

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026849.D
 Acq On : 09 Feb 2022 02:25
 Operator : JC/MD
 Sample : PB142539ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#02

Quant Time: Feb 09 05:20:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

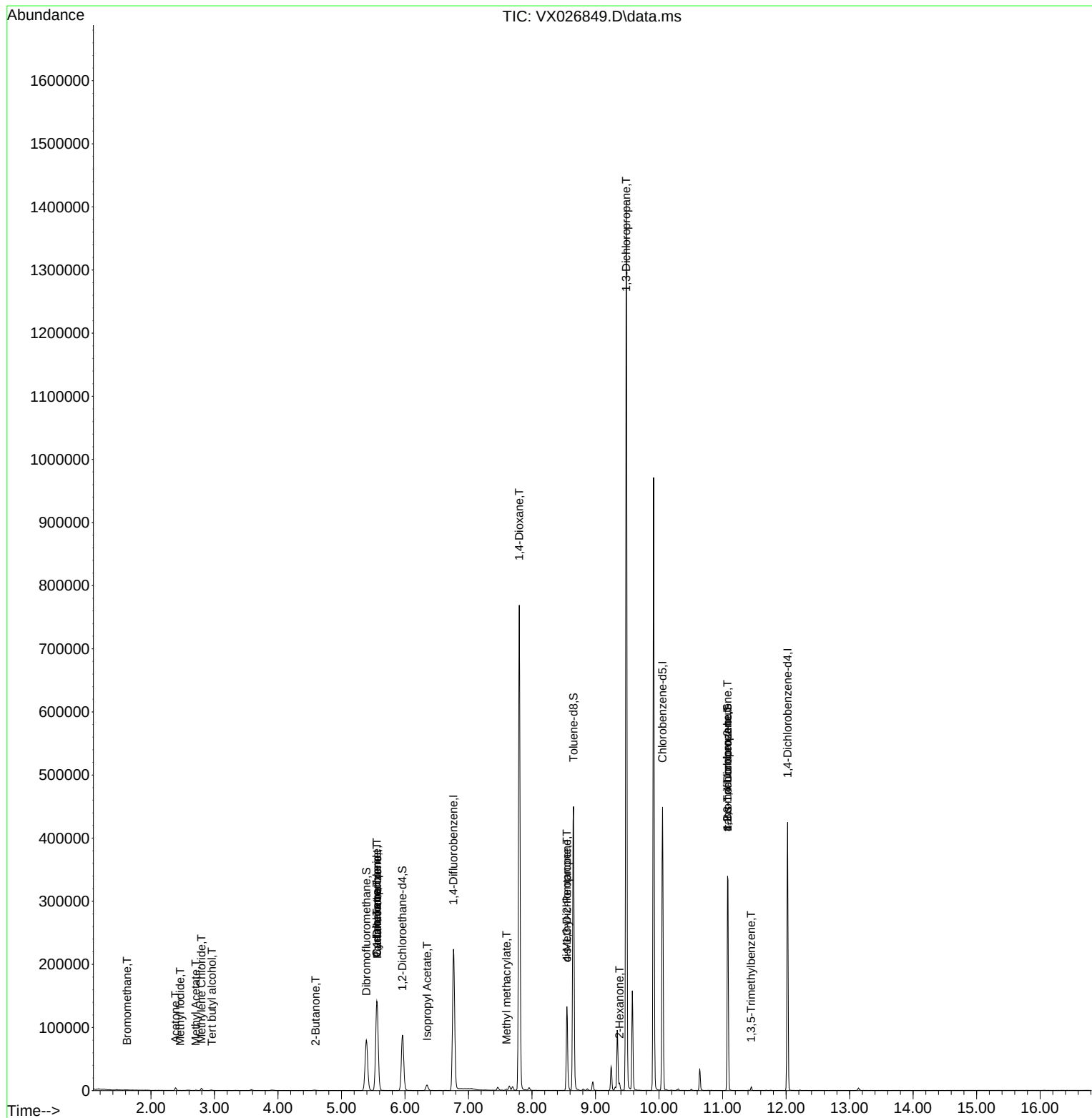
Internal Standards						
1) Pentafluorobenzene	5.562	168	135396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	227693	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87241	53.677	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.360%	
35) Dibromofluoromethane	5.391	113	71331	52.583	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.160%	
50) Toluene-d8	8.653	98	265629	53.344	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.680%	
62) 4-Bromofluorobenzene	11.079	95	95950	54.731	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 109.460%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	176	0.289	ug/l	99
6) Chloroethane	1.703	64	22	Below Cal	#	43
10) Methyl Iodide	2.459	142	62	2.285	ug/l #	37
11) Tert butyl alcohol	2.959	59	544	1.853	ug/l #	75
16) Acetone	2.386	43	4995	6.997	ug/l	93
18) Methyl Acetate	2.703	43	716	0.349	ug/l	99
20) Methylene Chloride	2.794	84	1599	1.034	ug/l	87
25) 2-Butanone	4.593	43	949	0.825	ug/l #	87
31) Cyclohexane	5.556	56	2706	1.048	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10286	4.806	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14074	6.271	ug/l #	17
43) Isopropyl Acetate	6.348	43	12355	3.302	ug/l	99
48) Methyl methacrylate	7.598	41	3344	1.804	ug/l #	16
49) 1,4-Dioxane	7.799	88	41	1.283	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	45289	19.972	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	21501	9.312	ug/l #	56
57) 1,3-Dichloropropane	9.482	76	12430	4.842	ug/l #	43
59) 2-Hexanone	9.378	43	5788	3.490	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	46778	24.593	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2610	0.463	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	46778	75.070	ug/l #	3

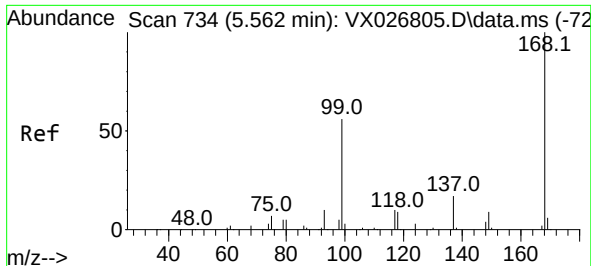
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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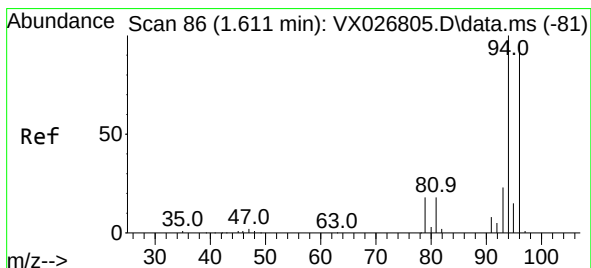
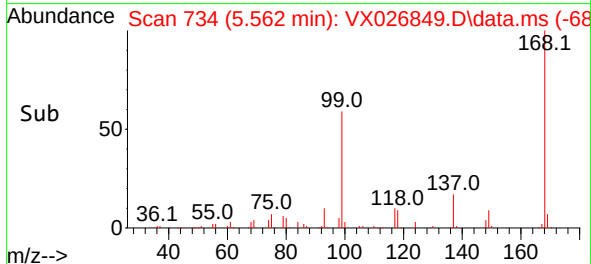
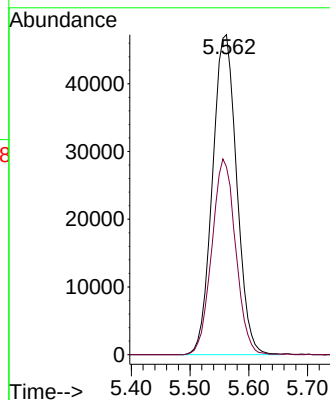
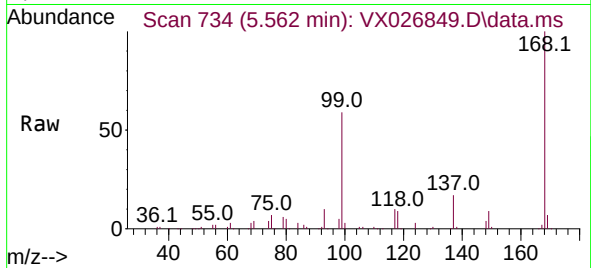




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

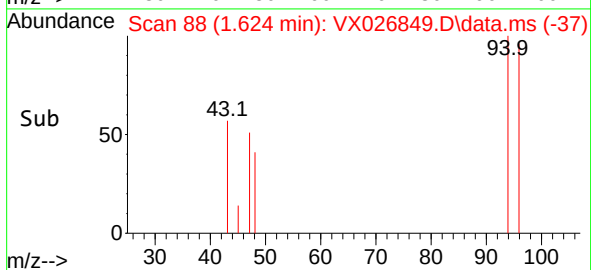
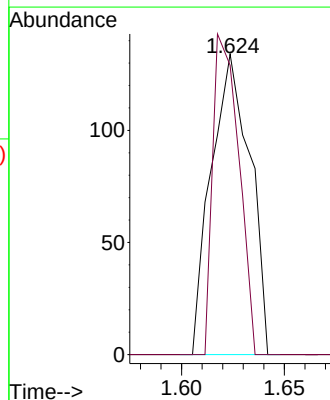
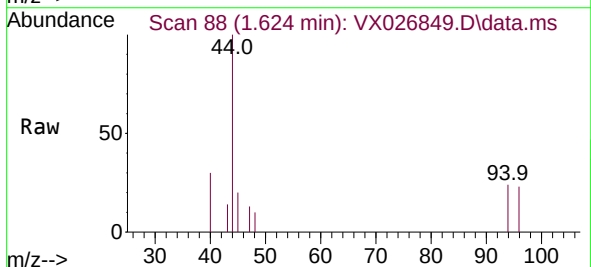
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

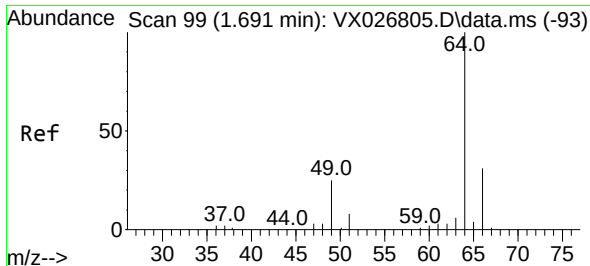
Tgt Ion:168 Resp: 135396
Ion Ratio Lower Upper
168 100
99 58.7 50.3 75.5



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 94 Resp: 176
Ion Ratio Lower Upper
94 100
96 96.3 75.9 113.9

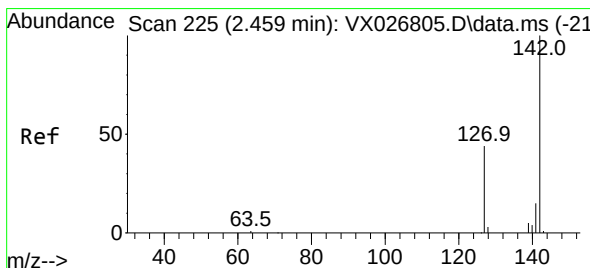
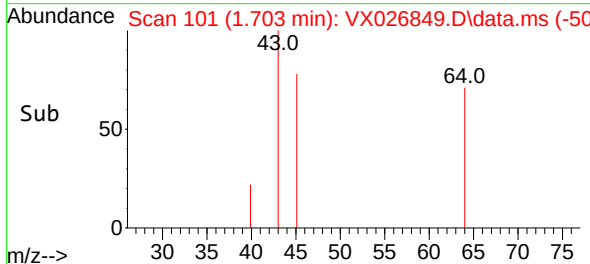
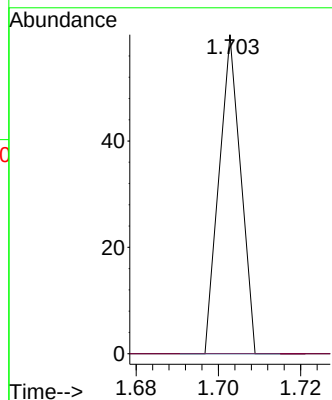
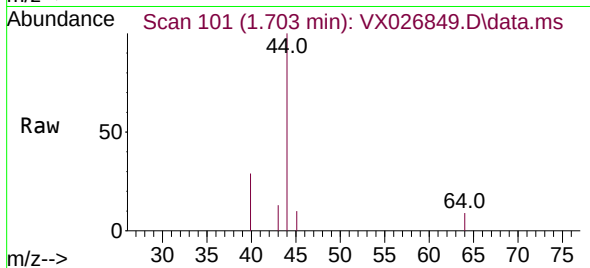




#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

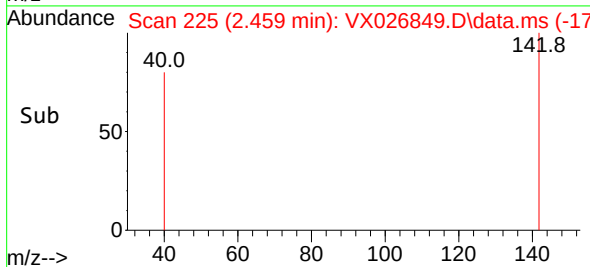
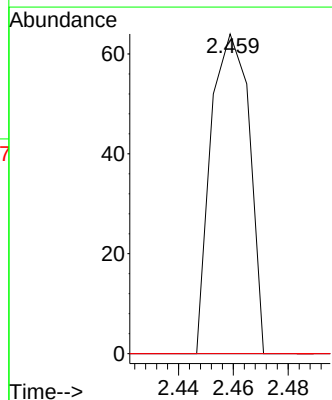
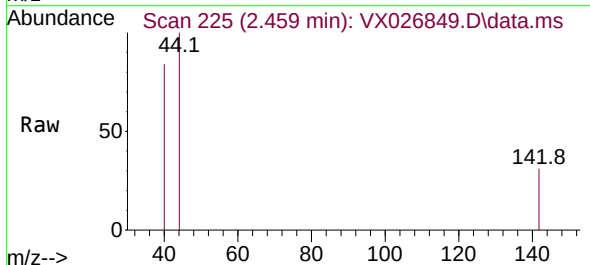
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

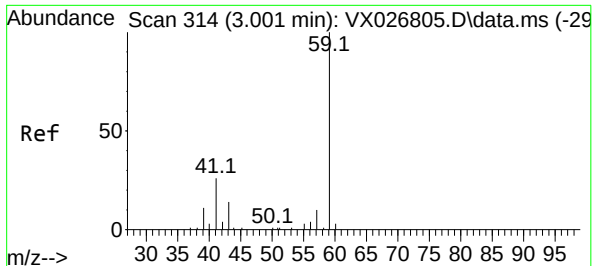
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#10
Methyl Iodide
Concen: 2.285 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 142 Resp: 62
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: 1.853 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.042 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

Instrument :

MSVOA_X

ClientSampleId :

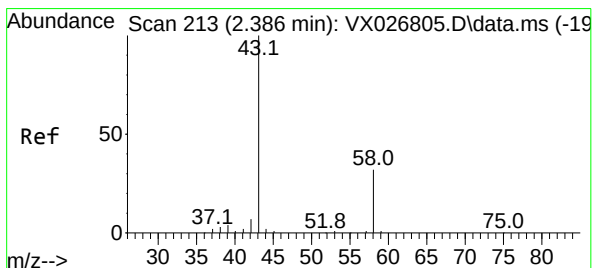
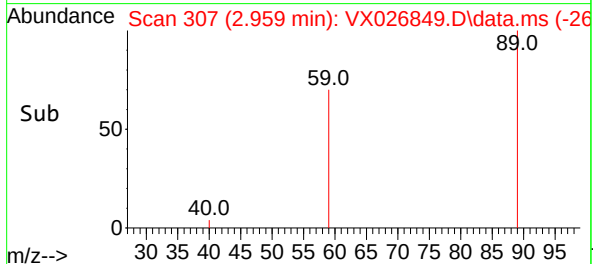
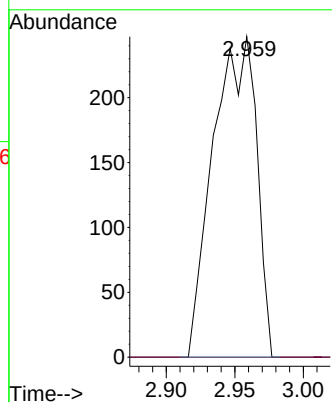
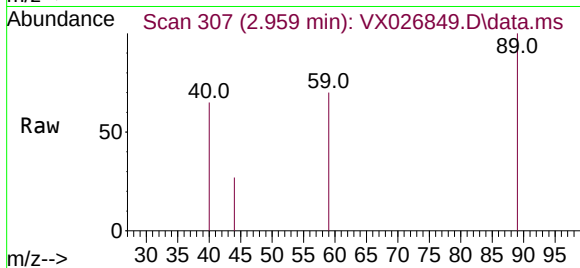
PB142539ZHE#02

Tgt Ion: 59 Resp: 544

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 6.997 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX026849.D

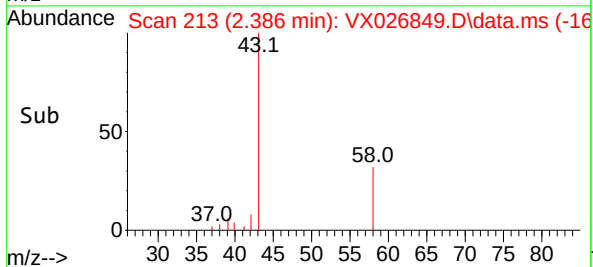
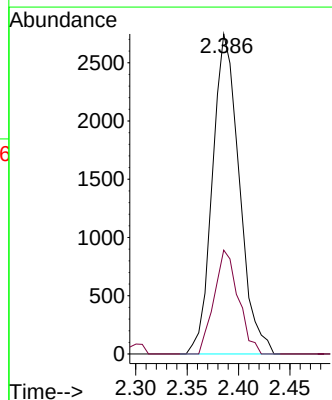
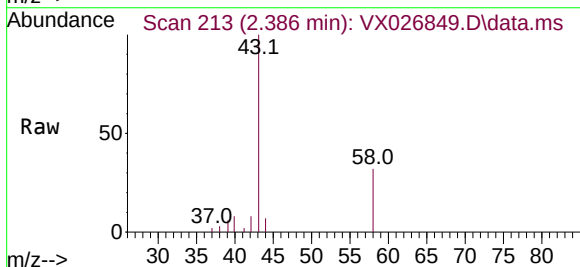
Acq: 09 Feb 2022 02:25

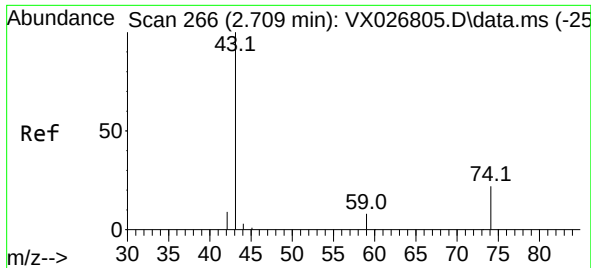
Tgt Ion: 43 Resp: 4995

Ion Ratio Lower Upper

43 100

58 32.5 23.0 34.6

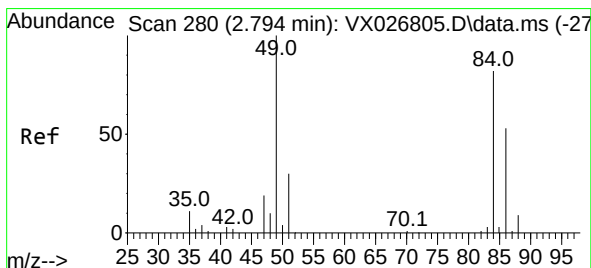
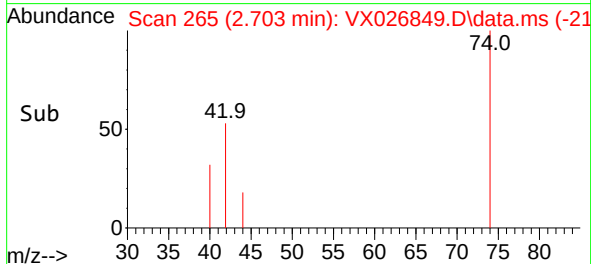
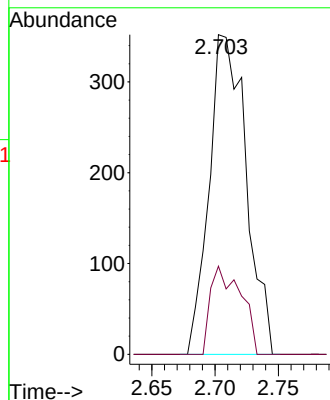
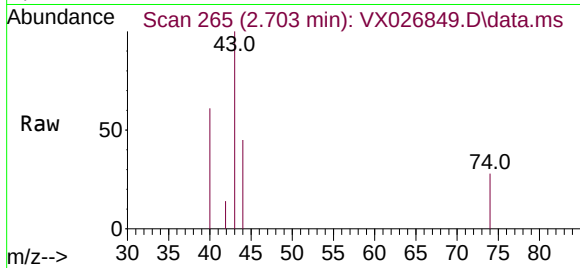




#18
Methyl Acetate
Concen: 0.349 ug/l
RT: 2.703 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

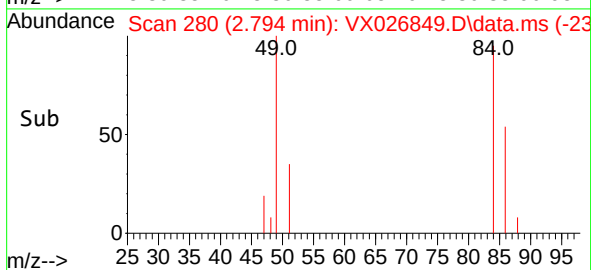
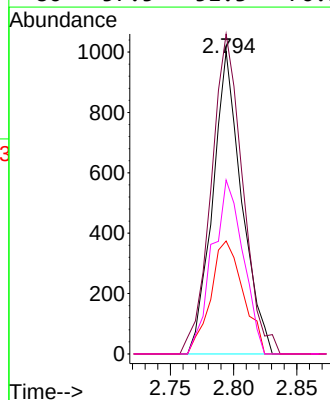
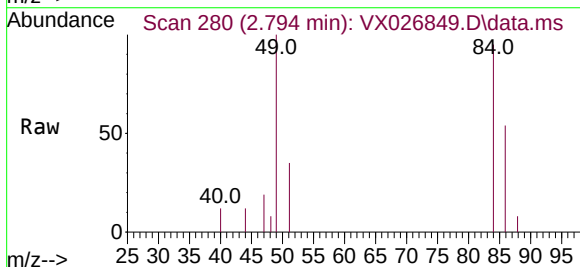
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

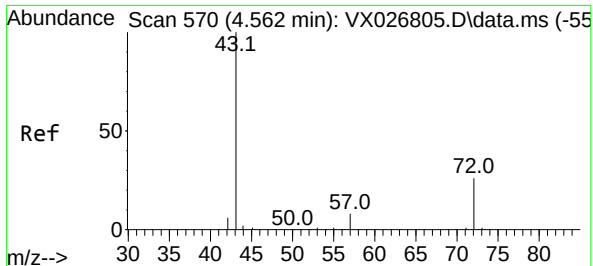
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
74 22.6 18.3 27.5



#20
Methylene Chloride
Concen: 1.034 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 84 Resp: 1599
Ion Ratio Lower Upper
84 100
49 105.8 101.5 152.3
51 37.3 31.2 46.8
86 57.5 51.3 76.9





#25

2-Butanone

Concen: 0.825 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.030 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

Instrument :

MSVOA_X

ClientSampleId :

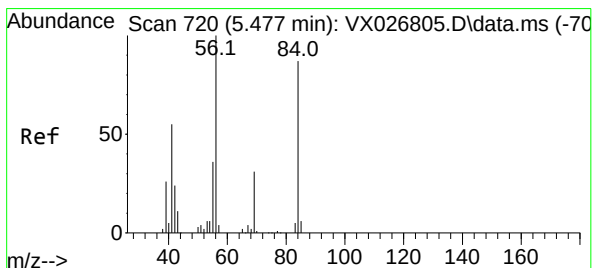
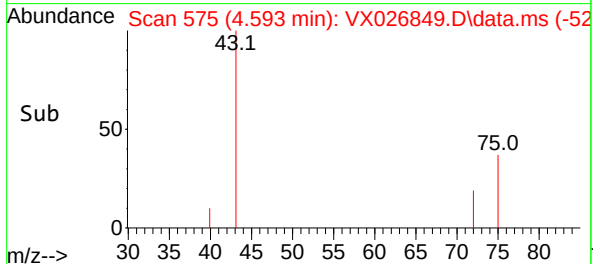
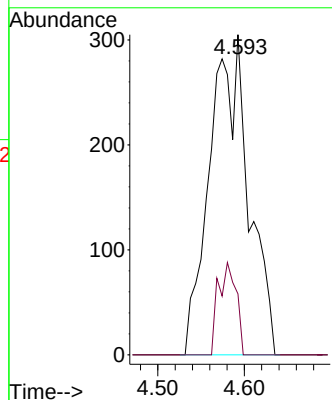
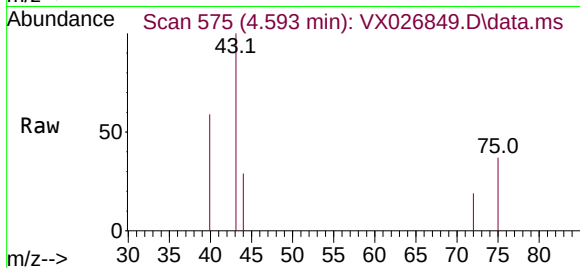
PB142539ZHE#02

Tgt Ion: 43 Resp: 949

Ion Ratio Lower Upper

43 100

72 19.0 20.4 30.6#



#31

Cyclohexane

Concen: 1.048 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

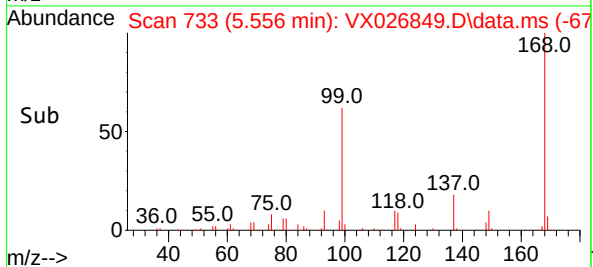
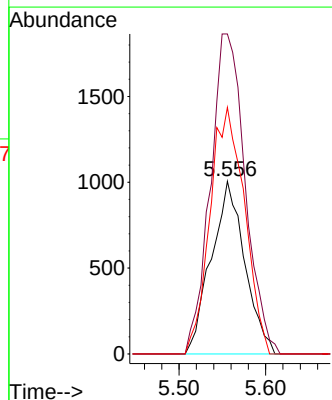
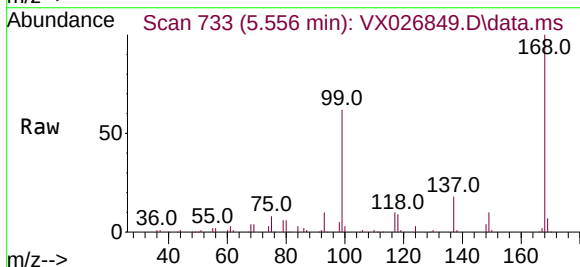
Tgt Ion: 56 Resp: 2706

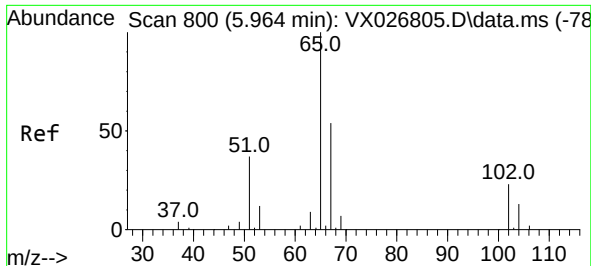
Ion Ratio Lower Upper

56 100

69 185.3 25.8 38.6#

84 142.7 68.9 103.3#

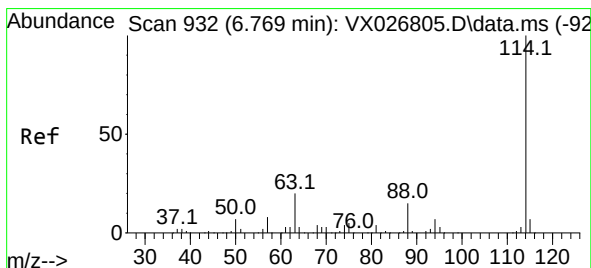
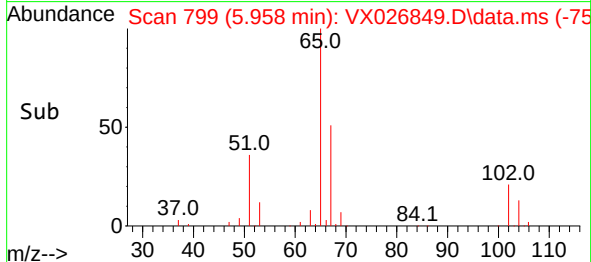
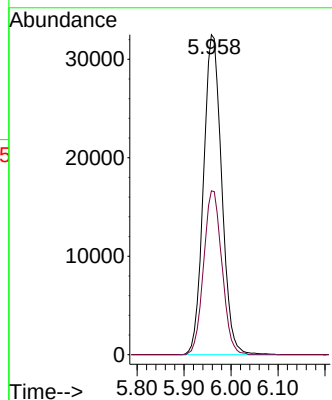
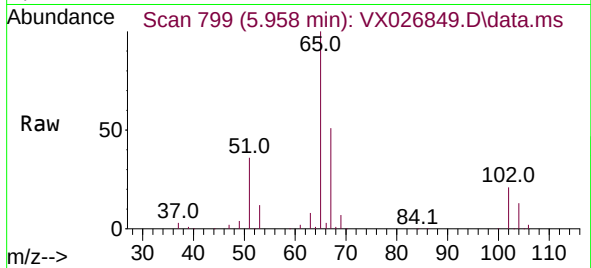




#33
 1,2-Dichloroethane-d4
 Concen: 53.677 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX026849.D
 Acq: 09 Feb 2022 02:25

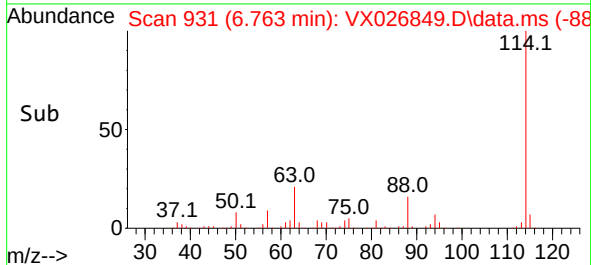
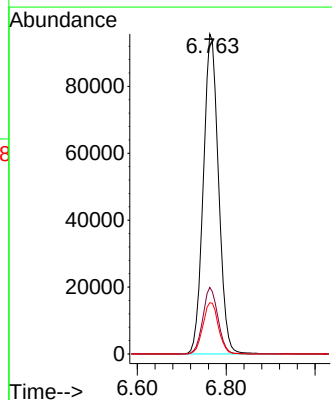
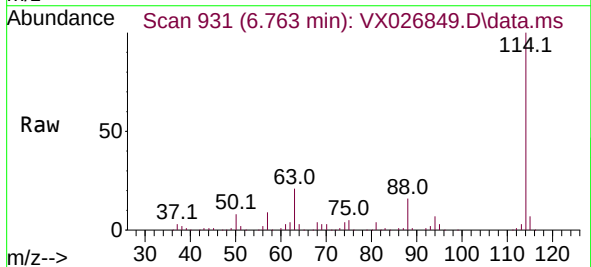
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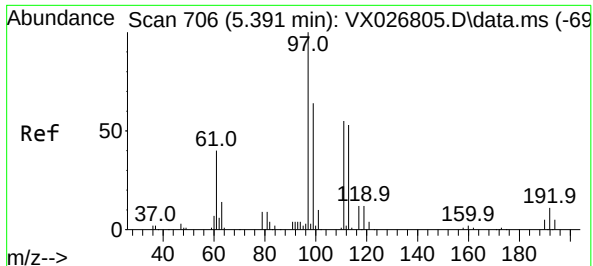
Tgt Ion: 65 Resp: 87241
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.006 min
 Lab File: VX026849.D
 Acq: 09 Feb 2022 02:25

Tgt Ion: 114 Resp: 227693
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 42.8
 88 16.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.583 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026849.D

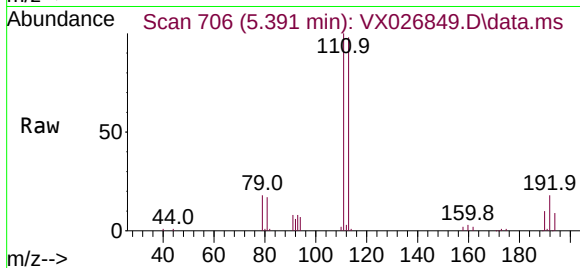
Acq: 09 Feb 2022 02:25

Instrument :

MSVOA_X

ClientSampleId :

PB142539ZHE#02



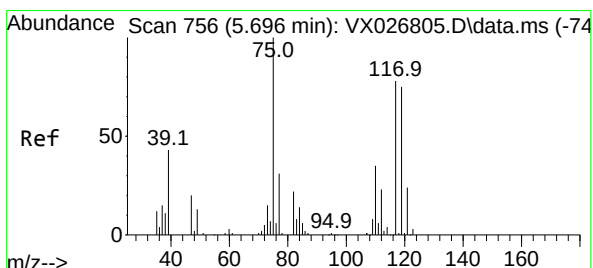
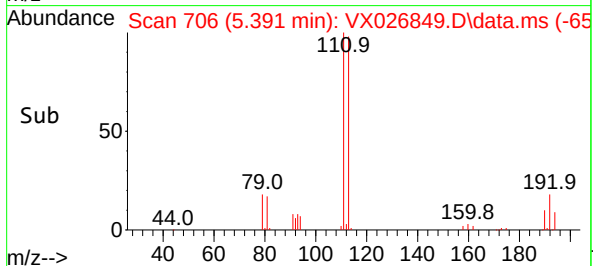
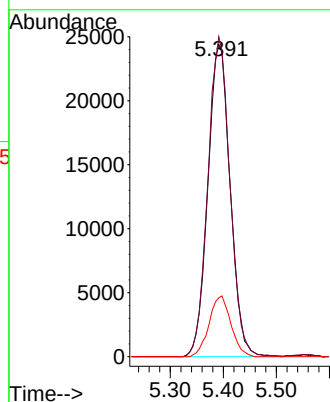
Tgt Ion:113 Resp: 71331

Ion Ratio Lower Upper

113 100

111 101.6 81.2 121.8

192 19.0 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.806 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

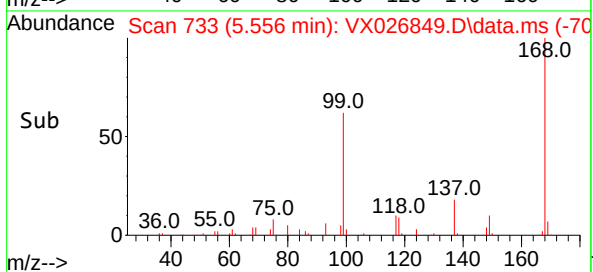
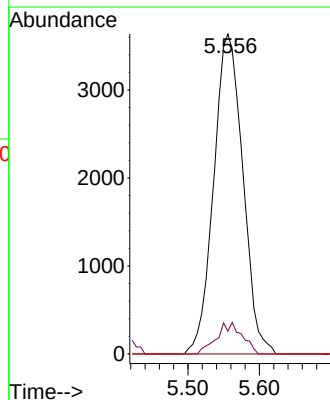
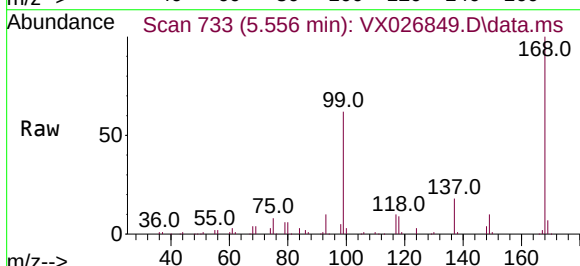
Tgt Ion: 75 Resp: 10286

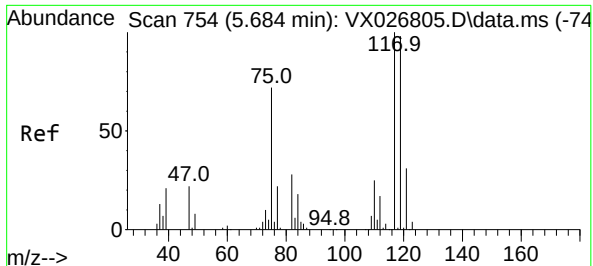
Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

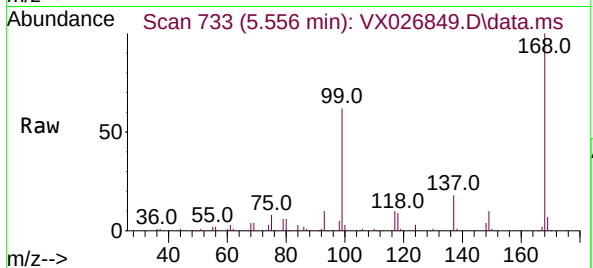
77 0.0 24.6 36.8#



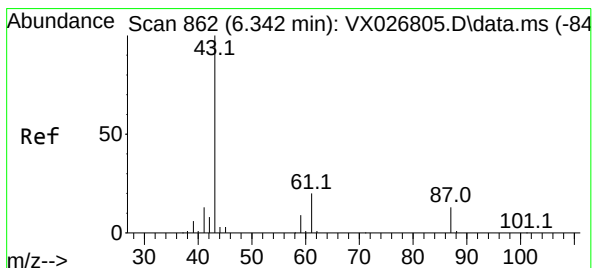
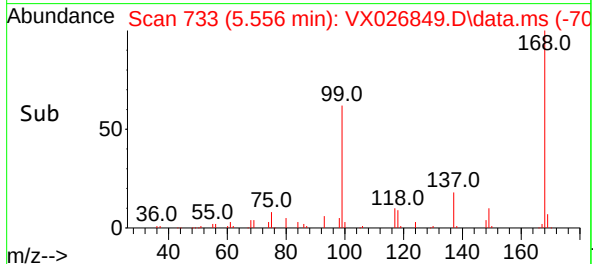
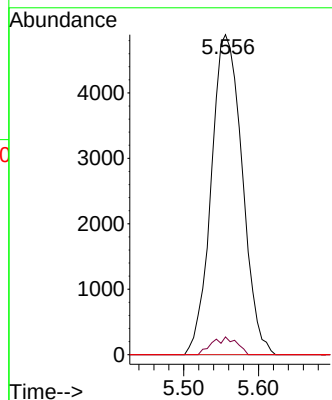


#38
Carbon Tetrachloride
Concen: 6.271 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

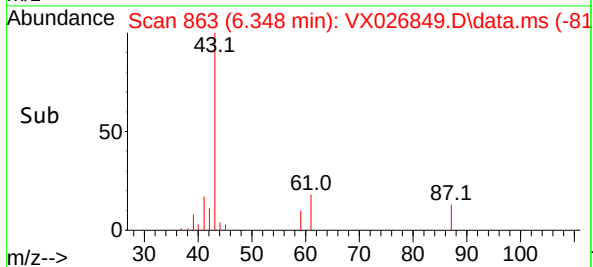
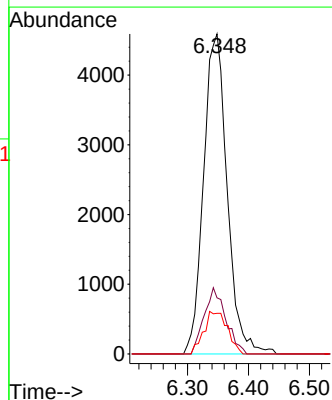
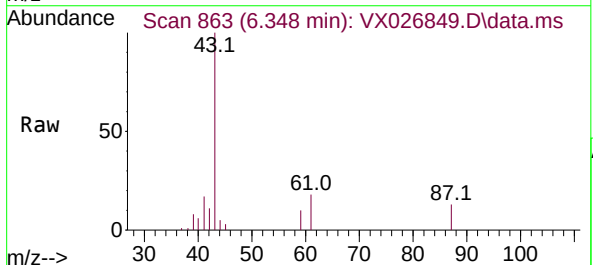


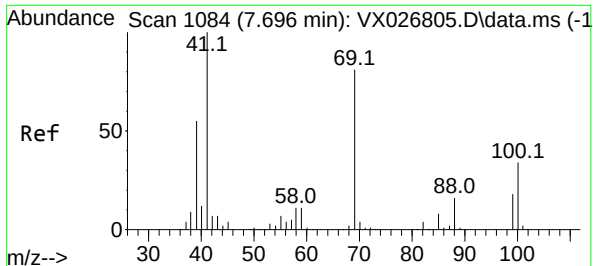
Tgt Ion:117 Resp: 14074
Ion Ratio Lower Upper
117 100
119 5.5 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 3.302 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 43 Resp: 12355
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0
87 13.2 10.2 15.2





#48

Methyl methacrylate

Concen: 1.804 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

Instrument :

MSVOA_X

ClientSampleId :

PB142539ZHE#02

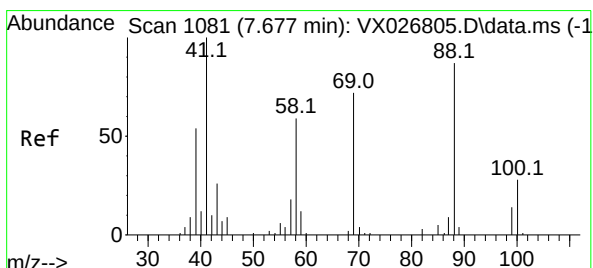
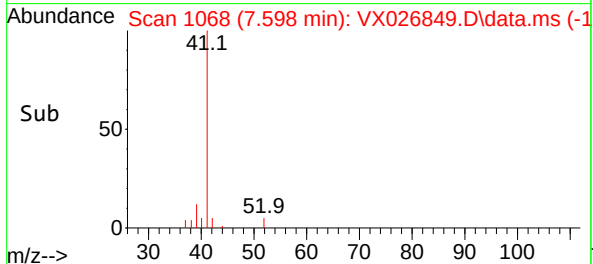
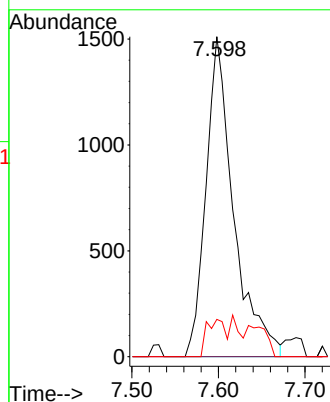
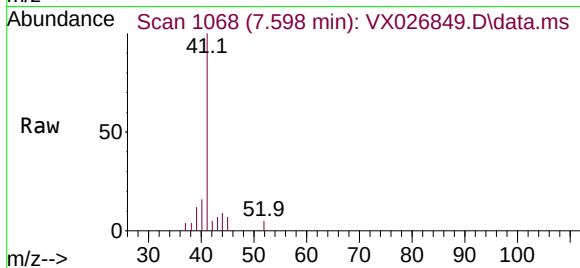
Tgt Ion: 41 Resp: 3344

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: 1.283 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

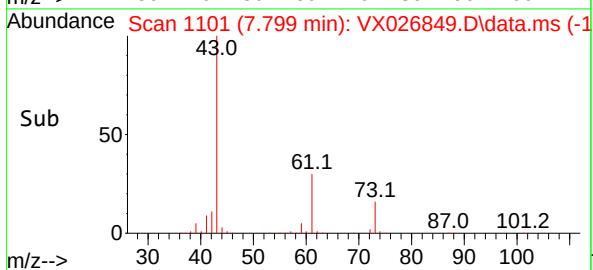
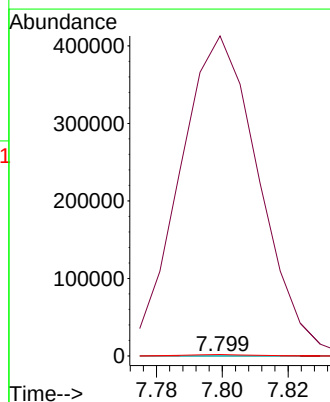
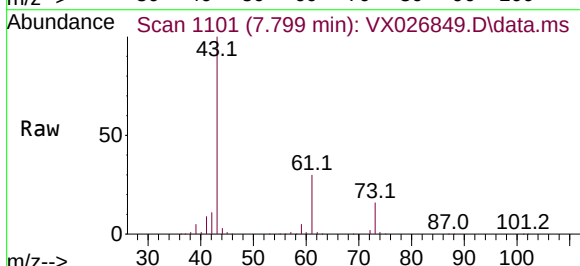
Tgt Ion: 88 Resp: 41

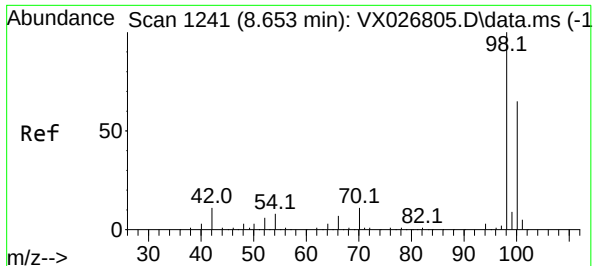
Ion Ratio Lower Upper

88 100

43 1720812.2 29.9 44.9#

58 6600.0 57.8 86.6#

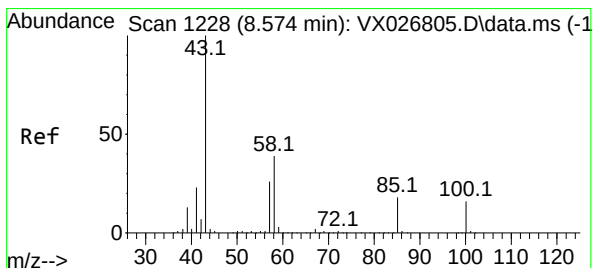
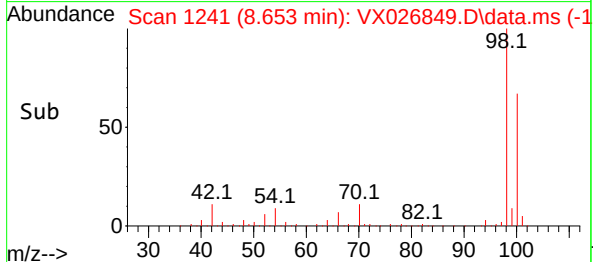
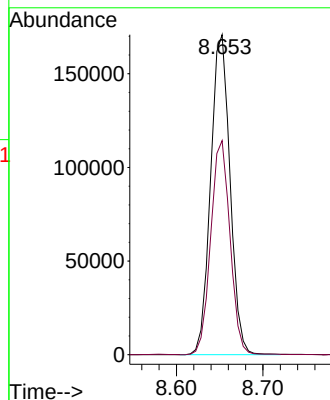
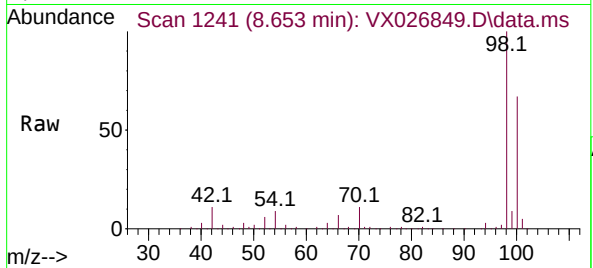




#50
Toluene-d8
Concen: 53.344 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

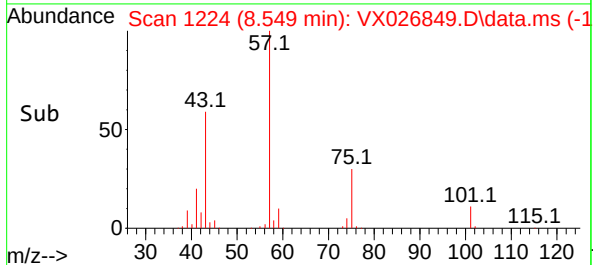
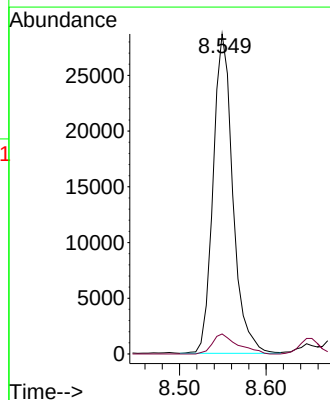
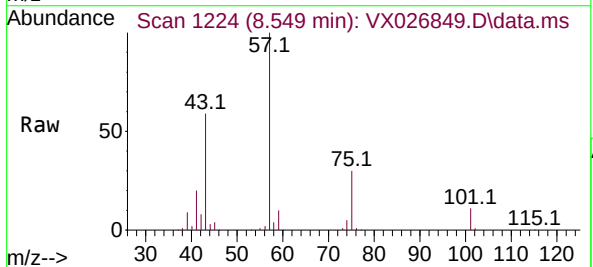
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

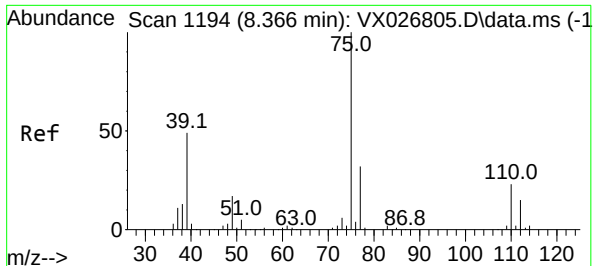
Tgt Ion: 98 Resp: 265629
Ion Ratio Lower Upper
98 100
100 66.6 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 19.972 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 43 Resp: 45289
Ion Ratio Lower Upper
43 100
58 8.0 30.5 45.7#

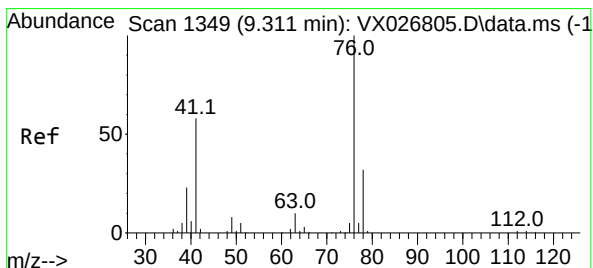
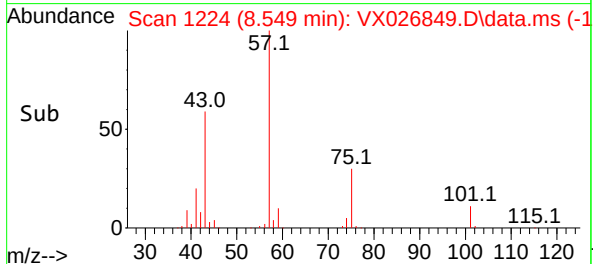
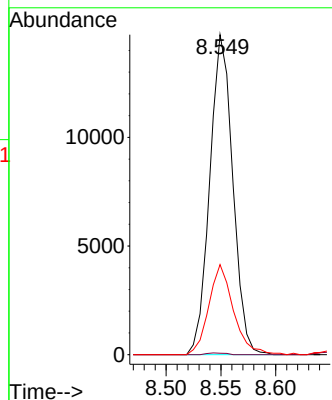
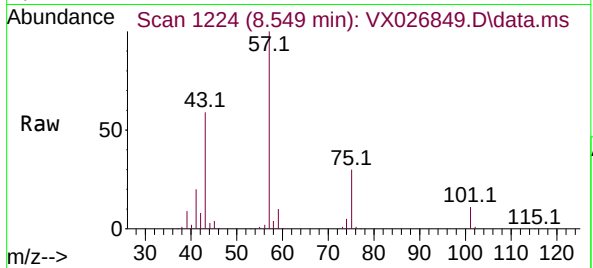




#54
 cis-1,3-Dichloropropene
 Concen: 9.312 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026849.D
 Acq: 09 Feb 2022 02:25

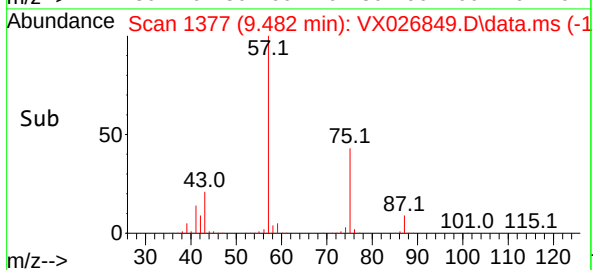
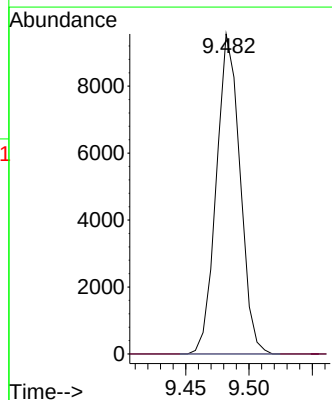
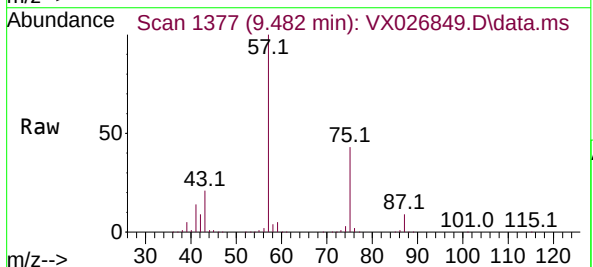
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#02

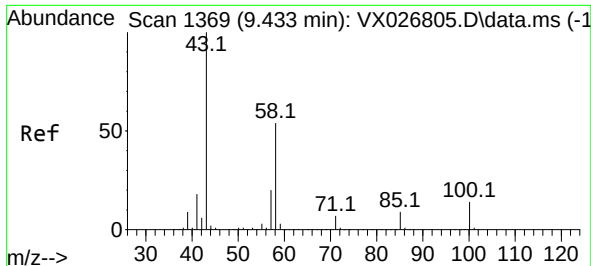
Tgt Ion: 75 Resp: 21501
 Ion Ratio Lower Upper
 75 100
 77 0.5 26.2 39.2#
 39 28.1 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 4.842 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX026849.D
 Acq: 09 Feb 2022 02:25

Tgt Ion: 76 Resp: 12430
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#





#59

2-Hexanone

Concen: 3.490 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

Instrument :

MSVOA_X

ClientSampleId :

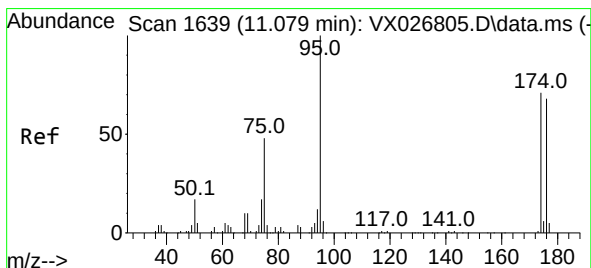
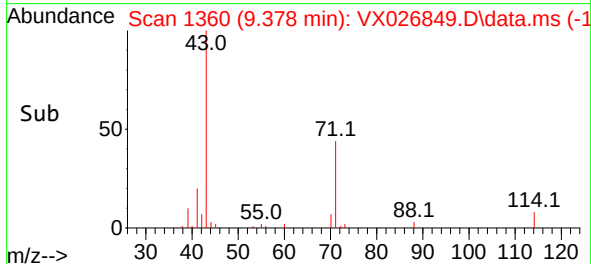
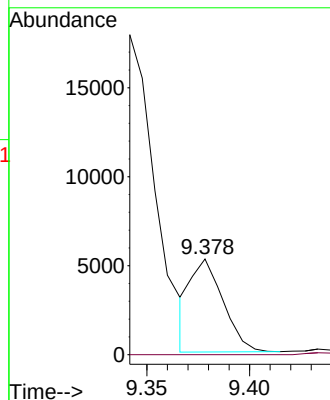
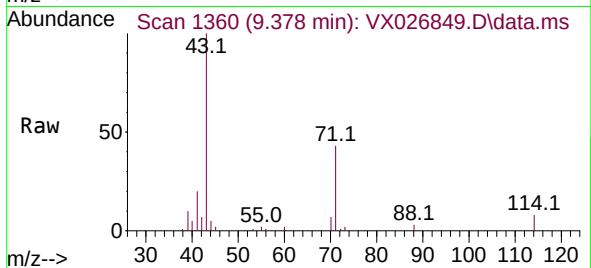
PB142539ZHE#02

Tgt Ion: 43 Resp: 5788

Ion Ratio Lower Upper

43 100

58 0.0 26.4 79.2#



#62

4-Bromofluorobenzene

Concen: 54.731 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX026849.D

Acq: 09 Feb 2022 02:25

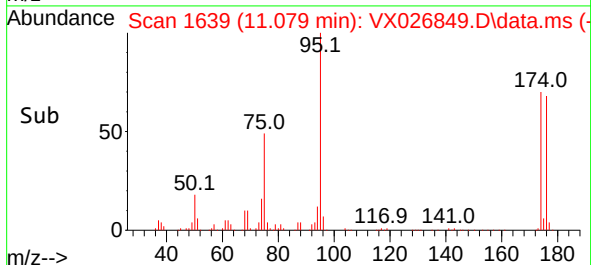
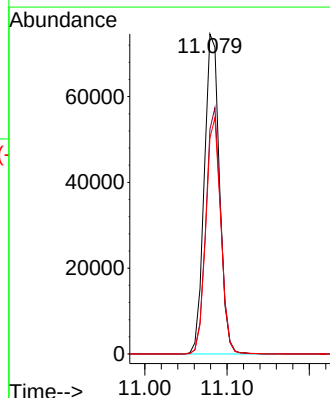
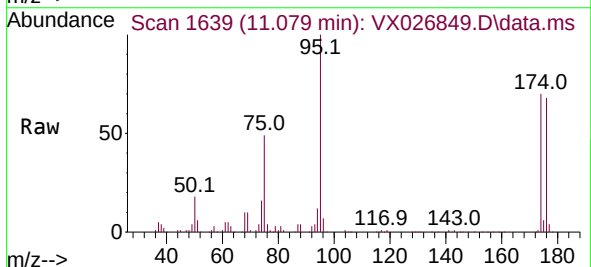
Tgt Ion: 95 Resp: 95950

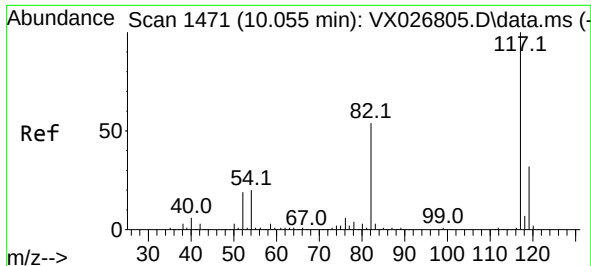
Ion Ratio Lower Upper

95 100

174 75.1 0.0 148.6

176 72.4 0.0 141.4

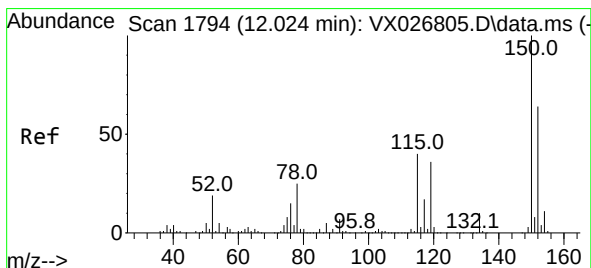
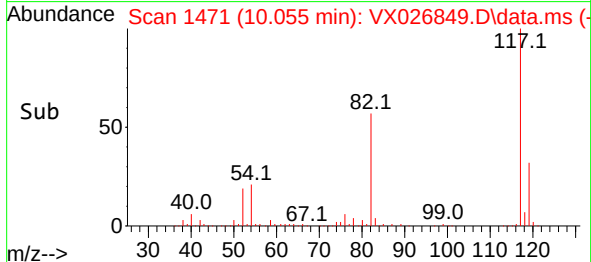
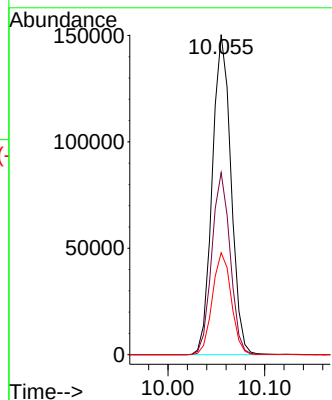
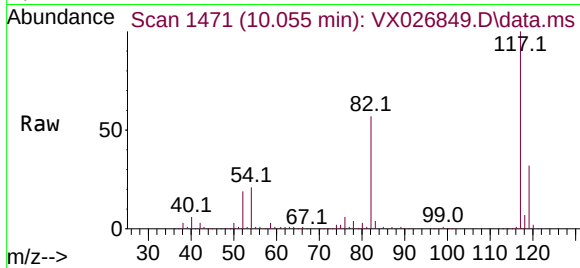




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

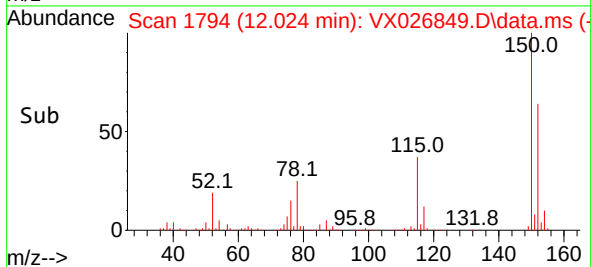
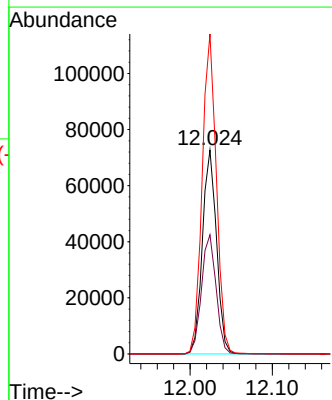
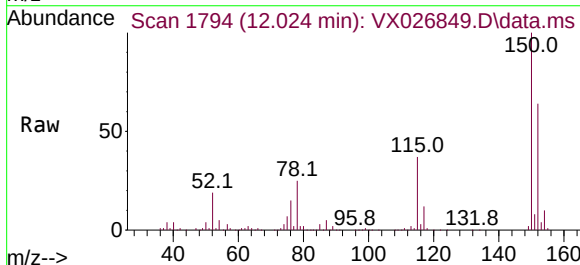
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

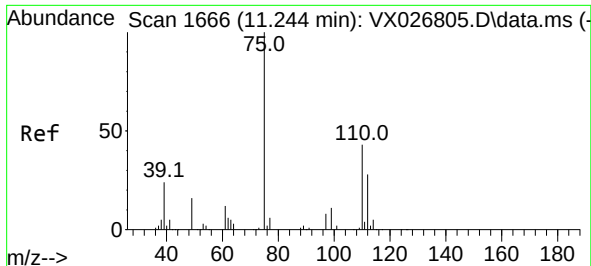
Tgt Ion:117 Resp: 202436
Ion Ratio Lower Upper
117 100
82 56.9 45.2 67.8
119 31.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion:152 Resp: 86890
Ion Ratio Lower Upper
152 100
115 60.2 44.2 132.6
150 156.9 0.0 348.2

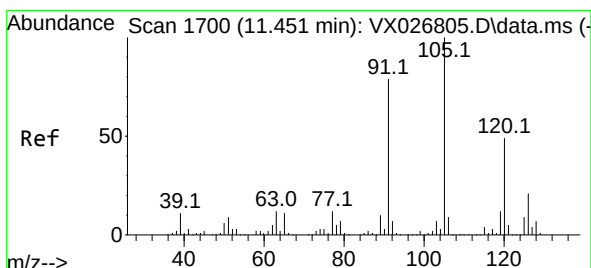
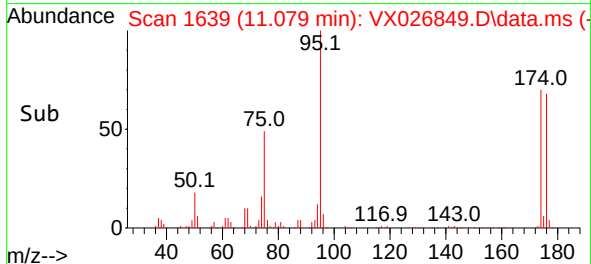
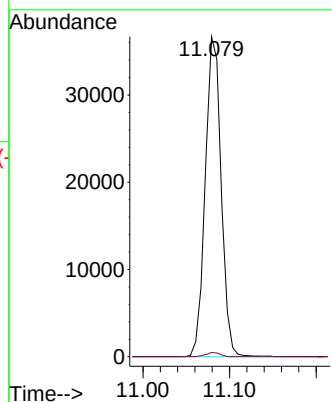
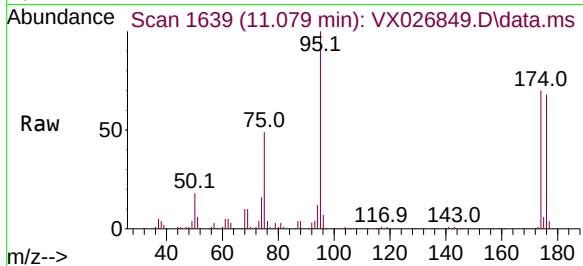




#76
1,2,3-Trichloropropane
Concen: 24.593 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

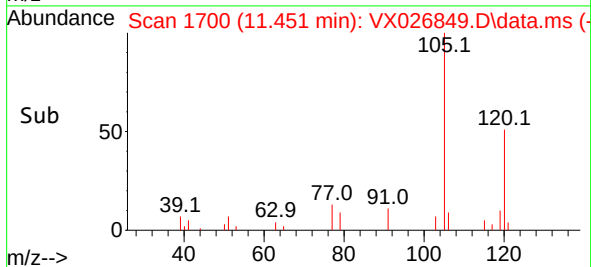
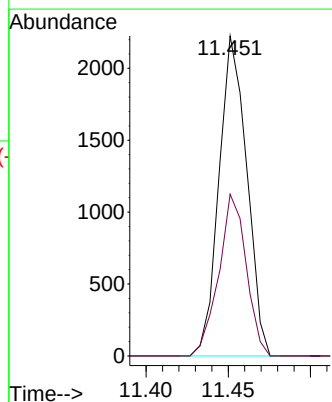
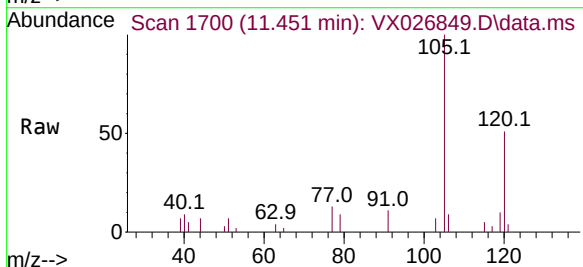
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#02

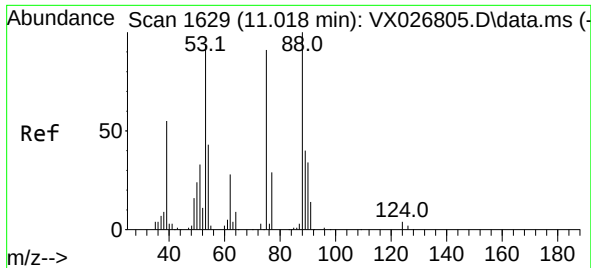
Tgt Ion: 75 Resp: 46778
Ion Ratio Lower Upper
75 100
77 1.2 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.463 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX026849.D
Acq: 09 Feb 2022 02:25

Tgt Ion: 105 Resp: 2610
Ion Ratio Lower Upper
105 100
120 50.0 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.070 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026849.D
 Acq: 09 Feb 2022 02:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#02

Tgt Ion: 75 Resp: 46778
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

