

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008915.D
 Acq On : 13 Apr 2019 03:12
 Operator : JC/SP
 Sample : K2381-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

Quant Time: Apr 13 05:06:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	325984	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	279047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114958	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	134281	45.30	ug/l	0.00
Spiked Amount			Recovery	=	90.60%	
35) Dibromofluoromethane	5.50	113	95650	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
50) Toluene-d8	8.71	98	406218	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
62) 4-Bromofluorobenzene	11.13	95	133994	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	472	Below Cal		99
5) Bromomethane	1.63	94	390	2.126	ug/l #	70
6) Chloroethane	1.51	64	10753	3.404	ug/l #	43
10) Methyl Iodide	2.51	142	26	4.015	ug/l #	42
11) Tert butyl alcohol	3.06	59	4981	7.177	ug/l	95
13) Acrolein	2.30	56	9283	26.976	ug/l	89
14) Allyl chloride	2.71	41	2158	0.401	ug/l #	29
16) Acetone	2.45	43	1569416	919.171	ug/l	99
17) Carbon Disulfide	2.57	76	42288	5.575	ug/l	96
18) Methyl Acetate	2.77	43	532119	128.500	ug/l	99
20) Methylene Chloride	2.85	84	1413	0.494	ug/l #	86
22) Diisopropyl ether	3.97	45	29554	2.851	ug/l #	1
23) Vinyl Acetate	3.97	43	69596	7.717	ug/l #	76
25) 2-Butanone	4.67	43	210550	78.021	ug/l	98
28) Bromochloromethane	5.01	49	48	Below Cal	#	22
29) Tetrahydrofuran	5.15	42	1479	0.826	ug/l #	68
30) Chloroform	5.21	83	2453	0.535	ug/l	88
31) Cyclohexane	5.66	56	5386	1.052	ug/l #	1
36) 1,1-Dichloropropene	5.93	75	2122	0.596	ug/l #	43
37) Ethyl Acetate	4.83	43	1119608	235.395	ug/l	99
38) Carbon Tetrachloride	5.66	117	19379	6.571	ug/l #	17
39) Methylcyclohexane	7.46	83	882	0.200	ug/l #	31
41) Methacrylonitrile	4.98	41	9509	3.478	ug/l #	27
43) Isopropyl Acetate	6.46	43	6366	0.854	ug/l #	76
44) Trichloroethene	7.21	130	513	0.207	ug/l	98
48) Methyl methacrylate	7.76	41	962	0.255	ug/l #	42
49) 1,4-Dioxane	7.75	88	2489	35.253	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	576541	120.205	ug/l #	38
52) Toluene	8.78	92	12786	2.043	ug/l	100
55) 1,1,2-Trichloroethane	9.16	97	898	0.357	ug/l #	26
59) 2-Hexanone	9.44	43	283337	76.014	ug/l #	26
60) Dibromochloromethane	9.34	129	38107	16.097	ug/l #	11
64) Tetrachloroethene	9.34	164	40640	19.657	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.37	131	905	0.417	ug/l #	8

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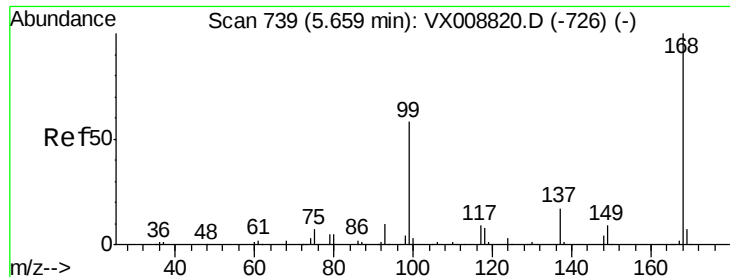
Instrument :
 MSVOA_X
 ClientSampleId :
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

67) Ethyl Benzene	10.25	91	4657	0.404	ug/l	96
68) m/p-Xylenes	10.35	106	7733	1.865	ug/l	98
69) o-Xylene	10.70	106	4731	1.177	ug/l	96
73) Isopropylbenzene	11.02	105	3671	0.385	ug/l	98
74) N-amyl acetate	10.91	43	19997	3.568	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	11736	3.239	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	68408	21.662	ug/l #	34
78) n-propylbenzene	11.36	91	20456	1.844	ug/l	100
79) 2-Chlorotoluene	11.43	91	10809	1.610	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.51	105	46004	5.753	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	2611	2.279	ug/l #	43
82) 4-Chlorotoluene	11.51	91	6130	0.789	ug/l #	56
83) tert-Butylbenzene	11.80	119	22124	2.876	ug/l #	59
84) 1,2,4-Trimethylbenzene	11.80	105	180475	22.288	ug/l	100
85) sec-Butylbenzene	11.94	105	15782	1.727	ug/l #	75
86) p-Isopropyltoluene	12.02	119	23601	2.877	ug/l	93
89) n-Butylbenzene	12.38	91	46006	5.981	ug/l #	45
90) Hexachloroethane	12.58	117	12096	8.891	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.98	75	1083	1.359	ug/l #	17
95) Naphthalene	13.83	128	260361	27.522	ug/l	98
96) 1,2,3-Trichlorobenzene	14.03	180	1391	0.492	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

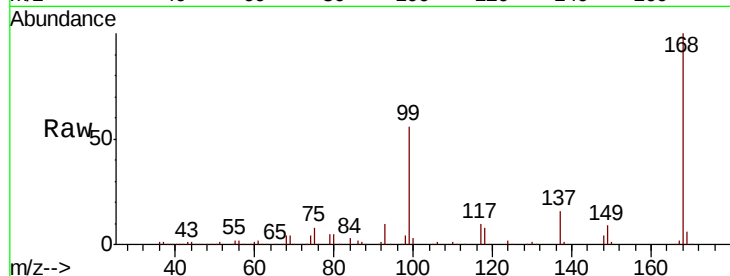
CL-COMP-2

Tot Ion:168 Resp: 203244

Ion Ratio Lower Upper

168 100

99 56.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

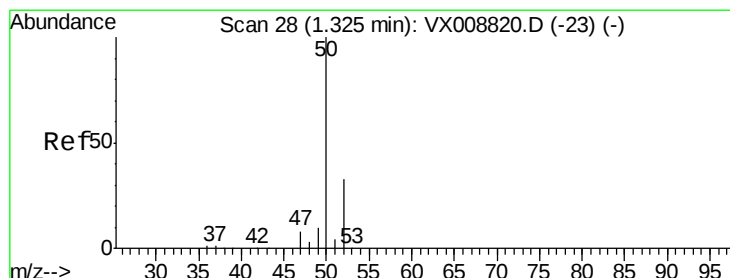
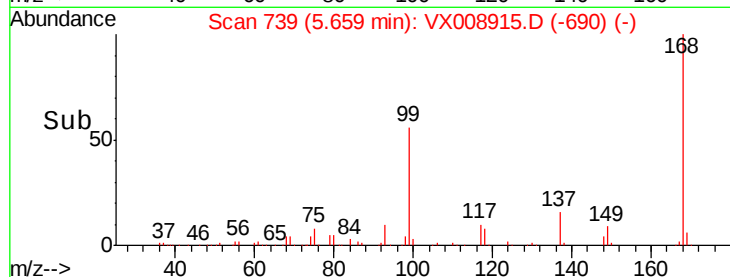
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 27

Delta R.T. -0.01 min

Lab File: VX008915.D

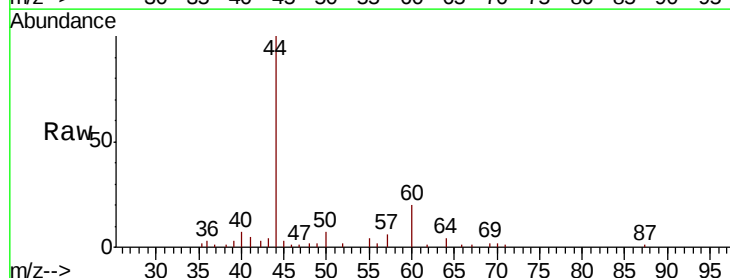
Acq: 13 Apr 2019 03:12

Tgt Ion: 50 Resp: 472

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

500

400

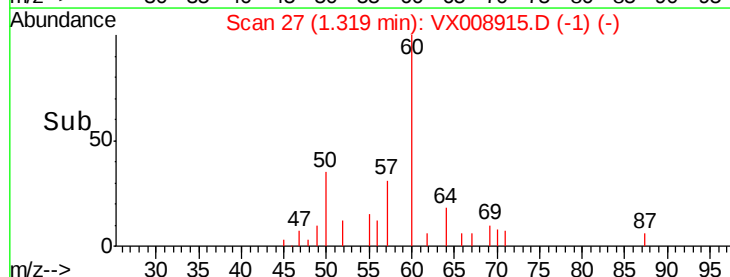
300

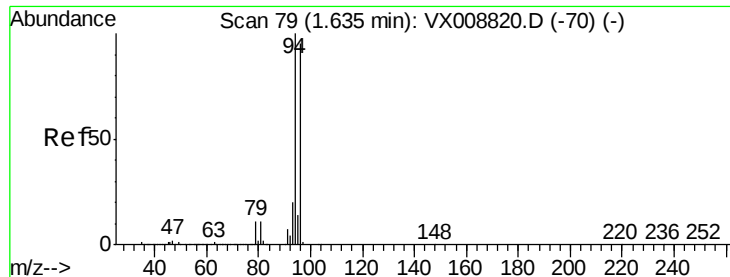
200

100

0

Time--> 1.30 1.35





#5

Bromomethane

Concen: 2.126 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

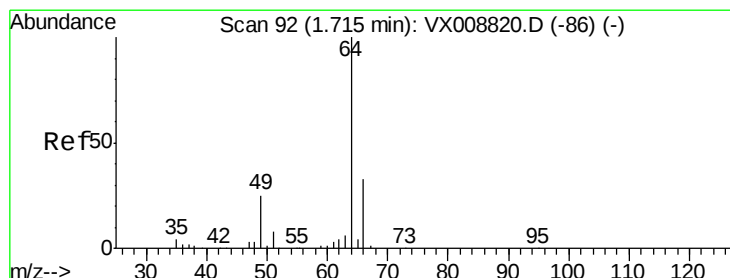
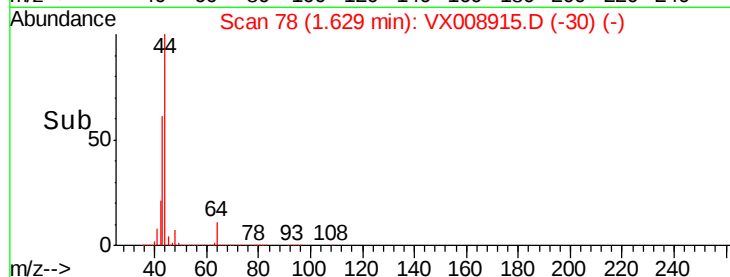
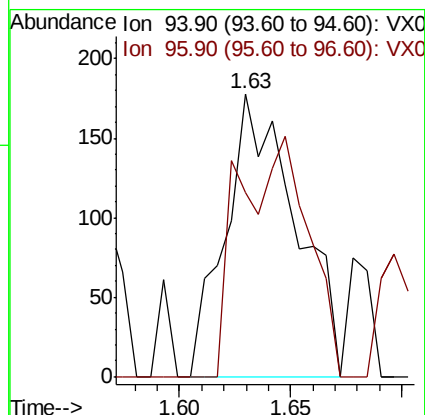
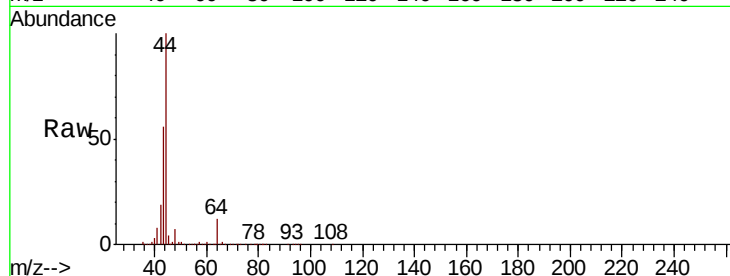
CL-COMP-2

Tot Ion: 94 Resp: 390

Ion Ratio Lower Upper

94 100

96 65.2 75.2 112.8#



#6

Chloroethane

Concen: 3.404 ug/l

RT: 1.51 min Scan# 58

Delta R.T. -0.21 min

Lab File: VX008915.D

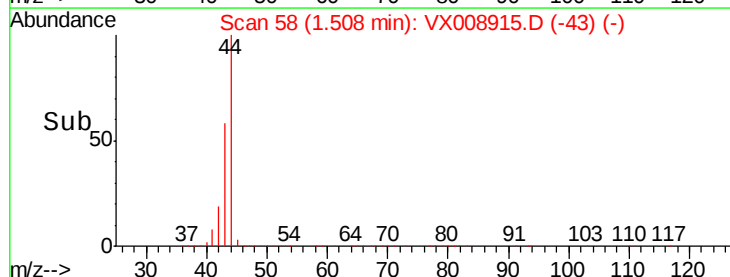
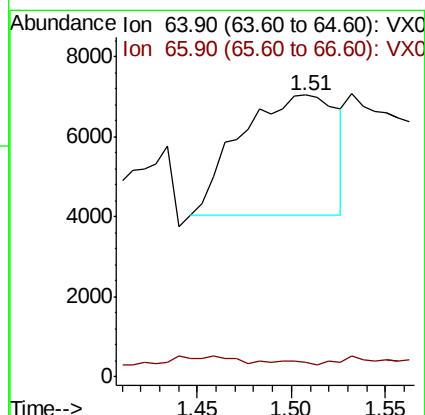
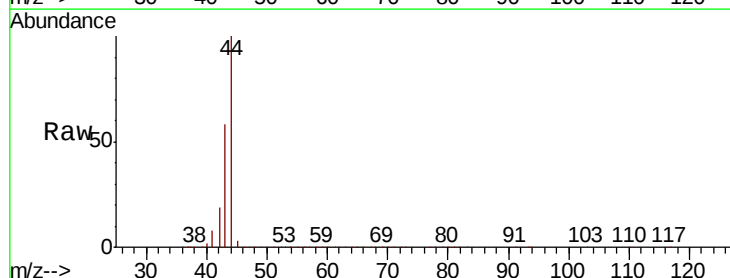
Acq: 13 Apr 2019 03:12

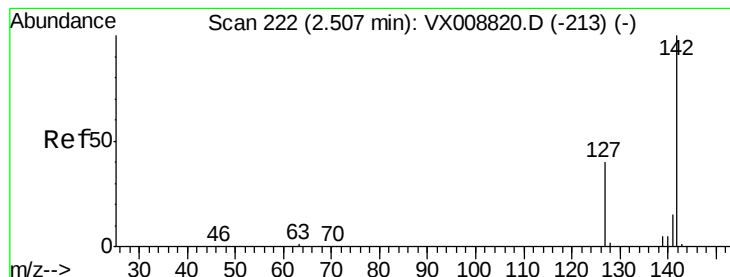
Tgt Ion: 64 Resp: 10753

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#





#10

Methvl Iodide

Concen: 4.015 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

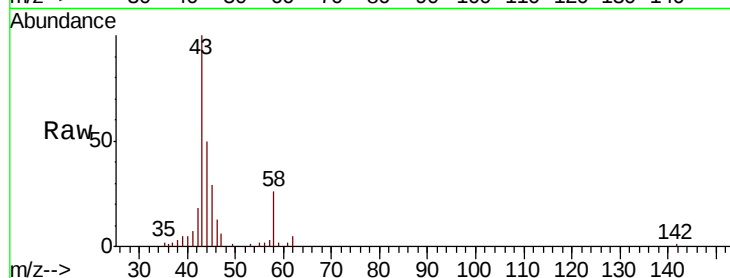
Tot Ion:142 Resp: 26

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

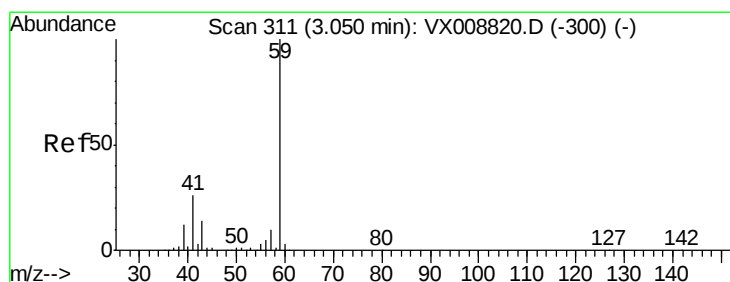
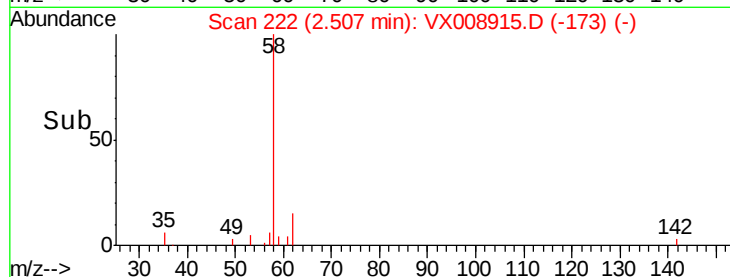
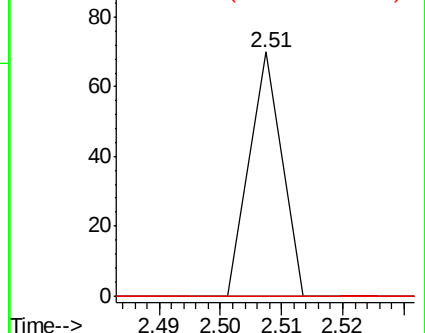
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 7.177 ug/l

RT: 3.06 min Scan# 312

Delta R.T. 0.00 min

Lab File: VX008915.D

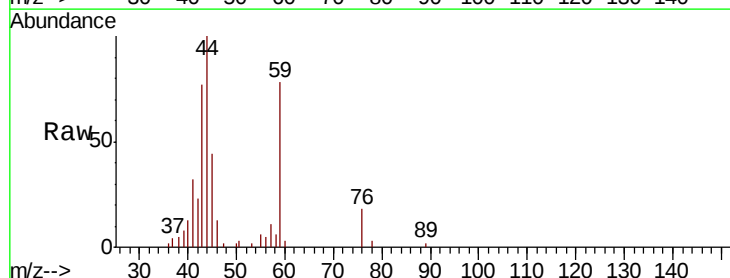
Acq: 13 Apr 2019 03:12

Tgt Ion: 59 Resp: 4981

Ion Ratio Lower Upper

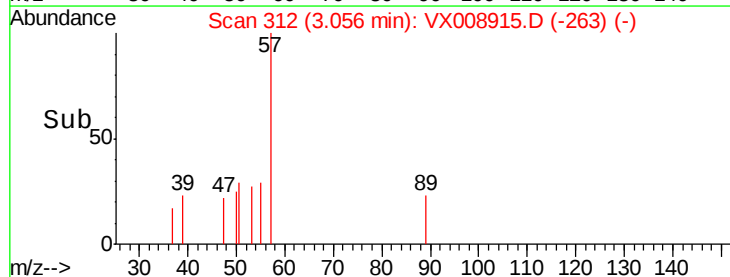
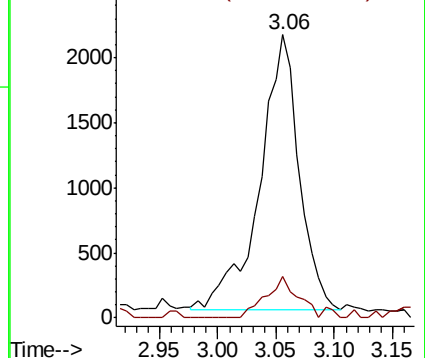
59 100

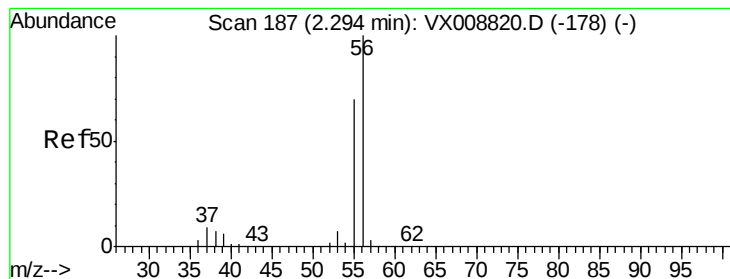
57 12.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 26.976 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

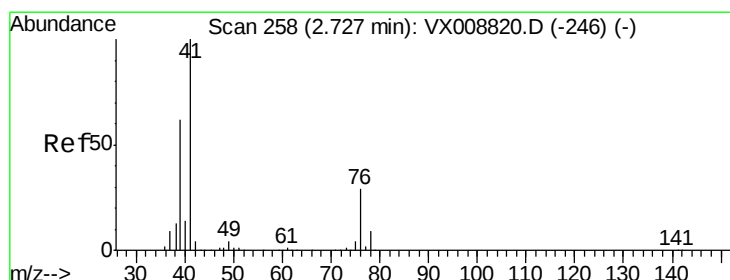
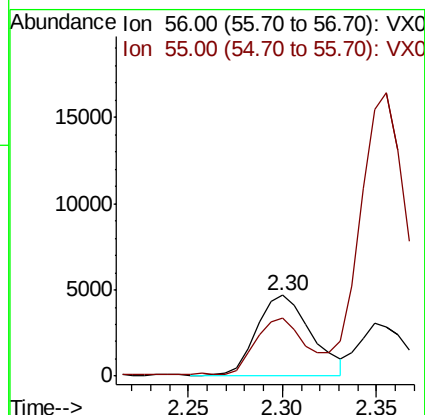
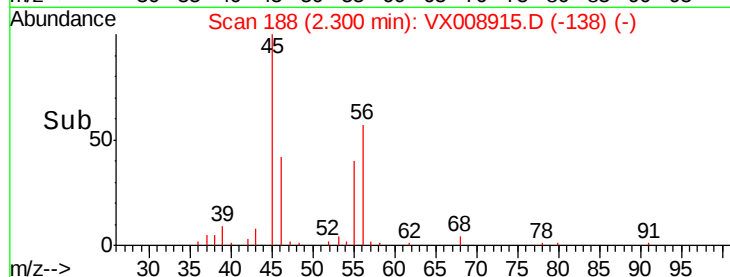
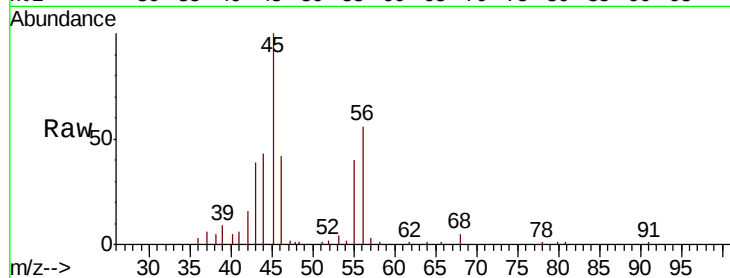
CL-COMP-2

Tot Ion: 56 Resp: 9283

Ion Ratio Lower Upper

56 100

55 62.9 58.0 87.0



#14

Allyl chloride

Concen: 0.401 ug/l

RT: 2.71 min Scan# 256

Delta R.T. -0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

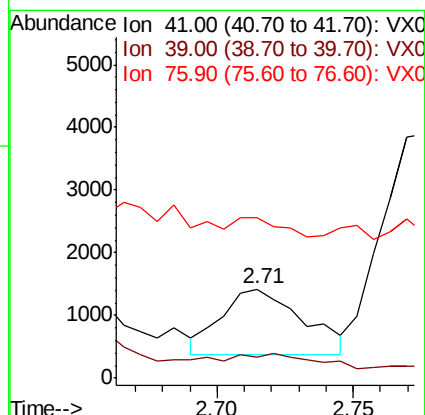
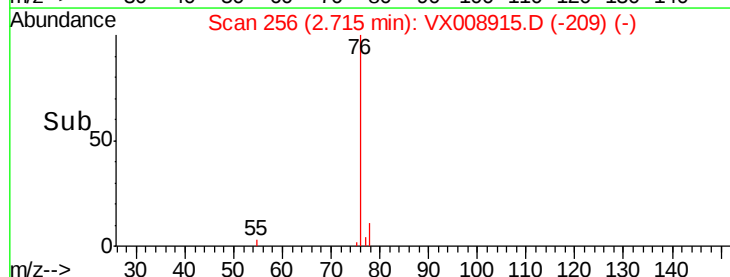
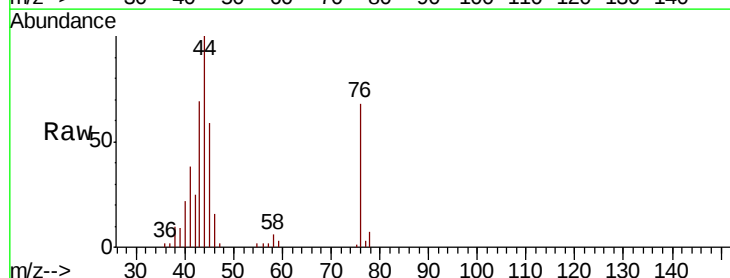
Tgt Ion: 41 Resp: 2158

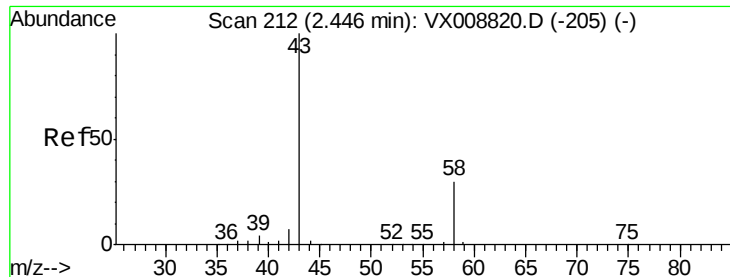
Ion Ratio Lower Upper

41 100

39 0.0 48.0 72.0#

76 0.0 22.0 33.0#

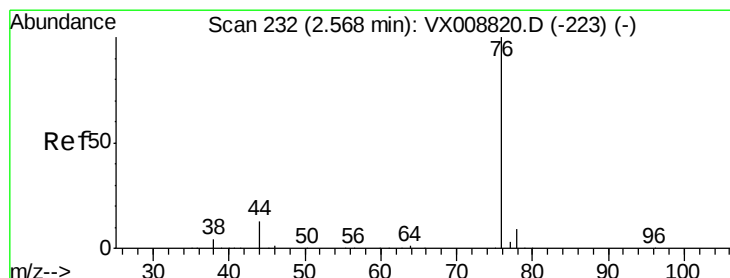
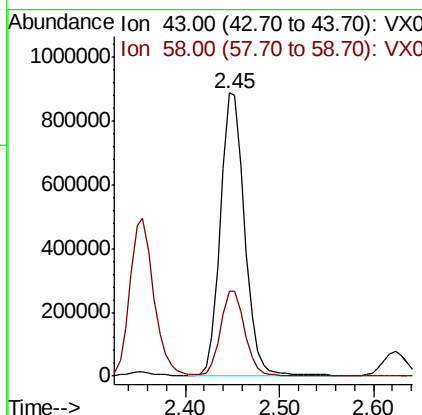
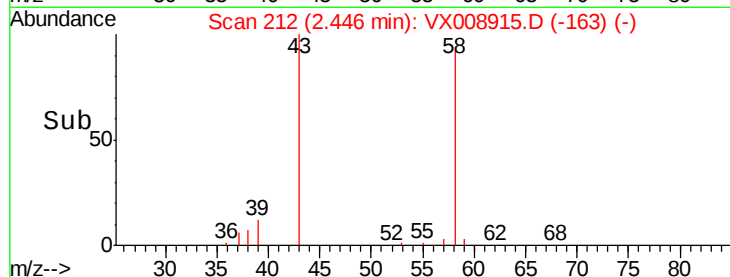
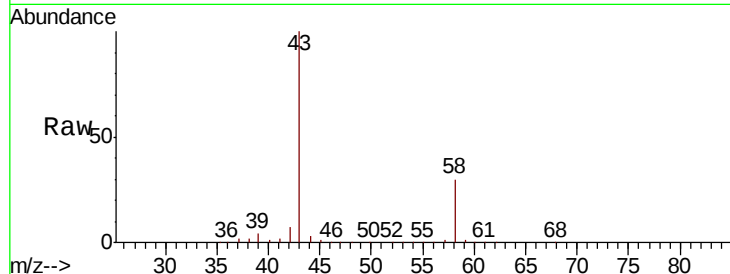




#16
Acetone
Concen: 919.171 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

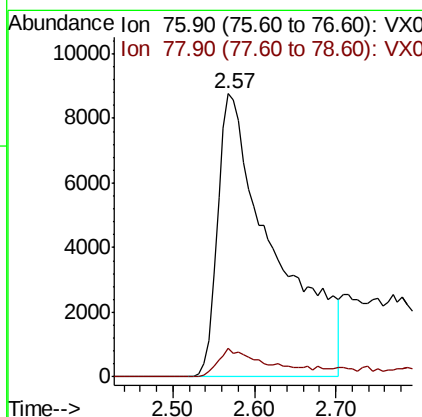
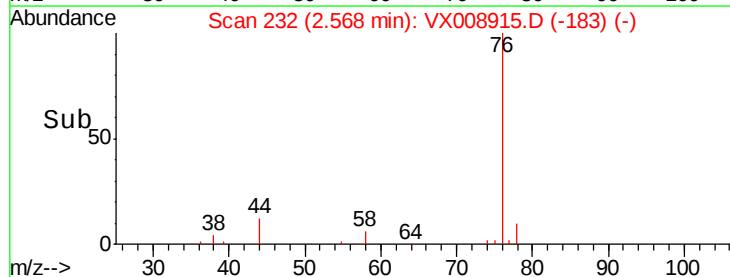
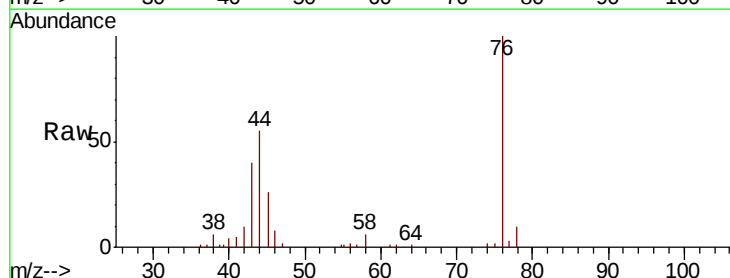
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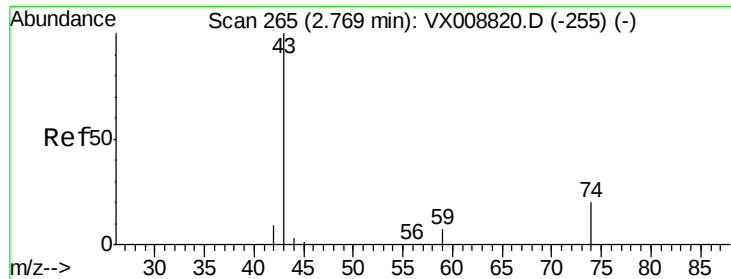
Tot Ion: 43 Resp: 1569416
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2



#17
Carbon Disulfide
Concen: 5.575 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 76 Resp: 42288
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7

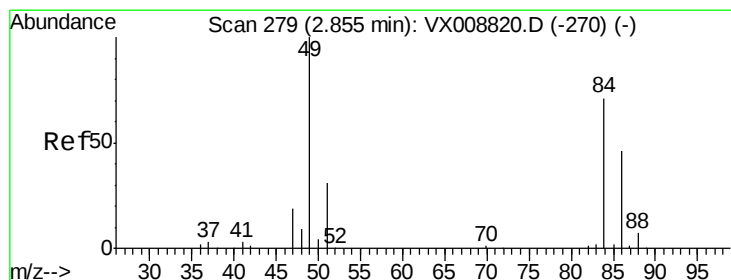
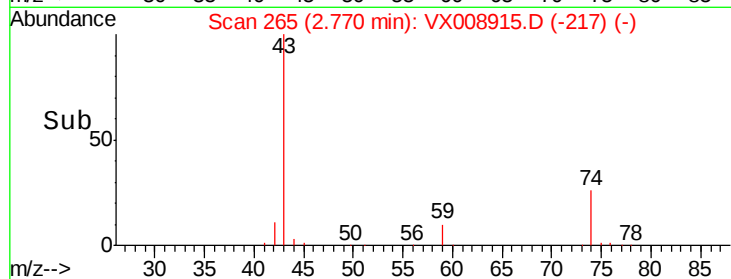
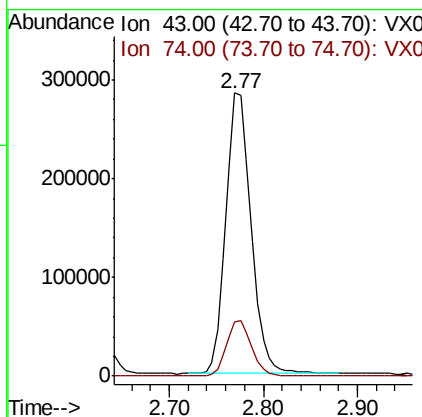
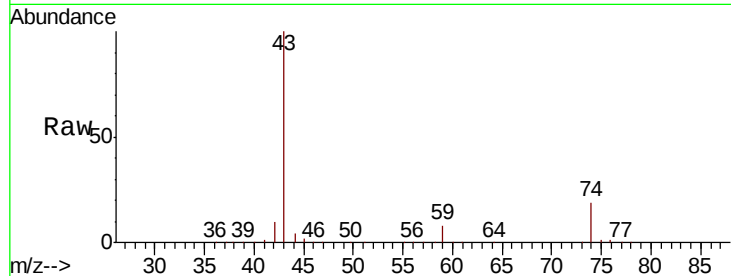




#18
Methvl Acetate
Concen: 128.500 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

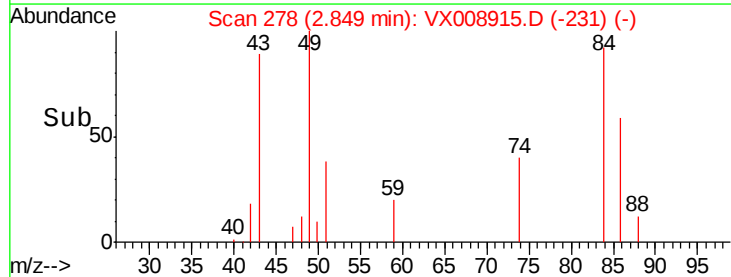
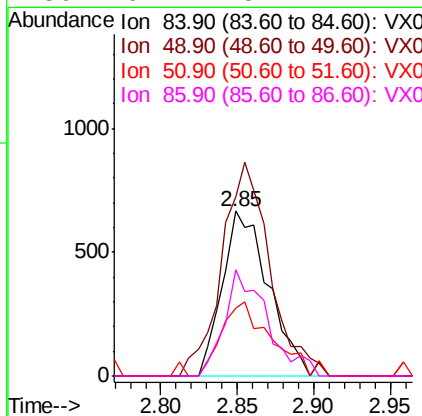
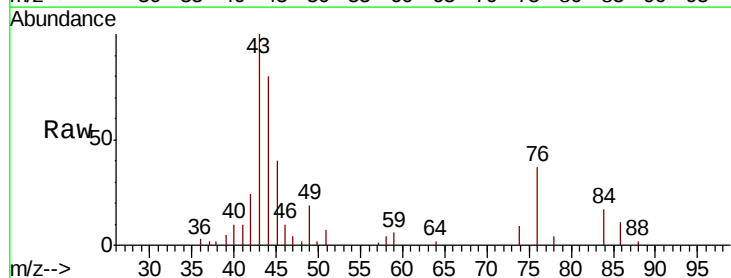
Instrument :
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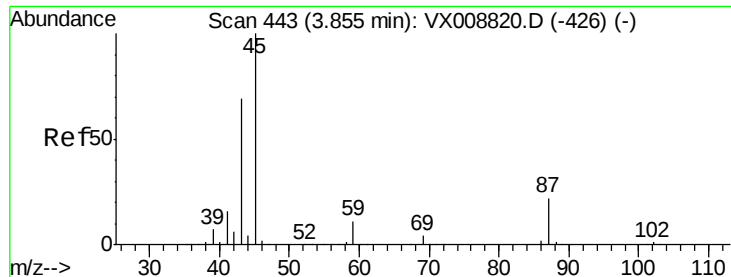
Tot Ion: 43 Resp: 532119
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7



#20
Methylene Chloride
Concen: 0.494 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 84 Resp: 1413
Ion Ratio Lower Upper
84 100
49 108.4 109.7 164.5#
51 41.1 33.6 50.4
86 64.1 51.4 77.2





#22

Diisopropyl ether

Concen: 2.851 ug/l

RT: 3.97 min Scan# 462

Delta R.T. 0.11 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-2

Tot Ion: 45 Resp: 29554

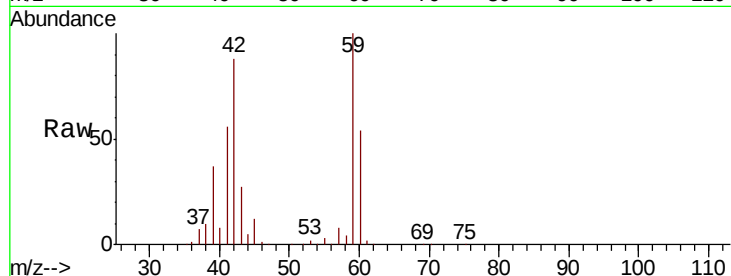
Ion Ratio Lower Upper

45 100

43 220.6 51.3 76.9#

87 0.0 18.1 27.1#

59 859.6 8.6 13.0#

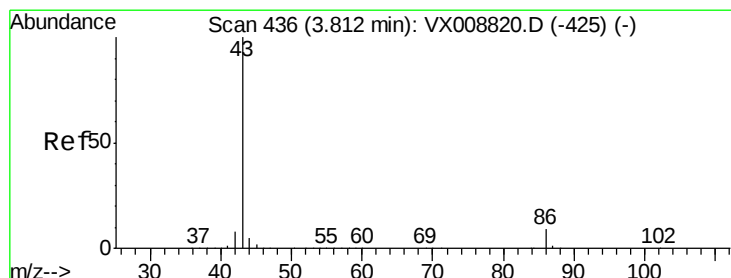
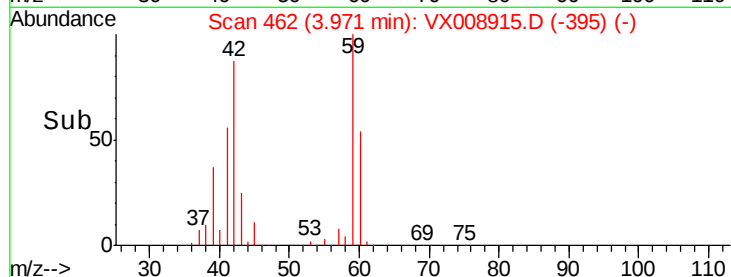
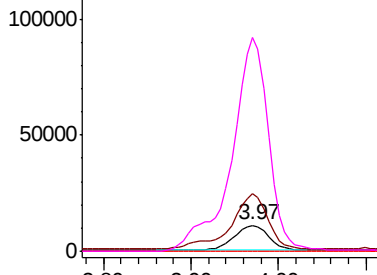


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0



#23

Vinyl Acetate

Concen: 7.717 ug/l

RT: 3.97 min Scan# 462

Delta R.T. 0.15 min

Lab File: VX008915.D

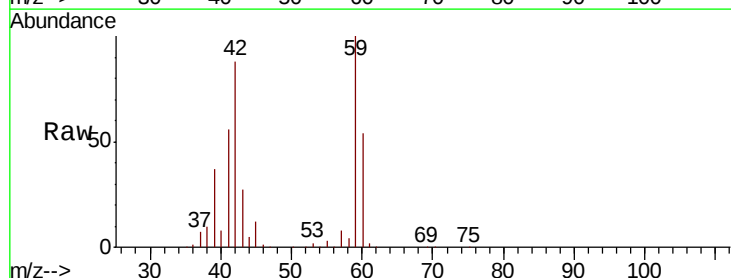
Acq: 13 Apr 2019 03:12

Tgt Ion: 43 Resp: 69596

Ion Ratio Lower Upper

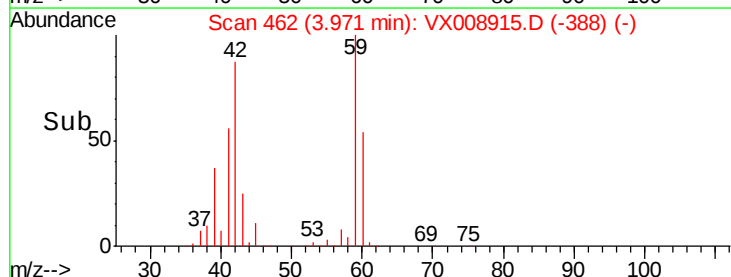
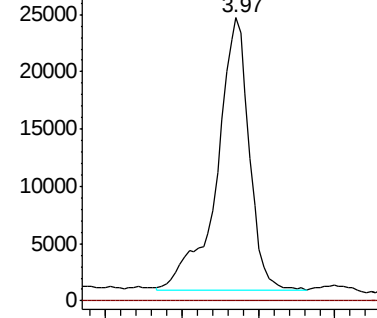
43 100

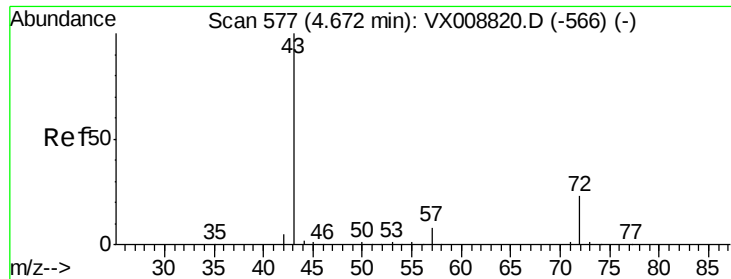
86 0.0 7.0 10.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

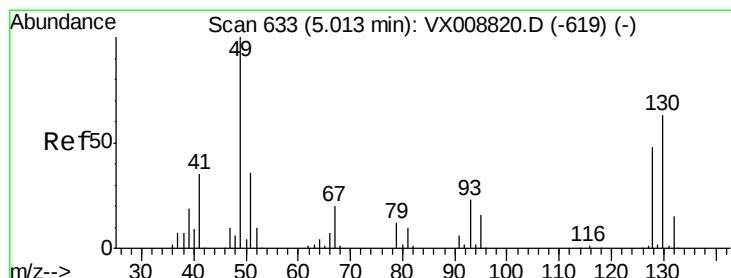
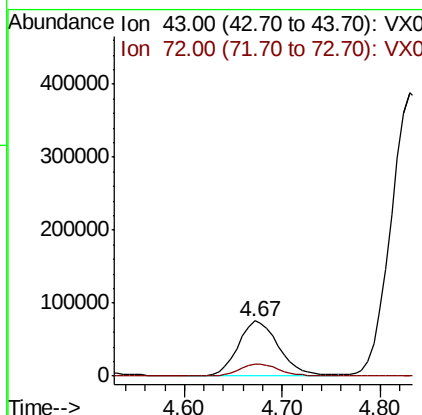
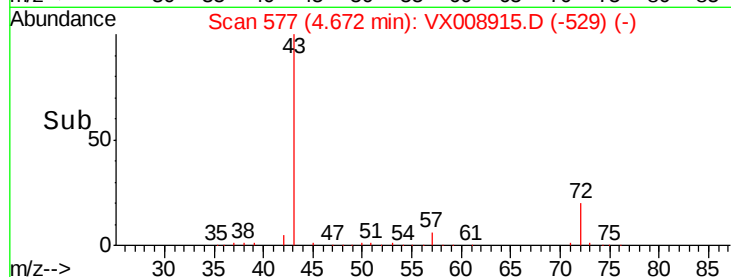
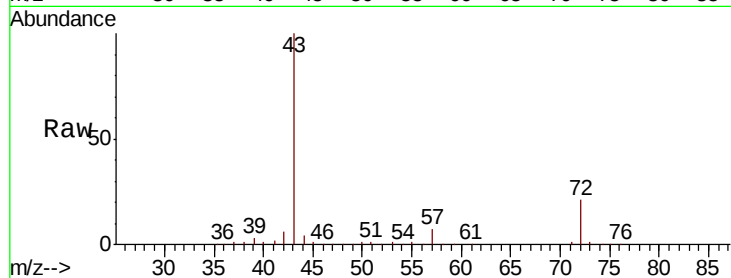




#25
 2-Butanone
 Concen: 78.021 ug/l
 RT: 4.67 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

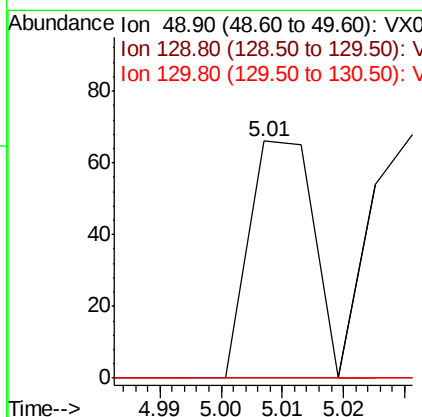
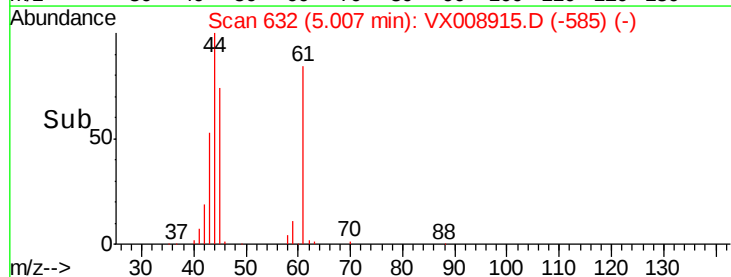
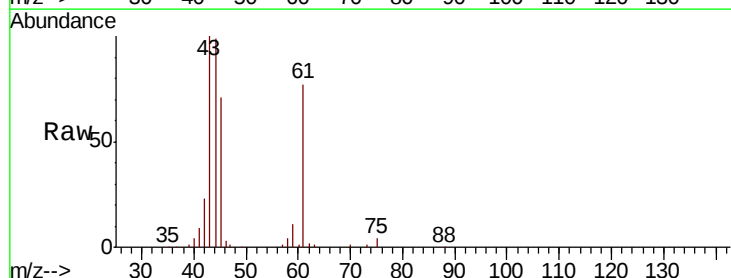
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

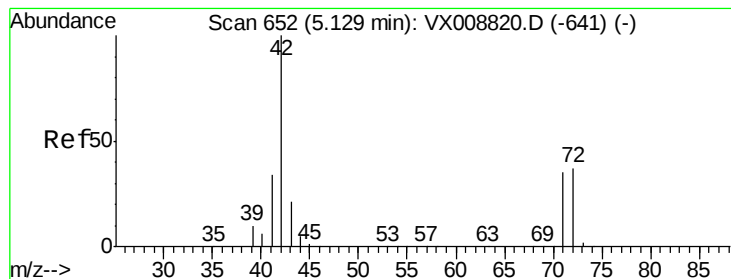
Tot Ion: 43 Resp: 210550
 Ion Ratio Lower Upper
 43 100
 72 21.8 18.2 27.4



#28
 Bromochloromethane
 Concen: Below Cal
 RT: 5.01 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 49 Resp: 48
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.6
 130 0.0 49.3 73.9#





#29

Tetrahydrofuran

Concen: 0.826 ug/l

RT: 5.15 min Scan# 655

Delta R.T. 0.02 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

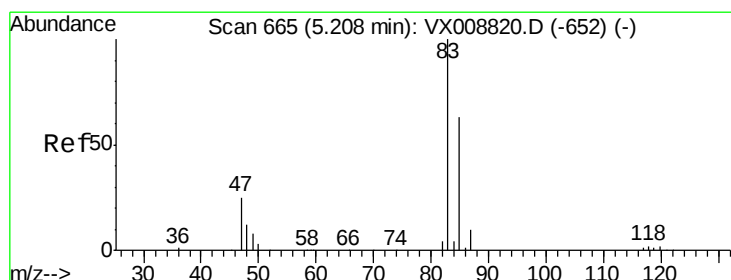
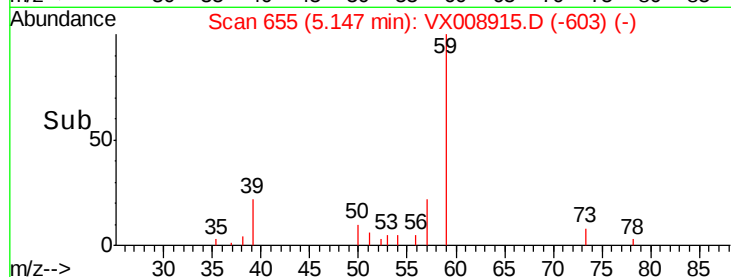
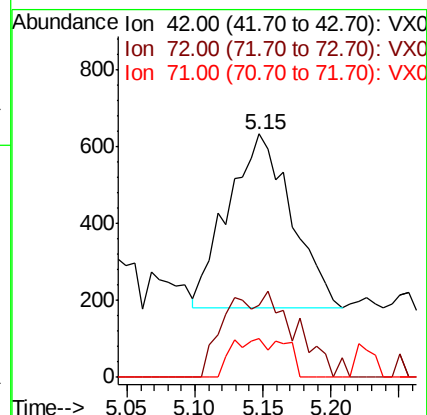
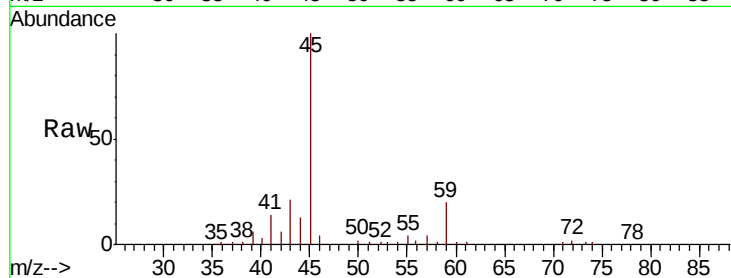
Tot Ion: 42 Resp: 1479

Ion Ratio Lower Upper

42 100

72 23.4 30.5 45.7#

71 12.4 28.6 43.0#



#30

Chloroform

Concen: 0.535 ug/l

RT: 5.21 min Scan# 666

Delta R.T. 0.00 min

Lab File: VX008915.D

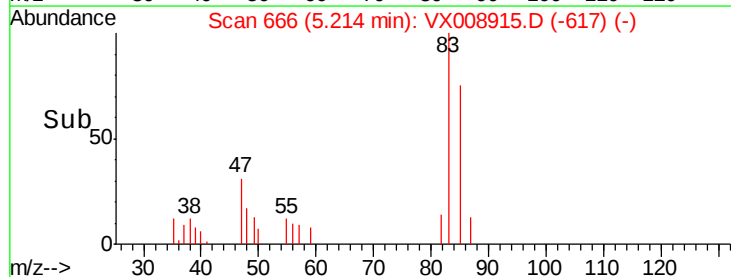
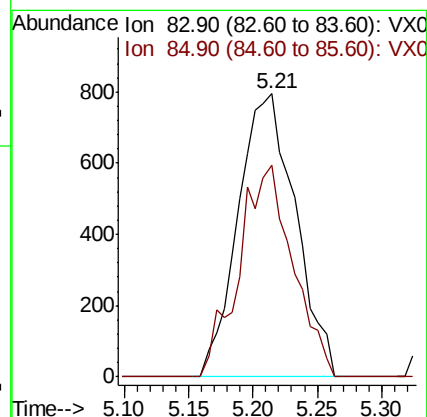
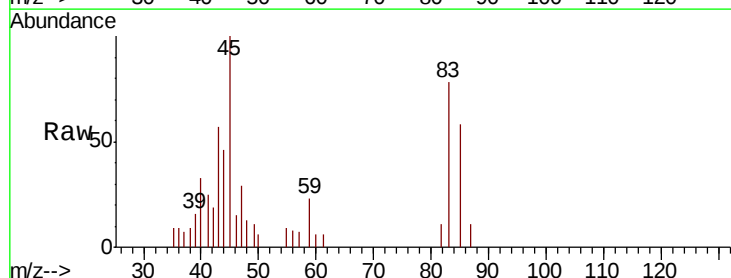
Acq: 13 Apr 2019 03:12

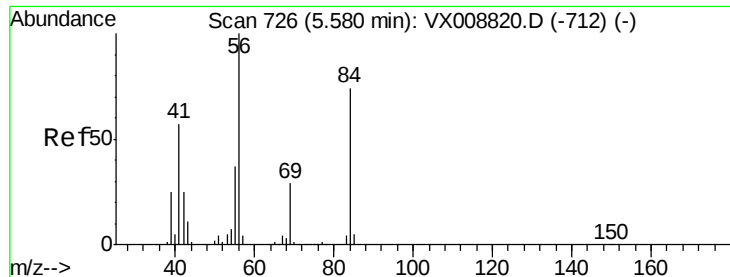
Tgt Ion: 83 Resp: 2453

Ion Ratio Lower Upper

83 100

85 74.6 52.1 78.1

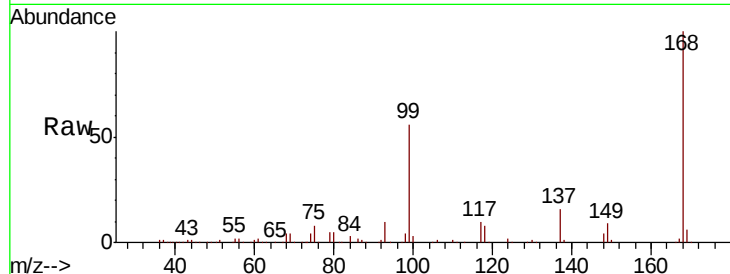




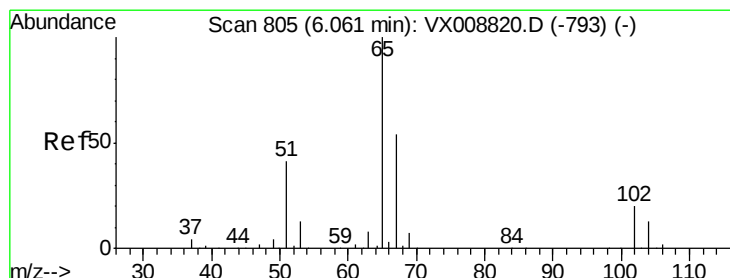
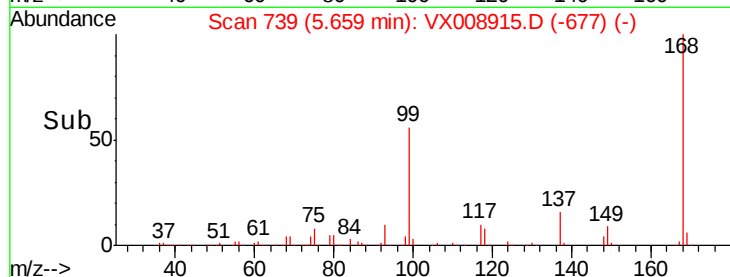
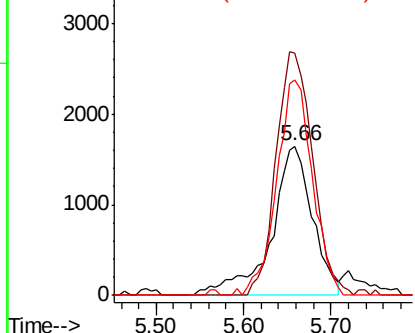
#31
Cyclohexane
Concen: 1.052 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

Tot Ion: 56 Resp: 5386
Ion Ratio Lower Upper
56 100
69 162.0 22.6 33.8#
84 144.5 59.3 88.9#

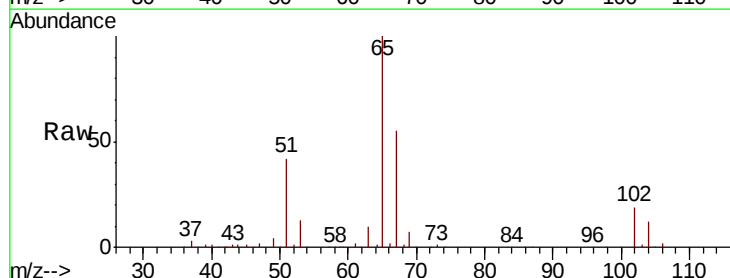


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

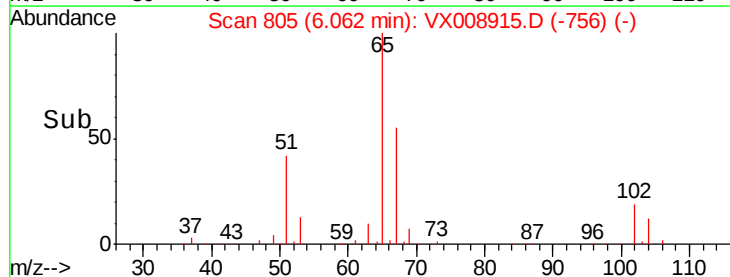
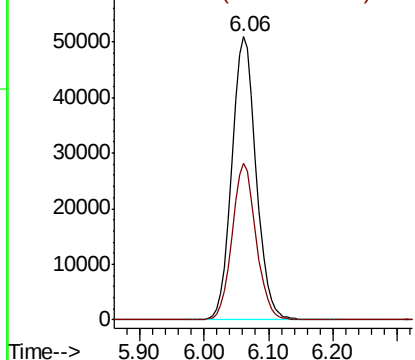


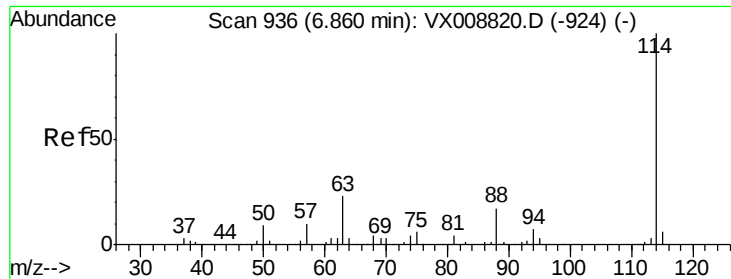
#33
1,2-Dichloroethane-d4
Concen: 45.297 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 65 Resp: 134281
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.2



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

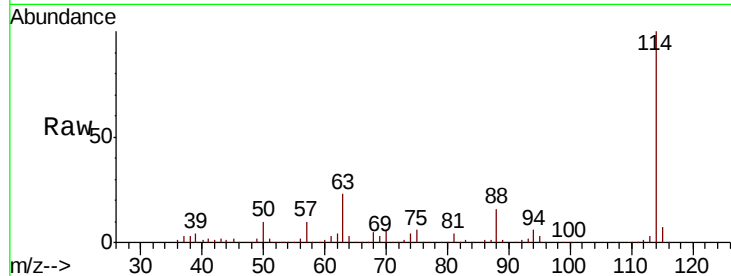




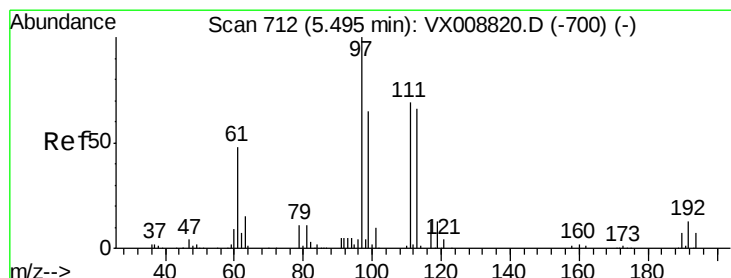
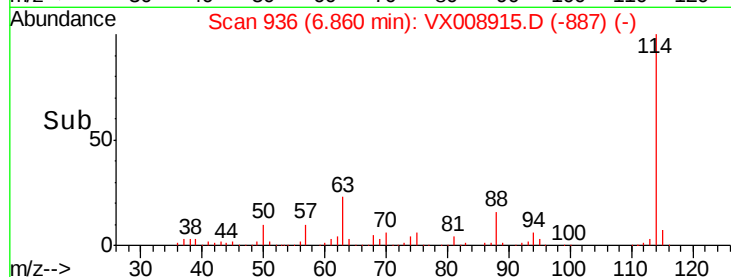
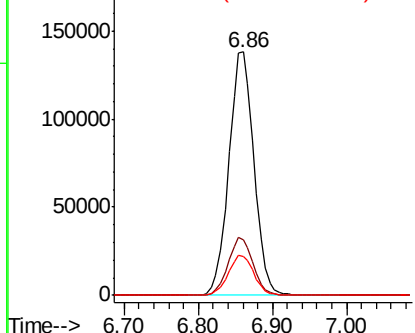
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

Tot Ion:114 Resp: 325984
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 16.1 0.0 34.0

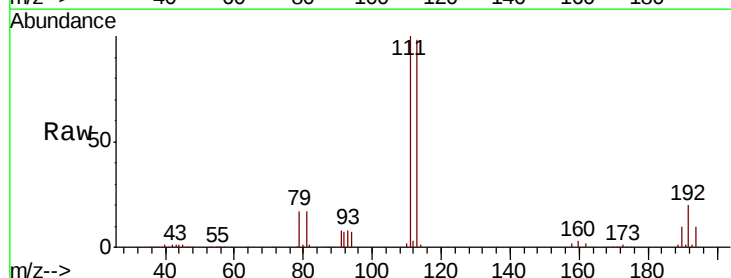


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

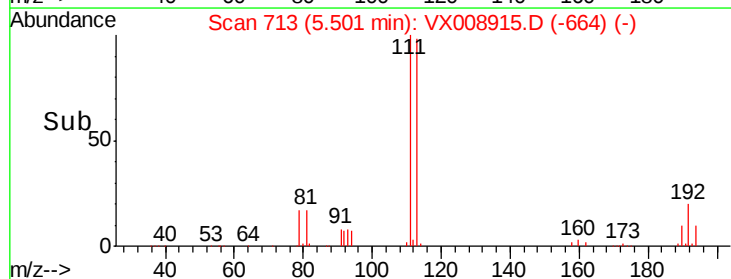
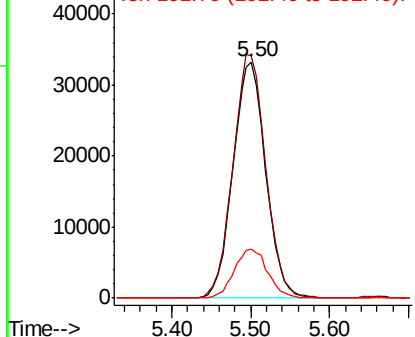


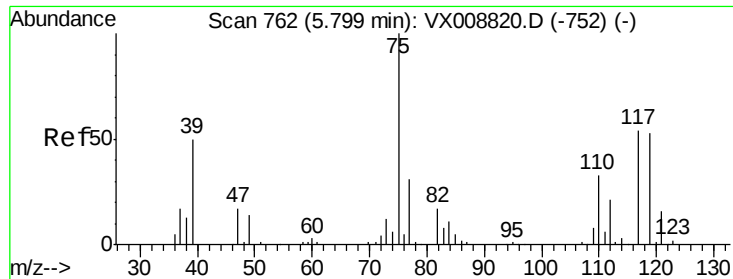
#35
 Dibromofluoromethane
 Concen: 45.892 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion:113 Resp: 95650
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.4 125.2
 192 21.2 16.1 24.1



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

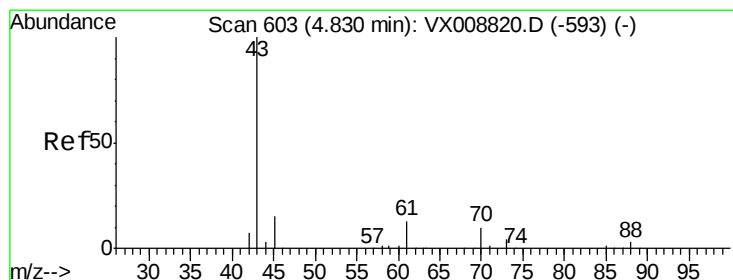
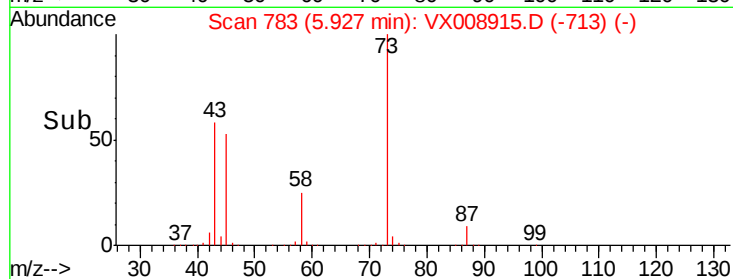
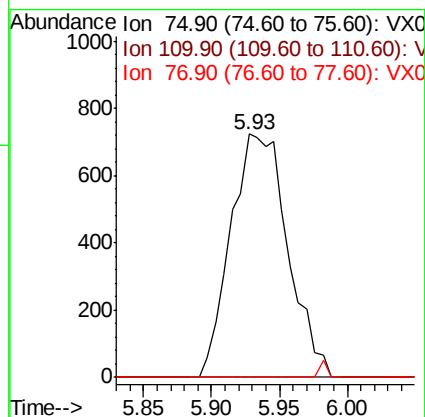
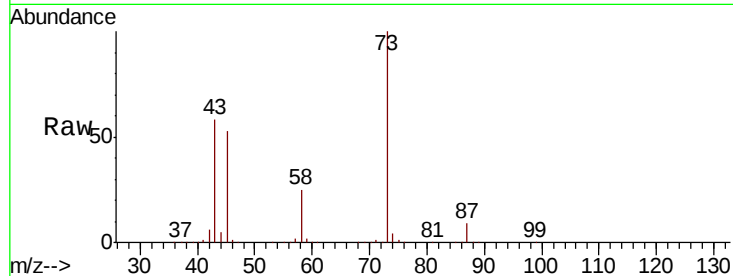




#36
 1,1-Dichloropropene
 Concen: 0.596 ug/l
 RT: 5.93 min Scan# 783
 Delta R.T. 0.13 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

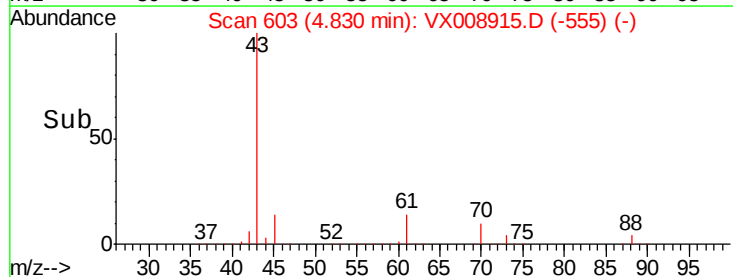
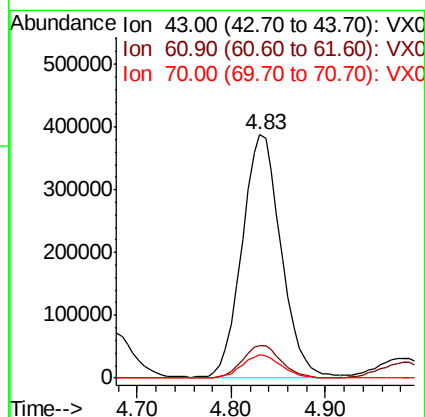
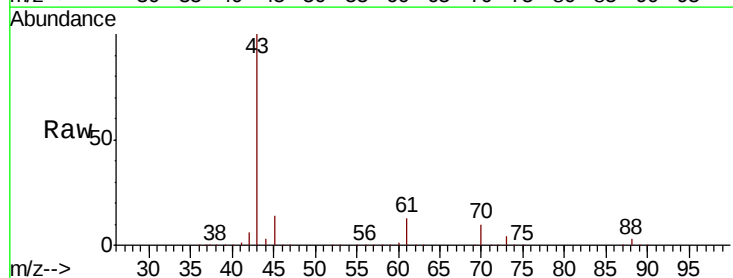
Instrument :
 MSVOA_X
 ClientSampleID :
 CL-COMP-2

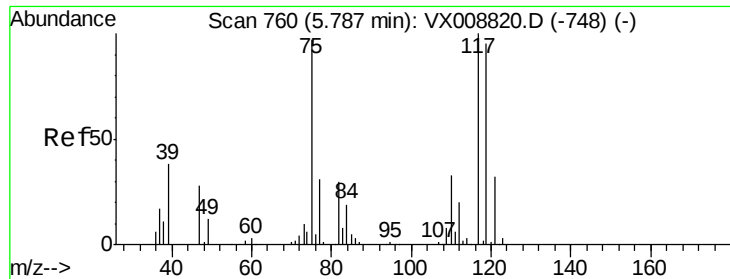
Tot Ion: 75 Resp: 2122
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.4 49.2#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 235.395 ug/l
 RT: 4.83 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 43 Resp: 1119608
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.3 15.5
 70 9.6 7.6 11.4





#38

Carbon Tetrachloride

Concen: 6.571 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

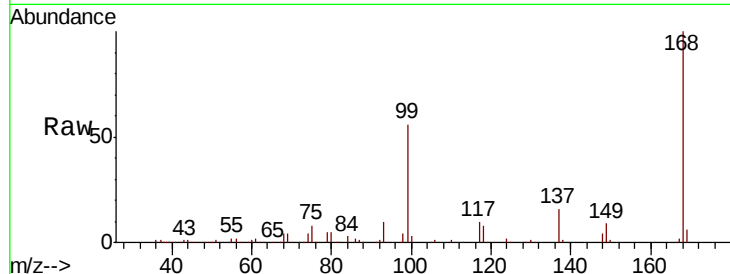
Tot Ion:117 Resp: 19379

Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

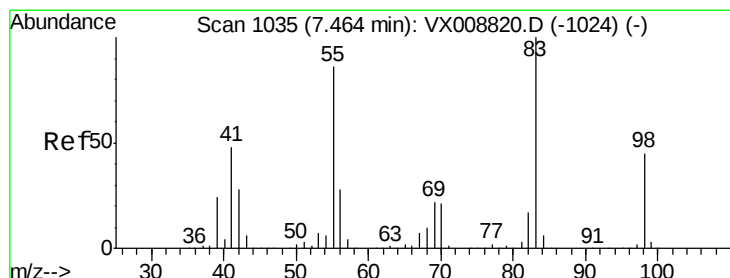
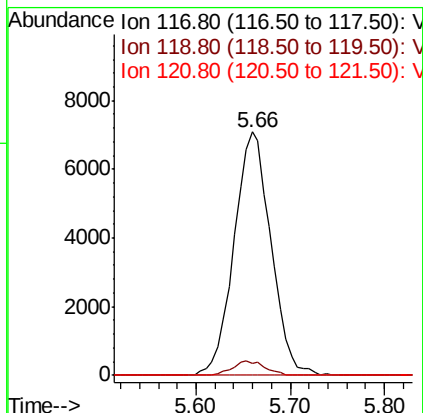
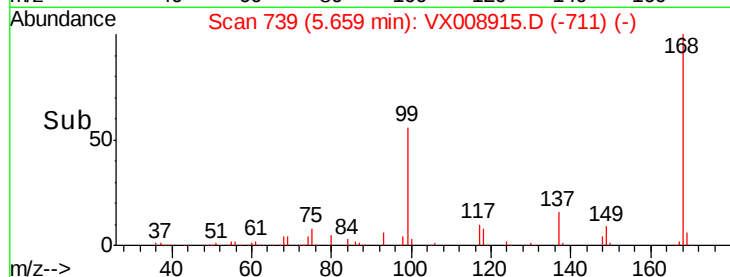
121 0.0 24.3 36.5#



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



#39

Methylcyclohexane

Concen: 0.200 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

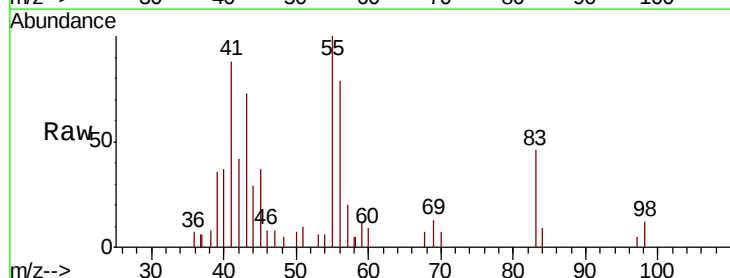
Tgt Ion: 83 Resp: 882

Ion Ratio Lower Upper

83 100

55 169.6 69.0 103.6#

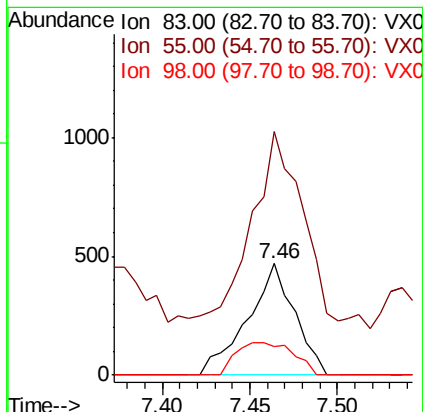
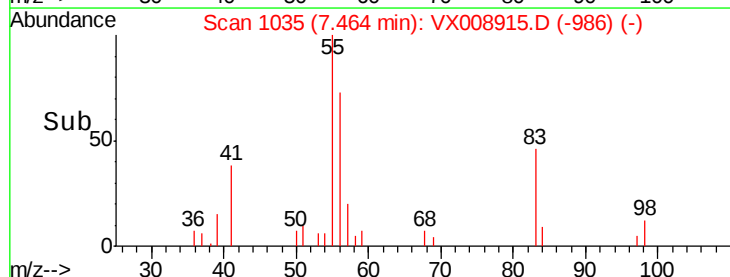
98 26.0 34.4 51.6#

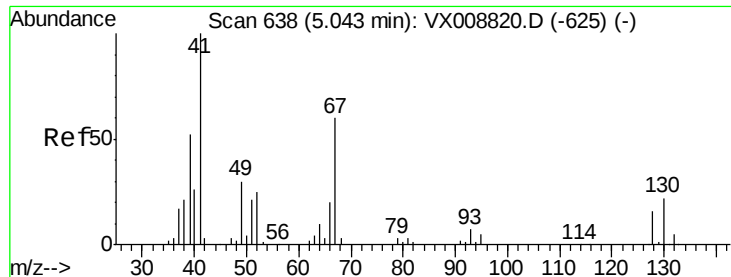


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

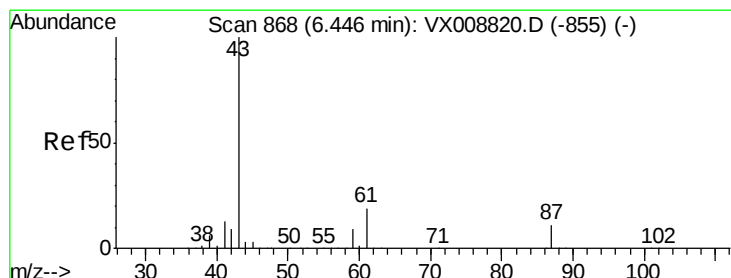
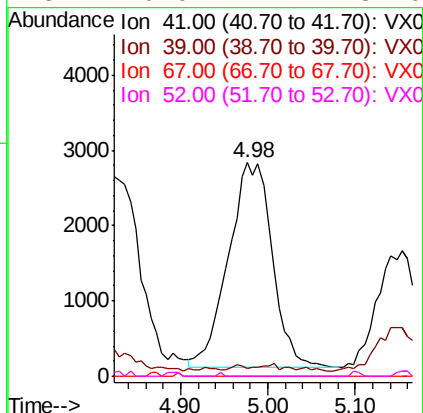
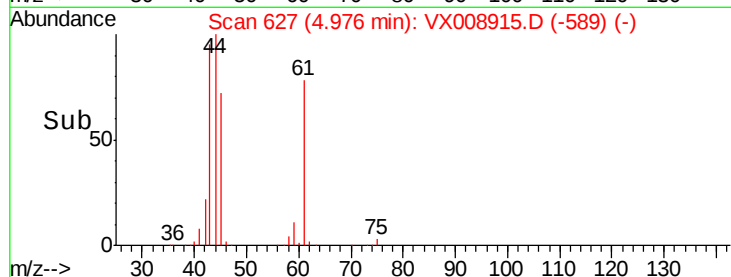
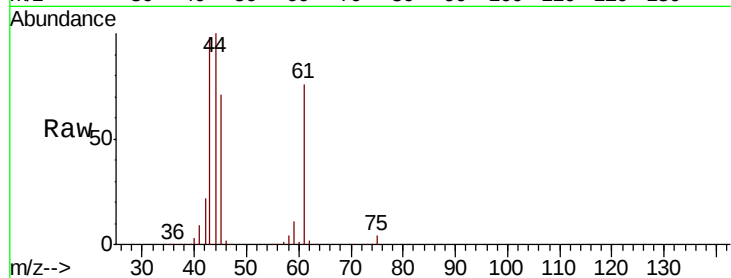




#41
Methacrylonitrile
Concen: 3.478 ug/l
RT: 4.98 min Scan# 627
Delta R.T. -0.07 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

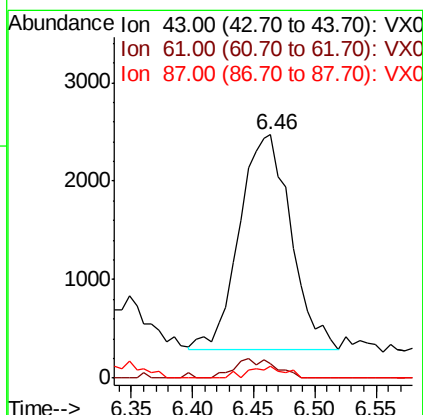
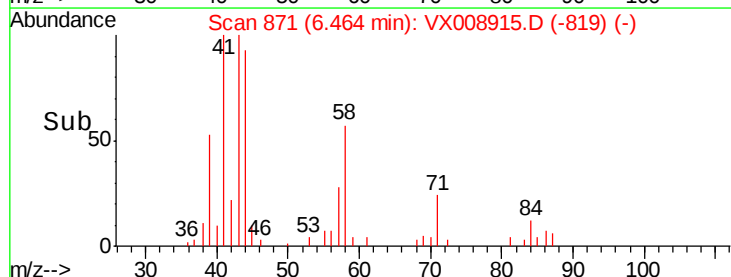
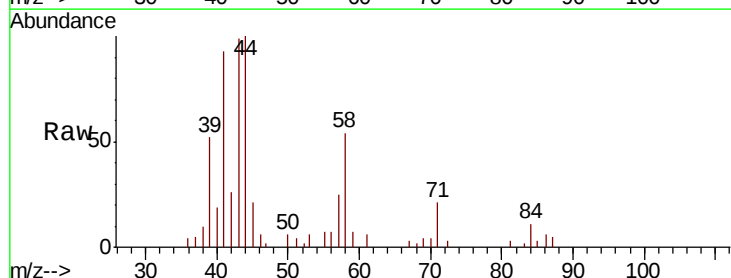
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-2

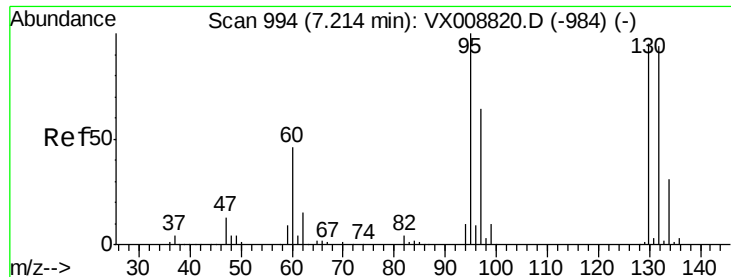
Tot Ion: 41 Resp: 9509
Ion Ratio Lower Upper
41 100
39 0.0 42.1 63.1#
67 0.0 51.0 76.6#
52 0.0 21.4 32.0#



#43
Isopropyl Acetate
Concen: 0.854 ug/l
RT: 6.46 min Scan# 871
Delta R.T. 0.02 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 43 Resp: 6366
Ion Ratio Lower Upper
43 100
61 7.2 15.3 22.9#
87 3.8 9.0 13.6#

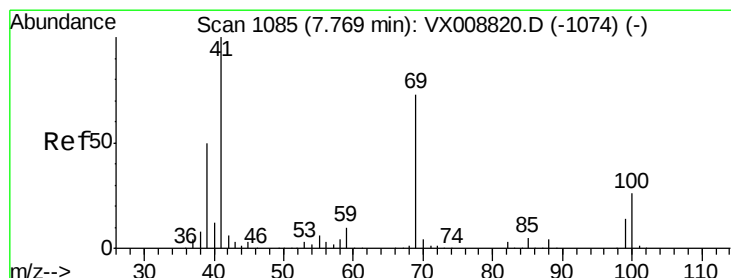
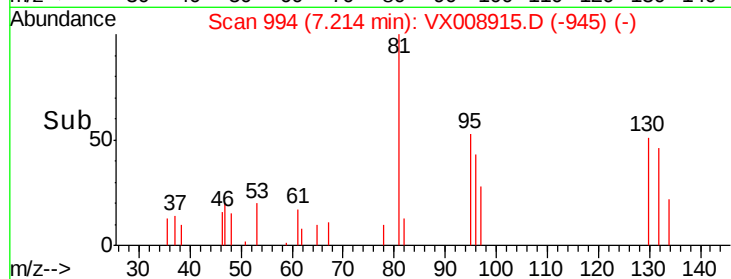
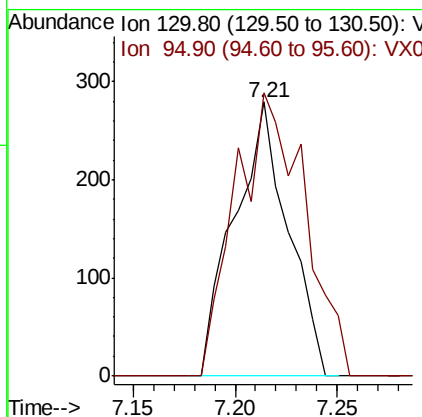
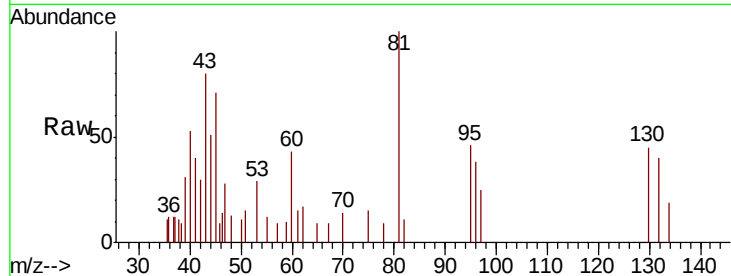




#44
 Trichloroethene
 Concen: 0.207 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

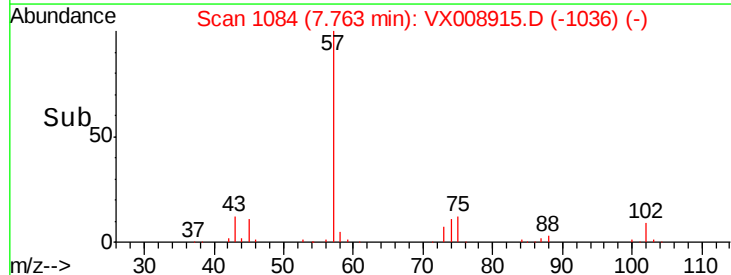
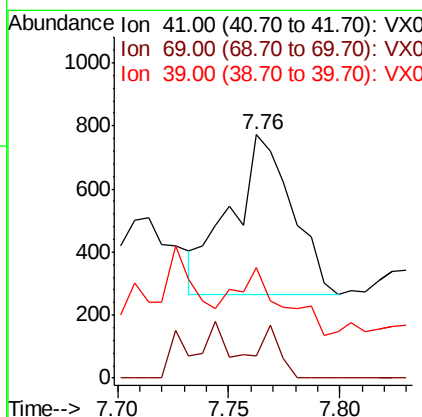
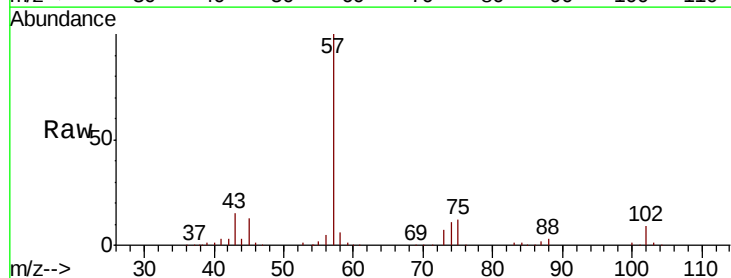
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

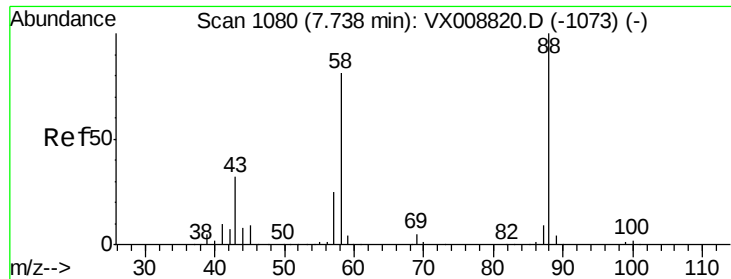
Tot Ion:130 Resp: 513
 Ion Ratio Lower Upper
 130 100
 95 103.2 0.0 209.8



#48
 Methyl methacrylate
 Concen: 0.255 ug/l
 RT: 7.76 min Scan# 1084
 Delta R.T. -0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 41 Resp: 962
 Ion Ratio Lower Upper
 41 100
 69 8.7 59.0 88.4#
 39 29.9 41.0 61.4#

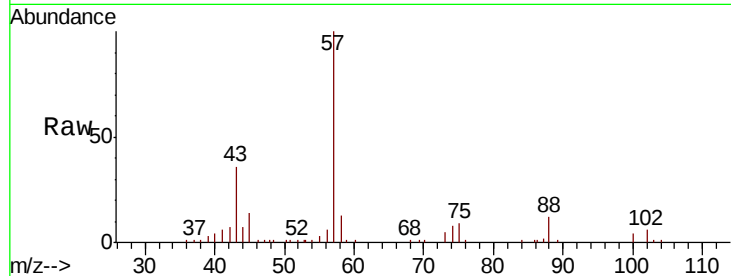




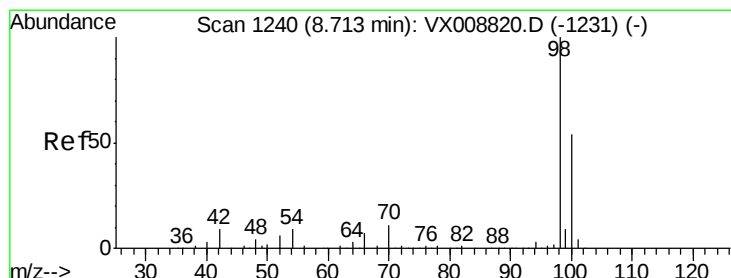
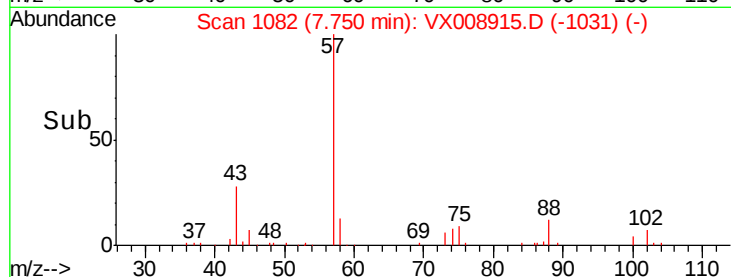
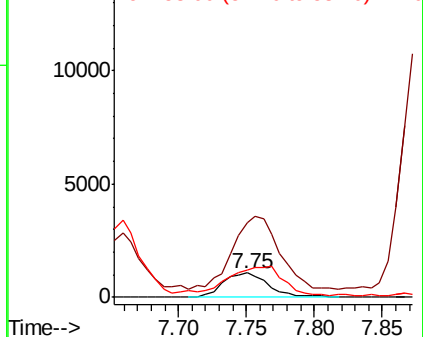
#49
1,4-Dioxane
Concen: 35.253 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Instrument :
MSVOA_X
ClientSampled :
CL-COMP-2

Tot Ion: 88 Resp: 2489
Ion Ratio Lower Upper
88 100
43 303.2 28.6 43.0#
58 145.6 62.2 93.2#

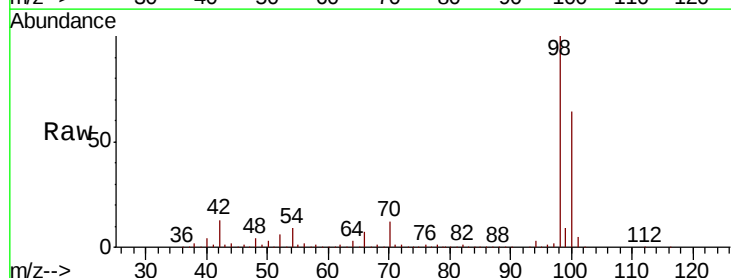


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

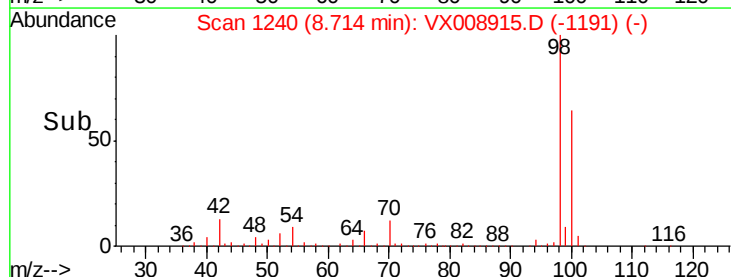
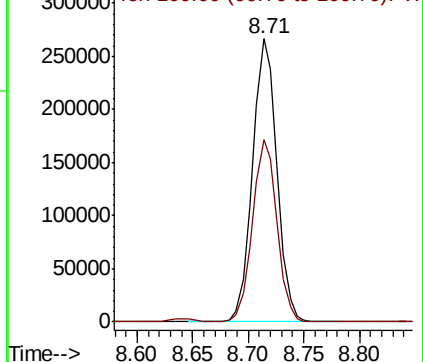


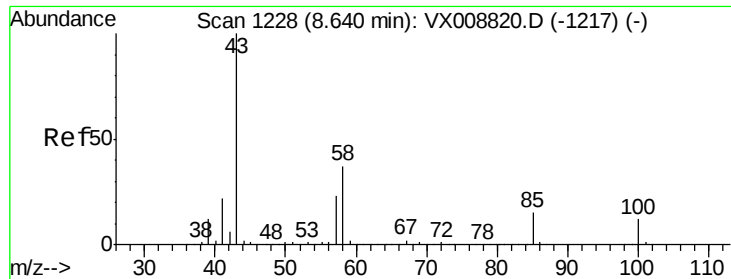
#50
Toluene-d8
Concen: 48.949 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 98 Resp: 406218
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0



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: 120.205 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

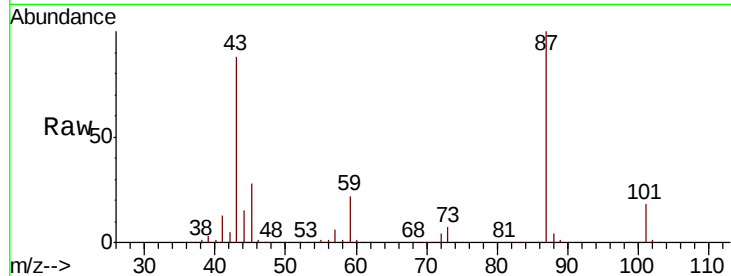
CL-COMP-2

Tot Ion: 43 Resp: 576541

Ion Ratio Lower Upper

43 100

58 0.0 29.5 44.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

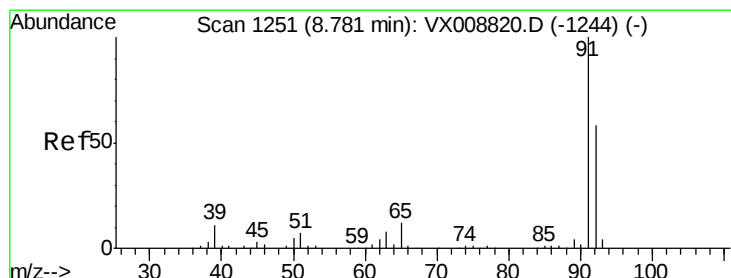
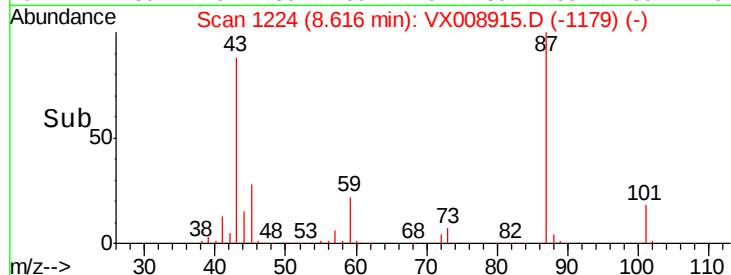
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 2.043 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008915.D

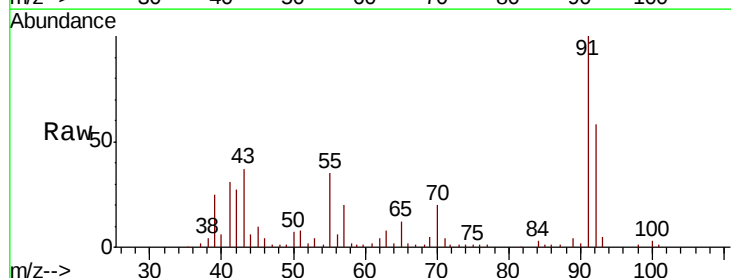
Acq: 13 Apr 2019 03:12

Tgt Ion: 92 Resp: 12786

Ion Ratio Lower Upper

92 100

91 173.0 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

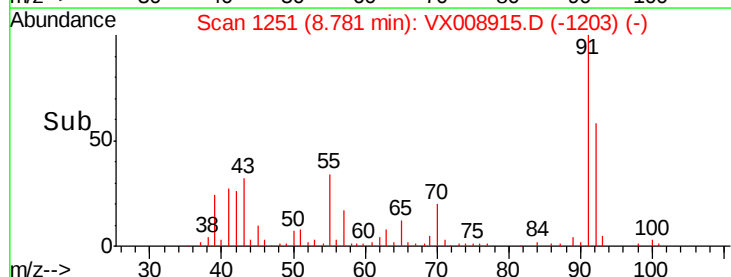
15000

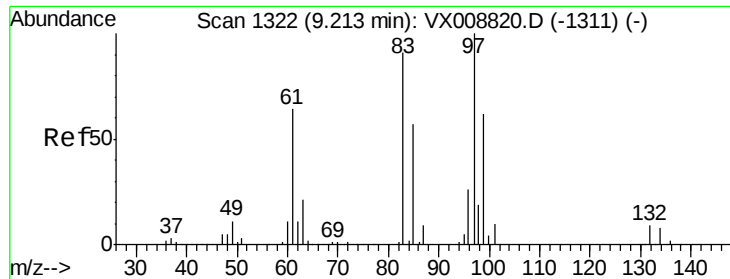
10000

5000

0

Time-->

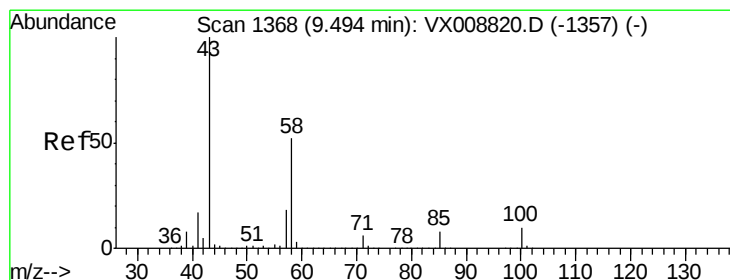
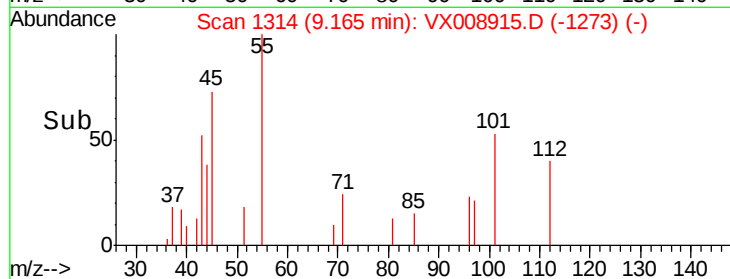
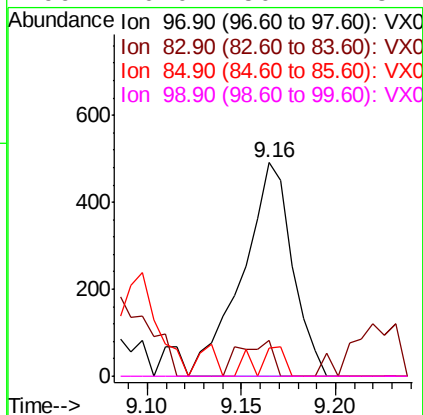
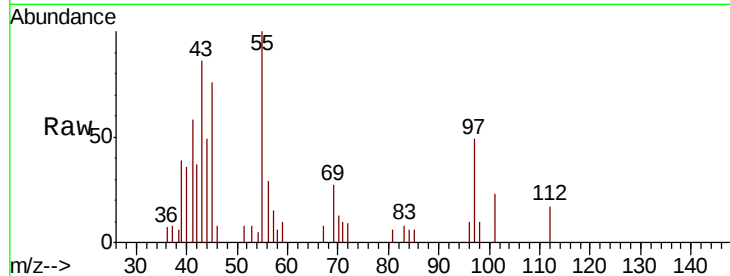




#55
 1,1,2-Trichloroethane
 Concen: 0.357 ug/l
 RT: 9.16 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

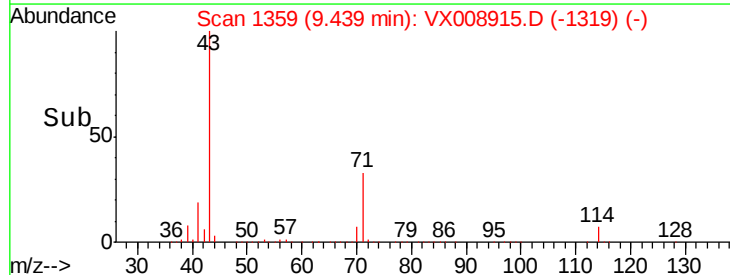
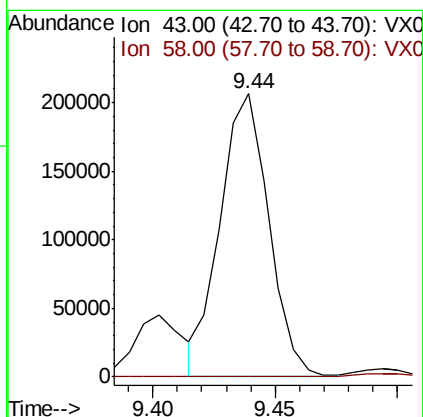
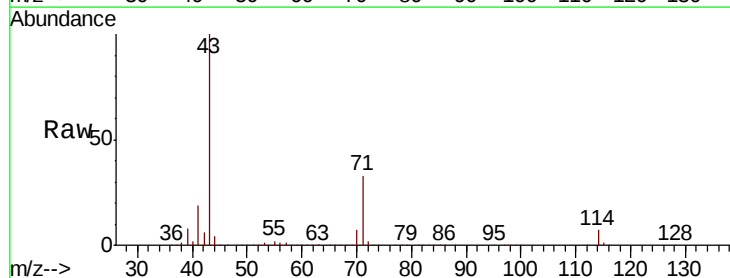
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

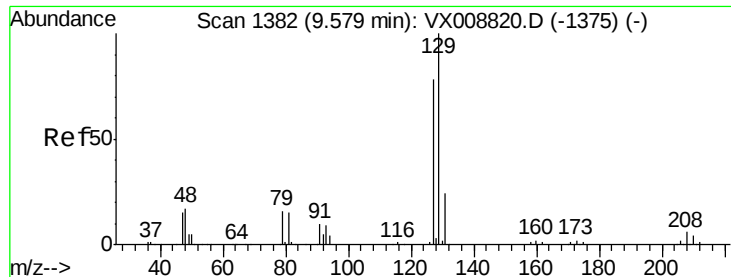
Tot Ion: 97 Resp: 898
 Ion Ratio Lower Upper
 97 100
 83 16.5 73.2 109.8#
 85 13.2 46.6 69.8#
 99 0.0 50.1 75.1#



#59
 2-Hexanone
 Concen: 76.014 ug/l
 RT: 9.44 min Scan# 1359
 Delta R.T. -0.05 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 43 Resp: 283337
 Ion Ratio Lower Upper
 43 100
 58 0.1 25.9 77.7#

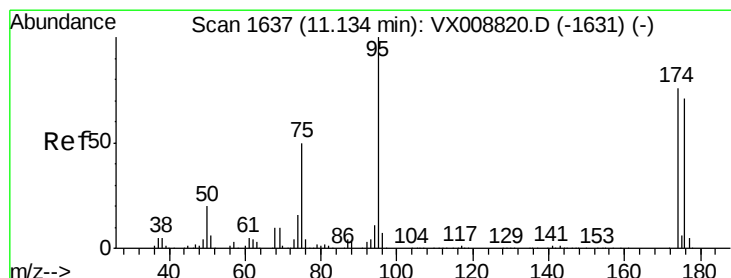
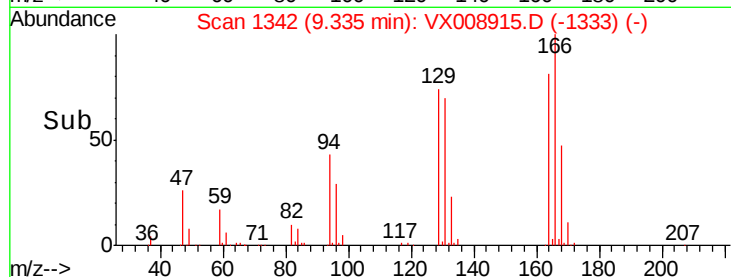
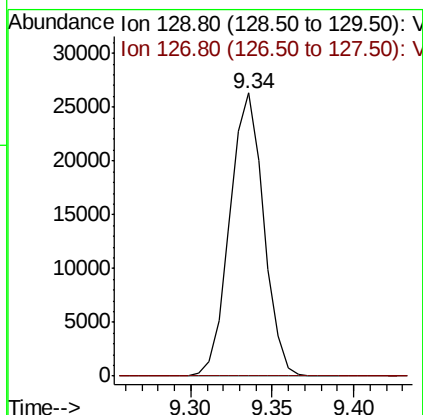
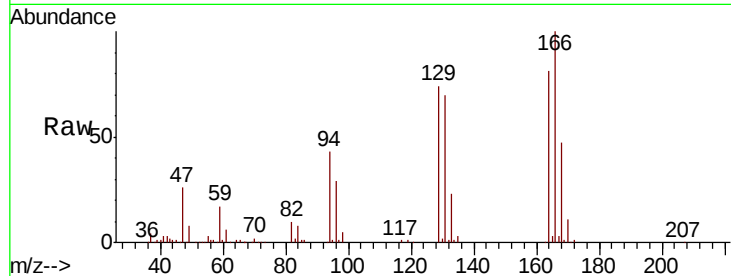




#60
 Dibromochloromethane
 Concen: 16.097 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

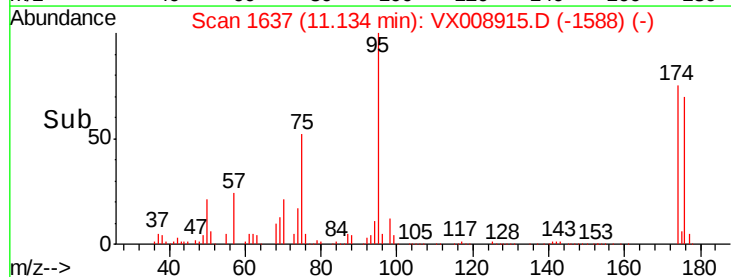
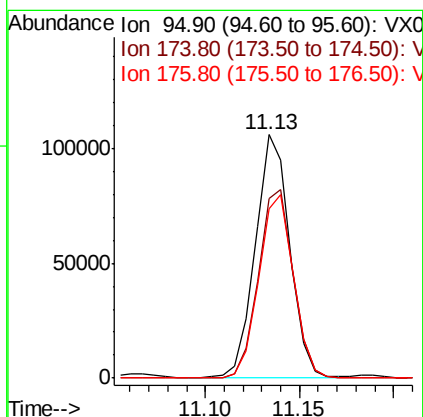
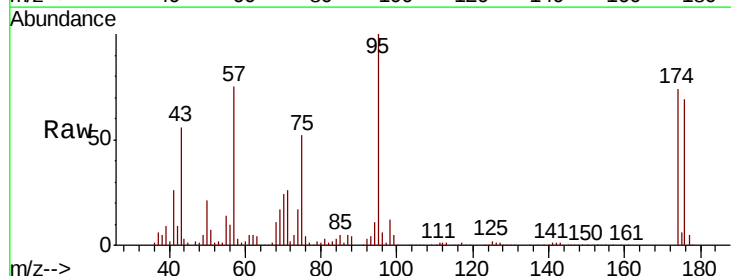
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

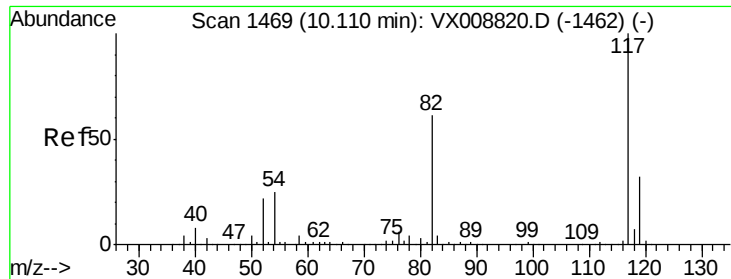
Tot Ion:129 Resp: 38107
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.5 115.3#



#62
 4-Bromofluorobenzene
 Concen: 45.532 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 95 Resp: 133994
 Ion Ratio Lower Upper
 95 100
 174 78.5 0.0 151.8
 176 76.1 0.0 145.8

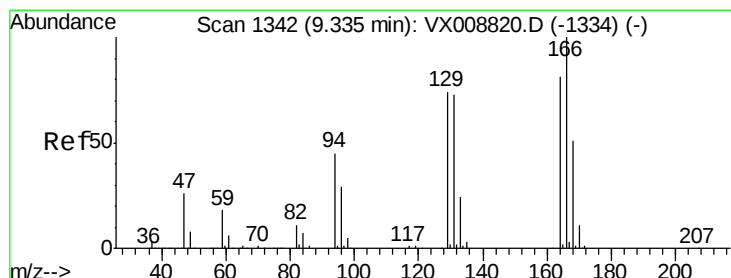
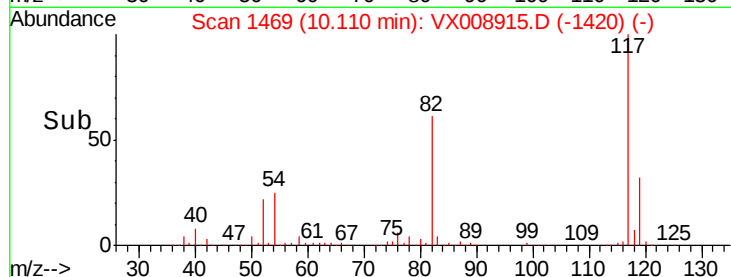
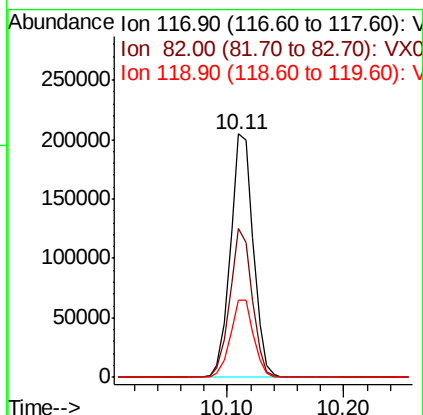
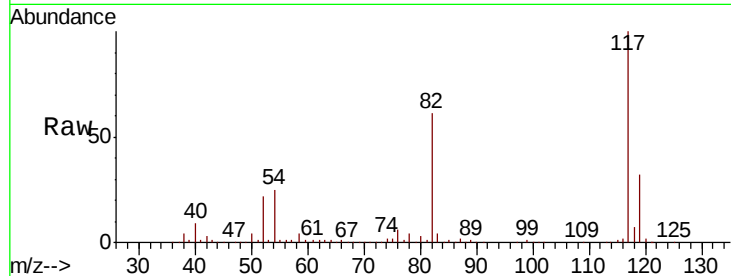




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

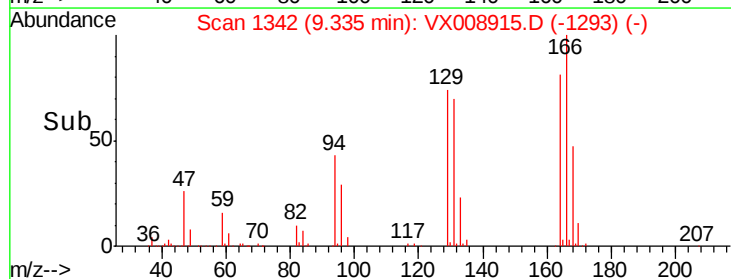
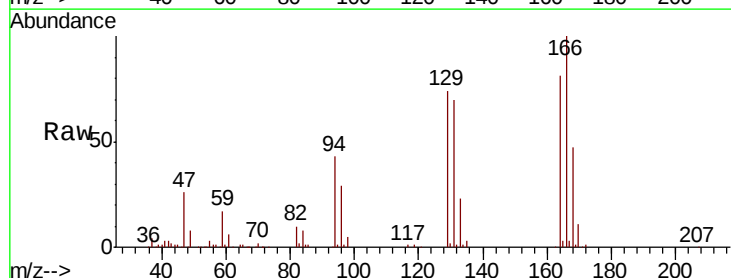
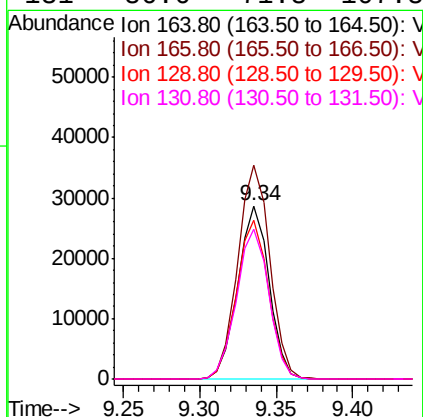
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-2

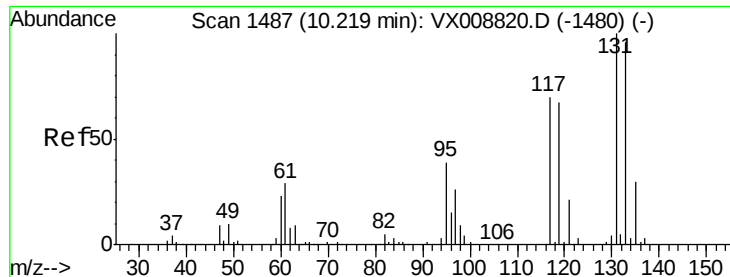
Tot Ion:117 Resp: 279047
Ion Ratio Lower Upper
117 100
82 61.3 49.6 74.4
119 31.8 25.0 37.4



#64
Tetrachloroethene
Concen: 19.657 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion:164 Resp: 40640
Ion Ratio Lower Upper
164 100
166 123.5 101.0 151.6
129 91.8 75.8 113.8
131 86.6 71.8 107.8

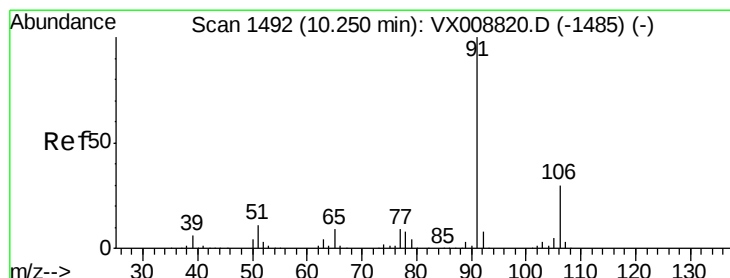
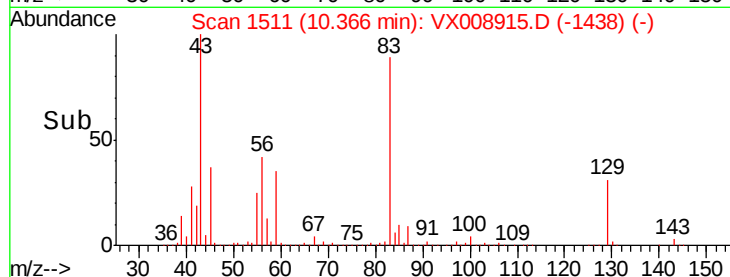
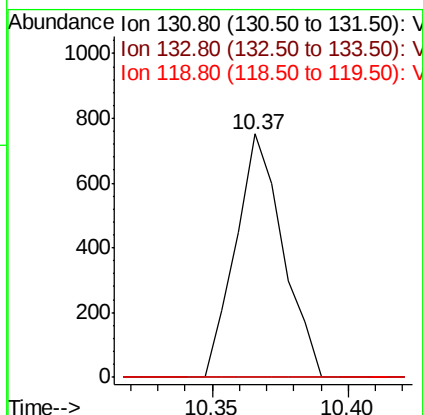
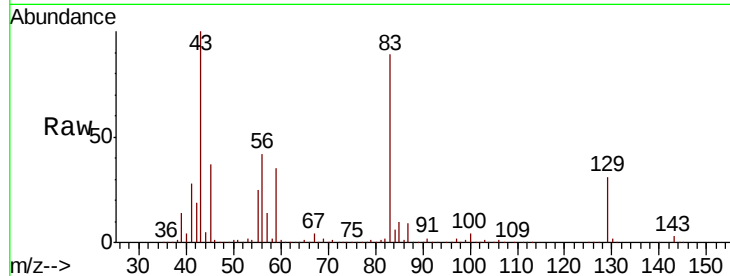




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.417 ug/l
 RT: 10.37 min Scan# 1511
 Delta R.T. 0.15 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

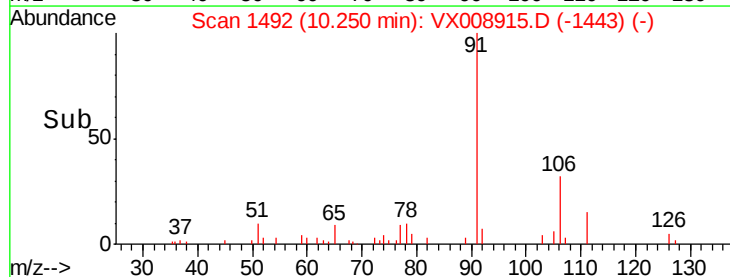
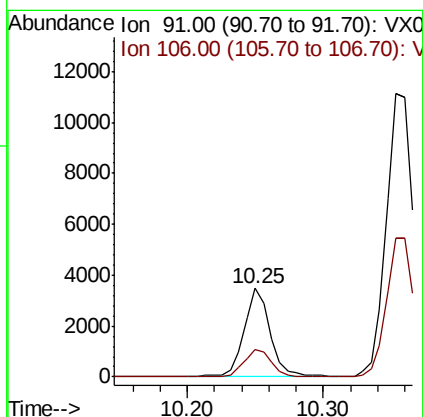
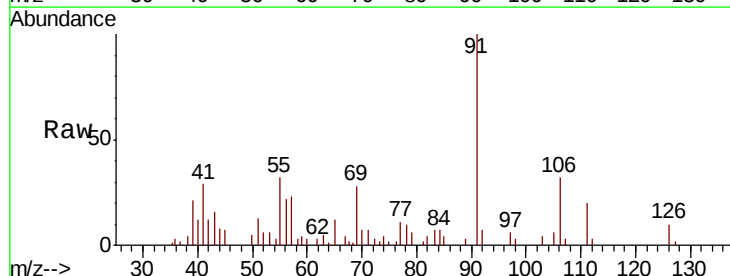
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

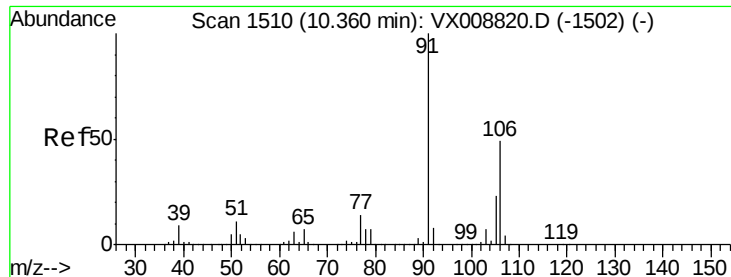
Tot Ion:131 Resp: 905
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.0 141.2#
 119 0.0 33.7 101.0#



#67
 Ethyl Benzene
 Concen: 0.404 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 91 Resp: 4657
 Ion Ratio Lower Upper
 91 100
 106 31.7 23.7 35.5

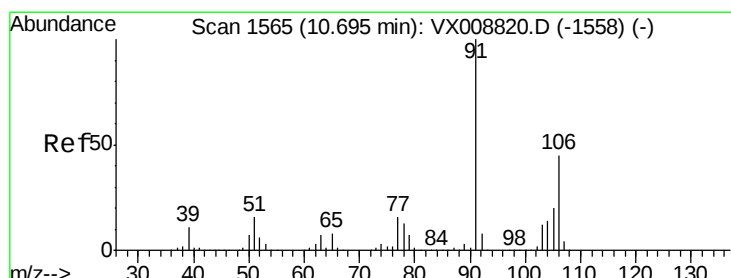
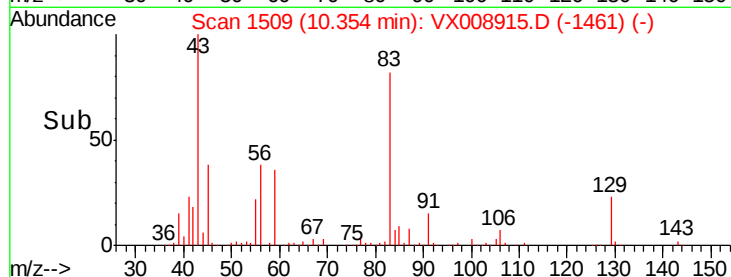
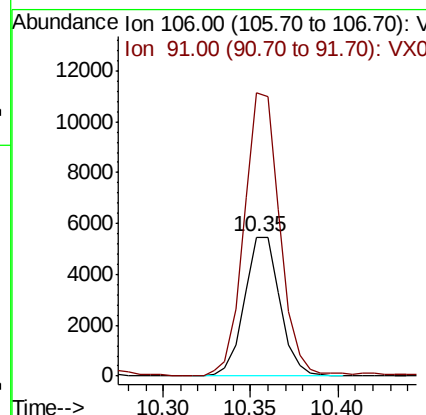
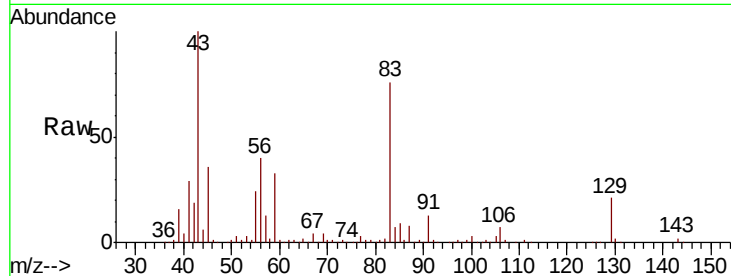




#68
m/p-Xylenes
Concen: 1.865 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

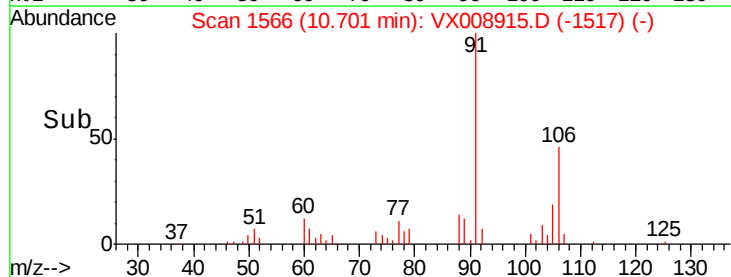
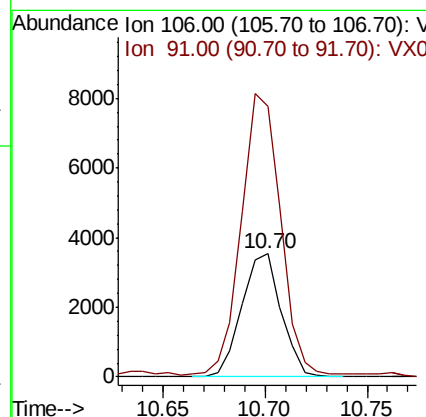
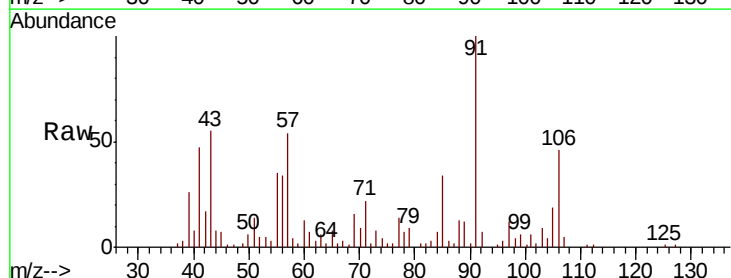
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-2

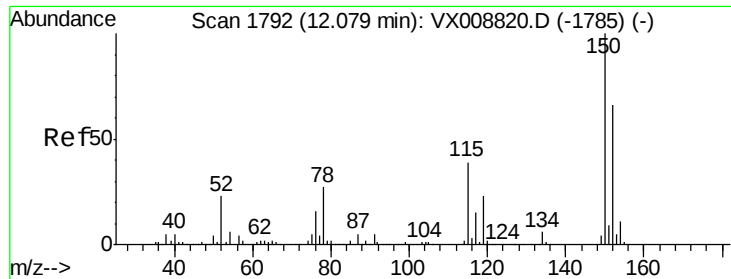
Tot Ion:106 Resp: 7733
Ion Ratio Lower Upper
106 100
91 206.8 168.5 252.7



#69
o-Xylene
Concen: 1.177 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion:106 Resp: 4731
Ion Ratio Lower Upper
106 100
91 229.2 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

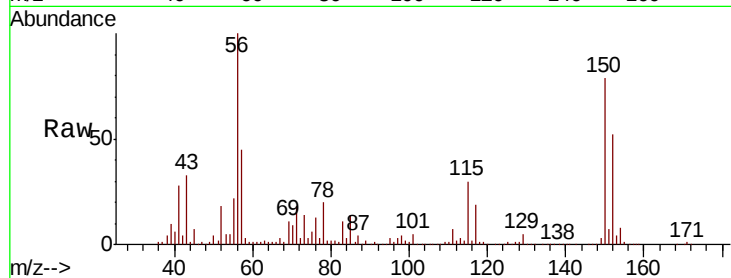
Tot Ion:152 Resp: 114958

Ion Ratio Lower Upper

152 100

115 75.5 43.5 130.5

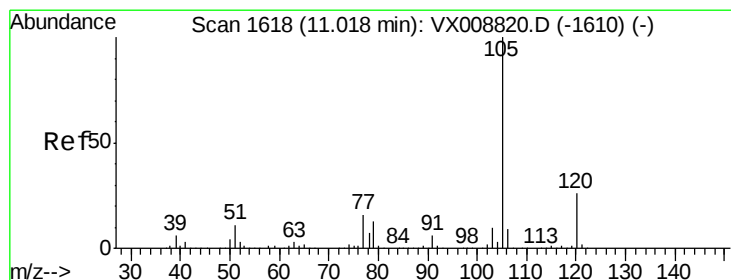
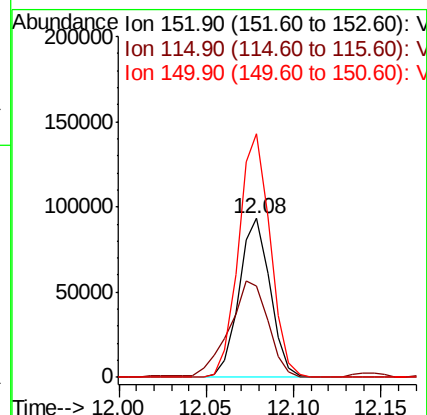
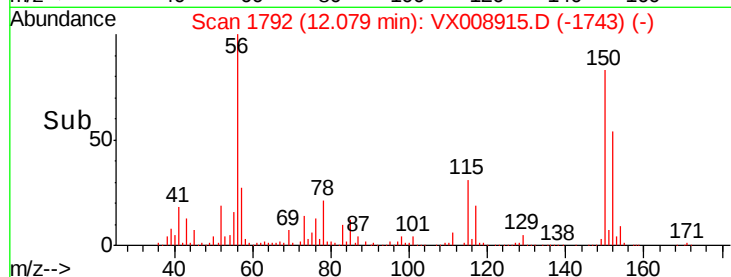
150 155.9 0.0 348.8



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



#73

Isopropylbenzene

Concen: 0.385 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008915.D

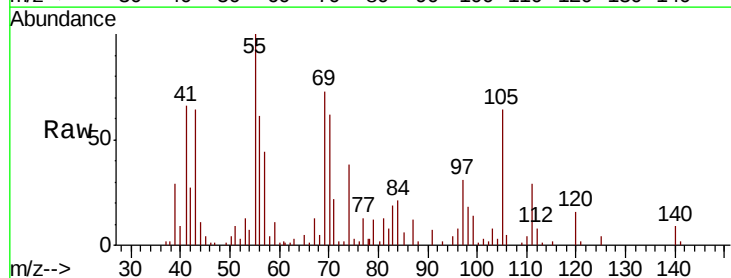
Acq: 13 Apr 2019 03:12

Tgt Ion:105 Resp: 3671

Ion Ratio Lower Upper

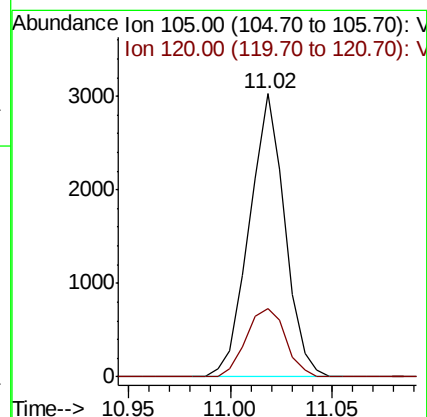
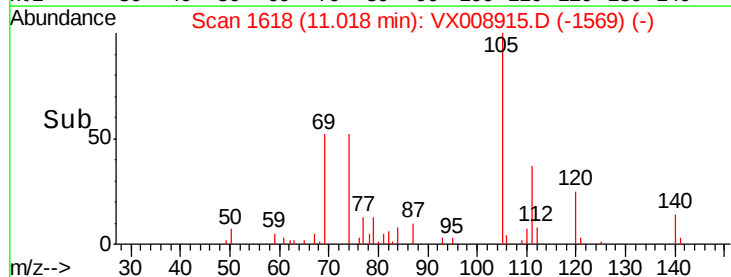
105 100

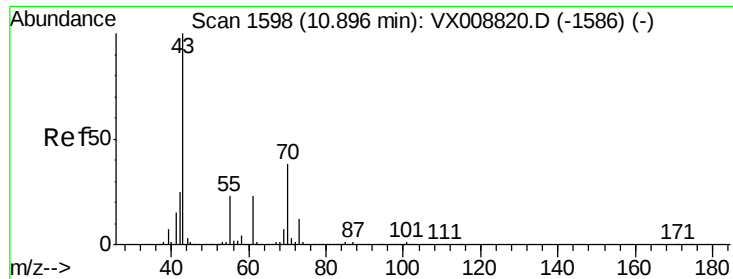
120 26.8 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.568 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

Tot Ion: 43 Resp: 19997

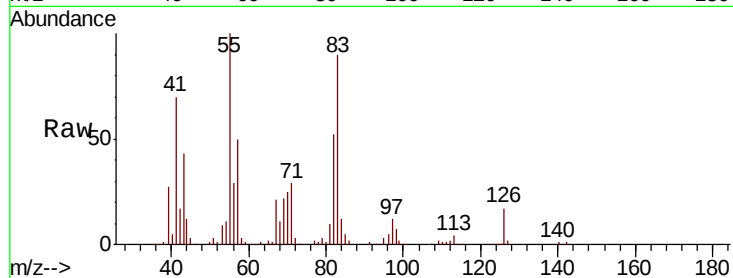
Ion Ratio Lower Upper

43 100

70 79.1 30.2 45.4#

55 228.5 18.2 27.4#

61 0.0 18.6 28.0#

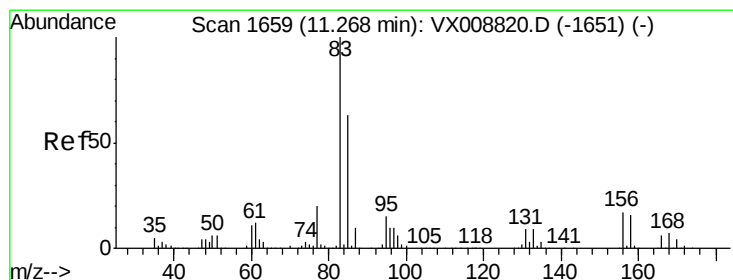
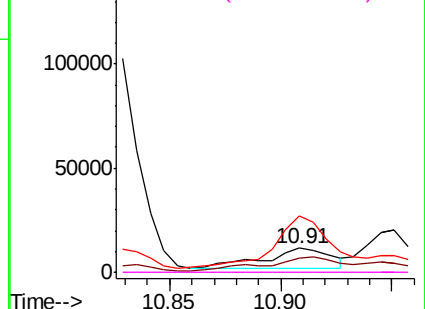
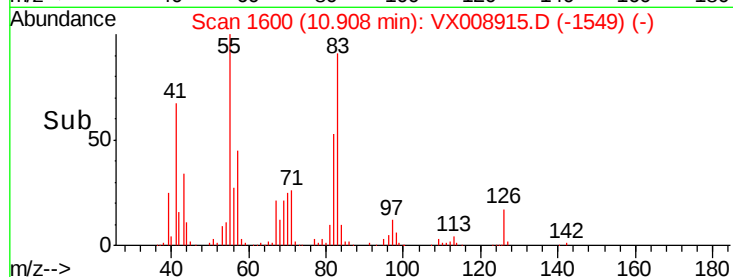


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 3.239 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

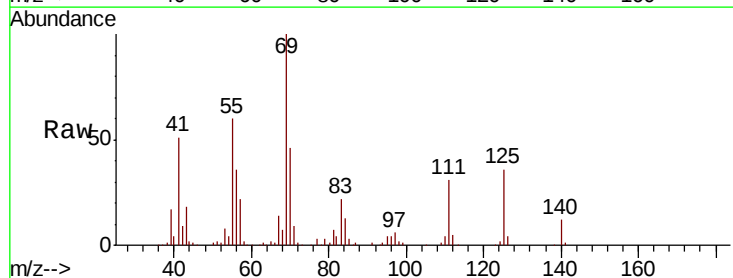
Tgt Ion: 83 Resp: 11736

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

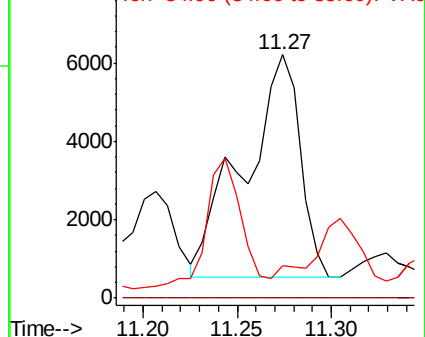
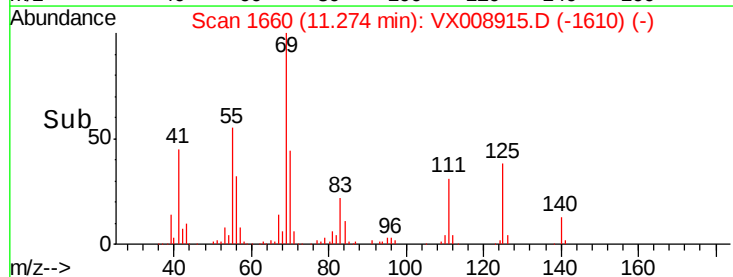
85 0.0 32.0 96.2#

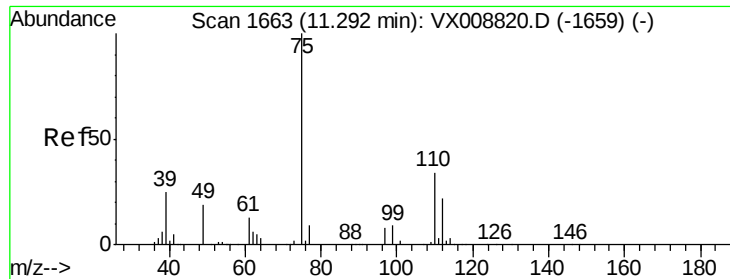


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

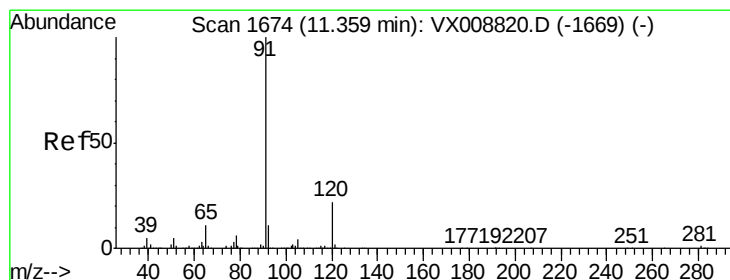
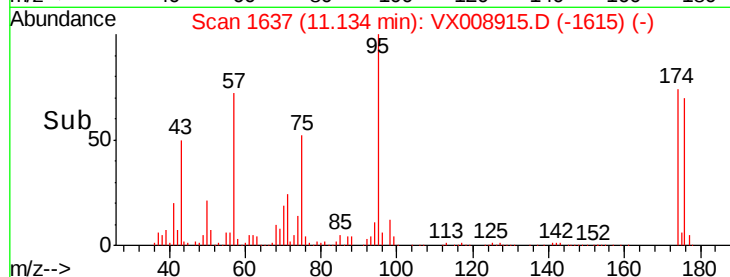
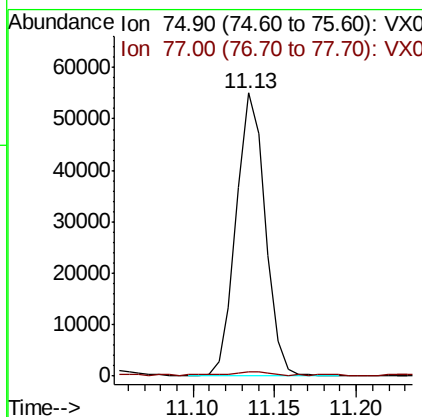
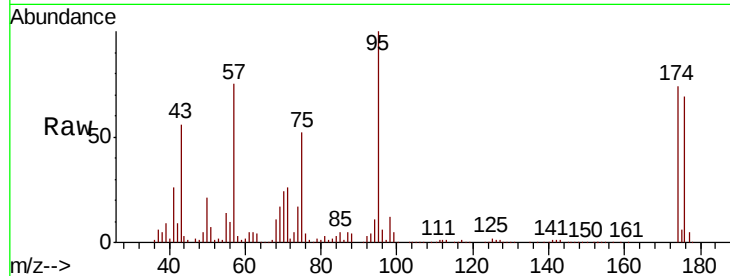




#76
 1,2,3-Trichloropropane
 Concen: 21.662 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

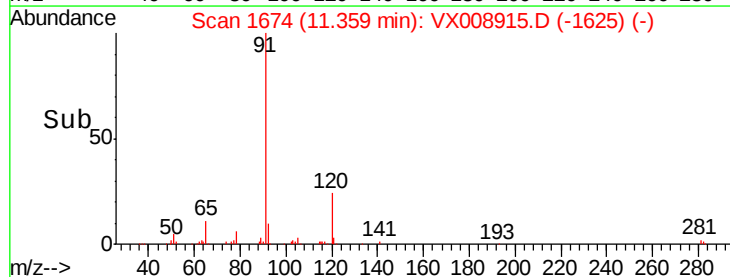
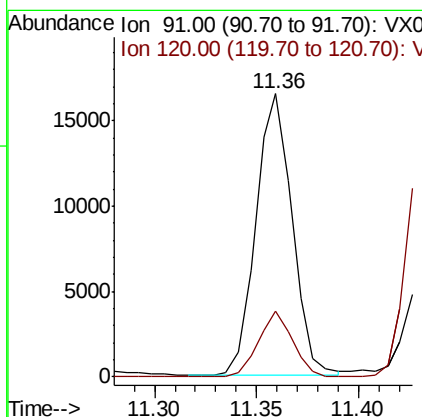
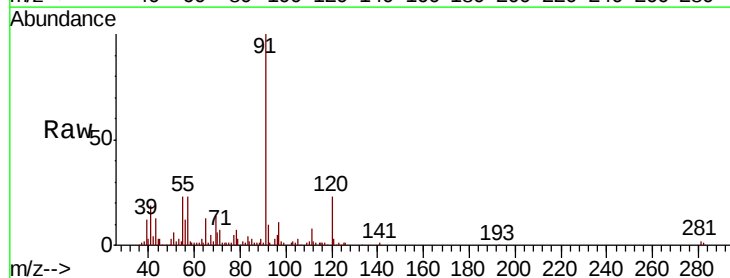
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

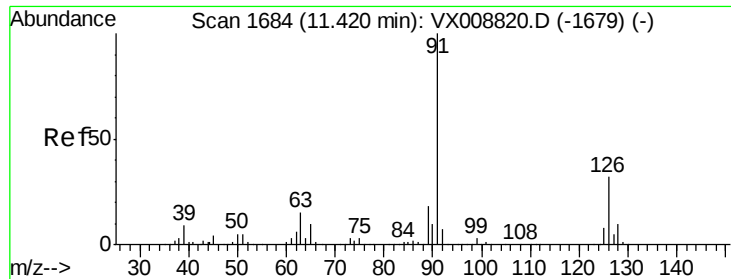
Tot Ion: 75 Resp: 68408
 Ion Ratio Lower Upper
 75 100
 77 1.6 22.3 66.8#



#78
 n-propylbenzene
 Concen: 1.844 ug/l
 RT: 11.36 min Scan# 1674
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion: 91 Resp: 20456
 Ion Ratio Lower Upper
 91 100
 120 21.8 10.9 32.7

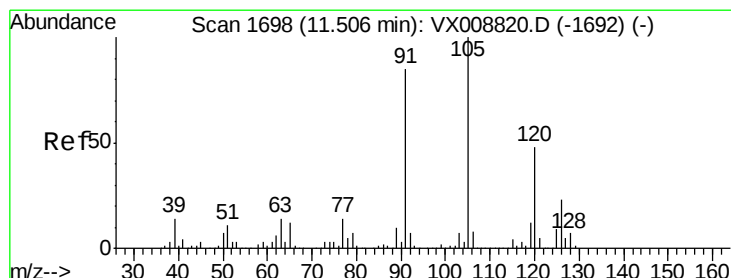
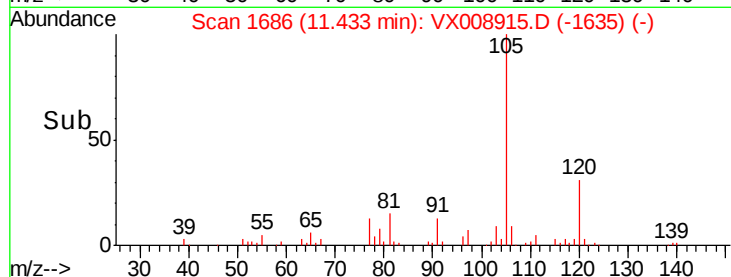
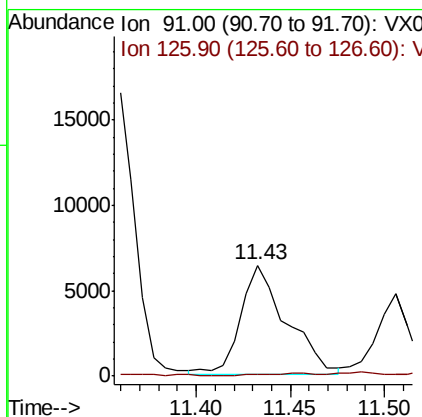
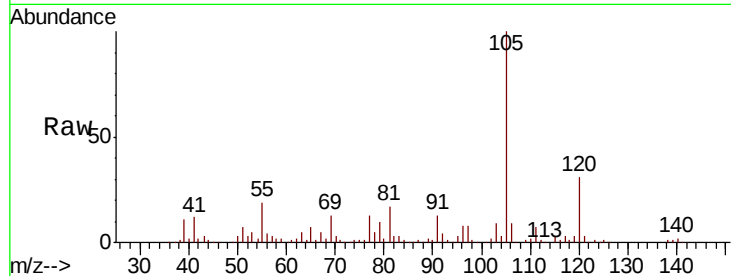




#79
 2-Chlorotoluene
 Concen: 1.610 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

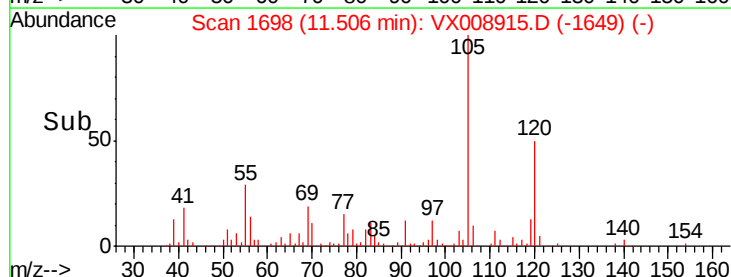
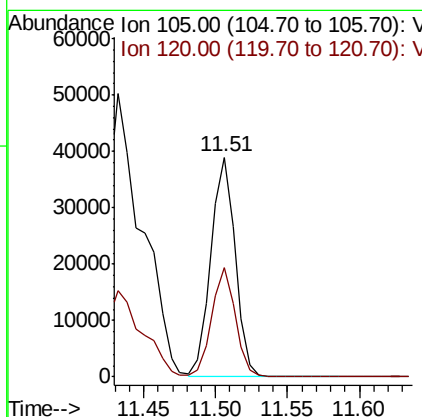
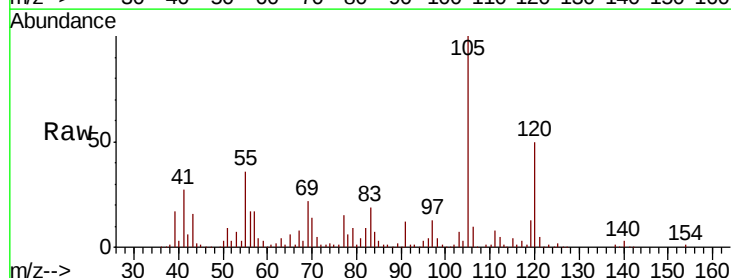
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-2

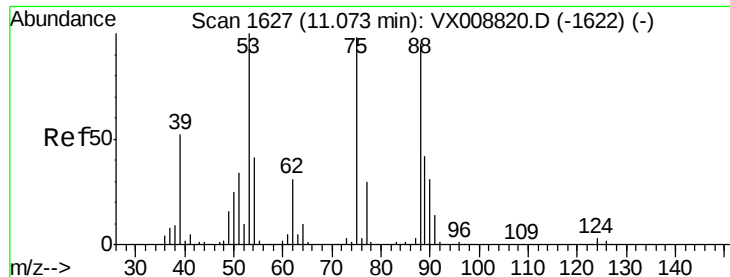
Tot Ion: 91 Resp: 10809
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.1 48.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 5.753 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX008915.D
 Acq: 13 Apr 2019 03:12

Tgt Ion:105 Resp: 46004
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.279 ug/l

RT: 11.05 min Scan# 1623

Delta R.T. -0.02 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-2

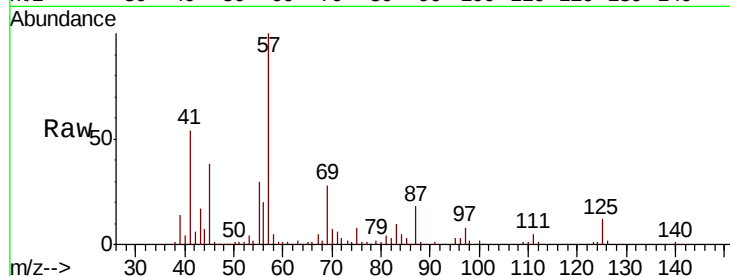
Tot Ion: 75 Resp: 2611

Ion Ratio Lower Upper

75 100

53 44.7 81.3 121.9#

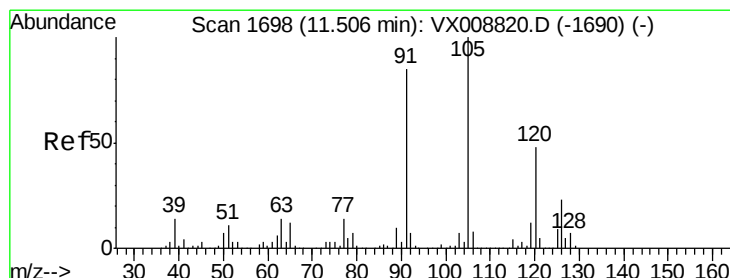
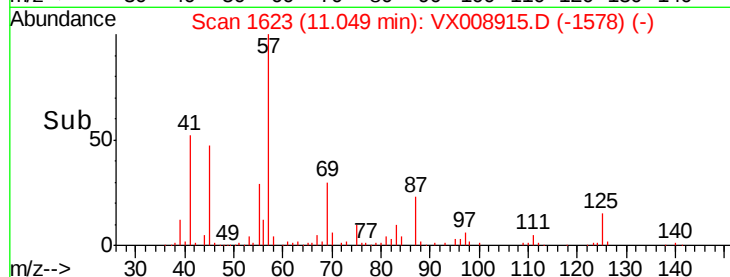
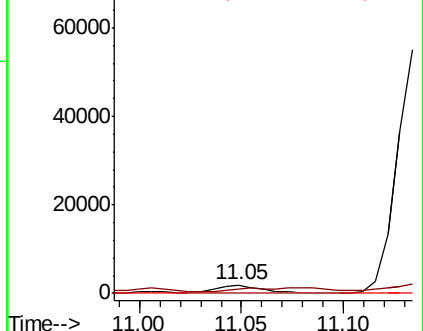
89 7.1 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 0.789 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008915.D

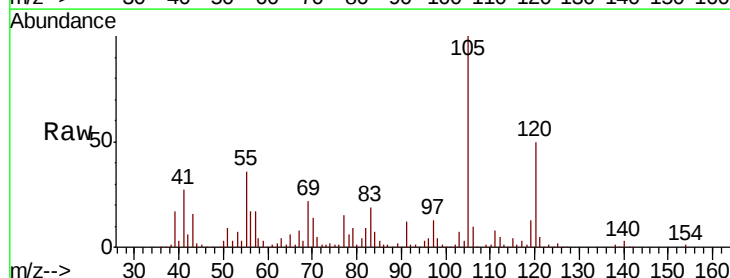
Acq: 13 Apr 2019 03:12

Tgt Ion: 91 Resp: 6130

Ion Ratio Lower Upper

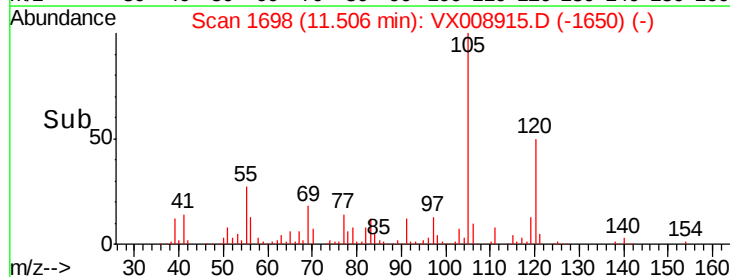
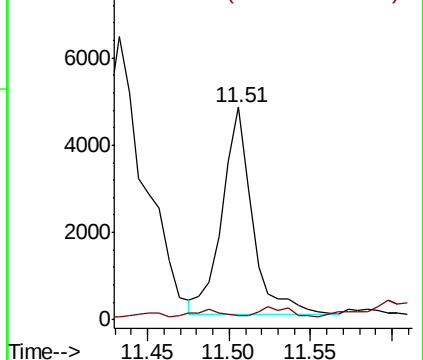
91 100

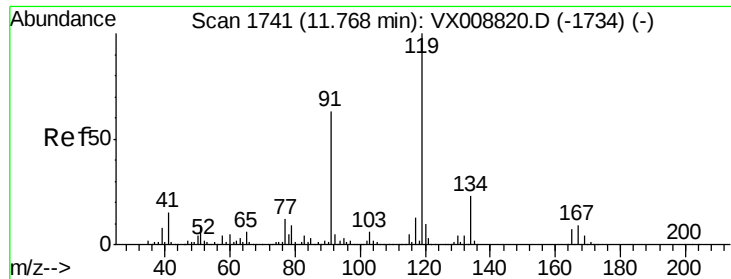
126 4.4 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.876 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.04 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-2

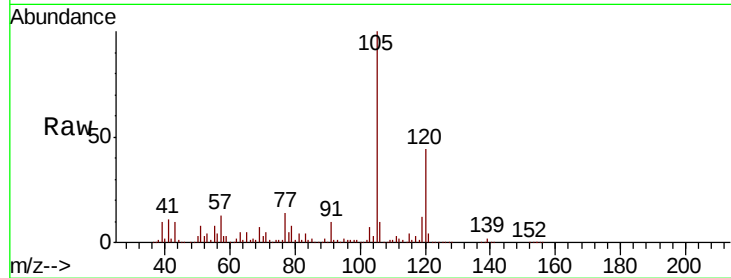
Tot Ion:119 Resp: 22124

Ion Ratio Lower Upper

119 100

91 89.4 30.0 90.1

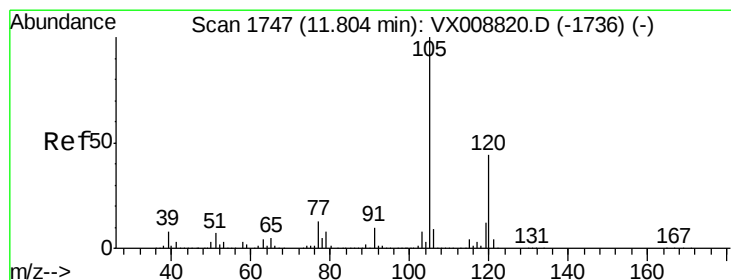
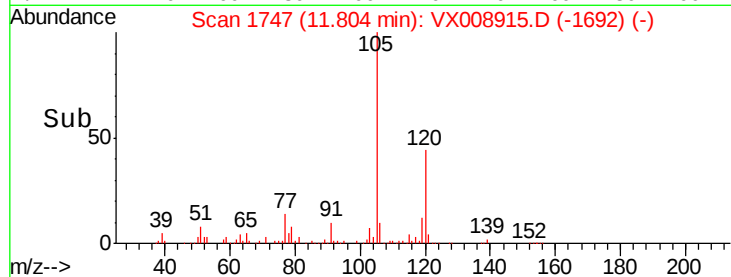
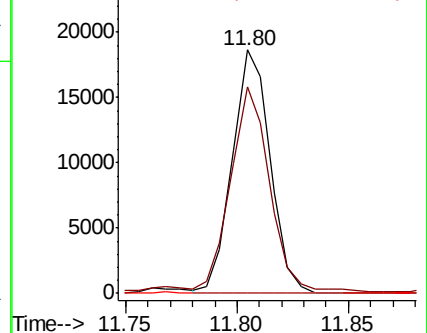
134 0.0 11.1 33.3#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.288 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008915.D

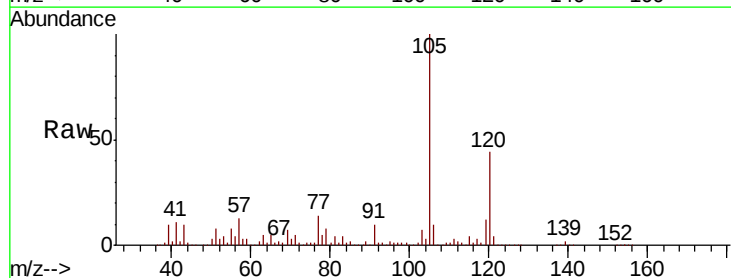
Acq: 13 Apr 2019 03:12

Tgt Ion:105 Resp: 180475

Ion Ratio Lower Upper

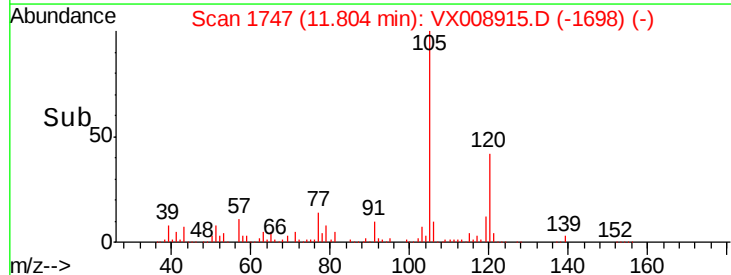
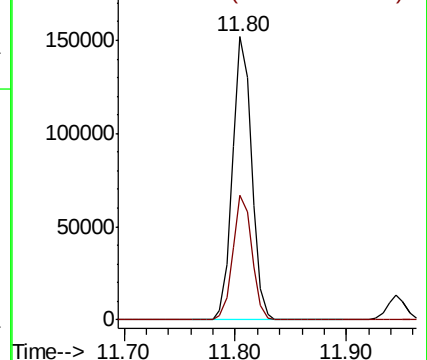
105 100

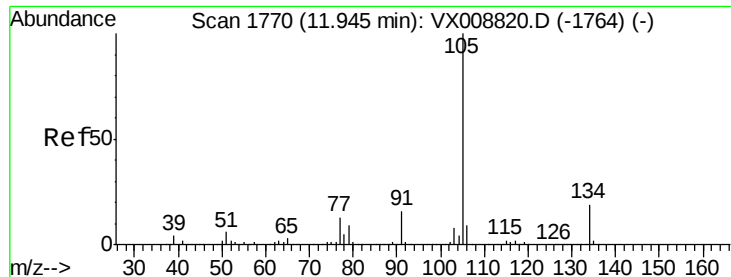
120 43.6 21.8 65.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.727 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampled :

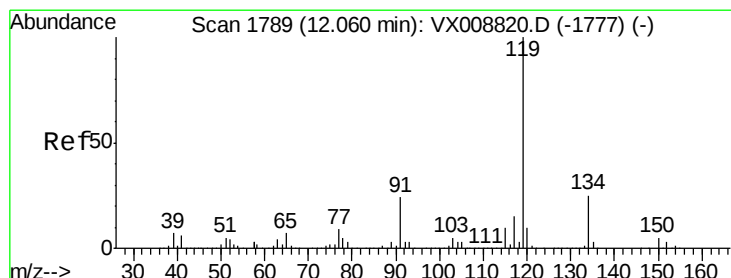
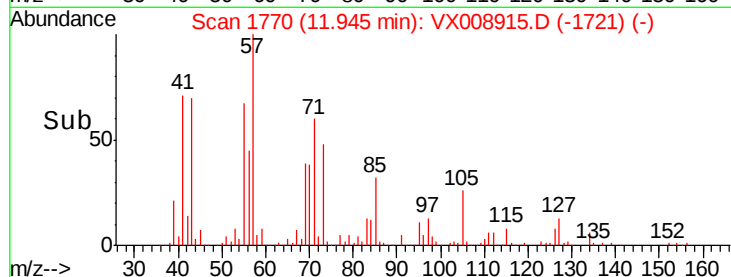
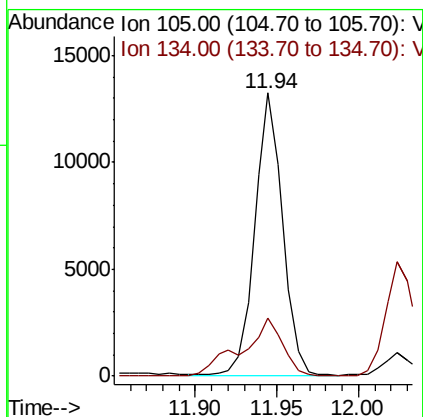
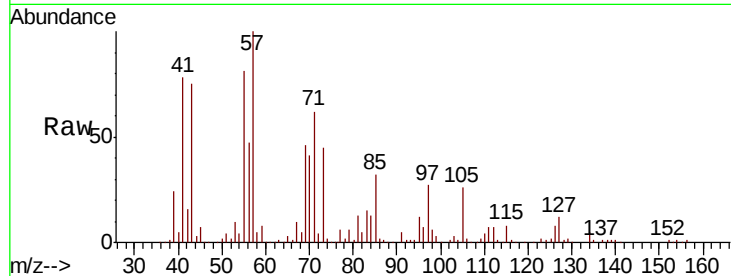
CL-COMP-2

Tot Ion:105 Resp: 15782

Ion Ratio Lower Upper

105 100

134 30.1 9.4 28.2#



#86

p-Isopropyltoluene

Concen: 2.877 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

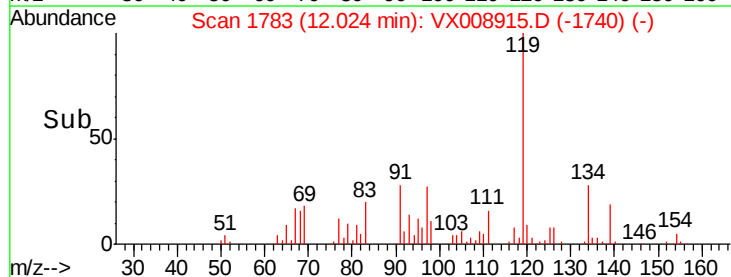
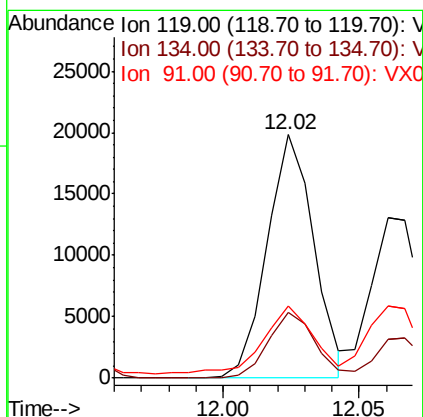
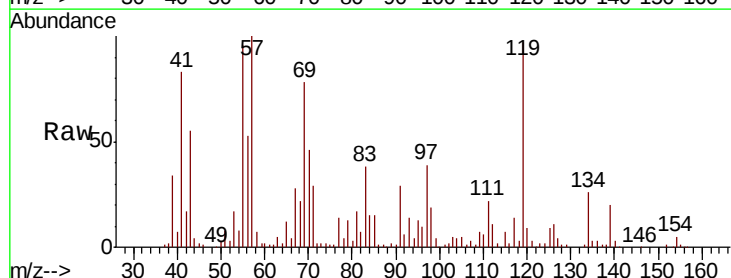
Tgt Ion:119 Resp: 23601

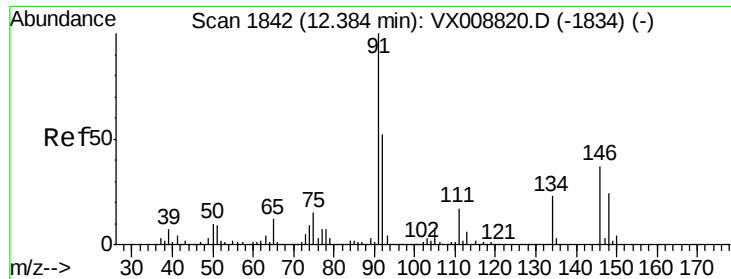
Ion Ratio Lower Upper

119 100

134 27.9 12.8 38.4

91 29.0 12.2 36.6

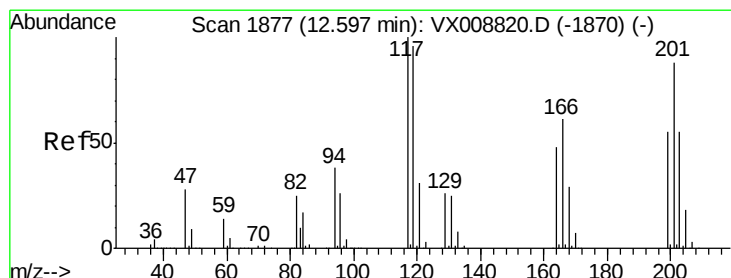
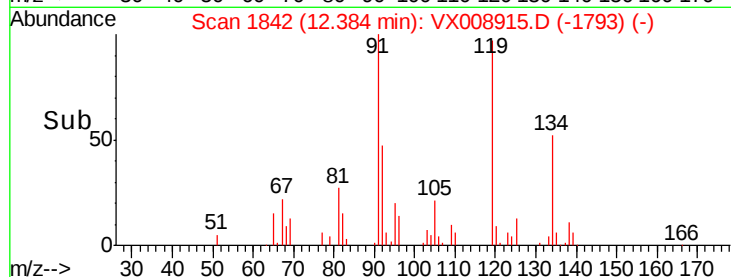
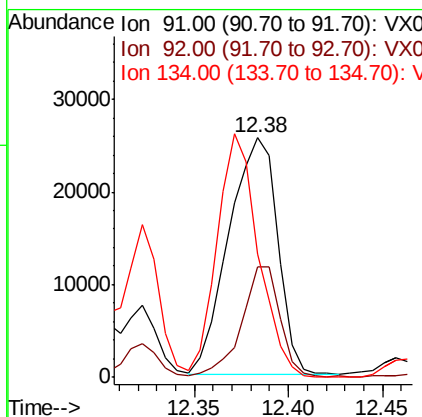
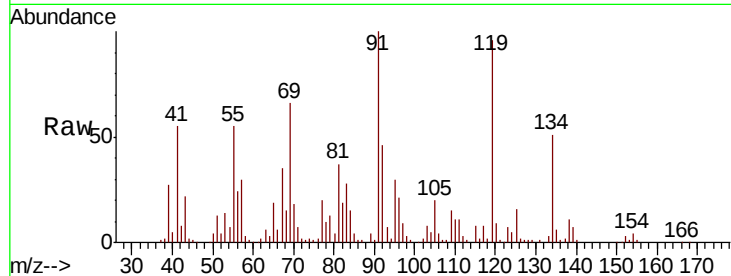




#89
n-Butylbenzene
Concen: 5.981 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

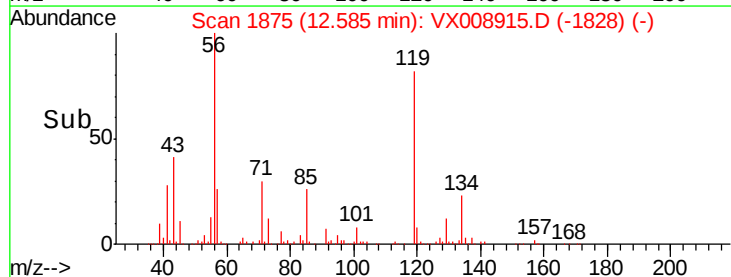
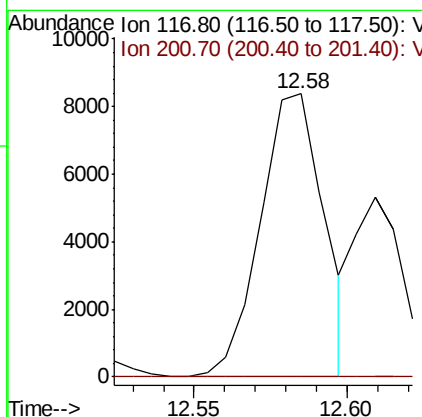
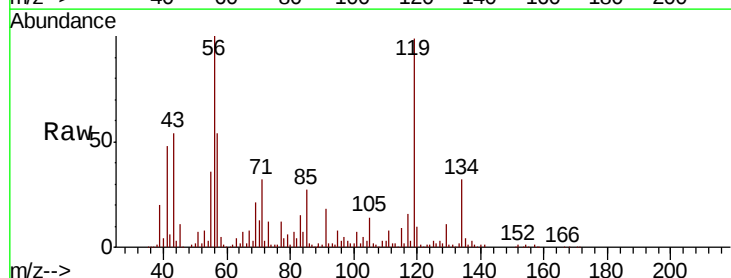
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-2

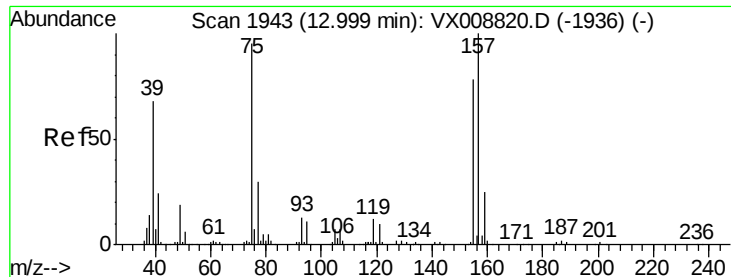
Tot Ion: 91 Resp: 46006
Ion Ratio Lower Upper
91 100
92 36.6 26.4 79.2
134 86.5 12.0 36.0#



#90
Hexachloroethane
Concen: 8.891 ug/l
RT: 12.58 min Scan# 1875
Delta R.T. -0.01 min
Lab File: VX008915.D
Acq: 13 Apr 2019 03:12

Tgt Ion: 117 Resp: 12096
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.359 ug/l

RT: 12.98 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

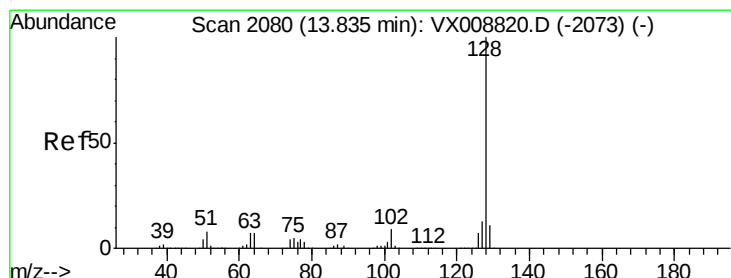
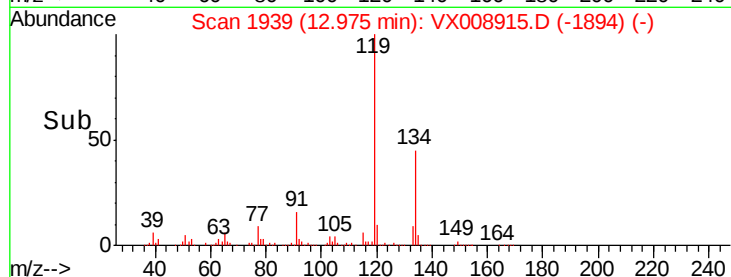
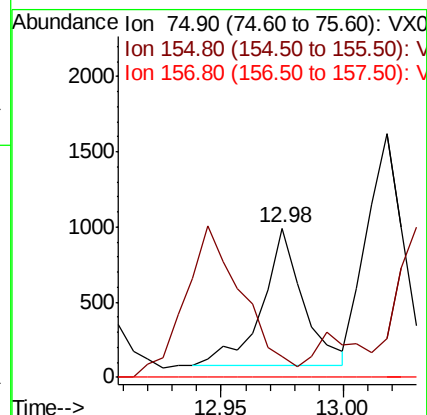
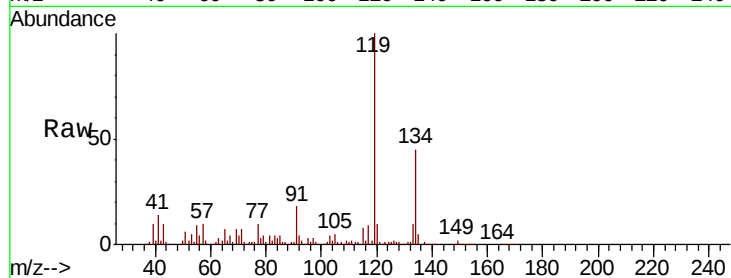
Tot Ion: 75 Resp: 1083

Ion Ratio Lower Upper

75 100

155 28.4 39.9 119.6#

157 0.0 51.5 154.7#



#95

Naphthalene

Concen: 27.522 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

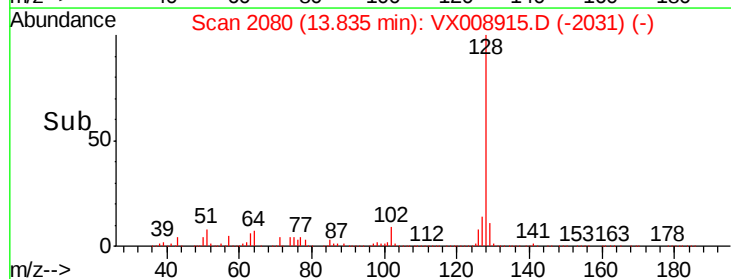
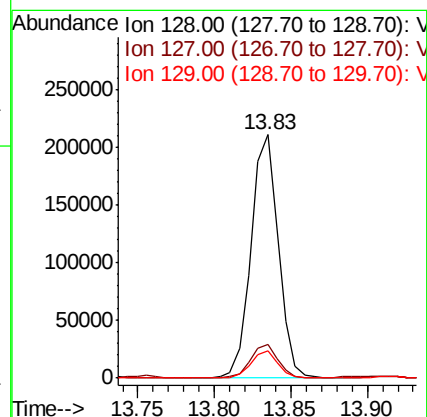
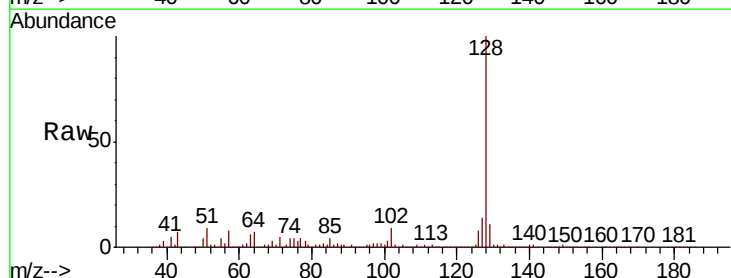
Tgt Ion: 128 Resp: 260361

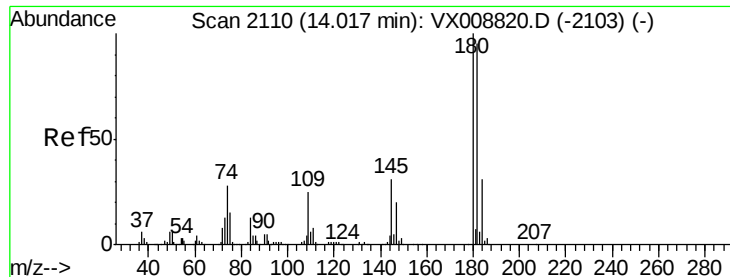
Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 11.3 8.6 13.0





#96

1,2,3-Trichlorobenzene

Concen: 0.492 ug/l

RT: 14.03 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VX008915.D

Acq: 13 Apr 2019 03:12

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-2

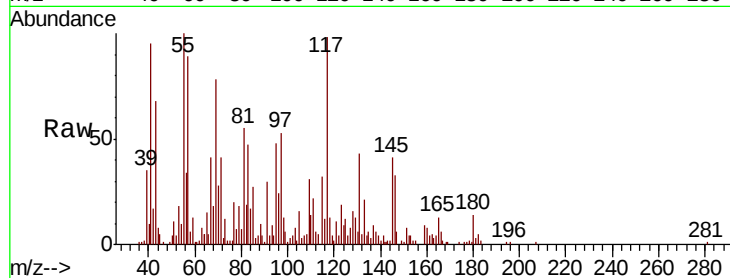
Tot Ion:180 Resp: 1391

Ion Ratio Lower Upper

180 100

182 25.1 48.1 144.3#

145 324.4 16.3 48.8#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

