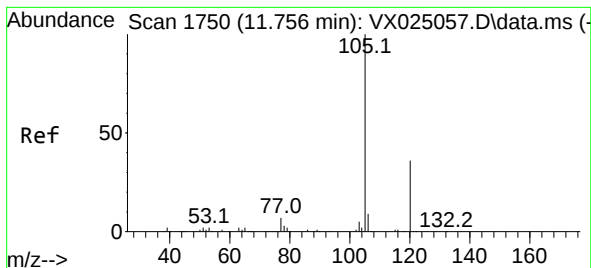
Tgt Ion: 91 Resp: 118830
Ion Ratio Lower Upper
91 100
126 26.1 0.0 59.6



#79
tert-butylbenzene
Concen: 21.966 ug/l
RT: 11.719 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 119 Resp: 117355
Ion Ratio Lower Upper
119 100
91 63.4 0.0 121.2
134 21.7 0.0 47.4





#80

1,2,4-Trimethylbenzene

Concen: 22.070 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

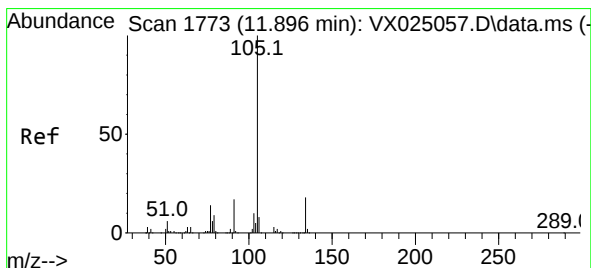
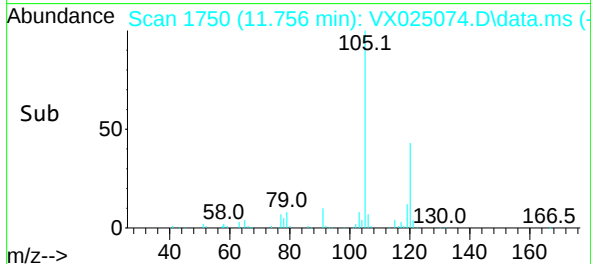
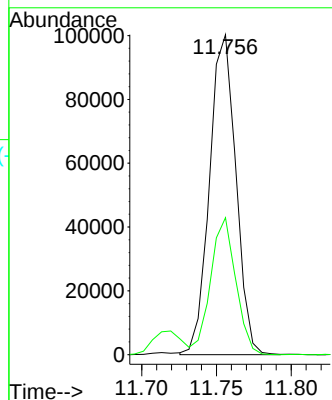
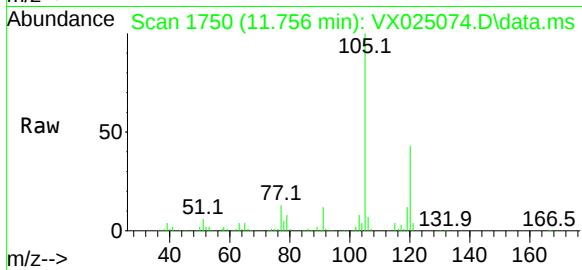
VX1104WBSD02

Tgt Ion:105 Resp: 123068

Ion Ratio Lower Upper

105 100

120 40.9 0.0 90.4



#81

sec-Butylbenzene

Concen: 22.696 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.006 min

Lab File: VX025074.D

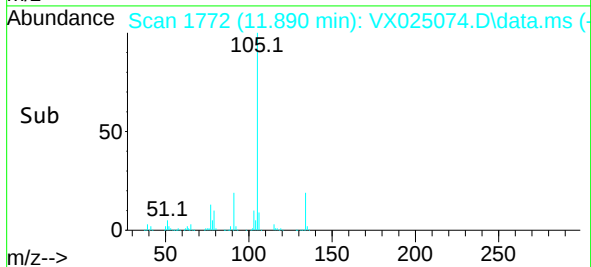
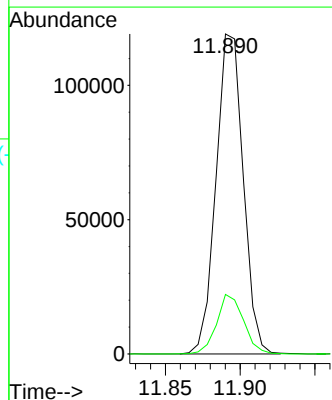
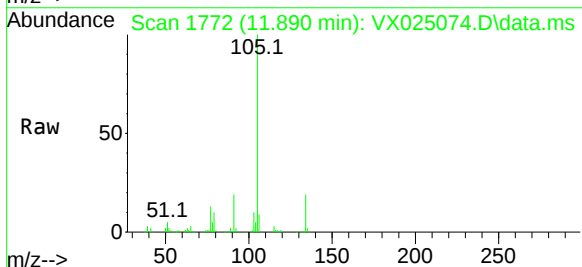
Acq: 04 Nov 2021 16:58

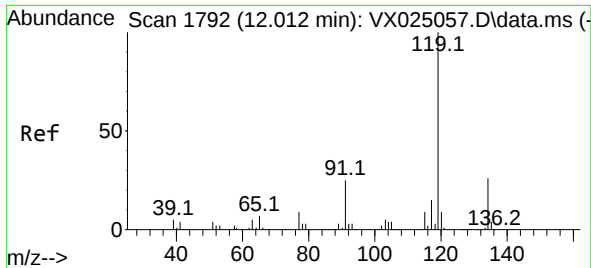
Tgt Ion:105 Resp: 150860

Ion Ratio Lower Upper

105 100

134 18.4 0.0 40.2

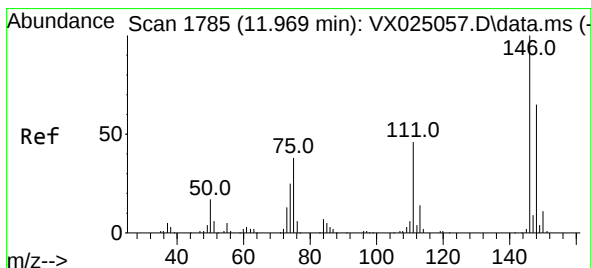
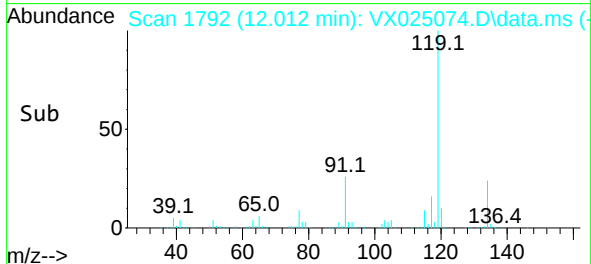
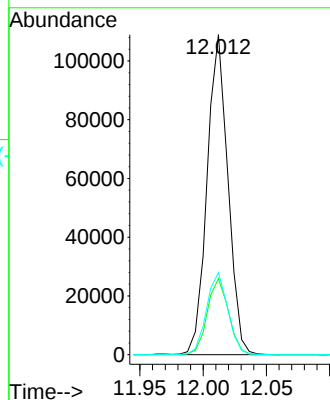
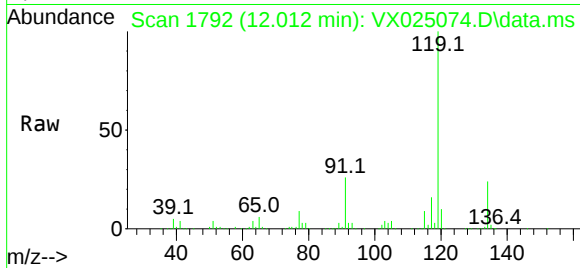




#82
p-Isopropyltoluene
Concen: 22.650 ug/l
RT: 12.012 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

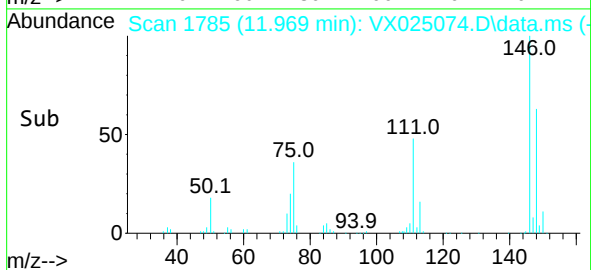
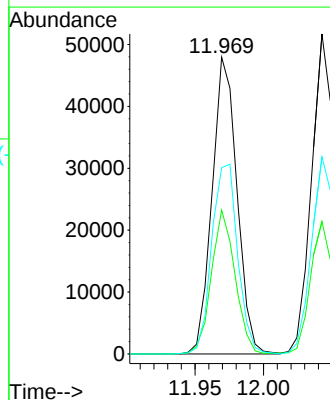
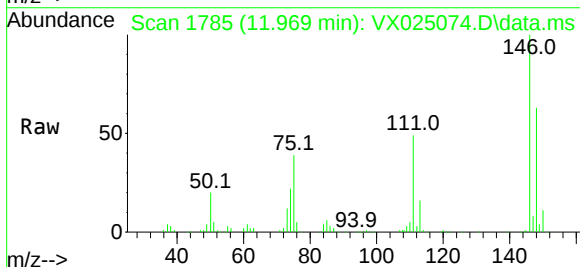
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

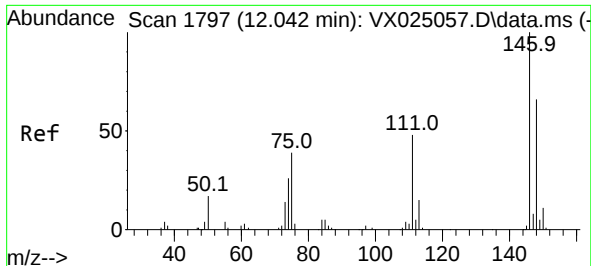
Tgt Ion:119 Resp: 124871
Ion Ratio Lower Upper
119 100
134 24.3 0.0 52.8
91 26.2 0.0 48.6



#83
1,3-Dichlorobenzene
Concen: 22.446 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:146 Resp: 60643
Ion Ratio Lower Upper
146 100
111 46.1 20.1 60.2
148 66.6 31.9 95.5

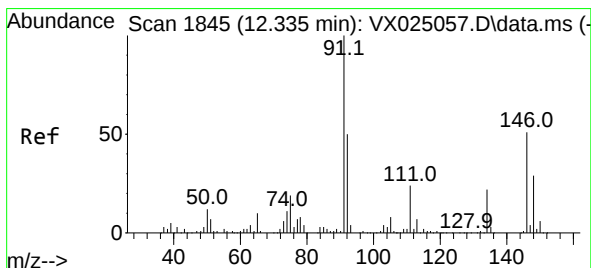
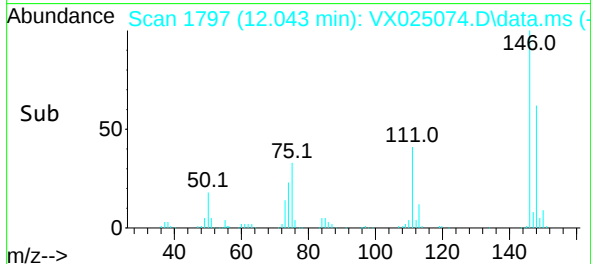
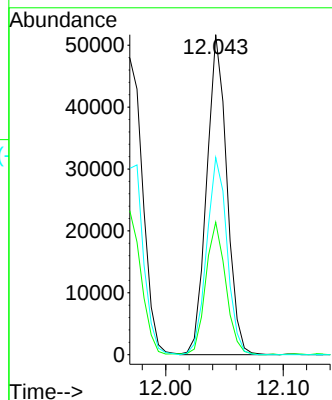
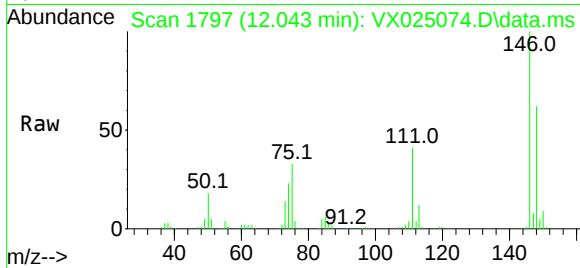




#84
1,4-Dichlorobenzene
Concen: 22.900 ug/l
RT: 12.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

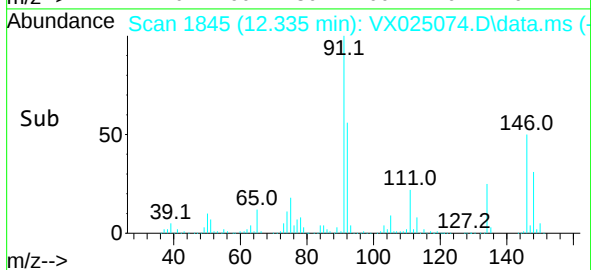
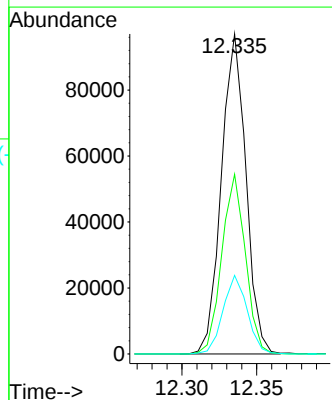
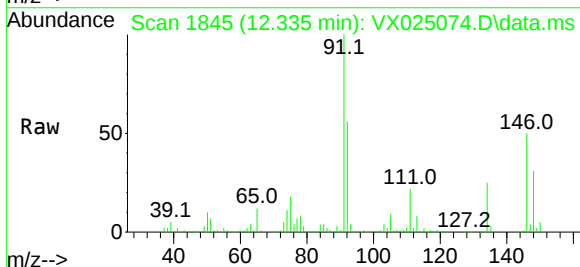
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

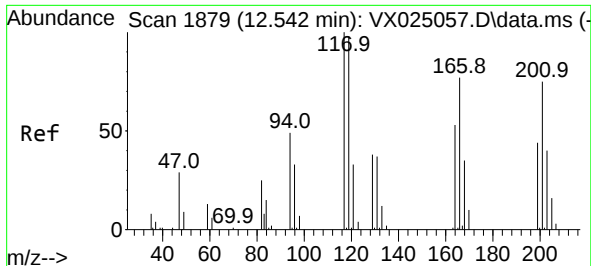
Tgt Ion:146 Resp: 61613
Ion Ratio Lower Upper
146 100
111 41.0 18.9 56.9
148 62.2 31.4 94.2



#85
n-Butylbenzene
Concen: 21.997 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion: 91 Resp: 110603
Ion Ratio Lower Upper
91 100
92 54.0 0.0 105.4
134 24.2 0.0 52.4

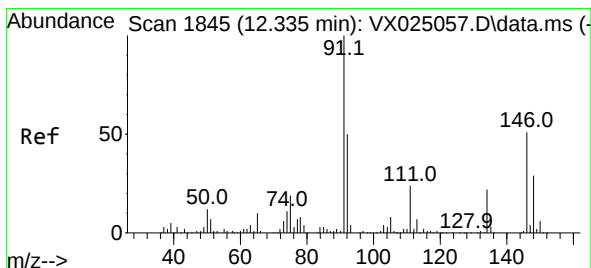
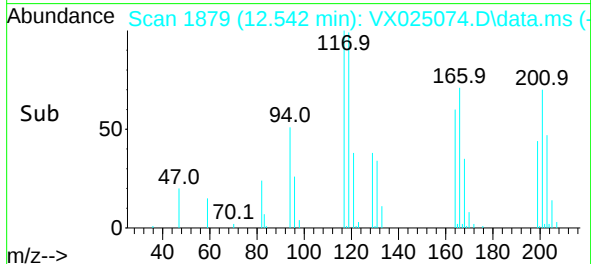
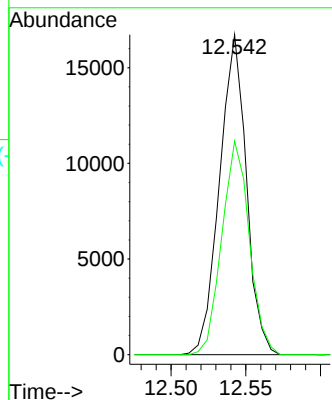
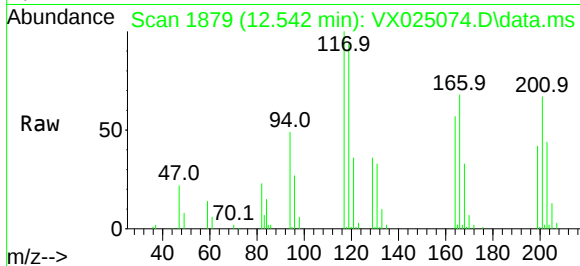




#86
Hexachloroethane
Concen: 21.204 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

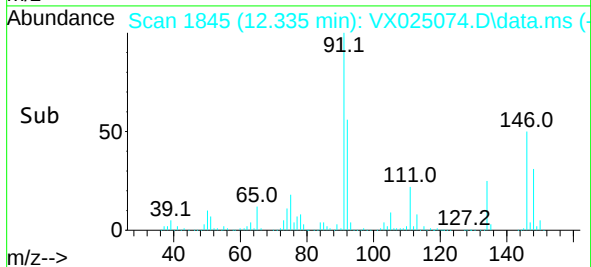
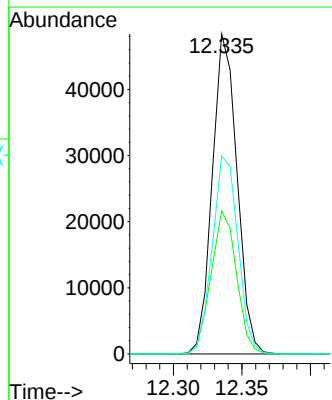
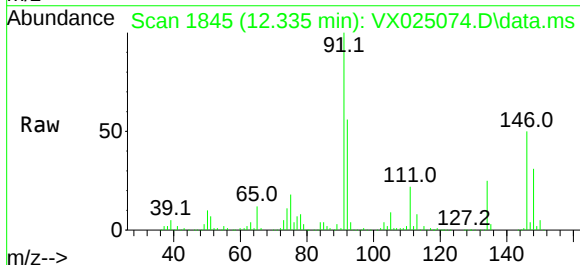
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

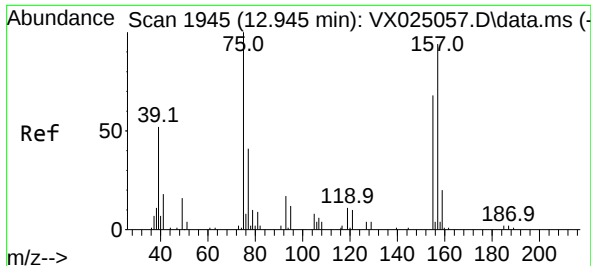
Tgt Ion:117 Resp: 20841
Ion Ratio Lower Upper
117 100
201 68.5 37.5 112.5



#87
1,2-Dichlorobenzene
Concen: 22.833 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

Tgt Ion:146 Resp: 60736
Ion Ratio Lower Upper
146 100
111 46.2 20.7 62.1
148 64.2 32.6 97.8





#88

1,2-Dibromo-3-Chloropropane

Concen: 20.559 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

Instrument :

MSVOA_X

ClientSampleId :

VX1104WBSD02

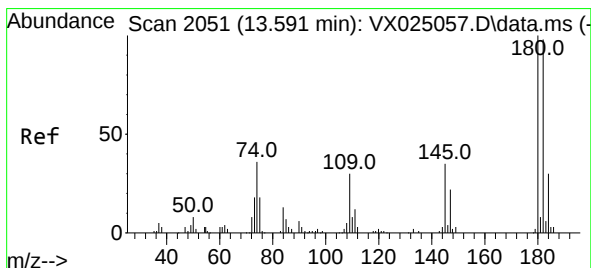
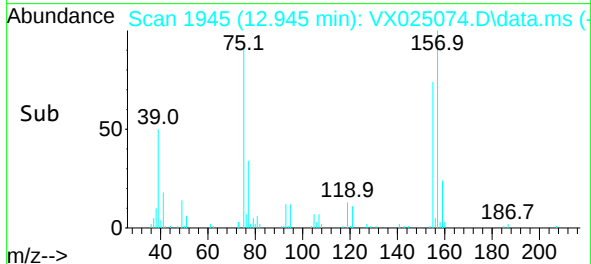
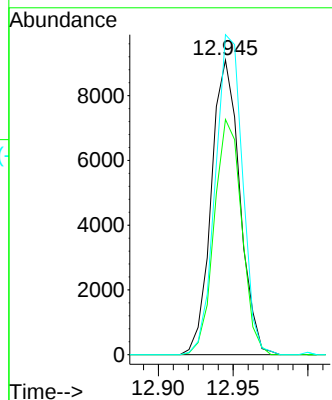
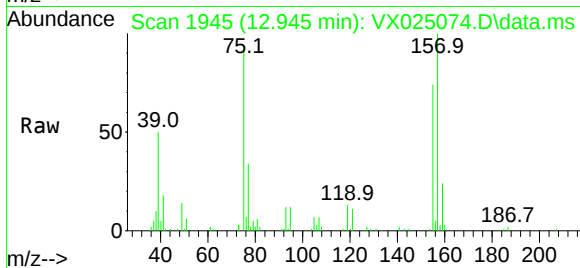
Tgt Ion: 75 Resp: 12069

Ion Ratio Lower Upper

75 100

155 76.7 67.4 101.2

157 103.5 85.8 128.8



#89

1,2,4-Trichlorobenzene

Concen: 22.718 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.000 min

Lab File: VX025074.D

Acq: 04 Nov 2021 16:58

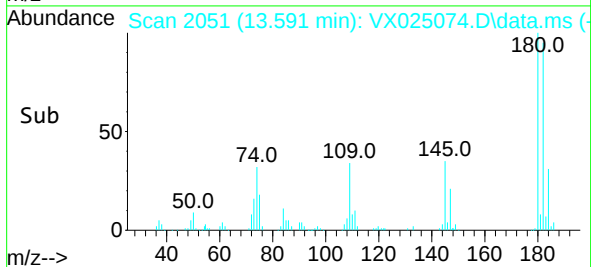
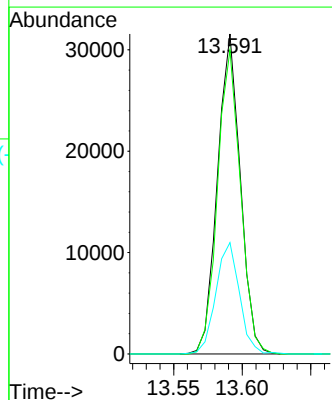
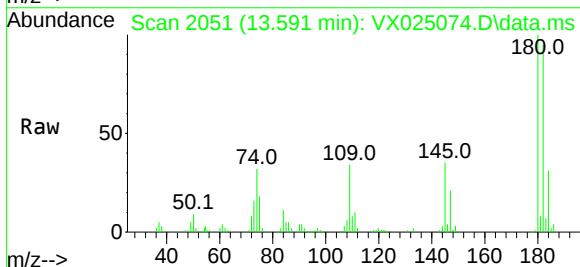
Tgt Ion: 180 Resp: 36607

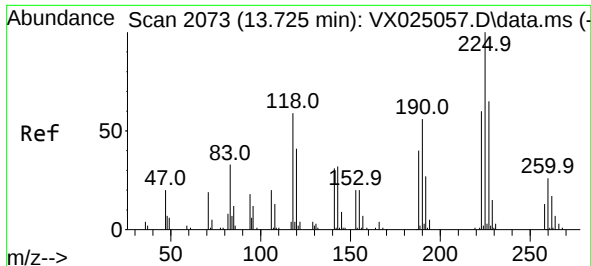
Ion Ratio Lower Upper

180 100

182 95.3 75.9 113.9

145 35.8 24.2 36.4

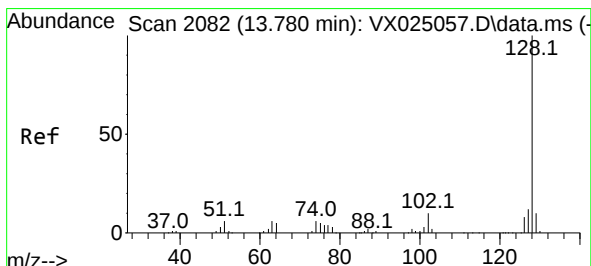
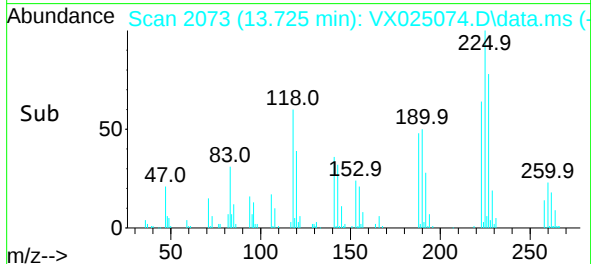
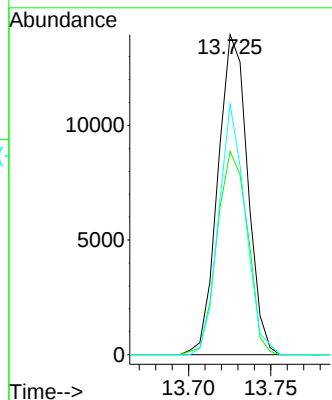
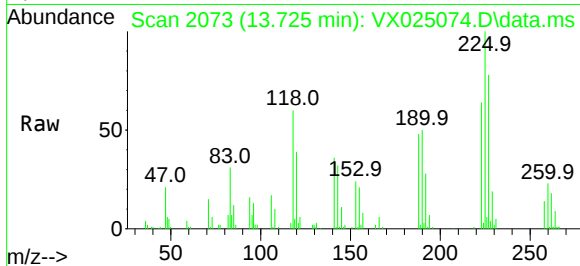




#90
Hexachlorobutadiene
Concen: 21.572 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

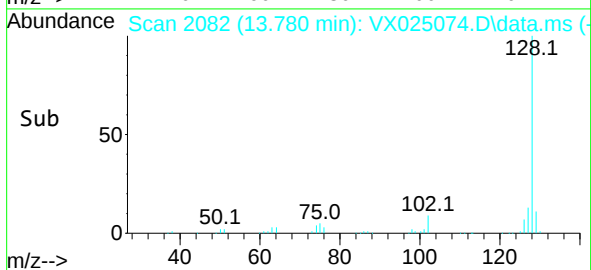
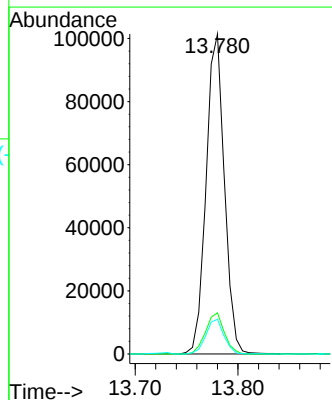
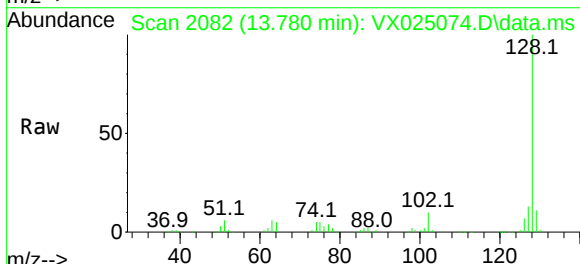
Instrument :
MSVOA_X
ClientSampleId :
VX1104WBSD02

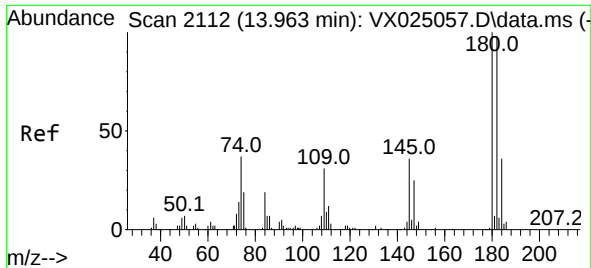
Tgt Ion:225 Resp: 17563
Ion Ratio Lower Upper
225 100
223 65.4 0.0 126.4
227 70.5 0.0 125.0



#91
Naphthalene
Concen: 22.807 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025074.D
Acq: 04 Nov 2021 16:58

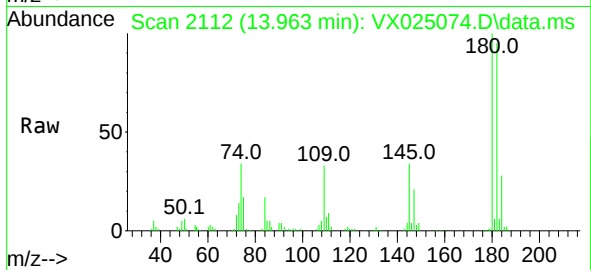
Tgt Ion:128 Resp: 125596
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.8 8.6 12.8





#92
 1,2,3-Trichlorobenzene
 Concen: 23.726 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VX025074.D
 Acq: 04 Nov 2021 16:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1104WBSD02



Tgt Ion:	180	Resp:	38995
Ion Ratio	Lower	Upper	
180	100		
182	91.9	0.0	193.4
145	34.8	0.0	64.4

