

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026204.D
 Acq On : 31 Dec 2021 05:57
 Operator : JC/MD
 Sample : PB141758ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 21:37:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	141289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	246294	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90999	50.000	ug/l	0.00

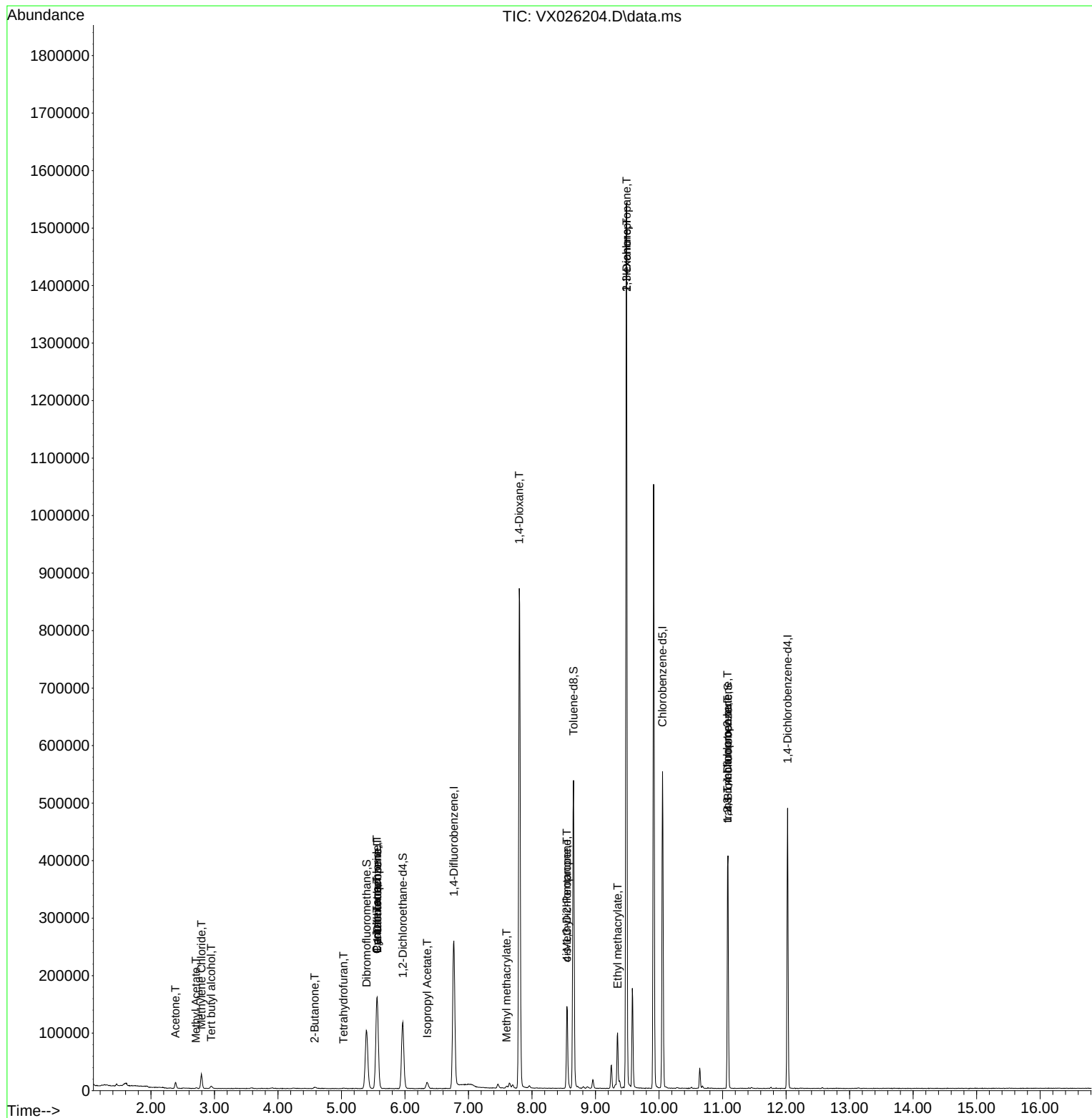
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	109656	53.647	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.300%	
35) Dibromofluoromethane	5.397	113	84588	52.827	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.660%	
50) Toluene-d8	8.653	98	296781	49.829	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.085	95	98605	46.506	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.020%	

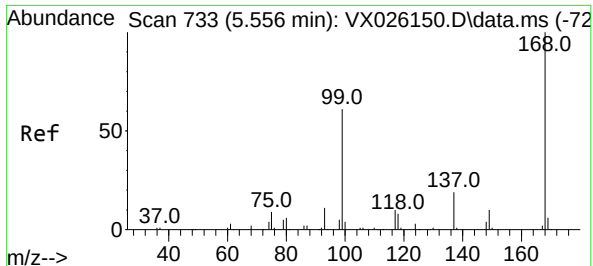
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	2661	6.518	ug/l #	73
16) Acetone	2.386	43	12087	10.914	ug/l	92
18) Methyl Acetate	2.709	43	1872	0.521	ug/l #	87
20) Methylene Chloride	2.794	84	9850	4.706	ug/l #	87
25) 2-Butanone	4.574	43	3410	2.210	ug/l #	87
29) Tetrahydrofuran	5.031	42	369	0.379	ug/l #	66
31) Cyclohexane	5.556	56	3824	1.314	ug/l #	30
36) 1,1-Dichloropropene	5.562	75	12640	4.894	ug/l #	49
38) Carbon Tetrachloride	5.556	117	15292	5.323	ug/l #	16
43) Isopropyl Acetate	6.348	43	14851	3.043	ug/l	95
48) Methyl methacrylate	7.598	41	4719	2.016	ug/l #	12
49) 1,4-Dioxane	7.799	88	67	1.553	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	51425	16.932	ug/l #	48
54) cis-1,3-Dichloropropene	8.549	75	20760	6.904	ug/l #	69
56) Ethyl methacrylate	9.348	69	621	0.216	ug/l #	1
57) 1,3-Dichloropropane	9.488	76	12438	3.894	ug/l #	42
59) 2-Hexanone	9.488	43	194085	84.363	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	56215	25.593	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56215	74.041	ug/l #	10

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

Instrument :
MSVOA_X
ClientSampleId :

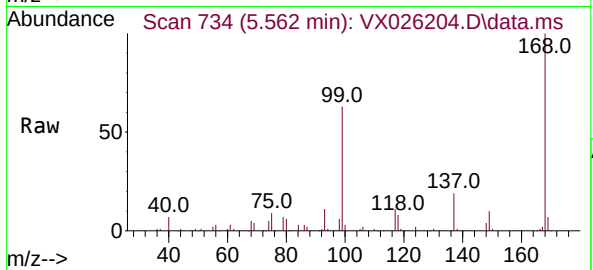
Instrument :
MSVOA_X
ClientSampleId :



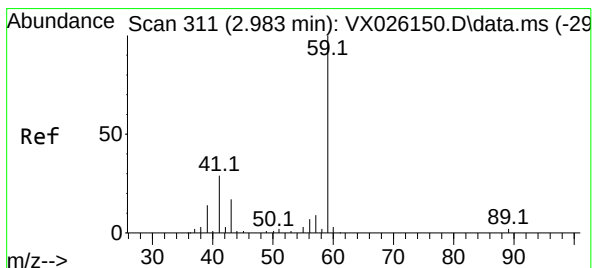
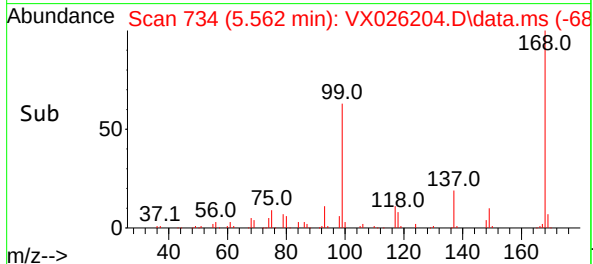
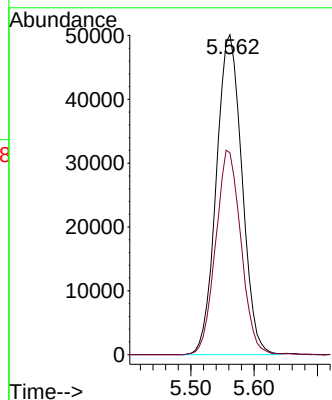


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Instrument :
MSVOA_X
ClientSampleId :

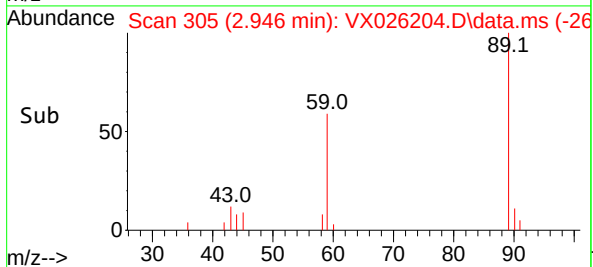
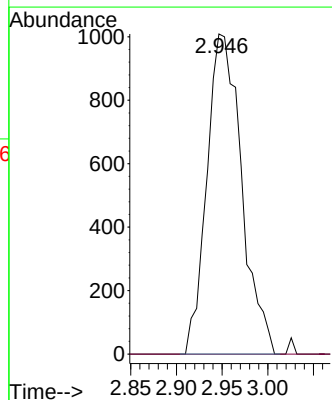
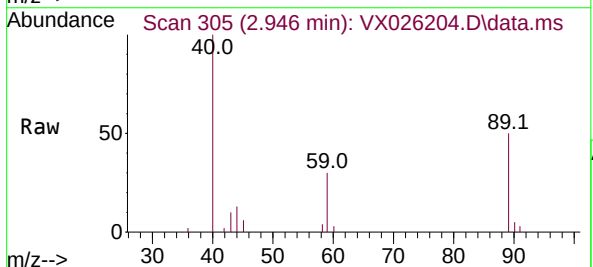


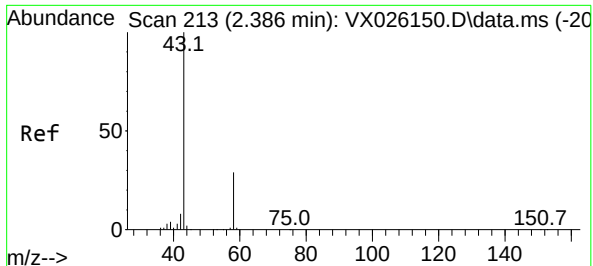
Tgt Ion:168 Resp: 141289
Ion Ratio Lower Upper
168 100
99 63.1 45.8 68.8



#11
Tert butyl alcohol
Concen: 6.518 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Tgt Ion: 59 Resp: 2661
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

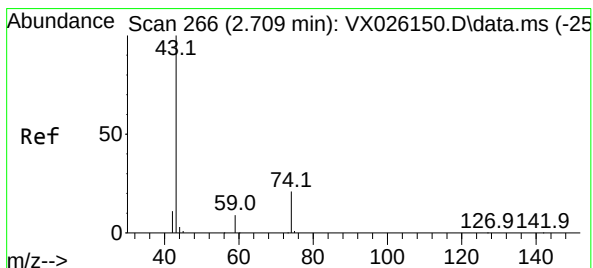
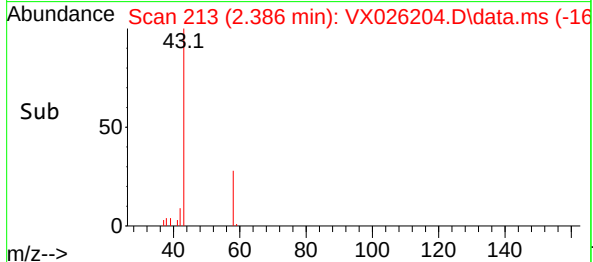
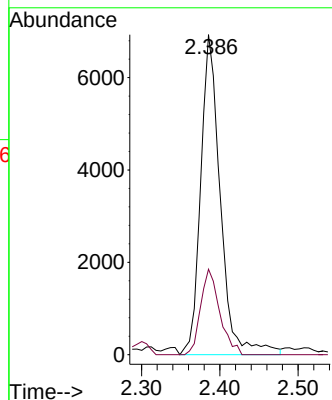
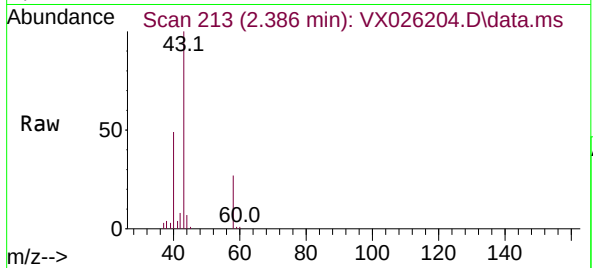




#16
Acetone
Concen: 10.914 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

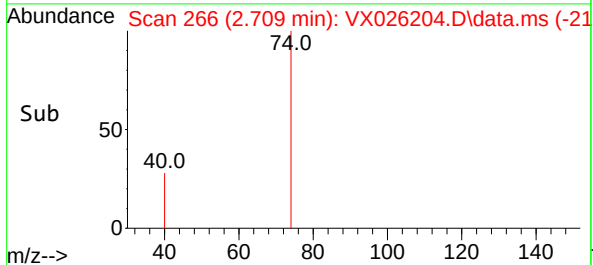
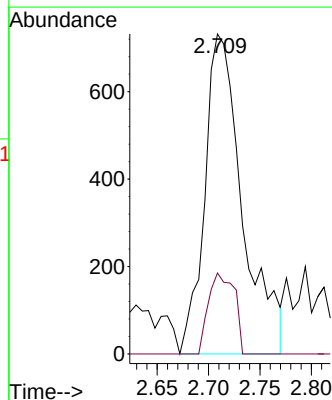
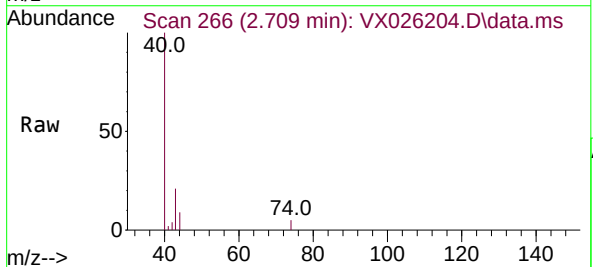
Instrument :
MSVOA_X
ClientSampleId :

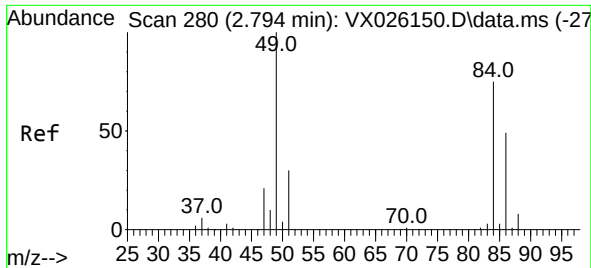
Tgt Ion: 43 Resp: 12087
Ion Ratio Lower Upper
43 100
58 26.7 24.8 37.2



#18
Methyl Acetate
Concen: 0.521 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

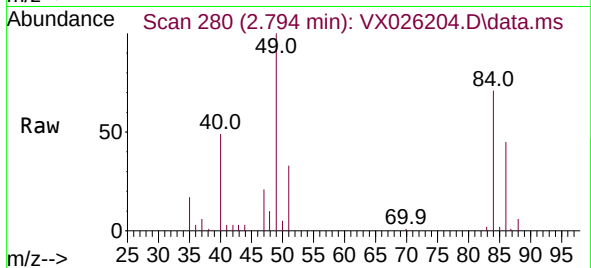
Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
74 17.4 19.1 28.7#



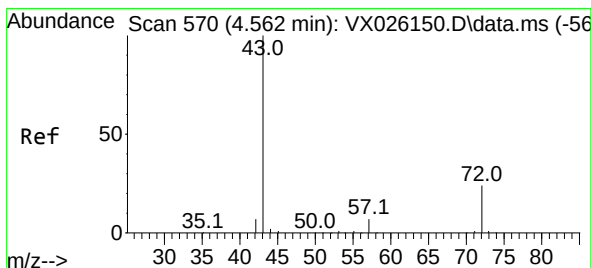
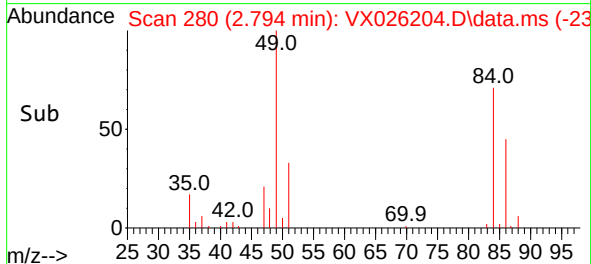
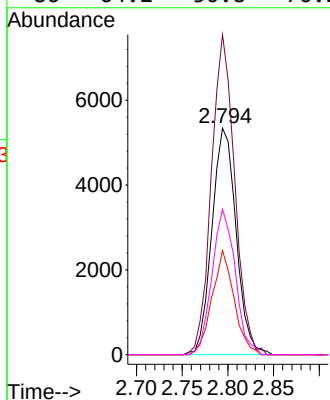


#20
Methylene Chloride
Concen: 4.706 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Instrument :
MSVOA_X
ClientSampleId :

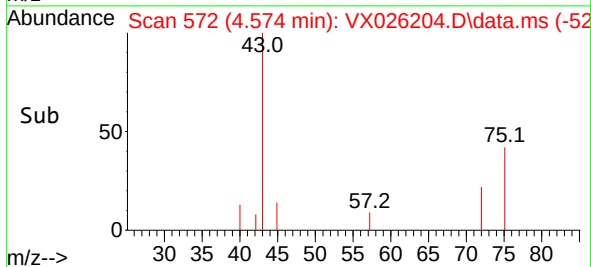
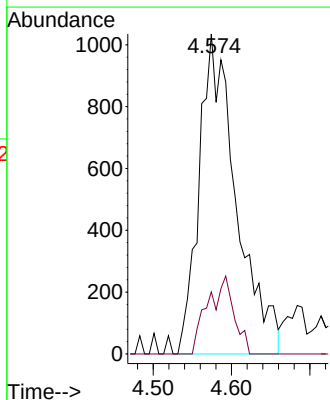
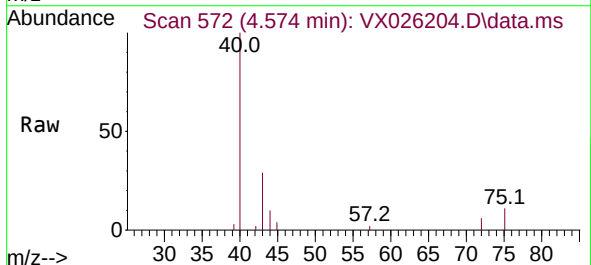


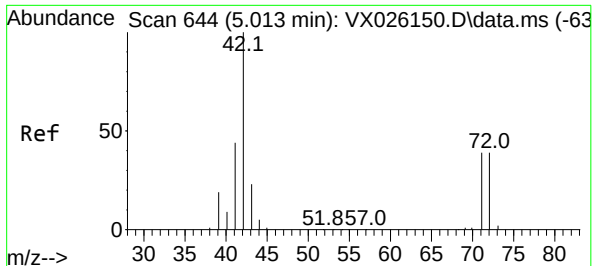
Tgt Ion:	84	Resp:	9850
Ion	Ratio	Lower	Upper
84	100		
49	141.3	97.1	145.7
51	46.0	29.3	43.9#
86	64.2	50.8	76.2



#25
2-Butanone
Concen: 2.210 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Tgt Ion:	43	Resp:	3410
Ion	Ratio	Lower	Upper
43	100		
72	19.4	21.0	31.4#





#29

Tetrahydrofuran

Concen: 0.379 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX026204.D

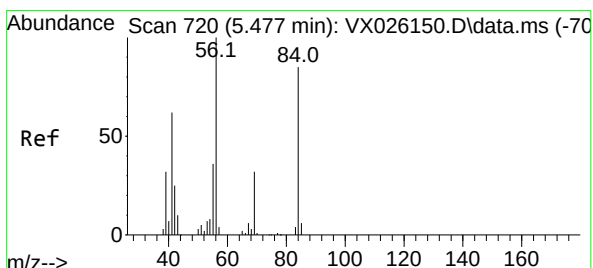
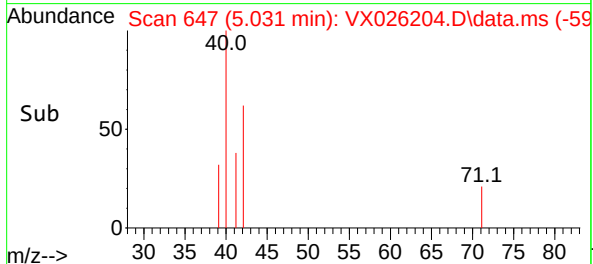
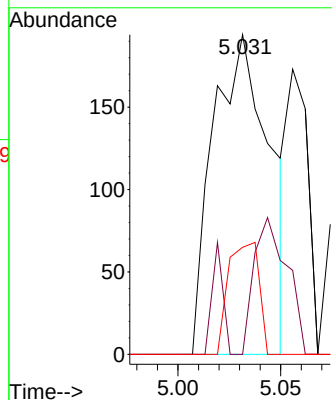
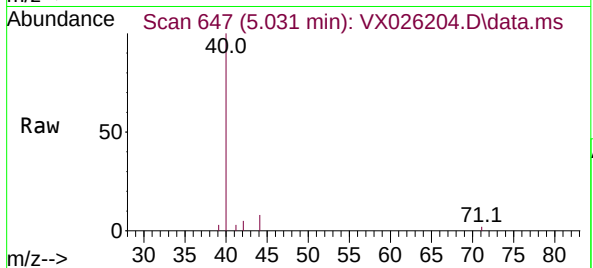
Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	369
Ion	Ratio	Lower	Upper
42	100		
72	25.2	37.0	55.6#
71	19.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.314 ug/l

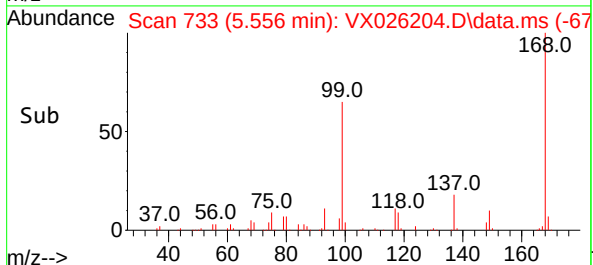
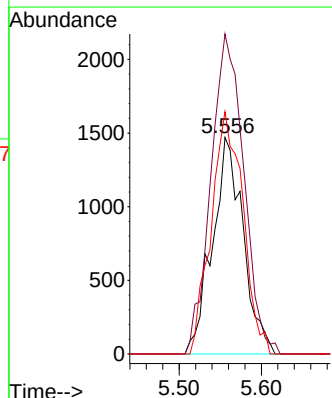
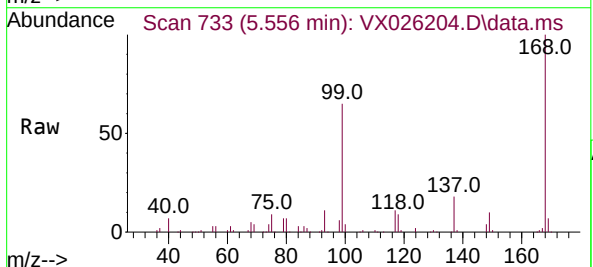
RT: 5.556 min Scan# 733

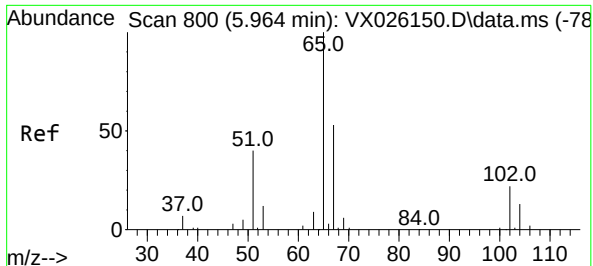
Delta R.T. 0.079 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Tgt Ion:	56	Resp:	3824
Ion	Ratio	Lower	Upper
56	100		
69	147.8	23.9	35.9#
84	111.9	73.2	109.8#





#33

1,2-Dichloroethane-d4

Concen: 53.647 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

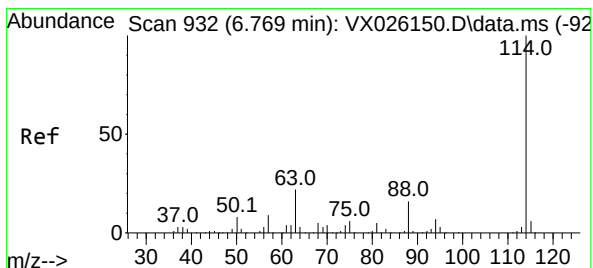
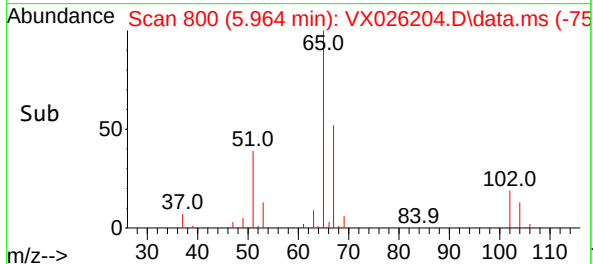
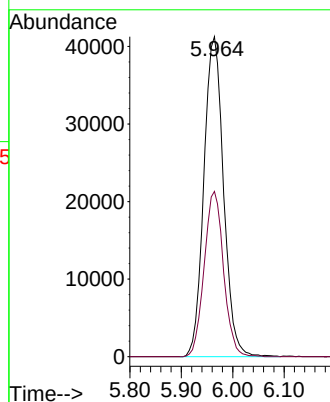
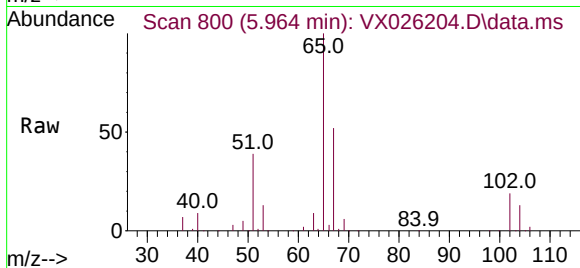
ClientSampleId :

Tgt Ion: 65 Resp: 109656

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

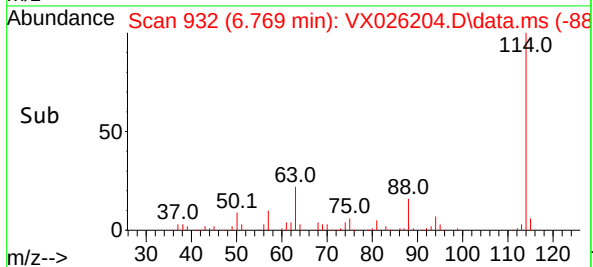
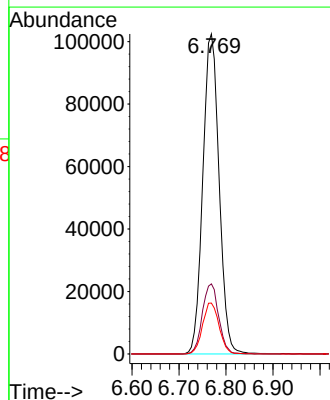
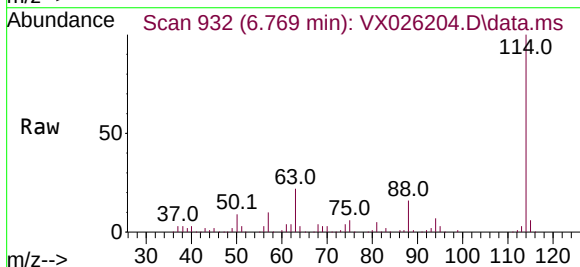
Tgt Ion: 114 Resp: 246294

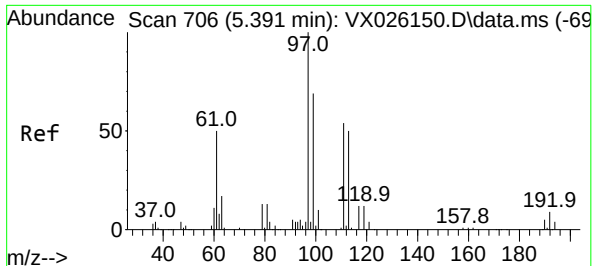
Ion Ratio Lower Upper

114 100

63 21.9 0.0 40.0

88 15.9 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.827 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

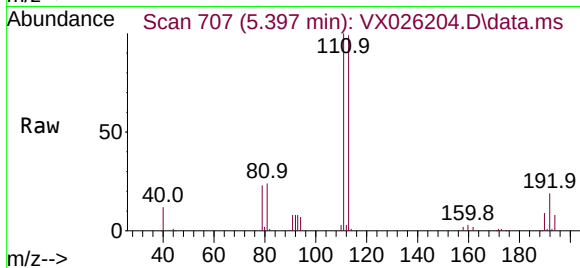
Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

ClientSampleId :



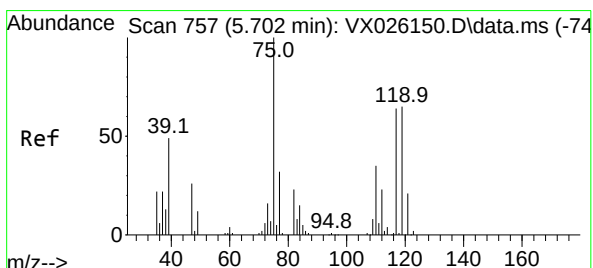
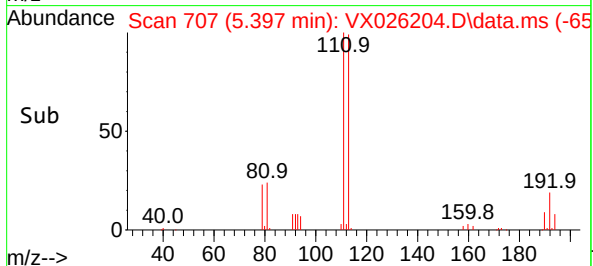
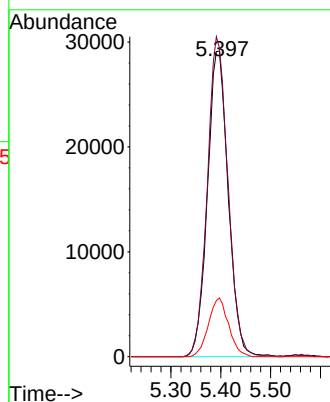
Tgt Ion:113 Resp: 84588

Ion Ratio Lower Upper

113 100

111 103.5 81.8 122.8

192 18.6 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.894 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

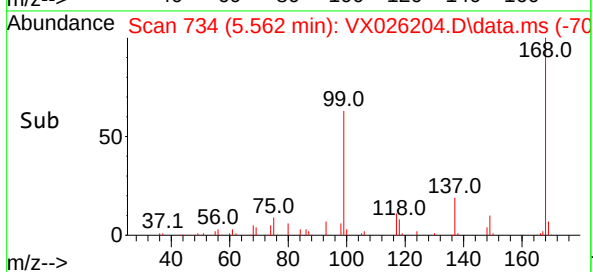
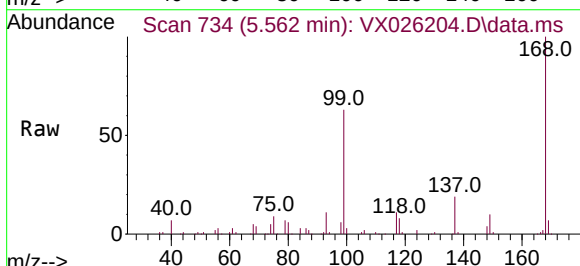
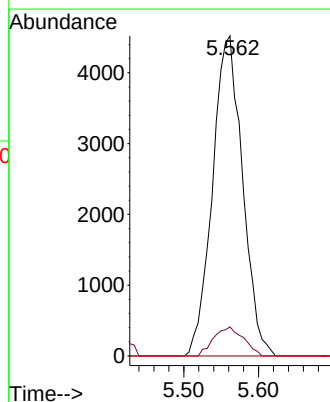
Tgt Ion: 75 Resp: 12640

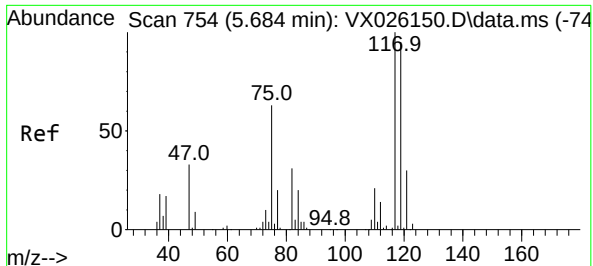
Ion Ratio Lower Upper

75 100

110 9.0 18.2 54.6#

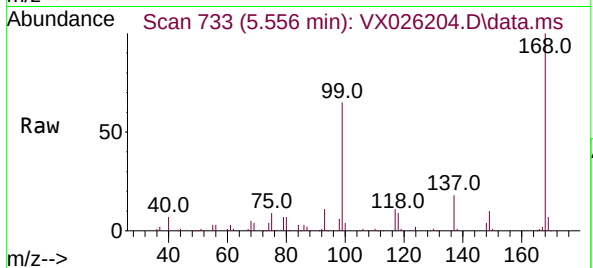
77 0.0 24.7 37.1#



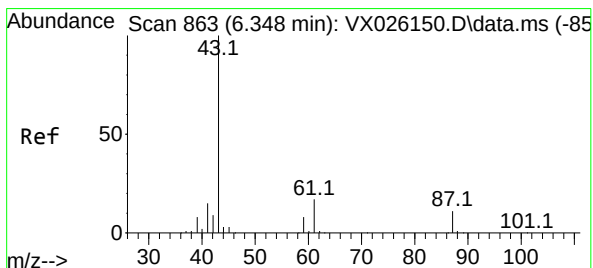
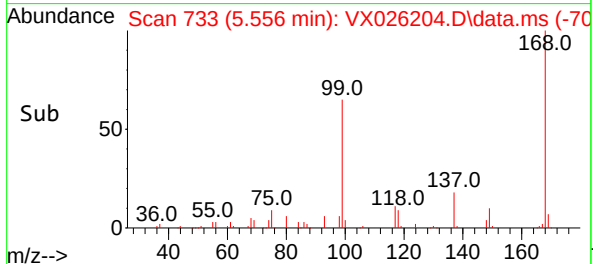
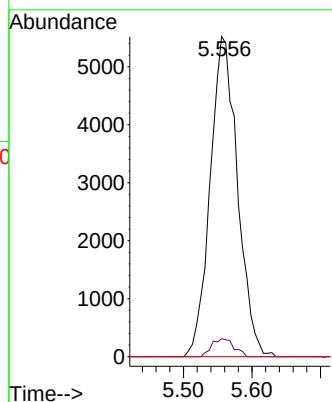


#38
Carbon Tetrachloride
Concen: 5.323 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Instrument :
MSVOA_X
ClientSampleId :

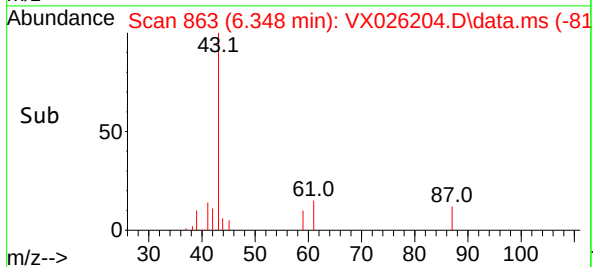
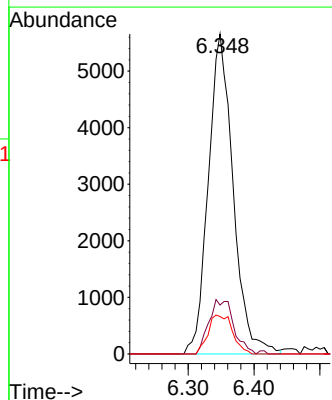
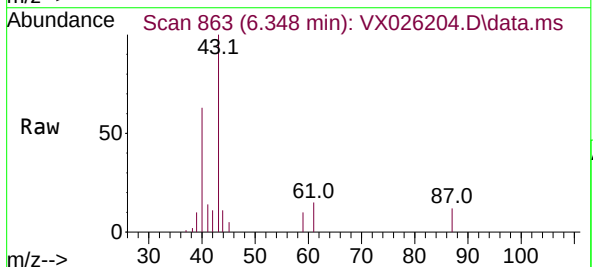


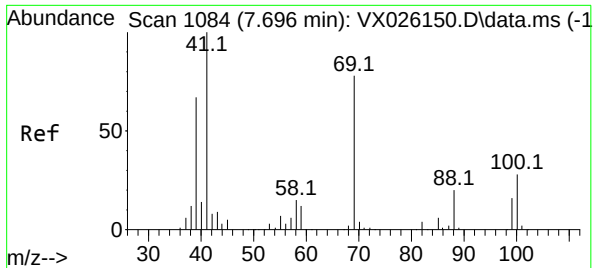
Tgt Ion:117 Resp: 15292
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.043 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Tgt Ion: 43 Resp: 14851
Ion Ratio Lower Upper
43 100
61 16.9 15.7 23.5
87 12.0 11.2 16.8

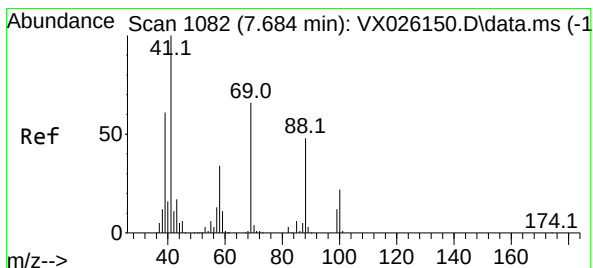
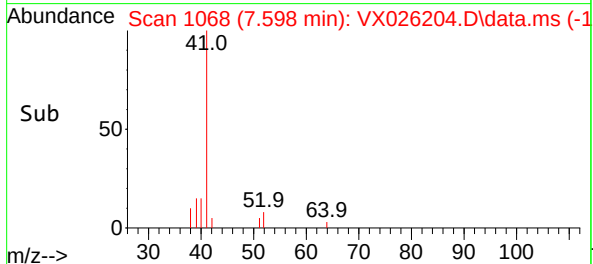
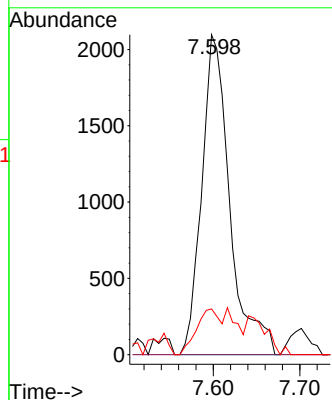
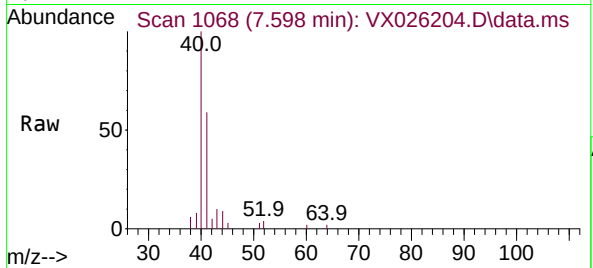




#48
Methyl methacrylate
Concen: 2.016 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

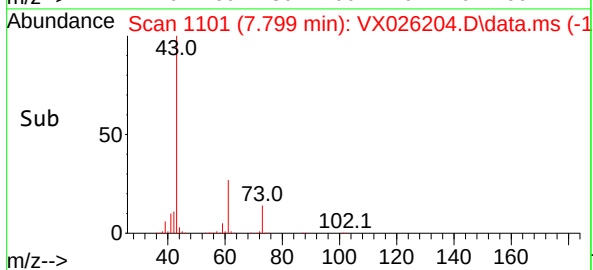
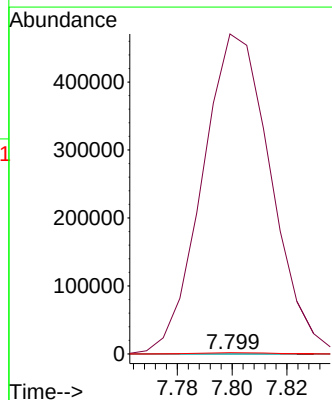
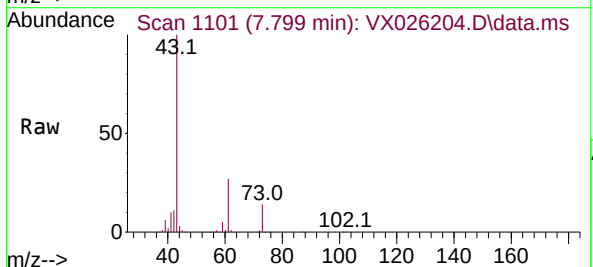
Instrument :
MSVOA_X
ClientSampleId :

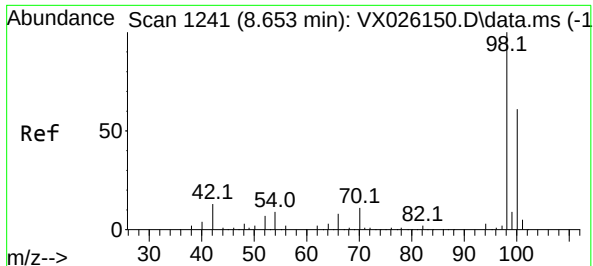
Tgt Ion: 41 Resp: 4719
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 1.553 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX026204.D
Acq: 31 Dec 2021 05:57

Tgt Ion: 88 Resp: 67
Ion Ratio Lower Upper
88 100
43 1231422.4 25.3 37.9#
58 5246.3 51.8 77.6#





#50

Toluene-d8

Concen: 49.829 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

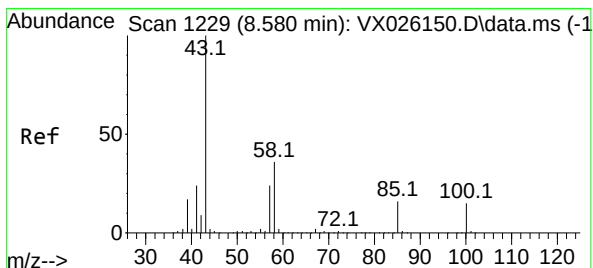
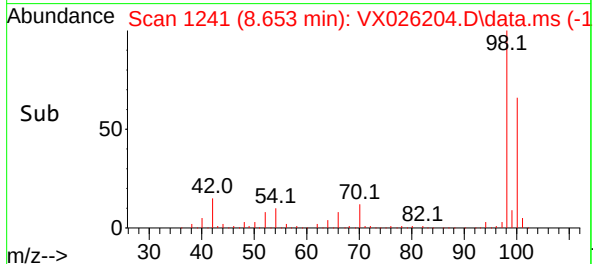
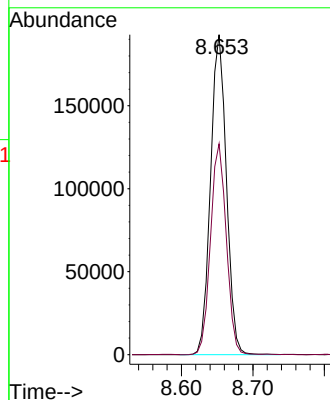
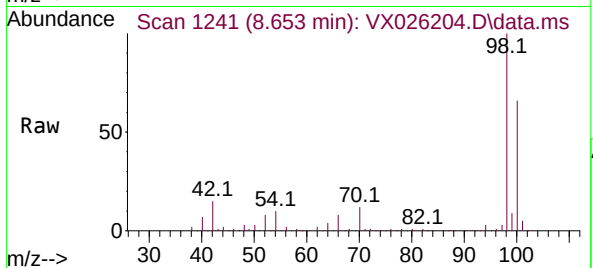
ClientSampleId :

Tgt Ion: 98 Resp: 296781

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 16.932 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX026204.D

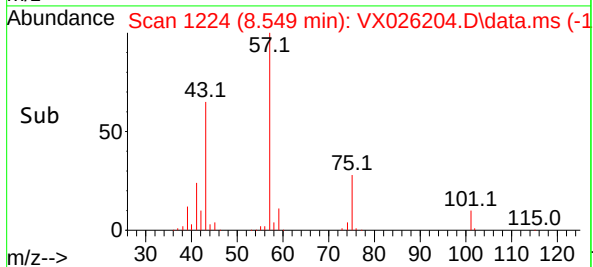
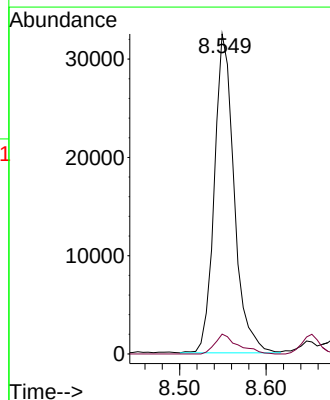
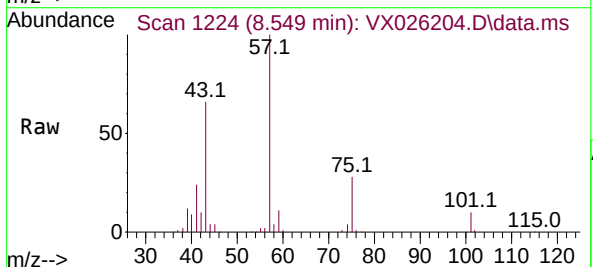
Acq: 31 Dec 2021 05:57

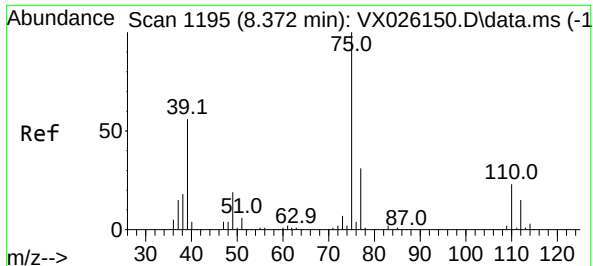
Tgt Ion: 43 Resp: 51425

Ion Ratio Lower Upper

43 100

58 7.2 30.8 46.2#

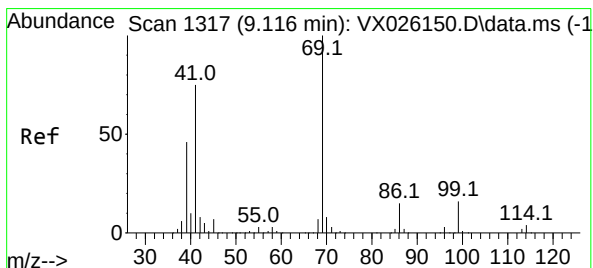
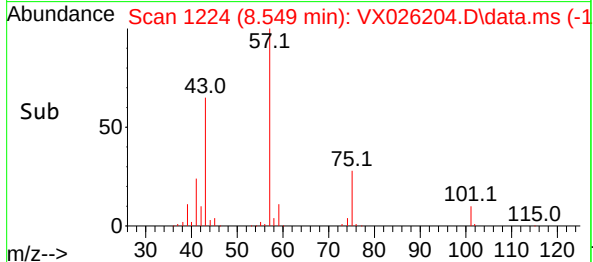
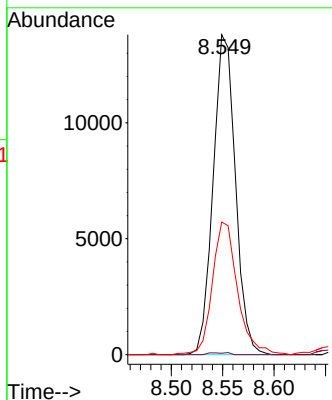
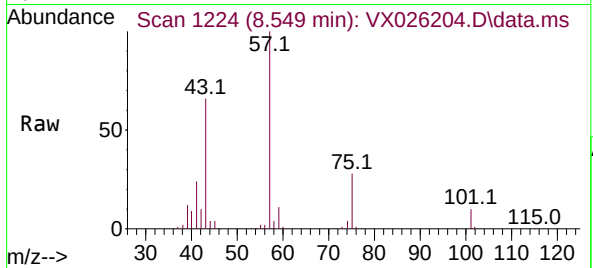




#54
 cis-1,3-Dichloropropene
 Concen: 6.904 ug/l
 RT: 8.549 min Scan# 1195
 Delta R.T. 0.177 min
 Lab File: VX026204.D
 Acq: 31 Dec 2021 05:57

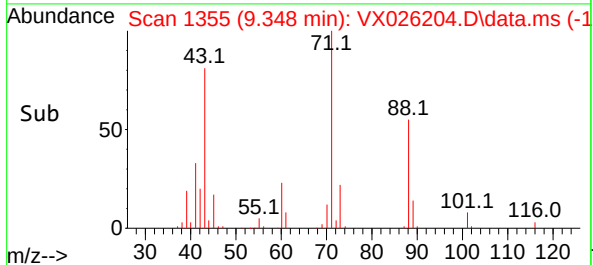
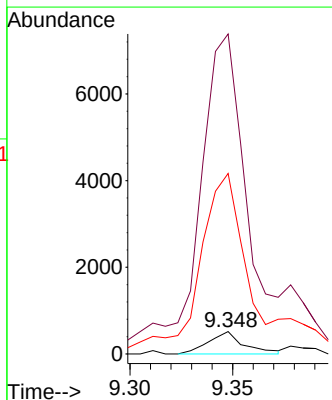
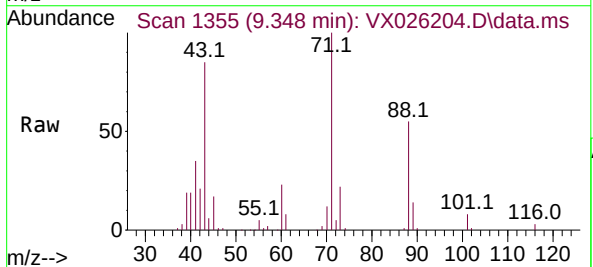
Instrument :
 MSVOA_X
 ClientSampleId :

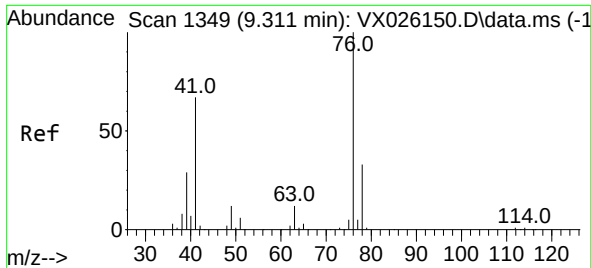
Tgt Ion: 75 Resp: 20760
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 41.1 41.4 62.0#



#56
 Ethyl methacrylate
 Concen: 0.216 ug/l
 RT: 9.348 min Scan# 1355
 Delta R.T. 0.232 min
 Lab File: VX026204.D
 Acq: 31 Dec 2021 05:57

Tgt Ion: 69 Resp: 621
 Ion Ratio Lower Upper
 69 100
 41 2031.6 52.8 79.2#
 39 1111.8 32.5 48.7#





#57

1,3-Dichloropropane

Concen: 3.894 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

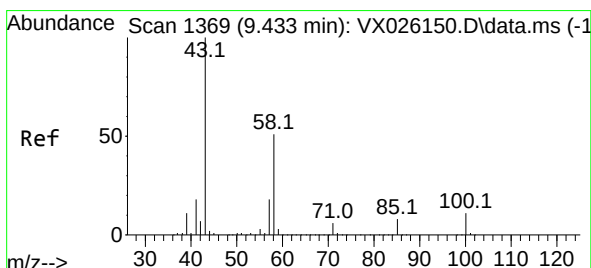
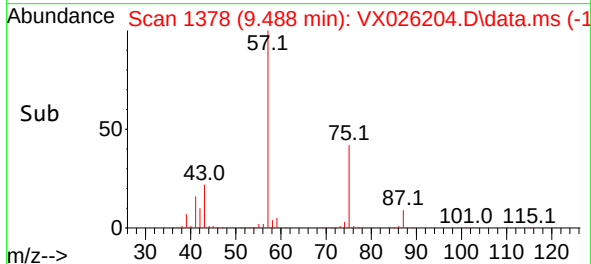
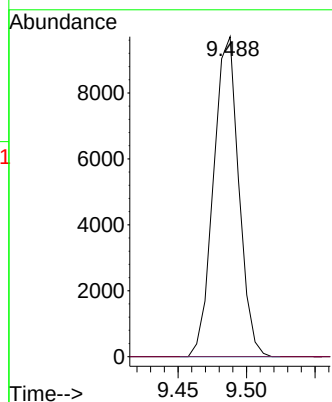
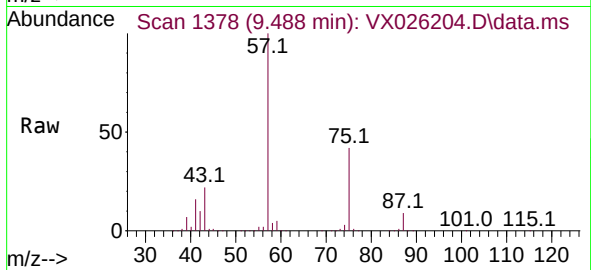
ClientSampleId :

Tgt Ion: 76 Resp: 12438

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 84.363 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026204.D

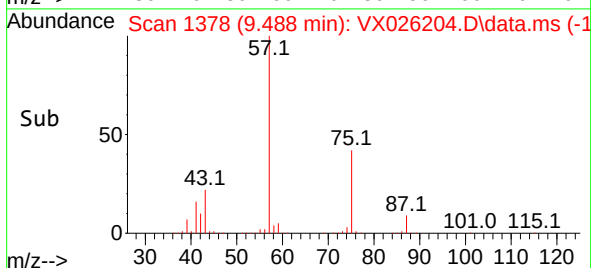
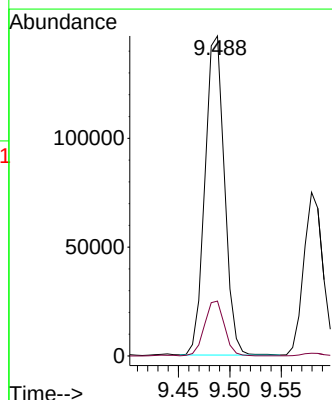
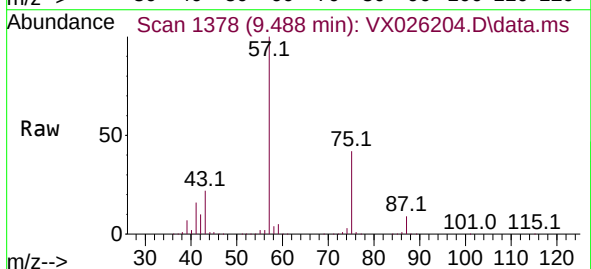
Acq: 31 Dec 2021 05:57

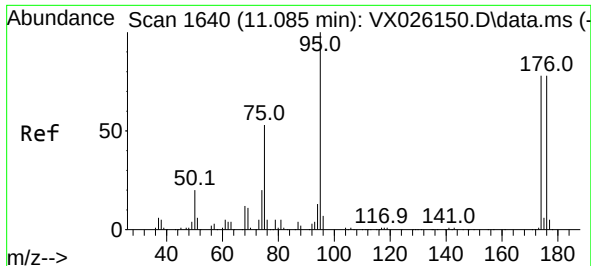
Tgt Ion: 43 Resp: 194085

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.6#





#62

4-Bromofluorobenzene

Concen: 46.506 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

Instrument :

MSVOA_X

ClientSampleId :

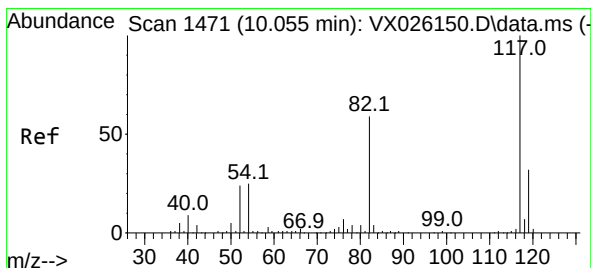
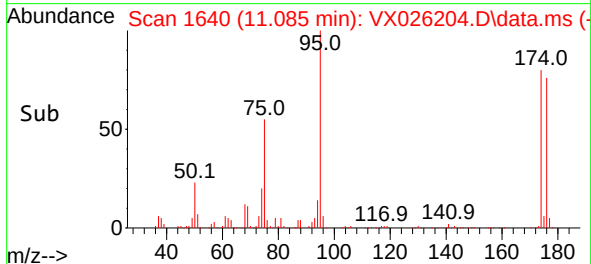
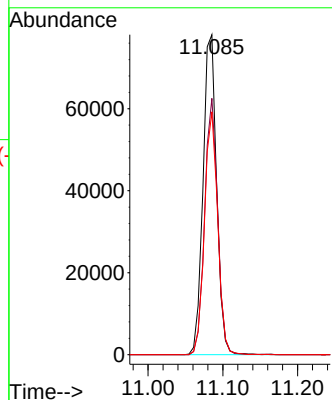
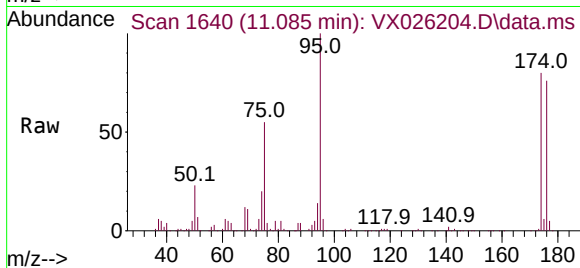
Tgt Ion: 95 Resp: 98605

Ion Ratio Lower Upper

95 100

174 76.6 0.0 157.4

176 73.9 0.0 154.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX026204.D

Acq: 31 Dec 2021 05:57

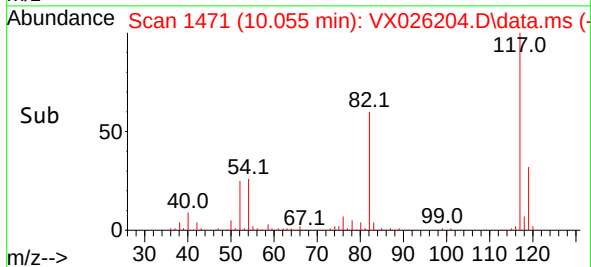
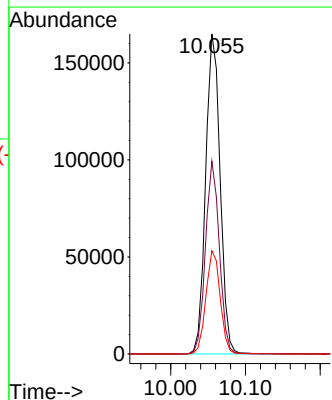
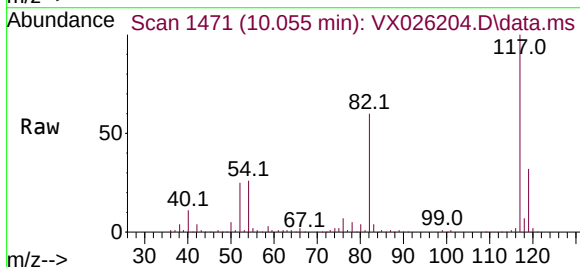
Tgt Ion: 117 Resp: 221576

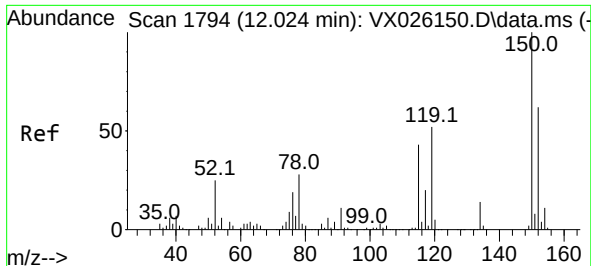
Ion Ratio Lower Upper

117 100

82 60.3 43.8 65.6

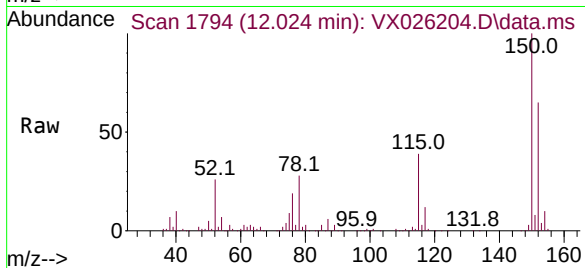
119 32.3 25.2 37.8



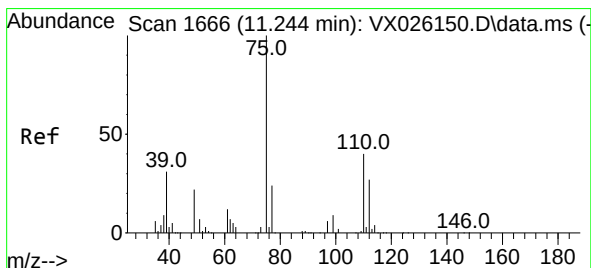
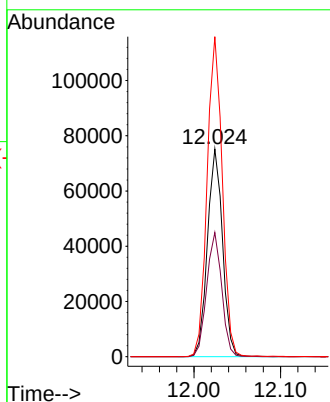
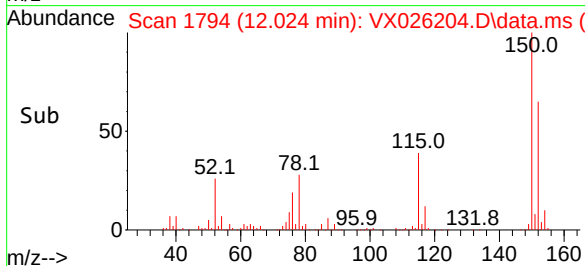


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026204.D
 Acq: 31 Dec 2021 05:57

Instrument :
 MSVOA_X
 ClientSampleId :

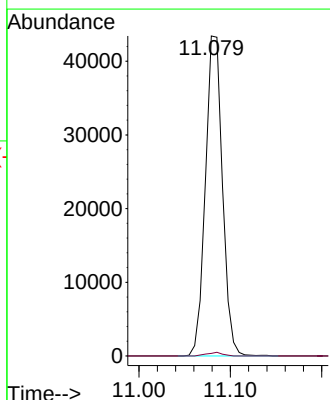
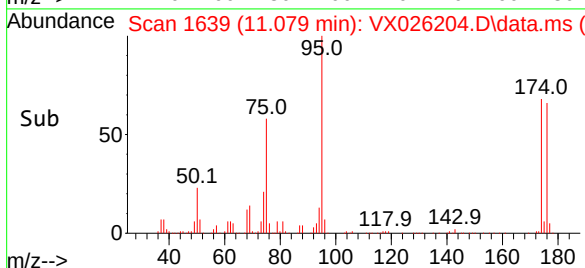
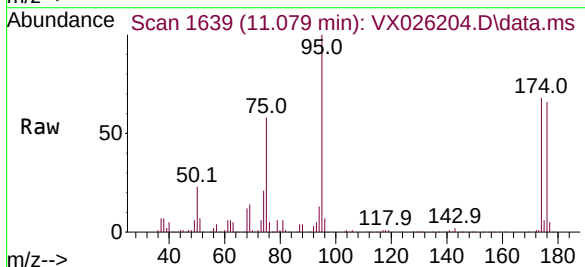


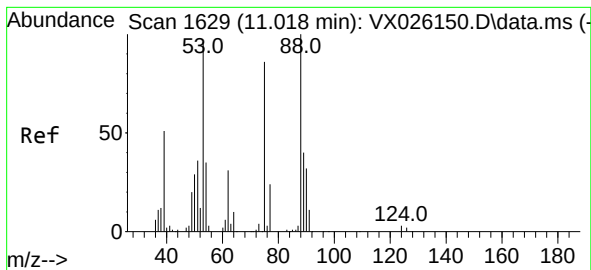
Tgt Ion:152 Resp: 90999
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.3 123.9
 150 154.7 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.593 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026204.D
 Acq: 31 Dec 2021 05:57

Tgt Ion: 75 Resp: 56215
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.041 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX026204.D
 Acq: 31 Dec 2021 05:57

Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 75 Resp: 56215
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

