

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011722\
 Data File : VX026491.D
 Acq On : 17 Jan 2022 15:39
 Operator : JC/MD
 Sample : N1153-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31502

Quant Time: Jan 18 00:41:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 11 14:45:13 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	132960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	226163	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87648	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93880	50.545	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.100%
35) Dibromofluoromethane	5.391	113	72806	49.850	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.700%
50) Toluene-d8	8.647	98	264772	50.308	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.620%
62) 4-Bromofluorobenzene	11.079	95	98532	52.702	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.400%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	350	0.458	ug/l #	43
11) Tert butyl alcohol	2.977	59	934	3.615	ug/l #	75
16) Acetone	2.386	43	7609	8.033	ug/l	99
17) Carbon Disulfide	2.520	76	6373	1.572	ug/l	99
18) Methyl Acetate	2.715	43	1765	0.937	ug/l	98
20) Methylene Chloride	2.794	84	2425	1.550	ug/l	98
25) 2-Butanone	4.568	43	1630	1.323	ug/l #	81
29) Tetrahydrofuran	5.032	42	323	0.442	ug/l #	48
31) Cyclohexane	5.556	56	2826	1.032	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10654	4.621	ug/l #	50
38) Carbon Tetrachloride	5.556	117	14329	6.042	ug/l #	17
43) Isopropyl Acetate	6.348	43	8637	2.293	ug/l	99
48) Methyl methacrylate	7.598	41	3889	2.083	ug/l #	16
49) 1,4-Dioxane	7.799	88	33	1.077	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	16965	7.592	ug/l #	58
52) Toluene	8.720	92	1442	0.369	ug/l	92
54) cis-1,3-Dichloropropene	8.549	75	6494	2.669	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	3352	1.268	ug/l #	43
59) 2-Hexanone	9.482	43	49678	29.046	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	49981	25.899	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.079	75	49981	78.545	ug/l #	3
90) Hexachloroethane	12.695	117	71	2.245	ug/l #	14

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

Quant Time: Jan 18 00:41:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011122W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 11 14:45:13 2022
Response via : Initial Calibration

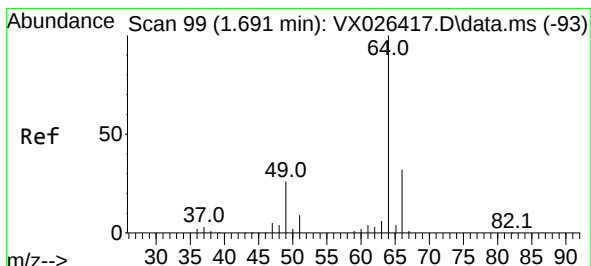
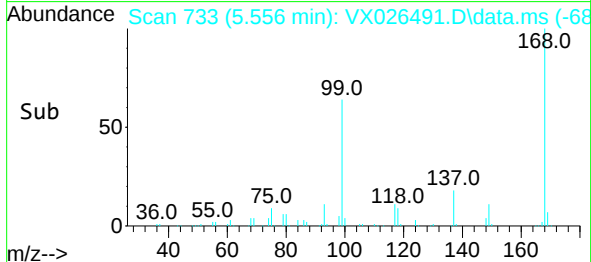
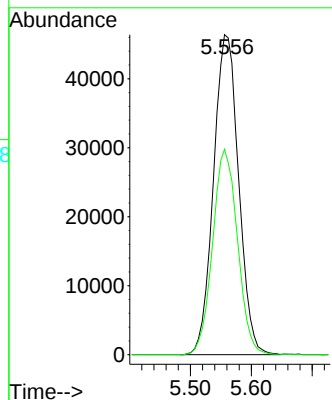
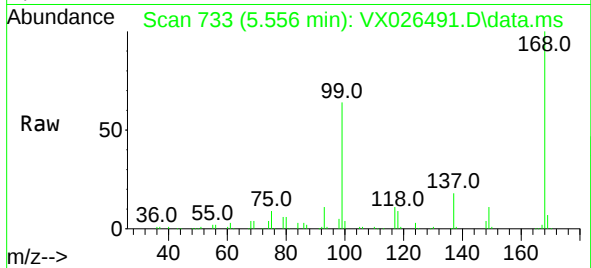




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

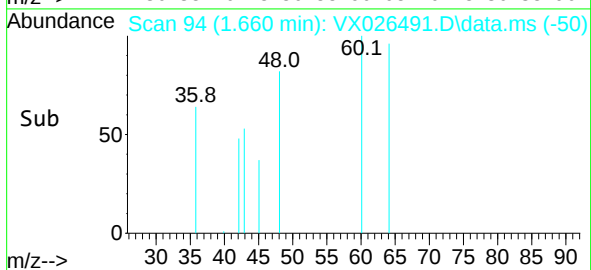
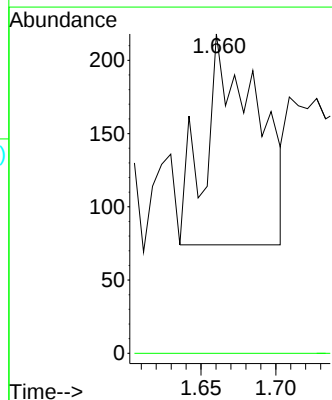
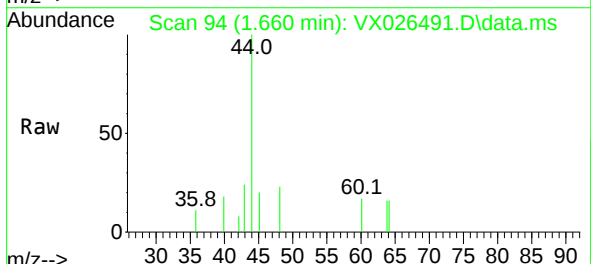
Instrument :
MSVOA_X
ClientSampleId :
31502

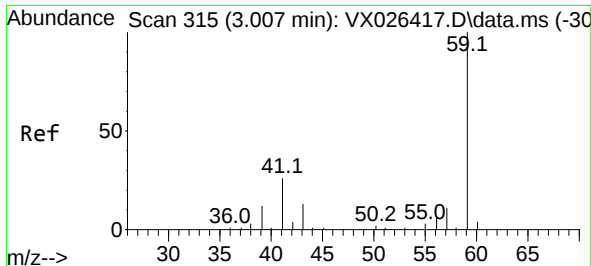
Tgt Ion:168 Resp: 132960
Ion Ratio Lower Upper
168 100
99 64.2 50.3 75.5



#6
Chloroethane
Concen: 0.458 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.030 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 64 Resp: 350
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 3.615 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.030 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

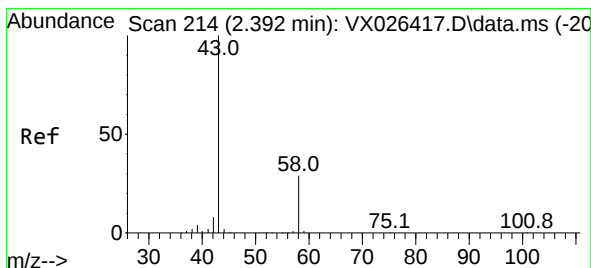
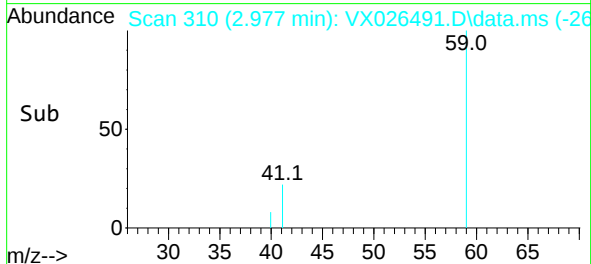
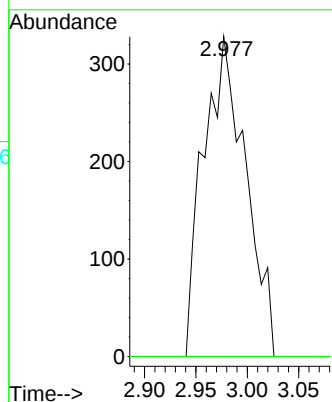
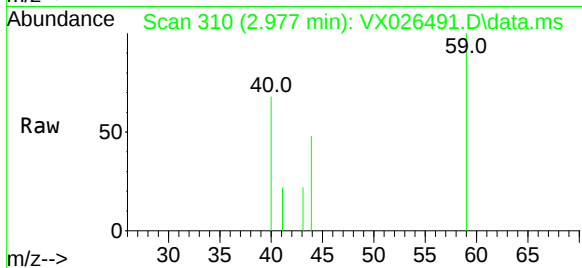
31502

Tgt Ion: 59 Resp: 934

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#16

Acetone

Concen: 8.033 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX026491.D

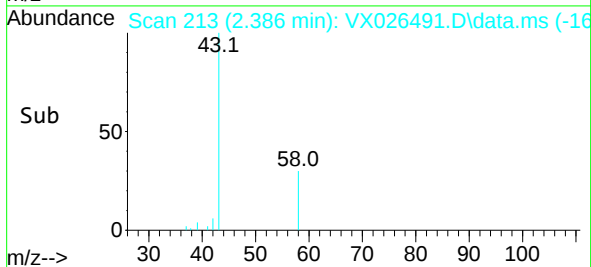
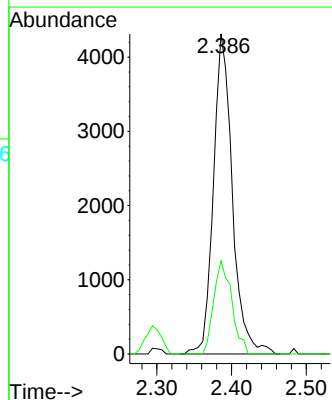
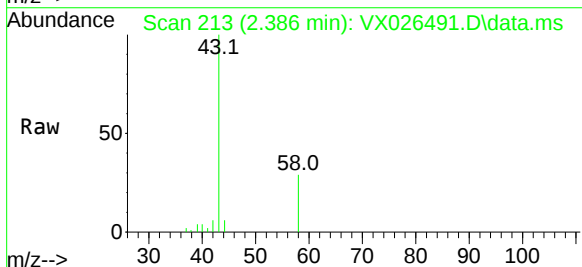
Acq: 17 Jan 2022 15:39

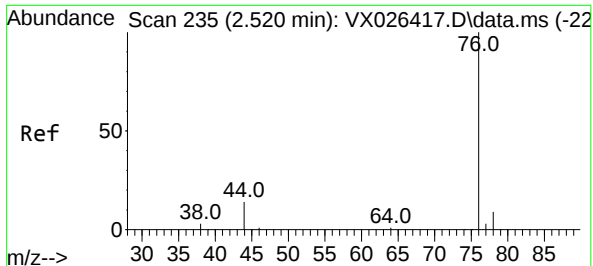
Tgt Ion: 43 Resp: 7609

Ion Ratio Lower Upper

43 100

58 29.1 23.0 34.6

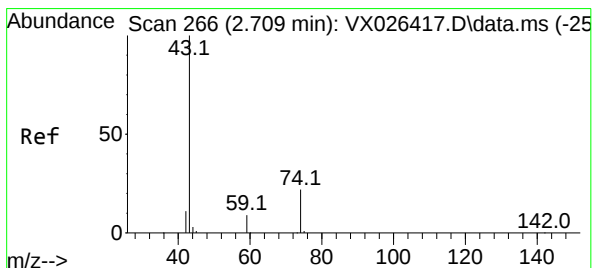
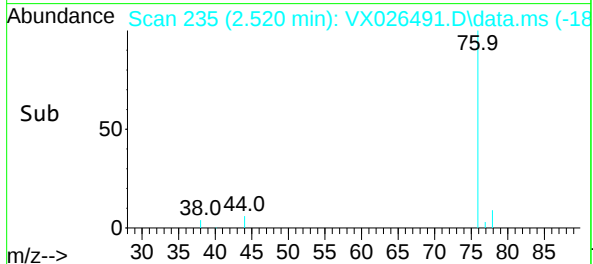
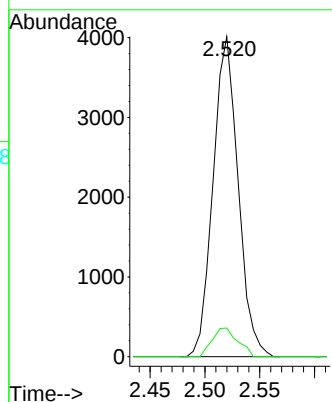
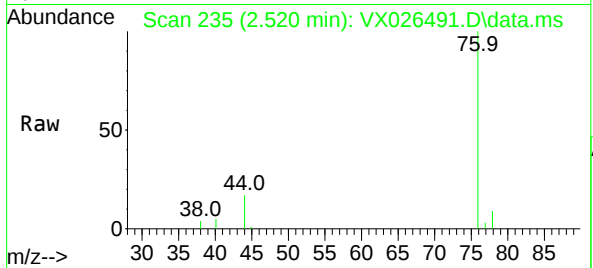




#17
Carbon Disulfide
Concen: 1.572 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

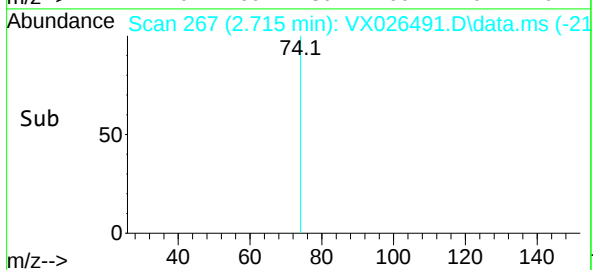
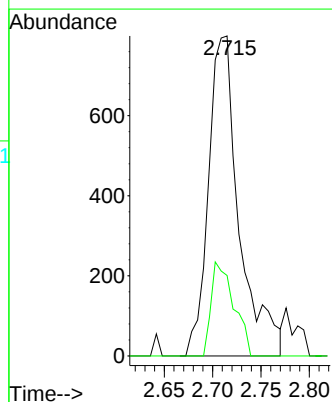
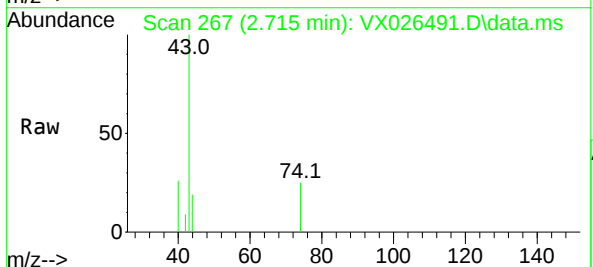
Instrument :
MSVOA_X
ClientSampleId :
31502

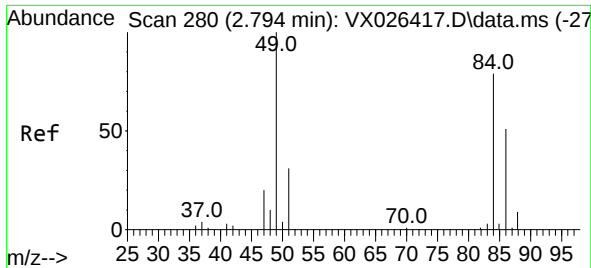
Tgt Ion: 76 Resp: 6373
Ion Ratio Lower Upper
76 100
78 9.0 7.5 11.3



#18
Methyl Acetate
Concen: 0.937 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 43 Resp: 1765
Ion Ratio Lower Upper
43 100
74 21.7 18.3 27.5

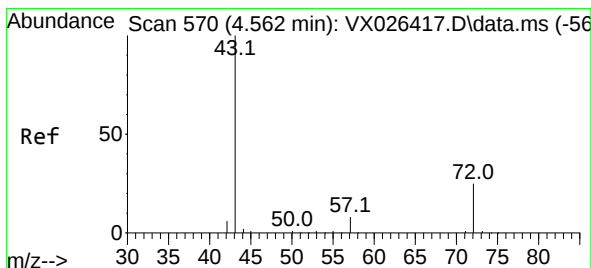
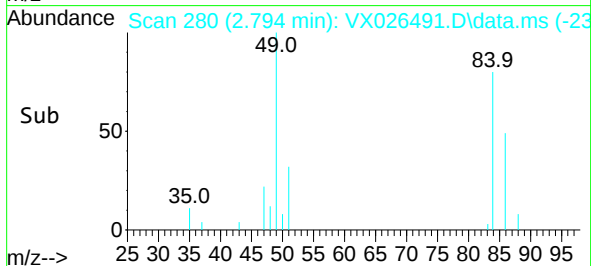
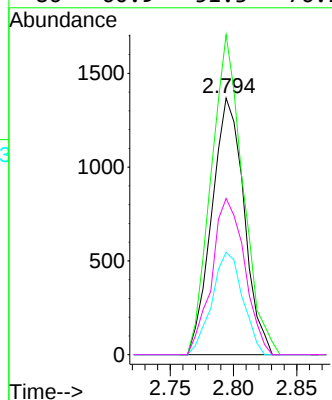
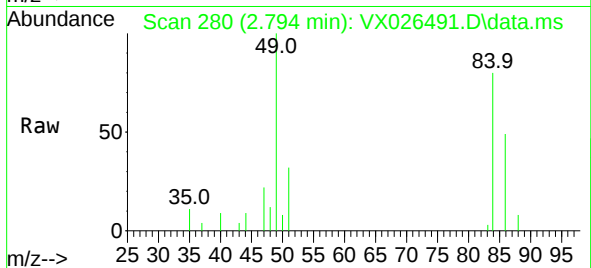




#20
Methylene Chloride
Concen: 1.550 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

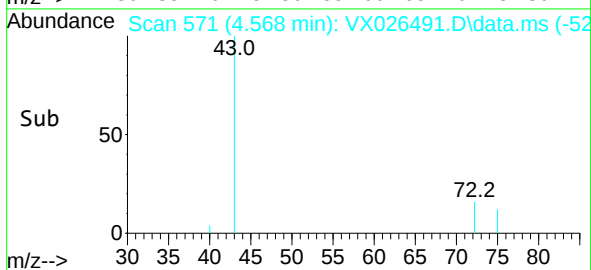
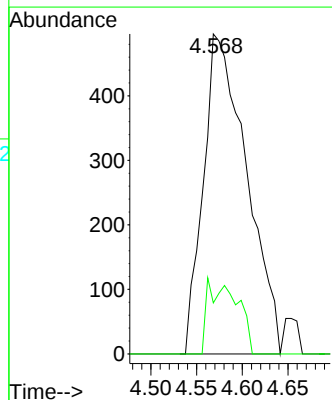
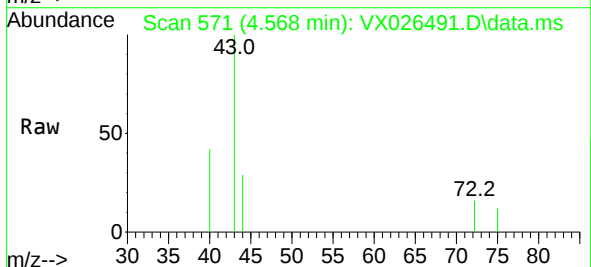
Instrument :
MSVOA_X
ClientSampleId :
31502

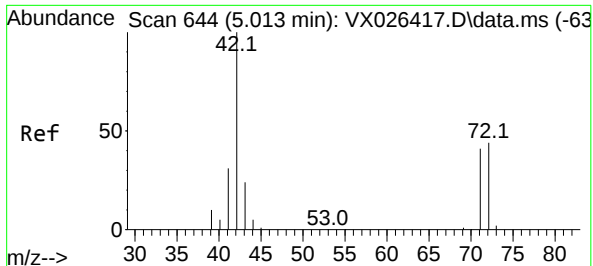
Tgt Ion: 84	Resp: 2425
Ion Ratio	Lower Upper
84 100	
49 124.7	101.5 152.3
51 39.9	31.2 46.8
86 60.9	51.3 76.9



#25
2-Butanone
Concen: 1.323 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 43	Resp: 1630		
Ion Ratio	Lower	Upper	
43 100			
72 15.9	20.4	30.6#	





#29

Tetrahydrofuran

Concen: 0.442 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

31502

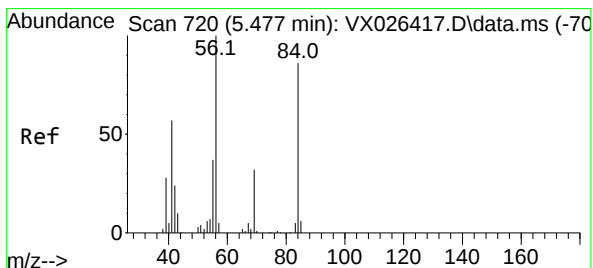
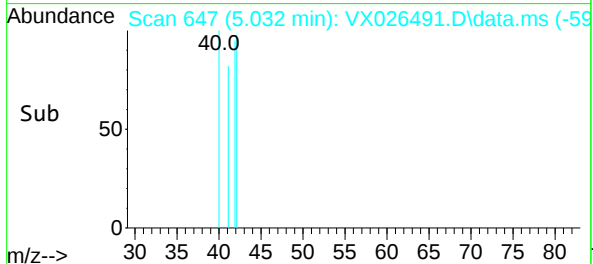
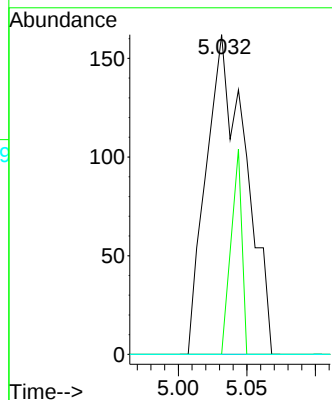
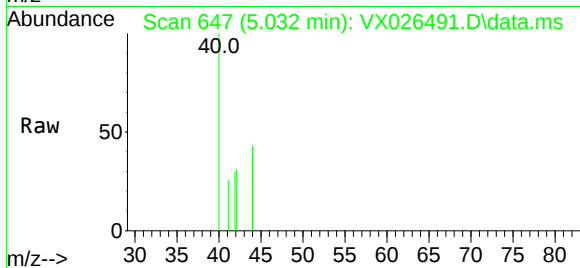
Tgt Ion: 42 Resp: 323

Ion Ratio Lower Upper

42 100

72 17.6 34.6 52.0#

71 0.0 31.8 47.8#



#31

Cyclohexane

Concen: 1.032 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

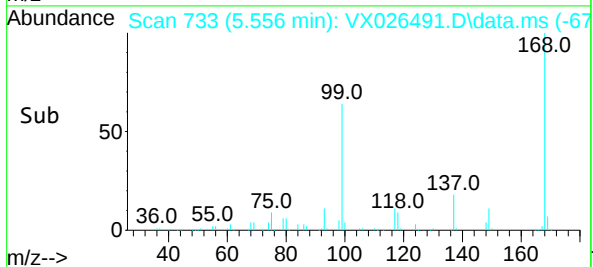
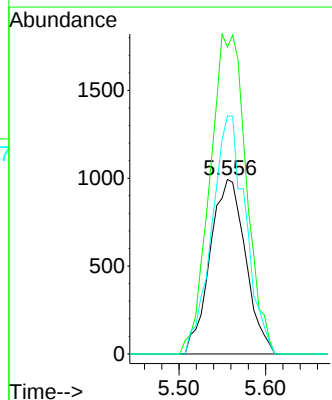
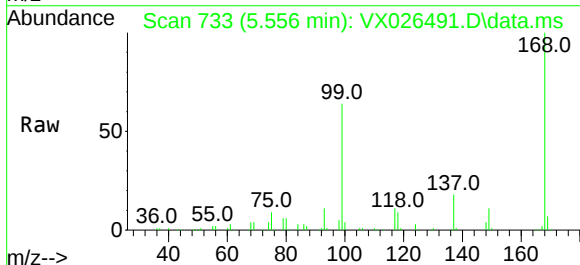
Tgt Ion: 56 Resp: 2826

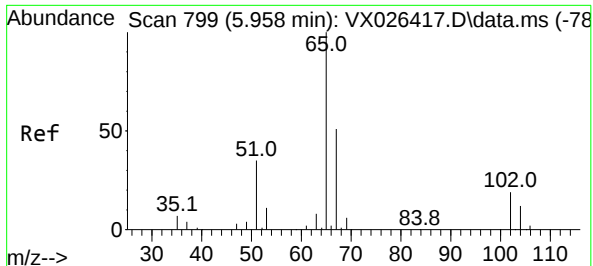
Ion Ratio Lower Upper

56 100

69 175.8 25.8 38.6#

84 136.4 68.9 103.3#





#33

1,2-Dichloroethane-d4

Concen: 50.545 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

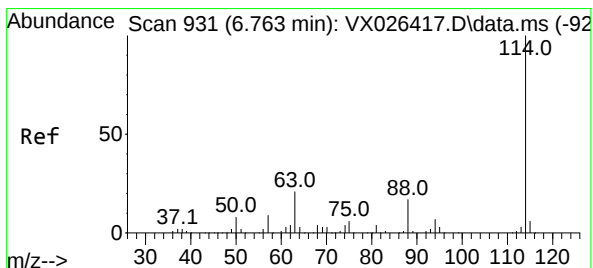
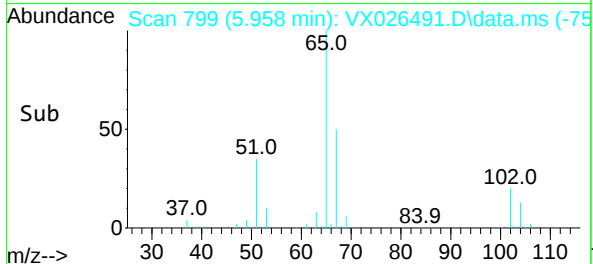
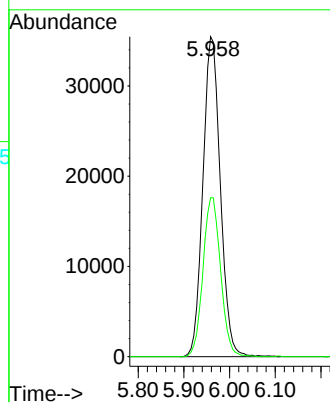
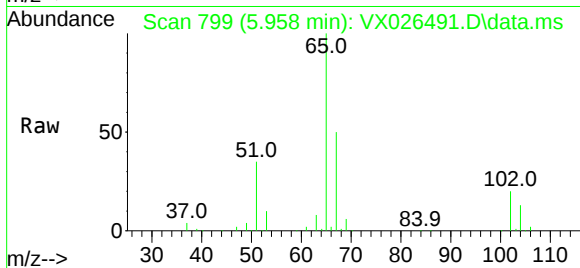
31502

Tgt Ion: 65 Resp: 93880

Ion Ratio Lower Upper

65 100

67 50.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

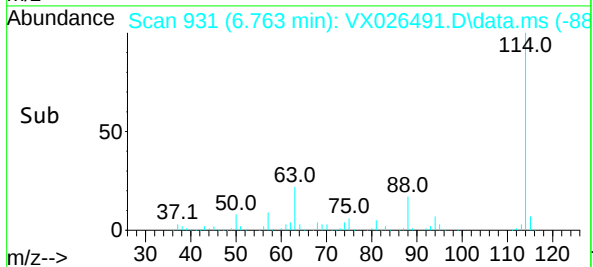
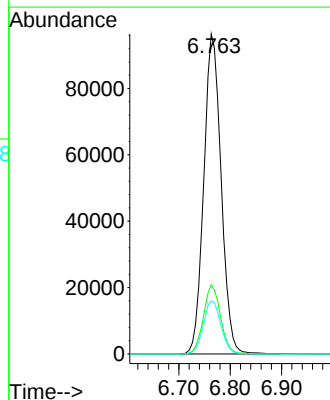
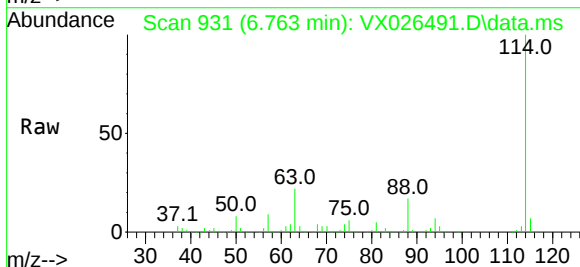
Tgt Ion: 114 Resp: 226163

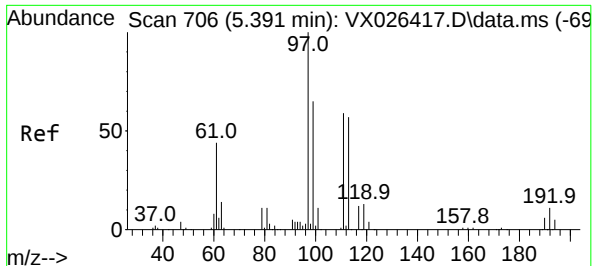
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.8

88 16.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.850 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026491.D

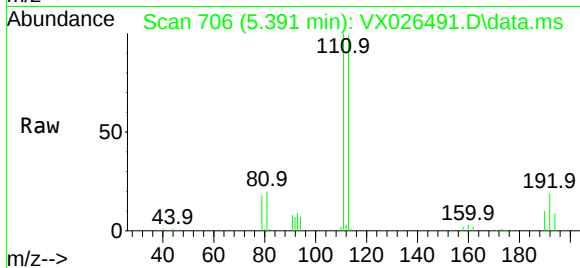
Acq: 17 Jan 2022 15:39

Instrument :

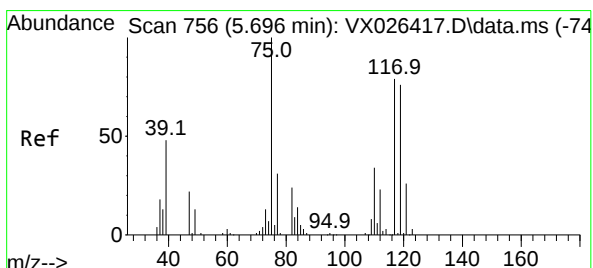
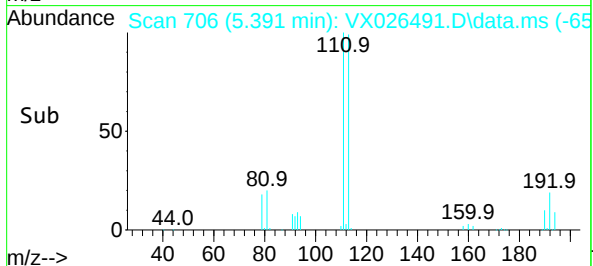
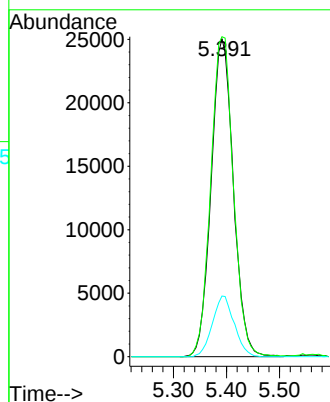
MSVOA_X

ClientSampleId :

31502



Tgt Ion:	113	Resp:	72806
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.2	121.8
192	18.7	15.0	22.4



#36

1,1-Dichloropropene

Concen: 4.621 ug/l

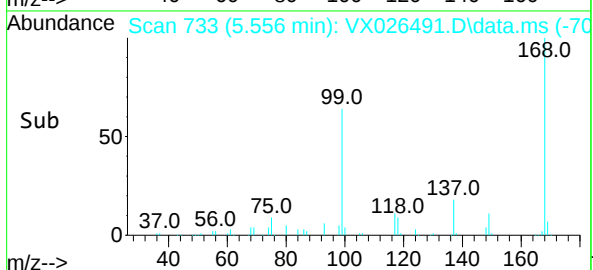
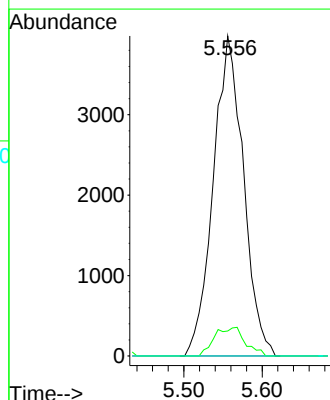
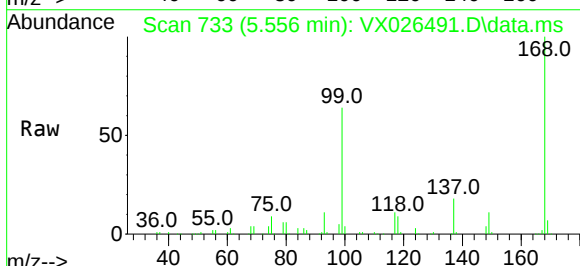
RT: 5.556 min Scan# 733

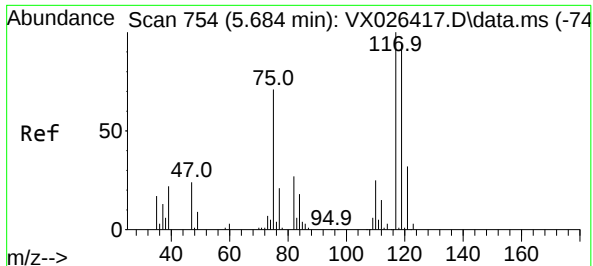
Delta R.T. -0.140 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

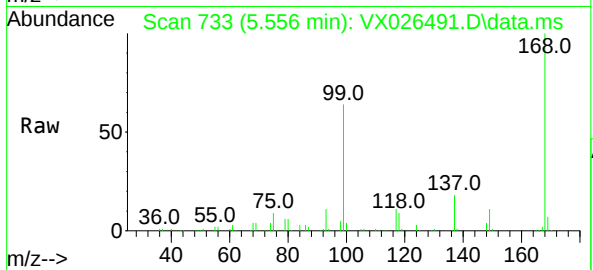
Tgt Ion:	75	Resp:	10654
Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.2	51.6#
77	0.0	24.6	36.8#



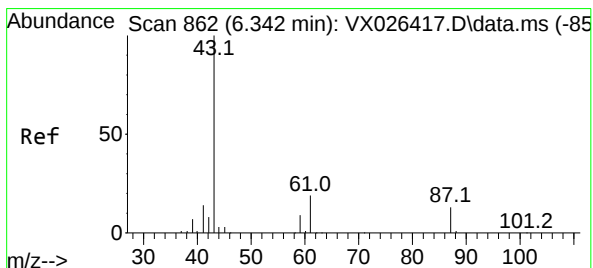
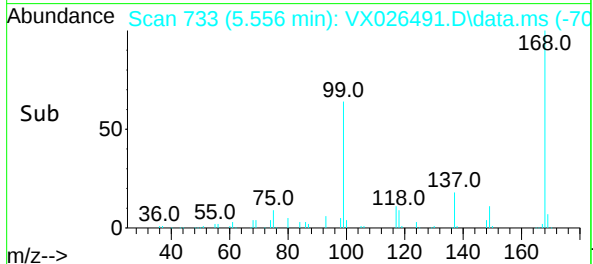
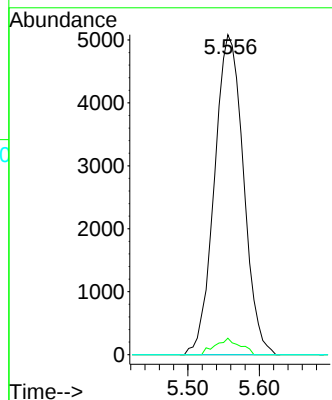


#38
Carbon Tetrachloride
Concen: 6.042 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
31502

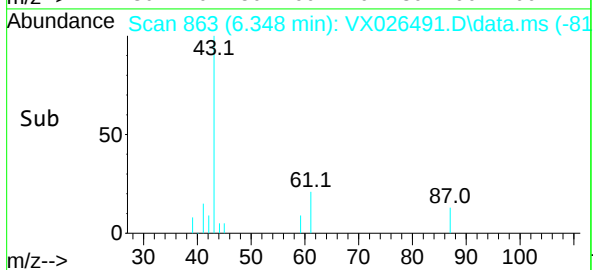
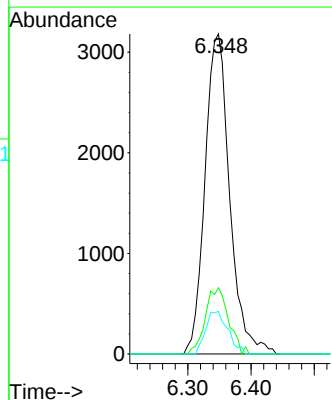
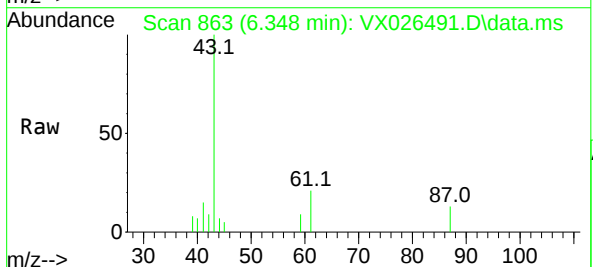


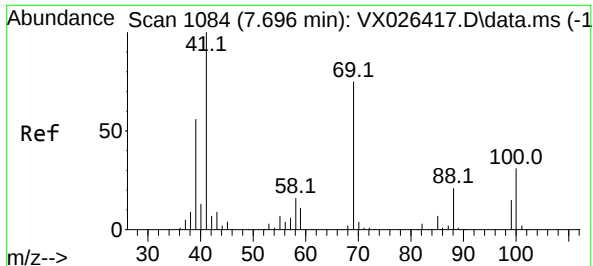
Tgt Ion:117 Resp: 14329
Ion Ratio Lower Upper
117 100
119 5.1 74.7 112.1#
121 0.0 25.4 38.0#



#43
Isopropyl Acetate
Concen: 2.293 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 43 Resp: 8637
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 12.0 10.2 15.2





#48

Methyl methacrylate

Concen: 2.083 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.098 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

31502

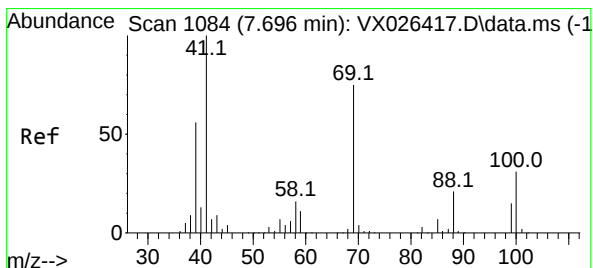
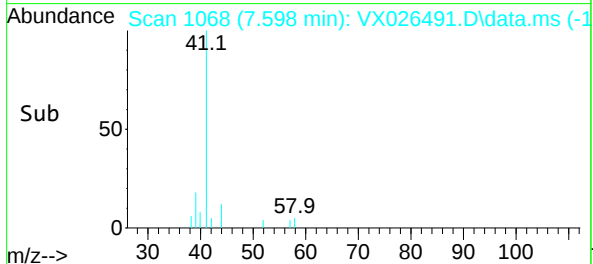
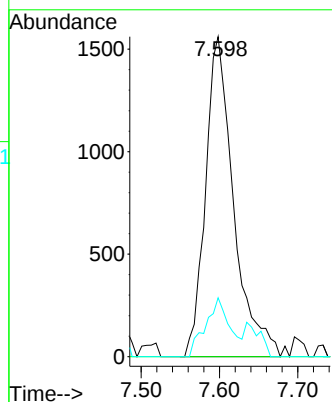
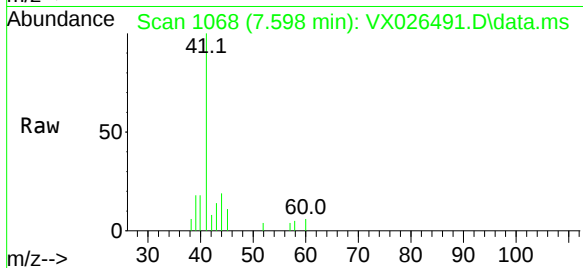
Tgt Ion: 41 Resp: 3889

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: 1.077 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.104 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

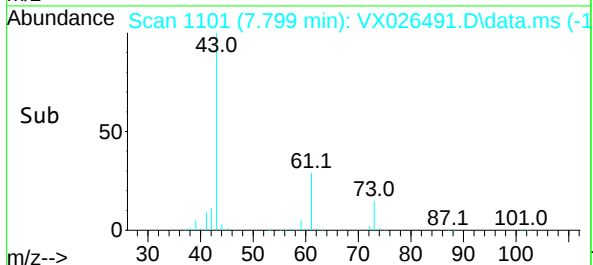
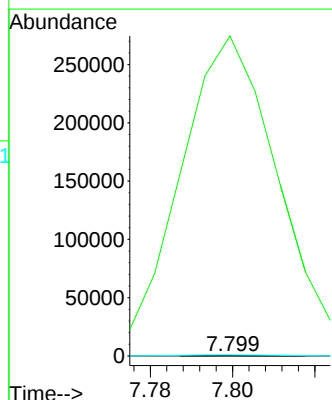
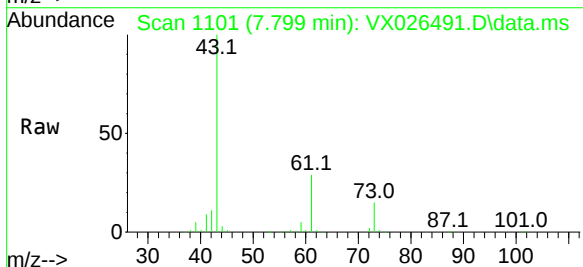
Tgt Ion: 88 Resp: 33

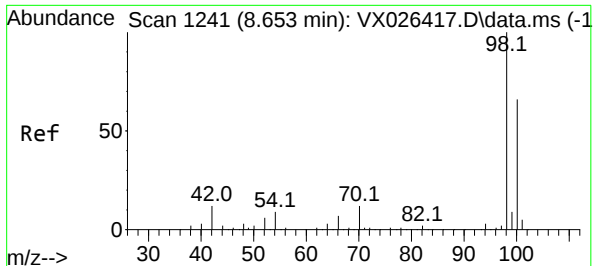
Ion Ratio Lower Upper

88 100

43 1406836.4 29.9 44.9#

58 5627.3 57.8 86.6#

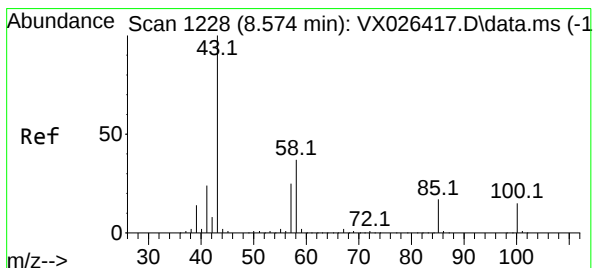
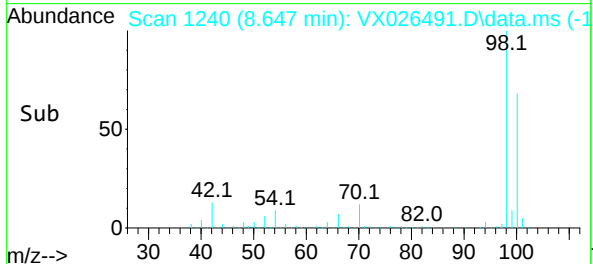
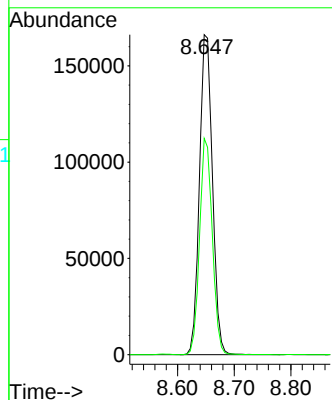
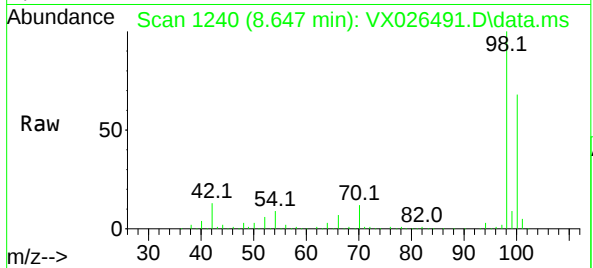




#50
Toluene-d8
Concen: 50.308 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

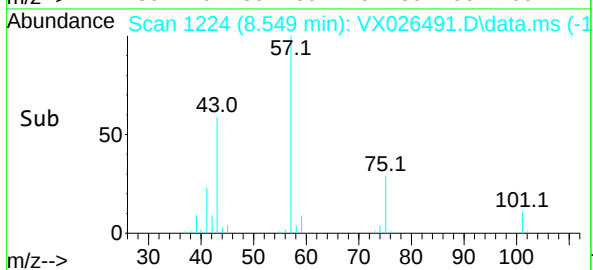
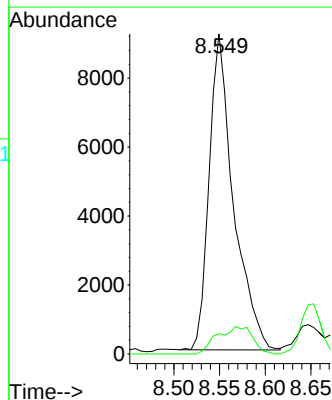
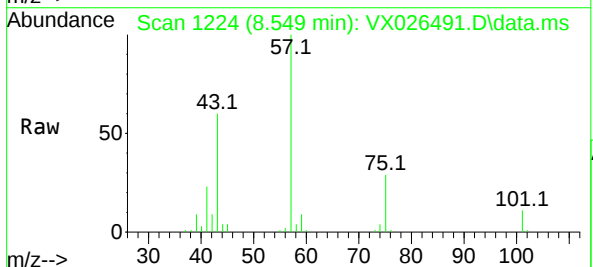
Instrument :
MSVOA_X
ClientSampleId :
31502

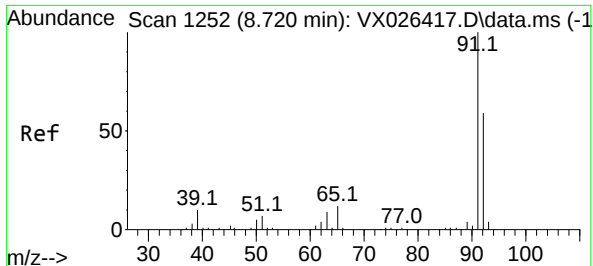
Tgt Ion: 98 Resp: 264772
Ion Ratio Lower Upper
98 100
100 65.9 53.2 79.8



#51
4-Methyl-2-Pentanone
Concen: 7.592 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 43 Resp: 16965
Ion Ratio Lower Upper
43 100
58 12.5 30.5 45.7#

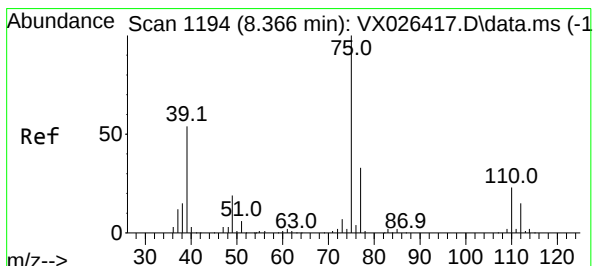
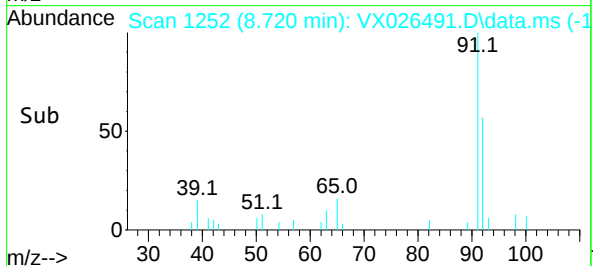
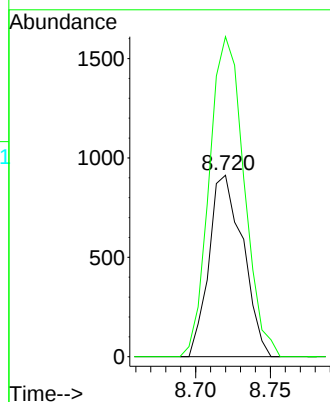
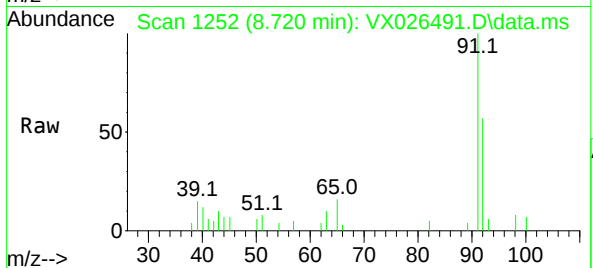




#52
Toluene
Concen: 0.369 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

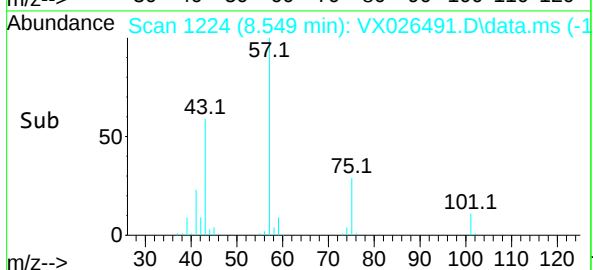
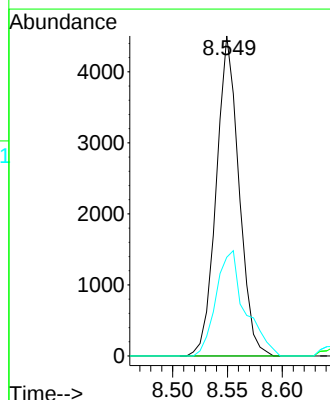
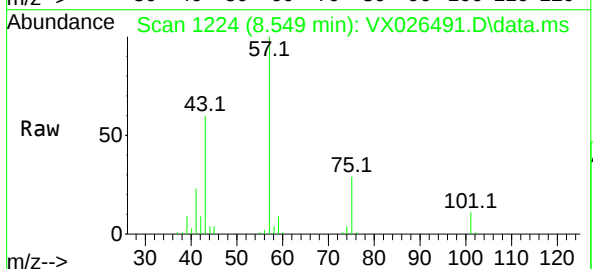
Instrument :
MSVOA_X
ClientSampleId :
31502

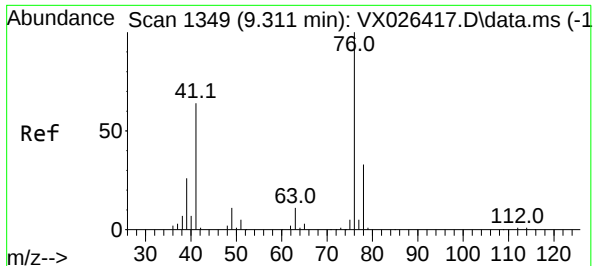
Tgt Ion: 92 Resp: 1442
Ion Ratio Lower Upper
92 100
91 180.4 135.7 203.5



#54
cis-1,3-Dichloropropene
Concen: 2.669 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 75 Resp: 6494
Ion Ratio Lower Upper
75 100
77 0.0 26.2 39.2#
39 30.8 43.5 65.3#





#57

1,3-Dichloropropane

Concen: 1.268 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

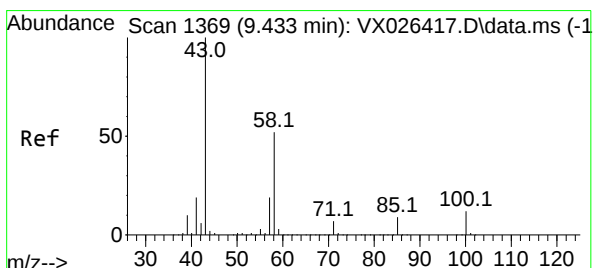
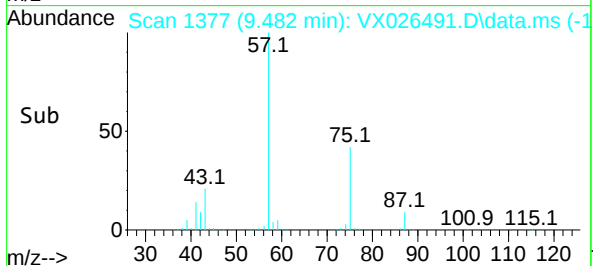
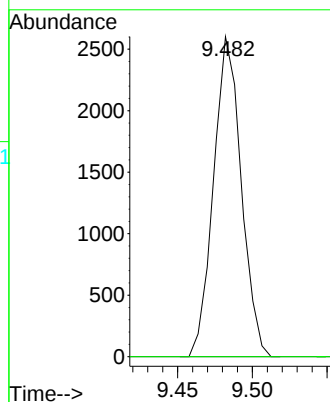
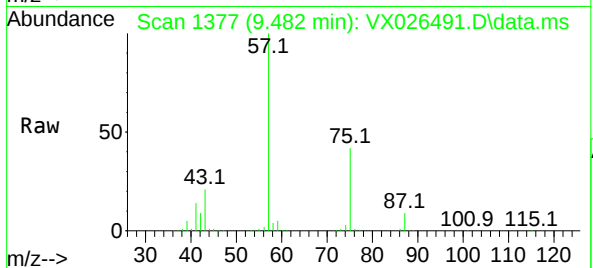
31502

Tgt Ion: 76 Resp: 3352

Ion Ratio Lower Upper

76 100

78 0.0 25.7 38.5#



#59

2-Hexanone

Concen: 29.046 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX026491.D

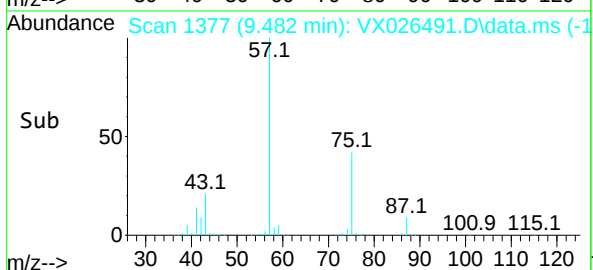
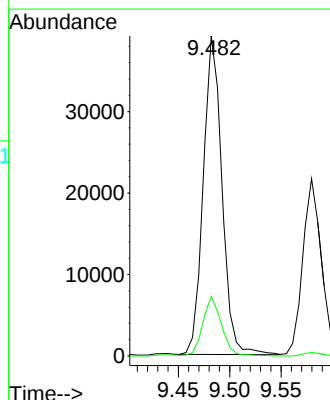
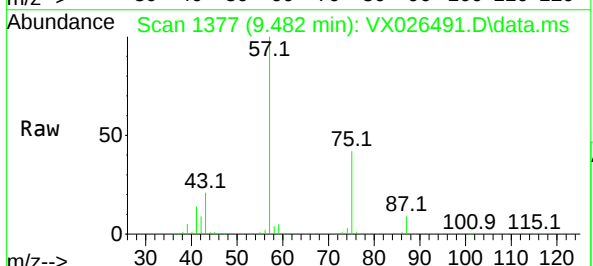
Acq: 17 Jan 2022 15:39

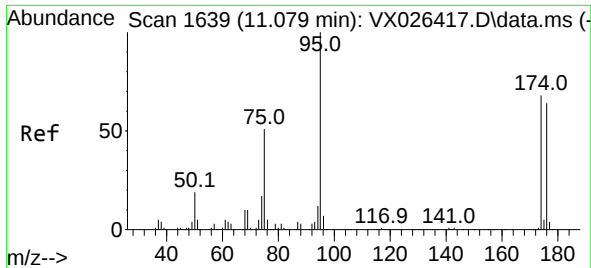
Tgt Ion: 43 Resp: 49678

Ion Ratio Lower Upper

43 100

58 18.6 26.4 79.2#

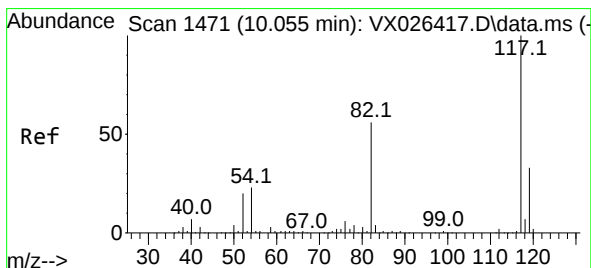
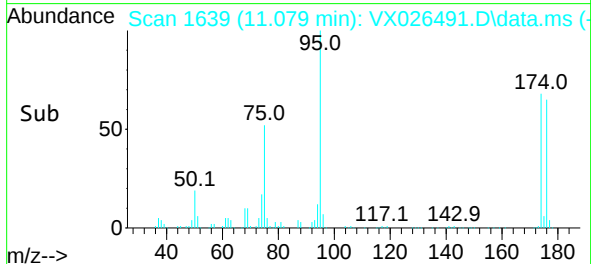
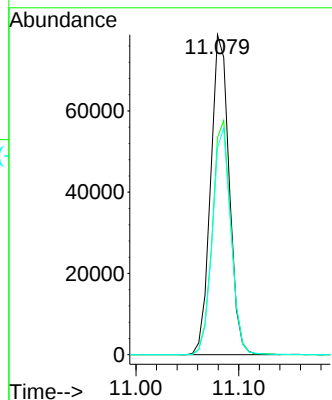
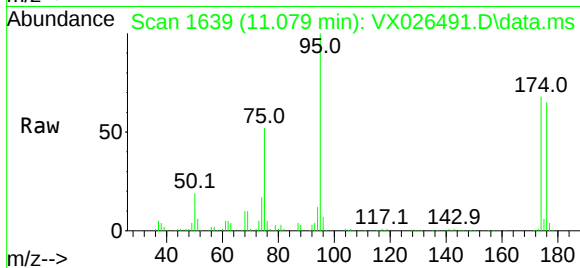




#62
4-Bromofluorobenzene
Concen: 52.702 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

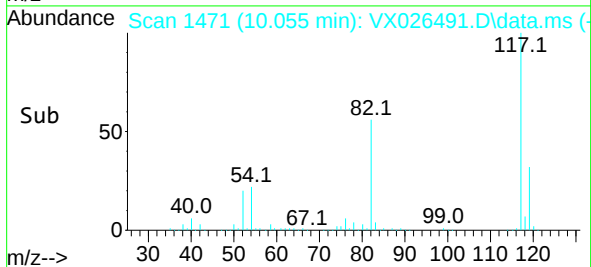
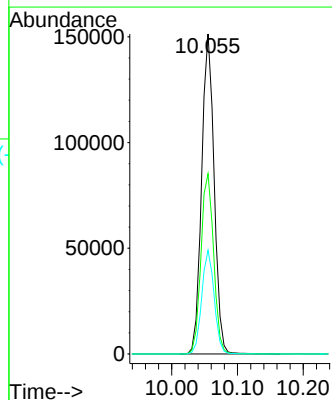
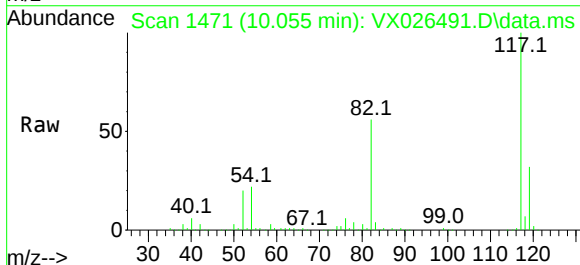
Instrument :
MSVOA_X
ClientSampleId :
31502

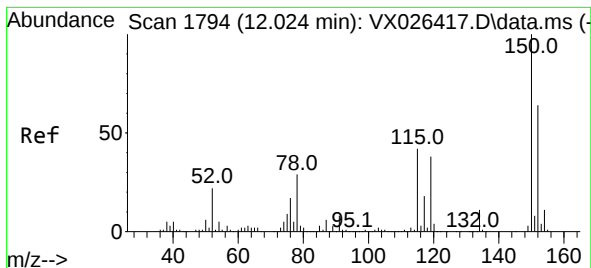
Tgt Ion: 95 Resp: 98532
Ion Ratio Lower Upper
95 100
174 73.2 0.0 148.6
176 70.5 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 117 Resp: 200035
Ion Ratio Lower Upper
117 100
82 56.3 45.2 67.8
119 32.4 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: VX026491.D

Acq: 17 Jan 2022 15:39

Instrument :

MSVOA_X

ClientSampleId :

31502

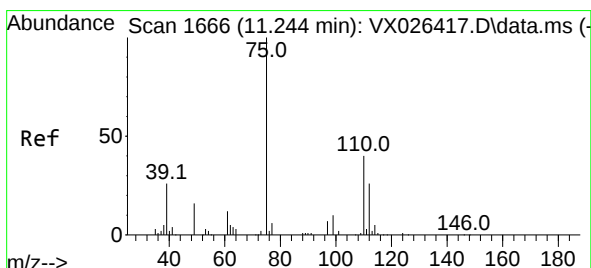
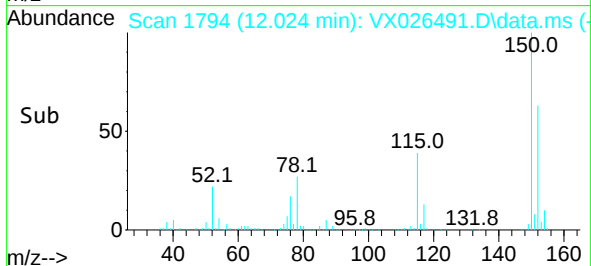
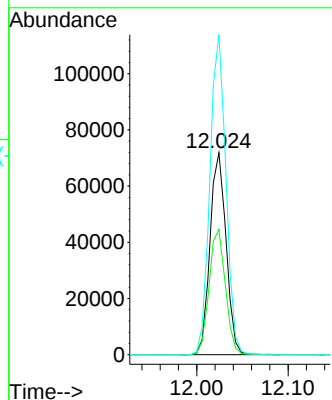
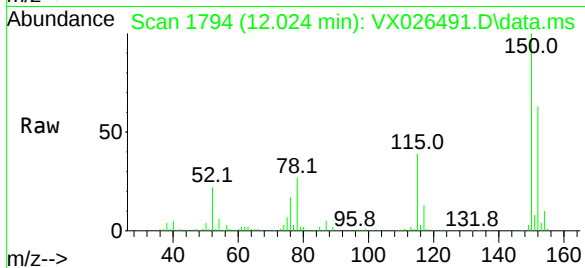
Tgt Ion:152 Resp: 87648

Ion Ratio Lower Upper

152 100

115 62.9 44.2 132.6

150 157.8 0.0 348.2



#76

1,2,3-Trichloropropane

Concen: 25.899 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX026491.D

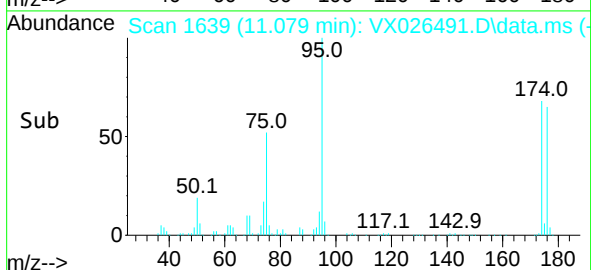
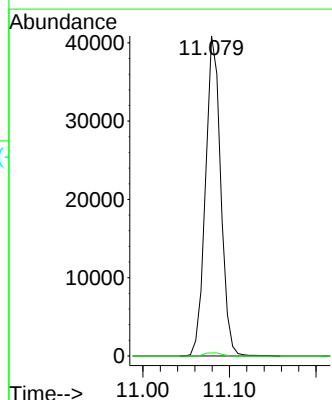
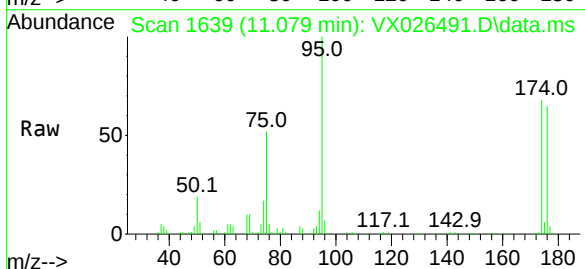
Acq: 17 Jan 2022 15:39

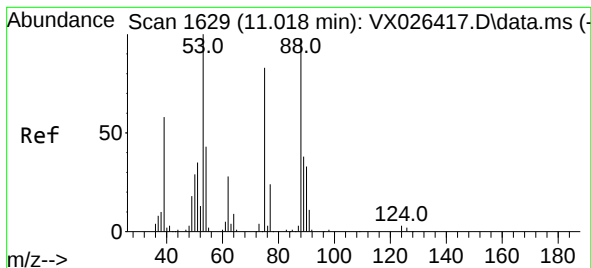
Tgt Ion: 75 Resp: 49981

Ion Ratio Lower Upper

75 100

77 1.1 18.3 54.8#

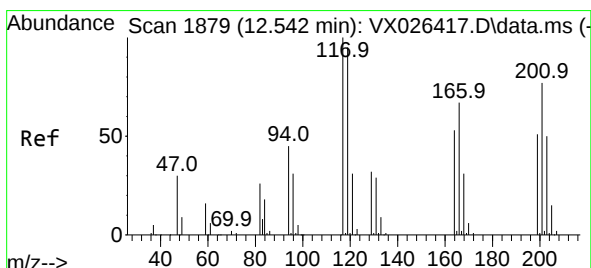
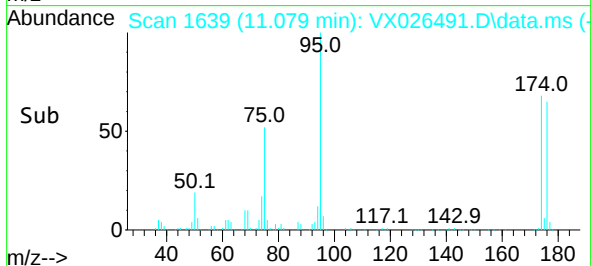
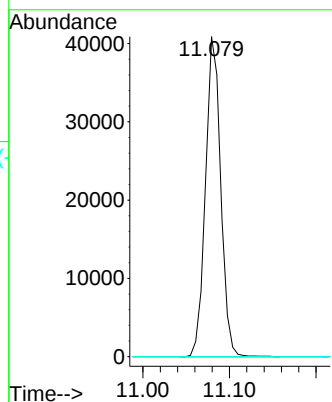
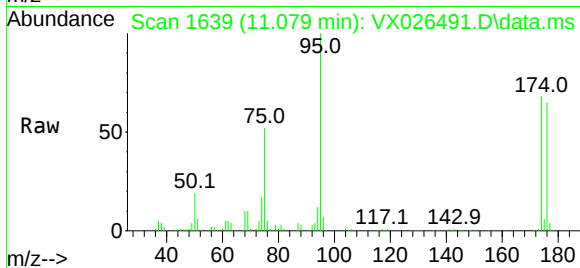




#81
trans-1,4-Dichloro-2-butene
Concen: 78.545 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Instrument :
MSVOA_X
ClientSampleId :
31502

Tgt Ion: 75 Resp: 49981
Ion Ratio Lower Upper
75 100
53 0.0 94.0 141.0#
89 0.0 37.0 55.4#



#90
Hexachloroethane
Concen: 2.245 ug/l
RT: 12.695 min Scan# 1904
Delta R.T. 0.153 min
Lab File: VX026491.D
Acq: 17 Jan 2022 15:39

Tgt Ion: 117 Resp: 71
Ion Ratio Lower Upper
117 100
201 0.0 35.6 106.8#

