

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020222\
 Data File : VX026746.D
 Acq On : 02 Feb 2022 18:53
 Operator : JC/MD
 Sample : PB142421ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#05

Quant Time: Feb 03 03:09:02 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)

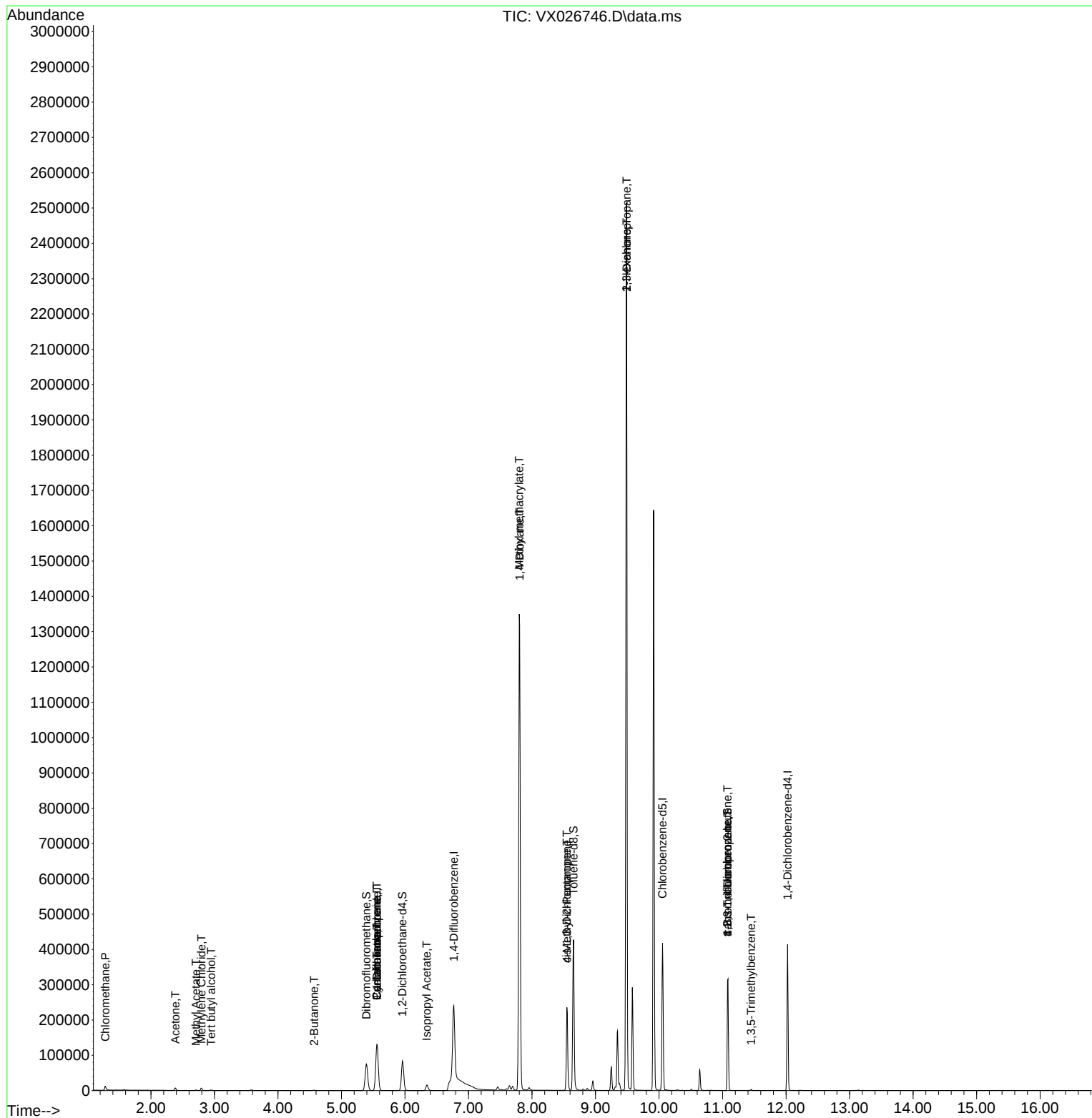
Internal Standards						
1) Pentafluorobenzene	5.556	168	125986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	213979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	83270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	79695	45.283	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.560%
35) Dibromofluoromethane	5.391	113	66231	47.931	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.860%
50) Toluene-d8	8.653	98	248289	49.863	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.720%
62) 4-Bromofluorobenzene	11.079	95	88814	50.209	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.282	50	380	0.279	ug/l #	42
11) Tert butyl alcohol	2.947	59	1026	4.191	ug/l #	75
16) Acetone	2.386	43	8241	9.182	ug/l	97
18) Methyl Acetate	2.709	43	2392	1.341	ug/l	91
20) Methylene Chloride	2.794	84	3203	2.160	ug/l	89
25) 2-Butanone	4.568	43	1714	1.469	ug/l	99
31) Cyclohexane	5.556	56	2413	0.930	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9386	4.303	ug/l #	50
38) Carbon Tetrachloride	5.556	117	12780	5.696	ug/l #	16
43) Isopropyl Acetate	6.342	43	22246	6.241	ug/l	99
48) Methyl methacrylate	7.799	41	114854	65.019	ug/l #	44
49) 1,4-Dioxane	7.806	88	158	5.450	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	79307	37.511	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	37223	16.167	ug/l #	55
57) 1,3-Dichloropropane	9.488	76	21658	8.658	ug/l #	43
59) 2-Hexanone	9.488	43	300449	185.673	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	44101	24.054	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	1597	0.284	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	44101	73.303	ug/l #	3

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

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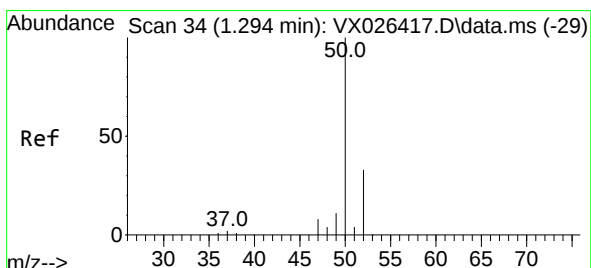
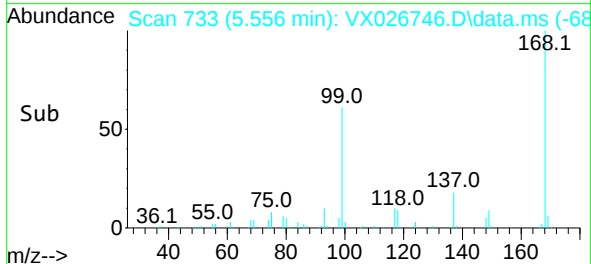
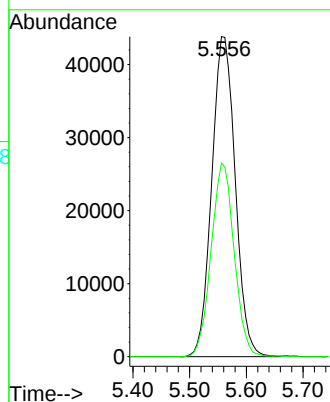
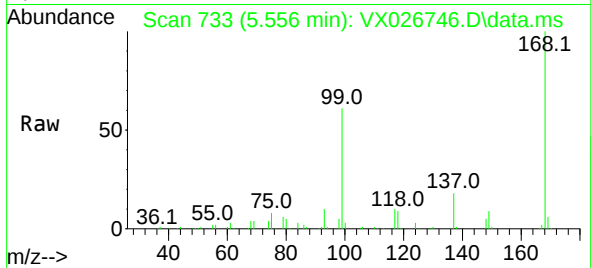




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

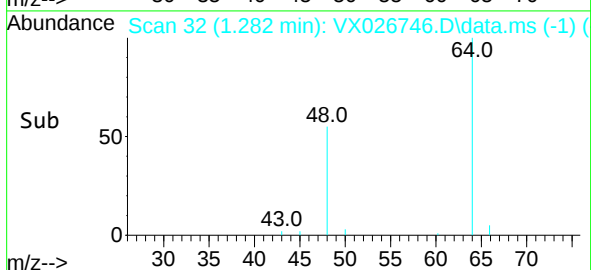
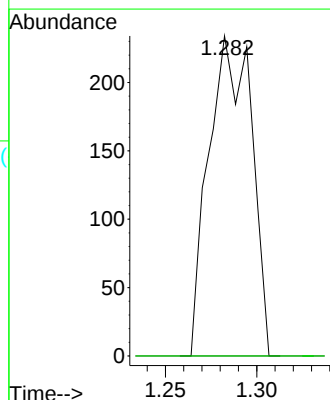
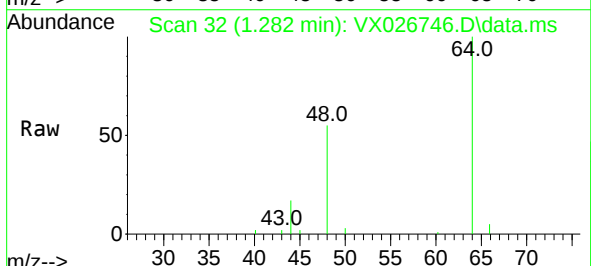
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

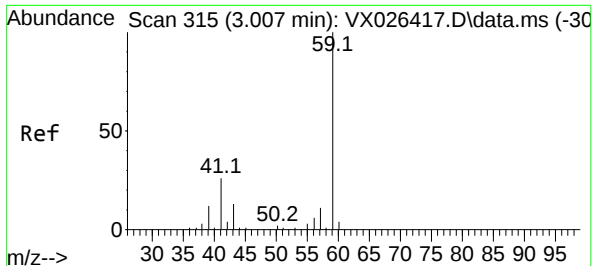
Tgt Ion:168 Resp: 125986
Ion Ratio Lower Upper
168 100
99 60.5 50.3 75.5



#3
Chloromethane
Concen: 0.279 ug/l
RT: 1.282 min Scan# 32
Delta R.T. -0.012 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 50 Resp: 380
Ion Ratio Lower Upper
50 100
52 0.0 26.1 39.1#

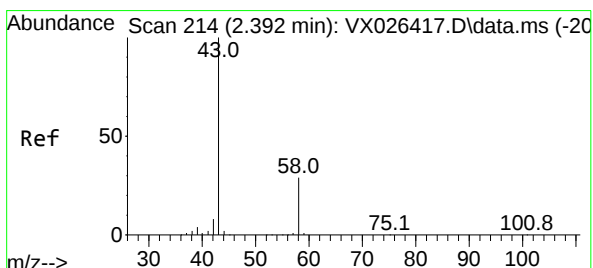
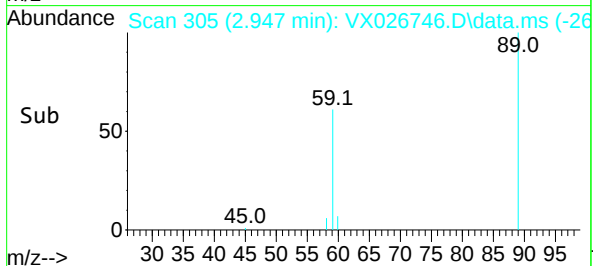
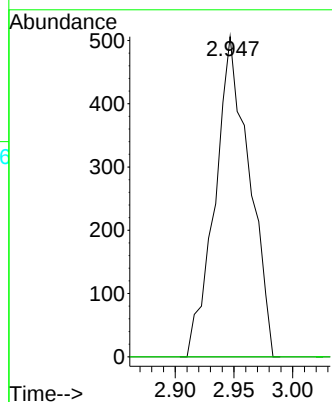
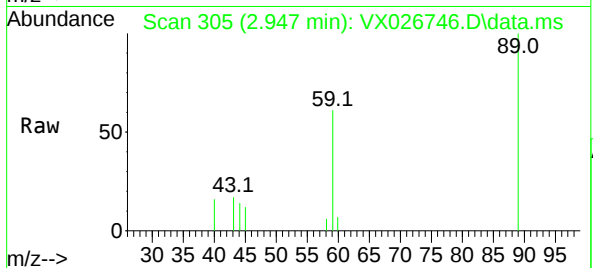




#11
Tert butyl alcohol
Concen: 4.191 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.060 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

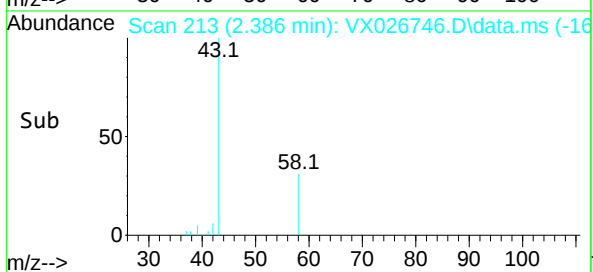
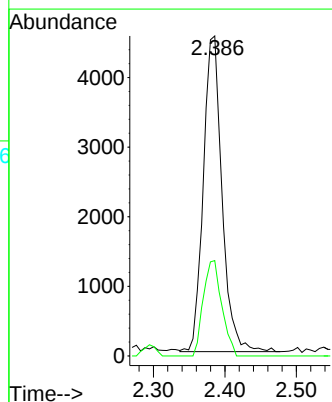
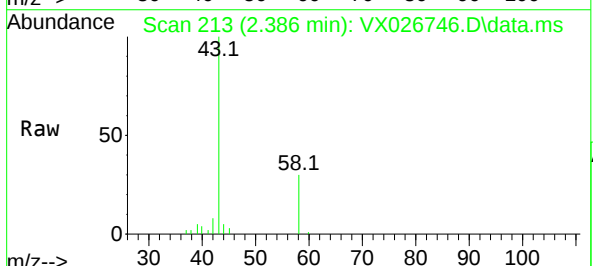
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

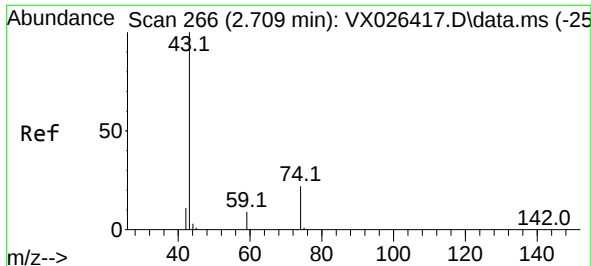
Tgt Ion: 59 Resp: 1026
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 9.182 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 43 Resp: 8241
Ion Ratio Lower Upper
43 100
58 30.2 23.0 34.6

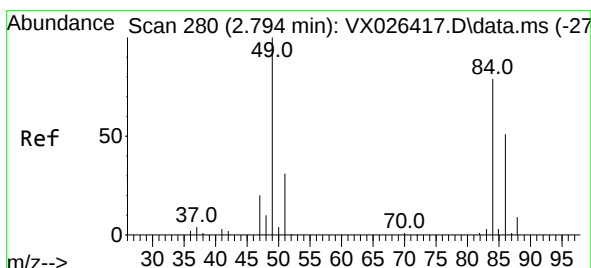
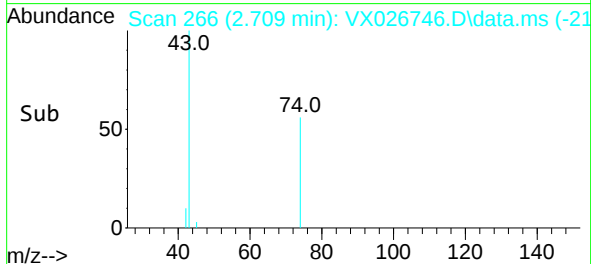
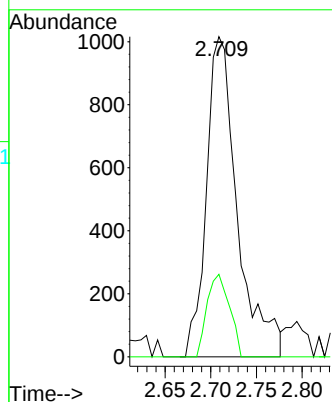
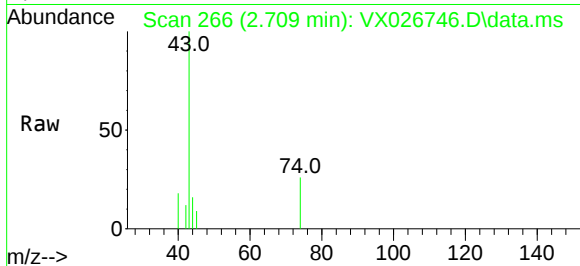




#18
Methyl Acetate
Concen: 1.341 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

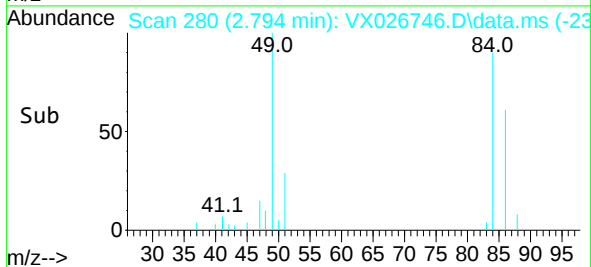
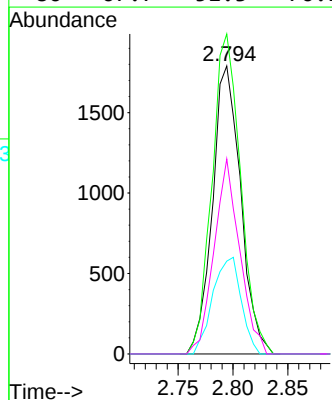
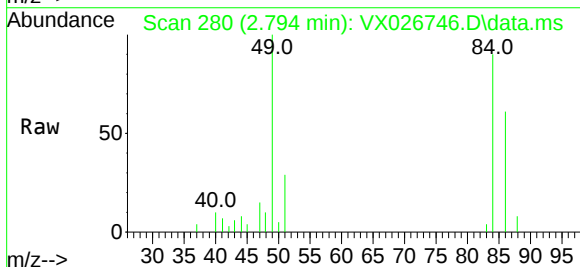
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

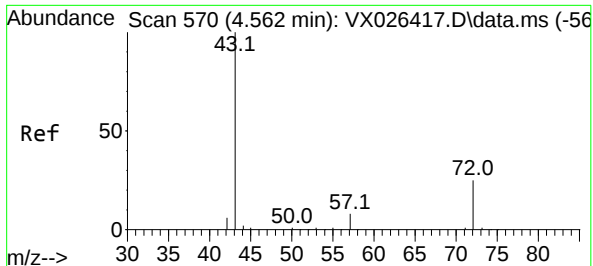
Tgt Ion: 43 Resp: 2392
Ion Ratio Lower Upper
43 100
74 18.6 18.3 27.5



#20
Methylene Chloride
Concen: 2.160 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 84 Resp: 3203
Ion Ratio Lower Upper
84 100
49 111.1 101.5 152.3
51 32.2 31.2 46.8
86 67.7 51.3 76.9

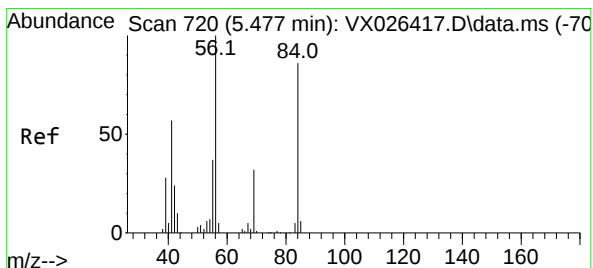
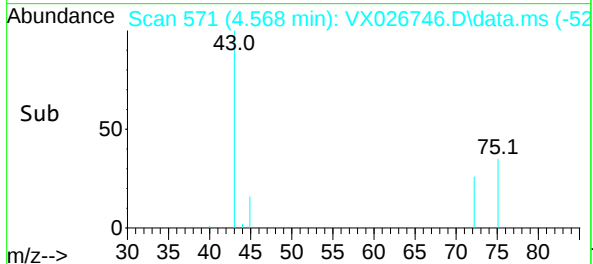
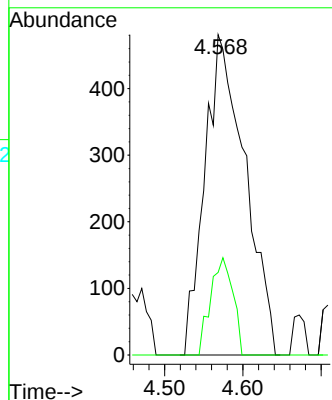
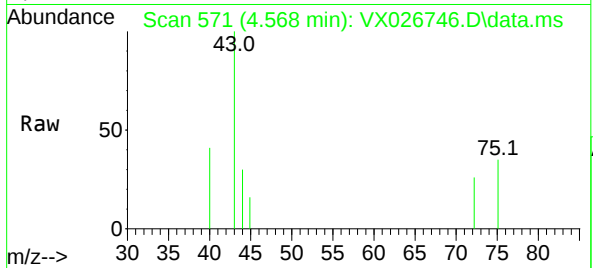




#25
2-Butanone
Concen: 1.469 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

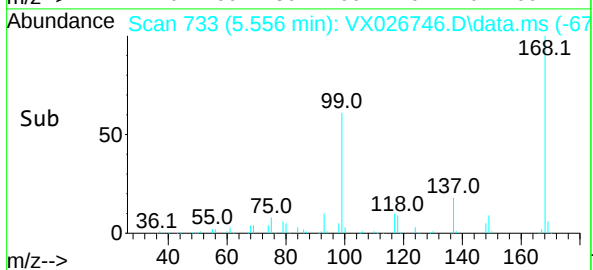
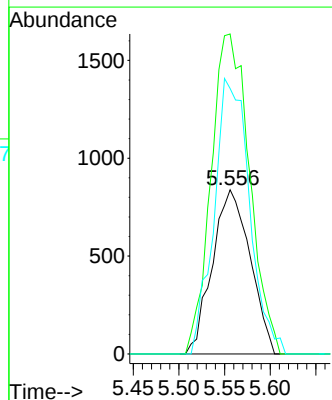
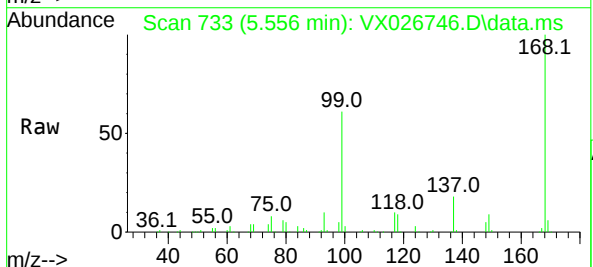
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

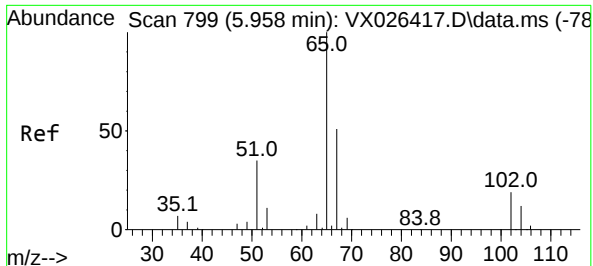
Tgt Ion: 43 Resp: 1714
Ion Ratio Lower Upper
43 100
72 25.8 20.4 30.6



#31
Cyclohexane
Concen: 0.930 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 56 Resp: 2413
Ion Ratio Lower Upper
56 100
69 194.9 25.8 38.6#
84 161.6 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 45.283 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

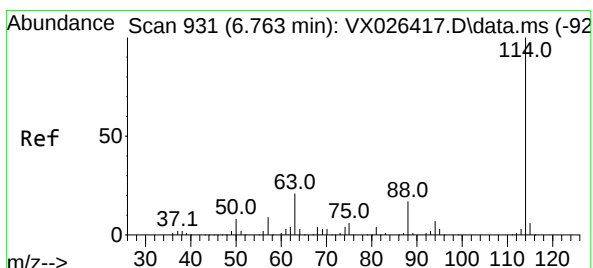
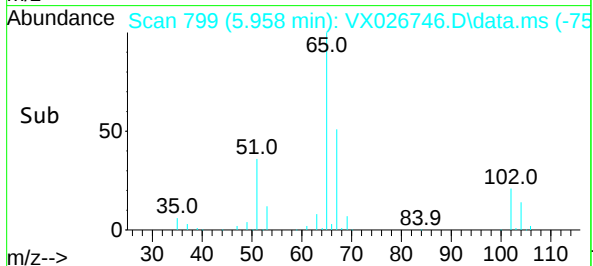
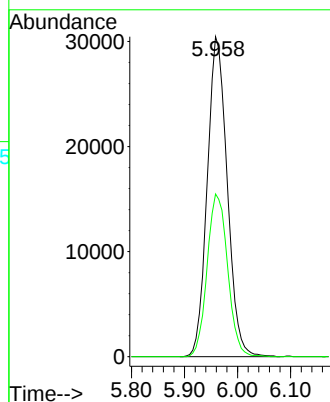
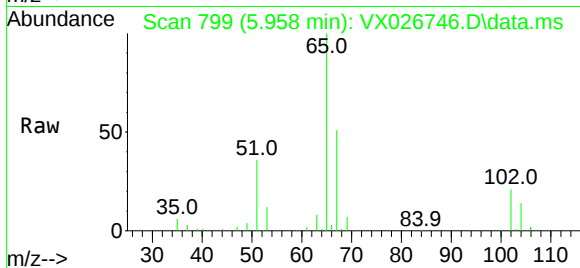
PB142421ZHE#05

Tgt Ion: 65 Resp: 79695

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

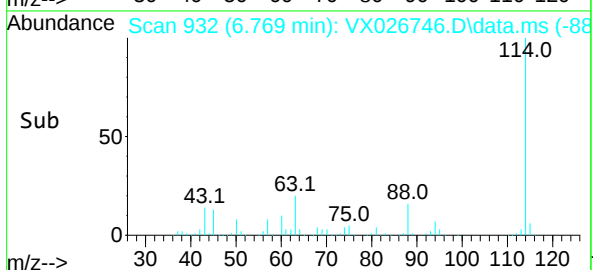
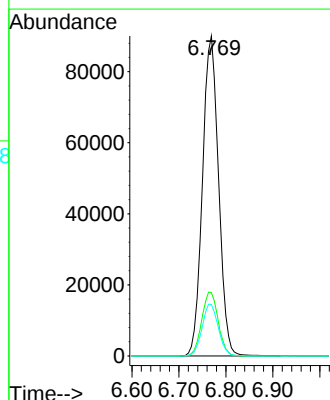
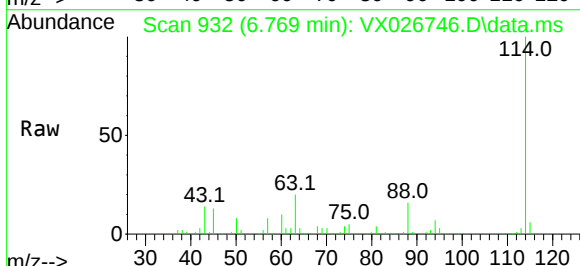
Tgt Ion: 114 Resp: 213979

Ion Ratio Lower Upper

114 100

63 19.8 0.0 42.8

88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.931 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026746.D

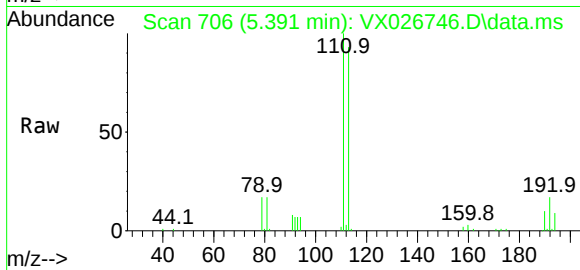
Acq: 02 Feb 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#05



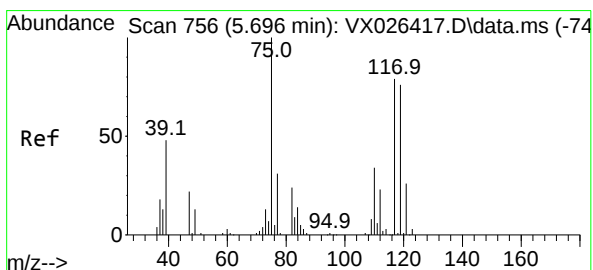
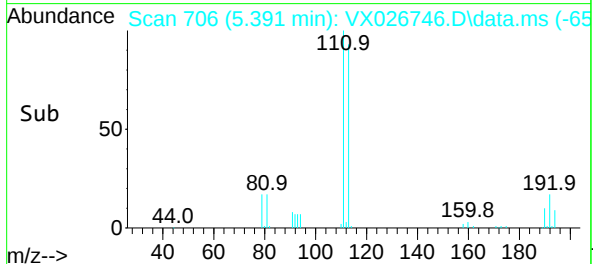
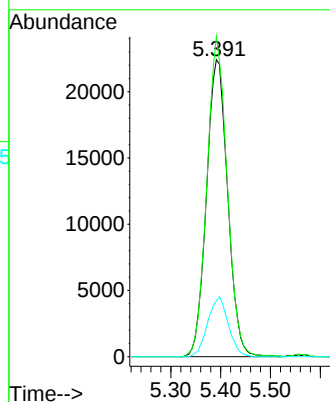
Tgt Ion:113 Resp: 66231

Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

192 19.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.303 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

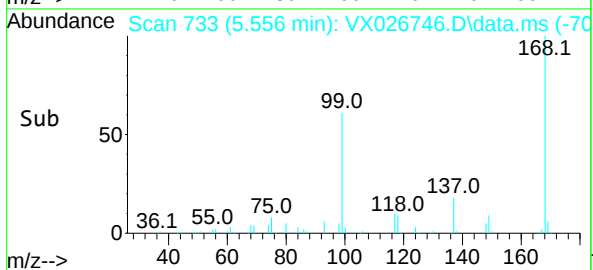
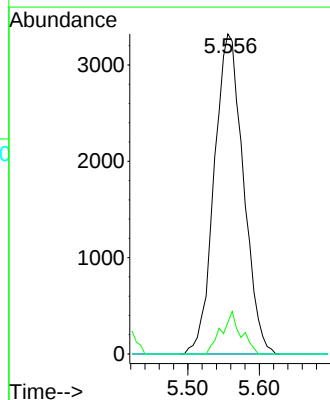
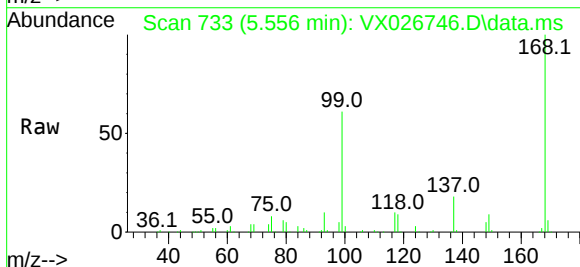
Tgt Ion: 75 Resp: 9386

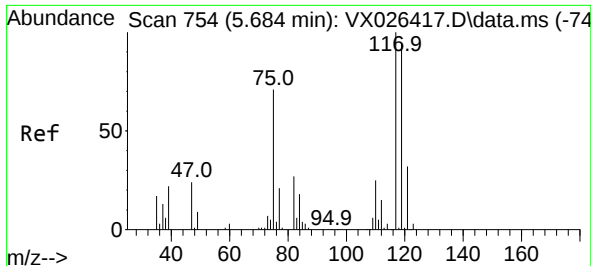
Ion Ratio Lower Upper

75 100

110 8.9 17.2 51.6#

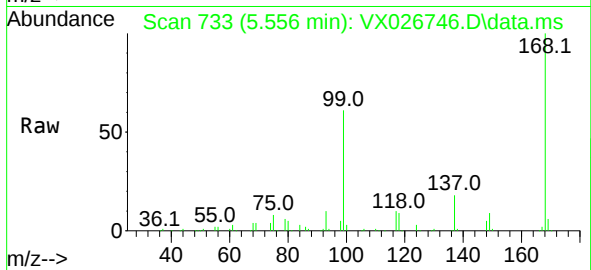
77 0.0 24.6 36.8#



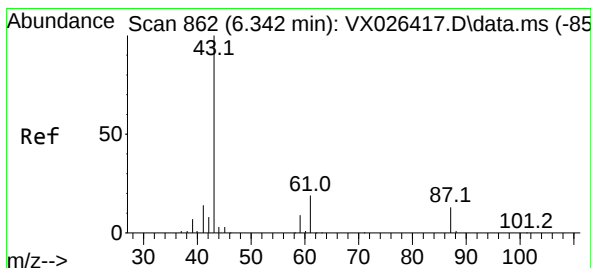
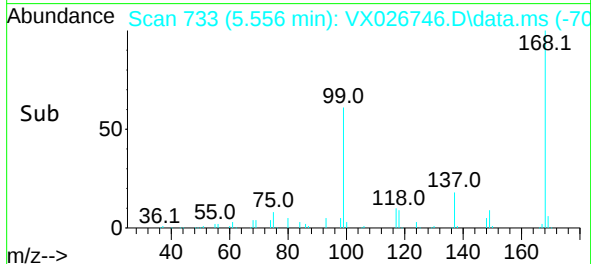
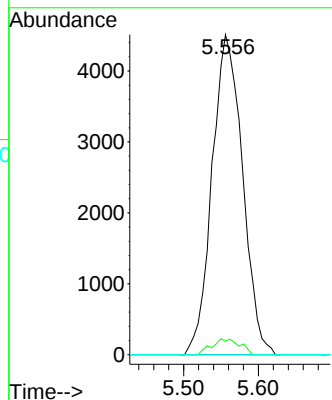


#38
Carbon Tetrachloride
Concen: 5.696 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

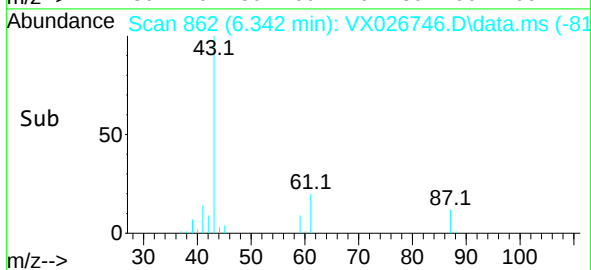
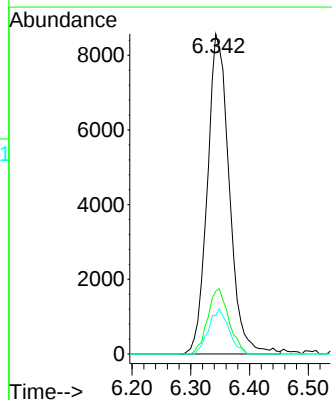
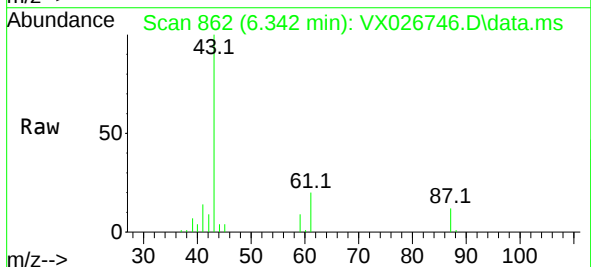


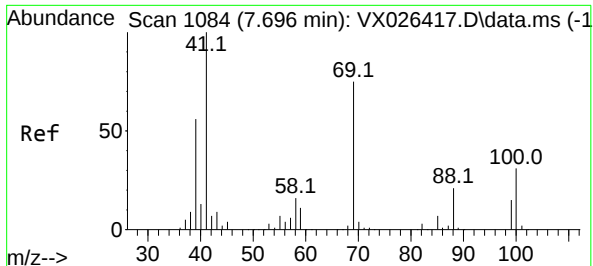
Tgt Ion:117 Resp: 12780
Ion Ratio Lower Upper
117 100
119 4.2 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 6.241 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 43 Resp: 22246
Ion Ratio Lower Upper
43 100
61 19.6 15.4 23.0
87 13.0 10.2 15.2





#48

Methyl methacrylate

Concen: 65.019 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

PB142421ZHE#05

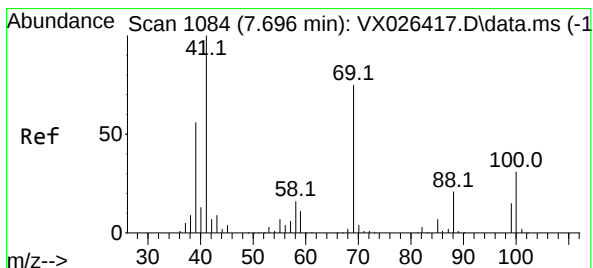
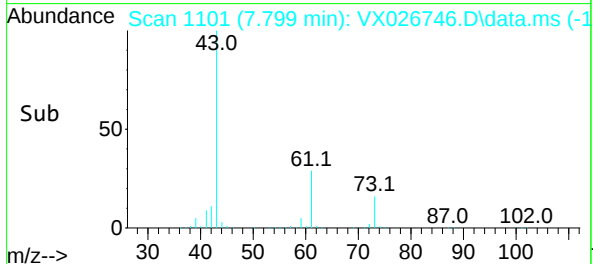
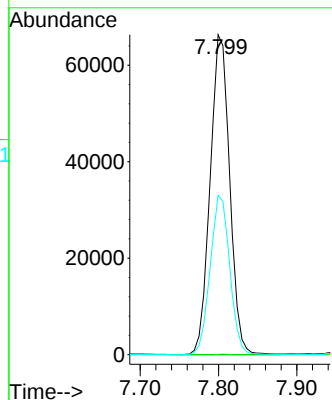
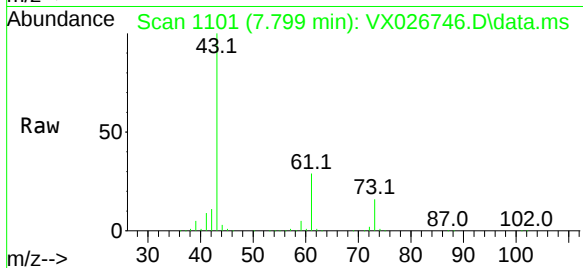
Tgt Ion: 41 Resp: 114854

Ion Ratio Lower Upper

41 100

69 0.1 62.2 93.4#

39 50.0 45.4 68.0



#49

1,4-Dioxane

Concen: 5.450 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.110 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

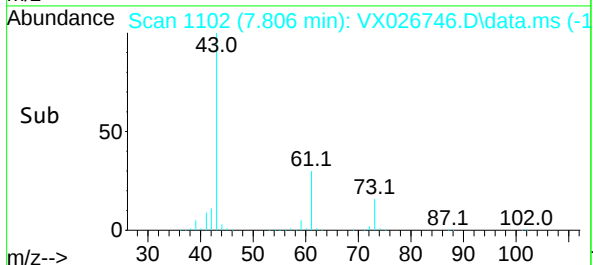
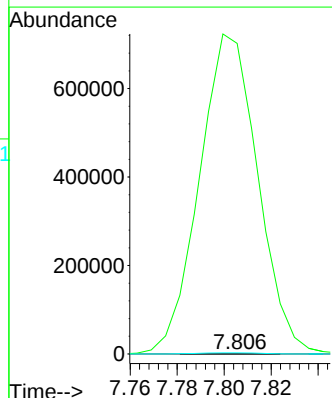
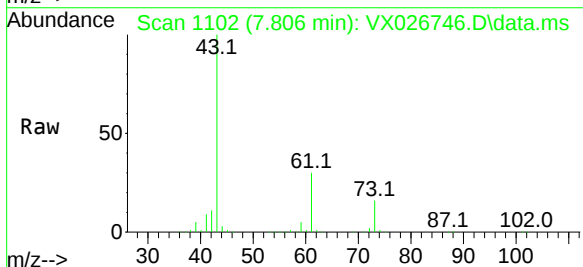
Tgt Ion: 88 Resp: 158

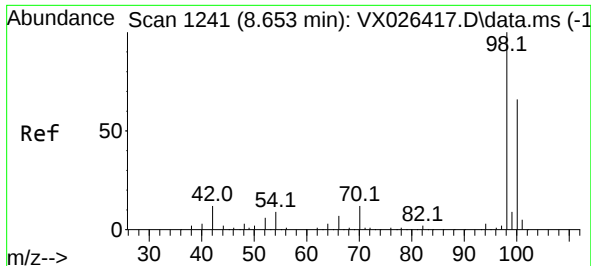
Ion Ratio Lower Upper

88 100

43 795658.2 29.9 44.9#

58 3110.1 57.8 86.6#

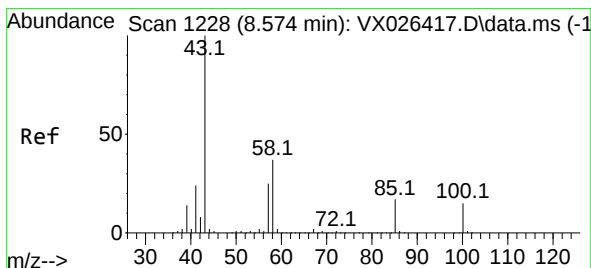
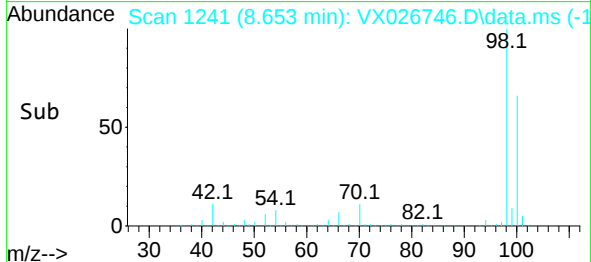
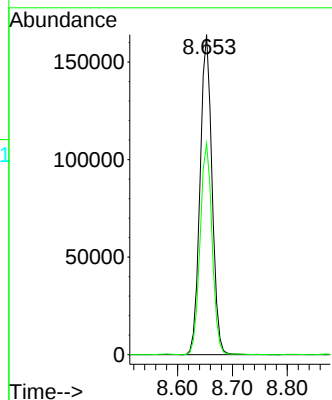
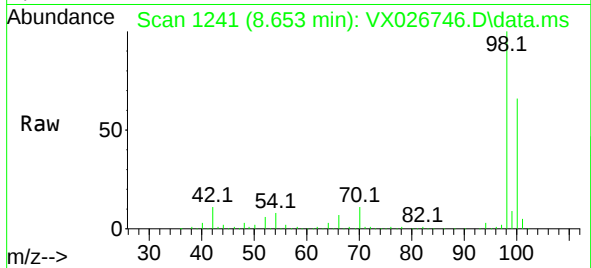




#50
Toluene-d8
Concen: 49.863 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

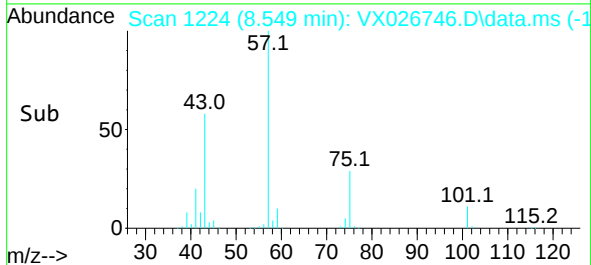
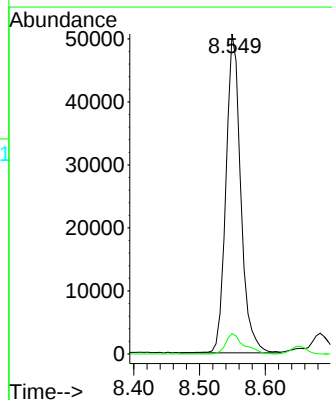
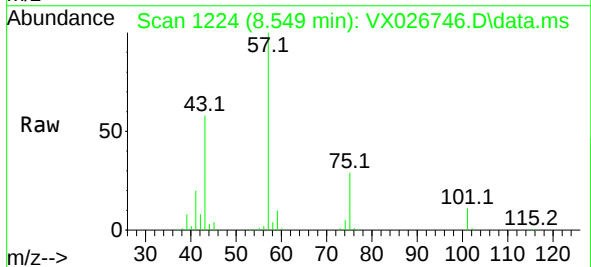
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

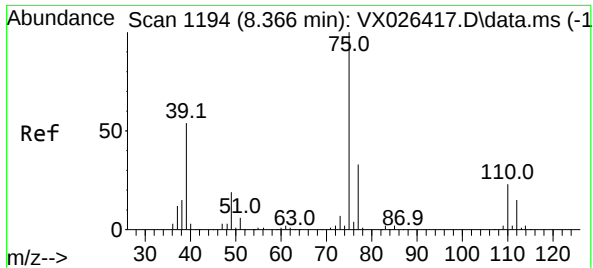
Tgt Ion: 98 Resp: 248289
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 37.511 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 43 Resp: 79307
Ion Ratio Lower Upper
43 100
58 7.7 30.5 45.7#

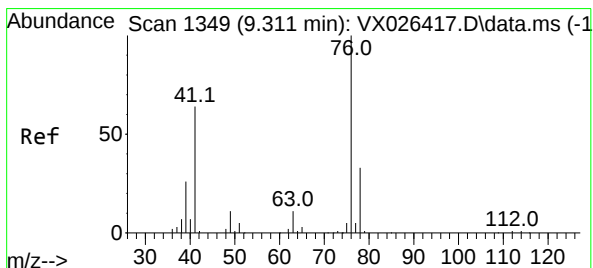
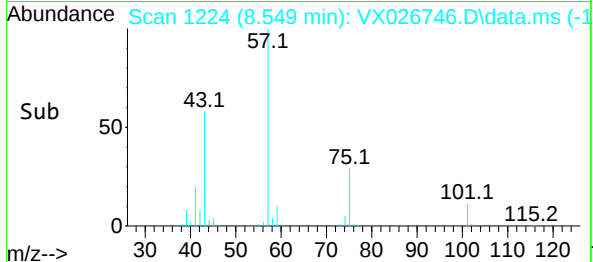
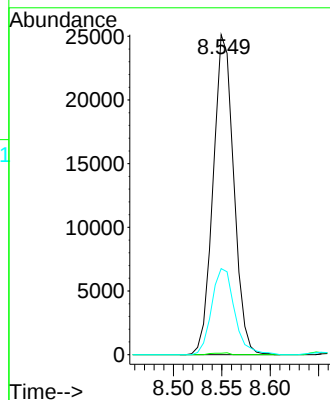
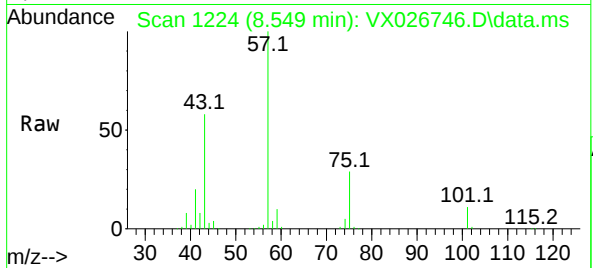




#54
 cis-1,3-Dichloropropene
 Concen: 16.167 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026746.D
 Acq: 02 Feb 2022 18:53

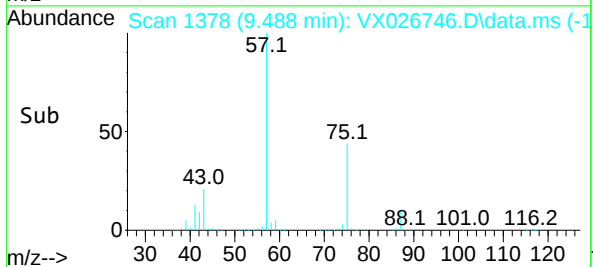
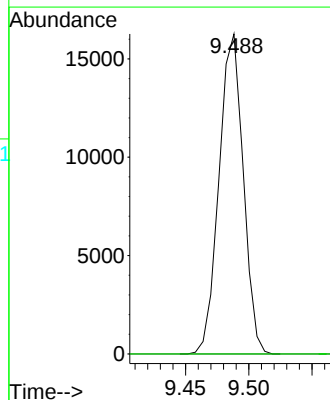
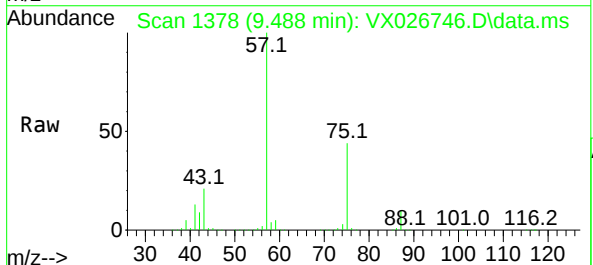
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#05

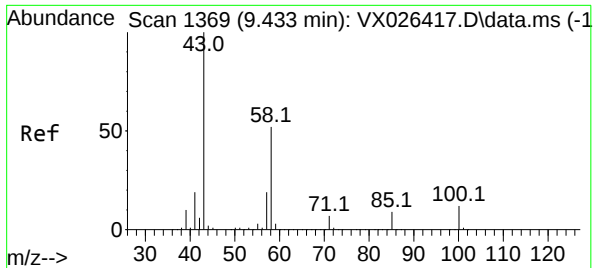
Tgt Ion: 75 Resp: 37223
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 26.9 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 8.658 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026746.D
 Acq: 02 Feb 2022 18:53

Tgt Ion: 76 Resp: 21658
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

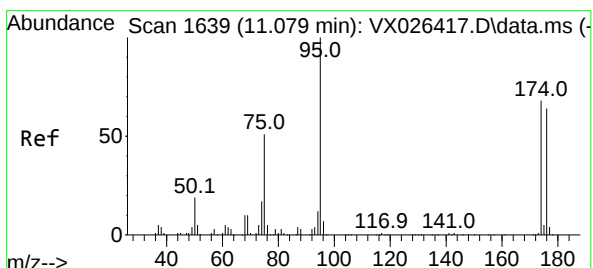
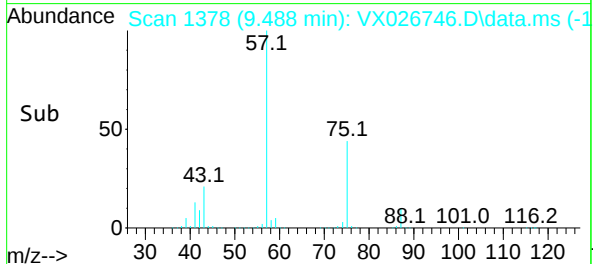
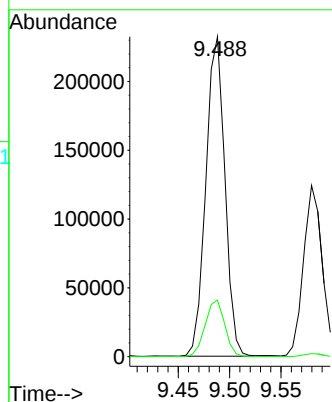
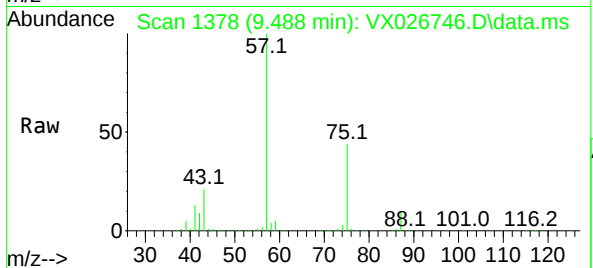




#59
2-Hexanone
Concen: 185.673 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

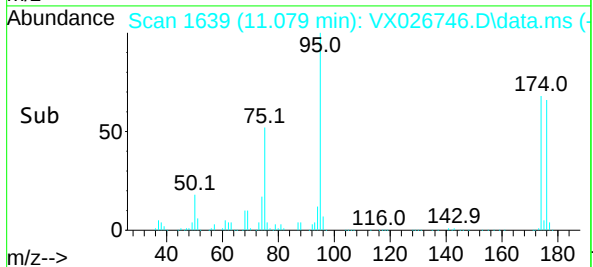
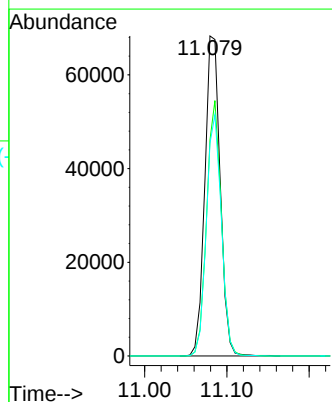
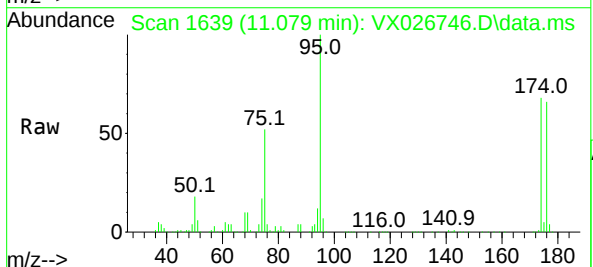
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

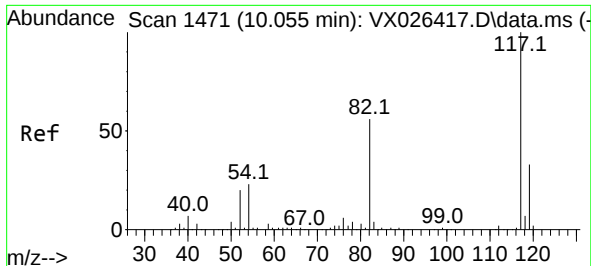
Tgt Ion: 43 Resp: 300449
Ion Ratio Lower Upper
43 100
58 18.2 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 50.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion: 95 Resp: 88814
Ion Ratio Lower Upper
95 100
174 75.8 0.0 148.6
176 73.4 0.0 141.4

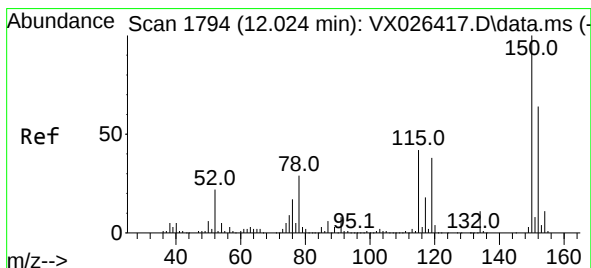
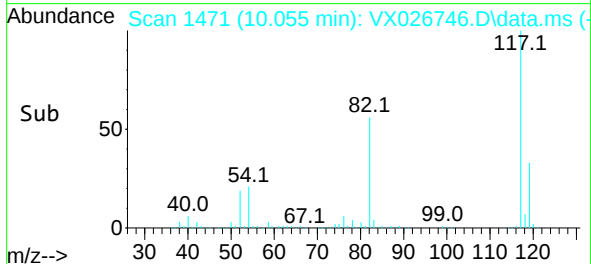
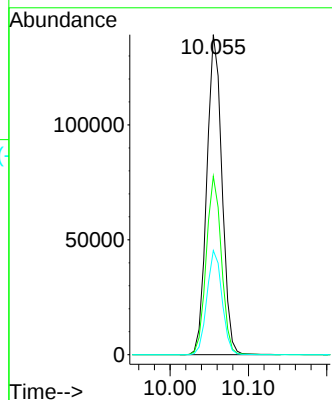
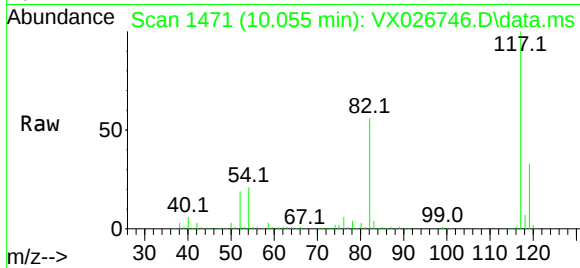




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

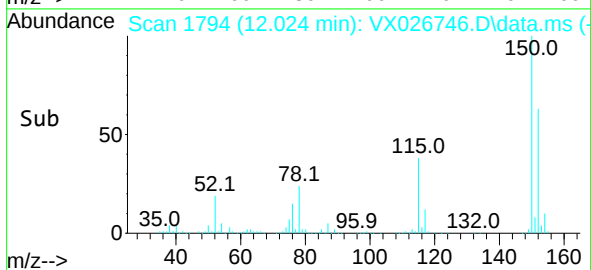
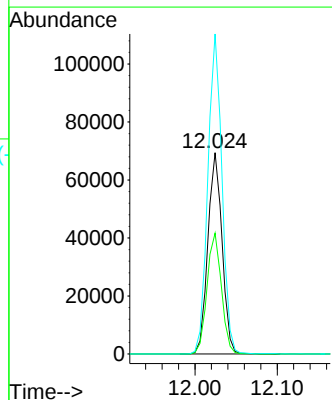
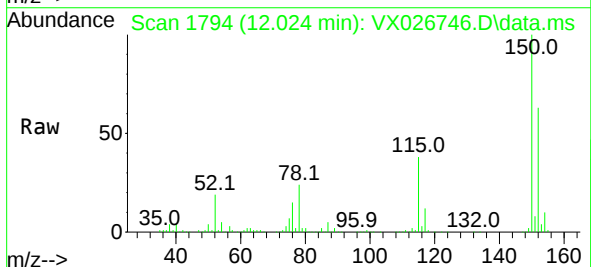
Instrument :
MSVOA_X
ClientSampleId :
PB142421ZHE#05

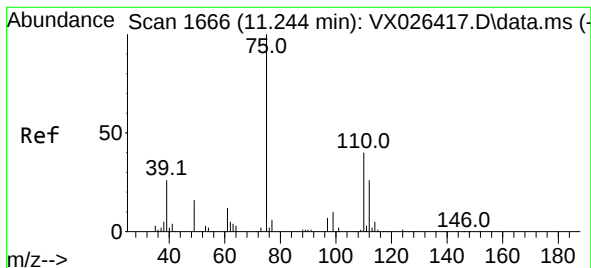
Tgt Ion:117 Resp: 186444
Ion Ratio Lower Upper
117 100
82 55.8 45.2 67.8
119 32.5 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026746.D
Acq: 02 Feb 2022 18:53

Tgt Ion:152 Resp: 83270
Ion Ratio Lower Upper
152 100
115 60.6 44.2 132.6
150 157.7 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 24.054 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.164 min

Lab File: VX026746.D

Acq: 02 Feb 2022 18:53

Instrument :

MSVOA_X

ClientSampleId :

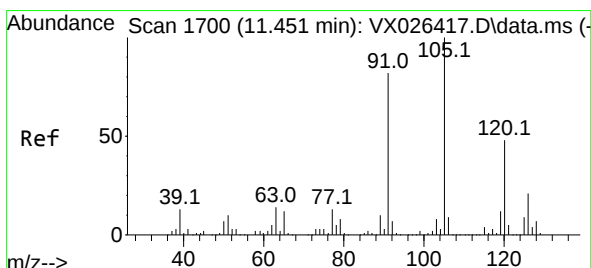
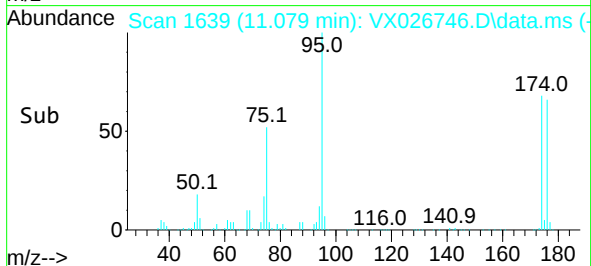
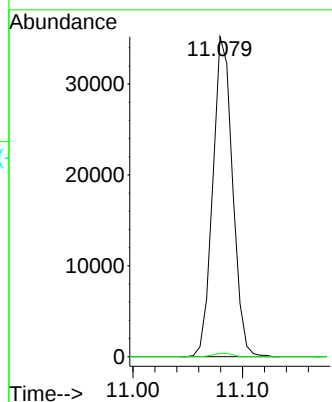
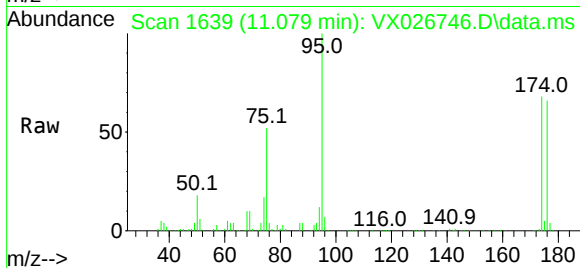
PB142421ZHE#05

Tgt Ion: 75 Resp: 44101

Ion Ratio Lower Upper

75 100

77 1.0 18.3 54.8#



#80

1,3,5-Trimethylbenzene

Concen: 0.284 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX026746.D

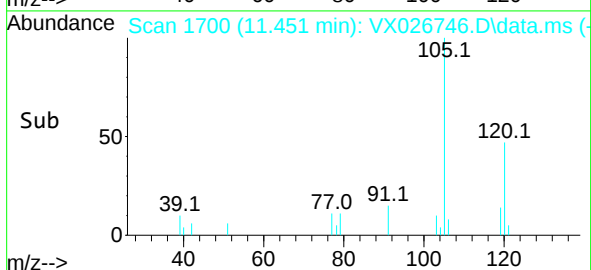
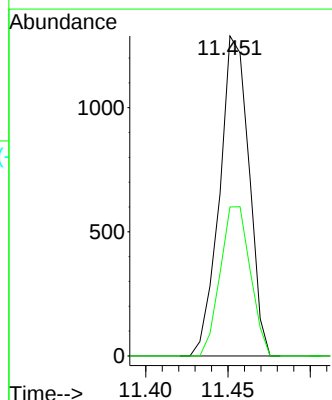
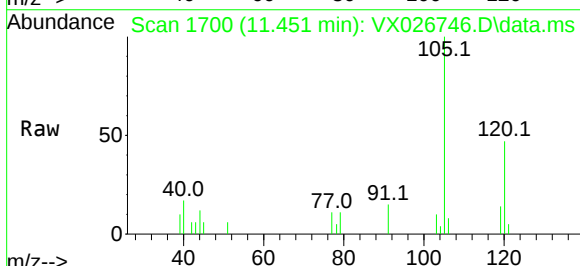
Acq: 02 Feb 2022 18:53

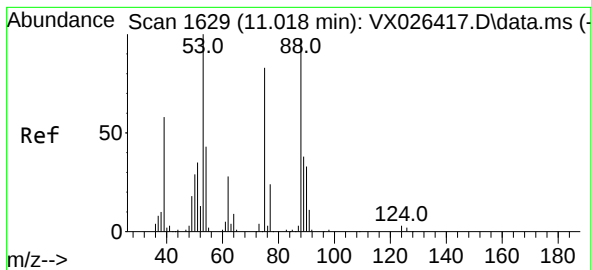
Tgt Ion:105 Resp: 1597

Ion Ratio Lower Upper

105 100

120 47.7 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.303 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026746.D
 Acq: 02 Feb 2022 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142421ZHE#05

Tgt Ion: 75 Resp: 44101
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

