

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017526.D
 Acq On : 24 Jul 2020 05:16
 Operator : JC/SP
 Sample : L3380-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-241

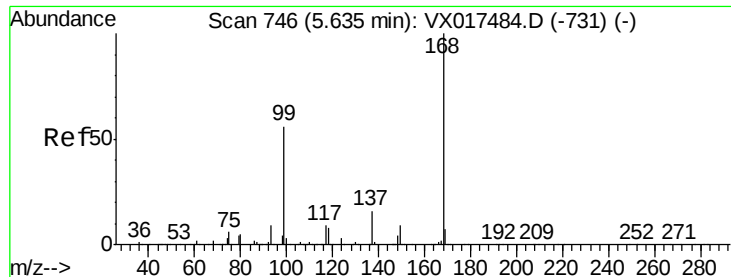
Quant Time: Jul 24 06:08:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	480500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	825278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	921281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	480979	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	341291	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
35) Dibromofluoromethane	5.46	113	283970	51.45	ug/l	0.00
Spiked Amount			Recovery	=	102.90%	
50) Toluene-d8	8.70	98	1059405	53.21	ug/l	0.00
Spiked Amount			Recovery	=	106.42%	
62) 4-Bromofluorobenzene	11.12	95	474783	59.58	ug/l	0.00
Spiked Amount			Recovery	=	119.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	221	Below Cal	#	42
3) Chloromethane	1.32	50	491	0.449	ug/l #	39
5) Bromomethane	1.62	94	225	Below Cal	#	65
6) Chloroethane	1.71	64	463	Below Cal	#	84
8) Diethyl Ether	2.17	74	2621	Below Cal		74
11) Tert butyl alcohol	3.01	59	10380	7.979	ug/l #	77
13) Acrolein	2.28	56	554	4.697	ug/l #	39
16) Acetone	2.42	43	93927	34.575	ug/l	99
17) Carbon Disulfide	2.54	76	3548	0.235	ug/l #	49
18) Methyl Acetate	2.75	43	8652	1.352	ug/l #	86
20) Methylene Chloride	2.84	84	104249	19.595	ug/l	99
25) 2-Butanone	4.64	43	43414	11.249	ug/l	94
29) Tetrahydrofuran	5.10	42	3841	1.607	ug/l #	85
36) 1,1-Dichloropropene	5.63	75	36330	4.590	ug/l #	54
38) Carbon Tetrachloride	5.63	117	48254	5.020	ug/l #	17
43) Isopropyl Acetate	6.42	43	139910	9.791	ug/l	99
48) Methyl methacrylate	7.66	41	7142	1.008	ug/l #	17
49) 1,4-Dioxane	7.74	88	584	4.301	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	120384	14.120	ug/l #	48
54) cis-1,3-Dichloropropene	8.60	75	49951	4.891	ug/l #	58
59) 2-Hexanone	9.47	43	16343	2.546	ug/l	95
74) N-amyl acetate	10.80	43	11209	0.765	ug/l #	57
76) 1,2,3-Trichloropropane	11.12	75	241523	24.411	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	241523	61.511	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	284	2.669	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

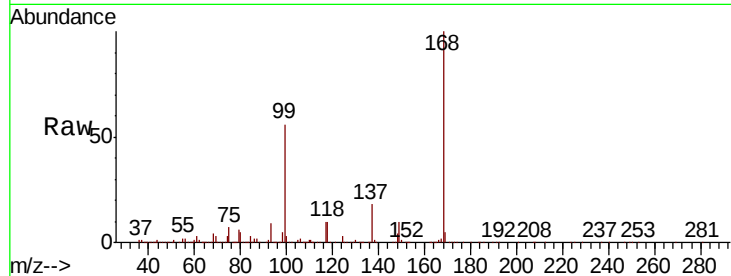
VNJ-241

Tot Ion:168 Resp: 480500

Ion Ratio Lower Upper

168 100

99 55.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

150000

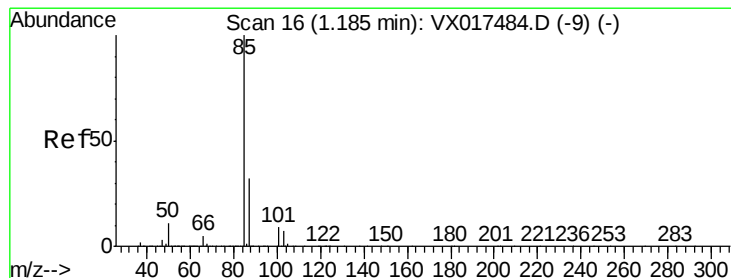
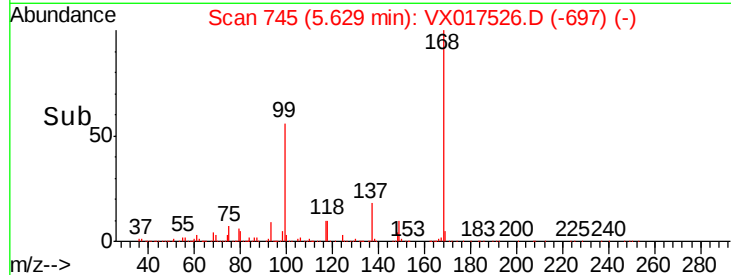
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017526.D

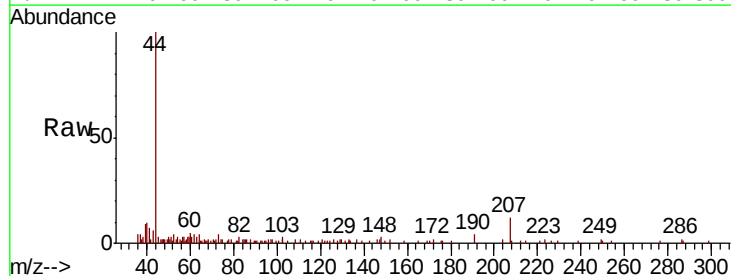
Acq: 24 Jul 2020 05:16

Tgt Ion: 85 Resp: 221

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

300

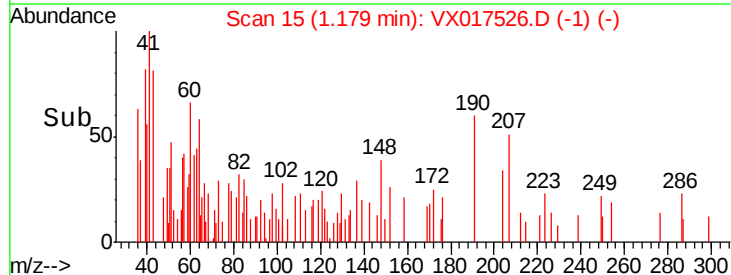
200

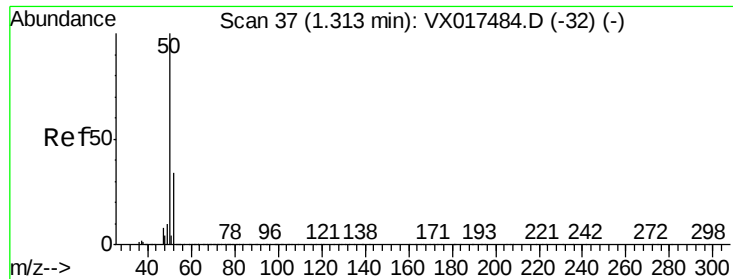
100

0

Time-->

1.16 1.17 1.18 1.19





#3

Chloromethane

Concen: 0.449 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

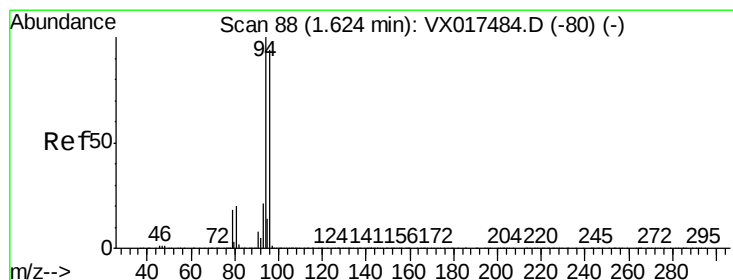
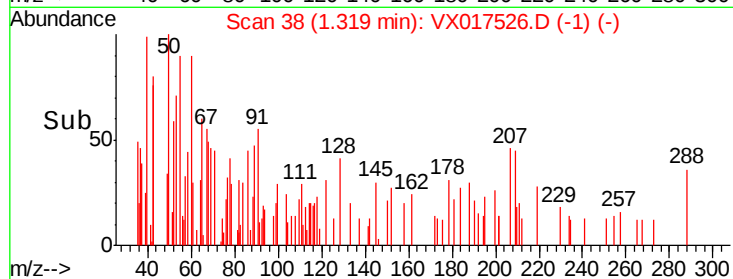
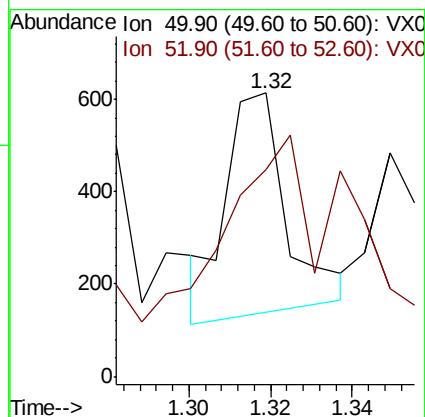
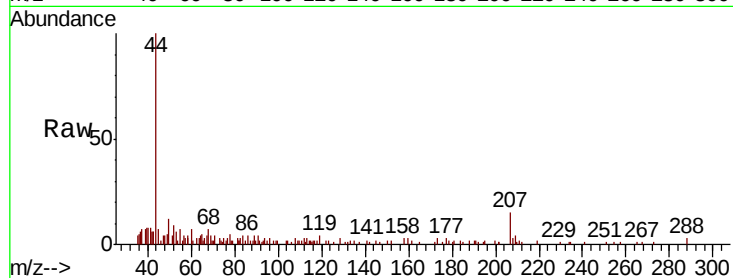
VNJ-241

Tot Ion: 50 Resp: 491

Ion Ratio Lower Upper

50 100

52 66.4 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 87

Delta R.T. -0.01 min

Lab File: VX017526.D

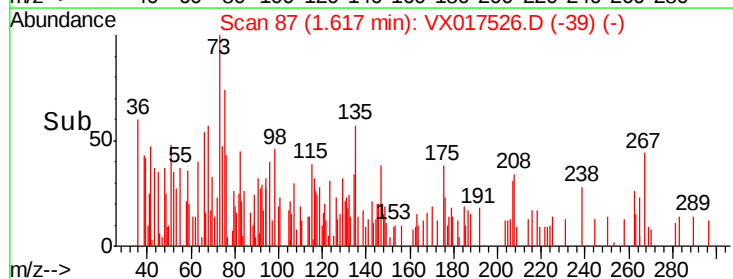
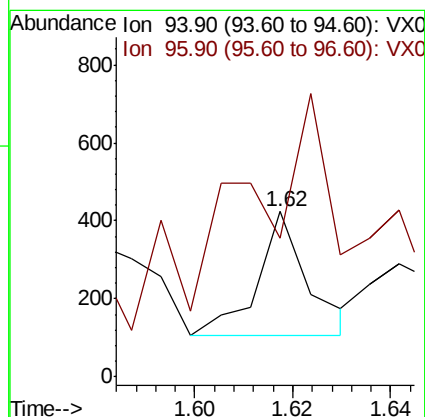
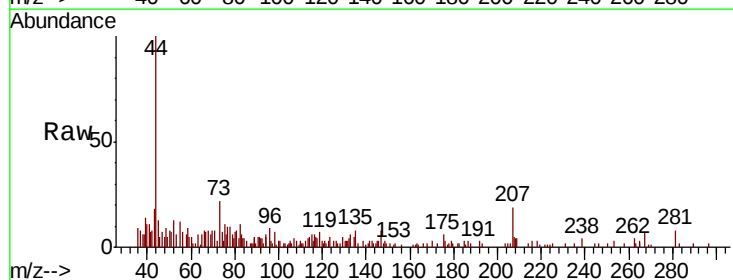
Acq: 24 Jul 2020 05:16

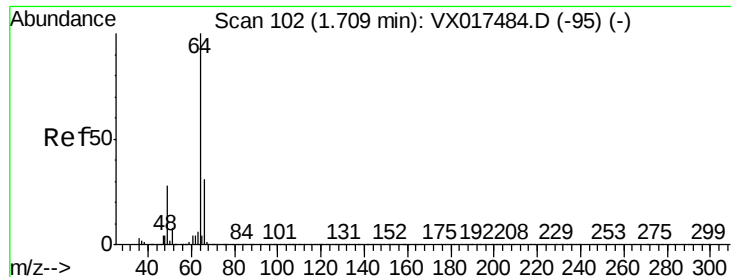
Tgt Ion: 94 Resp: 225

Ion Ratio Lower Upper

94 100

96 59.1 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

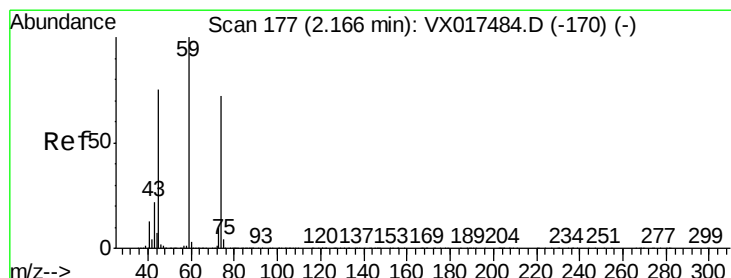
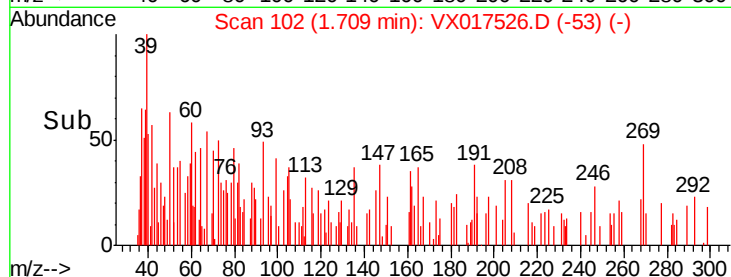
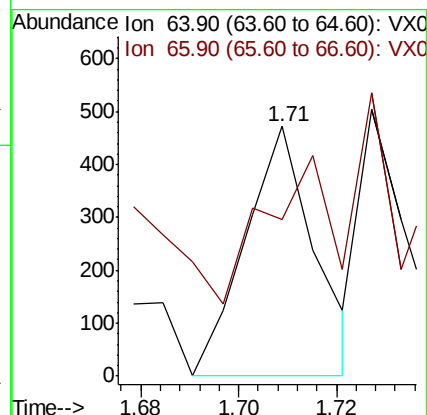
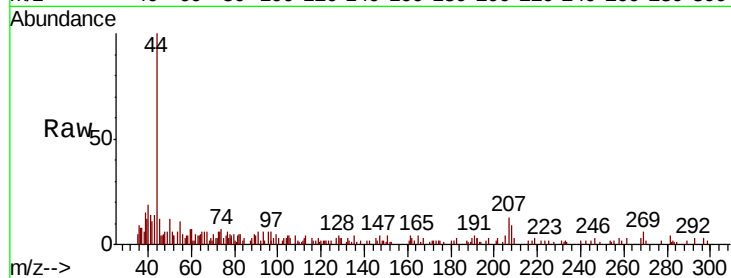
VNJ-241

Tot Ion: 64 Resp: 463

Ion Ratio Lower Upper

64 100

66 22.4 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.17 min Scan# 178

Delta R.T. 0.01 min

Lab File: VX017526.D

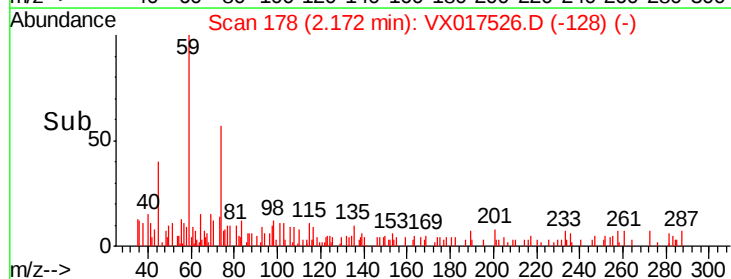
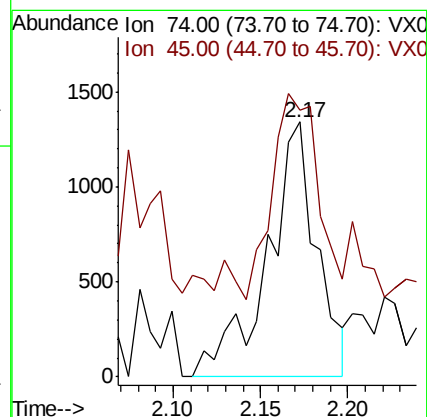
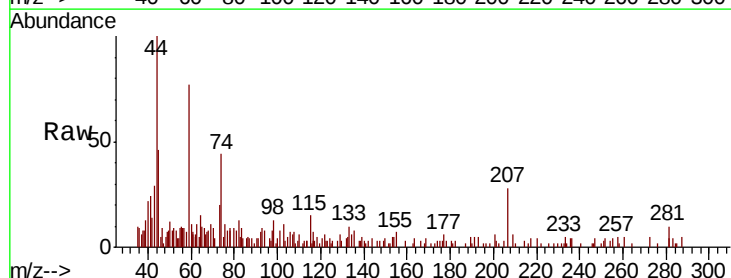
Acq: 24 Jul 2020 05:16

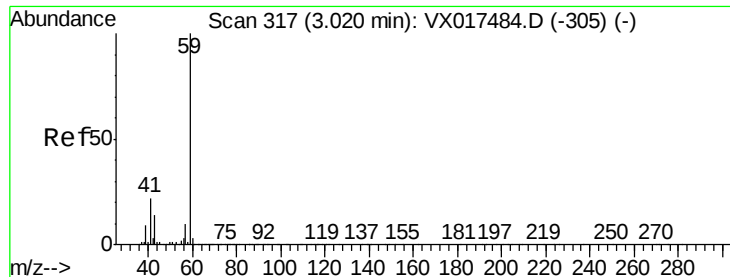
Tgt Ion: 74 Resp: 2621

Ion Ratio Lower Upper

74 100

45 75.5 50.8 152.5

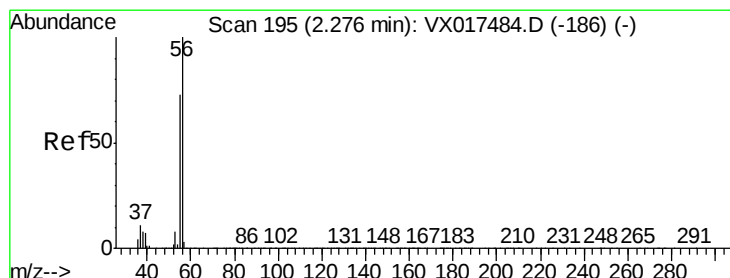
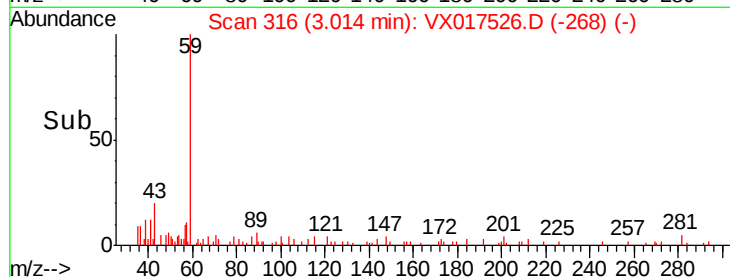
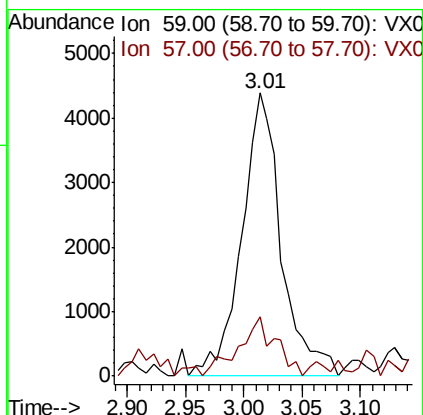
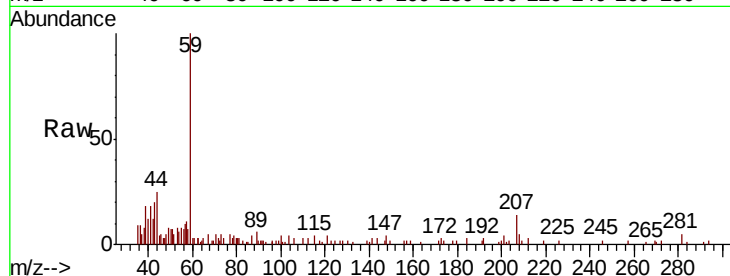




#11
Tert butyl alcohol
Concen: 7.979 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

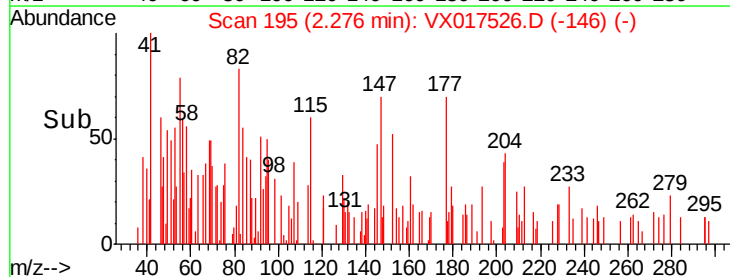
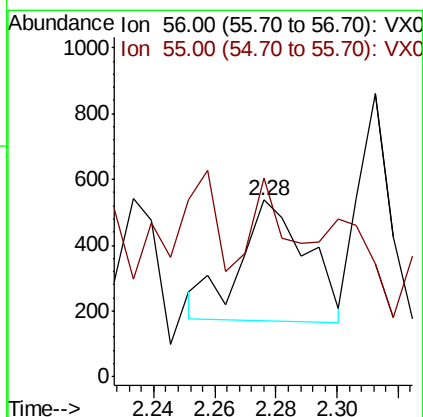
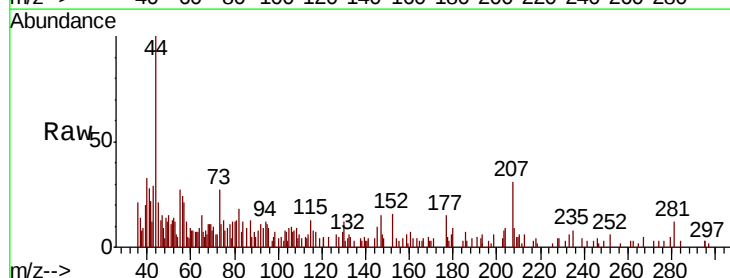
Instrument :
MSVOA_X
ClientSampleId :
VNJ-241

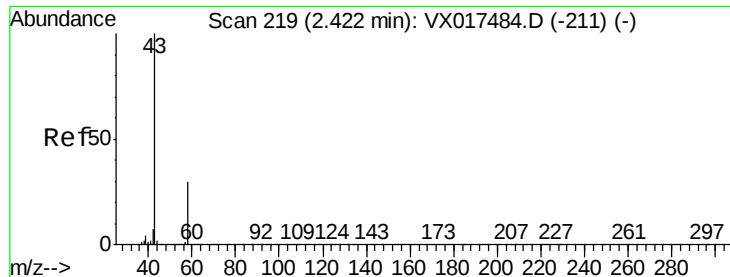
Tot Ion: 59 Resp: 10380
Ion Ratio Lower Upper
59 100
57 19.3 8.6 12.8#



#13
Acrolein
Concen: 4.697 ug/l
RT: 2.28 min Scan# 195
Delta R.T. -0.00 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

Tgt Ion: 56 Resp: 554
Ion Ratio Lower Upper
56 100
55 20.9 57.4 86.2#





#16

Acetone

Concen: 34.575 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

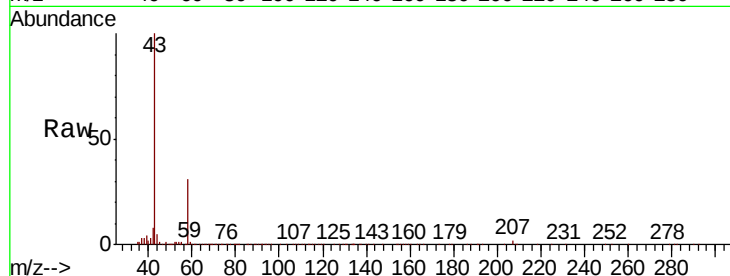
VNJ-241

Tot Ion: 43 Resp: 93927

Ion Ratio Lower Upper

43 100

58 30.8 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

60000

50000

40000

30000

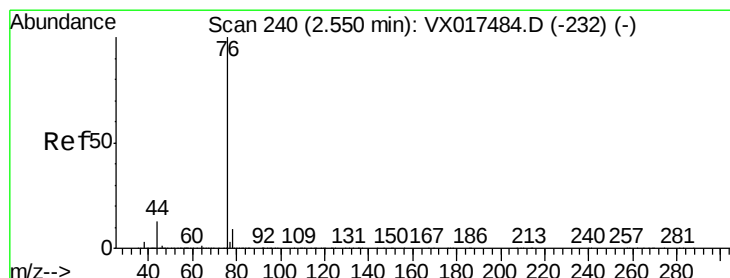
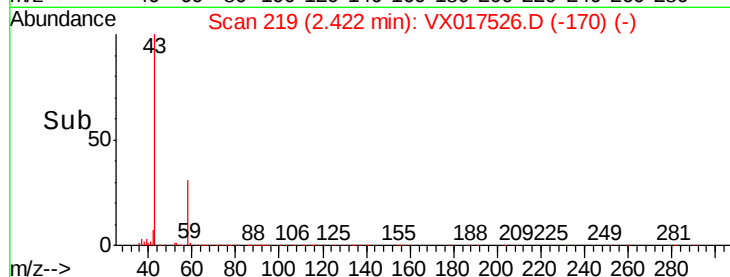
20000

10000

0

Time-->

2.35 2.40 2.45 2.50



#17

Carbon Disulfide

Concen: 0.235 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.01 min

Lab File: VX017526.D

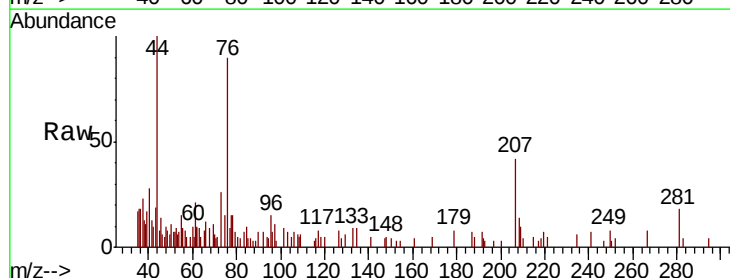
Acq: 24 Jul 2020 05:16

Tgt Ion: 76 Resp: 3548

Ion Ratio Lower Upper

76 100

78 28.1 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.54

2000

1500

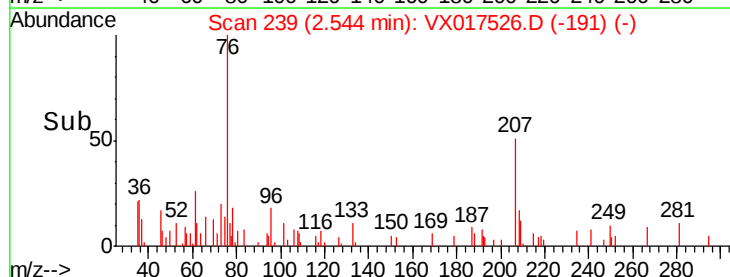
1000

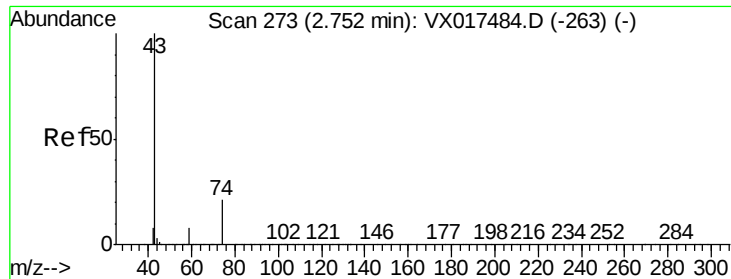
500

0

Time-->

2.50 2.55 2.60

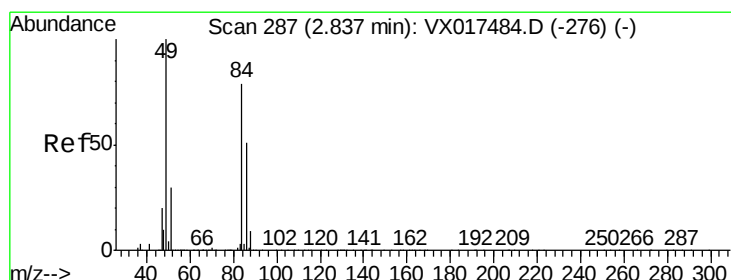
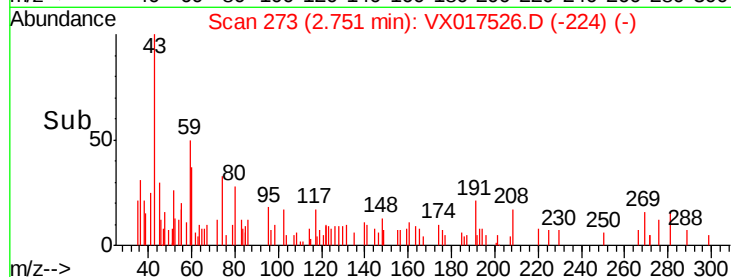
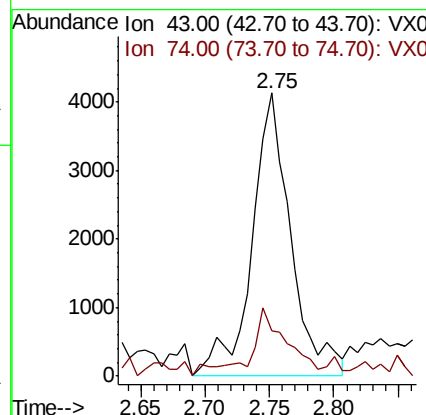
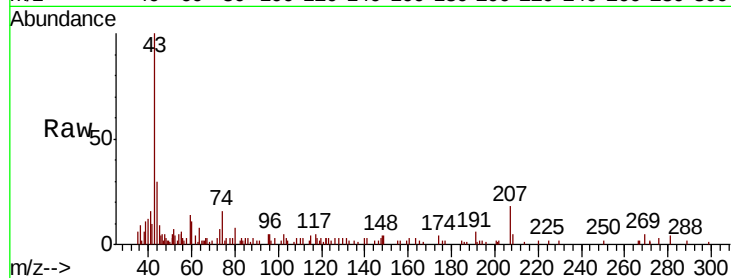




#18
Methyl Acetate
Concen: 1.352 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

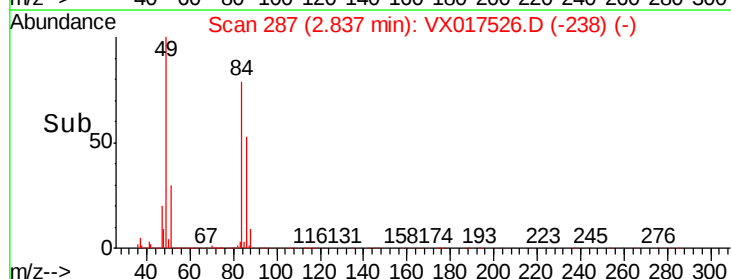
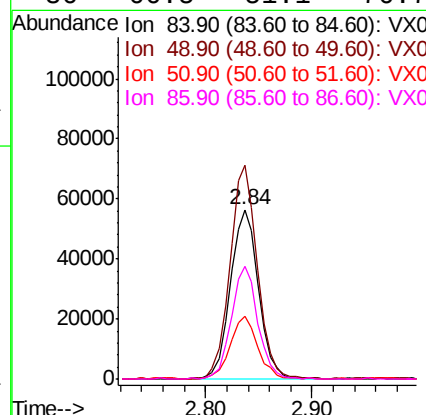
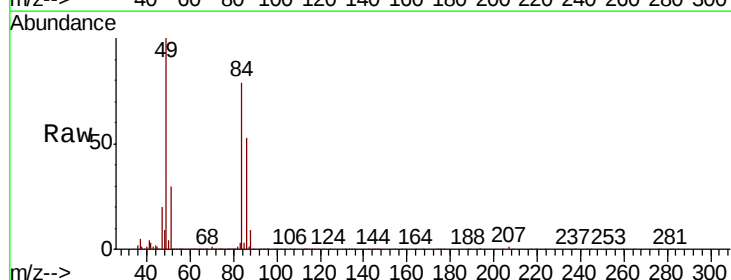
Instrument :
MSVOA_X
ClientSampleId :
VNJ-241

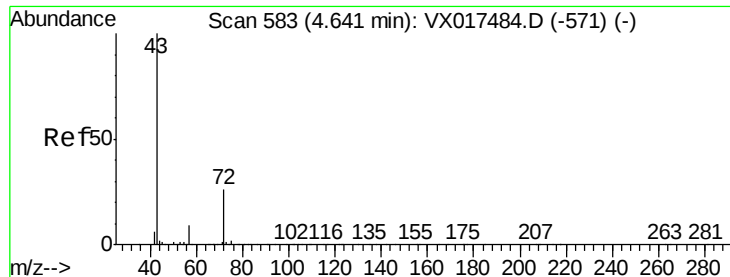
Tot Ion: 43 Resp: 8652
Ion Ratio Lower Upper
43 100
74 15.1 17.5 26.3#



#20
Methylene Chloride
Concen: 19.595 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

Tgt Ion: 84 Resp: 104249
Ion Ratio Lower Upper
84 100
49 126.0 100.3 150.5
51 37.2 30.5 45.7
86 66.5 51.1 76.7





#25

2-Butanone

Concen: 11.249 ug/l

RT: 4.64 min Scan# 583

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

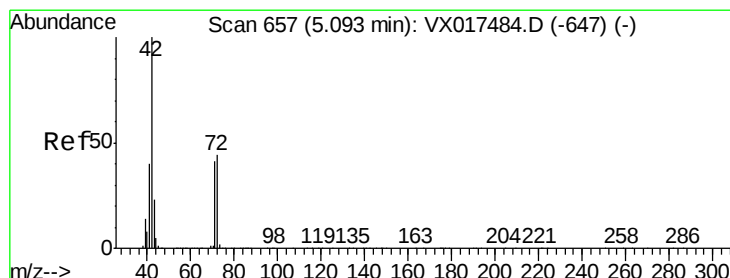
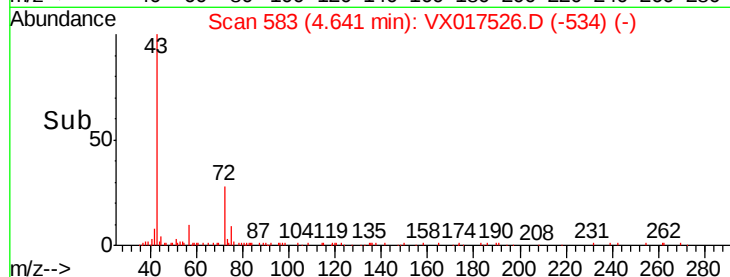
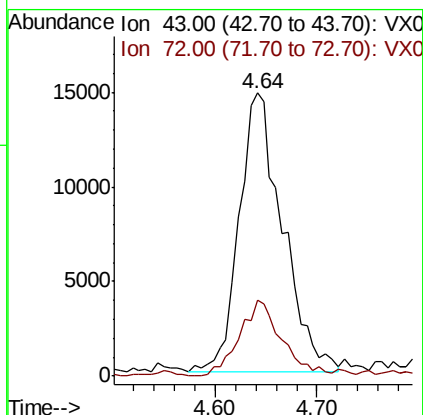
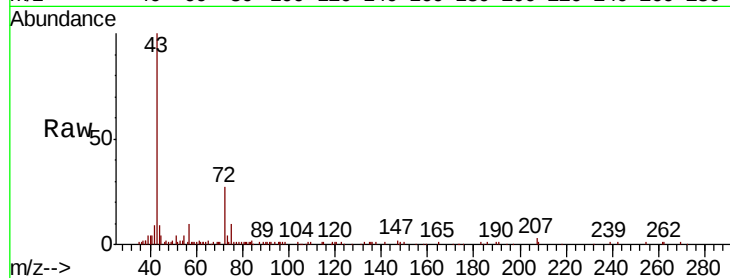
VNJ-241

Tot Ion: 43 Resp: 43414

Ion Ratio Lower Upper

43 100

72 26.8 19.0 28.4



#29

Tetrahydrofuran

Concen: 1.607 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

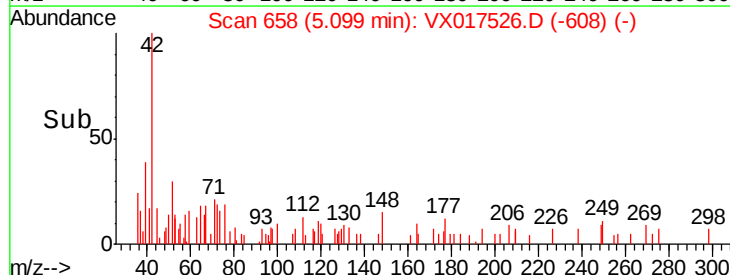
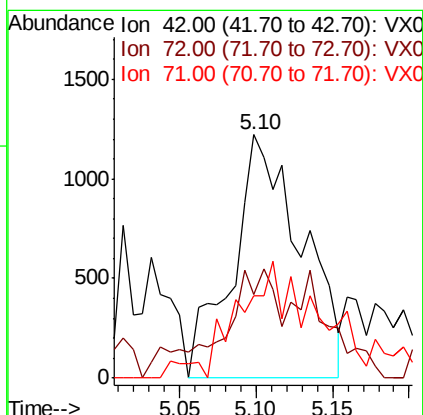
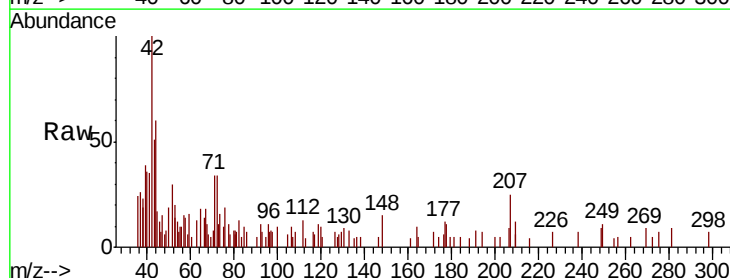
Tgt Ion: 42 Resp: 3841

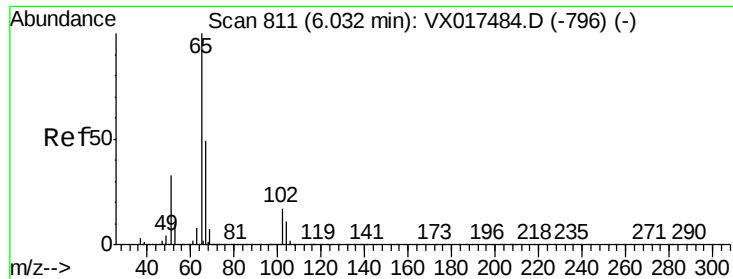
Ion Ratio Lower Upper

42 100

72 36.8 35.5 53.3

71 52.5 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 55.295 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

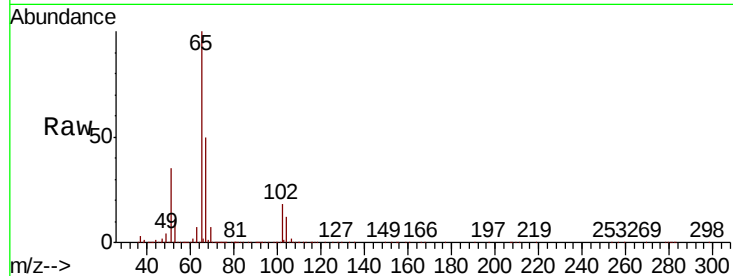
VNJ-241

Tot Ion: 65 Resp: 341291

Ion Ratio Lower Upper

65 100

67 51.0 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

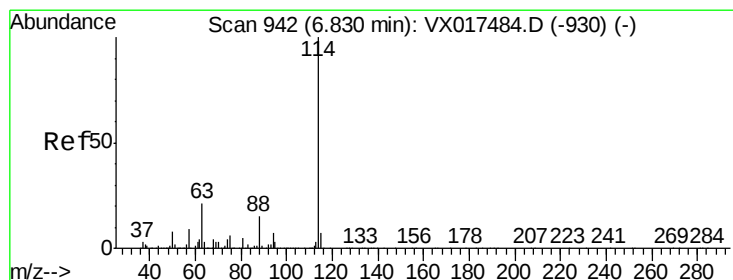
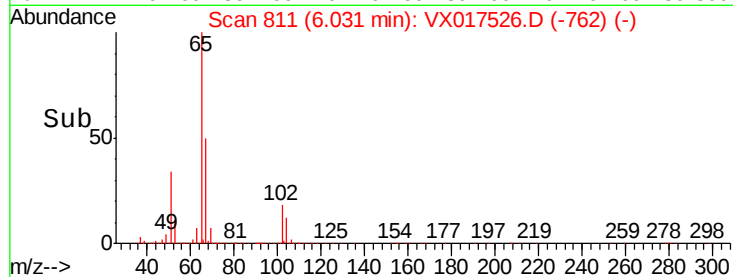
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

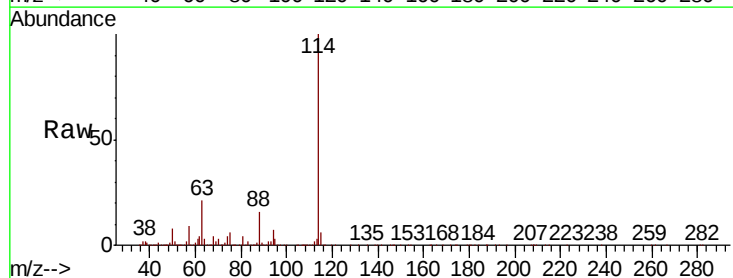
Tgt Ion: 114 Resp: 825278

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.6

88 16.1 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

400000

300000

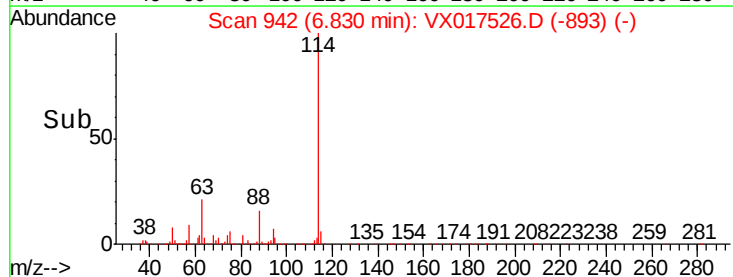
200000

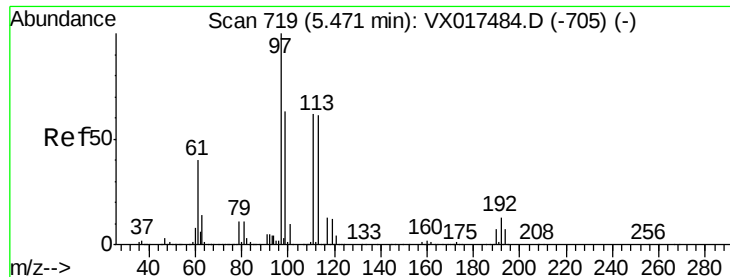
100000

0

Time-->

6.70 6.80 6.90





#35

Dibromofluoromethane

Concen: 51.448 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

VNJ-241

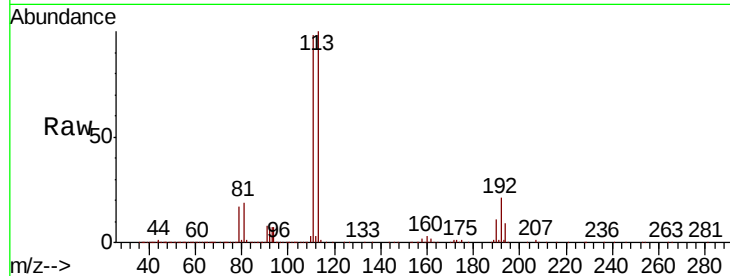
Tot Ion:113 Resp: 283970

Ion Ratio Lower Upper

113 100

111 102.0 80.7 121.1

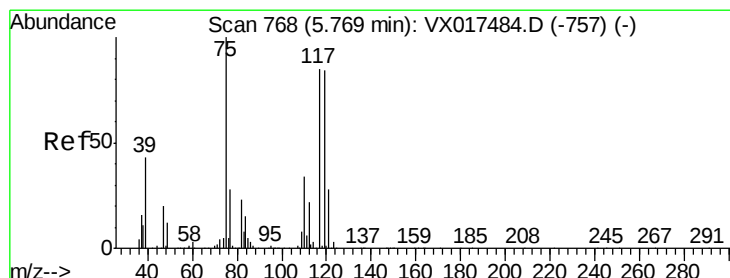
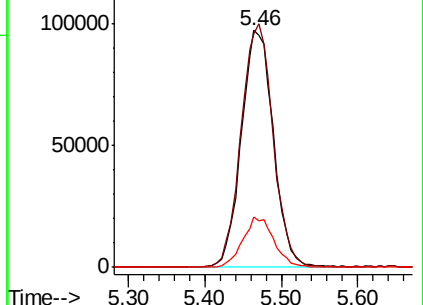
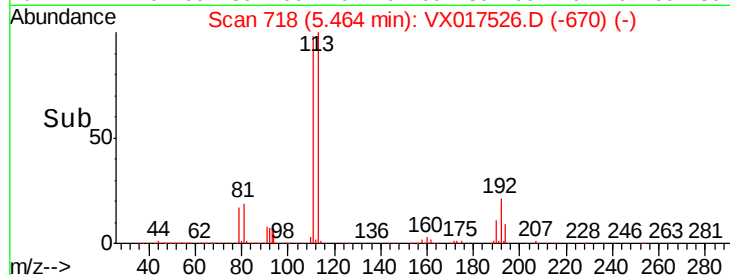
192 20.6 16.9 25.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.590 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

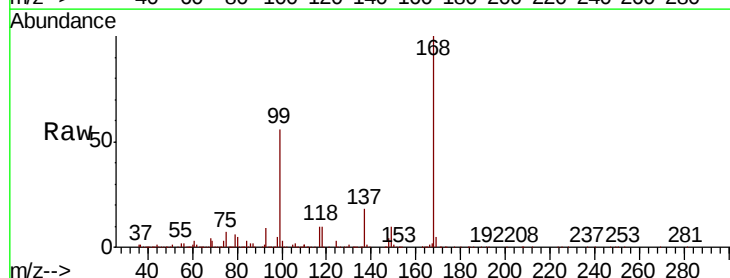
Tgt Ion: 75 Resp: 36330

Ion Ratio Lower Upper

75 100

110 13.1 18.1 54.3#

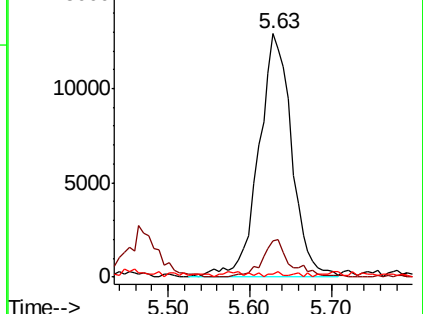
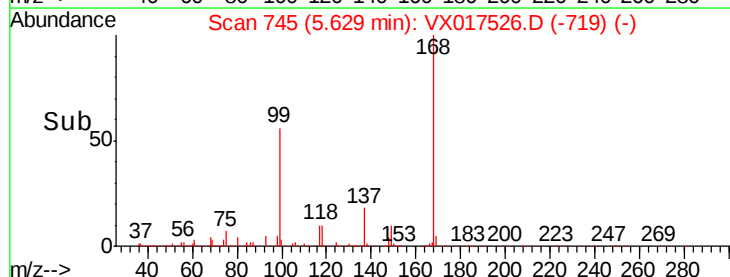
77 0.8 24.6 37.0#

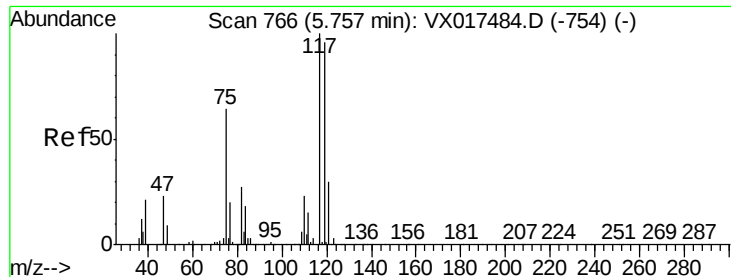


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.020 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

VNJ-241

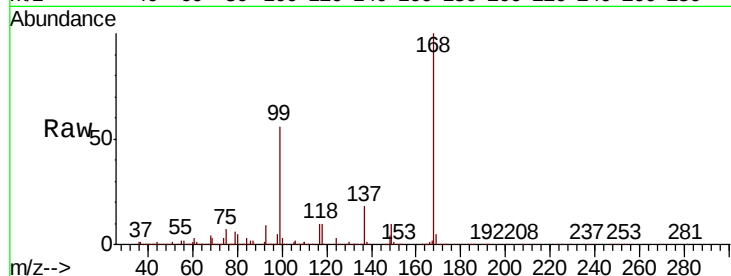
Tot Ion:117 Resp: 48254

Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.0#

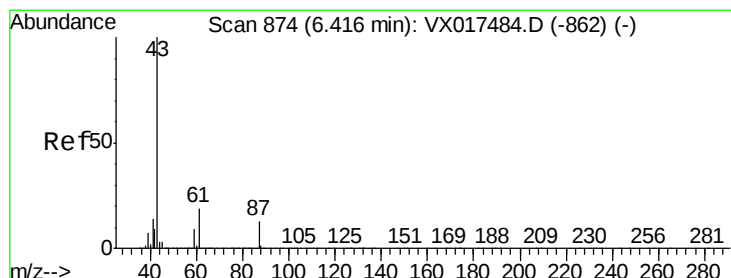
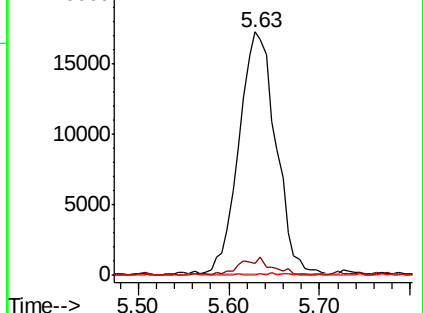
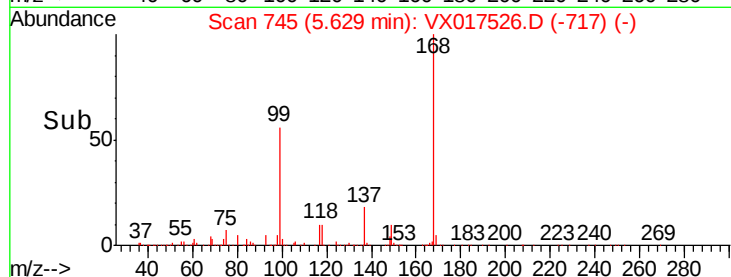
121 0.4 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.791 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

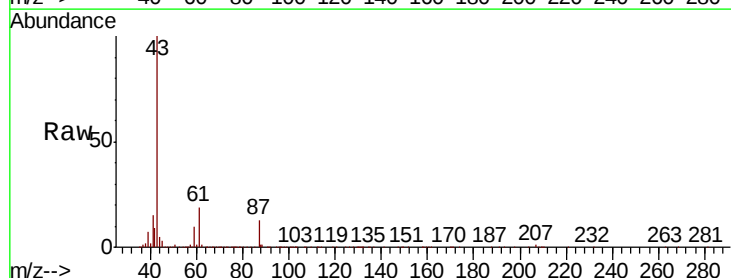
Tgt Ion: 43 Resp: 139910

Ion Ratio Lower Upper

43 100

61 20.2 15.5 23.3

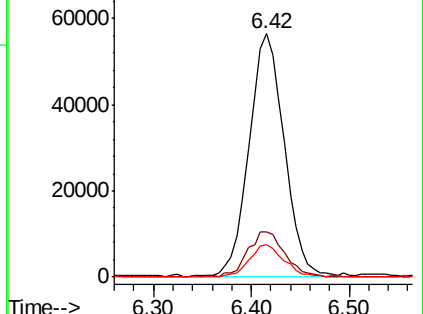
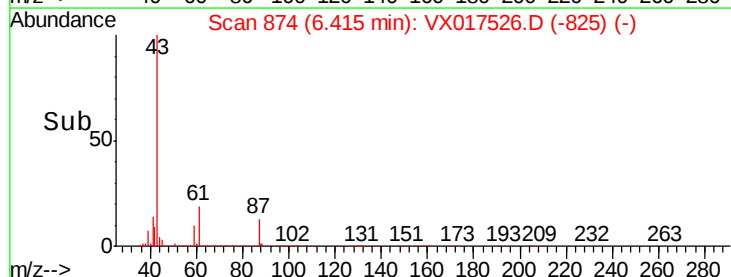
87 13.0 10.5 15.7

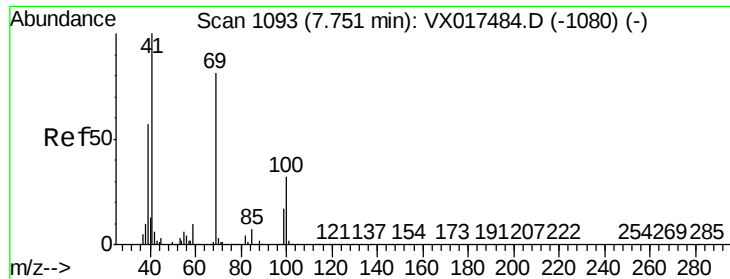


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

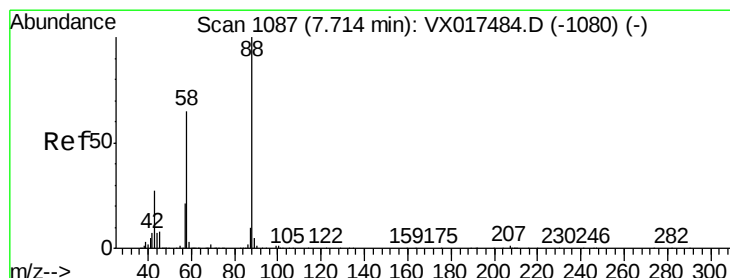
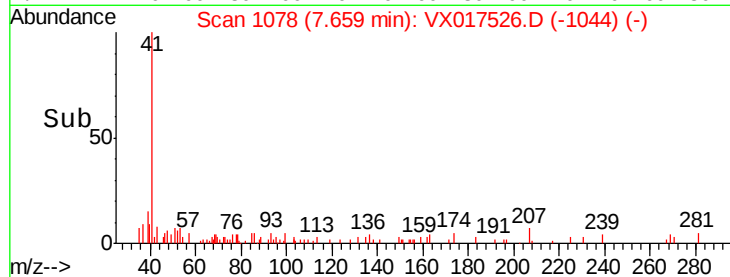
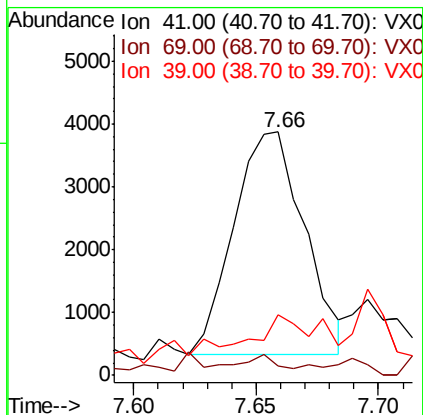
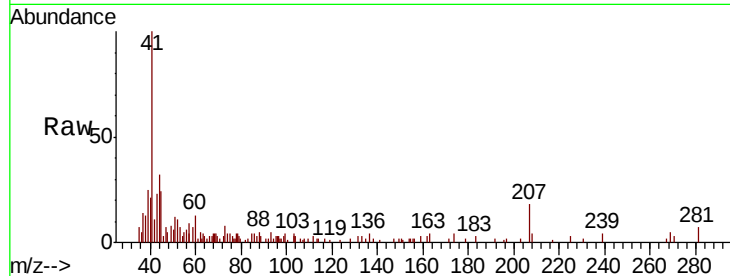




#48
Methyl methacrylate
Concen: 1.008 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

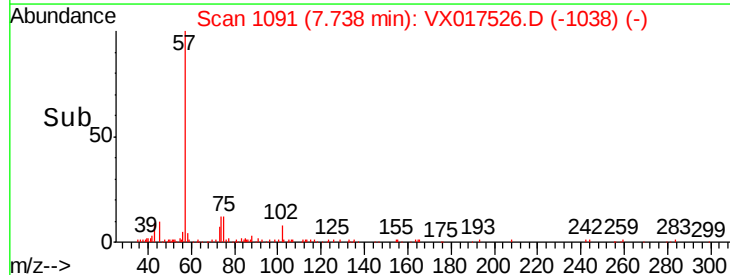
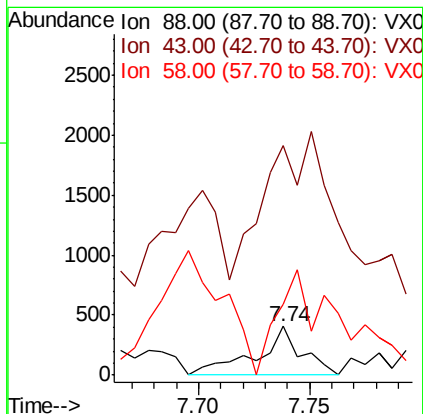
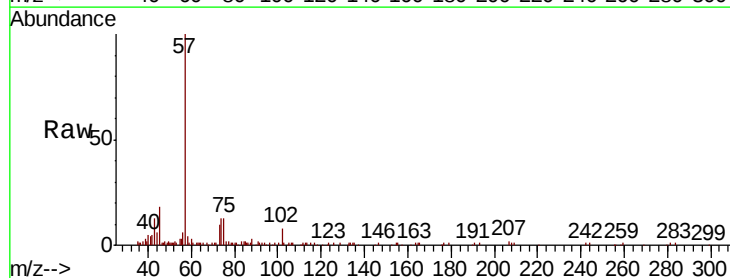
Instrument :
MSVOA_X
ClientSampled :
VNJ-241

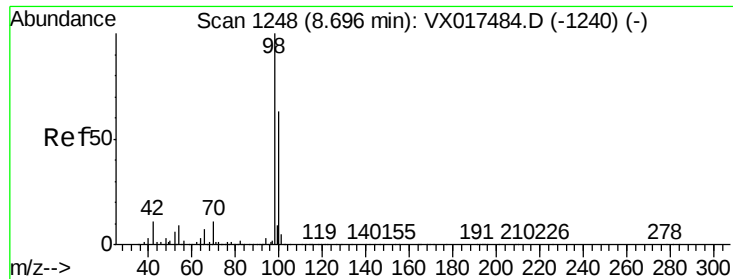
Tot Ion: 41 Resp: 7142
Ion Ratio Lower Upper
41 100
69 1.9 63.1 94.7#
39 0.0 45.1 67.7#



#49
1,4-Dioxane
Concen: 4.301 ug/l
RT: 7.74 min Scan# 1091
Delta R.T. 0.02 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

Tgt Ion: 88 Resp: 584
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 314.6 58.3 87.5#





#50

Toluene-d8

Concen: 53.206 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

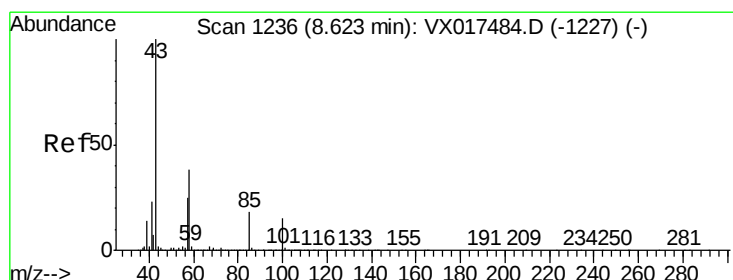
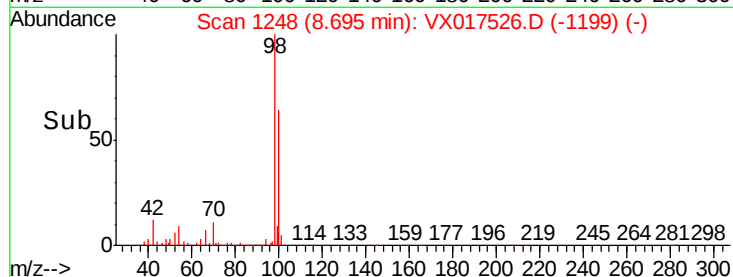
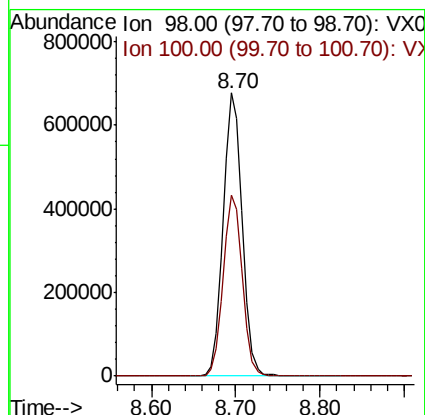
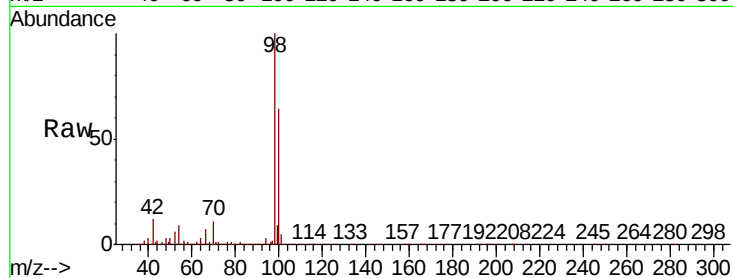
VNJ-241

Tot Ion: 98 Resp: 1059405

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5



#51

4-Methyl-2-Pentanone

Concen: 14.120 ug/l

RT: 8.59 min Scan# 1231

Delta R.T. -0.03 min

Lab File: VX017526.D

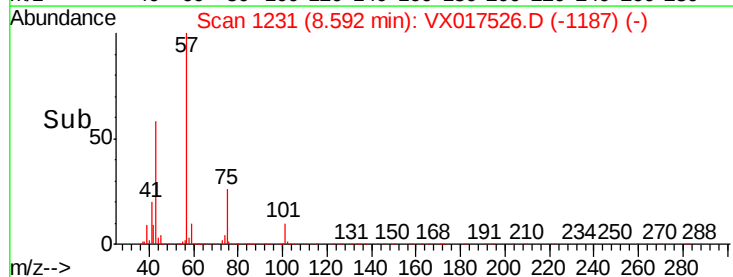
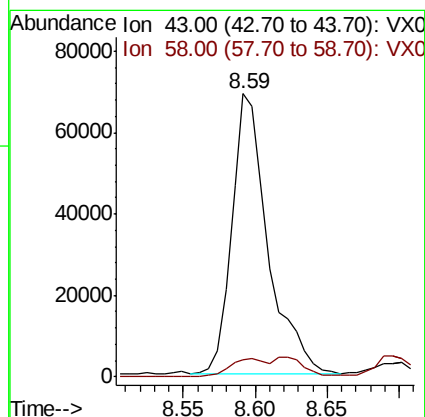
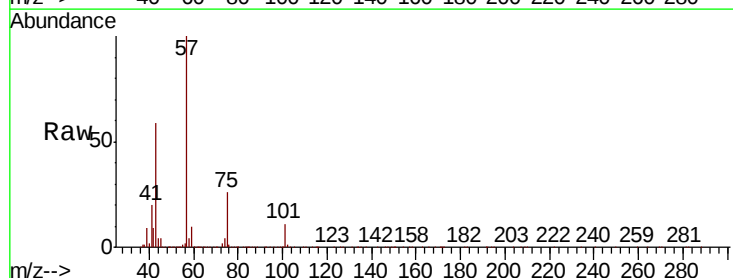
Acq: 24 Jul 2020 05:16

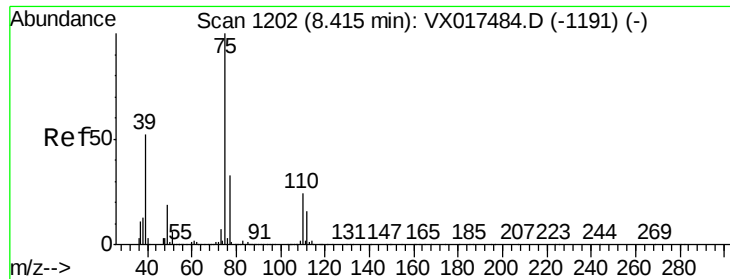
Tgt Ion: 43 Resp: 120384

Ion Ratio Lower Upper

43 100

58 7.2 31.0 46.4#

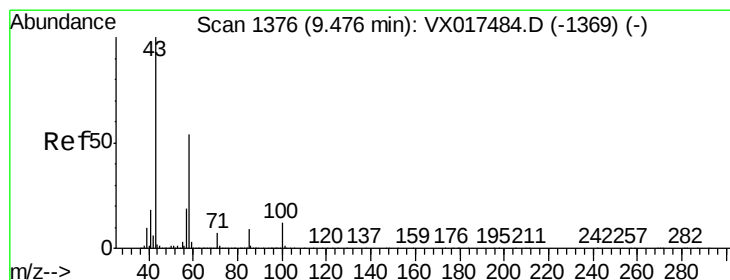
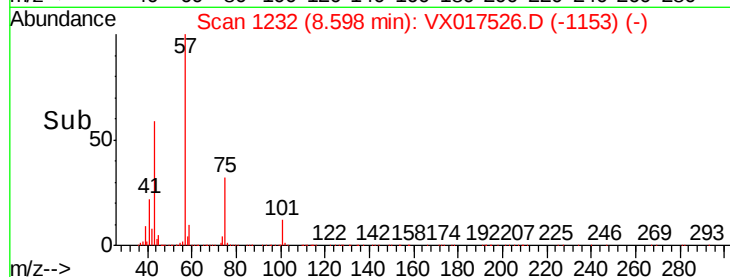
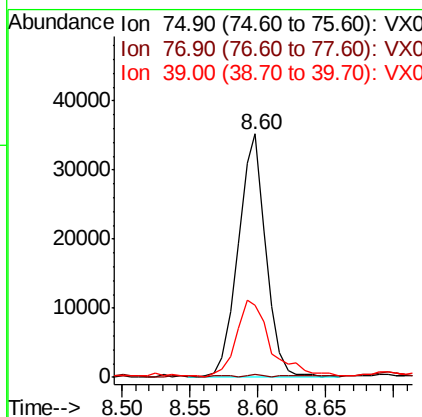
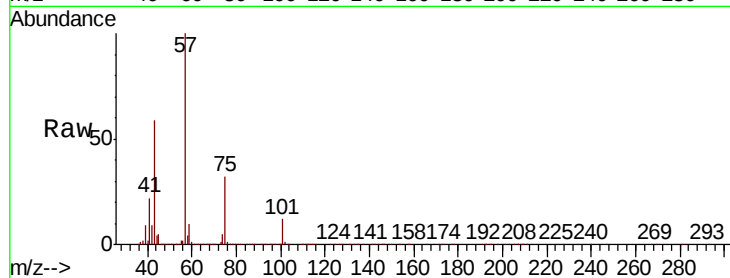




#54
 cis-1,3-Dichloropropene
 Concen: 4.891 ug/l
 RT: 8.60 min Scan# 1232
 Delta R.T. 0.18 min
 Lab File: VX017526.D
 Acq: 24 Jul 2020 05:16

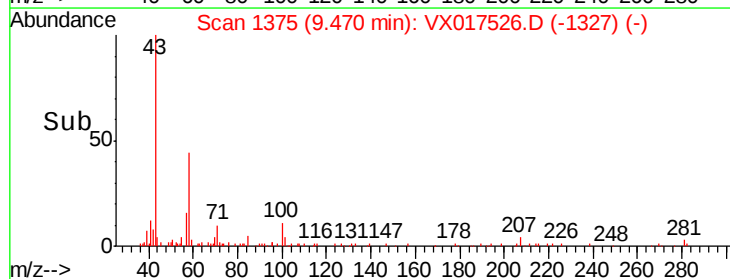
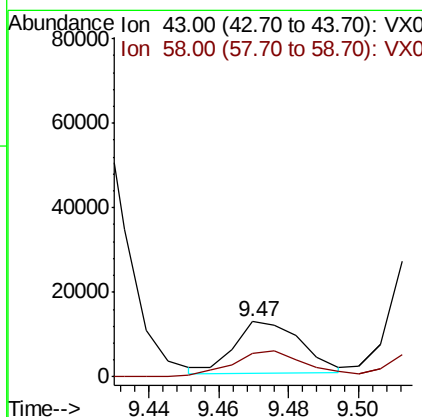
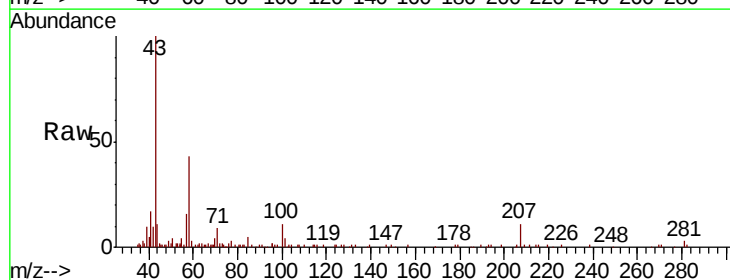
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-241

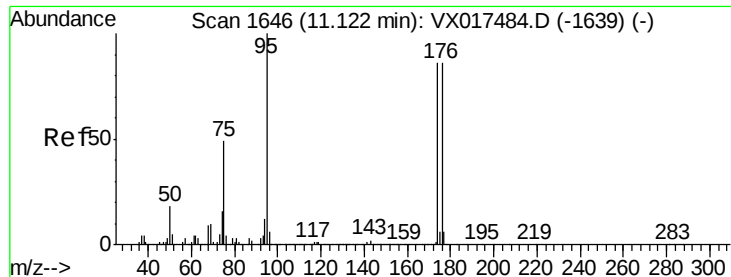
Tot Ion: 75 Resp: 49951
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.5 38.3#
 39 28.9 41.8 62.8#



#59
 2-Hexanone
 Concen: 2.546 ug/l
 RT: 9.47 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VX017526.D
 Acq: 24 Jul 2020 05:16

Tgt Ion: 43 Resp: 16343
 Ion Ratio Lower Upper
 43 100
 58 56.4 26.6 79.8

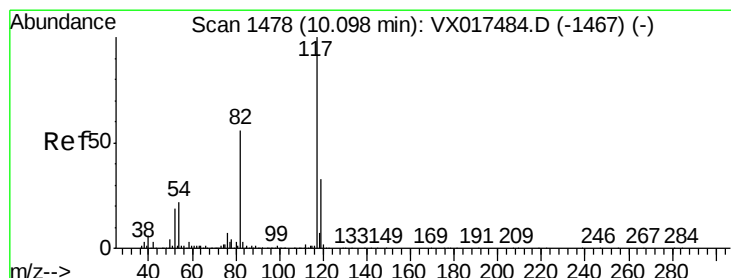
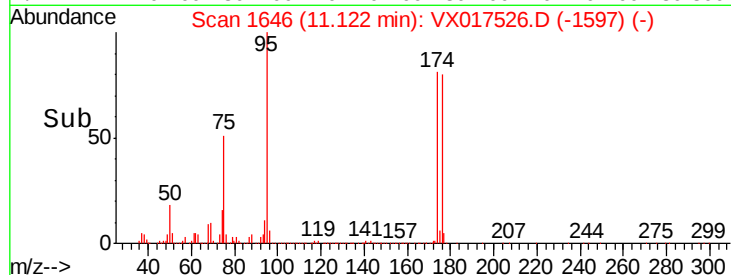
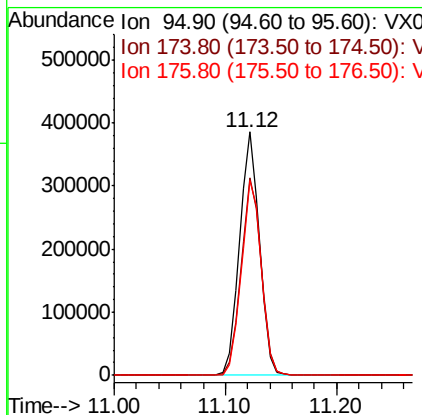
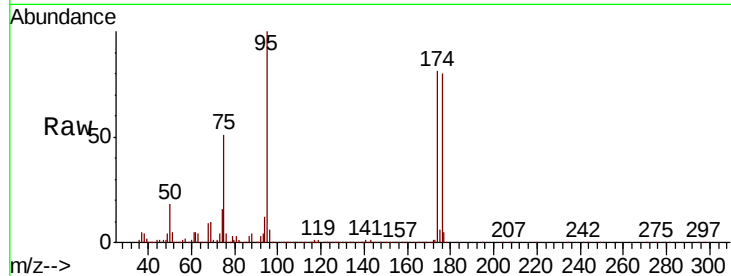




#62
4-Bromofluorobenzene
Concen: 59.582 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

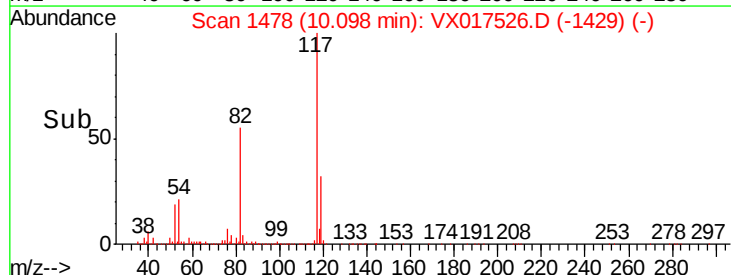
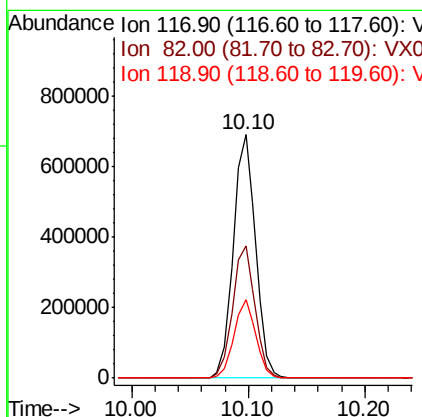
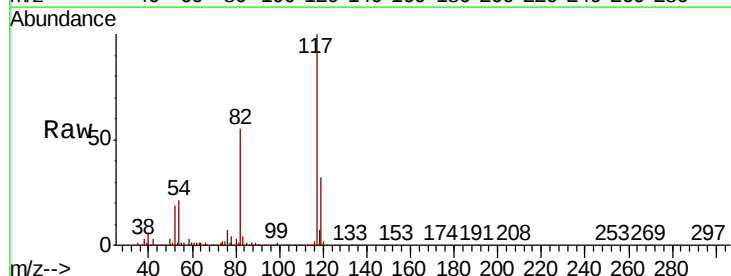
Instrument :
MSVOA_X
ClientSampled :
VNJ-241

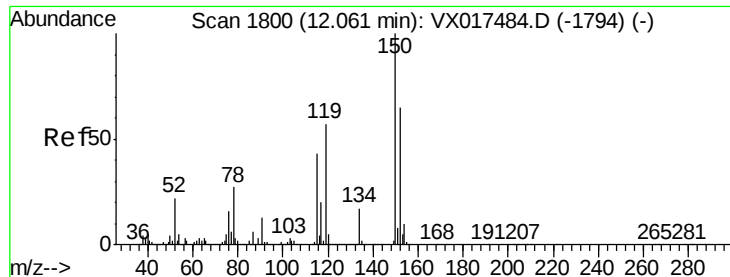
Tot Ion: 95 Resp: 474783
Ion Ratio Lower Upper
95 100
174 82.1 0.0 169.0
176 80.2 0.0 161.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017526.D
Acq: 24 Jul 2020 05:16

Tgt Ion: 117 Resp: 921281
Ion Ratio Lower Upper
117 100
82 54.6 44.0 66.0
119 32.3 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Instrument :

MSVOA_X

ClientSampleId :

VNJ-241

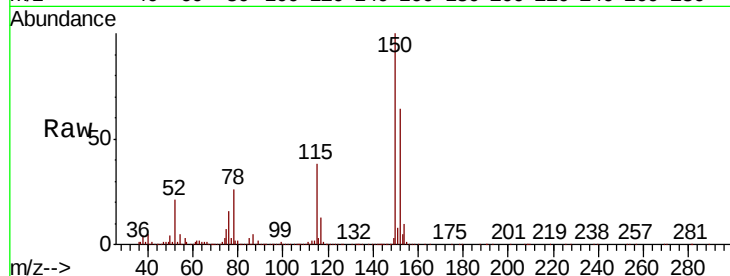
Tot Ion:152 Resp: 480979

Ion Ratio Lower Upper

152 100

115 58.5 65.5 196.6#

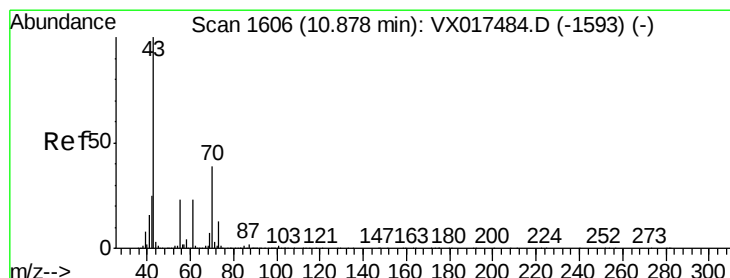
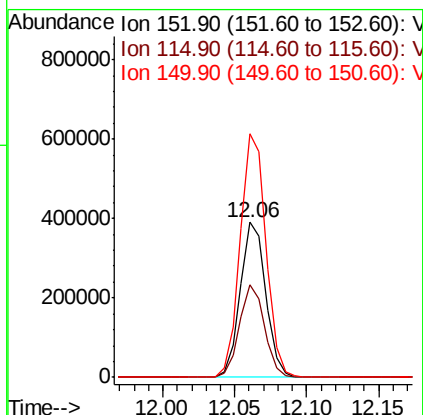
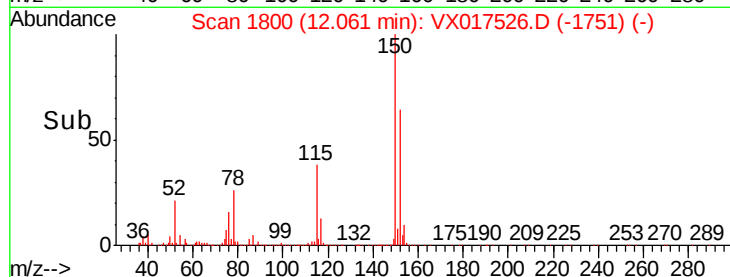
150 158.2 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 0.765 ug/l

RT: 10.80 min Scan# 1594

Delta R.T. -0.07 min

Lab File: VX017526.D

Acq: 24 Jul 2020 05:16

Tgt Ion: 43 Resp: 11209

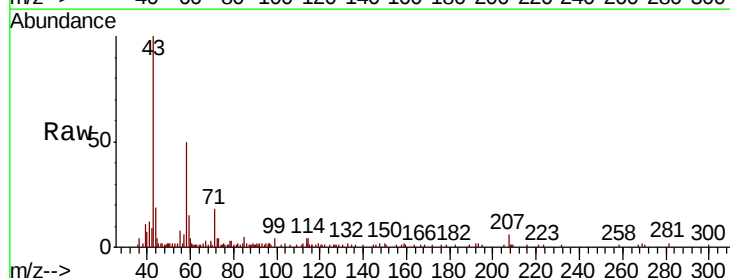
Ion Ratio Lower Upper

43 100

70 1.7 32.3 48.5#

55 21.6 18.4 27.6

61 0.0 18.6 28.0#

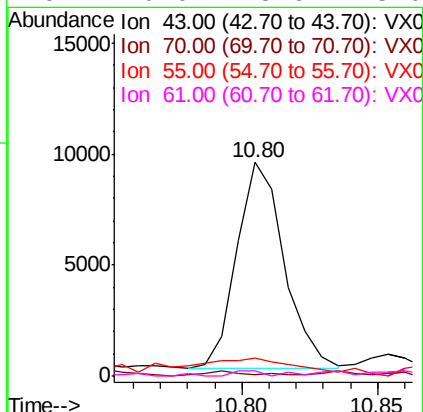
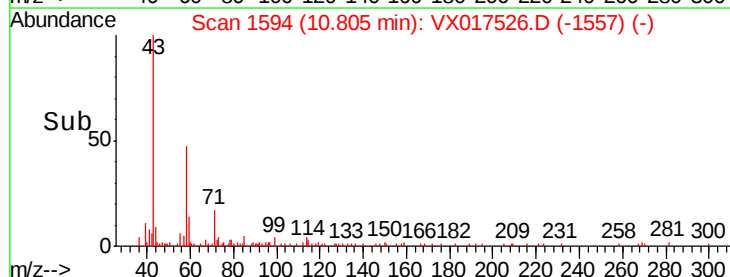


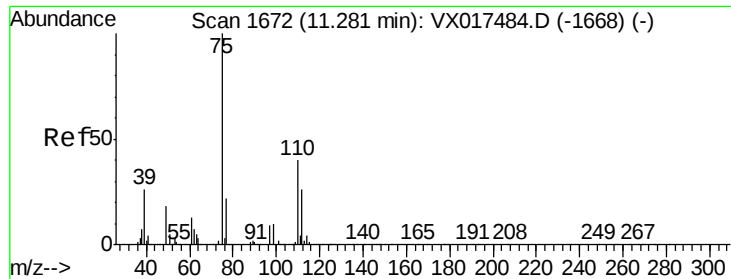
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

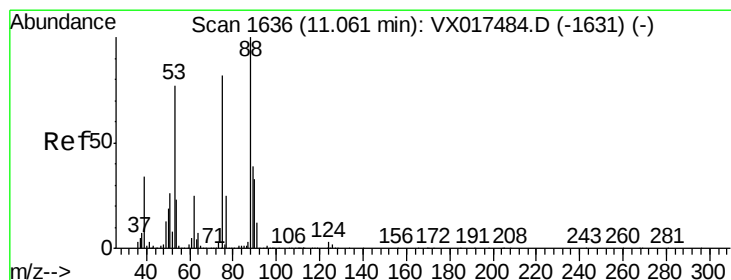
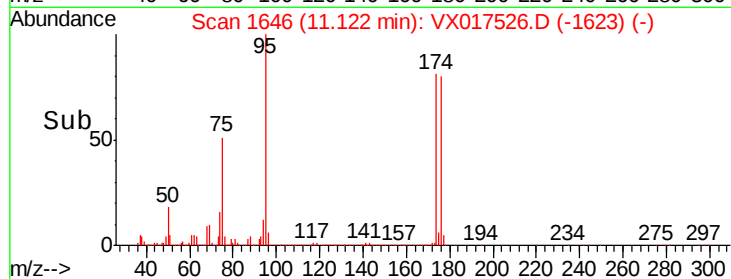
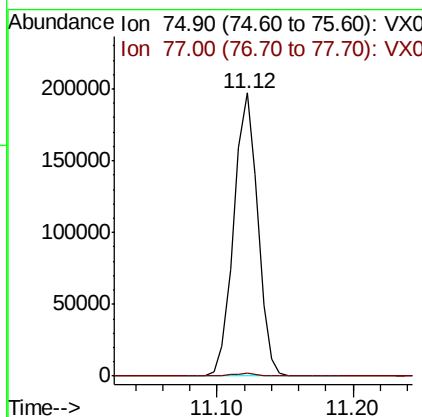
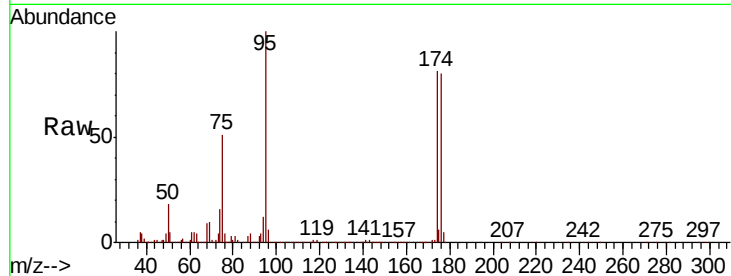




#76
 1,2,3-Trichloropropane
 Concen: 24.411 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017526.D
 Acq: 24 Jul 2020 05:16

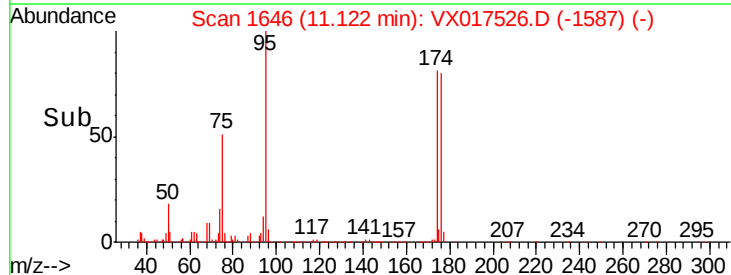
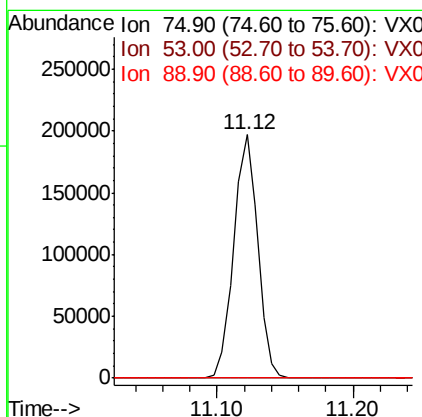
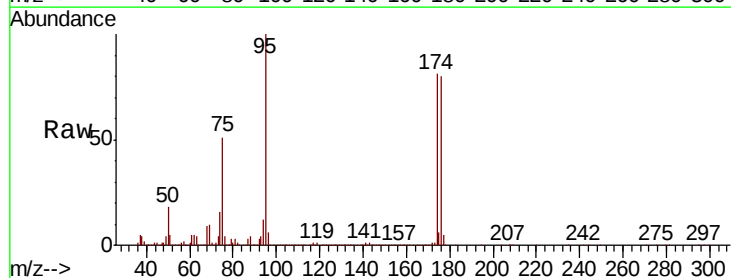
Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-241

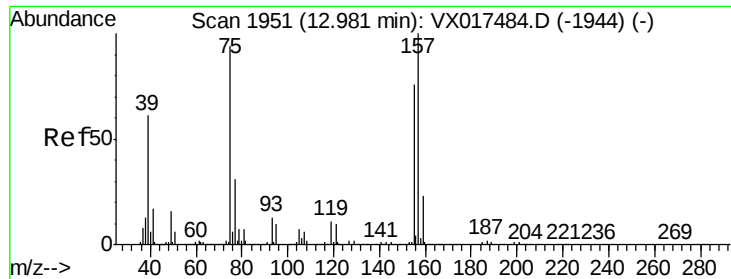
Tot Ion: 75 Resp: 241523
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.8 65.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.511 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017526.D
 Acq: 24 Jul 2020 05:16

Tgt Ion: 75 Resp: 241523
 Ion Ratio Lower Upper
 75 100
 53 0.4 75.9 113.9#
 89 0.0 37.8 56.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.669 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX017526.D
 Acq: 24 Jul 2020 05:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VNJ-241

Tot Ion: 75 Resp: 284
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 0.0 54.3 162.9#

