

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071620\
 Data File : VX017402.D
 Acq On : 16 Jul 2020 19:30
 Operator : JC/SP
 Sample : L3324-05 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-50-DIAZ

Quant Time: Jul 17 01:02:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	246934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	435369	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	469877	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	255339	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	172361	55.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.22%	
35) Dibromofluoromethane	5.46	113	151590	51.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.38%	
50) Toluene-d8	8.70	98	549549	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.12	95	233141	55.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.96%	

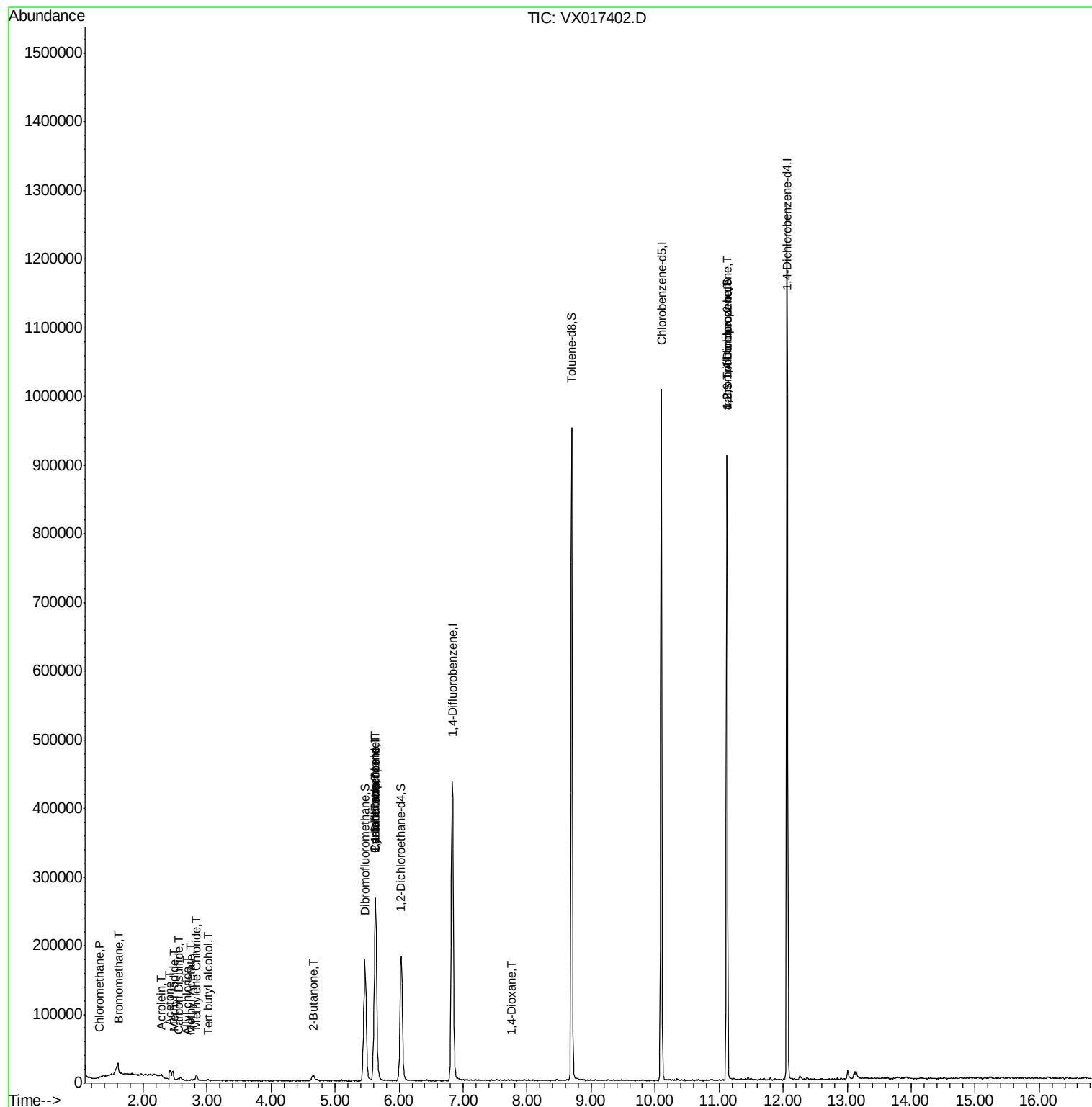
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	642	0.273	ug/l	89
5) Bromomethane	1.62	94	459	0.303	ug/l	84
10) Methyl Iodide	2.48	142	351	2.487	ug/l #	78
11) Tert butyl alcohol	3.02	59	1014	1.942	ug/l #	92
13) Acrolein	2.28	56	226	0.790	ug/l #	43
14) Allyl chloride	2.69	41	982	0.252	ug/l #	29
16) Acetone	2.42	43	13663	12.357	ug/l	97
17) Carbon Disulfide	2.55	76	1510	0.230	ug/l #	91
18) Methyl Acetate	2.75	43	1624	0.595	ug/l #	88
20) Methylene Chloride	2.83	84	4295	1.592	ug/l #	85
25) 2-Butanone	4.65	43	4933	2.809	ug/l	93
31) Cyclohexane	5.63	56	4923	1.380	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	19226	4.801	ug/l #	51
38) Carbon Tetrachloride	5.63	117	24728	5.274	ug/l #	19
49) 1,4-Dioxane	7.75	88	30	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117213	24.843	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	117213	63.020	ug/l #	11

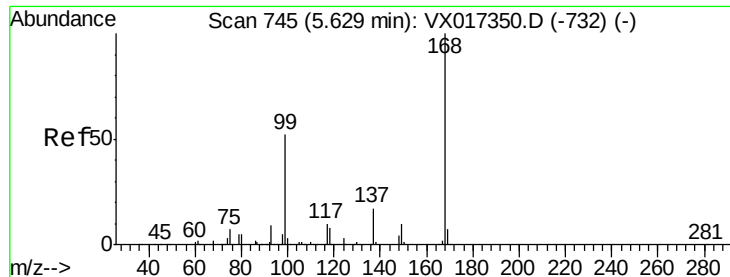
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

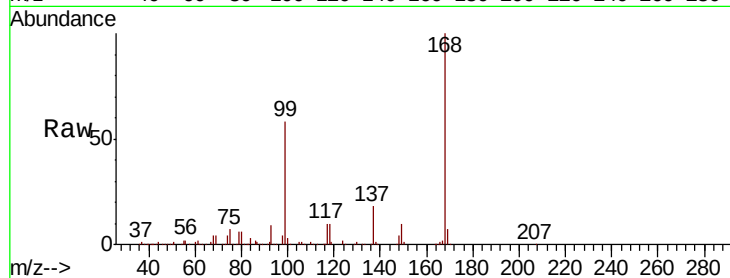
TOTE-50-DIAZ

Tot Ion:168 Resp: 246934

Ion Ratio Lower Upper

168 100

99 57.9 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

80000

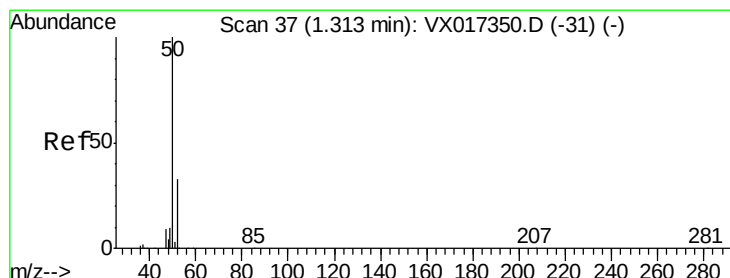
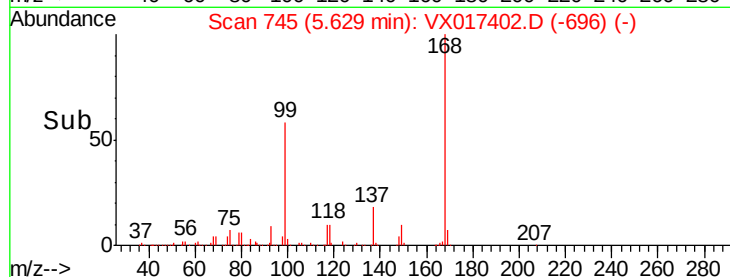
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.273 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017402.D

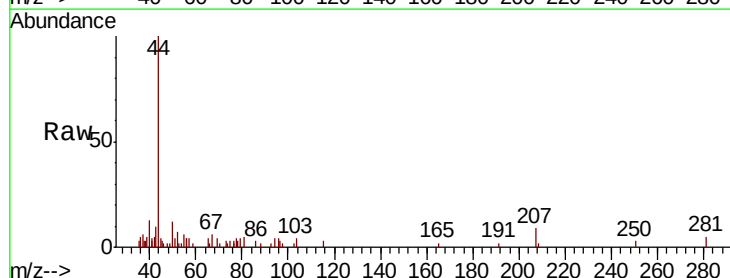
Acq: 16 Jul 2020 19:30

Tgt Ion: 50 Resp: 642

Ion Ratio Lower Upper

50 100

52 39.9 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

400

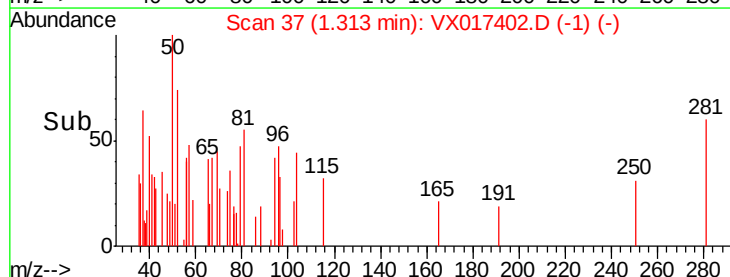
300

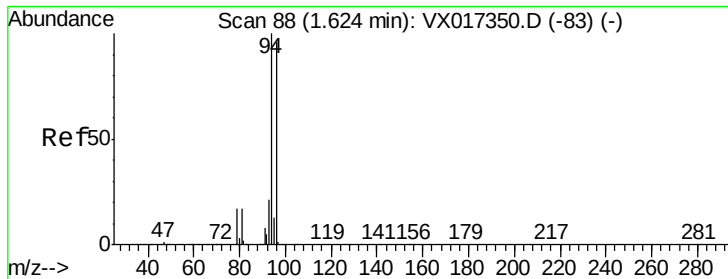
200

100

0

Time-->





#5

Bromomethane

Concen: 0.303 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampled :

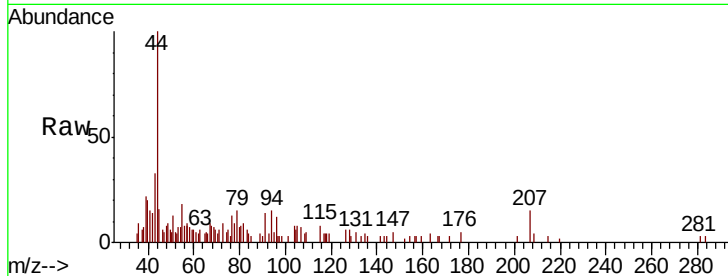
TOTE-50-DIAZ

Tot Ion: 94 Resp: 459

Ion Ratio Lower Upper

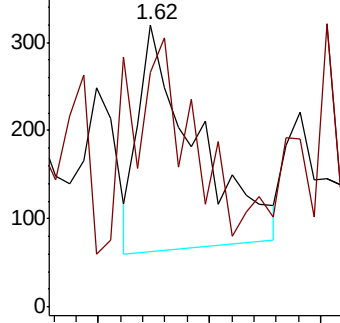
94 100

96 80.0 76.6 115.0

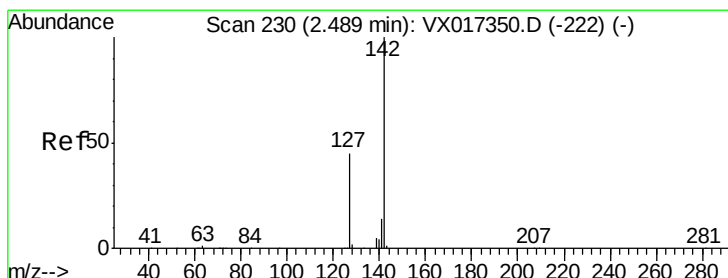
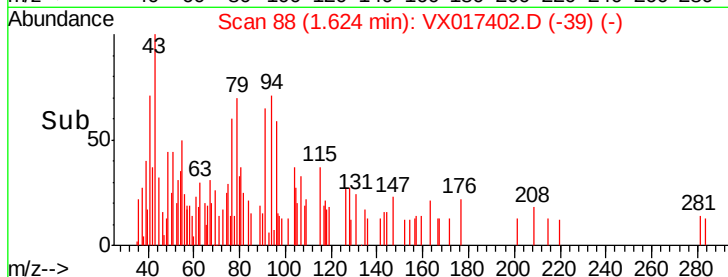


Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



Time-->



#10

Methyl Iodide

Concen: 2.487 ug/l

RT: 2.48 min Scan# 229

Delta R.T. -0.01 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

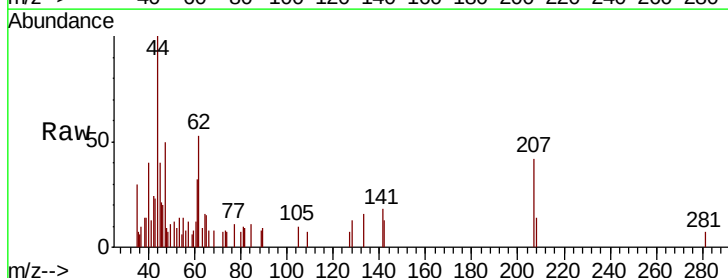
Tgt Ion: 142 Resp: 351

Ion Ratio Lower Upper

142 100

127 33.9 36.8 55.2#

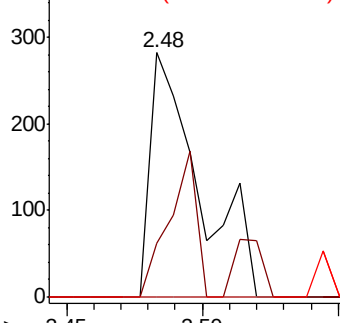
141 0.0 11.4 17.0#



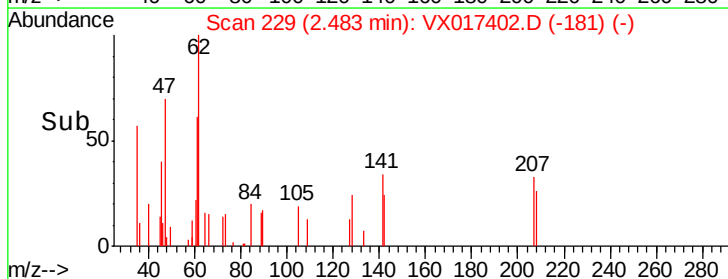
Abundance Ion 141.80 (141.50 to 142.50): V

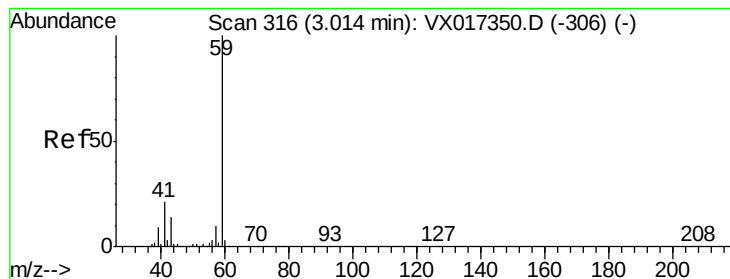
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->



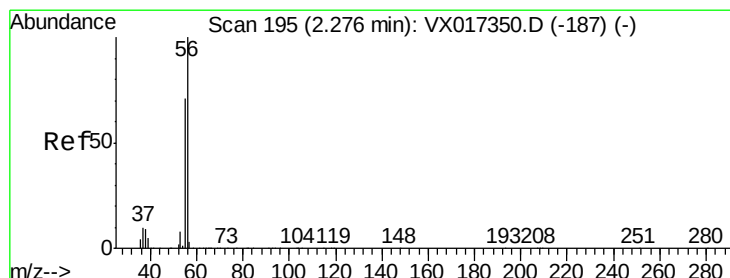
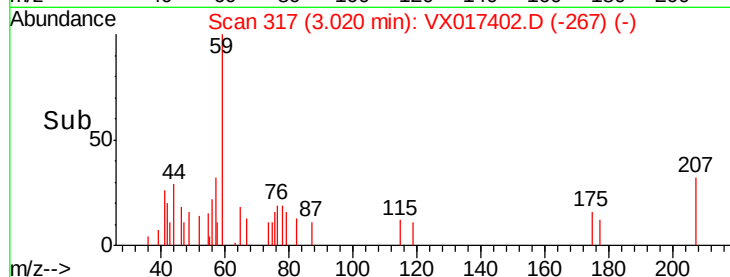
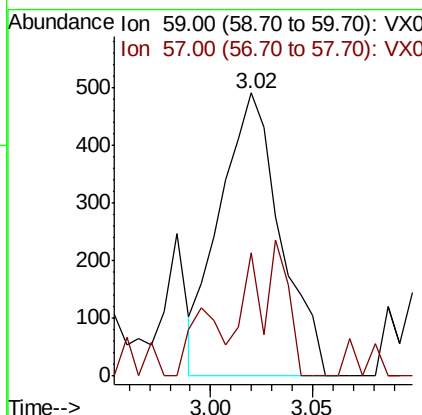
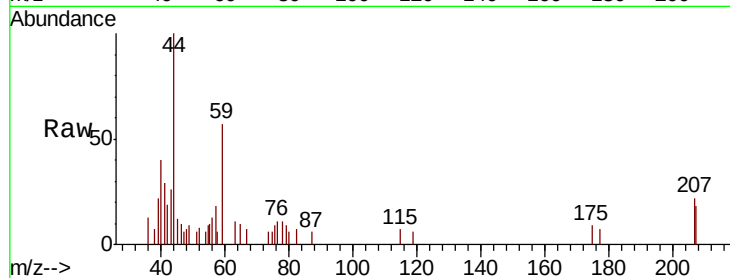


#11

Tert butyl alcohol
Concen: 1.942 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

Instrument :
MSVOA_X
ClientSampled :
TOTE-50-DIAZ

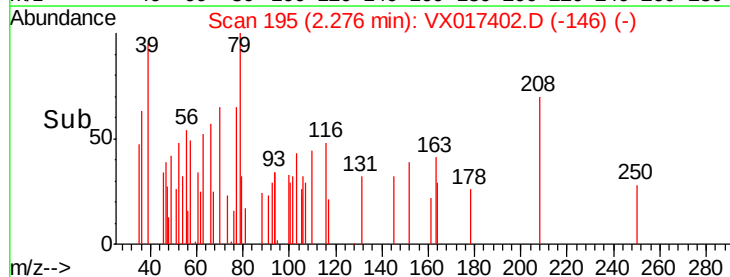
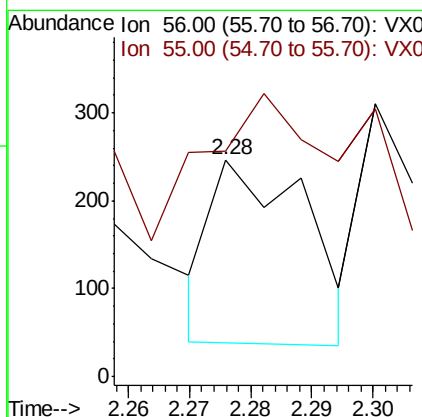
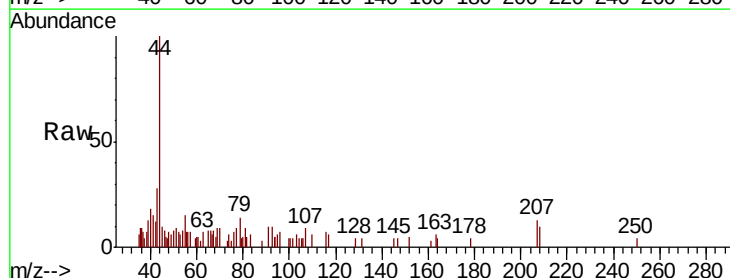
Tot Ion: 59.00 Resp: 1014
Ion Ratio Lower Upper
59 100
57 7.5 8.3 12.5#

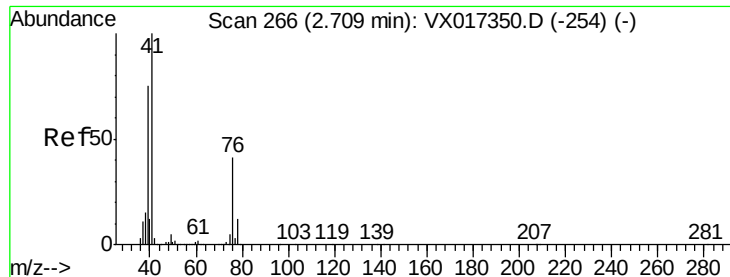


#13

Acrolein
Concen: 0.790 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.00 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

Tgt Ion: 56 Resp: 226
Ion Ratio Lower Upper
56 100
55 119.0 57.1 85.7#

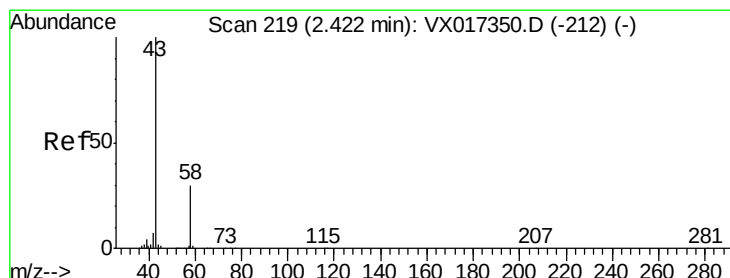
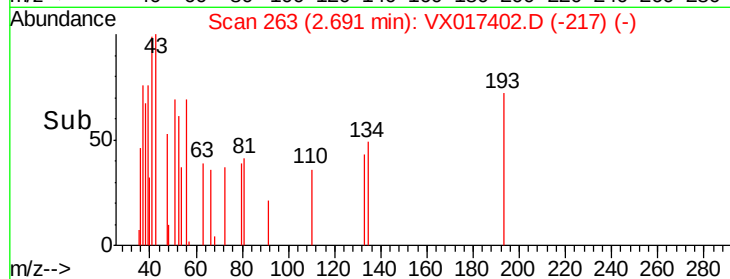
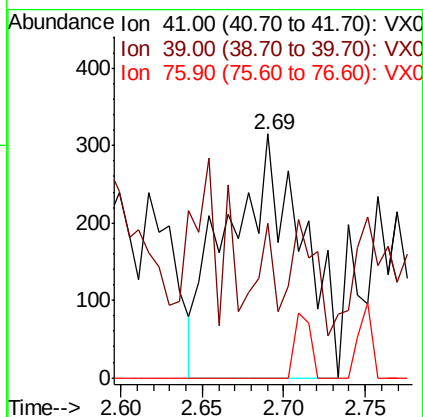
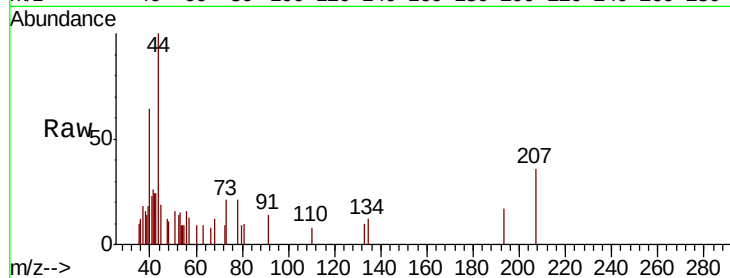




#14
Allvl chloride
Concen: 0.252 ug/l
RT: 2.69 min Scan# 263
Delta R.T. -0.02 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

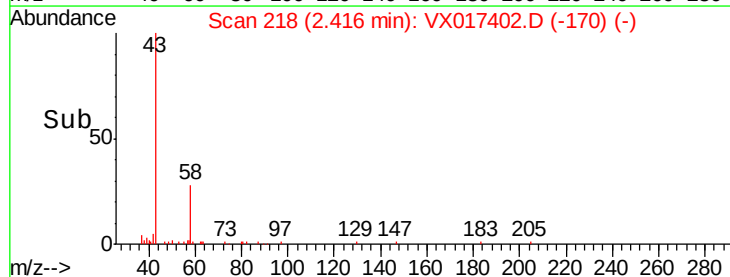
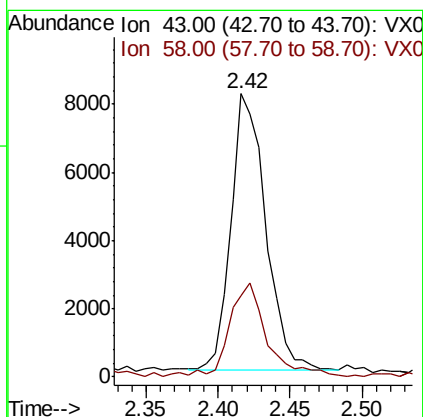
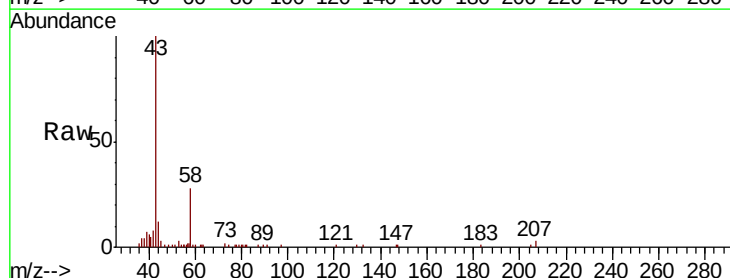
Instrument :
MSVOA_X
ClientSampleId :
TOTE-50-DIAZ

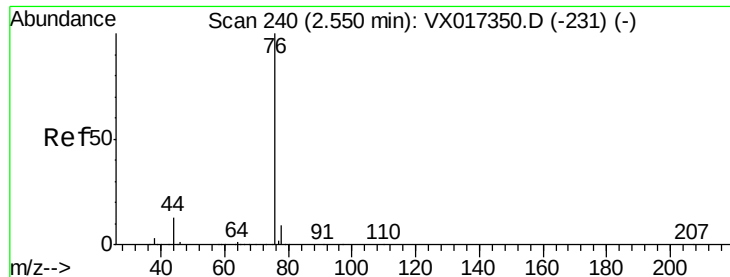
Tot Ion: 41 Resp: 982
Ion Ratio Lower Upper
41 100
39 5.8 53.0 79.4#
76 0.0 28.2 42.2#



#16
Acetone
Concen: 12.357 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

Tgt Ion: 43 Resp: 13663
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.2





#17

Carbon Disulfide

Concen: 0.230 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

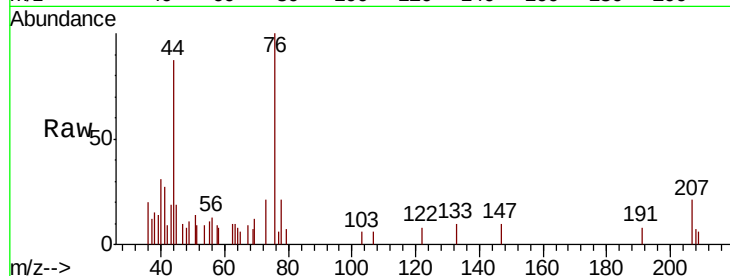
TOTE-50-DIAZ

Tot Ion: 76 Resp: 1510

Ion Ratio Lower Upper

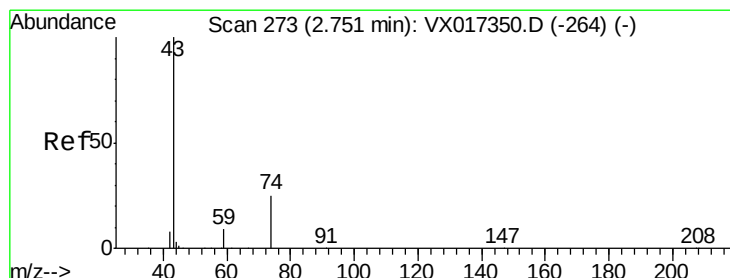
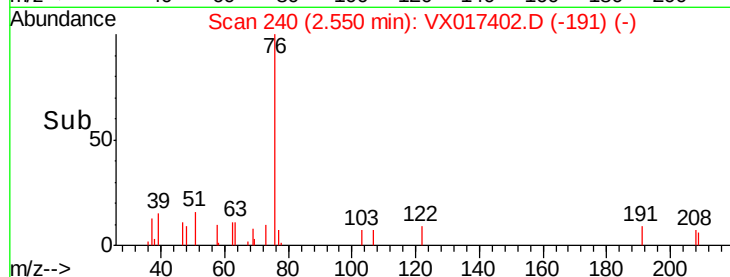
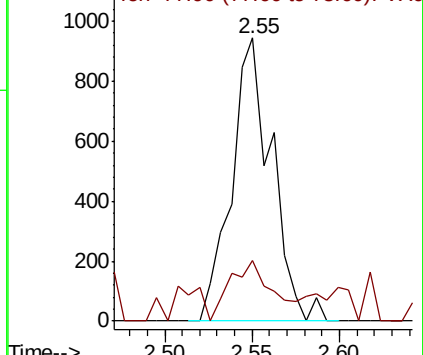
76 100

78 12.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.595 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX017402.D

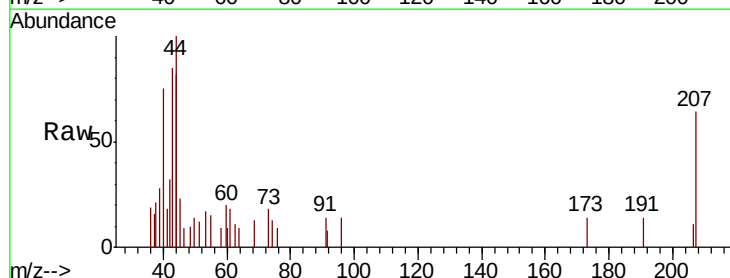
Acq: 16 Jul 2020 19:30

Tgt Ion: 43 Resp: 1624

Ion Ratio Lower Upper

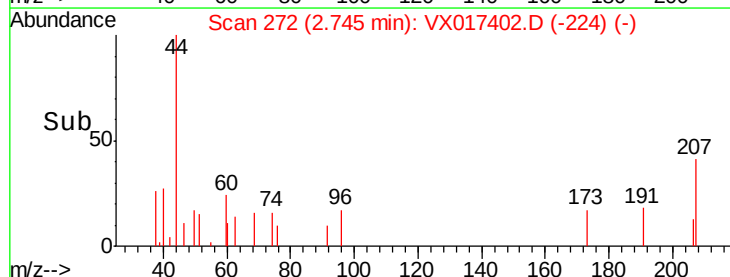
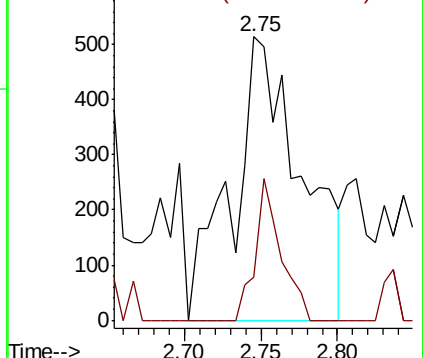
43 100

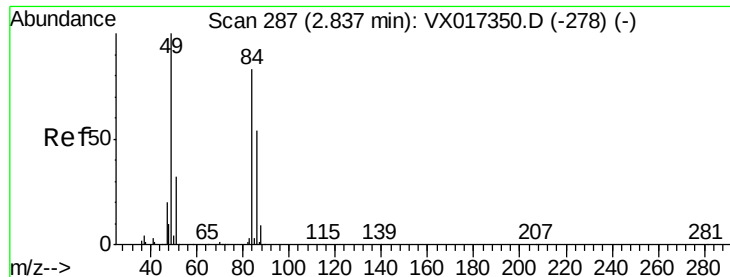
74 18.4 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

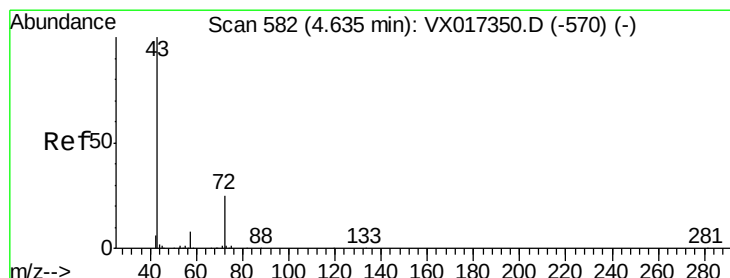
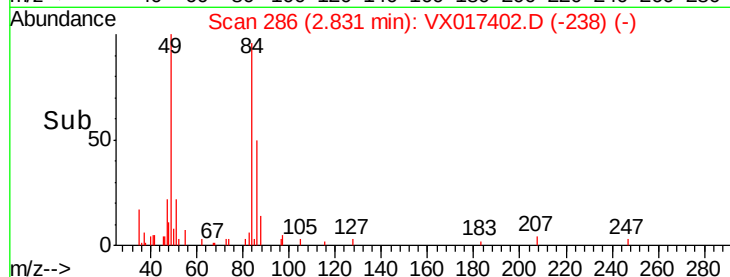
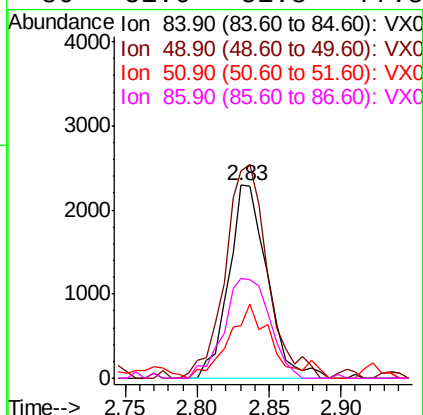
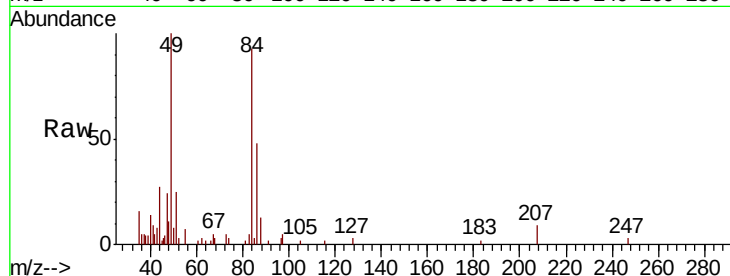




#20
Methylene Chloride
Concen: 1.592 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

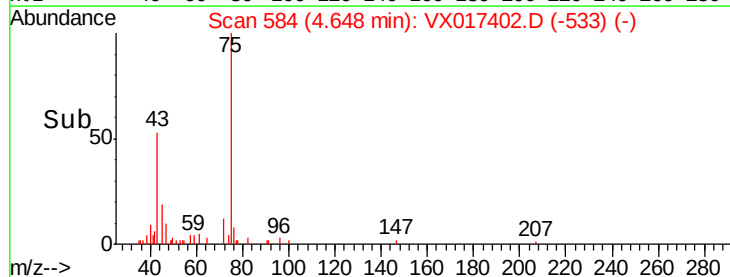
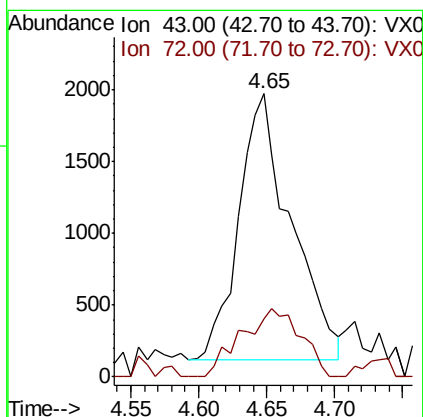
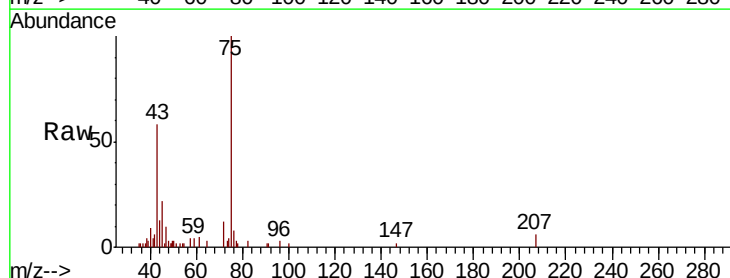
Instrument :
MSVOA_X
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TOTE-50-DIAZ

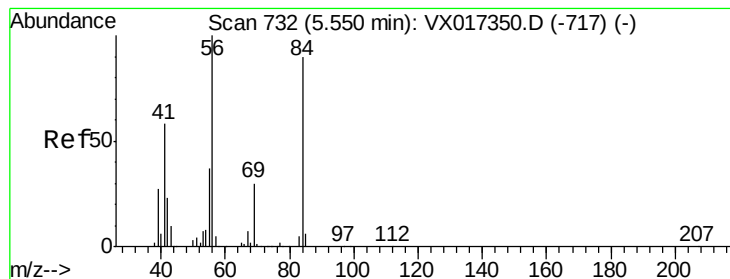
Tot Ion: 84 Resp: 4295
Ion Ratio Lower Upper
84 100
49 105.1 95.8 143.8
51 27.1 31.0 46.4#
86 51.6 51.8 77.8#



#25
2-Butanone
Concen: 2.809 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017402.D
Acq: 16 Jul 2020 19:30

Tgt Ion: 43 Resp: 4933
Ion Ratio Lower Upper
43 100
72 22.0 20.4 30.6





#31

Cyclohexane

Concen: 1.380 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleID :

TOTE-50-DIAZ

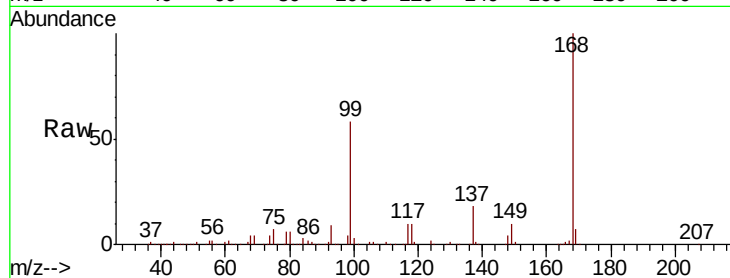
Tot Ion: 56 Resp: 4923

Ion Ratio Lower Upper

56 100

69 193.8 23.7 35.5#

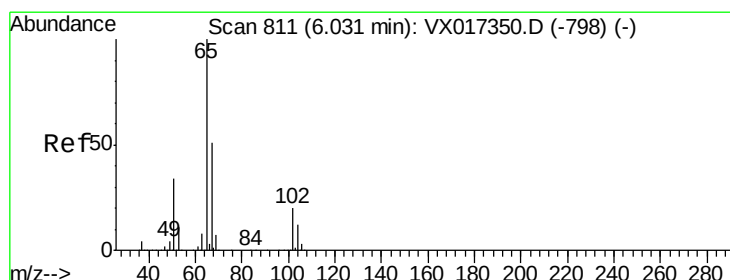
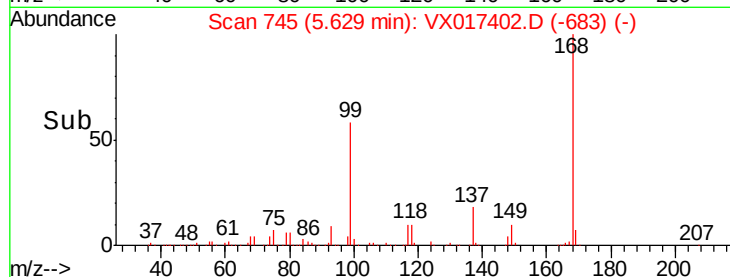
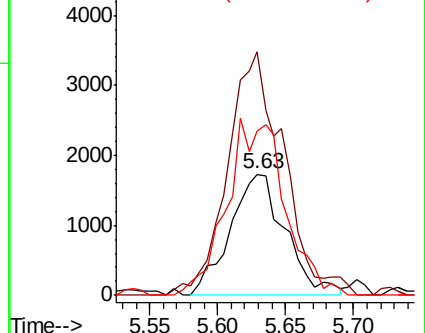
84 130.0 71.8 107.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 55.614 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017402.D

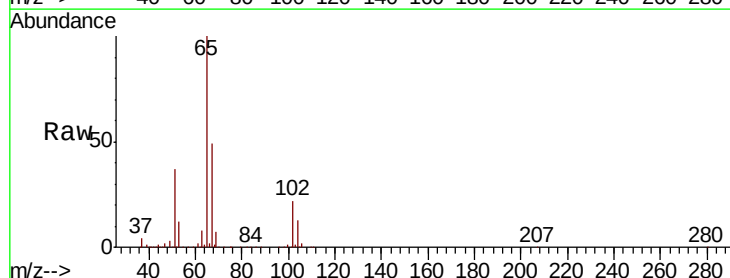
Acq: 16 Jul 2020 19:30

Tgt Ion: 65 Resp: 172361

Ion Ratio Lower Upper

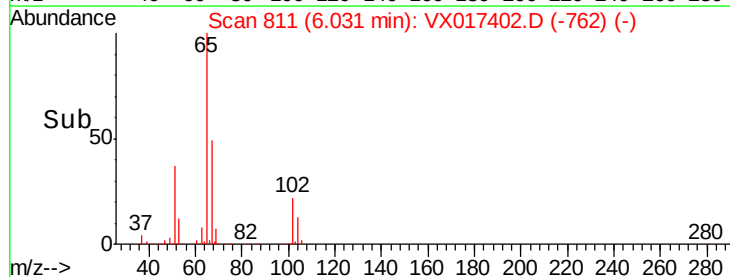
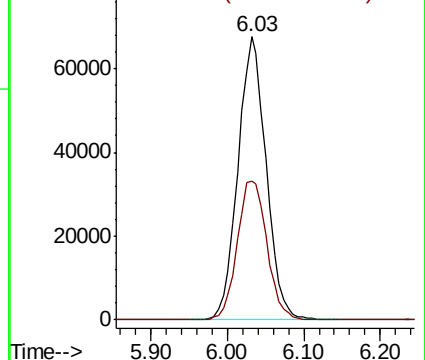
65 100

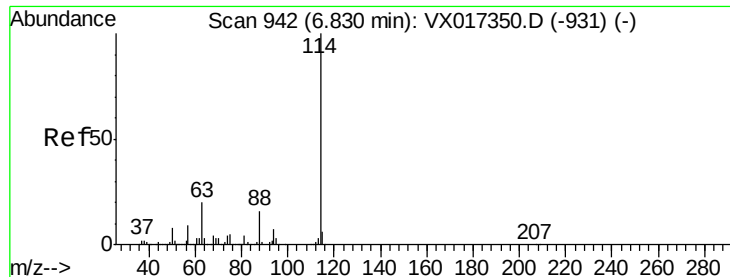
67 51.8 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

TOTE-50-DIAZ

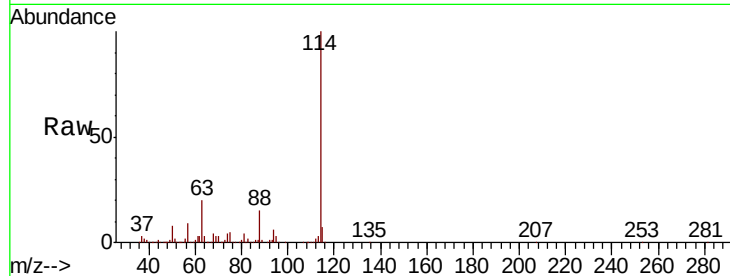
Tot Ion:114 Resp: 435369

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.0

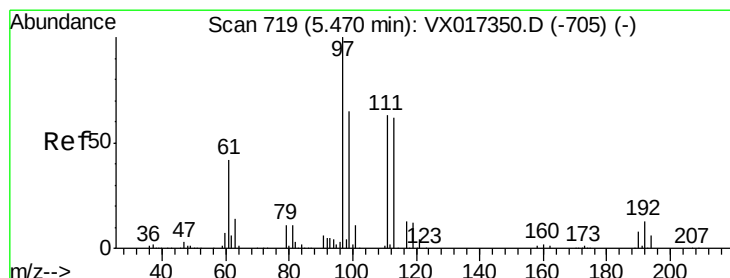
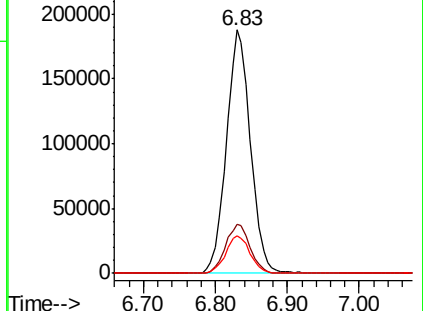
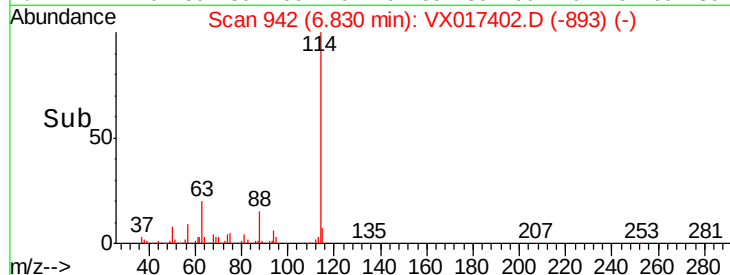
88 15.4 0.0 32.8



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: 51.689 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

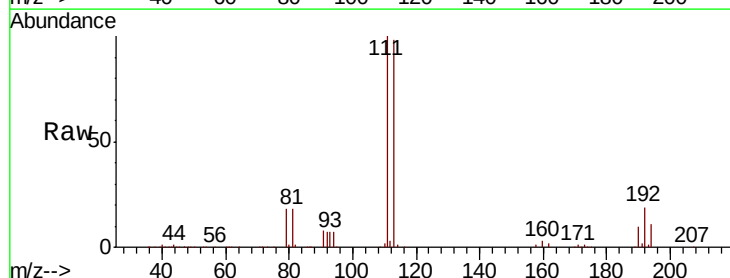
Tgt Ion:113 Resp: 151590

Ion Ratio Lower Upper

113 100

111 102.5 82.4 123.6

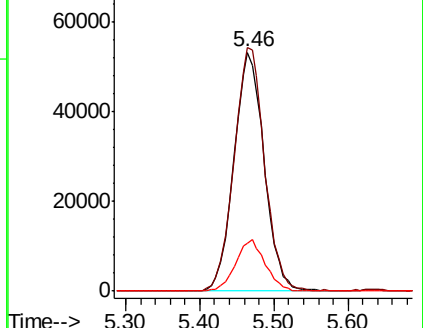
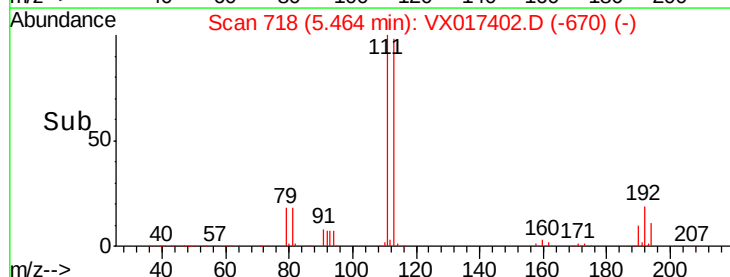
192 21.1 17.2 25.8

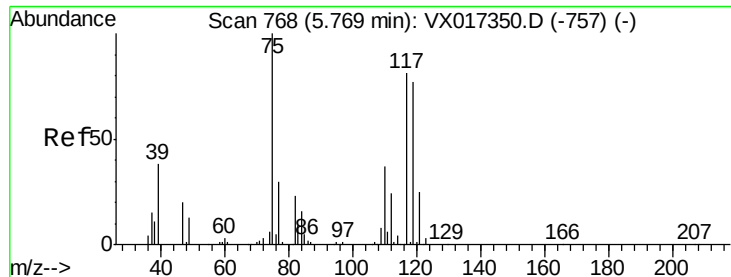


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

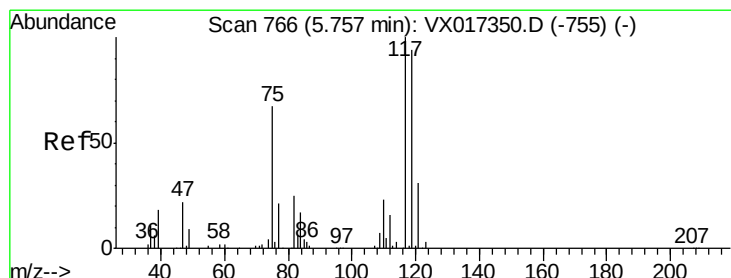
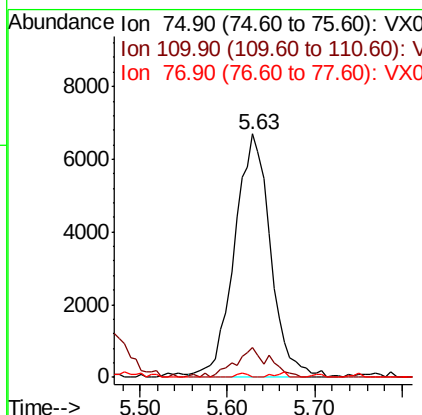
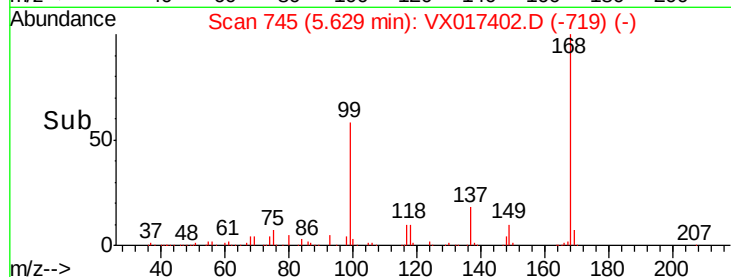
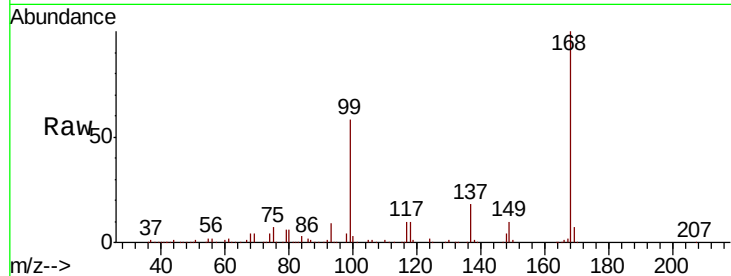




#36
 1,1-Dichloropropene
 Concen: 4.801 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017402.D
 Acq: 16 Jul 2020 19:30

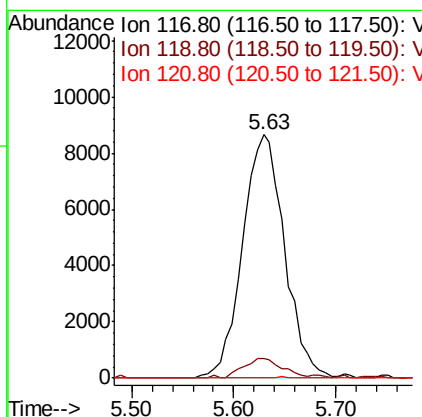
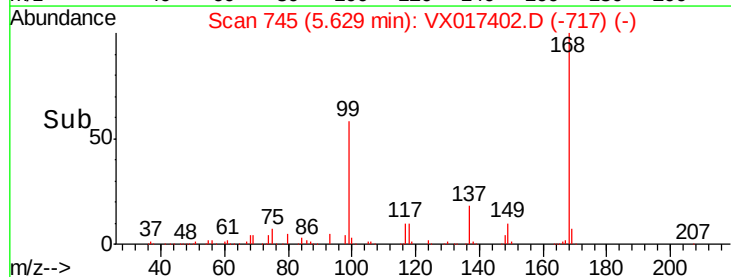
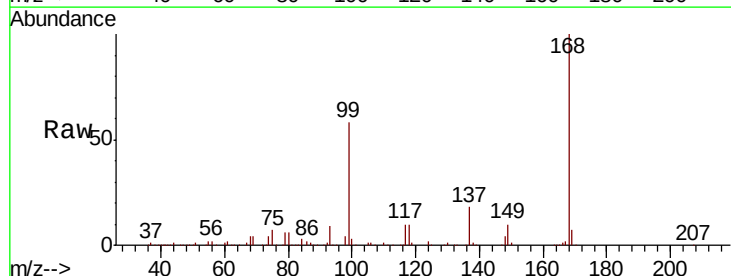
Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-50-DIAZ

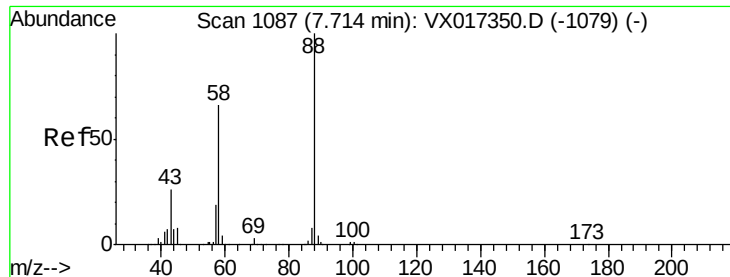
Tot Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.6	55.8#
77	0.5	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 5.274 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX017402.D
 Acq: 16 Jul 2020 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	7.9	74.7	112.1#
121	0.0	24.5	36.7#





#49

1,4-Dioxane

Concen: 0.462 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.04 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

TOTE-50-DIAZ

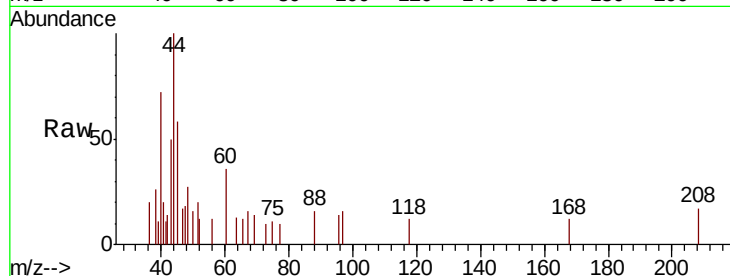
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

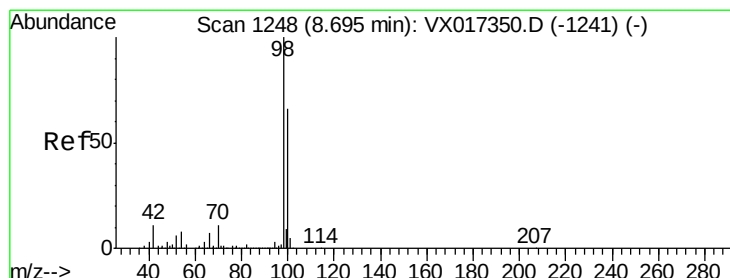
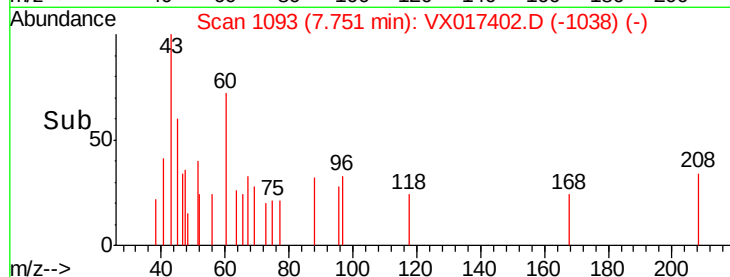
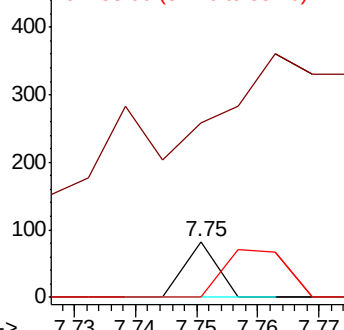
88 100

43 1333.3 25.6 38.4#

58 166.7 53.9 80.9#



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: 51.948 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017402.D

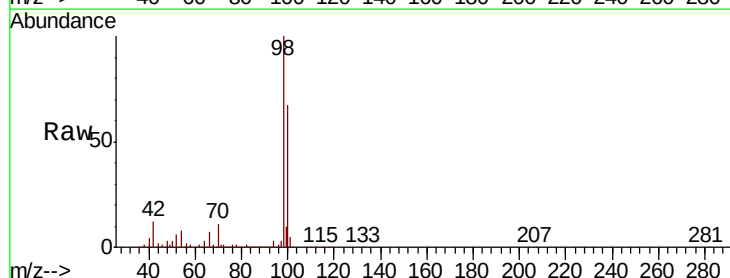
Acq: 16 Jul 2020 19:30

Tgt Ion: 98 Resp: 549549

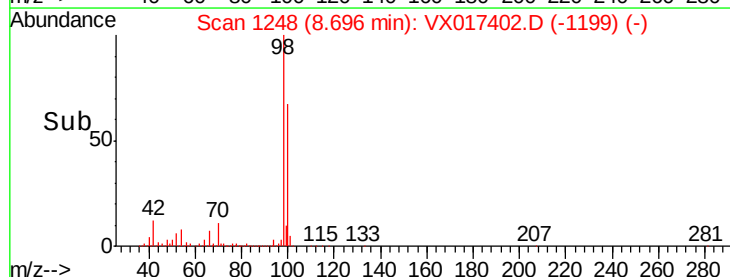
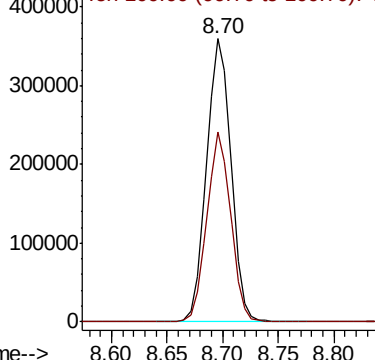
Ion Ratio Lower Upper

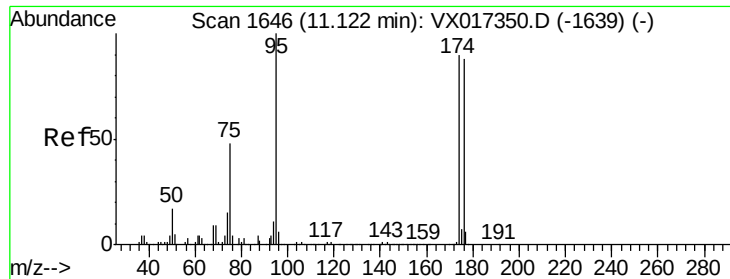
98 100

100 65.2 53.4 80.2



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





#62

4-Bromofluorobenzene

Concen: 55.482 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

TOTE-50-DIAZ

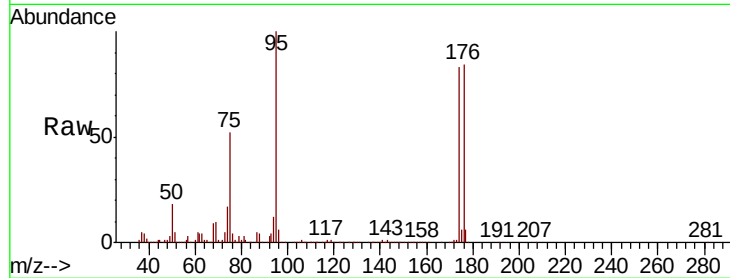
Tot Ion: 95 Resp: 233141

Ion Ratio Lower Upper

95 100

174 83.0 0.0 175.8

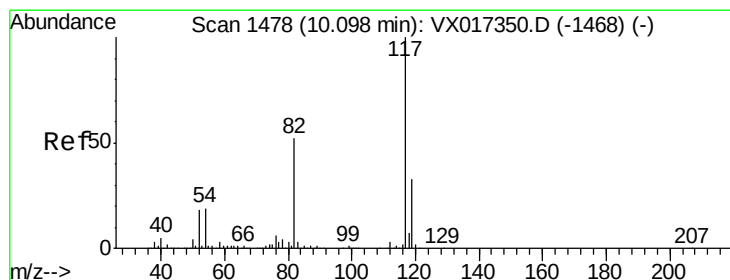
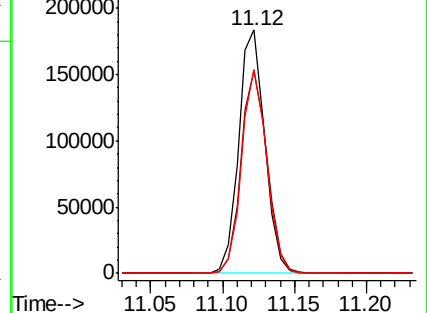
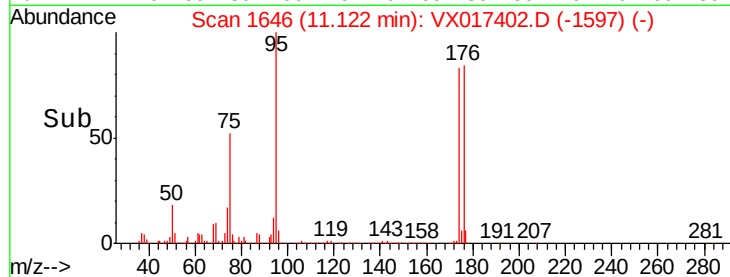
176 80.2 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

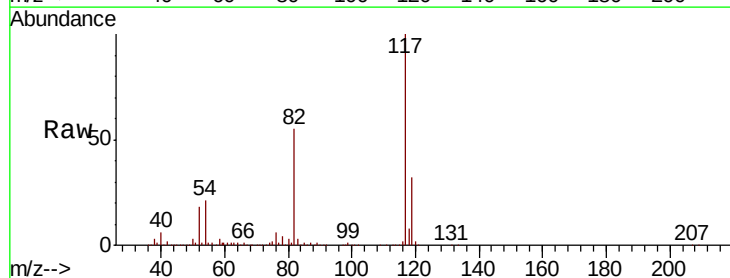
Tgt Ion: 117 Resp: 469877

Ion Ratio Lower Upper

117 100

82 54.6 42.0 63.0

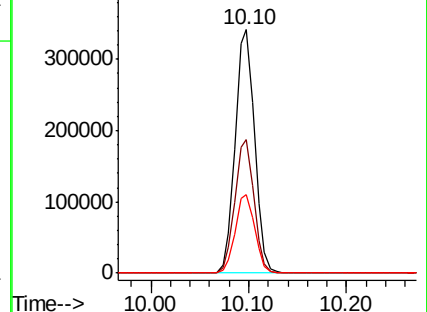
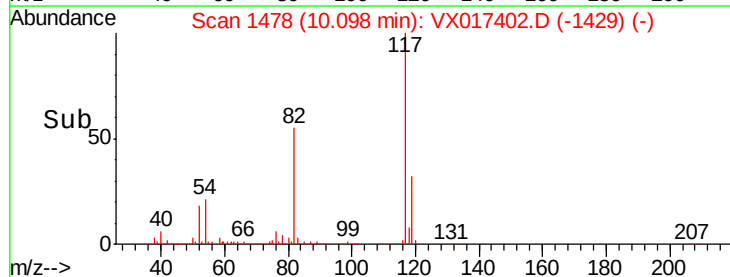
119 32.3 26.3 39.5

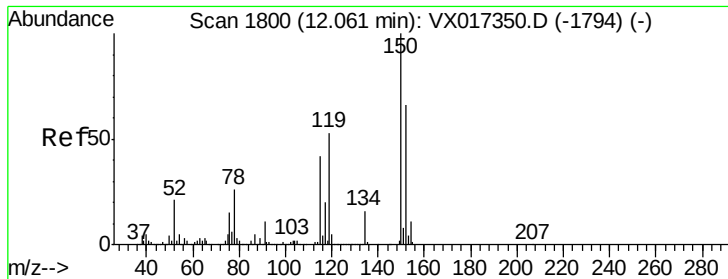


Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017402.D

Acq: 16 Jul 2020 19:30

Instrument :

MSVOA_X

ClientSampleId :

TOTE-50-DIAZ

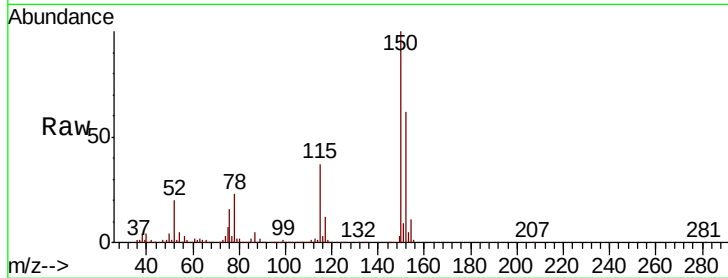
Tot Ion:152 Resp: 255339

Ion Ratio Lower Upper

152 100

115 57.8 39.9 119.7

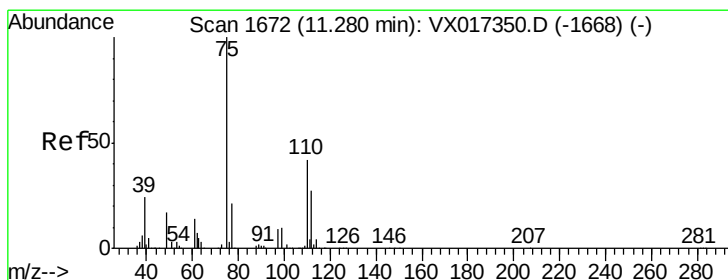
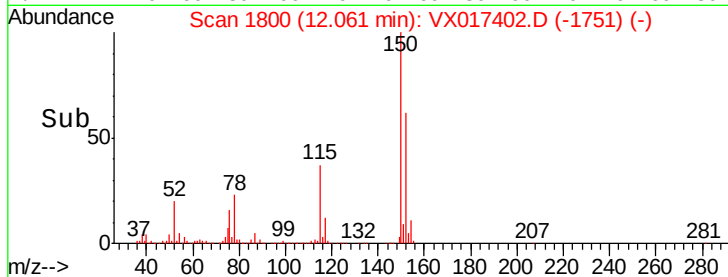
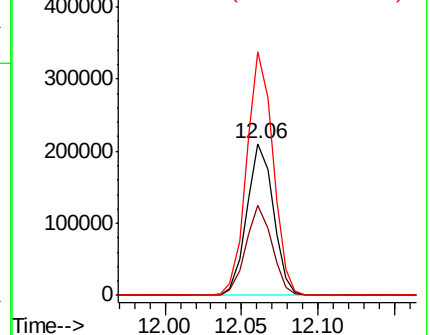
150 157.8 0.0 343.4



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



#76

1,2,3-Trichloropropane

Concen: 24.843 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017402.D

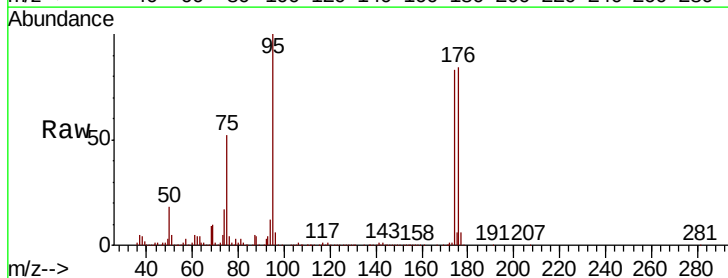
Acq: 16 Jul 2020 19:30

Tgt Ion: 75 Resp: 117213

Ion Ratio Lower Upper

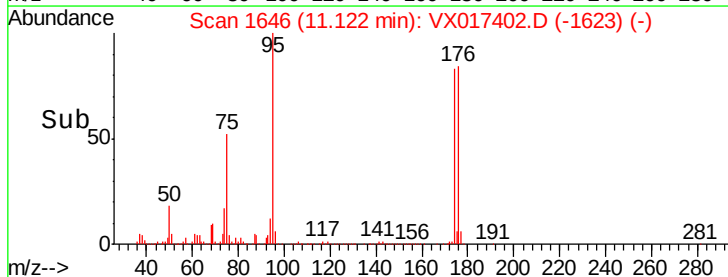
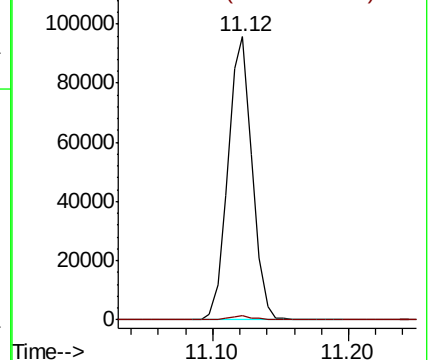
75 100

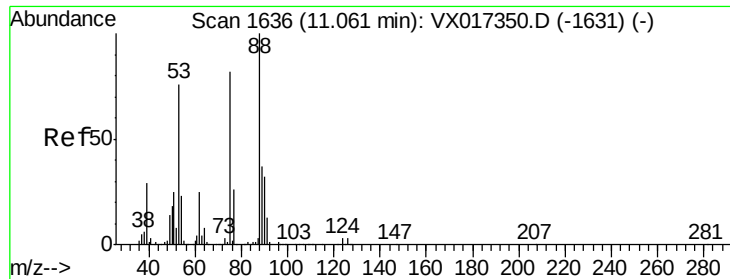
77 1.5 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.020 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017402.D
 Acq: 16 Jul 2020 19:30

Instrument :
 MSVOA_X
 ClientSampleId :
 TOTE-50-DIAZ

Tot Ion: 75 Resp: 117213
 Ion Ratio Lower Upper
 75 100
 53 0.3 76.5 114.7#
 89 0.1 38.1 57.1#

