

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012872.D
 Acq On : 08 Oct 2019 05:36
 Operator : JC/SP
 Sample : K5122-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

Quant Time: Oct 08 11:18:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	308175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263375	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	104231	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	119546	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
35) Dibromofluoromethane	5.49	113	92525	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
50) Toluene-d8	8.71	98	359834	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	124882	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	

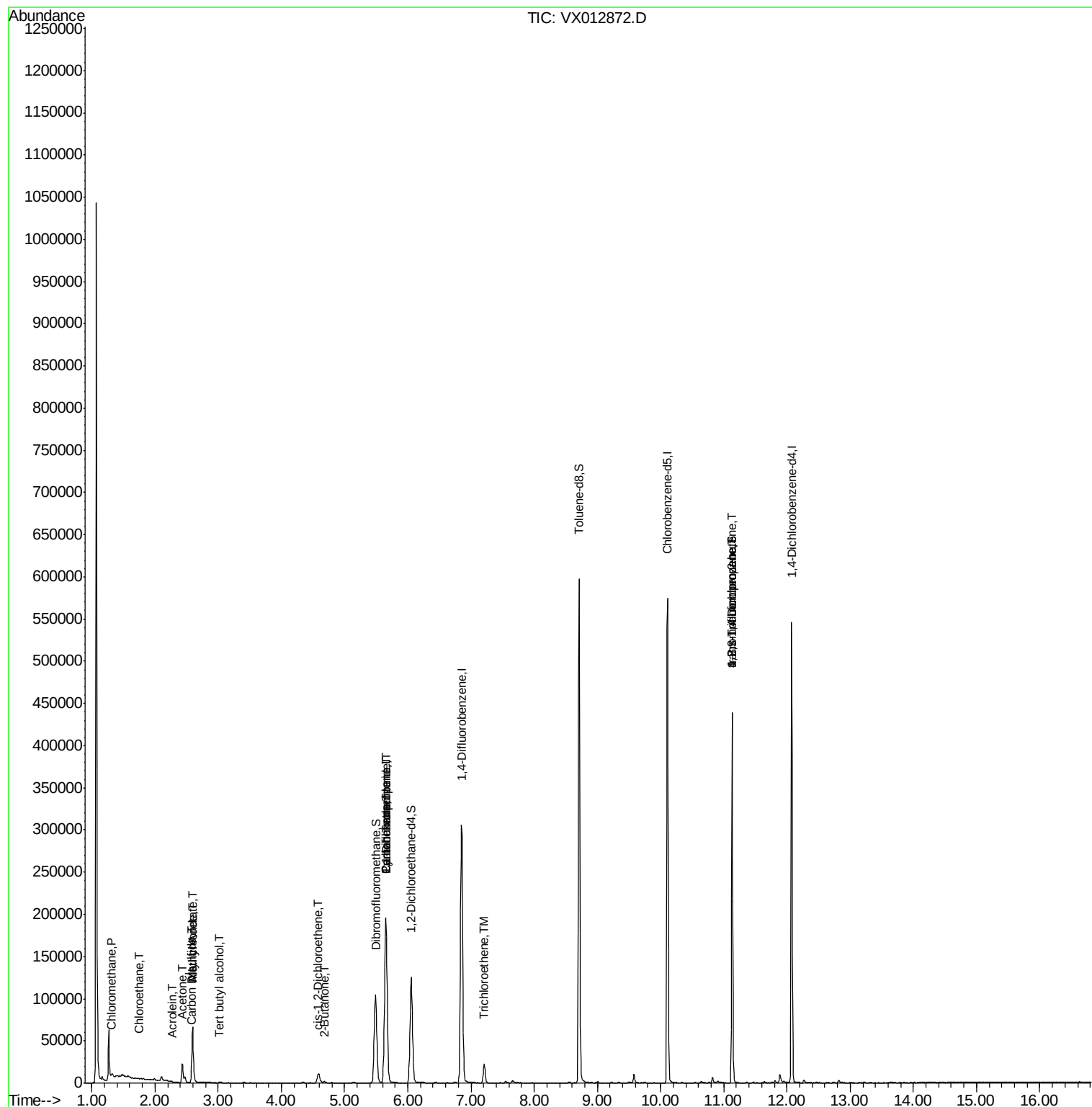
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1067	0.457	ug/l	99
6) Chloroethane	1.75	64	1075	0.687	ug/l #	78
11) Tert butyl alcohol	3.02	59	1522	2.314	ug/l #	76
13) Acrolein	2.28	56	48	10.359	ug/l #	1
14) Allyl chloride	2.59	41	6028	1.563	ug/l #	65
16) Acetone	2.43	43	24435	17.522	ug/l	99
17) Carbon Disulfide	2.57	76	1455	0.267	ug/l #	75
18) Methyl Acetate	2.59	43	16656	5.072	ug/l #	54
25) 2-Butanone	4.67	43	2963	1.482	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	7271	2.910	ug/l	81
31) Cyclohexane	5.65	56	4005	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14524	4.889	ug/l #	51
38) Carbon Tetrachloride	5.65	117	18698	6.197	ug/l #	16
44) Trichloroethene	7.21	130	8996	4.026	ug/l	91
76) 1,2,3-Trichloropropane	11.14	75	61780	22.407	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	61780	64.214	ug/l #	8

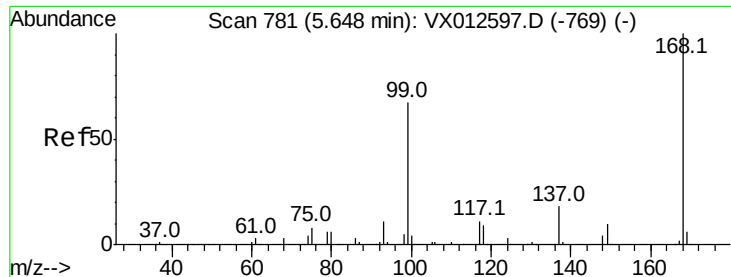
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA_X

ClientSampleId :

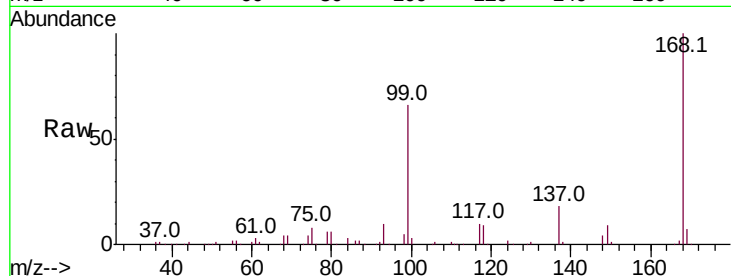
FA19-CHY05

Tot Ion:168 Resp: 180796

Ion Ratio Lower Upper

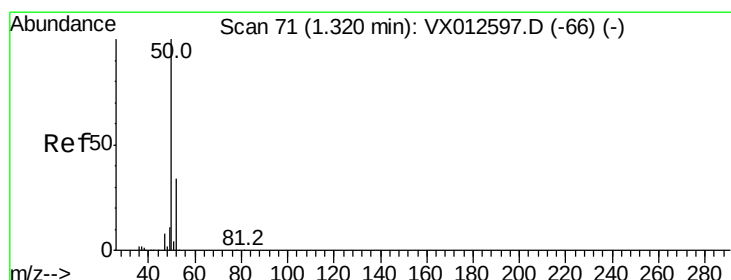
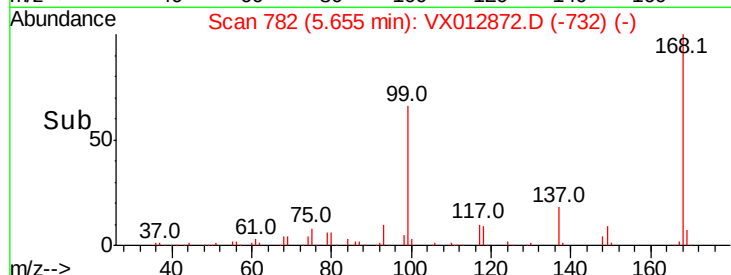
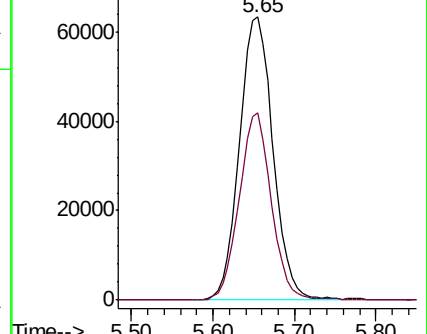
168 100

99 66.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.457 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012872.D

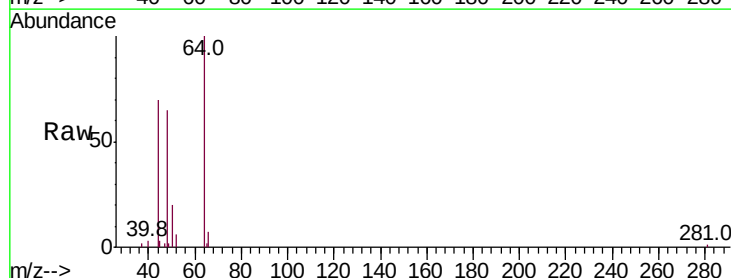
Acq: 08 Oct 2019 05:36

Tgt Ion: 50 Resp: 1067

Ion Ratio Lower Upper

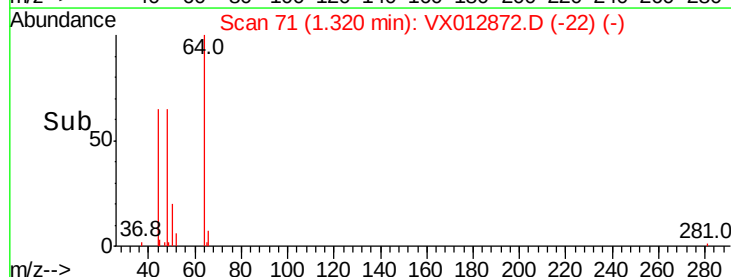
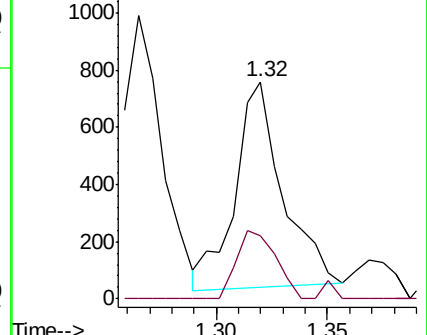
50 100

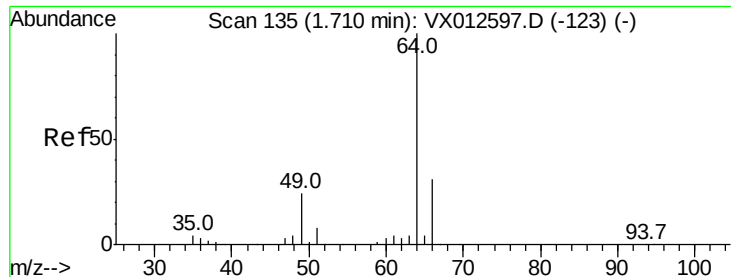
52 31.4 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.687 ug/l

RT: 1.75 min Scan# 142

Delta R.T. 0.04 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA_X

ClientSampleId :

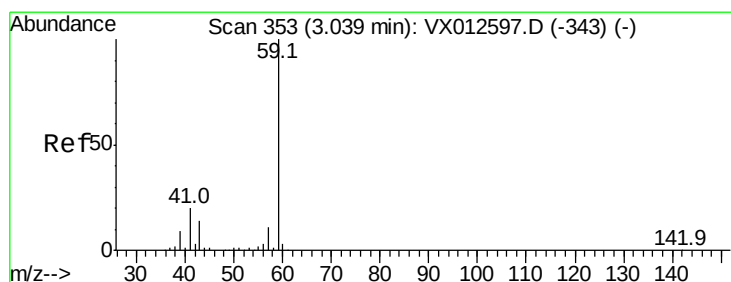
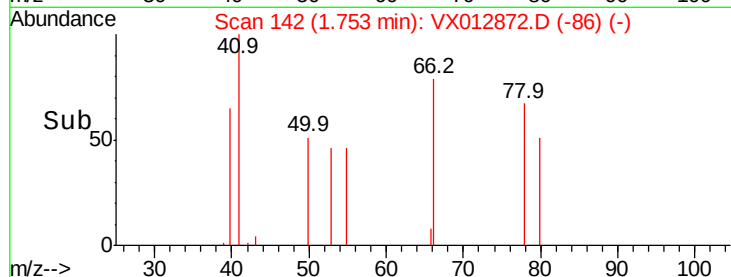
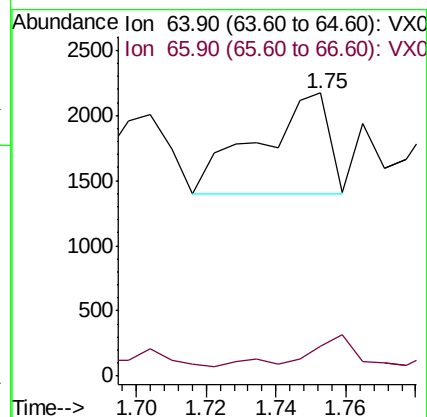
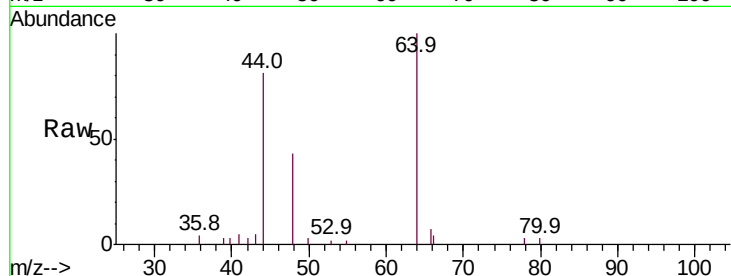
FA19-CHY05

Tot Ion: 64 Resp: 1075

Ion Ratio Lower Upper

64 100

66 18.0 24.0 36.0#



#11

Tert butyl alcohol

Concen: 2.314 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012872.D

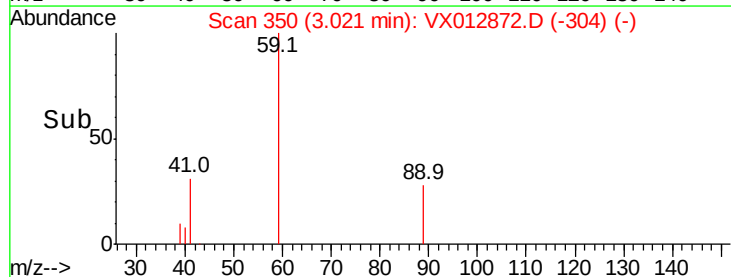
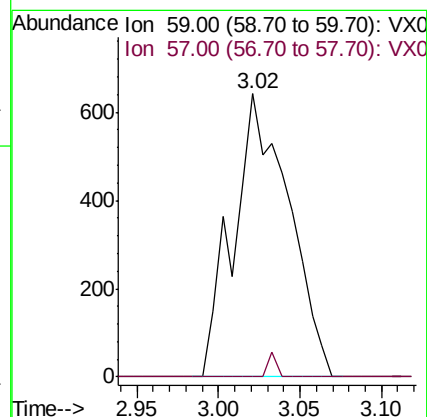
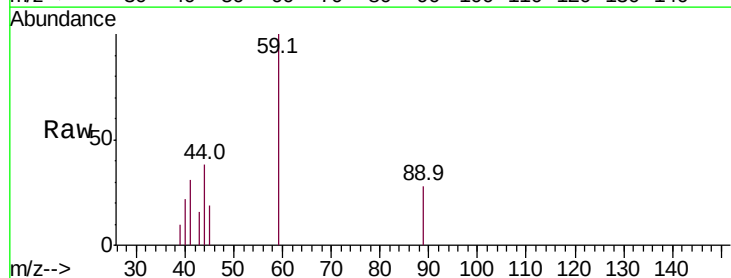
Acq: 08 Oct 2019 05:36

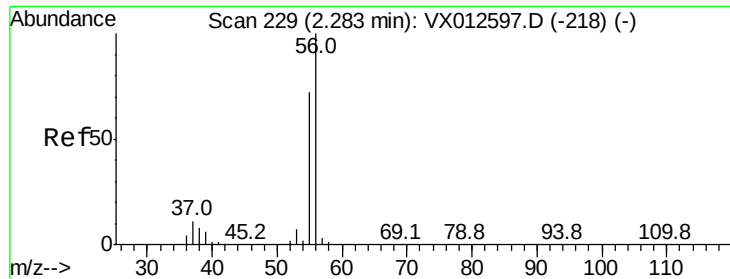
Tgt Ion: 59 Resp: 1522

Ion Ratio Lower Upper

59 100

57 1.3 8.3 12.5#





#13

Acrolein

Concen: 10.359 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.00 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA_X

ClientSampleId :

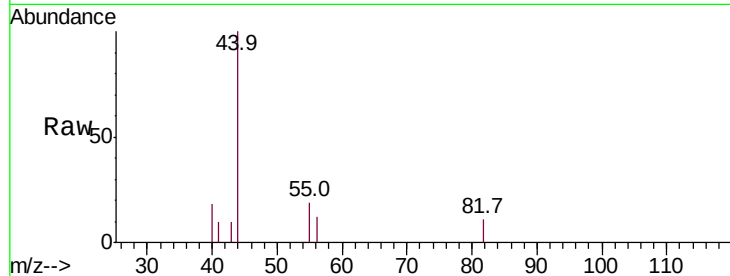
FA19-CHY05

Tot Ion: 56 Resp: 48

Ion Ratio Lower Upper

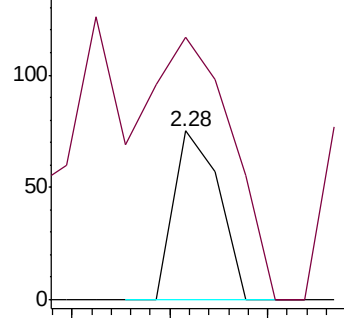
56 100

55 235.4 55.8 83.8#

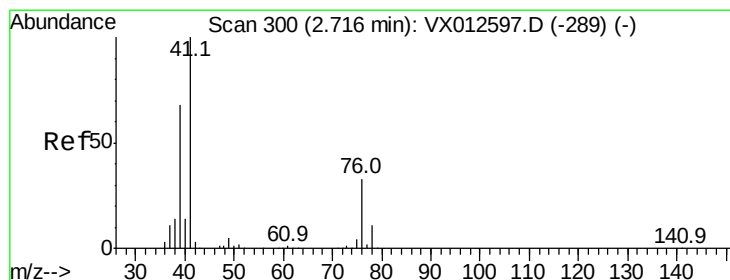
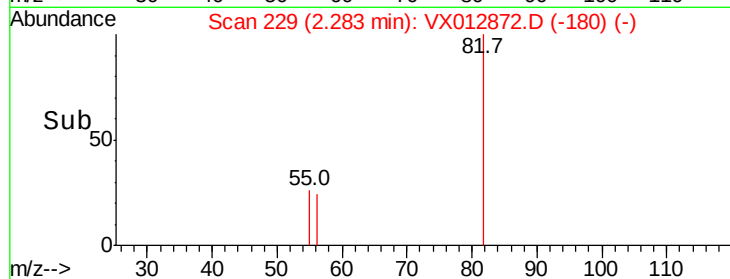


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#14

Allyl chloride

Concen: 1.563 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.12 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

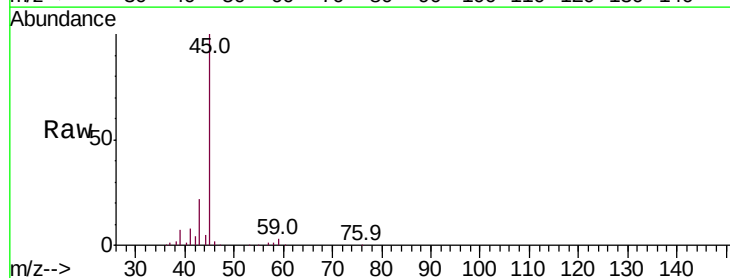
Tgt Ion: 41 Resp: 6028

Ion Ratio Lower Upper

41 100

39 85.2 51.3 76.9#

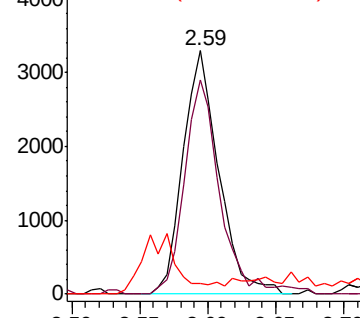
76 0.0 22.6 33.8#



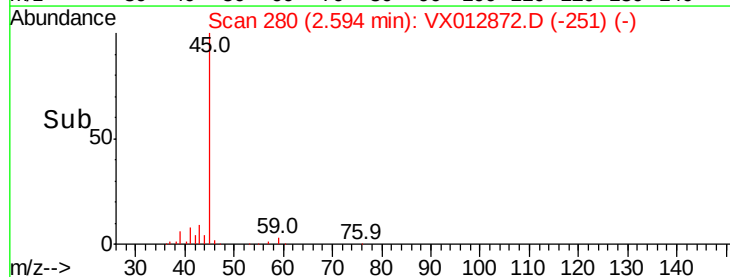
Abundance Ion 41.00 (40.70 to 41.70): VX0

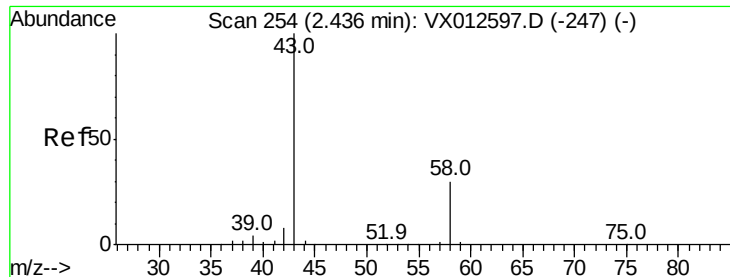
Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0



Time-->





#16

Acetone

Concen: 17.522 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA_X

ClientSampleId :

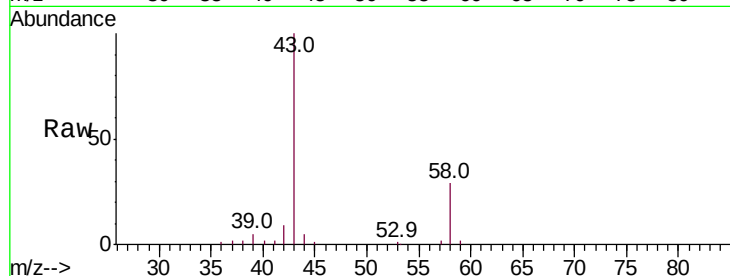
FA19-CHY05

Tot Ion: 43 Resp: 24435

Ion Ratio Lower Upper

43 100

58 28.5 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

15000

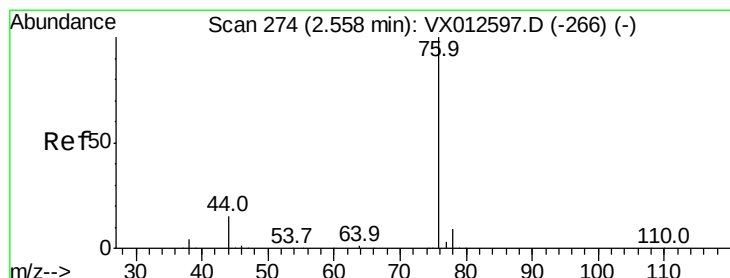
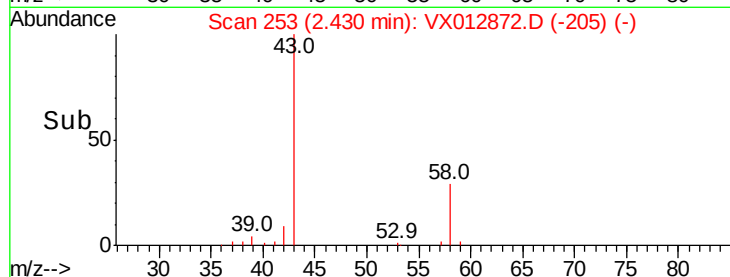
10000

5000

0

2.43

Time-->



#17

Carbon Disulfide

Concen: 0.267 ug/l

RT: 2.57 min Scan# 276

Delta R.T. 0.01 min

Lab File: VX012872.D

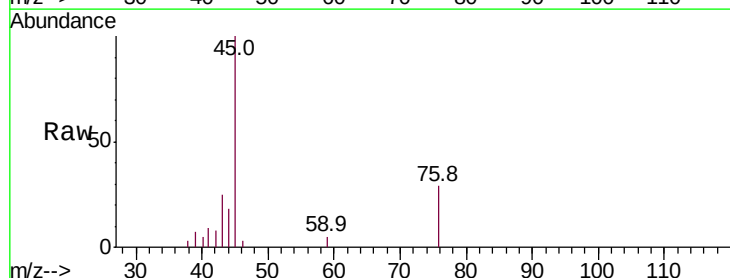
Acq: 08 Oct 2019 05:36

Tgt Ion: 76 Resp: 1455

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

800

600

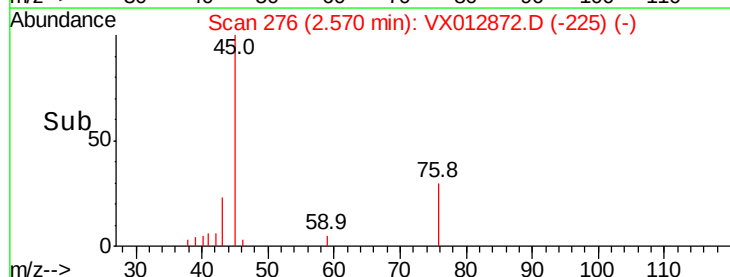
400

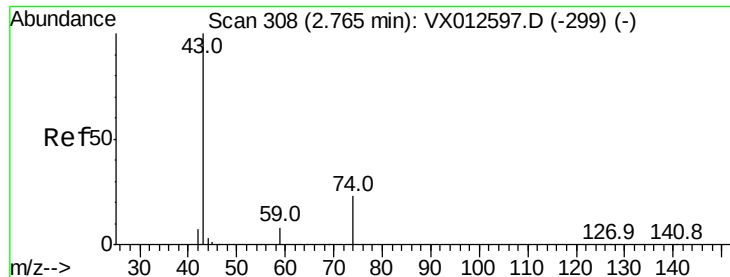
200

0

2.57

Time-->

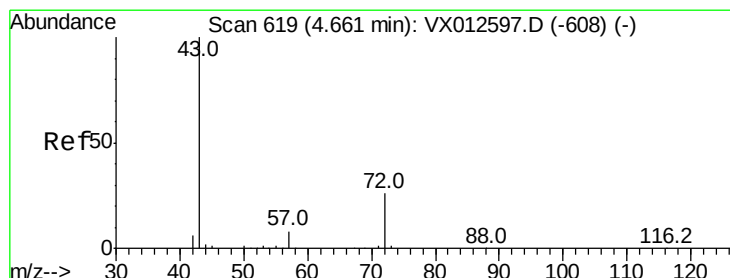
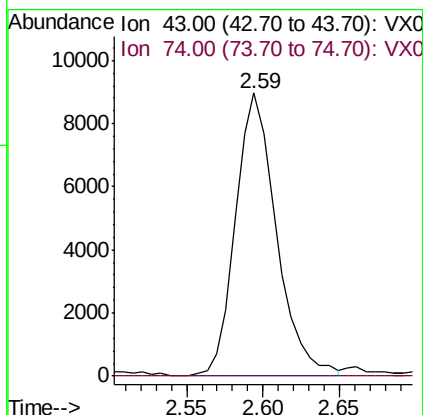
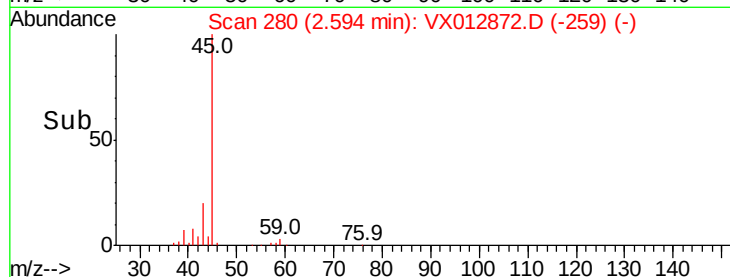
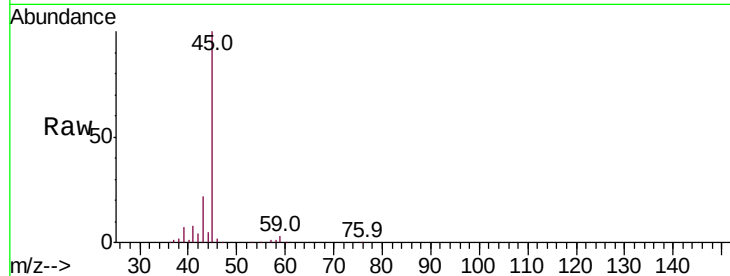




#18
Methvl Acetate
Concen: 5.072 ug/l
RT: 2.59 min Scan# 280
Delta R.T. -0.17 min
Lab File: VX012872.D
Acq: 08 Oct 2019 05:36

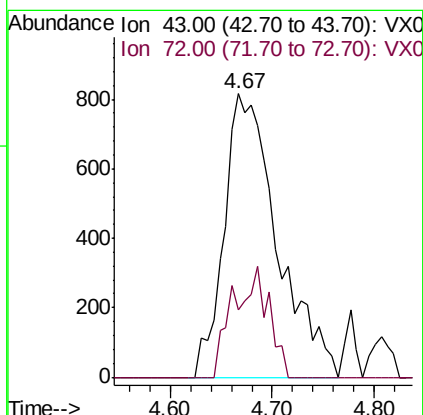
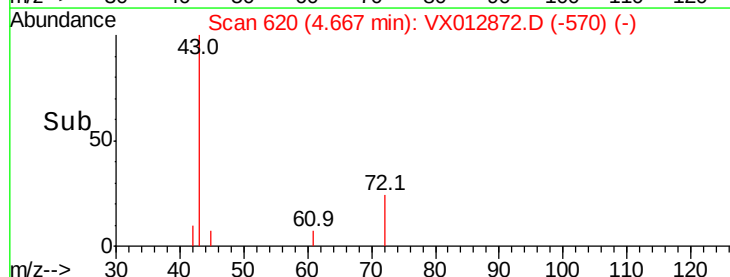
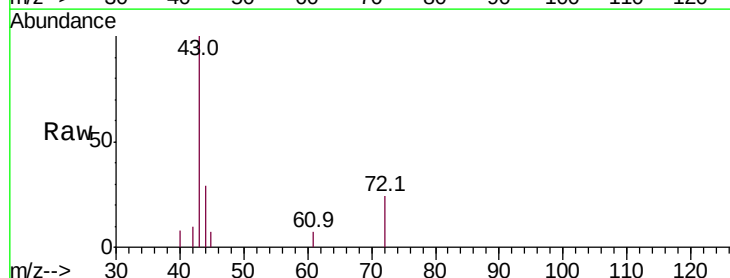
Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

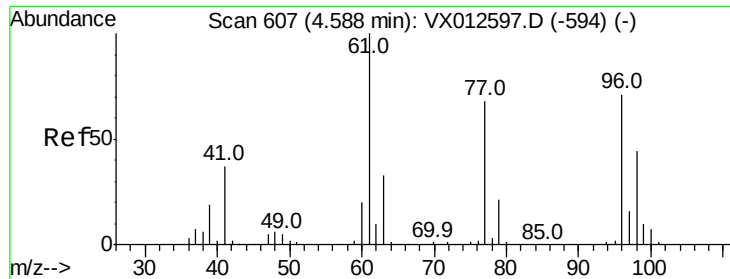
Tot Ion: 43 Resp: 16656
Ion Ratio Lower Upper
43 100
74 0.0 17.7 26.5#



#25
2-Butanone
Concen: 1.482 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX012872.D
Acq: 08 Oct 2019 05:36

Tgt Ion: 43 Resp: 2963
Ion Ratio Lower Upper
43 100
72 23.7 19.2 28.8



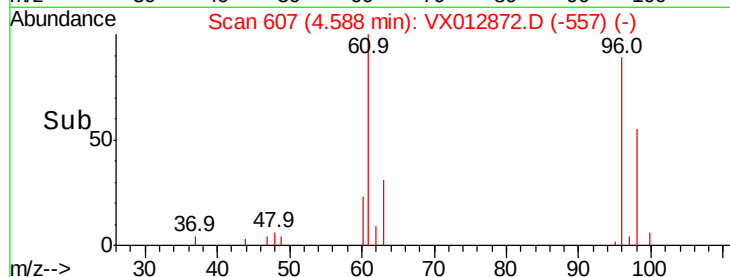
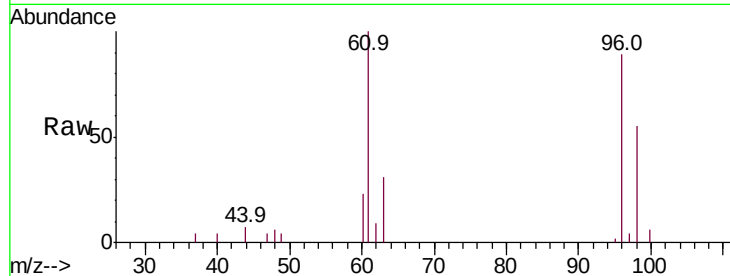


#27

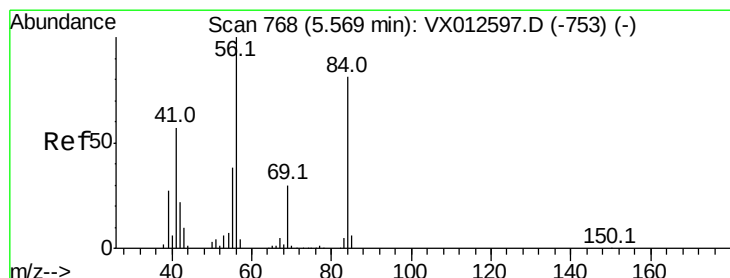
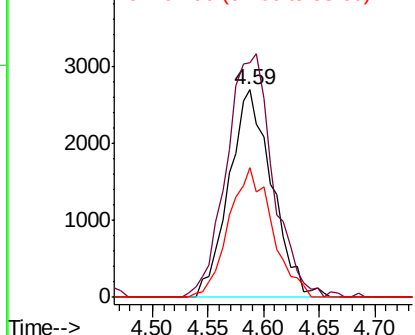
cis-1,2-Dichloroethene
 Concen: 2.910 ug/l
 RT: 4.59 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

Tot Ion: 96 Resp: 7271
 Ion Ratio Lower Upper
 96 100
 61 125.8 0.0 319.4
 98 62.7 0.0 130.6



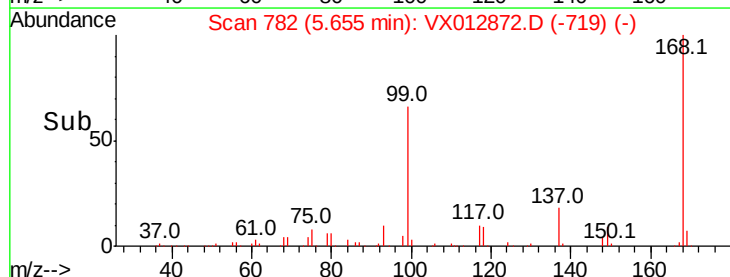
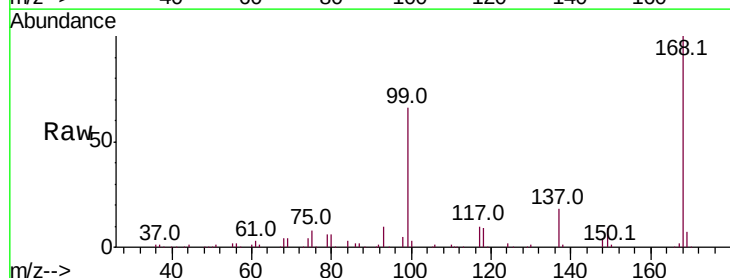
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



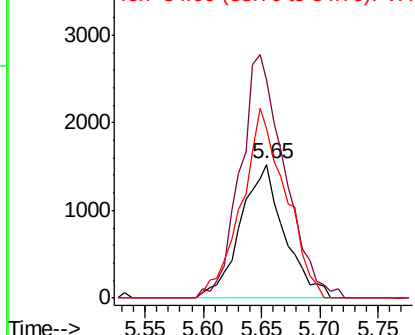
#31

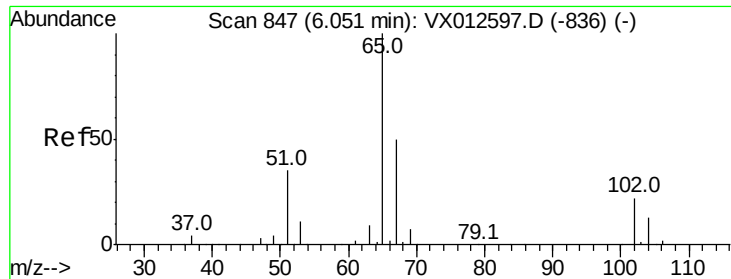
Cyclohexane
 Concen: 1.093 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.09 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Tgt Ion: 56 Resp: 4005
 Ion Ratio Lower Upper
 56 100
 69 162.1 25.0 37.6#
 84 126.1 66.4 99.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0

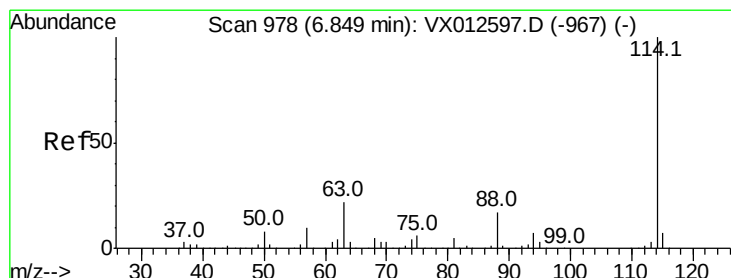
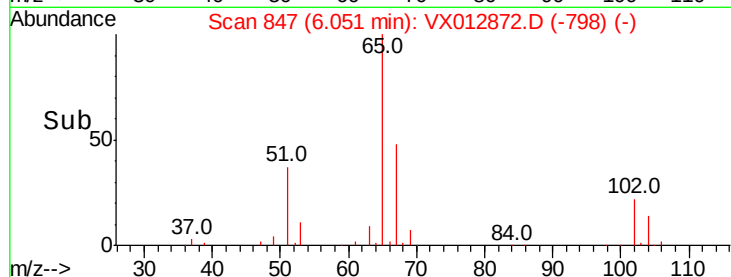
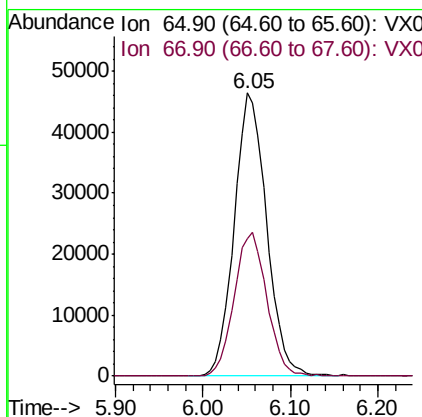
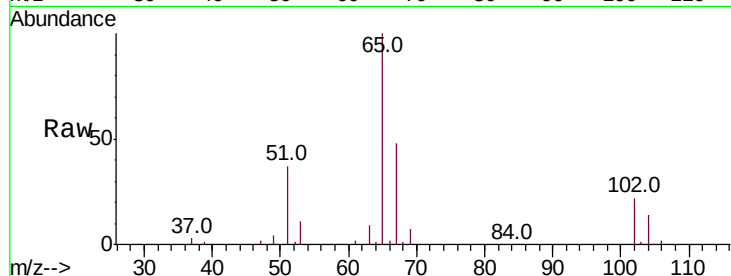




#33
 1,2-Dichloroethane-d4
 Concen: 45.407 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

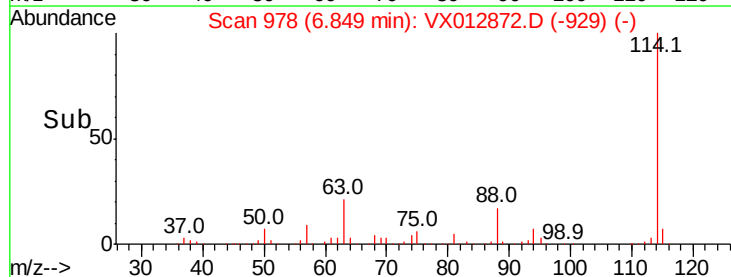
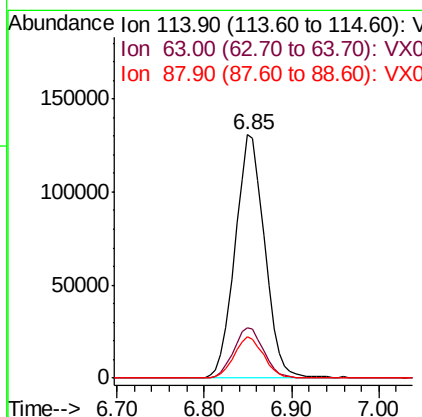
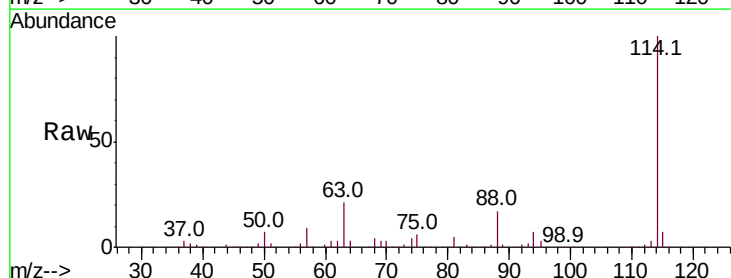
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

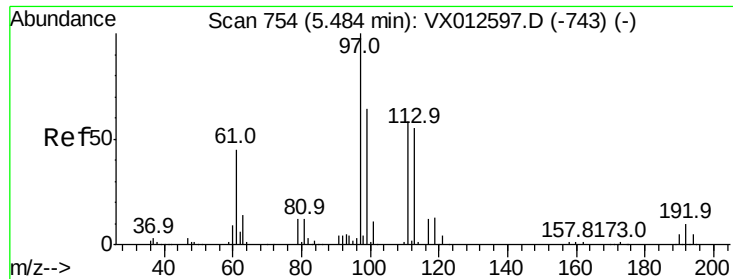
Tot Ion: 65 Resp: 119546
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Tgt Ion: 114 Resp: 308175
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 43.2
 88 17.2 0.0 33.2

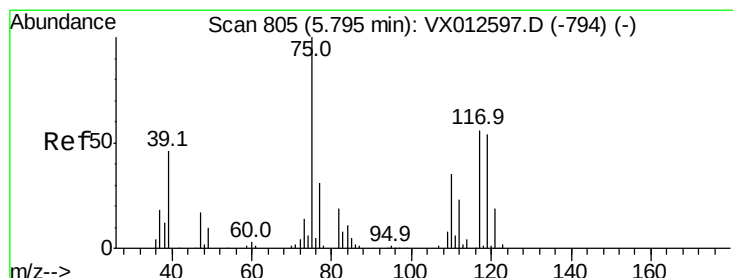
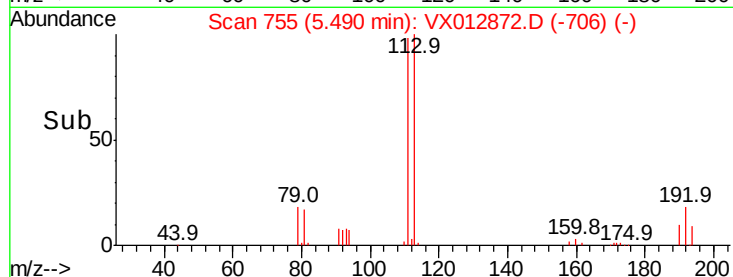
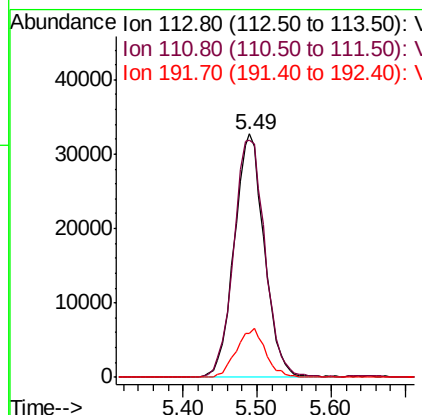
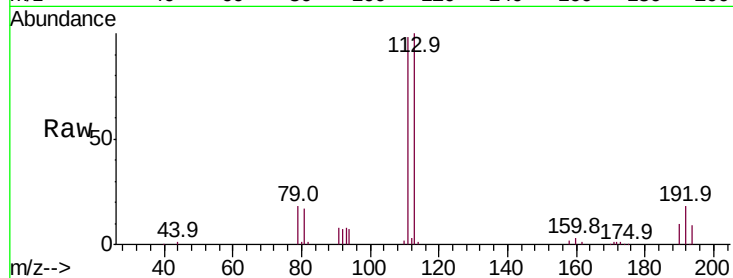




#35
 Dibromofluoromethane
 Concen: 50.414 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

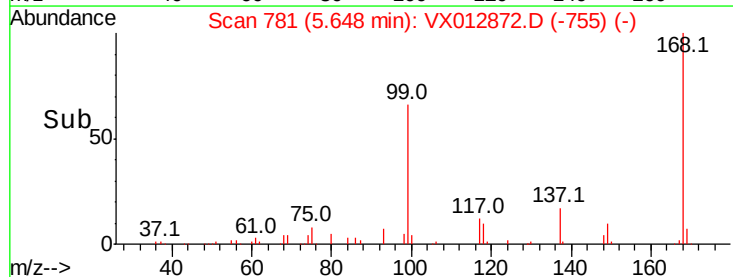
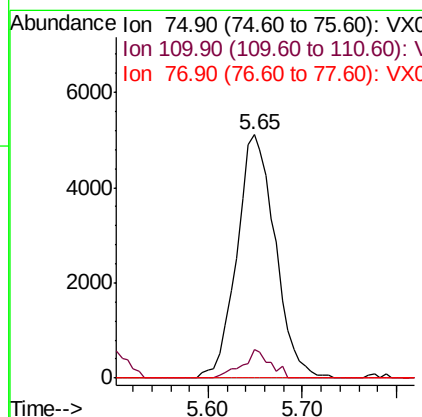
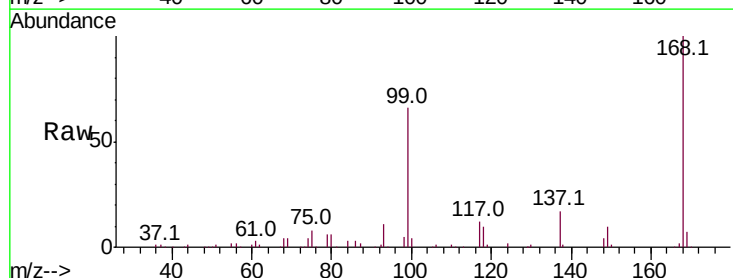
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

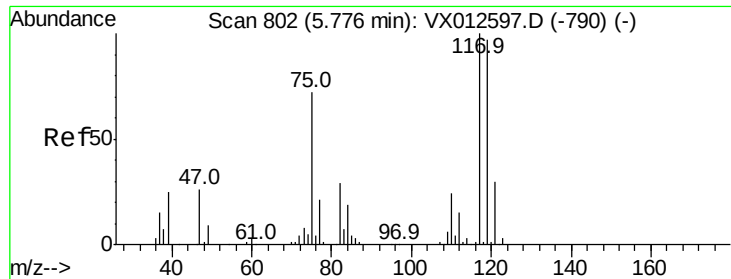
Tot Ion:113 Resp: 92525
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.2
 192 19.4 14.4 21.6



#36
 1,1-Dichloropropene
 Concen: 4.889 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Tgt Ion: 75 Resp: 14524
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.7 50.0#
 77 0.0 24.2 36.2#

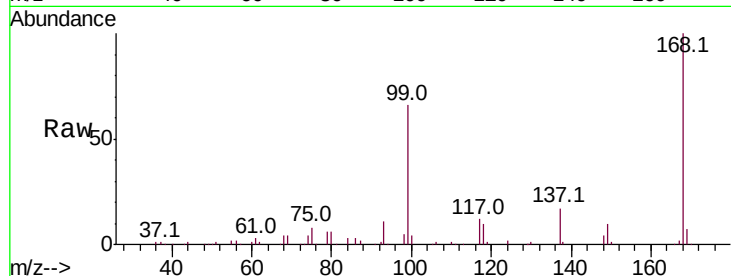




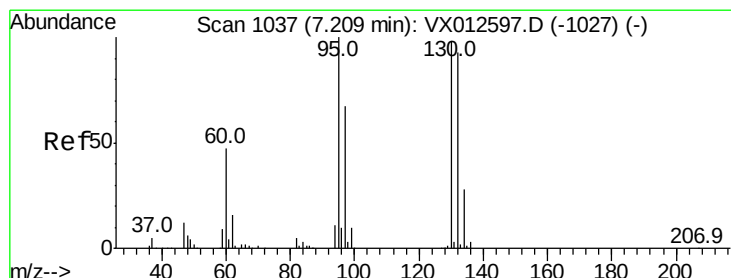
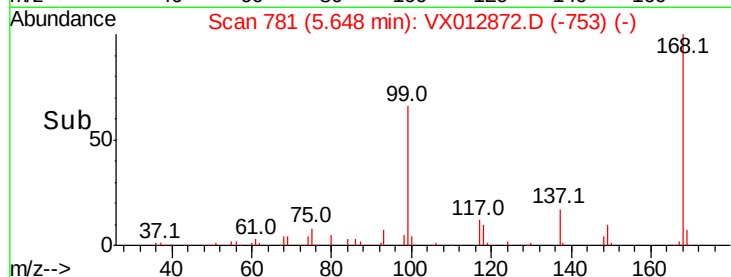
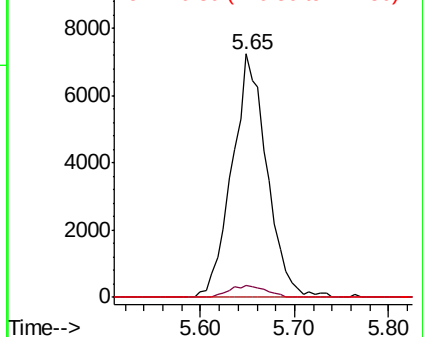
#38
Carbon Tetrachloride
Concen: 6.197 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.13 min
Lab File: VX012872.D
Acq: 08 Oct 2019 05:36

Instrument :
MSVOA_X
ClientSampleId :
FA19-CHY05

Tot Ion:117 Resp: 18698
Ion Ratio Lower Upper
117 100
119 4.8 75.7 113.5#
121 0.0 24.2 36.4#

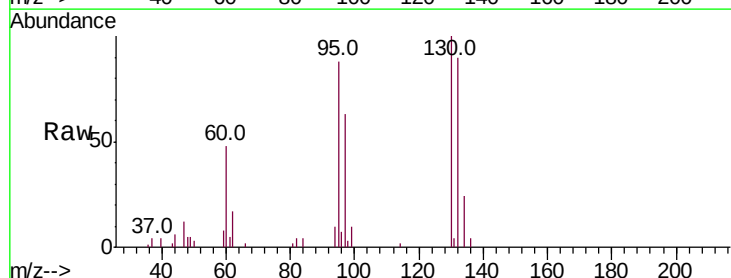


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

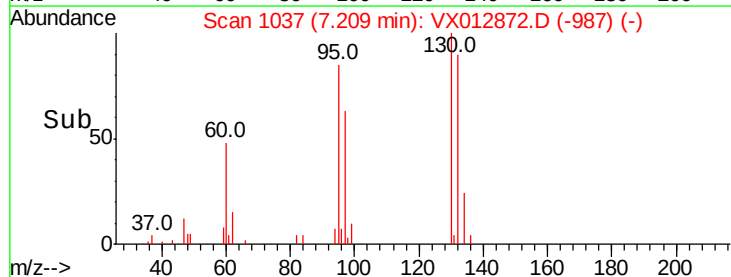
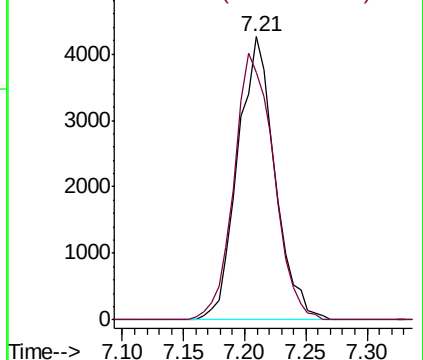


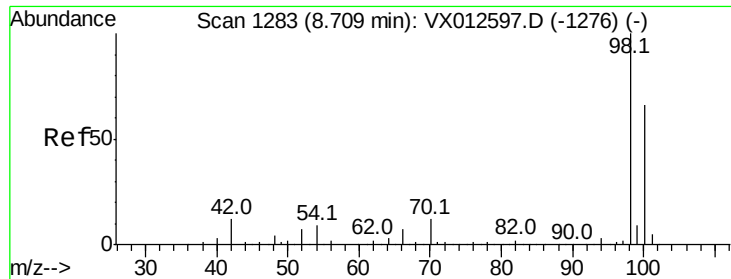
#44
Trichloroethene
Concen: 4.026 ug/l
RT: 7.21 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VX012872.D
Acq: 08 Oct 2019 05:36

Tgt Ion:130 Resp: 8996
Ion Ratio Lower Upper
130 100
95 87.5 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.911 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

Instrument :

MSVOA_X

ClientSampleId :

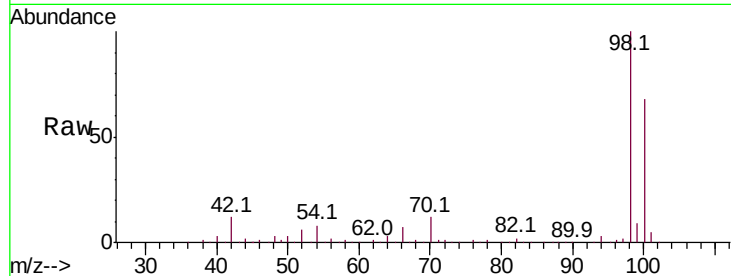
FA19-CHY05

Tot Ion: 98 Resp: 359834

Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

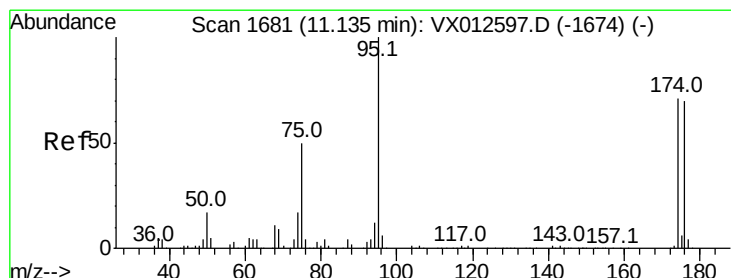
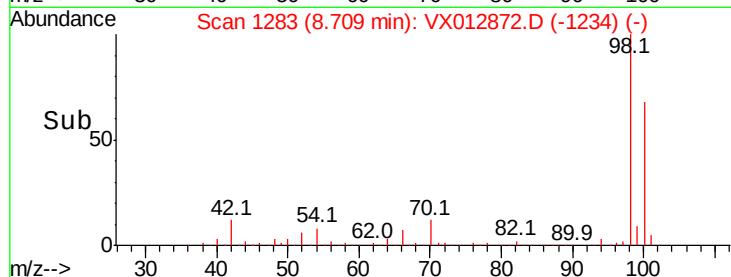
100000

50000

0

8.60 8.70 8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 44.936 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012872.D

Acq: 08 Oct 2019 05:36

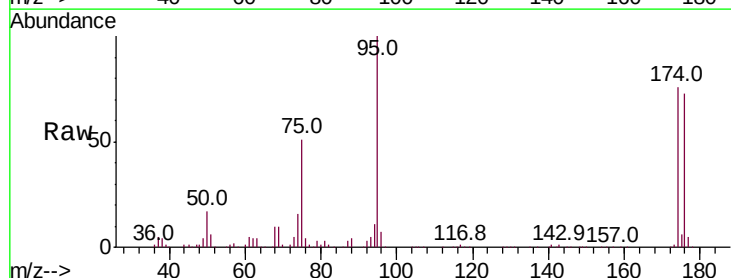
Tgt Ion: 95 Resp: 124882

Ion Ratio Lower Upper

95 100

174 71.7 0.0 140.0

176 68.7 0.0 135.4



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

120000

100000

80000

60000

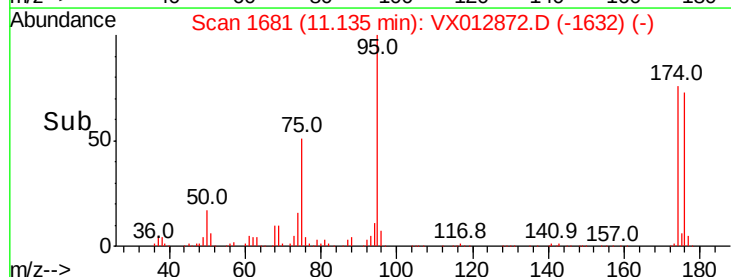
40000

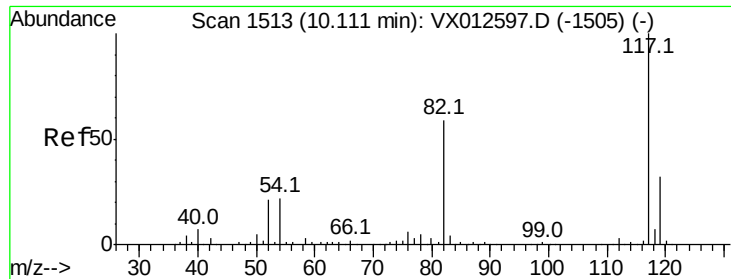
20000

0

11.10 11.20

Time-->

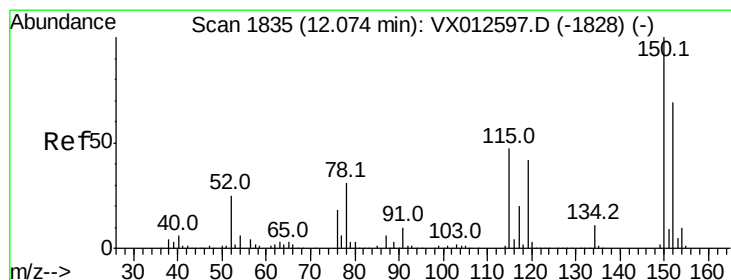
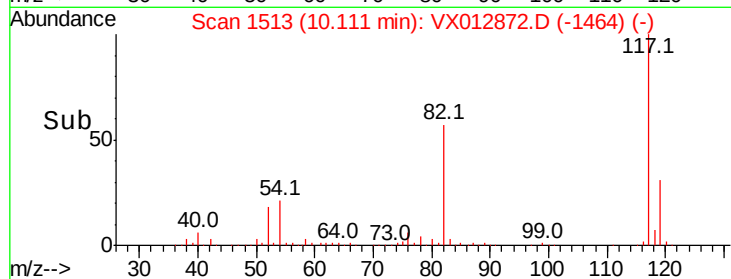
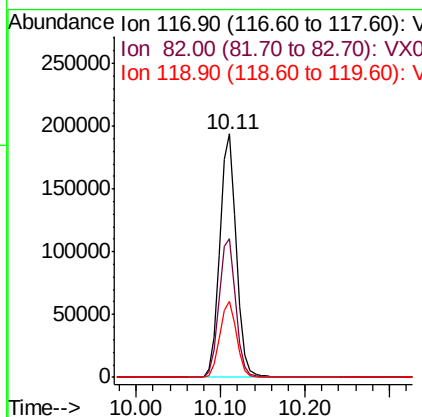
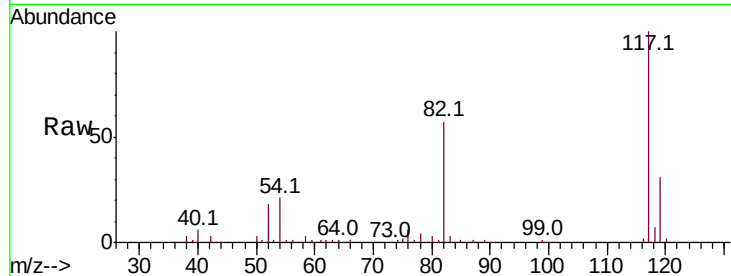




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.11 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

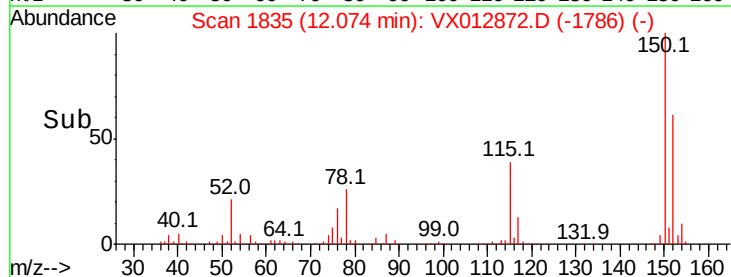
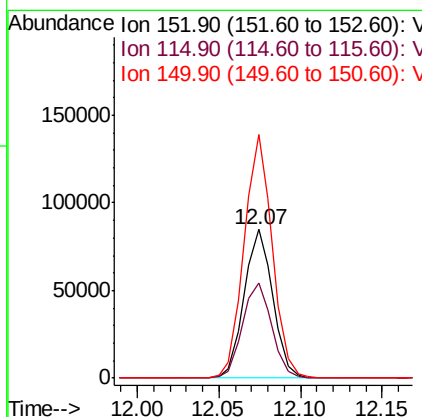
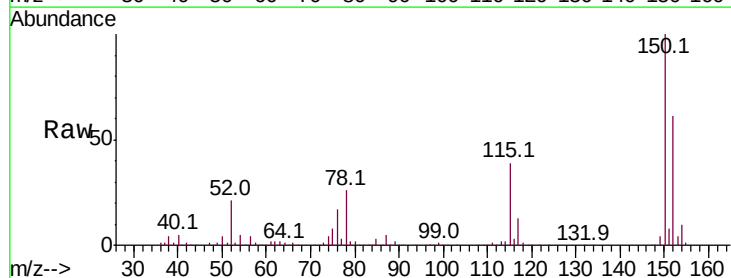
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-CHY05

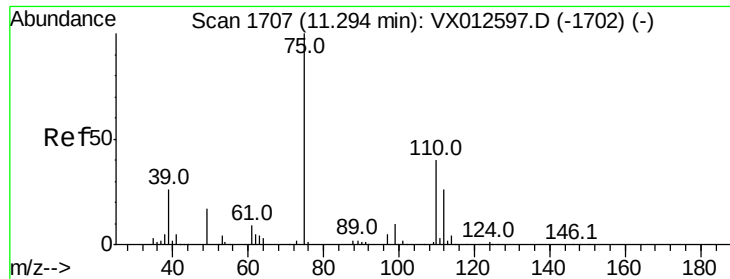
Tot	Ion:117	Resp:	263375
Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.9	68.9
119	31.4	25.3	37.9



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.07 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Tgt	Ion:152	Resp:	104231
Ion	Ratio	Lower	Upper
152	100		
115	64.6	44.1	132.3
150	160.7	0.0	343.8

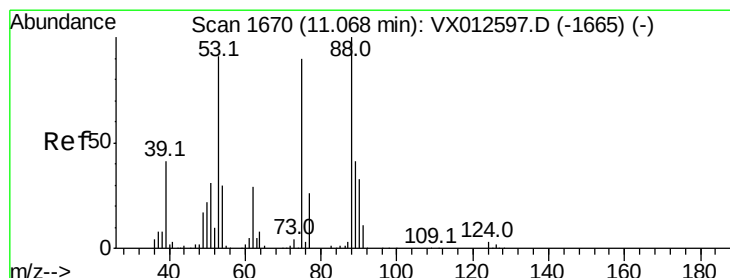
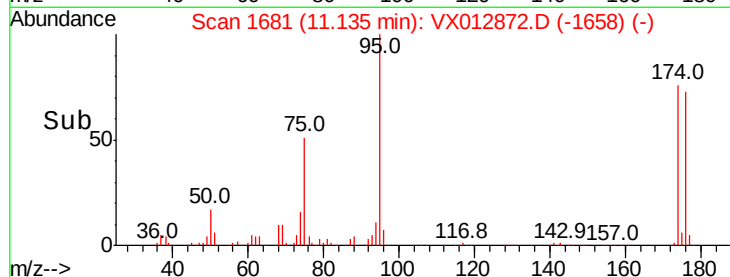
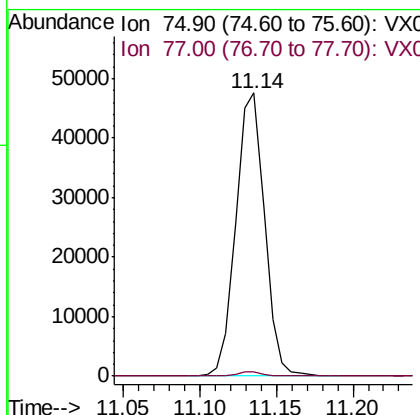
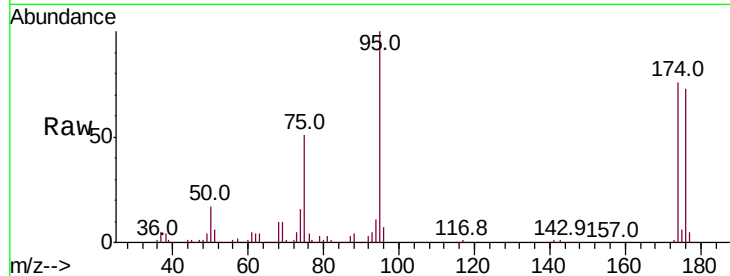




#76
 1,2,3-Trichloropropane
 Concen: 22.407 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Instrument :
 MSVOA_X
 ClientSampled :
 FA19-CHY05

Tot Ion: 75 Resp: 61780
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.7 59.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.214 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012872.D
 Acq: 08 Oct 2019 05:36

Tgt Ion: 75 Resp: 61780
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.6 125.4#
 89 0.1 36.3 54.5#

