

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052620\
 Data File : VX016443.D
 Acq On : 26 May 2020 22:14
 Operator : JC/SP
 Sample : L2757-03 50X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 27 05:26:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 26 16:32:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	109465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	194741	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	195266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	97626	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	77654	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	
35) Dibromofluoromethane	5.47	113	59193	47.52	ug/l	0.00
Spiked Amount			Recovery	=	95.04%	
50) Toluene-d8	8.70	98	247008	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	11.12	95	98945	58.11	ug/l	0.00
Spiked Amount			Recovery	=	116.22%	

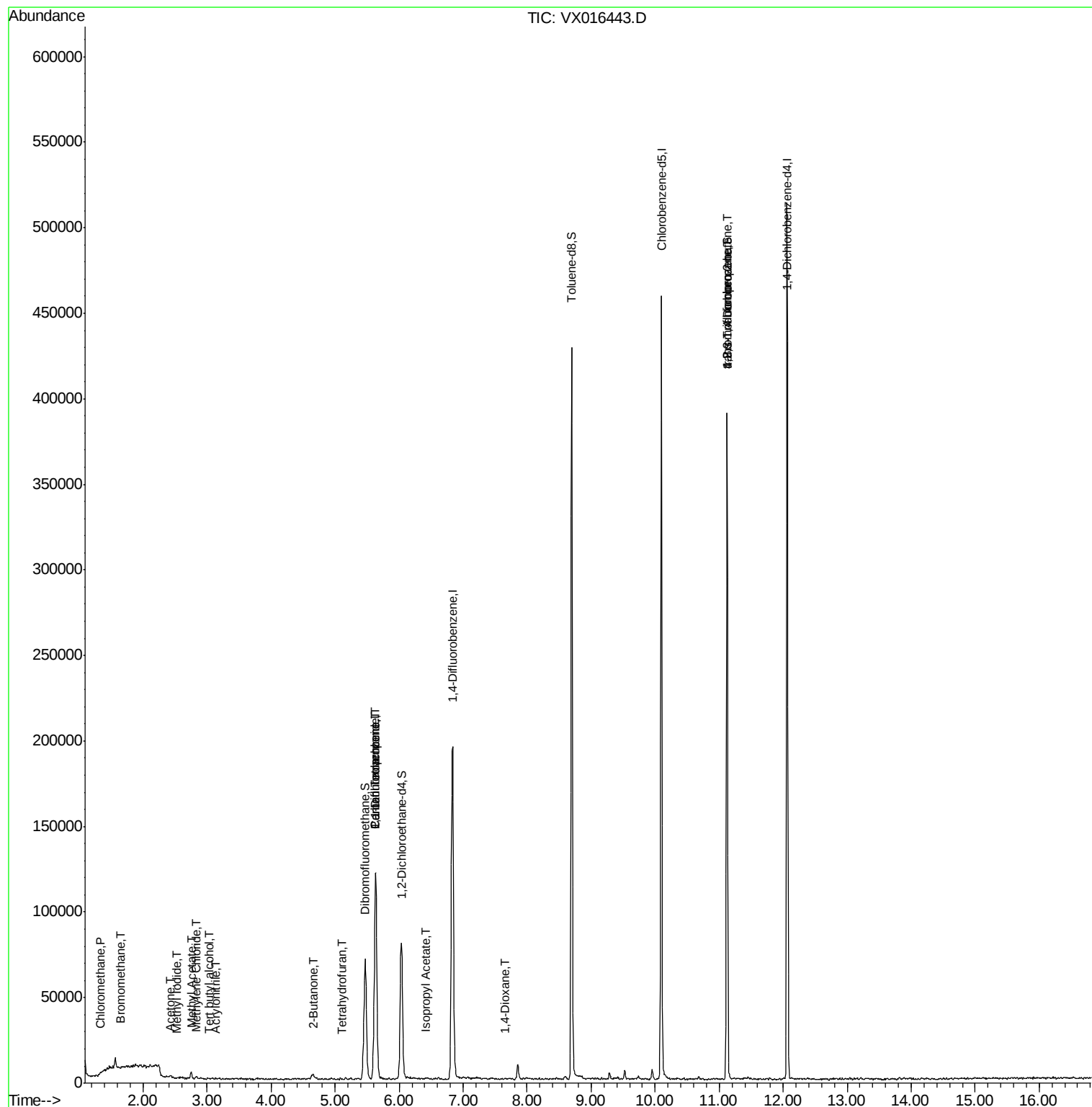
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	451	0.415	ug/l #	42
5) Bromomethane	1.64	94	230	3.030	ug/l #	62
10) Methyl Iodide	2.51	142	21	5.703	ug/l #	1
11) Tert butyl alcohol	3.03	59	211	0.644	ug/l #	1
13) Acrolein	2.27	56	49	Below Cal	#	14
15) Acrylonitrile	3.13	53	232	0.355	ug/l #	7
16) Acetone	2.42	43	839	1.486	ug/l #	60
18) Methyl Acetate	2.75	43	4752	3.450	ug/l	99
20) Methylene Chloride	2.84	84	436	0.358	ug/l #	77
25) 2-Butanone	4.65	43	230	0.251	ug/l #	82
29) Tetrahydrofuran	5.11	42	185	0.311	ug/l #	40
36) 1,1-Dichloropropene	5.63	75	9961	5.770	ug/l #	50
38) Carbon Tetrachloride	5.64	117	11516	6.155	ug/l #	14
43) Isopropyl Acetate	6.42	43	993	0.324	ug/l #	74
49) 1,4-Dioxane	7.66	88	20	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	52216	25.770	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	52216	61.971	ug/l #	15

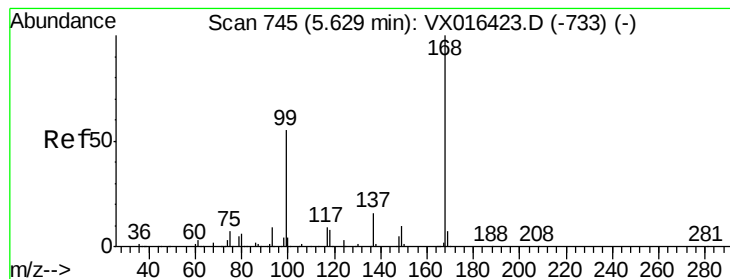
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052620\
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ClientSampled :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052620W.M
Quant Title : SW846 8260
QLast Update : Tue May 26 16:32:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

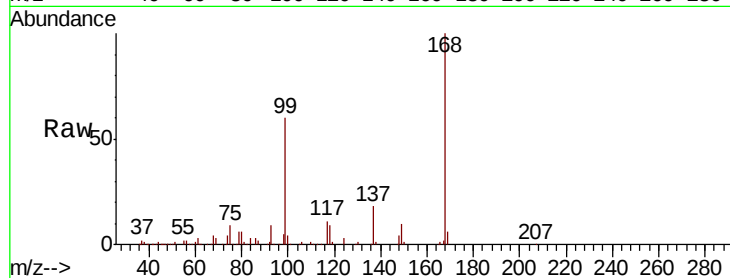
ClientSampleId :

Tot Ion:168 Resp: 109465

Ion Ratio Lower Upper

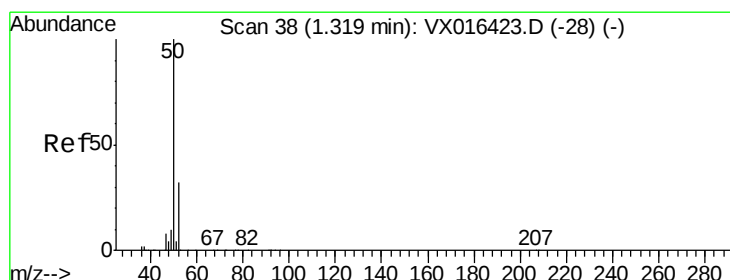
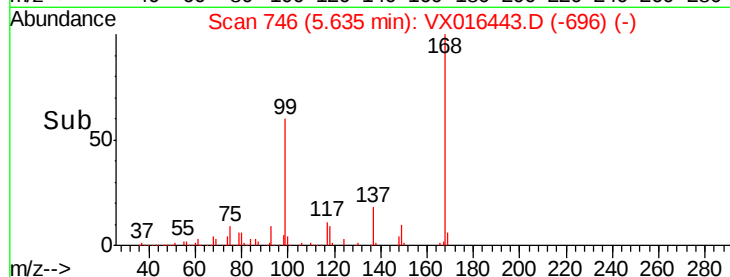
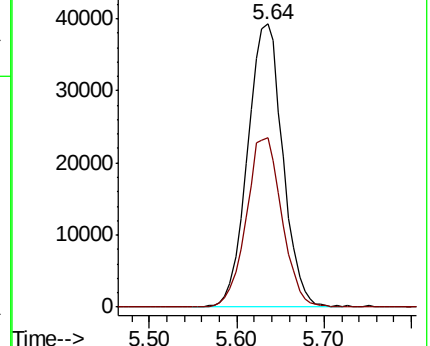
168 100

99 59.9 44.4 66.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.415 ug/l

RT: 1.32 min Scan# 38

Delta R.T. -0.00 min

Lab File: VX016443.D

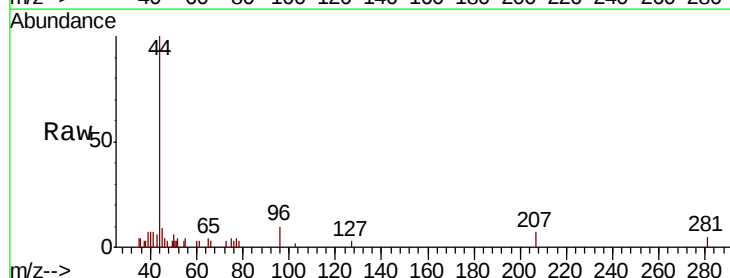
Acq: 26 May 2020 22:14

Tgt Ion: 50 Resp: 451

Ion Ratio Lower Upper

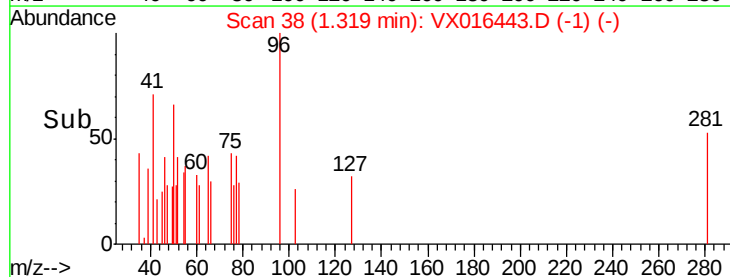
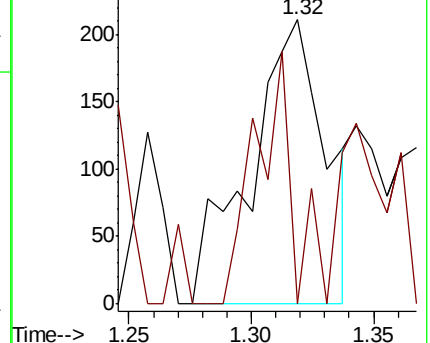
50 100

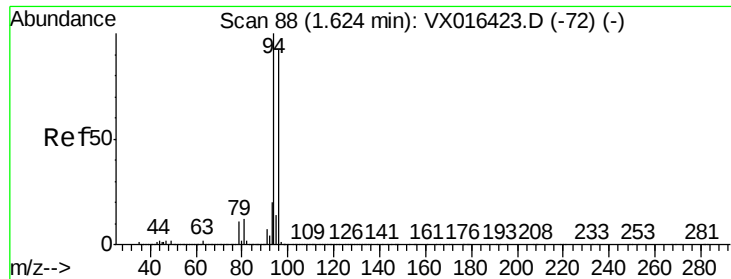
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 3.030 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

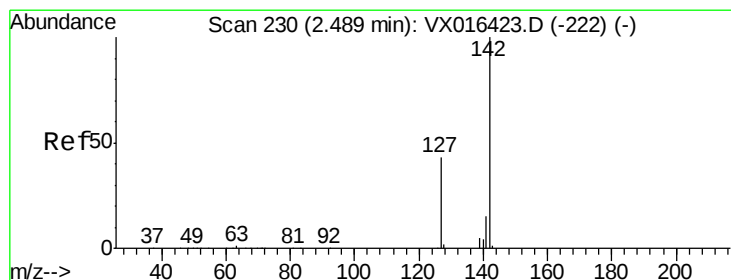
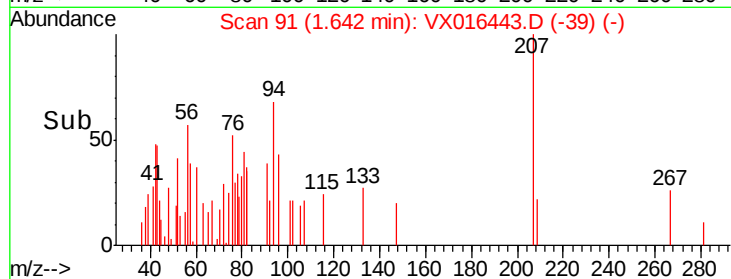
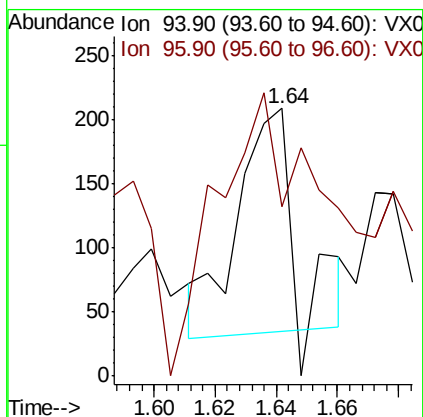
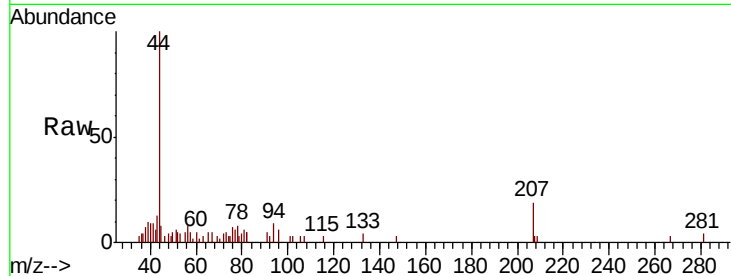
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 230

Ion Ratio Lower Upper

94 100

96 55.5 73.7 110.5#



#10

Methyl Iodide

Concen: 5.703 ug/l

RT: 2.51 min Scan# 234

Delta R.T. 0.02 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

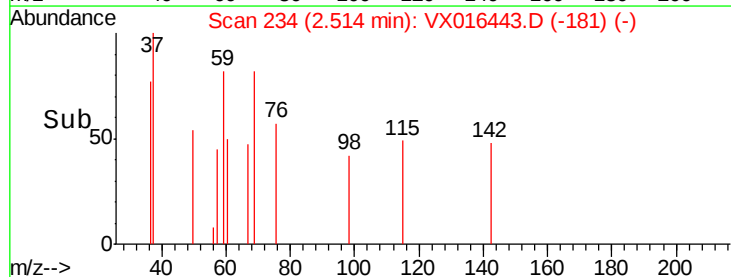
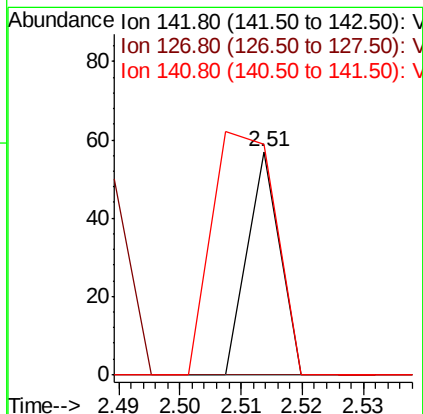
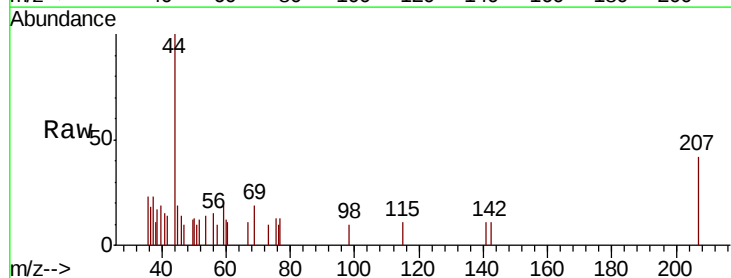
Tgt Ion: 142 Resp: 21

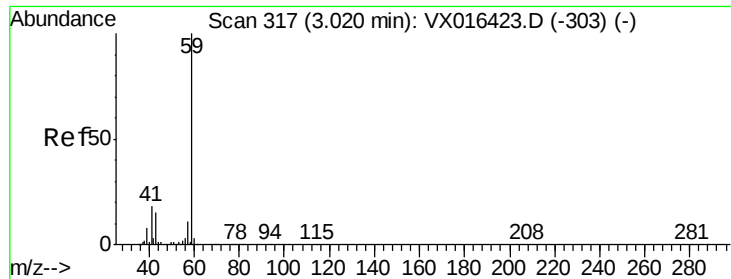
Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 209.5 12.2 18.2#

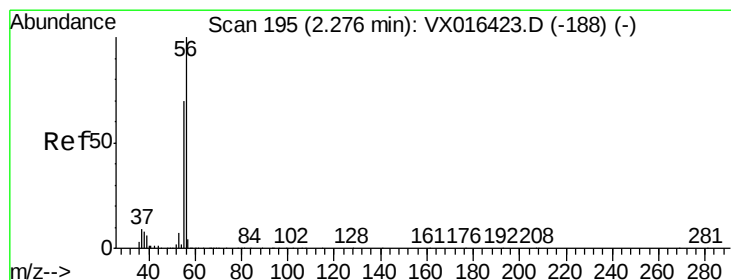
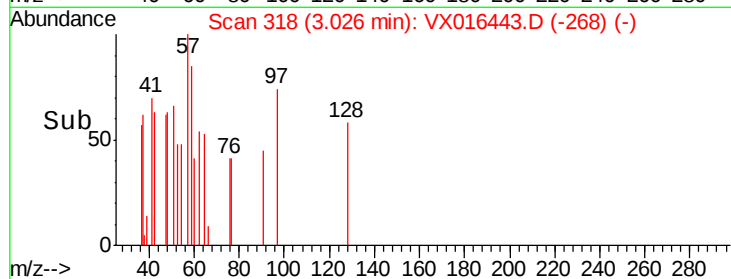
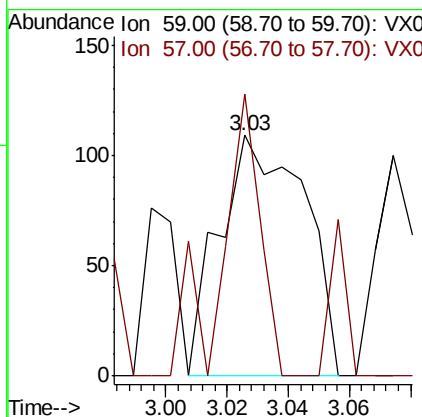
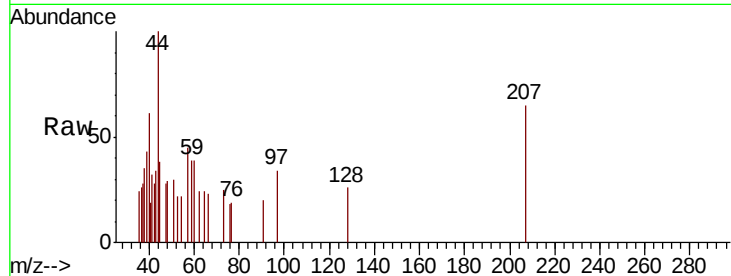




#11
Tert butvl alcohol
Concen: 0.644 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX016443.D
Acq: 26 May 2020 22:14

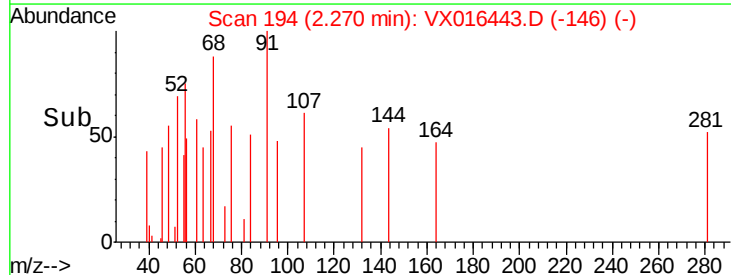
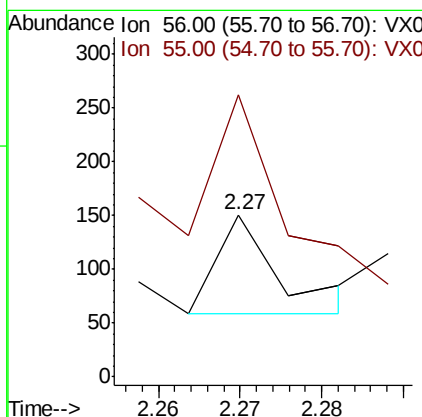
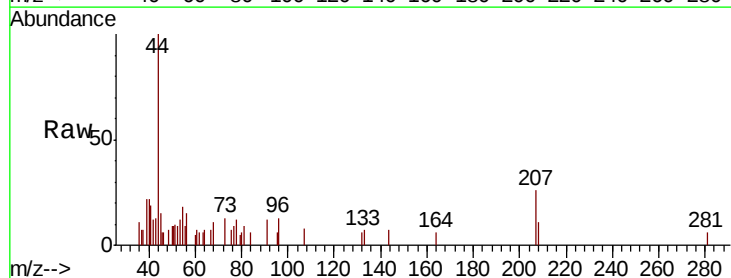
Instrument :
MSVOA_X
ClientSampled :

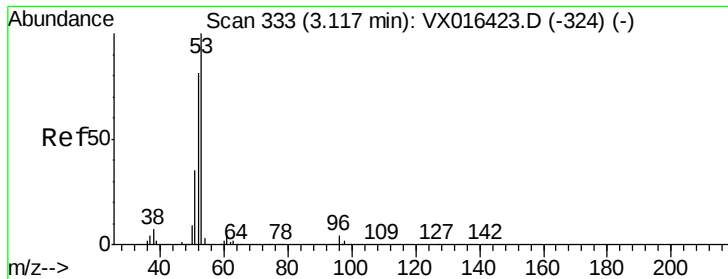
Tot Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 53.1 8.5 12.7#



#13
Acrolein
Concen: Below Cal
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX016443.D
Acq: 26 May 2020 22:14

Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#





#15

Acrylonitrile

Concen: 0.355 ug/l

RT: 3.13 min Scan# 335

Delta R.T. 0.01 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampled :

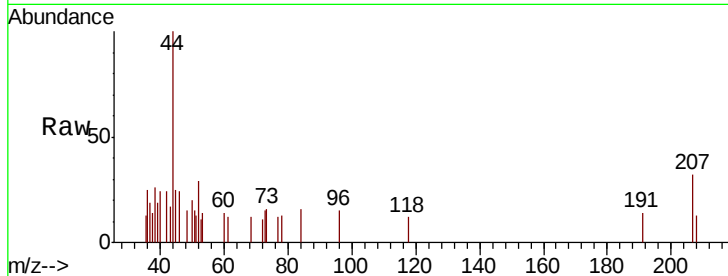
Tot Ion: 53 Resp: 232

Ion Ratio Lower Upper

53 100

52 37.5 65.4 98.2#

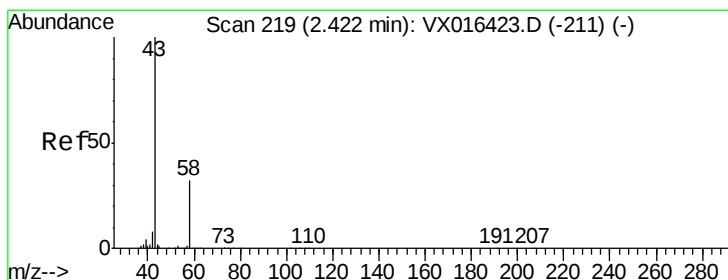
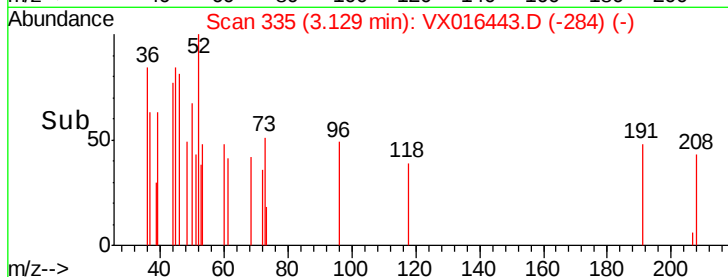
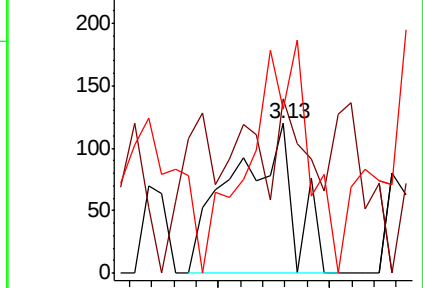
51 147.8 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 1.486 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016443.D

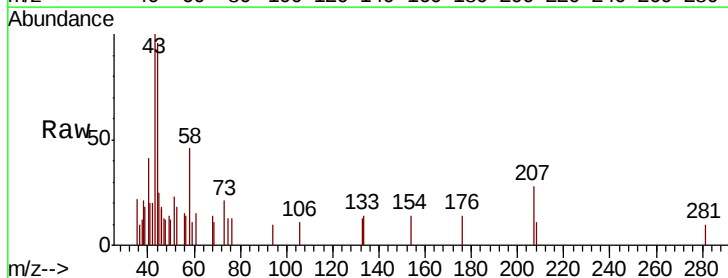
Acq: 26 May 2020 22:14

Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

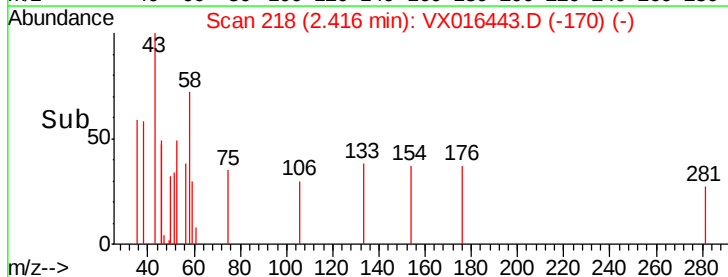
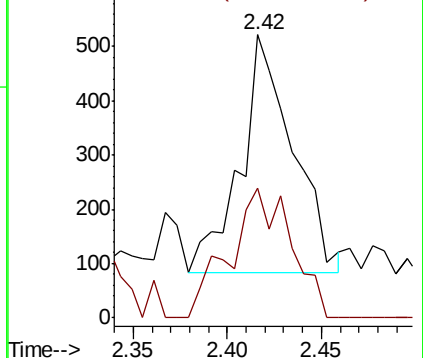
43 100

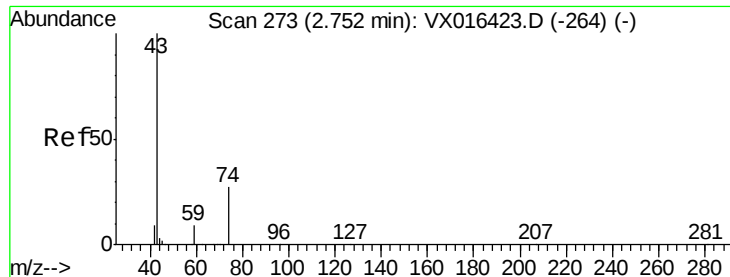
58 54.8 26.0 39.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#18

Methyl Acetate

Concen: 3.450 ug/l

RT: 2.75 min Scan# 272

Delta R.T. -0.01 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

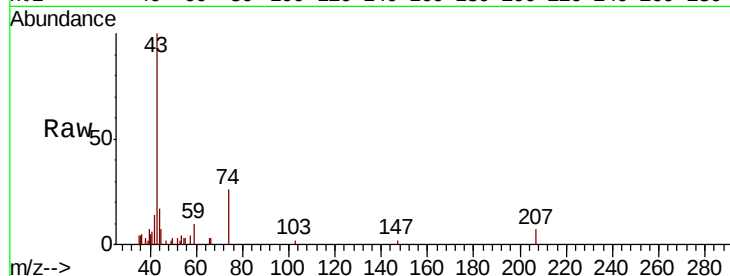
ClientSampled :

Tot Ion: 43 Resp: 4752

Ion Ratio Lower Upper

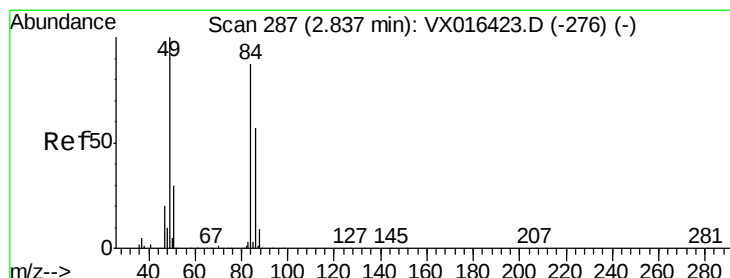
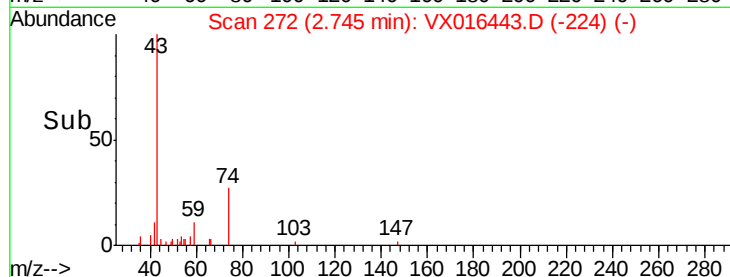
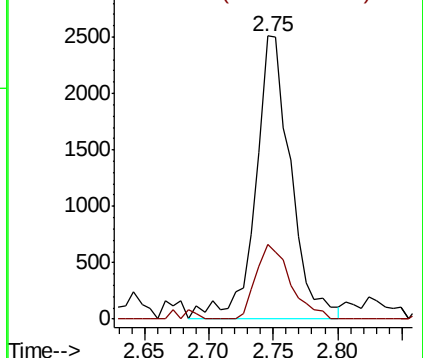
43 100

74 25.9 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#20

Methylene Chloride

Concen: 0.358 ug/l

RT: 2.84 min Scan# 287

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Tgt Ion: 84 Resp: 436

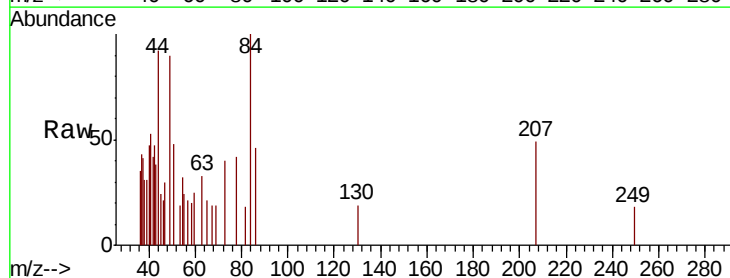
Ion Ratio Lower Upper

84 100

49 90.4 92.2 138.4#

51 24.6 27.8 41.8#

86 45.7 52.5 78.7#

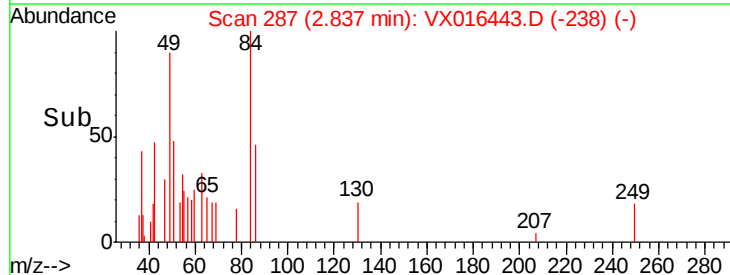
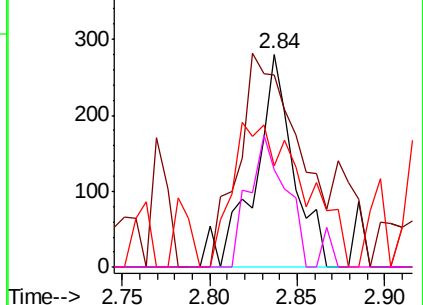


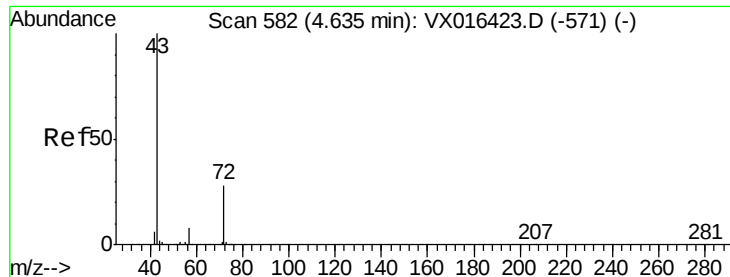
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 0.251 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

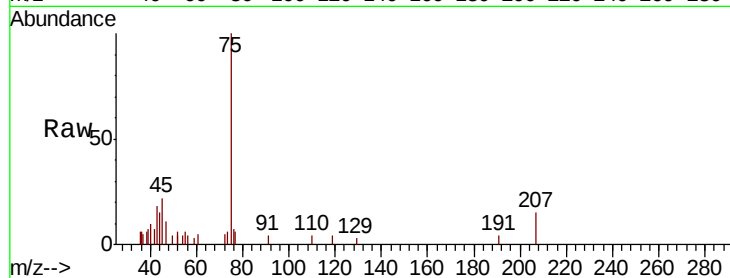
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 230

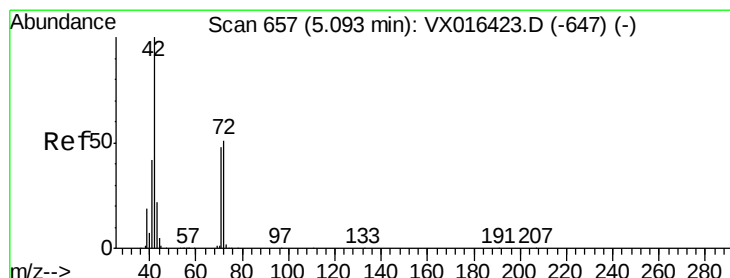
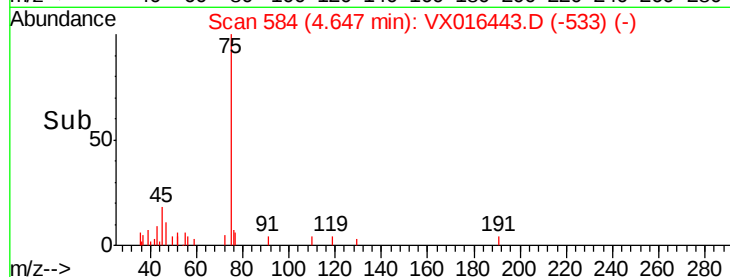
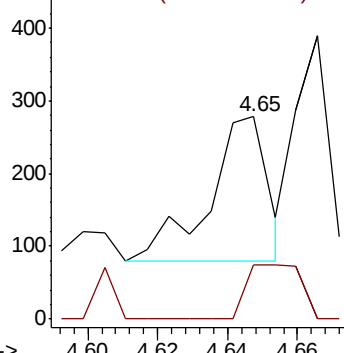
Ion Ratio Lower Upper

43 100

72 37.9 22.7 34.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.311 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

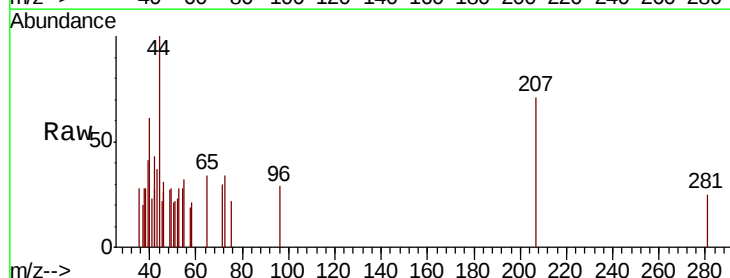
Tgt Ion: 42 Resp: 185

Ion Ratio Lower Upper

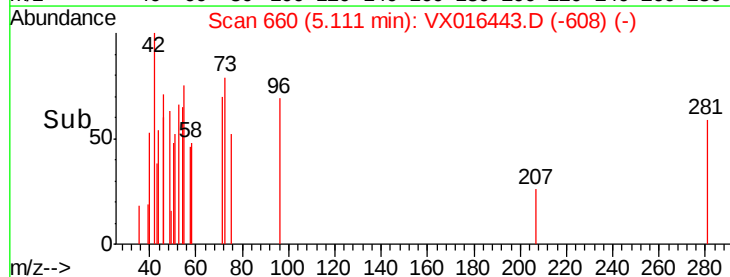
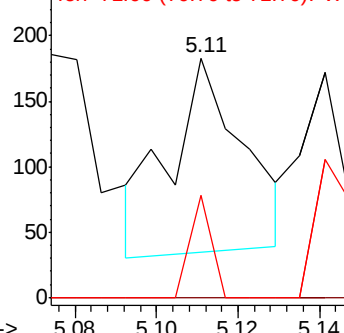
42 100

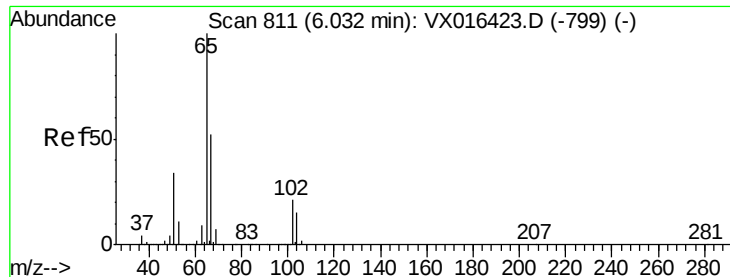
72 0.0 40.2 60.4#

71 15.7 37.7 56.5#



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





#33

1,2-Dichloroethane-d4

Concen: 54.767 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

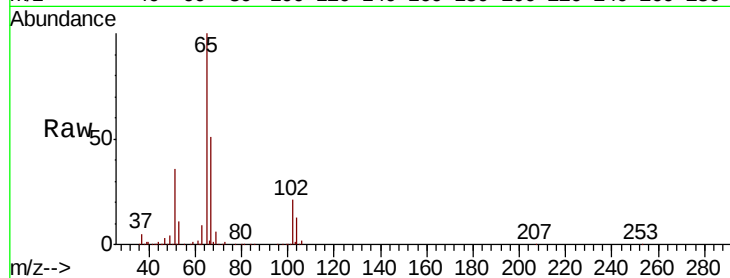
ClientSampleId :

Tot Ion: 65 Resp: 77654

Ion Ratio Lower Upper

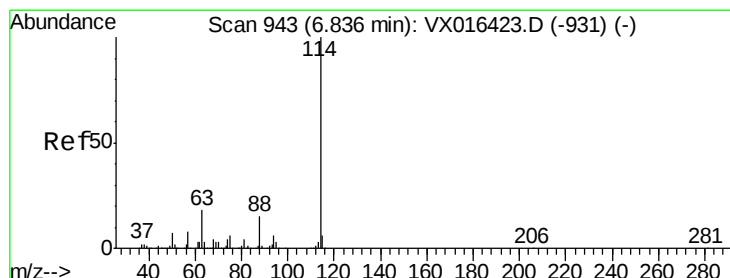
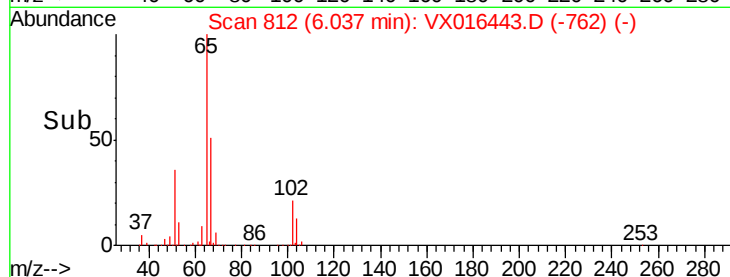
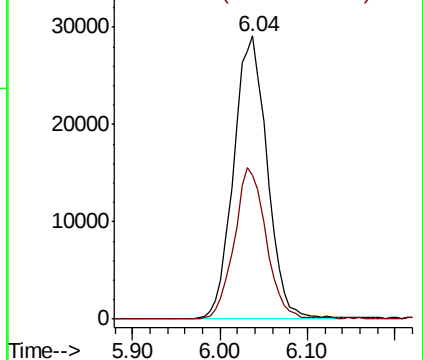
65 100

67 51.3 0.0 104.2



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: 6.84 min Scan# 943

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

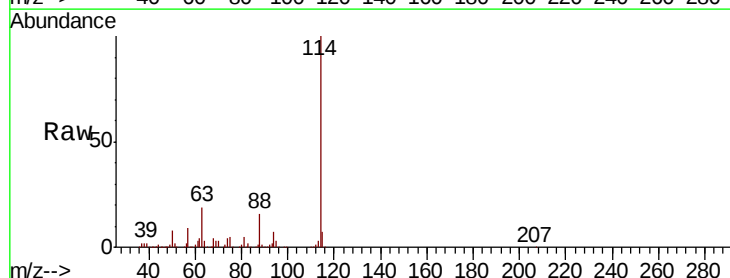
Tgt Ion: 114 Resp: 194741

Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.4

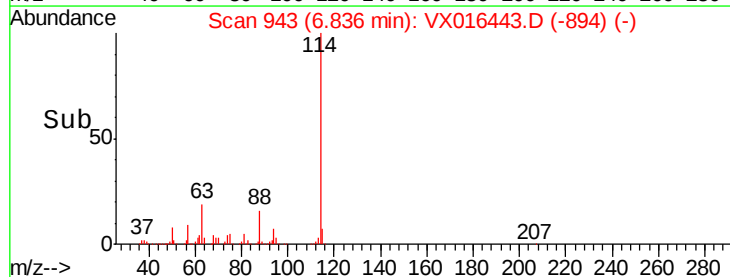
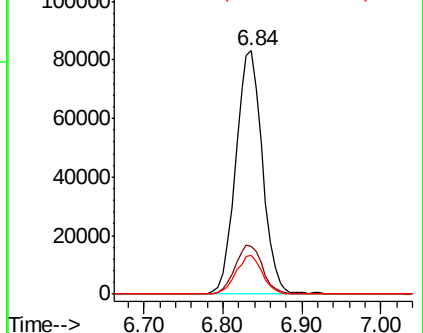
88 15.9 0.0 29.2

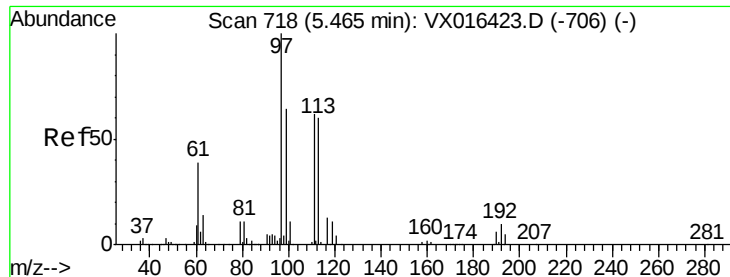


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

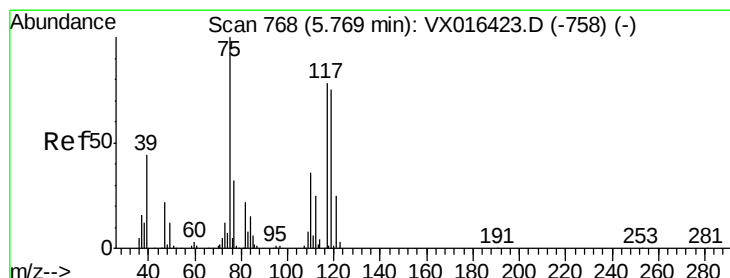
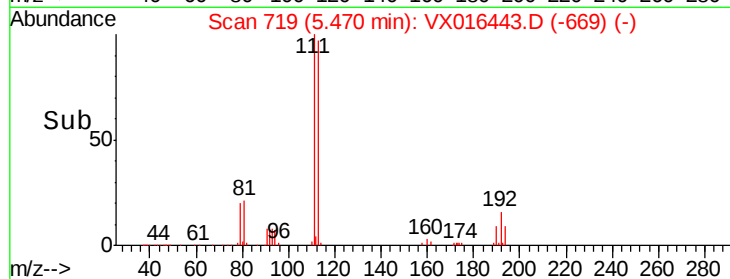
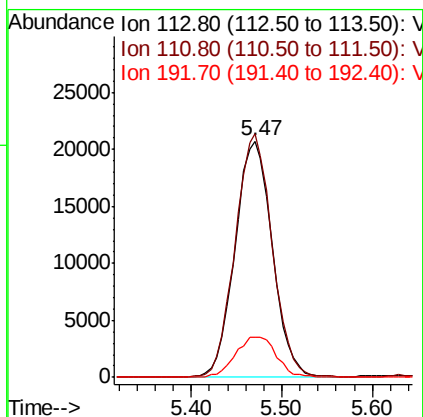
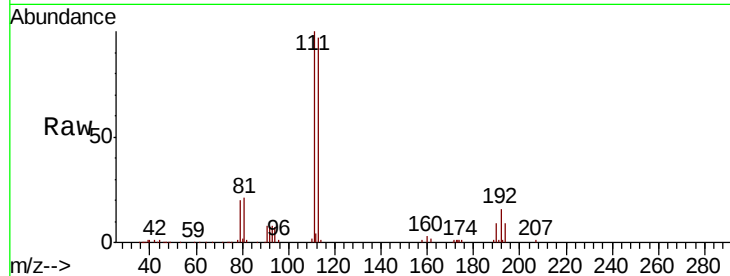




#35
 Dibromofluoromethane
 Concen: 47.522 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. 0.01 min
 Lab File: VX016443.D
 Acq: 26 May 2020 22:14

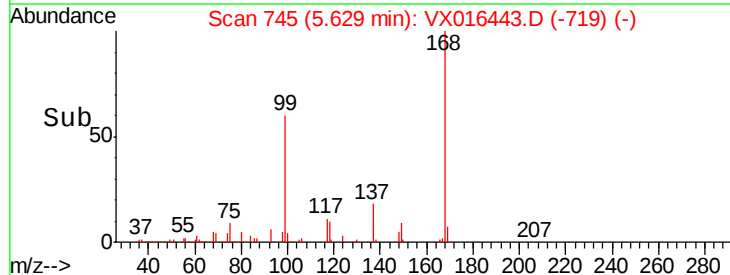
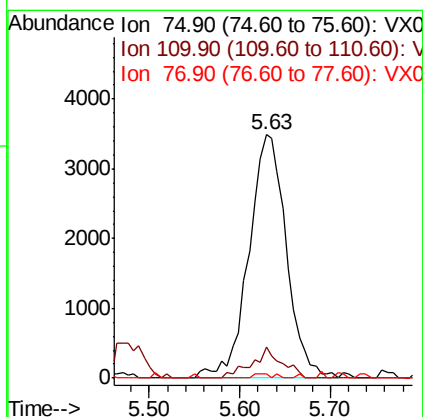
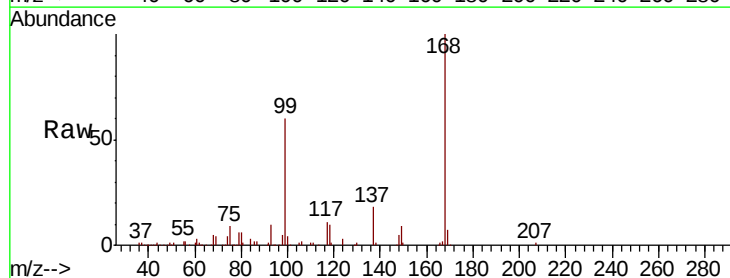
Instrument :
 MSVOA_X
 ClientSampled :

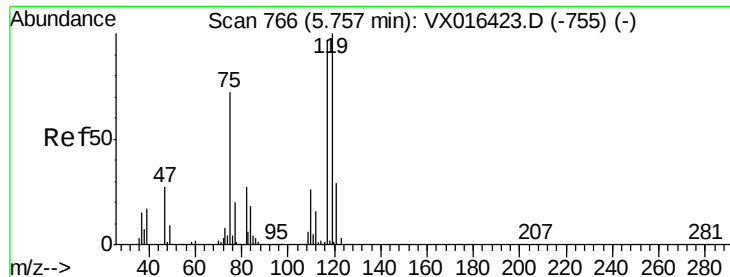
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.5	123.7
192	18.5	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 5.770 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016443.D
 Acq: 26 May 2020 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.1	18.7	56.1#
77	0.9	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.155 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

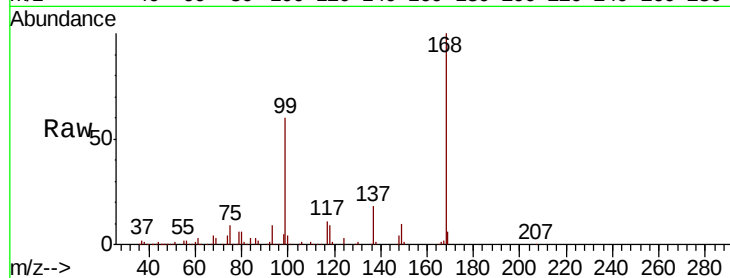
Tot Ion:117 Resp: 11516

Ion Ratio Lower Upper

117 100

119 6.8 82.2 123.4#

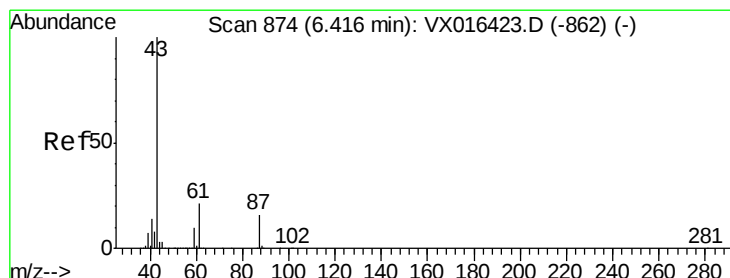
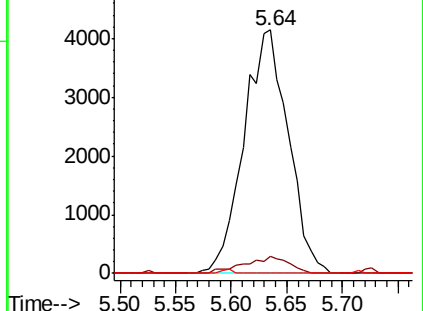
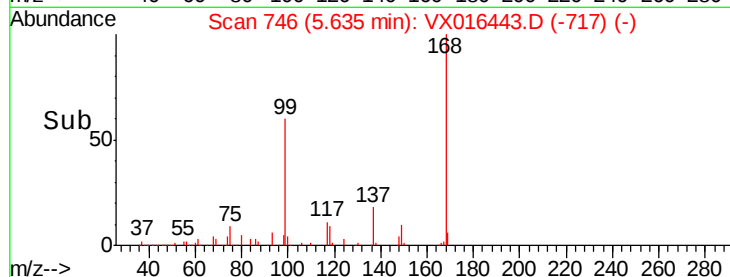
121 0.0 24.1 36.1#



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: 0.324 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

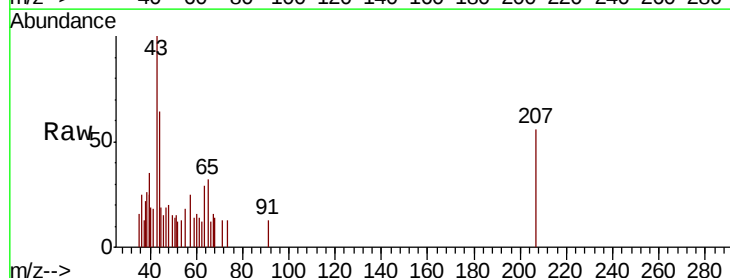
Tgt Ion: 43 Resp: 993

Ion Ratio Lower Upper

43 100

61 12.7 17.2 25.8#

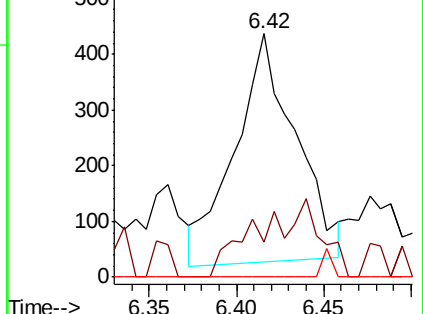
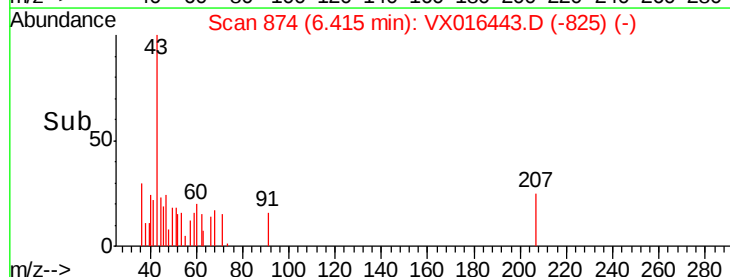
87 0.0 12.3 18.5#

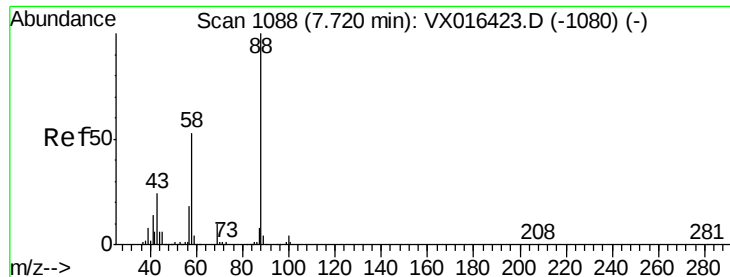


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#49

1,4-Dioxane

Concen: 0.557 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.06 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampled :

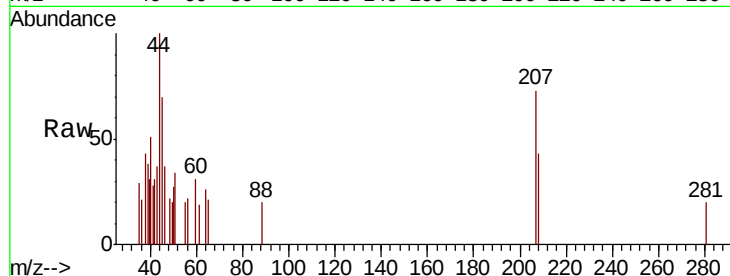
Tot Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 23.0 34.6#

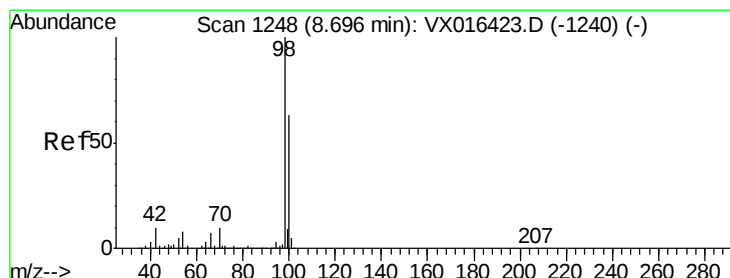
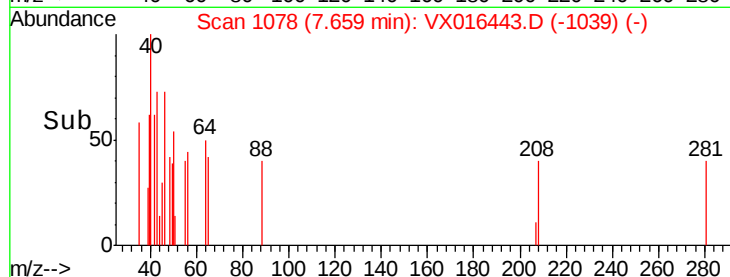
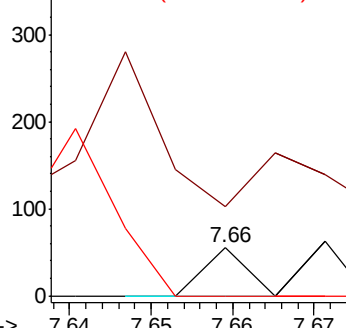
58 810.0 51.7 77.5#



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: 53.836 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016443.D

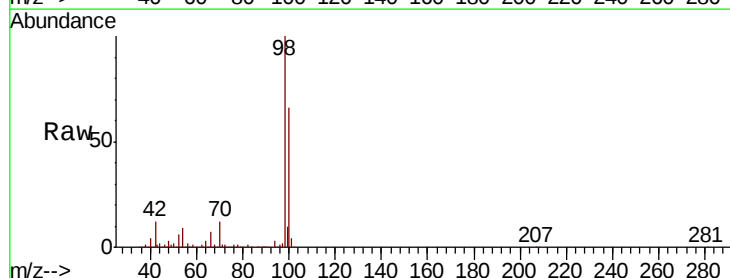
Acq: 26 May 2020 22:14

Tgt Ion: 98 Resp: 247008

Ion Ratio Lower Upper

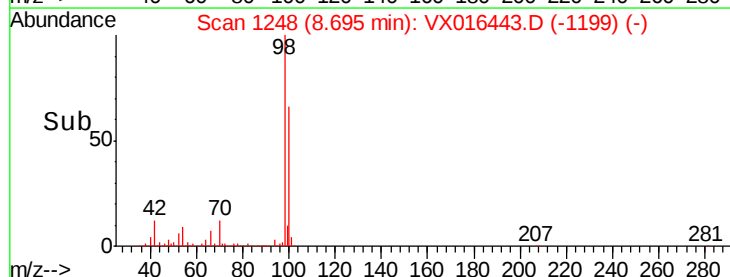
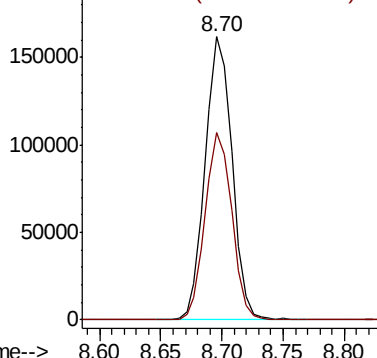
98 100

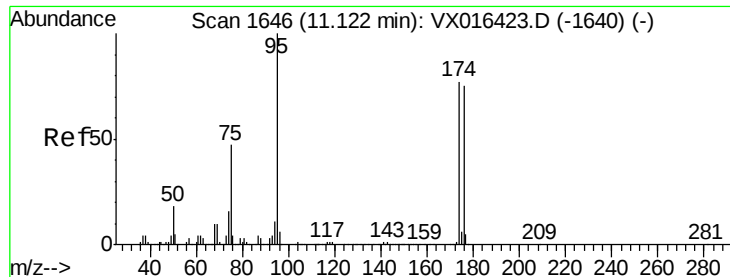
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 58.110 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

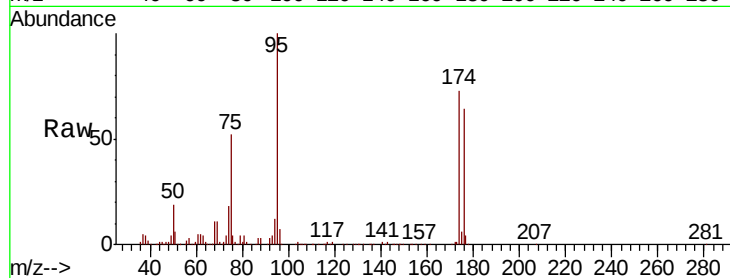
Tot Ion: 95 Resp: 98945

Ion Ratio Lower Upper

95 100

174 75.0 0.0 162.6

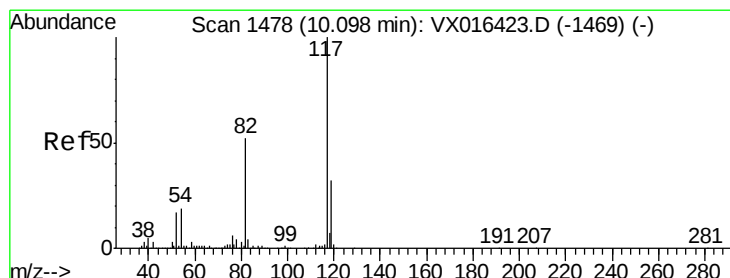
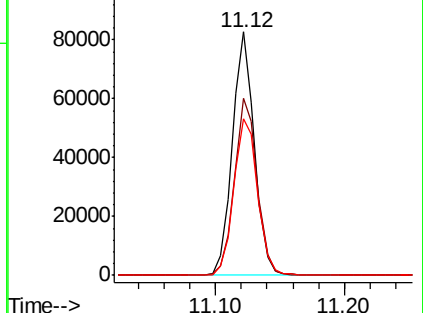
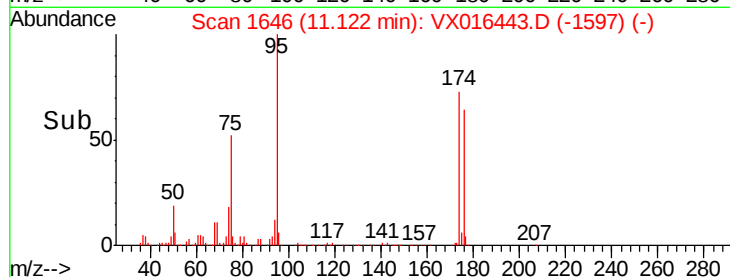
176 69.3 0.0 158.2



Abundance Ion 94.90 (94.60 to 95.60): VX016443.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016443.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016443.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

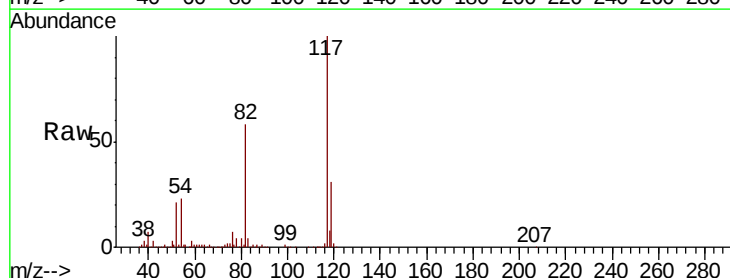
Tgt Ion: 117 Resp: 195266

Ion Ratio Lower Upper

117 100

82 58.1 41.8 62.6

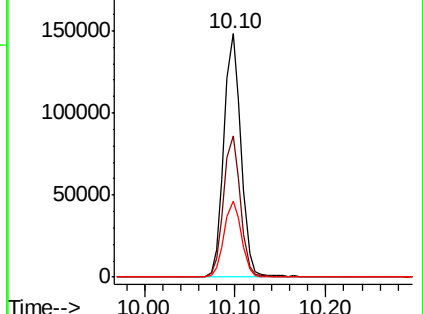
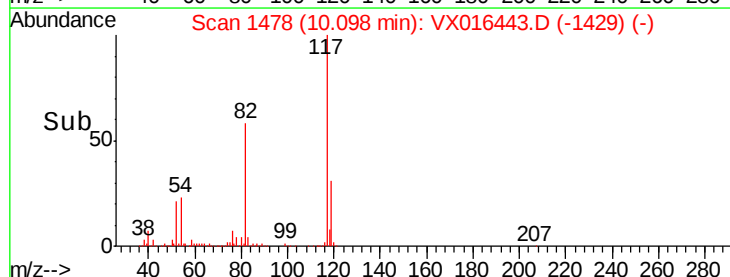
119 31.1 25.7 38.5

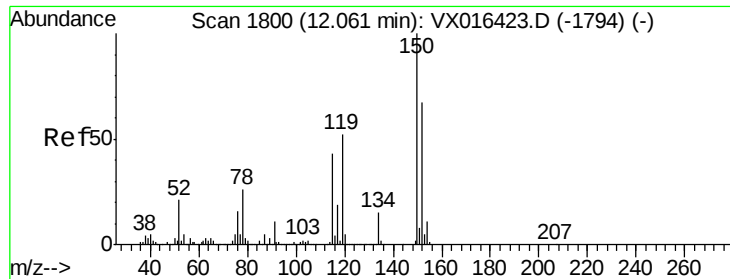


Abundance Ion 116.90 (116.60 to 117.60): VX016443.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016443.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016443.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

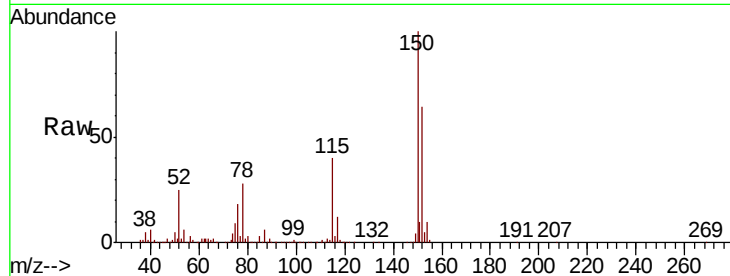
Tot Ion:152 Resp: 97626

Ion Ratio Lower Upper

152 100

115 59.9 40.4 121.2

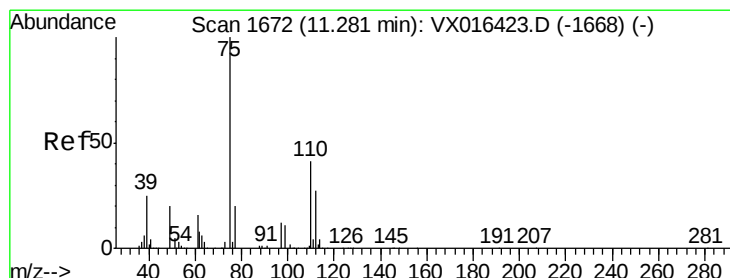
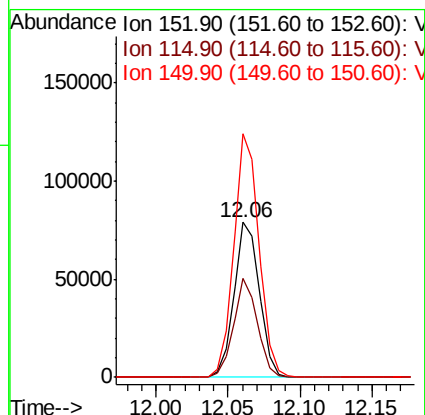
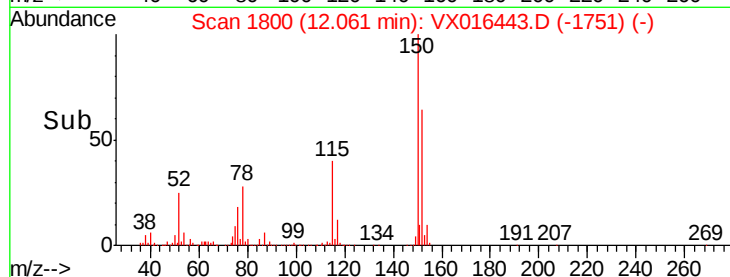
150 155.9 0.0 345.8



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: 25.770 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016443.D

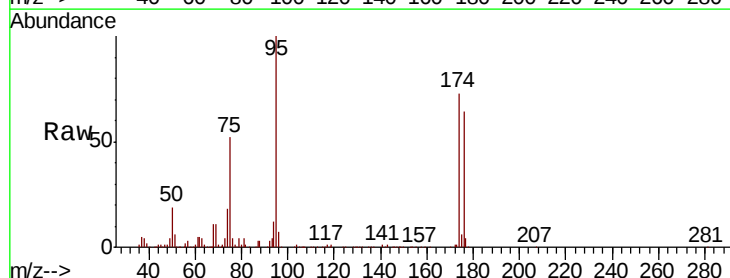
Acq: 26 May 2020 22:14

Tgt Ion: 75 Resp: 52216

Ion Ratio Lower Upper

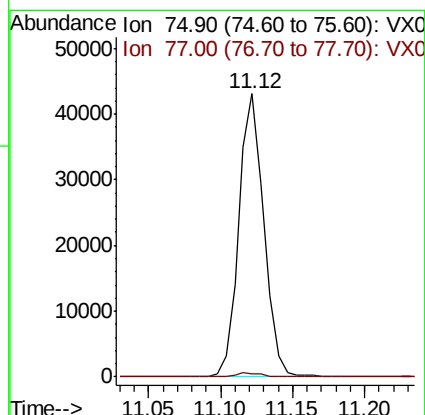
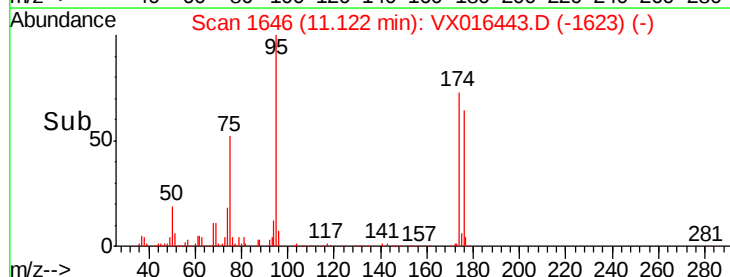
75 100

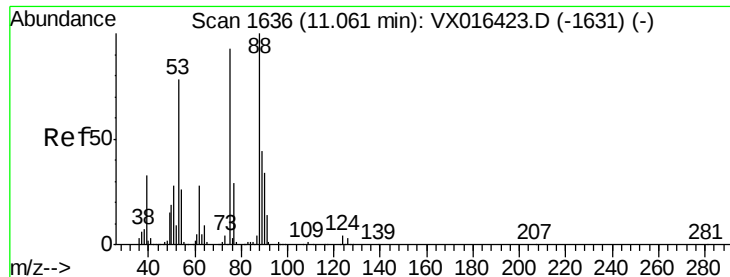
77 1.5 21.4 64.3#



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: 61.971 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016443.D

Acq: 26 May 2020 22:14

Instrument :

MSVOA_X

ClientSampleId :

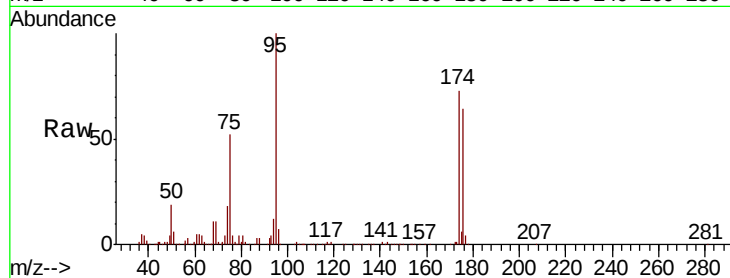
Tot Ion: 75 Resp: 52216

Ion Ratio Lower Upper

75 100

53 0.3 69.4 104.2#

89 0.0 37.0 55.6#



Abundance

Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

