

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026195.D
 Acq On : 31 Dec 2021 02:28
 Operator : JC/MD
 Sample : PB141694ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

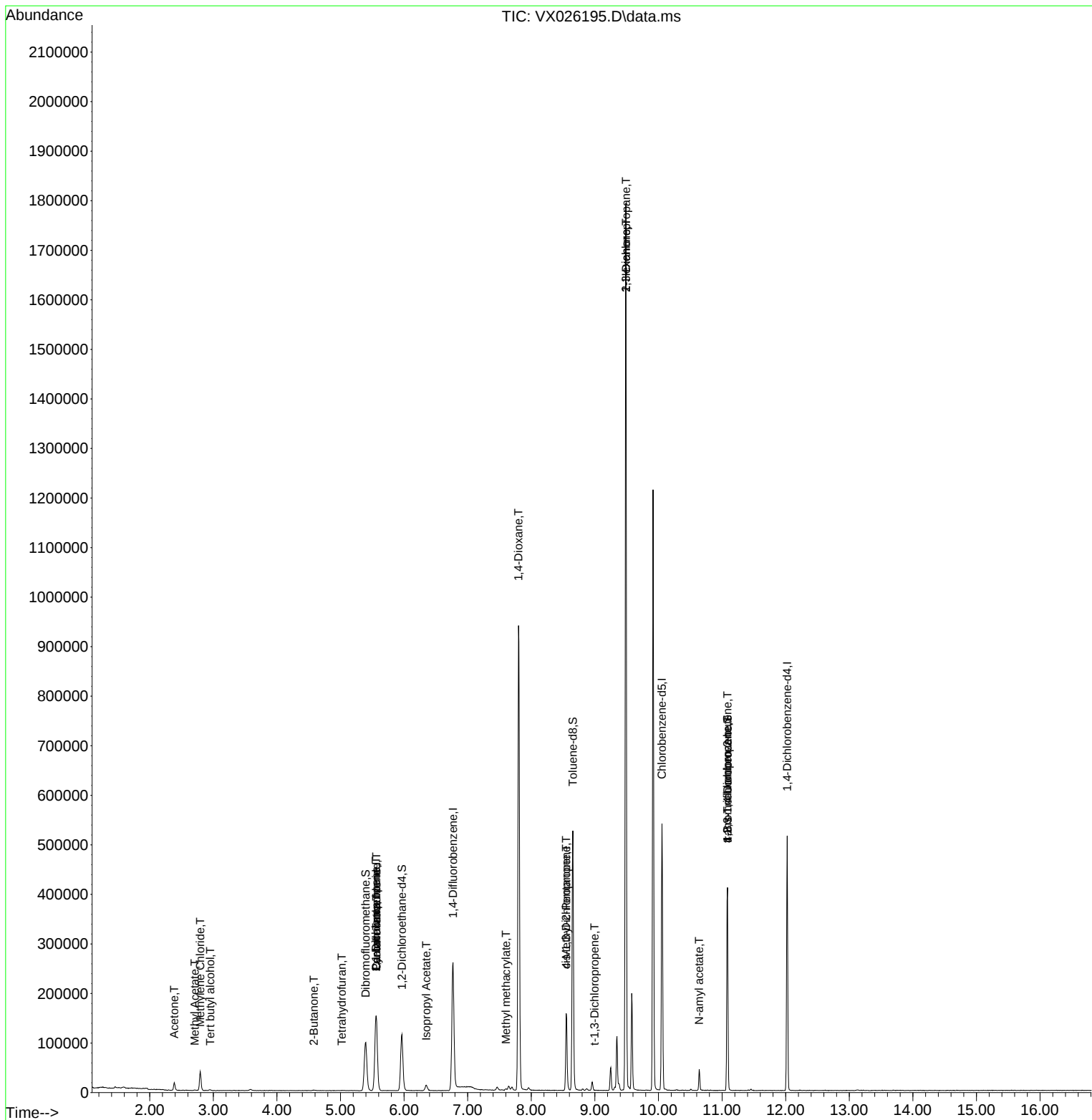
Quant Time: Dec 31 21:34:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	135547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237011	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106648	54.385	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.780%			
35) Dibromofluoromethane	5.397	113	82065	53.258	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.520%			
50) Toluene-d8	8.653	98	289072	50.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.880%			
62) 4-Bromofluorobenzene	11.085	95	99776	48.901	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.800%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	964	2.461	ug/l #	73
16) Acetone	2.386	43	16888	15.895	ug/l	96
18) Methyl Acetate	2.709	43	1042	0.302	ug/l	93
20) Methylene Chloride	2.794	84	15614	8.405	ug/l	97
25) 2-Butanone	4.580	43	1505	1.017	ug/l #	81
29) Tetrahydrofuran	5.019	42	207	0.222	ug/l #	61
31) Cyclohexane	5.562	56	3655	1.309	ug/l #	15
36) 1,1-Dichloropropene	5.556	75	12386	4.984	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14352	5.191	ug/l #	14
43) Isopropyl Acetate	6.348	43	15380	3.275	ug/l	96
48) Methyl methacrylate	7.604	41	4589	2.037	ug/l #	12
49) 1,4-Dioxane	7.799	88	85	2.048	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55816	19.098	ug/l #	48
53) t-1,3-Dichloropropene	8.994	75	19	1.899	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22072	7.627	ug/l #	74
57) 1,3-Dichloropropane	9.488	76	14089	4.583	ug/l #	42
59) 2-Hexanone	9.488	43	218648	98.763	ug/l #	49
74) N-amyl acetate	10.640	43	9756	2.904	ug/l #	53
76) 1,2,3-Trichloropropane	11.085	75	56695	24.958	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	56695	72.203	ug/l #	10

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

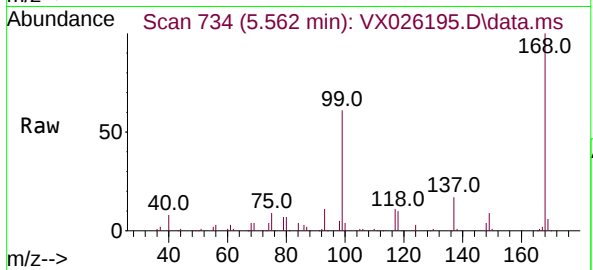
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 30 08:02:21 2021
Response via : Initial Calibration



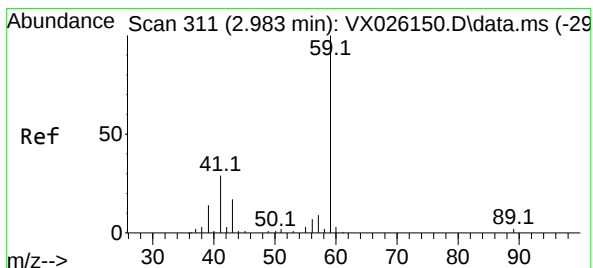
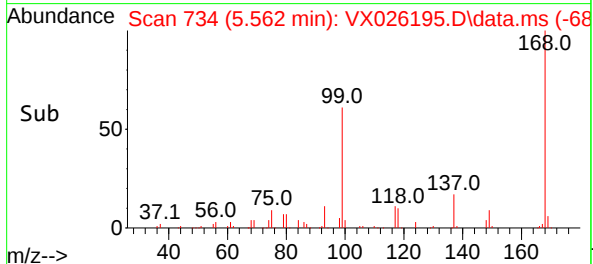
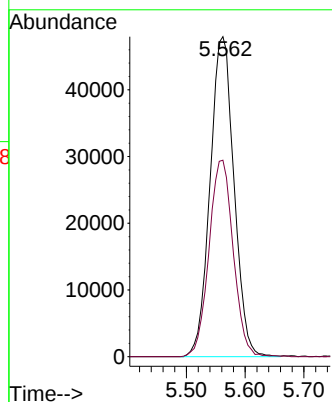


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

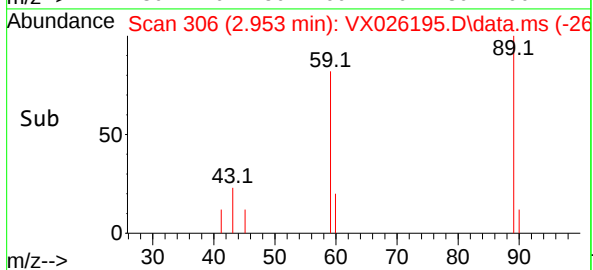
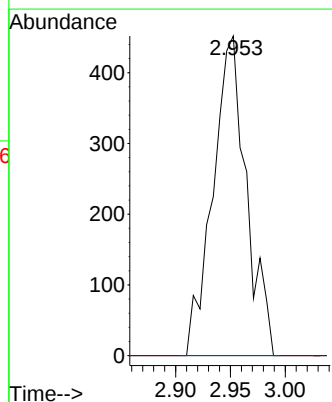
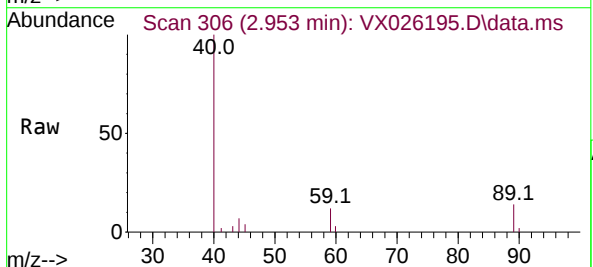


Tgt Ion:168 Resp: 135547
Ion Ratio Lower Upper
168 100
99 61.4 45.8 68.8



#11
Tert butyl alcohol
Concen: 2.461 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Tgt Ion: 59 Resp: 964
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

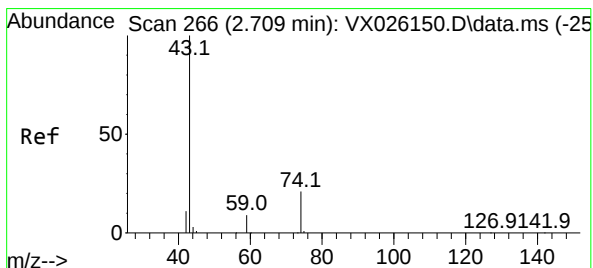
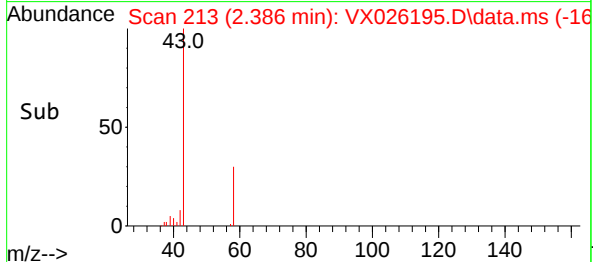
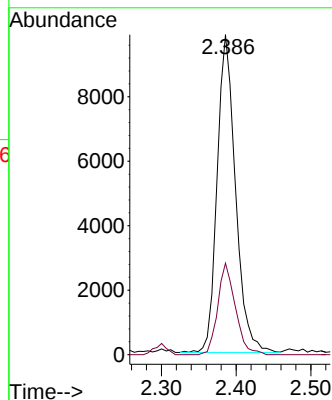
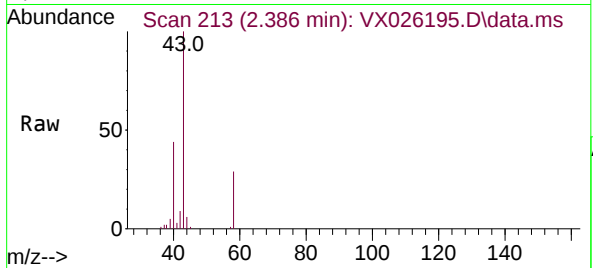




#16
Acetone
Concen: 15.895 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

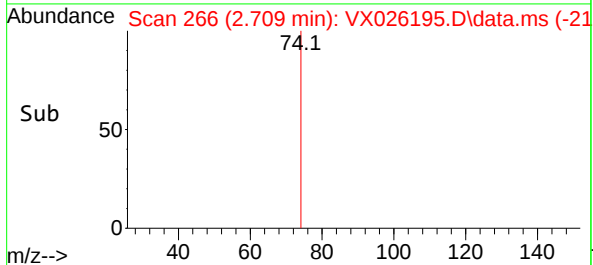
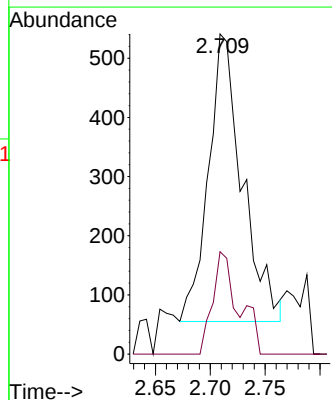
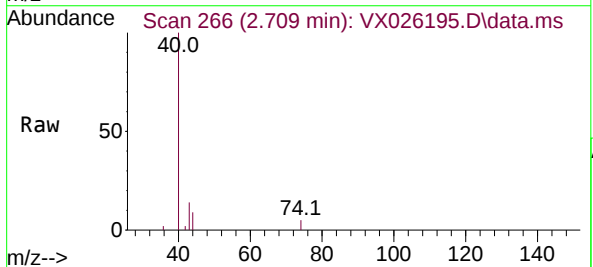
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 16888
Ion Ratio Lower Upper
43 100
58 28.8 24.8 37.2



#18
Methyl Acetate
Concen: 0.302 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Tgt Ion: 43 Resp: 1042
Ion Ratio Lower Upper
43 100
74 27.4 19.1 28.7





#20

Methylene Chloride

Concen: 8.405 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

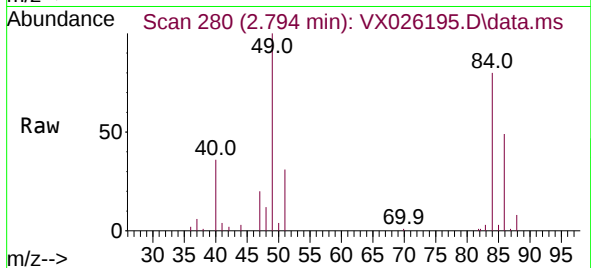
Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 15614

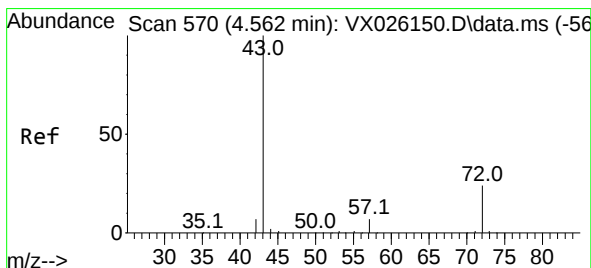
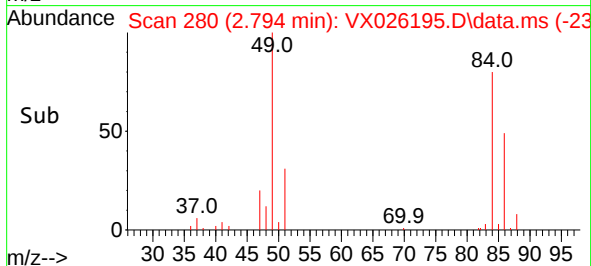
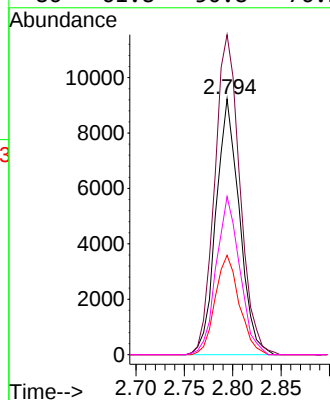
Ion Ratio Lower Upper

84 100

49 125.1 97.1 145.7

51 38.9 29.3 43.9

86 61.8 50.8 76.2



#25

2-Butanone

Concen: 1.017 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX026195.D

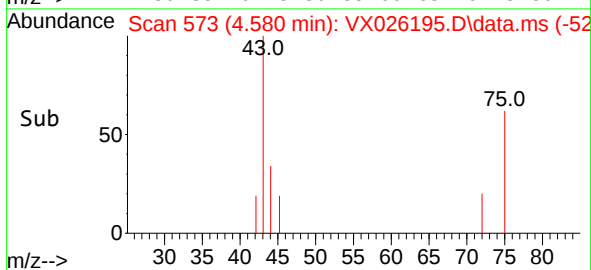
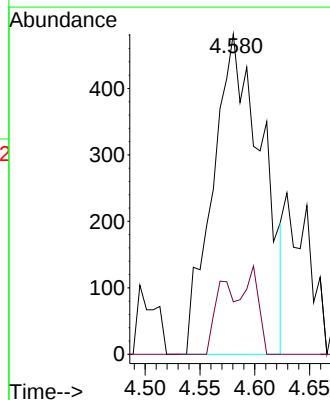
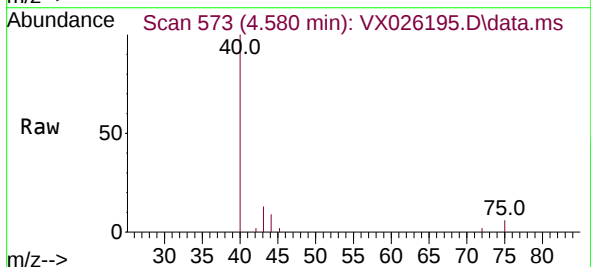
Acq: 31 Dec 2021 02:28

Tgt Ion: 43 Resp: 1505

Ion Ratio Lower Upper

43 100

72 16.4 21.0 31.4#





#29

Tetrahydrofuran

Concen: 0.222 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

ClientSampleId :

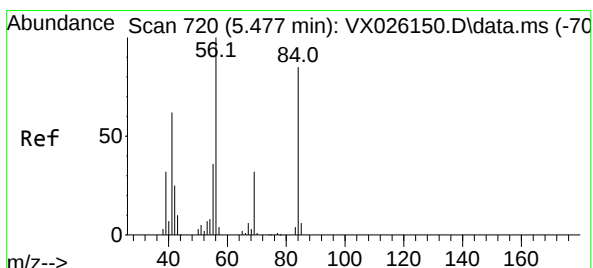
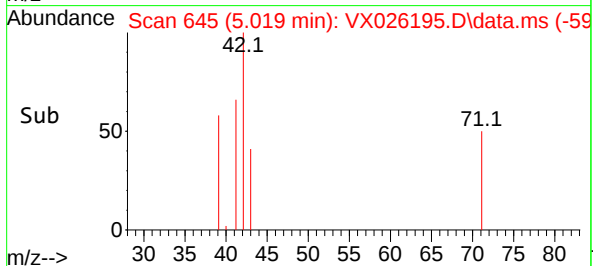
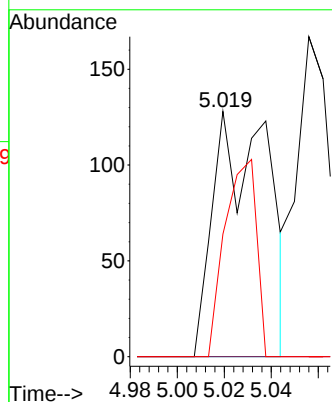
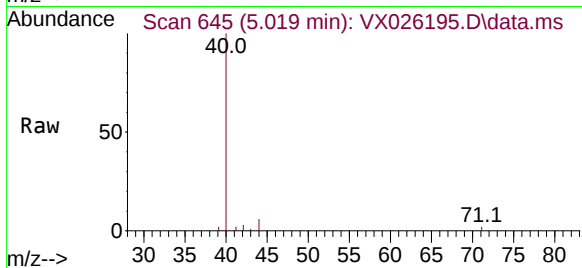
Tgt Ion: 42 Resp: 207

Ion Ratio Lower Upper

42 100

72 0.0 37.0 55.6#

71 46.4 34.1 51.1



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

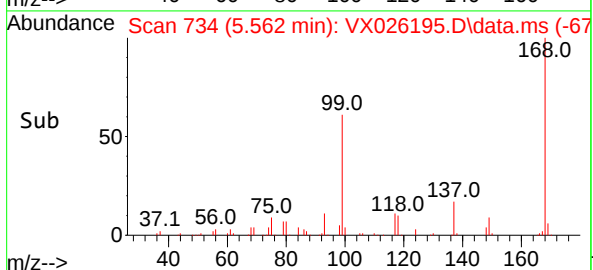
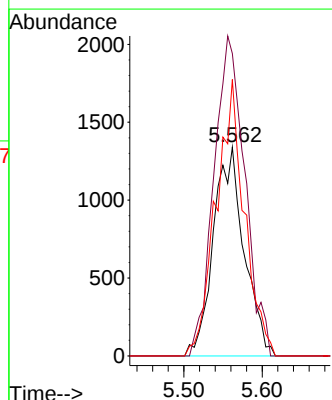
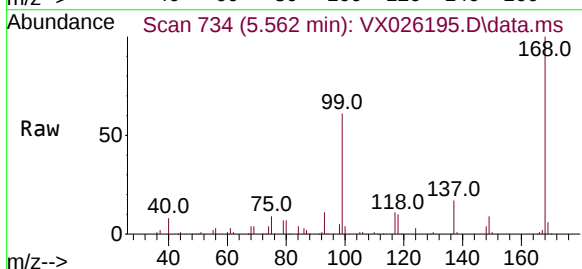
Tgt Ion: 56 Resp: 3655

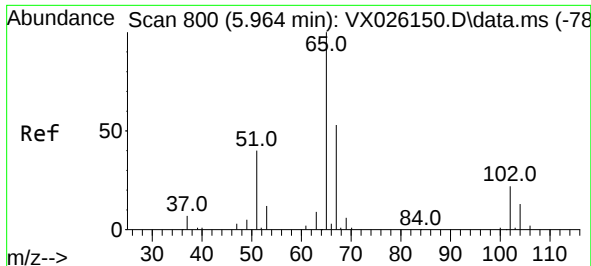
Ion Ratio Lower Upper

56 100

69 144.9 23.9 35.9#

84 132.5 73.2 109.8#

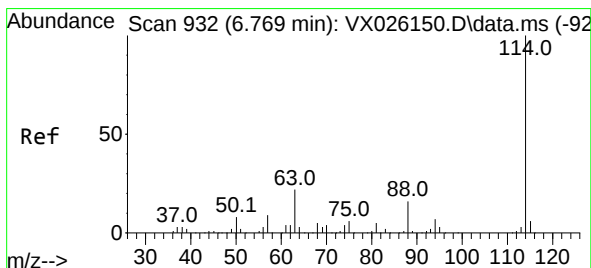
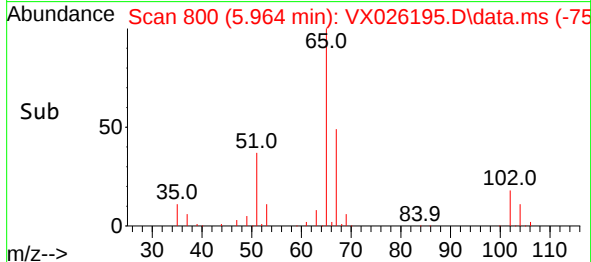
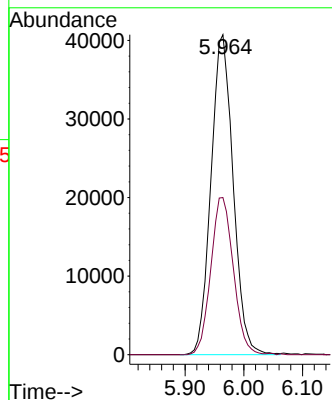
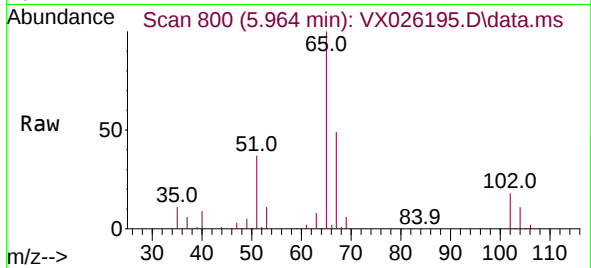




#33
 1,2-Dichloroethane-d4
 Concen: 54.385 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX026195.D
 Acq: 31 Dec 2021 02:28

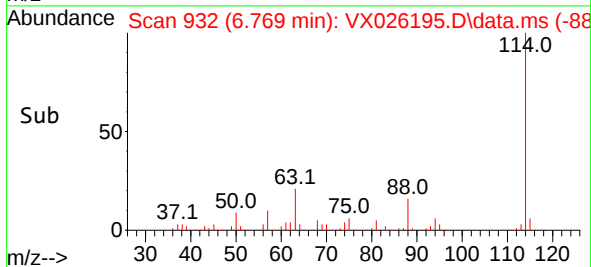
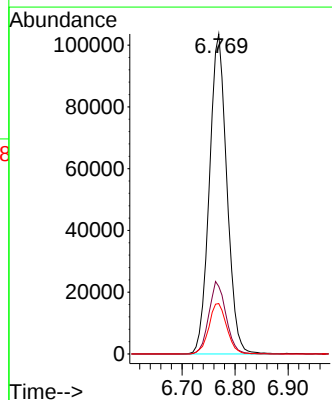
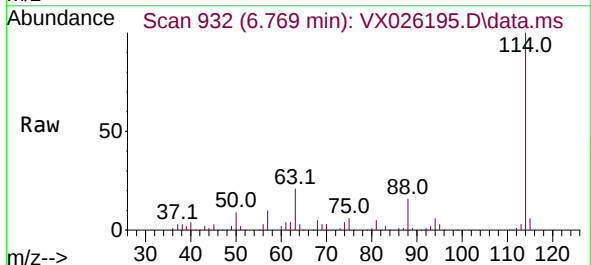
Instrument :
 MSVOA_X
 ClientSampleId :

Tgt Ion: 65 Resp: 106648
 Ion Ratio Lower Upper
 65 100
 67 49.9 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: VX026195.D
 Acq: 31 Dec 2021 02:28

Tgt Ion: 114 Resp: 237011
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.258 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

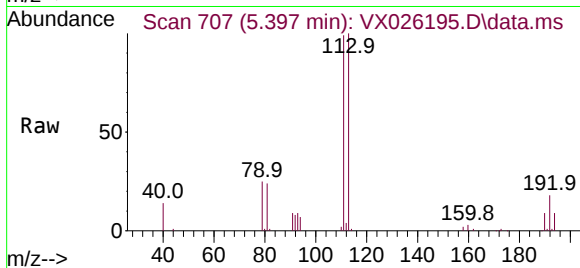
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Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

ClientSampleId :



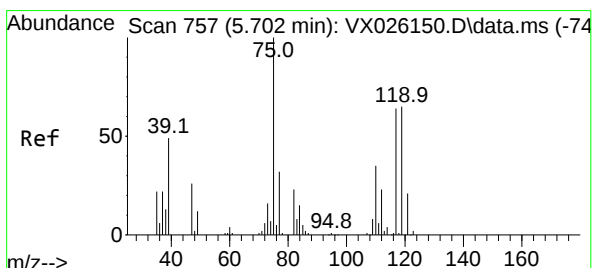
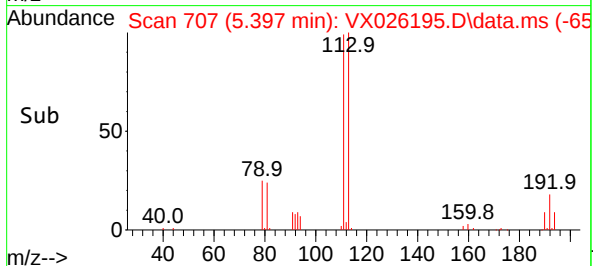
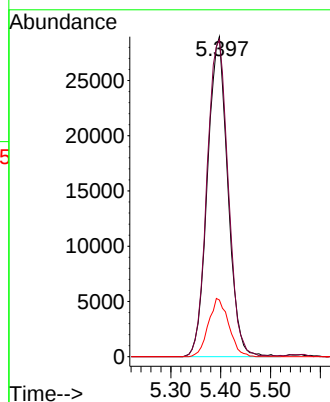
Tgt Ion:113 Resp: 82065

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 18.1 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.984 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

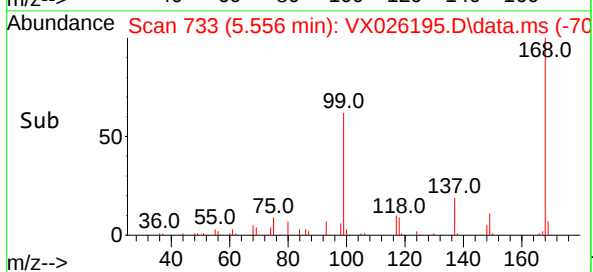
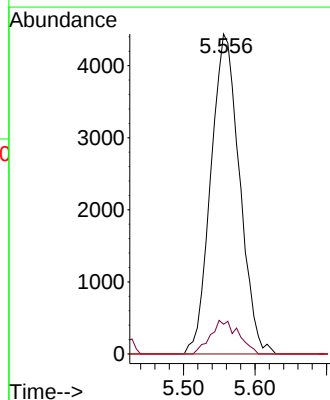
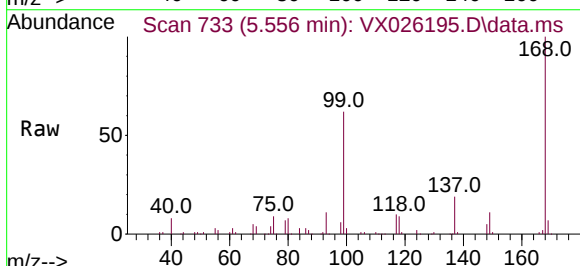
Tgt Ion: 75 Resp: 12386

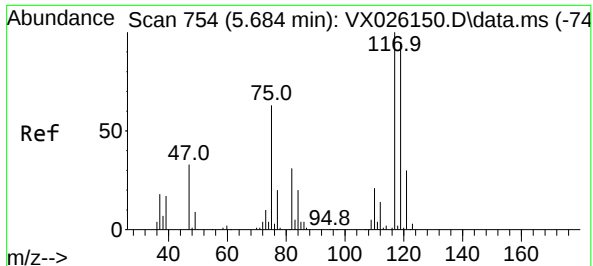
Ion Ratio Lower Upper

75 100

110 10.2 18.2 54.6#

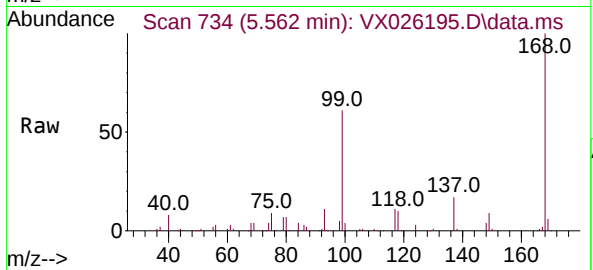
77 0.0 24.7 37.1#



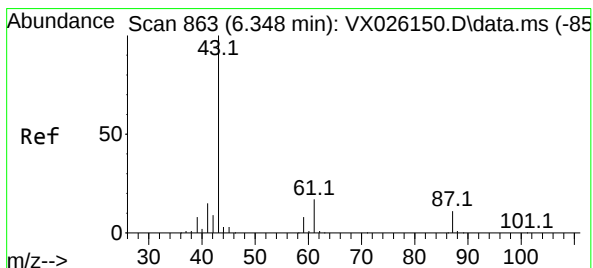
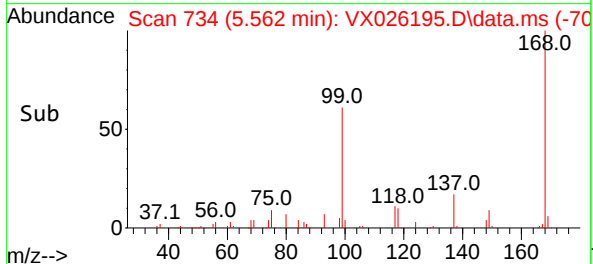
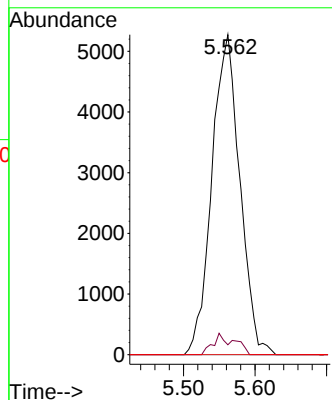


#38
Carbon Tetrachloride
Concen: 5.191 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

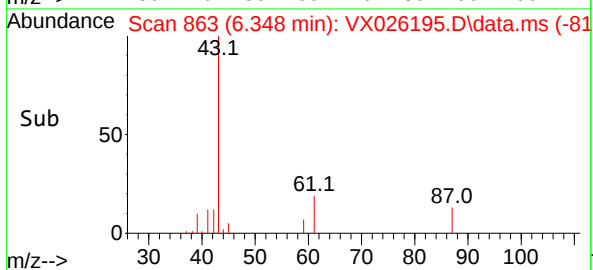
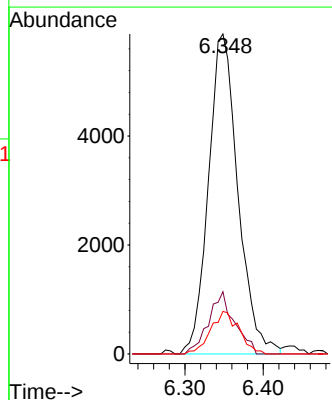
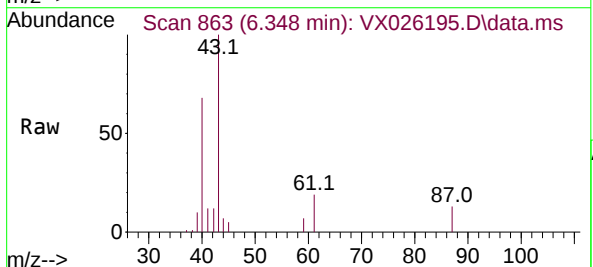


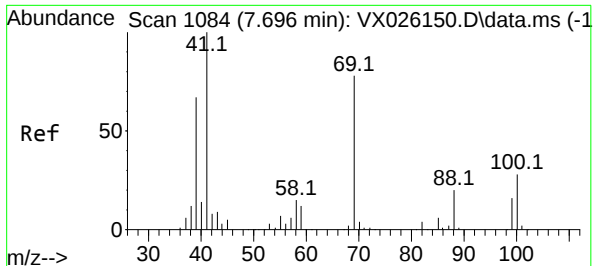
Tgt Ion:117 Resp: 14352
Ion Ratio Lower Upper
117 100
119 3.1 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.275 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Tgt Ion: 43 Resp: 15380
Ion Ratio Lower Upper
43 100
61 17.1 15.7 23.5
87 12.8 11.2 16.8





#48

Methyl methacrylate

Concen: 2.037 ug/l

RT: 7.604 min Scan# 1101

Delta R.T. -0.092 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

ClientSampleId :

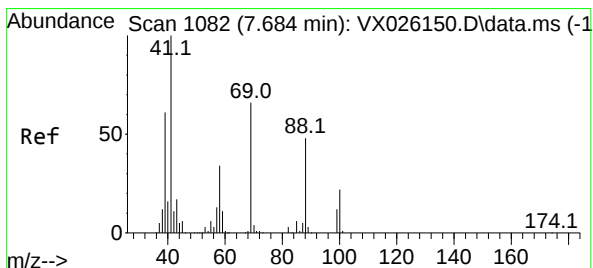
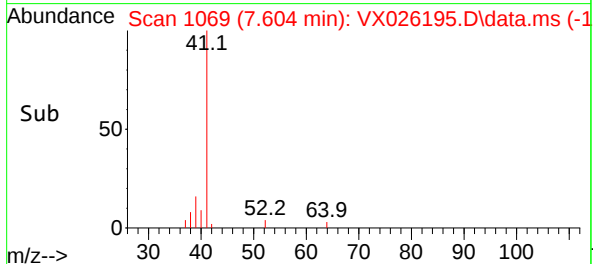
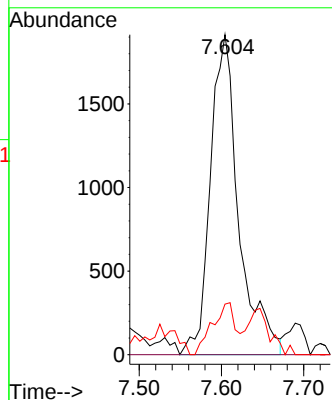
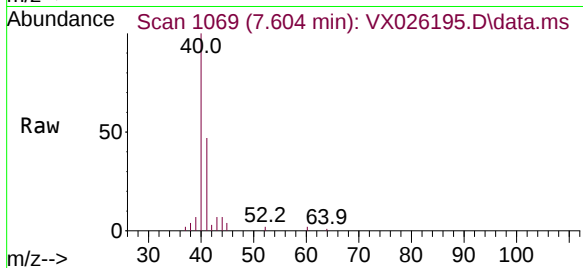
Tgt Ion: 41 Resp: 4589

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: 2.048 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

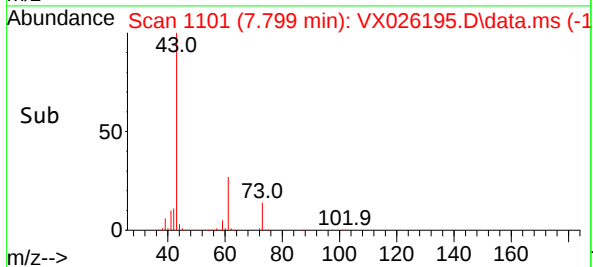
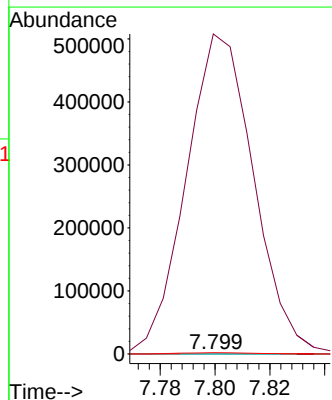
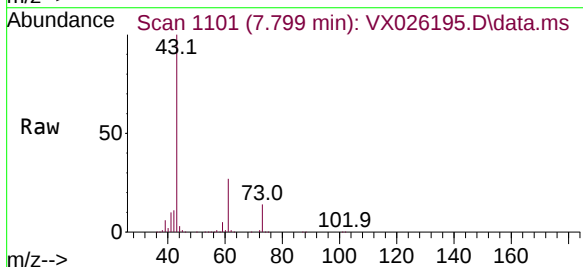
Tgt Ion: 88 Resp: 85

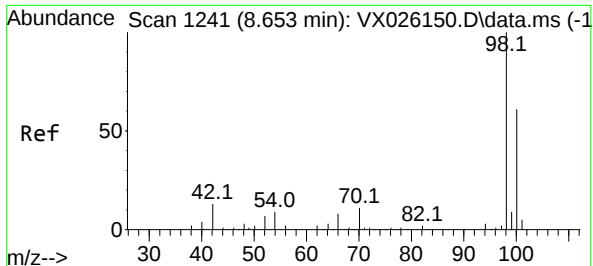
Ion Ratio Lower Upper

88 100

43 1031237.6 25.3 37.9#

58 4323.5 51.8 77.6#





#50

Toluene-d8

Concen: 50.436 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

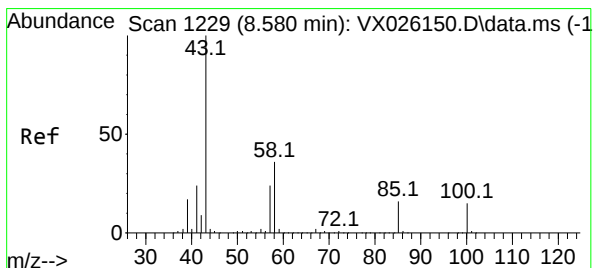
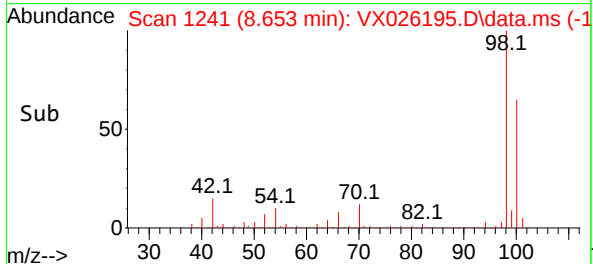
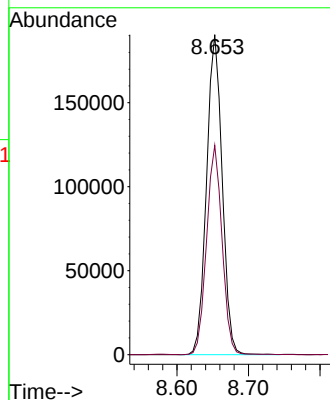
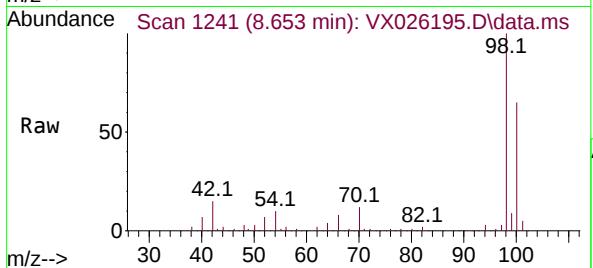
ClientSampleId :

Tgt Ion: 98 Resp: 289072

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 19.098 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX026195.D

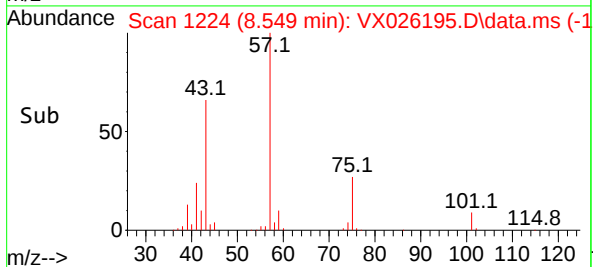
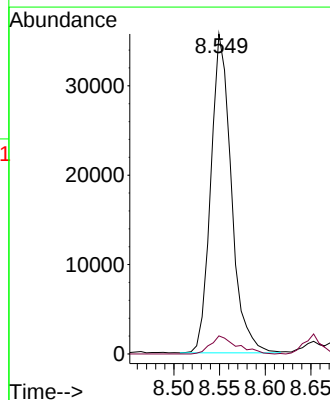
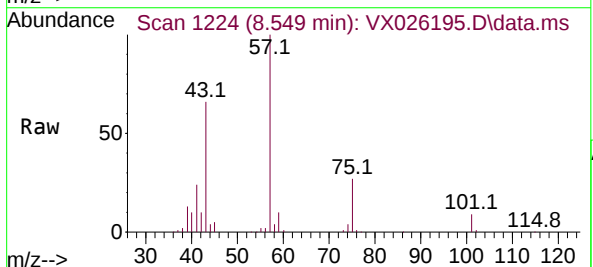
Acq: 31 Dec 2021 02:28

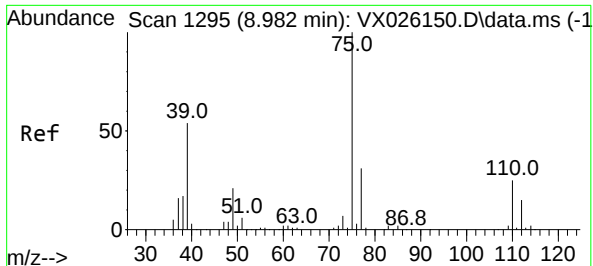
Tgt Ion: 43 Resp: 55816

Ion Ratio Lower Upper

43 100

58 7.2 30.8 46.2#





#53

t-1,3-Dichloropropene

Concen: 1.899 ug/l

RT: 8.994 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

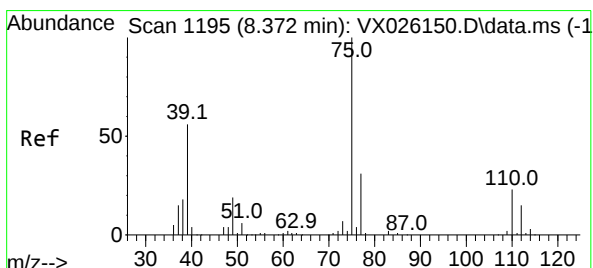
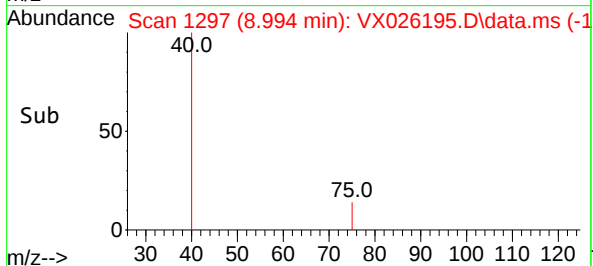
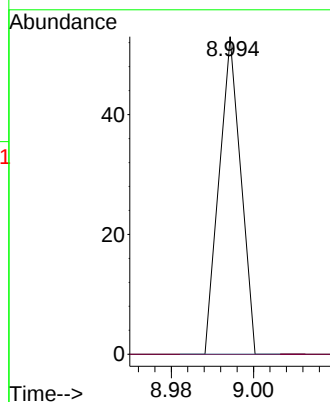
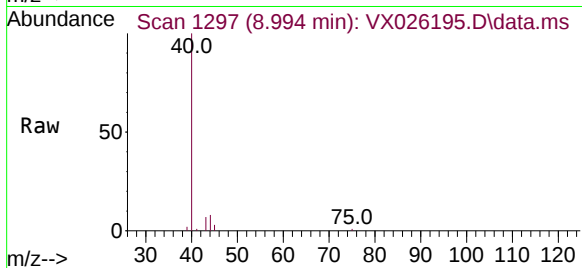
ClientSampleId :

Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 7.627 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

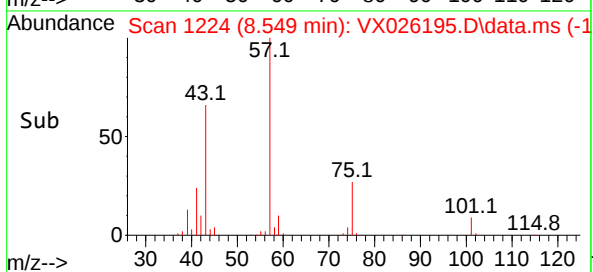
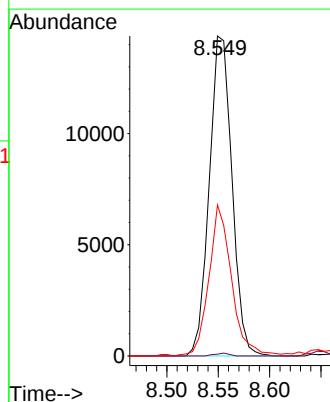
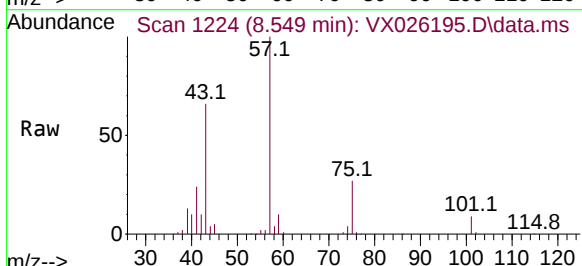
Tgt Ion: 75 Resp: 22072

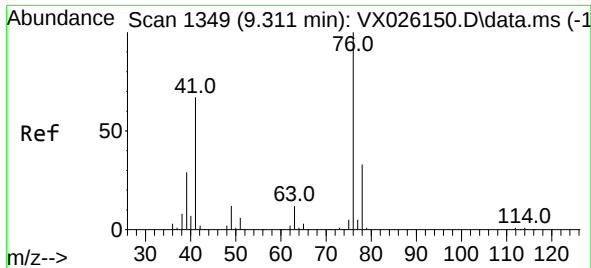
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 46.8 41.4 62.0





#57

1,3-Dichloropropane

Concen: 4.583 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026195.D

Acq: 31 Dec 2021 02:28

Instrument :

MSVOA_X

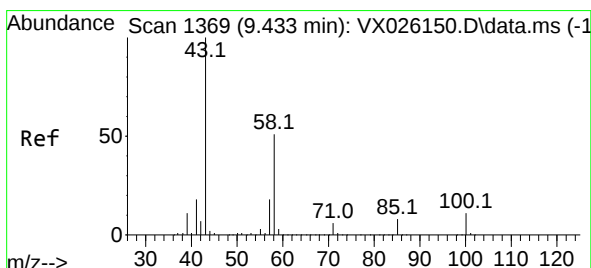
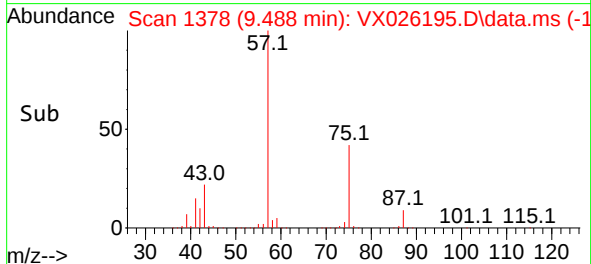
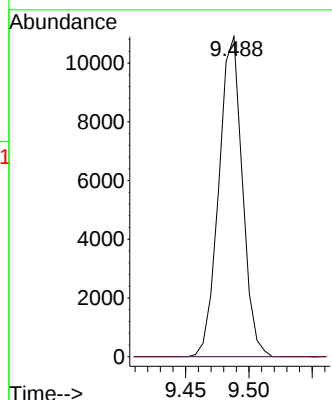
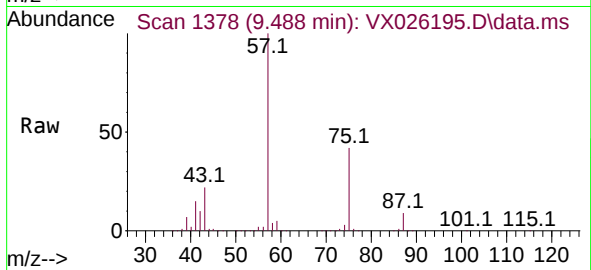
ClientSampleId :

Tgt Ion: 76 Resp: 14089

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 98.763 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026195.D

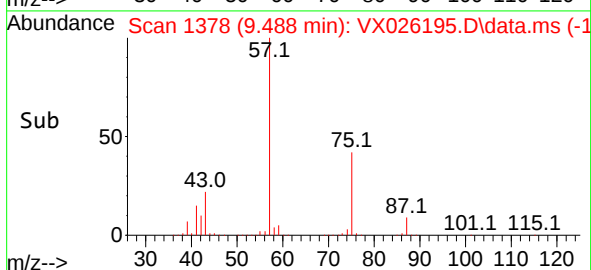
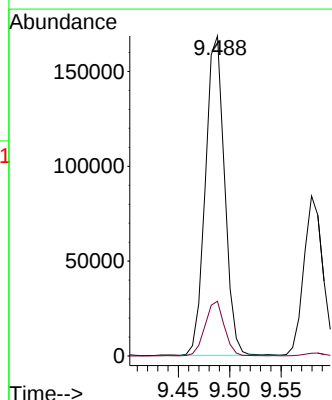
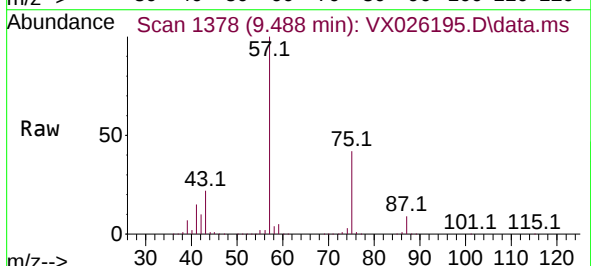
Acq: 31 Dec 2021 02:28

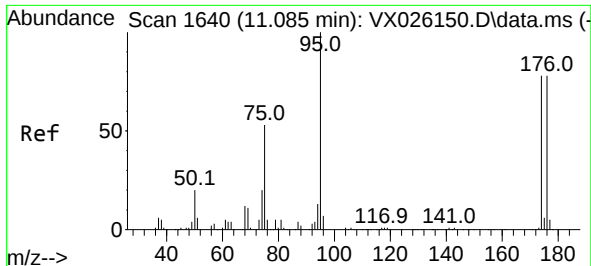
Tgt Ion: 43 Resp: 218648

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.6#

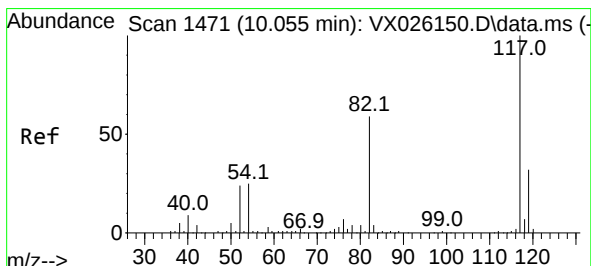
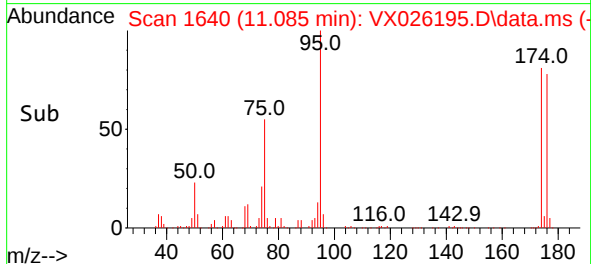
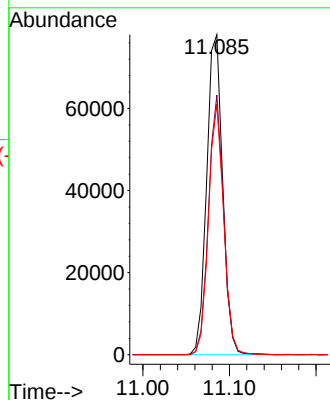
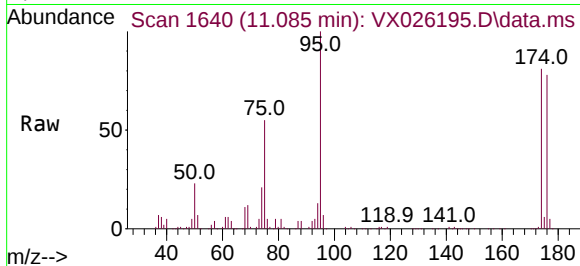




#62
4-Bromofluorobenzene
Concen: 48.901 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

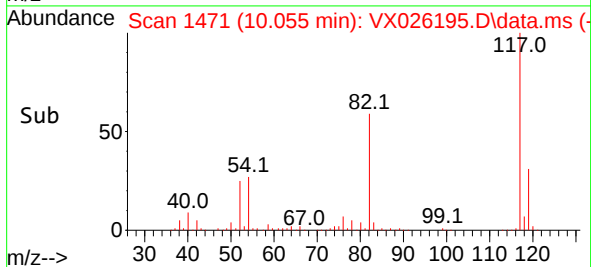
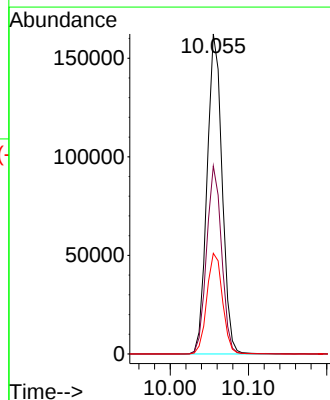
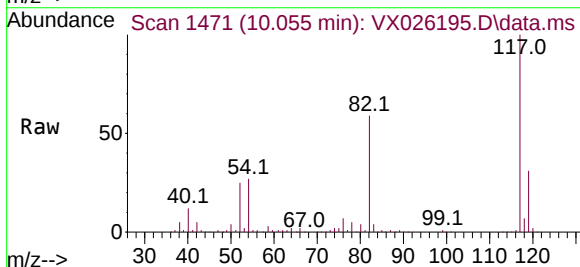
Instrument :
MSVOA_X
ClientSampleId :

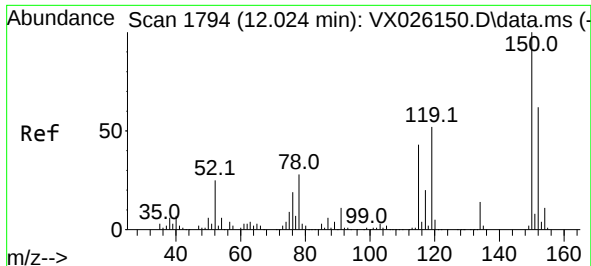
Tgt Ion: 95 Resp: 99776
Ion Ratio Lower Upper
95 100
174 77.1 0.0 157.4
176 74.4 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

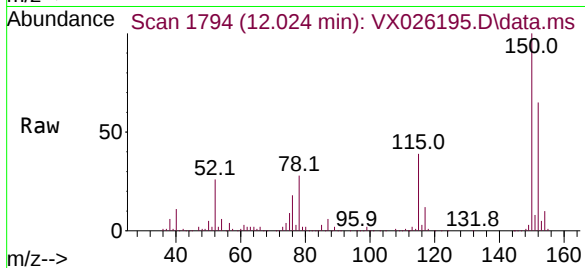
Tgt Ion: 117 Resp: 216084
Ion Ratio Lower Upper
117 100
82 58.7 43.8 65.6
119 31.4 25.2 37.8



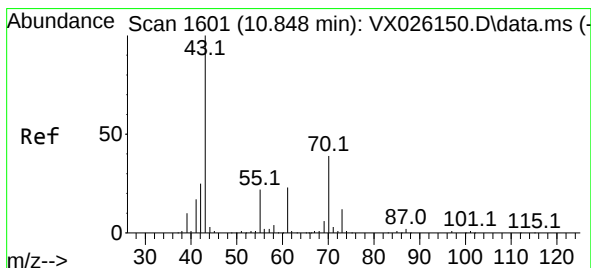
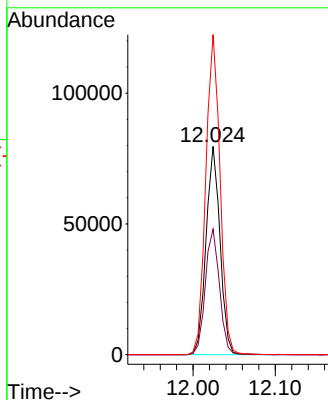
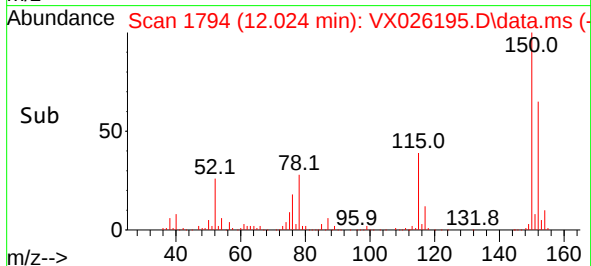


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

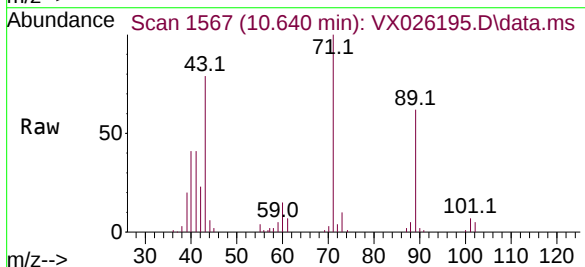
Instrument :
MSVOA_X
ClientSampleId :



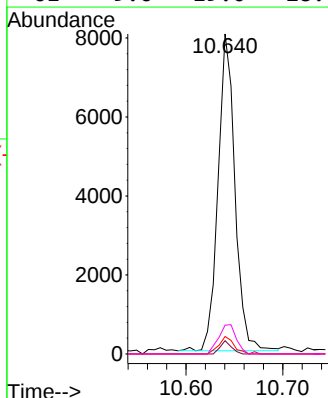
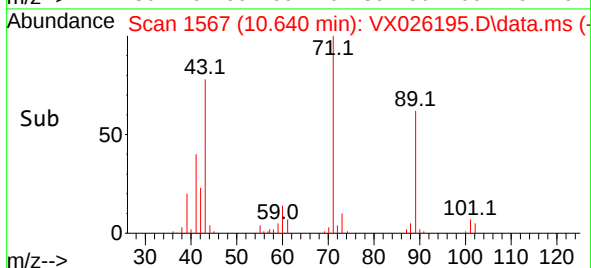
Tgt Ion:152 Resp: 94112
Ion Ratio Lower Upper
152 100
115 60.9 41.3 123.9
150 156.5 0.0 351.8

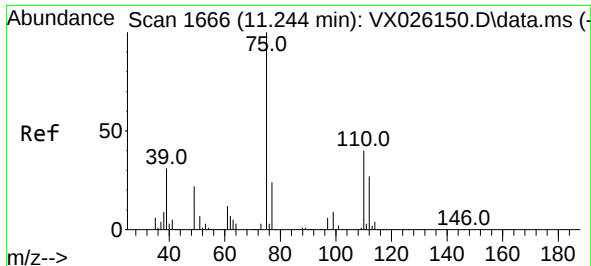


#74
N-ethyl acetate
Concen: 2.904 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28



Tgt Ion: 43 Resp: 9756
Ion Ratio Lower Upper
43 100
70 2.7 34.1 51.1#
55 5.1 19.2 28.8#
61 9.6 19.0 28.4#

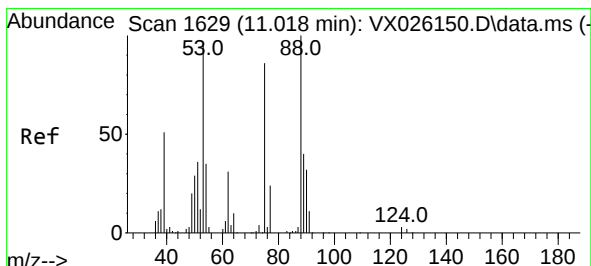
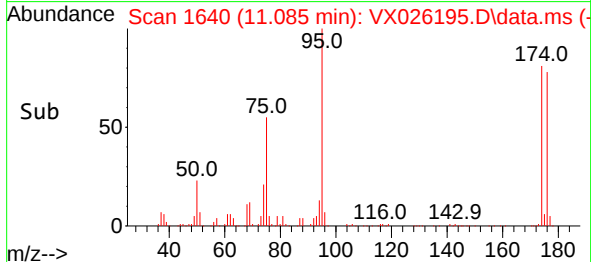
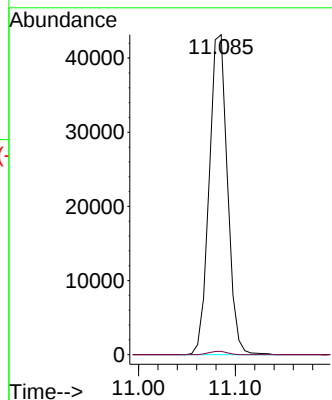
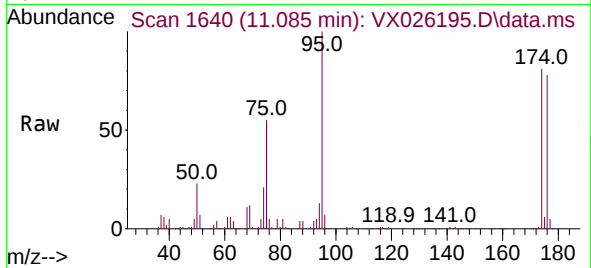




#76
1,2,3-Trichloropropane
Concen: 24.958 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 56695
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.203 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX026195.D
Acq: 31 Dec 2021 02:28

Tgt Ion: 75 Resp: 56695
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

