

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041523\
 Data File : VX035089.D
 Acq On : 14 Apr 2023 17:30
 Operator : JC/MD
 Sample : 02345-02 10X
 Misc : 1.62g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1611

Quant Time: Apr 17 08:57:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

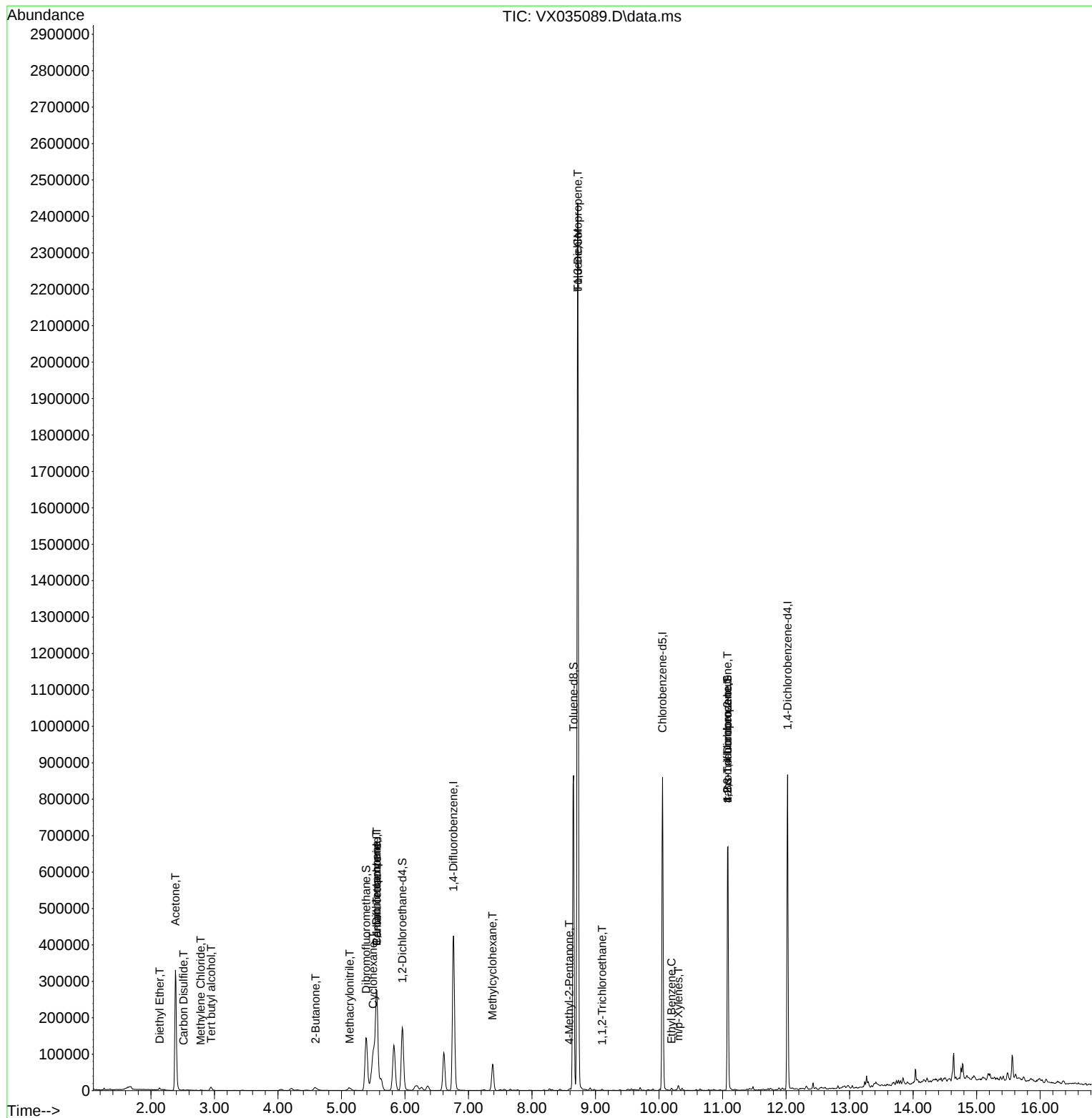
Internal Standards						
1) Pentafluorobenzene	5.556	168	260855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	433960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	388373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	165517	41.489	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	82.980%		
35) Dibromofluoromethane	5.385	113	129948	45.273	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.540%		
50) Toluene-d8	8.653	98	517770	48.872	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.740%		
62) 4-Bromofluorobenzene	11.079	95	192699	47.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.000%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.136	74	1345	0.736	ug/l #	1
11) Tert butyl alcohol	2.946	59	6141	8.773	ug/l #	73
16) Acetone	2.386	43	372323	229.740	ug/l	99
17) Carbon Disulfide	2.514	76	1366	0.204	ug/l #	87
20) Methylene Chloride	2.782	84	671	0.210	ug/l #	76
25) 2-Butanone	4.593	43	1658	0.703	ug/l #	77
31) Cyclohexane	5.495	56	50614	10.419	ug/l #	68
36) 1,1-Dichloropropene	5.550	75	21056	4.952	ug/l #	51
38) Carbon Tetrachloride	5.556	117	27041	6.745	ug/l #	15
39) Methylcyclohexane	7.379	83	32503	7.198	ug/l	97
41) Methacrylonitrile	5.129	41	2253	0.932	ug/l #	49
51) 4-Methyl-2-Pentanone	8.586	43	1656	0.376	ug/l	89
52) Toluene	8.720	92	901731	113.294	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	10451	2.403	ug/l #	1
55) 1,1,2-Trichloroethane	9.104	97	1005	0.334	ug/l #	15
67) Ethyl Benzene	10.195	91	3602	0.246	ug/l	96
68) m/p-Xylenes	10.305	106	2859	0.511	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	98557	27.582	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	98557	82.662	ug/l #	8

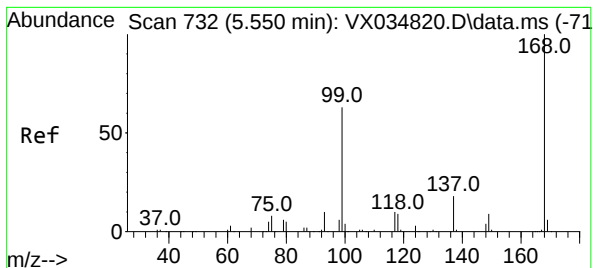
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Apr 01 01:50:18 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

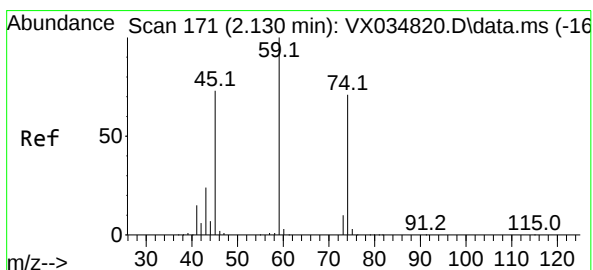
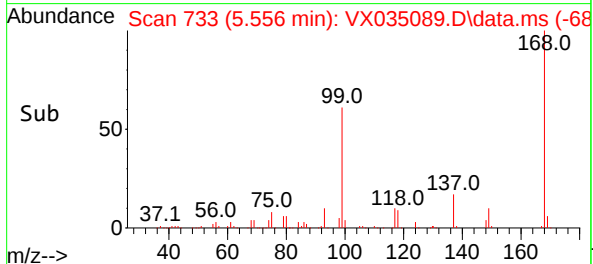
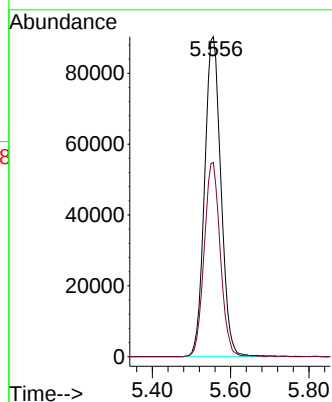
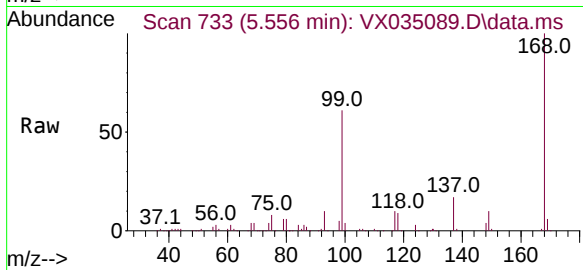
1611

Tgt Ion:168 Resp: 260855

Ion Ratio Lower Upper

168 100

99 60.7 45.7 68.5



#8

Diethyl Ether

Concen: 0.736 ug/l

RT: 2.136 min Scan# 172

Delta R.T. 0.006 min

Lab File: VX035089.D

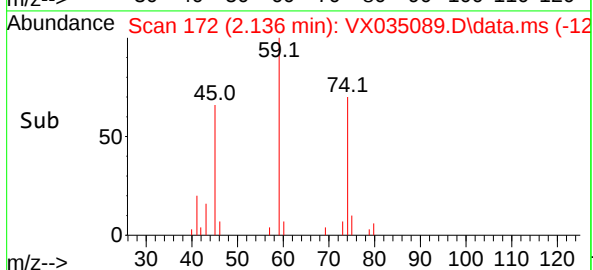
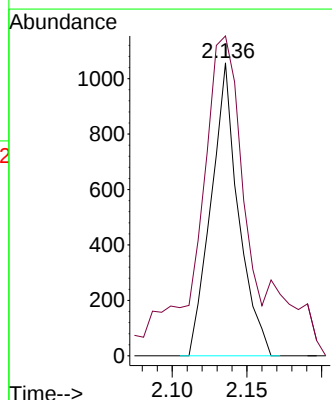
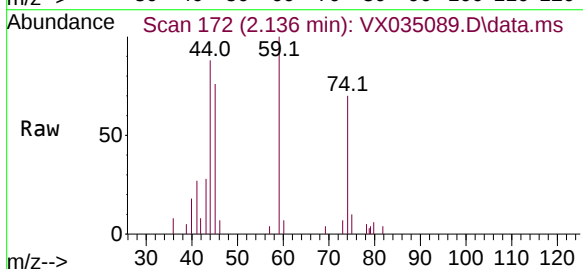
Acq: 14 Apr 2023 17:30

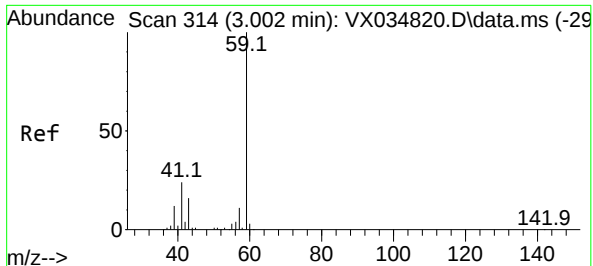
Tgt Ion: 74 Resp: 1345

Ion Ratio Lower Upper

74 100

45 211.4 49.8 149.3#





#11

Tert butyl alcohol

Concen: 8.773 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.055 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

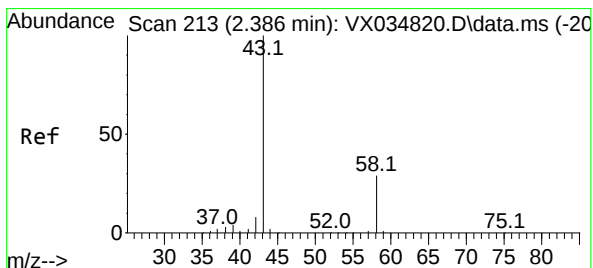
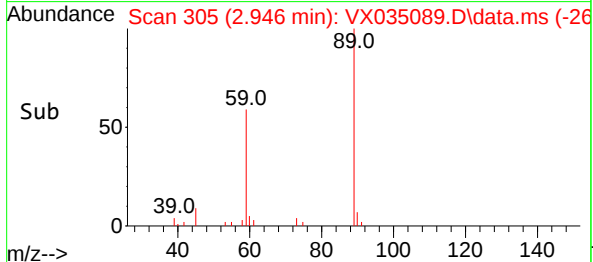
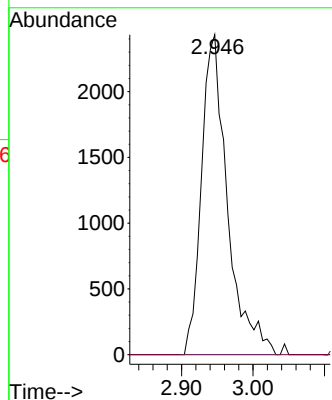
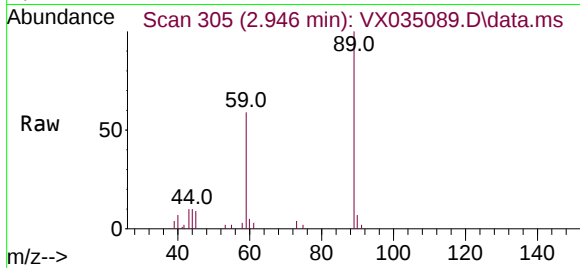
1611

Tgt Ion: 59 Resp: 6141

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 229.740 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX035089.D

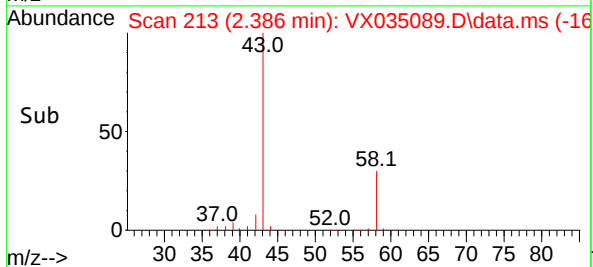
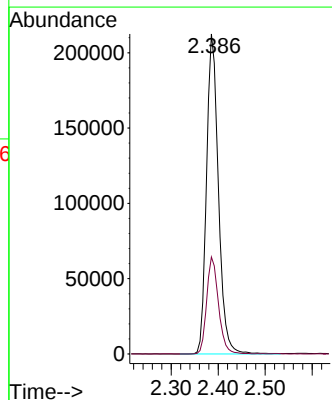
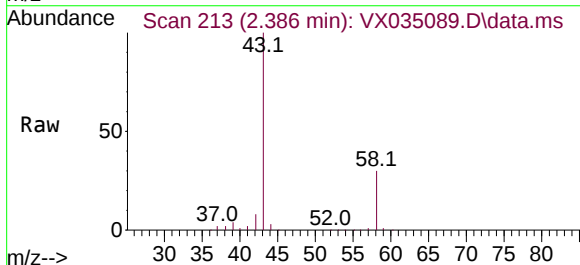
Acq: 14 Apr 2023 17:30

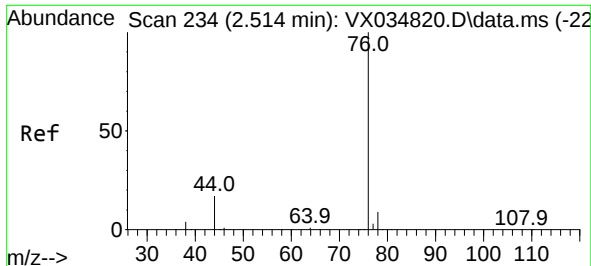
Tgt Ion: 43 Resp: 372323

Ion Ratio Lower Upper

43 100

58 30.3 24.7 37.1





#17

Carbon Disulfide

Concen: 0.204 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

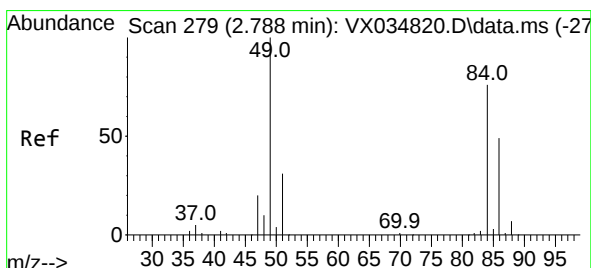
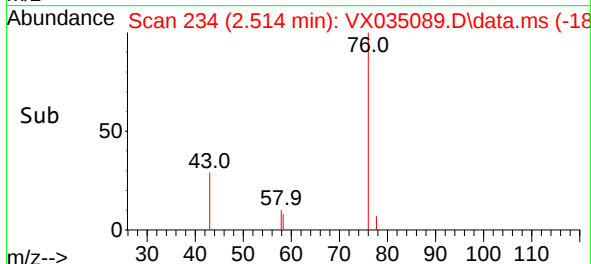
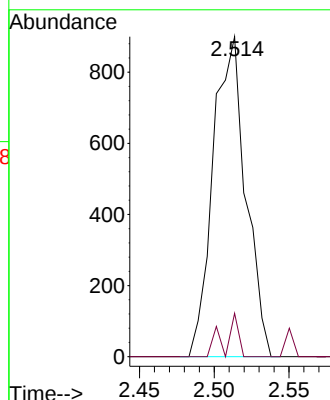
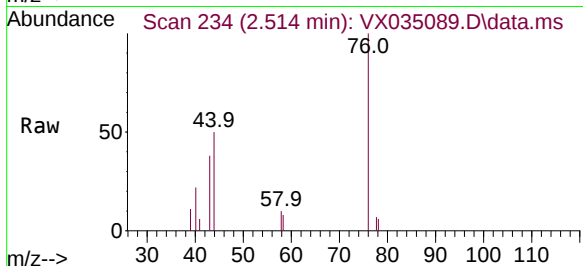
1611

Tgt Ion: 76 Resp: 1366

Ion Ratio Lower Upper

76 100

78 13.6 7.2 10.8#



#20

Methylene Chloride

Concen: 0.210 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Tgt Ion: 84 Resp: 671

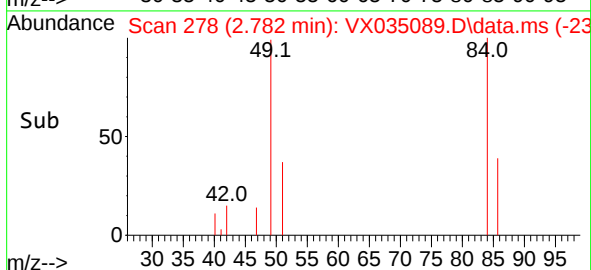
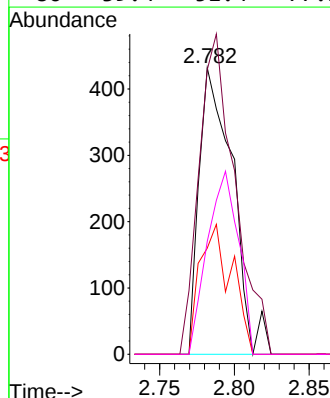
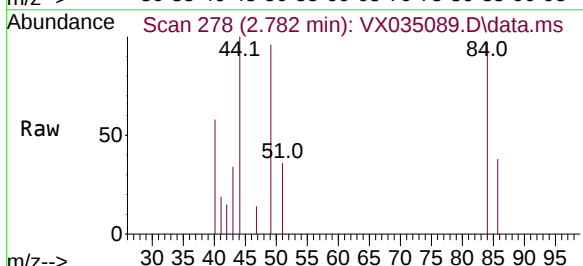
Ion Ratio Lower Upper

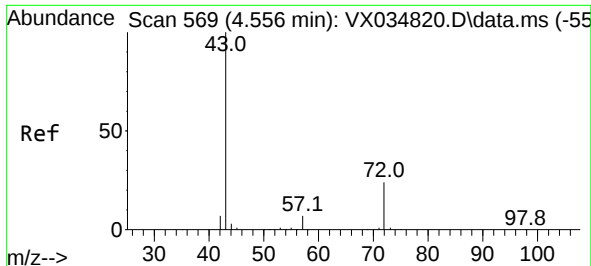
84 100

49 99.3 103.8 155.8#

51 37.0 31.8 47.8

86 39.4 51.4 77.2#

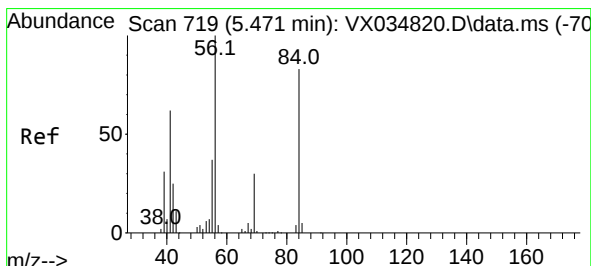
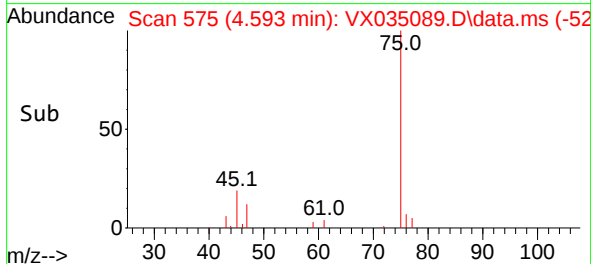
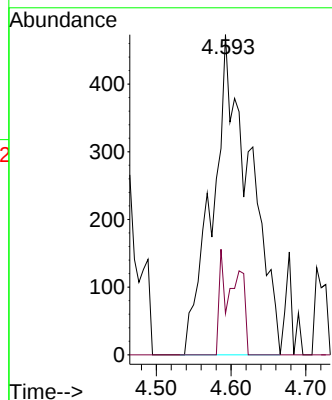
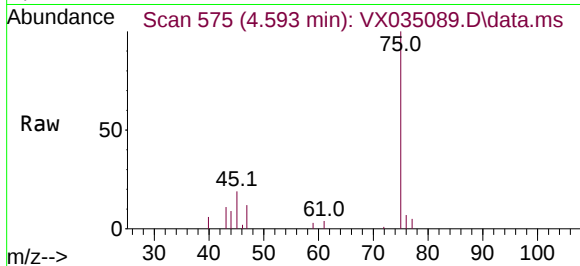




#25
2-Butanone
Concen: 0.703 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.036 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

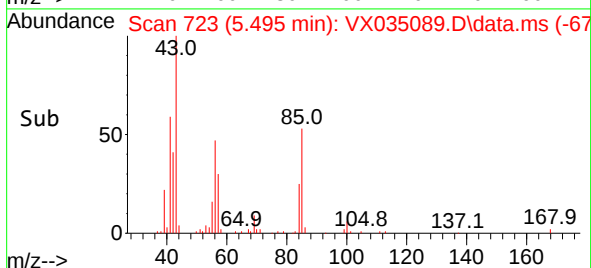
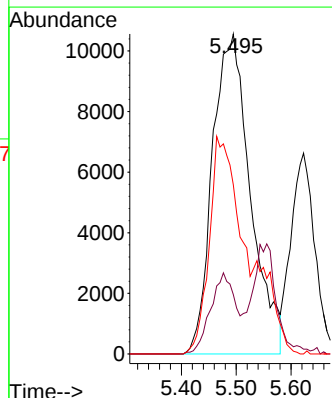
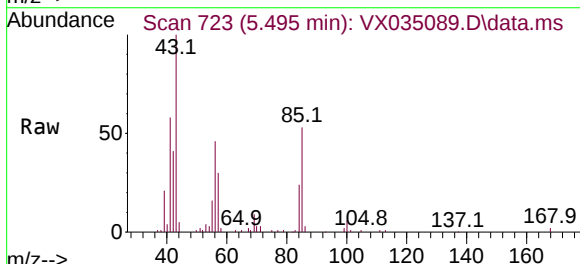
Instrument :
MSVOA_X
ClientSampleId :
1611

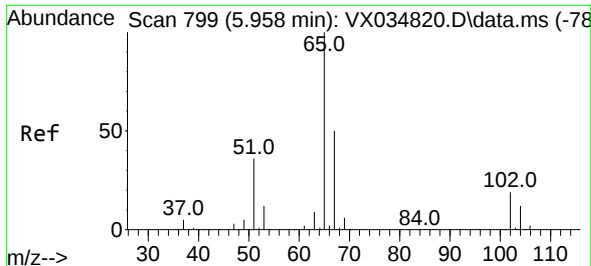
Tgt Ion: 43 Resp: 1658
Ion Ratio Lower Upper
43 100
72 12.9 19.3 28.9#



#31
Cyclohexane
Concen: 10.419 ug/l
RT: 5.495 min Scan# 723
Delta R.T. 0.024 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 56 Resp: 50614
Ion Ratio Lower Upper
56 100
69 18.6 23.7 35.5#
84 52.8 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 41.489 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

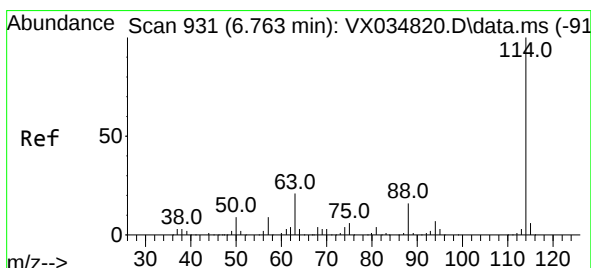
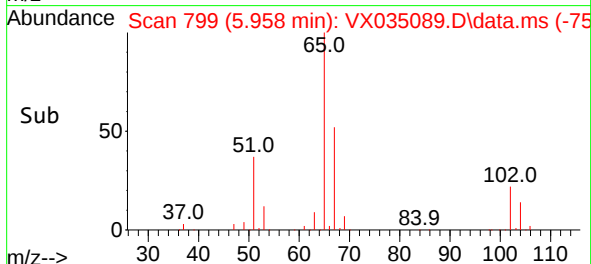
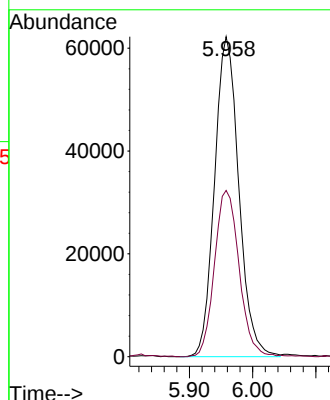
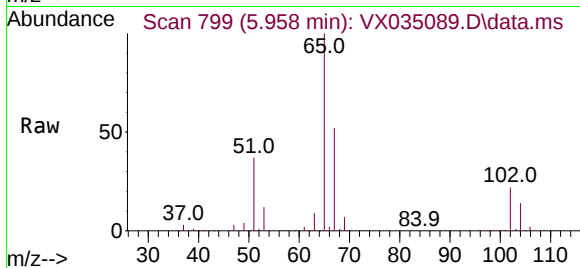
1611

Tgt Ion: 65 Resp: 165517

Ion Ratio Lower Upper

65 100

67 53.0 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

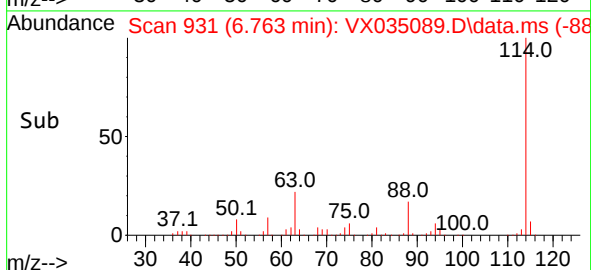
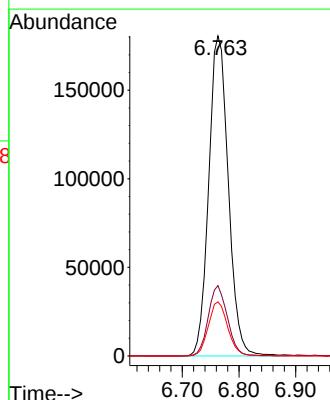
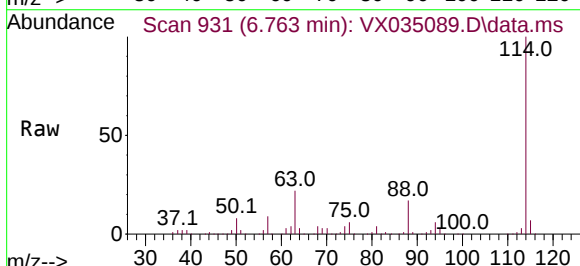
Tgt Ion: 114 Resp: 433960

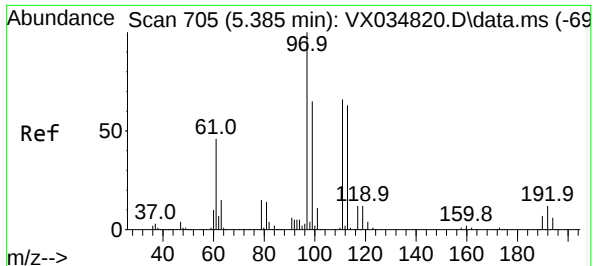
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.2

88 16.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 45.273 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

1611

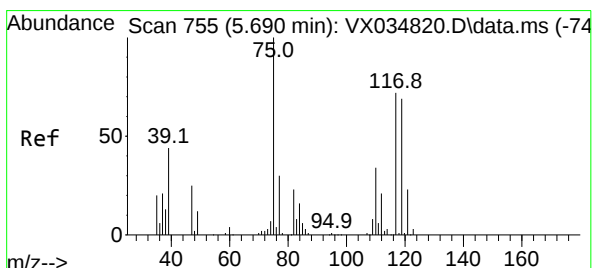
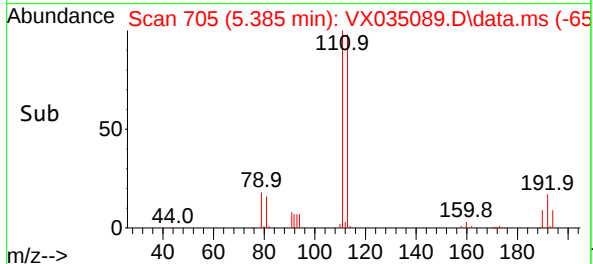
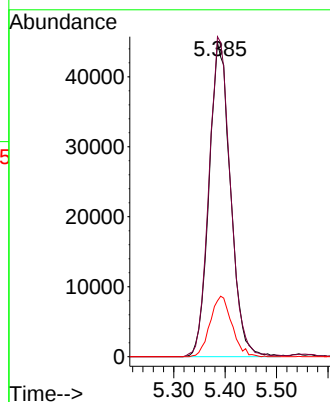
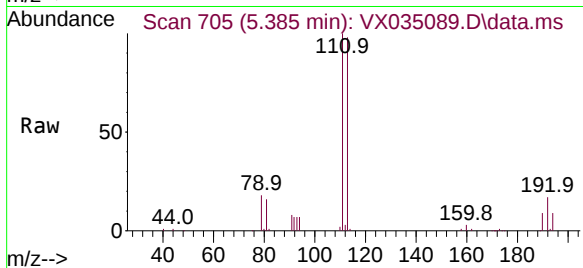
Tgt Ion:113 Resp: 129948

Ion Ratio Lower Upper

113 100

111 101.7 83.7 125.5

192 19.6 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

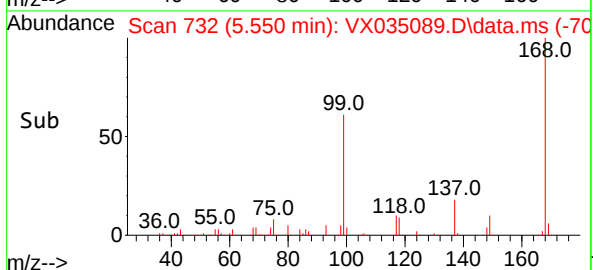
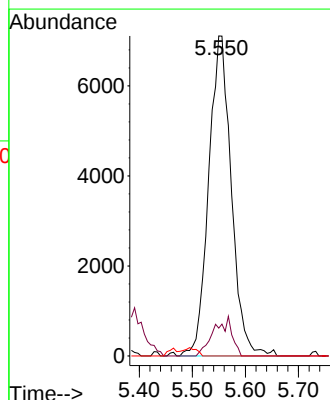
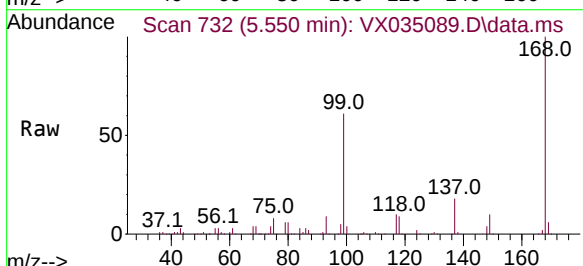
Tgt Ion: 75 Resp: 21056

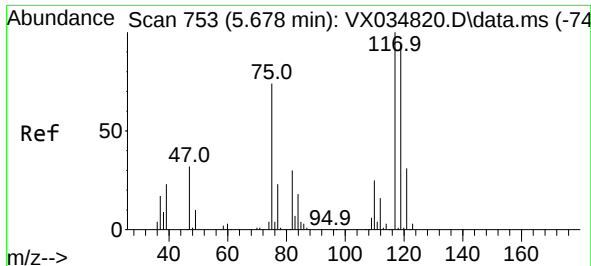
Ion Ratio Lower Upper

75 100

110 10.0 17.5 52.5#

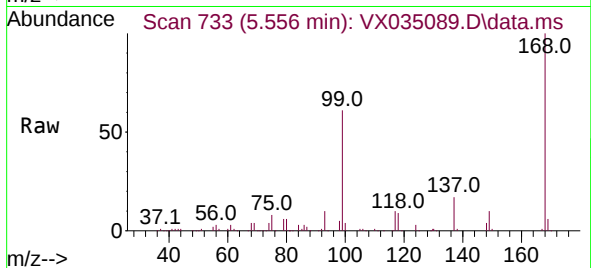
77 0.0 24.3 36.5#



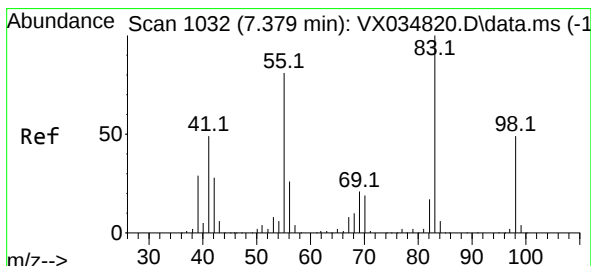
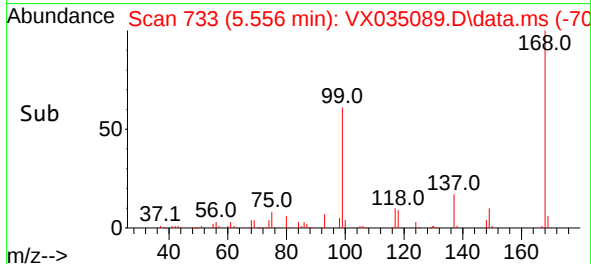
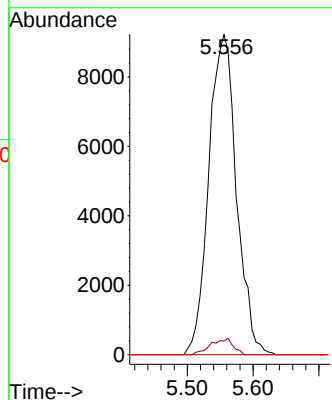


#38
Carbon Tetrachloride
Concen: 6.745 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Instrument :
MSVOA_X
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1611

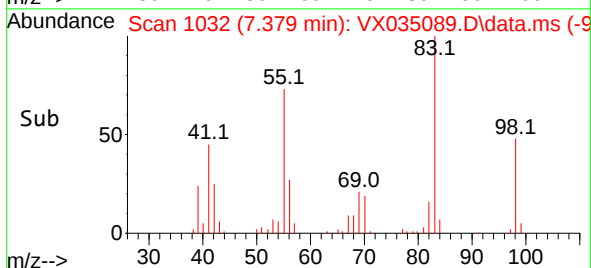
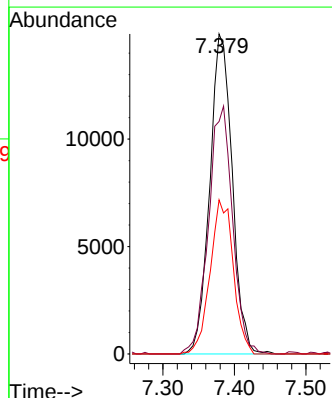
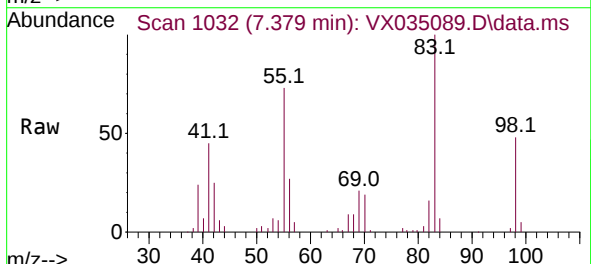


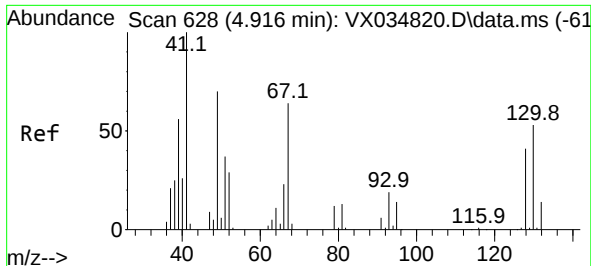
Tgt Ion:117 Resp: 27041
Ion Ratio Lower Upper
117 100
119 4.3 76.6 114.8#
121 0.0 23.8 35.6#



#39
Methylcyclohexane
Concen: 7.198 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 83 Resp: 32503
Ion Ratio Lower Upper
83 100
55 72.6 60.5 90.7
98 48.2 40.4 60.6

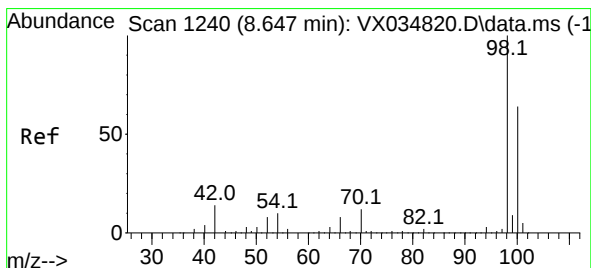
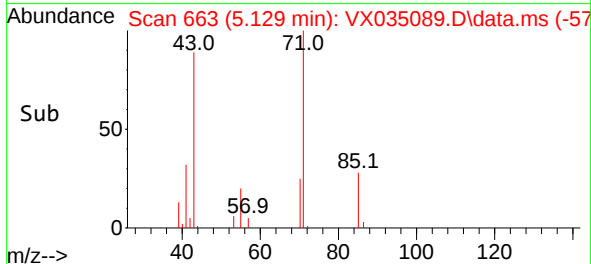
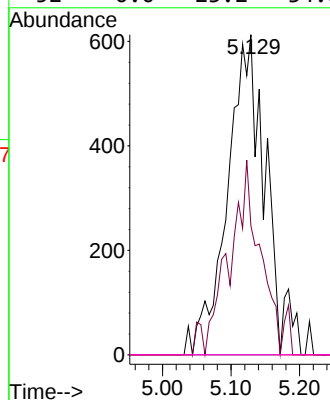
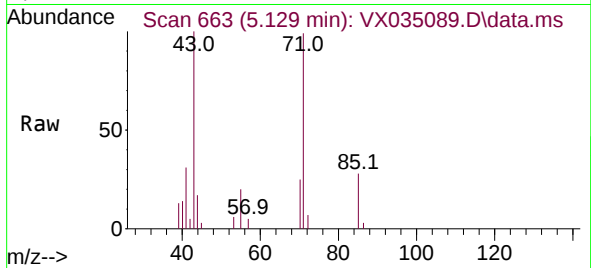




#41
Methacrylonitrile
Concen: 0.932 ug/l
RT: 5.129 min Scan# 61
Delta R.T. 0.213 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

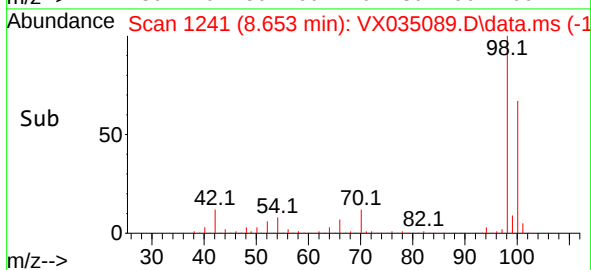
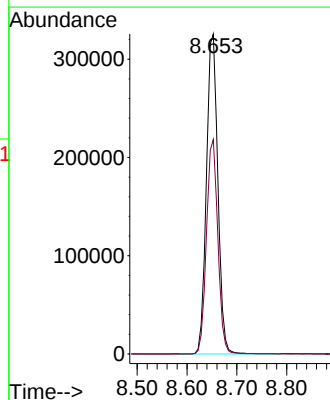
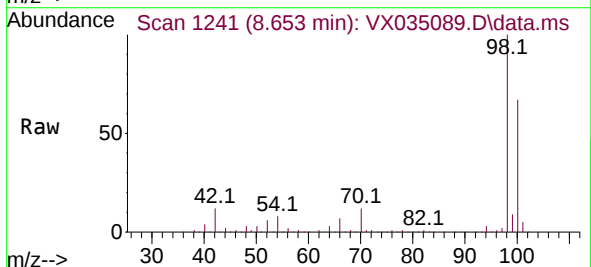
Instrument :
MSVOA_X
ClientSampleId :
1611

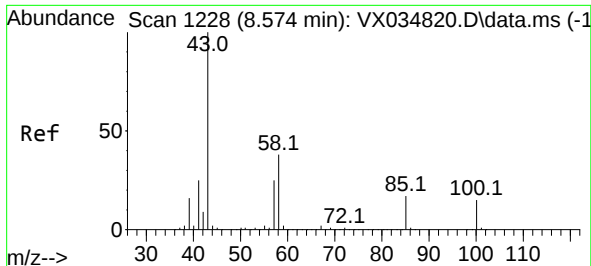
Tgt Ion: 41	Resp: 2253
Ion Ratio	Lower Upper
41 100	
39 50.1	45.0 67.6
67 0.0	55.6 83.4#
52 0.0	23.2 34.8#



#50
Toluene-d8
Concen: 48.872 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 98	Resp: 517770
Ion Ratio	Lower Upper
98 100	
100 66.6	52.5 78.7

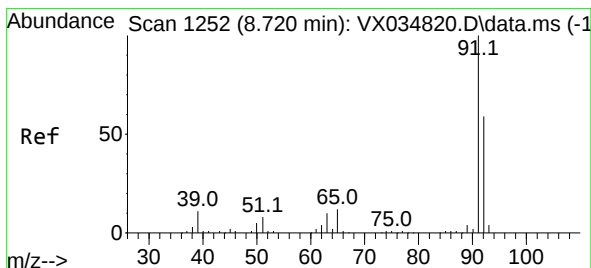
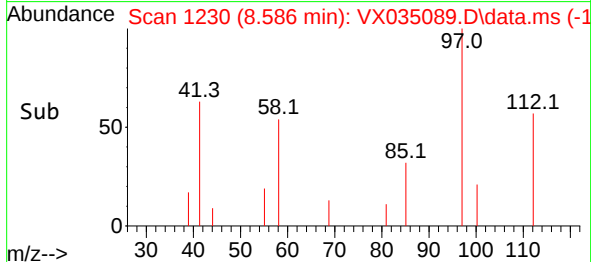
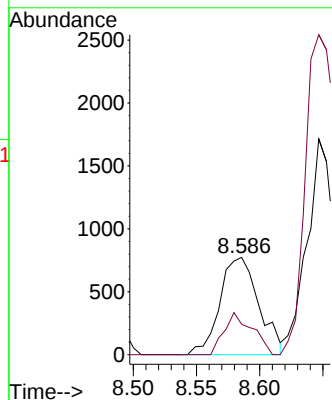
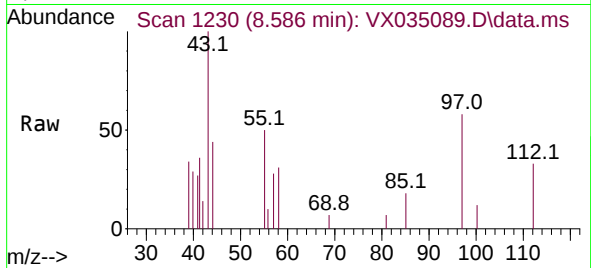




#51
4-Methyl-2-Pentanone
Concen: 0.376 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

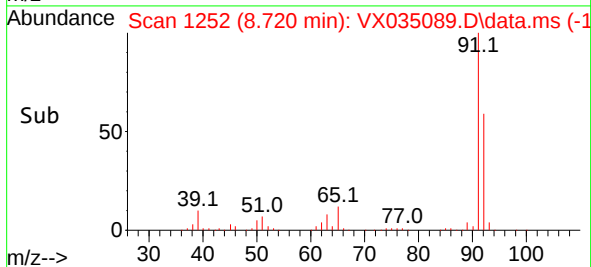
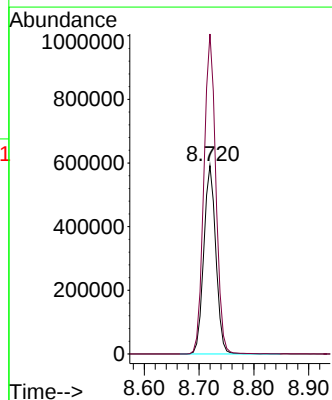
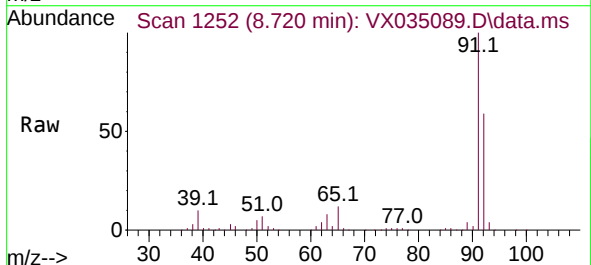
Instrument :
MSVOA_X
ClientSampleId :
1611

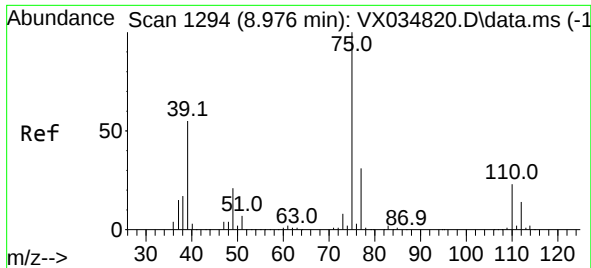
Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
58 31.3 30.6 46.0



#52
Toluene
Concen: 113.294 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 92 Resp: 901731
Ion Ratio Lower Upper
92 100
91 168.7 136.8 205.2





#53

t-1,3-Dichloropropene

Concen: 2.403 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.256 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

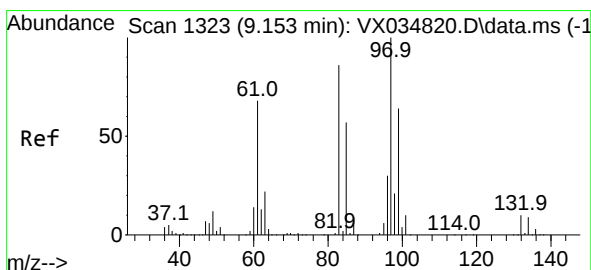
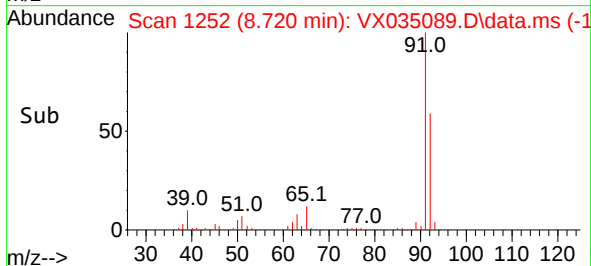
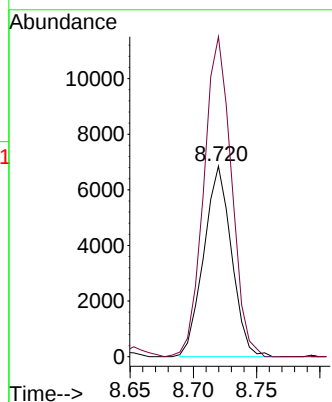
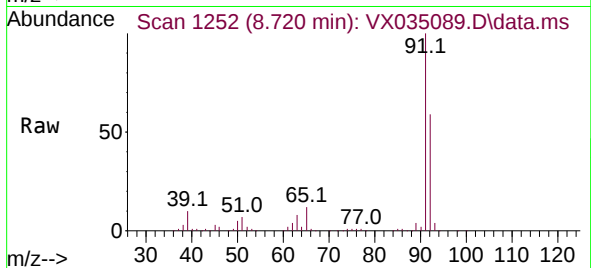
1611

Tgt Ion: 75 Resp: 10451

Ion Ratio Lower Upper

75 100

77 167.9 25.4 38.2#



#55

1,1,2-Trichloroethane

Concen: 0.334 ug/l

RT: 9.104 min Scan# 1315

Delta R.T. -0.049 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Tgt Ion: 97 Resp: 1005

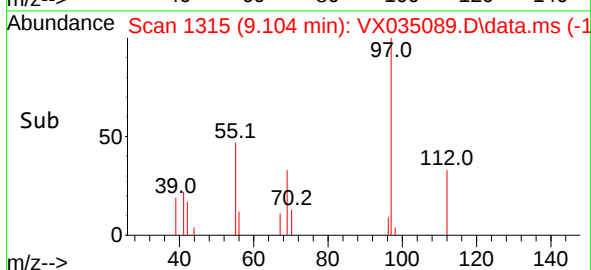
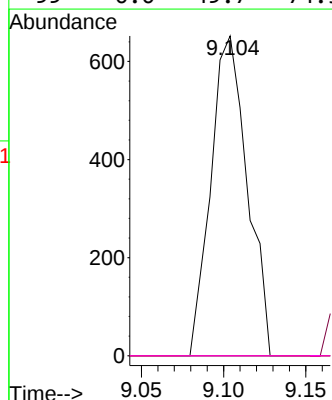
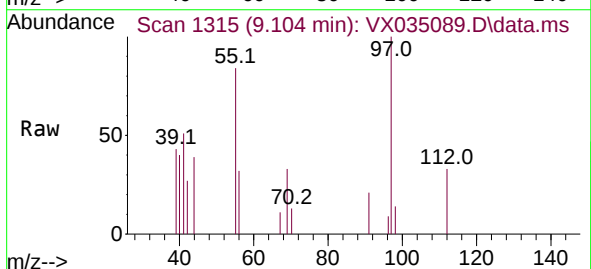
Ion Ratio Lower Upper

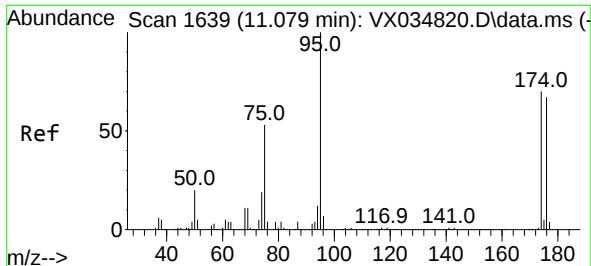
97 100

83 0.0 69.7 104.5#

85 0.0 43.7 65.5#

99 0.0 49.7 74.5#

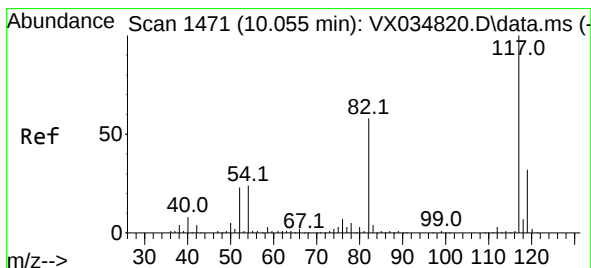
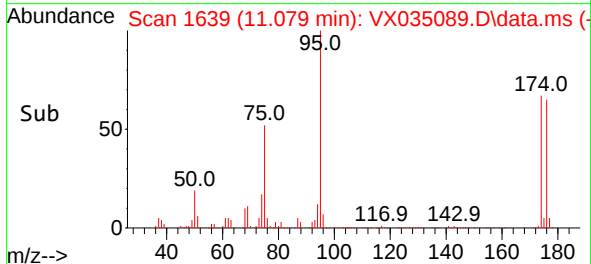
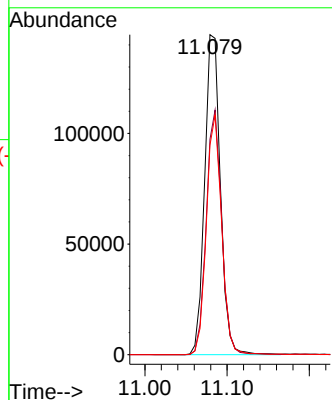
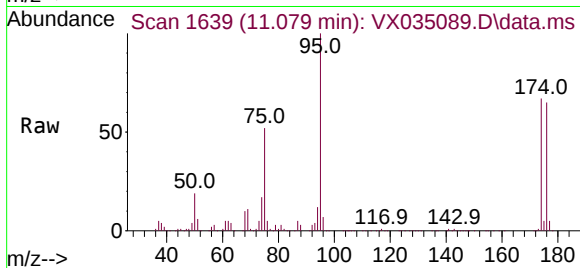




#62
4-Bromofluorobenzene
Concen: 47.002 ug/l
RT: 11.079 min Scan# 1611
Delta R.T. -0.000 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

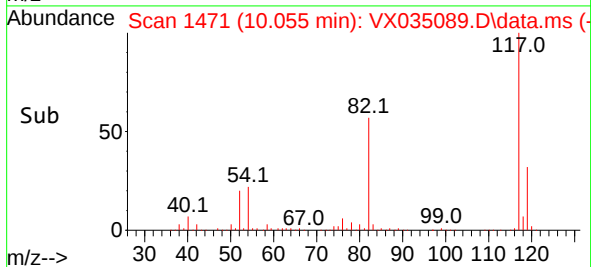
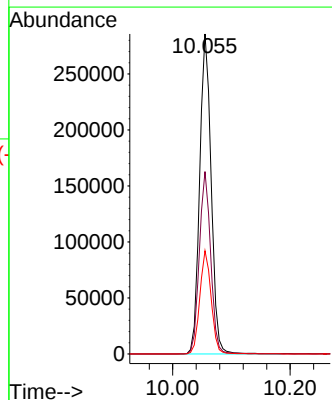
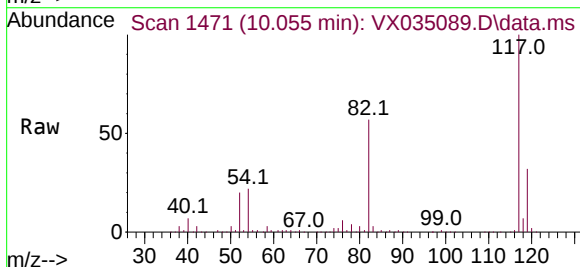
Instrument :
MSVOA_X
ClientSampleId :
1611

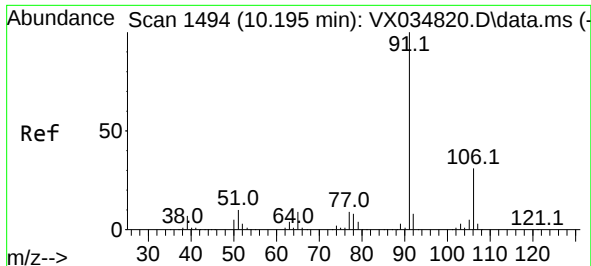
Tgt Ion: 95 Resp: 192699
Ion Ratio Lower Upper
95 100
174 74.8 0.0 147.4
176 72.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Tgt Ion: 117 Resp: 388373
Ion Ratio Lower Upper
117 100
82 57.0 45.0 67.4
119 32.3 26.0 39.0





#67

Ethyl Benzene

Concen: 0.246 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

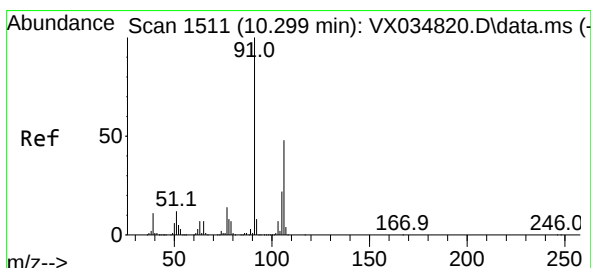
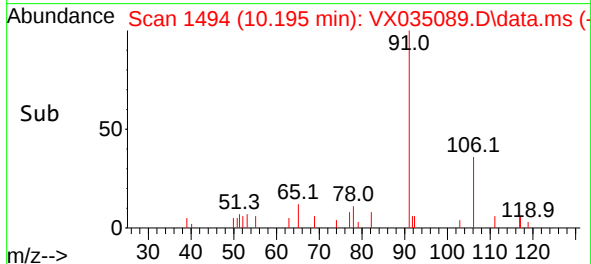
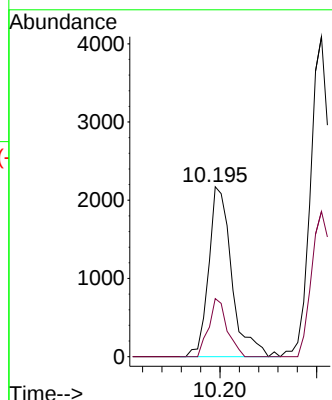
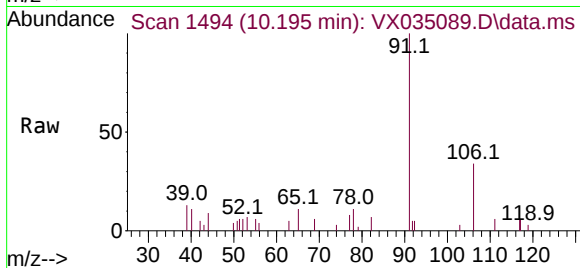
1611

Tgt Ion: 91 Resp: 3602

Ion Ratio Lower Upper

91 100

106 34.2 25.6 38.4



#68

m/p-Xylenes

Concen: 0.511 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX035089.D

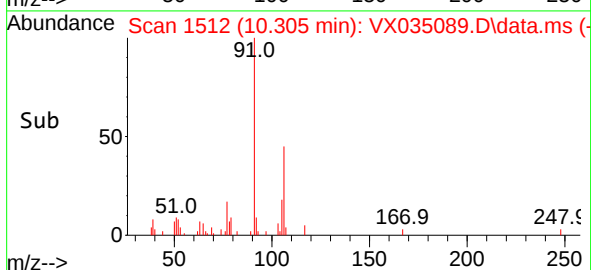
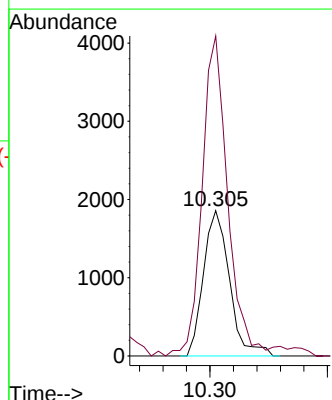
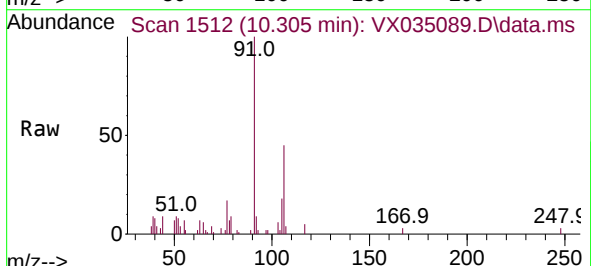
Acq: 14 Apr 2023 17:30

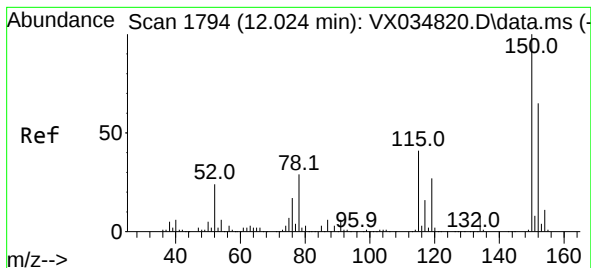
Tgt Ion: 106 Resp: 2859

Ion Ratio Lower Upper

106 100

91 214.8 164.0 246.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035089.D

Acq: 14 Apr 2023 17:30

Instrument :

MSVOA_X

ClientSampleId :

1611

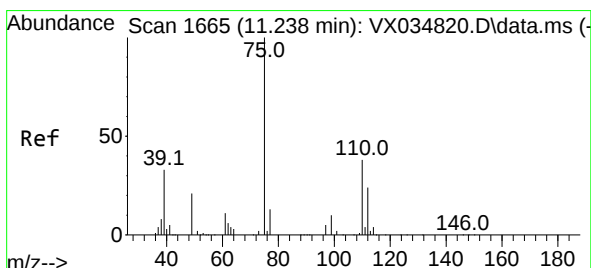
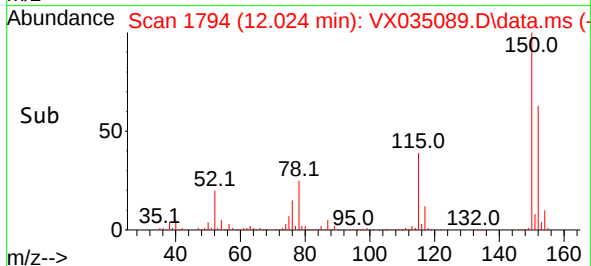
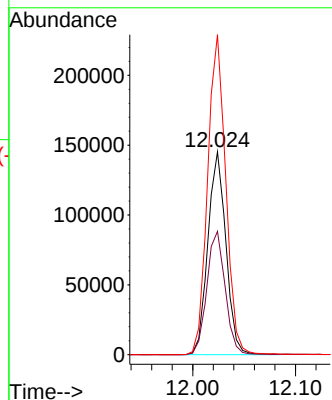
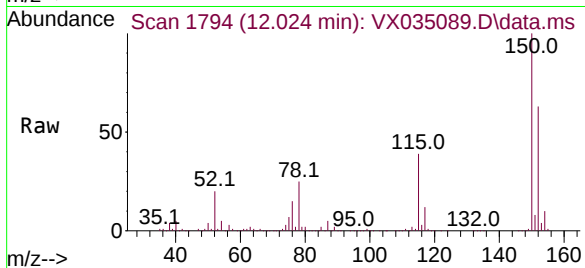
Tgt Ion:152 Resp: 177337

Ion Ratio Lower Upper

152 100

115 62.0 45.0 135.0

150 158.8 0.0 352.4



#76

1,2,3-Trichloropropane

Concen: 27.582 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX035089.D

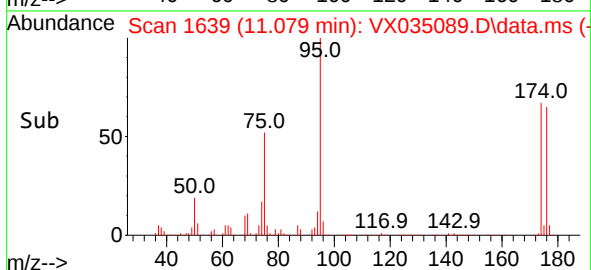
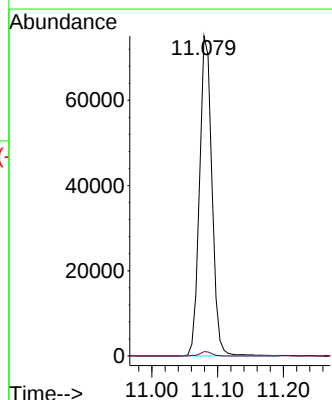
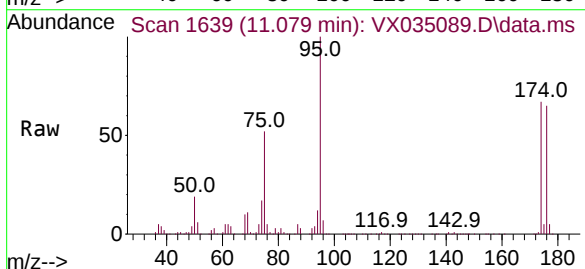
Acq: 14 Apr 2023 17:30

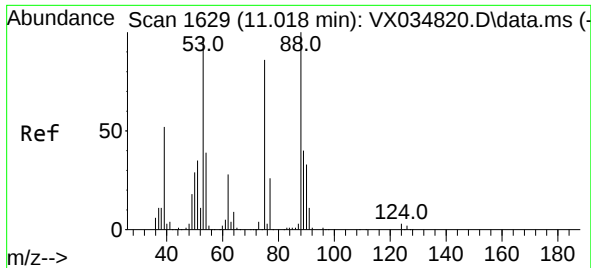
Tgt Ion: 75 Resp: 98557

Ion Ratio Lower Upper

75 100

77 1.3 21.6 64.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 82.662 ug/l
RT: 11.079 min Scan# 1611
Delta R.T. 0.061 min
Lab File: VX035089.D
Acq: 14 Apr 2023 17:30

Instrument :
MSVOA_X
ClientSampleId :
1611

Tgt Ion: 75 Resp: 98557
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#

