

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072320\
 Data File : VX017529.D
 Acq On : 24 Jul 2020 06:25
 Operator : JC/SP
 Sample : L3381-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 339-GRID-B3-B4

Quant Time: Jul 24 07:40:09 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	5.64	168	469862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	798675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	888602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	472145	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	334965	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
35) Dibromofluoromethane	5.47	113	275174	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
50) Toluene-d8	8.70	98	1031554	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
62) 4-Bromofluorobenzene	11.12	95	461442	59.84	ug/l	0.00
Spiked Amount			Recovery	=	119.68%	

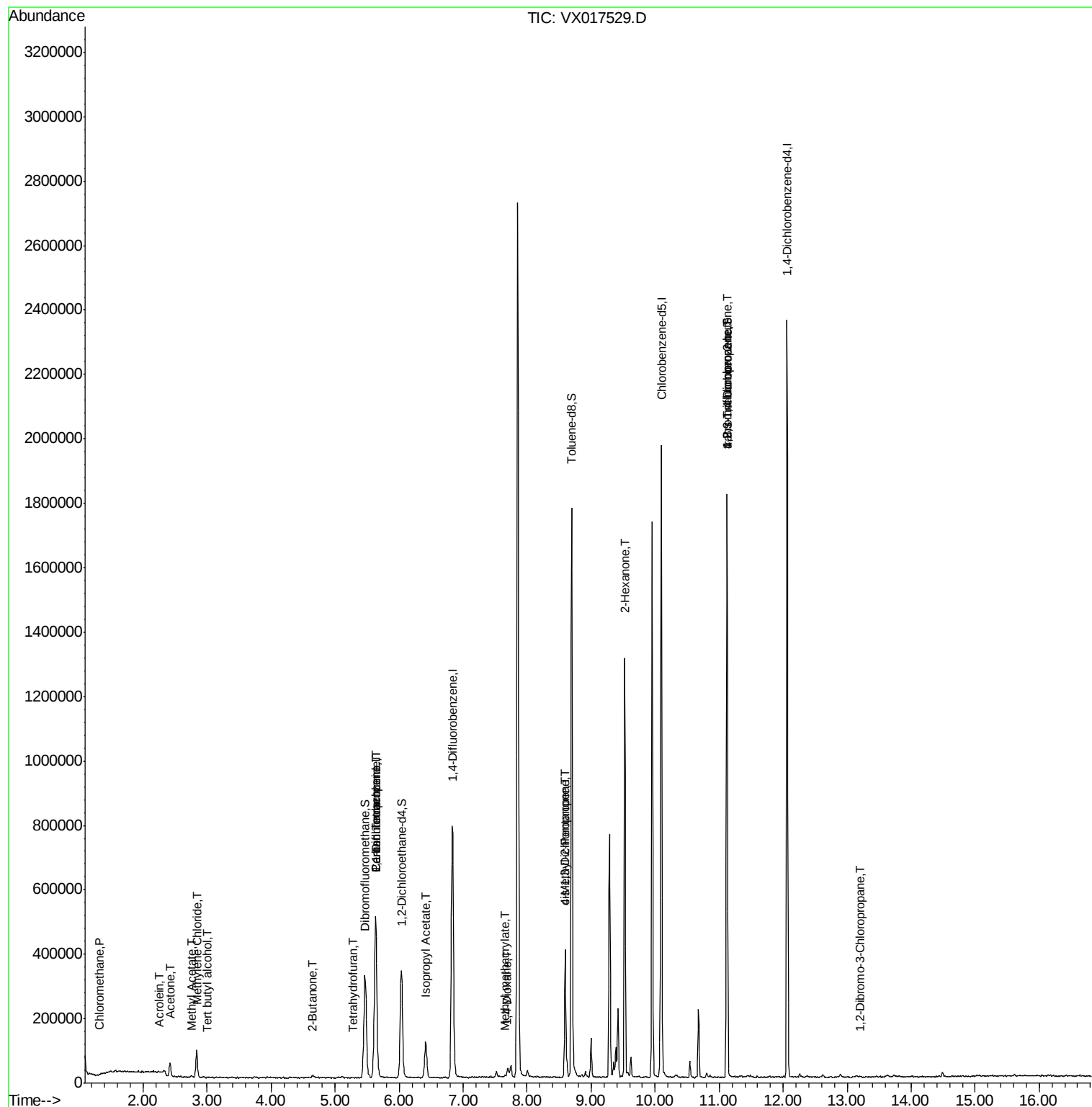
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	158	Below Cal		92
3) Chloromethane	1.32	50	1397	0.606 ug/l #		42
5) Bromomethane	1.63	94	119	Below Cal #		41
6) Chloroethane	1.71	64	297	Below Cal #		44
8) Diethyl Ether	2.32	74	207	Below Cal		62
11) Tert butyl alcohol	3.01	59	838	0.659 ug/l #		12
13) Acrolein	2.26	56	360	4.513 ug/l #		60
16) Acetone	2.42	43	47438	17.858 ug/l		97
18) Methyl Acetate	2.75	43	7955	1.272 ug/l #		80
20) Methylene Chloride	2.83	84	41216	7.137 ug/l		90
25) 2-Butanone	4.64	43	7626	2.021 ug/l #		90
29) Tetrahydrofuran	5.28	42	573	0.245 ug/l		97
36) 1,1-Dichloropropene	5.64	75	34359	4.486 ug/l #		52
38) Carbon Tetrachloride	5.64	117	46651	5.015 ug/l #		17
43) Isopropyl Acetate	6.42	43	151186	10.933 ug/l		100
48) Methyl methacrylate	7.65	41	9079	1.324 ug/l #		18
49) 1,4-Dioxane	7.68	88	215	1.636 ug/l #		1
51) 4-Methyl-2-Pentanone	8.59	43	147530	17.880 ug/l #		48
54) cis-1,3-Dichloropropene	8.59	75	60644	6.135 ug/l #		62
59) 2-Hexanone	9.52	43	148210	23.858 ug/l #		51
76) 1,2,3-Trichloropropane	11.12	75	233687	24.061 ug/l #		34
81) trans-1,4-Dichloro-2-buten	11.12	75	233687	60.629 ug/l #		11
92) 1,2-Dibromo-3-Chloropropan	13.21	75	78	2.603 ug/l		74

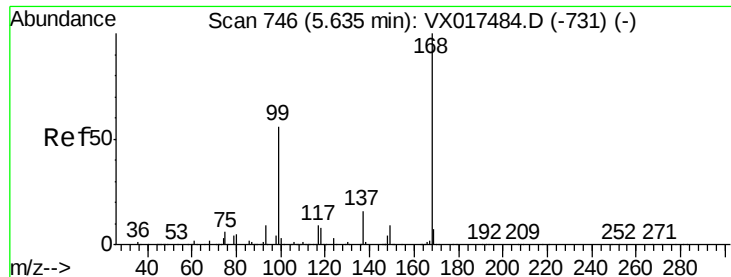
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072320\
Data File : VX017529.D
Acq On : 24 Jul 2020 06:25
Operator : JC/SP
Sample : L3381-15
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 54 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleID :
339-GRID-B3-B4

Quant Time: Jul 24 07:40:09 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

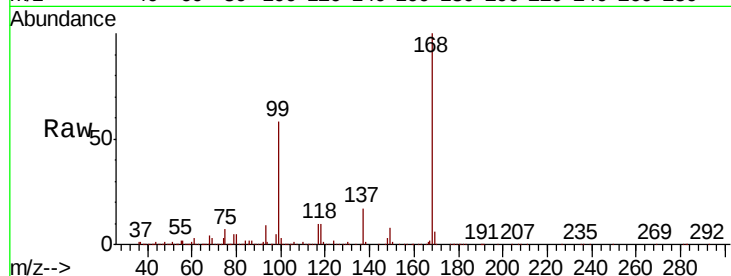
339-GRID-B3-B4

Tot Ion:168 Resp: 469862

Ion Ratio Lower Upper

168 100

99 57.5 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

150000

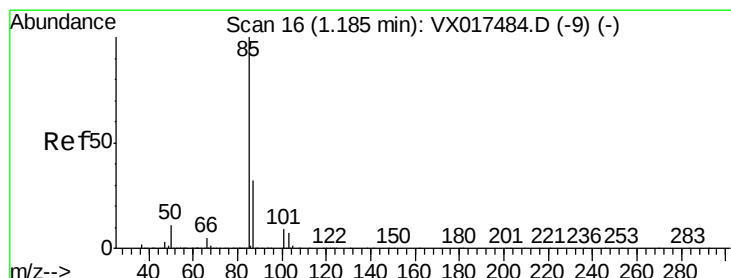
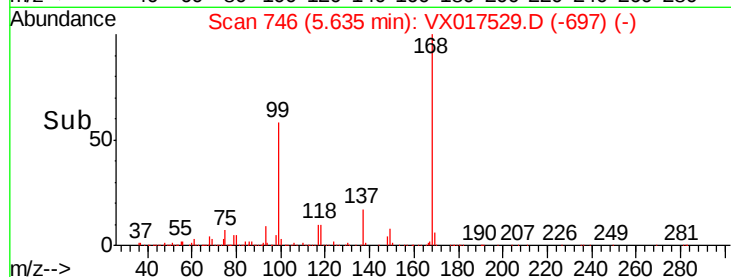
100000

50000

0

Time-->

5.50 5.60 5.70



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 19

Delta R.T. 0.02 min

Lab File: VX017529.D

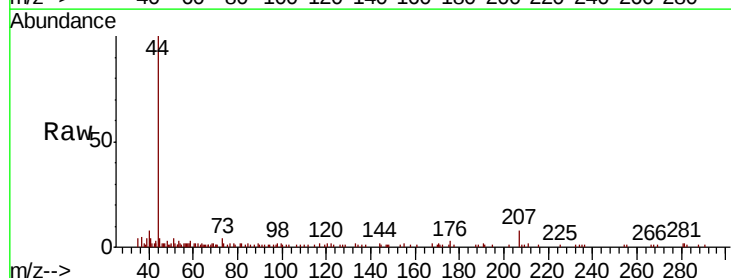
Acq: 24 Jul 2020 06:25

Tgt Ion: 85 Resp: 158

Ion Ratio Lower Upper

85 100

87 36.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

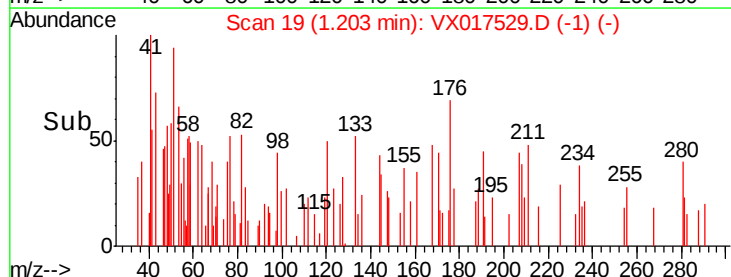
200

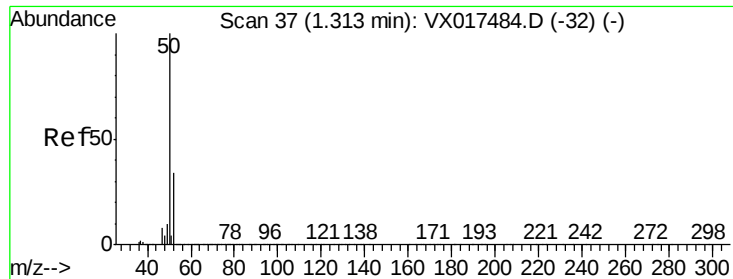
100

0

Time-->

1.18 1.20 1.22





#3

Chloromethane

Concen: 0.606 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

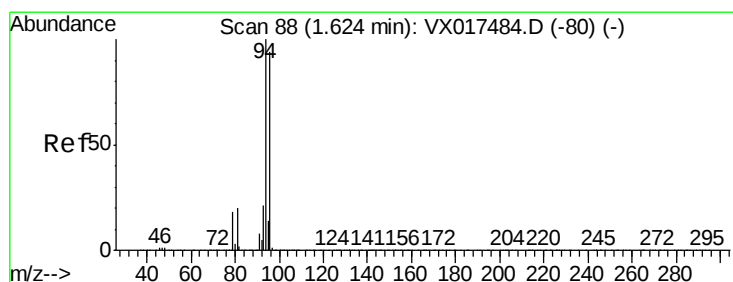
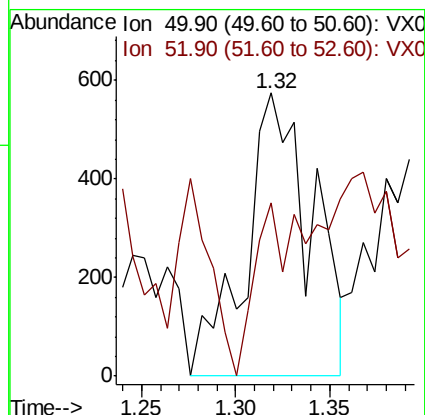
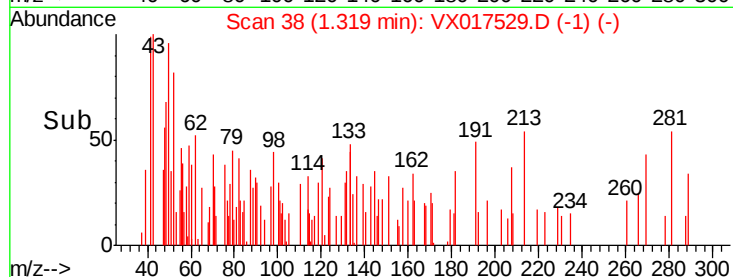
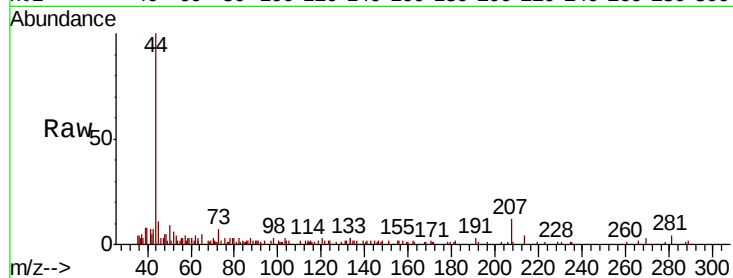
339-GRID-B3-B4

Tot Ion: 50 Resp: 1397

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX017529.D

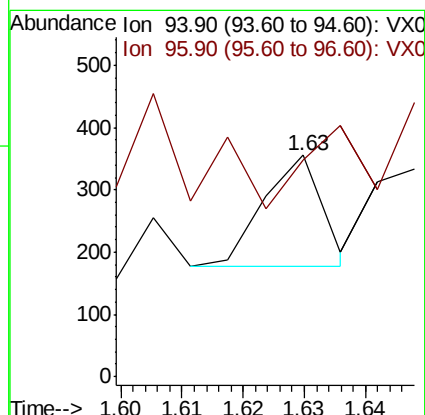
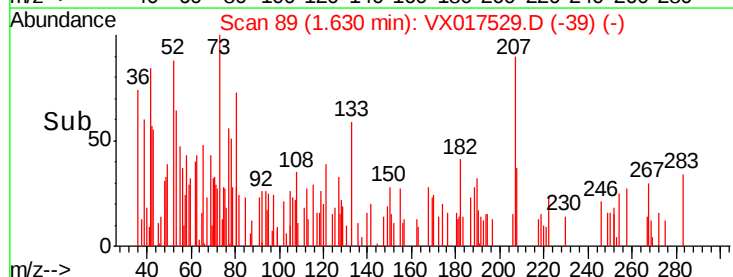
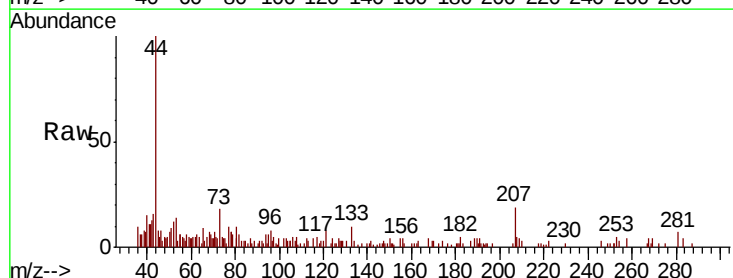
Acq: 24 Jul 2020 06:25

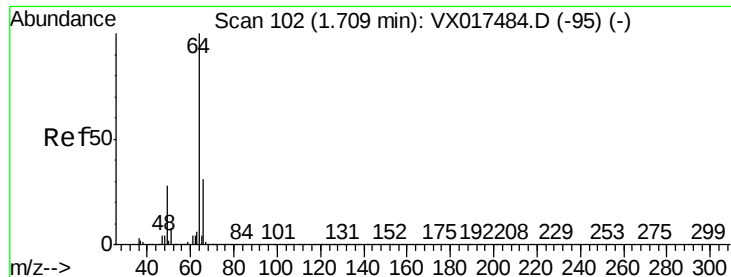
Tgt Ion: 94 Resp: 119

Ion Ratio Lower Upper

94 100

96 36.0 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

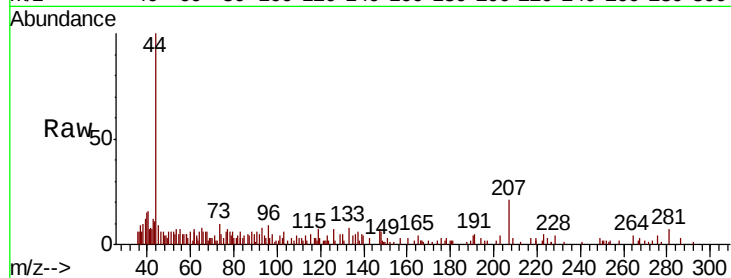
339-GRID-B3-B4

Tot Ion: 64 Resp: 297

Ion Ratio Lower Upper

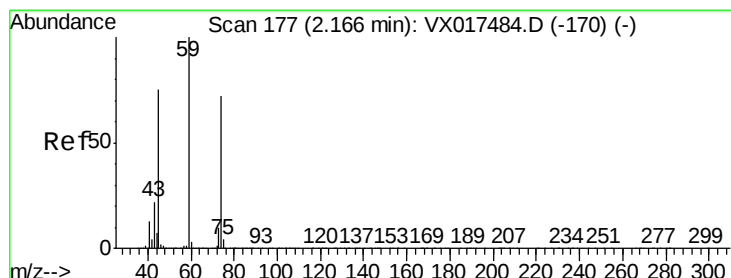
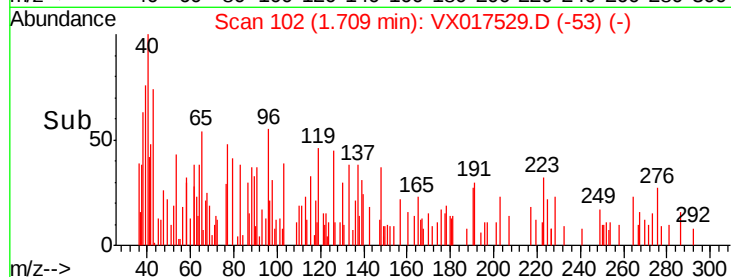
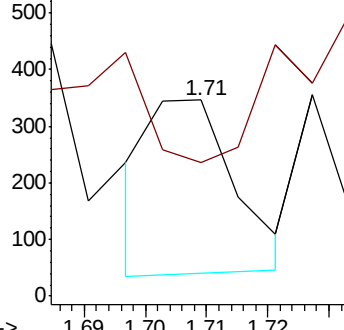
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.32 min Scan# 203

Delta R.T. 0.16 min

Lab File: VX017529.D

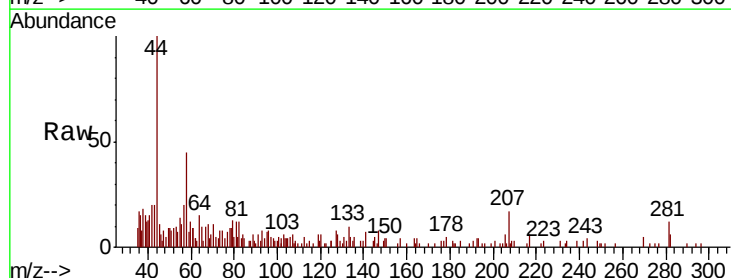
Acq: 24 Jul 2020 06:25

Tgt Ion: 74 Resp: 207

Ion Ratio Lower Upper

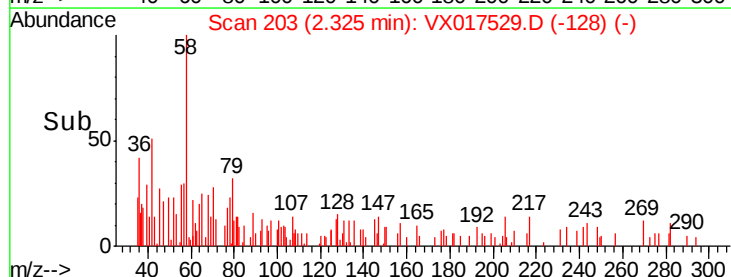
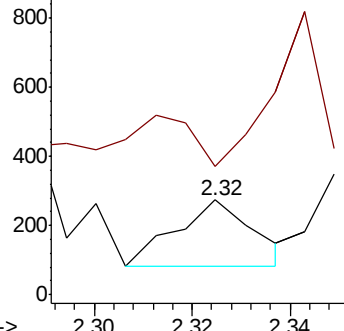
74 100

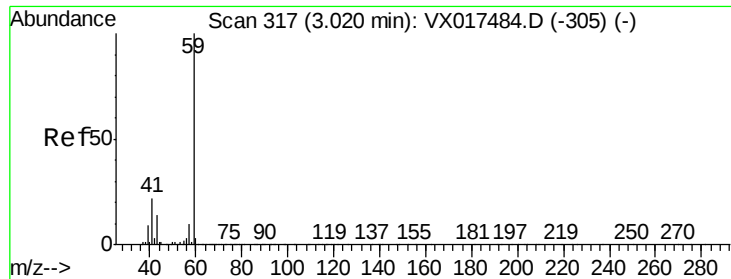
45 63.3 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



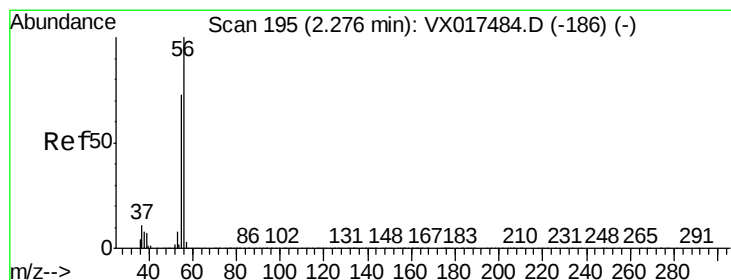
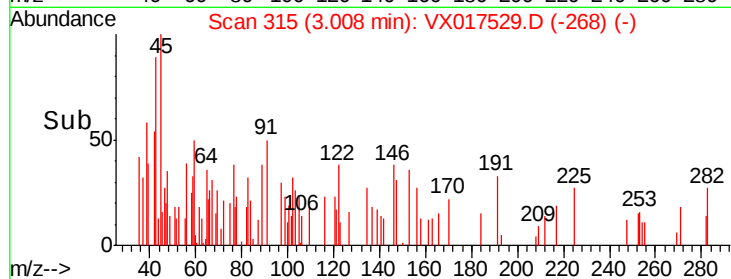
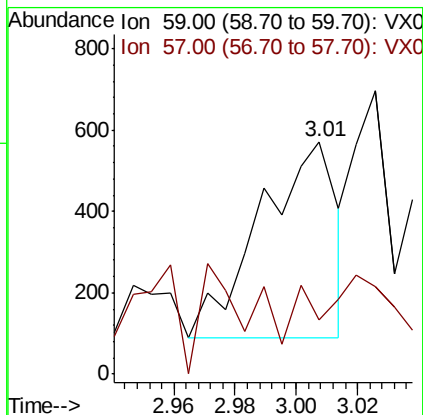
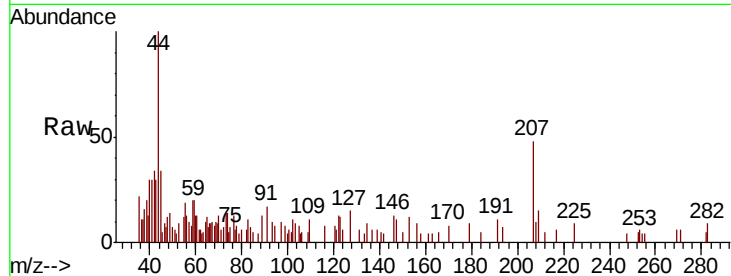


#11

Tert butyl alcohol
Concen: 0.659 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Instrument :
MSVOA_X
ClientSampleId :
339-GRID-B3-B4

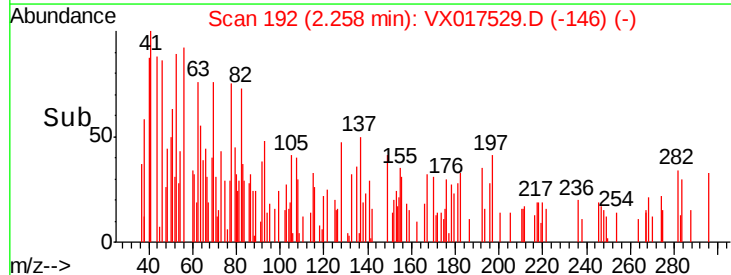
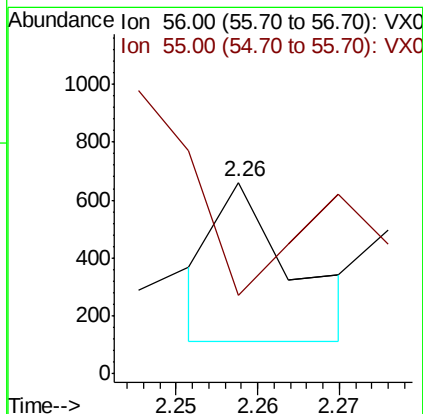
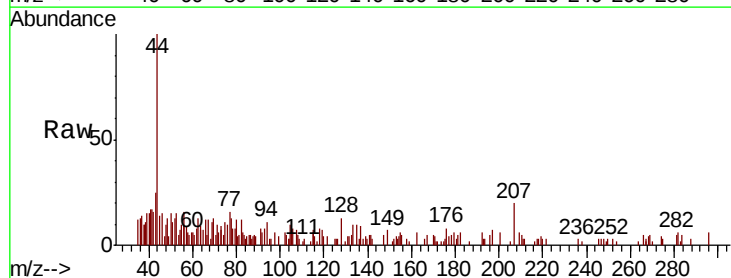
Tot Ion: 59 Resp: 838
Ion Ratio Lower Upper
59 100
57 44.0 8.6 12.8#

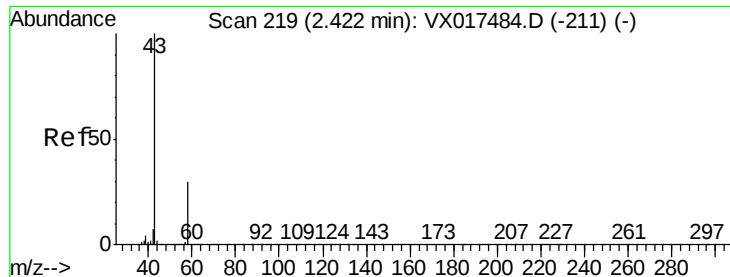


#13

Acrolein
Concen: 4.513 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Tgt Ion: 56 Resp: 360
Ion Ratio Lower Upper
56 100
55 38.9 57.4 86.2#





#16

Acetone

Concen: 17.858 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

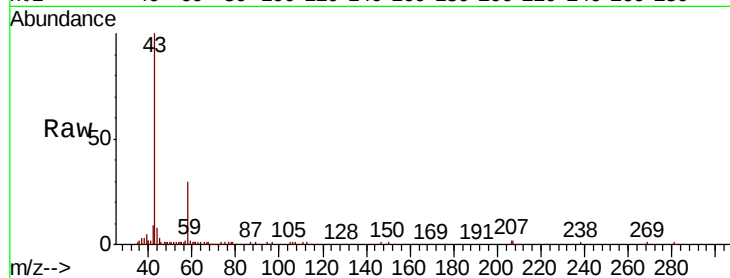
339-GRID-B3-B4

Tot Ion: 43 Resp: 47438

Ion Ratio Lower Upper

43 100

58 28.6 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

30000

25000

20000

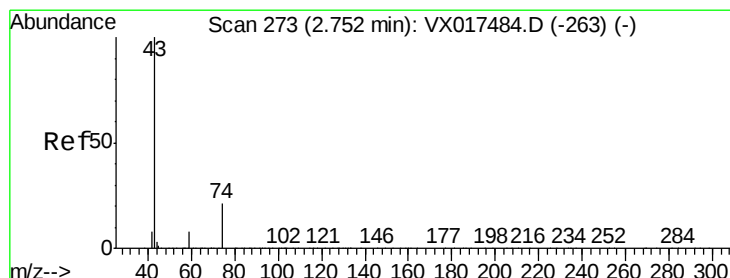
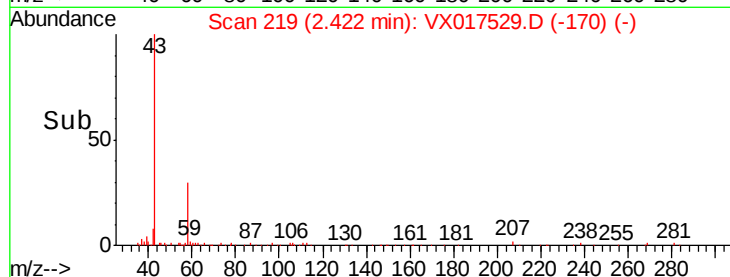
15000

10000

5000

0

Time-->



#18

Methyl Acetate

Concen: 1.272 ug/l

RT: 2.75 min Scan# 273

Delta R.T. -0.00 min

Lab File: VX017529.D

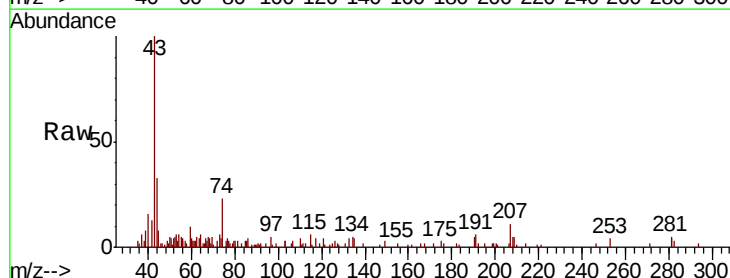
Acq: 24 Jul 2020 06:25

Tgt Ion: 43 Resp: 7955

Ion Ratio Lower Upper

43 100

74 31.6 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.75

4000

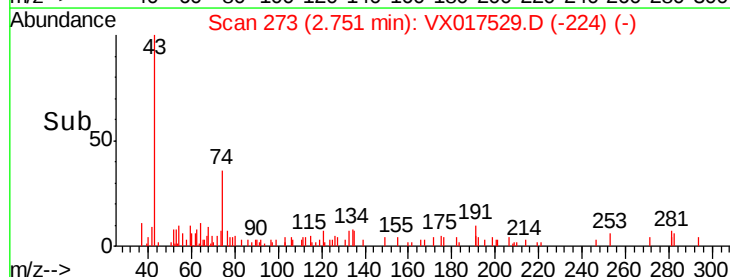
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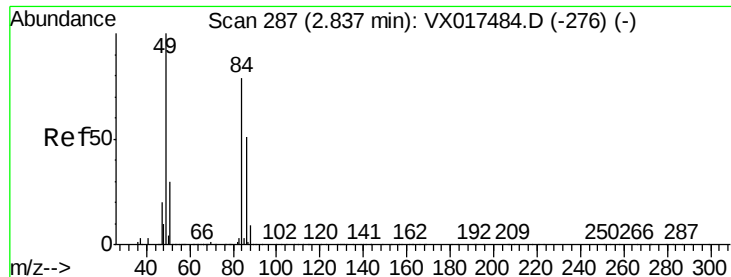
2000

1000

0

Time-->

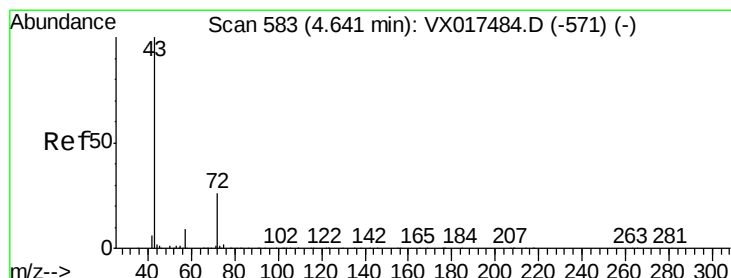
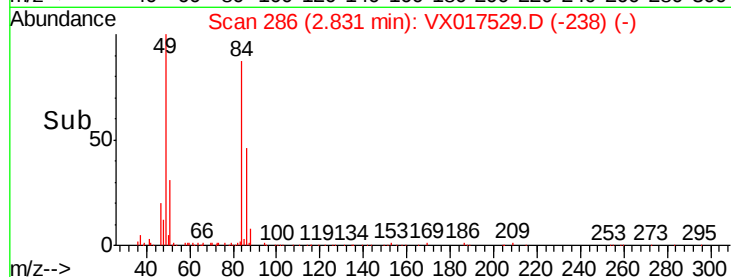
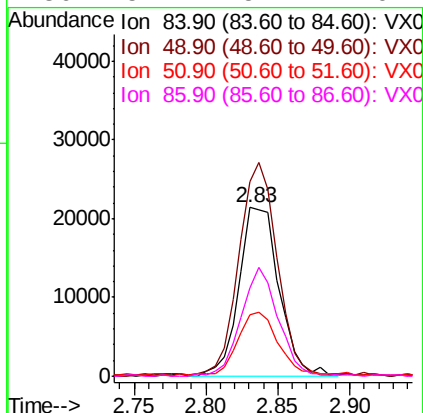
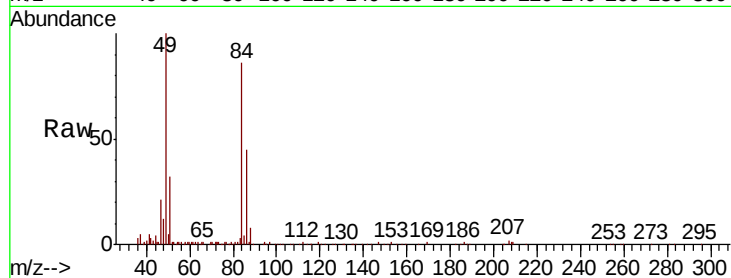




#20
Methvlene Chloride
Concen: 7.137 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

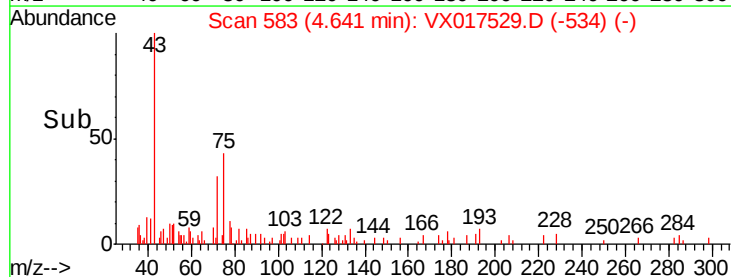
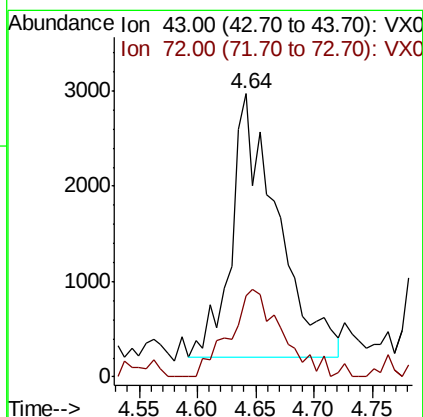
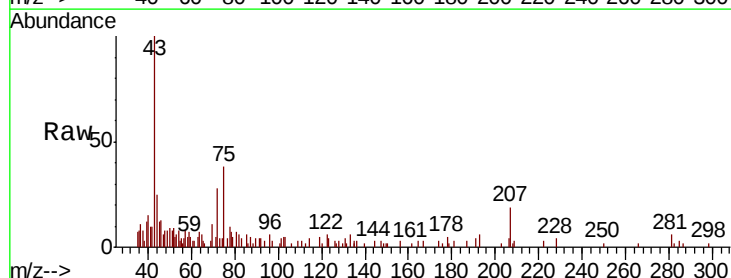
Instrument :
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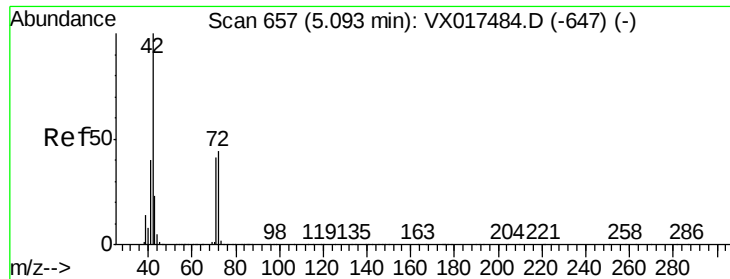
Tot Ion: 84 Resp: 41216
Ion Ratio Lower Upper
84 100
49 115.2 100.3 150.5
51 35.7 30.5 45.7
86 52.7 51.1 76.7



#25
2-Butanone
Concen: 2.021 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.00 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Tgt Ion: 43 Resp: 7626
Ion Ratio Lower Upper
43 100
72 28.8 19.0 28.4#





#29

Tetrahydrofuran

Concen: 0.245 ug/l

RT: 5.28 min Scan# 688

Delta R.T. 0.19 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

339-GRID-B3-B4

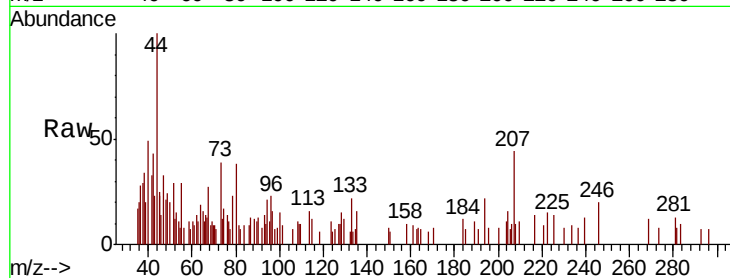
Tot Ion: 42 Resp: 573

Ion Ratio Lower Upper

42 100

72 43.5 35.5 53.3

71 44.5 33.0 49.4



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

800

600

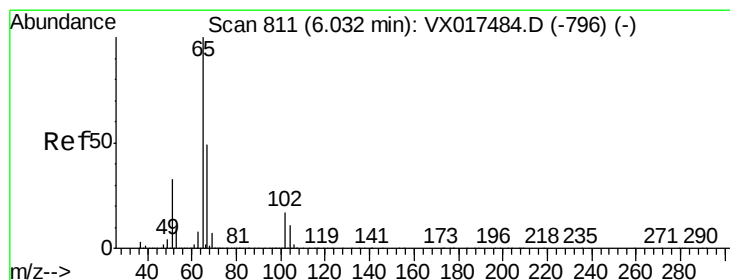
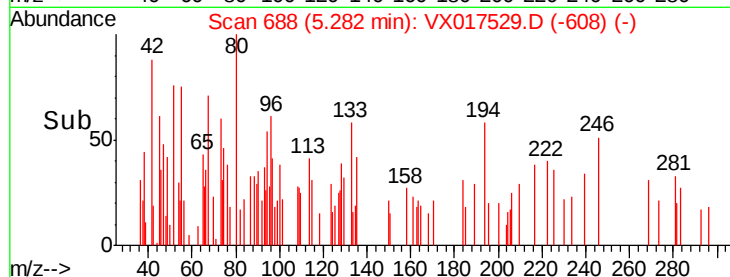
400

200

0

5.24 5.26 5.28 5.30

Time-->



#33

1,2-Dichloroethane-d4

Concen: 55.498 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017529.D

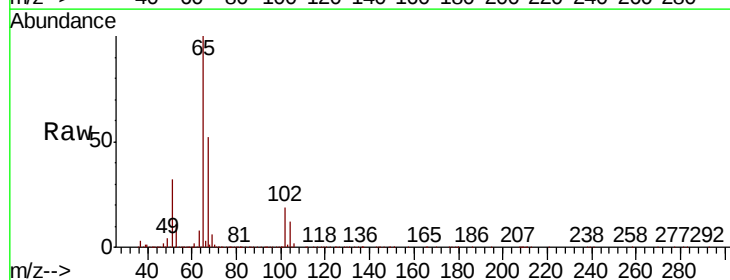
Acq: 24 Jul 2020 06:25

Tgt Ion: 65 Resp: 334965

Ion Ratio Lower Upper

65 100

67 52.5 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

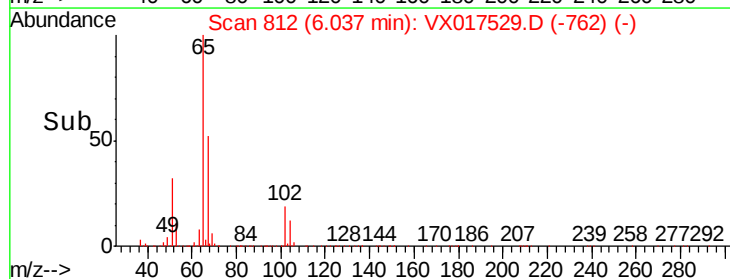
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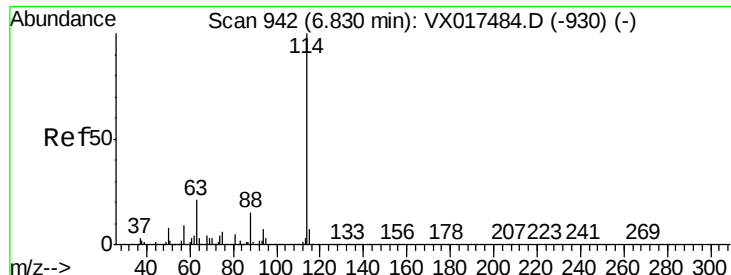
50000

0

5.90 6.00 6.10 6.20

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

339-GRID-B3-B4

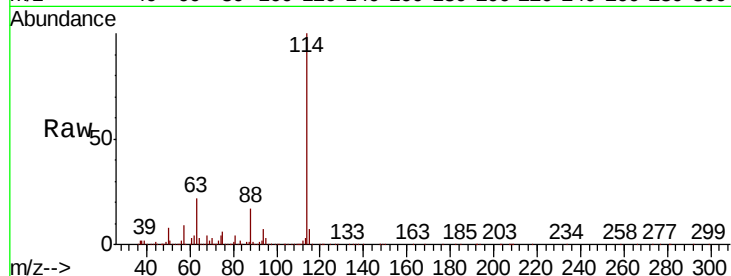
Tot Ion:114 Resp: 798675

Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.6

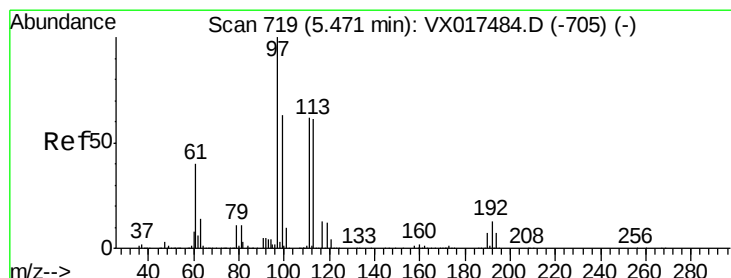
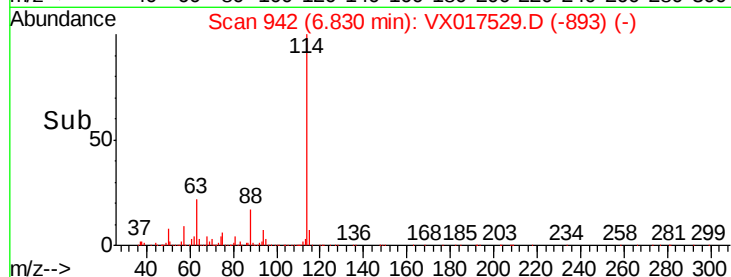
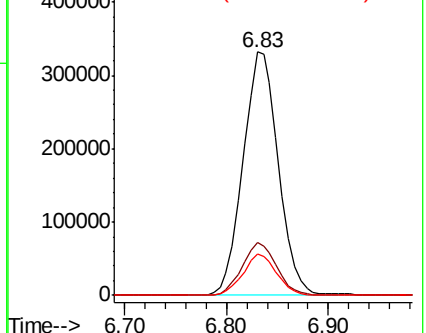
88 16.8 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 51.515 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

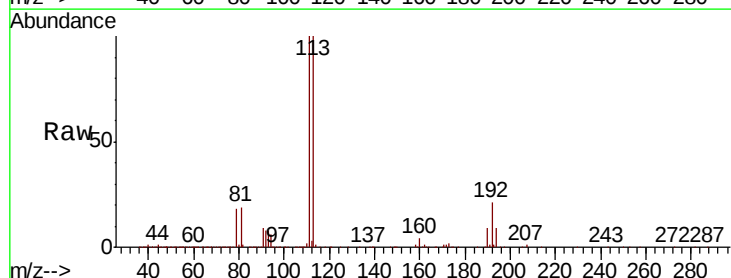
Tgt Ion:113 Resp: 275174

Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

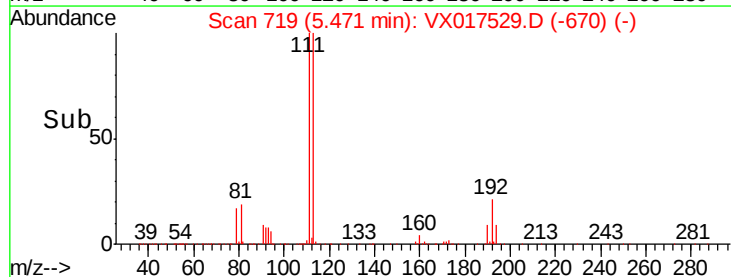
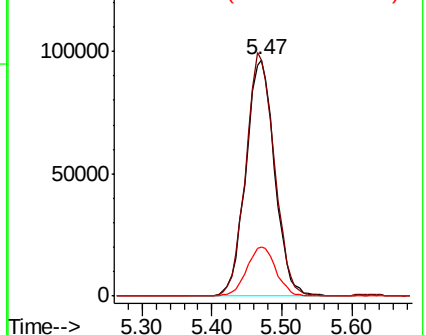
192 21.1 16.9 25.3

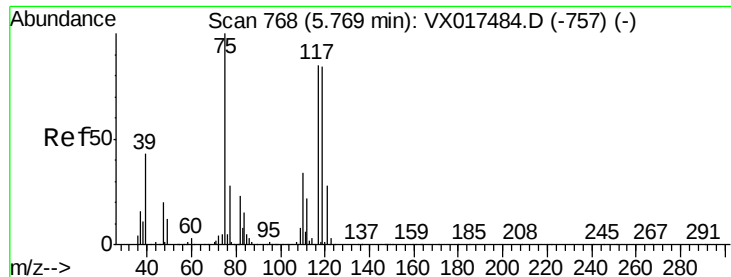


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.486 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

339-GRID-B3-B4

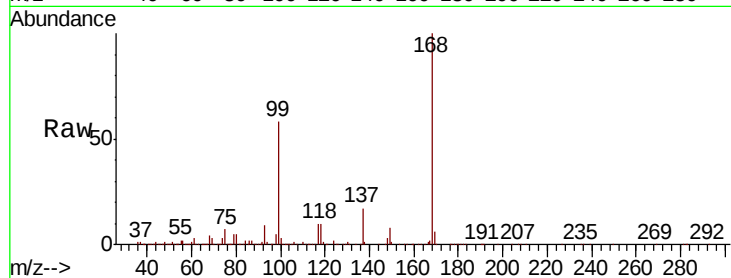
Tot Ion: 75 Resp: 34359

Ion Ratio Lower Upper

75 100

110 11.4 18.1 54.3#

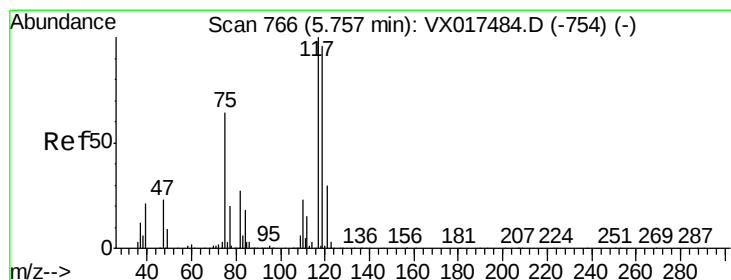
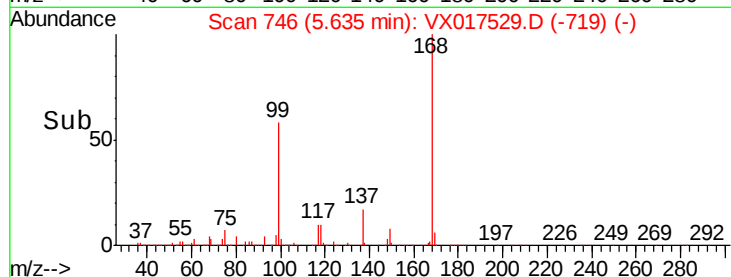
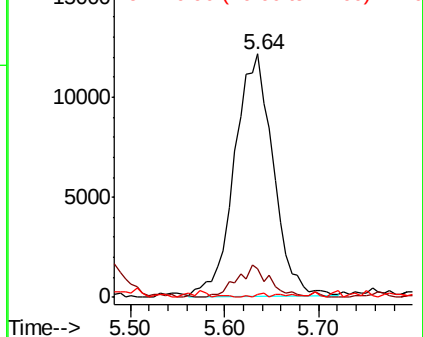
77 0.5 24.6 37.0#



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: 5.015 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

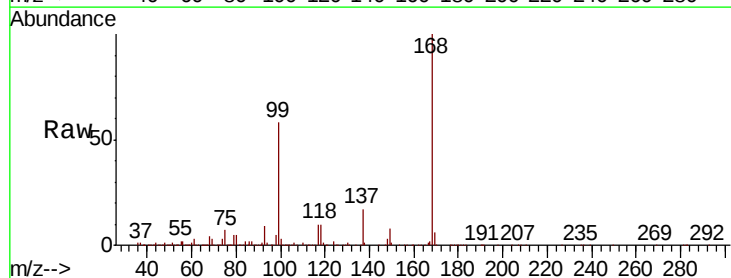
Tgt Ion:117 Resp: 46651

Ion Ratio Lower Upper

117 100

119 5.4 75.4 113.0#

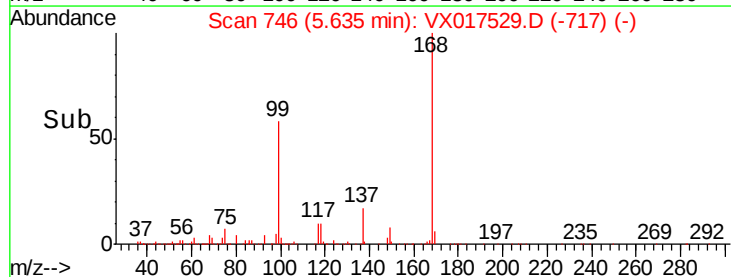
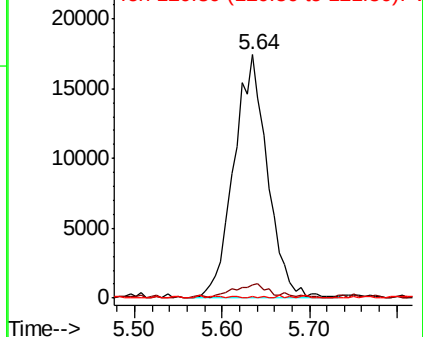
121 0.8 24.3 36.5#

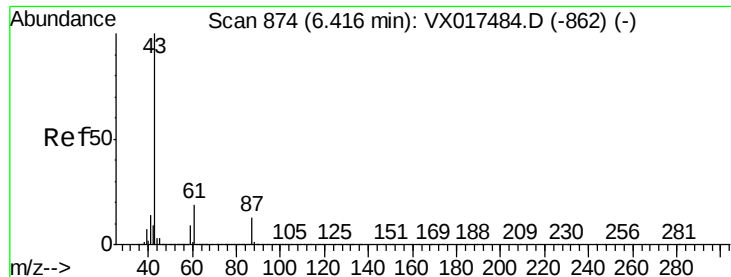


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



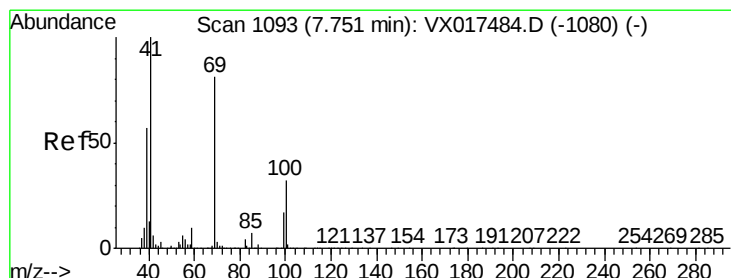
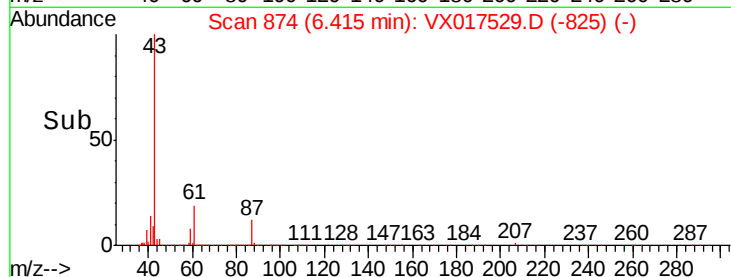
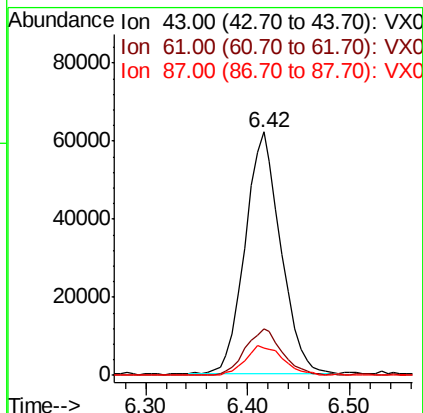
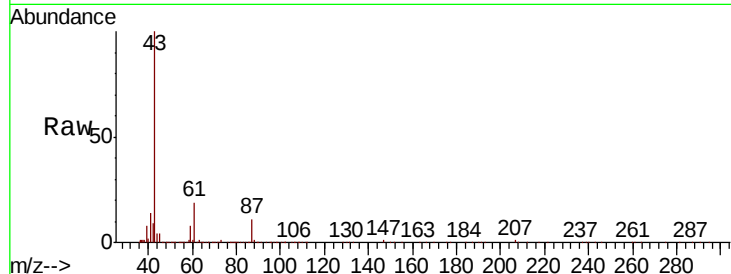


#43

Isopropyl Acetate
 Concen: 10.933 ug/l
 RT: 6.42 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VX017529.D
 Acq: 24 Jul 2020 06:25

Instrument :
 MSVOA_X
 ClientSampleId :
 339-GRID-B3-B4

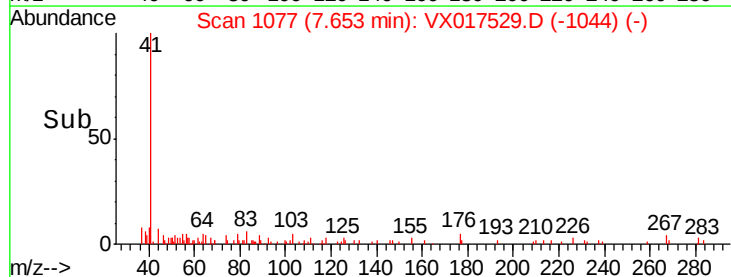
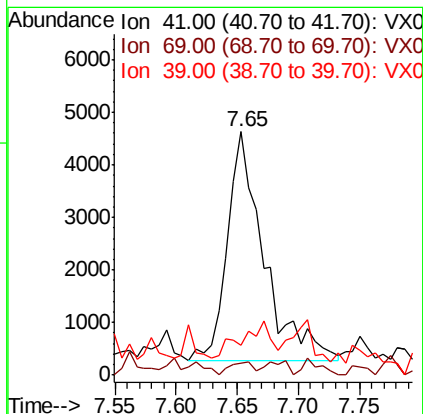
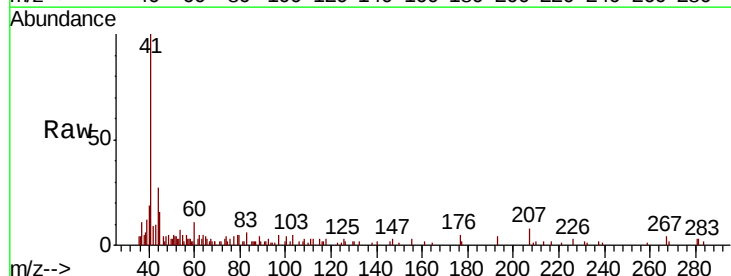
Tot Ion	43	Resp	151186
Ion Ratio	Lower	Upper	
43	100		
61	19.3	15.5	23.3
87	13.2	10.5	15.7

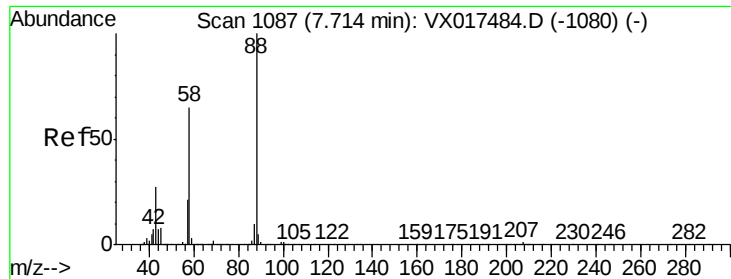


#48

Methyl methacrylate
 Concen: 1.324 ug/l
 RT: 7.65 min Scan# 1077
 Delta R.T. -0.10 min
 Lab File: VX017529.D
 Acq: 24 Jul 2020 06:25

Tgt Ion	41	Resp	9079
Ion Ratio	Lower	Upper	
41	100		
69	3.6	63.1	94.7#
39	0.0	45.1	67.7#

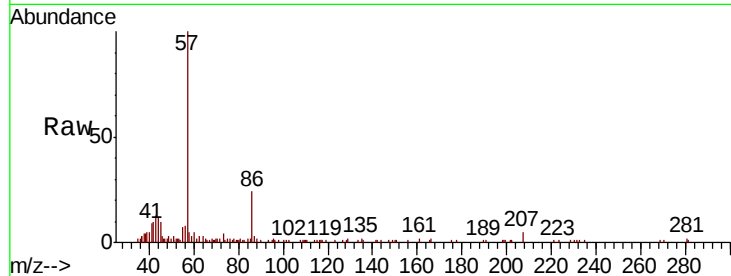




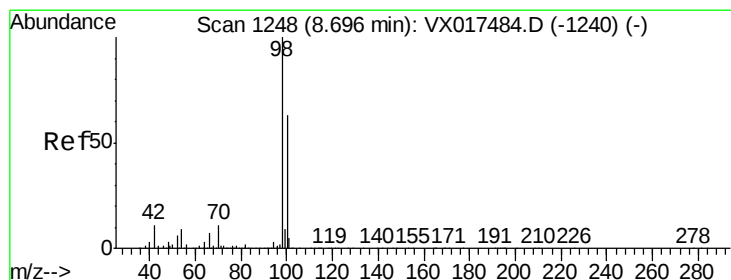
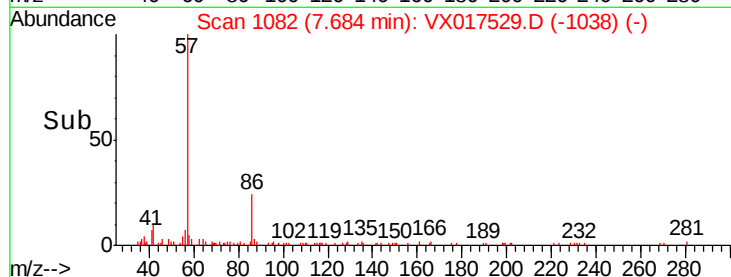
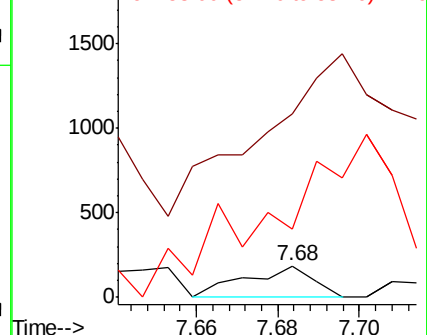
#49
1,4-Dioxane
Concen: 1.636 ug/l
RT: 7.68 min Scan# 1082
Delta R.T. -0.03 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Instrument :
MSVOA_X
ClientSampleId :
339-GRID-B3-B4

Tot Ion: 88 Resp: 215
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 993.0 58.3 87.5#

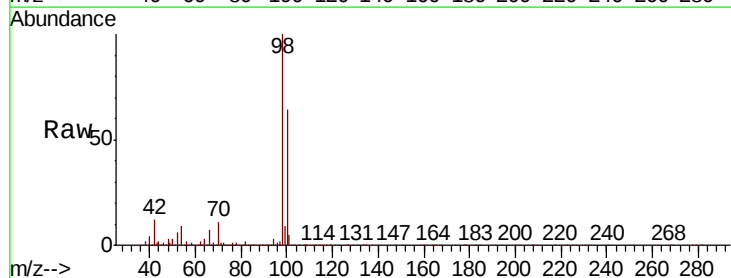


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

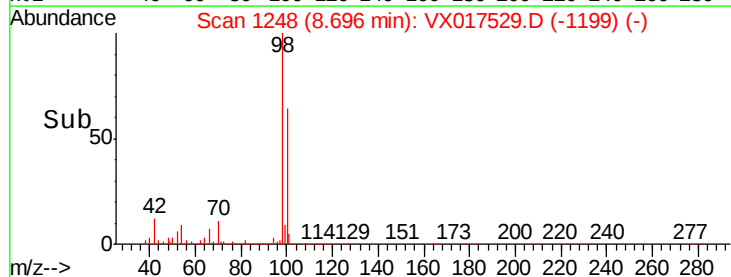
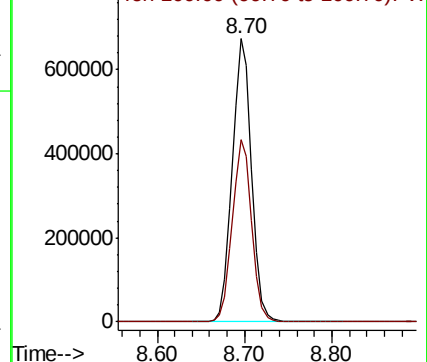


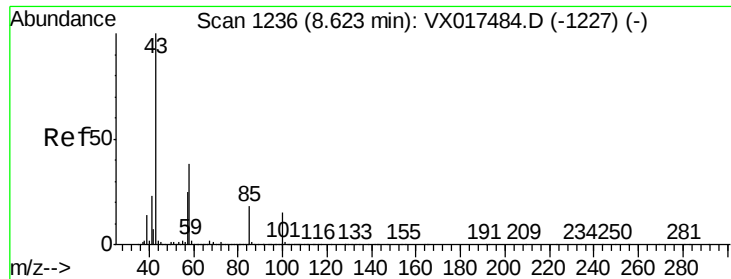
#50
Toluene-d8
Concen: 53.533 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Tgt Ion: 98 Resp: 1031554
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V

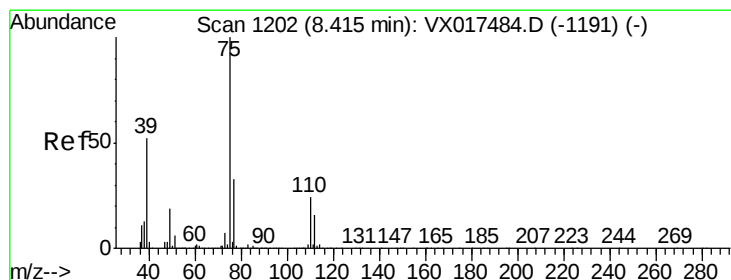
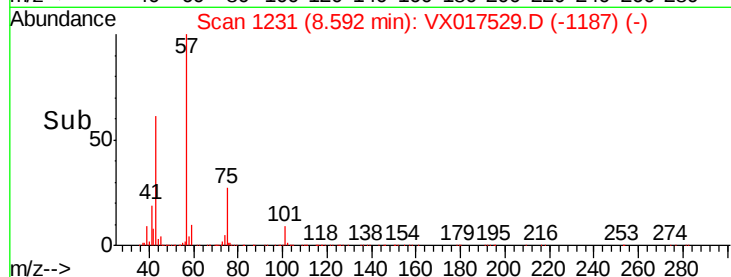
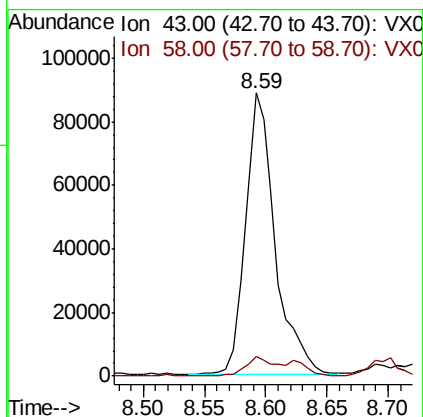
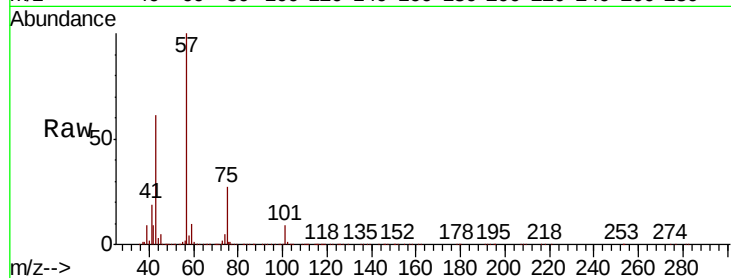




#51
 4-Methyl-2-Pentanone
 Concen: 17.880 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. -0.03 min
 Lab File: VX017529.D
 Acq: 24 Jul 2020 06:25

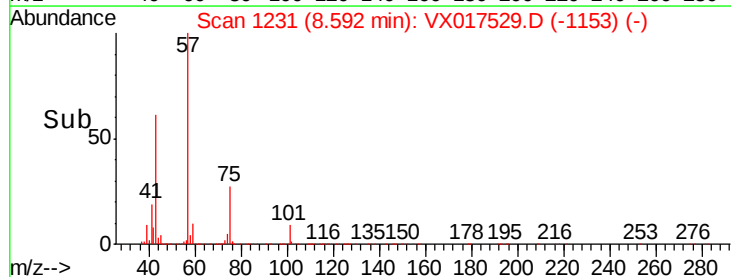
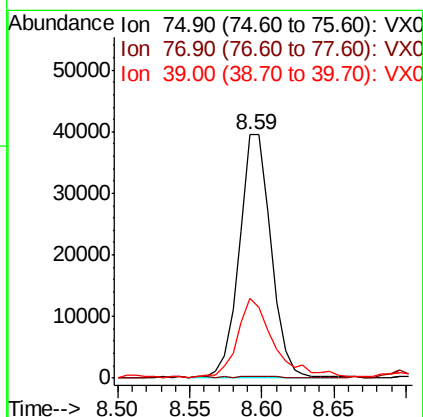
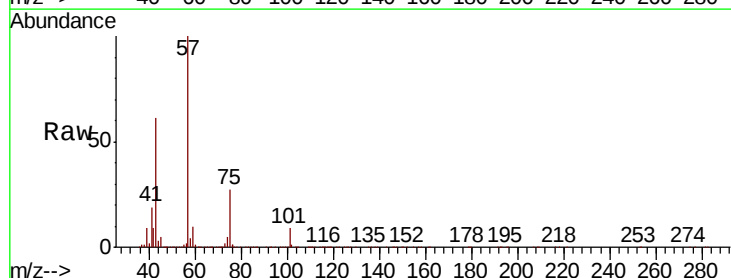
Instrument :
 MSVOA_X
 ClientSampleId :
 339-GRID-B3-B4

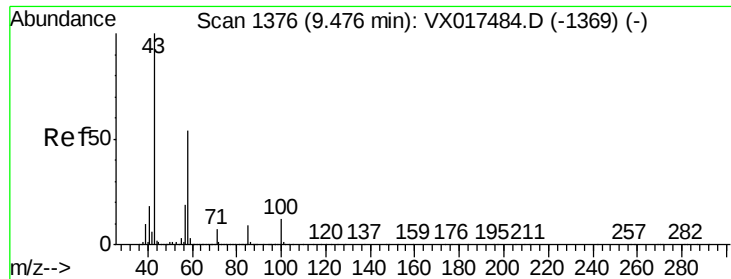
Tot Ion: 43 Resp: 147530
 Ion Ratio Lower Upper
 43 100
 58 7.3 31.0 46.4#



#54
 cis-1,3-Dichloropropene
 Concen: 6.135 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017529.D
 Acq: 24 Jul 2020 06:25

Tgt Ion: 75 Resp: 60644
 Ion Ratio Lower Upper
 75 100
 77 0.9 25.5 38.3#
 39 32.5 41.8 62.8#

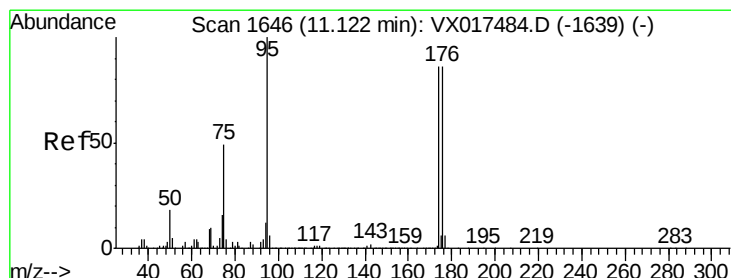
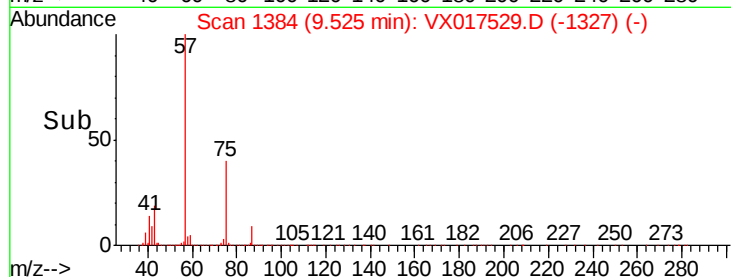
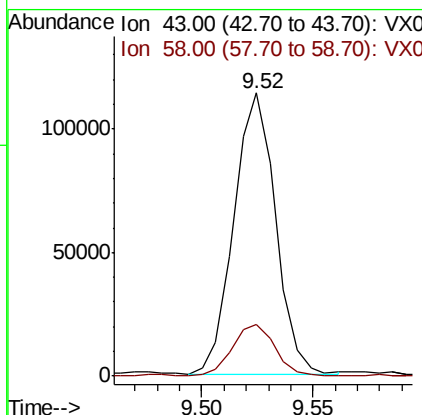
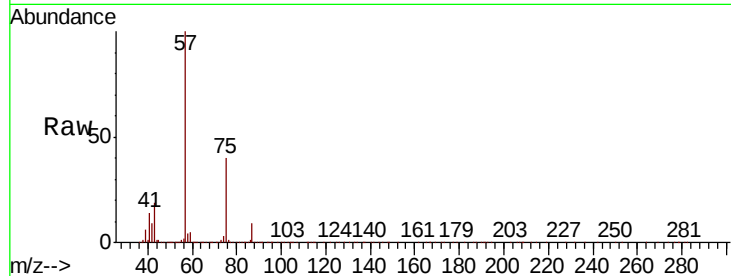




#59
2-Hexanone
Concen: 23.858 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

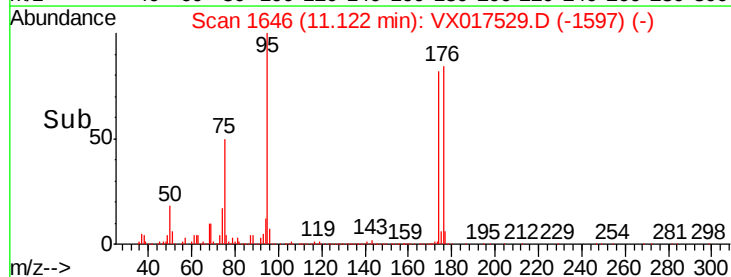
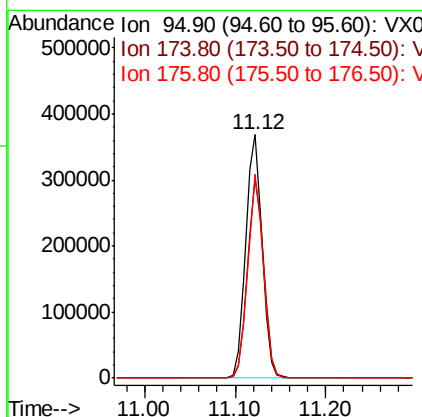
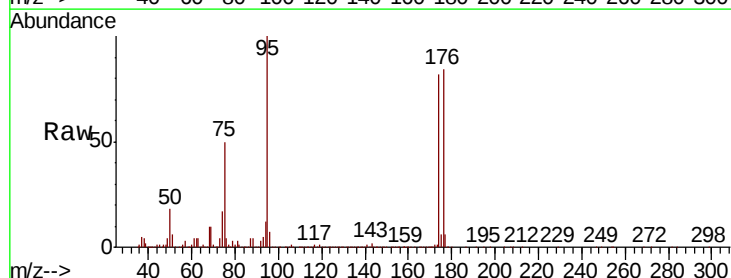
Instrument :
MSVOA_X
ClientSampled :
339-GRID-B3-B4

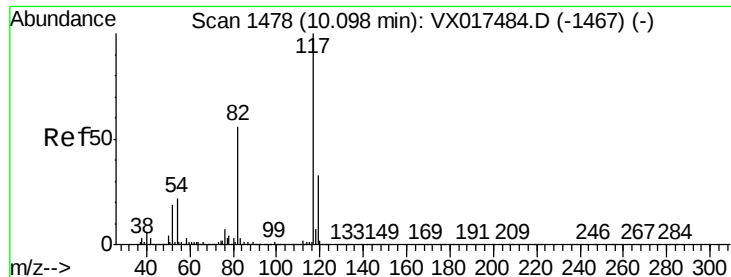
Tot Ion: 43 Resp: 148210
Ion Ratio Lower Upper
43 100
58 18.3 26.6 79.8#



#62
4-Bromofluorobenzene
Concen: 59.836 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Tgt Ion: 95 Resp: 461442
Ion Ratio Lower Upper
95 100
174 81.7 0.0 169.0
176 79.8 0.0 161.0

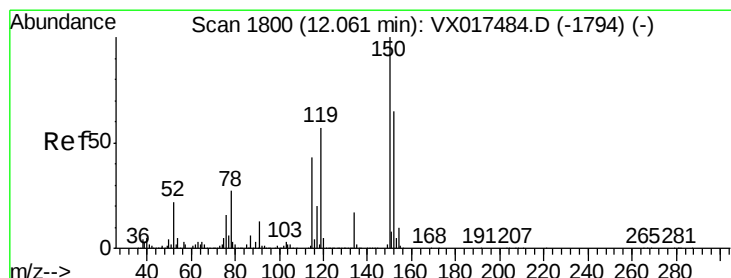
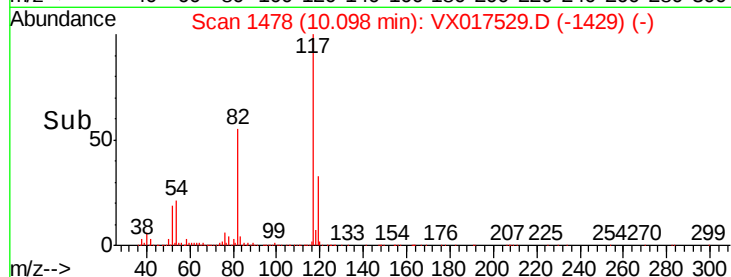
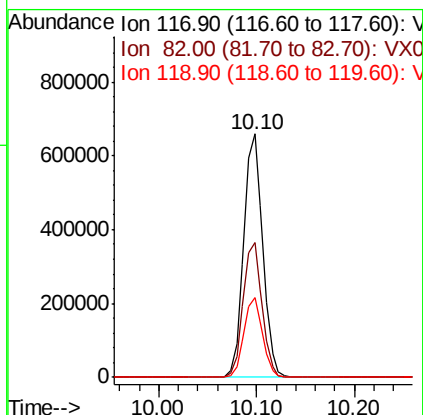
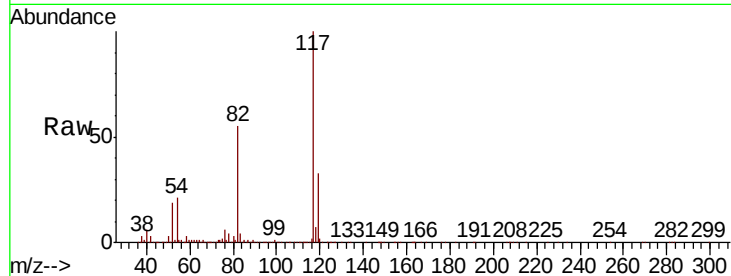




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

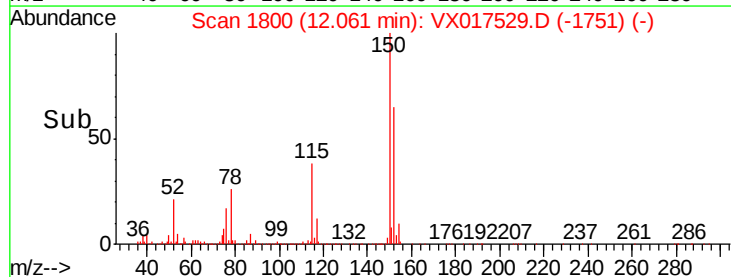
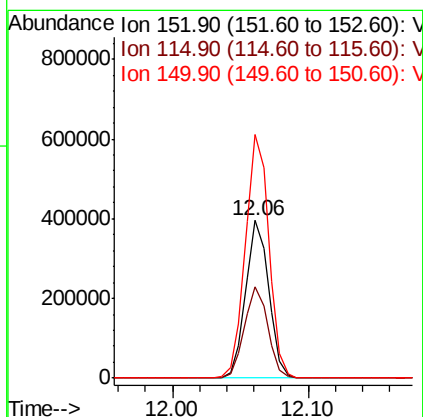
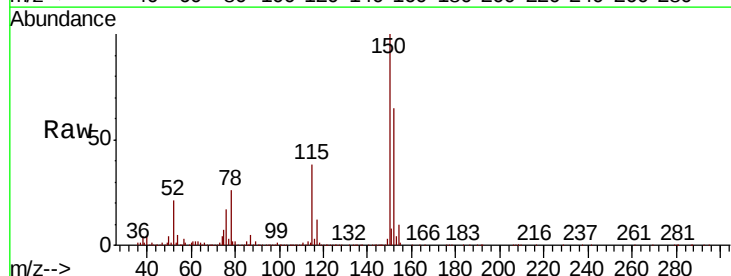
Instrument :
MSVOA_X
ClientSampleId :
339-GRID-B3-B4

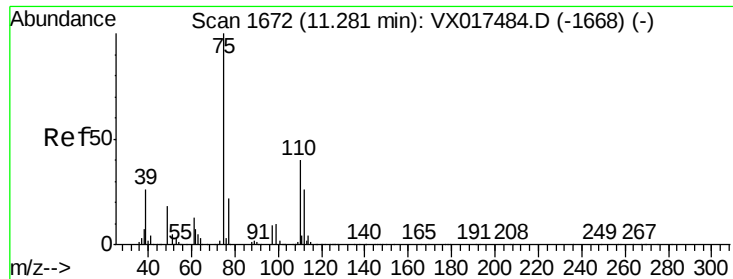
Tot Ion:117 Resp: 888602
Ion Ratio Lower Upper
117 100
82 55.4 44.0 66.0
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017529.D
Acq: 24 Jul 2020 06:25

Tgt Ion:152 Resp: 472145
Ion Ratio Lower Upper
152 100
115 58.5 65.5 196.6#
150 156.3 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 24.061 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

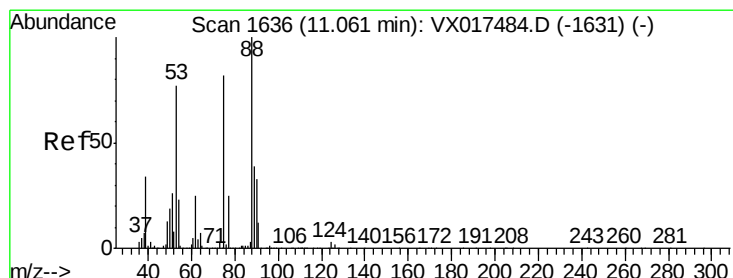
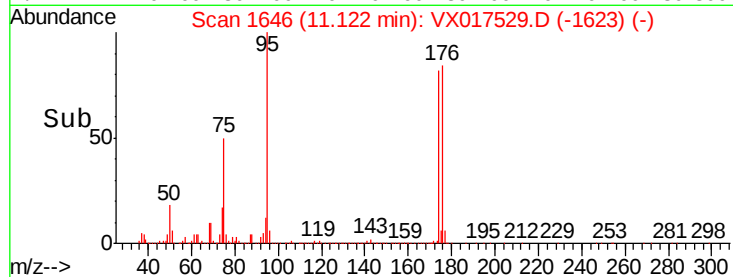
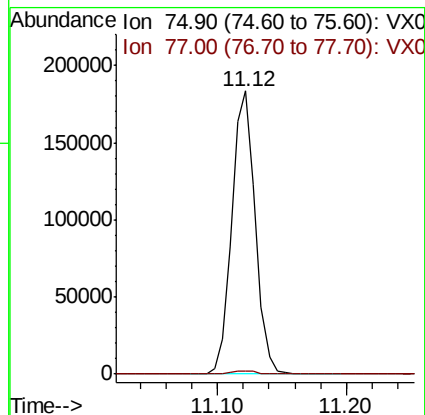
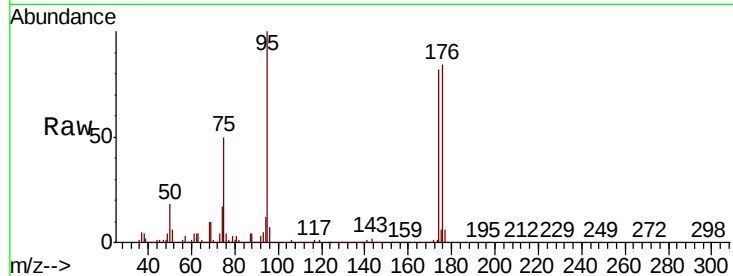
339-GRID-B3-B4

Tot Ion: 75 Resp: 233687

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.629 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

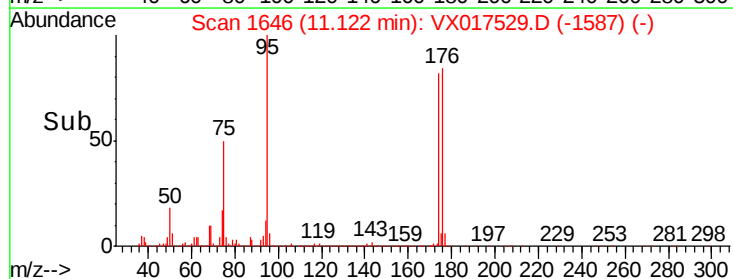
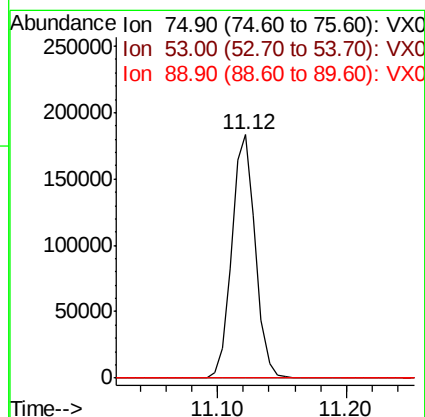
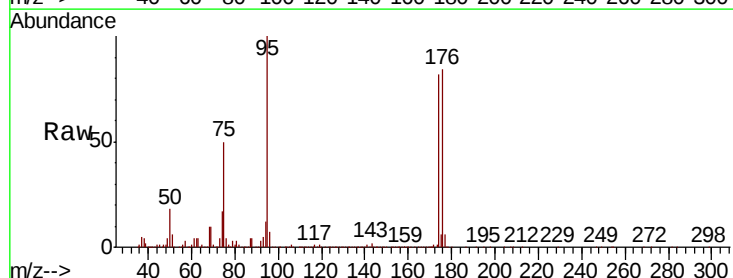
Tgt Ion: 75 Resp: 233687

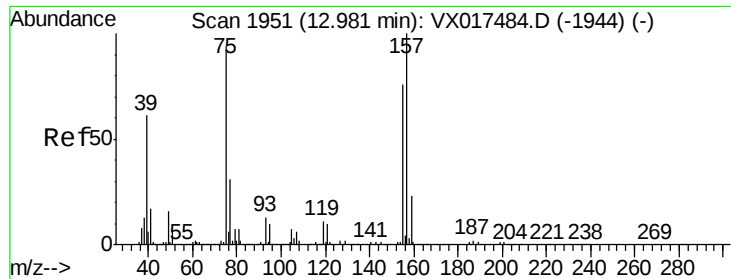
Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

89 0.0 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.603 ug/l

RT: 13.21 min Scan# 1988

Delta R.T. 0.23 min

Lab File: VX017529.D

Acq: 24 Jul 2020 06:25

Instrument :

MSVOA_X

ClientSampleId :

339-GRID-B3-B4

Tot Ion: 75 Resp: 78

Ion Ratio Lower Upper

75 100

155 120.5 42.3 126.8

157 92.3 54.3 162.9

