

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012975.D
 Acq On : 10 Oct 2019 04:56
 Operator : JC/SP
 Sample : K5259-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1982-9001

Quant Time: Oct 10 06:51:43 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	174825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	241302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	113884	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	5.49	113	87155	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	8.71	98	337279	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	109766	43.72	ug/l	0.00
Spiked Amount			Recovery	=	87.44%	

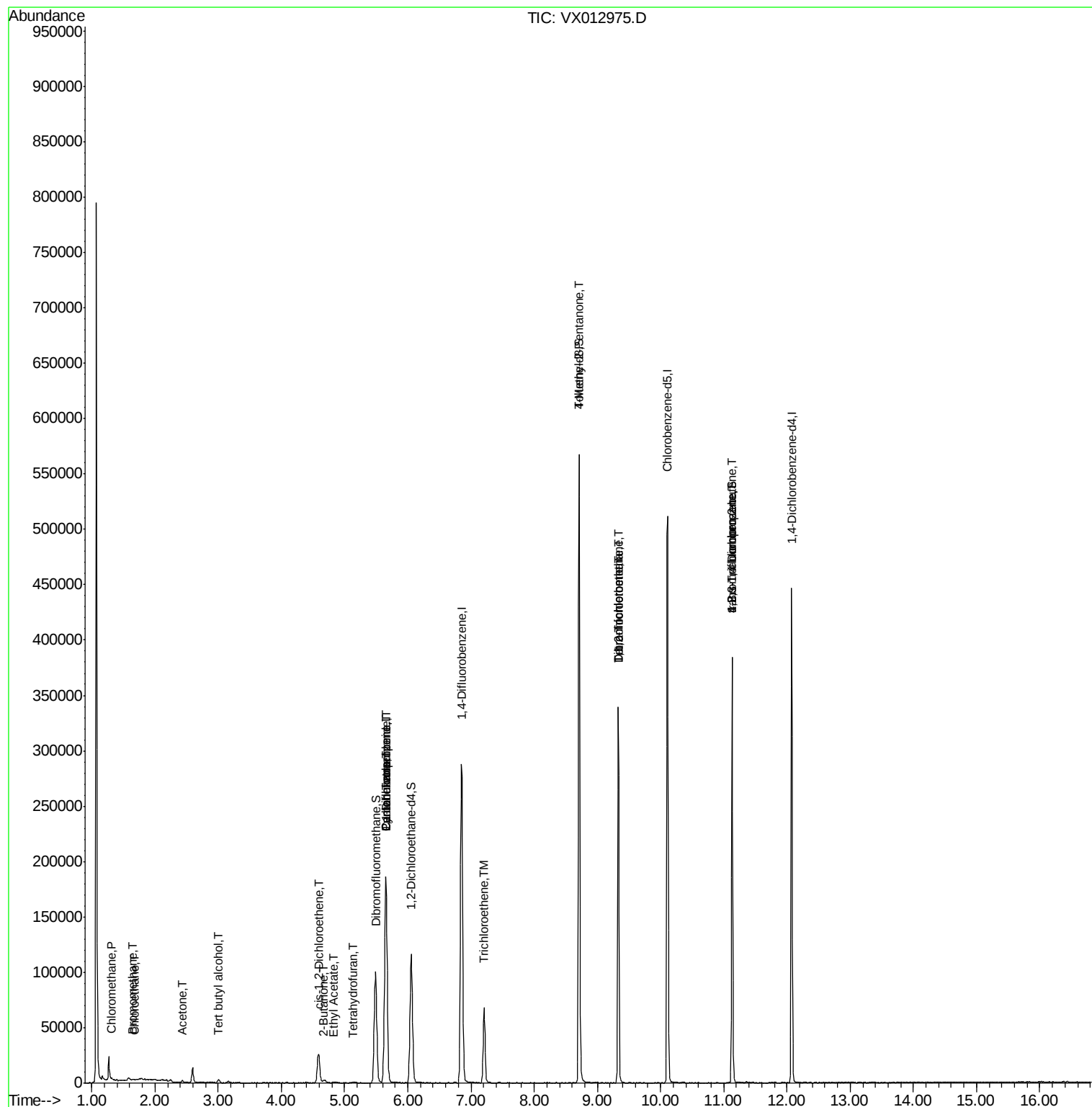
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	508	0.262	ug/l #	87
5) Bromomethane	1.64	94	167	0.201	ug/l	99
6) Chloroethane	1.68	64	302	0.613	ug/l #	43
11) Tert butyl alcohol	3.00	59	1983	3.423	ug/l #	72
16) Acetone	2.44	43	1992	1.730	ug/l #	87
25) 2-Butanone	4.66	43	405	0.253	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	16834	7.713	ug/l	92
29) Tetrahydrofuran	5.14	42	386	0.393	ug/l #	75
31) Cyclohexane	5.65	56	3939	1.242	ug/l #	10
36) 1,1-Dichloropropene	5.65	75	14226	5.606	ug/l #	50
37) Ethyl Acetate	4.83	43	1167	0.411	ug/l #	76
38) Carbon Tetrachloride	5.65	117	18270	7.397	ug/l #	19
44) Trichloroethene	7.20	130	26812	12.901	ug/l	91
51) 4-Methyl-2-Pentanone	8.71	43	1482	0.522	ug/l #	1
55) 1,1,2-Trichloroethane	9.33	97	571	0.301	ug/l #	3
60) Dibromochloromethane	9.33	129	61073	29.705	ug/l #	10
64) Tetrachloroethene	9.33	164	61528	36.762	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	54462	28.445	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	54462	71.255	ug/l #	10

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

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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: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

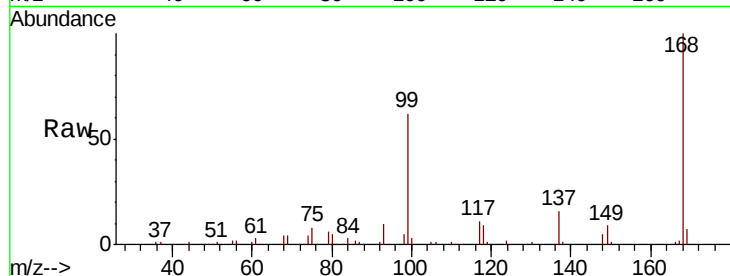
FA19-JMW1982-9001

Tot Ion:168 Resp: 174825

Ion Ratio Lower Upper

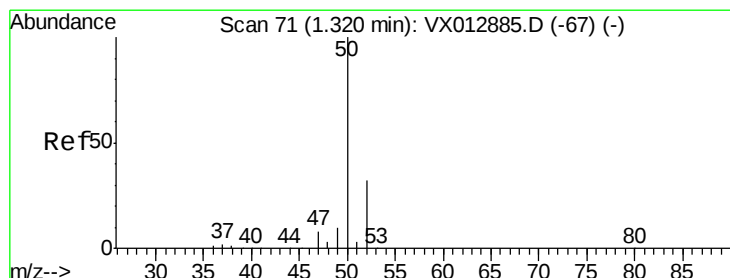
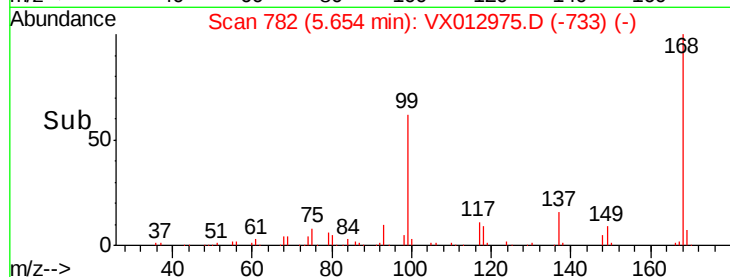
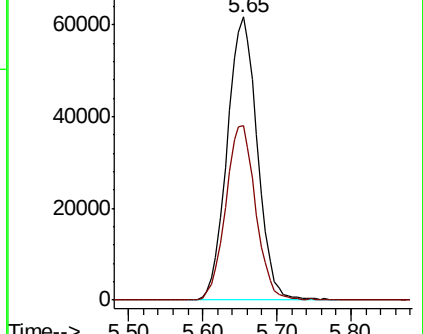
168 100

99 61.7 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012975.D

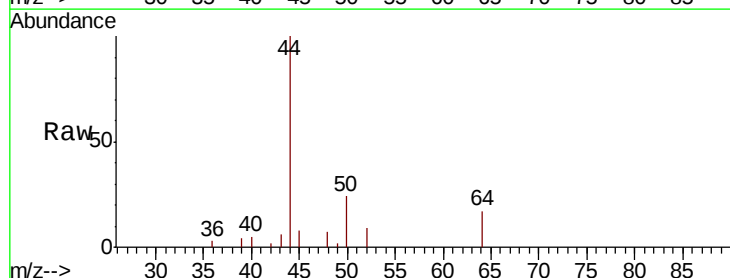
Acq: 10 Oct 2019 04:56

Tgt Ion: 50 Resp: 508

Ion Ratio Lower Upper

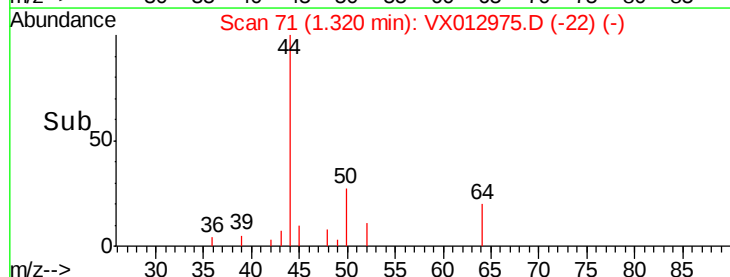
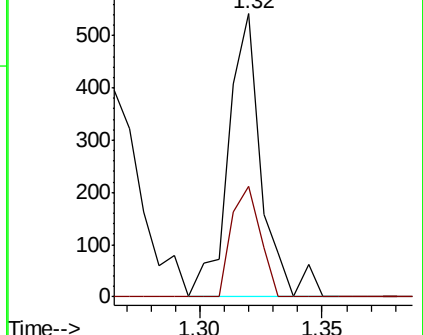
50 100

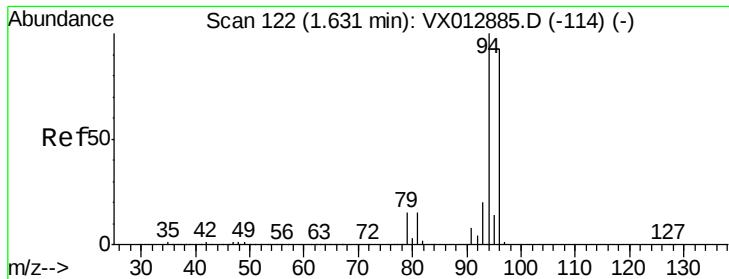
52 38.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.201 ug/l

RT: 1.64 min Scan# 124

Delta R.T. 0.01 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

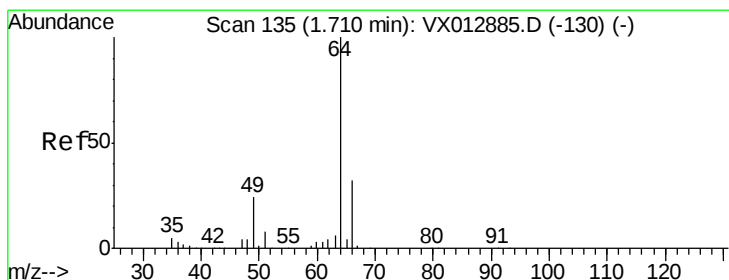
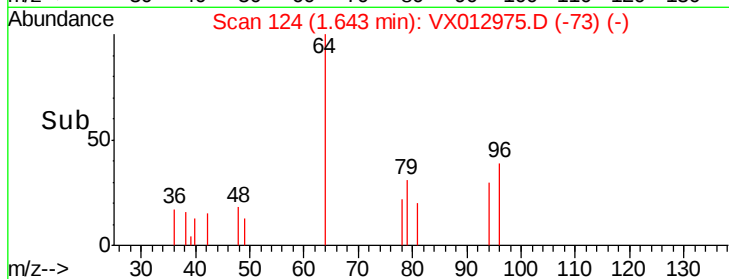
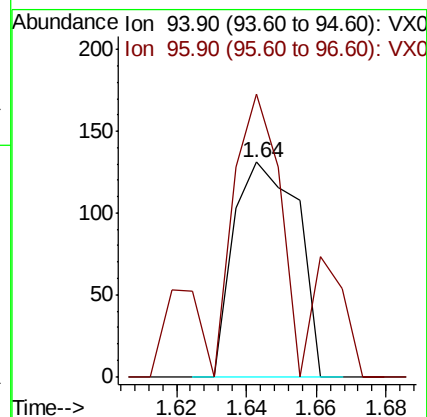
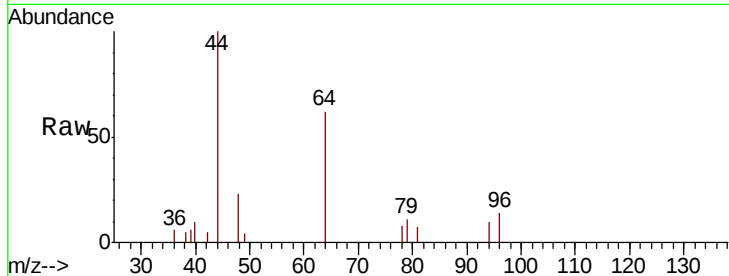
FA19-JMW1982-9001

Tot Ion: 94 Resp: 167

Ion Ratio Lower Upper

94 100

96 92.4 74.7 112.1



#6

Chloroethane

Concen: 0.613 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX012975.D

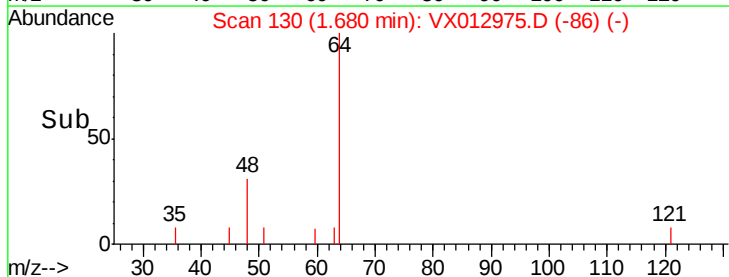
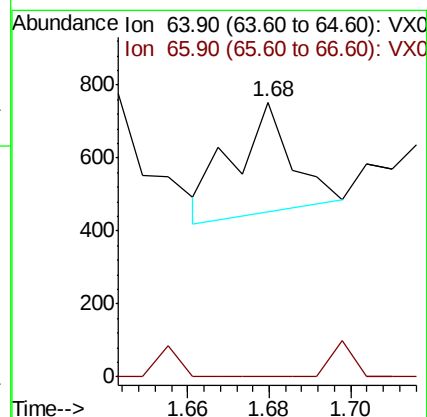
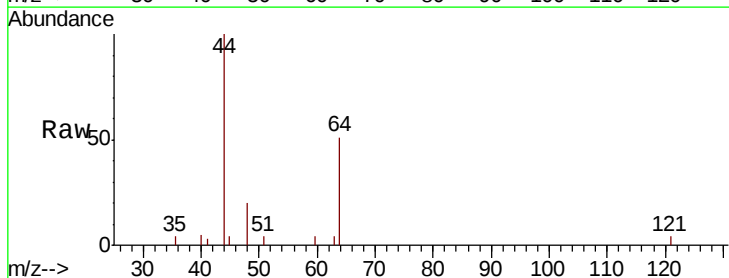
Acq: 10 Oct 2019 04:56

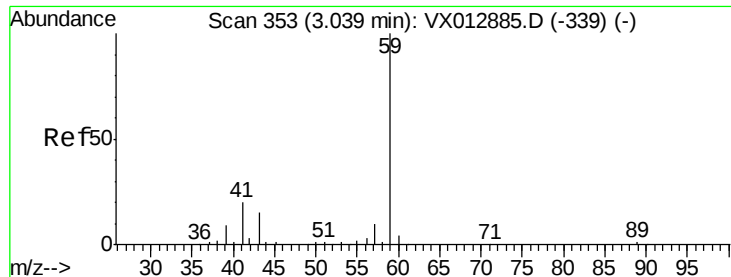
Tgt Ion: 64 Resp: 302

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

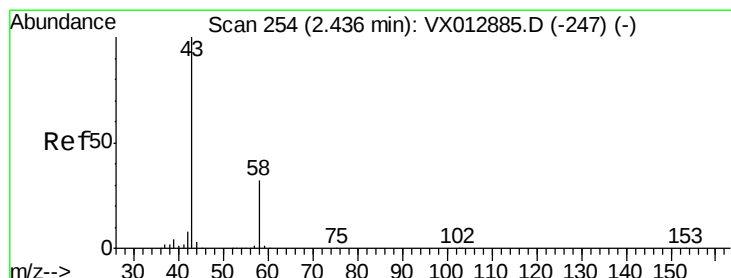
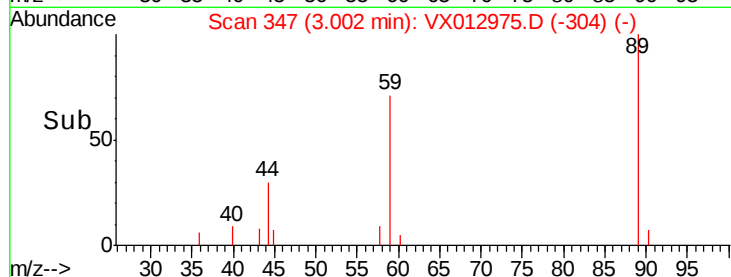
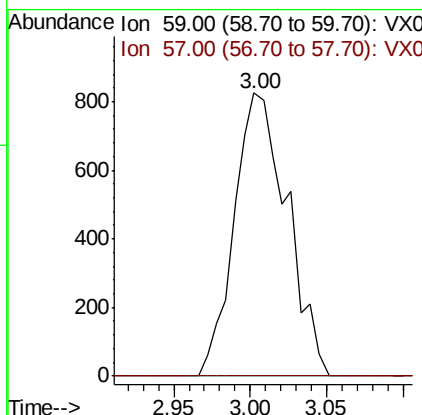
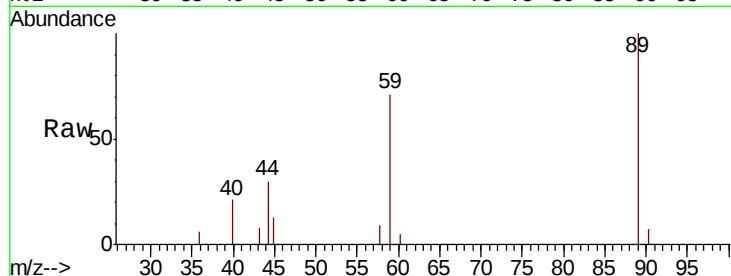




#11
Tert butyl alcohol
Concen: 3.423 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

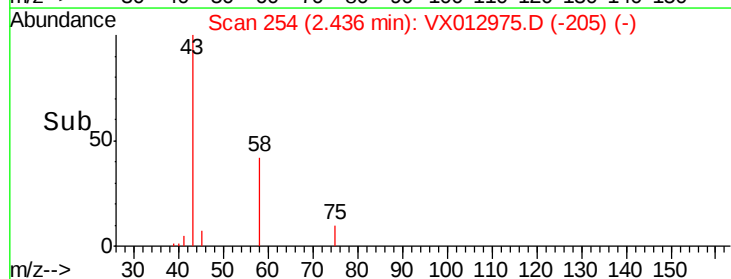
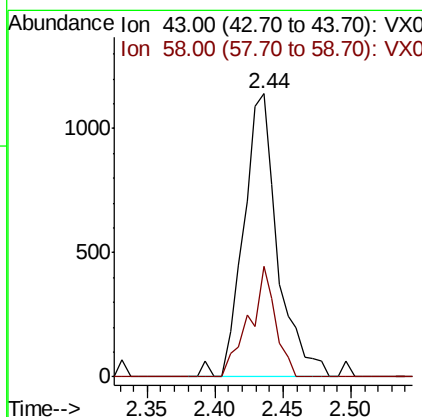
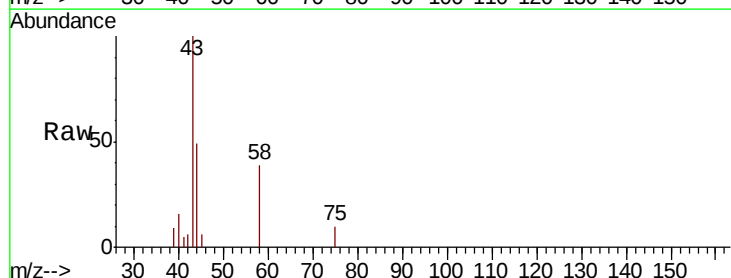
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1982-9001

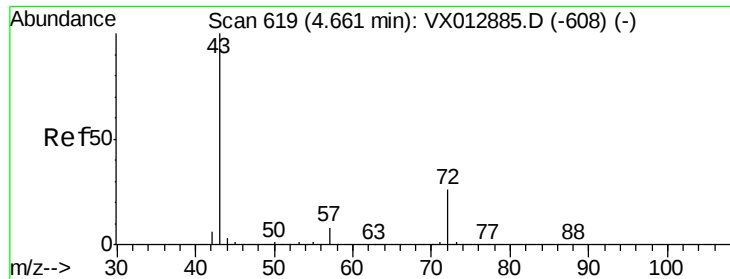
Tot Ion: 59 Resp: 1983
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.730 ug/l
RT: 2.44 min Scan# 254
Delta R.T. -0.00 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
58 39.2 25.4 38.2#





#25

2-Butanone

Concen: 0.253 ug/l

RT: 4.66 min Scan# 619

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

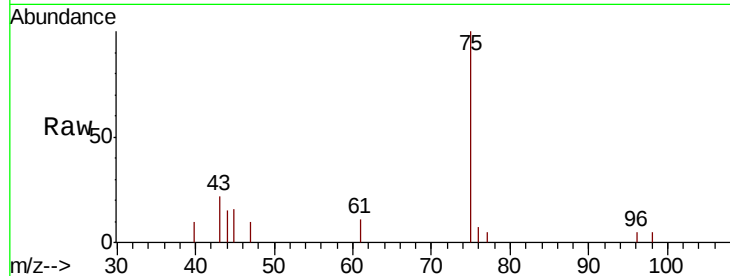
FA19-JMW1982-9001

Tot Ion: 43 Resp: 405

Ion Ratio Lower Upper

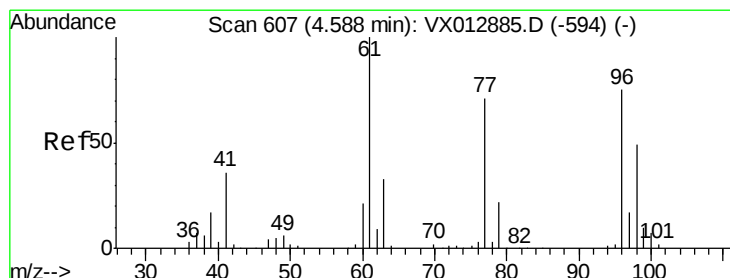
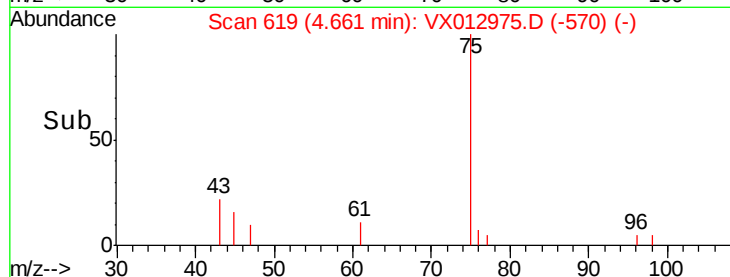
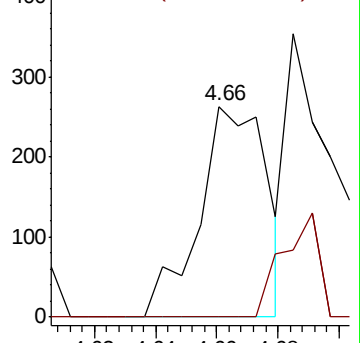
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#27

cis-1,2-Dichloroethene

Concen: 7.713 ug/l

RT: 4.59 min Scan# 607

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

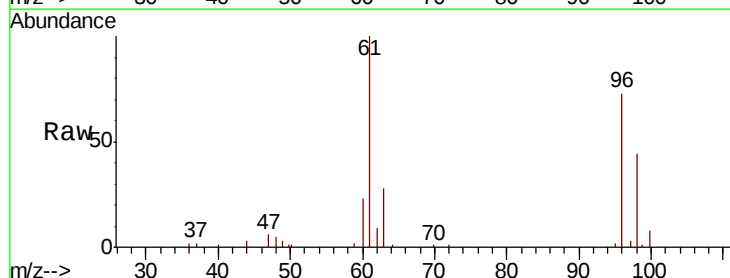
Tgt Ion: 96 Resp: 16834

Ion Ratio Lower Upper

96 100

61 130.5 0.0 290.6

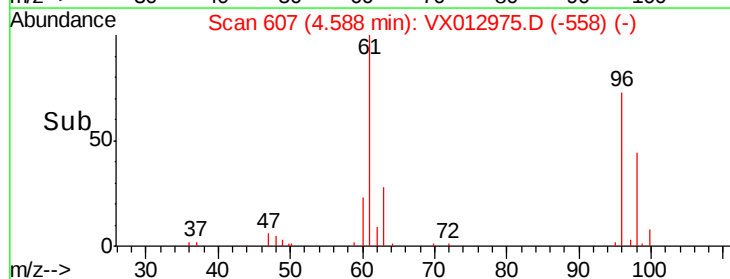
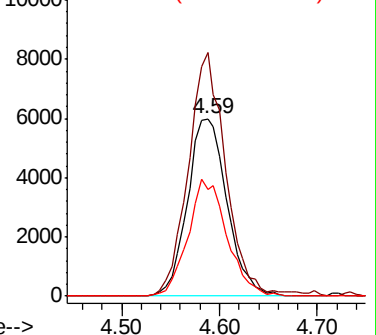
98 64.9 0.0 128.8

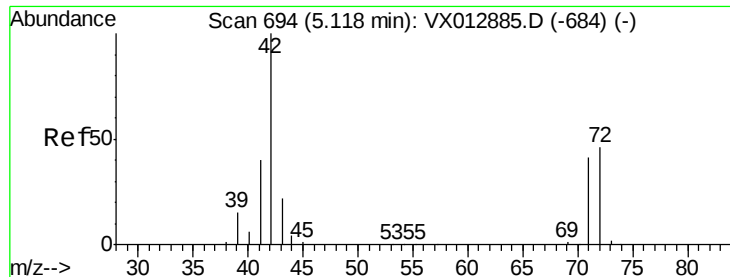


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#29

Tetrahydrofuran

Concen: 0.393 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

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ClientSampleId :

FA19-JMW1982-9001

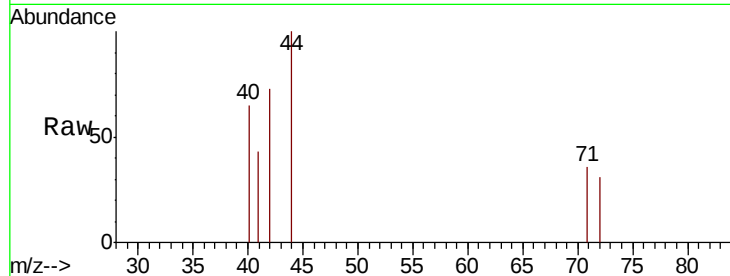
Tot Ion: 42 Resp: 386

Ion Ratio Lower Upper

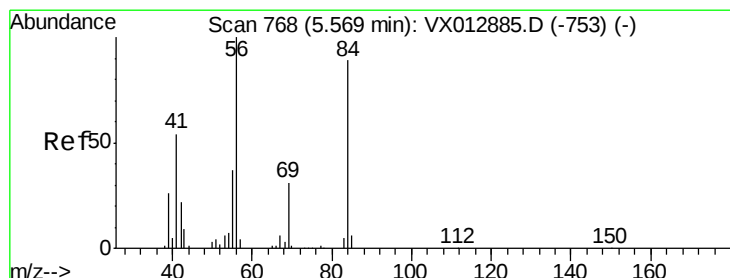
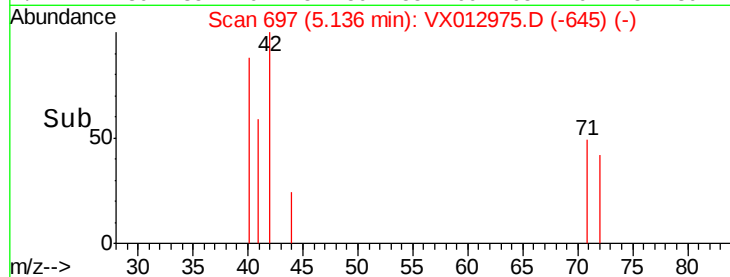
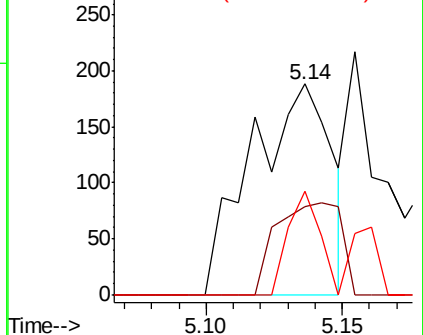
42 100

72 35.2 36.9 55.3#

71 19.7 33.5 50.3#



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



#31

Cyclohexane

Concen: 1.242 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.09 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

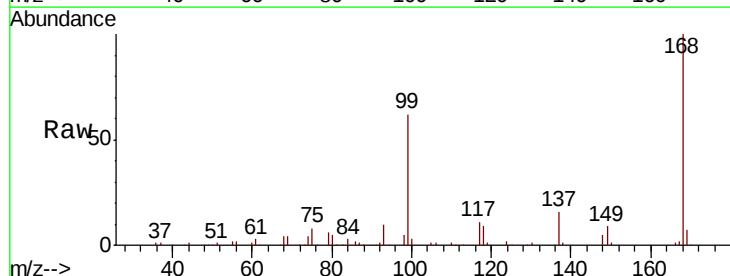
Tgt Ion: 56 Resp: 3939

Ion Ratio Lower Upper

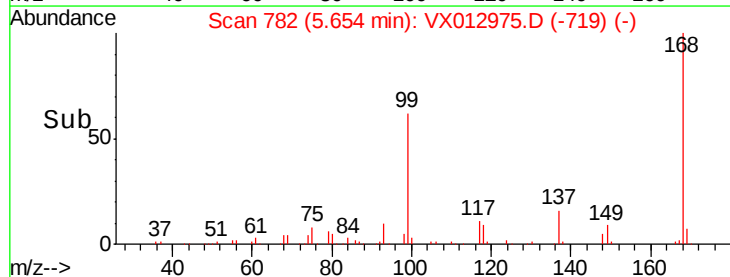
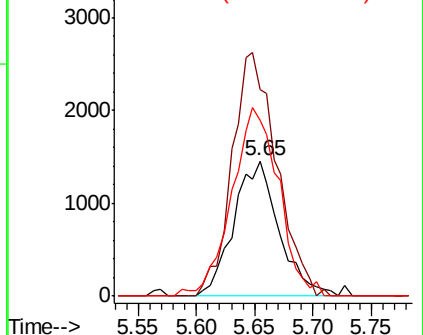
56 100

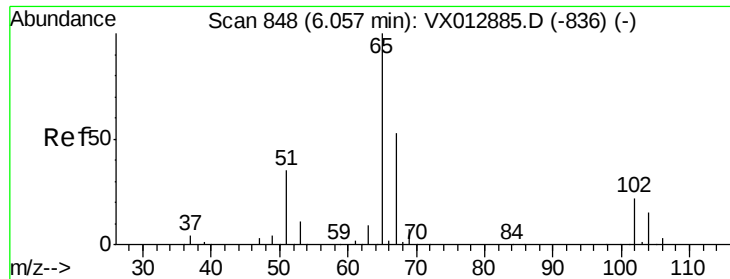
69 153.1 25.2 37.8#

84 130.4 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





#33

1,2-Dichloroethane-d4

Concen: 52.119 ug/l

RT: 6.06 min Scan# 848

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

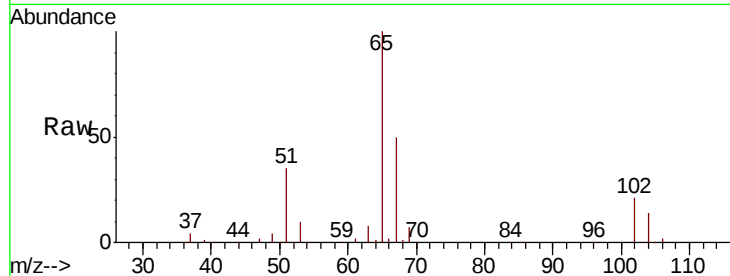
FA19-JMW1982-9001

Tot Ion: 65 Resp: 113884

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

40000

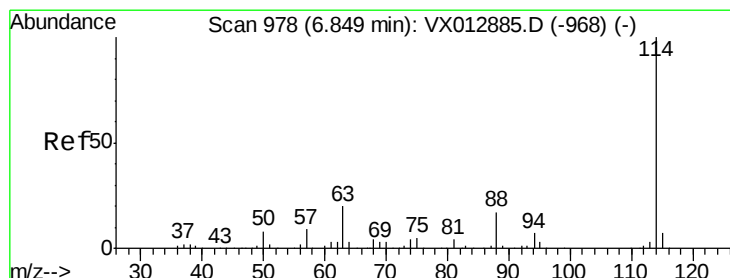
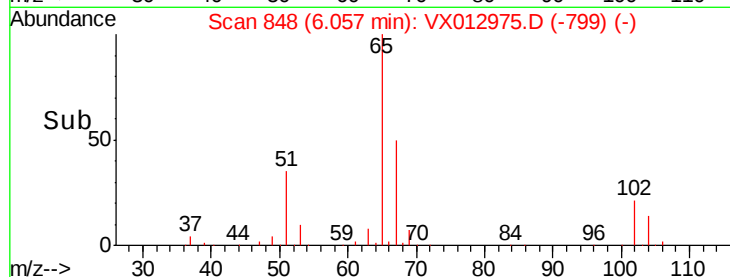
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

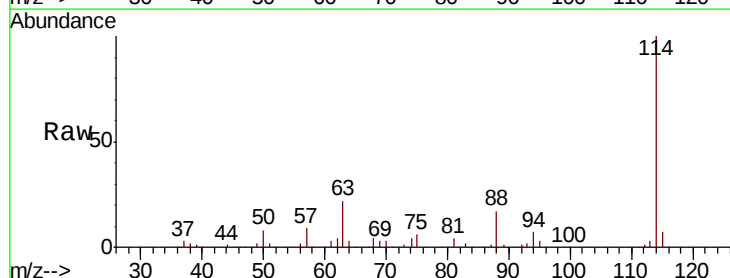
Tgt Ion: 114 Resp: 288620

Ion Ratio Lower Upper

114 100

63 21.8 0.0 40.8

88 17.1 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

6.85

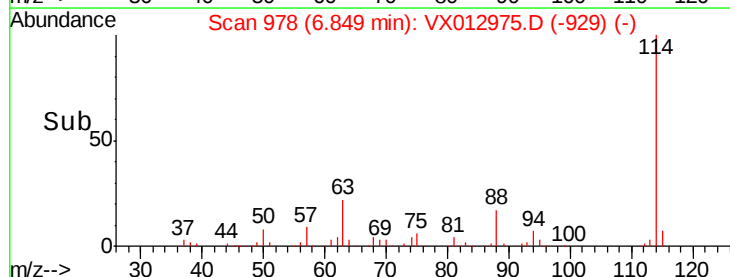
150000

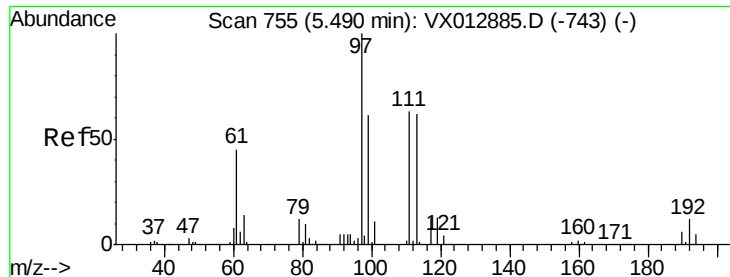
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

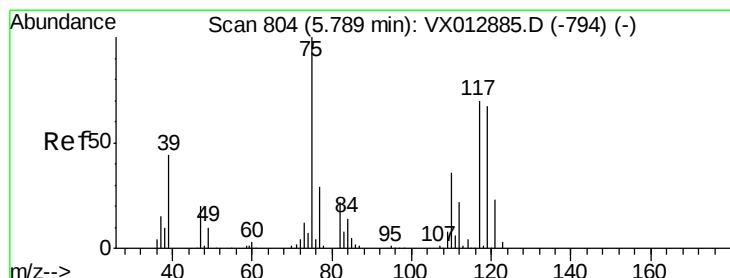
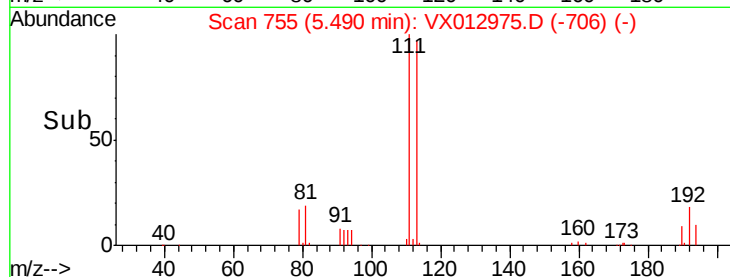
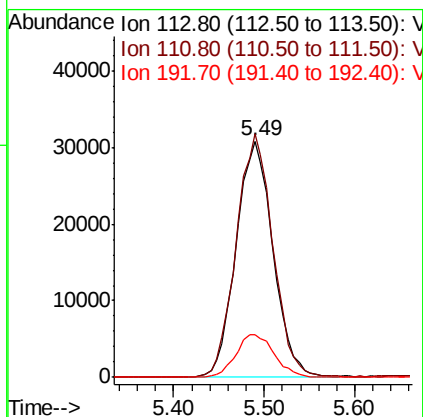
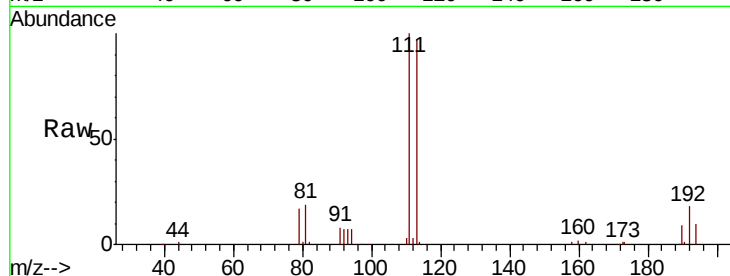




#35
Dibromofluoromethane
Concen: 52.613 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

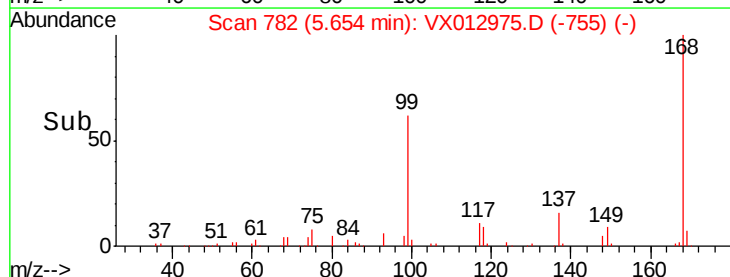
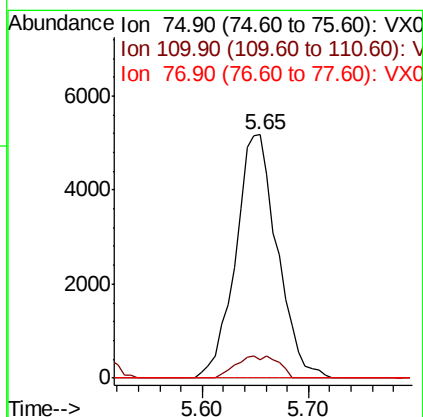
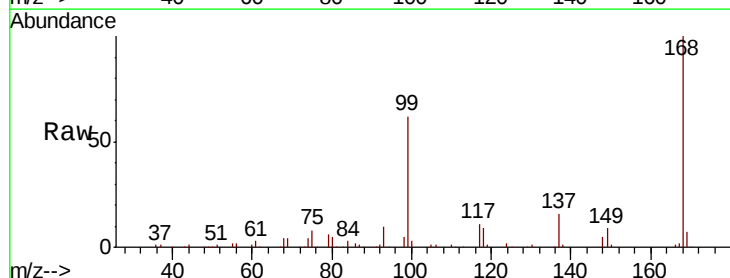
Instrument :
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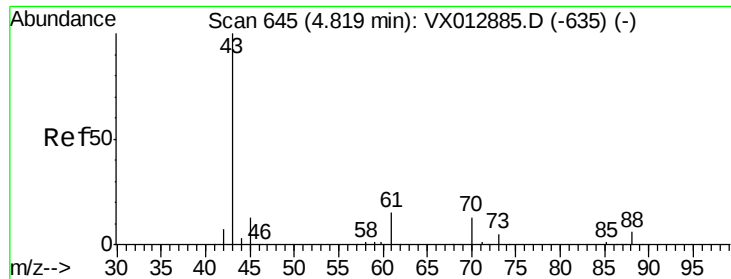
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.2	124.8
192	18.8	15.4	23.2



#36
1,1-Dichloropropene
Concen: 5.606 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.13 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.6	52.9#
77	0.0	24.4	36.6#

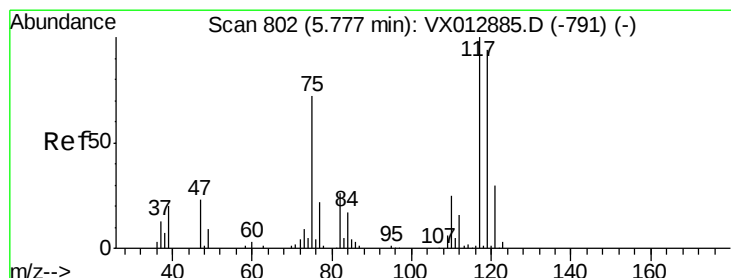
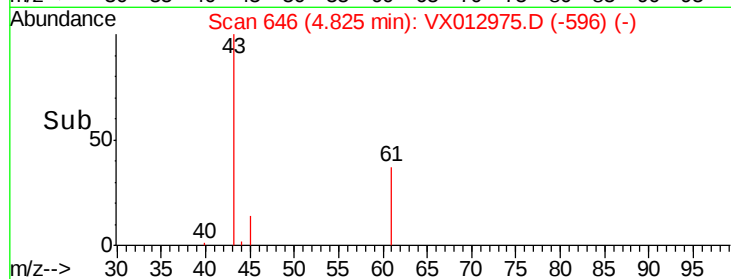
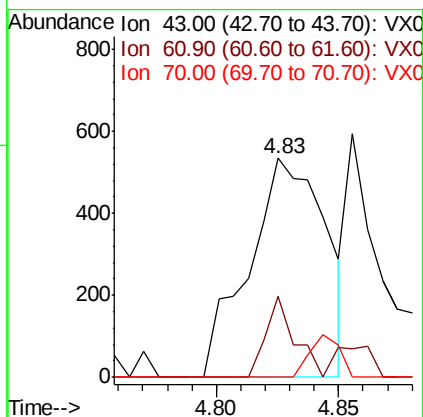
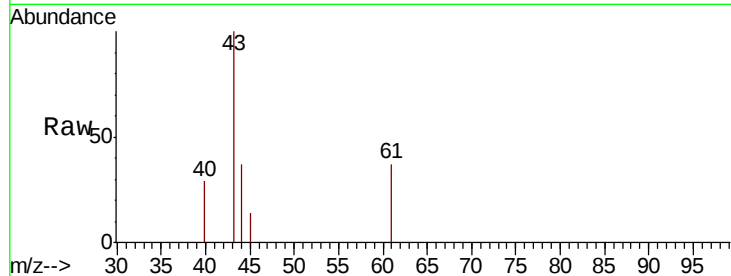




#37
Ethyl Acetate
Concen: 0.411 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

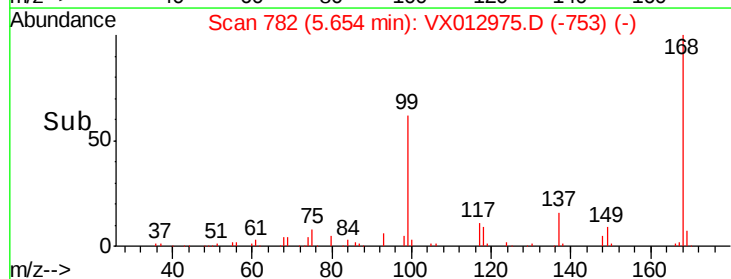
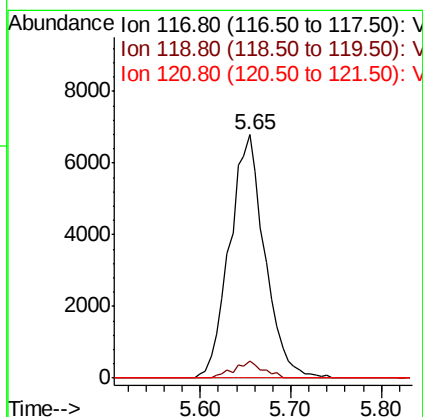
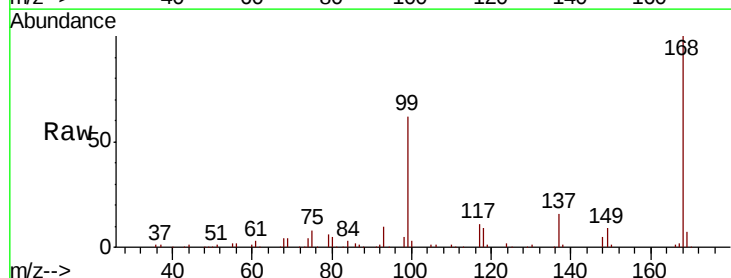
Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1982-9001

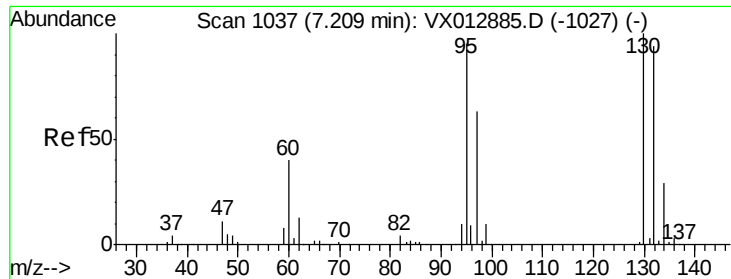
Tot Ion: 43 Resp: 1167
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 7.5 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.397 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

Tgt Ion: 117 Resp: 18270
Ion Ratio Lower Upper
117 100
119 6.9 74.5 111.7#
121 0.0 24.2 36.4#





#44

Trichloroethene

Concen: 12.901 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

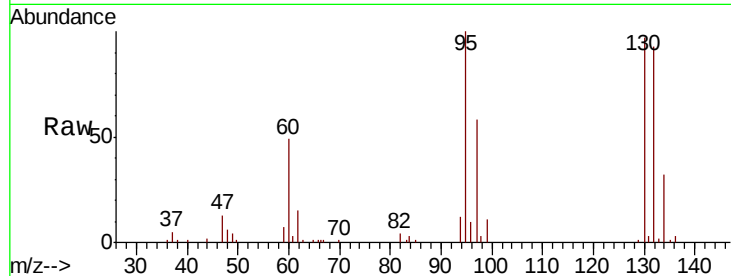
FA19-JMW1982-9001

Tot Ion:130 Resp: 26812

Ion Ratio Lower Upper

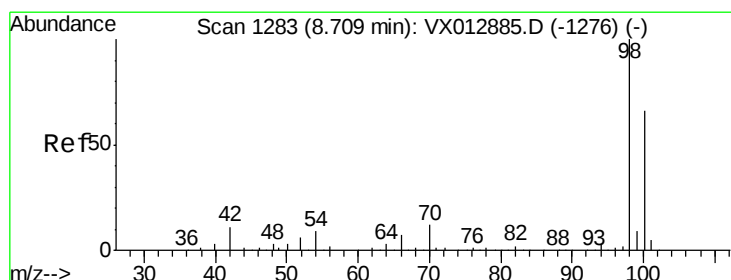
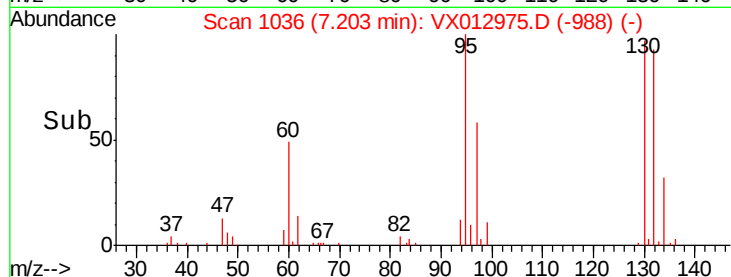
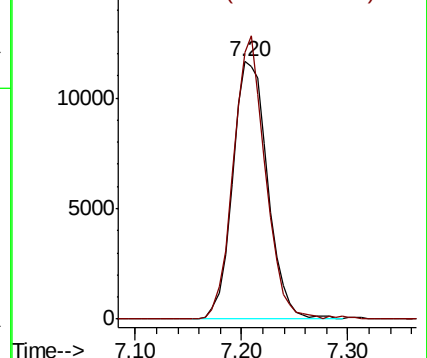
130 100

95 103.6 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: 52.203 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012975.D

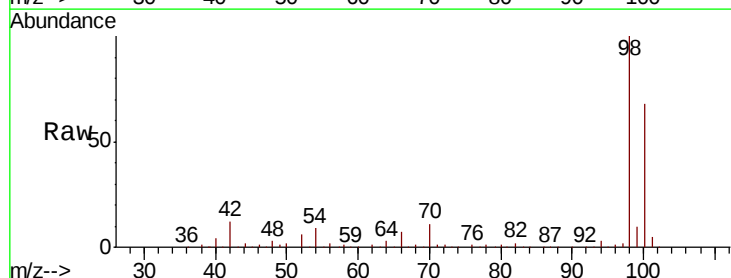
Acq: 10 Oct 2019 04:56

Tgt Ion: 98 Resp: 337279

Ion Ratio Lower Upper

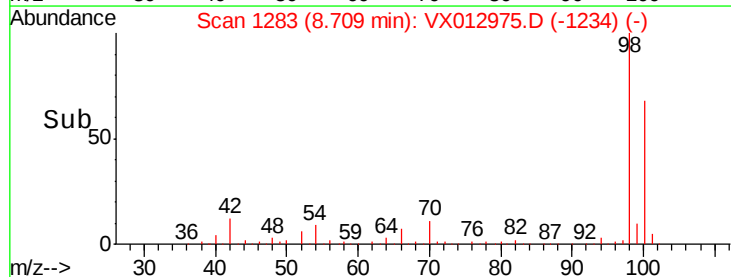
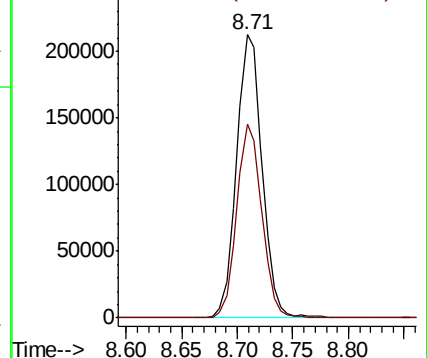
98 100

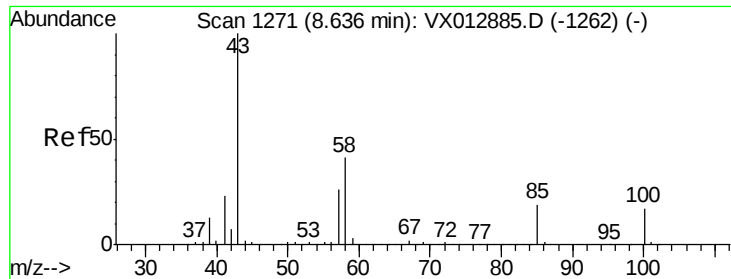
100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

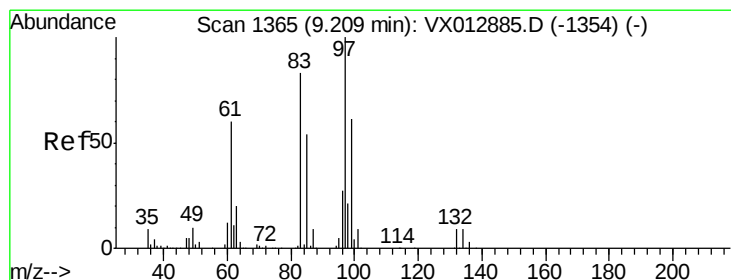
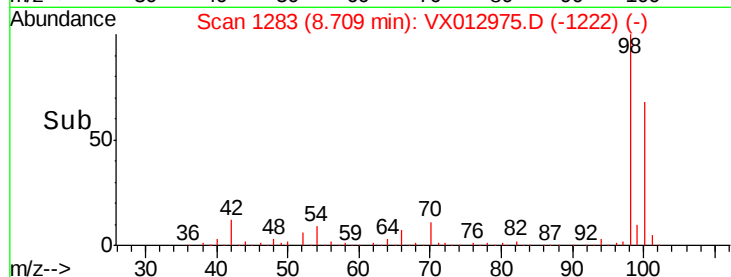
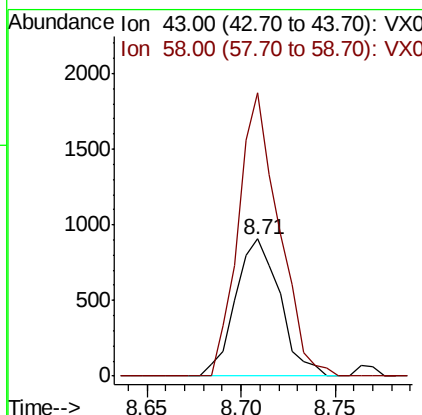
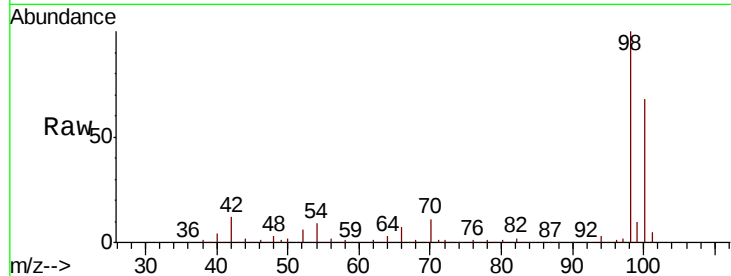




#51
 4-Methyl-2-Pentanone
 Concen: 0.522 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.07 min
 Lab File: VX012975.D
 Acq: 10 Oct 2019 04:56

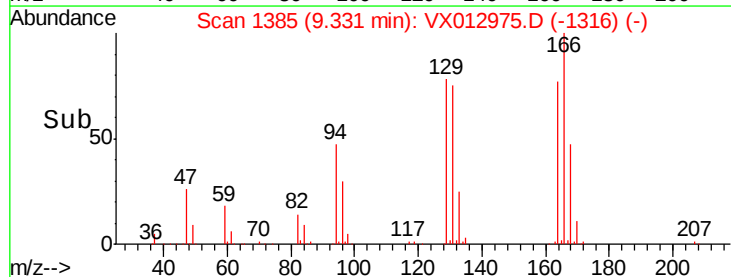
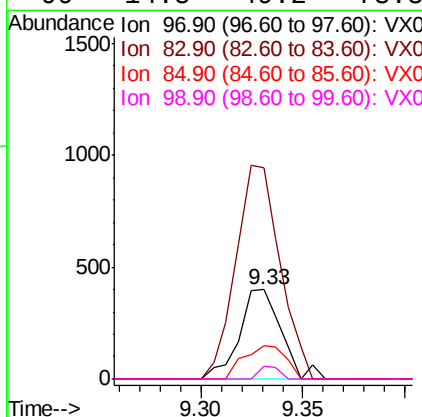
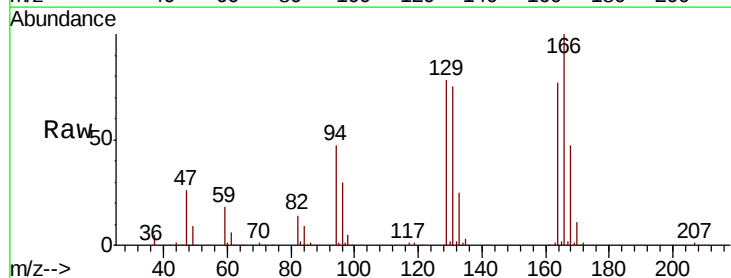
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JMW1982-9001

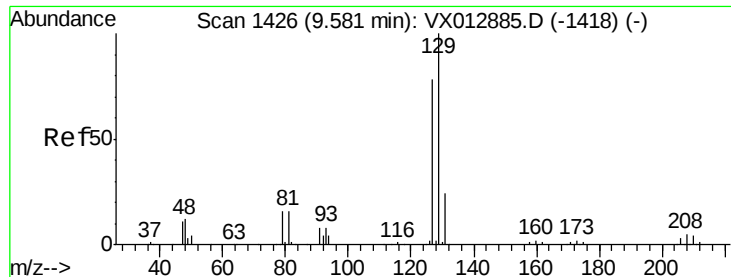
Tot Ion: 43 Resp: 1482
 Ion Ratio Lower Upper
 43 100
 58 188.5 32.4 48.6#



#55
 1,1,2-Trichloroethane
 Concen: 0.301 ug/l
 RT: 9.33 min Scan# 1385
 Delta R.T. 0.12 min
 Lab File: VX012975.D
 Acq: 10 Oct 2019 04:56

Tgt Ion: 97 Resp: 571
 Ion Ratio Lower Upper
 97 100
 83 236.3 66.5 99.7#
 85 37.1 43.1 64.7#
 99 14.5 49.2 73.8#





#60

Dibromochloromethane

Concen: 29.705 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

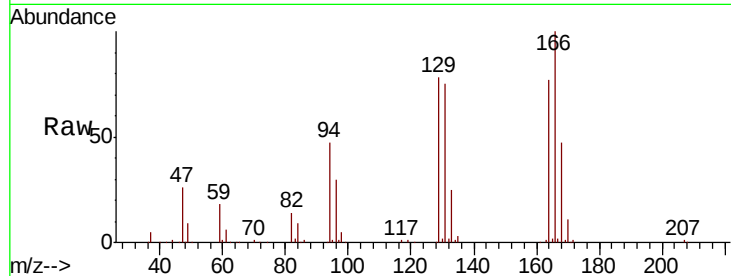
FA19-JMW1982-9001

Tot Ion:129 Resp: 61073

Ion Ratio Lower Upper

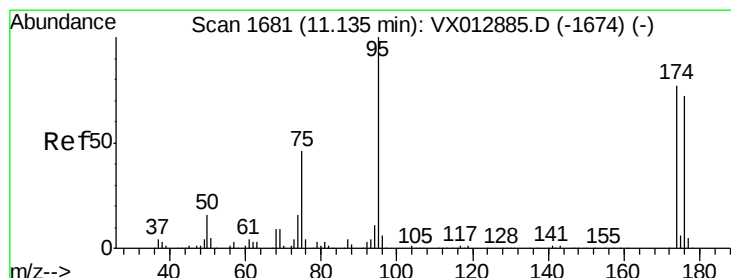
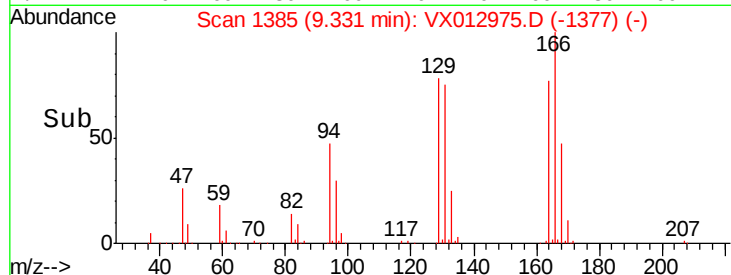
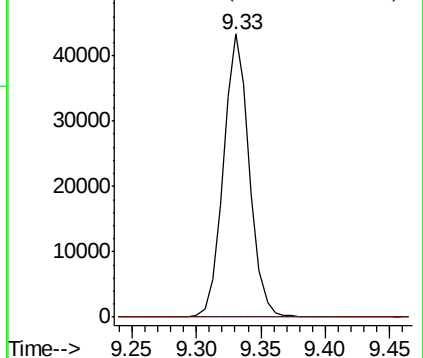
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.724 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

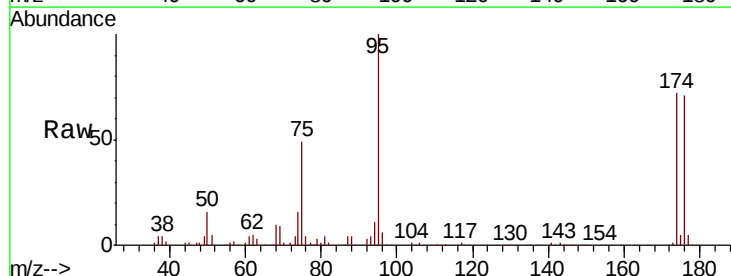
Tgt Ion: 95 Resp: 109766

Ion Ratio Lower Upper

95 100

174 70.7 0.0 143.4

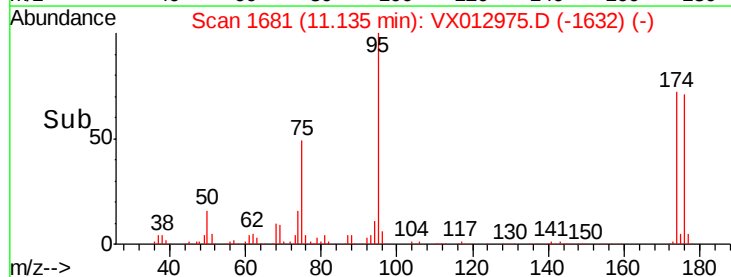
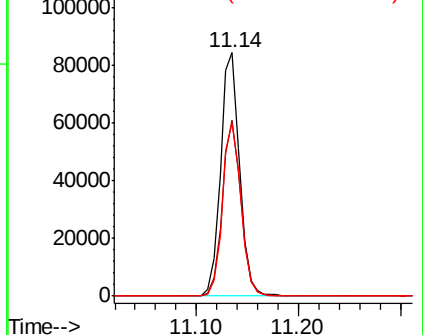
176 69.2 0.0 136.0

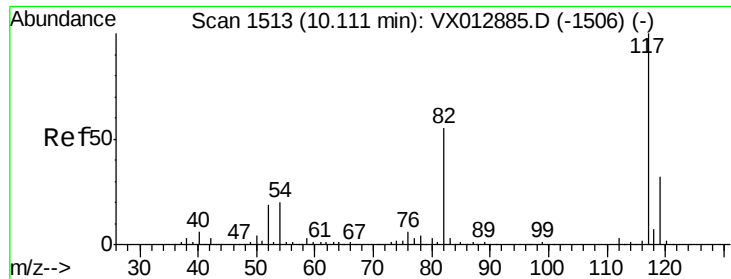


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

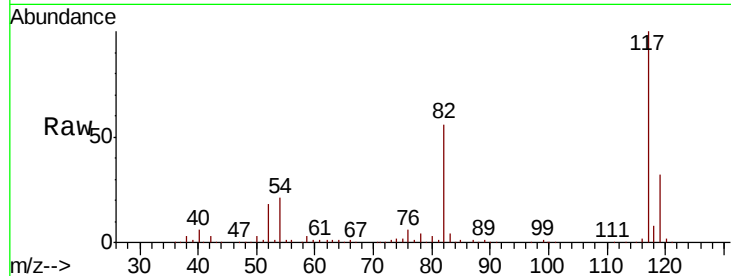




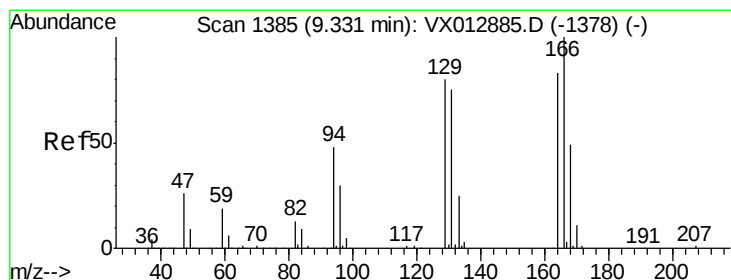
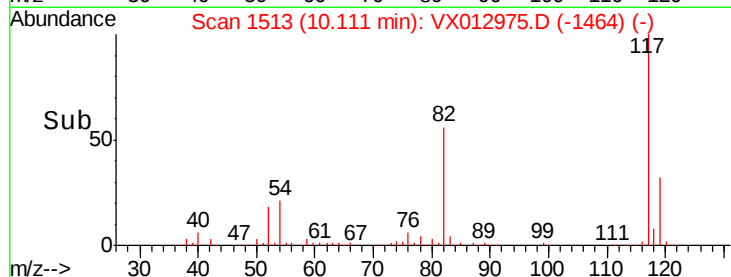
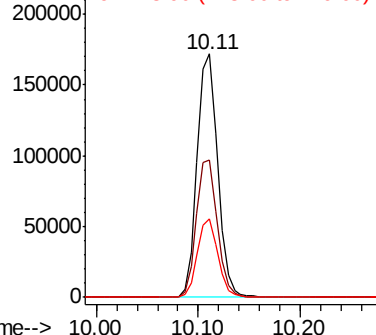
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

Instrument :
MSVOA_X
ClientSampleId :
FA19-JMW1982-9001

Tot Ion:117 Resp: 241302
Ion Ratio Lower Upper
117 100
82 56.5 44.1 66.1
119 32.3 25.8 38.8



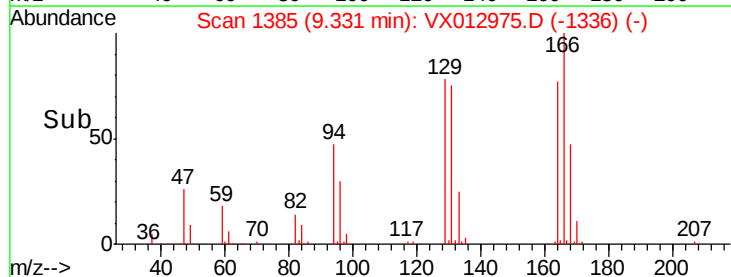
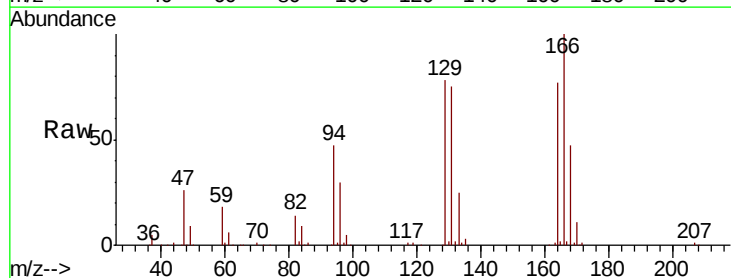
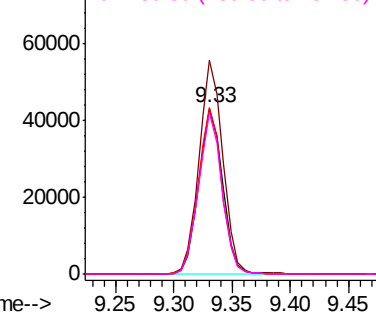
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

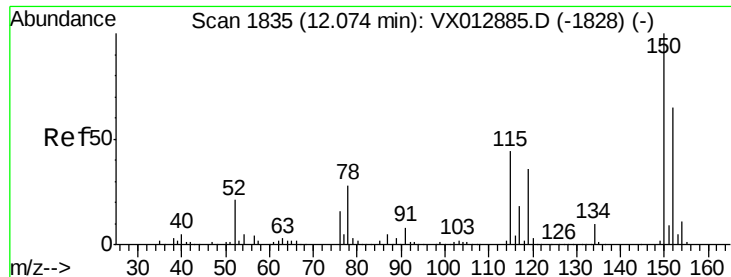


#64
Tetrachloroethene
Concen: 36.762 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX012975.D
Acq: 10 Oct 2019 04:56

Tgt Ion:164 Resp: 61528
Ion Ratio Lower Upper
164 100
166 129.1 96.9 145.3
129 100.4 77.9 116.9
131 97.4 72.7 109.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1982-9001

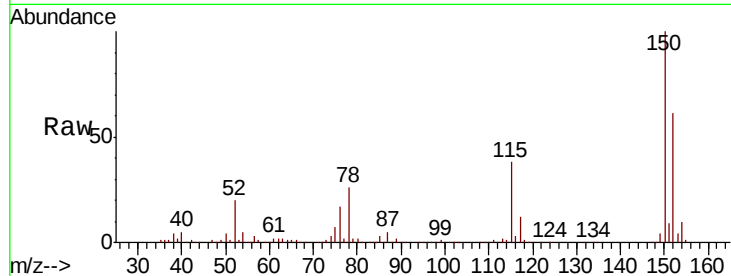
Tot Ion:152 Resp: 86324

Ion Ratio Lower Upper

152 100

115 63.2 44.5 133.5

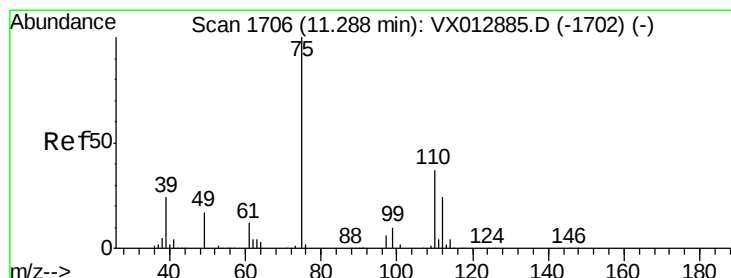
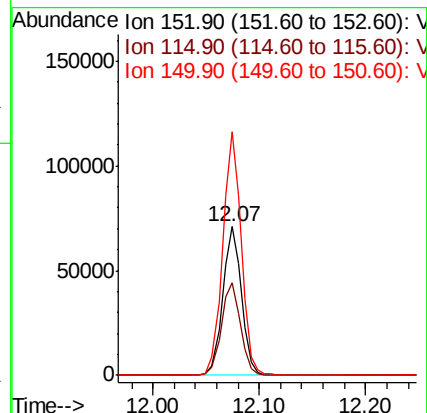
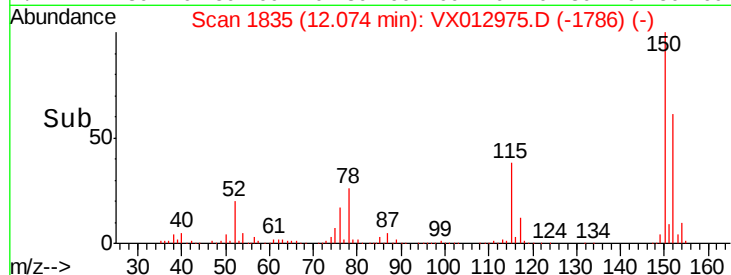
150 162.1 0.0 353.4



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: 28.445 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012975.D

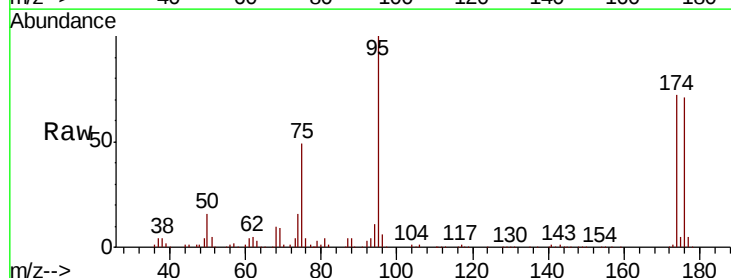
Acq: 10 Oct 2019 04:56

Tgt Ion: 75 Resp: 54462

Ion Ratio Lower Upper

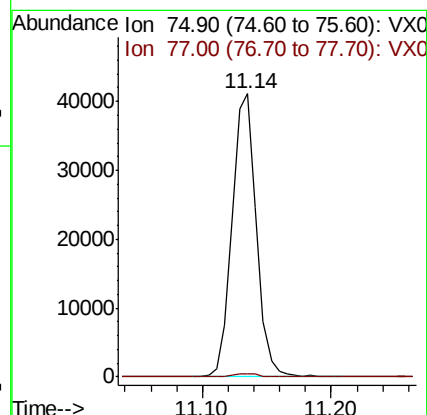
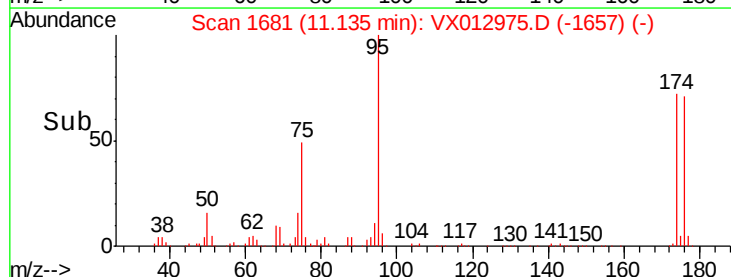
75 100

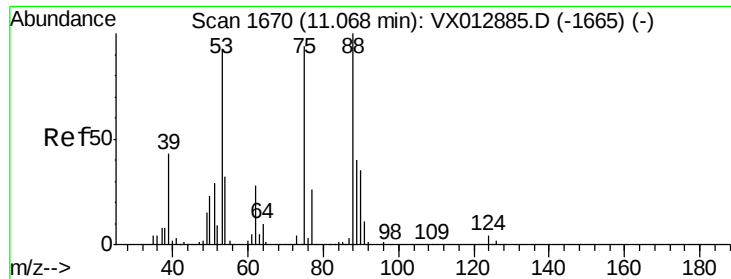
77 1.1 22.9 68.8#



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: 71.255 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012975.D

Acq: 10 Oct 2019 04:56

Instrument :

MSVOA_X

ClientSampleId :

FA19-JMW1982-9001

Tot Ion: 75 Resp: 54462

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.1 37.4 56.2#

