

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020822\
 Data File : VX026852.D
 Acq On : 09 Feb 2022 03:34
 Operator : JC/MD
 Sample : PB142539ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#05

Quant Time: Feb 09 05:21:34 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

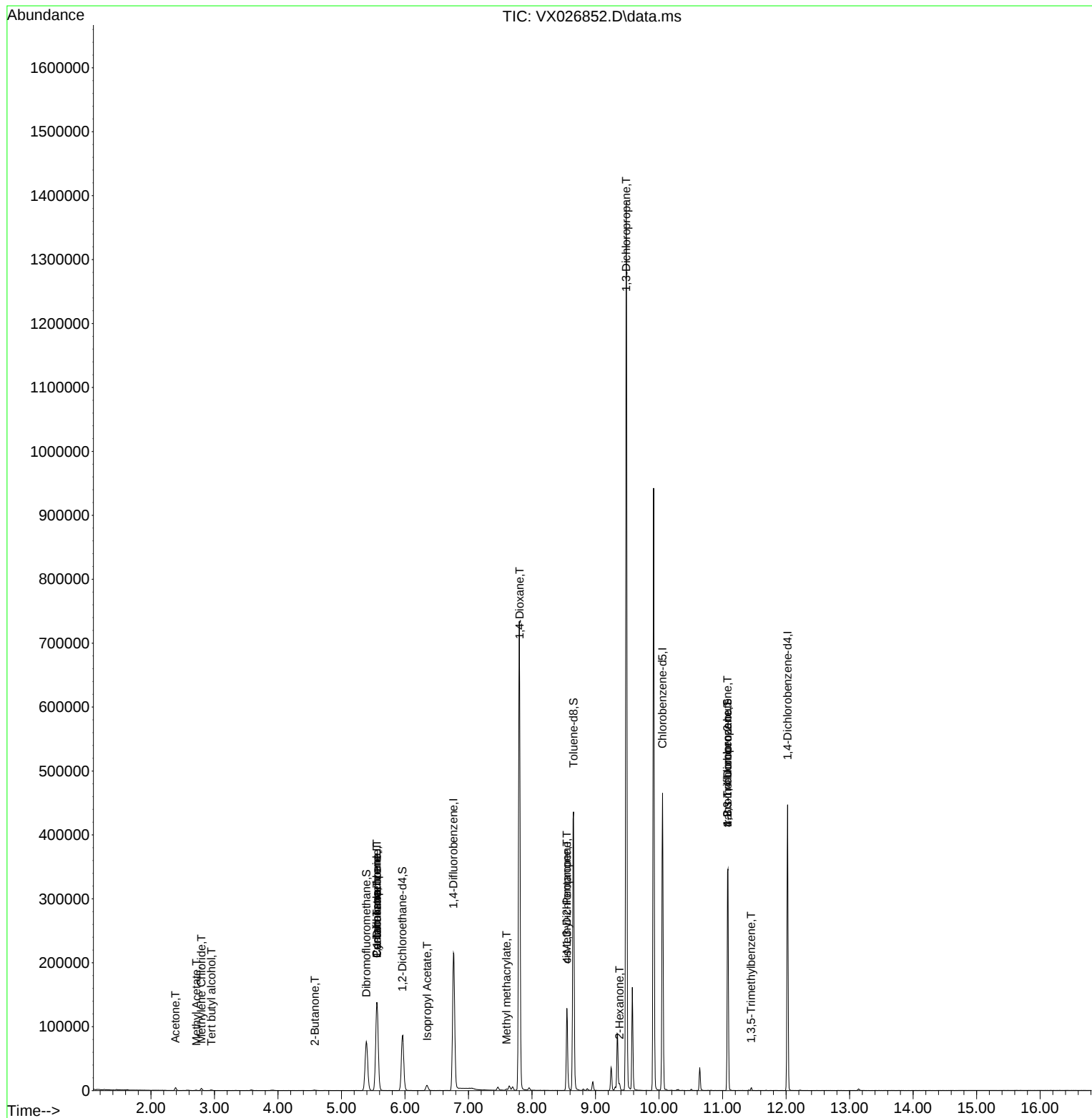
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.555	168	130902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89053	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	84545	53.804	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.600%		
35) Dibromofluoromethane	5.391	113	69109	52.808	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.620%		
50) Toluene-d8	8.652	98	259833	54.089	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 108.180%		
62) 4-Bromofluorobenzene	11.079	95	98308	58.127	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 116.260%		
Target Compounds						Qvalue
6) Chloroethane	1.703	64	20	Below Cal	#	43
11) Tert butyl alcohol	2.952	59	502	1.768	ug/l #	75
16) Acetone	2.385	43	5109	7.403	ug/l	96
18) Methyl Acetate	2.715	43	811	0.408	ug/l	94
20) Methylene Chloride	2.794	84	1485	0.993	ug/l	91
25) 2-Butanone	4.580	43	1041	0.936	ug/l	94
31) Cyclohexane	5.555	56	2626	1.052	ug/l #	10
36) 1,1-Dichloropropene	5.555	75	9846	4.769	ug/l #	50
38) Carbon Tetrachloride	5.555	117	13392	6.186	ug/l #	18
43) Isopropyl Acetate	6.348	43	11431	3.166	ug/l	98
48) Methyl methacrylate	7.598	41	3378	1.889	ug/l #	16
49) 1,4-Dioxane	7.805	88	63	2.044	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	43325	19.805	ug/l #	50
54) cis-1,3-Dichloropropene	8.549	75	20233	9.083	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	12051	4.866	ug/l #	43
59) 2-Hexanone	9.378	43	6361	3.975	ug/l #	25
76) 1,2,3-Trichloropropane	11.079	75	48957	25.114	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.451	105	2134	0.370	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	48957	76.587	ug/l #	3

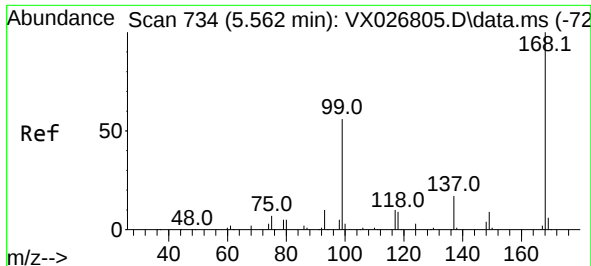
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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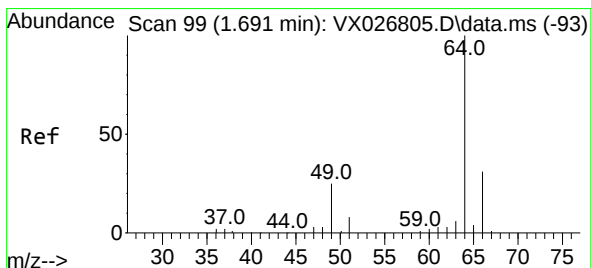
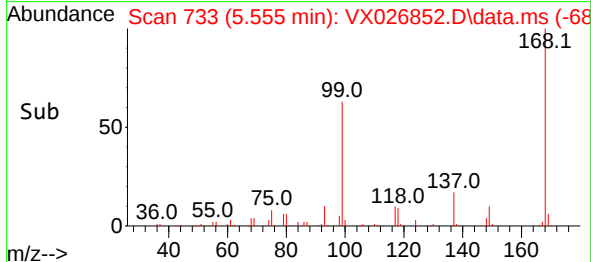
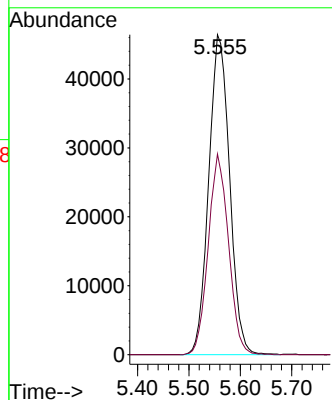
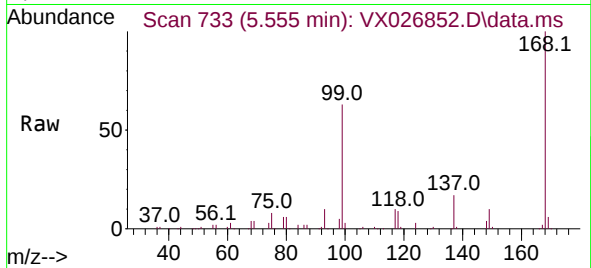




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

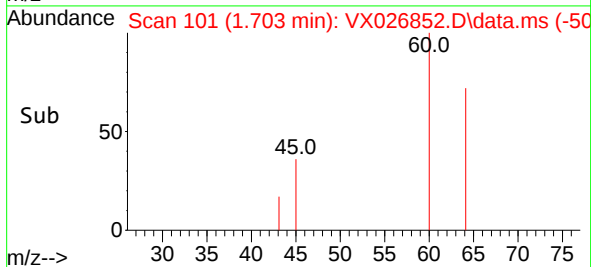
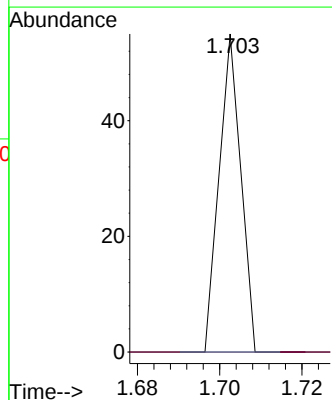
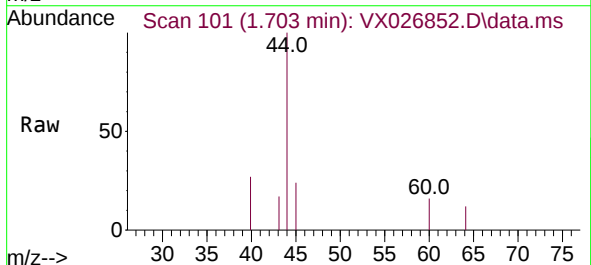
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

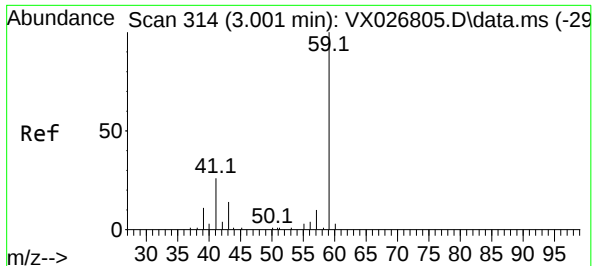
Tgt Ion:168 Resp: 130902
Ion Ratio Lower Upper
168 100
99 62.7 50.3 75.5



#6
Chloroethane
Concen: Below Cal
RT: 1.703 min Scan# 101
Delta R.T. 0.012 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

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





#11

Tert butyl alcohol

Concen: 1.768 ug/l

RT: 2.952 min Scan# 306

Delta R.T. -0.049 min

Lab File: VX026852.D

Acq: 09 Feb 2022 03:34

Instrument :

MSVOA_X

ClientSampleId :

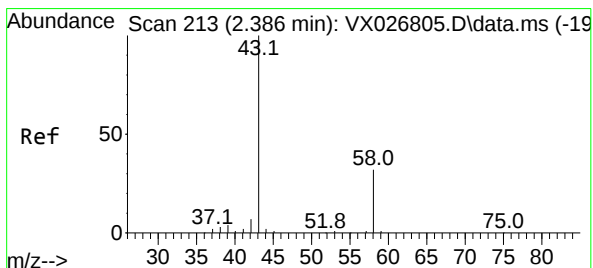
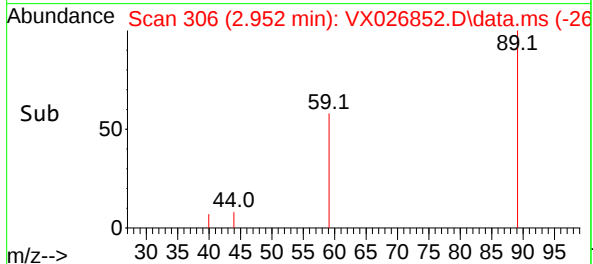
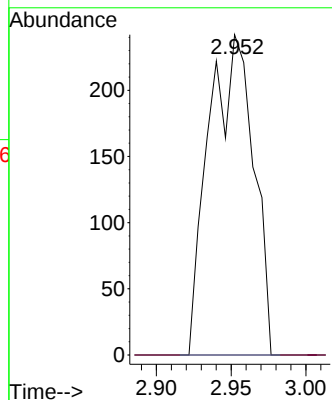
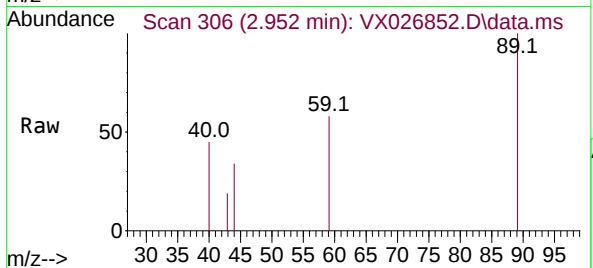
PB142539ZHE#05

Tgt Ion: 59 Resp: 502

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 7.403 ug/l

RT: 2.385 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX026852.D

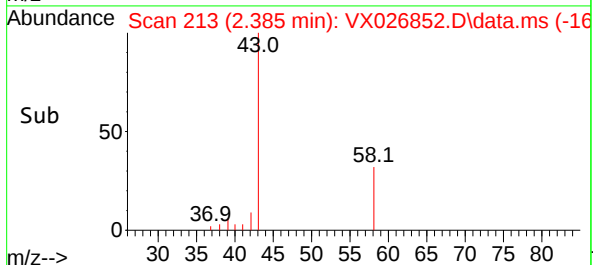
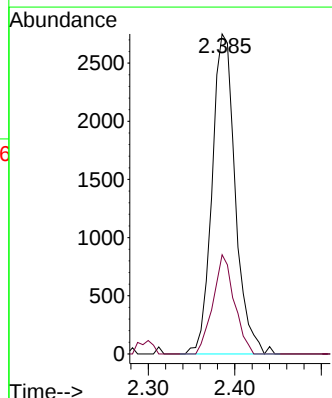
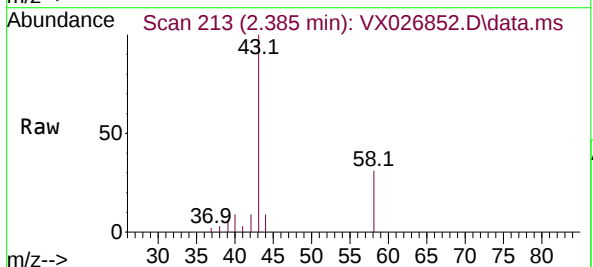
Acq: 09 Feb 2022 03:34

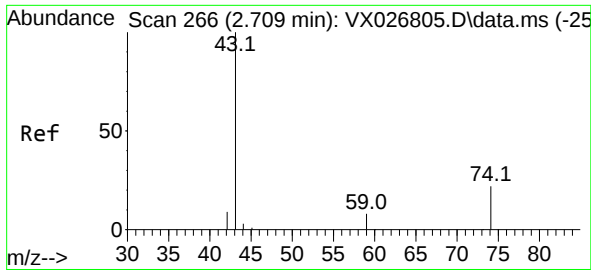
Tgt Ion: 43 Resp: 5109

Ion Ratio Lower Upper

43 100

58 31.0 23.0 34.6

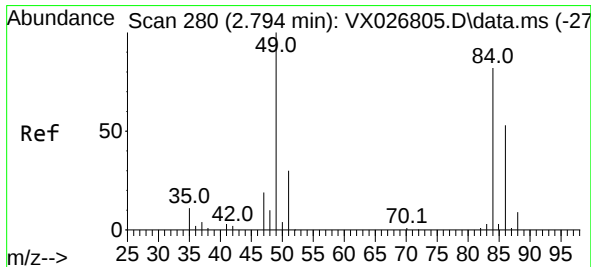
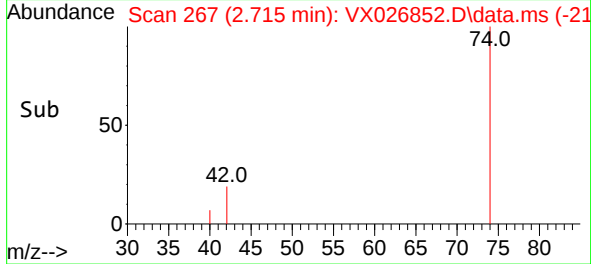
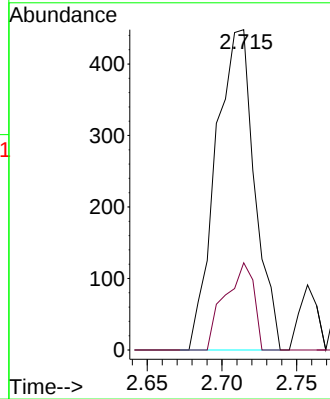
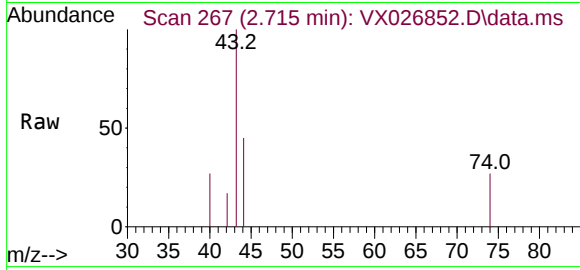




#18
Methyl Acetate
Concen: 0.408 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

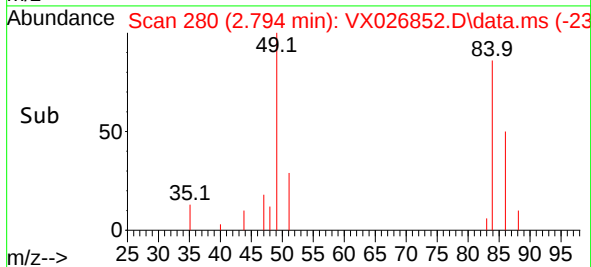
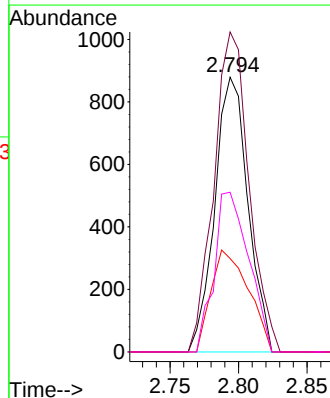
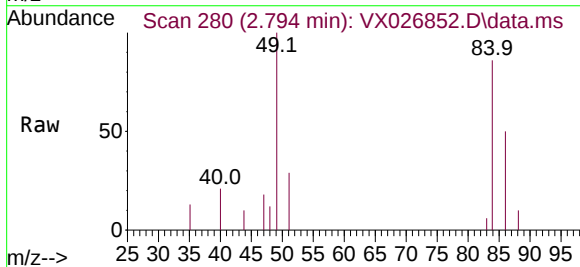
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

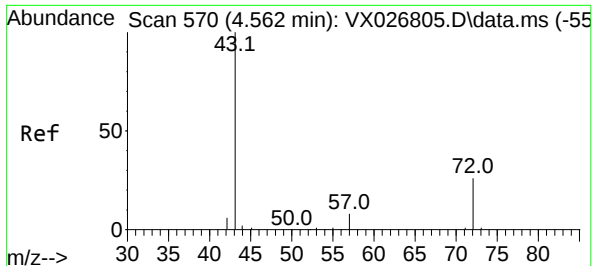
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
74 20.1 18.3 27.5



#20
Methylene Chloride
Concen: 0.993 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 84 Resp: 1485
Ion Ratio Lower Upper
84 100
49 116.5 101.5 152.3
51 34.0 31.2 46.8
86 58.1 51.3 76.9





#25

2-Butanone

Concen: 0.936 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX026852.D

Acq: 09 Feb 2022 03:34

Instrument :

MSVOA_X

ClientSampleId :

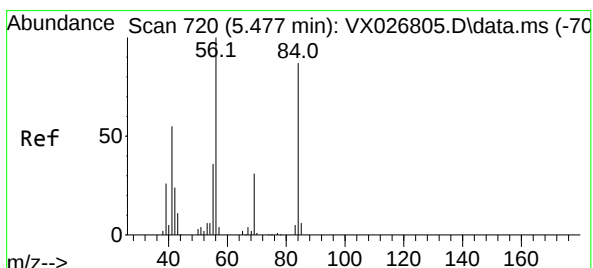
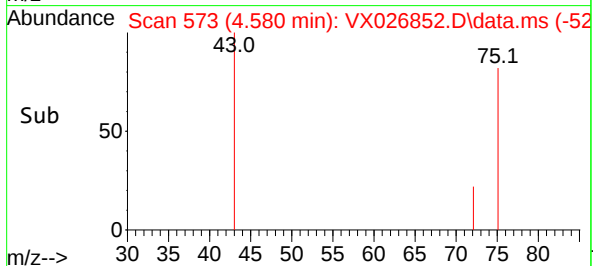
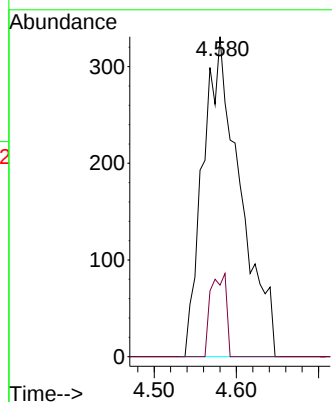
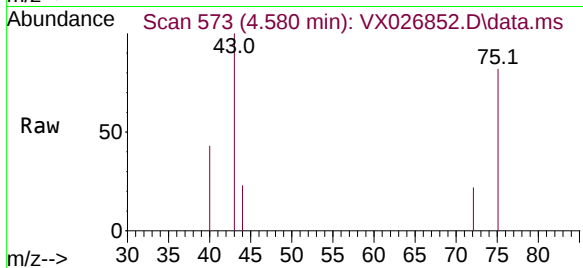
PB142539ZHE#05

Tgt Ion: 43 Resp: 1041

Ion Ratio Lower Upper

43 100

72 22.4 20.4 30.6



#31

Cyclohexane

Concen: 1.052 ug/l

RT: 5.555 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026852.D

Acq: 09 Feb 2022 03:34

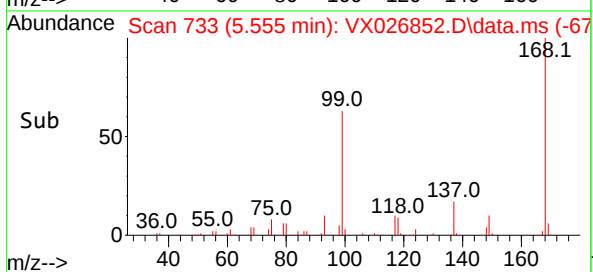
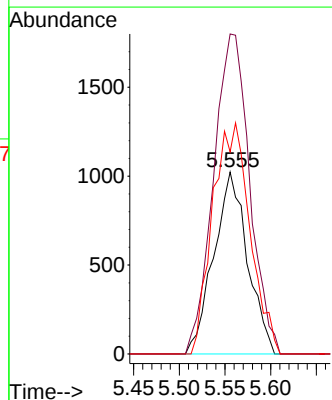
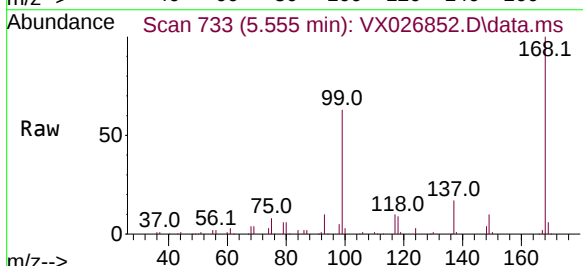
Tgt Ion: 56 Resp: 2626

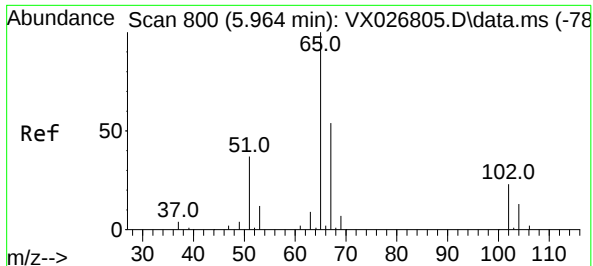
Ion Ratio Lower Upper

56 100

69 176.0 25.8 38.6#

84 111.1 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 53.804 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX026852.D

Acq: 09 Feb 2022 03:34

Instrument :

MSVOA_X

ClientSampleId :

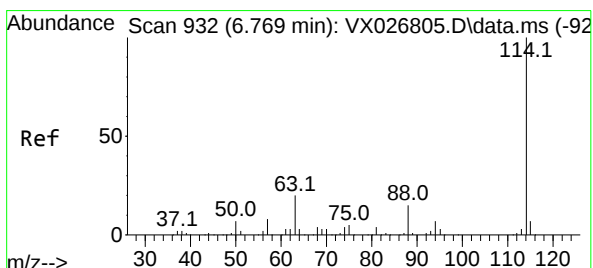
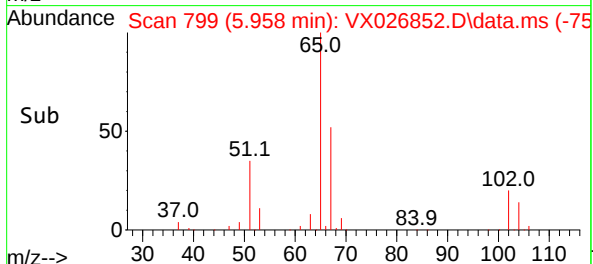
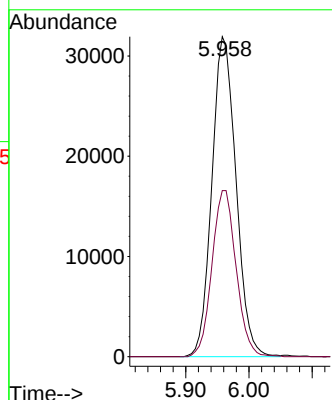
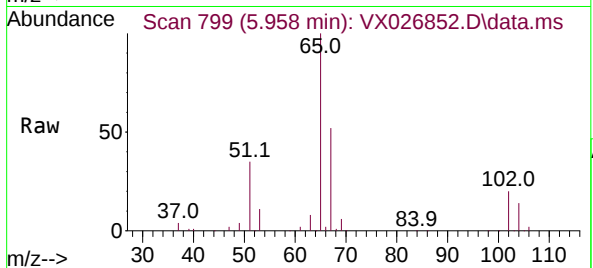
PB142539ZHE#05

Tgt Ion: 65 Resp: 84545

Ion Ratio Lower Upper

65 100

67 51.9 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: VX026852.D

Acq: 09 Feb 2022 03:34

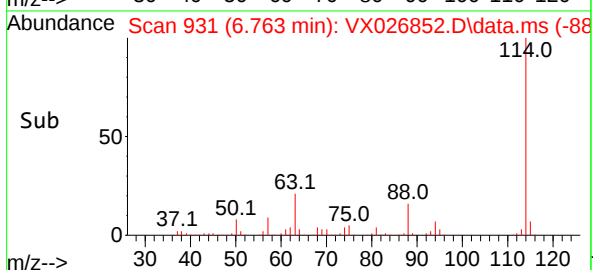
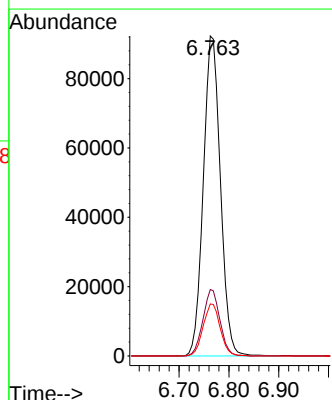
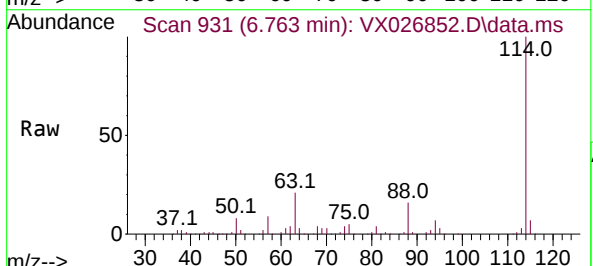
Tgt Ion: 114 Resp: 219660

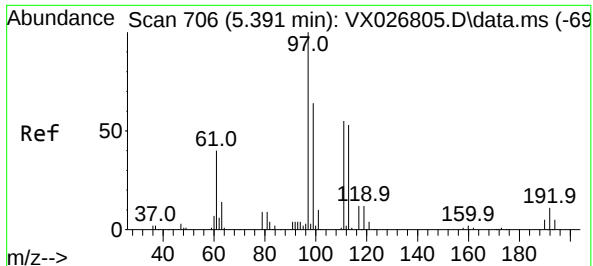
Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.8

88 16.3 0.0 33.0





#35

Dibromofluoromethane

Concen: 52.808 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX026852.D

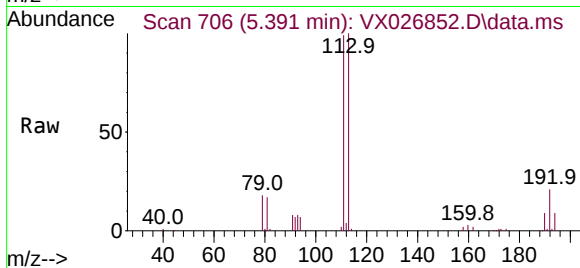
Acq: 09 Feb 2022 03:34

Instrument :

MSVOA_X

ClientSampleId :

PB142539ZHE#05



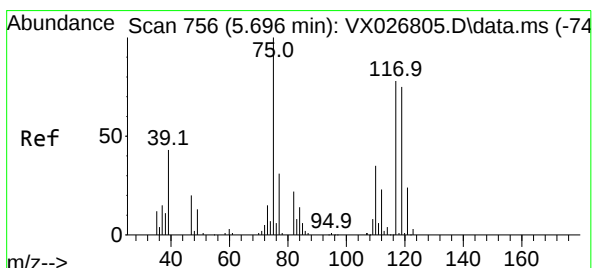
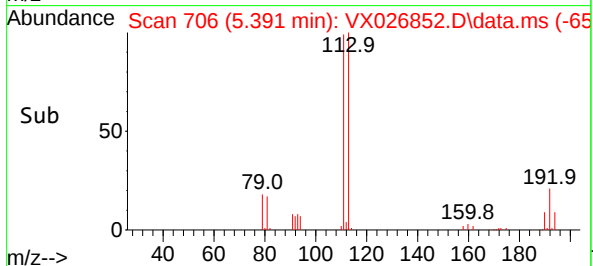
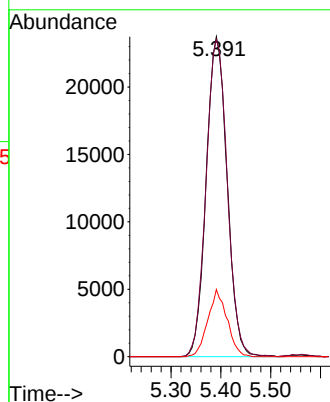
Tgt Ion:113 Resp: 69109

Ion Ratio Lower Upper

113 100

111 100.9 81.2 121.8

192 19.3 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.141 min

Lab File: VX026852.D

Acq: 09 Feb 2022 03:34

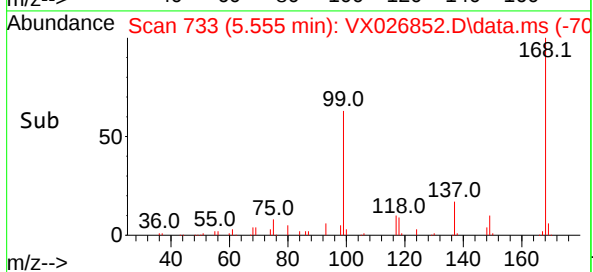
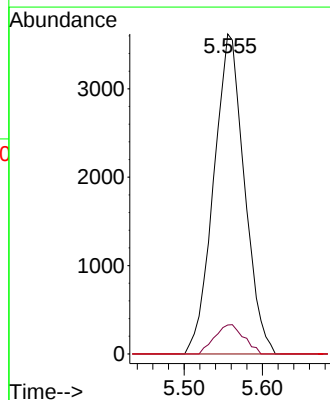
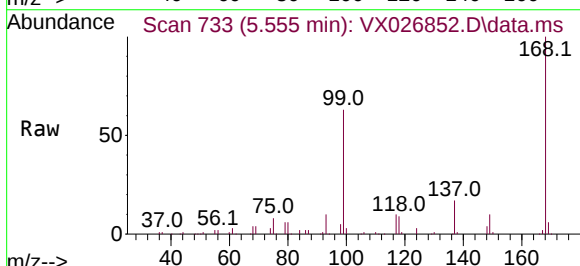
Tgt Ion: 75 Resp: 9846

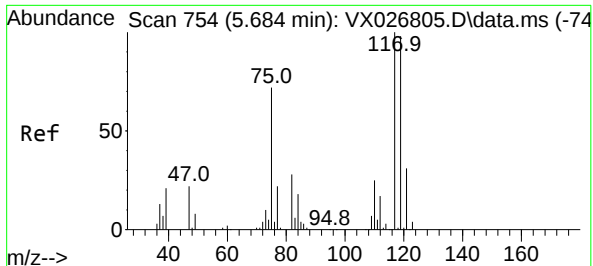
Ion Ratio Lower Upper

75 100

110 8.7 17.2 51.6#

77 0.0 24.6 36.8#

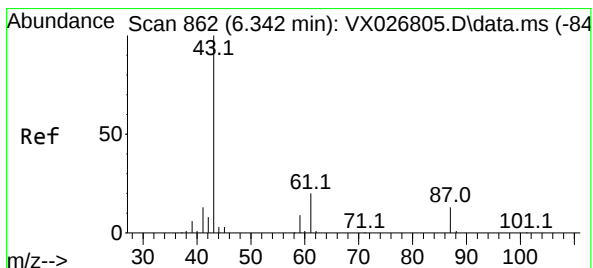
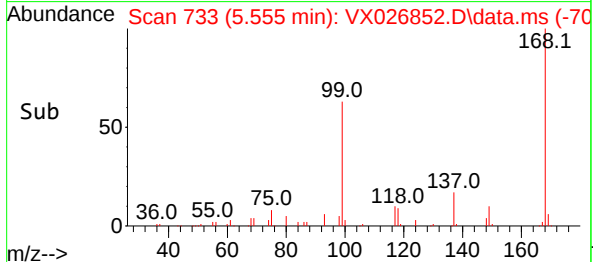
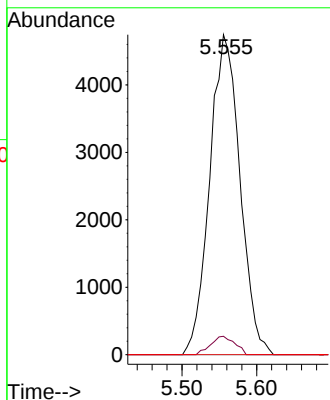
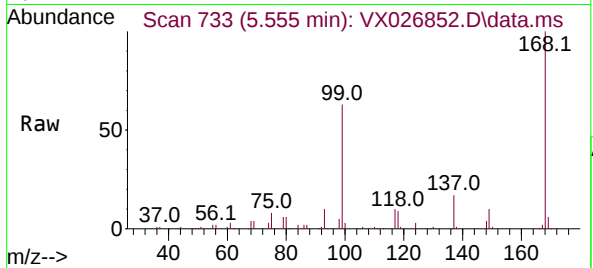




#38
Carbon Tetrachloride
Concen: 6.186 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

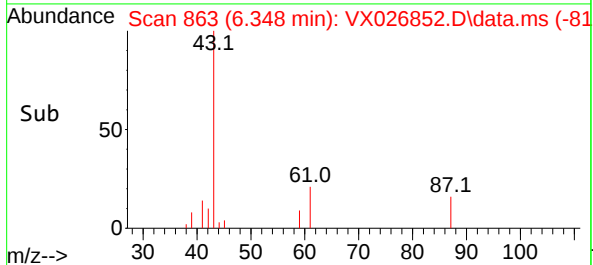
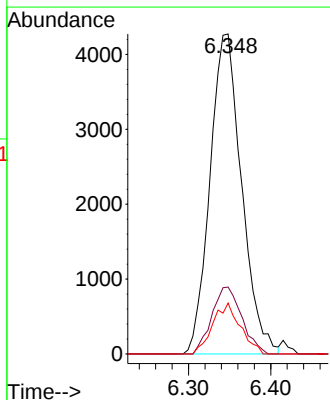
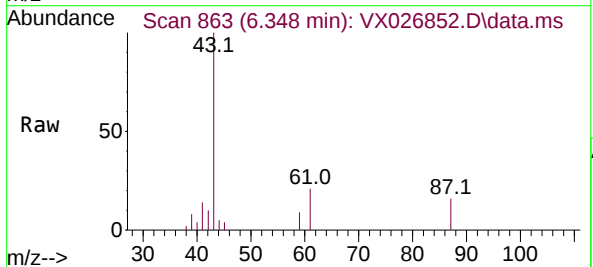
Instrument :
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ClientSampleId :
PB142539ZHE#05

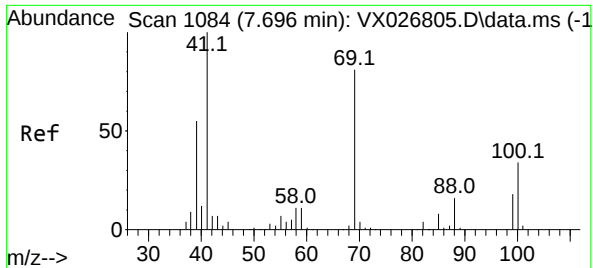
Tgt Ion:117 Resp: 13392
Ion Ratio Lower Upper
117 100
119 5.8 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 3.166 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 43 Resp: 11431
Ion Ratio Lower Upper
43 100
61 19.9 15.4 23.0
87 13.9 10.2 15.2

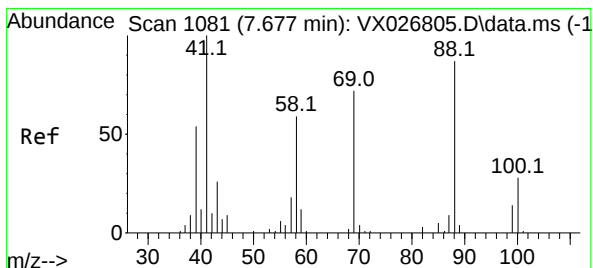
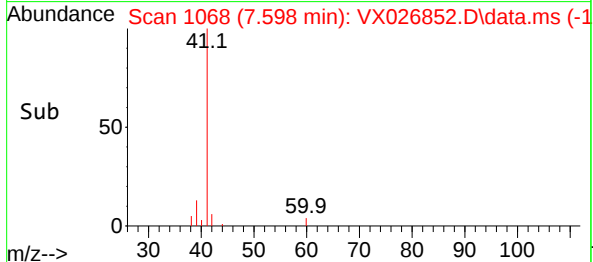
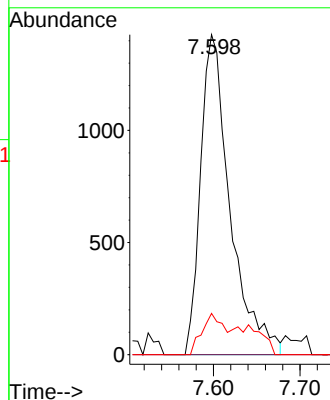
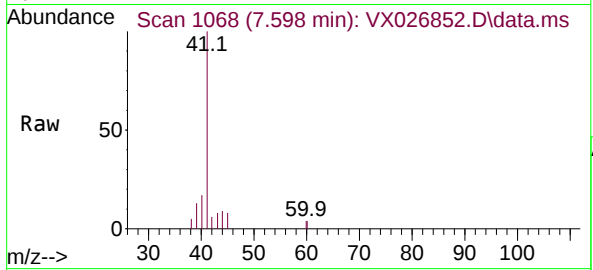




#48
Methyl methacrylate
Concen: 1.889 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

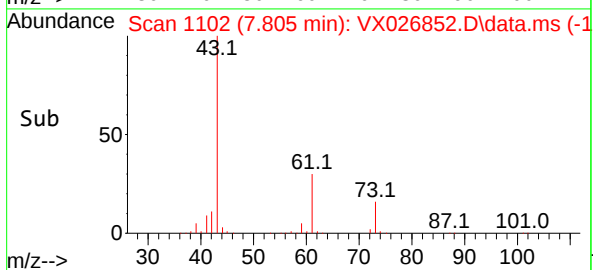
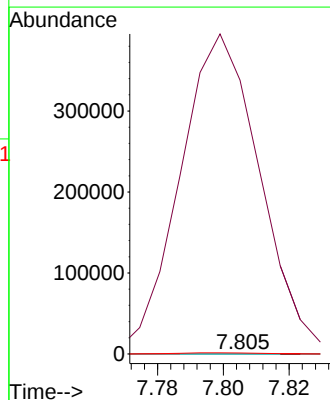
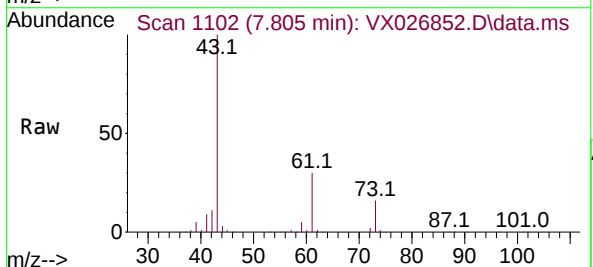
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

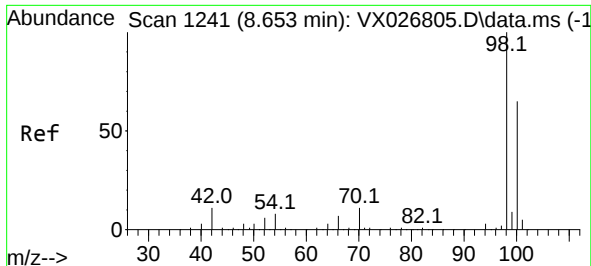
Tgt Ion: 41 Resp: 3378
Ion Ratio Lower Upper
41 100
69 0.0 62.2 93.4#
39 0.0 45.4 68.0#



#49
1,4-Dioxane
Concen: 2.044 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.128 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 88 Resp: 63
Ion Ratio Lower Upper
88 100
43 1073055.6 29.9 44.9#
58 3955.6 57.8 86.6#

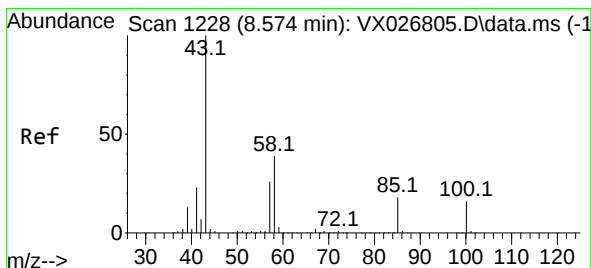
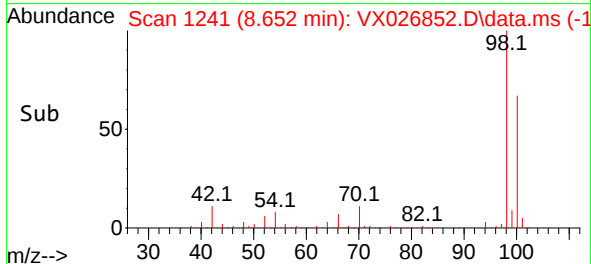
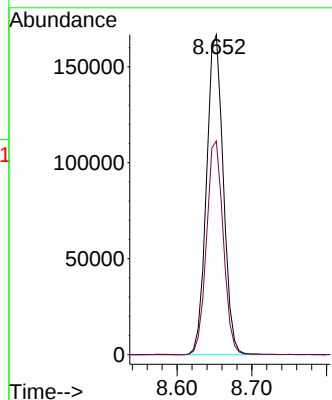
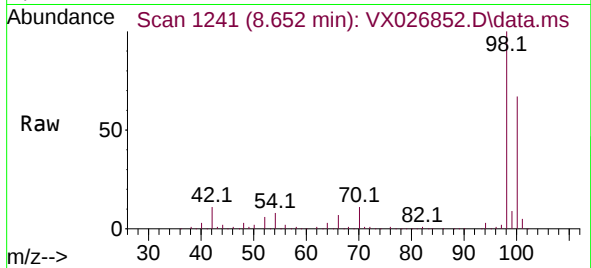




#50
Toluene-d8
Concen: 54.089 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

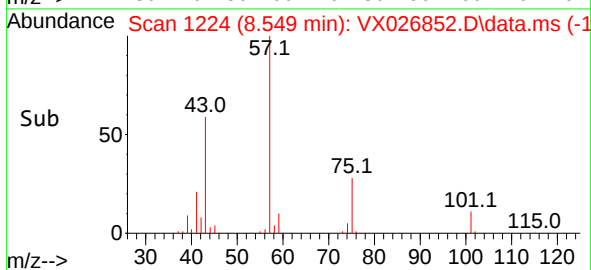
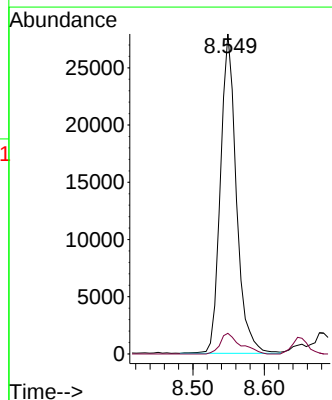
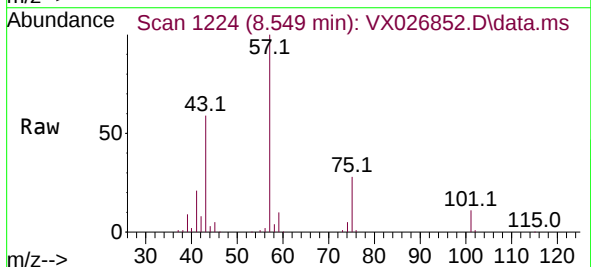
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

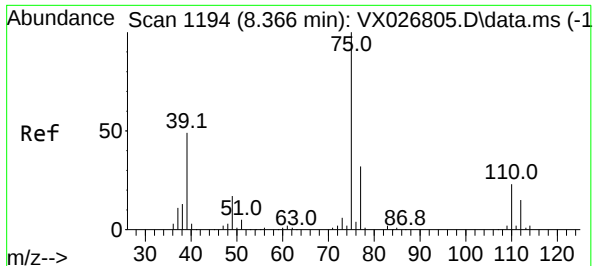
Tgt Ion: 98 Resp: 259833
Ion Ratio Lower Upper
98 100
100 66.8 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 19.805 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 43 Resp: 43325
Ion Ratio Lower Upper
43 100
58 8.2 30.5 45.7#

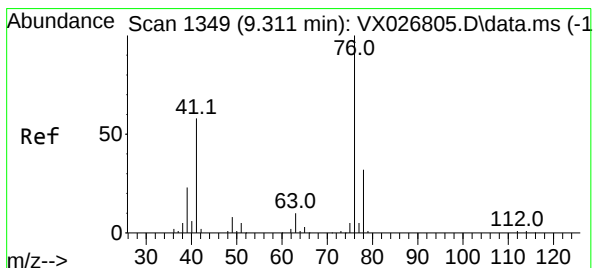
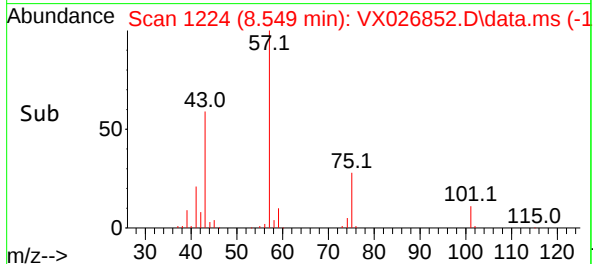
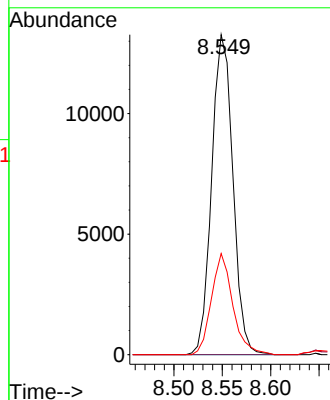
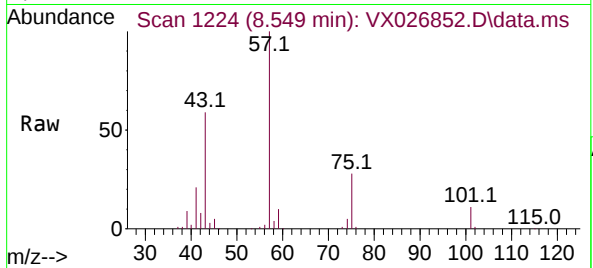




#54
 cis-1,3-Dichloropropene
 Concen: 9.083 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX026852.D
 Acq: 09 Feb 2022 03:34

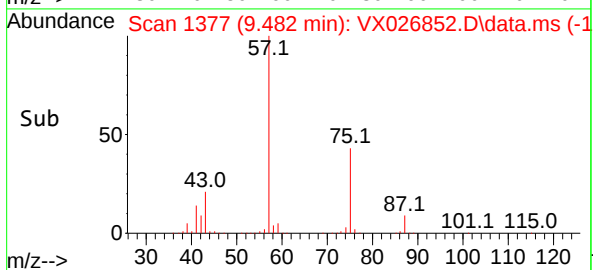
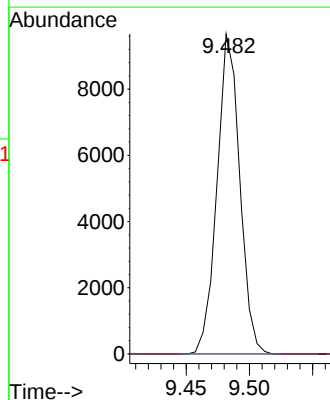
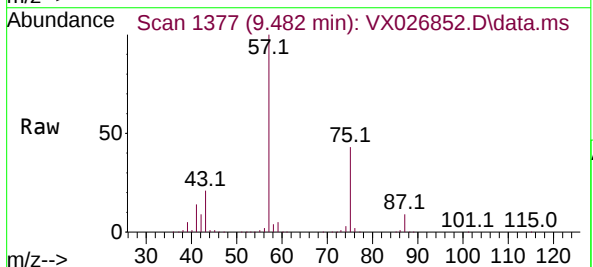
Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#05

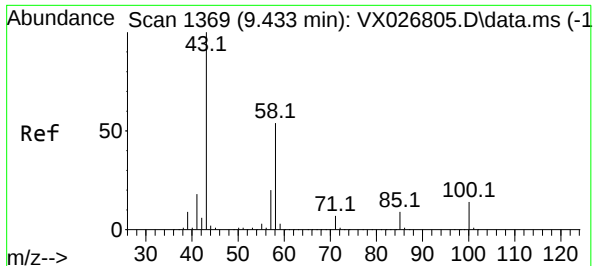
Tgt Ion: 75 Resp: 20233
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#
 39 31.6 43.5 65.3#



#57
 1,3-Dichloropropane
 Concen: 4.866 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.170 min
 Lab File: VX026852.D
 Acq: 09 Feb 2022 03:34

Tgt Ion: 76 Resp: 12051
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

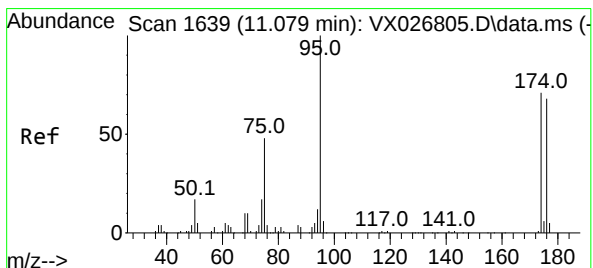
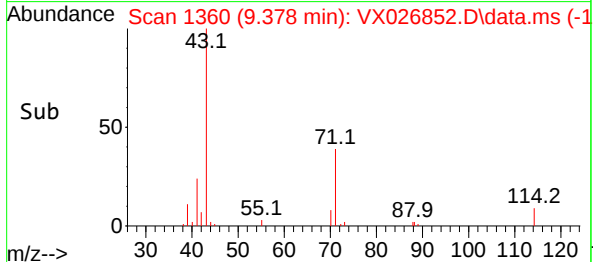
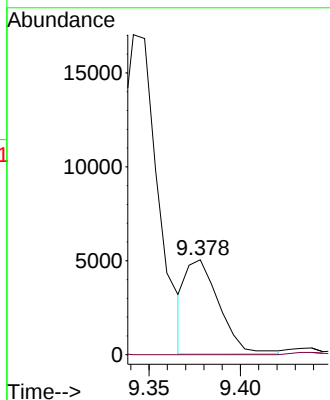
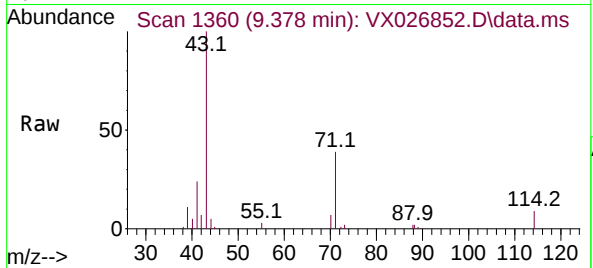




#59
2-Hexanone
Concen: 3.975 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

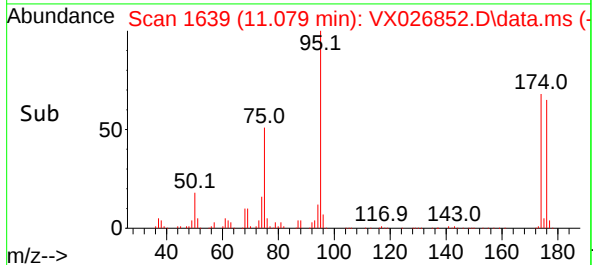
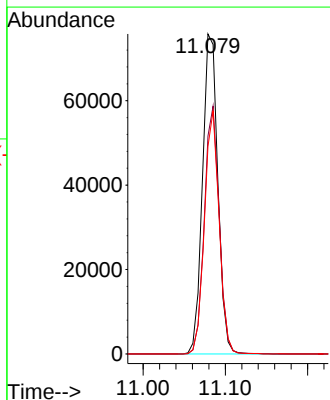
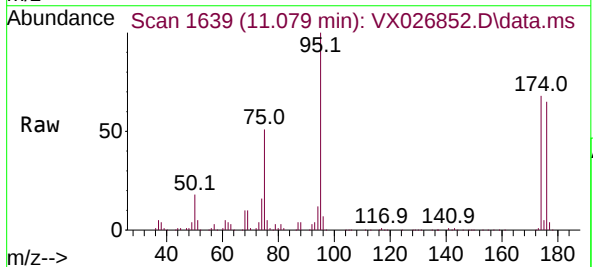
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

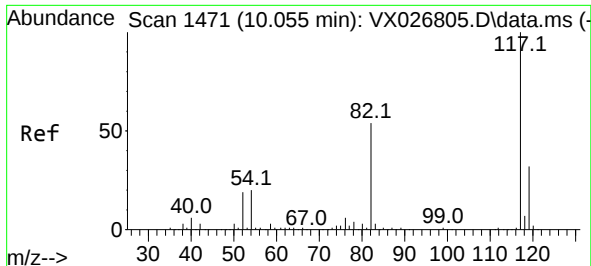
Tgt Ion: 43 Resp: 6361
Ion Ratio Lower Upper
43 100
58 0.0 26.4 79.2#



#62
4-Bromofluorobenzene
Concen: 58.127 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 95 Resp: 98308
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.6
176 72.7 0.0 141.4

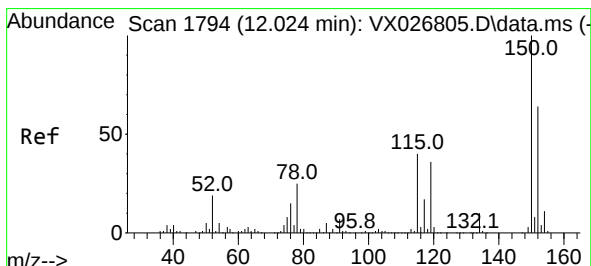
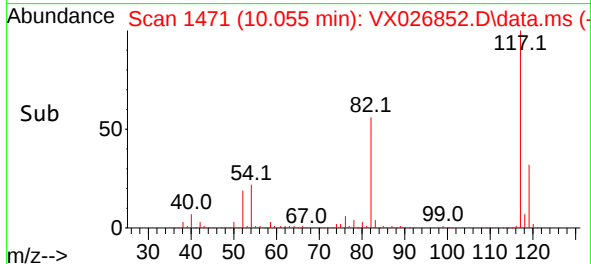
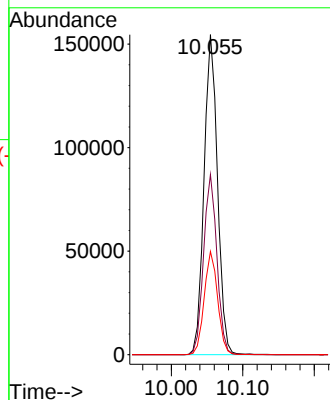
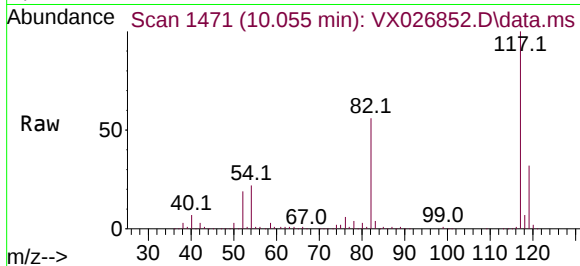




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

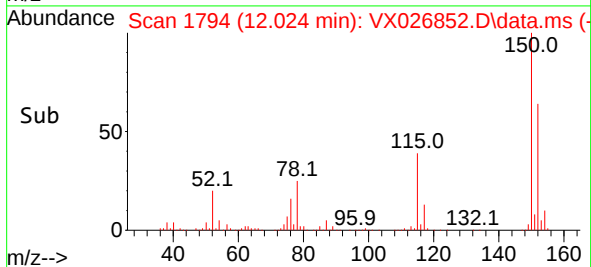
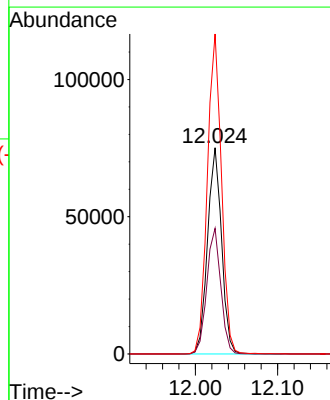
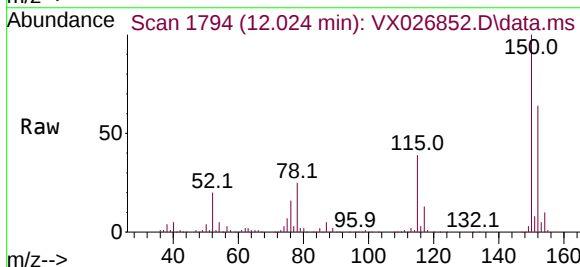
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

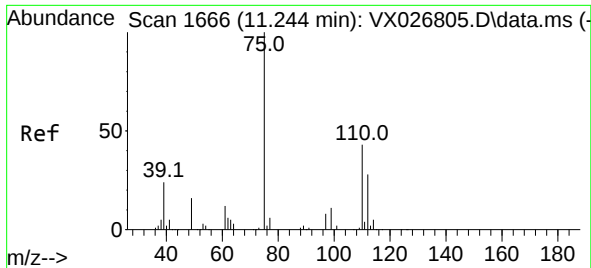
Tgt Ion:117 Resp: 202285
Ion Ratio Lower Upper
117 100
82 56.3 45.2 67.8
119 32.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion:152 Resp: 89053
Ion Ratio Lower Upper
152 100
115 60.7 44.2 132.6
150 155.8 0.0 348.2

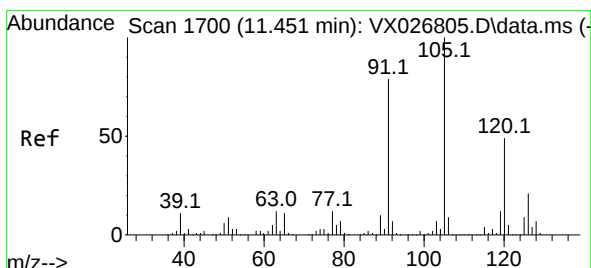
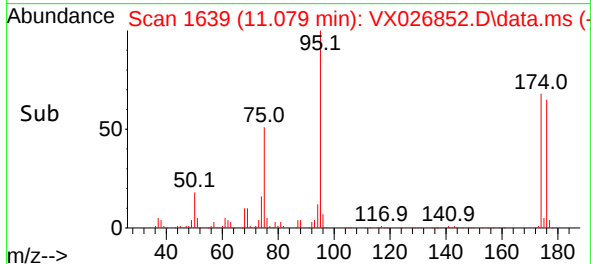
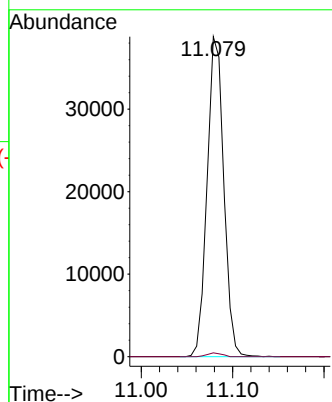
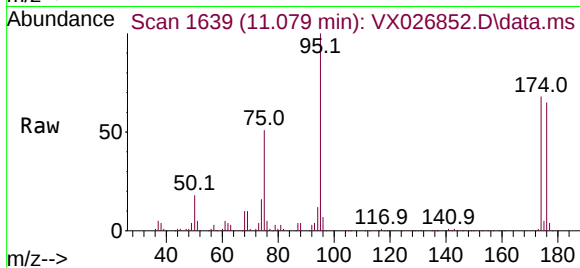




#76
1,2,3-Trichloropropane
Concen: 25.114 ug/l
RT: 11.079 min Scan# 110
Delta R.T. -0.165 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

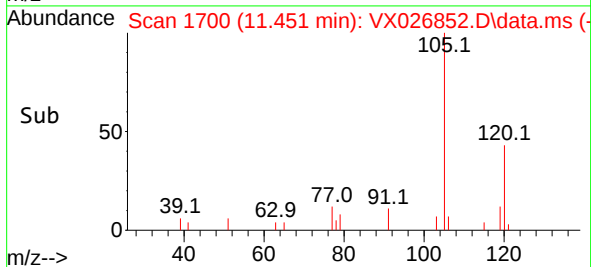
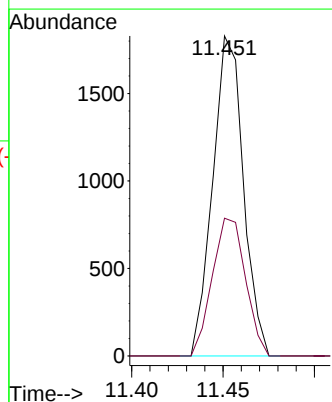
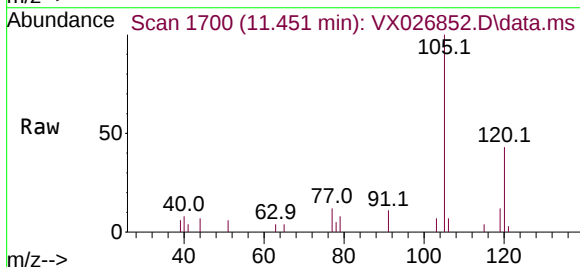
Instrument :
MSVOA_X
ClientSampleId :
PB142539ZHE#05

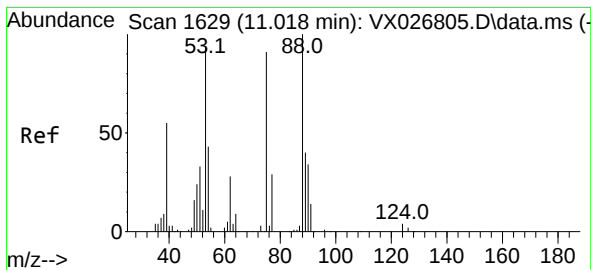
Tgt Ion: 75 Resp: 48957
Ion Ratio Lower Upper
75 100
77 1.1 18.3 54.8#



#80
1,3,5-Trimethylbenzene
Concen: 0.370 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX026852.D
Acq: 09 Feb 2022 03:34

Tgt Ion: 105 Resp: 2134
Ion Ratio Lower Upper
105 100
120 46.7 24.0 72.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.587 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026852.D
 Acq: 09 Feb 2022 03:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB142539ZHE#05

Tgt Ion: 75 Resp: 48957
 Ion Ratio Lower Upper
 75 100
 53 0.0 94.0 141.0#
 89 0.0 37.0 55.4#

