

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102819\NOT REVIEWED DATA\
 Data File : VX013241.D
 Acq On : 28 Oct 2019 12:28
 Operator : JC/SP
 Sample : VX1028WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL01

Quant Time: Oct 29 19:21:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102419W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 24 03:56:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	82510	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	115219	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	112859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	69043	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	92305	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
35) Dibromofluoromethane	5.48	113	71075	55.32	ug/l	0.00
Spiked Amount			Recovery	=	110.64%	
50) Toluene-d8	8.71	98	253321	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
62) 4-Bromofluorobenzene	11.13	95	94335	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	

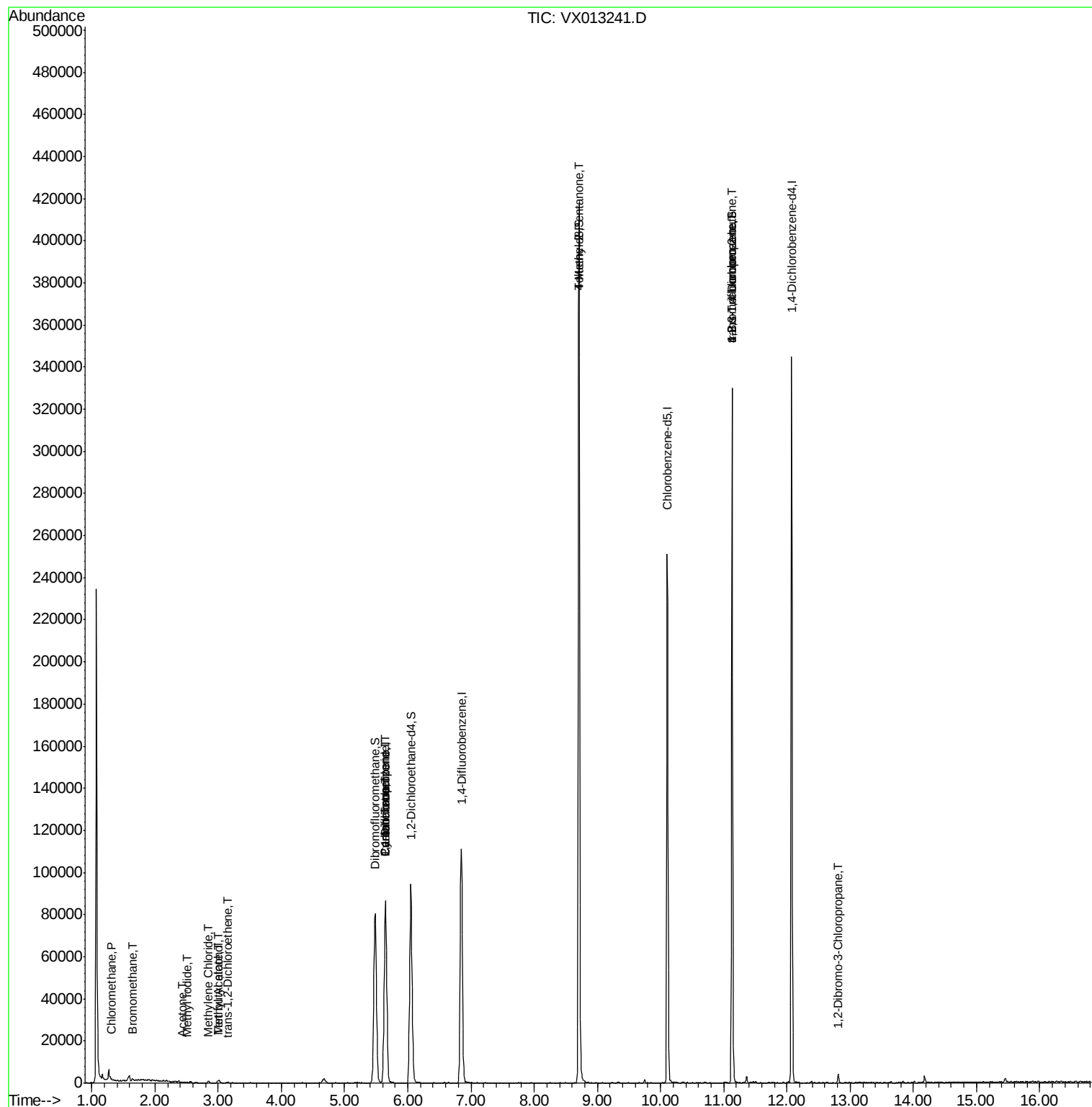
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	27	0.997	ug/l #	40
5) Bromomethane	1.64	94	360	0.453	ug/l #	80
6) Chloroethane	1.69	64	339	Below Cal	#	43
10) Methyl Iodide	2.51	142	392	3.738	ug/l #	77
11) Tert butyl alcohol	3.01	59	1026	1.685	ug/l #	72
16) Acetone	2.43	43	225	0.277	ug/l	100
18) Methyl Acetate	3.01	43	79	1.012	ug/l #	49
20) Methylene Chloride	2.84	84	440	0.576	ug/l #	65
21) trans-1,2-Dichloroethene	3.15	96	71	0.524	ug/l	86
31) Cyclohexane	5.64	56	1658	0.743	ug/l #	31
36) 1,1-Dichloropropene	5.64	75	6119	3.100	ug/l #	49
38) Carbon Tetrachloride	5.65	117	8123	3.814	ug/l #	14
51) 4-Methyl-2-Pentanone	8.72	43	1013	0.521	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	47116	28.314	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	47116	77.805	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	115	0.243	ug/l #	1

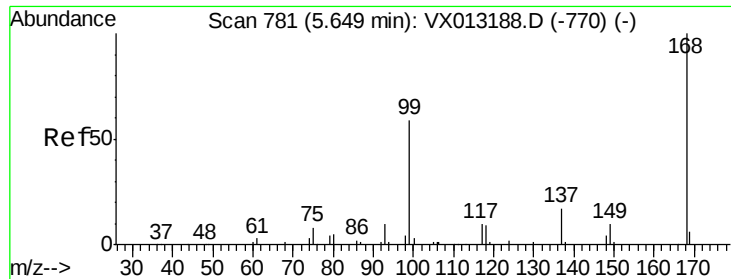
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 24 03:56:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

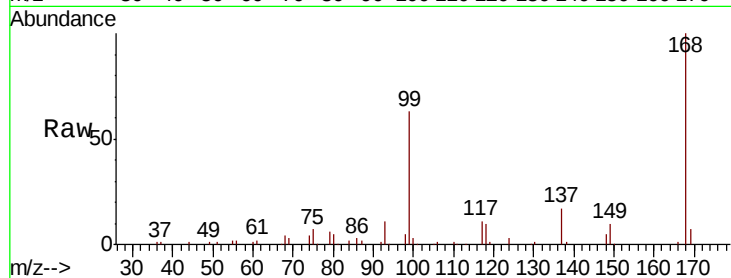
VX1028WBL01

Tot Ion:168 Resp: 82510

Ion Ratio Lower Upper

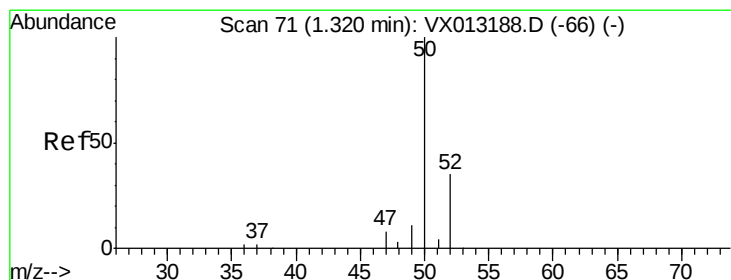
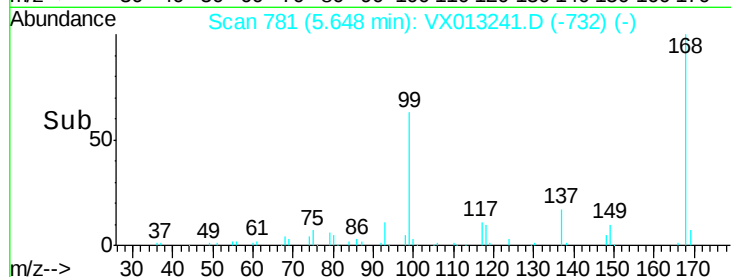
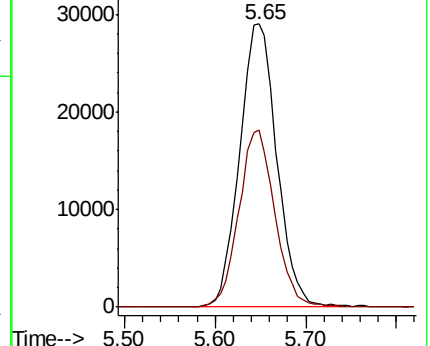
168 100

99 62.6 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.997 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013241.D

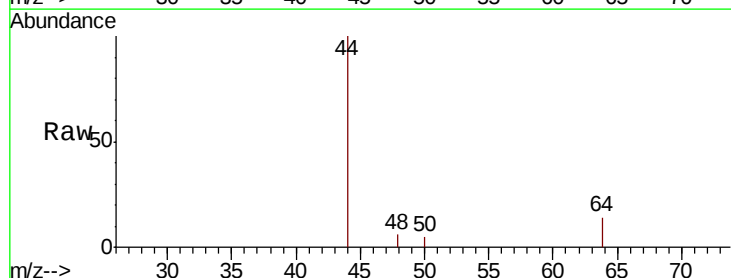
Acq: 28 Oct 2019 12:28

Tgt Ion: 50 Resp: 27

Ion Ratio Lower Upper

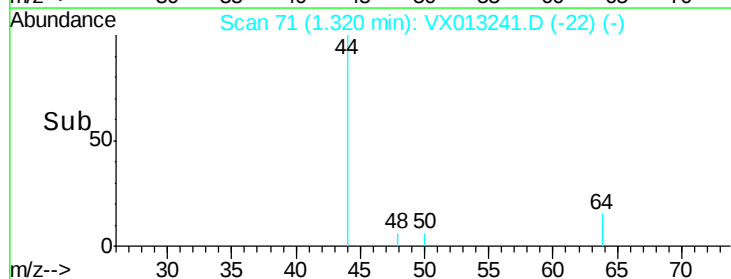
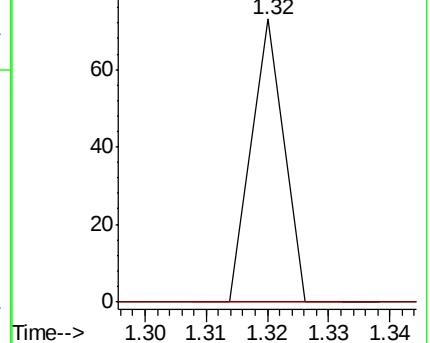
50 100

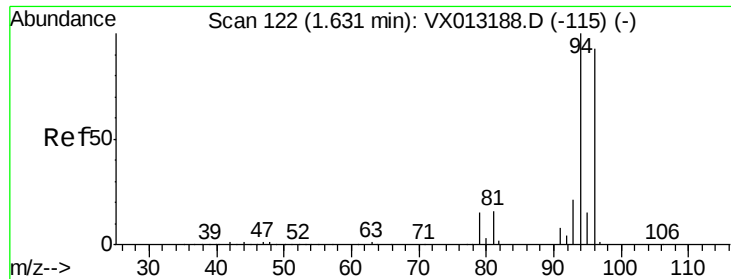
52 0.0 27.8 41.6#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.453 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampled :

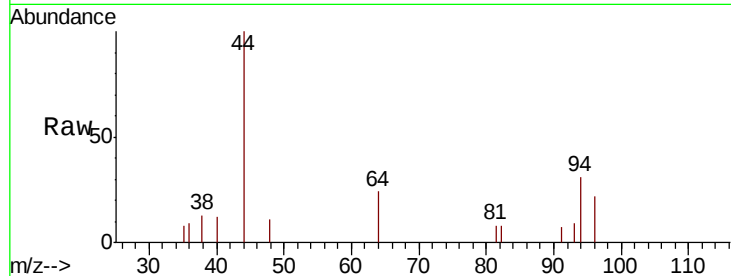
VX1028WBL01

Tot Ion: 94 Resp: 360

Ion Ratio Lower Upper

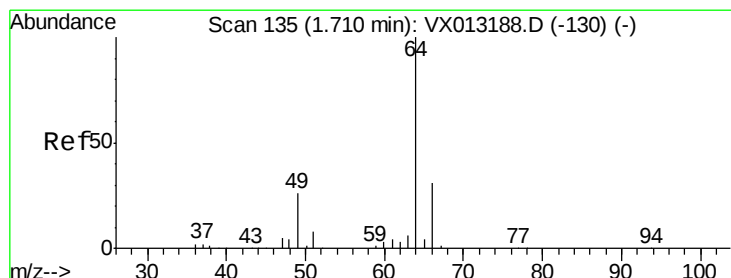
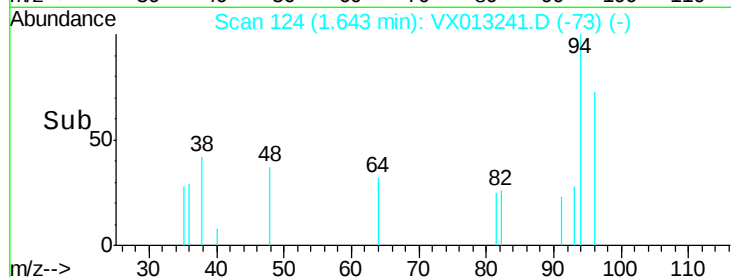
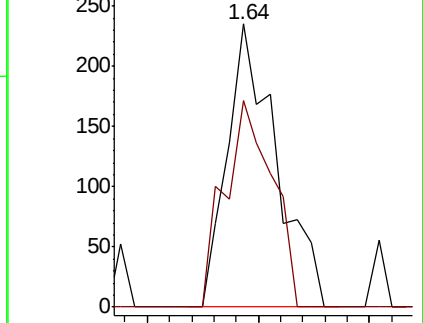
94 100

96 73.2 74.2 111.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 131

Delta R.T. -0.02 min

Lab File: VX013241.D

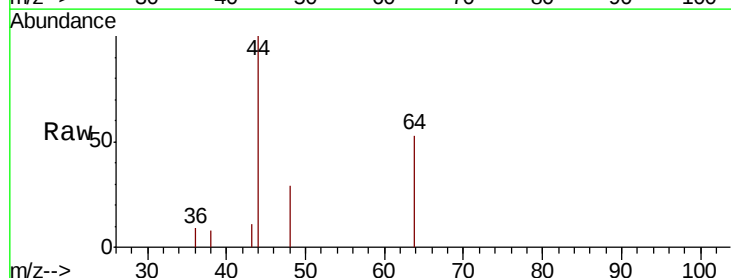
Acq: 28 Oct 2019 12:28

Tgt Ion: 64 Resp: 339

Ion Ratio Lower Upper

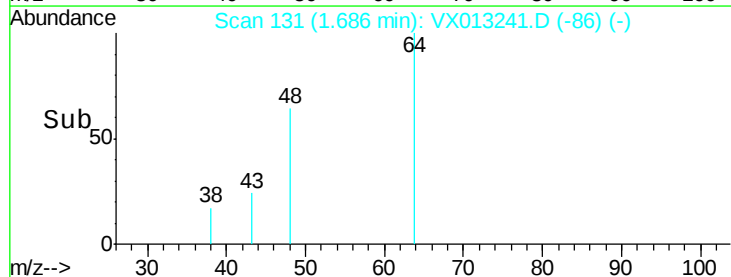
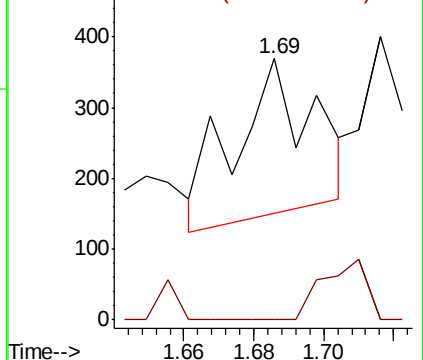
64 100

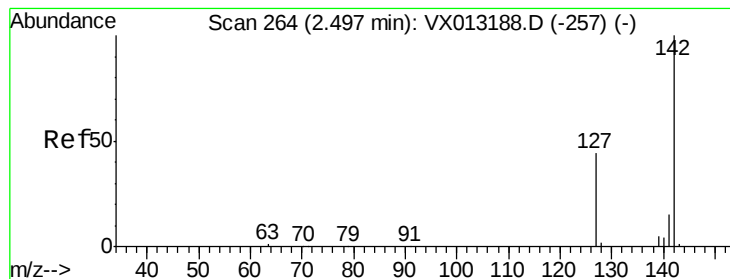
66 0.0 25.0 37.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#10

Methvl Iodide

Concen: 3.738 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

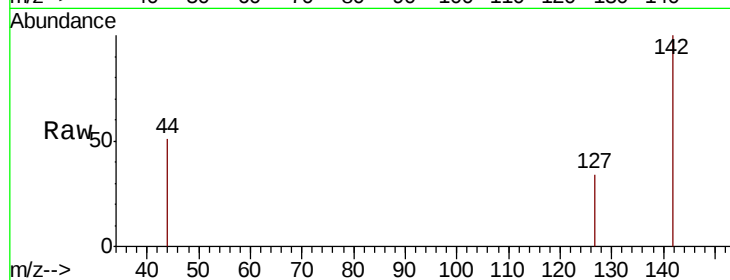
Tot Ion:142 Resp: 392

Ion Ratio Lower Upper

142 100

127 32.4 35.6 53.4#

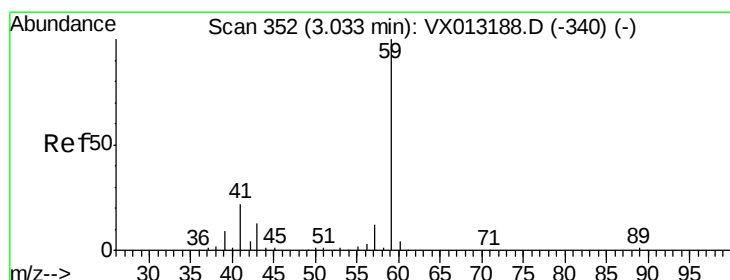
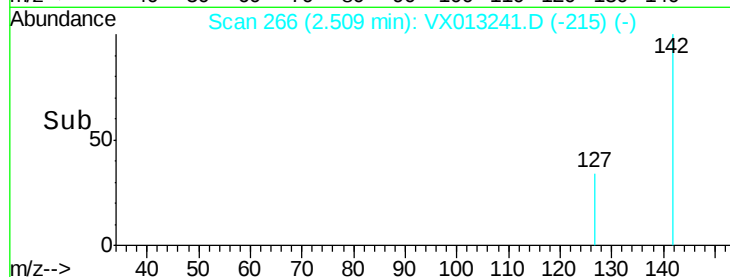
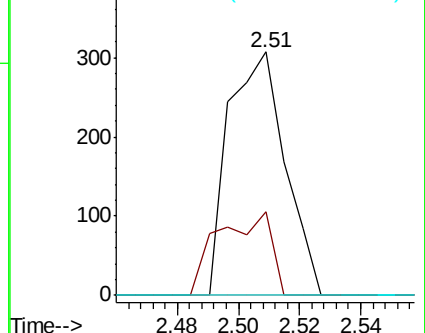
141 0.0 11.6 17.4#



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



#11

Tert butyl alcohol

Concen: 1.685 ug/l

RT: 3.01 min Scan# 348

Delta R.T. -0.02 min

Lab File: VX013241.D

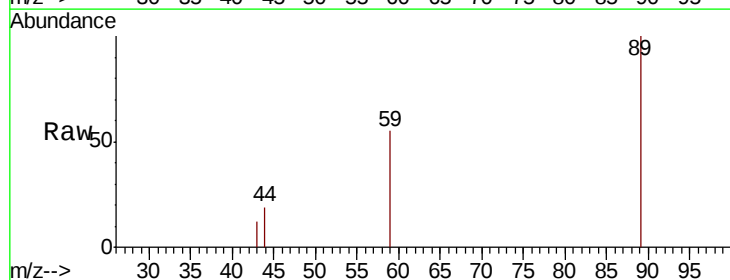
Acq: 28 Oct 2019 12:28

Tgt Ion: 59 Resp: 1026

Ion Ratio Lower Upper

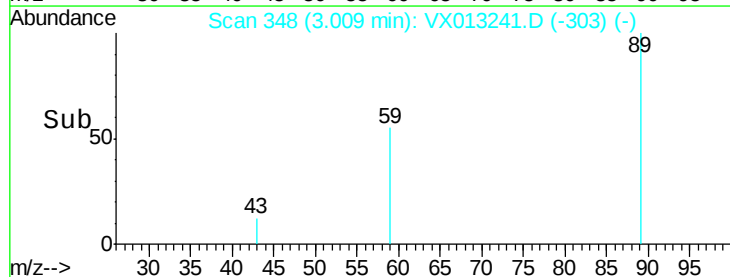
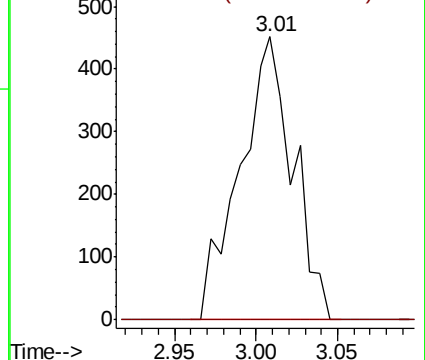
59 100

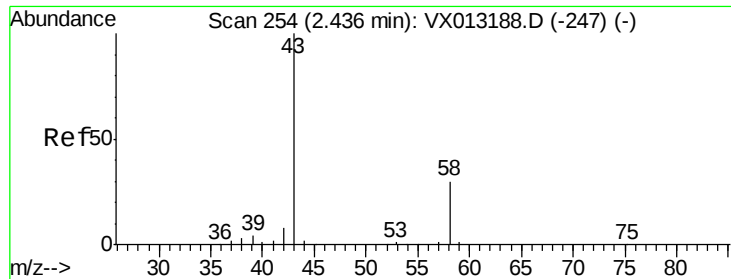
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.277 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

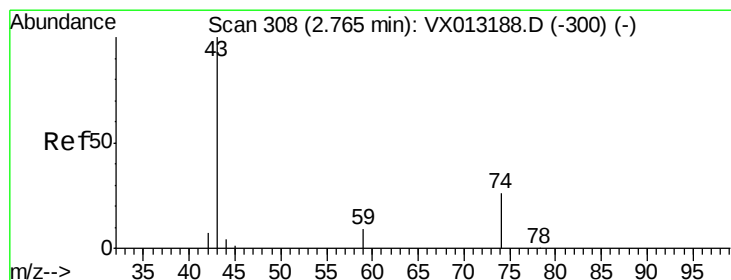
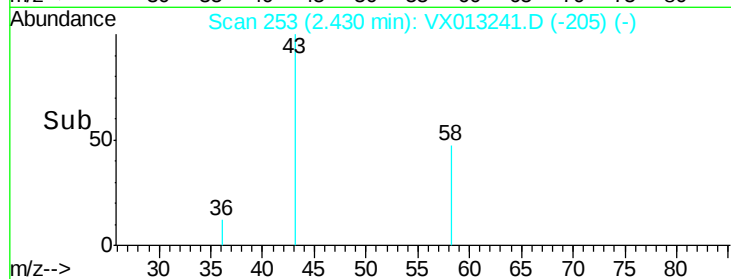
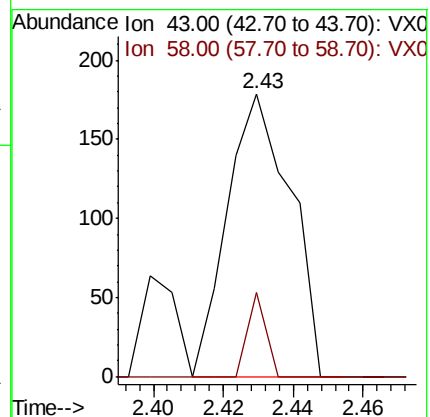
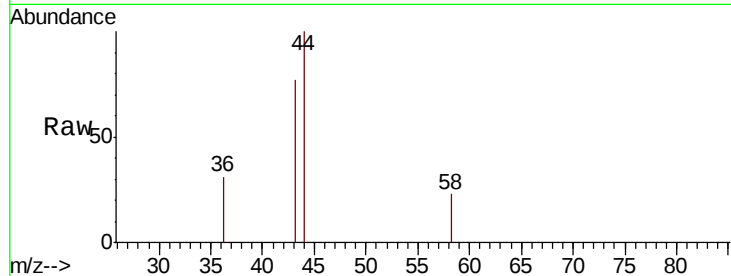
VX1028WBL01

Tot Ion: 43 Resp: 225

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.6



#18

Methyl Acetate

Concen: 1.012 ug/l

RT: 3.01 min Scan# 348

Delta R.T. 0.24 min

Lab File: VX013241.D

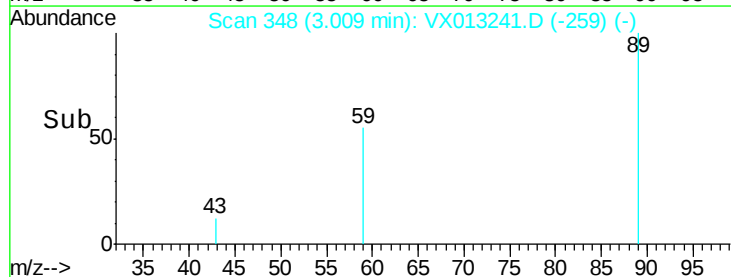
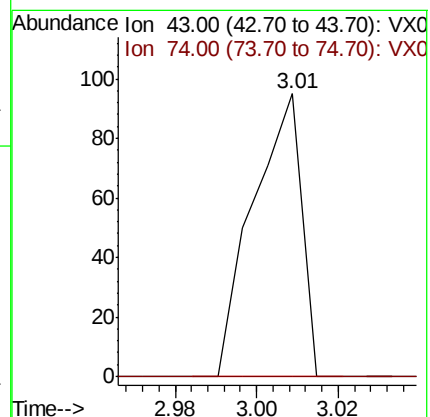
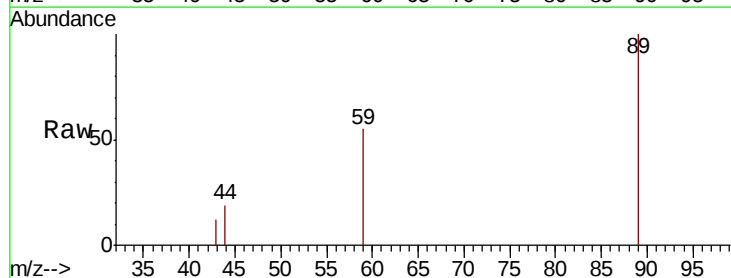
Acq: 28 Oct 2019 12:28

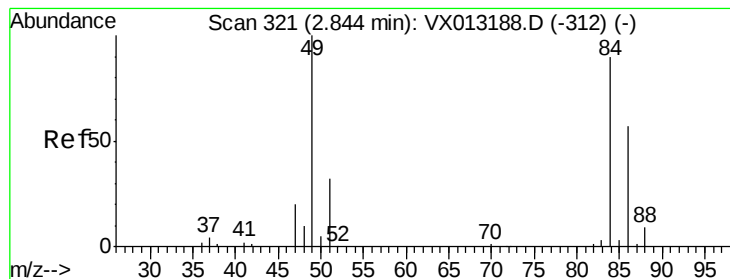
Tgt Ion: 43 Resp: 79

Ion Ratio Lower Upper

43 100

74 0.0 20.9 31.3#





#20

Methvlene Chloride

Concen: 0.576 ug/l

RT: 2.84 min Scan# 320

Delta R.T. -0.01 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

Tot Ion: 84 Resp: 440

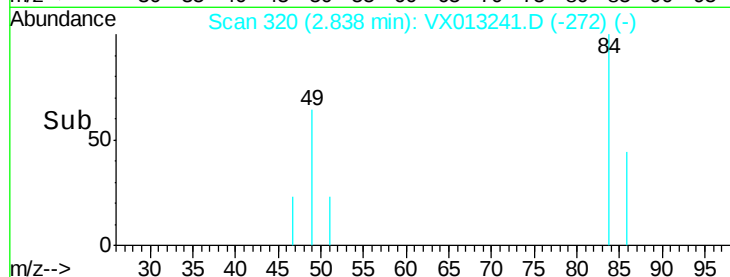
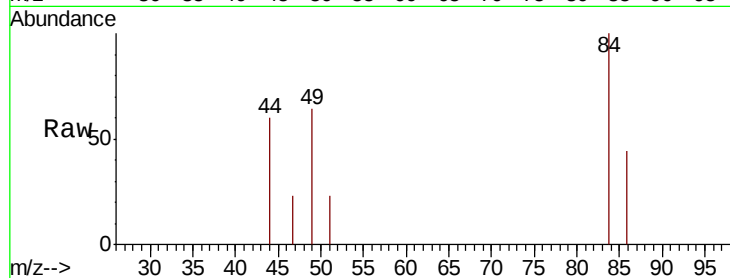
Ion Ratio Lower Upper

84 100

49 64.1 89.2 133.8#

51 22.6 28.8 43.2#

86 44.4 51.2 76.8#

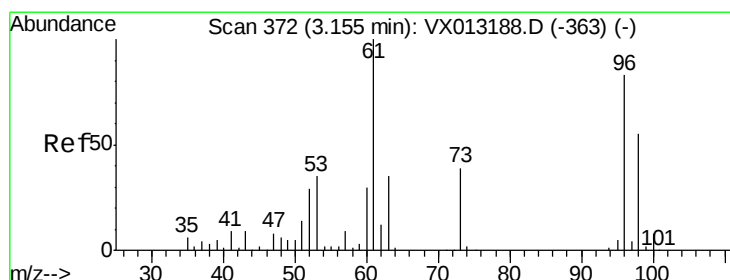
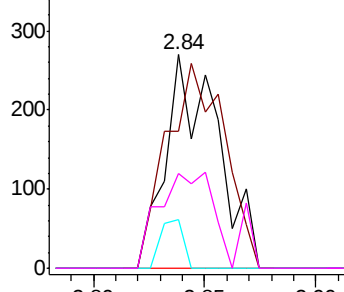


Abundance Ion 83.90 (83.60 to 84.60): VX0

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



#21

trans-1,2-Dichloroethene

Concen: 0.524 ug/l

RT: 3.15 min Scan# 371

Delta R.T. -0.01 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

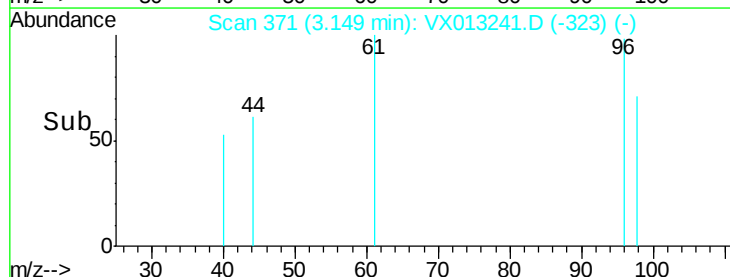
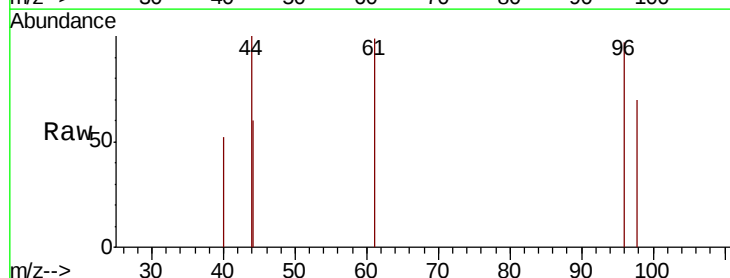
Tgt Ion: 96 Resp: 71

Ion Ratio Lower Upper

96 100

61 102.0 96.9 145.3

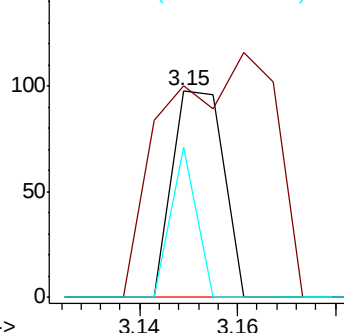
98 72.4 53.0 79.4

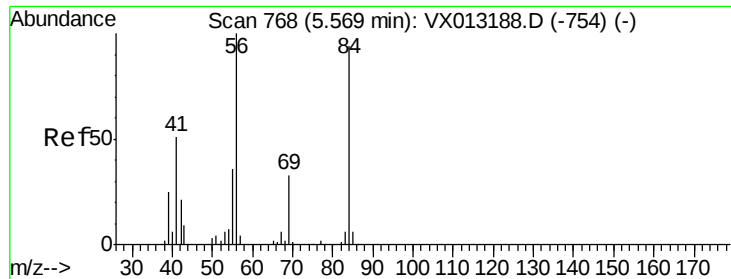


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

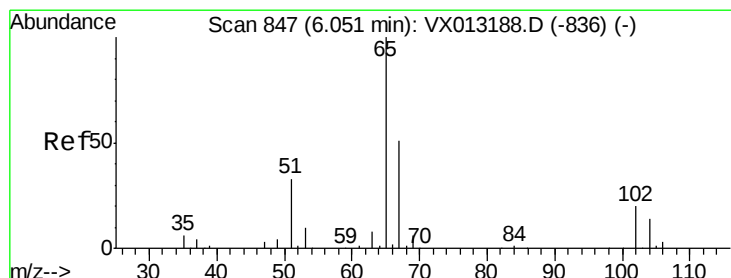
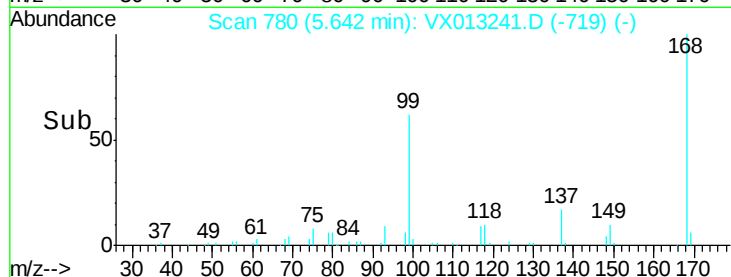
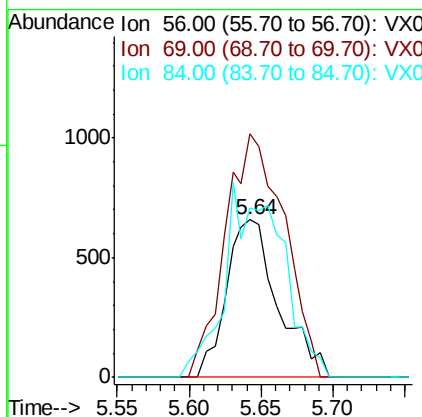
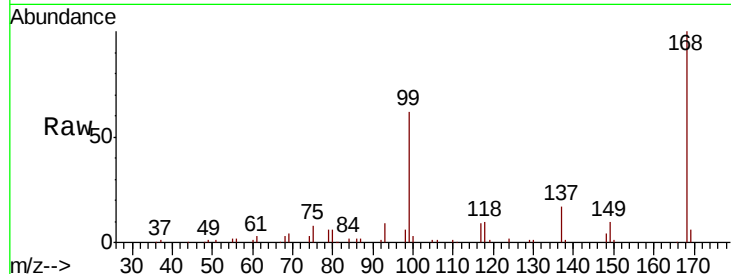




#31
Cyclohexane
Concen: 0.743 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

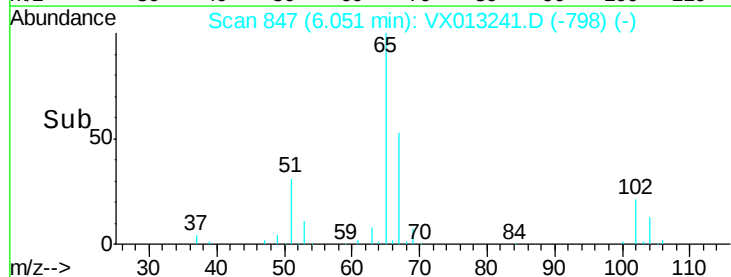
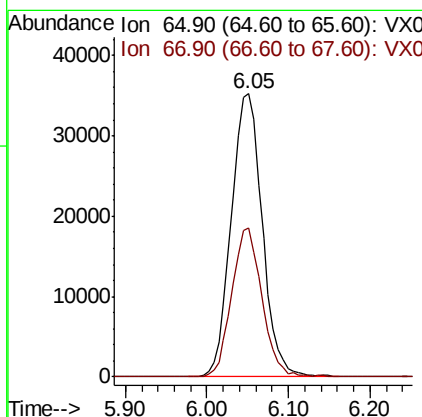
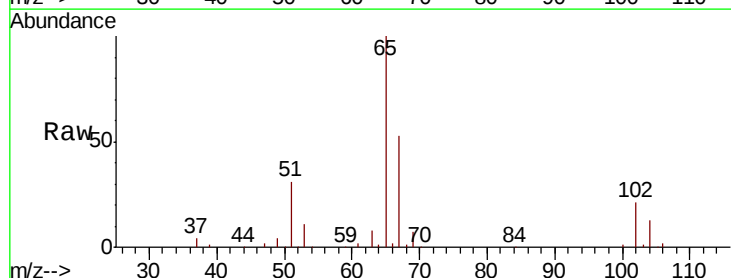
Instrument :
MSVOA_X
ClientSampled :
VX1028WBL01

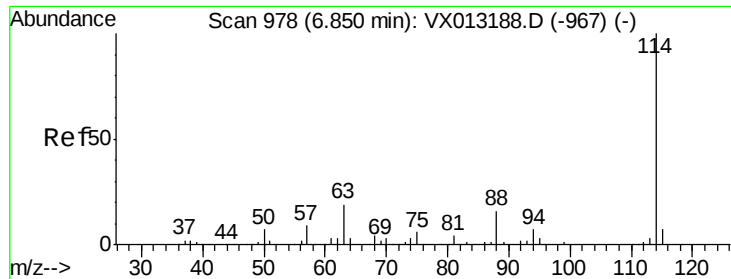
Tot Ion: 56 Resp: 1658
Ion Ratio Lower Upper
56 100
69 154.7 26.3 39.5#
84 107.9 73.8 110.6



#33
1,2-Dichloroethane-d4
Concen: 53.487 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

Tgt Ion: 65 Resp: 92305
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.6

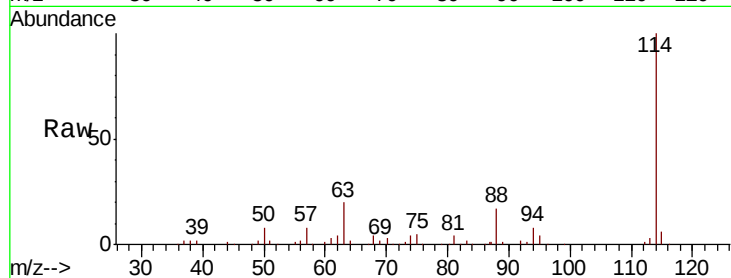




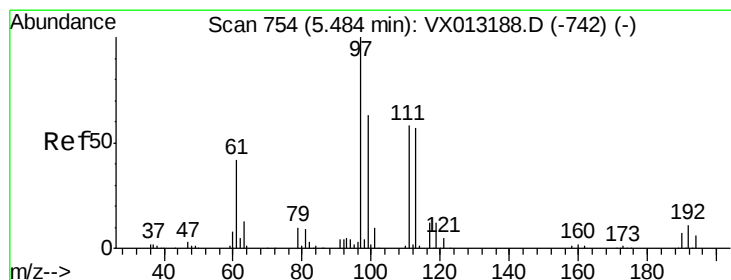
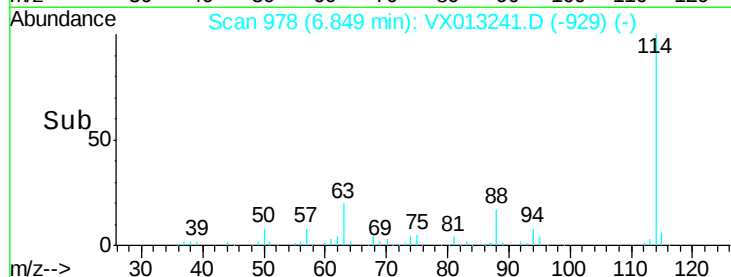
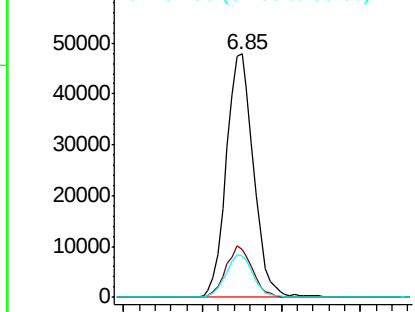
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013241.D
 Acq: 28 Oct 2019 12:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1028WBL01

Tot Ion:114 Resp: 115219
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.0
 88 16.8 0.0 32.0

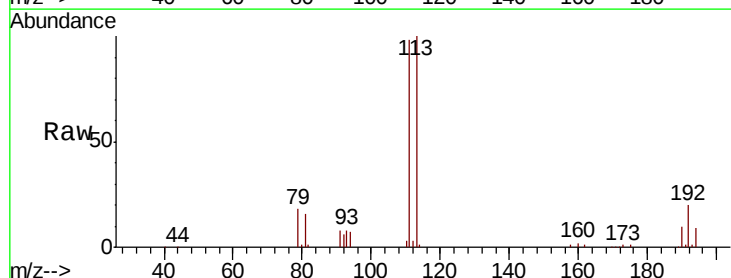


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

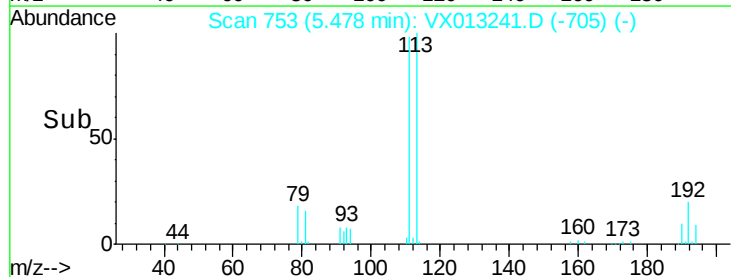
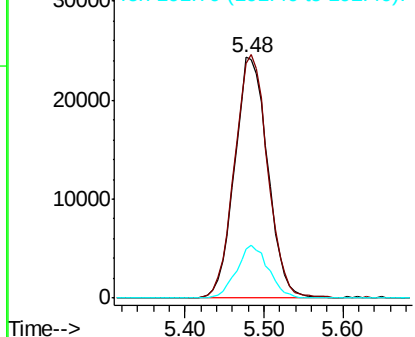


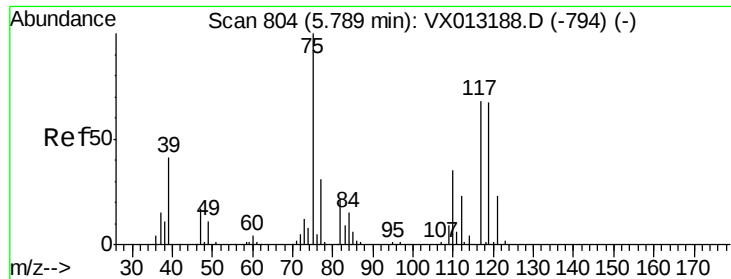
#35
 Dibromofluoromethane
 Concen: 55.317 ug/l
 RT: 5.48 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VX013241.D
 Acq: 28 Oct 2019 12:28

Tgt Ion:113 Resp: 71075
 Ion Ratio Lower Upper
 113 100
 111 101.3 80.3 120.5
 192 21.1 15.9 23.9



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: 3.100 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

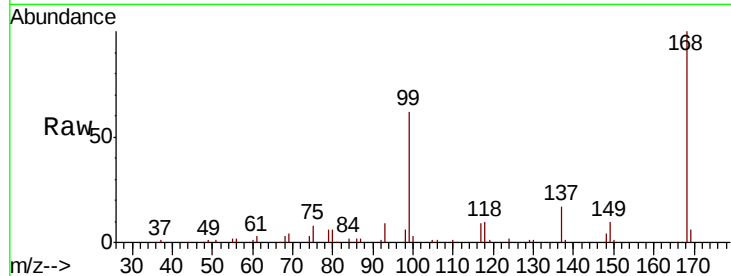
Tot Ion: 75 Resp: 6119

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

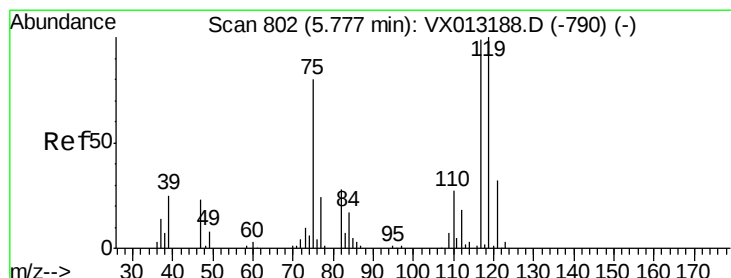
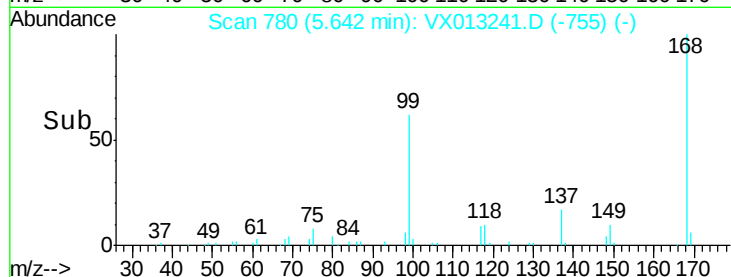
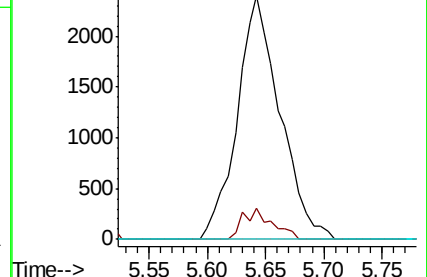
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX013188.D (-794) (-)

Ion 109.90 (109.60 to 110.60): VX013188.D (-794) (-)

Ion 76.90 (76.60 to 77.60): VX013188.D (-794) (-)



#38

Carbon Tetrachloride

Concen: 3.814 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

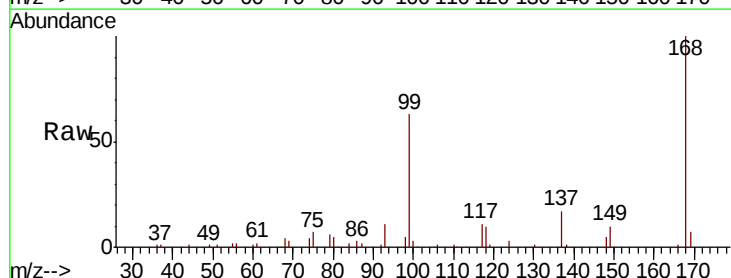
Tgt Ion: 117 Resp: 8123

Ion Ratio Lower Upper

117 100

119 5.4 80.1 120.1#

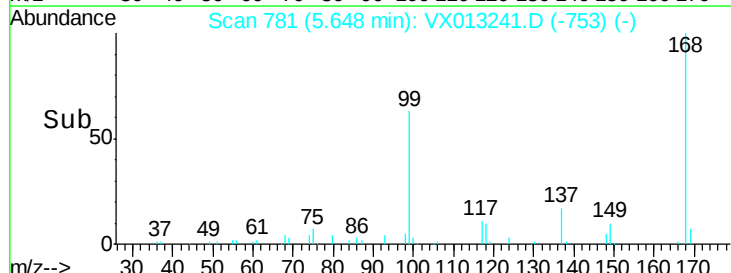
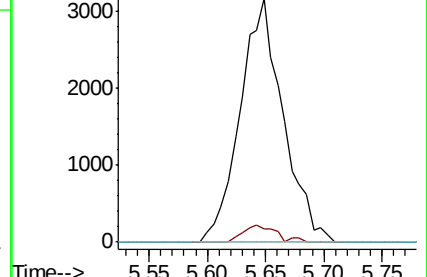
121 0.0 25.5 38.3#

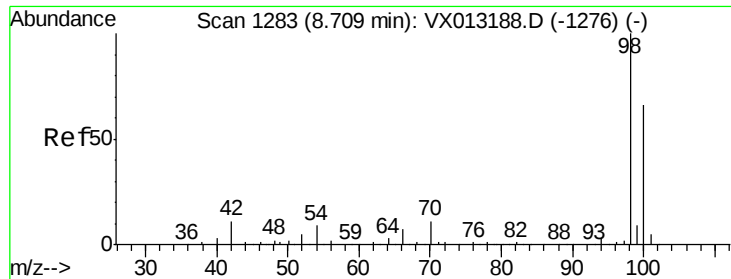


Abundance Ion 116.80 (116.50 to 117.50): VX013188.D (-790) (-)

Ion 118.80 (118.50 to 119.50): VX013188.D (-790) (-)

Ion 120.80 (120.50 to 121.50): VX013188.D (-790) (-)

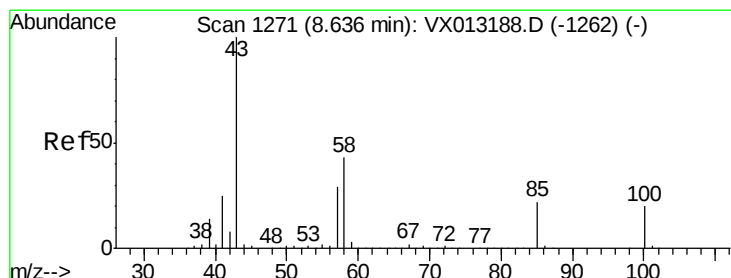
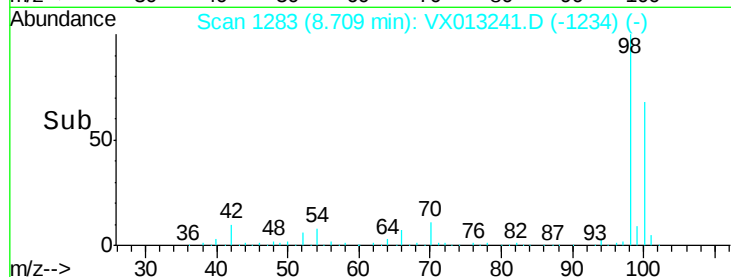
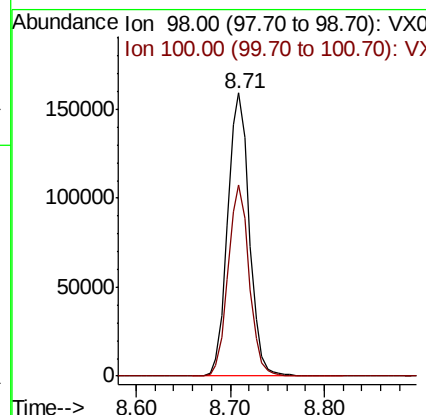
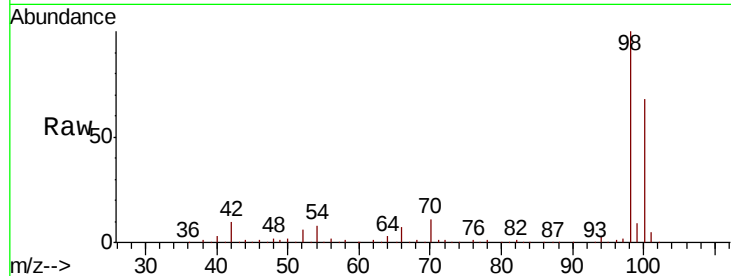




#50
Toluene-d8
Concen: 53.201 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

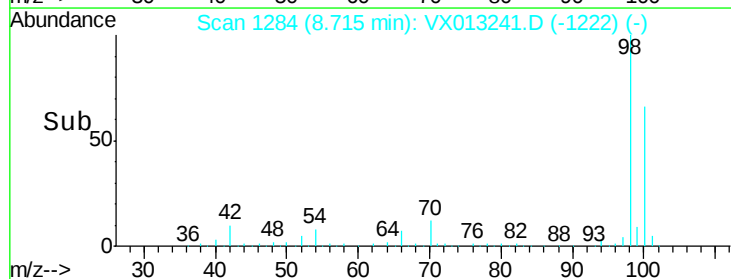
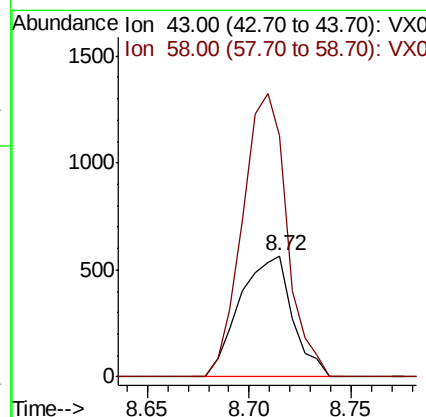
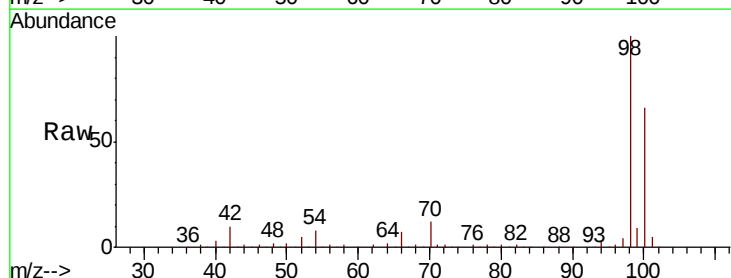
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL01

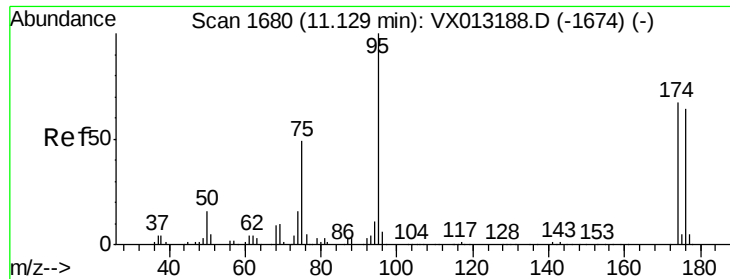
Tot Ion: 98 Resp: 253321
Ion Ratio Lower Upper
98 100
100 65.9 53.3 79.9



#51
4-Methyl-2-Pentanone
Concen: 0.521 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.08 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

Tgt Ion: 43 Resp: 1013
Ion Ratio Lower Upper
43 100
58 198.8 33.9 50.9#

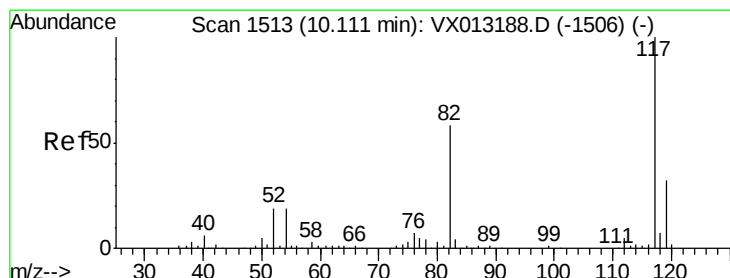
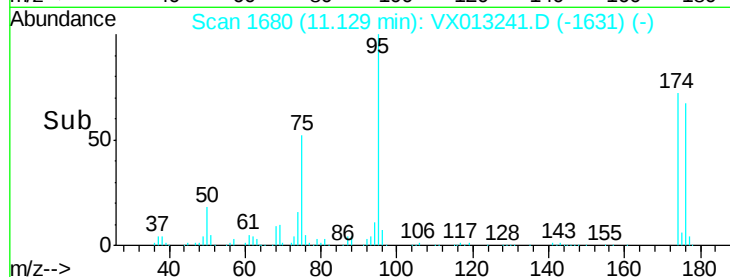
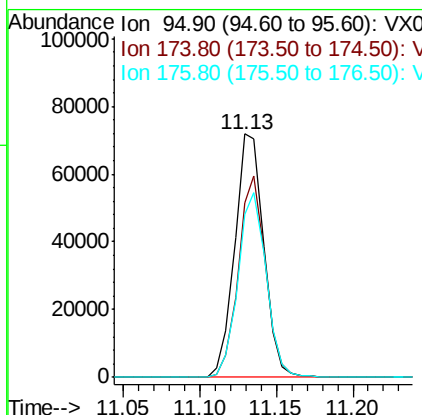
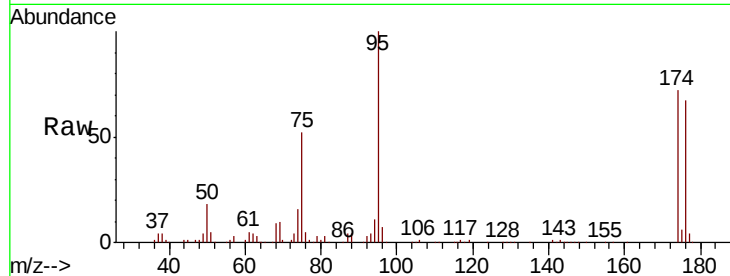




#62
4-Bromofluorobenzene
Concen: 50.055 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

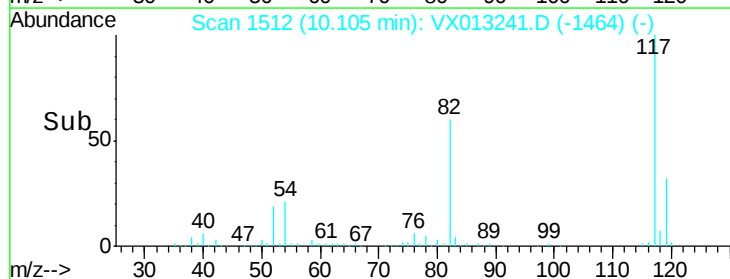
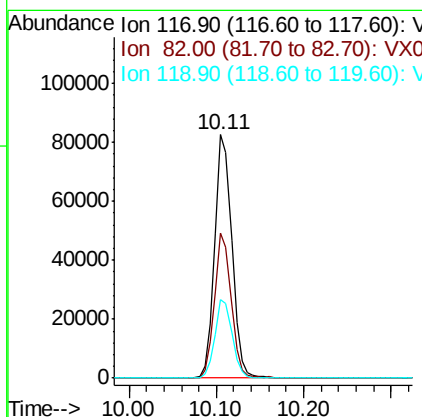
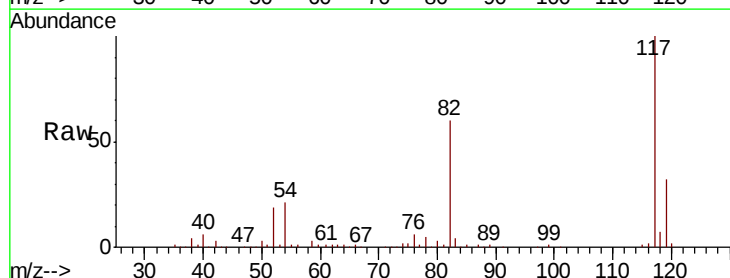
Instrument :
MSVOA_X
ClientSampleId :
VX1028WBL01

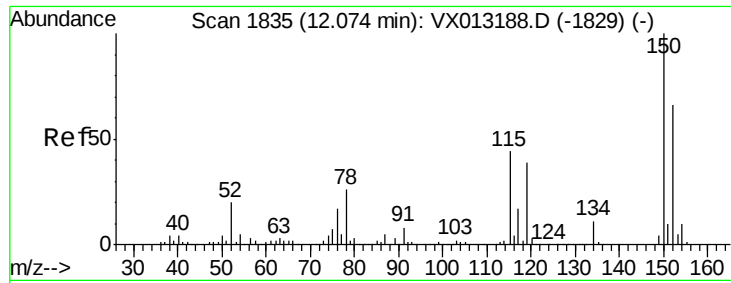
Tot Ion: 95 Resp: 94335
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.4
176 74.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX013241.D
Acq: 28 Oct 2019 12:28

Tgt Ion: 117 Resp: 112859
Ion Ratio Lower Upper
117 100
82 59.5 46.5 69.7
119 32.3 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

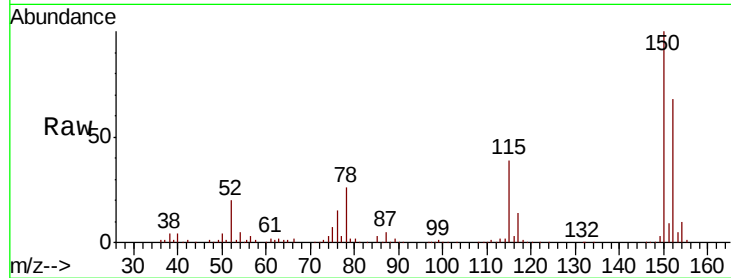
Tot Ion:152 Resp: 69043

Ion Ratio Lower Upper

152 100

115 62.1 46.6 139.8

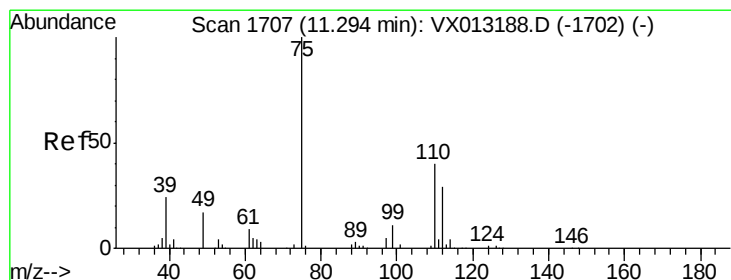
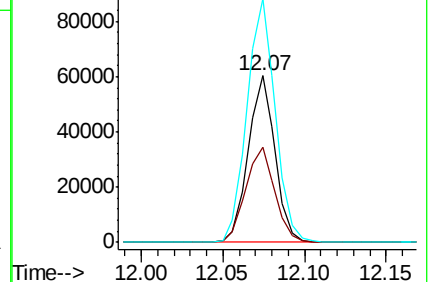
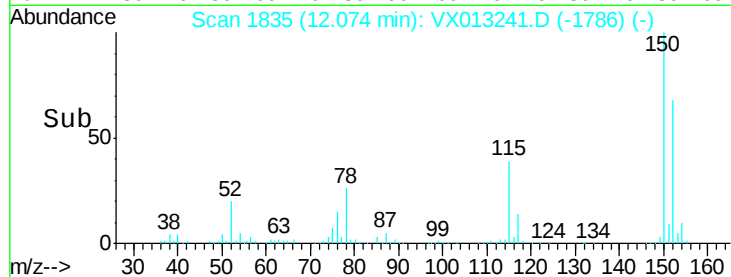
150 154.5 0.0 354.0



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: 28.314 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013241.D

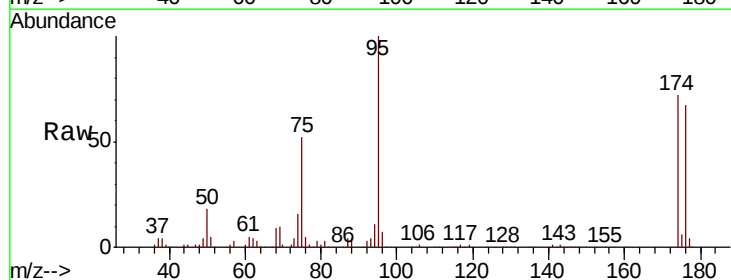
Acq: 28 Oct 2019 12:28

Tgt Ion: 75 Resp: 47116

Ion Ratio Lower Upper

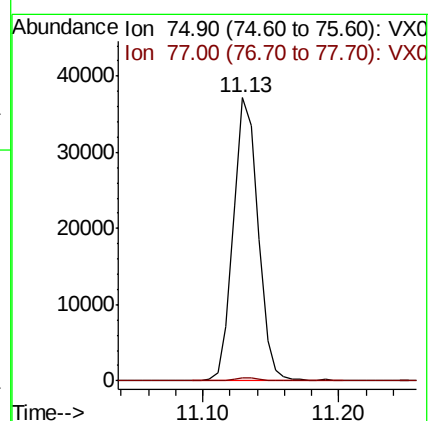
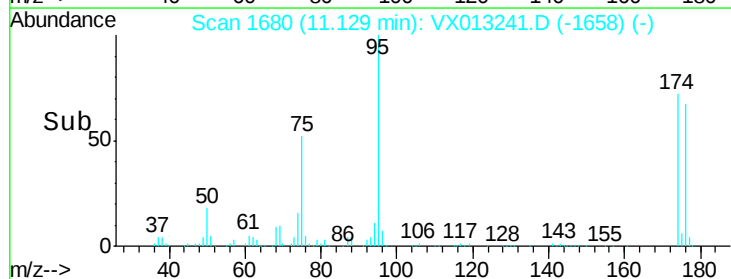
75 100

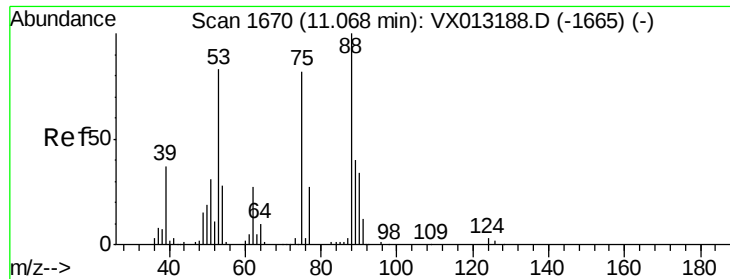
77 1.2 19.1 57.5#



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: 77.805 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

Instrument :

MSVOA_X

ClientSampleId :

VX1028WBL01

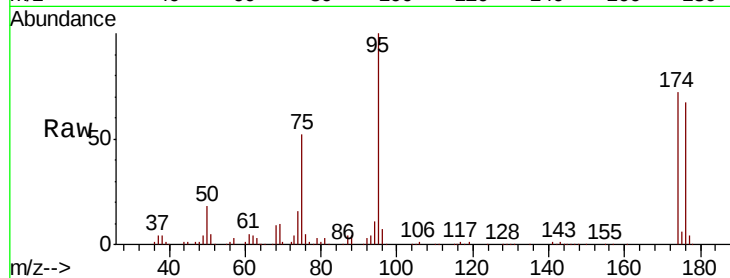
Tot Ion: 75 Resp: 47116

Ion Ratio Lower Upper

75 100

53 0.0 77.9 116.9#

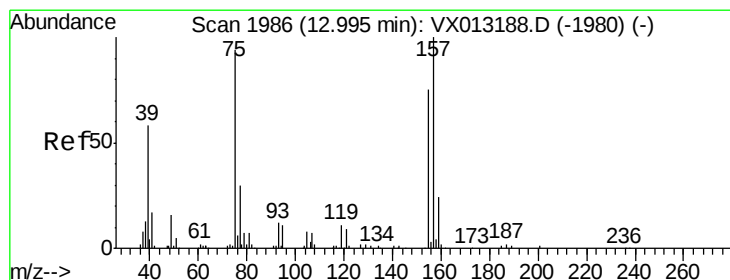
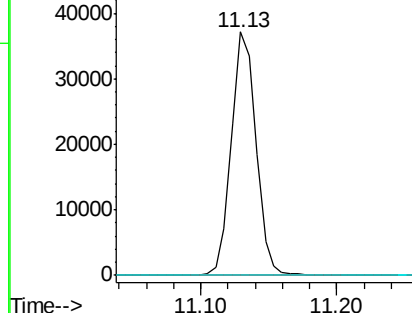
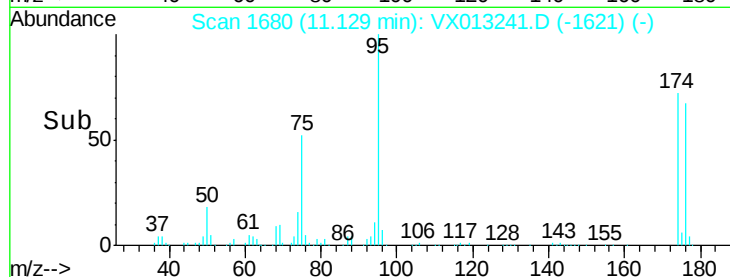
89 0.0 37.3 55.9#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.243 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX013241.D

Acq: 28 Oct 2019 12:28

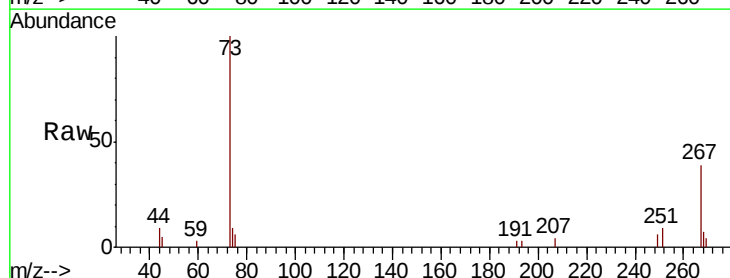
Tgt Ion: 75 Resp: 115

Ion Ratio Lower Upper

75 100

155 0.0 42.8 128.4#

157 0.0 54.3 162.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

