

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026191.D
 Acq On : 31 Dec 2021 00:55
 Operator : JC/MD
 Sample : PB141640ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 31 21:33:08 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)

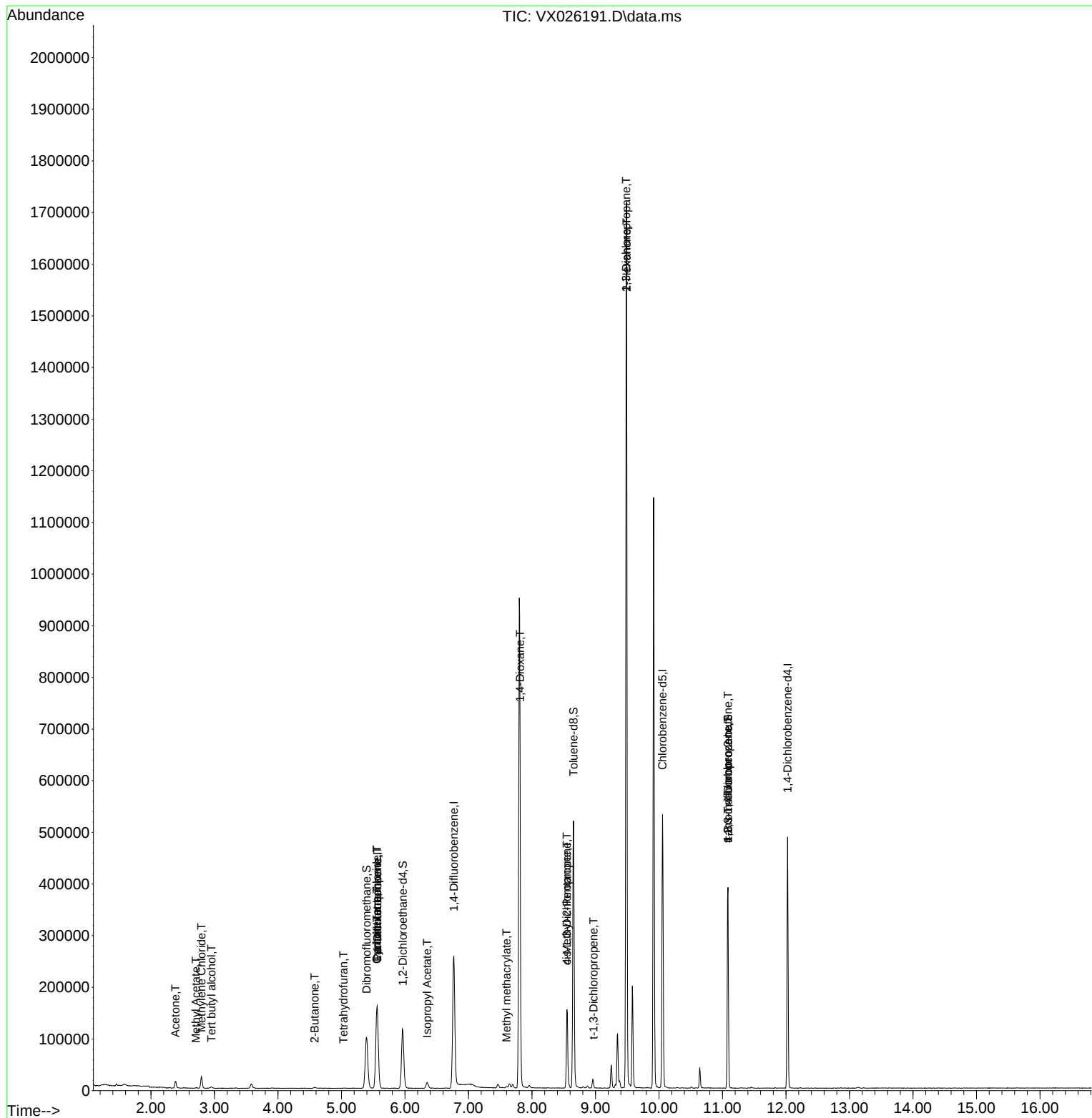
Internal Standards						
1) Pentafluorobenzene	5.562	168	141305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243627	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215575	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88281	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107628	52.649	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.300%
35) Dibromofluoromethane	5.397	113	82812	52.284	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.560%
50) Toluene-d8	8.653	98	289935	49.212	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.420%
62) 4-Bromofluorobenzene	11.085	95	97924	46.690	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1721	4.215	ug/l #	73
16) Acetone	2.386	43	15370	13.877	ug/l	90
18) Methyl Acetate	2.709	43	1191	0.332	ug/l #	77
20) Methylene Chloride	2.794	84	8811	4.108	ug/l	93
25) 2-Butanone	4.574	43	2638	1.710	ug/l	94
29) Tetrahydrofuran	5.032	42	481	0.495	ug/l #	32
31) Cyclohexane	5.556	56	3854	1.324	ug/l #	45
36) 1,1-Dichloropropene	5.562	75	12123	4.745	ug/l #	50
38) Carbon Tetrachloride	5.556	117	15164	5.336	ug/l #	16
43) Isopropyl Acetate	6.349	43	15690	3.250	ug/l	95
48) Methyl methacrylate	7.598	41	4616	1.994	ug/l #	12
49) 1,4-Dioxane	7.812	88	104	2.437	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55102	18.341	ug/l #	50
53) t-1,3-Dichloropropene	8.970	75	42	1.907	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	22113	7.434	ug/l #	72
57) 1,3-Dichloropropane	9.482	76	14498	4.588	ug/l #	42
59) 2-Hexanone	9.488	43	218148	95.861	ug/l #	49
76) 1,2,3-Trichloropropane	11.085	75	53766	25.232	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53766	72.996	ug/l #	10

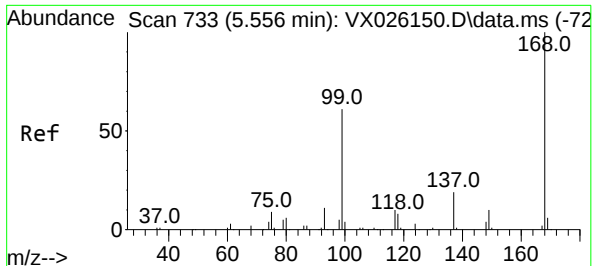
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 31 21:33:08 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

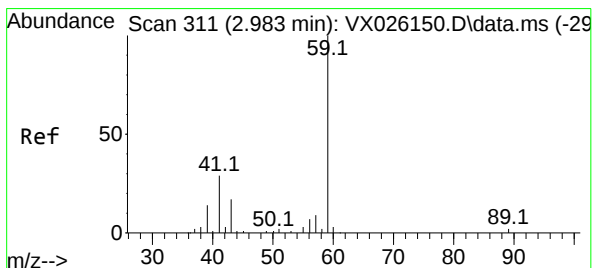
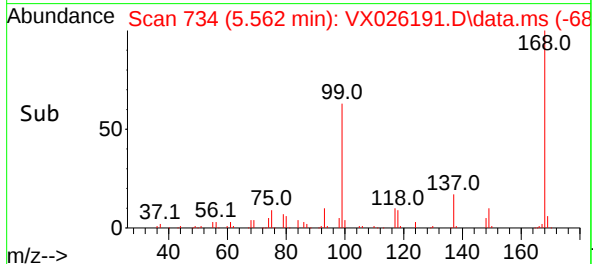
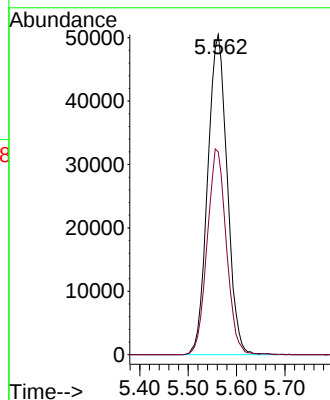
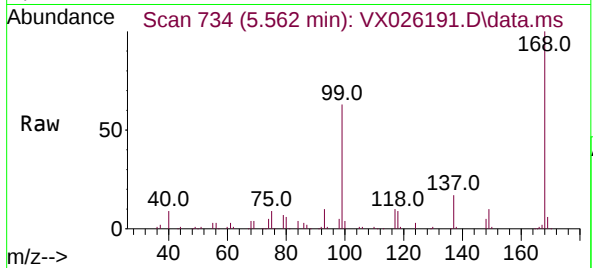




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

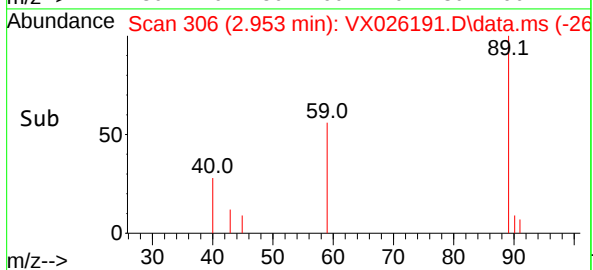
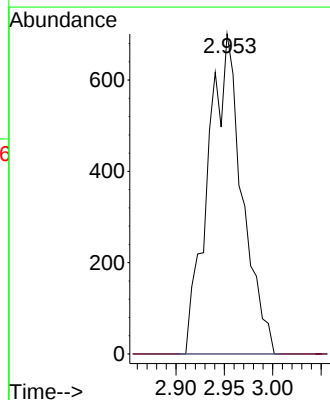
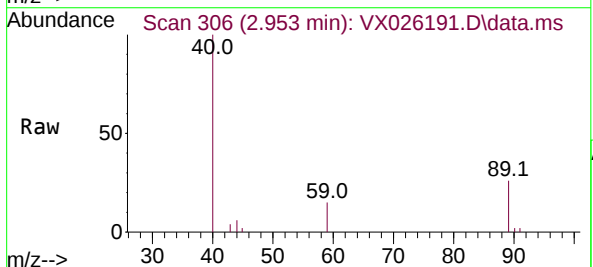
Instrument :
MSVOA_X
ClientSampleId :

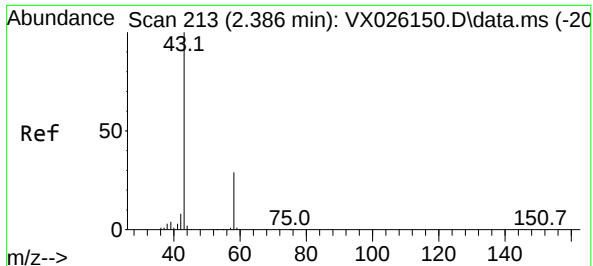
Tgt Ion:168 Resp: 141305
Ion Ratio Lower Upper
168 100
99 63.4 45.8 68.8



#11
Tert butyl alcohol
Concen: 4.215 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Tgt Ion: 59 Resp: 1721
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

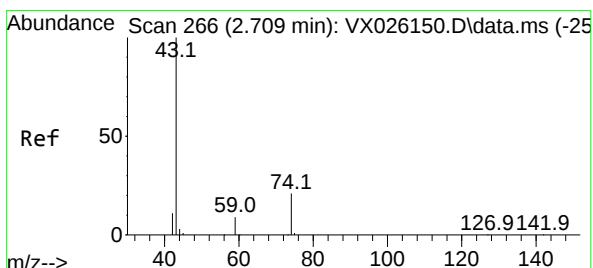
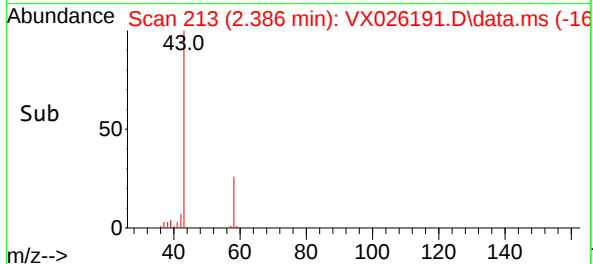
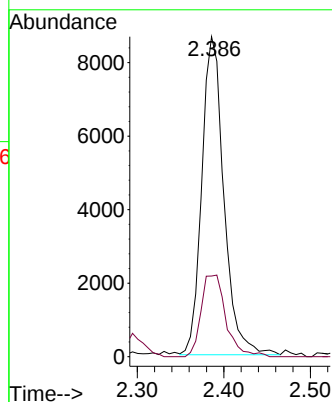
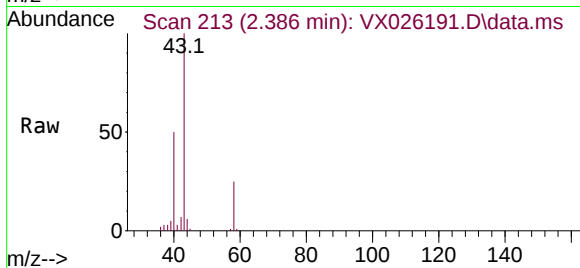




#16
Acetone
Concen: 13.877 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

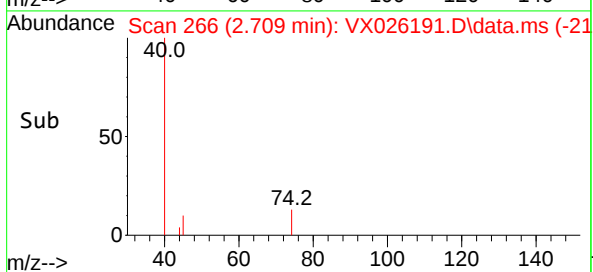
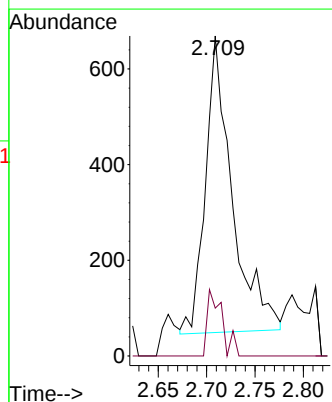
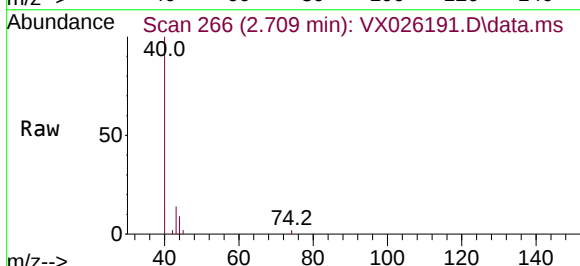
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 15370
Ion Ratio Lower Upper
43 100
58 25.4 24.8 37.2



#18
Methyl Acetate
Concen: 0.332 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

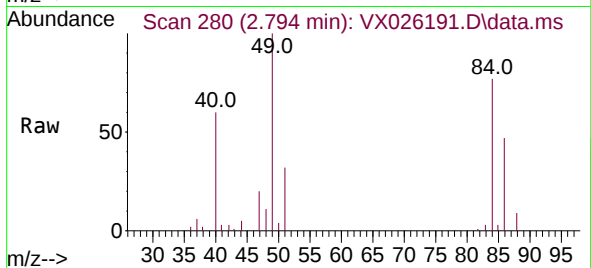
Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
74 12.4 19.1 28.7#



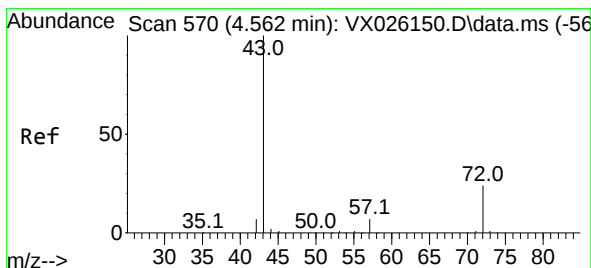
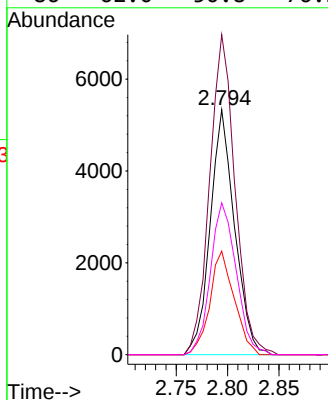
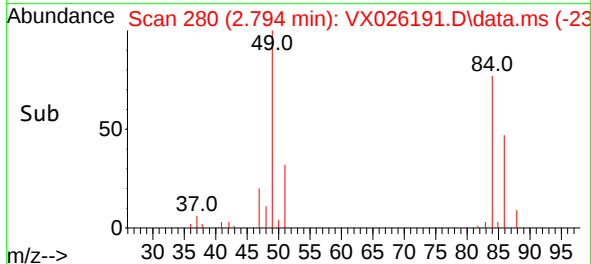


#20
Methylene Chloride
Concen: 4.108 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Instrument :
MSVOA_X
ClientSampleId :

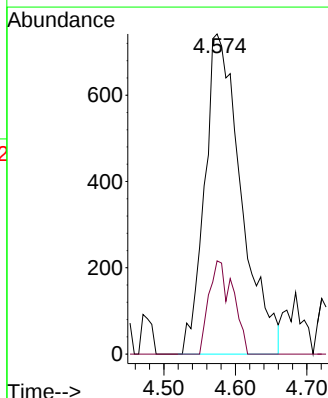
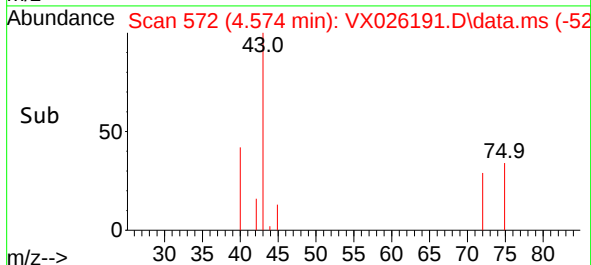
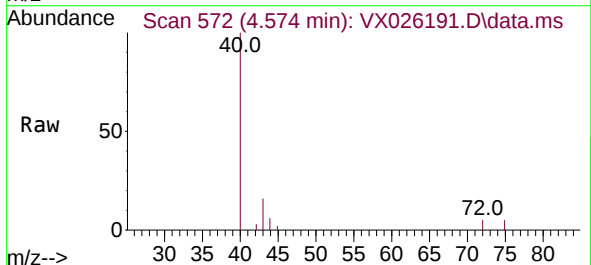


Tgt Ion:	84	Resp:	8811
Ion	Ratio	Lower	Upper
84	100		
49	130.6	97.1	145.7
51	42.2	29.3	43.9
86	62.0	50.8	76.2



#25
2-Butanone
Concen: 1.710 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Tgt Ion:	43	Resp:	2638
Ion	Ratio	Lower	Upper
43	100		
72	29.1	21.0	31.4





#29

Tetrahydrofuran

Concen: 0.495 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.019 min

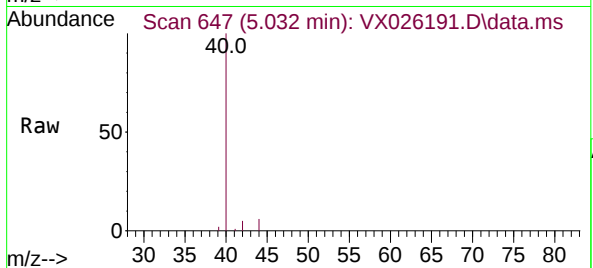
Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

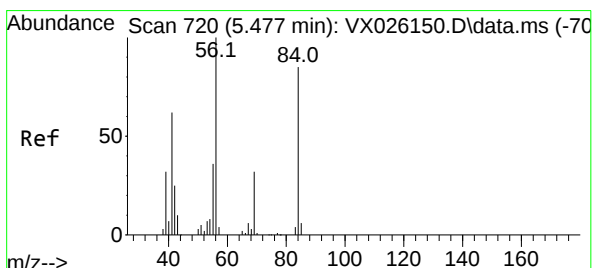
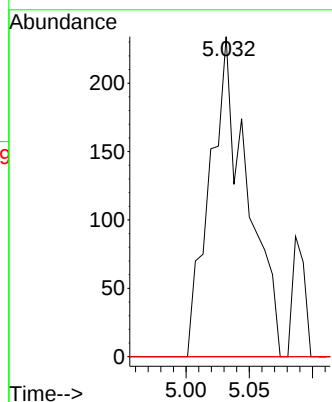
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	481
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.0	55.6#
71	0.0	34.1	51.1#



#31

Cyclohexane

Concen: 1.324 ug/l

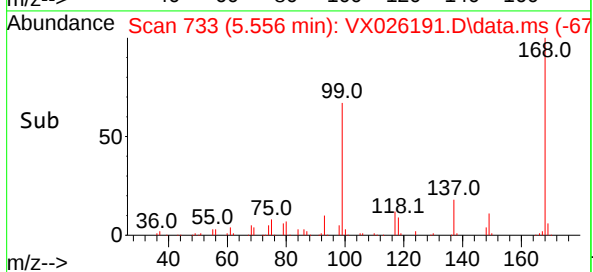
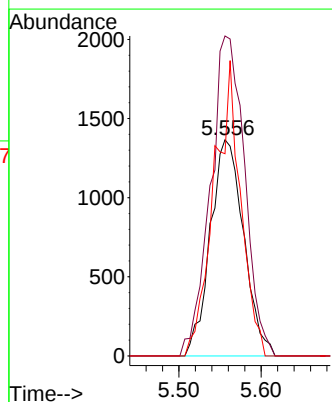
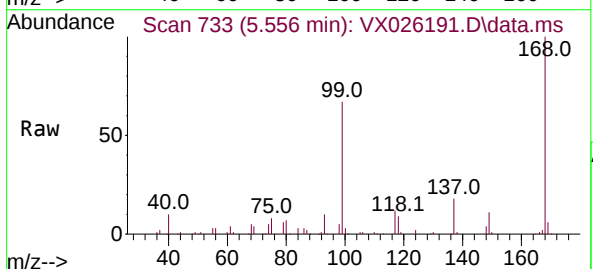
RT: 5.556 min Scan# 733

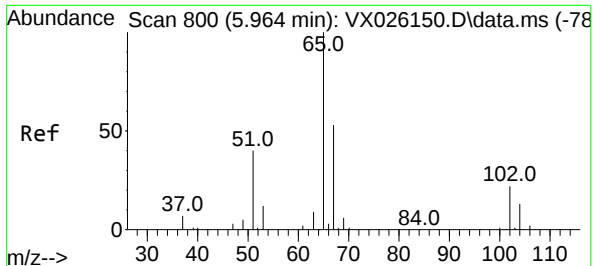
Delta R.T. 0.079 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

Tgt Ion:	56	Resp:	3854
Ion	Ratio	Lower	Upper
56	100		
69	148.0	23.9	35.9#
84	93.6	73.2	109.8





#33

1,2-Dichloroethane-d4

Concen: 52.649 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

Instrument :

MSVOA_X

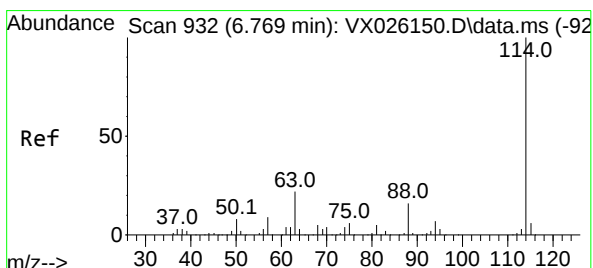
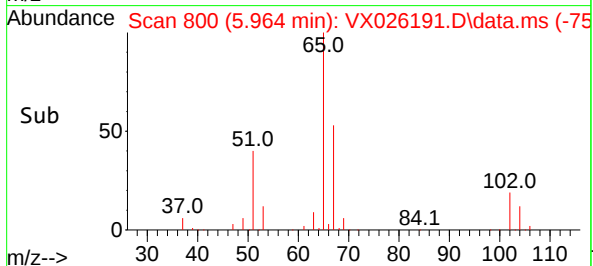
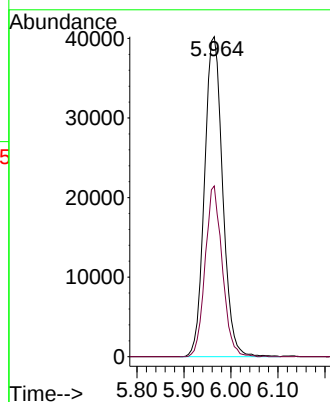
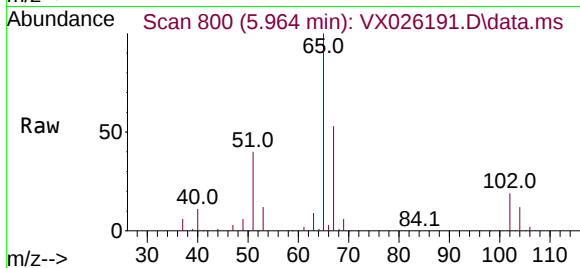
ClientSampleId :

Tgt Ion: 65 Resp: 107628

Ion Ratio Lower Upper

65 100

67 50.3 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: VX026191.D

Acq: 31 Dec 2021 00:55

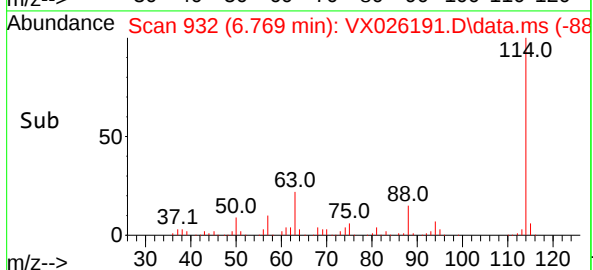
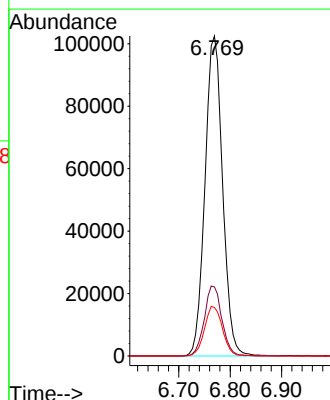
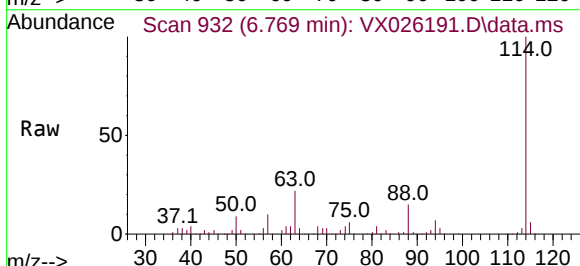
Tgt Ion: 114 Resp: 243627

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.284 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

Instrument :

MSVOA_X

ClientSampleId :

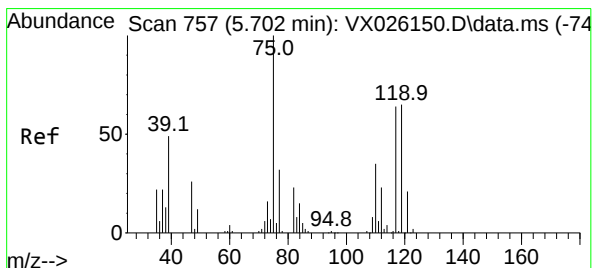
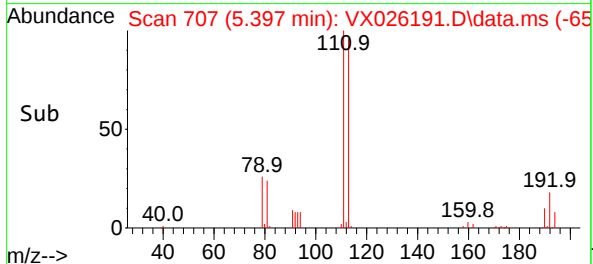
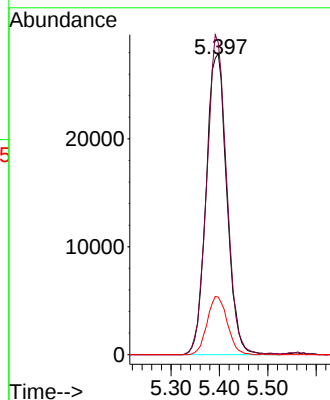
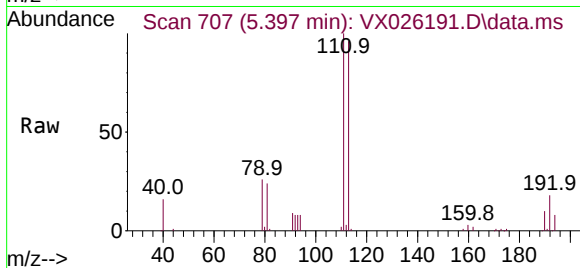
Tgt Ion:113 Resp: 82812

Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.8

192 18.8 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.745 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

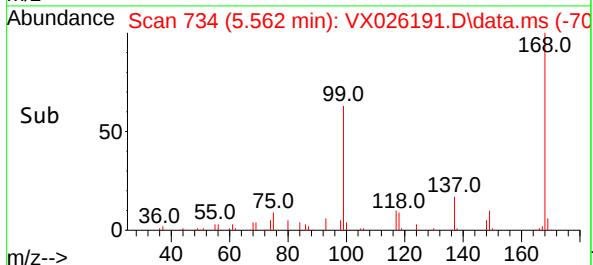
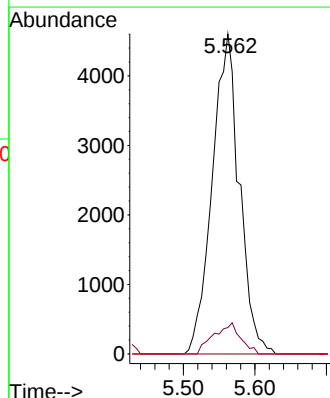
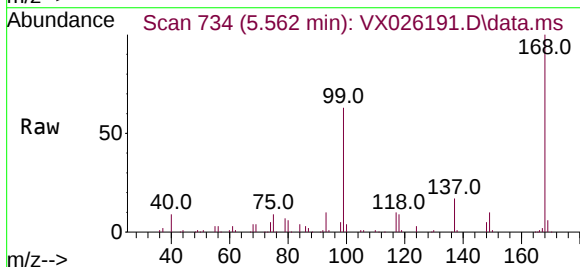
Tgt Ion: 75 Resp: 12123

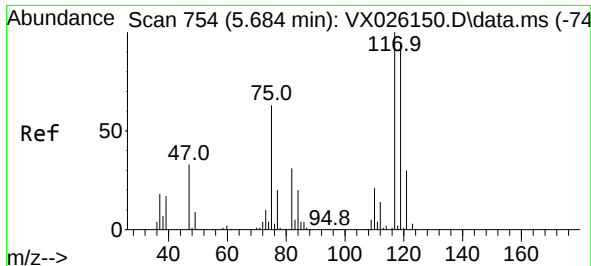
Ion Ratio Lower Upper

75 100

110 9.6 18.2 54.6#

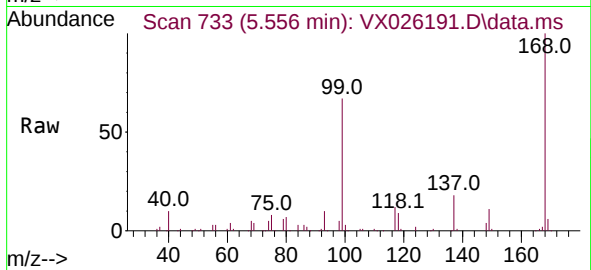
77 0.0 24.7 37.1#



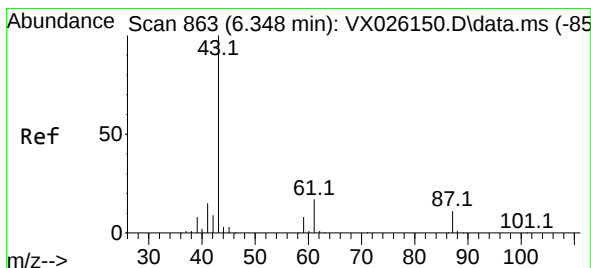
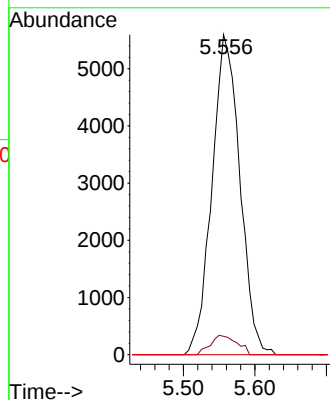
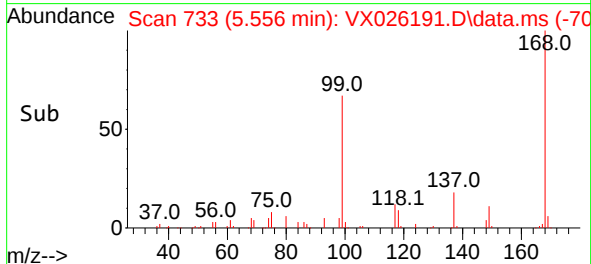


#38
Carbon Tetrachloride
Concen: 5.336 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Instrument :
MSVOA_X
ClientSampleId :

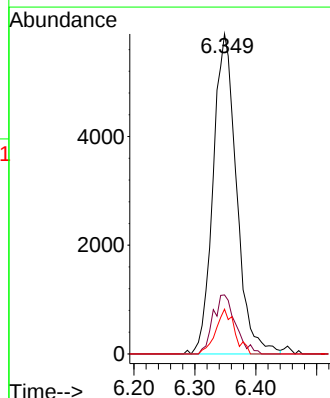
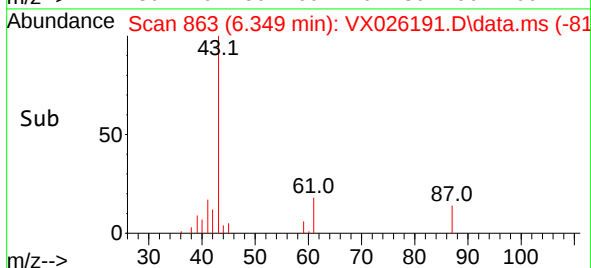
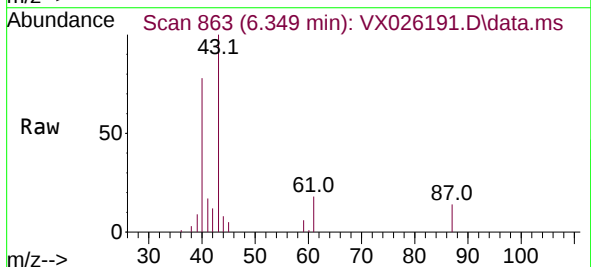


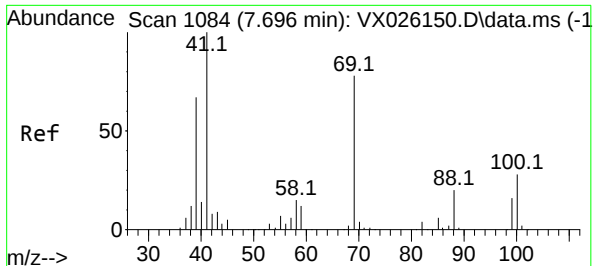
Tgt Ion:117 Resp: 15164
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.250 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.001 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

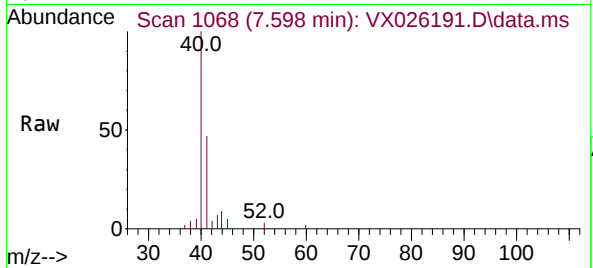
Tgt Ion: 43 Resp: 15690
Ion Ratio Lower Upper
43 100
61 17.7 15.7 23.5
87 11.3 11.2 16.8



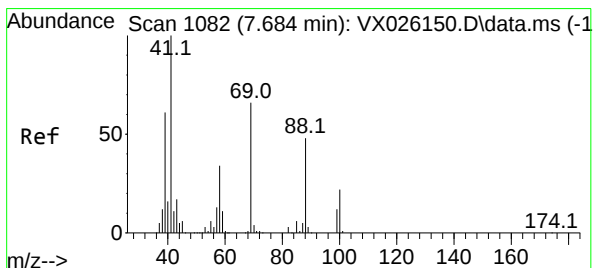
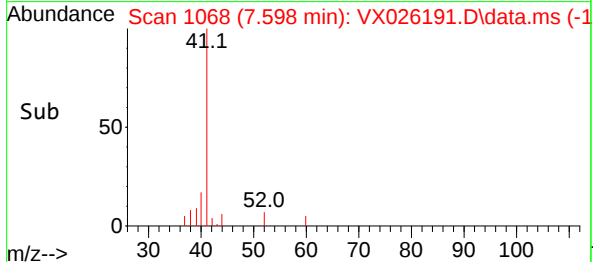
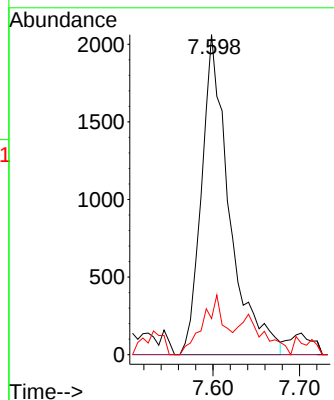


#48
Methyl methacrylate
Concen: 1.994 ug/l
RT: 7.598 min Scan# 1103
Delta R.T. -0.098 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Instrument :
MSVOA_X
ClientSampleId :

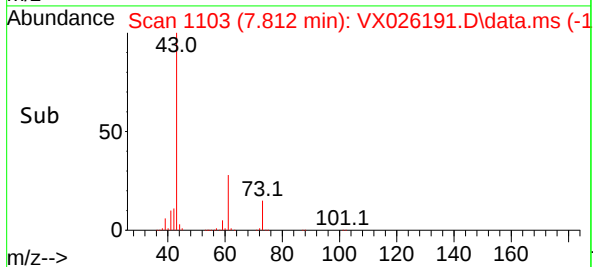
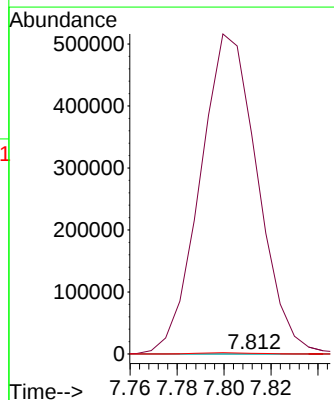
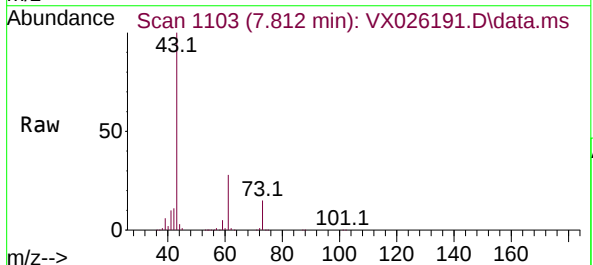


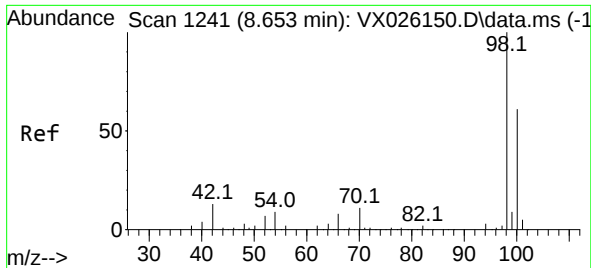
Tgt Ion: 41 Resp: 4616
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 2.437 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.128 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Tgt Ion: 88 Resp: 104
Ion Ratio Lower Upper
88 100
43 849464.4 25.3 37.9#
58 3297.1 51.8 77.6#

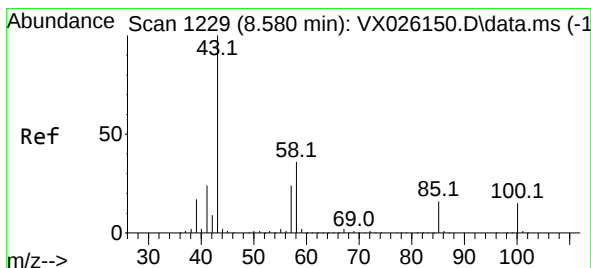
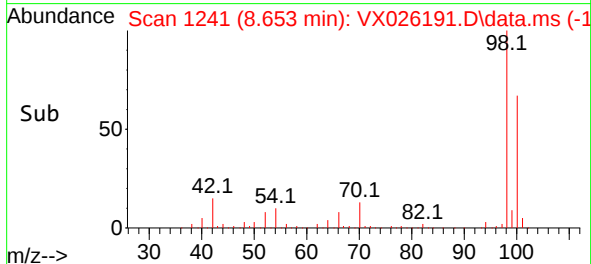
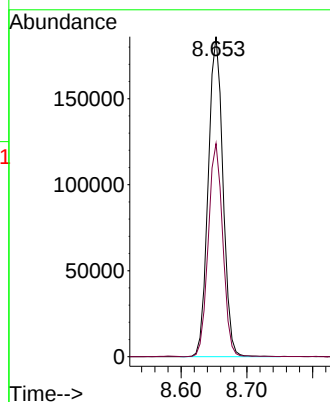
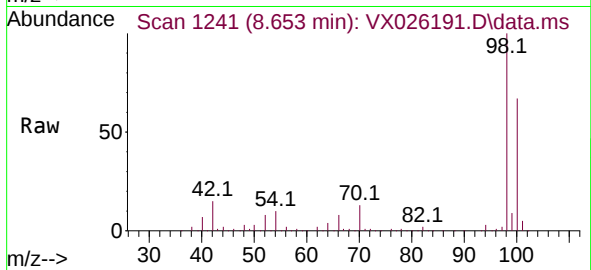




#50
Toluene-d8
Concen: 49.212 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

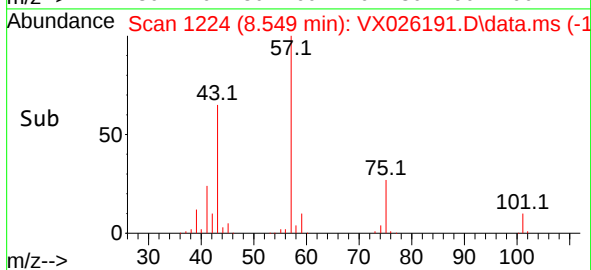
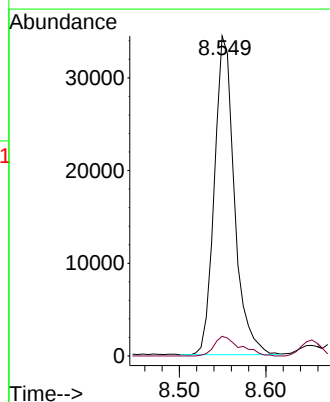
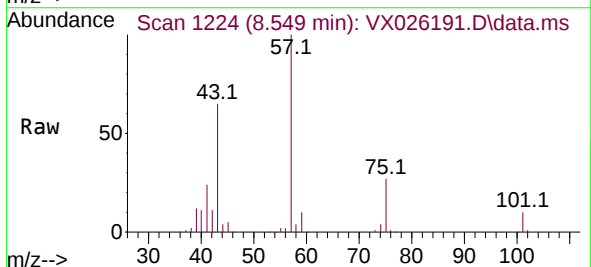
Instrument :
MSVOA_X
ClientSampleId :

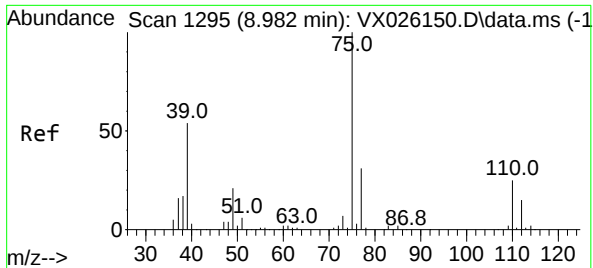
Tgt Ion: 98 Resp: 289935
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.341 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

Tgt Ion: 43 Resp: 55102
Ion Ratio Lower Upper
43 100
58 8.0 30.8 46.2#





#53

t-1,3-Dichloropropene

Concen: 1.907 ug/l

RT: 8.970 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

Instrument :

MSVOA_X

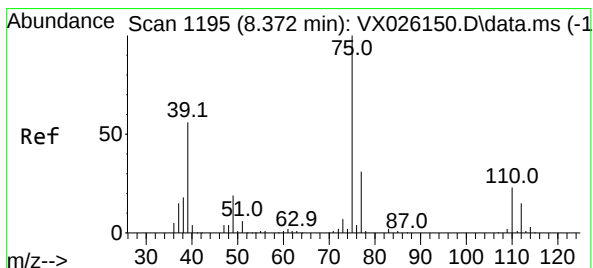
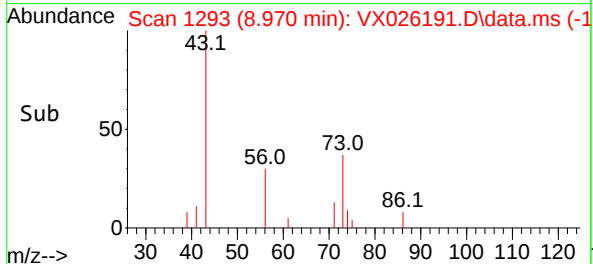
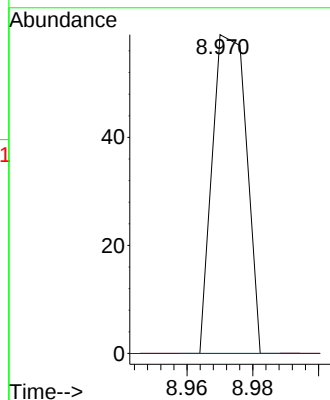
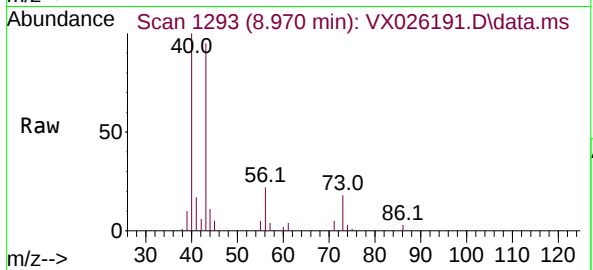
ClientSampleId :

Tgt Ion: 75 Resp: 42

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 7.434 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

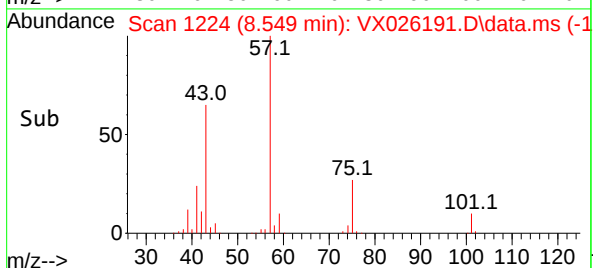
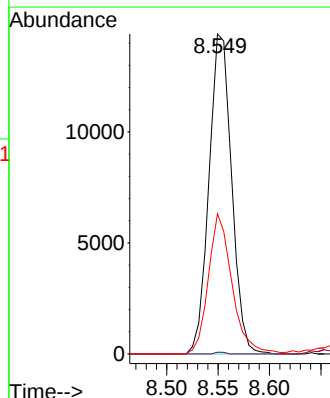
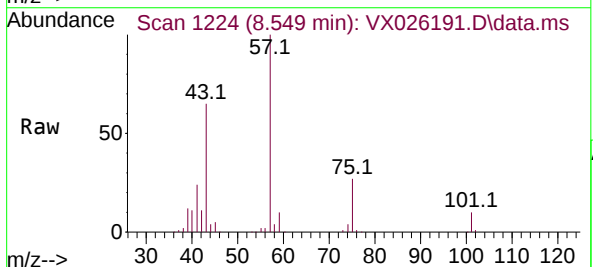
Tgt Ion: 75 Resp: 22113

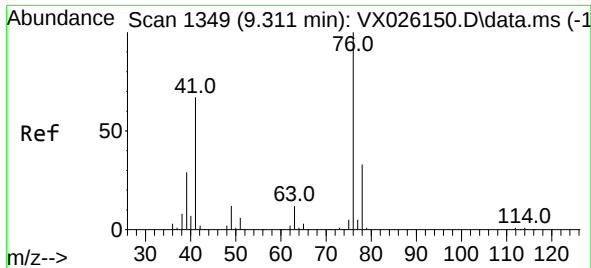
Ion Ratio Lower Upper

75 100

77 0.6 25.3 37.9#

39 43.8 41.4 62.0





#57

1,3-Dichloropropane

Concen: 4.588 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.171 min

Lab File: VX026191.D

Acq: 31 Dec 2021 00:55

Instrument :

MSVOA_X

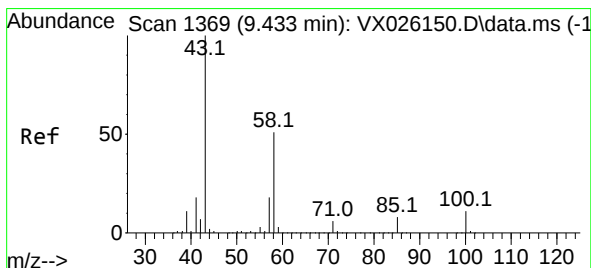
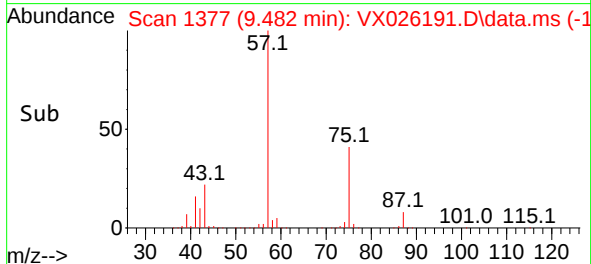
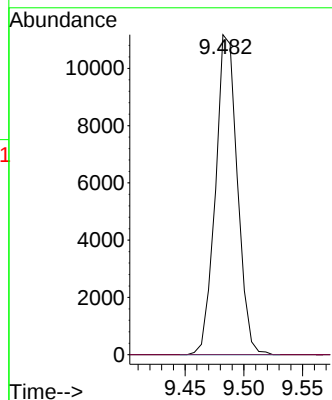
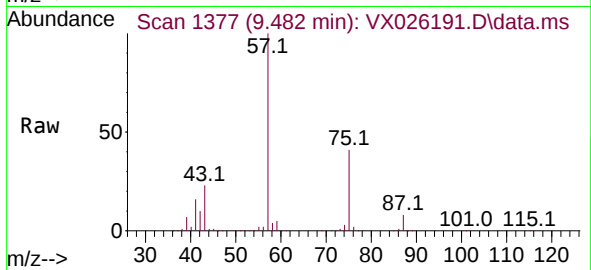
ClientSampleId :

Tgt Ion: 76 Resp: 14498

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 95.861 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026191.D

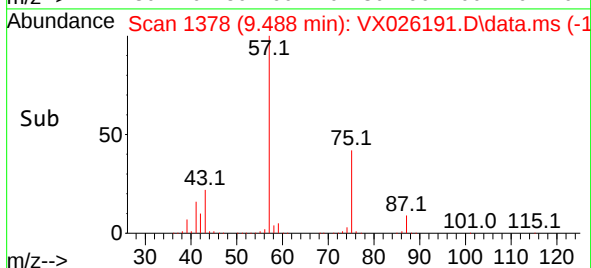
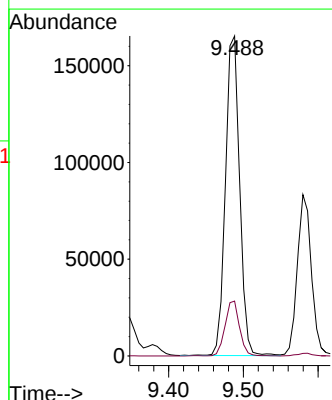
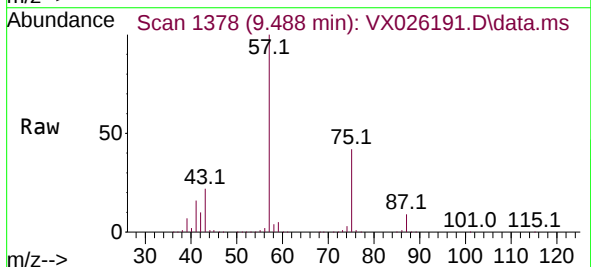
Acq: 31 Dec 2021 00:55

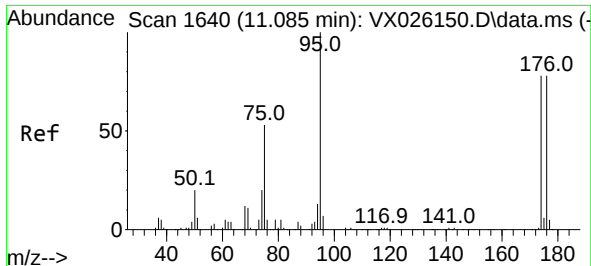
Tgt Ion: 43 Resp: 218148

Ion Ratio Lower Upper

43 100

58 17.6 26.9 80.6#

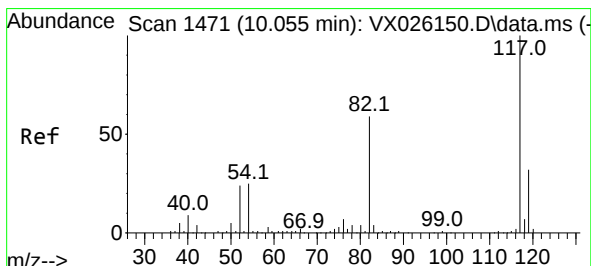
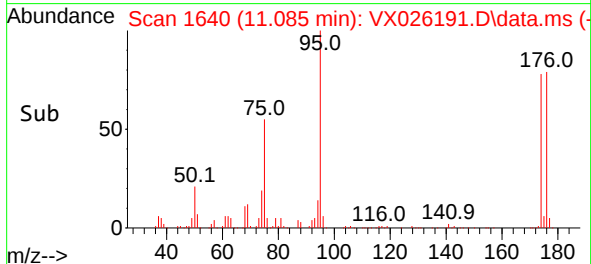
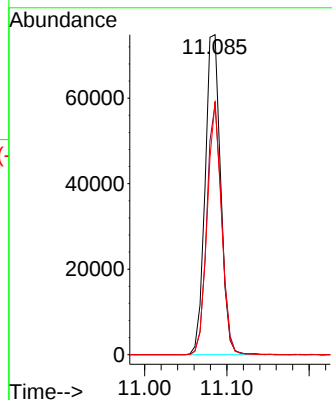
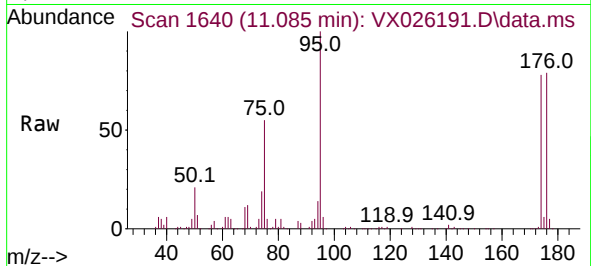




#62
4-Bromofluorobenzene
Concen: 46.690 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

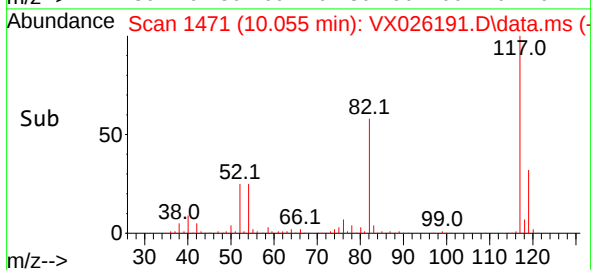
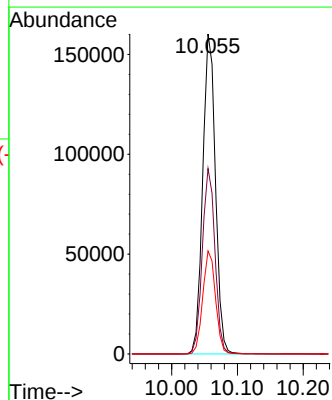
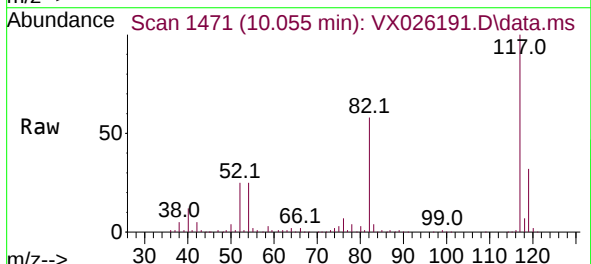
Instrument :
MSVOA_X
ClientSampleId :

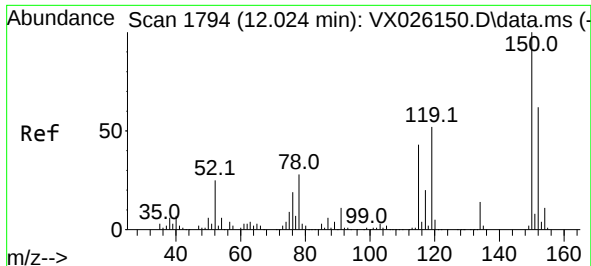
Tgt Ion: 95 Resp: 97924
Ion Ratio Lower Upper
95 100
174 75.2 0.0 157.4
176 72.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026191.D
Acq: 31 Dec 2021 00:55

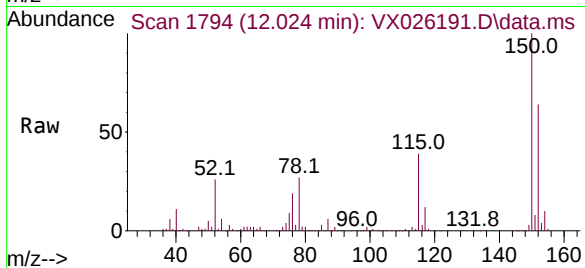
Tgt Ion: 117 Resp: 215575
Ion Ratio Lower Upper
117 100
82 57.9 43.8 65.6
119 32.2 25.2 37.8



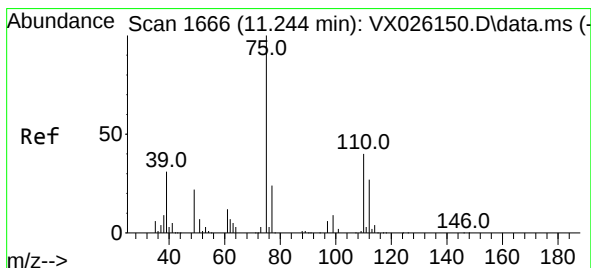
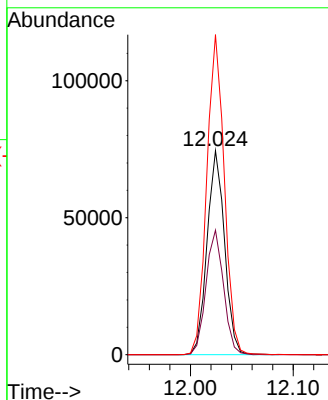
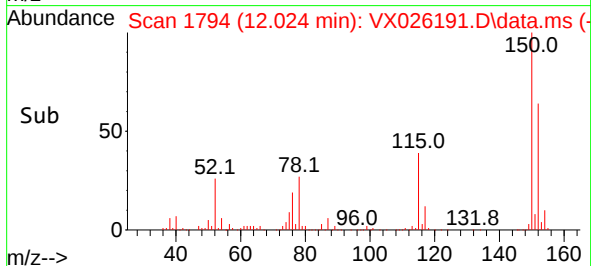


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026191.D
 Acq: 31 Dec 2021 00:55

Instrument :
 MSVOA_X
 ClientSampleId :

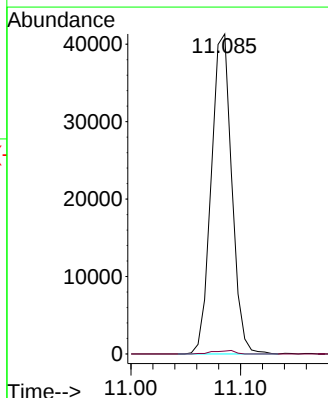
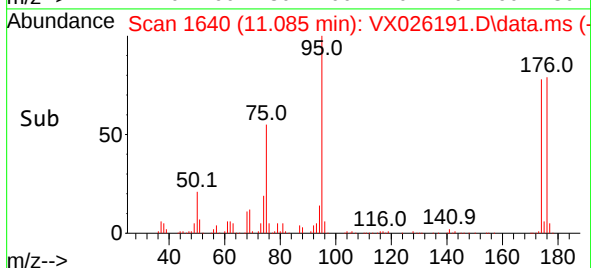
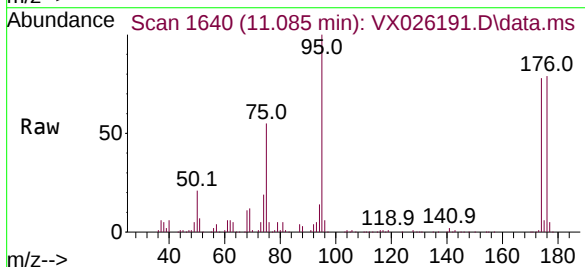


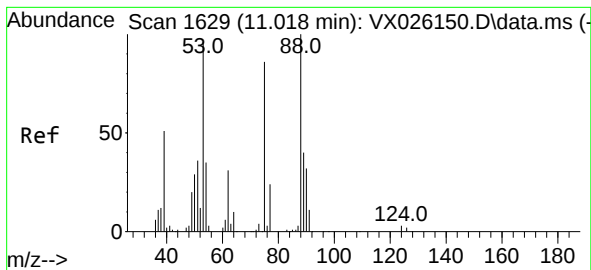
Tgt Ion:152 Resp: 88281
 Ion Ratio Lower Upper
 152 100
 115 61.3 41.3 123.9
 150 157.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.232 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX026191.D
 Acq: 31 Dec 2021 00:55

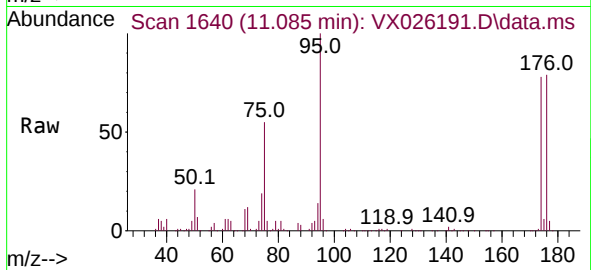
Tgt Ion: 75 Resp: 53766
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.996 ug/l
 RT: 11.085 min Scan# 11
 Delta R.T. 0.067 min
 Lab File: VX026191.D
 Acq: 31 Dec 2021 00:55

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 53766
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

