

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX013015.D
 Acq On : 11 Oct 2019 07:16
 Operator : JC/SP
 Sample : K5313-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-D1

Quant Time: Oct 11 08:27:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	185921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	307403	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100683	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	119291	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	
35) Dibromofluoromethane	5.49	113	91988	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	8.71	98	360718	52.42	ug/l	0.00
Spiked Amount			Recovery	=	104.84%	
62) 4-Bromofluorobenzene	11.14	95	119426	44.67	ug/l	0.00
Spiked Amount			Recovery	=	89.34%	

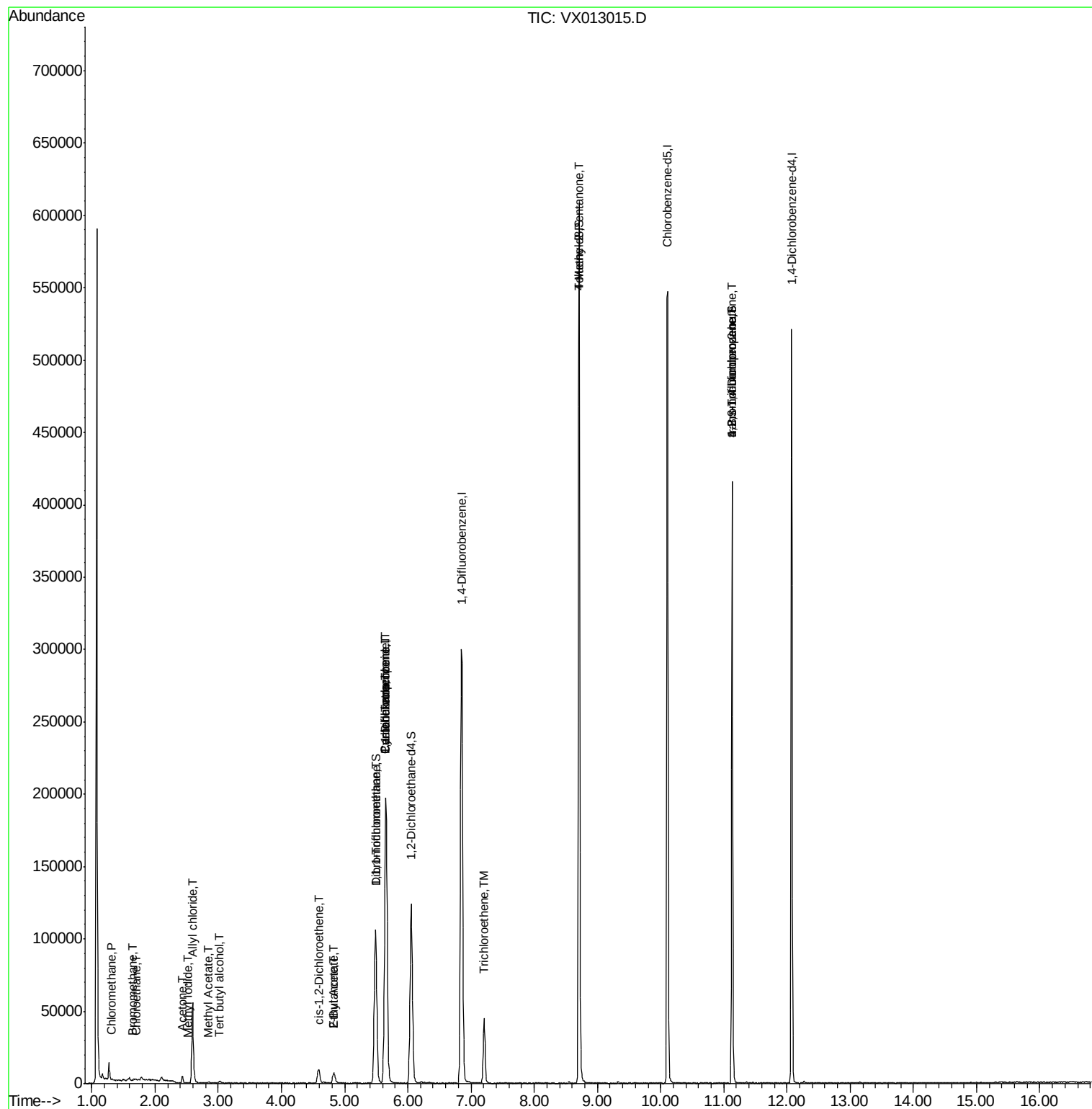
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	509	0.247	ug/l #	81
5) Bromomethane	1.64	94	367	0.415	ug/l #	75
6) Chloroethane	1.71	64	124	0.462	ug/l #	43
10) Methyl Iodide	2.51	142	296	5.208	ug/l #	74
11) Tert butyl alcohol	3.01	59	1363	2.213	ug/l #	72
14) Allyl chloride	2.59	41	5453	1.630	ug/l #	62
16) Acetone	2.44	43	4929	4.024	ug/l #	88
18) Methyl Acetate	2.84	43	599	0.206	ug/l #	51
25) 2-Butanone	4.82	43	13015	7.659	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	6437	2.773	ug/l	91
31) Cyclohexane	5.65	56	3908	1.159	ug/l #	1
32) 1,1,1-Trichloroethane	5.48	97	740	0.236	ug/l #	48
36) 1,1-Dichloropropene	5.65	75	14500	5.365	ug/l #	50
37) Ethyl Acetate	4.82	43	13015	4.307	ug/l	96
38) Carbon Tetrachloride	5.65	117	19678	7.480	ug/l #	18
44) Trichloroethene	7.21	130	16880	7.626	ug/l	95
51) 4-Methyl-2-Pentanone	8.71	43	1386	0.458	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	60627	27.149	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	60627	68.194	ug/l #	10

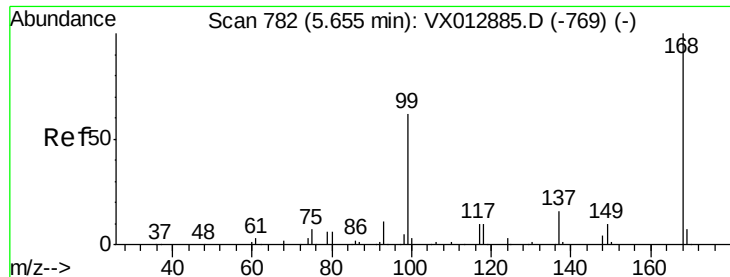
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

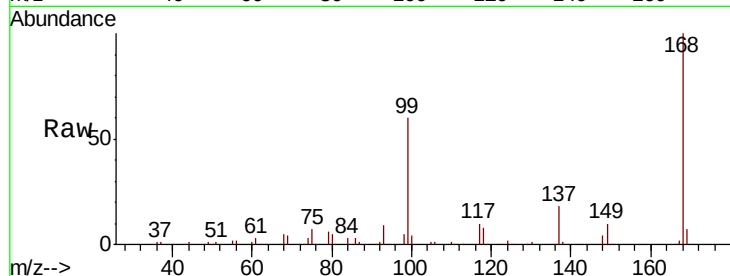
TP-2-D1

Tot Ion:168 Resp: 185921

Ion Ratio Lower Upper

168 100

99 60.5 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

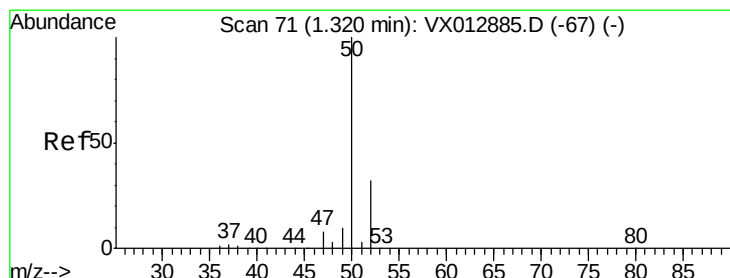
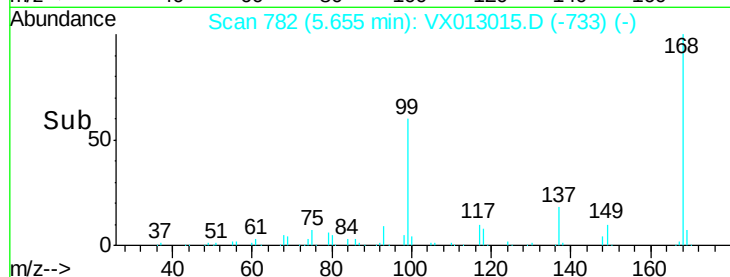
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.247 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX013015.D

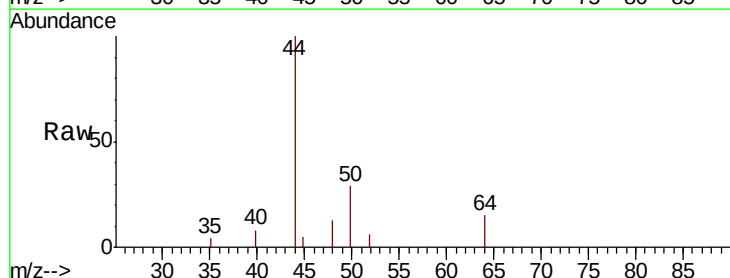
Acq: 11 Oct 2019 07:16

Tgt Ion: 50 Resp: 509

Ion Ratio Lower Upper

50 100

52 20.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

600

500

400

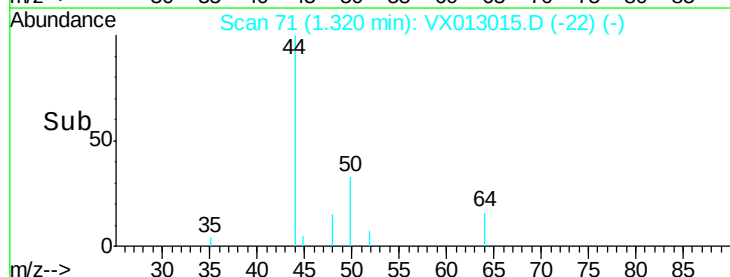
300

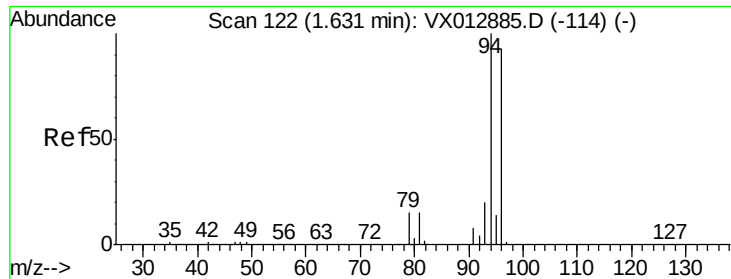
200

100

0

Time--> 1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 0.415 ug/l

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

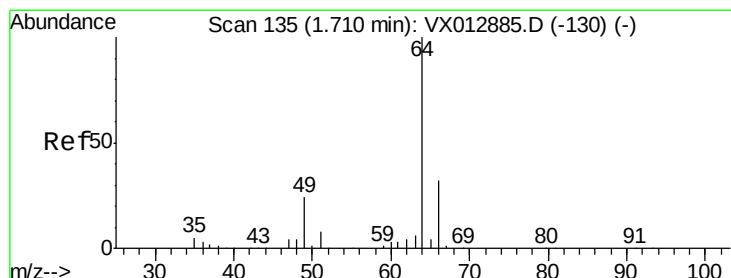
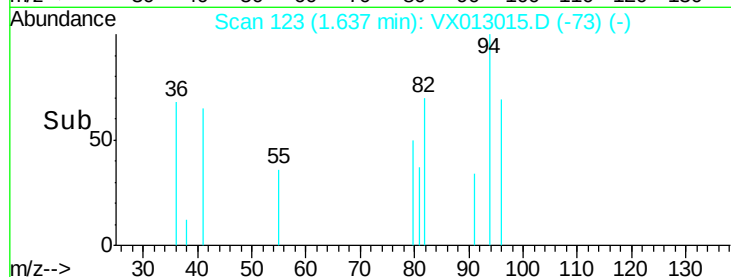
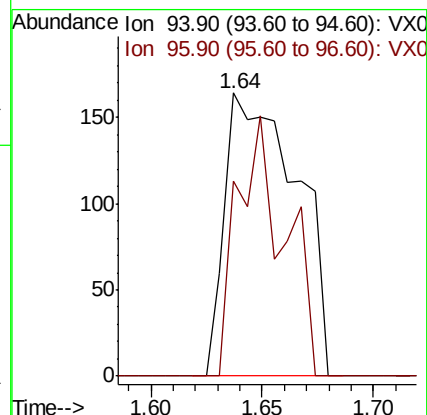
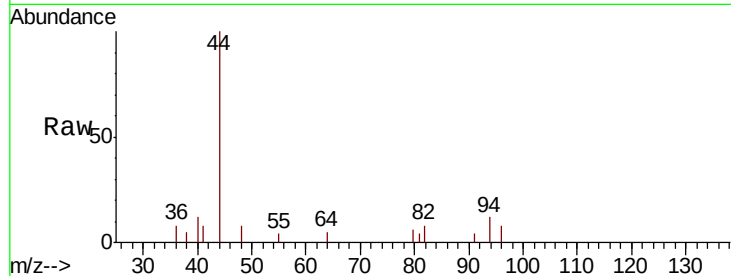
TP-2-D1

Tot Ion: 94 Resp: 367

Ion Ratio Lower Upper

94 100

96 68.9 74.7 112.1#



#6

Chloroethane

Concen: 0.462 ug/l

RT: 1.71 min Scan# 135

Delta R.T. 0.00 min

Lab File: VX013015.D

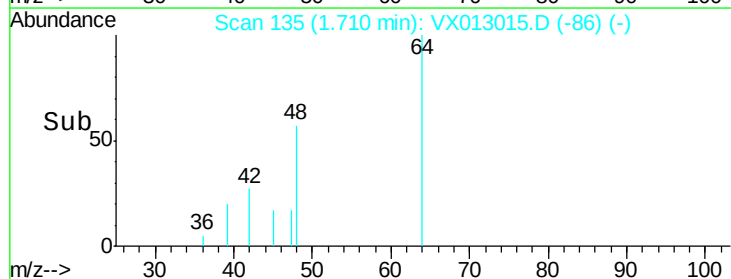
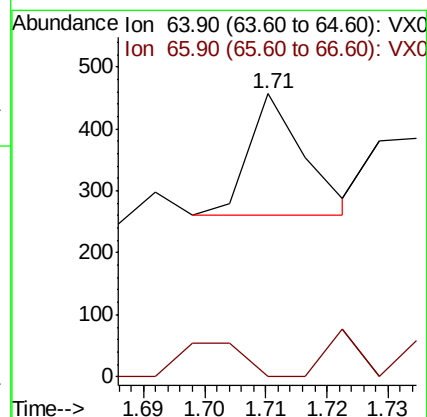
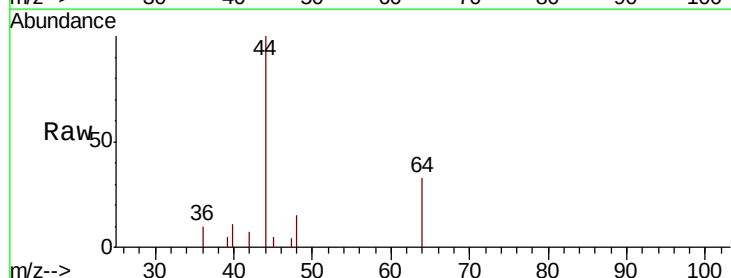
Acq: 11 Oct 2019 07:16

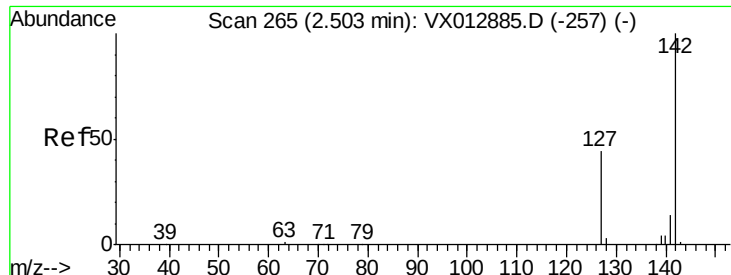
Tgt Ion: 64 Resp: 124

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

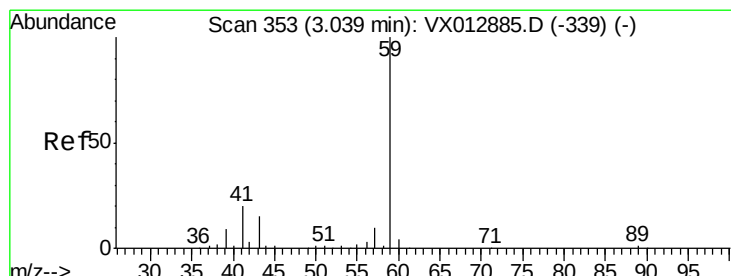
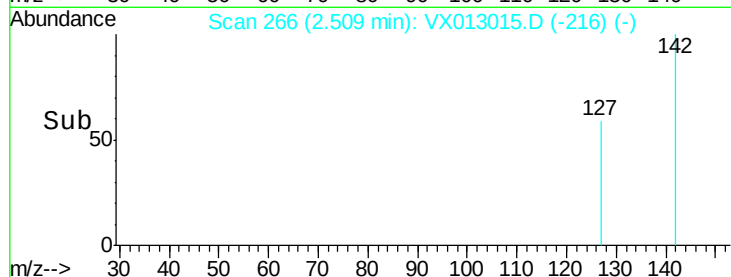
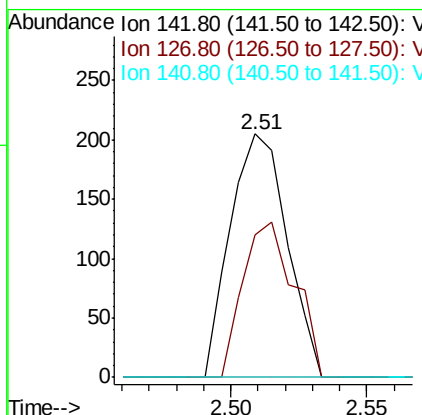
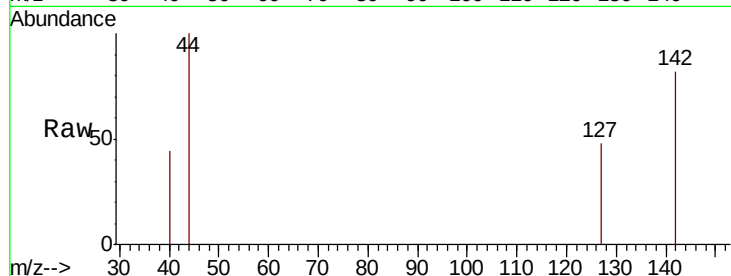




#10
Methvl Iodide
Concen: 5.208 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

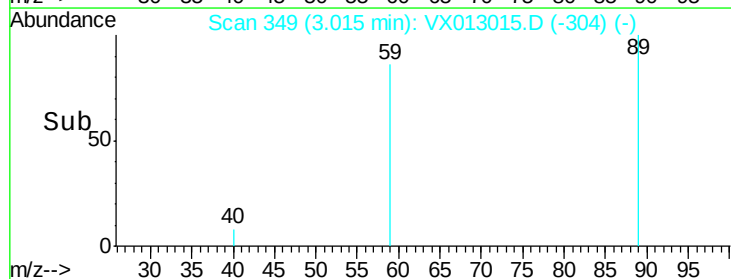
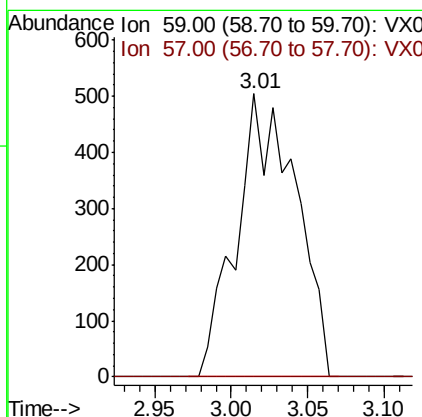
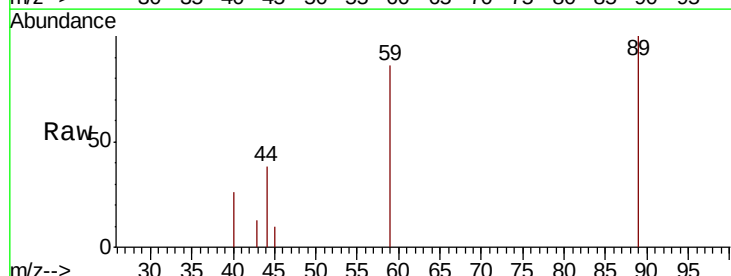
Instrument :
MSVOA_X
ClientSampled :
TP-2-D1

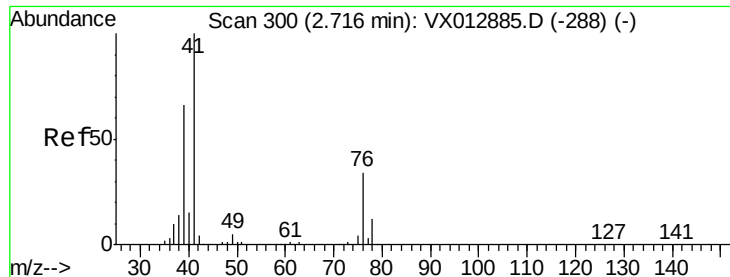
Tot Ion:142 Resp: 296
Ion Ratio Lower Upper
142 100
127 58.1 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 2.213 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.02 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

Tgt Ion: 59 Resp: 1363
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

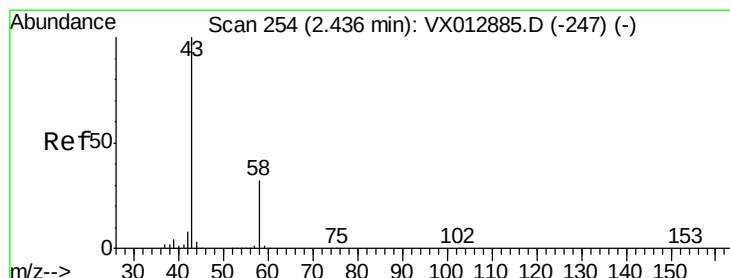
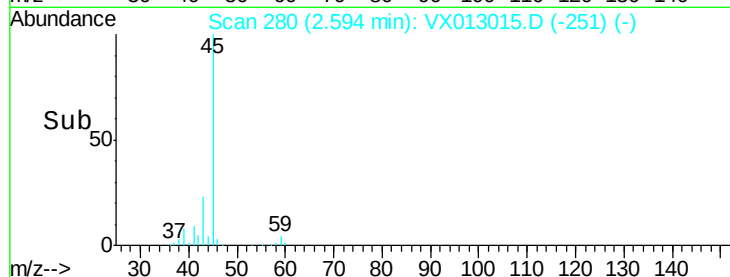
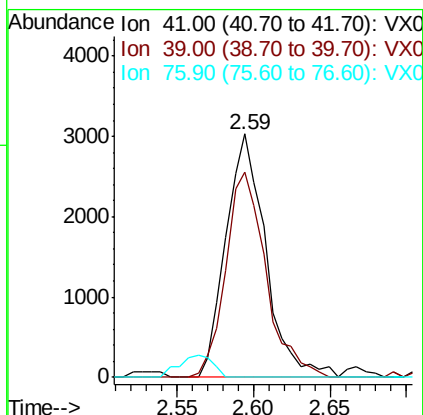
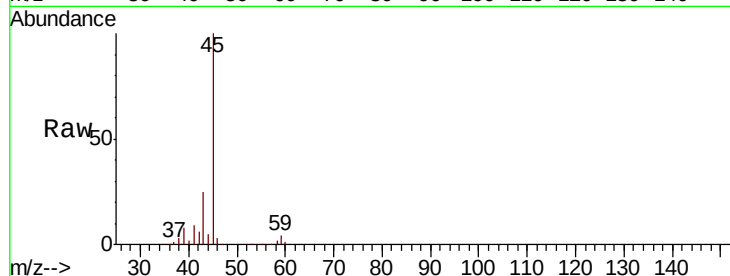




#14
 Allvl chloride
 Concen: 1.630 ug/l
 RT: 2.59 min Scan# 280
 Delta R.T. -0.12 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

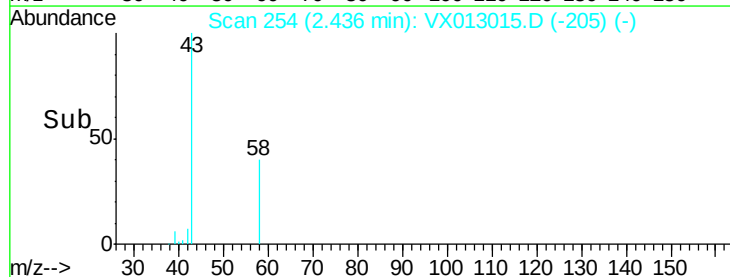
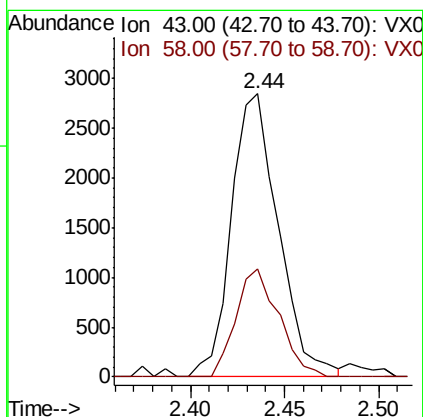
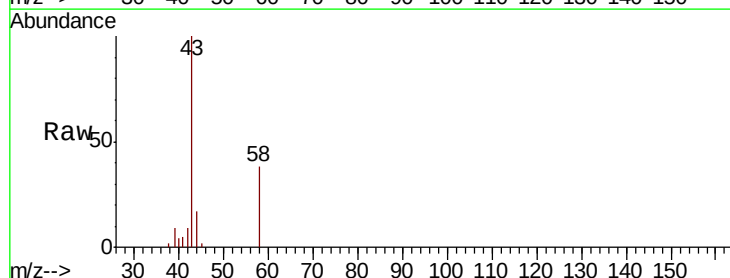
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-D1

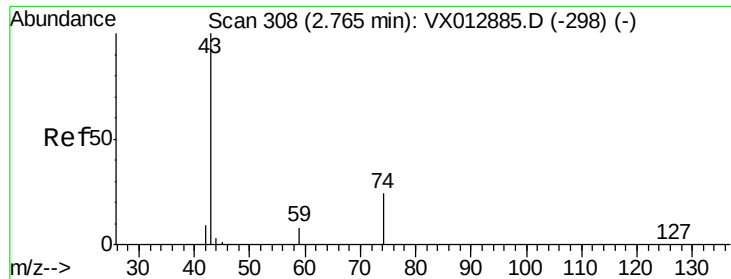
Tot Ion: 41 Resp: 5453
 Ion Ratio Lower Upper
 41 100
 39 85.5 51.0 76.6#
 76 0.0 26.2 39.4#



#16
 Acetone
 Concen: 4.024 ug/l
 RT: 2.44 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

Tgt Ion: 43 Resp: 4929
 Ion Ratio Lower Upper
 43 100
 58 38.2 25.4 38.2#

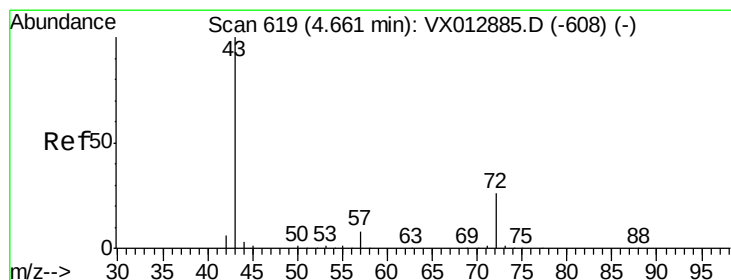
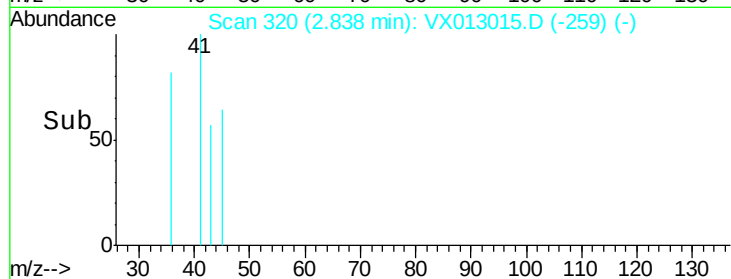
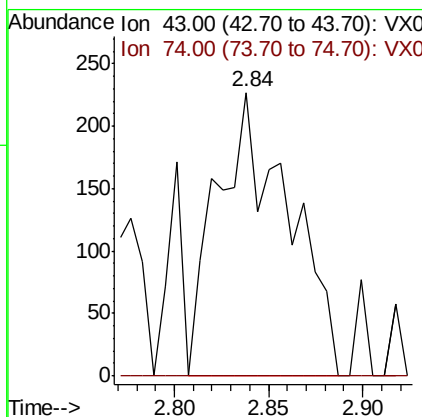
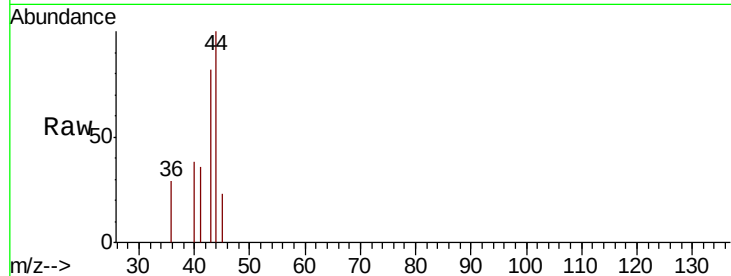




#18
Methvl Acetate
Concen: 0.206 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.07 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

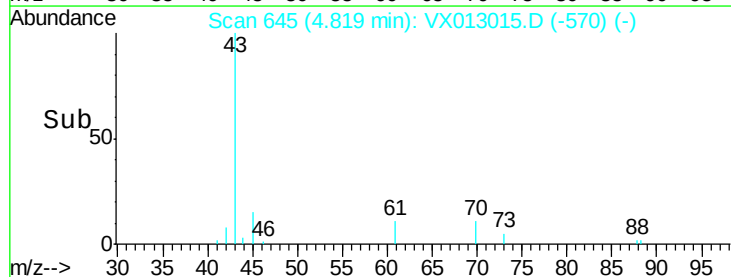
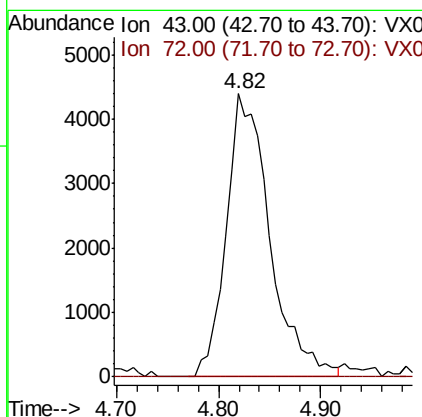
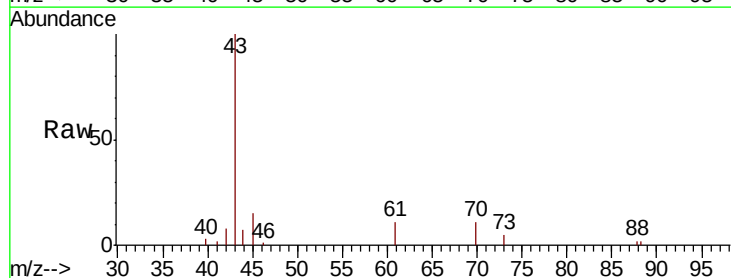
Instrument :
MSVOA_X
ClientSampled :
TP-2-D1

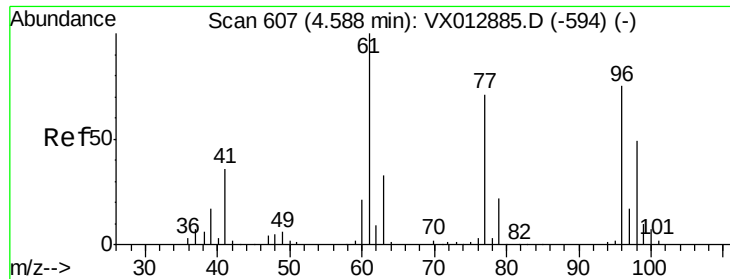
Tot Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 7.659 ug/l
RT: 4.82 min Scan# 645
Delta R.T. 0.16 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

Tgt Ion: 43 Resp: 13015
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



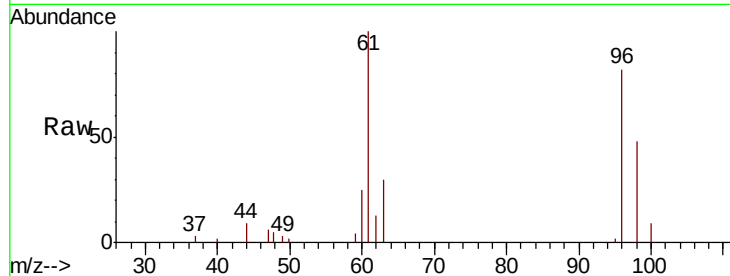


#27

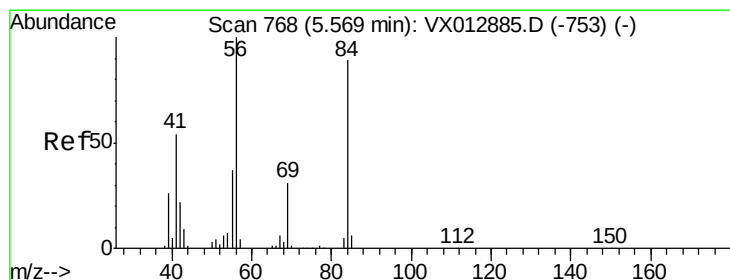
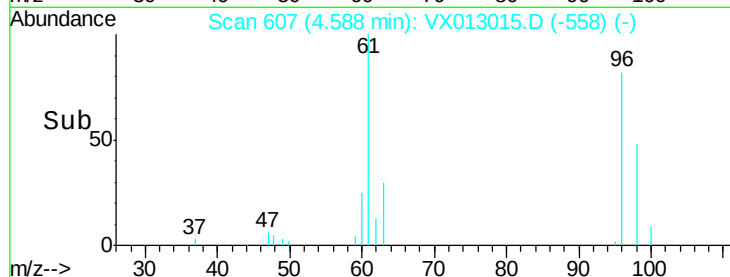
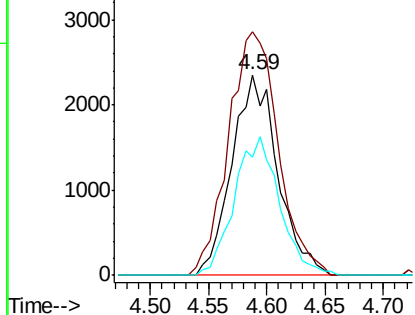
cis-1,2-Dichloroethene
Concen: 2.773 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

Instrument :
MSVOA_X
ClientSampleId :
TP-2-D1

Tot Ion: 96 Resp: 6437
Ion Ratio Lower Upper
96 100
61 132.1 0.0 290.6
98 68.1 0.0 128.8



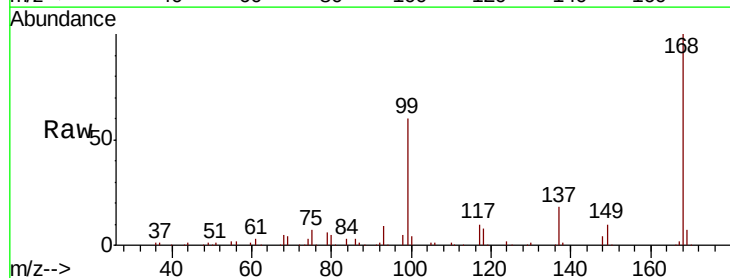
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



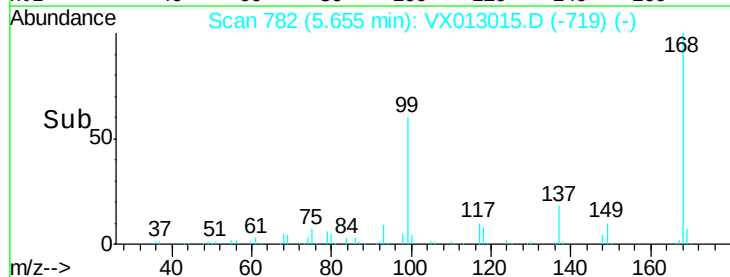
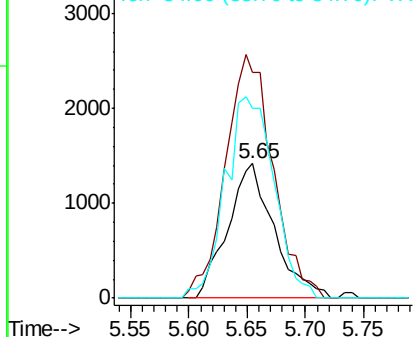
#31

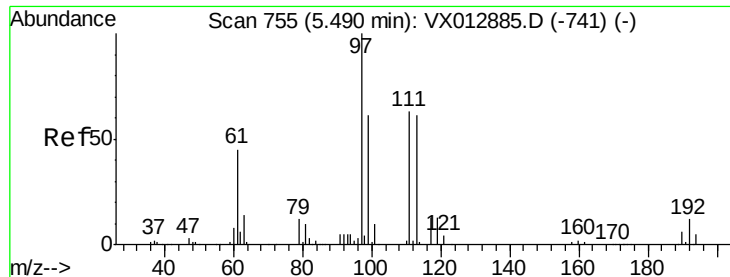
Cyclohexane
Concen: 1.159 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

Tgt Ion: 56 Resp: 3908
Ion Ratio Lower Upper
56 100
69 167.9 25.2 37.8#
84 141.7 71.3 106.9#



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





#32

1,1,1-Trichloroethane

Concen: 0.236 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

TP-2-D1

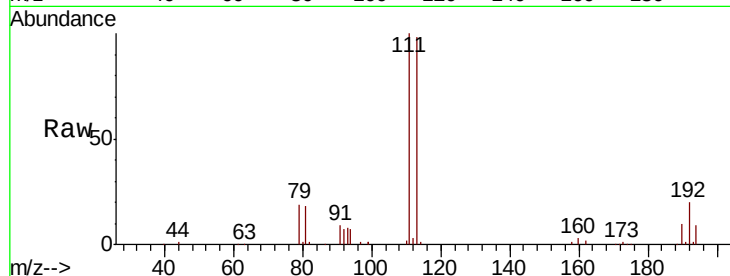
Tot Ion: 97 Resp: 740

Ion Ratio Lower Upper

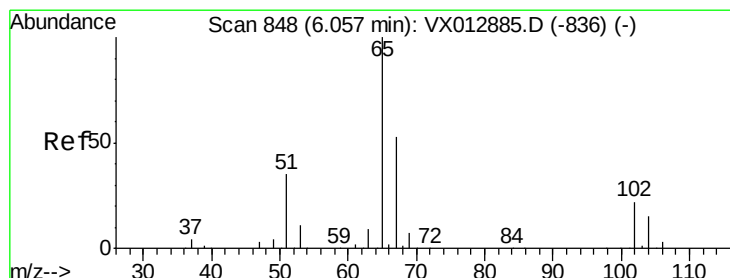
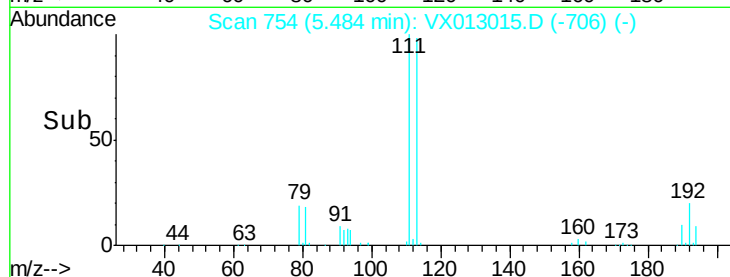
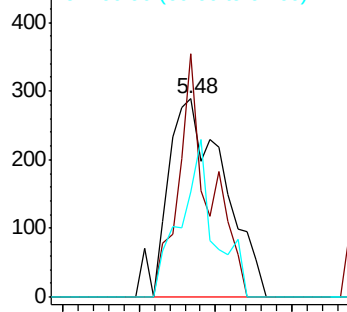
97 100

99 0.0 52.3 78.5#

61 47.0 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.335 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013015.D

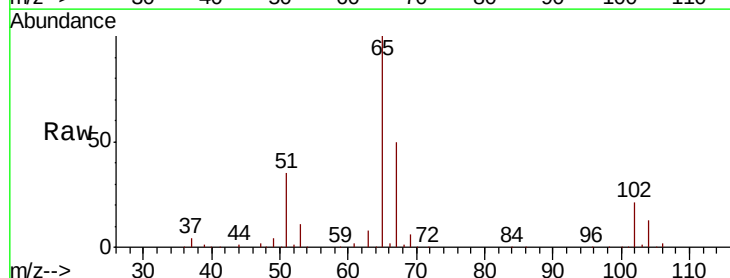
Acq: 11 Oct 2019 07:16

Tgt Ion: 65 Resp: 119291

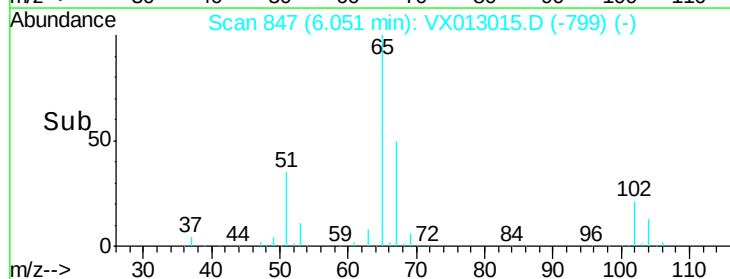
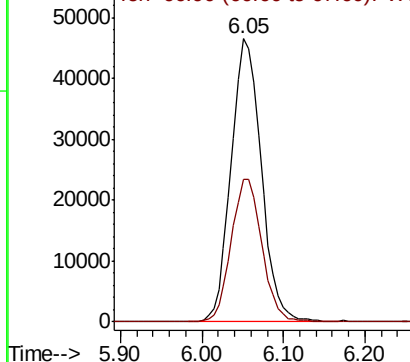
Ion Ratio Lower Upper

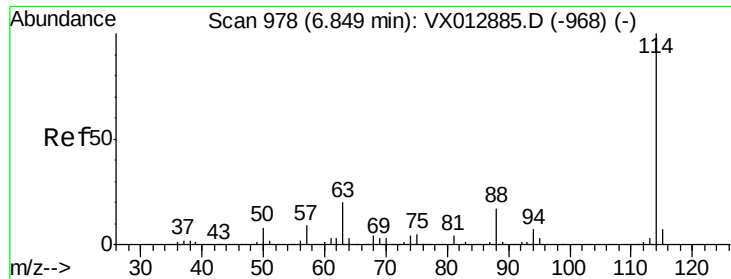
65 100

67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

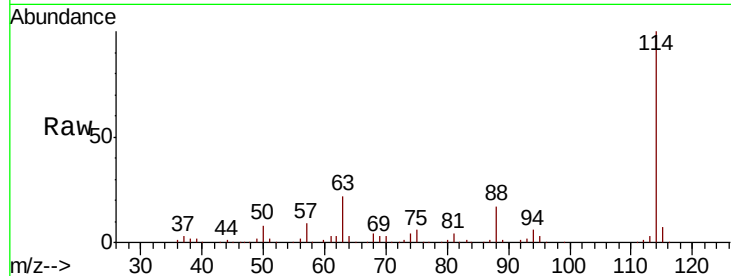




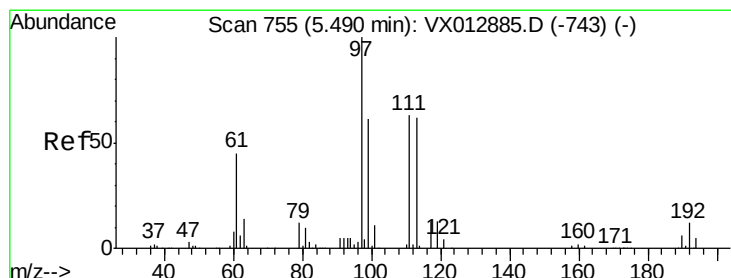
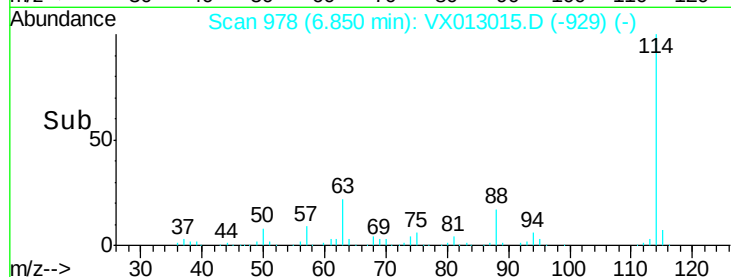
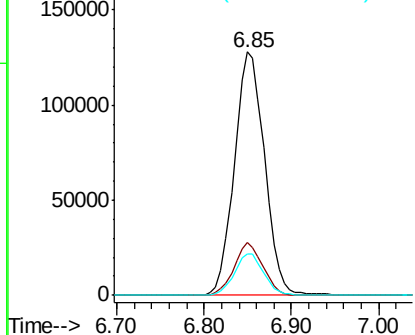
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-D1

Tot Ion:114 Resp: 307403
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 40.8
 88 16.8 0.0 33.8

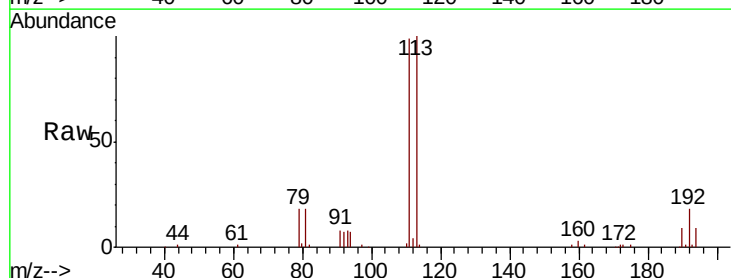


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

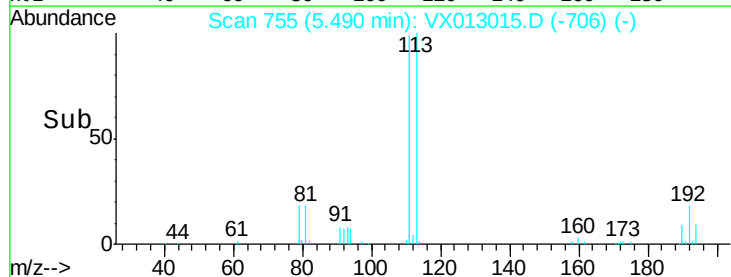
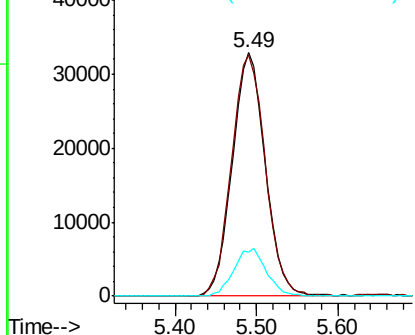


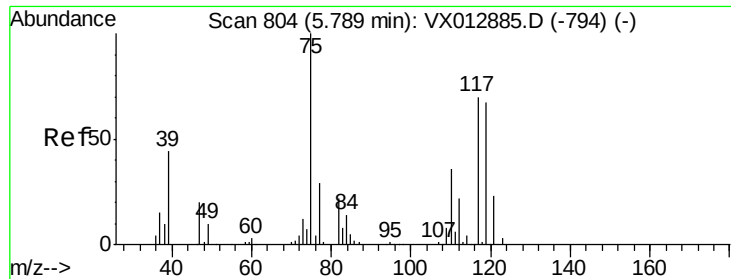
#35
 Dibromofluoromethane
 Concen: 52.138 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

Tgt Ion:113 Resp: 91988
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.2 124.8
 192 19.3 15.4 23.2



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

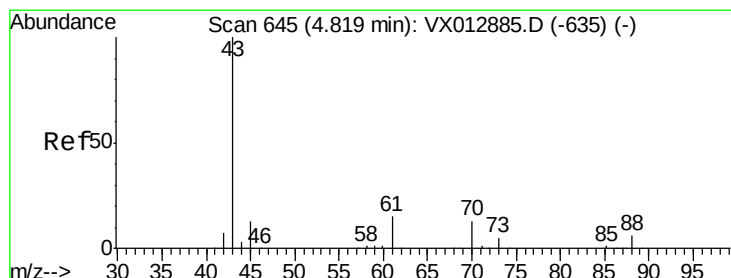
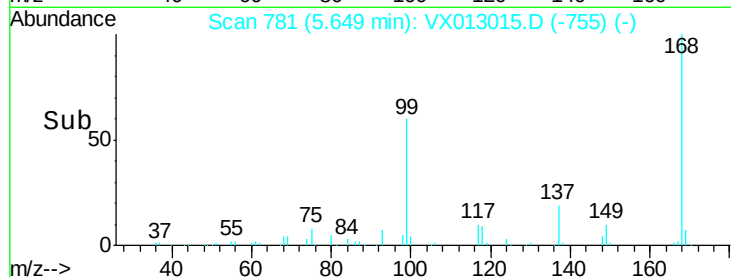
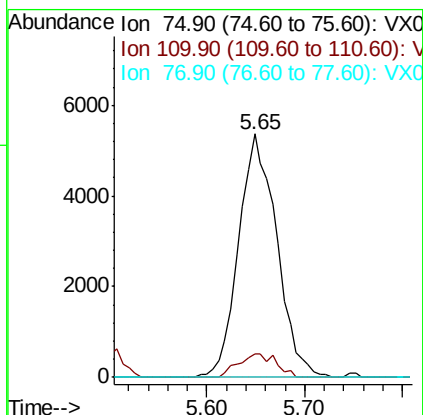
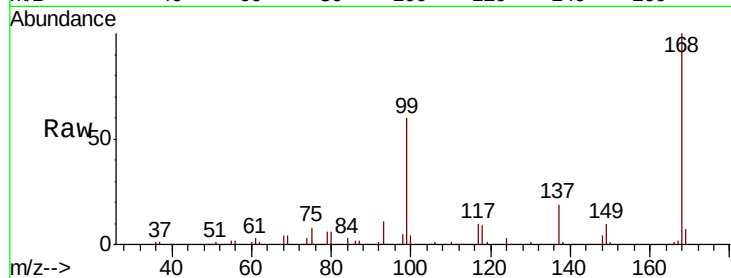




#36
 1,1-Dichloropropene
 Concen: 5.365 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

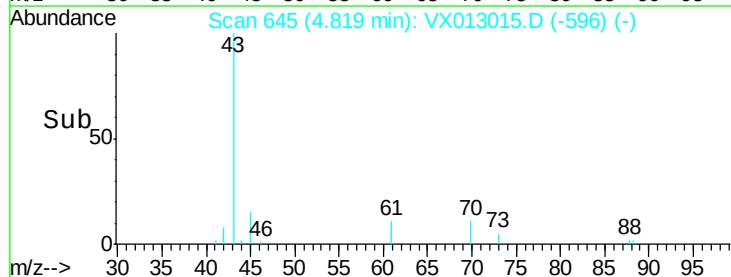
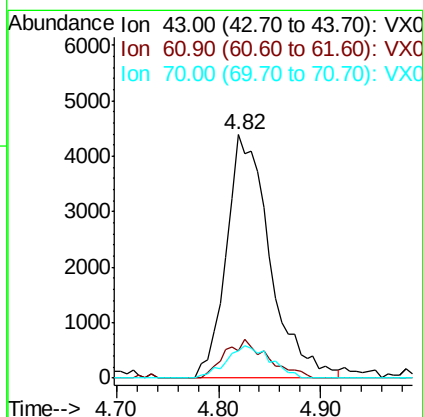
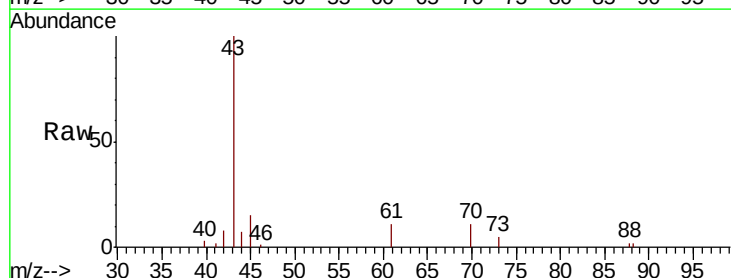
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-2-D1

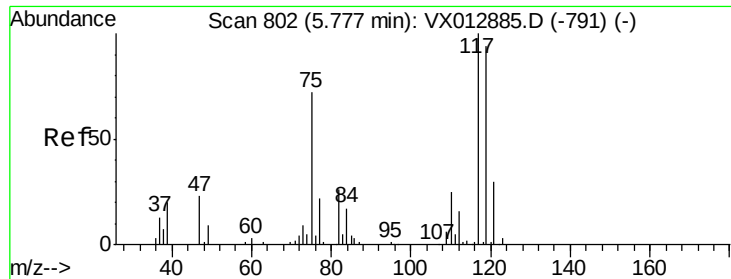
Tot Ion	75	Resp	14500
Ion Ratio	100	Lower	Upper
75	100		
110	9.6	17.6	52.9#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 4.307 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX013015.D
 Acq: 11 Oct 2019 07:16

Tgt Ion	43	Resp	13015
Ion Ratio	100	Lower	Upper
43	100		
61	15.9	11.4	17.0
70	13.5	9.8	14.6





#38

Carbon Tetrachloride

Concen: 7.480 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

TP-2-D1

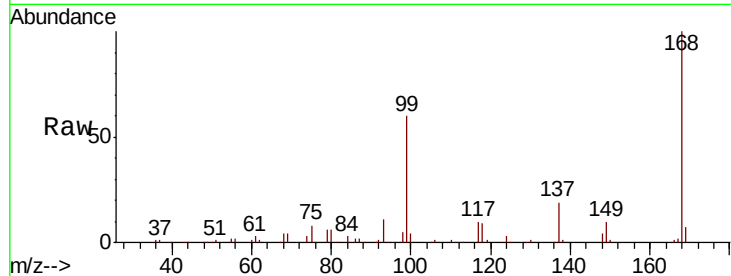
Tot Ion:117 Resp: 19678

Ion Ratio Lower Upper

117 100

119 5.8 74.5 111.7#

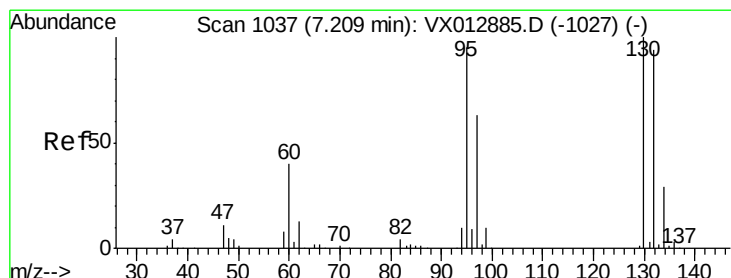
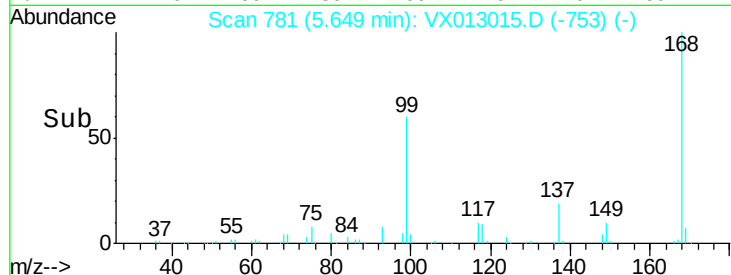
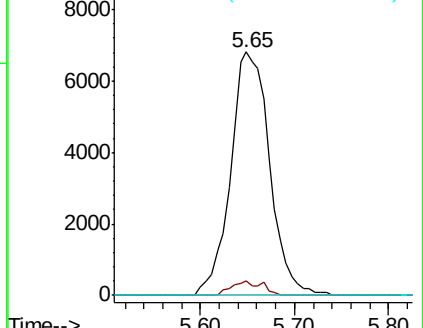
121 0.0 24.2 36.4#



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



#44

Trichloroethene

Concen: 7.626 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX013015.D

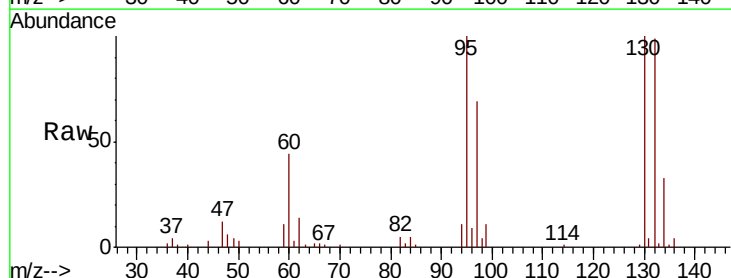
Acq: 11 Oct 2019 07:16

Tgt Ion:130 Resp: 16880

Ion Ratio Lower Upper

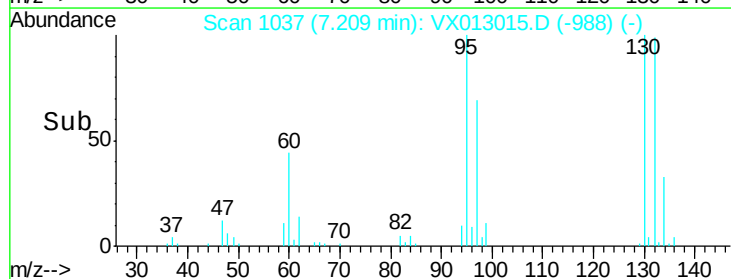
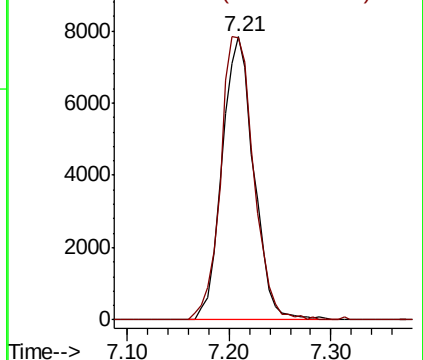
130 100

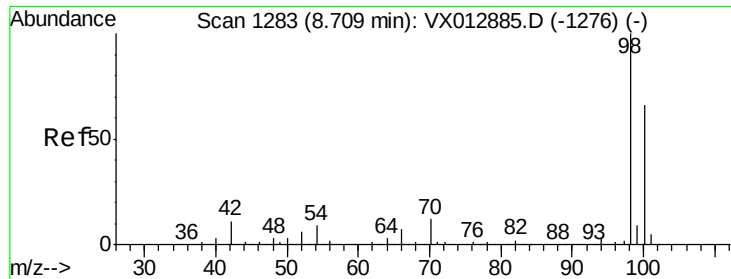
95 99.8 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

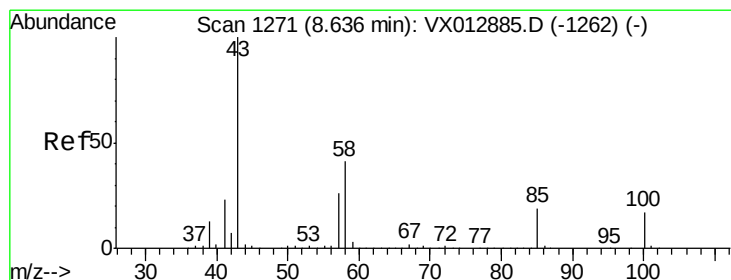
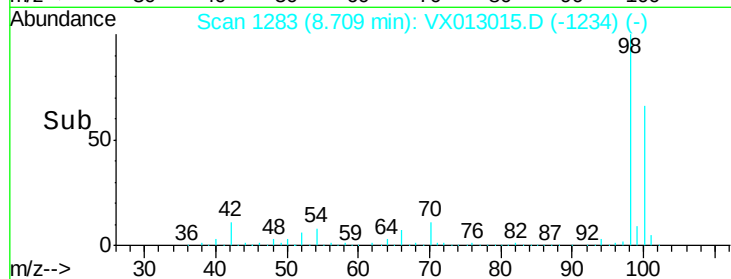
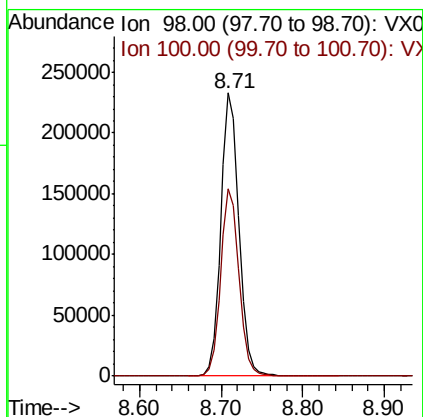
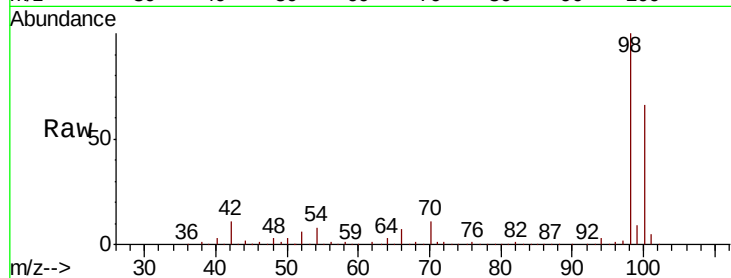




#50
Toluene-d8
Concen: 52.420 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

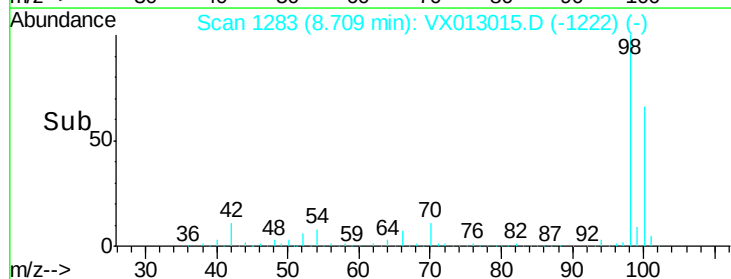
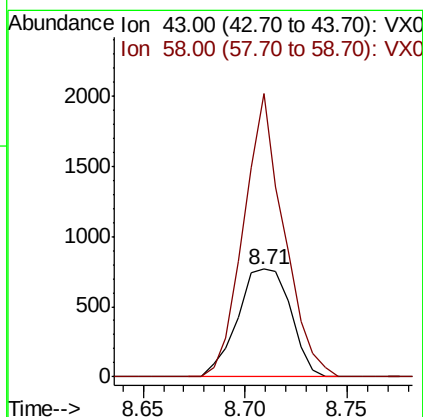
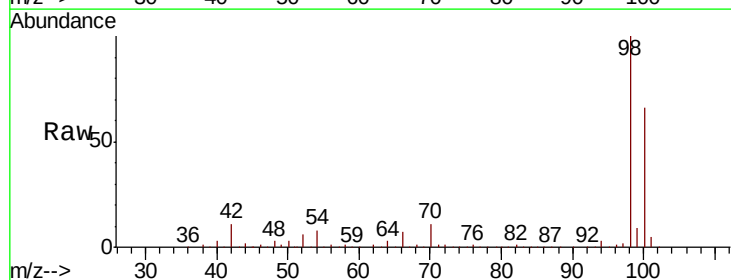
Instrument :
MSVOA_X
ClientSampleId :
TP-2-D1

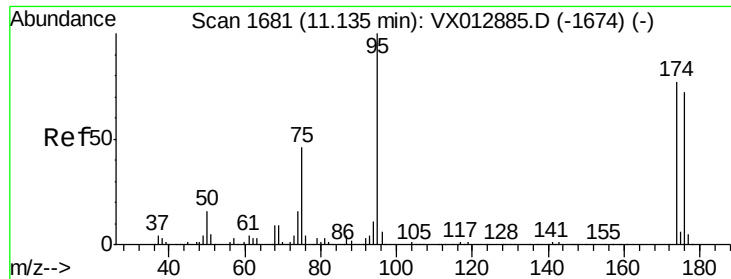
Tot Ion: 98 Resp: 360718
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.458 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013015.D
Acq: 11 Oct 2019 07:16

Tgt Ion: 43 Resp: 1386
Ion Ratio Lower Upper
43 100
58 199.4 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 44.665 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

TP-2-D1

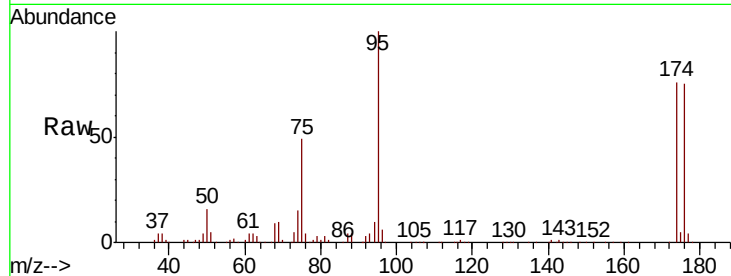
Tot Ion: 95 Resp: 119426

Ion Ratio Lower Upper

95 100

174 74.0 0.0 143.4

176 70.1 0.0 136.0

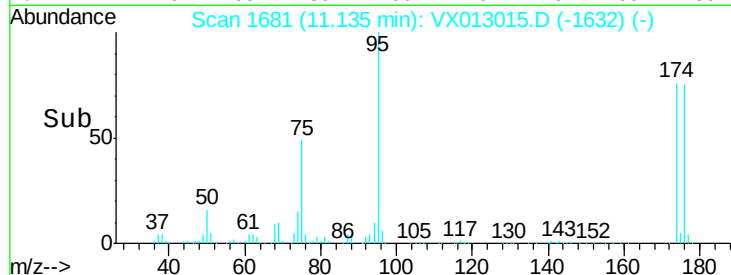


Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)

Time-->

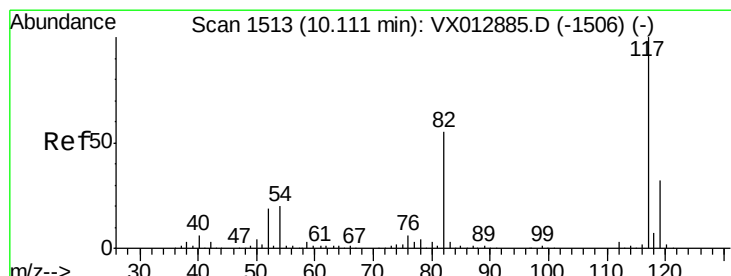


Abundance Ion 94.90 (94.60 to 95.60): VX013015.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX013015.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX013015.D (-1632) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

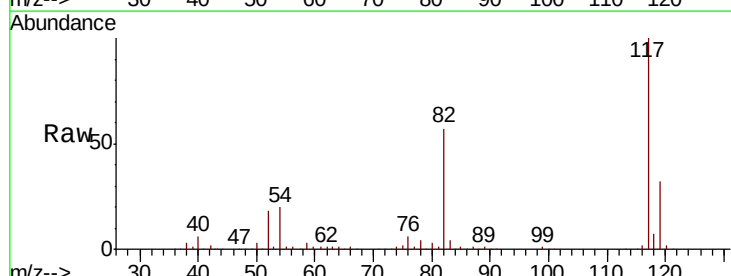
Tgt Ion: 117 Resp: 258222

Ion Ratio Lower Upper

117 100

82 56.7 44.1 66.1

119 32.1 25.8 38.8

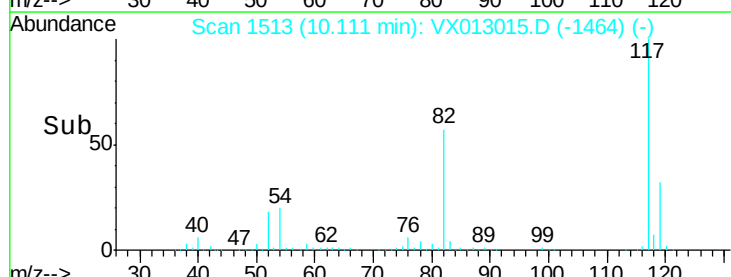


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)

Time-->

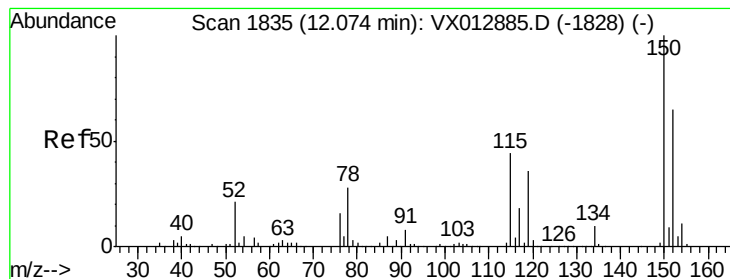


Abundance Ion 116.90 (116.60 to 117.60): VX013015.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013015.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013015.D (-1464) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

TP-2-D1

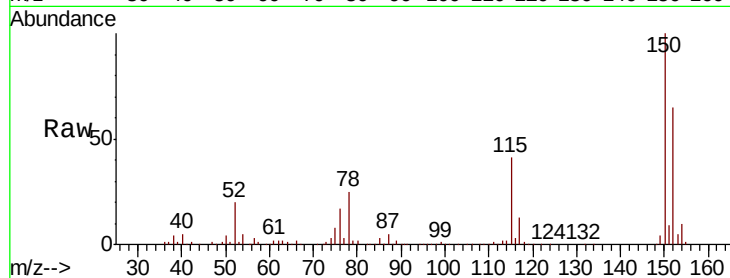
Tot Ion:152 Resp: 100683

Ion Ratio Lower Upper

152 100

115 63.8 44.5 133.5

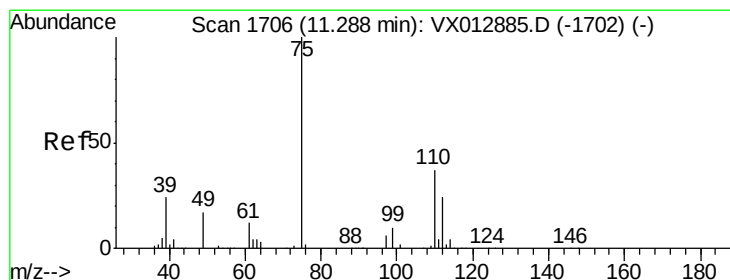
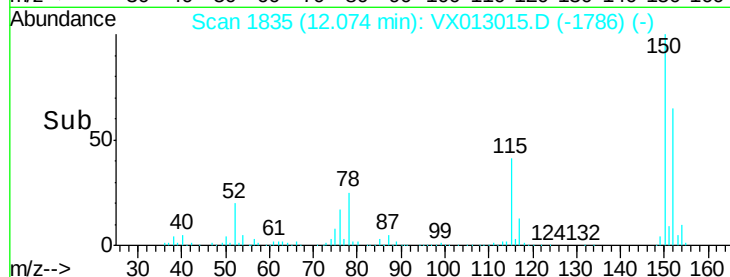
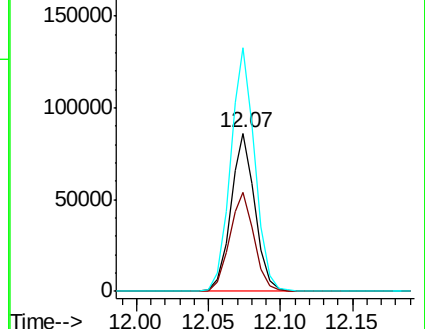
150 156.2 0.0 353.4



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: 27.149 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013015.D

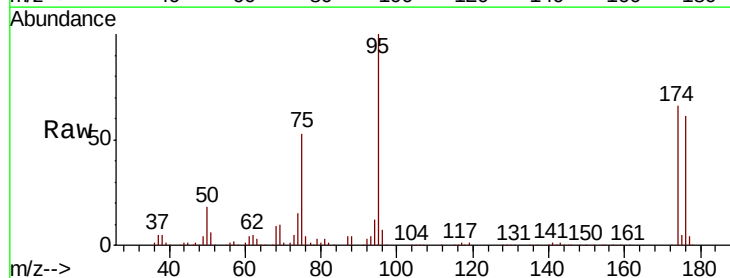
Acq: 11 Oct 2019 07:16

Tgt Ion: 75 Resp: 60627

Ion Ratio Lower Upper

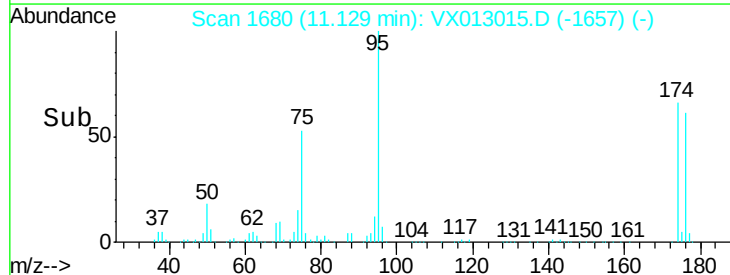
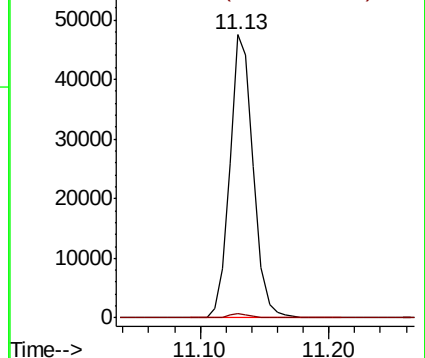
75 100

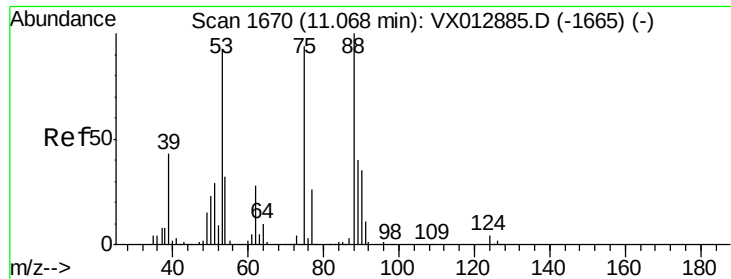
77 1.3 22.9 68.8#



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: 68.194 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013015.D

Acq: 11 Oct 2019 07:16

Instrument :

MSVOA_X

ClientSampleId :

TP-2-D1

Tot Ion: 75 Resp: 60627

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

