

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026853.D
 Acq On : 09 Feb 2022 03:57
 Operator : JC/MD
 Sample : PB142539ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

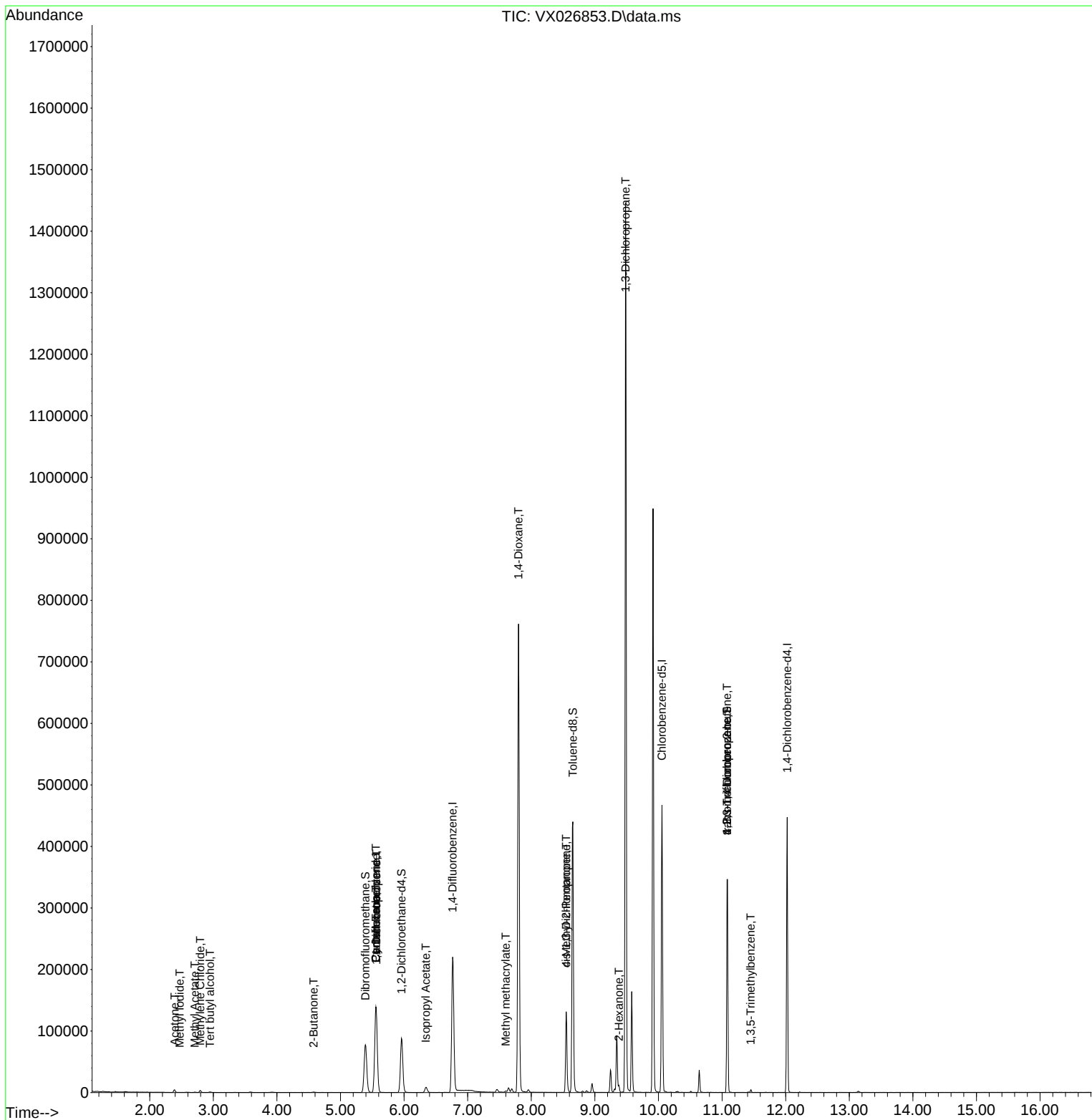
Quant Time: Feb 09 05:21:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	132838	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	223512	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85332	53.514	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.020%			
35) Dibromofluoromethane	5.391	113	68916	51.753	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	8.653	98	264232	54.056	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.120%			
62) 4-Bromofluorobenzene	11.079	95	97160	56.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.920%			
Target Compounds						
					Qvalue	
6) Chloroethane	1.703	64	20	Below Cal	#	43
10) Methyl Iodide	2.471	142	20	2.264	ug/l #	37
11) Tert butyl alcohol	2.947	59	607	2.107	ug/l #	75
16) Acetone	2.392	43	5064	7.231	ug/l	96
18) Methyl Acetate	2.709	43	917	0.455	ug/l #	72
20) Methylene Chloride	2.794	84	1493	0.984	ug/l	90
25) 2-Butanone	4.574	43	992	0.879	ug/l	97
31) Cyclohexane	5.556	56	2453	0.968	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	9982	4.752	ug/l #	51
38) Carbon Tetrachloride	5.556	117	13207	5.995	ug/l #	16
43) Isopropyl Acetate	6.342	43	12233	3.330	ug/l	99
48) Methyl methacrylate	7.598	41	3322	1.825	ug/l #	16
49) 1,4-Dioxane	7.799	88	60	1.913	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	44747	20.102	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	20894	9.218	ug/l #	55
57) 1,3-Dichloropropane	9.482	76	12388	4.916	ug/l #	43
59) 2-Hexanone	9.378	43	5750	3.532	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	48903	25.052	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2230	0.386	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	48903	76.406	ug/l #	4

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

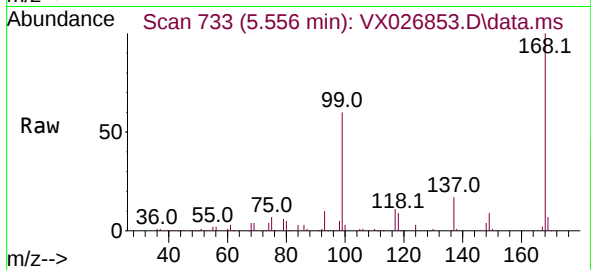
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Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration



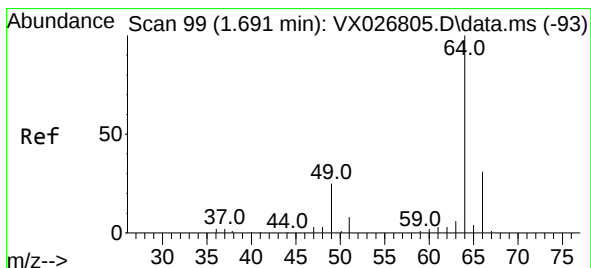
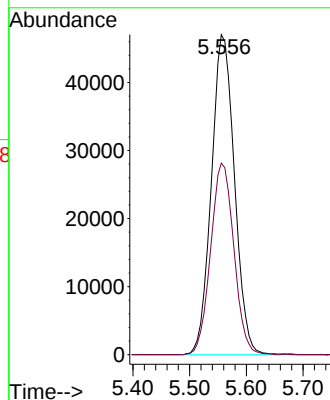
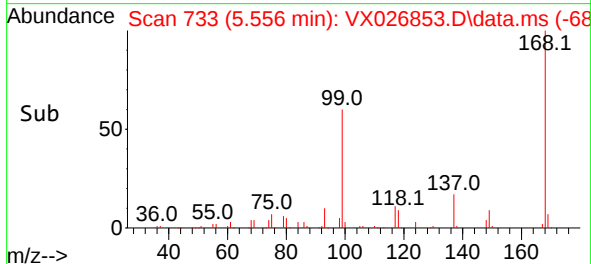


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Instrument :
MSVOA_X
ClientSampleId :

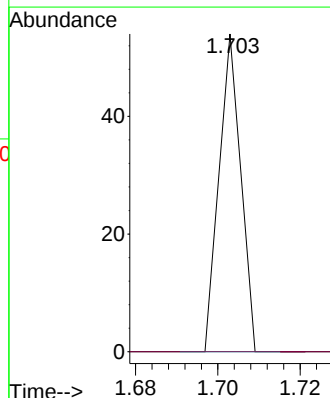
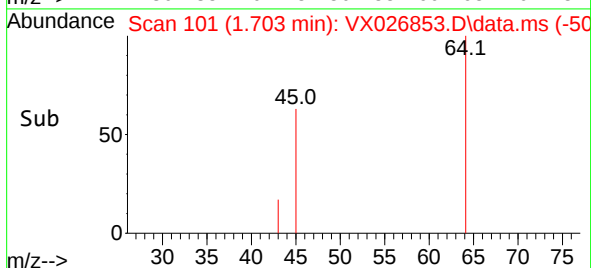
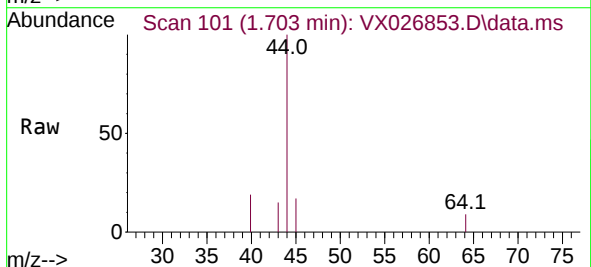


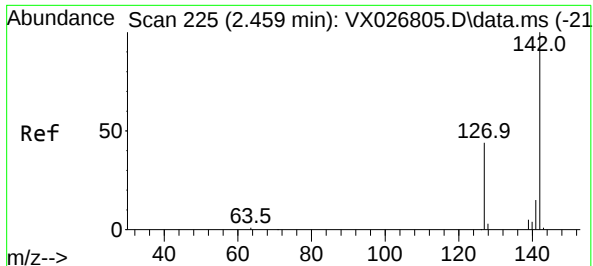
Tgt Ion:168 Resp: 132838
Ion Ratio Lower Upper
168 100
99 59.9 50.3 75.5



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

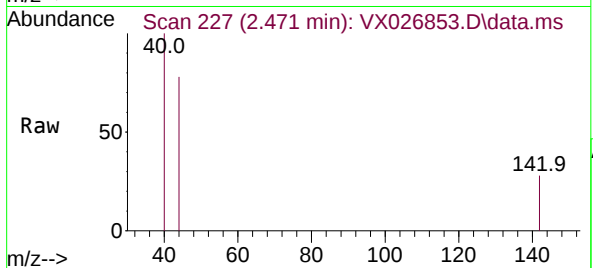
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



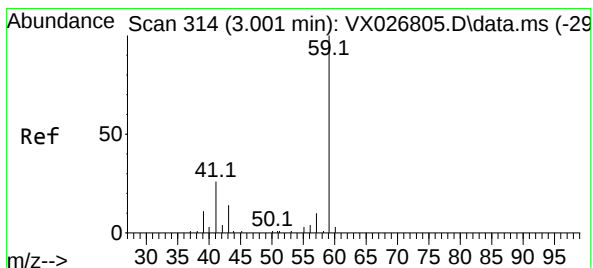
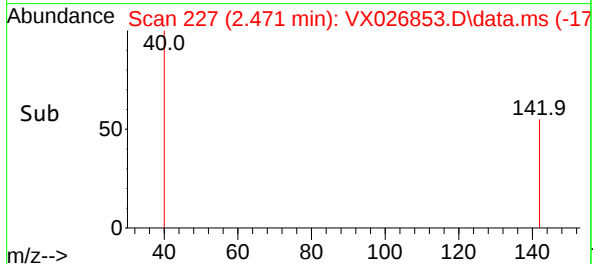
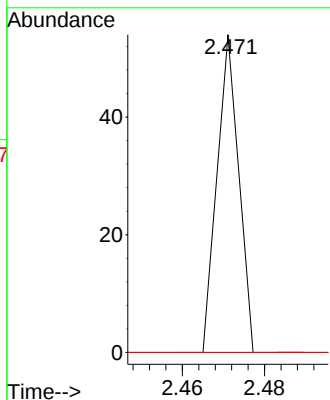


#10
Methyl Iodide
Concen: 2.264 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Instrument :
MSVOA_X
ClientSampleId :

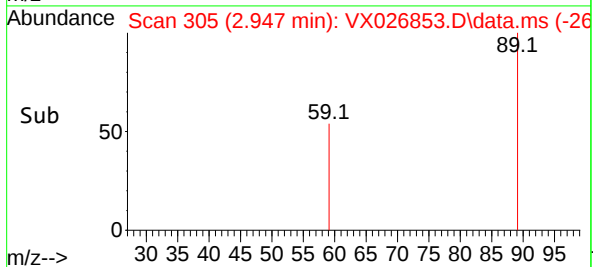
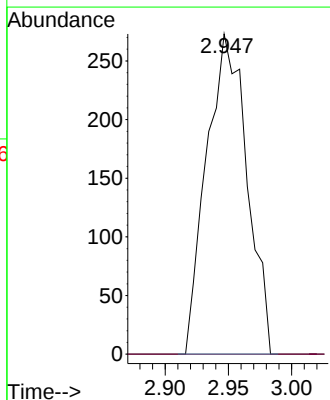
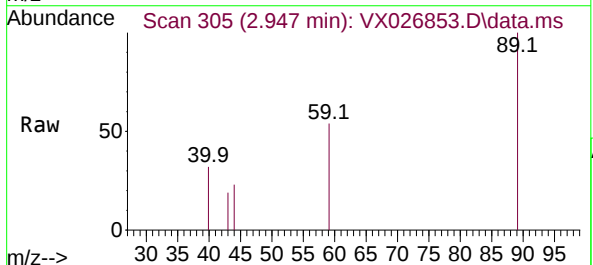


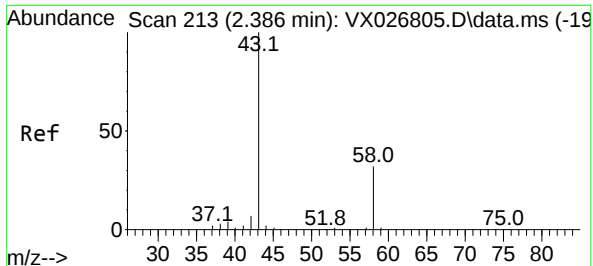
Tgt Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 38.1 57.1#
141 0.0 11.2 16.8#



#11
Tert butyl alcohol
Concen: 2.107 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.054 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Tgt Ion: 59 Resp: 607
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 7.231 ug/l

RT: 2.392 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

Instrument :

MSVOA_X

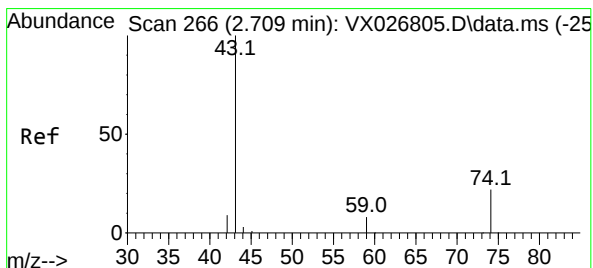
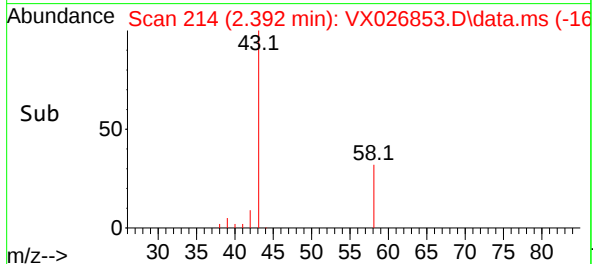
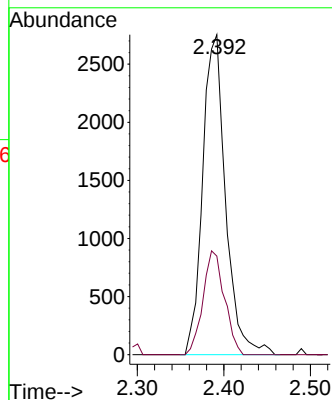
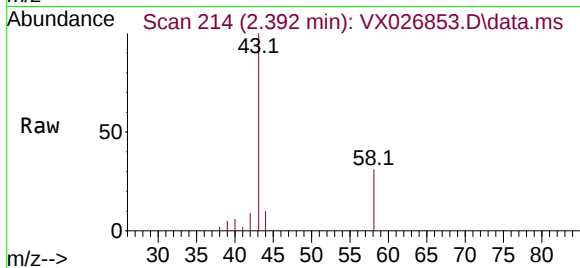
ClientSampleId :

Tgt Ion: 43 Resp: 5064

Ion Ratio Lower Upper

43 100

58 30.8 23.0 34.6



#18

Methyl Acetate

Concen: 0.455 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.000 min

Lab File: VX026853.D

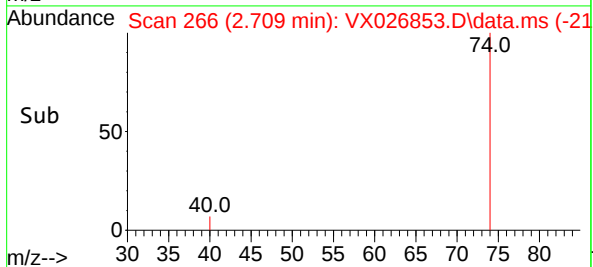
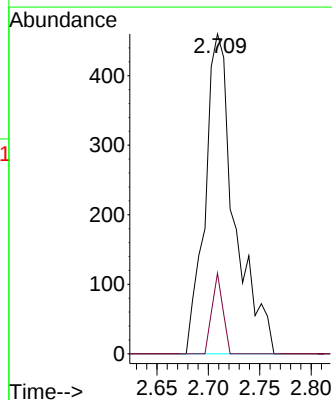
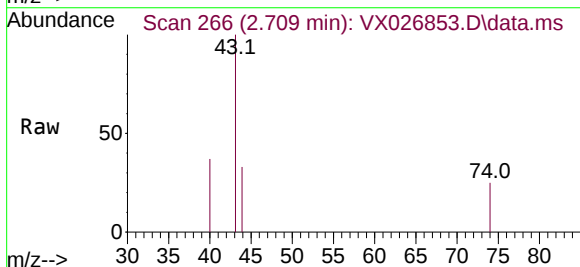
Acq: 09 Feb 2022 03:57

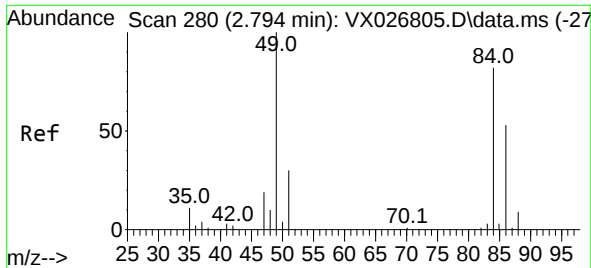
Tgt Ion: 43 Resp: 917

Ion Ratio Lower Upper

43 100

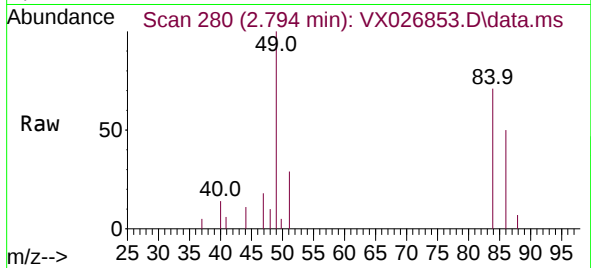
74 9.3 18.3 27.5#



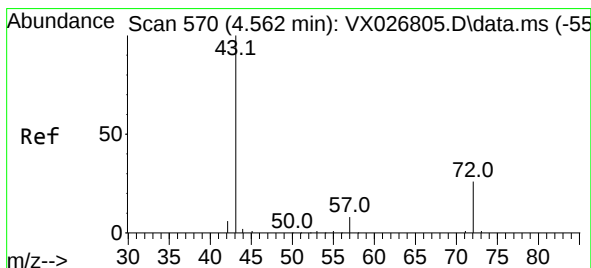
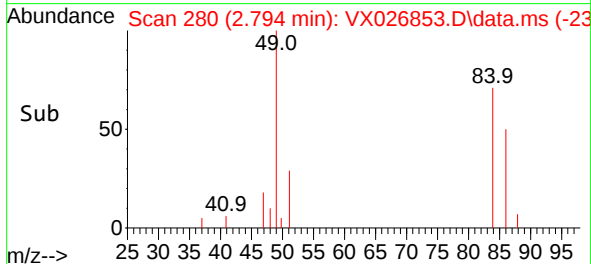
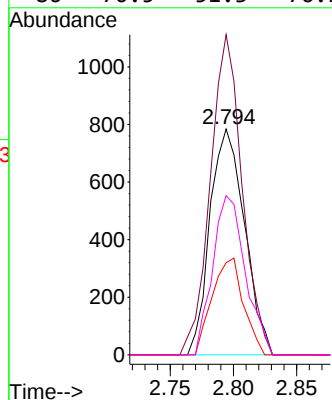


#20
Methylene Chloride
Concen: 0.984 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Instrument :
MSVOA_X
ClientSampleId :

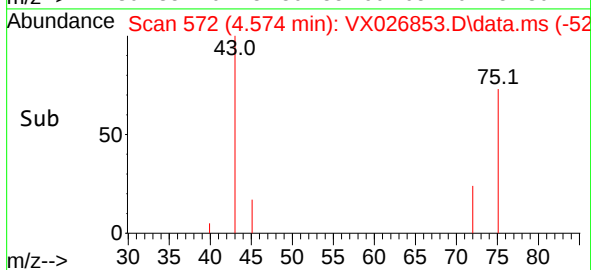
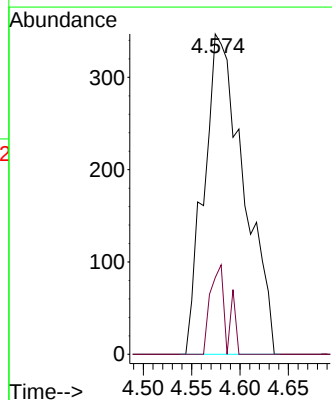
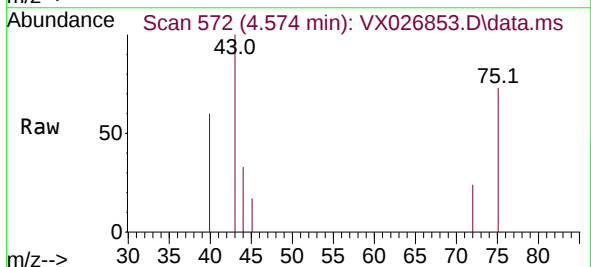


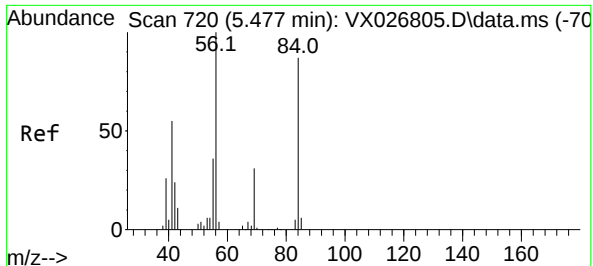
Tgt Ion: 84	Resp: 1493
Ion Ratio	Lower Upper
84 100	
49 141.8	101.5 152.3
51 40.8	31.2 46.8
86 70.5	51.3 76.9



#25
2-Butanone
Concen: 0.879 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

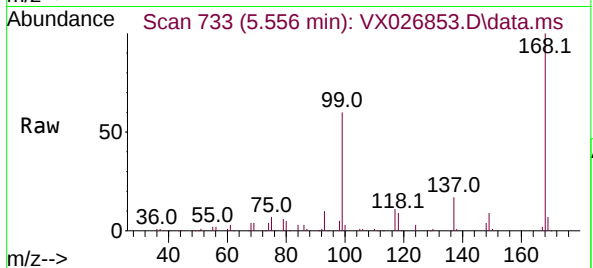
Tgt Ion: 43	Resp: 992
Ion Ratio	Lower Upper
43 100	
72 23.9	20.4 30.6



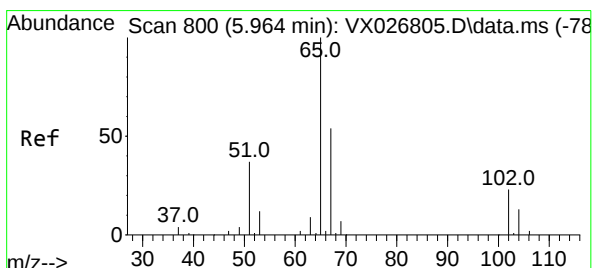
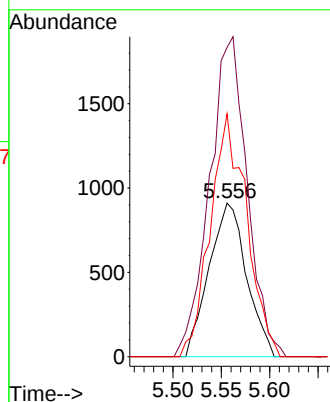
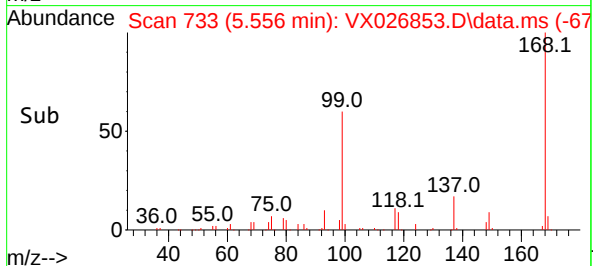


#31
Cyclohexane
Concen: 0.968 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Instrument :
MSVOA_X
ClientSampleId :

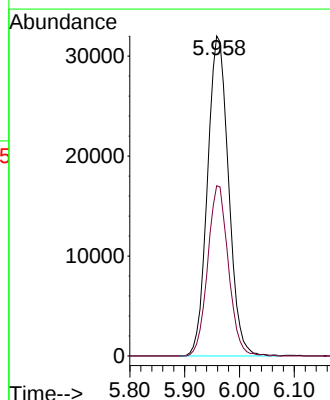
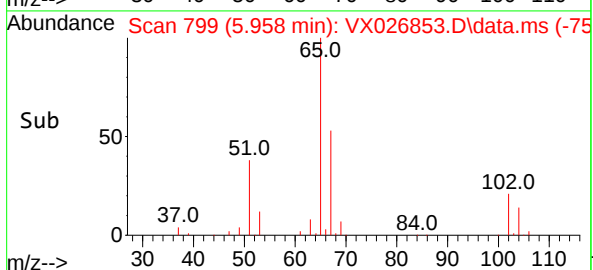
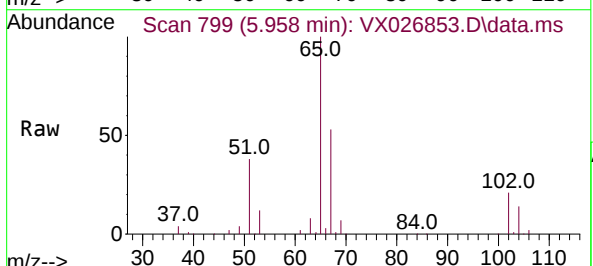


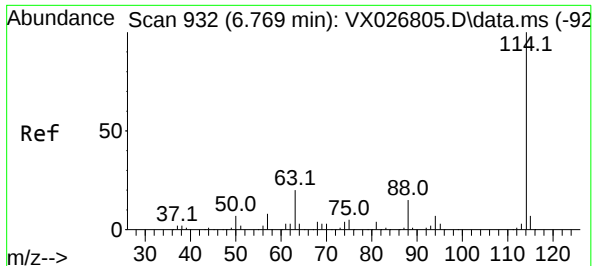
Tgt Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 195.4 25.8 38.6#
84 158.2 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 53.514 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Tgt Ion: 65 Resp: 85332
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

Instrument :

MSVOA_X

ClientSampleId :

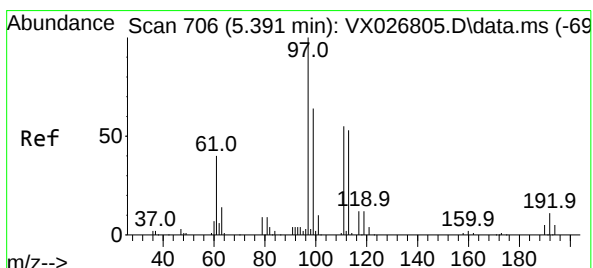
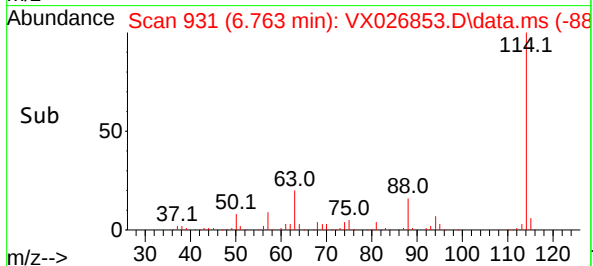
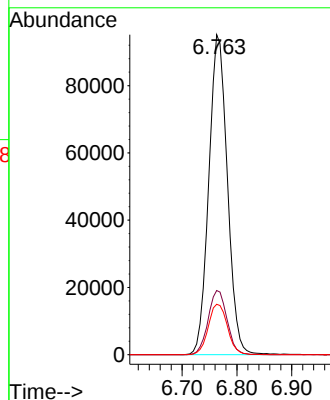
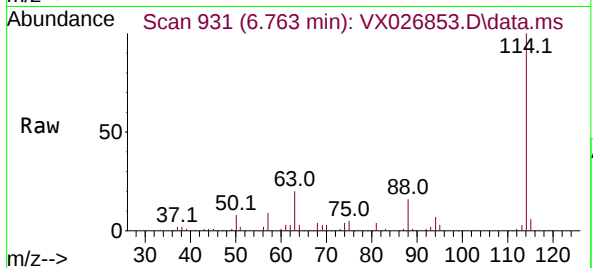
Tgt Ion:114 Resp: 223512

Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.8

88 15.8 0.0 33.0



#35

Dibromofluoromethane

Concen: 51.753 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

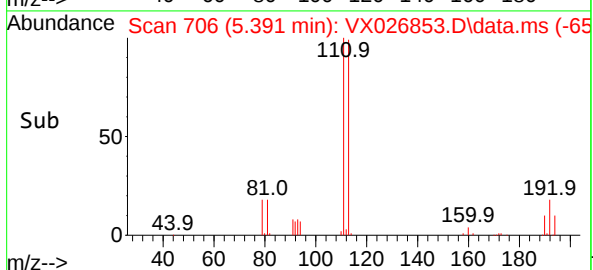
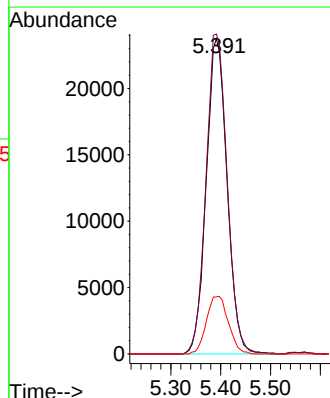
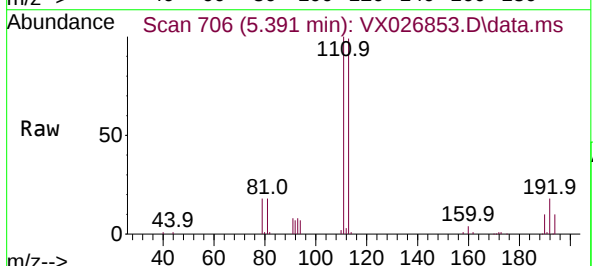
Tgt Ion:113 Resp: 68916

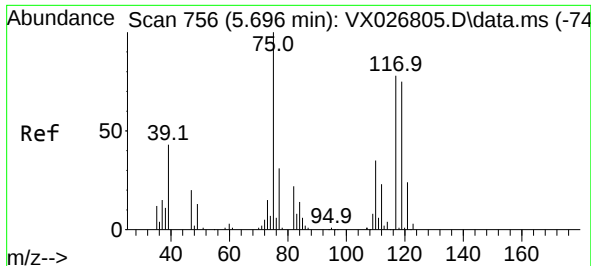
Ion Ratio Lower Upper

113 100

111 103.2 81.2 121.8

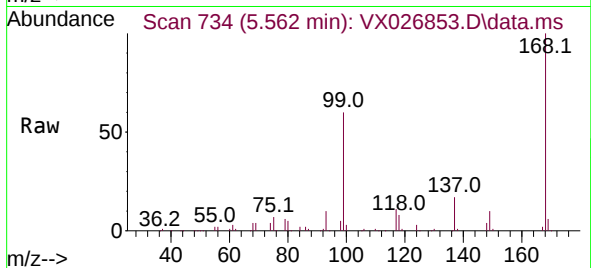
192 19.2 15.0 22.4



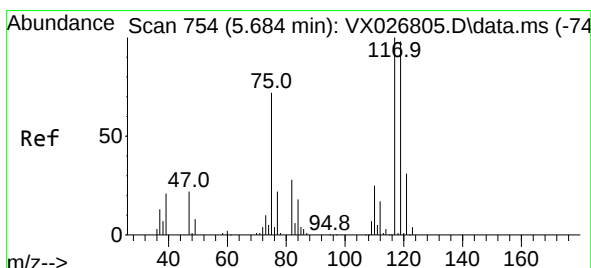
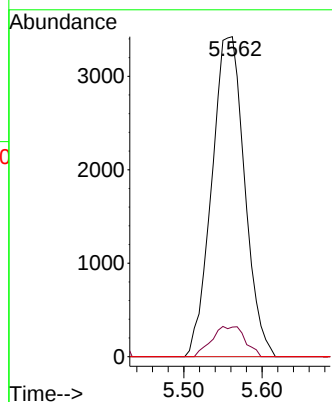
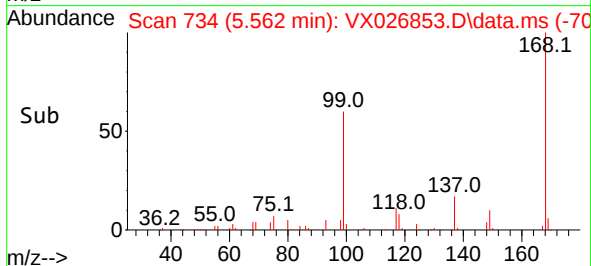


#36
 1,1-Dichloropropene
 Concen: 4.752 ug/l
 RT: 5.562 min Scan# 713
 Delta R.T. -0.134 min
 Lab File: VX026853.D
 Acq: 09 Feb 2022 03:57

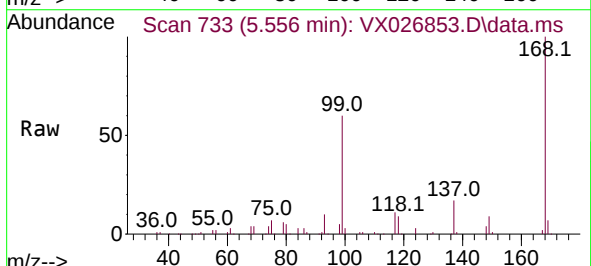
Instrument :
 MSVOA_X
 ClientSampleId :



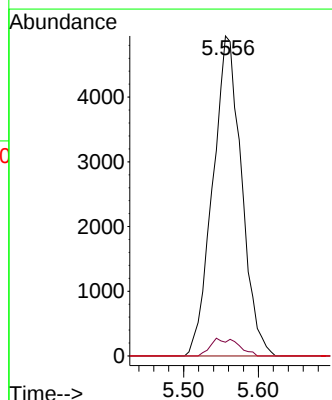
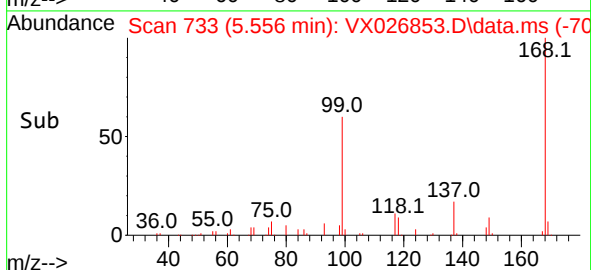
Tgt Ion: 75 Resp: 9982
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.2 51.6#
 77 0.0 24.6 36.8#

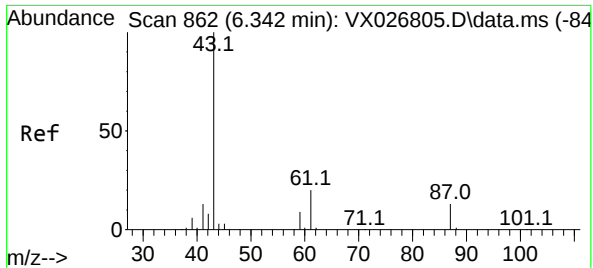


#38
 Carbon Tetrachloride
 Concen: 5.995 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.128 min
 Lab File: VX026853.D
 Acq: 09 Feb 2022 03:57



Tgt Ion: 117 Resp: 13207
 Ion Ratio Lower Upper
 117 100
 119 4.3 74.7 112.1#
 121 0.0 25.4 38.0#

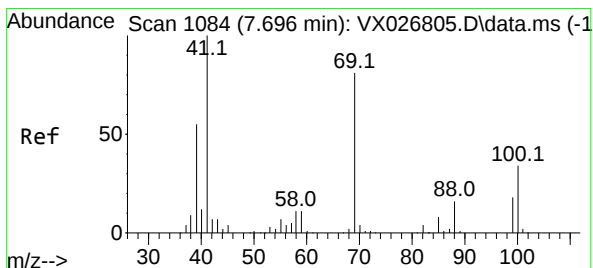
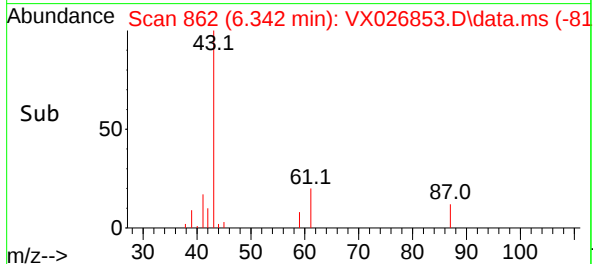
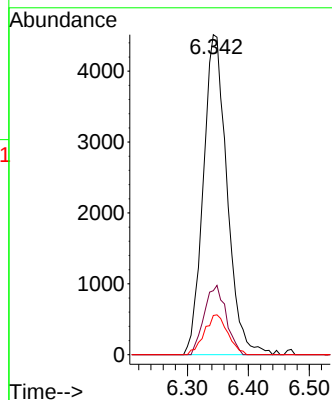
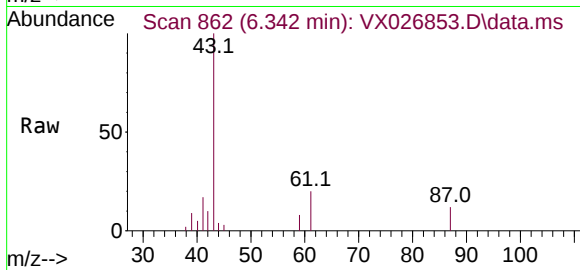




#43
Isopropyl Acetate
Concen: 3.330 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

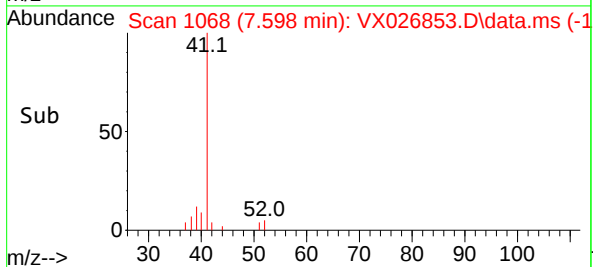
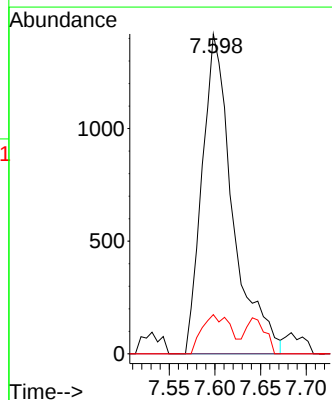
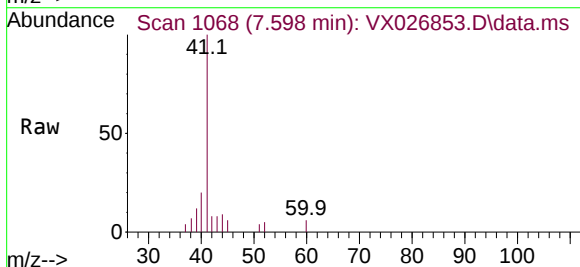
Instrument :
MSVOA_X
ClientSampleId :

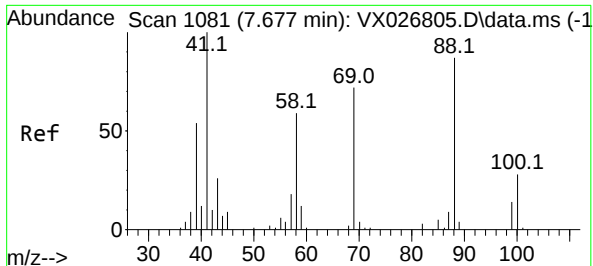
Tgt Ion: 43 Resp: 12233
Ion Ratio Lower Upper
43 100
61 19.9 15.4 23.0
87 12.2 10.2 15.2



#48
Methyl methacrylate
Concen: 1.825 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.097 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Tgt Ion: 41 Resp: 3322
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: 1.913 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.122 min

Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

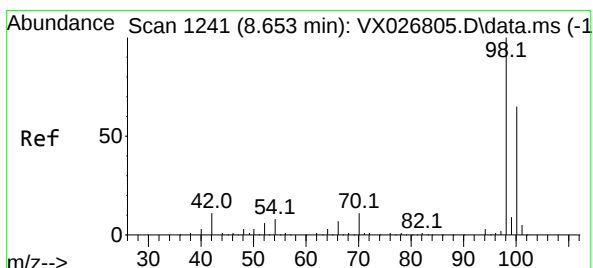
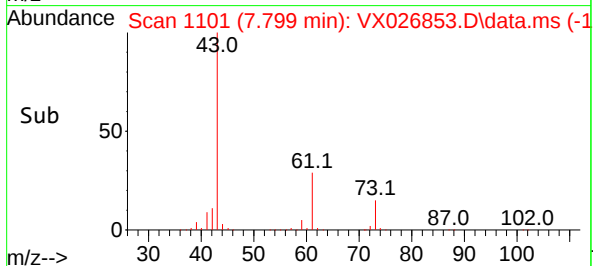
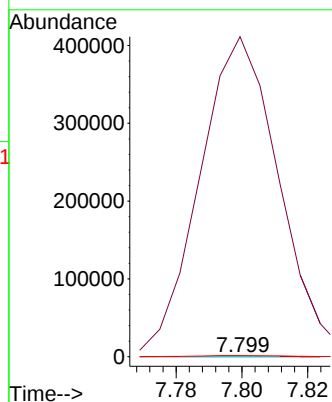
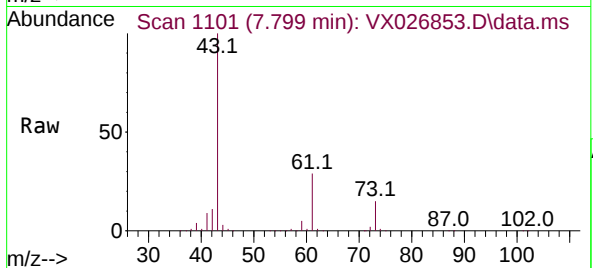
Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 88 Resp: 60

Ion	Ratio	Lower	Upper
88	100		
43	1162415.0	29.9	44.9#
58	4610.0	57.8	86.6#



#50

Toluene-d8

Concen: 54.056 ug/l

RT: 8.653 min Scan# 1241

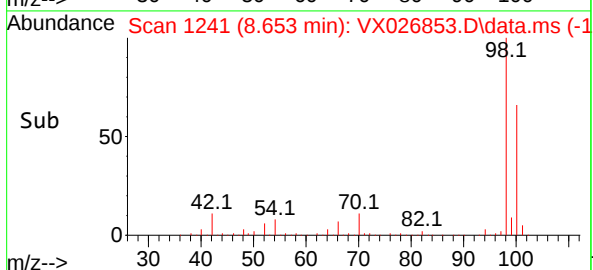
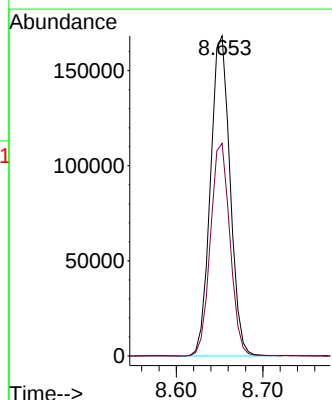
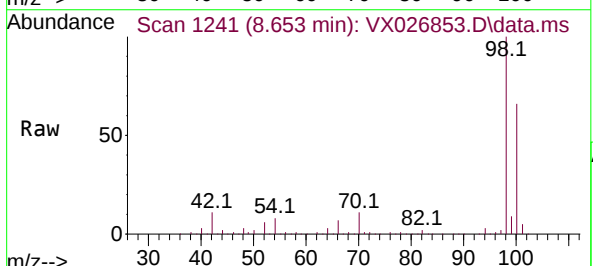
Delta R.T. 0.000 min

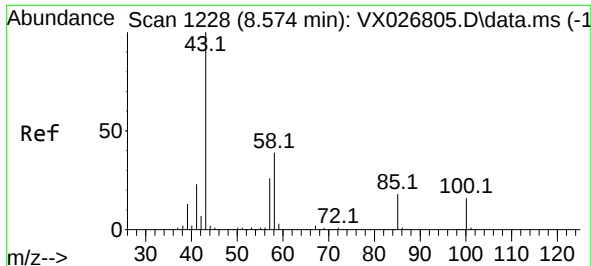
Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

Tgt Ion: 98 Resp: 264232

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8

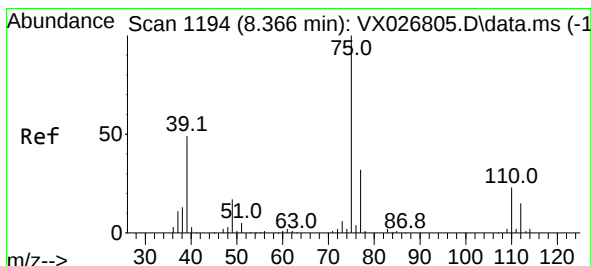
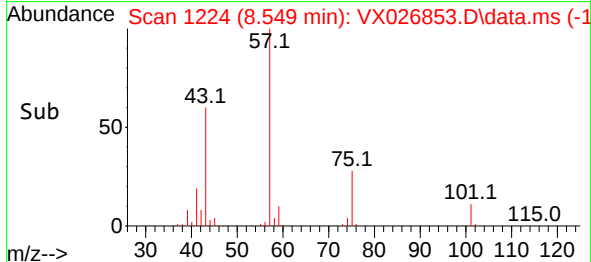
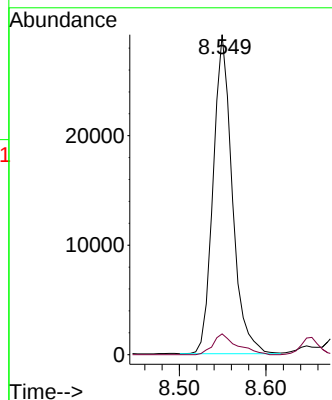
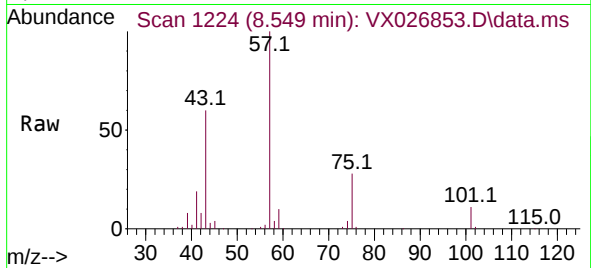




#51
4-Methyl-2-Pentanone
Concen: 20.102 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

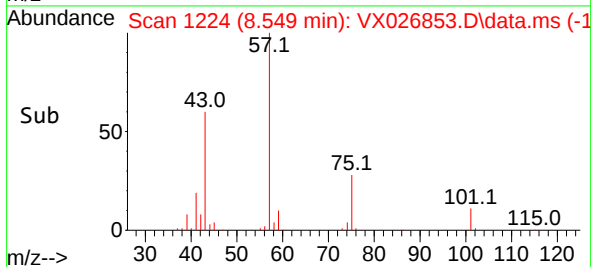
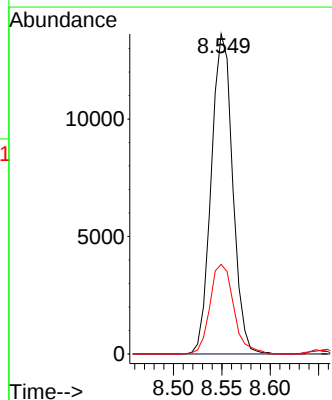
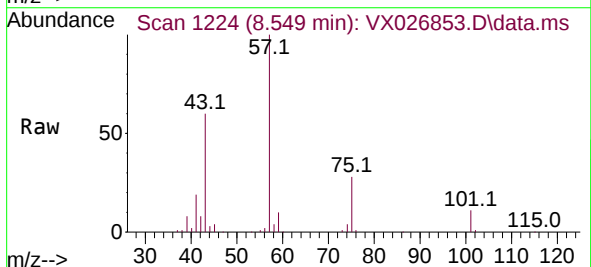
Instrument :
MSVOA_X
ClientSampleId :

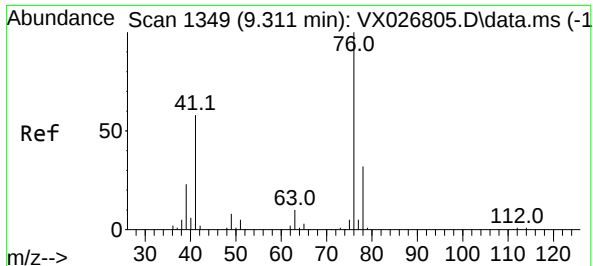
Tgt Ion: 43 Resp: 44747
Ion Ratio Lower Upper
43 100
58 8.1 30.5 45.7#



#54
cis-1,3-Dichloropropene
Concen: 9.218 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Tgt Ion: 75 Resp: 20894
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#
39 28.0 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 4.916 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.171 min

Lab File: VX026853.D

Acq: 09 Feb 2022 03:57

Instrument :

MSVOA_X

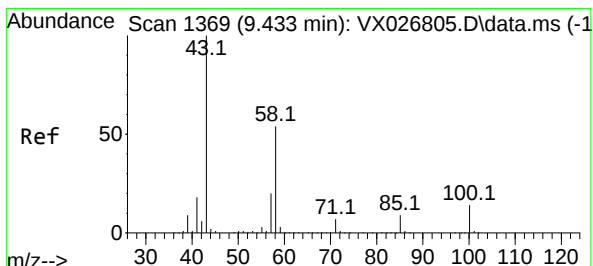
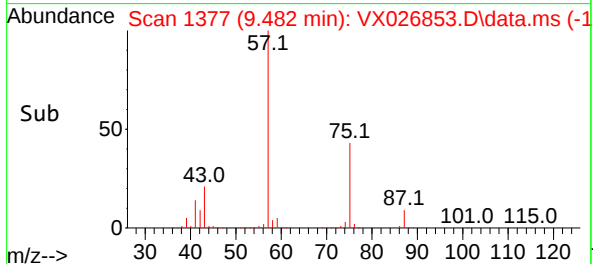
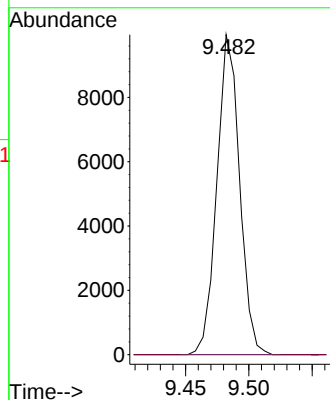
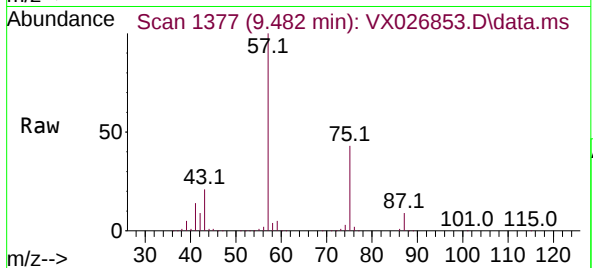
ClientSampleId :

Tgt Ion: 76 Resp: 12388

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 3.532 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX026853.D

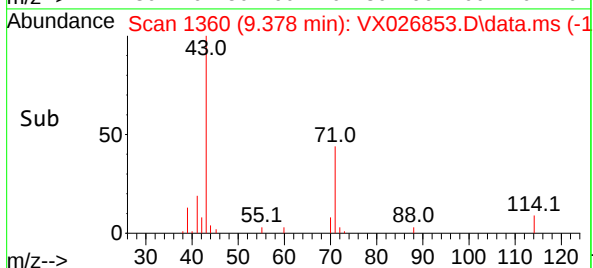
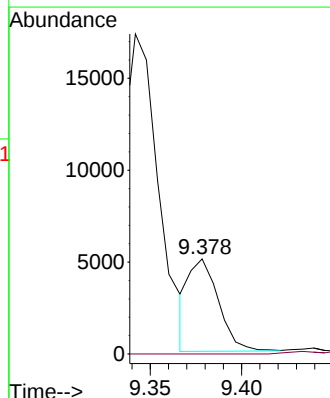
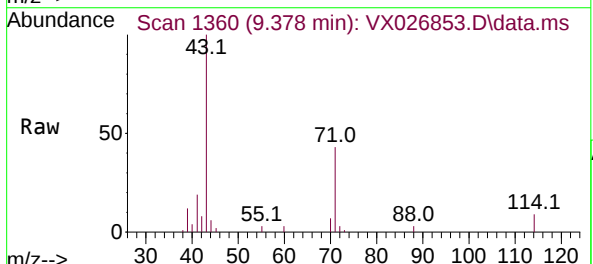
Acq: 09 Feb 2022 03:57

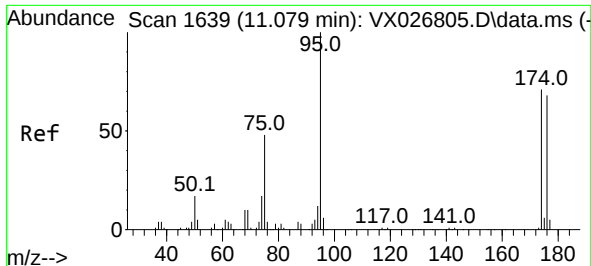
Tgt Ion: 43 Resp: 5750

Ion Ratio Lower Upper

43 100

58 0.0 26.4 79.2#

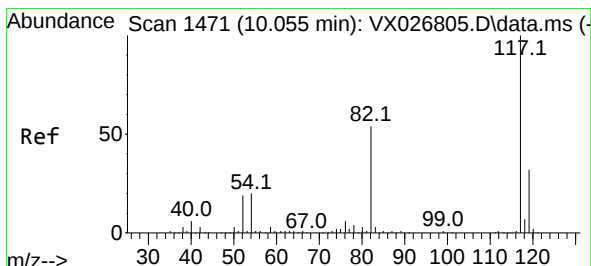
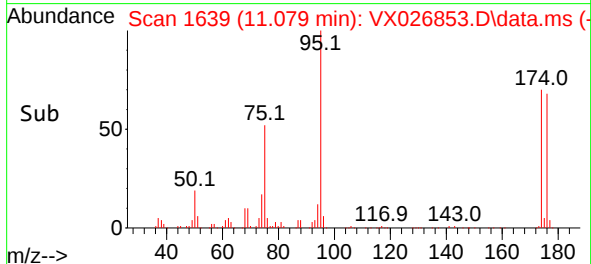
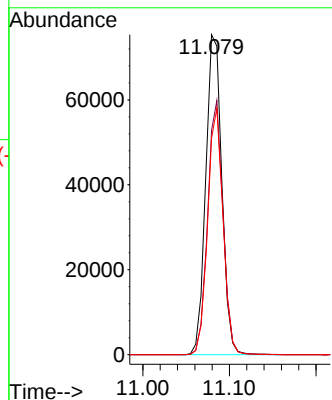
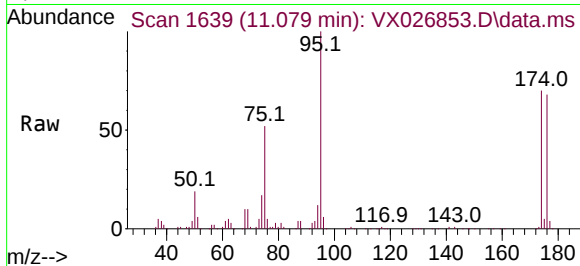




#62
4-Bromofluorobenzene
Concen: 56.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

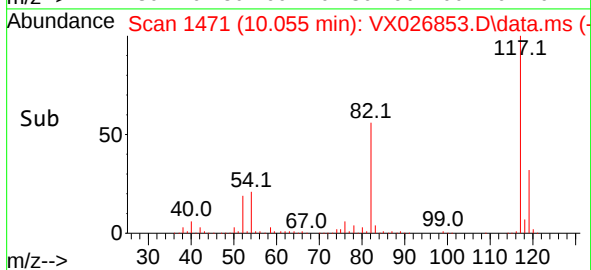
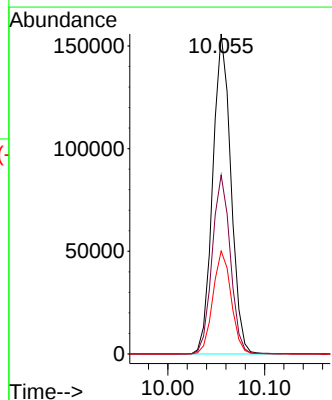
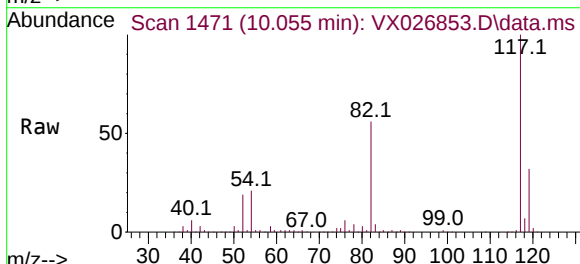
Instrument :
MSVOA_X
ClientSampleId :

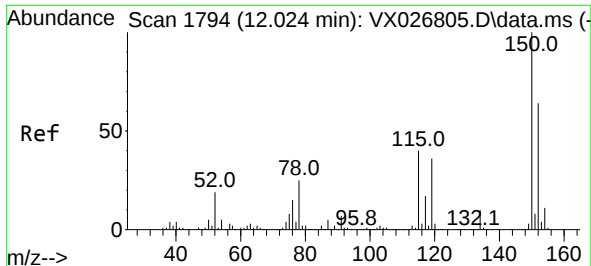
Tgt Ion: 95 Resp: 97160
Ion Ratio Lower Upper
95 100
174 76.0 0.0 148.6
176 73.6 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

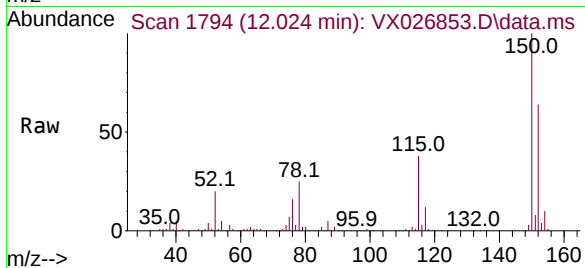
Tgt Ion: 117 Resp: 202977
Ion Ratio Lower Upper
117 100
82 55.9 45.2 67.8
119 32.1 26.2 39.2



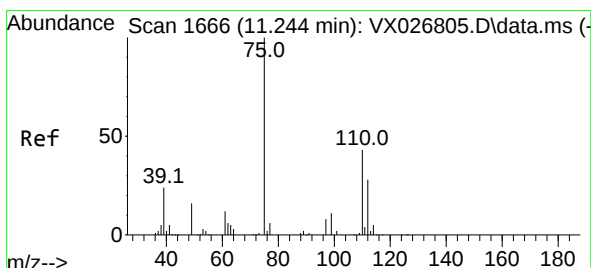
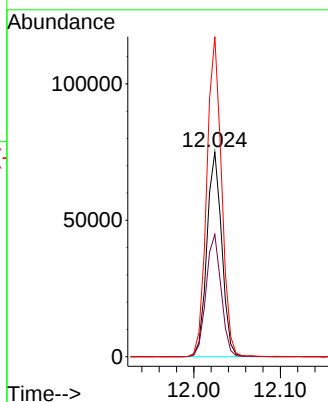
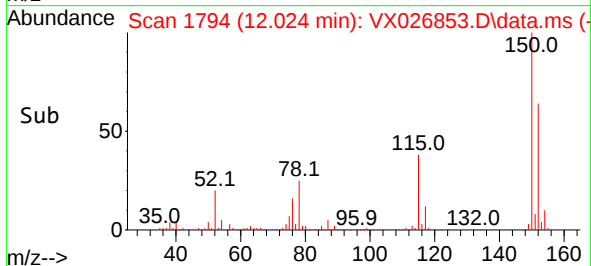


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX026853.D
 Acq: 09 Feb 2022 03:57

Instrument :
 MSVOA_X
 ClientSampleId :

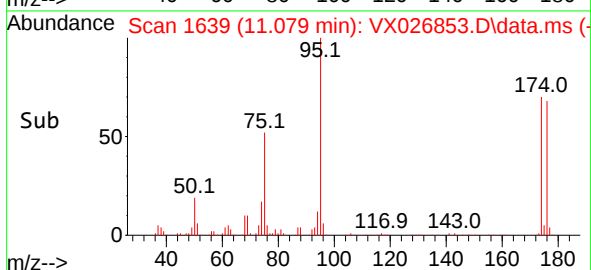
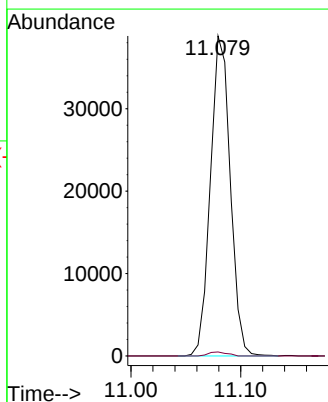
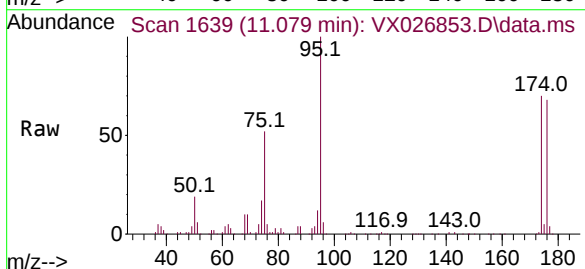


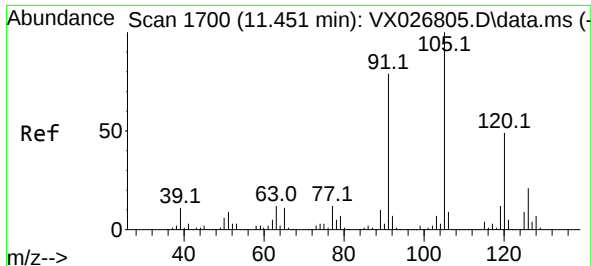
Tgt Ion:152 Resp: 89175
 Ion Ratio Lower Upper
 152 100
 115 60.7 44.2 132.6
 150 156.2 0.0 348.2



#76
 1,2,3-Trichloropropane
 Concen: 25.052 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX026853.D
 Acq: 09 Feb 2022 03:57

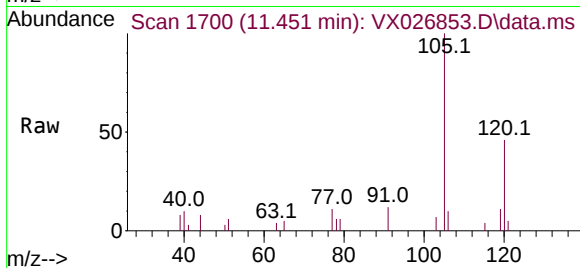
Tgt Ion: 75 Resp: 48903
 Ion Ratio Lower Upper
 75 100
 77 1.2 18.3 54.8#



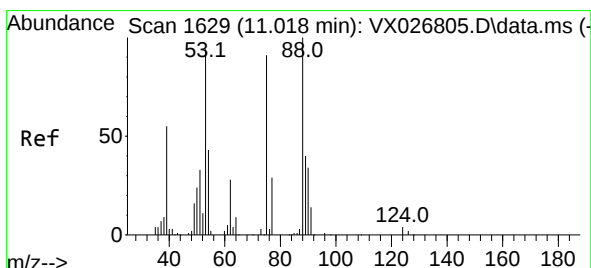
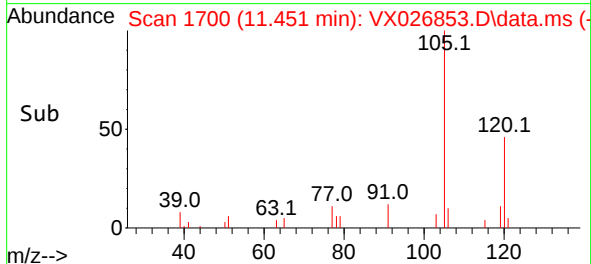
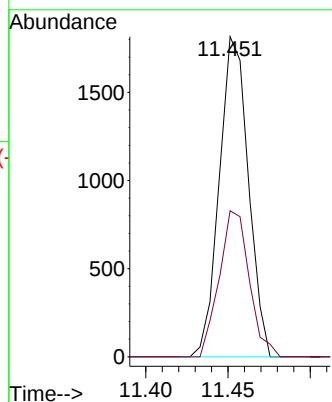


#80
1,3,5-Trimethylbenzene
Concen: 0.386 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:105 Resp: 2230
Ion Ratio Lower Upper
105 100
120 47.3 24.0 72.0



#81
trans-1,4-Dichloro-2-butene
Concen: 76.406 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026853.D
Acq: 09 Feb 2022 03:57

Tgt Ion: 75 Resp: 48903
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.1 37.0 55.4#

