

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120621\
 Data File : VX025555.D
 Acq On : 06 Dec 2021 17:40
 Operator : JC/MD
 Sample : PB141182ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141182ZHE#05

Quant Time: Dec 07 06:03:08 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

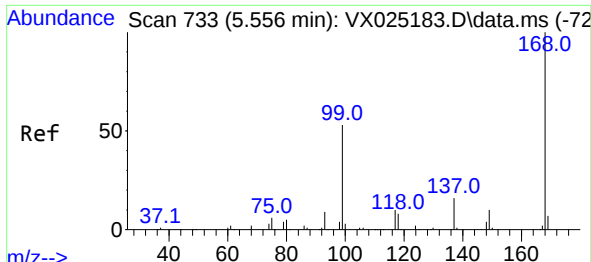
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	98161	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	160388	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	147386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	56799	54.895	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.800%			
35) Dibromofluoromethane	5.391	113	48959	49.751	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.500%			
50) Toluene-d8	8.653	98	187309	50.624	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.240%			
62) 4-Bromofluorobenzene	11.085	95	65520	46.808	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.620%			
Target Compounds						Qvalue
5) Bromomethane	1.618	94	363	0.730	ug/l #	73
6) Chloroethane	1.746	64	188	0.236	ug/l #	43
8) Diethyl Ether	2.136	74	427	0.603	ug/l	72
10) Methyl Iodide	2.465	142	404	0.354	ug/l #	72
11) Tert butyl alcohol	2.959	59	892	Below Cal	#	72
16) Acetone	2.386	43	10498	18.260	ug/l	94
18) Methyl Acetate	2.709	43	429	0.234	ug/l #	64
20) Methylene Chloride	2.794	84	3236	2.994	ug/l	94
25) 2-Butanone	4.574	43	2685	3.230	ug/l #	89
29) Tetrahydrofuran	5.026	42	314	0.610	ug/l #	38
31) Cyclohexane	5.562	56	1865	1.166	ug/l #	13
36) 1,1-Dichloropropene	5.562	75	6845	4.892	ug/l #	50
37) Ethyl Acetate	4.574	43	2685	1.686	ug/l #	68
38) Carbon Tetrachloride	5.556	117	9498	6.163	ug/l #	16
41) Methacrylonitrile	5.026	41	221	0.250	ug/l #	23
43) Isopropyl Acetate	6.349	43	8351	3.152	ug/l	98
44) Trichloroethene	7.135	130	993	0.806	ug/l	83
48) Methyl methacrylate	7.806	41	45599	36.670	ug/l #	45
51) 4-Methyl-2-Pentanone	8.549	43	30253	18.209	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	14712	8.217	ug/l #	60
57) 1,3-Dichloropropane	9.482	76	9117	5.001	ug/l #	43
59) 2-Hexanone	9.488	43	116656	89.063	ug/l #	53
74) N-amyl acetate	10.775	43	506	0.249	ug/l #	47
76) 1,2,3-Trichloropropane	11.085	75	31995	23.694	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.457	105	1436	0.364	ug/l	86
81) trans-1,4-Dichloro-2-b...	11.085	75	31995	59.689	ug/l #	9
95) Naphthalene	13.786	128	336	Below Cal	#	77

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

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Response via : Initial Calibration

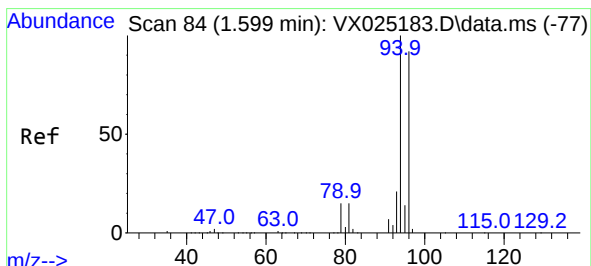
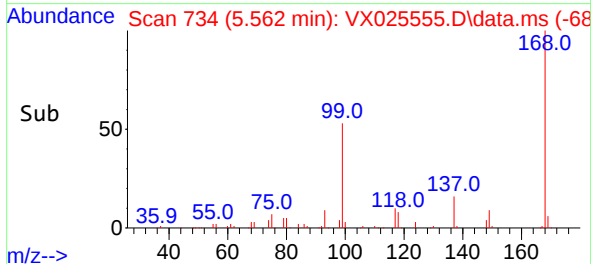
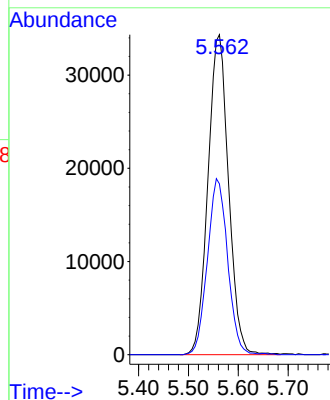
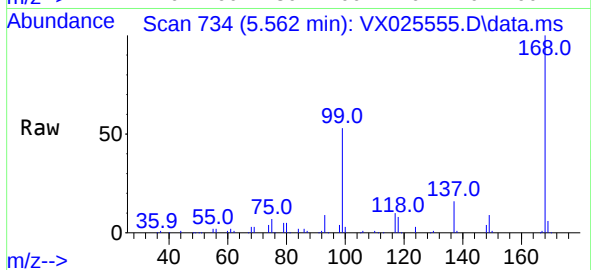




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

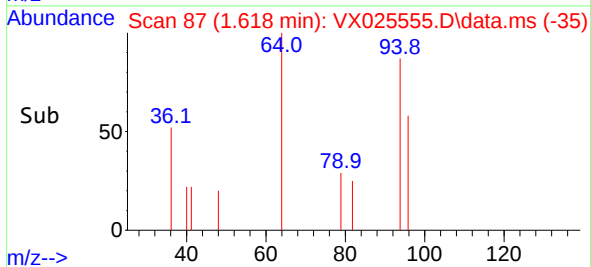
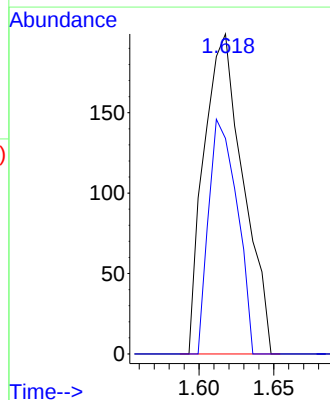
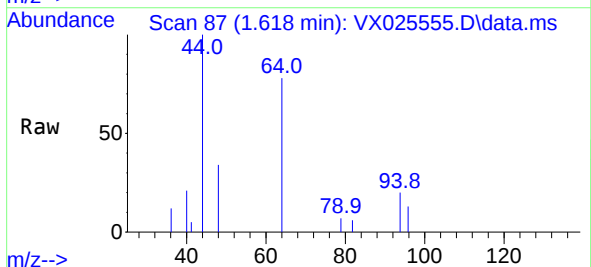
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

Tgt Ion:168 Resp: 98161
Ion Ratio Lower Upper
168 100
99 53.4 46.4 69.6

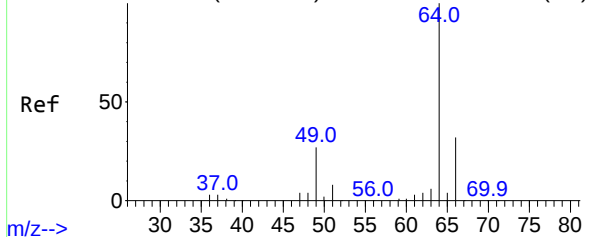


#5
Bromomethane
Concen: 0.730 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 67.3 74.8 112.2#



Abundance Scan 97 (1.679 min): VX025183.D\data.ms (-88)



#6

Chloroethane

Concen: 0.236 ug/l

RT: 1.746 min Scan# 108

Delta R.T. 0.067 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#05

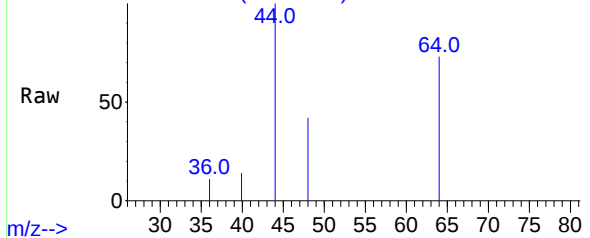
Tgt Ion: 64 Resp: 188

Ion Ratio Lower Upper

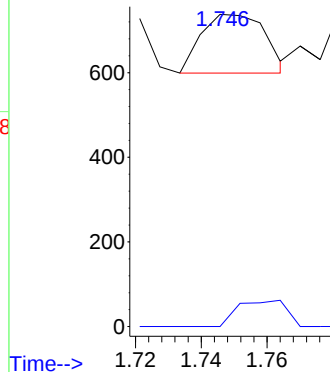
64 100

66 0.0 25.6 38.4#

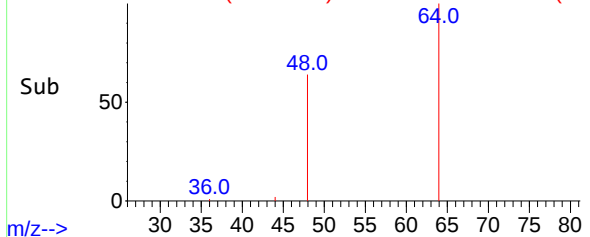
Abundance Scan 108 (1.746 min): VX025555.D\data.ms



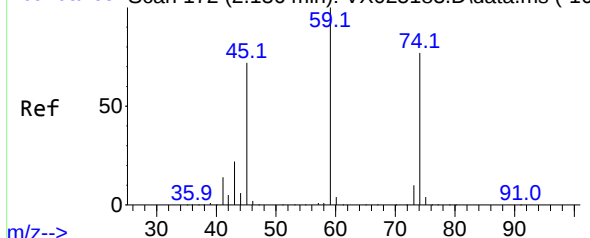
Abundance



Abundance Scan 108 (1.746 min): VX025555.D\data.ms (-48)



Abundance Scan 172 (2.136 min): VX025183.D\data.ms (-16)



#8

Diethyl Ether

Concen: 0.603 ug/l

RT: 2.136 min Scan# 172

Delta R.T. -0.000 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

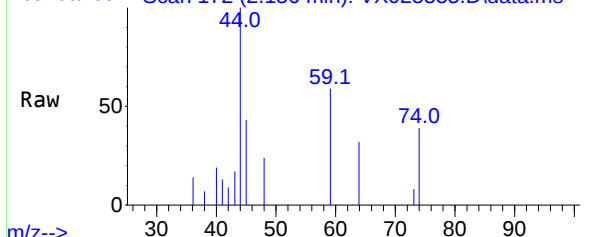
Tgt Ion: 74 Resp: 427

Ion Ratio Lower Upper

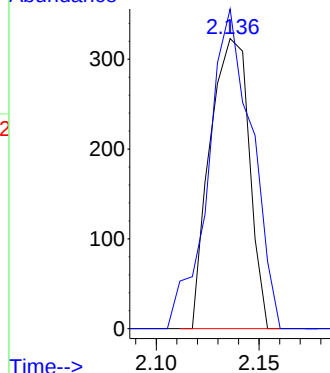
74 100

45 122.7 47.6 142.9

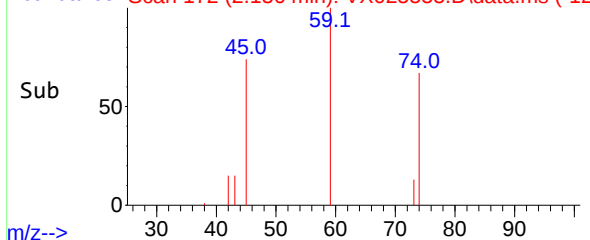
Abundance Scan 172 (2.136 min): VX025555.D\data.ms

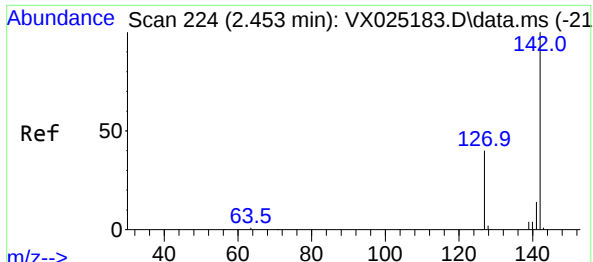


Abundance



Abundance Scan 172 (2.136 min): VX025555.D\data.ms (-12)

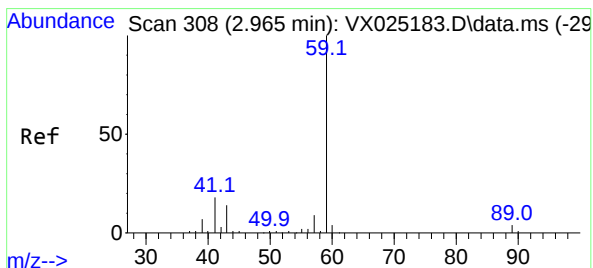
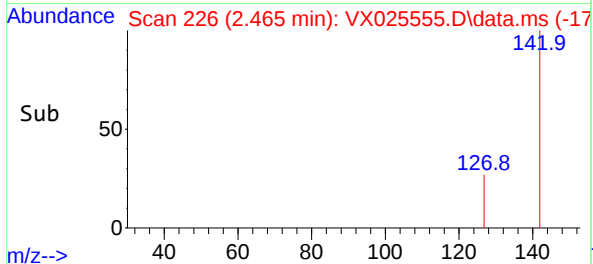
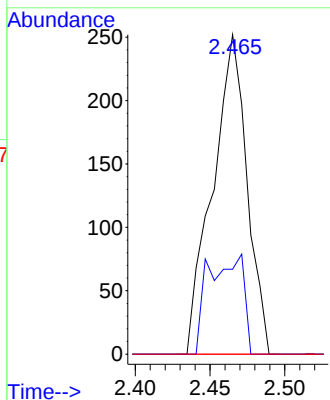
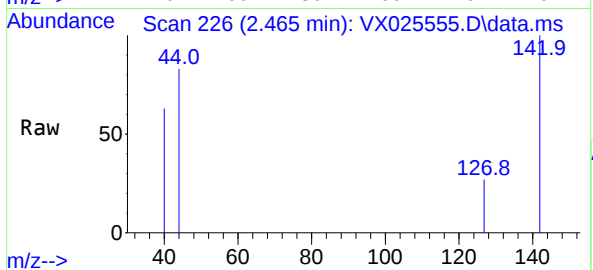




#10
Methyl Iodide
Concen: 0.354 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

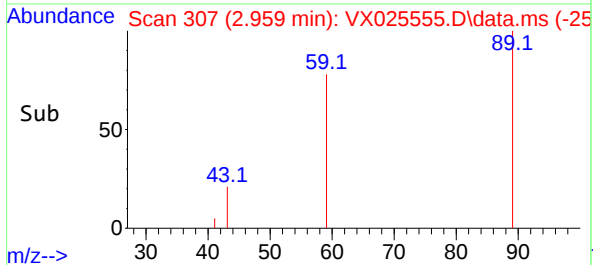
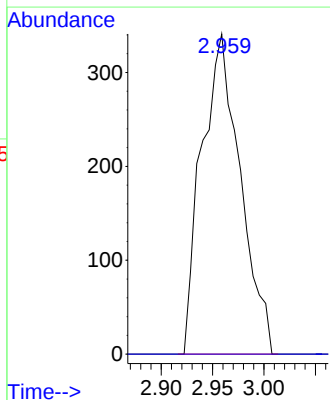
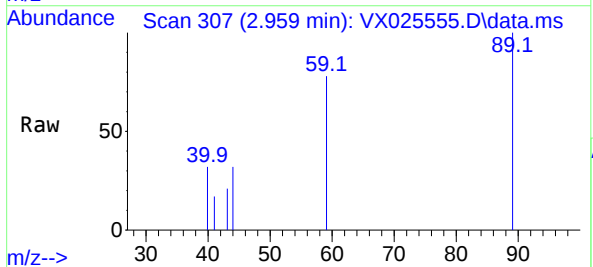
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

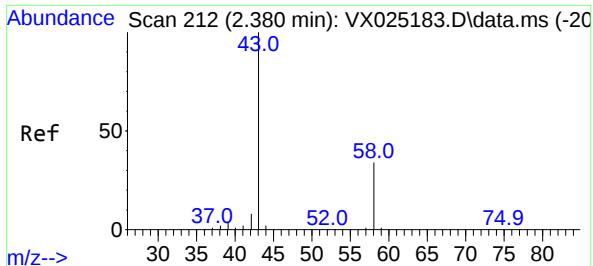
Tgt Ion:142 Resp: 404
Ion Ratio Lower Upper
142 100
127 31.4 38.9 58.3#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 59 Resp: 892
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

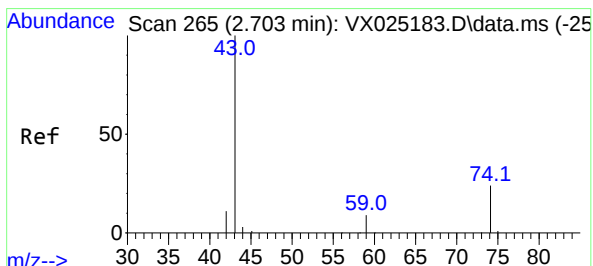
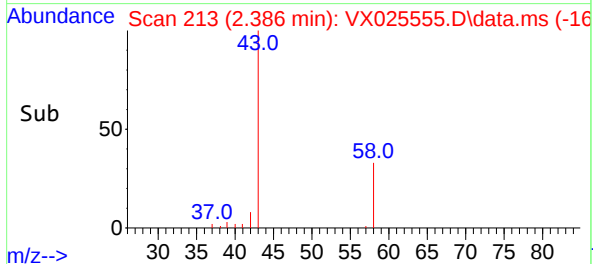
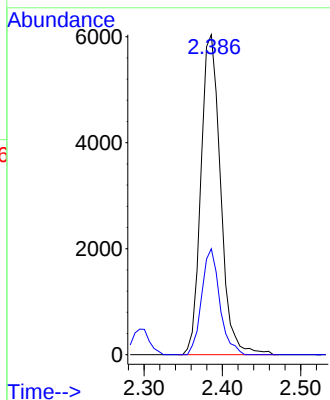
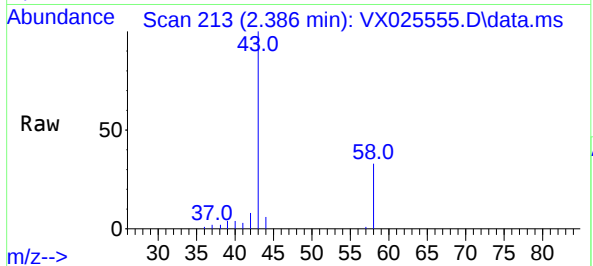




#16
Acetone
Concen: 18.260 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

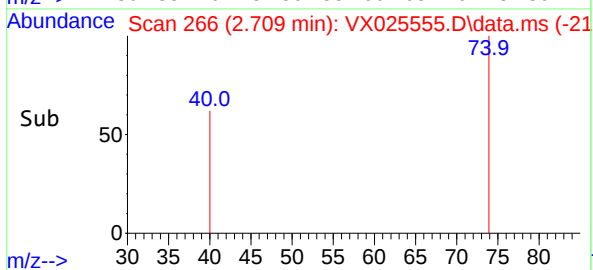
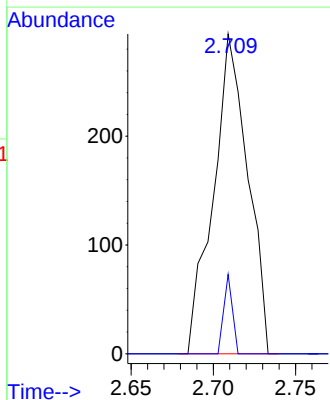
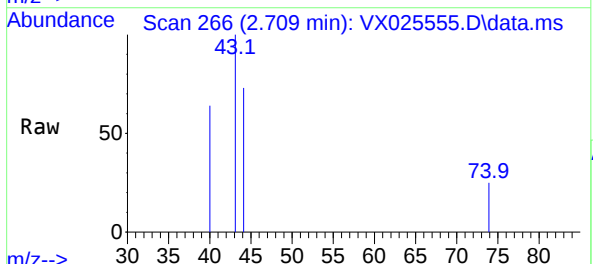
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

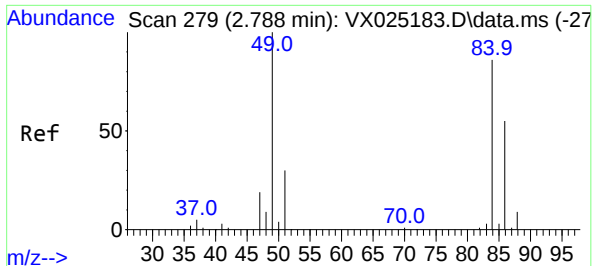
Tgt Ion: 43 Resp: 10498
Ion Ratio Lower Upper
43 100
58 33.1 24.0 36.0



#18
Methyl Acetate
Concen: 0.234 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
74 6.3 19.0 28.6#





#20

Methylene Chloride

Concen: 2.994 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX025555.D

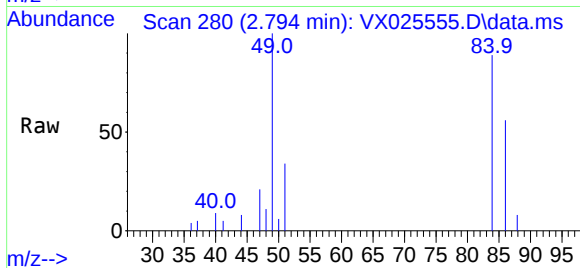
Acq: 06 Dec 2021 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#05



Tgt Ion: 84 Resp: 3236

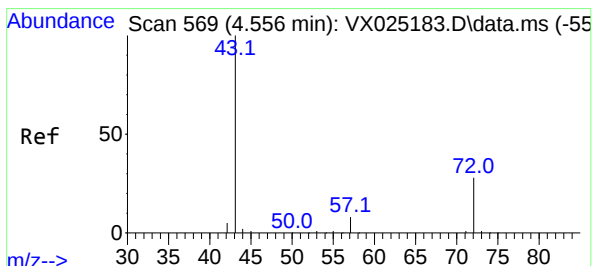
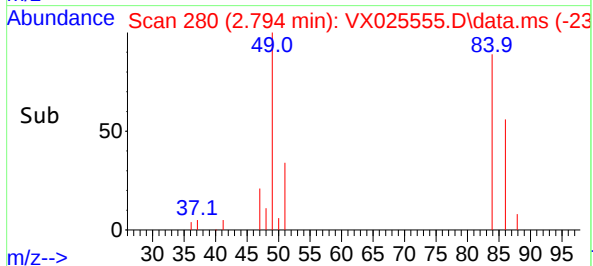
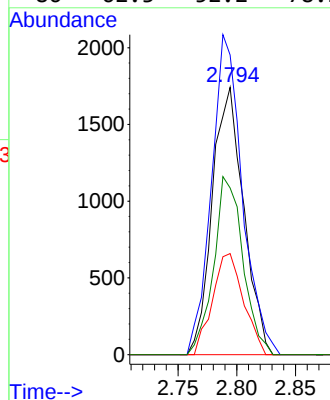
Ion Ratio Lower Upper

84 100

49 112.1 98.2 147.2

51 37.8 30.2 45.4

86 62.3 52.2 78.2



#25

2-Butanone

Concen: 3.230 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX025555.D

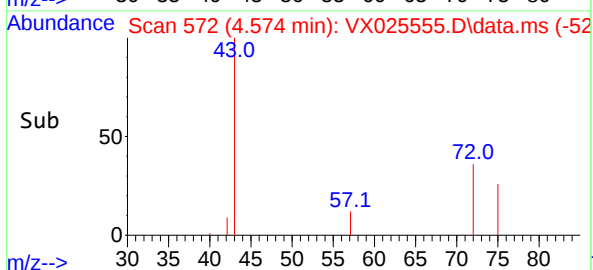
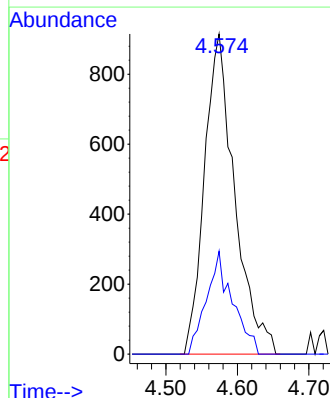
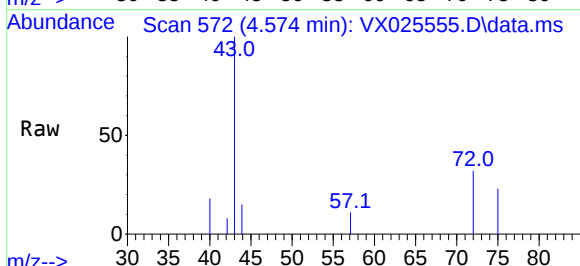
Acq: 06 Dec 2021 17:40

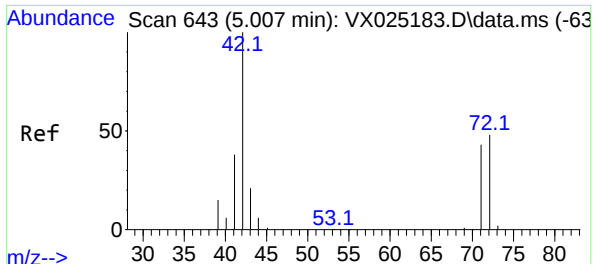
Tgt Ion: 43 Resp: 2685

Ion Ratio Lower Upper

43 100

72 32.1 21.2 31.8#





#29

Tetrahydrofuran

Concen: 0.610 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

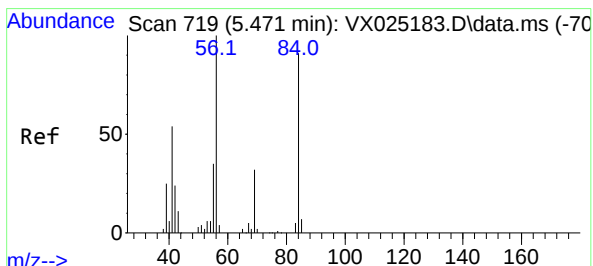
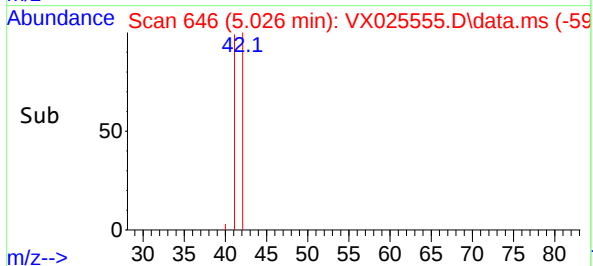
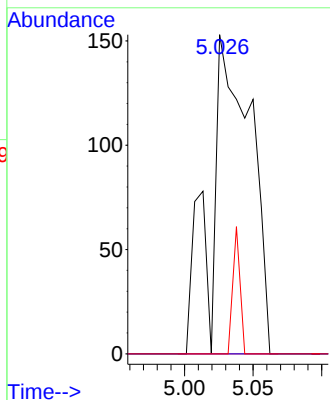
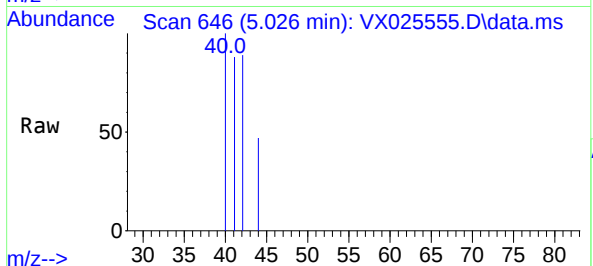
Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#05

Tgt Ion: 42	Resp: 314
Ion Ratio	Lower Upper
42	100
72	0.0 36.1 54.1#
71	7.0 33.7 50.5#



#31

Cyclohexane

Concen: 1.166 ug/l

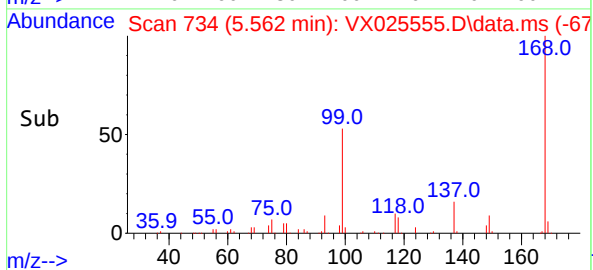
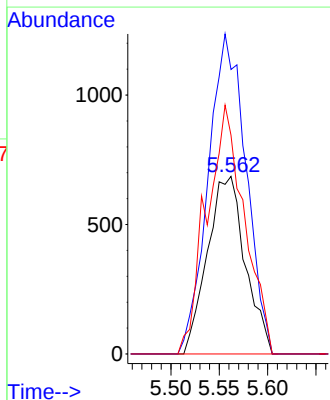
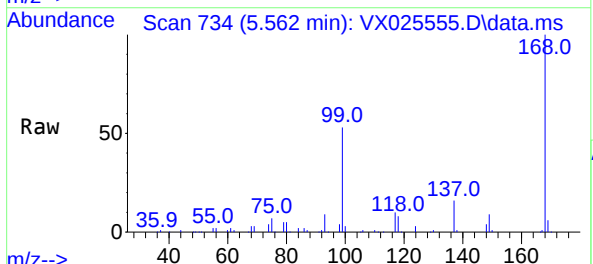
RT: 5.562 min Scan# 734

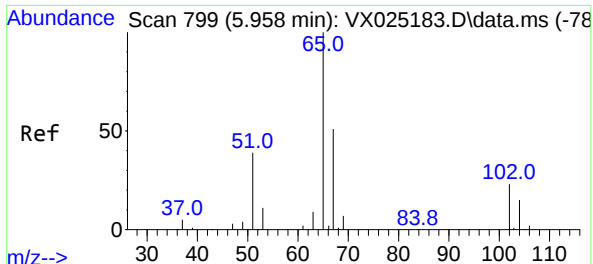
Delta R.T. 0.091 min

Lab File: VX025555.D

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Tgt Ion: 56	Resp: 1865
Ion Ratio	Lower Upper
56	100
69	160.2 24.2 36.2#
84	123.2 71.5 107.3#

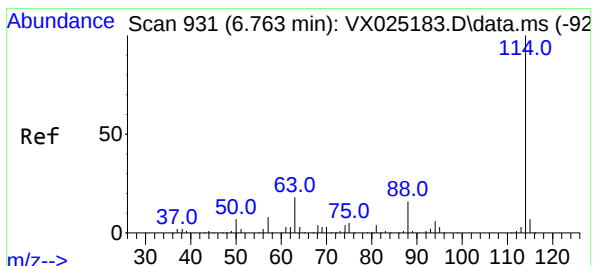
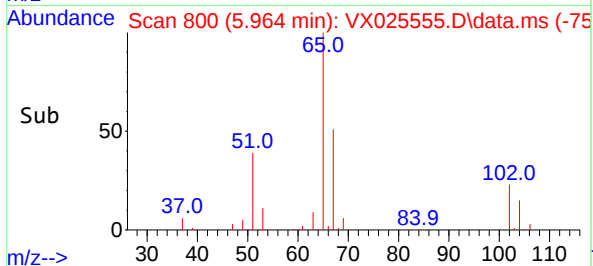
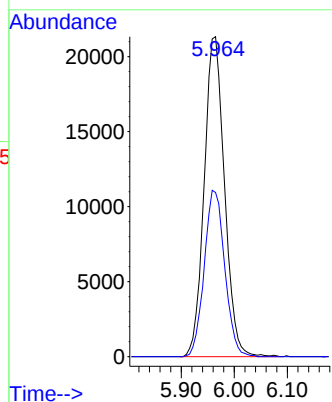
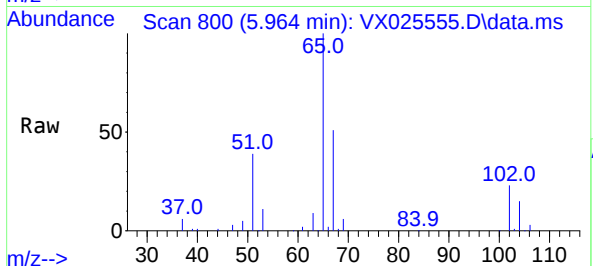




#33
1,2-Dichloroethane-d4
Concen: 54.895 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

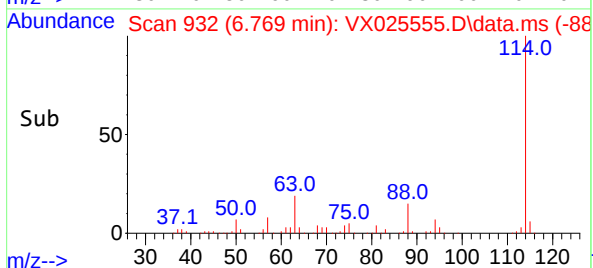
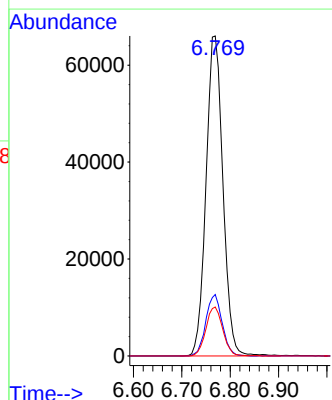
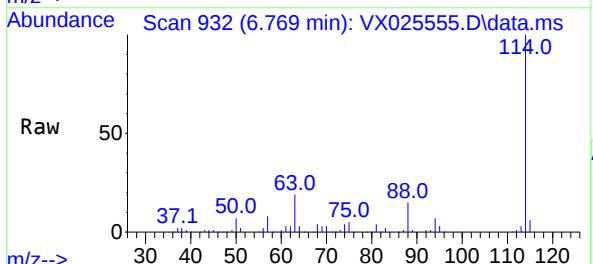
Instrument :
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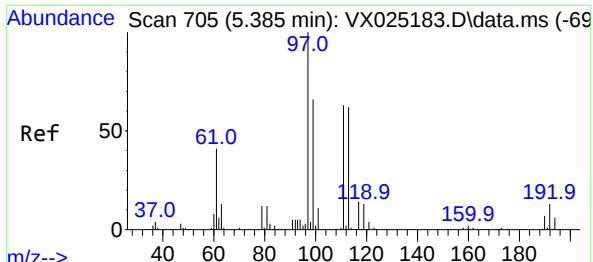
Tgt Ion: 65 Resp: 56799
Ion Ratio Lower Upper
65 100
67 52.4 0.0 101.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 114 Resp: 160388
Ion Ratio Lower Upper
114 100
63 19.2 0.0 41.0
88 15.3 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.751 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#05

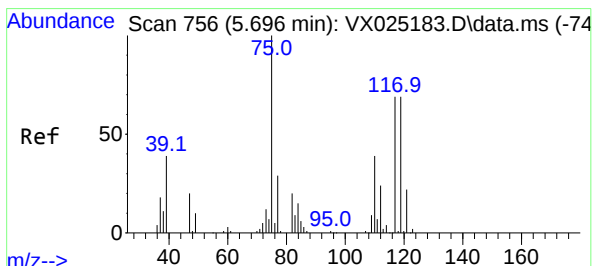
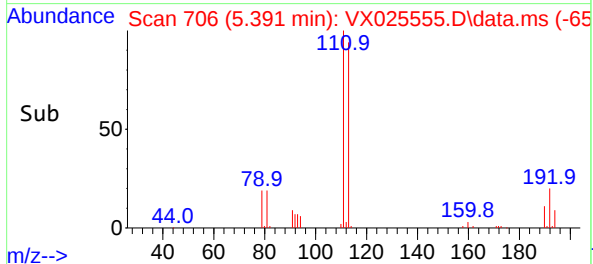
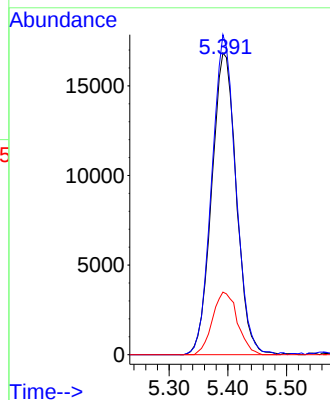
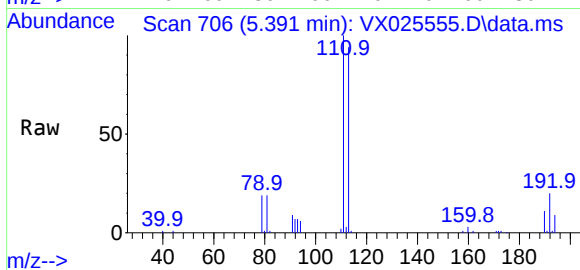
Tgt Ion:113 Resp: 48959

Ion Ratio Lower Upper

113 100

111 103.7 82.1 123.1

192 21.0 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.892 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

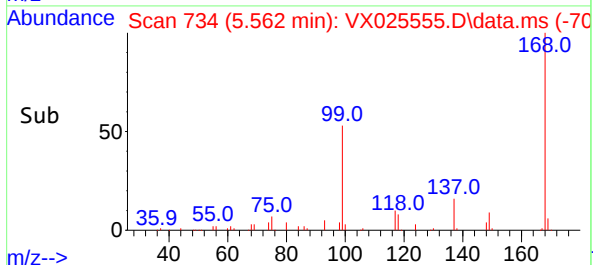
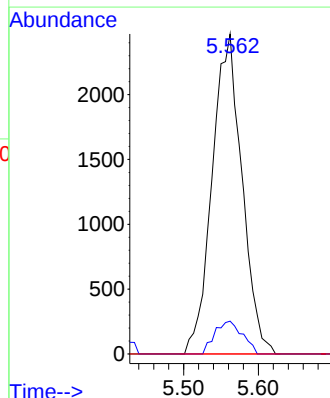
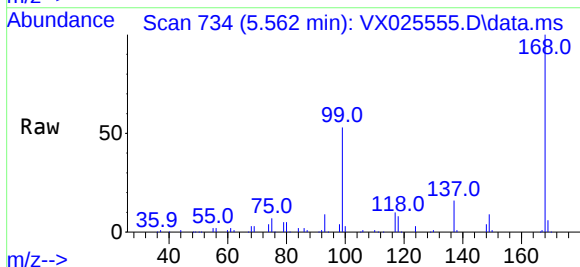
Tgt Ion: 75 Resp: 6845

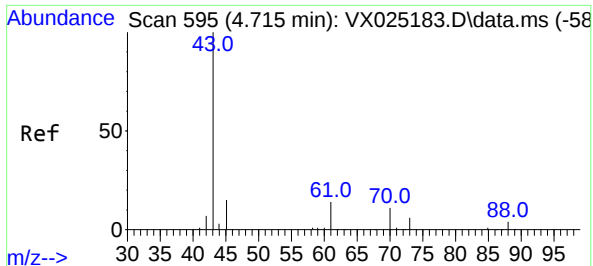
Ion Ratio Lower Upper

75 100

110 9.5 18.1 54.3#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.686 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.141 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

Instrument :

MSVOA_X

ClientSampleId :

PB141182ZHE#05

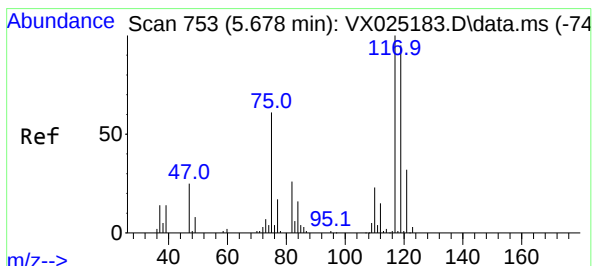
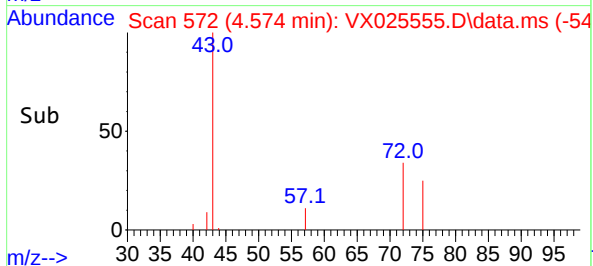
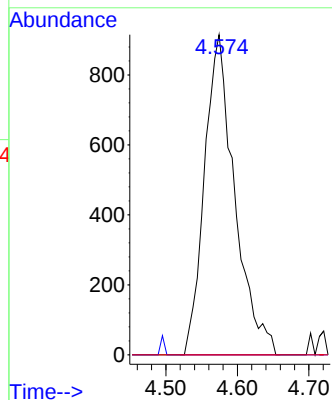
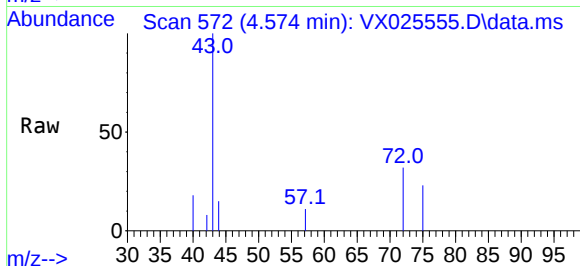
Tgt Ion: 43 Resp: 2685

Ion Ratio Lower Upper

43 100

61 0.0 11.4 17.0#

70 0.0 8.6 12.8#



#38

Carbon Tetrachloride

Concen: 6.163 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX025555.D

Acq: 06 Dec 2021 17:40

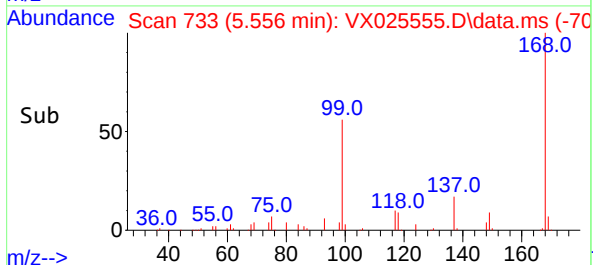
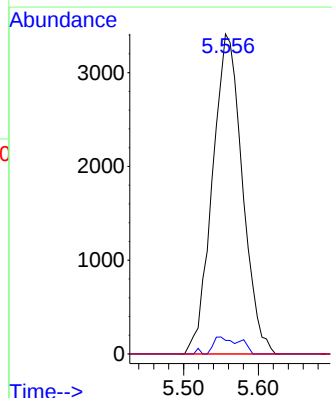
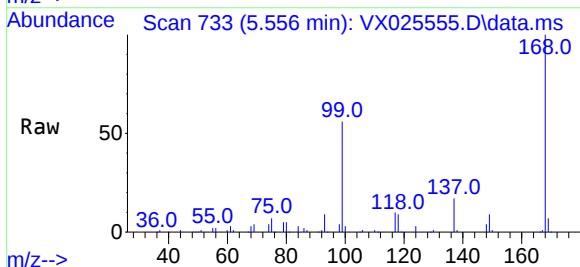
Tgt Ion: 117 Resp: 9498

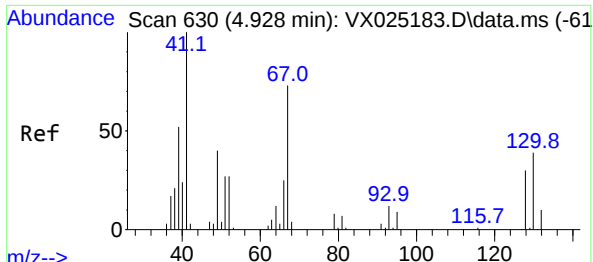
Ion Ratio Lower Upper

117 100

119 4.3 75.6 113.4#

121 0.0 23.7 35.5#

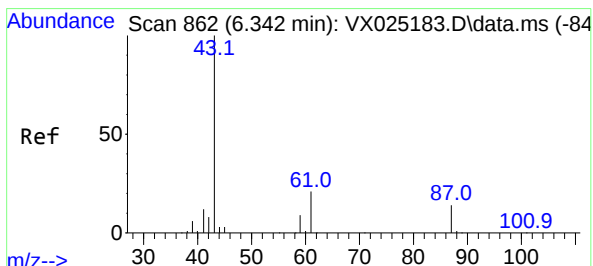
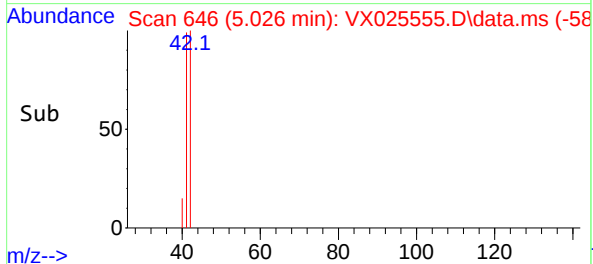
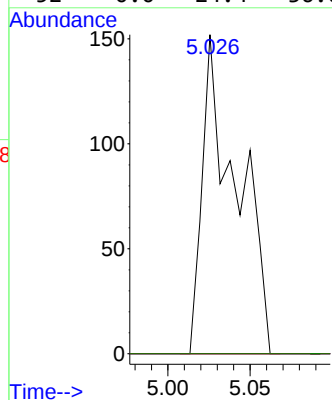
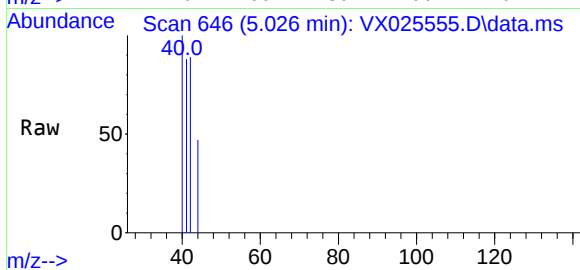




#41
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.098 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

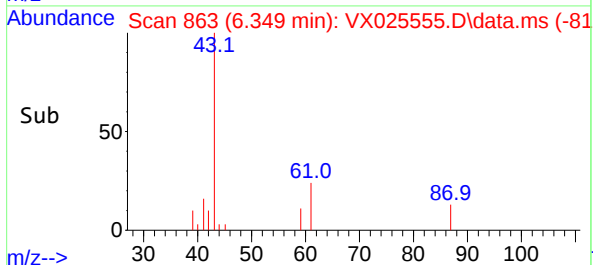
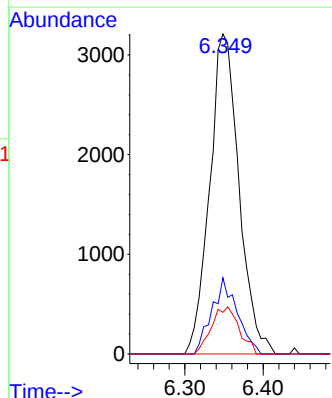
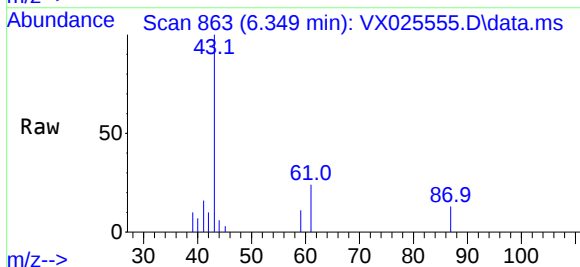
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

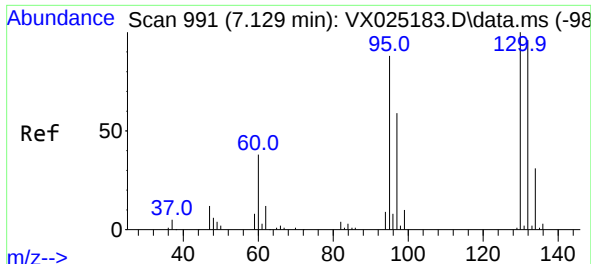
Tgt Ion:	41	Resp:	221
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	56.7	85.1#
52	0.0	24.4	36.6#



#43
Isopropyl Acetate
Concen: 3.152 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.007 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion:	43	Resp:	8351
Ion	Ratio	Lower	Upper
43	100		
61	20.7	15.3	22.9
87	13.9	10.9	16.3

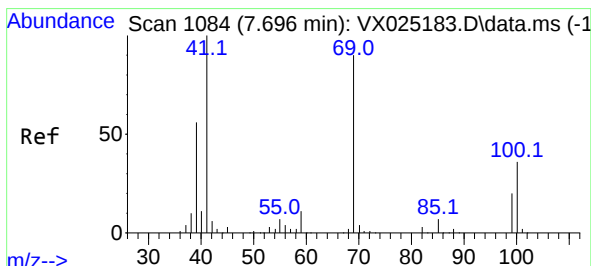
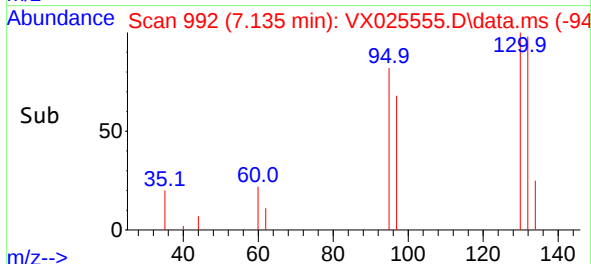
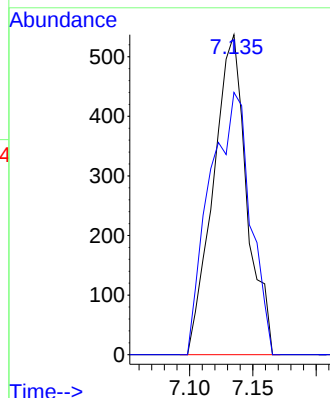
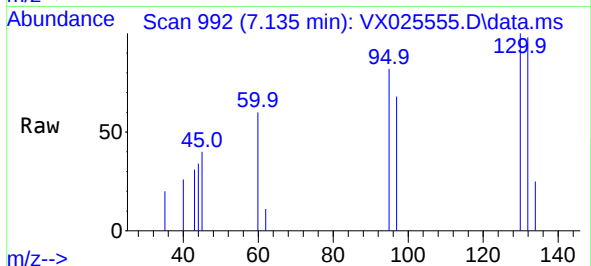




#44
Trichloroethene
Concen: 0.806 ug/l
RT: 7.135 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

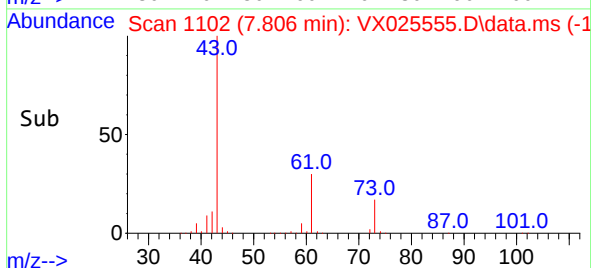
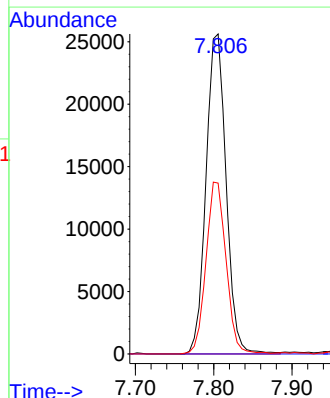
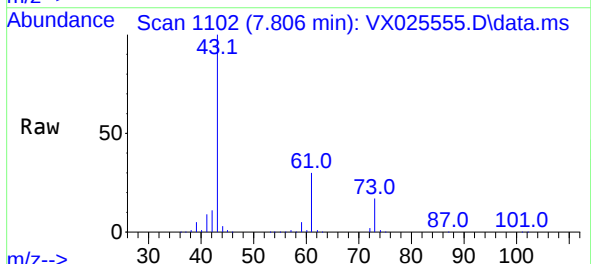
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

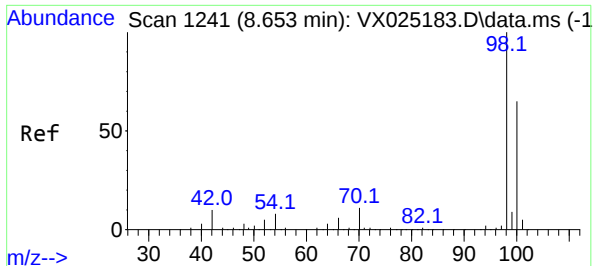
Tgt Ion:130 Resp: 993
Ion Ratio Lower Upper
130 100
95 81.9 0.0 196.8



#48
Methyl methacrylate
Concen: 36.670 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.110 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 41 Resp: 45599
Ion Ratio Lower Upper
41 100
69 0.0 64.5 96.7#
39 53.7 46.9 70.3

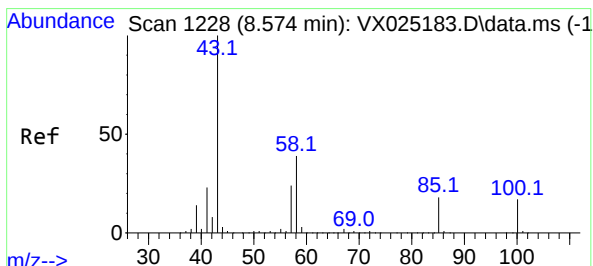
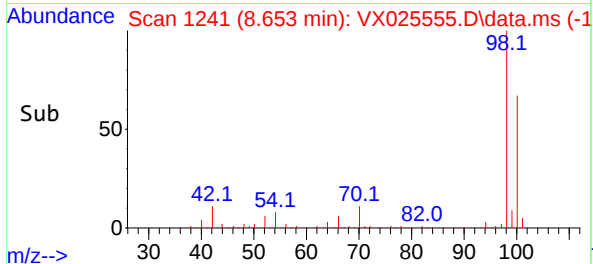
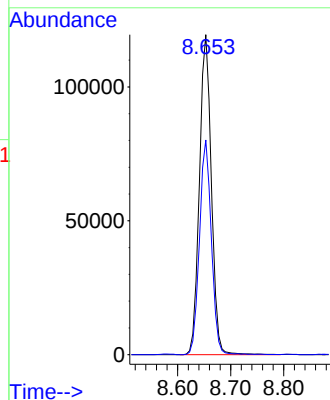
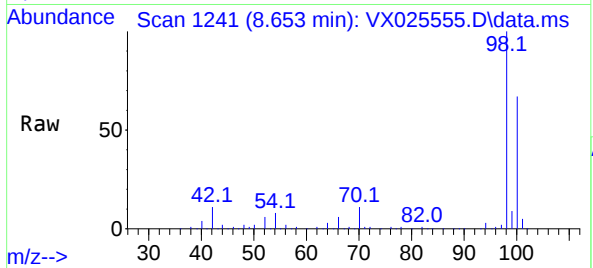




#50
Toluene-d8
Concen: 50.624 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

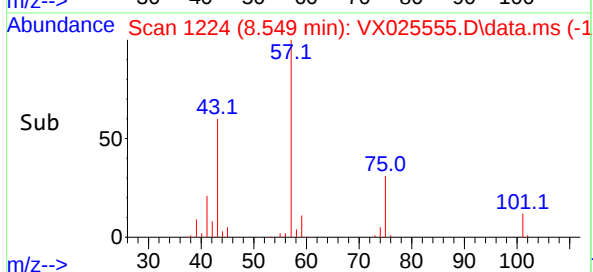
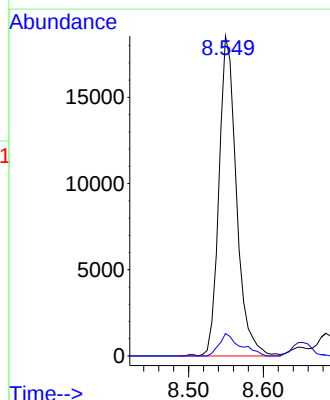
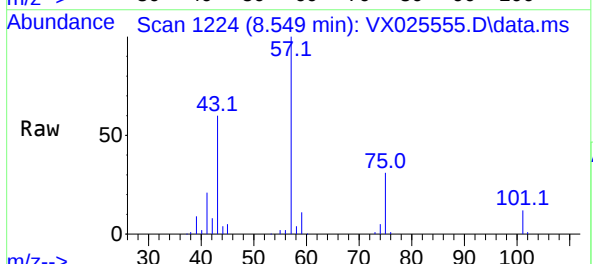
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

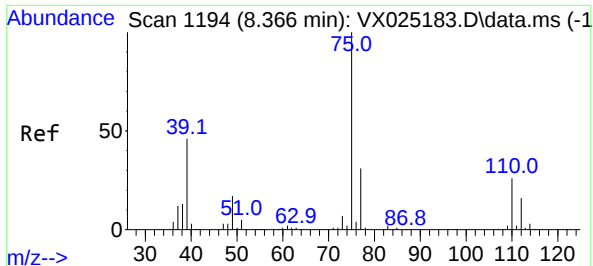
Tgt Ion: 98 Resp: 187309
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 18.209 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 43 Resp: 30253
Ion Ratio Lower Upper
43 100
58 8.4 30.9 46.3#

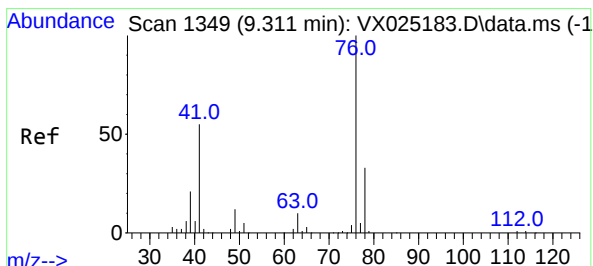
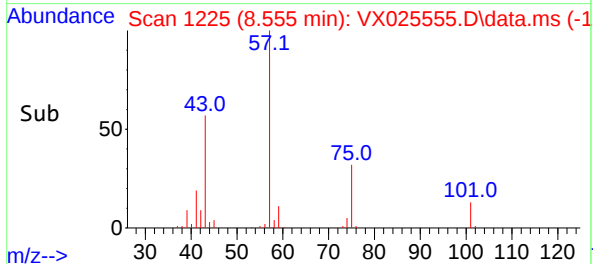
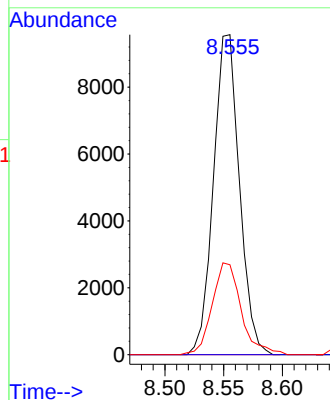
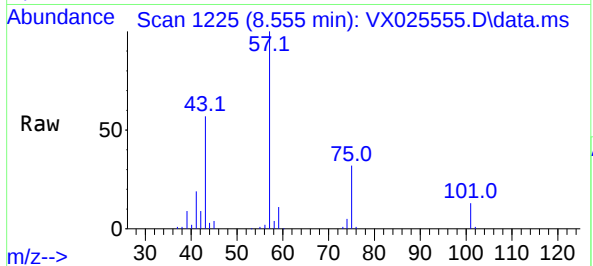




#54
cis-1,3-Dichloropropene
Concen: 8.217 ug/l
RT: 8.555 min Scan# 1194
Delta R.T. 0.189 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

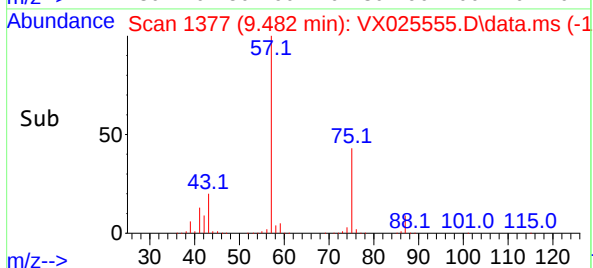
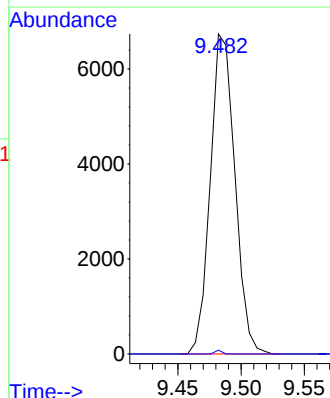
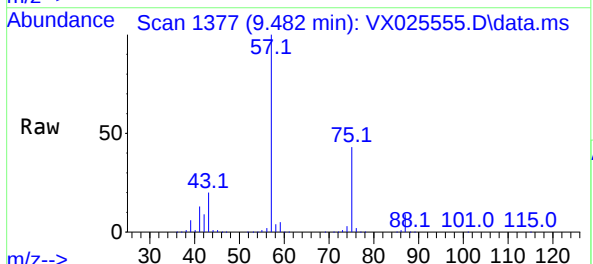
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

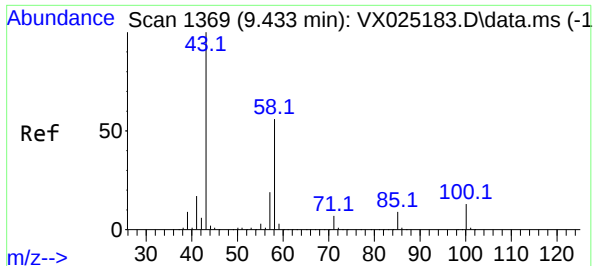
Tgt Ion: 75 Resp: 14712
Ion Ratio Lower Upper
75 100
77 0.0 23.8 35.8#
39 28.1 38.8 58.2#



#57
1,3-Dichloropropane
Concen: 5.001 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 76 Resp: 9117
Ion Ratio Lower Upper
76 100
78 0.3 25.8 38.8#

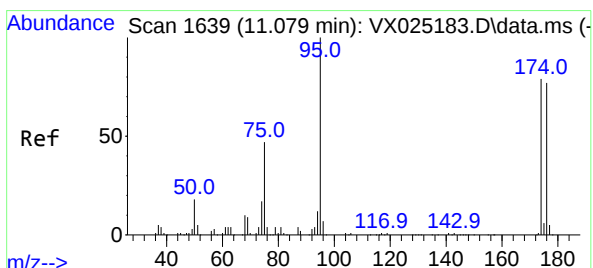
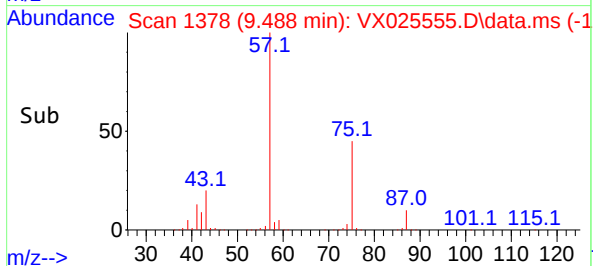
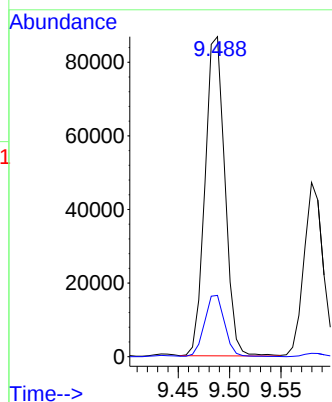
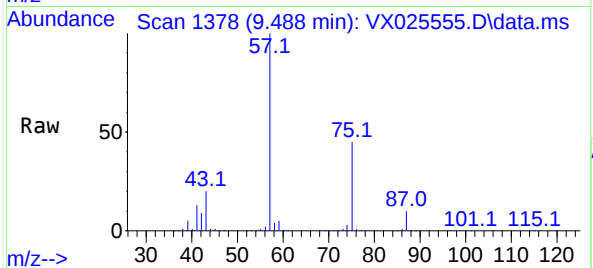




#59
2-Hexanone
Concen: 89.063 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

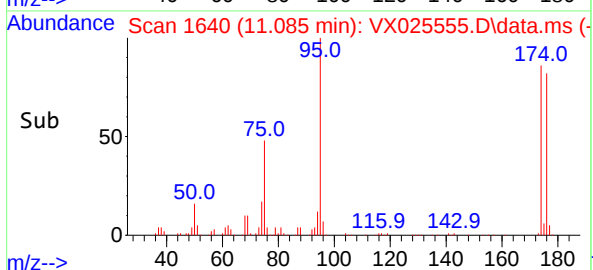
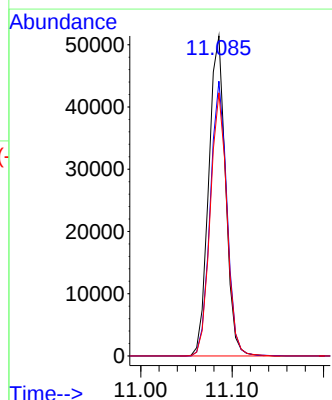
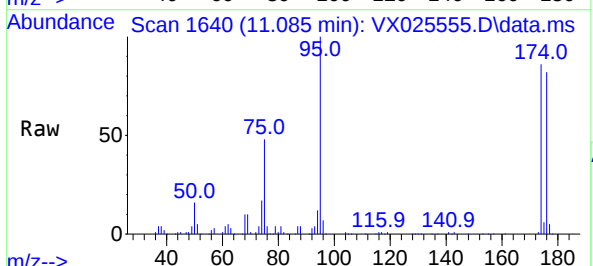
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

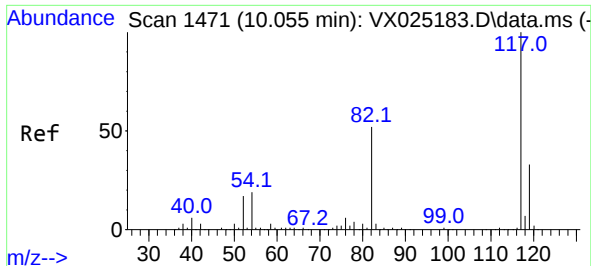
Tgt Ion: 43 Resp: 116656
Ion Ratio Lower Upper
43 100
58 19.6 26.6 79.7#



#62
4-Bromofluorobenzene
Concen: 46.808 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 95 Resp: 65520
Ion Ratio Lower Upper
95 100
174 85.0 0.0 158.0
176 81.5 0.0 153.6

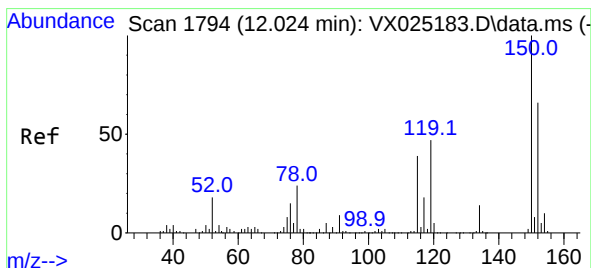
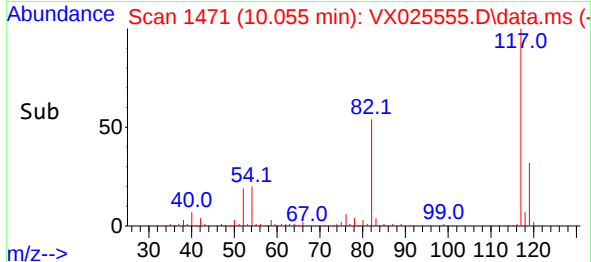
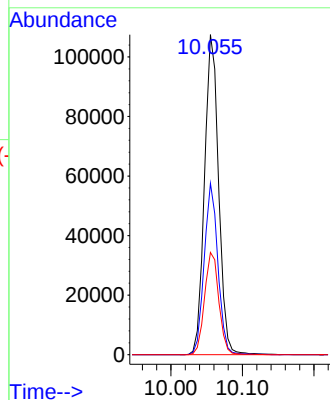
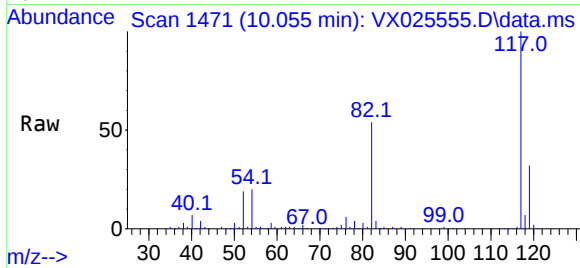




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

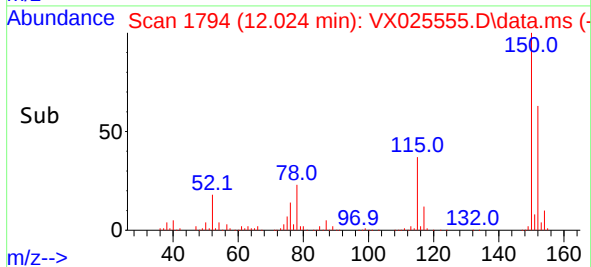
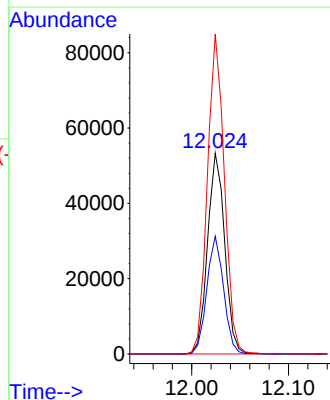
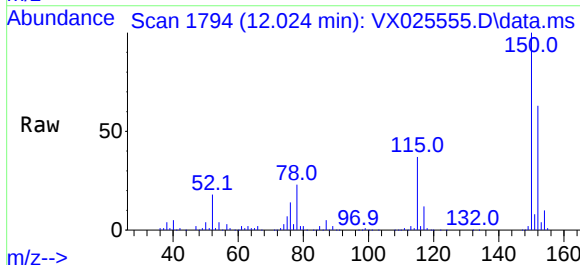
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

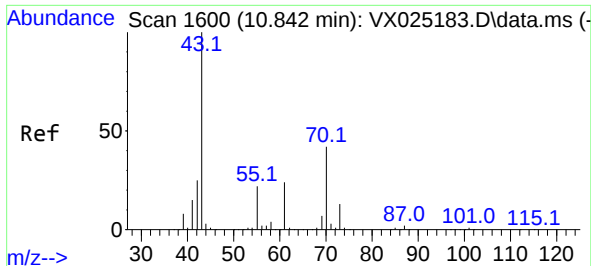
Tgt Ion:117 Resp: 147386
Ion Ratio Lower Upper
117 100
82 53.6 44.6 67.0
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion:152 Resp: 65942
Ion Ratio Lower Upper
152 100
115 57.5 43.3 129.8
150 157.1 0.0 351.2

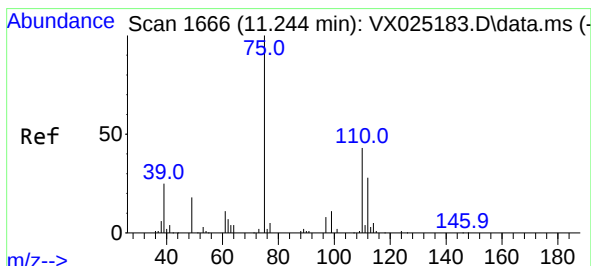
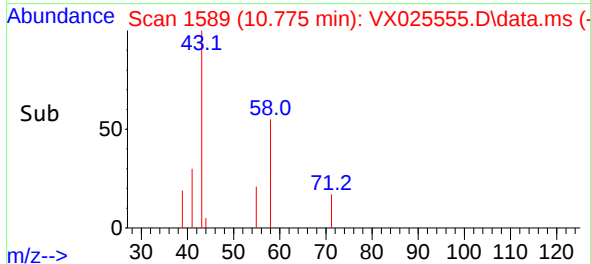
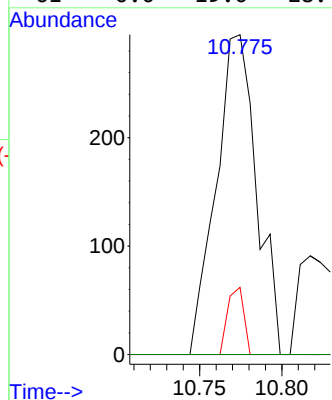
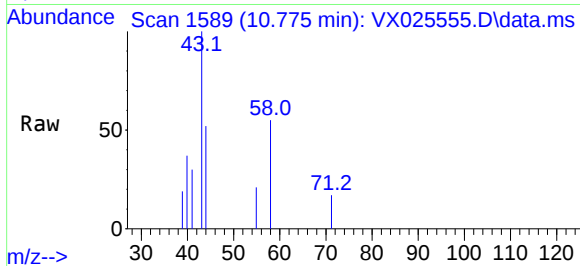




#74
N-amy1 acetate
Concen: 0.249 ug/l
RT: 10.775 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

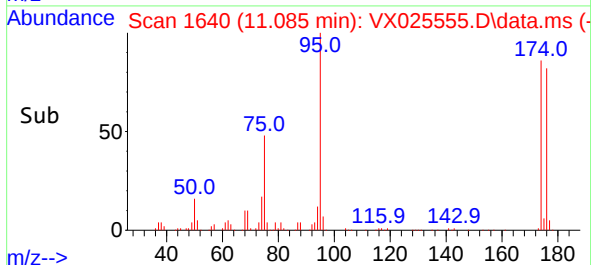
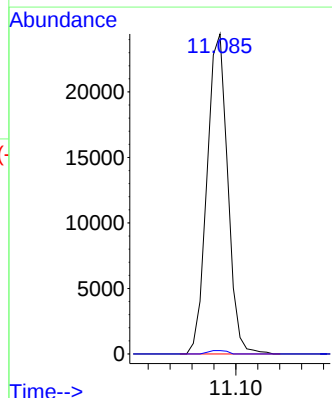
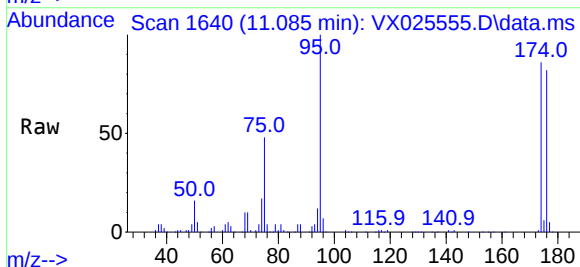
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

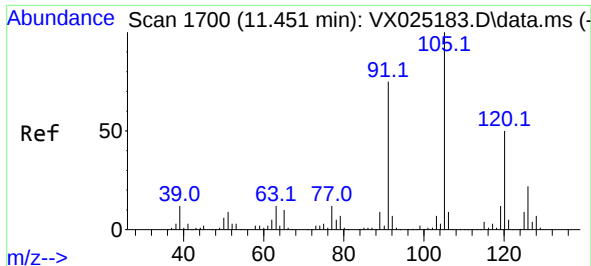
Tgt Ion: 43	Resp:	506
Ion	Ratio	Lower Upper
43	100	
70	0.0	33.7 50.5#
55	8.3	19.7 29.5#
61	0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 23.694 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Tgt Ion: 75	Resp:	31995
Ion	Ratio	Lower Upper
75	100	
77	1.0	20.0 59.9#

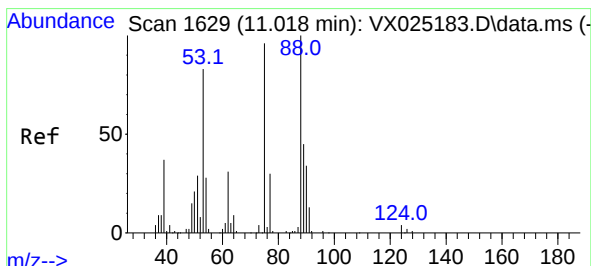
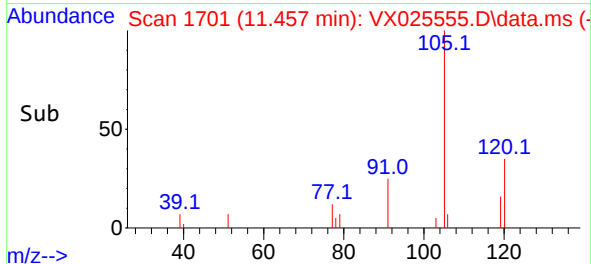
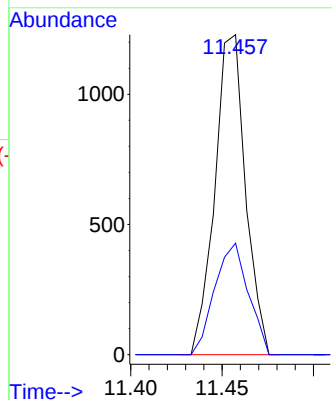
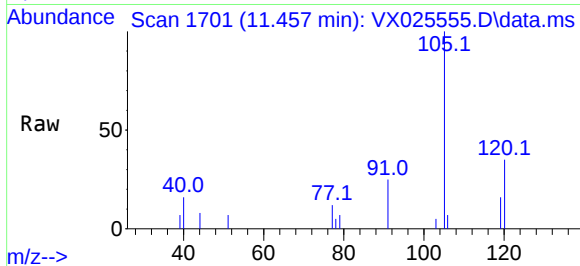




#80
1,3,5-Trimethylbenzene
Concen: 0.364 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

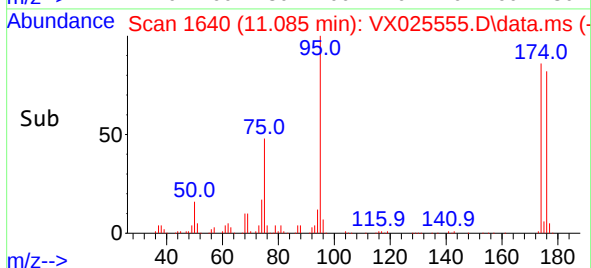
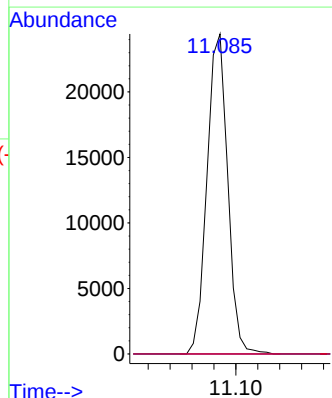
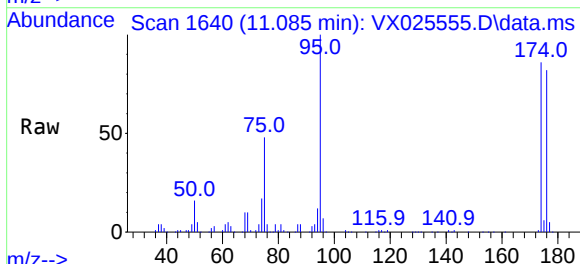
Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05

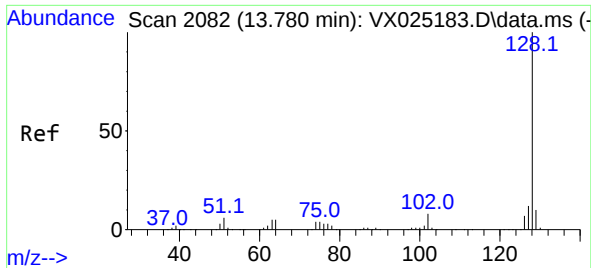
Tgt Ion:105 Resp: 1436
Ion Ratio Lower Upper
105 100
120 38.2 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 59.689 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

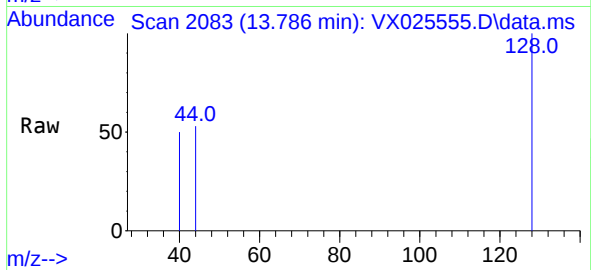
Tgt Ion: 75 Resp: 31995
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025555.D
Acq: 06 Dec 2021 17:40

Instrument :
MSVOA_X
ClientSampleId :
PB141182ZHE#05



Tgt Ion:128 Resp: 336

Ion	Ratio	Lower	Upper
128	100		
127	5.7	10.3	15.5#
129	0.0	8.8	13.2#

