

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012972.D
 Acq On : 10 Oct 2019 03:46
 Operator : JC/SP
 Sample : K5259-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:50:49 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	176924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	296645	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	98137	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	116384	52.63	ug/l	0.00
Spiked Amount	50.000			Recovery	=	105.26%	
35) Dibromofluoromethane		5.49	113	88695	52.09	ug/l	0.00
Spiked Amount	50.000			Recovery	=	104.18%	
50) Toluene-d8		8.71	98	347807	52.38	ug/l	0.00
Spiked Amount	50.000			Recovery	=	104.76%	
62) 4-Bromofluorobenzene		11.14	95	117023	45.35	ug/l	0.00
Spiked Amount	50.000			Recovery	=	90.70%	

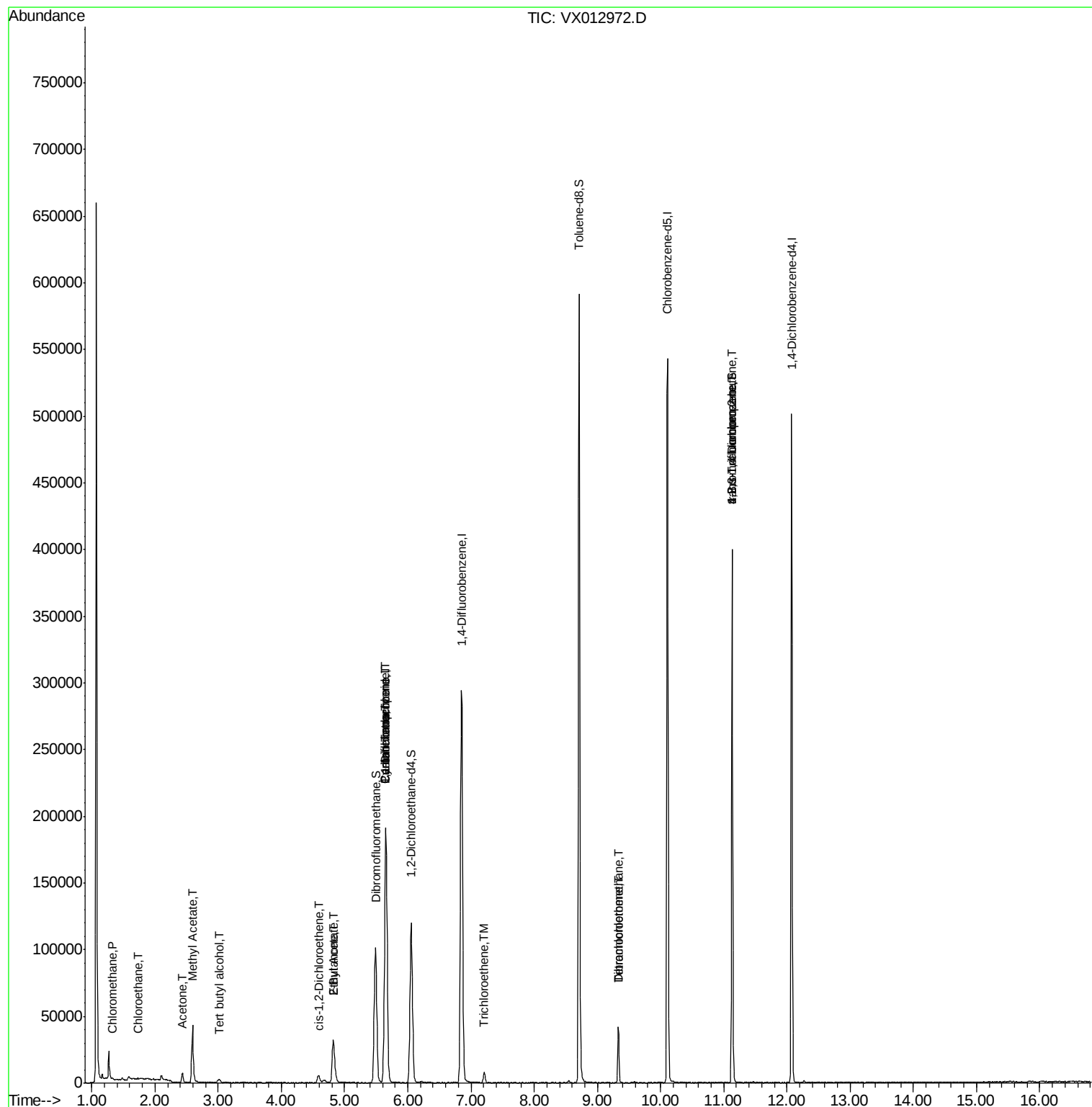
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	748	0.381	ug/l #	79
6) Chloroethane	1.73	64	365	0.660	ug/l #	88
11) Tert butyl alcohol	3.02	59	2661	4.539	ug/l #	82
16) Acetone	2.44	43	7336	6.294	ug/l	94
18) Methyl Acetate	2.59	43	12178	4.408	ug/l #	51
25) 2-Butanone	4.82	43	57667	35.661	ug/l #	49
27) cis-1,2-Dichloroethene	4.59	96	3584	1.623	ug/l	90
31) Cyclohexane	5.65	56	3782	1.178	ug/l #	19
36) 1,1-Dichloropropene	5.65	75	14439	5.536	ug/l #	51
37) Ethyl Acetate	4.82	43	57667	19.774	ug/l	99
38) Carbon Tetrachloride	5.65	117	18943	7.462	ug/l #	17
44) Trichloroethene	7.22	130	3229	1.512	ug/l	86
60) Dibromochloromethane	9.33	129	7795	5.315	ug/l #	10
64) Tetrachloroethene	9.33	164	7951	4.535	ug/l	98
76) 1,2,3-Trichloropropane	11.14	75	58507	26.879	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	58507	67.557	ug/l #	10

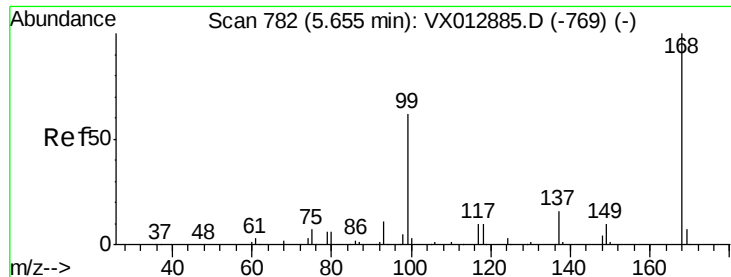
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

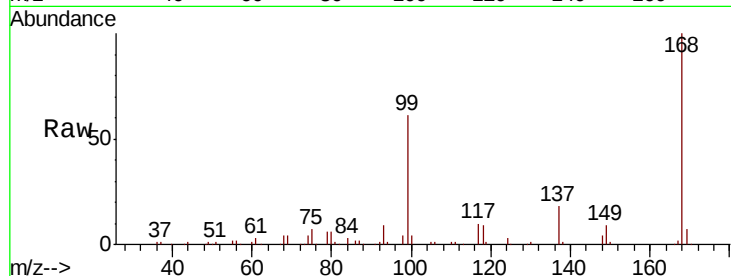
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 176924

Ion Ratio Lower Upper

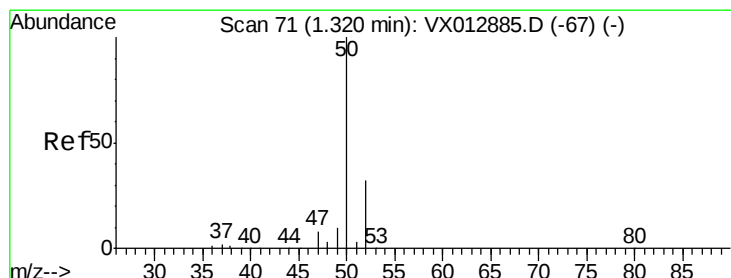
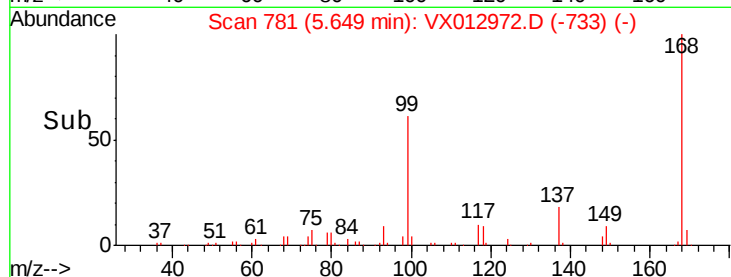
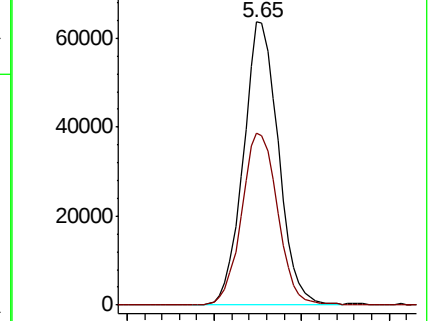
168 100

99 60.8 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: 0.381 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VX012972.D

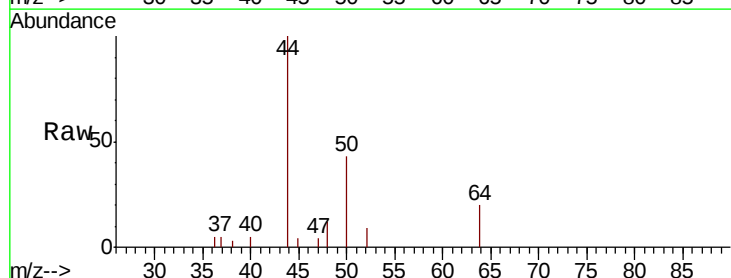
Acq: 10 Oct 2019 03:46

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

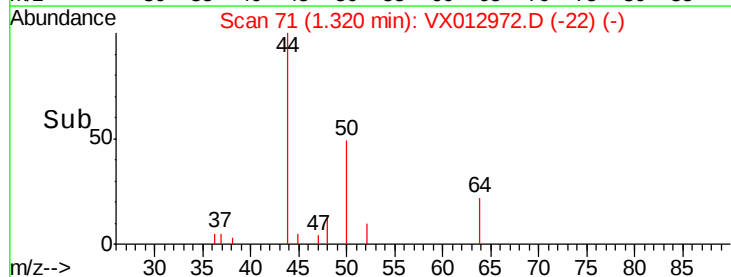
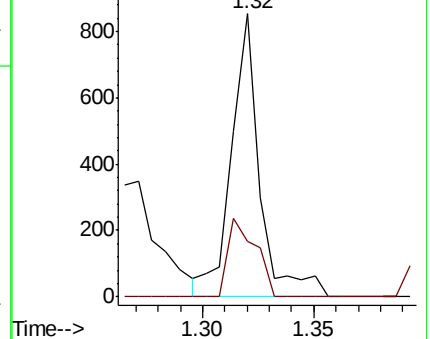
50 100

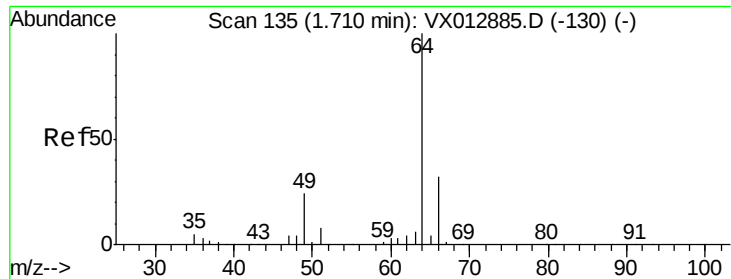
52 19.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#6

Chloroethane

Concen: 0.660 ug/l

RT: 1.73 min Scan# 138

Delta R.T. 0.02 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Instrument :

MSVOA_X

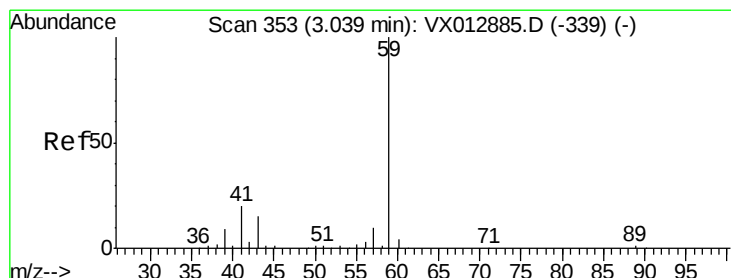
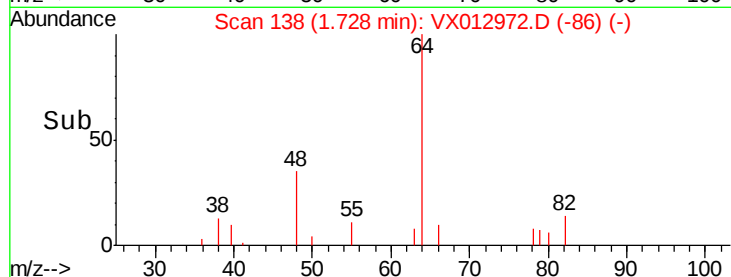
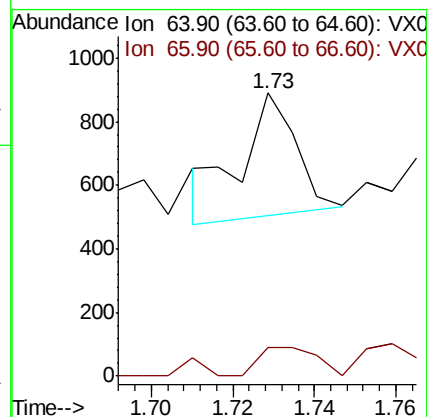
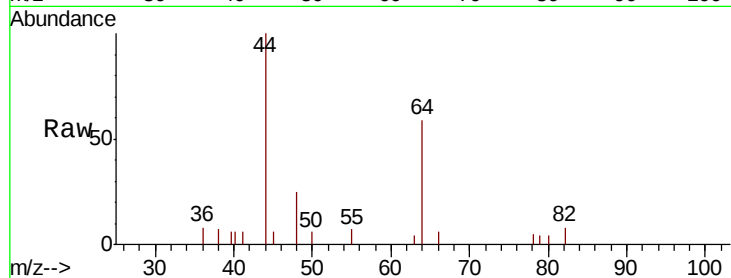
ClientSampleId :

Tot Ion: 64 Resp: 365

Ion Ratio Lower Upper

64 100

66 25.4 25.6 38.4#



#11

Tert butyl alcohol

Concen: 4.539 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX012972.D

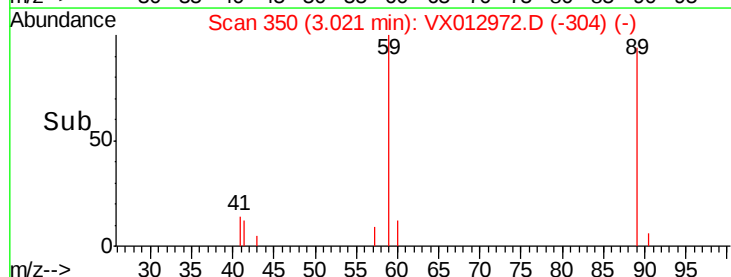
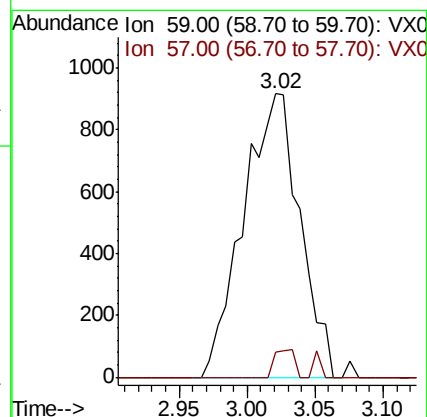
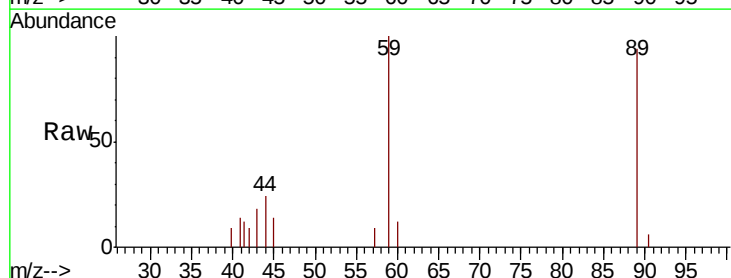
Acq: 10 Oct 2019 03:46

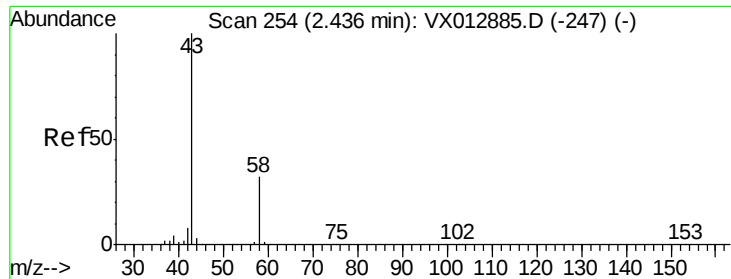
Tgt Ion: 59 Resp: 2661

Ion Ratio Lower Upper

59 100

57 3.5 8.3 12.5#





#16

Acetone

Concen: 6.294 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Instrument :

MSVOA_X

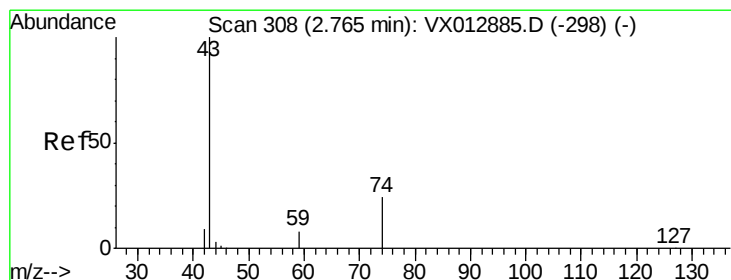
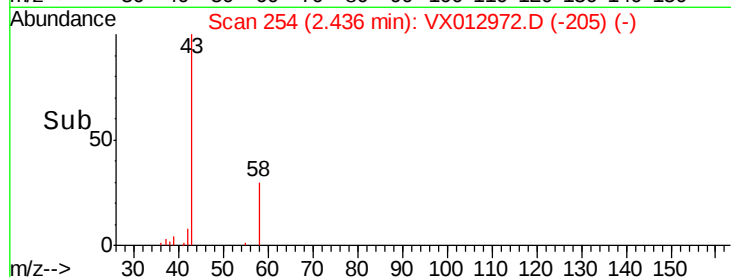
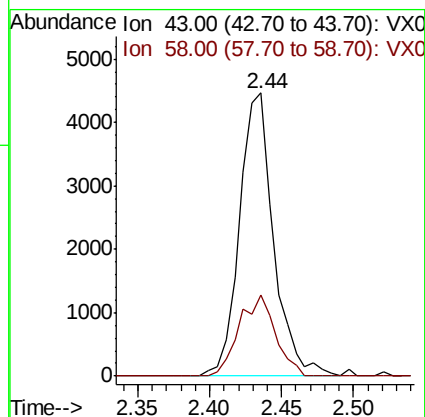
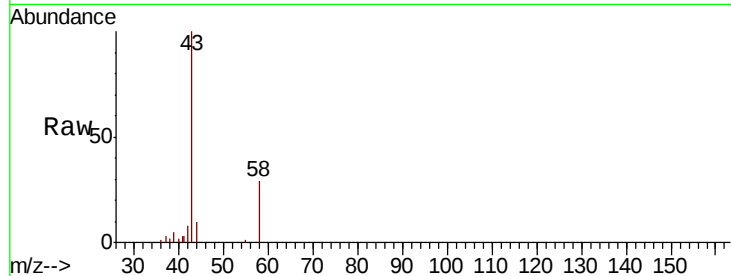
ClientSampleId :

Tot Ion: 43 Resp: 7336

Ion Ratio Lower Upper

43 100

58 28.7 25.4 38.2



#18

Methyl Acetate

Concen: 4.408 ug/l

RT: 2.59 min Scan# 280

Delta R.T. -0.17 min

Lab File: VX012972.D

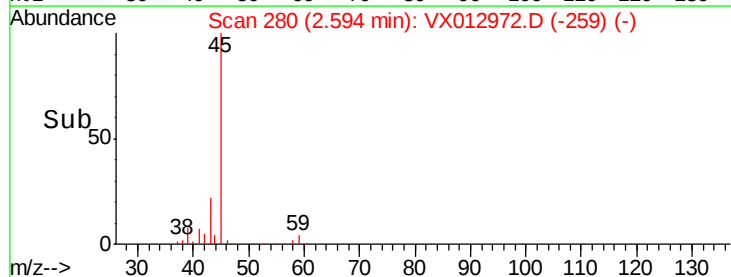
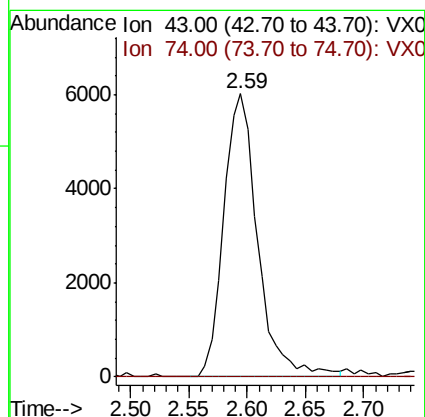
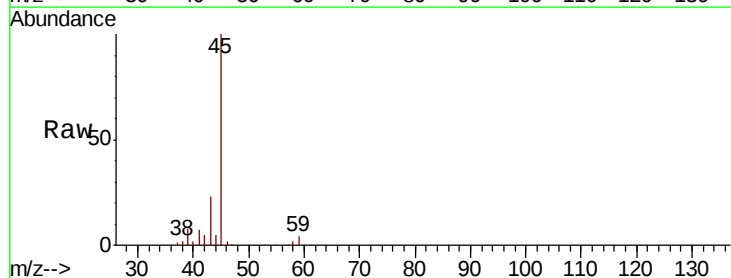
Acq: 10 Oct 2019 03:46

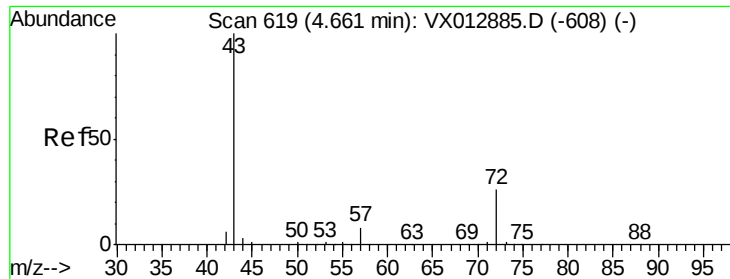
Tgt Ion: 43 Resp: 12178

Ion Ratio Lower Upper

43 100

74 0.0 19.2 28.8#





#25

2-Butanone

Concen: 35.661 ug/l

RT: 4.82 min Scan# 645

Delta R.T. 0.16 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Instrument :

MSVOA_X

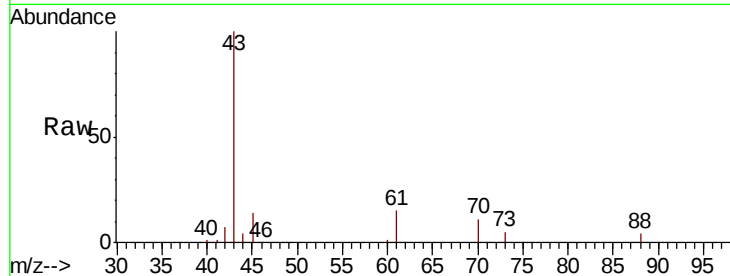
ClientSampled :

Tot Ion: 43 Resp: 57667

Ion Ratio Lower Upper

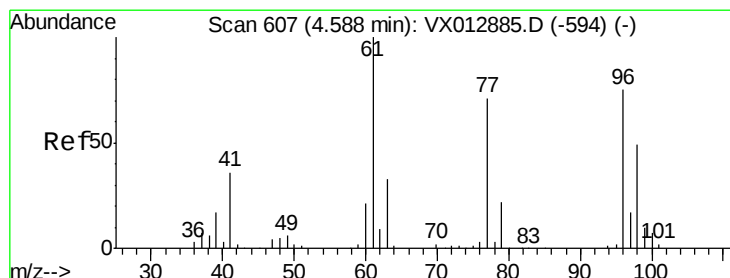
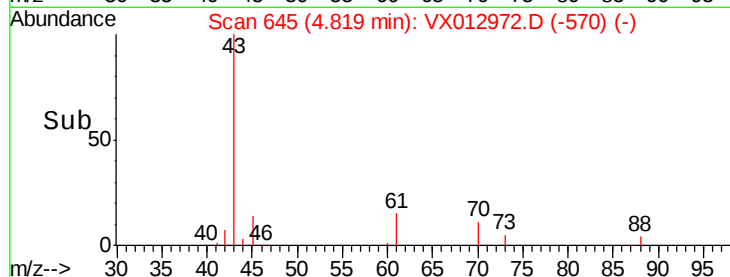
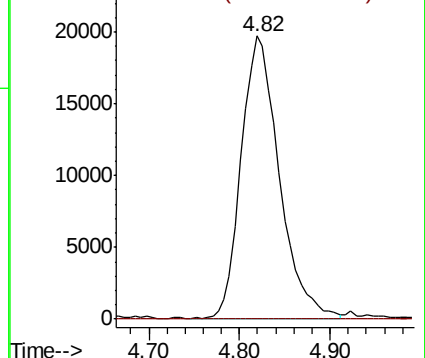
43 100

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: 1.623 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

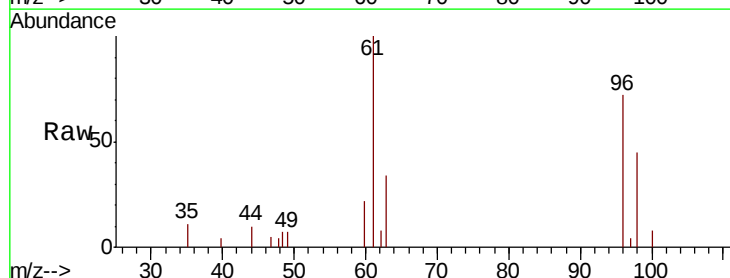
Tgt Ion: 96 Resp: 3584

Ion Ratio Lower Upper

96 100

61 128.3 0.0 290.6

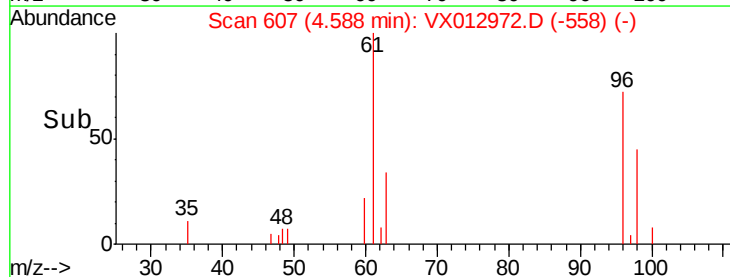
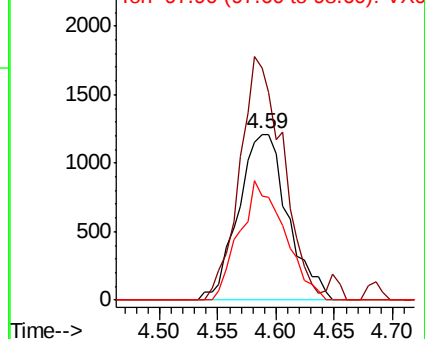
98 65.3 0.0 128.8

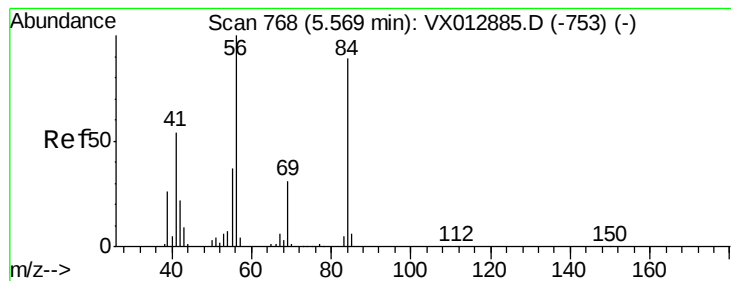


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.178 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

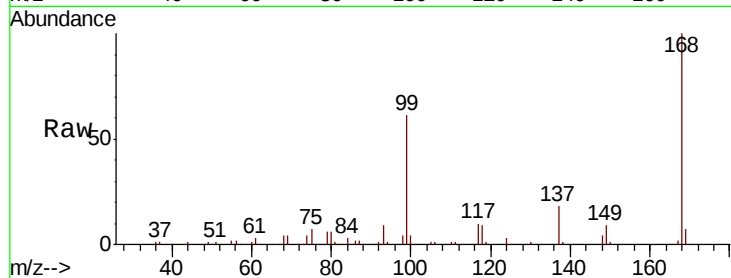
Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

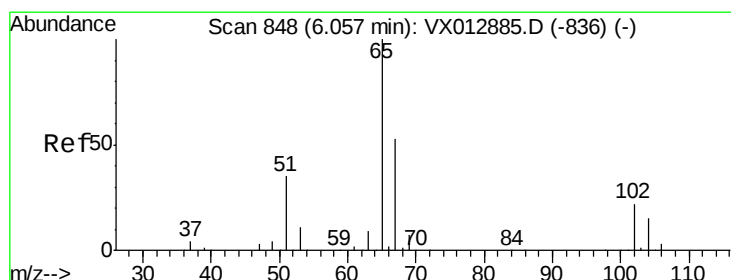
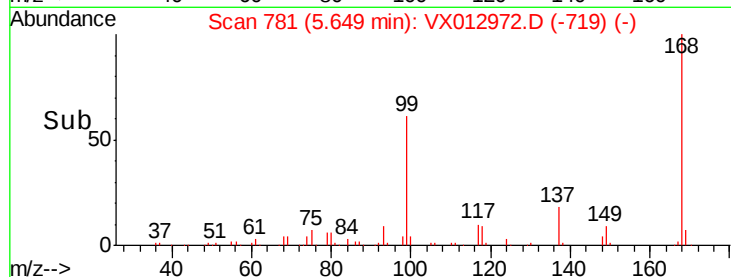
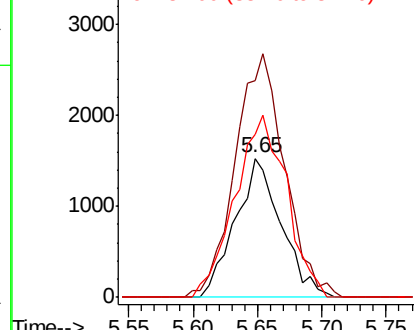
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 3782

Ion	Ratio	Lower	Upper
56	100		
69	156.2	25.2	37.8#
84	117.6	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: 52.631 ug/l

RT: 6.05 min Scan# 847

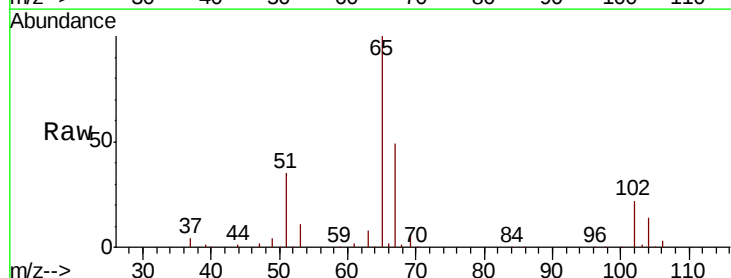
Delta R.T. -0.01 min

Lab File: VX012972.D

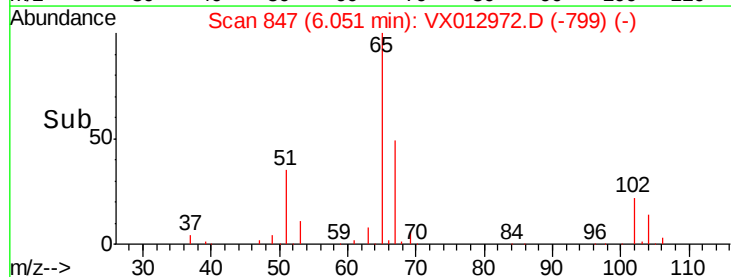
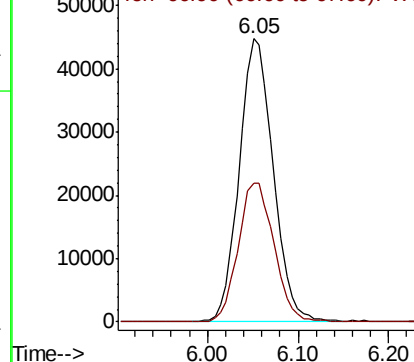
Acq: 10 Oct 2019 03:46

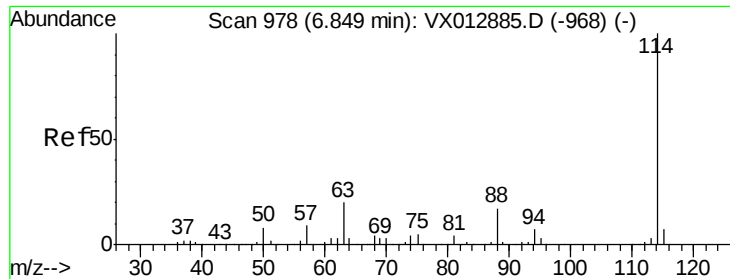
Tgt Ion: 65 Resp: 116384

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.4



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

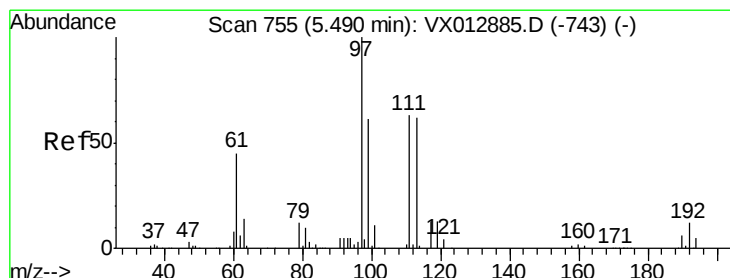
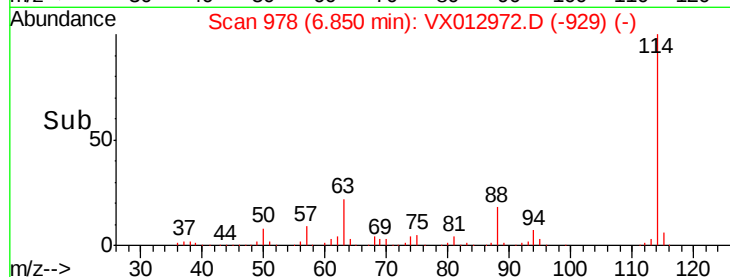
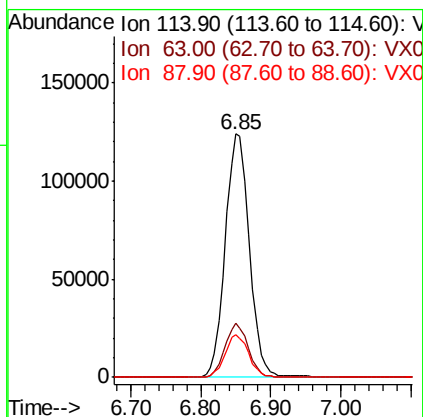
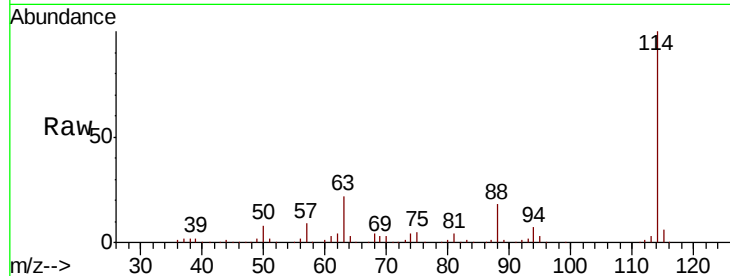




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

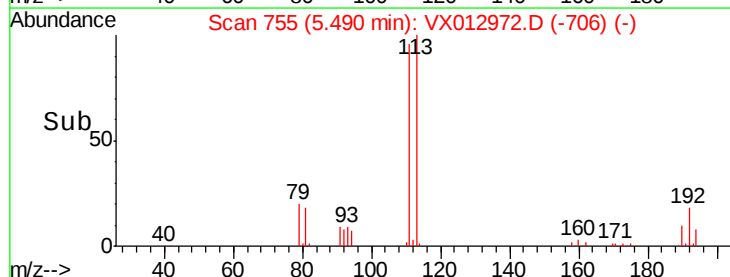
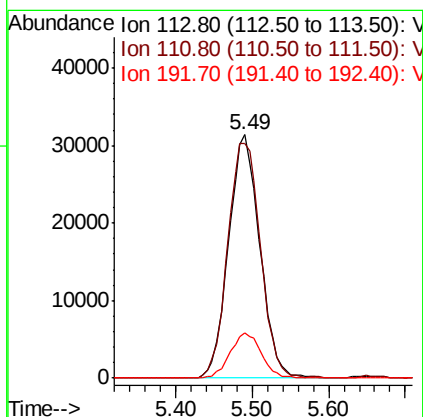
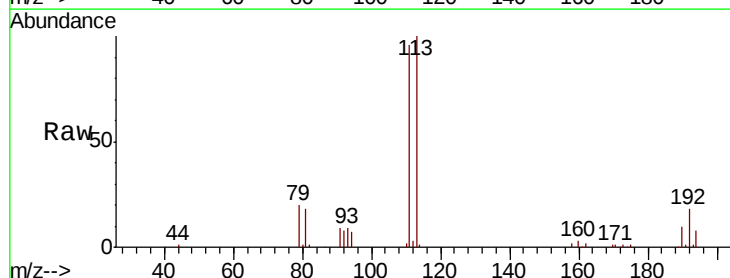
Instrument :
MSVOA_X
ClientSampleId :

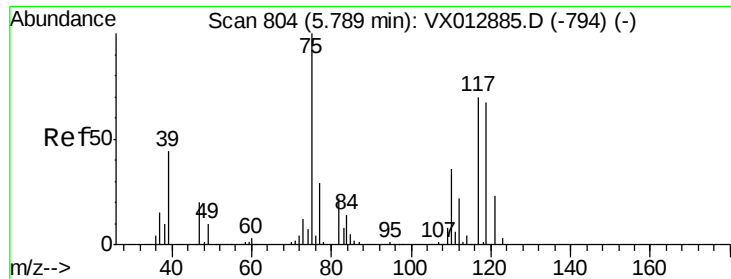
Tot Ion:114 Resp: 296645
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 17.6 0.0 33.8



#35
Dibromofluoromethane
Concen: 52.094 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Tgt Ion:113 Resp: 88695
Ion Ratio Lower Upper
113 100
111 101.2 83.2 124.8
192 18.4 15.4 23.2

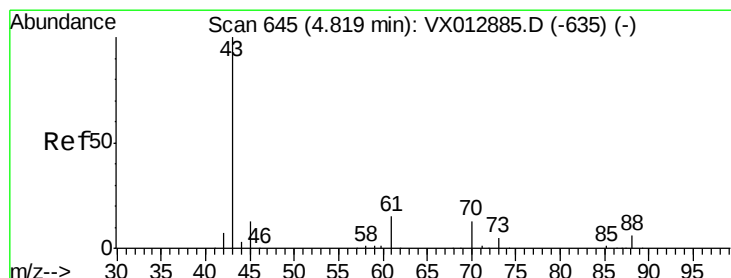
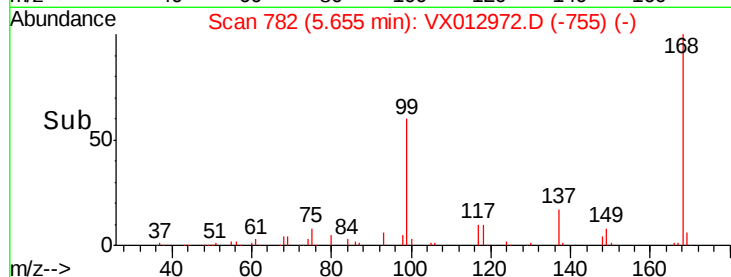
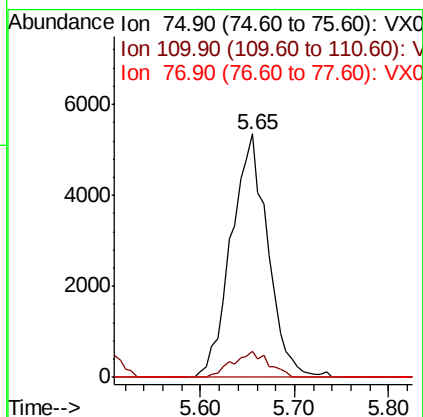
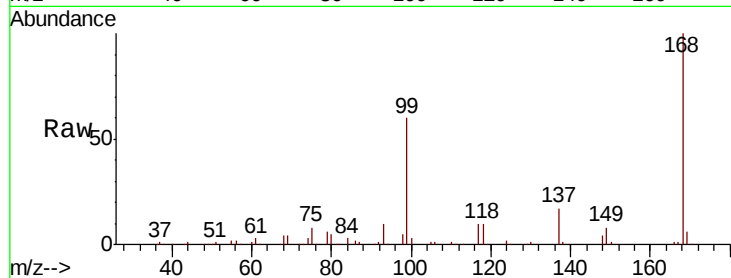




#36
 1,1-Dichloropropene
 Concen: 5.536 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX012972.D
 Acq: 10 Oct 2019 03:46

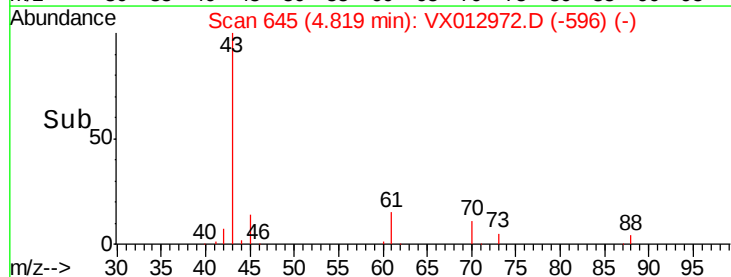
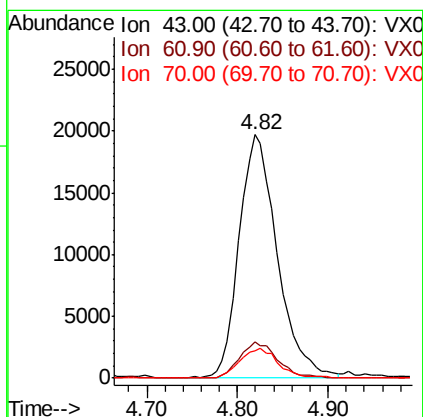
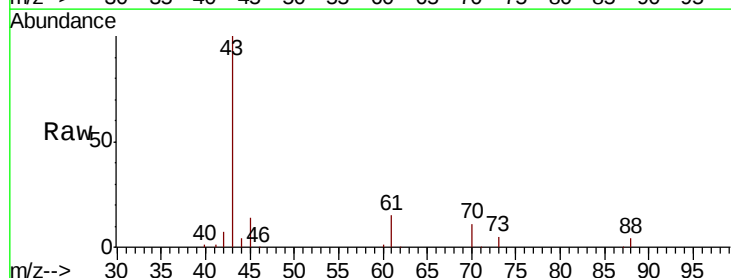
Instrument :
 MSVOA_X
 ClientSampleId :

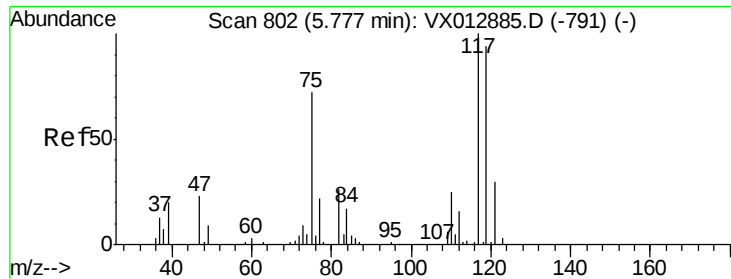
Tot Ion: 75 Resp: 14439
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.6 52.9#
 77 0.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 19.774 ug/l
 RT: 4.82 min Scan# 645
 Delta R.T. 0.00 min
 Lab File: VX012972.D
 Acq: 10 Oct 2019 03:46

Tgt Ion: 43 Resp: 57667
 Ion Ratio Lower Upper
 43 100
 61 14.8 11.4 17.0
 70 12.5 9.8 14.6

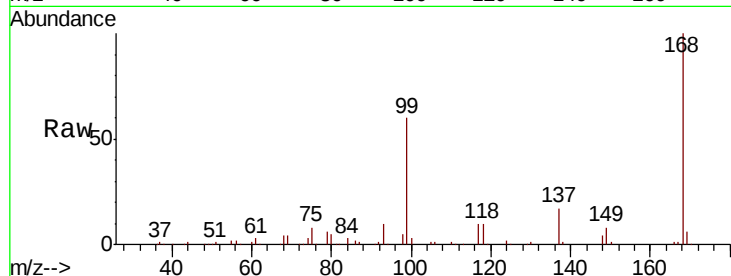




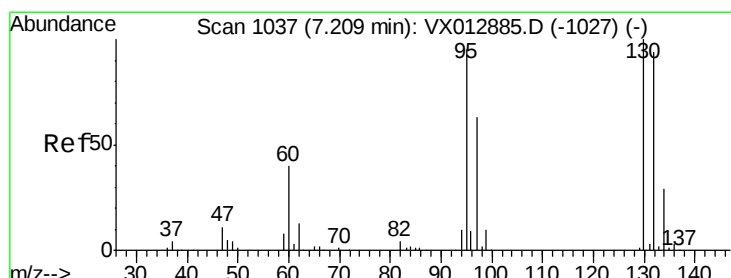
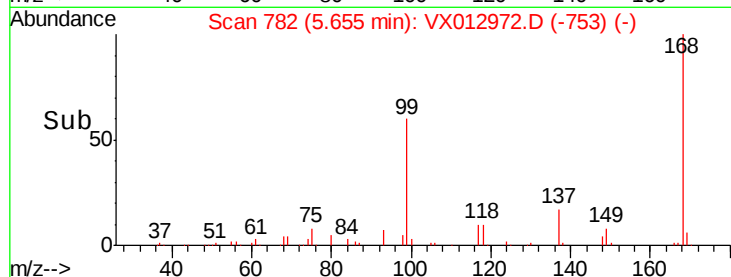
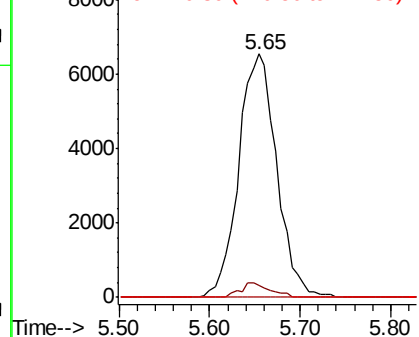
#38
Carbon Tetrachloride
Concen: 7.462 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18943
Ion Ratio Lower Upper
117 100
119 4.8 74.5 111.7#
121 0.0 24.2 36.4#

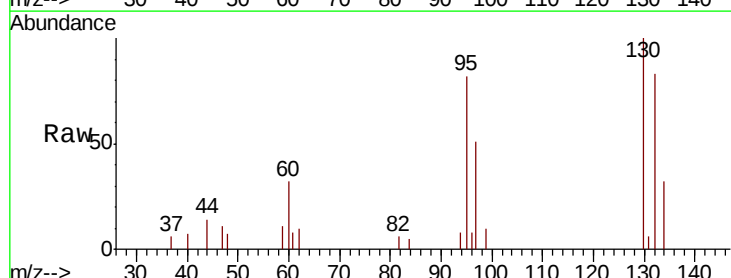


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

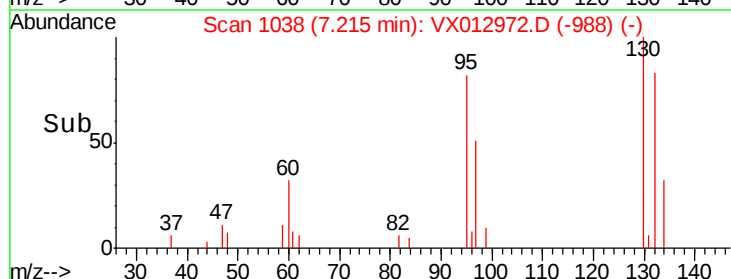
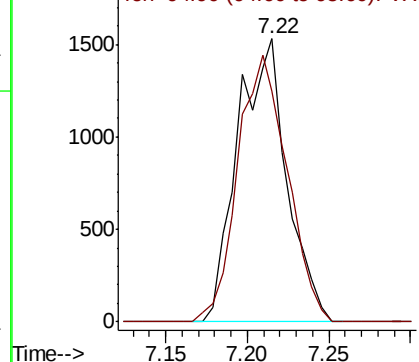


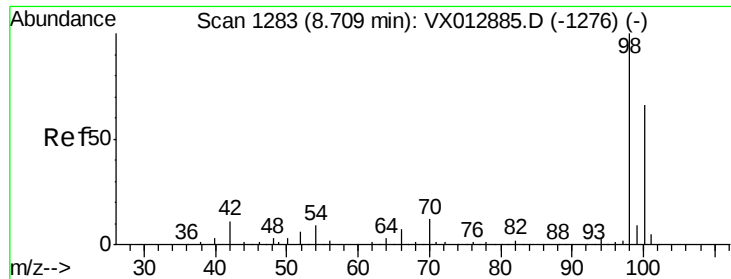
#44
Trichloroethene
Concen: 1.512 ug/l
RT: 7.22 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Tgt Ion:130 Resp: 3229
Ion Ratio Lower Upper
130 100
95 81.5 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: 52.377 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Instrument :

MSVOA_X

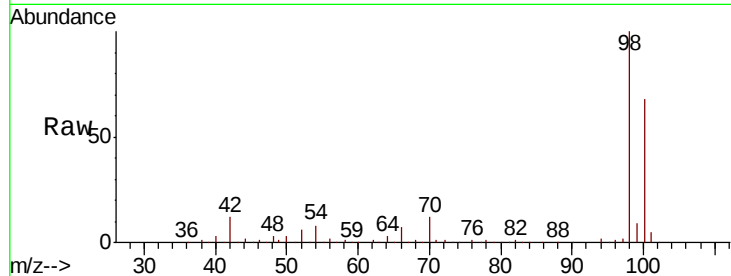
ClientSampleId :

Tot Ion: 98 Resp: 347807

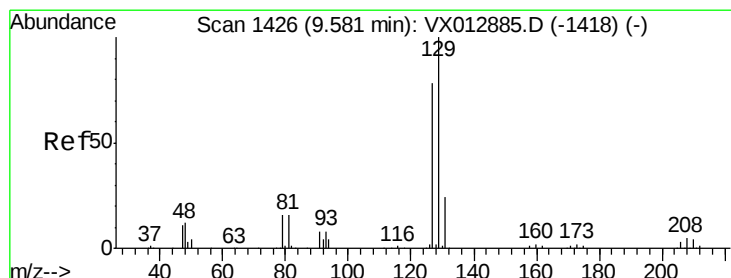
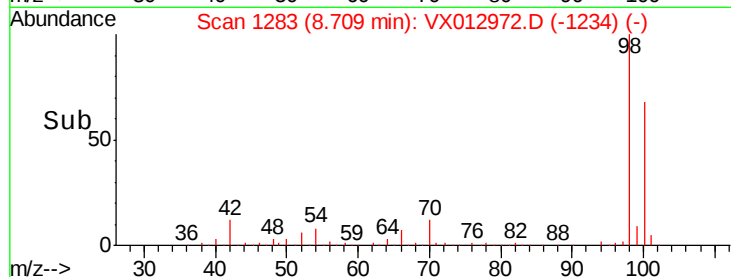
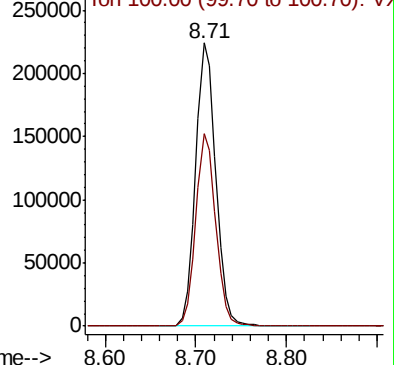
Ion Ratio Lower Upper

98 100

100 67.2 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)



#60

Dibromochloromethane

Concen: 5.315 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012972.D

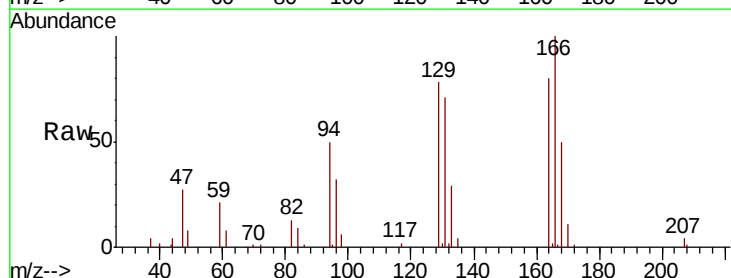
Acq: 10 Oct 2019 03:46

Tgt Ion: 129 Resp: 7795

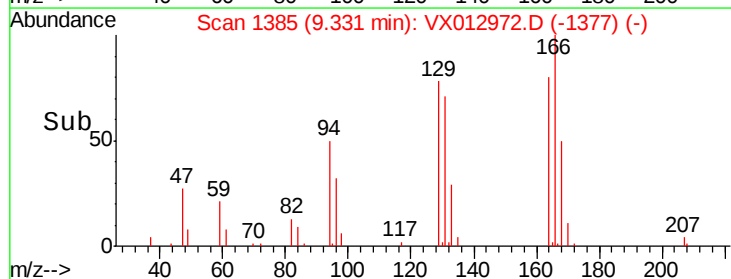
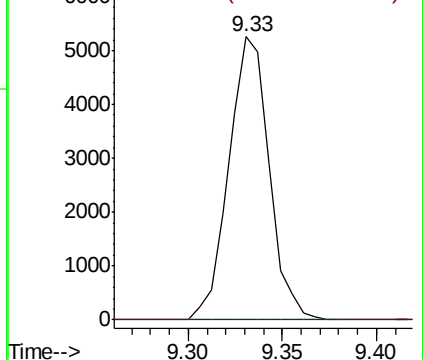
Ion Ratio Lower Upper

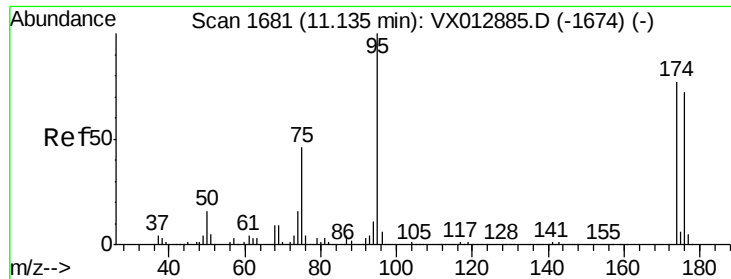
129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

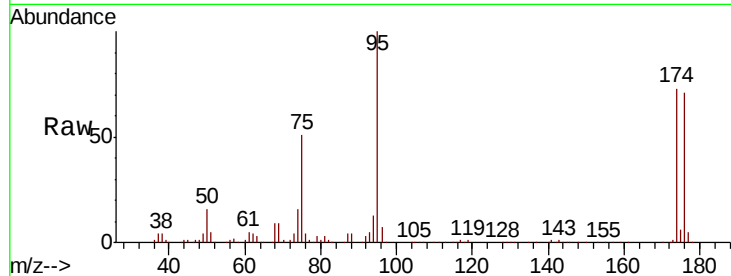




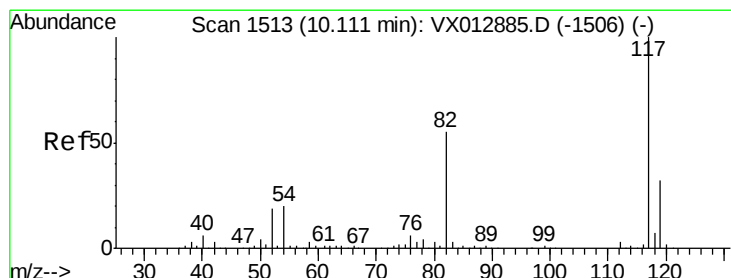
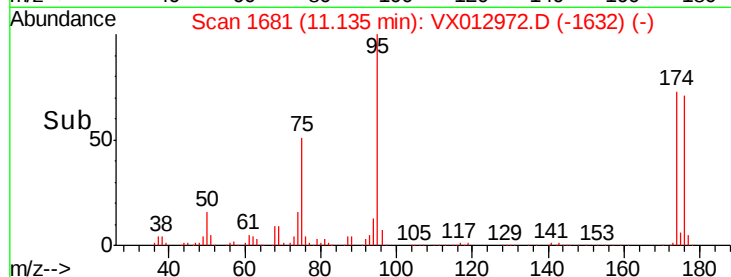
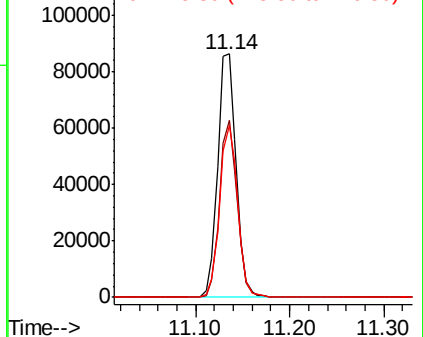
#62
4-Bromofluorobenzene
Concen: 45.354 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 95 Resp: 117023
Ion Ratio Lower Upper
95 100
174 69.7 0.0 143.4
176 68.8 0.0 136.0

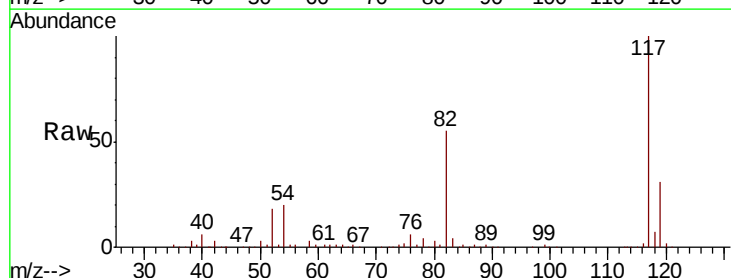


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

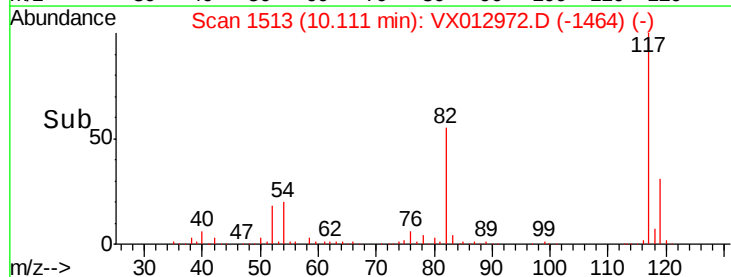
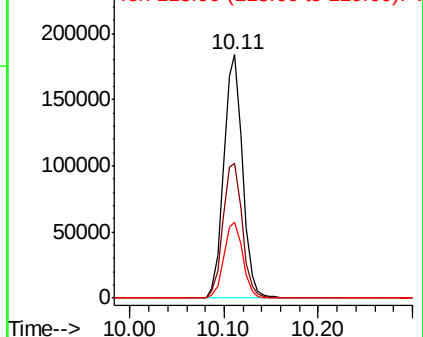


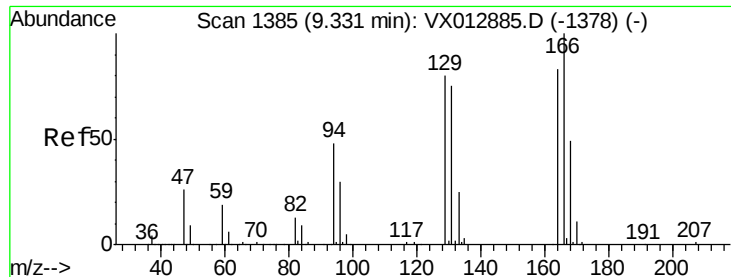
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Tgt Ion: 117 Resp: 252795
Ion Ratio Lower Upper
117 100
82 55.2 44.1 66.1
119 31.3 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

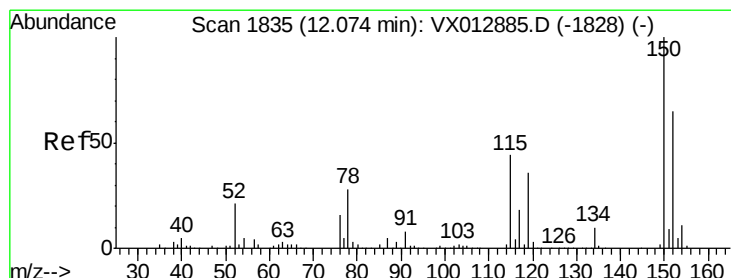
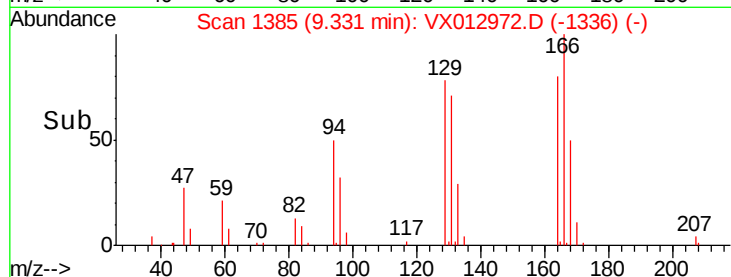
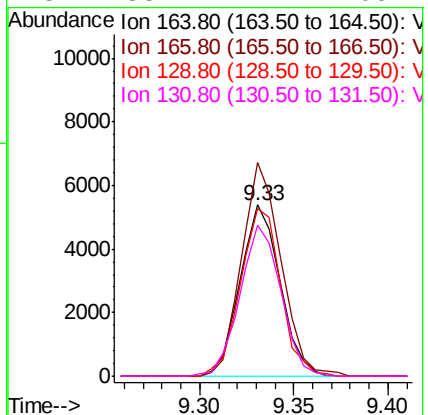
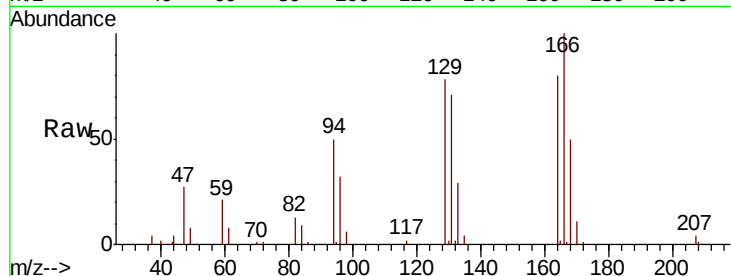




#64
Tetrachloroethene
Concen: 4.535 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

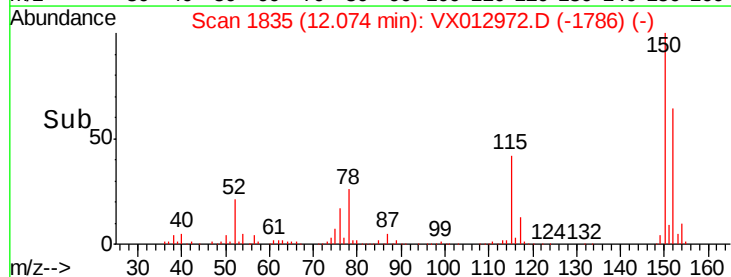
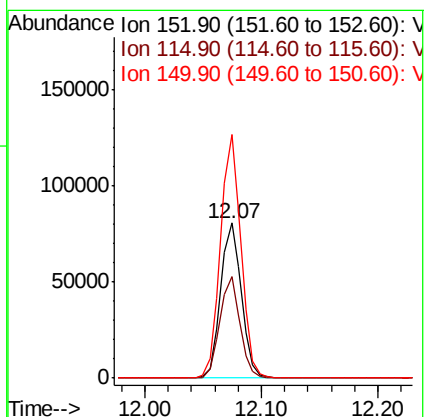
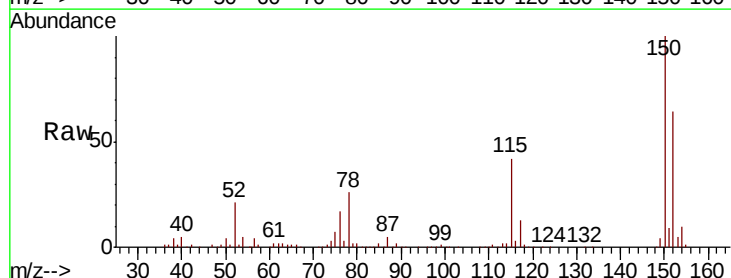
Instrument :
MSVOA_X
ClientSampleId :

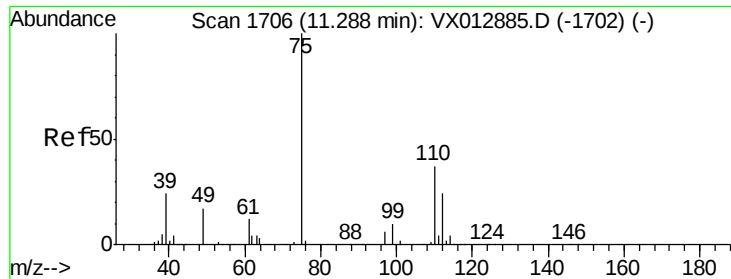
Tot Ion	Ratio	Lower	Upper
164	100		
166	124.9	96.9	145.3
129	97.7	77.9	116.9
131	88.4	72.7	109.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012972.D
Acq: 10 Oct 2019 03:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.5	133.5
150	155.5	0.0	353.4





#76

1,2,3-Trichloropropane

Concen: 26.879 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Instrument :

MSVOA_X

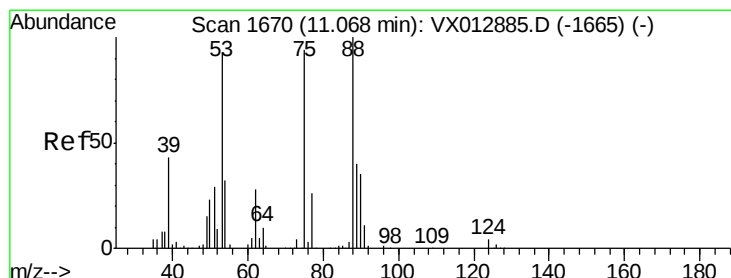
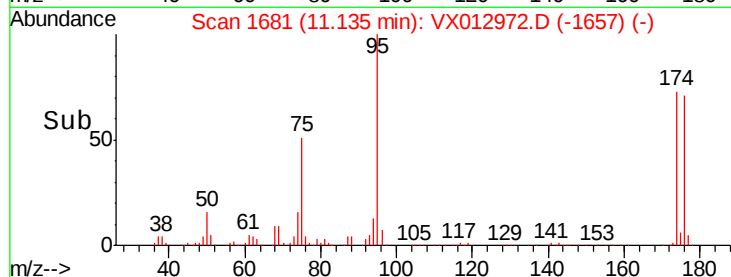
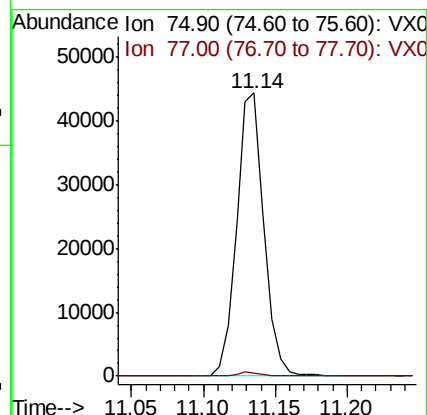
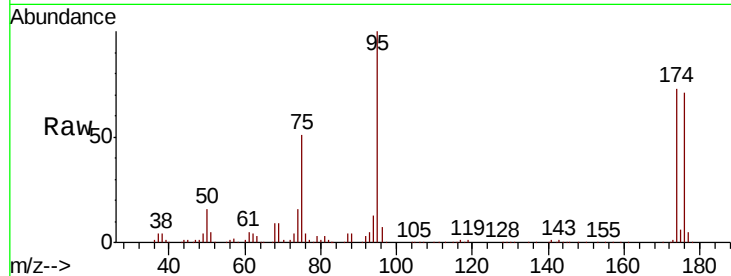
ClientSampleId :

Tot Ion: 75 Resp: 58507

Ion Ratio Lower Upper

75 100

77 1.2 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 67.557 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012972.D

Acq: 10 Oct 2019 03:46

Tgt Ion: 75 Resp: 58507

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 37.4 56.2#

