

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026197.D
 Acq On : 31 Dec 2021 03:14
 Operator : JC/MD
 Sample : M5241-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2D

Quant Time: Dec 31 21:34:57 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	5.556	168	137429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237171	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	213182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89034	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	106677	53.655	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.320%	
35) Dibromofluoromethane	5.391	113	82680	53.621	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.240%	
50) Toluene-d8	8.653	98	286316	49.921	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.840%	
62) 4-Bromofluorobenzene	11.085	95	95974	47.006	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.020%	

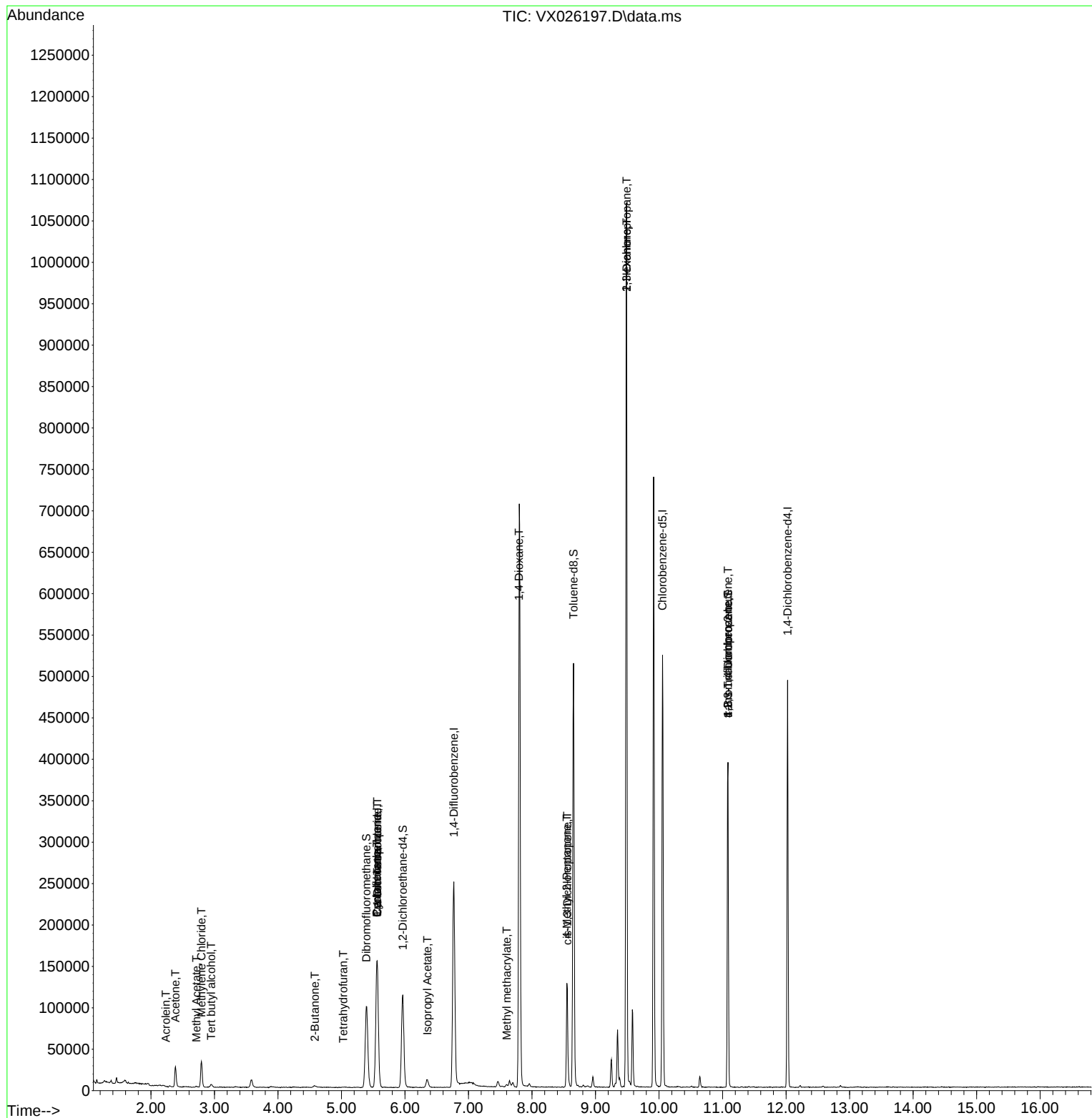
Target Compounds				Qvalue		
11) Tert butyl alcohol	2.947	59	2207	5.558	ug/l #	73
13) Acrolein	2.233	56	65	0.458	ug/l #	54
16) Acetone	2.386	43	27790	25.798	ug/l	96
18) Methyl Acetate	2.715	43	1620	0.464	ug/l #	76
20) Methylene Chloride	2.794	84	12847	6.639	ug/l	86
25) 2-Butanone	4.580	43	3375	2.249	ug/l	93
29) Tetrahydrofuran	5.026	42	227	0.240	ug/l #	49
31) Cyclohexane	5.556	56	3487	1.232	ug/l #	42
36) 1,1-Dichloropropene	5.562	75	11982	4.818	ug/l #	49
38) Carbon Tetrachloride	5.562	117	14856	5.370	ug/l #	16
43) Isopropyl Acetate	6.355	43	13602	2.894	ug/l #	95
48) Methyl methacrylate	7.604	41	3589	1.592	ug/l #	12
49) 1,4-Dioxane	7.793	88	19	0.457	ug/l #	26
51) 4-Methyl-2-Pentanone	8.549	43	46464	15.887	ug/l #	50
54) cis-1,3-Dichloropropene	8.555	75	18346	6.336	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	8697	2.827	ug/l #	42
59) 2-Hexanone	9.488	43	134155	60.556	ug/l #	49
76) 1,2,3-Trichloropropane	11.085	75	53495	24.892	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	53495	72.014	ug/l #	10

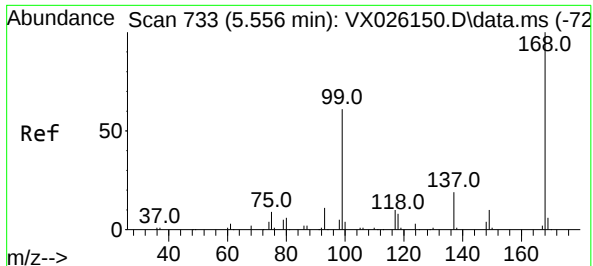
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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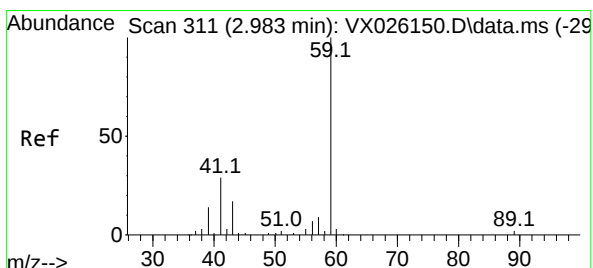
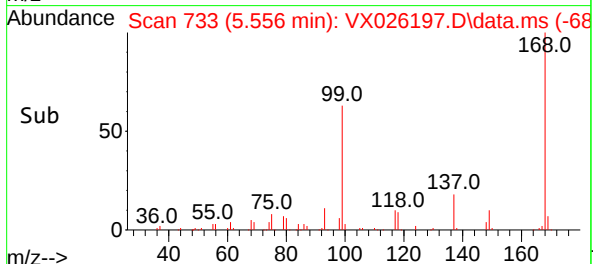
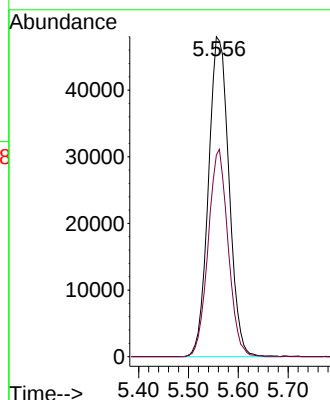
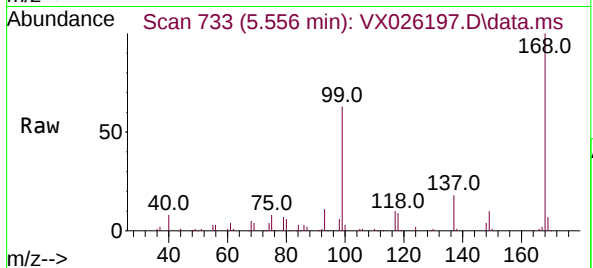




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

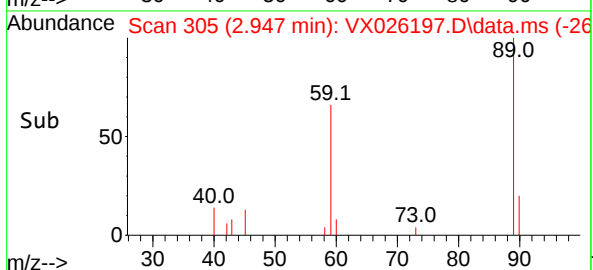
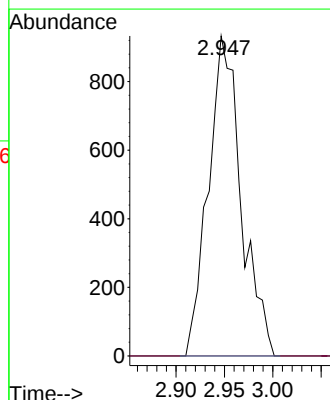
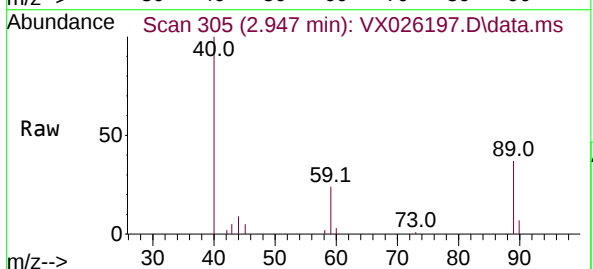
Instrument :
MSVOA_X
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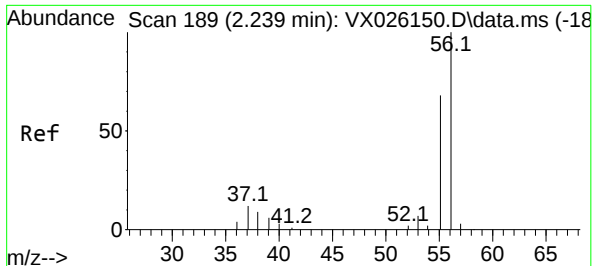
Tgt Ion:168 Resp: 137429
Ion Ratio Lower Upper
168 100
99 63.0 45.8 68.8



#11
Tert butyl alcohol
Concen: 5.558 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 59 Resp: 2207
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.458 ug/l

RT: 2.233 min Scan# 189

Delta R.T. -0.006 min

Lab File: VX026197.D

Acq: 31 Dec 2021 03:14

Instrument :

MSVOA_X

ClientSampleId :

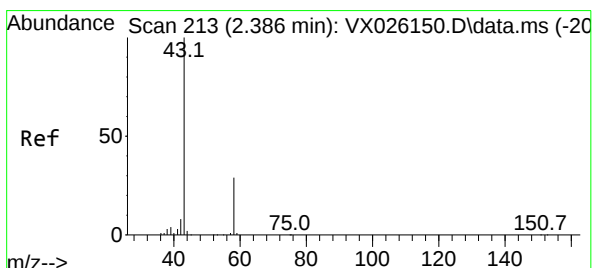
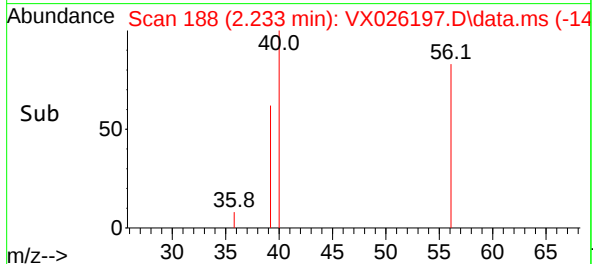
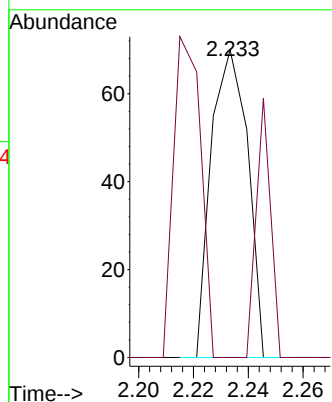
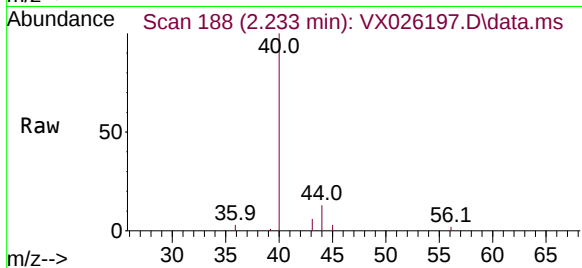
TP-2D

Tgt Ion: 56 Resp: 65

Ion Ratio Lower Upper

56 100

55 33.8 57.4 86.2#



#16

Acetone

Concen: 25.798 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX026197.D

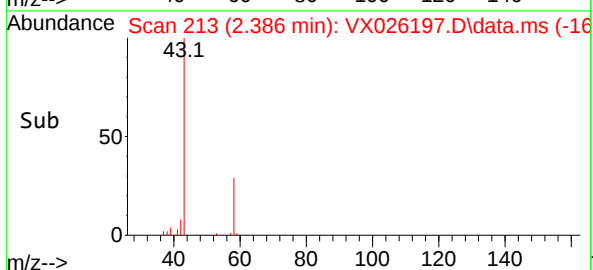
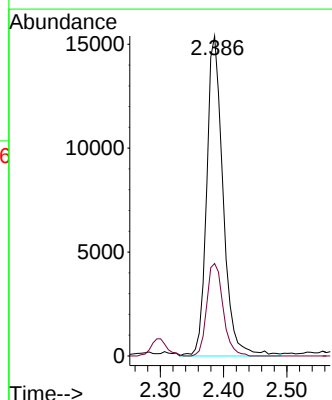
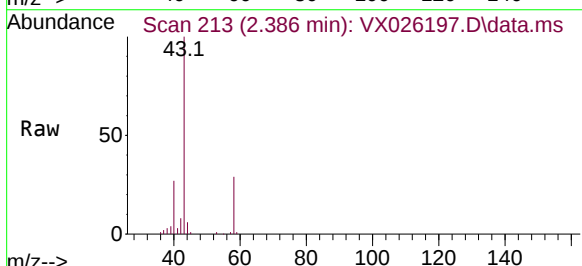
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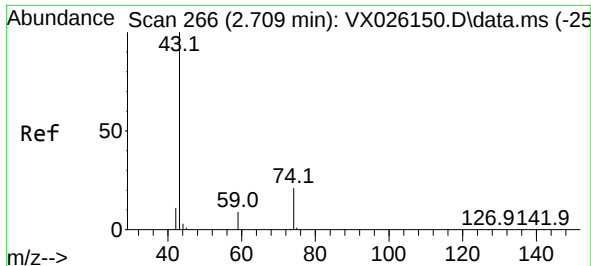
Tgt Ion: 43 Resp: 27790

Ion Ratio Lower Upper

43 100

58 28.9 24.8 37.2

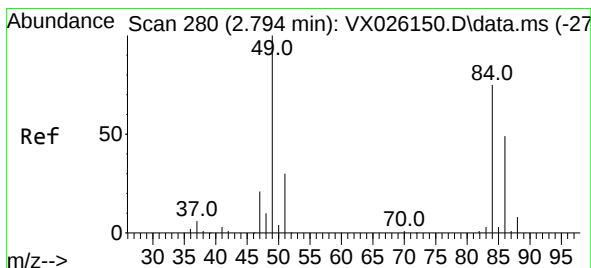
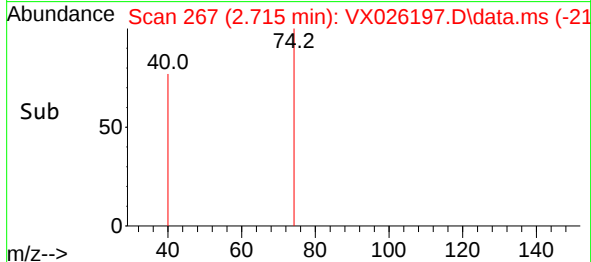
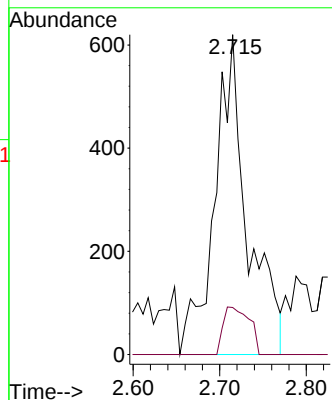
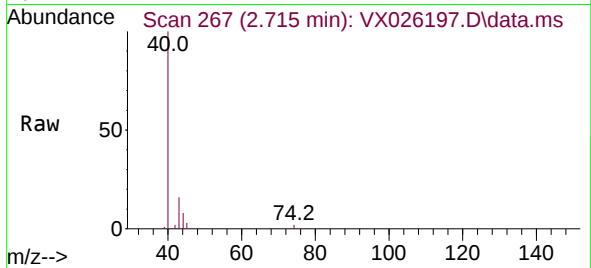




#18
Methyl Acetate
Concen: 0.464 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

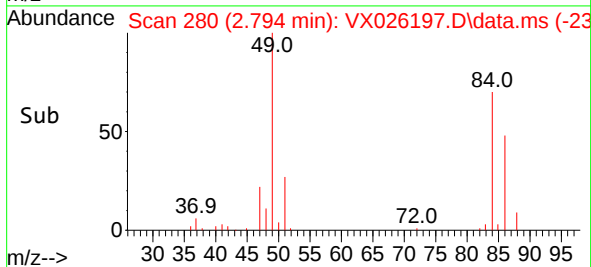
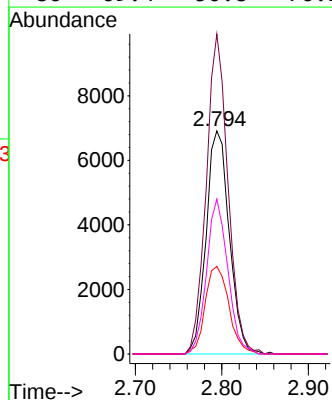
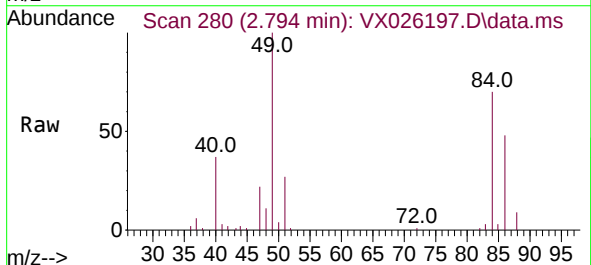
Instrument :
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TP-2D

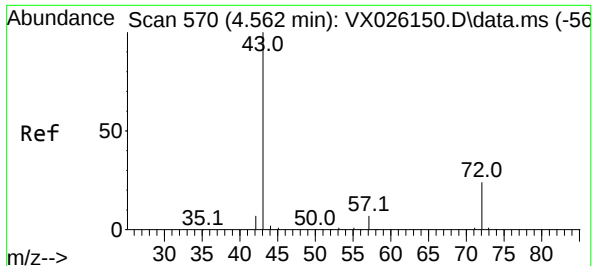
Tgt Ion: 43 Resp: 1620
Ion Ratio Lower Upper
43 100
74 11.9 19.1 28.7#



#20
Methylene Chloride
Concen: 6.639 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 84 Resp: 12847
Ion Ratio Lower Upper
84 100
49 143.4 97.1 145.7
51 39.2 29.3 43.9
86 69.4 50.8 76.2

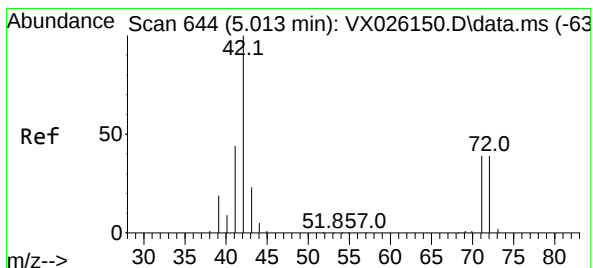
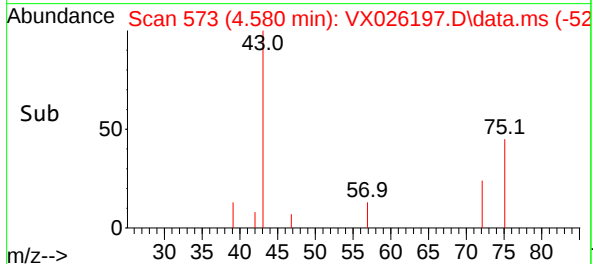
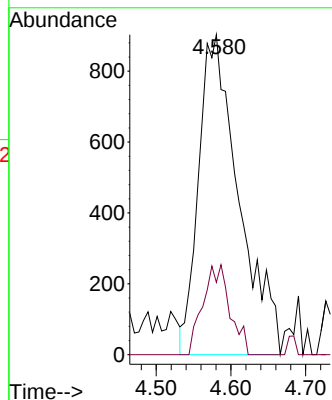
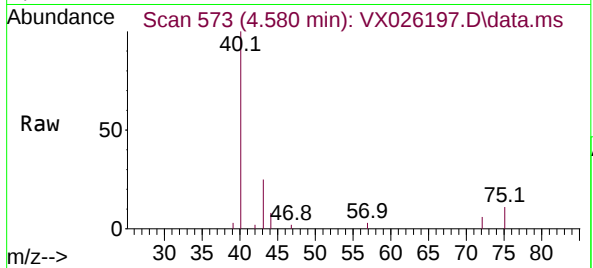




#25
2-Butanone
Concen: 2.249 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

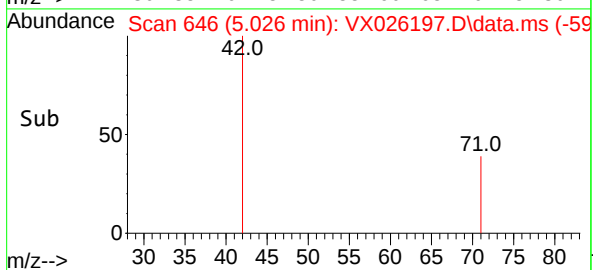
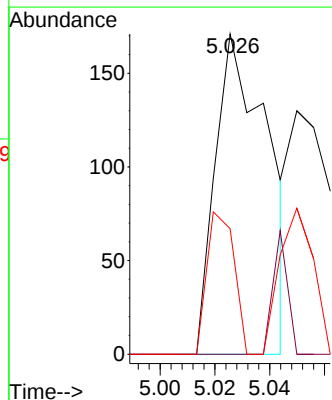
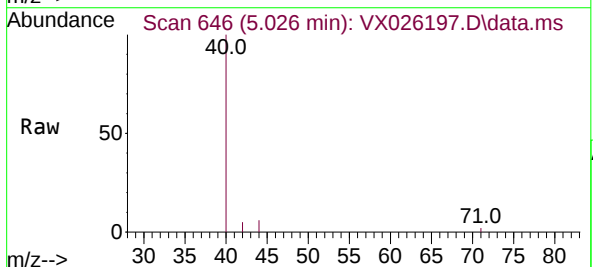
Instrument :
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ClientSampleId :
TP-2D

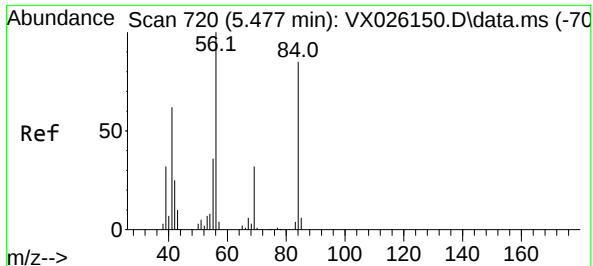
Tgt Ion: 43 Resp: 3375
Ion Ratio Lower Upper
43 100
72 22.6 21.0 31.4



#29
Tetrahydrofuran
Concen: 0.240 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 42 Resp: 227
Ion Ratio Lower Upper
42 100
72 0.0 37.0 55.6#
71 22.9 34.1 51.1#

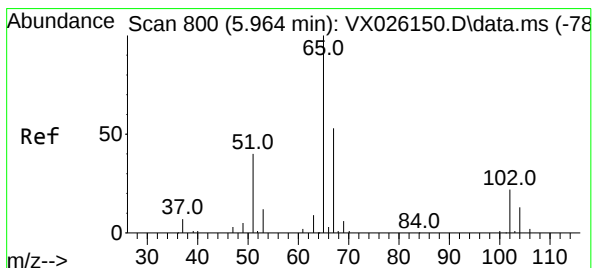
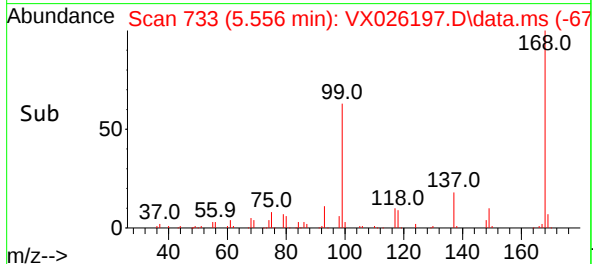
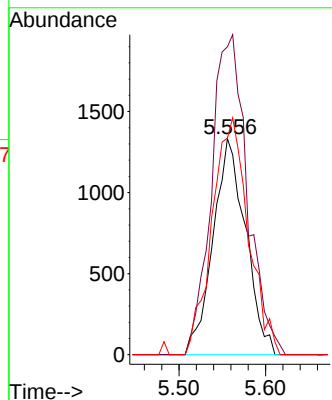
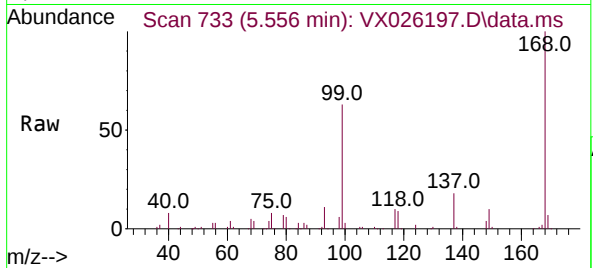




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

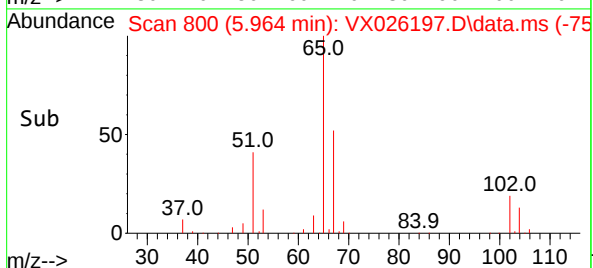
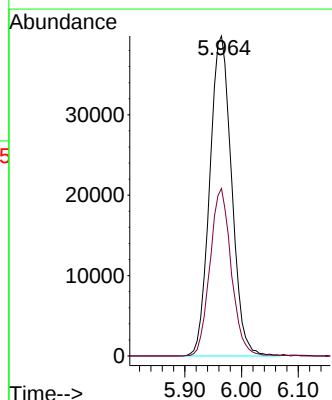
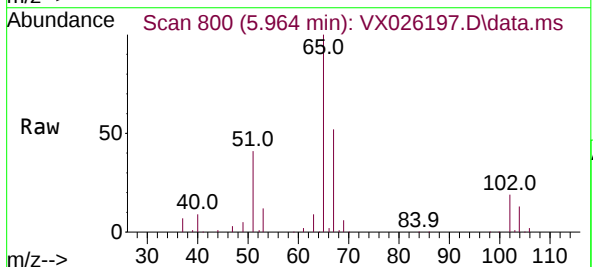
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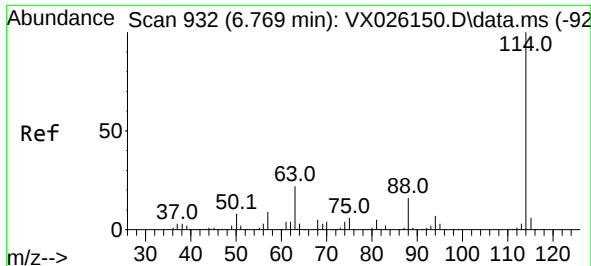
Tgt Ion: 56 Resp: 3487
Ion Ratio Lower Upper
56 100
69 142.4 23.9 35.9#
84 100.1 73.2 109.8



#33
1,2-Dichloroethane-d4
Concen: 53.655 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 65 Resp: 106677
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4

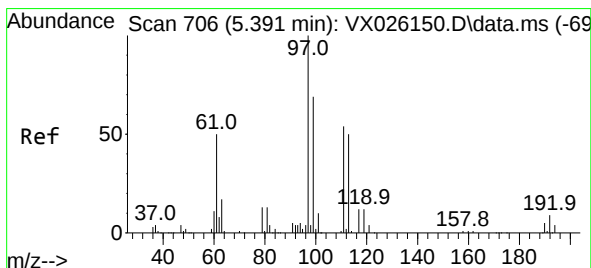
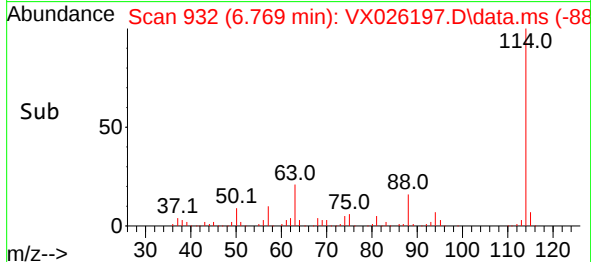
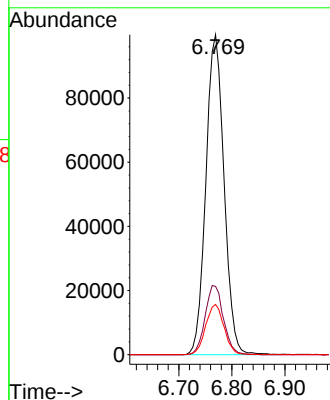
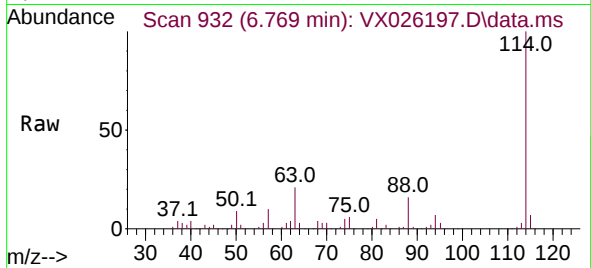




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

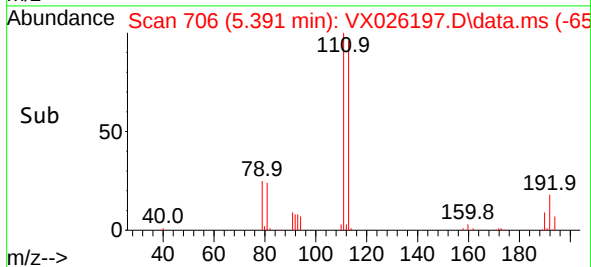
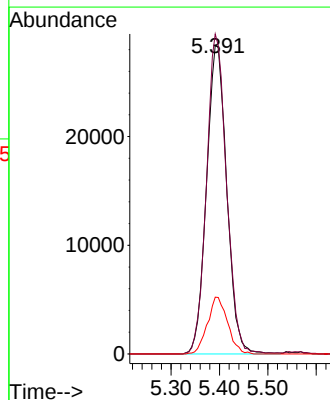
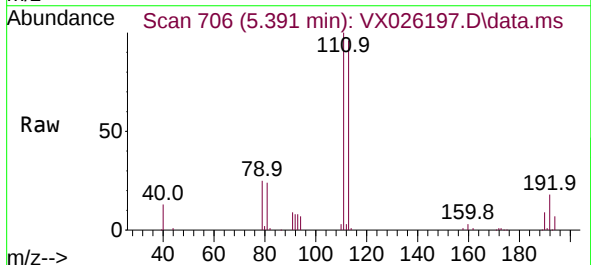
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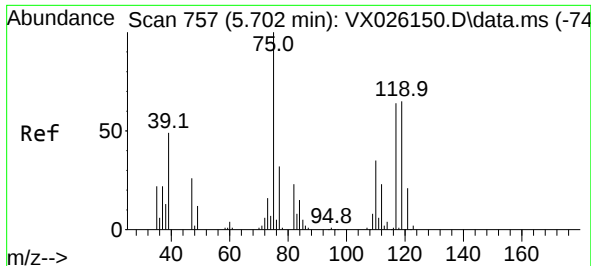
Tgt Ion:114 Resp: 237171
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.0
88 15.7 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.621 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion:113 Resp: 82680
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 18.3 15.0 22.4

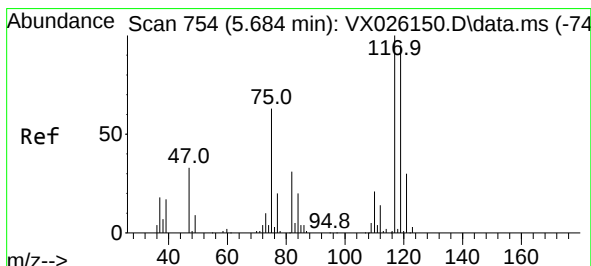
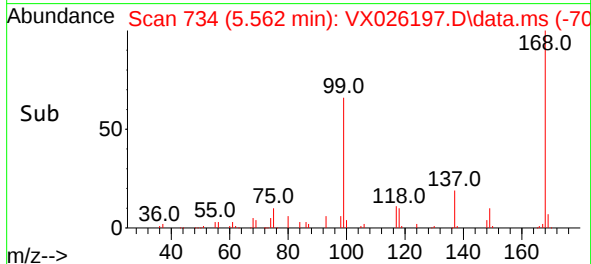
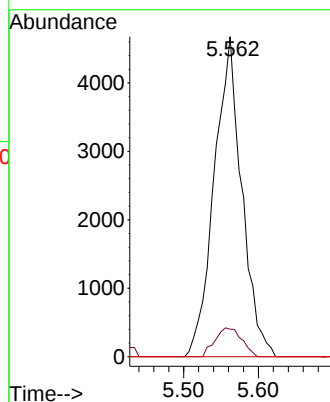
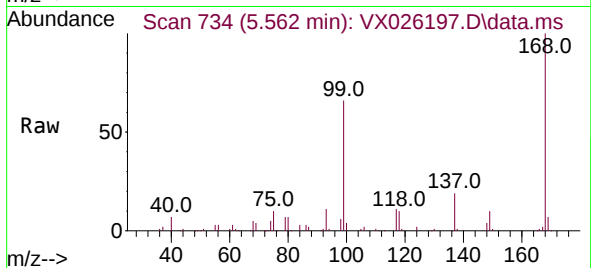




#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

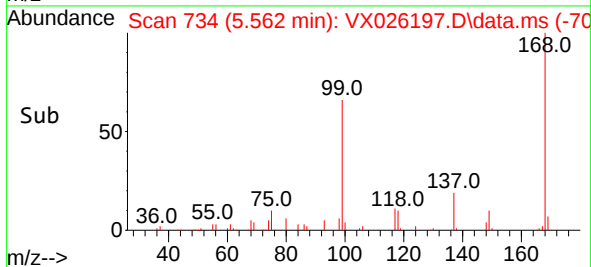
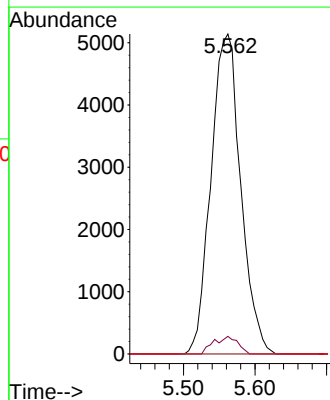
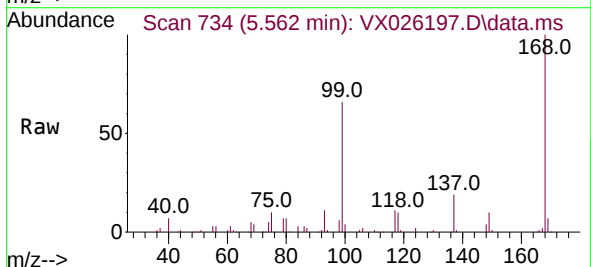
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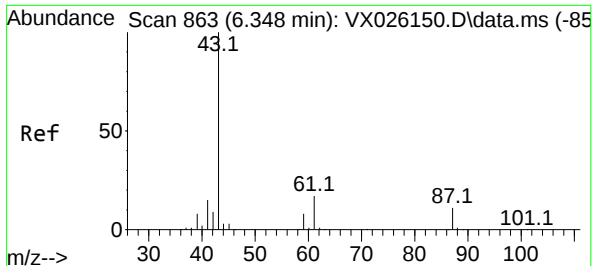
Tgt Ion: 75 Resp: 11982
Ion Ratio Lower Upper
75 100
110 8.7 18.2 54.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.370 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 117 Resp: 14856
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 23.8 35.8#

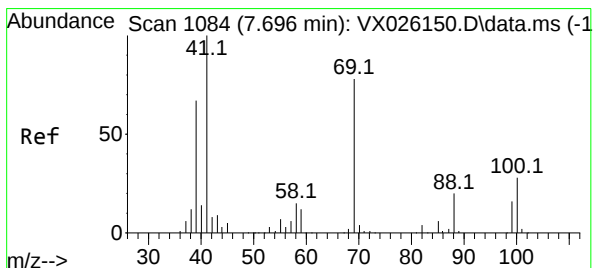
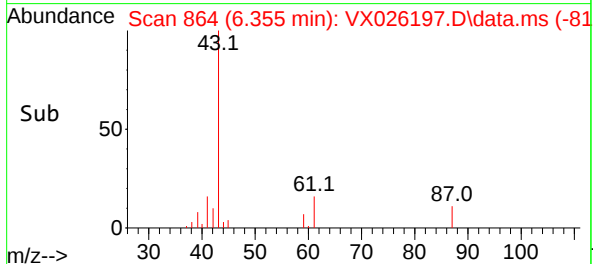
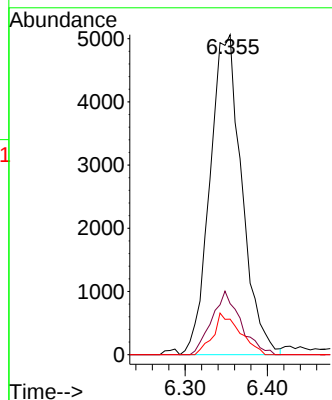
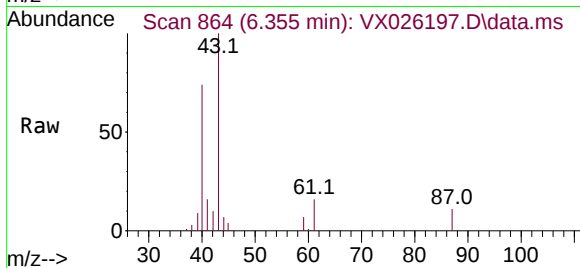




#43
Isopropyl Acetate
Concen: 2.894 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

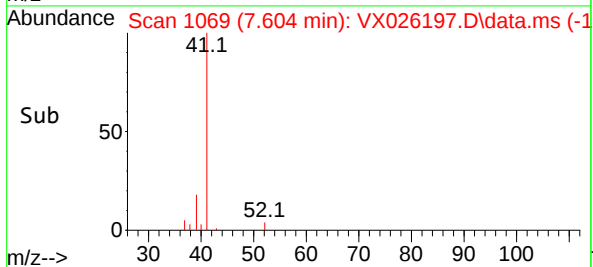
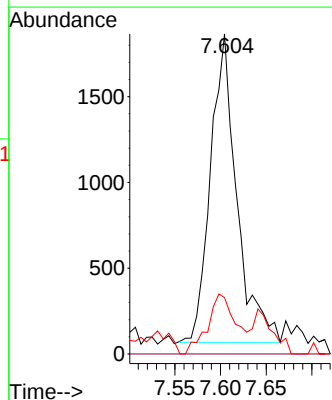
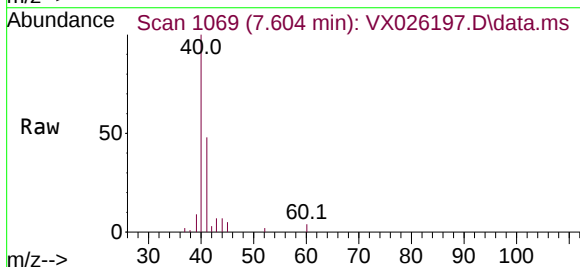
Instrument :
MSVOA_X
ClientSampleId :
TP-2D

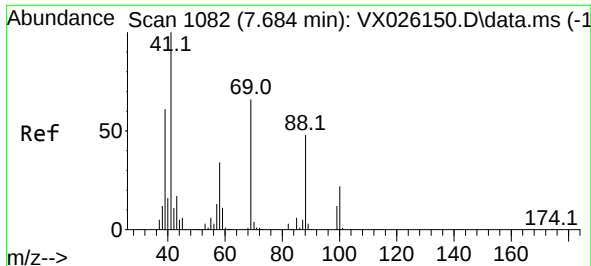
Tgt Ion: 43 Resp: 13602
Ion Ratio Lower Upper
43 100
61 18.1 15.7 23.5
87 10.9 11.2 16.8#



#48
Methyl methacrylate
Concen: 1.592 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 41 Resp: 3589
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: 0.457 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.109 min

Lab File: VX026197.D

Acq: 31 Dec 2021 03:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2D

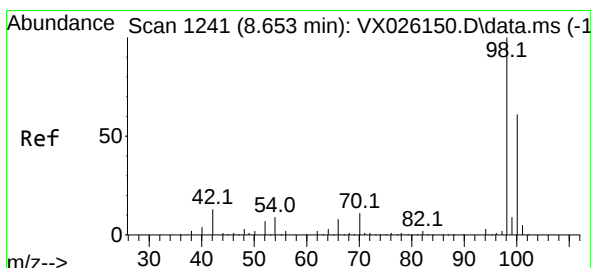
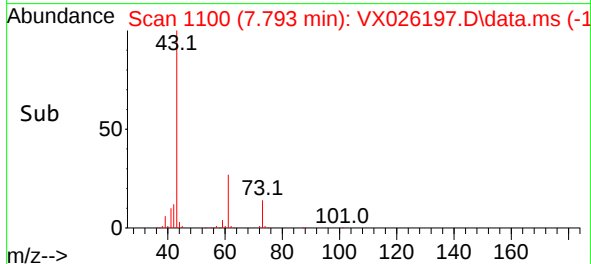
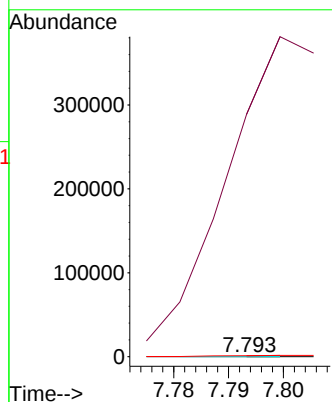
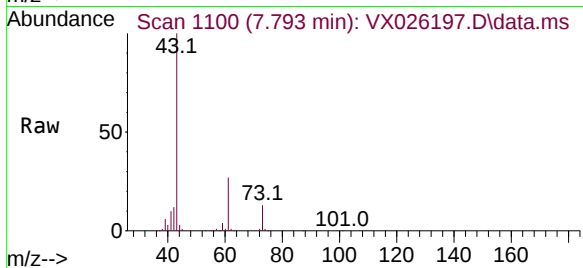
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 25.3 37.9#

58 0.0 51.8 77.6#



#50

Toluene-d8

Concen: 49.921 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX026197.D

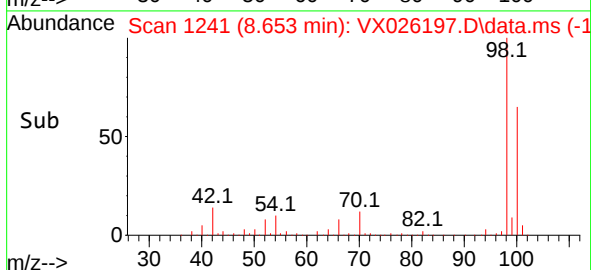
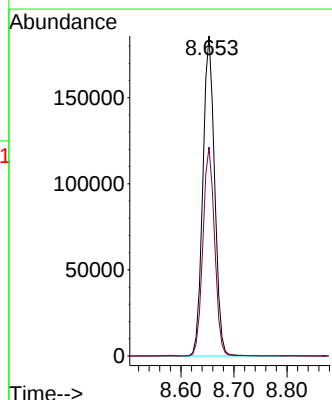
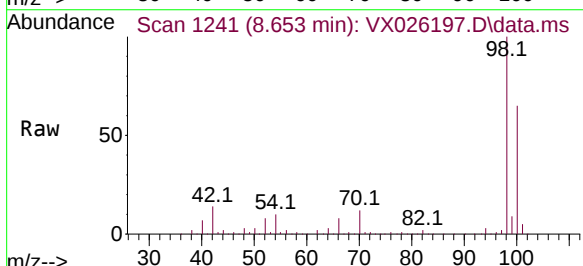
Acq: 31 Dec 2021 03:14

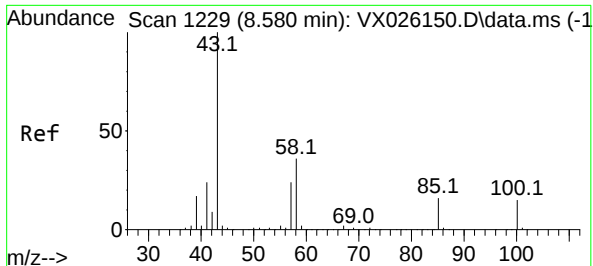
Tgt Ion: 98 Resp: 286316

Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 15.887 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX026197.D

Acq: 31 Dec 2021 03:14

Instrument :

MSVOA_X

ClientSampleId :

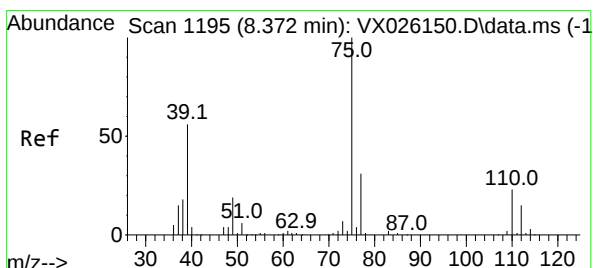
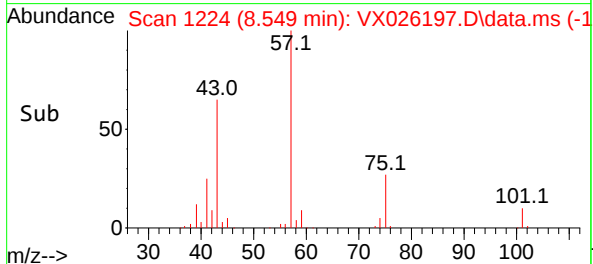
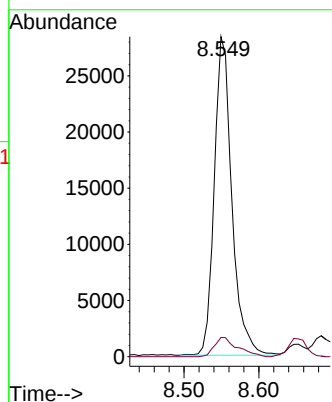
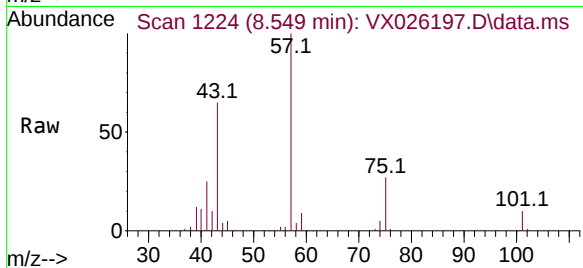
TP-2D

Tgt Ion: 43 Resp: 46464

Ion Ratio Lower Upper

43 100

58 7.9 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 6.336 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX026197.D

Acq: 31 Dec 2021 03:14

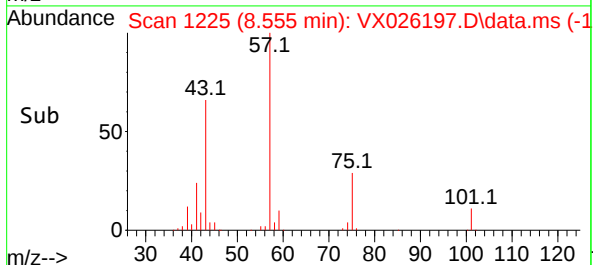
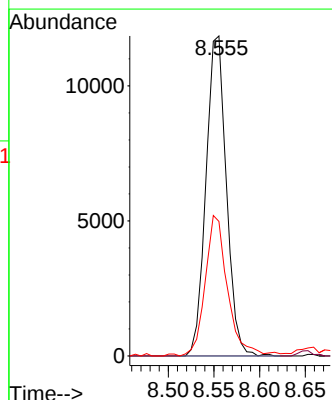
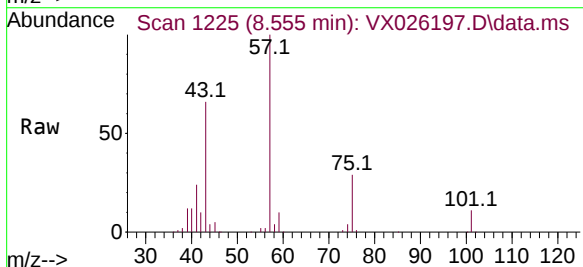
Tgt Ion: 75 Resp: 18346

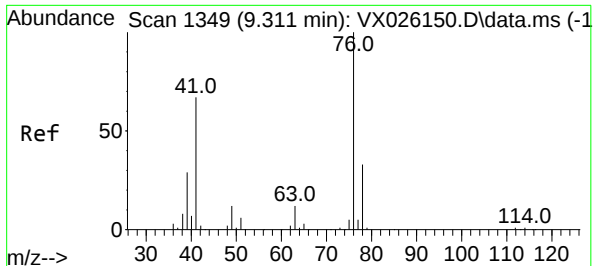
Ion Ratio Lower Upper

75 100

77 0.0 25.3 37.9#

39 42.0 41.4 62.0





#57

1,3-Dichloropropane

Concen: 2.827 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026197.D

Acq: 31 Dec 2021 03:14

Instrument :

MSVOA_X

ClientSampleId :

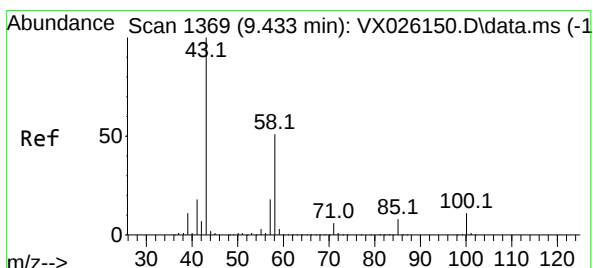
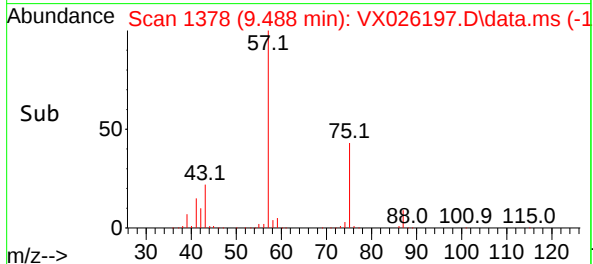
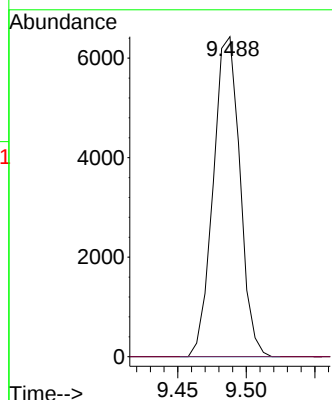
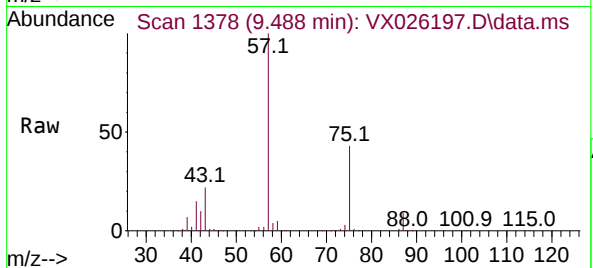
TP-2D

Tgt Ion: 76 Resp: 8697

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 60.556 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026197.D

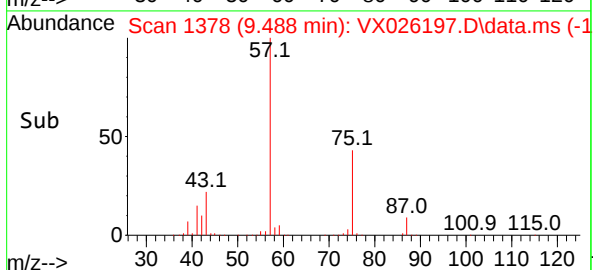
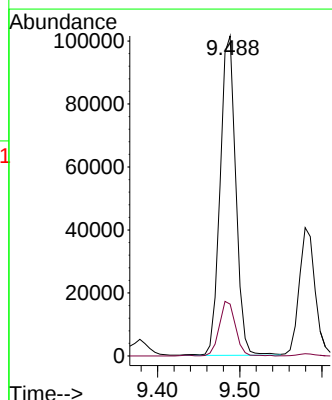
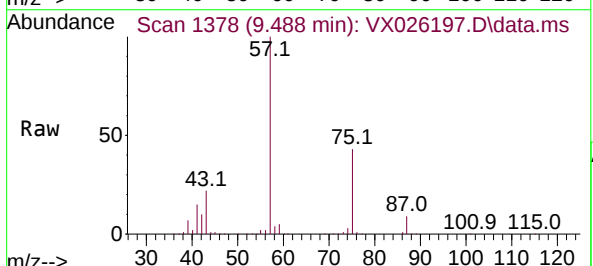
Acq: 31 Dec 2021 03:14

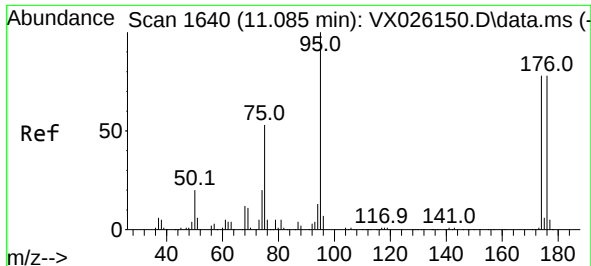
Tgt Ion: 43 Resp: 134155

Ion Ratio Lower Upper

43 100

58 17.5 26.9 80.6#

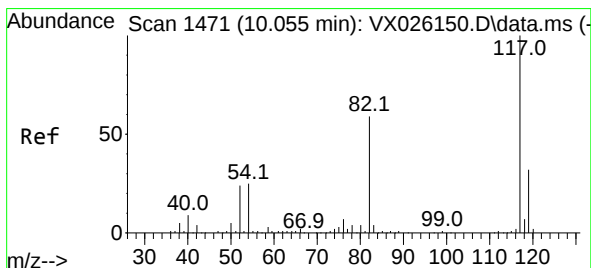
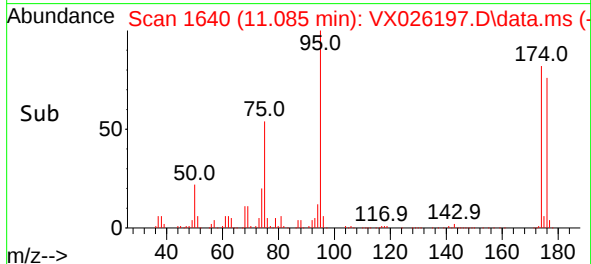
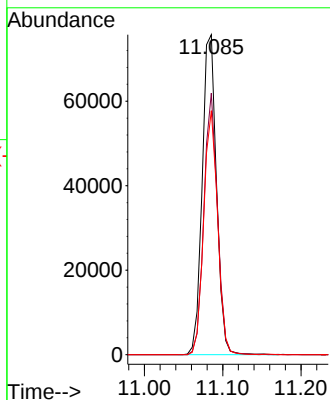
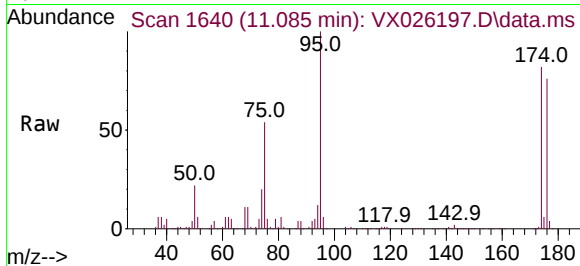




#62
4-Bromofluorobenzene
Concen: 47.006 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

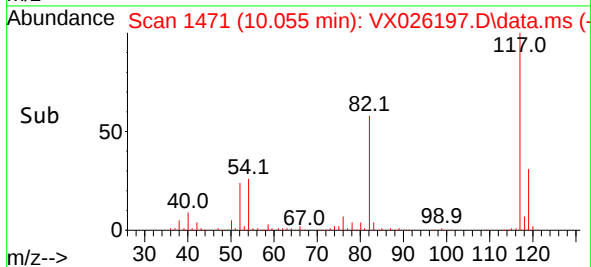
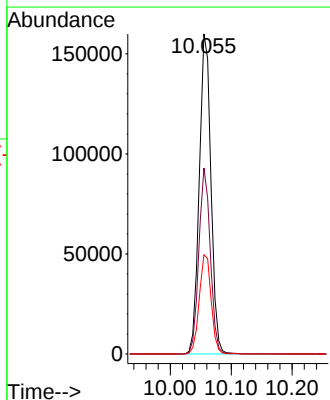
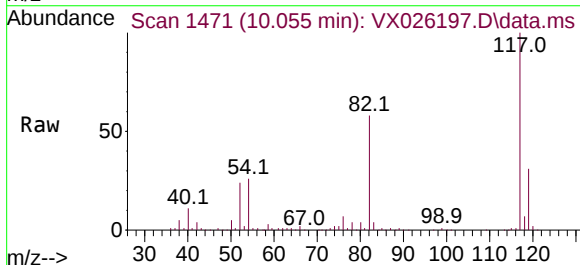
Instrument :
MSVOA_X
ClientSampleId :
TP-2D

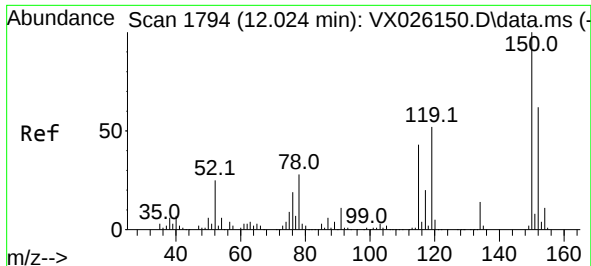
Tgt Ion: 95 Resp: 95974
Ion Ratio Lower Upper
95 100
174 77.4 0.0 157.4
176 74.3 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026197.D
Acq: 31 Dec 2021 03:14

Tgt Ion: 117 Resp: 213182
Ion Ratio Lower Upper
117 100
82 58.1 43.8 65.6
119 31.0 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: VX026197.D

Acq: 31 Dec 2021 03:14

Instrument :

MSVOA_X

ClientSampleId :

TP-2D

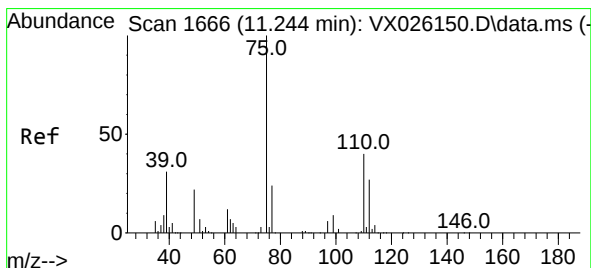
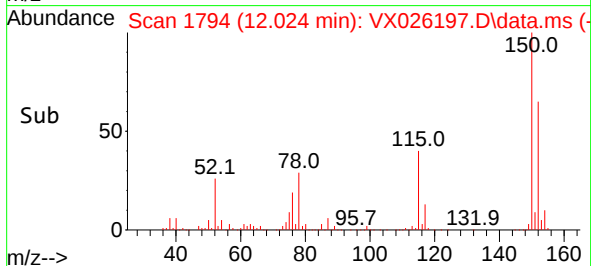
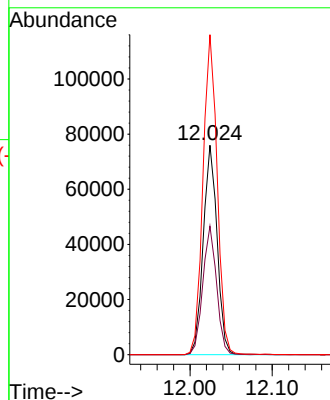
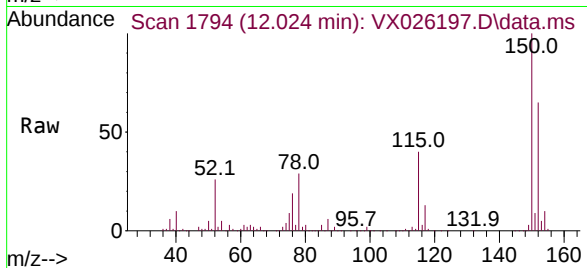
Tgt Ion:152 Resp: 89034

Ion Ratio Lower Upper

152 100

115 60.9 41.3 123.9

150 156.0 0.0 351.8



#76

1,2,3-Trichloropropane

Concen: 24.892 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. -0.159 min

Lab File: VX026197.D

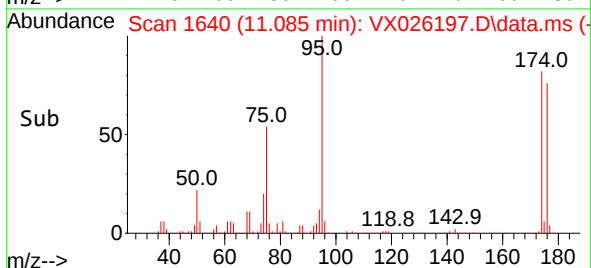
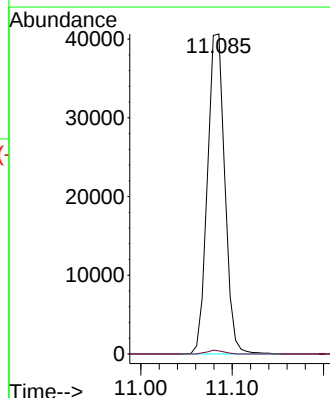
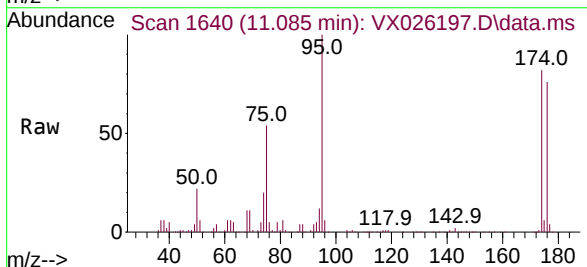
Acq: 31 Dec 2021 03:14

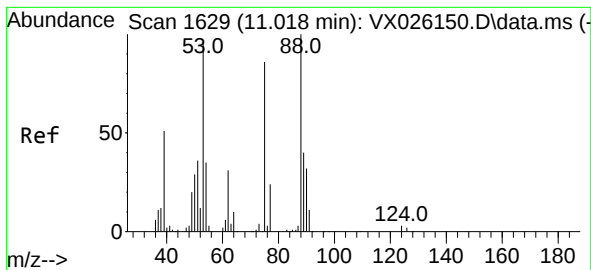
Tgt Ion: 75 Resp: 53495

Ion Ratio Lower Upper

75 100

77 1.1 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.014 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX026197.D
 Acq: 31 Dec 2021 03:14

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2D

Tgt Ion: 75 Resp: 53495
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.1 38.3 57.5#

