

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020122\
 Data File : VX026711.D
 Acq On : 01 Feb 2022 16:53
 Operator : JC/MD
 Sample : PB142403ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#04

Quant Time: Feb 02 04:36:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

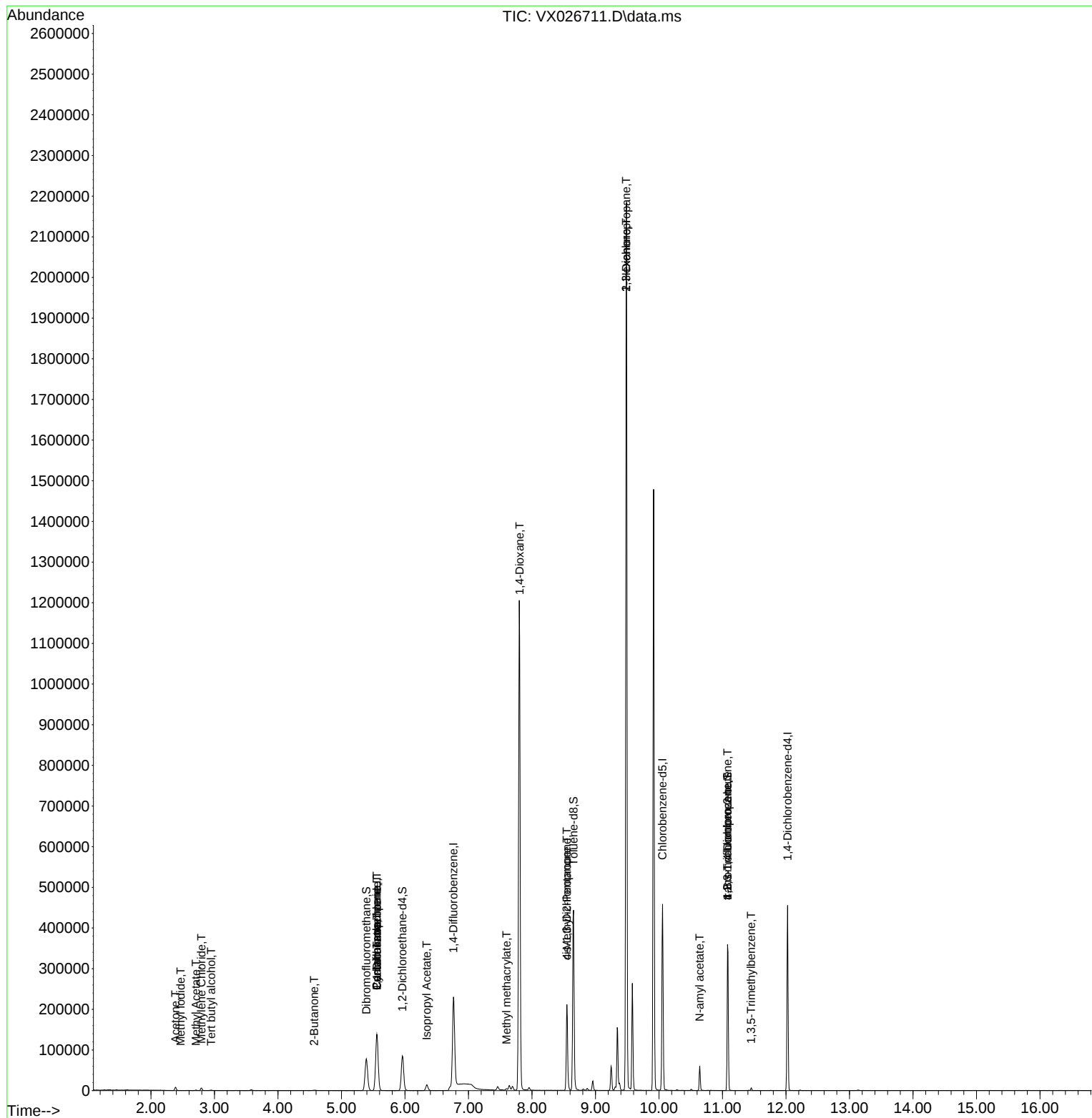
Internal Standards						
1) Pentafluorobenzene	5.556	168	130958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	222774	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83430	45.605	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.220%		
35) Dibromofluoromethane	5.391	113	68725	47.772	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	8.653	98	262674	50.669	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.340%		
62) 4-Bromofluorobenzene	11.079	95	98225	53.337	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.680%		
Target Compounds					Qvalue	
10) Methyl Iodide	2.465	142	23	4.459	ug/l #	37
11) Tert butyl alcohol	2.947	59	661	2.597	ug/l #	75
16) Acetone	2.386	43	9342	10.014	ug/l	96
18) Methyl Acetate	2.709	43	1777	0.958	ug/l #	86
20) Methylene Chloride	2.794	84	2887	1.873	ug/l	89
25) 2-Butanone	4.568	43	1855	1.529	ug/l	91
31) Cyclohexane	5.556	56	2588	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10197	4.490	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13322	5.703	ug/l #	17
43) Isopropyl Acetate	6.342	43	19545	5.267	ug/l	98
48) Methyl methacrylate	7.598	41	5830	3.170	ug/l #	16
49) 1,4-Dioxane	7.806	88	150	4.970	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	70882	32.203	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	33400	13.934	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	19691	7.561	ug/l #	43
59) 2-Hexanone	9.482	43	270687	160.676	ug/l #	51
74) N-amyl acetate	10.640	43	13961	4.863	ug/l #	53
76) 1,2,3-Trichloropropane	11.079	75	48852	24.455	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2725	0.444	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	48852	74.443	ug/l #	3

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

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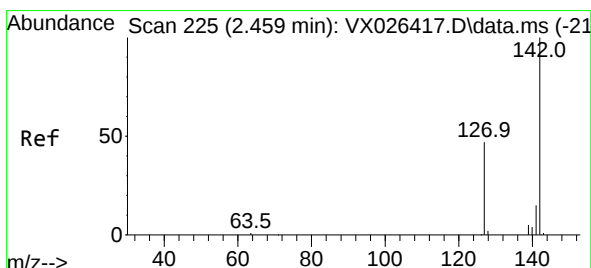
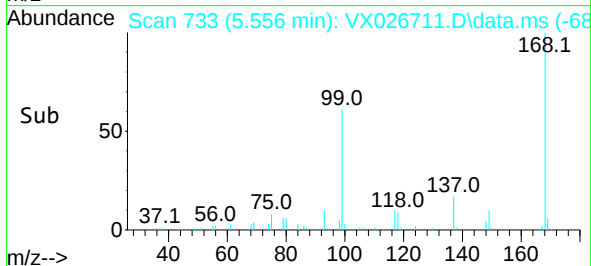
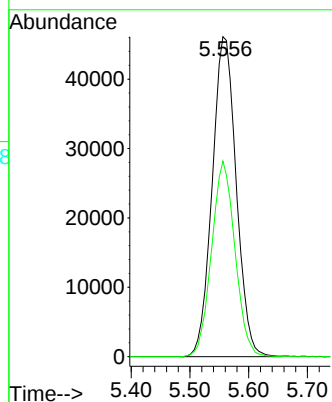
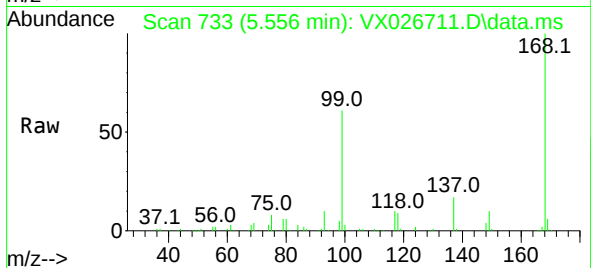




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

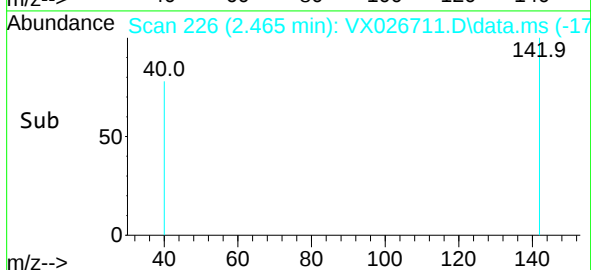
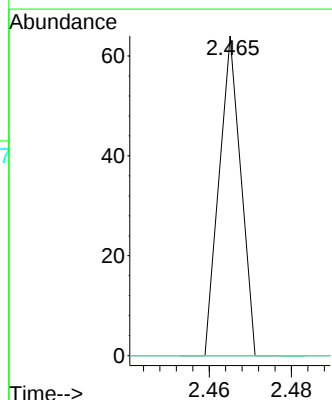
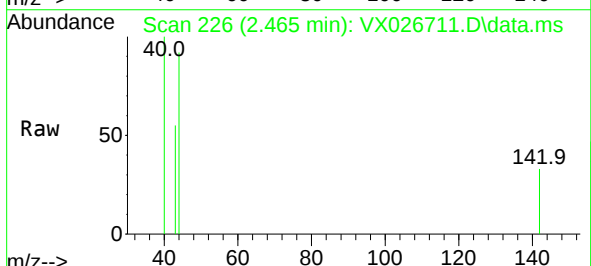
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

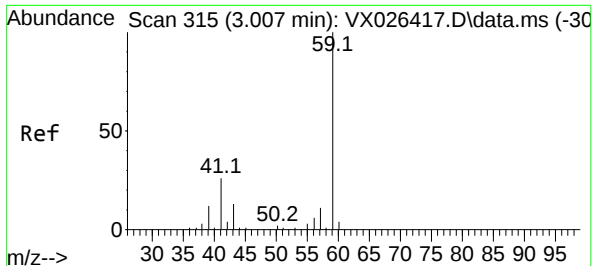
Tgt Ion:168 Resp: 130958
Ion Ratio Lower Upper
168 100
99 61.1 50.3 75.5



#10
Methyl Iodide
Concen: 4.459 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.006 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion:142 Resp: 23
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#

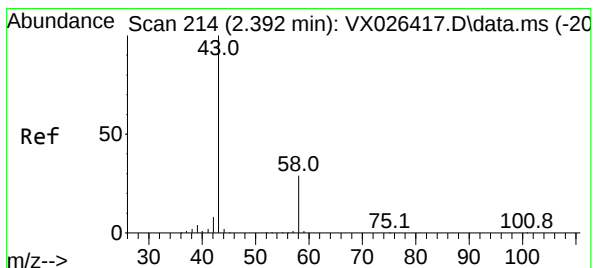
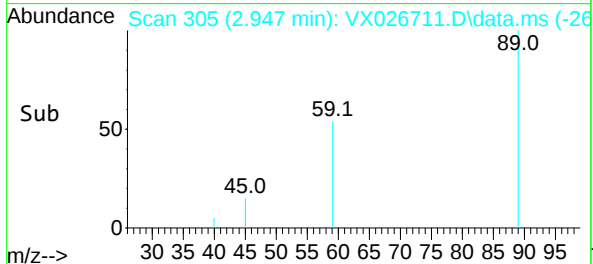
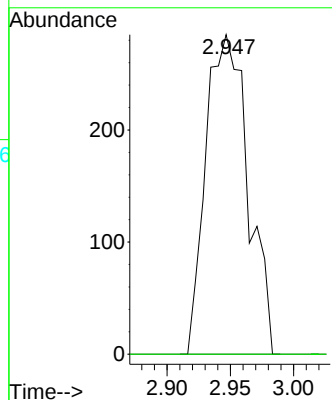
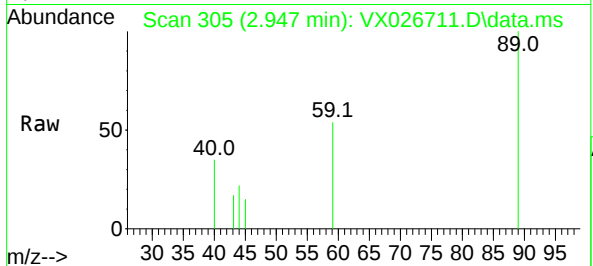




#11
Tert butyl alcohol
Concen: 2.597 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.060 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

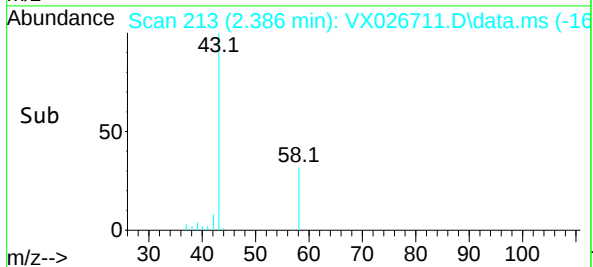
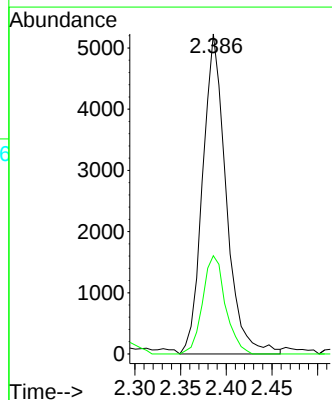
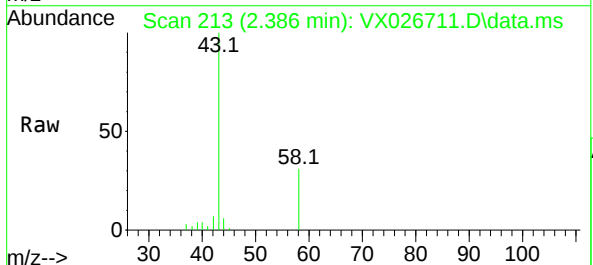
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

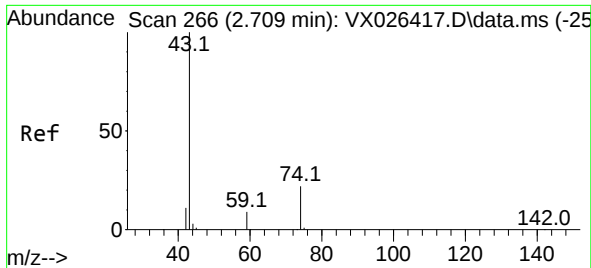
Tgt Ion: 59 Resp: 661
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 10.014 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 43 Resp: 9342
Ion Ratio Lower Upper
43 100
58 30.7 23.0 34.6

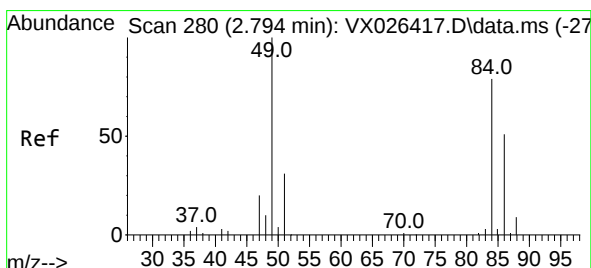
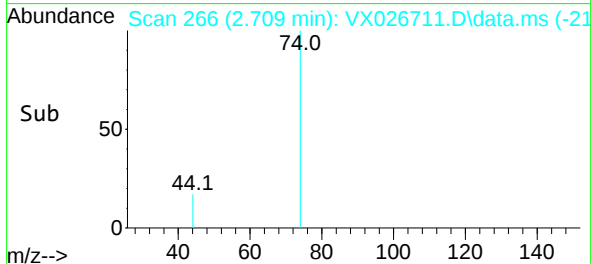
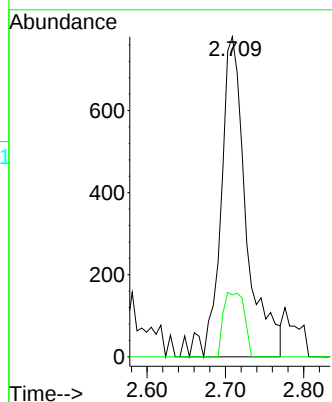
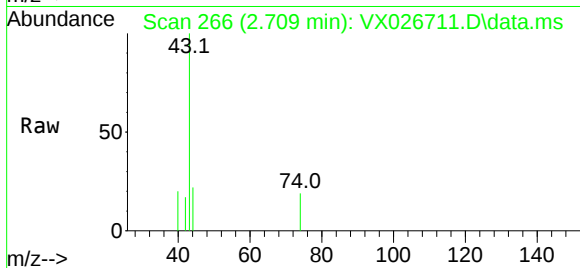




#18
Methyl Acetate
Concen: 0.958 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

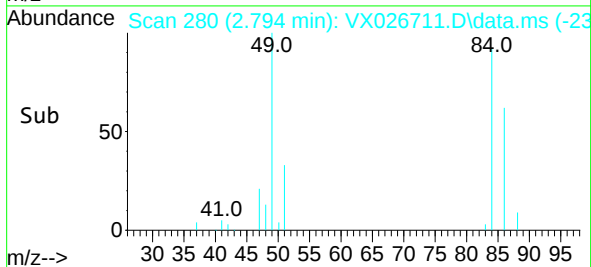
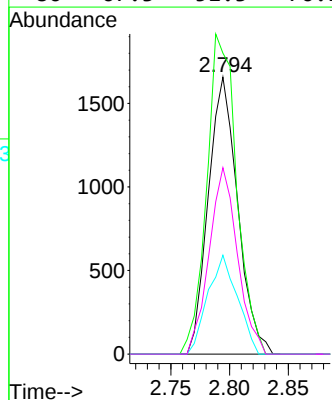
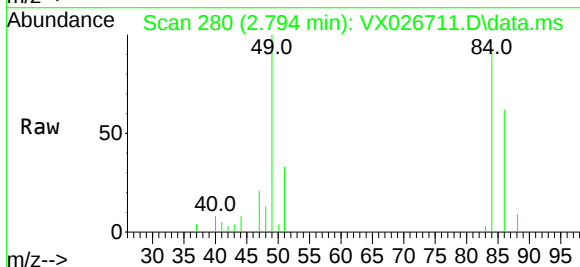
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

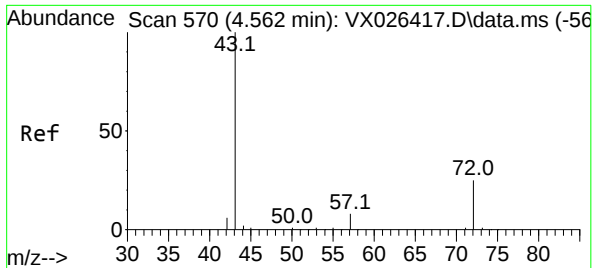
Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
74 16.2 18.3 27.5#



#20
Methylene Chloride
Concen: 1.873 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 84 Resp: 2887
Ion Ratio Lower Upper
84 100
49 108.7 101.5 152.3
51 35.7 31.2 46.8
86 67.3 51.3 76.9

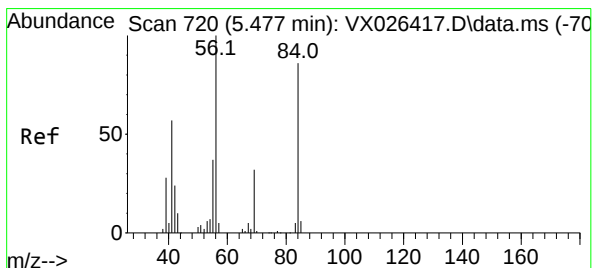
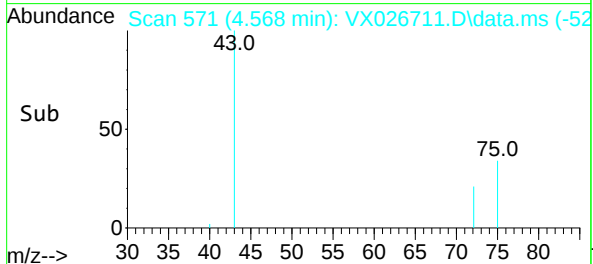
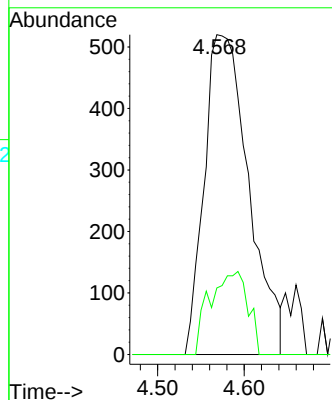
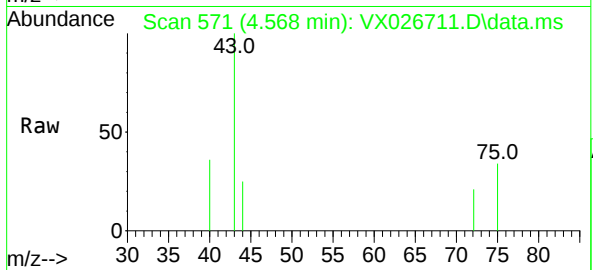




#25
2-Butanone
Concen: 1.529 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

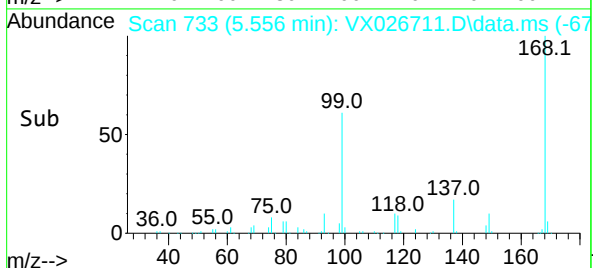
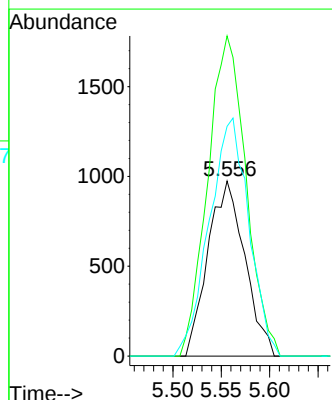
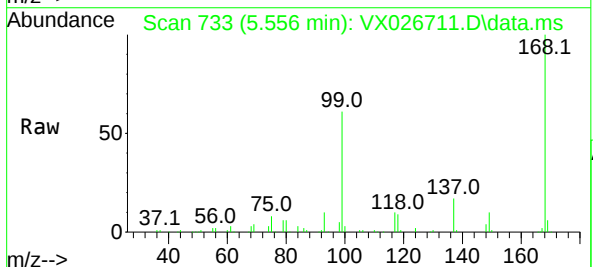
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

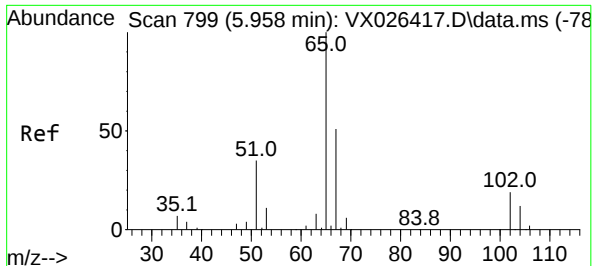
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
72 20.8 20.4 30.6



#31
Cyclohexane
Concen: 0.959 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 56 Resp: 2588
Ion Ratio Lower Upper
56 100
69 183.0 25.8 38.6#
84 131.3 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 45.605 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

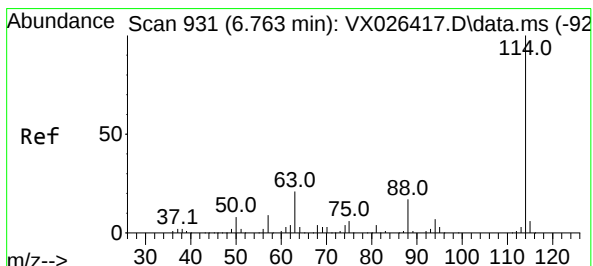
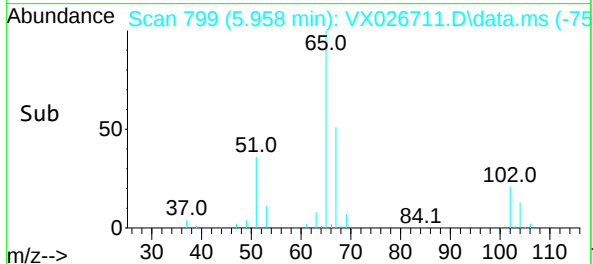
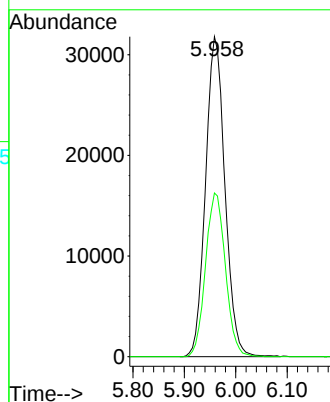
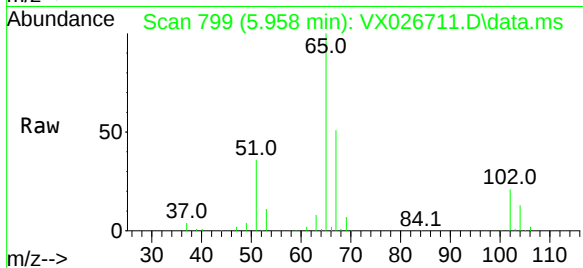
PB142403ZHE#04

Tgt Ion: 65 Resp: 83430

Ion Ratio Lower Upper

65 100

67 52.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

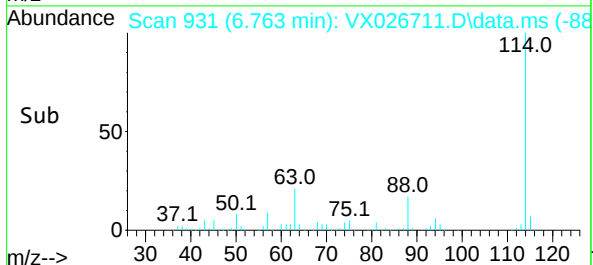
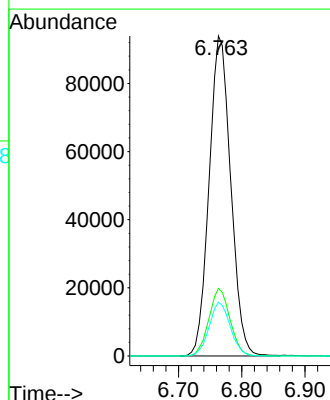
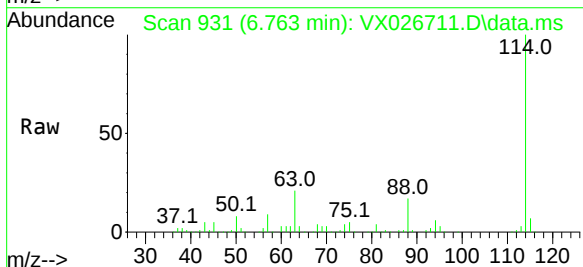
Tgt Ion: 114 Resp: 222774

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.8

88 16.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.772 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026711.D

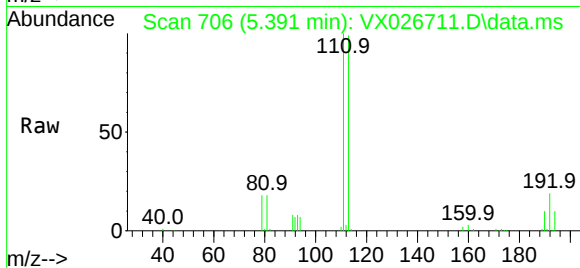
Acq: 01 Feb 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#04



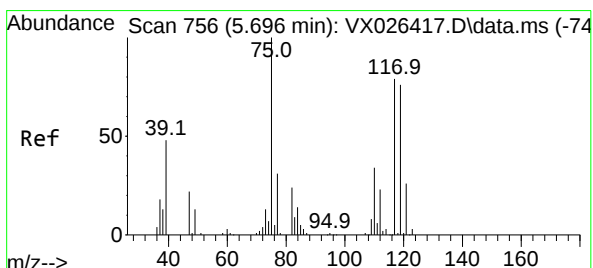
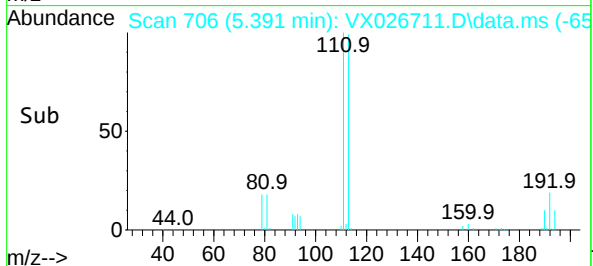
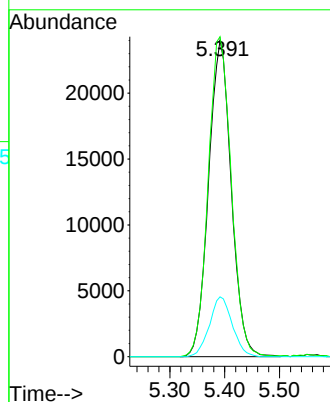
Tgt Ion:113 Resp: 68725

Ion Ratio Lower Upper

113 100

111 103.0 81.2 121.8

192 19.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.490 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

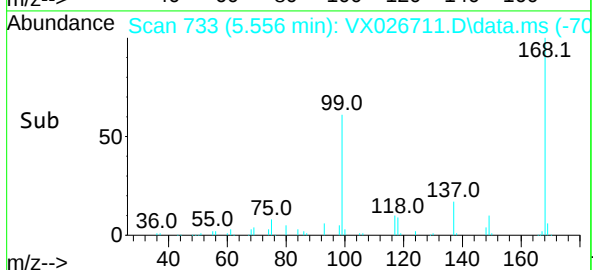
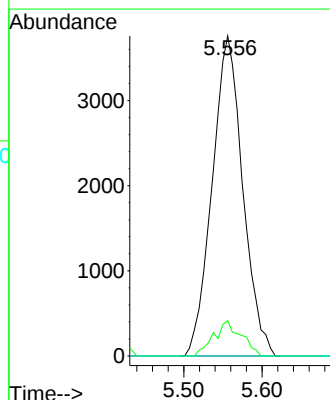
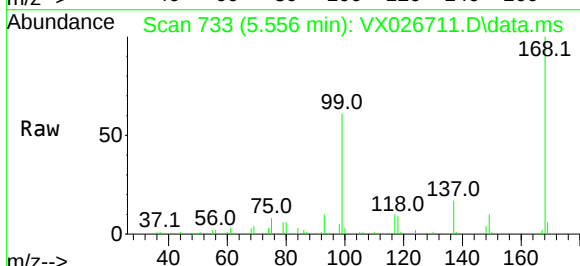
Tgt Ion: 75 Resp: 10197

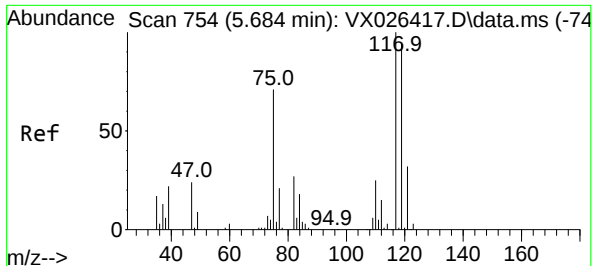
Ion Ratio Lower Upper

75 100

110 9.9 17.2 51.6#

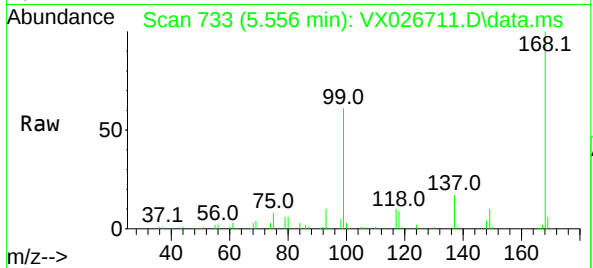
77 0.0 24.6 36.8#



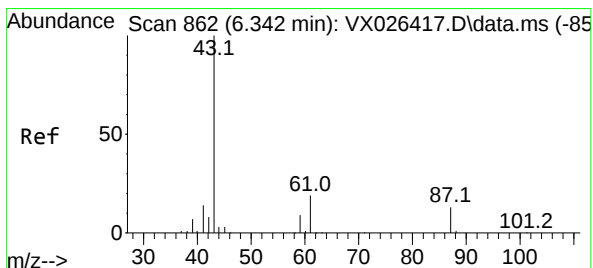
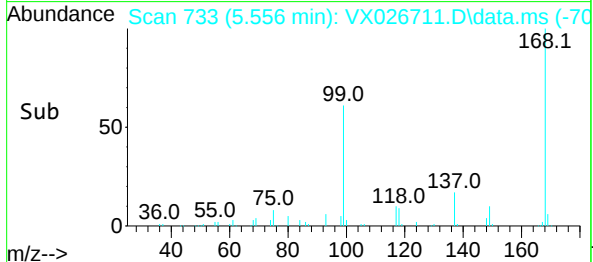
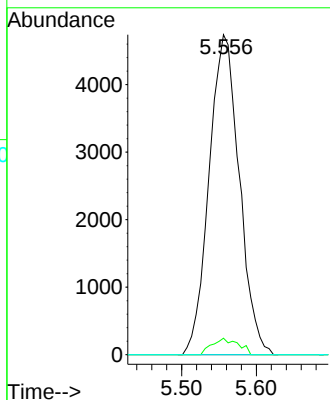


#38
Carbon Tetrachloride
Concen: 5.703 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

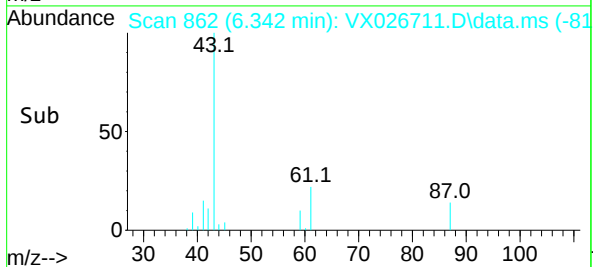
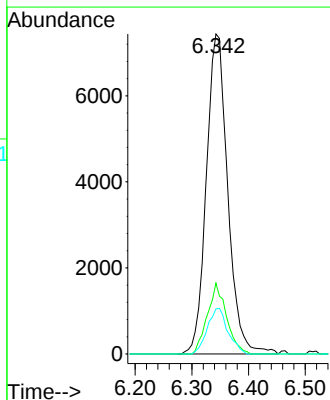
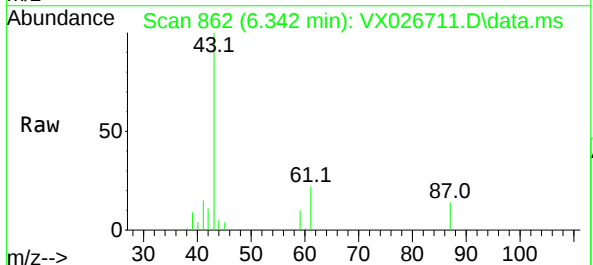


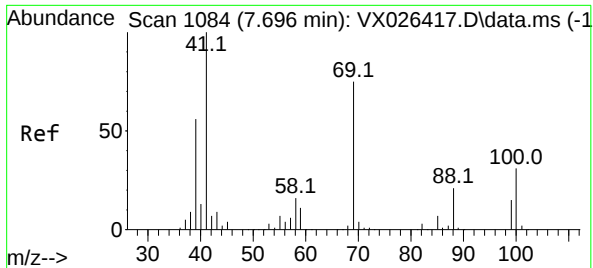
Tgt Ion:117 Resp: 13322
Ion Ratio Lower Upper
117 100
119 5.2 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 5.267 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 43 Resp: 19545
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 13.7 10.2 15.2





#48

Methyl methacrylate

Concen: 3.170 ug/l

RT: 7.598 min Scan# 1102

Delta R.T. -0.097 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#04

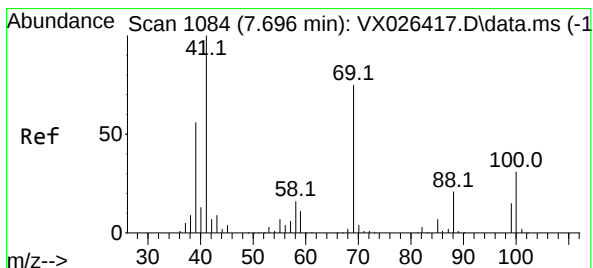
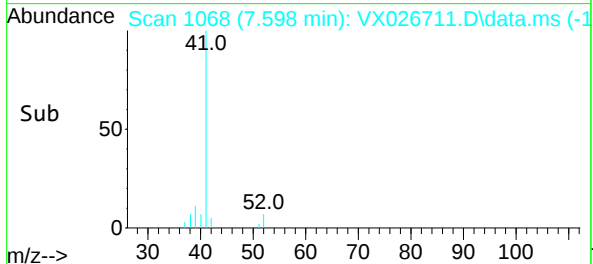
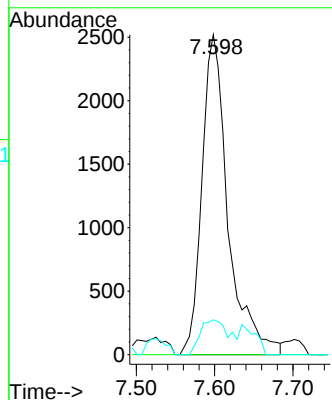
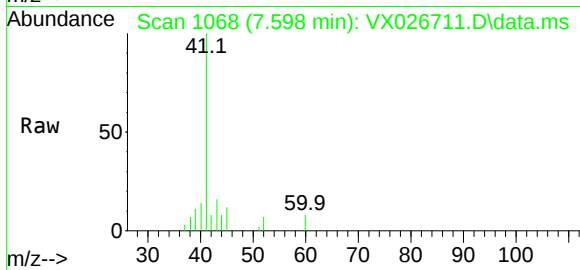
Tgt Ion: 41 Resp: 5830

Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.4#

39 0.0 45.4 68.0#



#49

1,4-Dioxane

Concen: 4.970 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

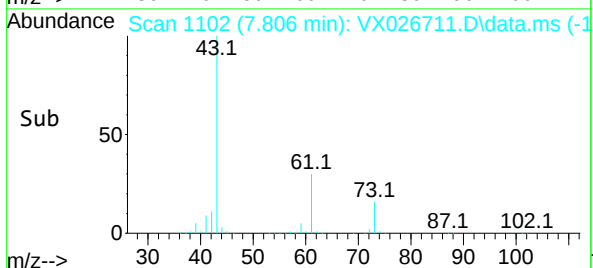
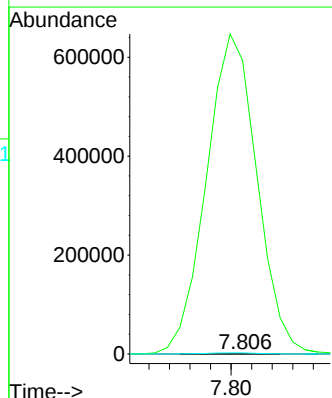
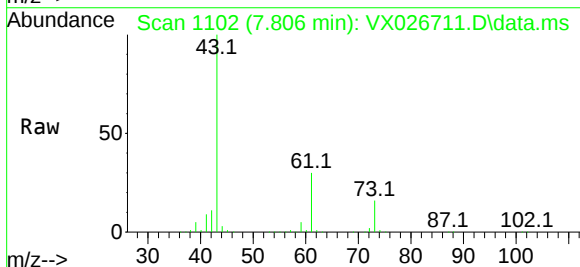
Tgt Ion: 88 Resp: 150

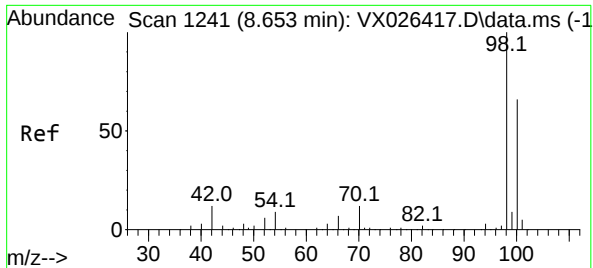
Ion Ratio Lower Upper

88 100

43 741053.3 29.9 44.9#

58 2707.3 57.8 86.6#

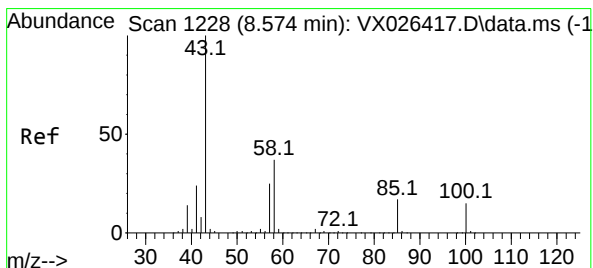
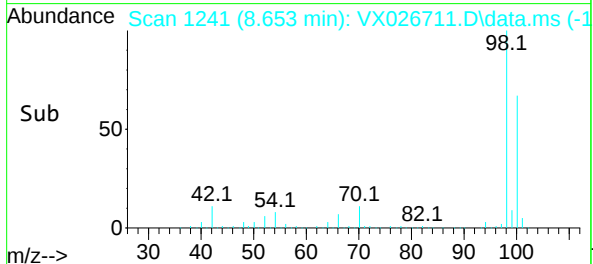
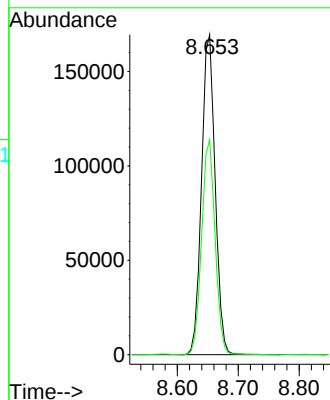
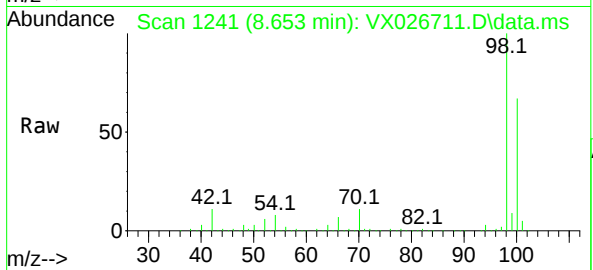




#50
Toluene-d8
Concen: 50.669 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

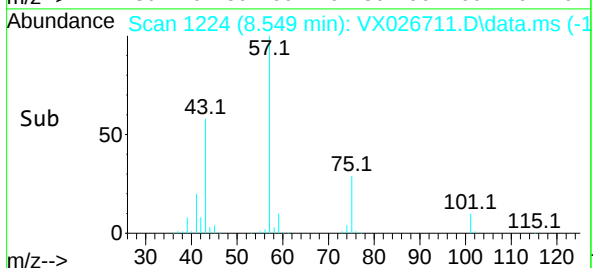
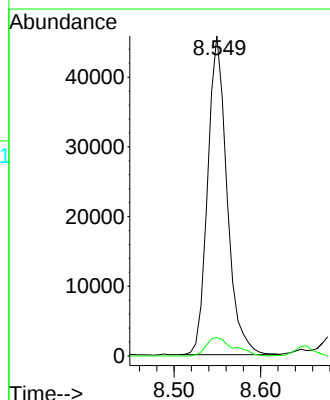
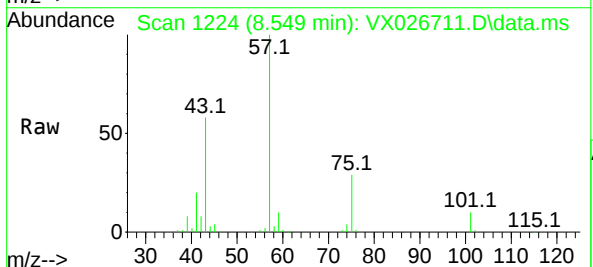
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

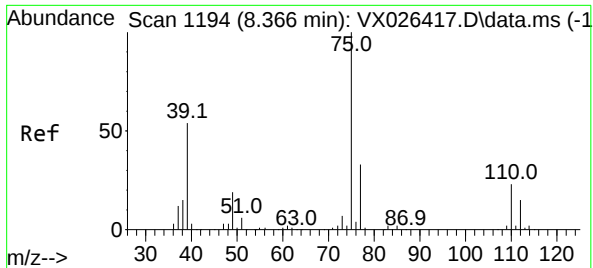
Tgt Ion: 98 Resp: 262674
Ion Ratio Lower Upper
98 100
100 66.7 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 32.203 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 43 Resp: 70882
Ion Ratio Lower Upper
43 100
58 8.1 30.5 45.7#

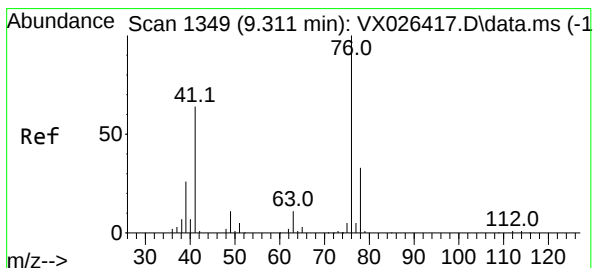
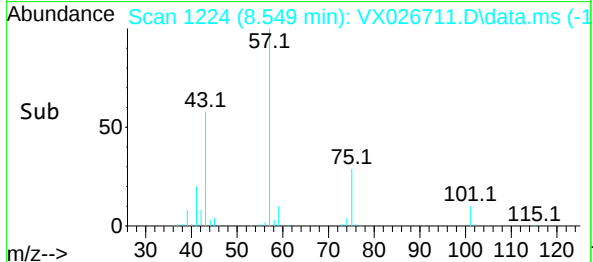
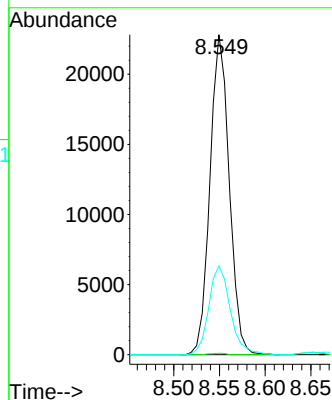
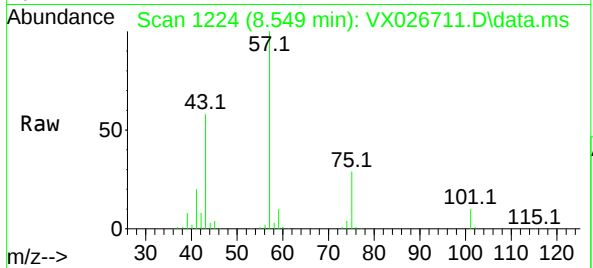




#54
 cis-1,3-Dichloropropene
 Concen: 13.934 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026711.D
 Acq: 01 Feb 2022 16:53

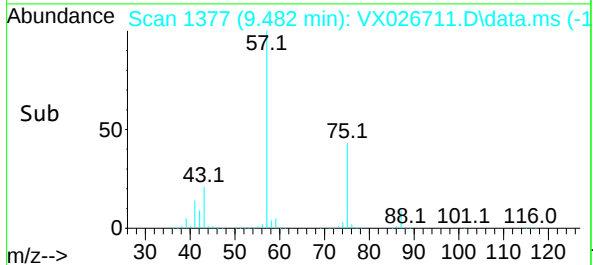
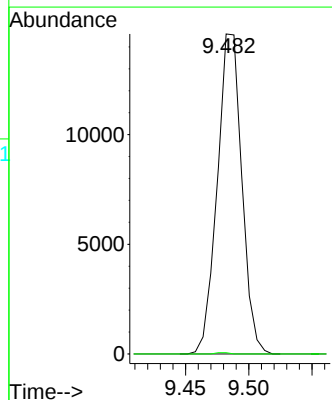
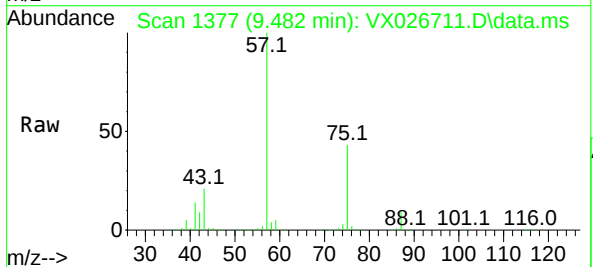
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142403ZHE#04

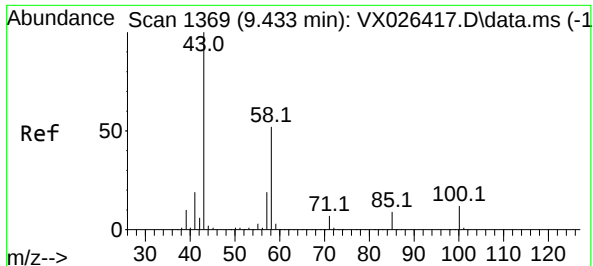
Tgt Ion: 75 Resp: 33400
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 27.7 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 7.561 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026711.D
 Acq: 01 Feb 2022 16:53

Tgt Ion: 76 Resp: 19691
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

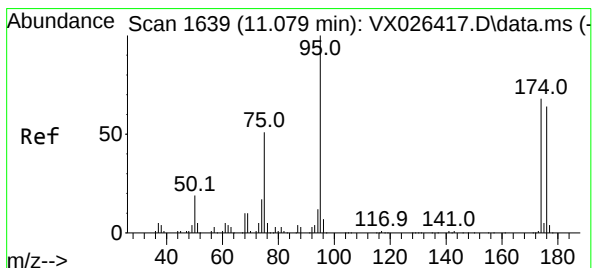
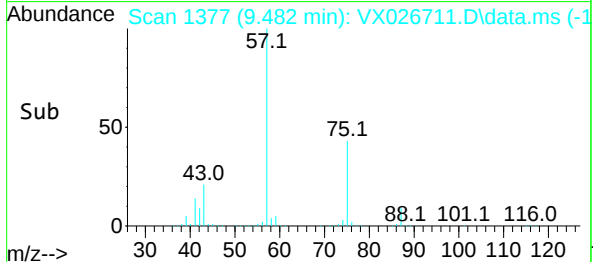
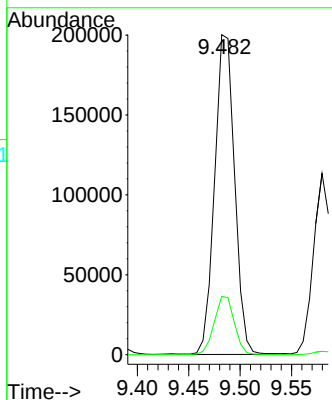
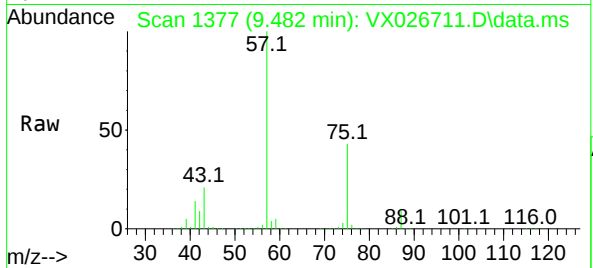




#59
2-Hexanone
Concen: 160.676 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

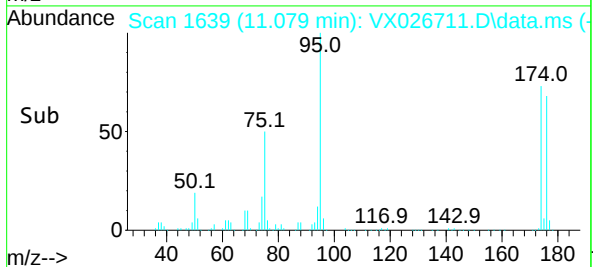
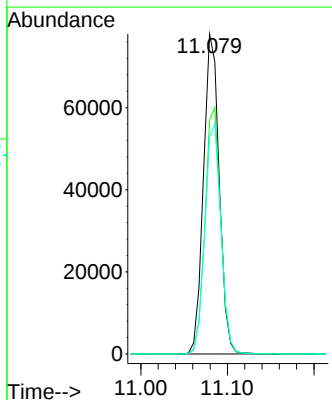
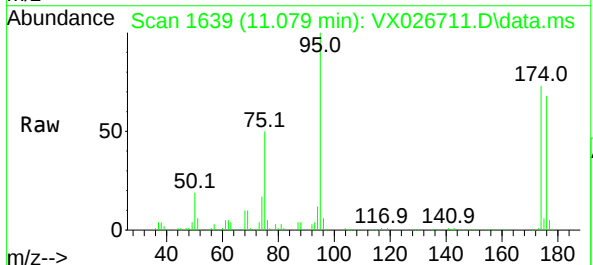
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

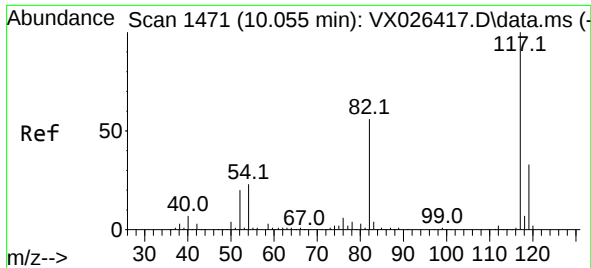
Tgt Ion: 43 Resp: 270687
Ion Ratio Lower Upper
43 100
58 18.4 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 53.337 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 95 Resp: 98225
Ion Ratio Lower Upper
95 100
174 77.2 0.0 148.6
176 73.5 0.0 141.4

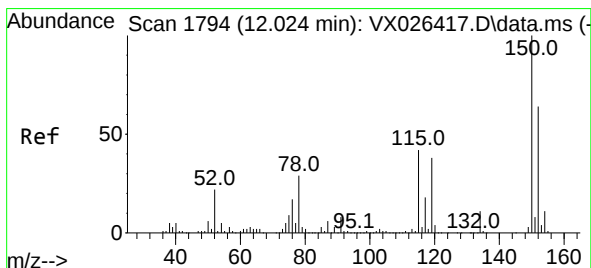
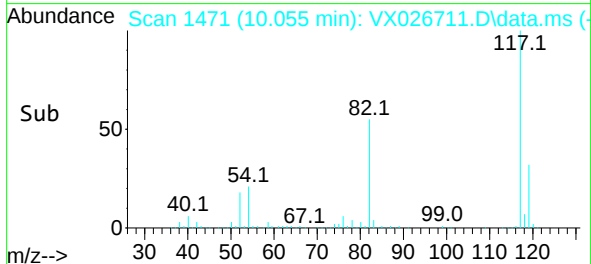
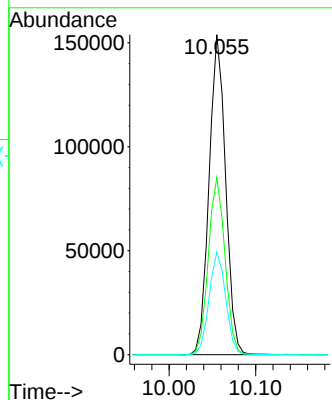
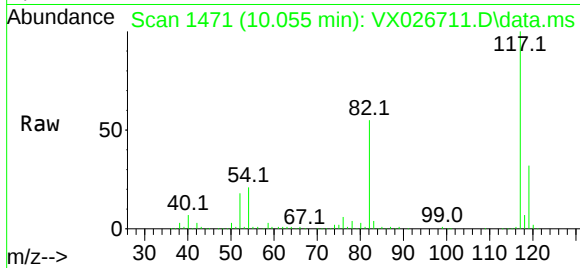




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

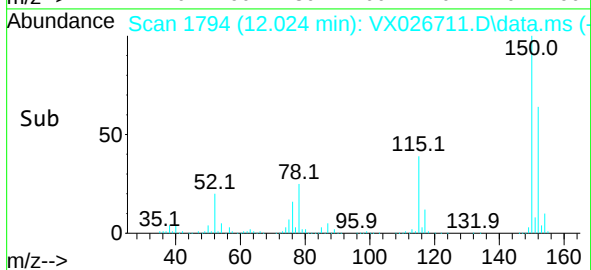
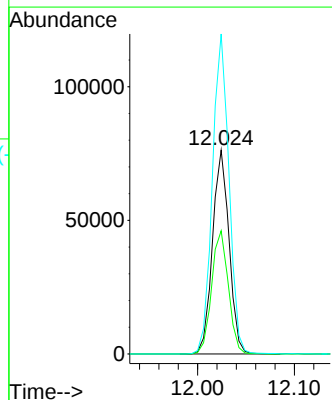
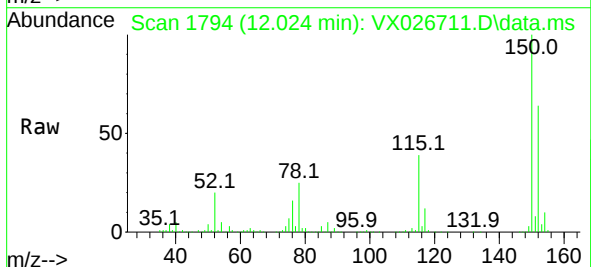
Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

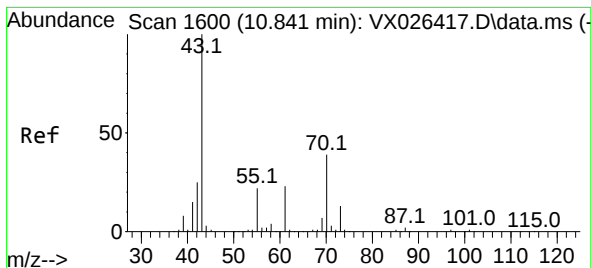
Tgt Ion:117 Resp: 203594
Ion Ratio Lower Upper
117 100
82 55.4 45.2 67.8
119 32.0 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion:152 Resp: 90727
Ion Ratio Lower Upper
152 100
115 60.9 44.2 132.6
150 157.1 0.0 348.2





#74

N-amy1 acetate

Concen: 4.863 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX026711.D

Acq: 01 Feb 2022 16:53

Instrument :

MSVOA_X

ClientSampleId :

PB142403ZHE#04

Tgt Ion: 43 Resp: 13961

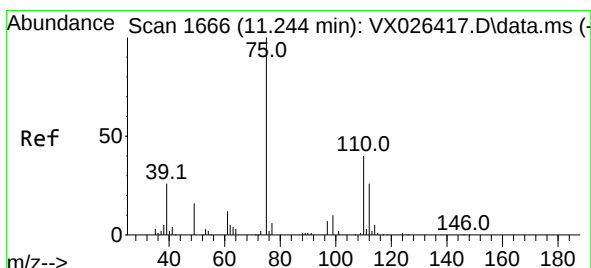
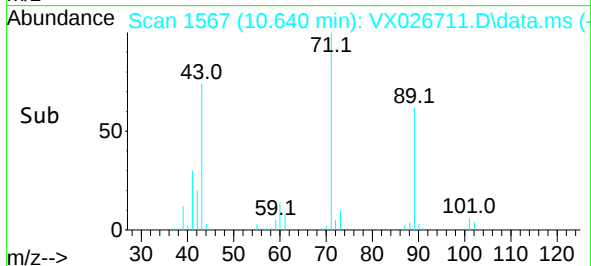
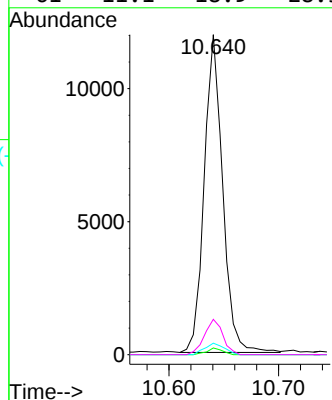
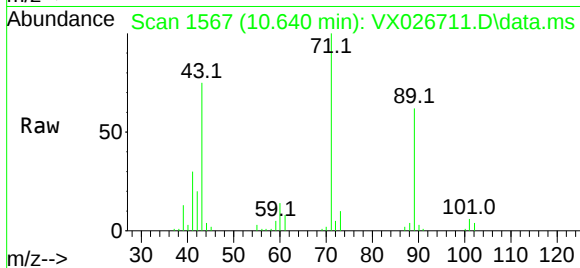
Ion Ratio Lower Upper

43 100

70 1.7 32.9 49.3#

55 3.8 18.3 27.5#

61 11.1 18.9 28.3#



#76

1,2,3-Trichloropropane

Concen: 24.455 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX026711.D

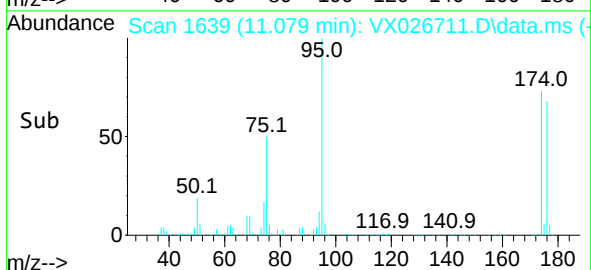
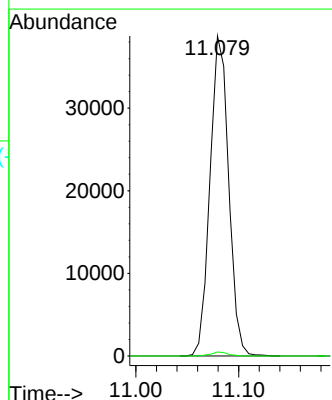
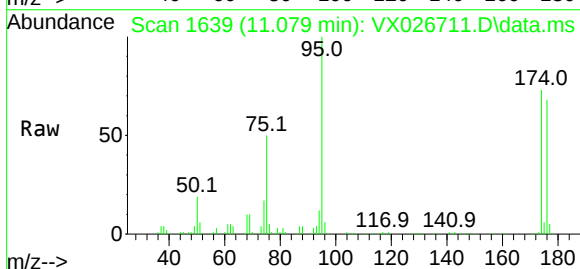
Acq: 01 Feb 2022 16:53

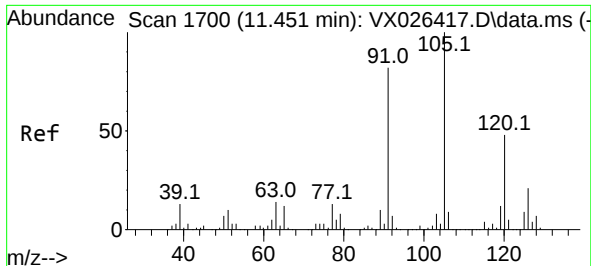
Tgt Ion: 75 Resp: 48852

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#

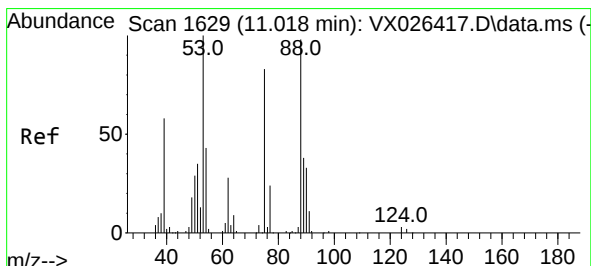
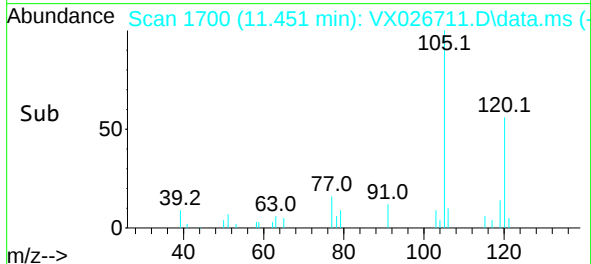
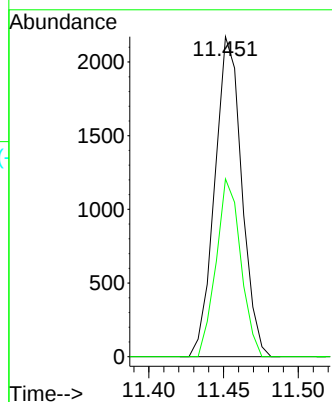
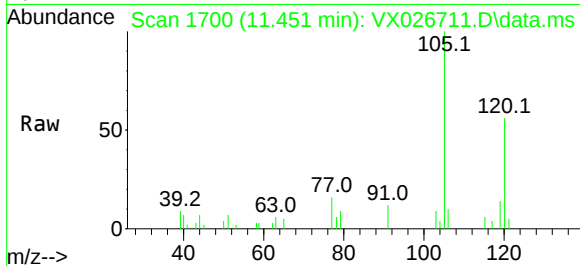




#80
1,3,5-Trimethylbenzene
Concen: 0.444 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Instrument :
MSVOA_X
ClientSampleId :
PB142403ZHE#04

Tgt Ion:105 Resp: 2725
Ion Ratio Lower Upper
105 100
120 50.6 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 74.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026711.D
Acq: 01 Feb 2022 16:53

Tgt Ion: 75 Resp: 48852
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#

