

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041219\
 Data File : VX008916.D
 Acq On : 13 Apr 2019 03:35
 Operator : JC/SP
 Sample : K2381-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

Quant Time: Apr 13 05:06:56 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	199435	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	318754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	113849	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	129647	44.57	ug/l	0.00
Spiked Amount			Recovery	=	89.14%	
35) Dibromofluoromethane	5.49	113	94296	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
50) Toluene-d8	8.71	98	398843	49.15	ug/l	0.00
Spiked Amount			Recovery	=	98.30%	
62) 4-Bromofluorobenzene	11.13	95	129478	44.99	ug/l	0.00
Spiked Amount			Recovery	=	89.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	507	Below Cal		96
5) Bromomethane	1.64	94	480	2.187	ug/l #	32
6) Chloroethane	1.48	64	2256	Below Cal	#	43
8) Diethyl Ether	2.18	74	376	0.231	ug/l #	1
10) Methyl Iodide	2.51	142	47	4.025	ug/l #	42
11) Tert butyl alcohol	3.05	59	5802	8.520	ug/l #	84
13) Acrolein	2.30	56	12993	38.478	ug/l	98
14) Allyl chloride	2.71	41	1938	0.367	ug/l #	29
16) Acetone	2.45	43	1395399	832.862	ug/l	99
17) Carbon Disulfide	2.57	76	33380	4.338	ug/l	96
18) Methyl Acetate	2.78	43	468363	115.264	ug/l	98
20) Methylene Chloride	2.85	84	1453	0.518	ug/l	93
22) Diisopropyl ether	3.96	45	24939	2.451	ug/l #	1
23) Vinyl Acetate	3.96	43	61112	6.905	ug/l #	76
25) 2-Butanone	4.67	43	174151	65.766	ug/l	98
28) Bromochloromethane	5.02	49	78	Below Cal	#	22
29) Tetrahydrofuran	5.14	42	1170	0.666	ug/l #	69
30) Chloroform	5.21	83	2460	0.547	ug/l	98
36) 1,1-Dichloropropene	5.93	75	1630	0.468	ug/l #	43
37) Ethyl Acetate	4.83	43	966962	207.913	ug/l	99
38) Carbon Tetrachloride	5.66	117	18859	6.540	ug/l #	18
39) Methylcyclohexane	7.46	83	995	0.231	ug/l #	1
41) Methacrylonitrile	4.98	41	6357	2.378	ug/l #	28
43) Isopropyl Acetate	6.46	43	5919	0.812	ug/l #	75
44) Trichloroethene	7.21	130	568	0.235	ug/l	72
48) Methyl methacrylate	7.76	41	989	0.268	ug/l #	49
49) 1,4-Dioxane	7.74	88	2315	33.532	ug/l #	19
51) 4-Methyl-2-Pentanone	8.62	43	402249	85.768	ug/l #	38
52) Toluene	8.79	92	11838	1.934	ug/l	92
55) 1,1,2-Trichloroethane	9.16	97	857	0.349	ug/l #	19
59) 2-Hexanone	9.44	43	266350	73.077	ug/l #	26
60) Dibromochloromethane	9.34	129	42720	18.455	ug/l #	11
64) Tetrachloroethene	9.34	164	45302	22.448	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.37	131	696	0.329	ug/l #	8

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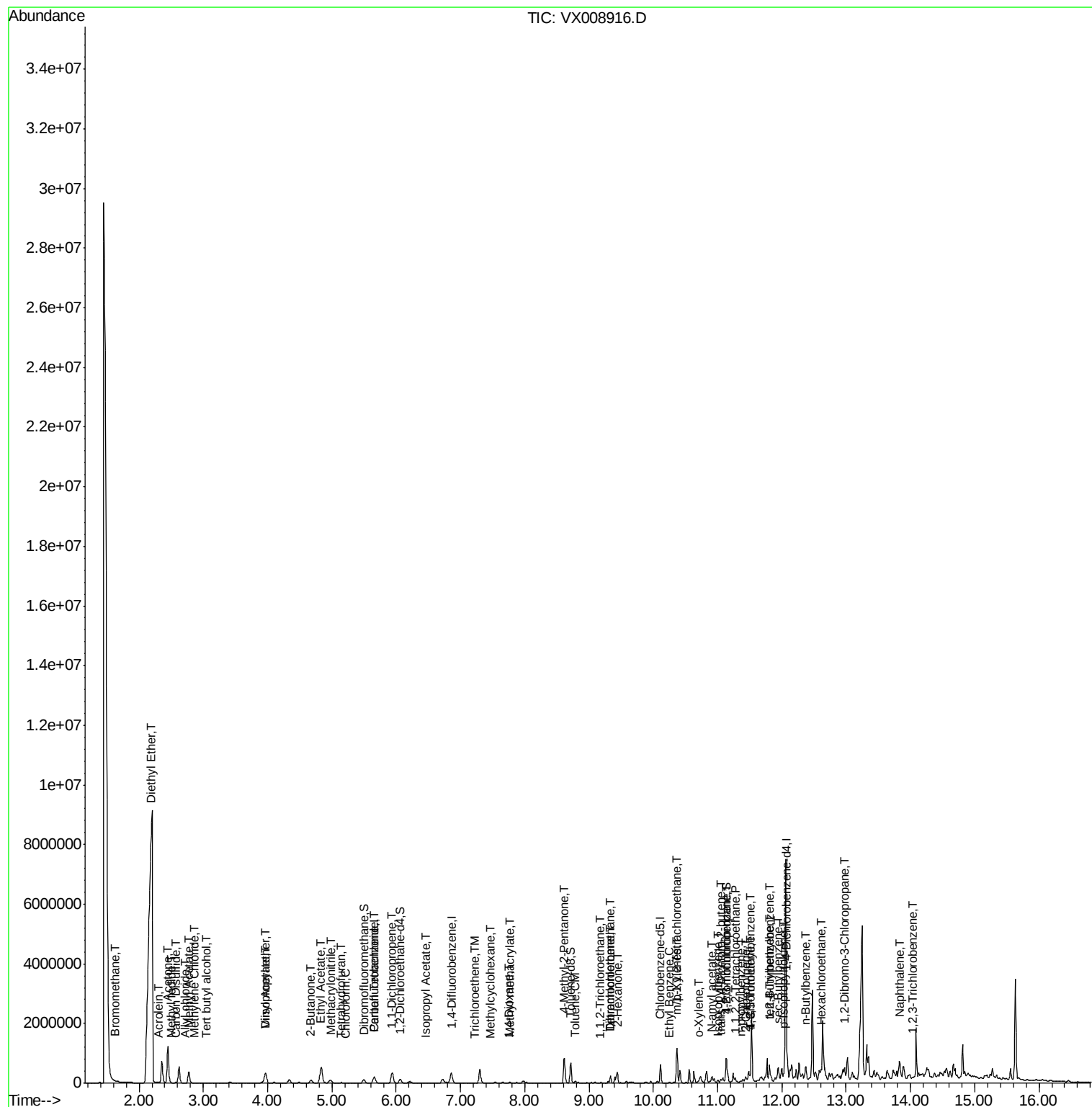
67) Ethyl Benzene	10.25	91	5052	0.449	ug/l	96
68) m/p-Xylenes	10.35	106	8099	2.001	ug/l	98
69) o-Xylene	10.69	106	4897	1.248	ug/l	95
73) Isopropylbenzene	11.02	105	4056	0.430	ug/l	98
74) N-amyl acetate	10.91	43	20778	3.743	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.27	83	8355	2.328	ug/l #	25
76) 1,2,3-Trichloropropane	11.13	75	65769	21.029	ug/l #	34
78) n-propylbenzene	11.36	91	21813	1.986	ug/l	99
79) 2-Chlorotoluene	11.43	91	11589	1.743	ug/l #	48
80) 1,3,5-Trimethylbenzene	11.51	105	48503	6.124	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	2672	2.355	ug/l #	41
82) 4-Chlorotoluene	11.51	91	6254	0.813	ug/l #	56
83) tert-Butylbenzene	11.80	119	23666	3.106	ug/l #	63
84) 1,2,4-Trimethylbenzene	11.80	105	190006	23.693	ug/l	99
85) sec-Butylbenzene	11.94	105	16900	1.867	ug/l	96
86) p-Isopropyltoluene	12.02	119	25427	3.130	ug/l	94
89) n-Butylbenzene	12.38	91	50363	6.611	ug/l #	45
90) Hexachloroethane	12.61	117	6331	4.699	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	12.97	75	1310	1.660	ug/l #	4
95) Naphthalene	13.83	128	279233	29.805	ug/l	99
96) 1,2,3-Trichlorobenzene	14.03	180	1865	0.666	ug/l #	1

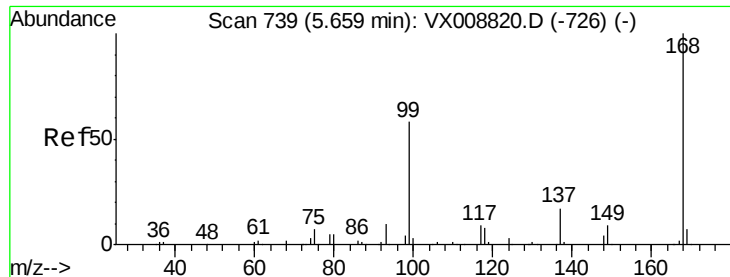
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

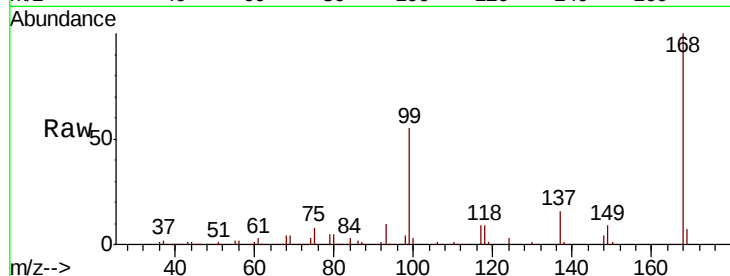
CL-COMP-3

Tot Ion:168 Resp: 199435

Ion Ratio Lower Upper

168 100

99 55.4 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

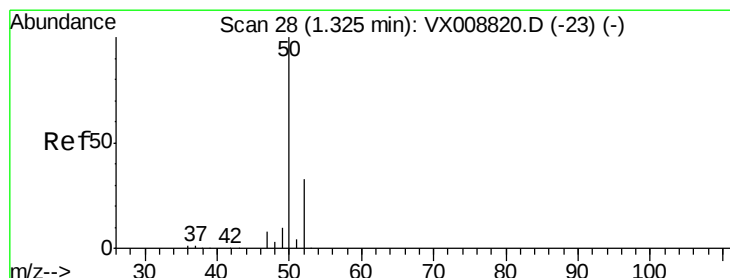
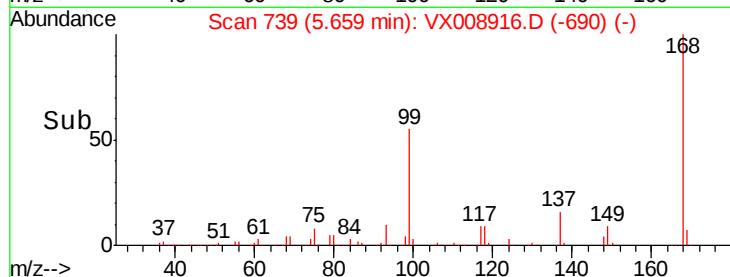
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008916.D

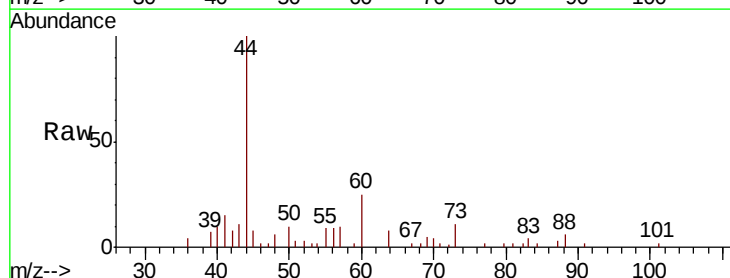
Acq: 13 Apr 2019 03:35

Tgt Ion: 50 Resp: 507

Ion Ratio Lower Upper

50 100

52 30.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

300

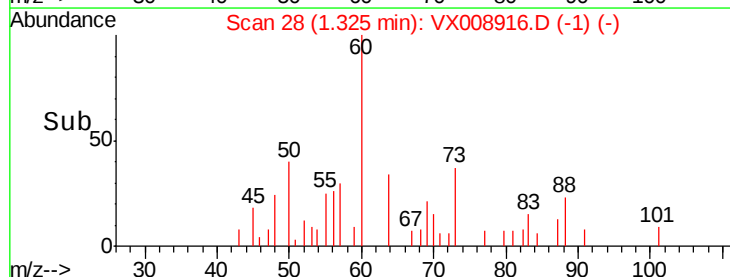
200

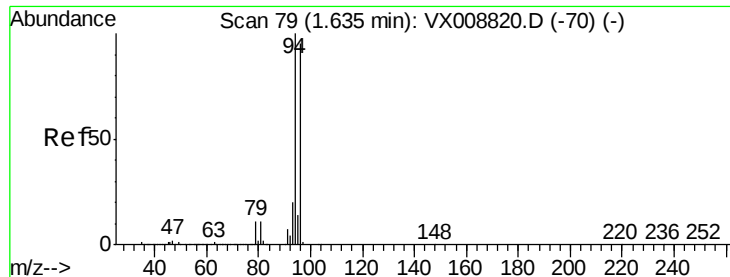
100

0

Time-->

1.28 1.30 1.32 1.34 1.36





#5

Bromomethane

Concen: 2.187 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

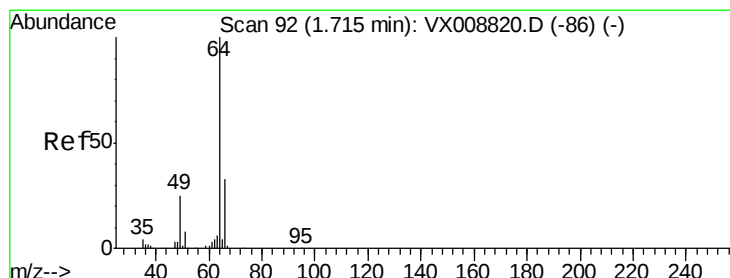
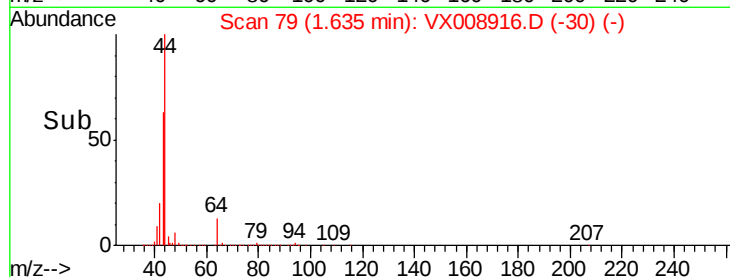
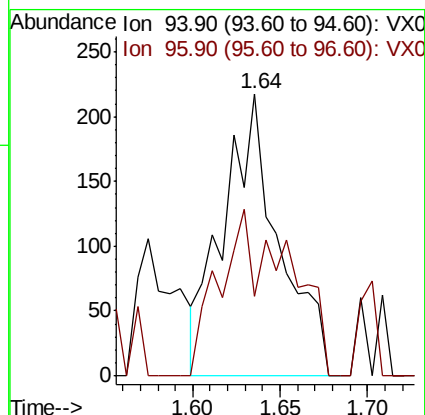
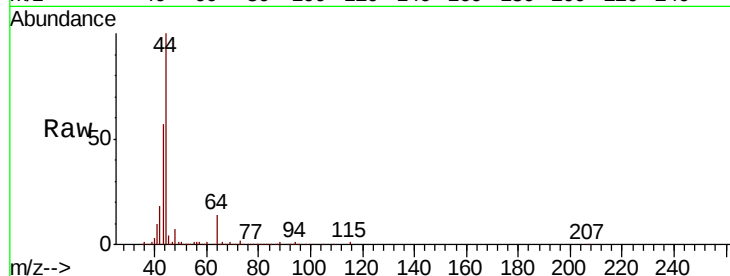
CL-COMP-3

Tot Ion: 94 Resp: 480

Ion Ratio Lower Upper

94 100

96 28.0 75.2 112.8#



#6

Chloroethane

Concen: Below Cal

RT: 1.48 min Scan# 54

Delta R.T. -0.23 min

Lab File: VX008916.D

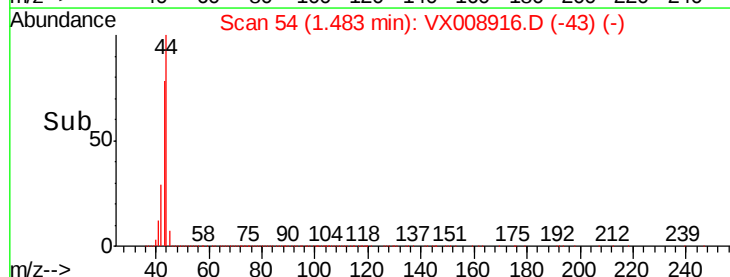
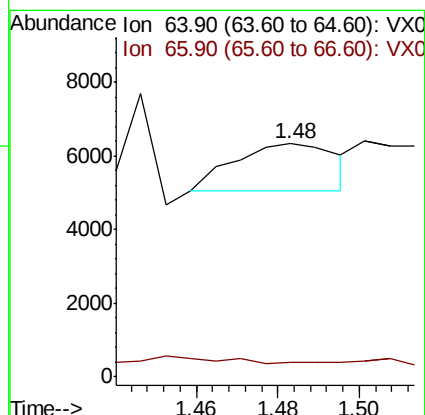
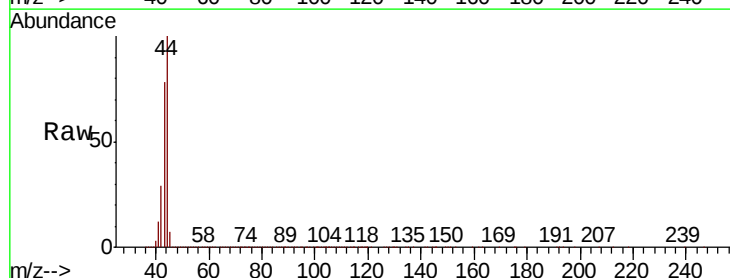
Acq: 13 Apr 2019 03:35

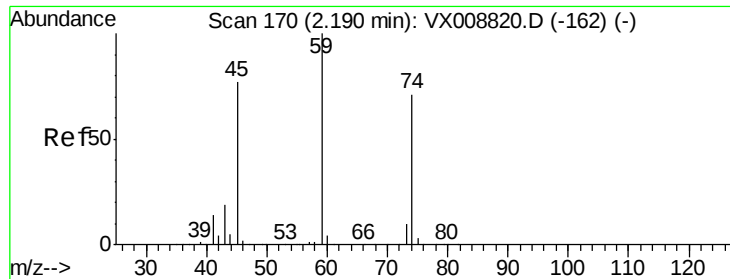
Tgt Ion: 64 Resp: 2256

Ion Ratio Lower Upper

64 100

66 0.3 25.4 38.0#





#8

Diethyl Ether

Concen: 0.231 ug/l

RT: 2.18 min Scan# 168

Delta R.T. -0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

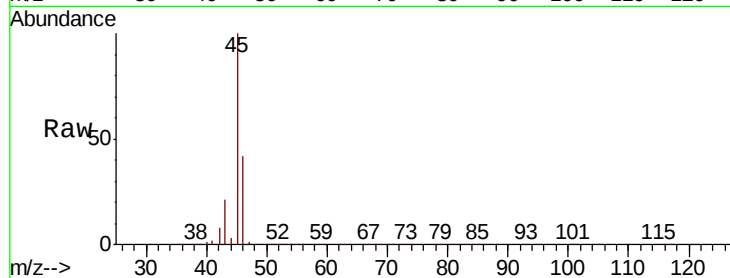
CL-COMP-3

Tot Ion: 74 Resp: 376

Ion Ratio Lower Upper

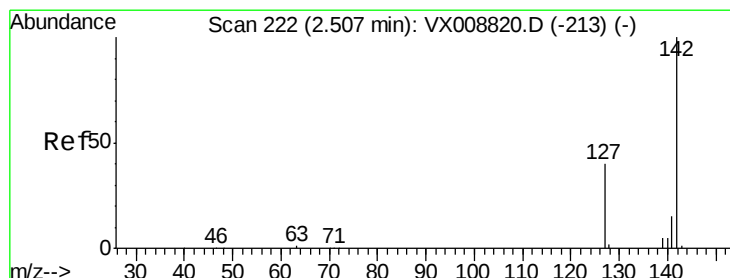
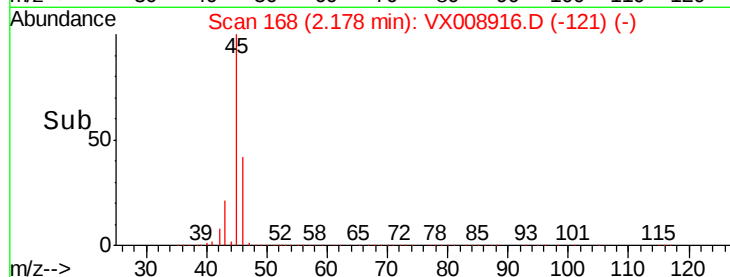
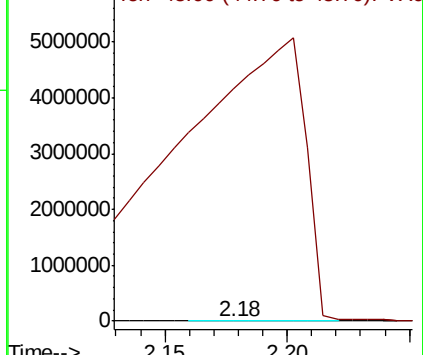
74 100

45 0.0 56.5 169.5#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 4.025 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

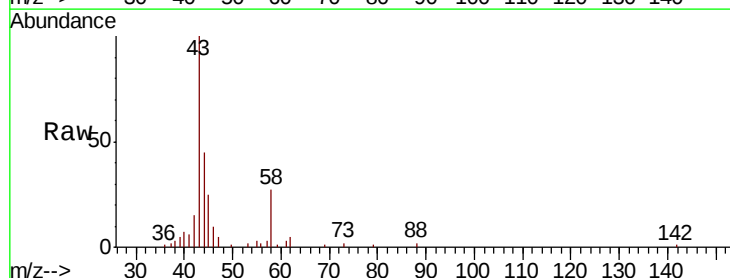
Tgt Ion: 142 Resp: 47

Ion Ratio Lower Upper

142 100

127 0.0 33.0 49.6#

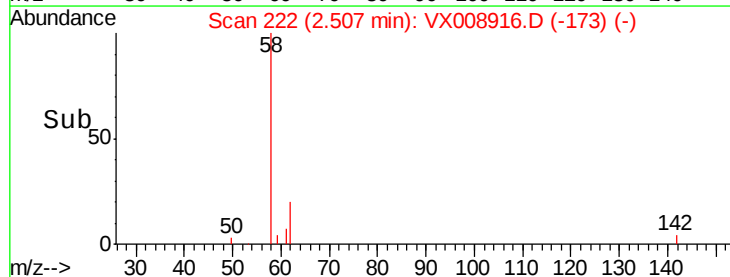
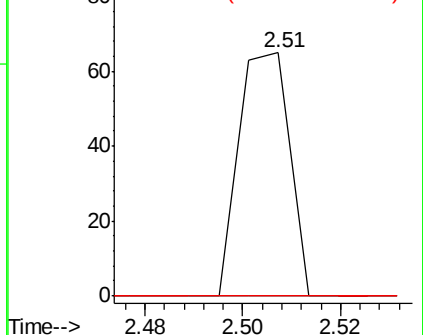
141 0.0 11.4 17.2#

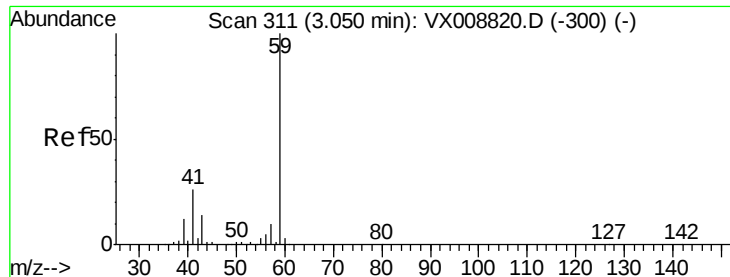


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

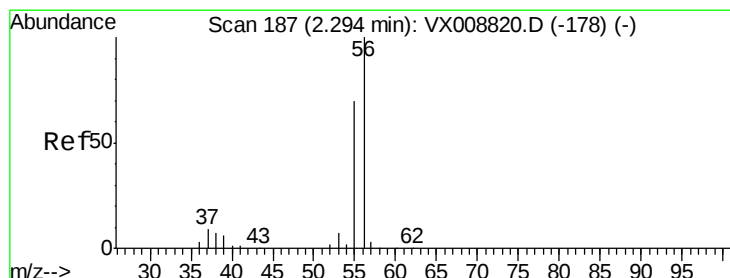
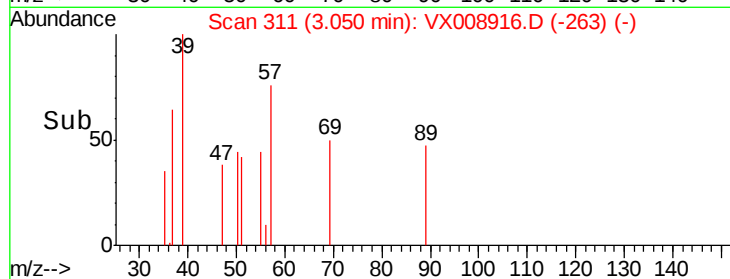
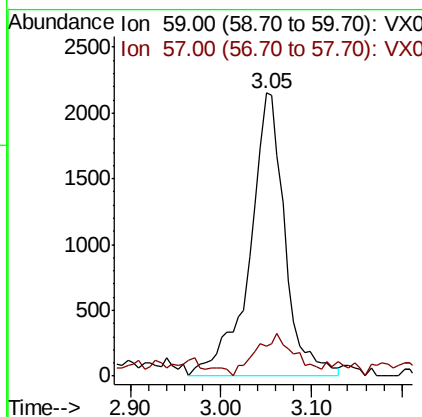
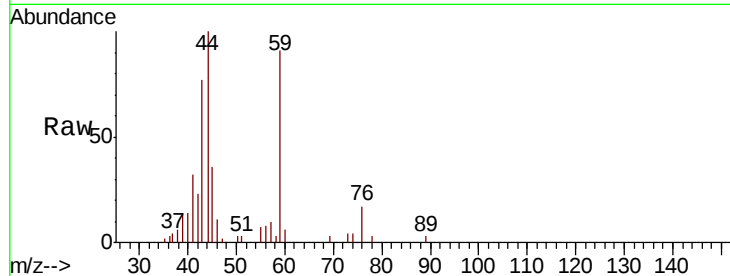




#11
Tert butyl alcohol
Concen: 8.520 ug/l
RT: 3.05 min Scan# 311
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

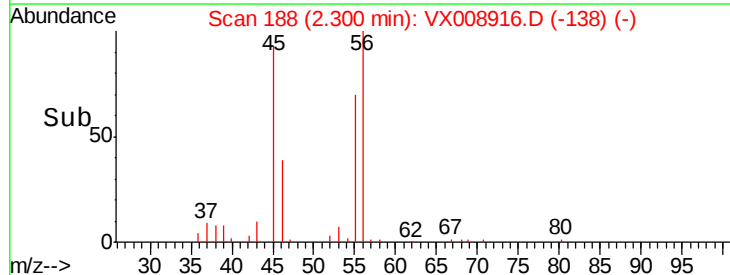
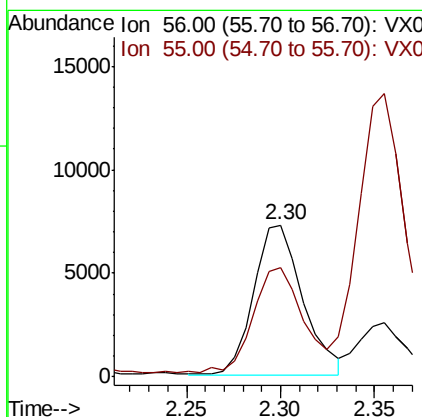
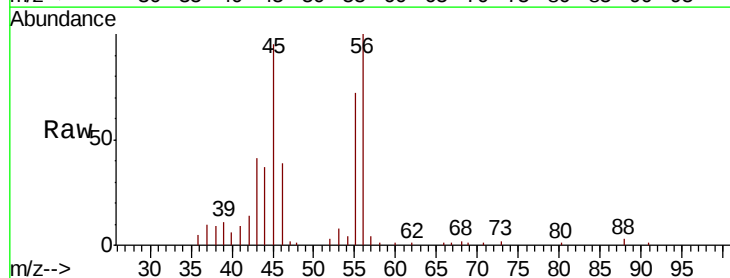
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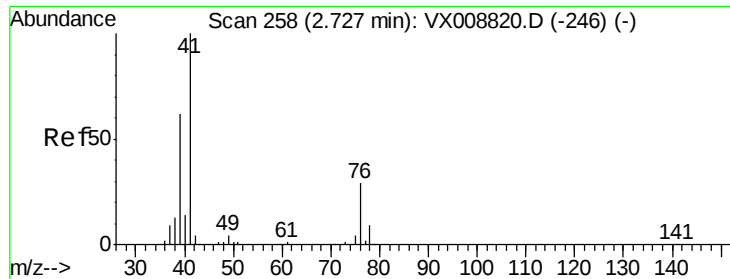
Tot Ion: 59 Resp: 5802
Ion Ratio Lower Upper
59 100
57 16.4 8.3 12.5#



#13
Acrolein
Concen: 38.478 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 56 Resp: 12993
Ion Ratio Lower Upper
56 100
55 71.0 58.0 87.0





#14

Allvl chloride

Concen: 0.367 ug/l

RT: 2.71 min Scan# 255

Delta R.T. -0.02 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-3

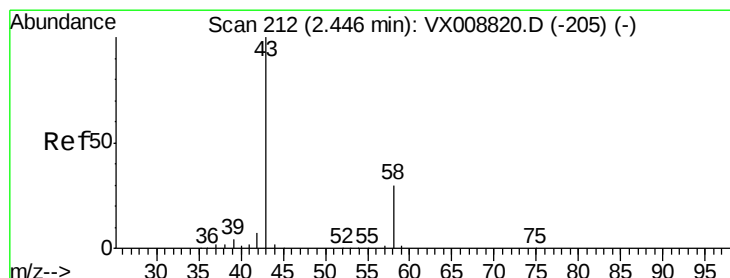
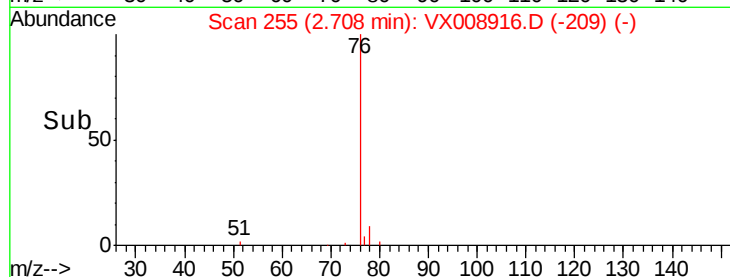
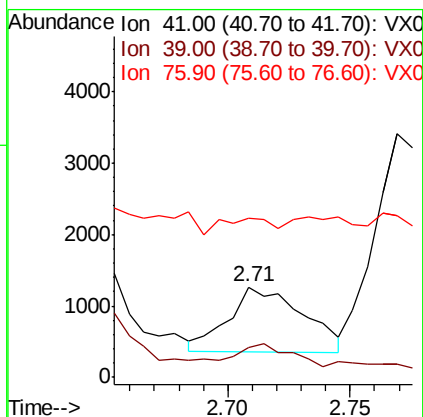
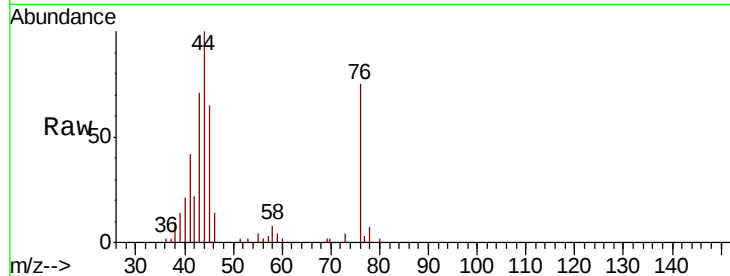
Tot Ion: 41 Resp: 1938

Ion Ratio Lower Upper

41 100

39 0.0 48.0 72.0#

76 0.0 22.0 33.0#



#16

Acetone

Concen: 832.862 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008916.D

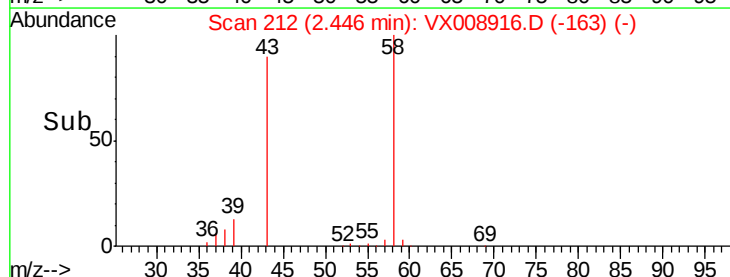
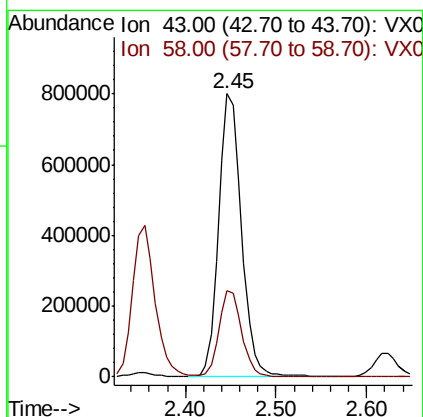
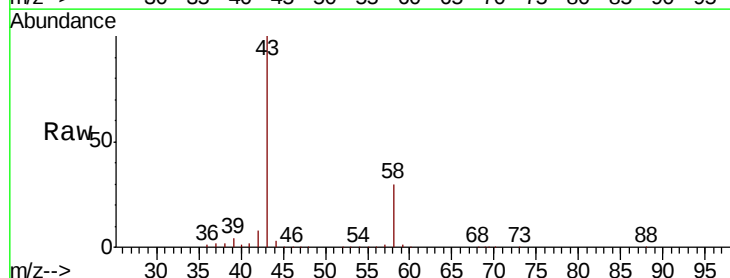
Acq: 13 Apr 2019 03:35

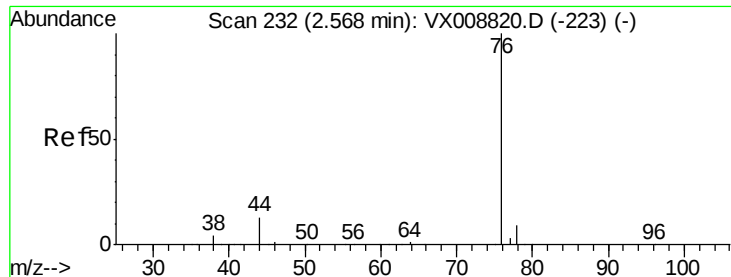
Tgt Ion: 43 Resp: 1395399

Ion Ratio Lower Upper

43 100

58 30.5 24.8 37.2

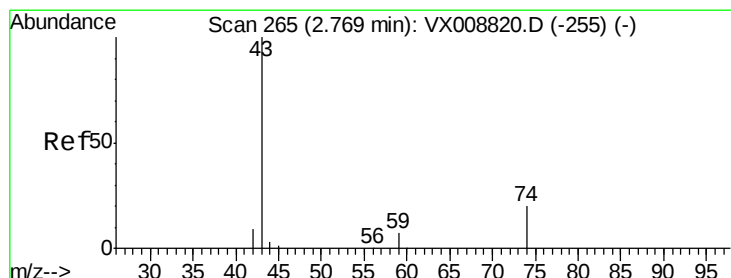
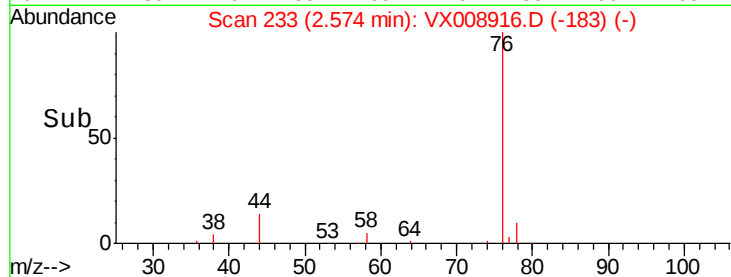
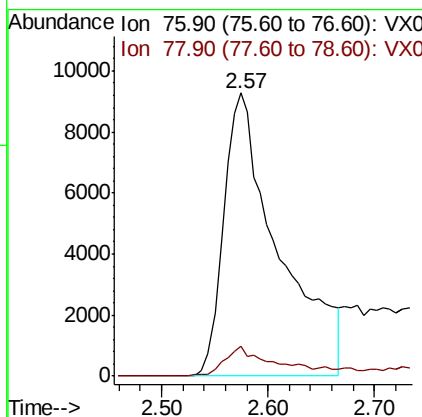
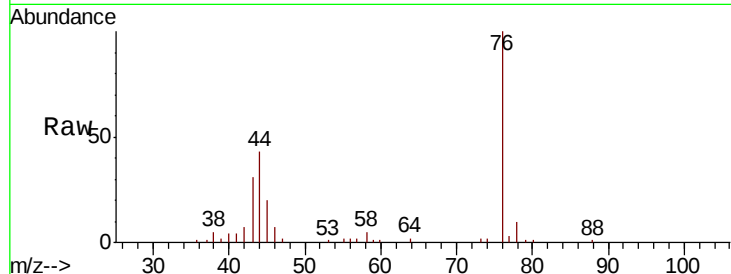




#17
Carbon Disulfide
Concen: 4.338 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

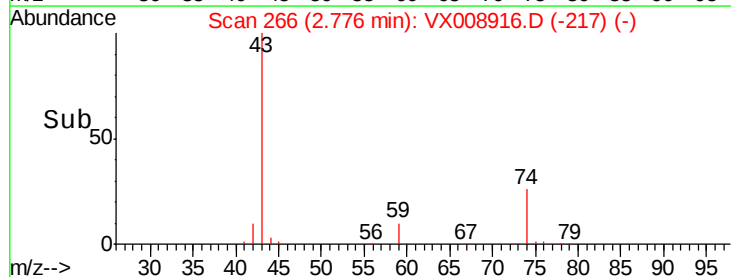
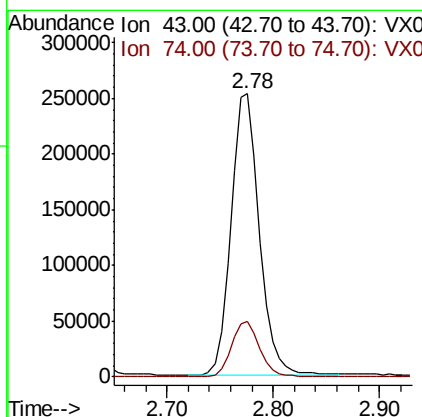
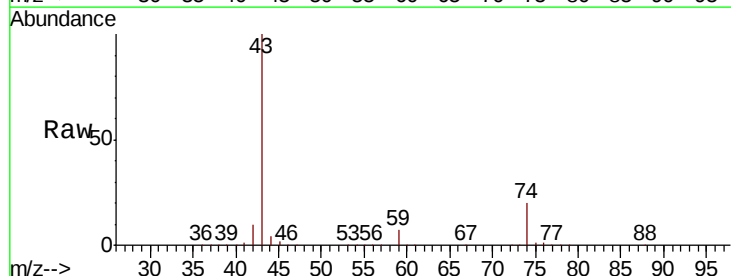
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

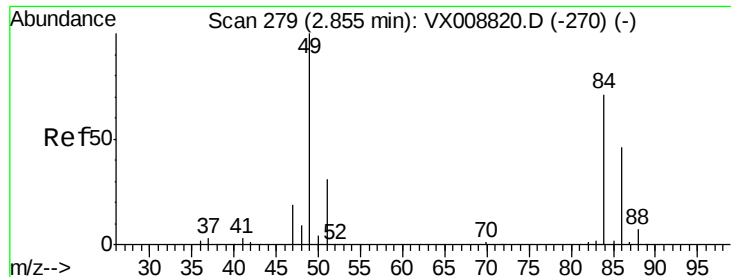
Tot Ion: 76 Resp: 33380
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#18
Methyl Acetate
Concen: 115.264 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 43 Resp: 468363
Ion Ratio Lower Upper
43 100
74 19.9 16.5 24.7

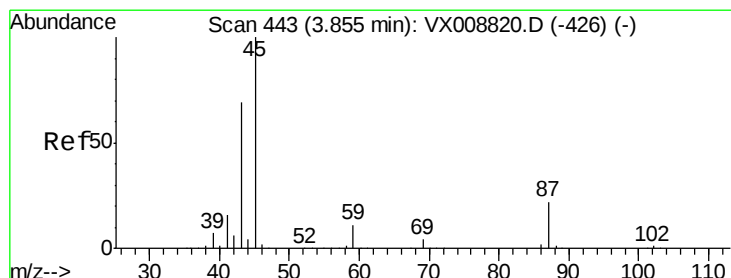
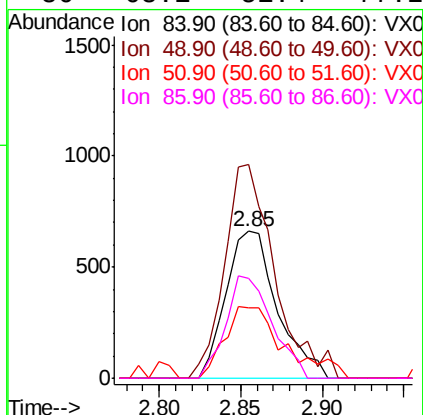
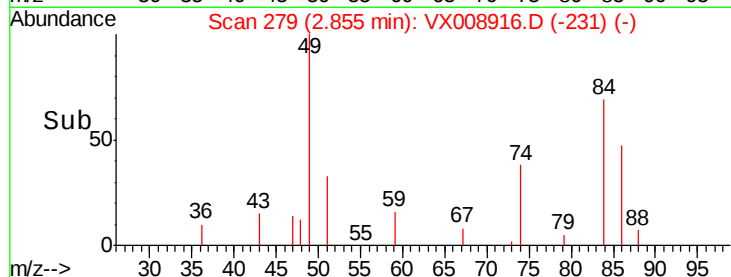
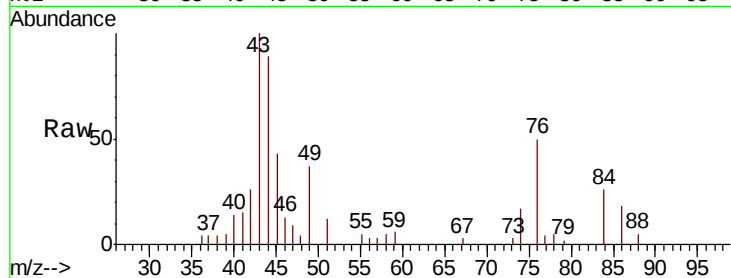




#20
Methvlene Chloride
Concen: 0.518 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

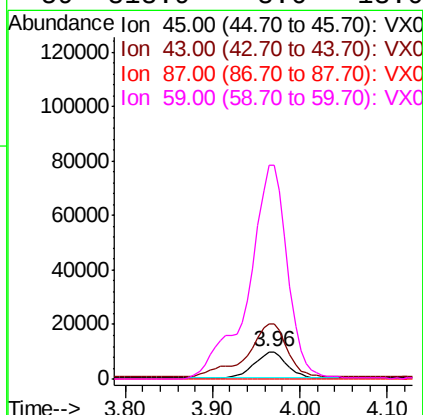
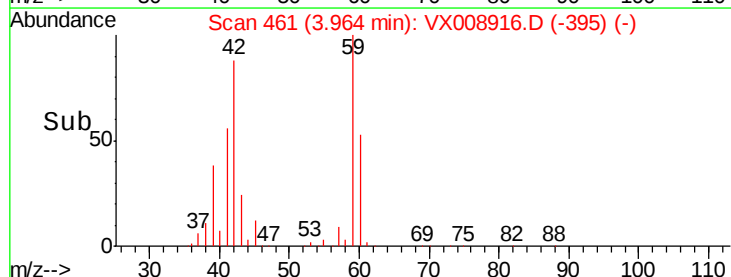
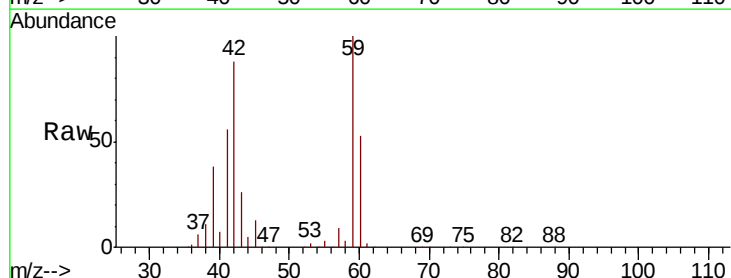
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

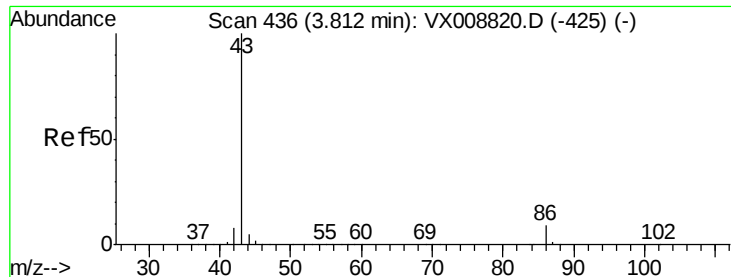
Tot Ion: 84 Resp: 1453
Ion Ratio Lower Upper
84 100
49 145.4 109.7 164.5
51 47.7 33.6 50.4
86 68.1 51.4 77.2



#22
Diisopropyl ether
Concen: 2.451 ug/l
RT: 3.96 min Scan# 461
Delta R.T. 0.10 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 45 Resp: 24939
Ion Ratio Lower Upper
45 100
43 205.3 51.3 76.9#
87 0.0 18.1 27.1#
59 818.9 8.6 13.0#





#23

Vinyl Acetate

Concen: 6.905 ug/l

RT: 3.96 min Scan# 461

Delta R.T. 0.15 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

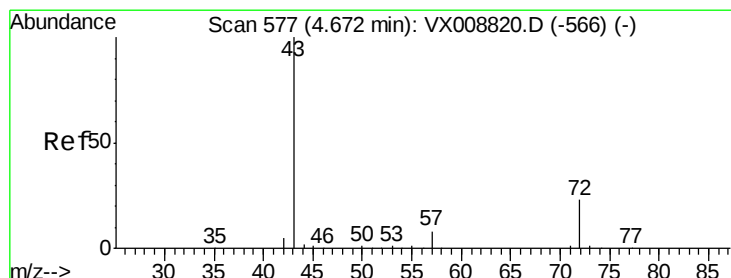
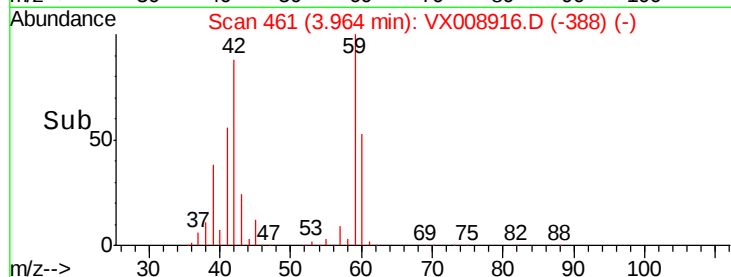
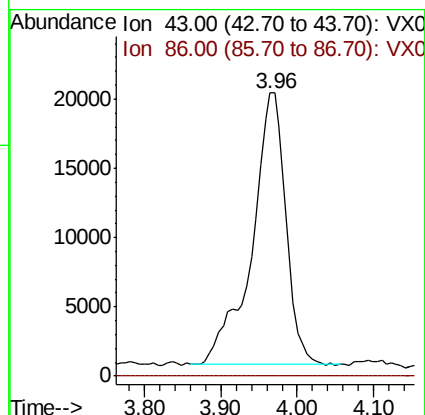
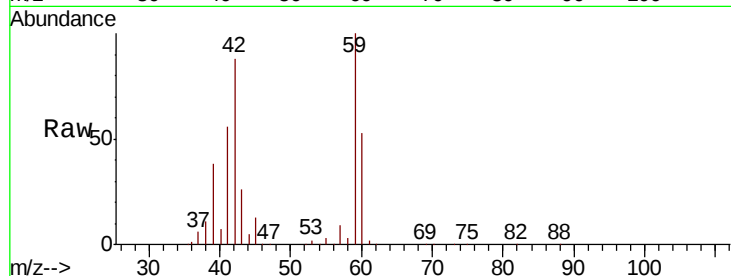
CL-COMP-3

Tot Ion: 43 Resp: 61112

Ion Ratio Lower Upper

43 100

86 0.0 7.0 10.6#



#25

2-Butanone

Concen: 65.766 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008916.D

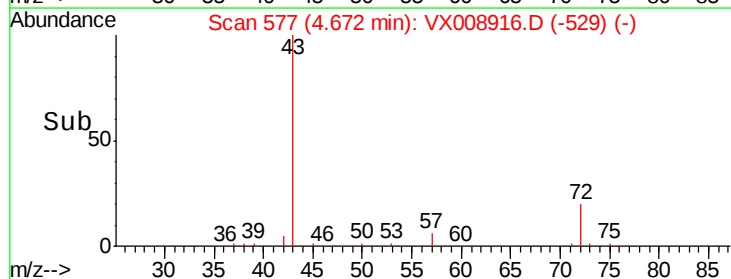
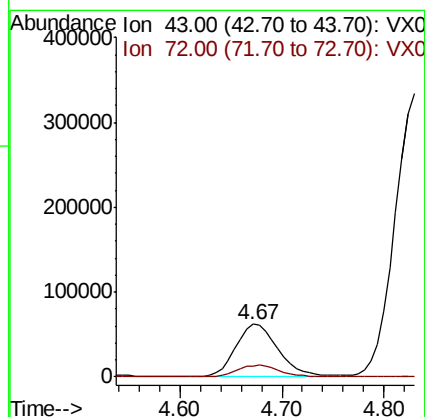
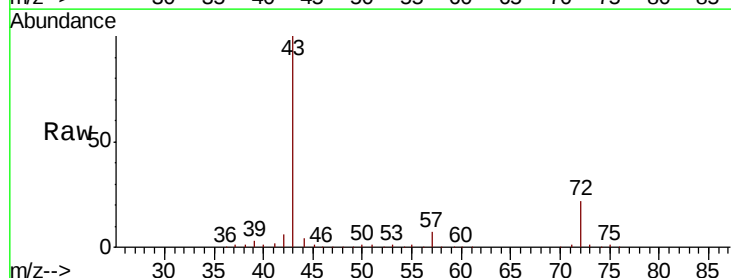
Acq: 13 Apr 2019 03:35

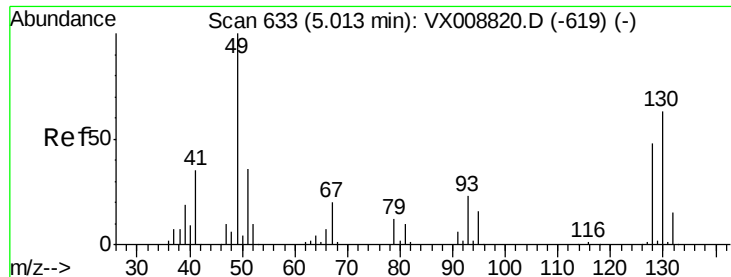
Tgt Ion: 43 Resp: 174151

Ion Ratio Lower Upper

43 100

72 21.9 18.2 27.4





#28

Bromochloromethane

Concen: Below Cal

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-3

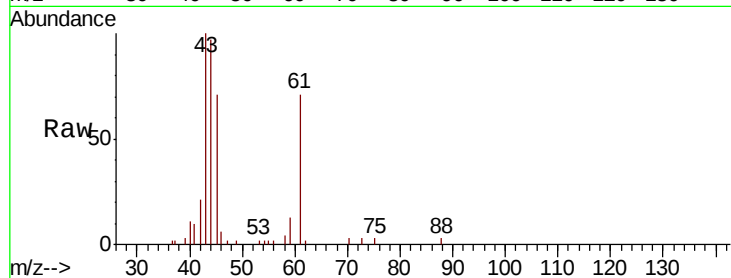
Tot Ion: 49 Resp: 78

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

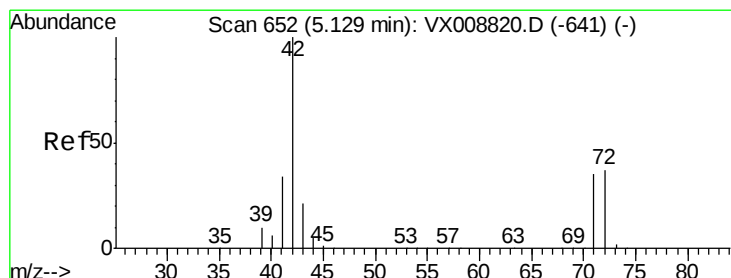
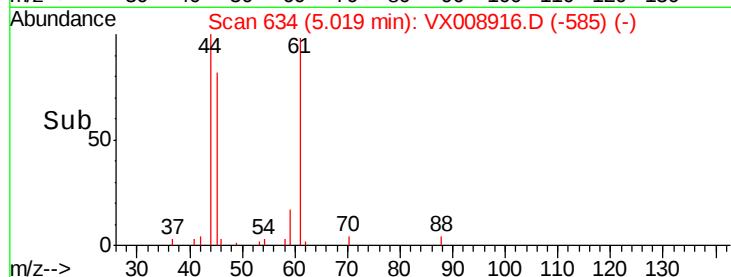
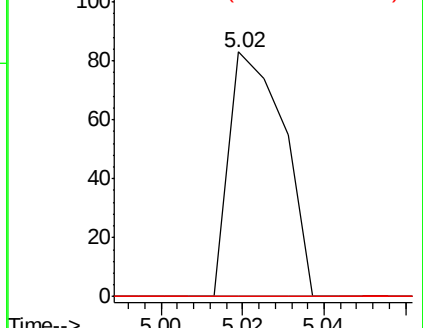
130 0.0 49.3 73.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.666 ug/l

RT: 5.14 min Scan# 654

Delta R.T. 0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

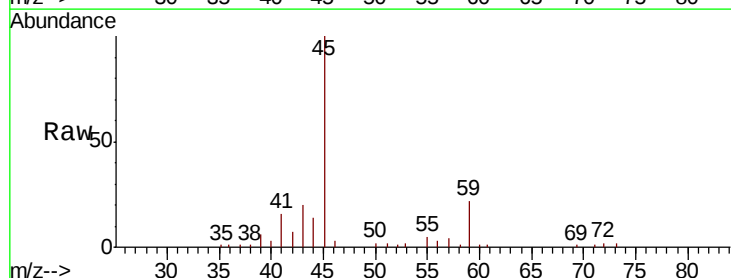
Tgt Ion: 42 Resp: 1170

Ion Ratio Lower Upper

42 100

72 54.2 30.5 45.7#

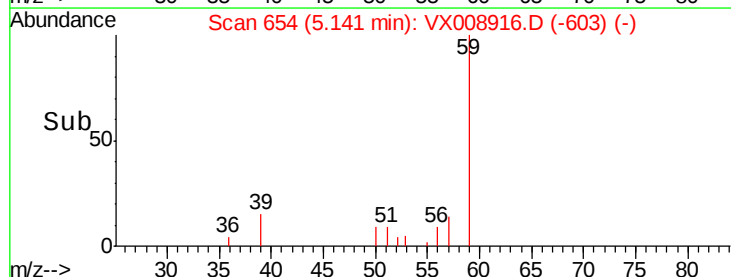
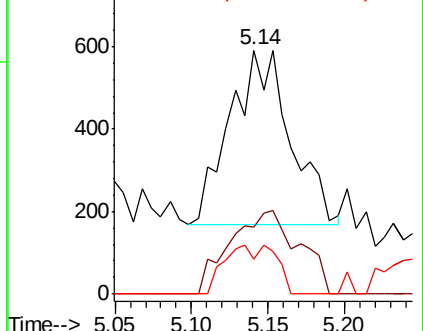
71 14.5 28.6 43.0#

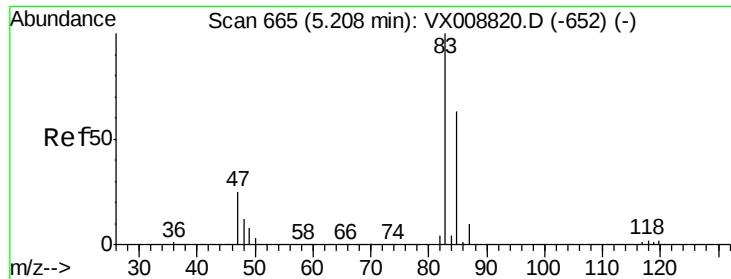


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

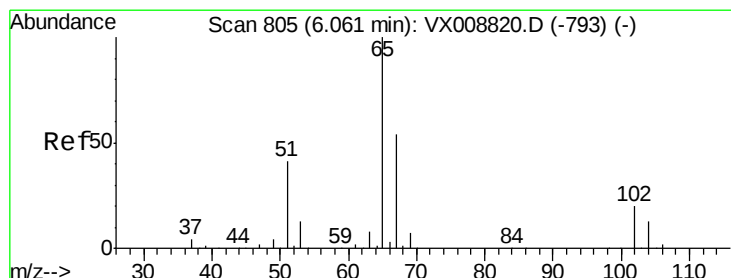
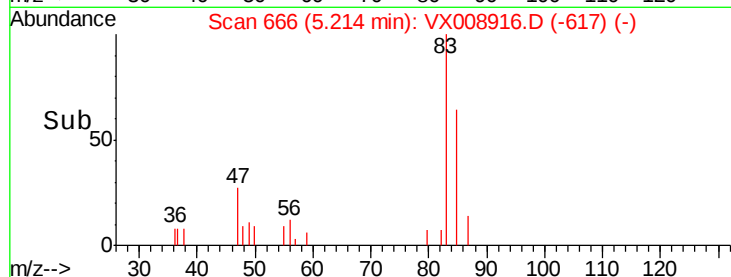
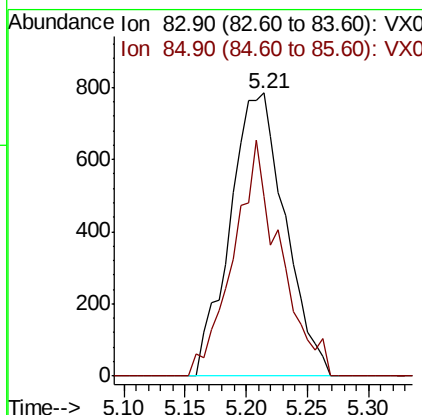
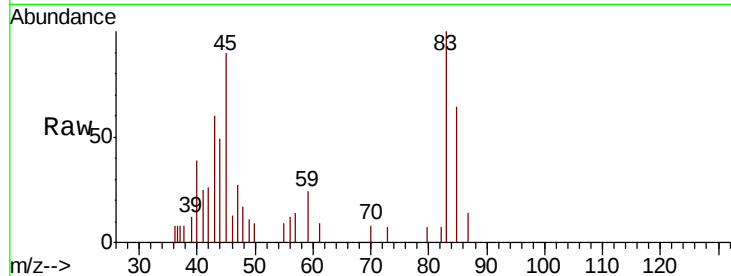




#30
Chloroform
Concen: 0.547 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

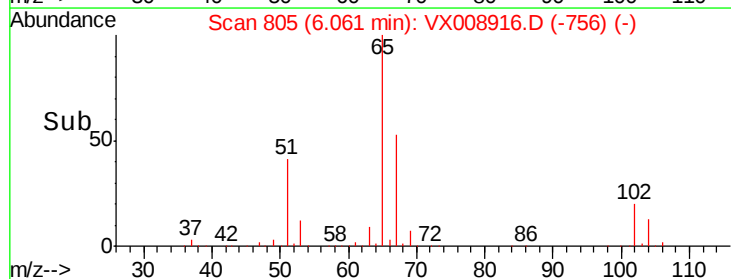
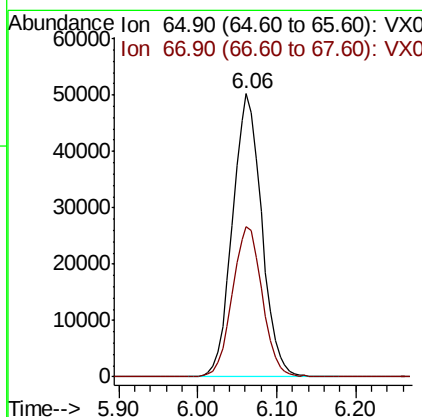
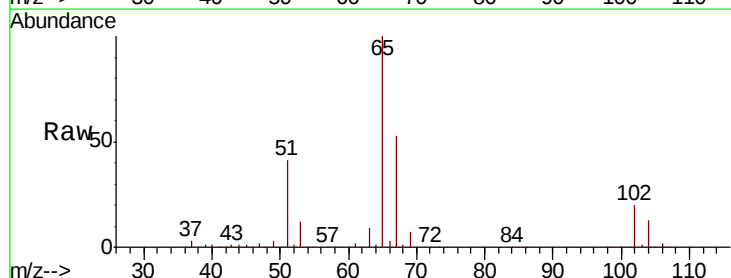
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

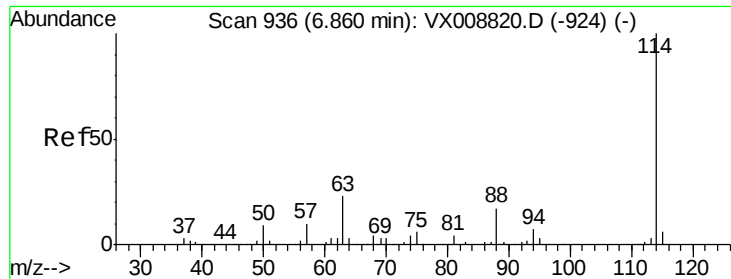
Tot Ion: 83 Resp: 2460
Ion Ratio Lower Upper
83 100
85 63.6 52.1 78.1



#33
1,2-Dichloroethane-d4
Concen: 44.569 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 65 Resp: 129647
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.2

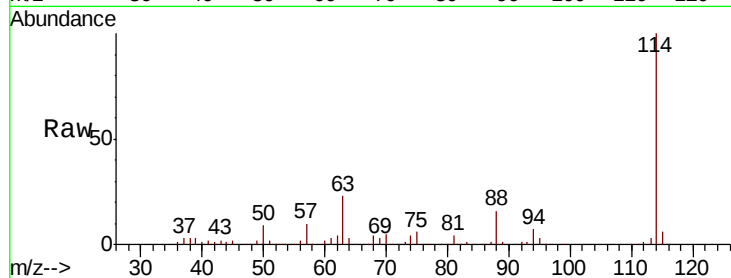




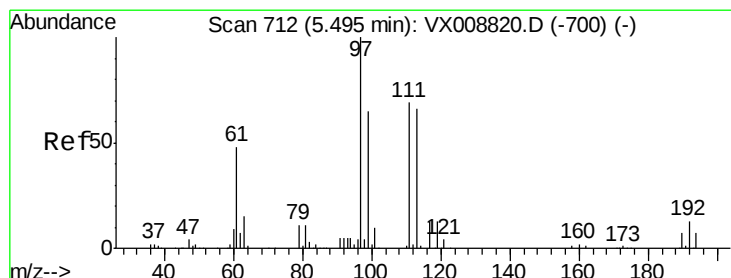
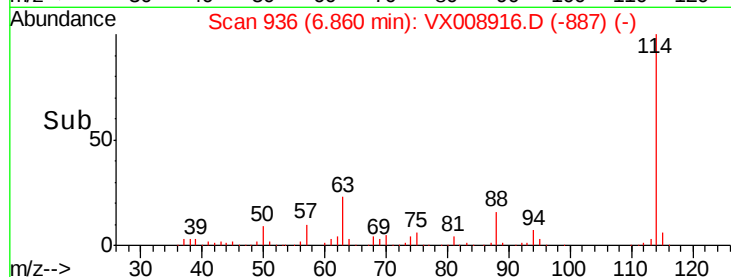
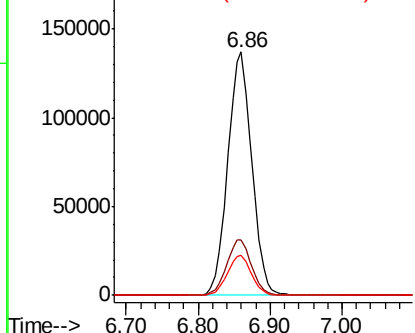
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

Tot Ion:114 Resp: 318754
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 47.2
 88 16.4 0.0 34.0

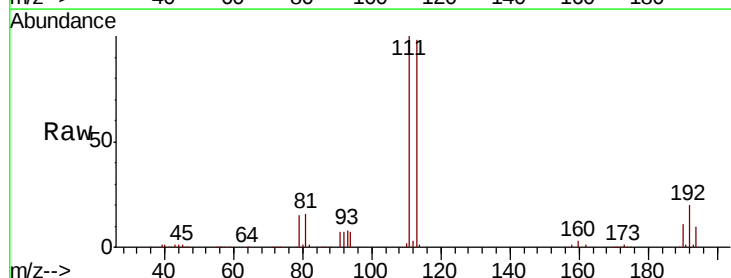


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

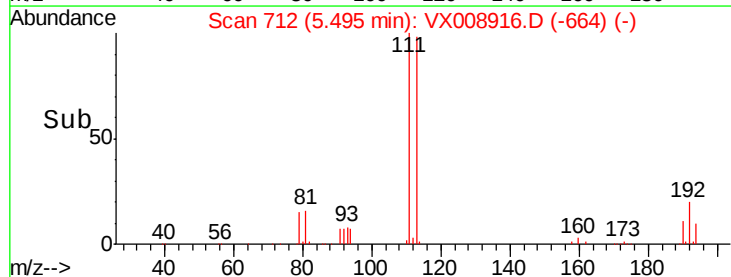
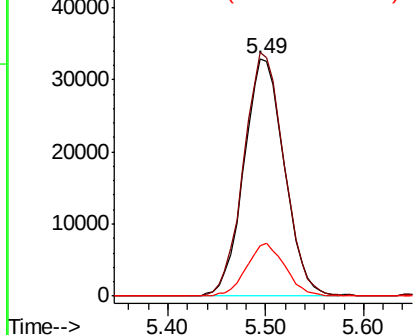


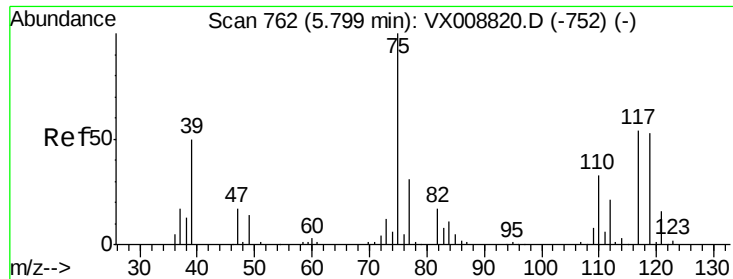
#35
 Dibromofluoromethane
 Concen: 46.269 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion:113 Resp: 94296
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.4 125.2
 192 21.3 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

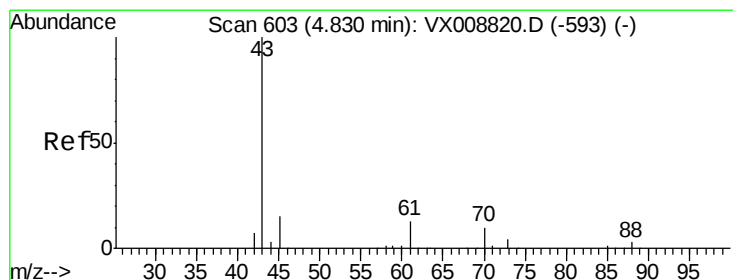
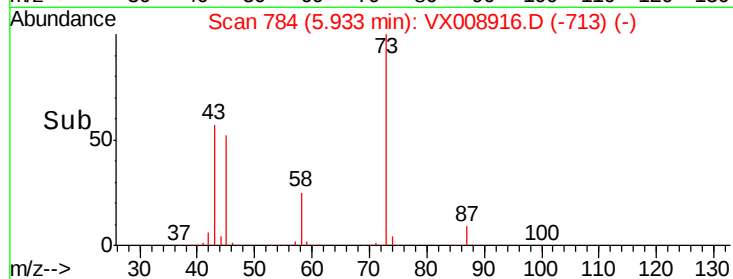
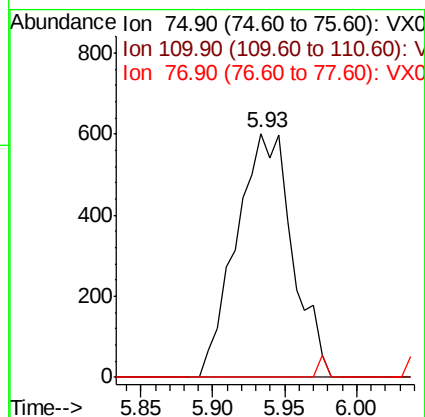
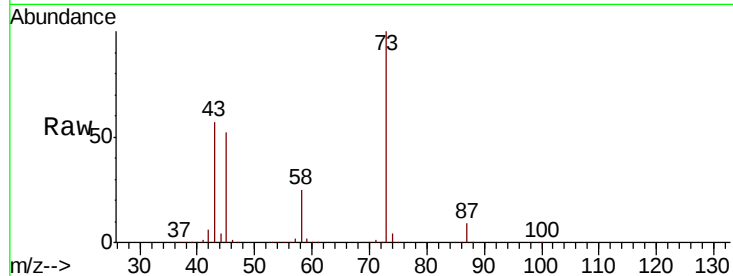




#36
 1,1-Dichloropropene
 Concen: 0.468 ug/l
 RT: 5.93 min Scan# 784
 Delta R.T. 0.13 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

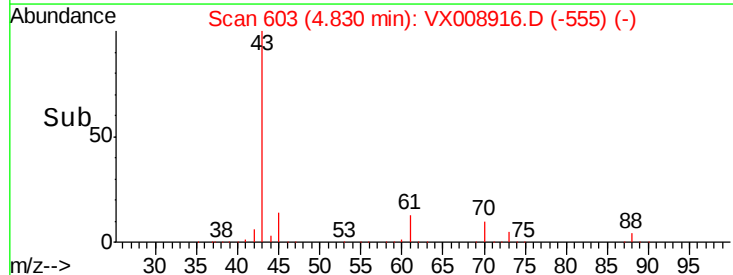
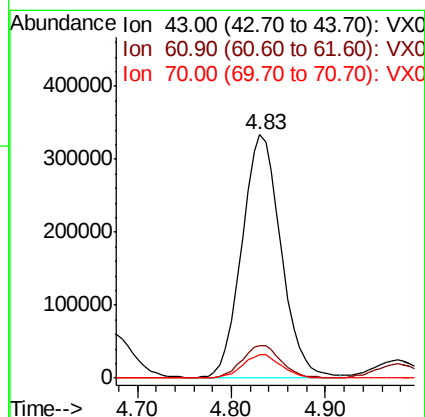
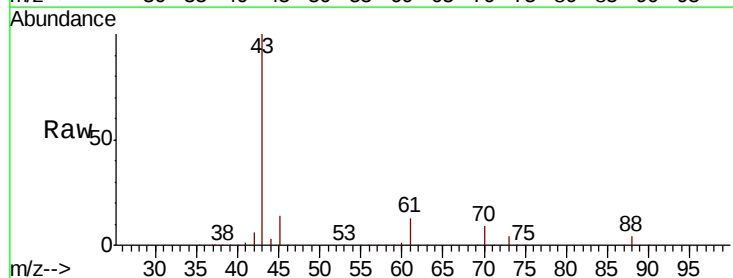
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

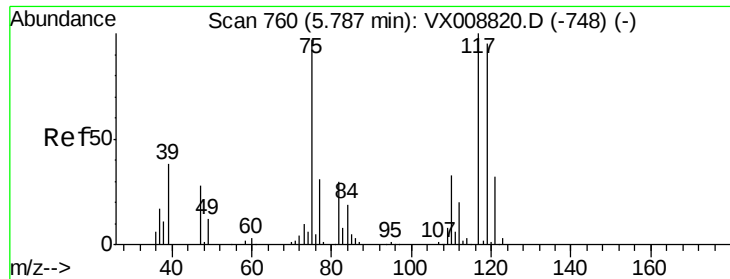
Tot Ion: 75 Resp: 1630
 Ion Ratio Lower Upper
 75 100
 110 0.0 16.4 49.2#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 207.913 ug/l
 RT: 4.83 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion: 43 Resp: 966962
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.3 15.5
 70 9.7 7.6 11.4

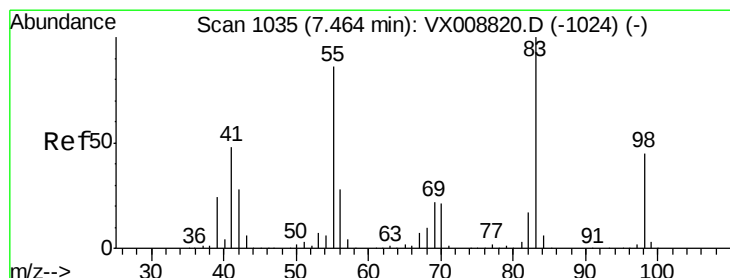
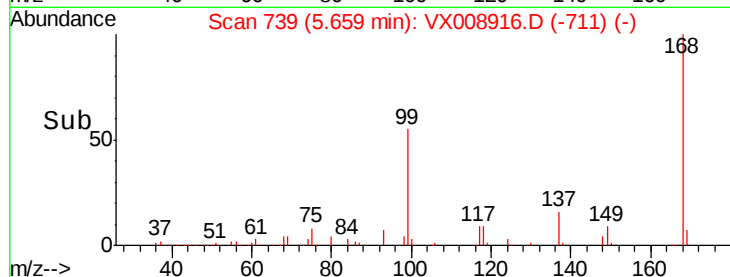
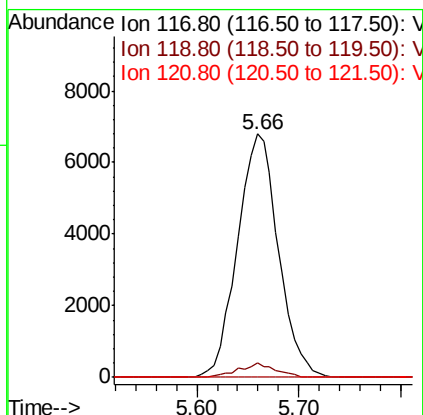
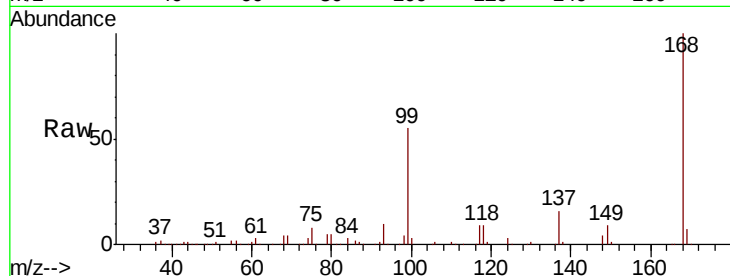




#38
Carbon Tetrachloride
Concen: 6.540 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

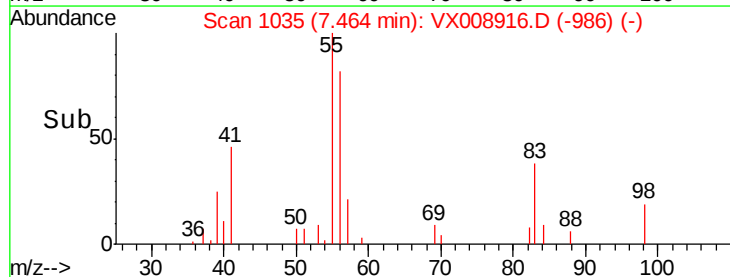
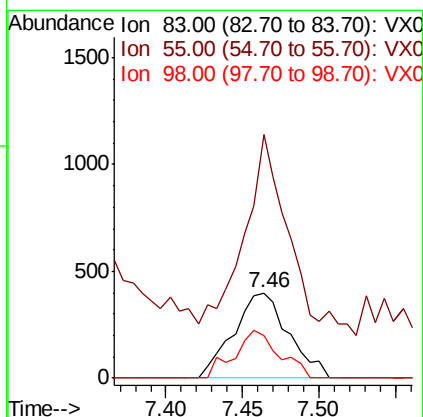
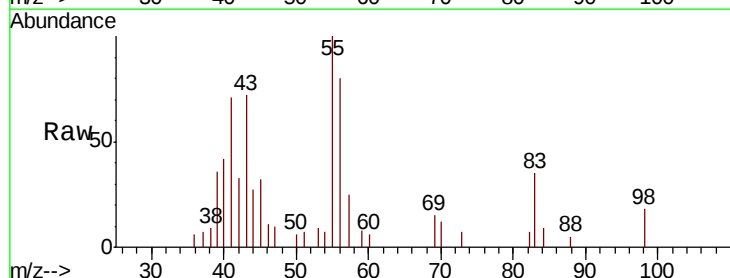
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

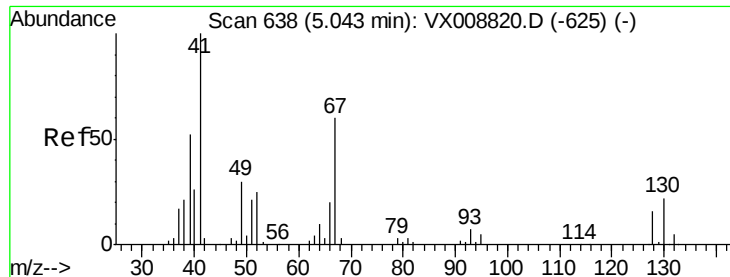
Tot Ion:117 Resp: 18859
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.6#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 0.231 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 83 Resp: 995
Ion Ratio Lower Upper
83 100
55 222.9 69.0 103.6#
98 50.5 34.4 51.6

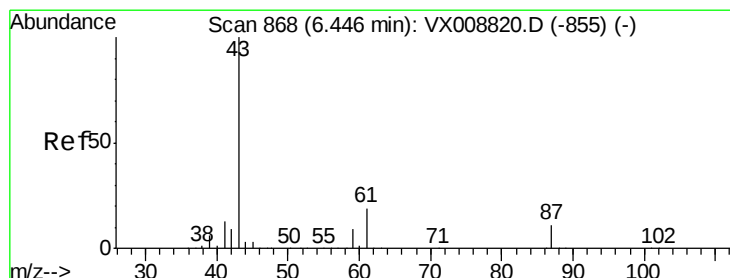
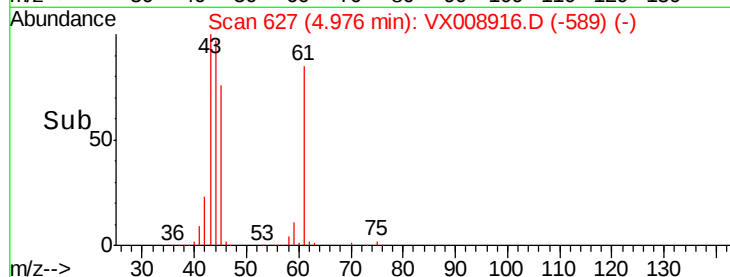
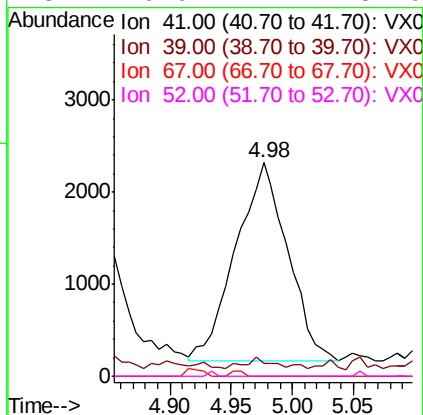
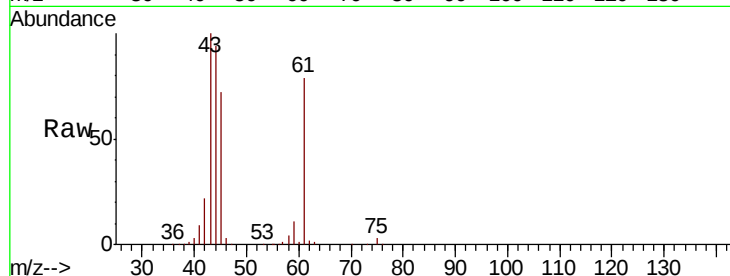




#41
Methacrylonitrile
Concen: 2.378 ug/l
RT: 4.98 min Scan# 627
Delta R.T. -0.07 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

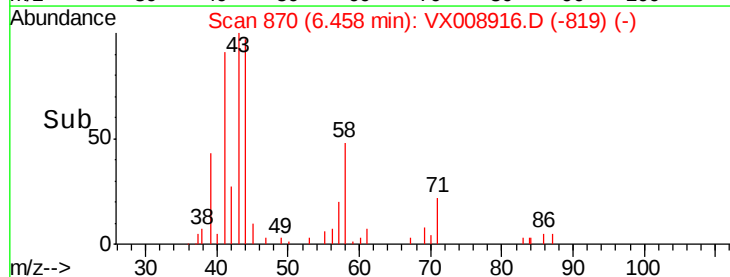
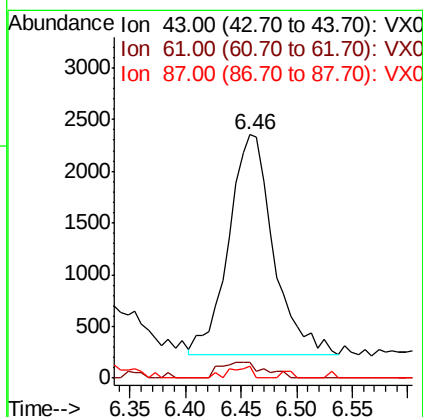
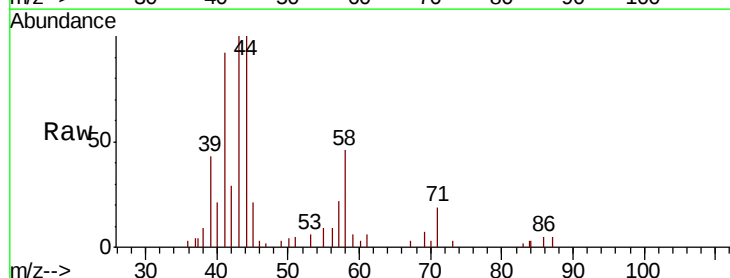
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

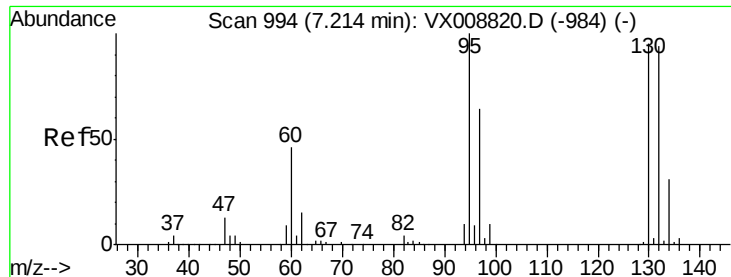
Tot Ion:	41	Resp:	6357
Ion	Ratio	Lower	Upper
41	100		
39	3.0	42.1	63.1#
67	0.7	51.0	76.6#
52	0.0	21.4	32.0#



#43
Isopropyl Acetate
Concen: 0.812 ug/l
RT: 6.46 min Scan# 870
Delta R.T. 0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:	43	Resp:	5919
Ion	Ratio	Lower	Upper
43	100		
61	7.2	15.3	22.9#
87	2.6	9.0	13.6#





#44

Trichloroethene

Concen: 0.235 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

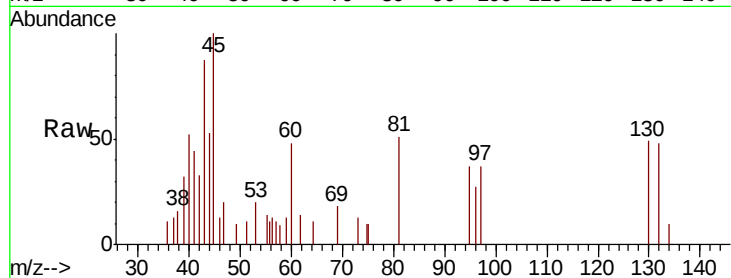
CL-COMP-3

Tot Ion:130 Resp: 568

Ion Ratio Lower Upper

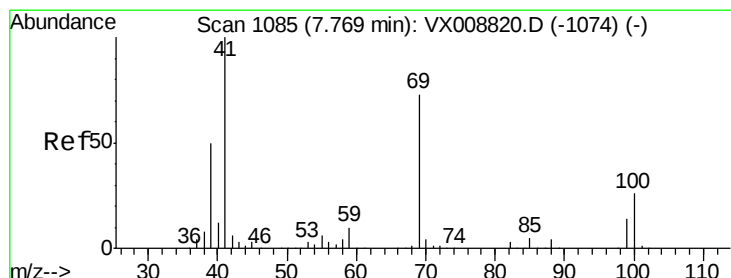
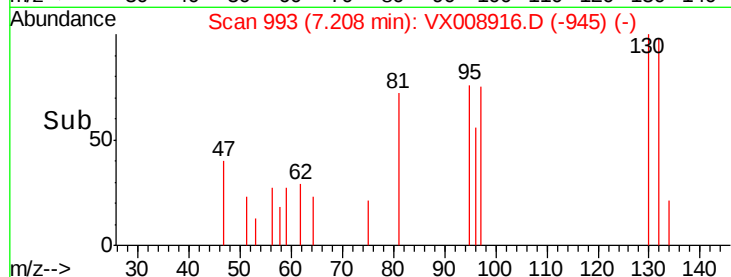
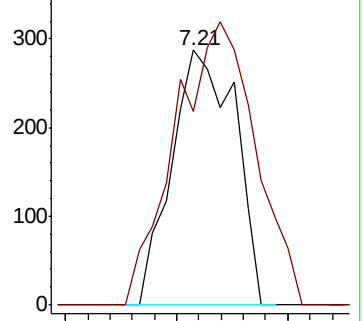
130 100

95 76.0 0.0 209.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.268 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

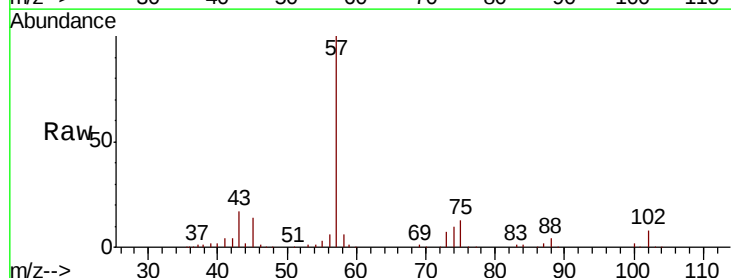
Tgt Ion: 41 Resp: 989

Ion Ratio Lower Upper

41 100

69 22.9 59.0 88.4#

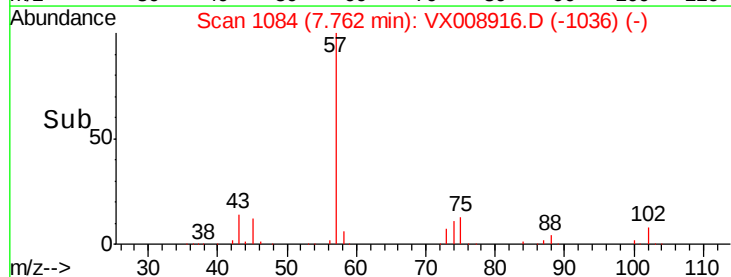
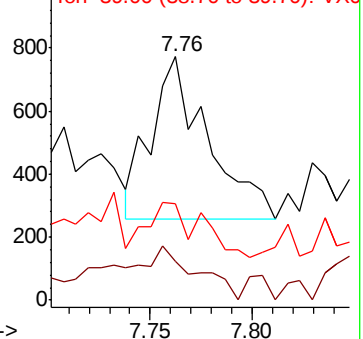
39 25.0 41.0 61.4#

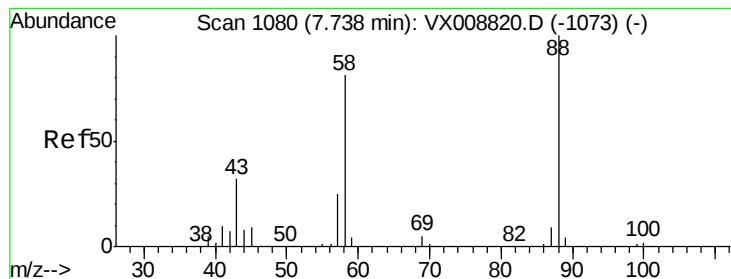


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#49

1,4-Dioxane

Concen: 33.532 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-3

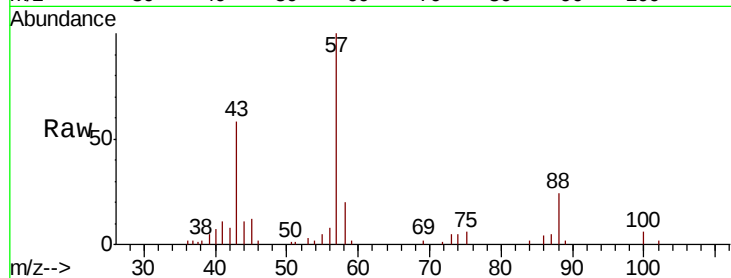
Tot Ion: 88 Resp: 2315

Ion Ratio Lower Upper

88 100

43 0.0 28.6 43.0#

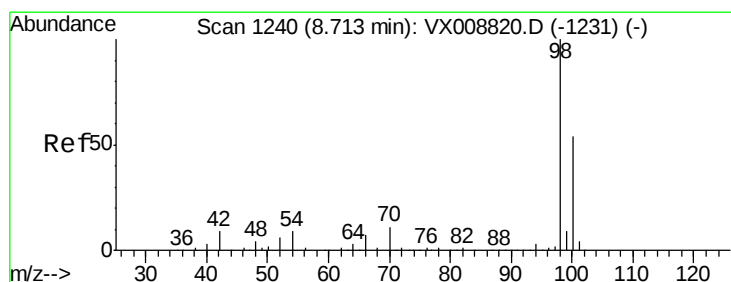
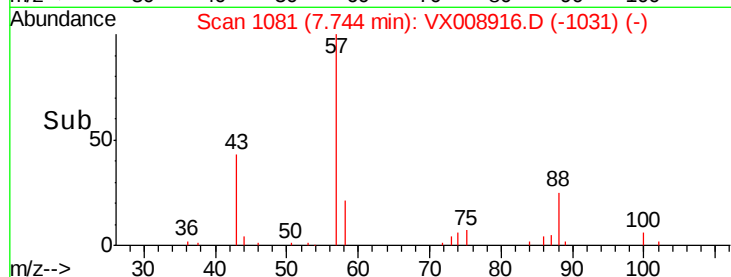
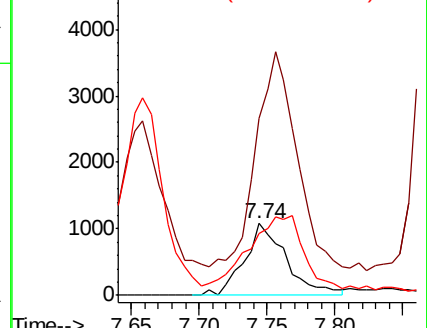
58 0.0 62.2 93.2#



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: 49.150 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008916.D

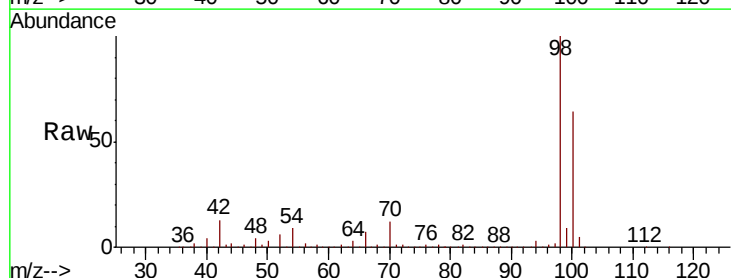
Acq: 13 Apr 2019 03:35

Tgt Ion: 98 Resp: 398843

Ion Ratio Lower Upper

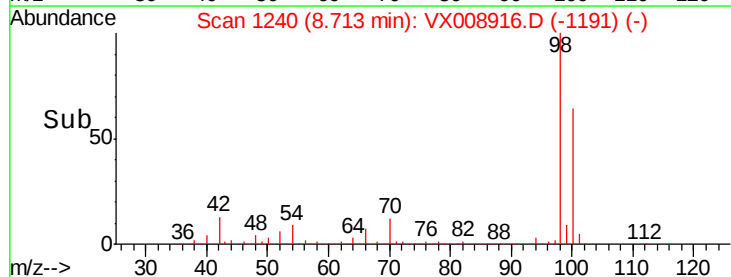
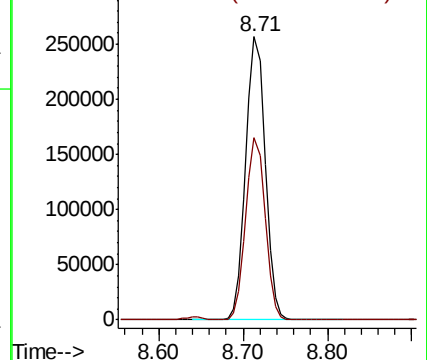
98 100

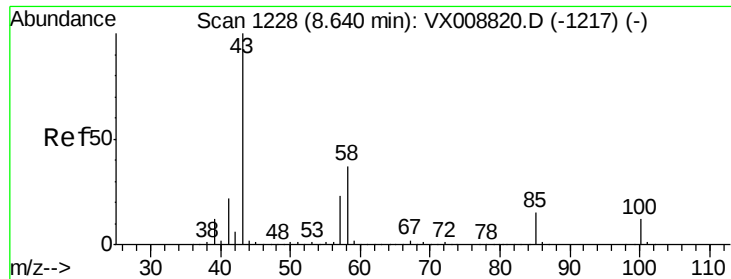
100 63.8 51.4 77.0



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: 85.768 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. -0.02 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

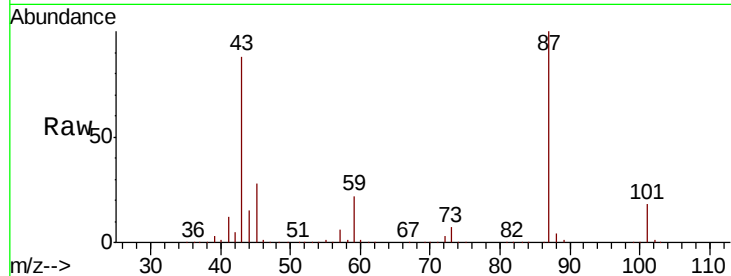
CL-COMP-3

Tot Ion: 43 Resp: 402249

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

250000

200000

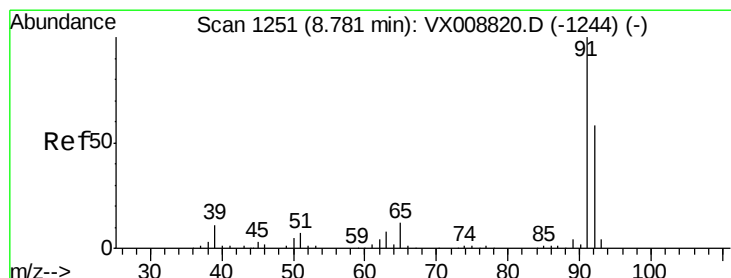
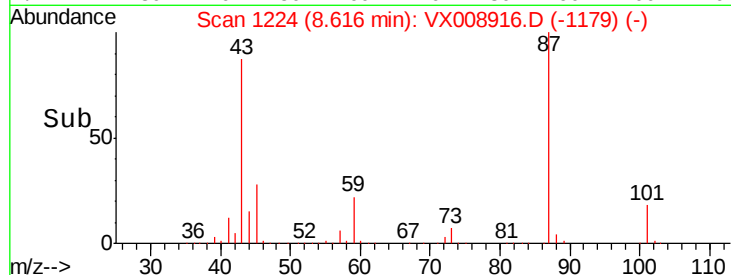
150000

100000

50000

0

Time--> 8.50 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 1.934 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX008916.D

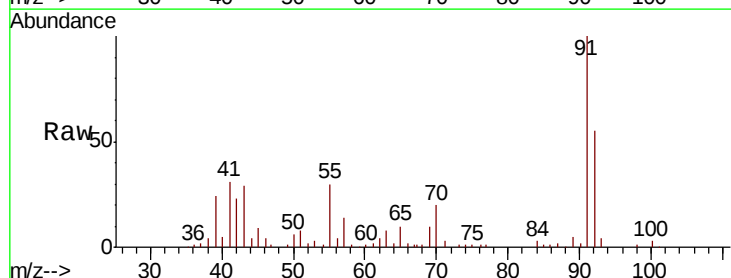
Acq: 13 Apr 2019 03:35

Tgt Ion: 92 Resp: 11838

Ion Ratio Lower Upper

92 100

91 184.3 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

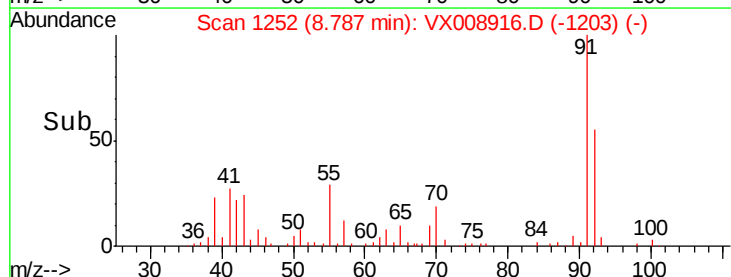
15000

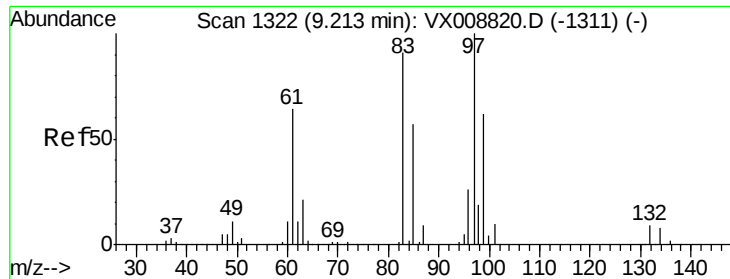
10000

5000

0

Time--> 8.70 8.75 8.80 8.85

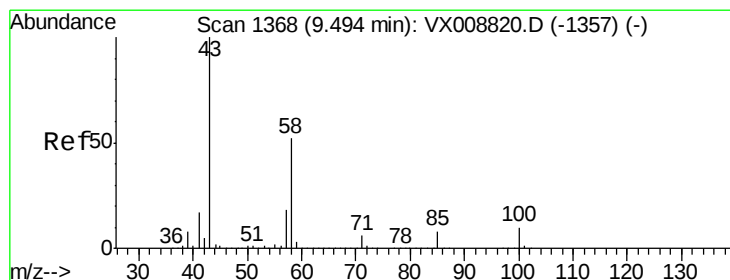
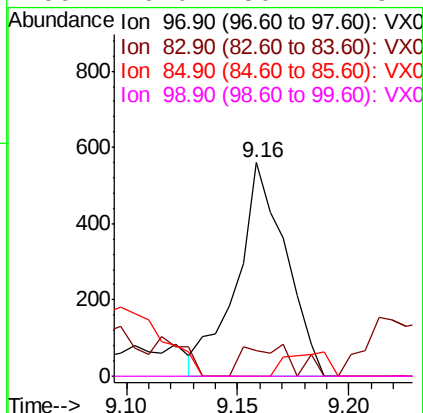
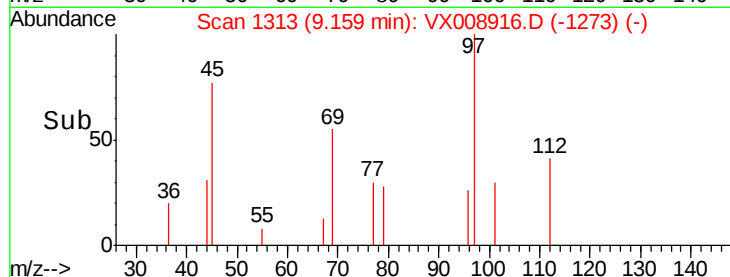
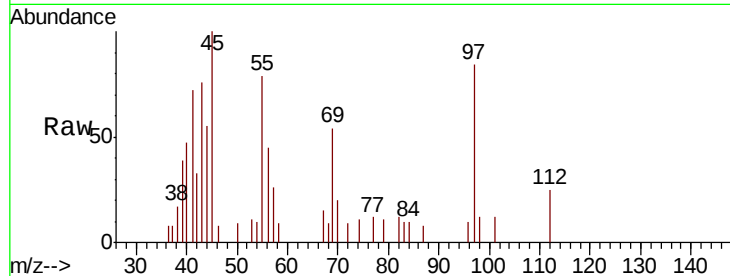




#55
 1,1,2-Trichloroethane
 Concen: 0.349 ug/l
 RT: 9.16 min Scan# 1313
 Delta R.T. -0.05 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

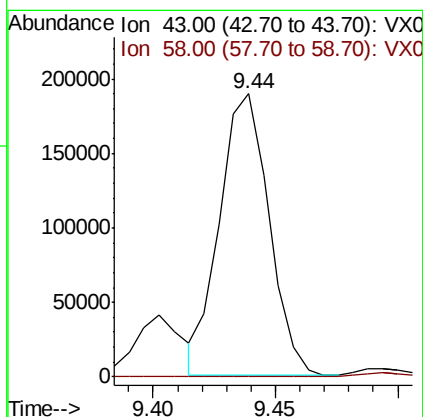
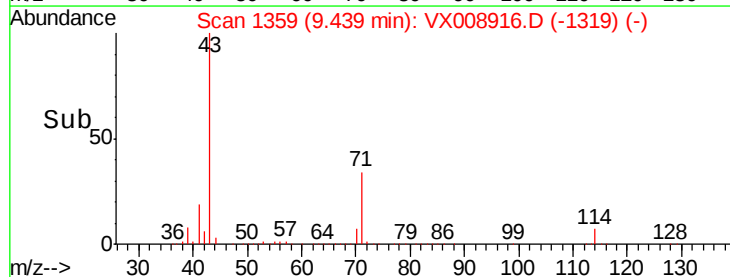
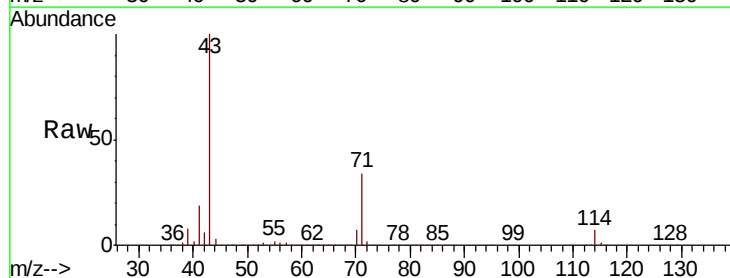
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

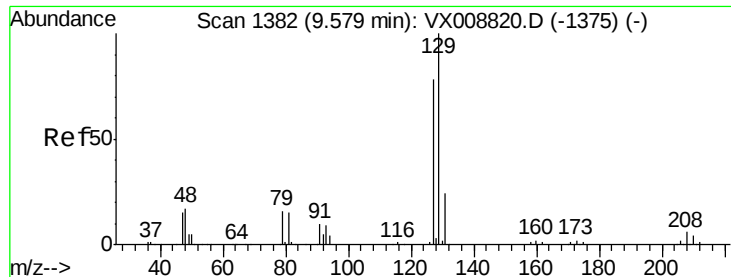
Tot Ion: 97 Resp: 857
 Ion Ratio Lower Upper
 97 100
 83 11.8 73.2 109.8#
 85 0.0 46.6 69.8#
 99 0.0 50.1 75.1#



#59
 2-Hexanone
 Concen: 73.077 ug/l
 RT: 9.44 min Scan# 1359
 Delta R.T. -0.05 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion: 43 Resp: 266350
 Ion Ratio Lower Upper
 43 100
 58 0.1 25.9 77.7#

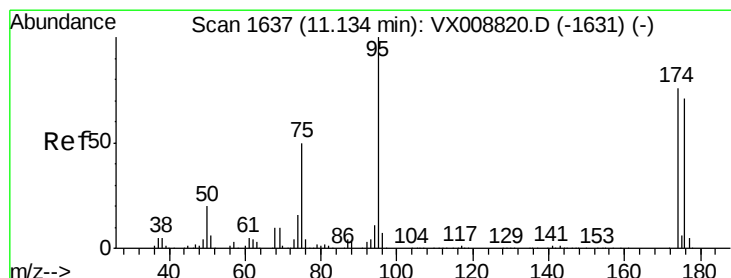
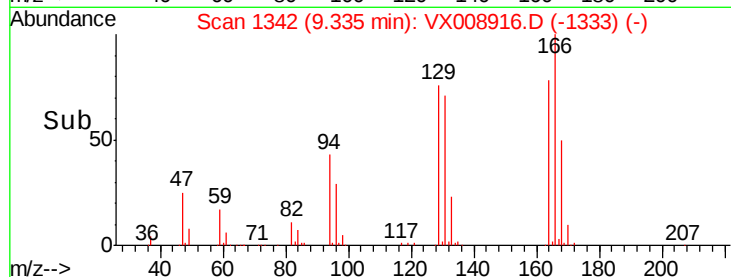
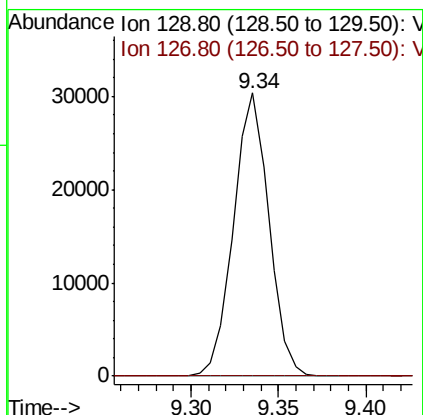
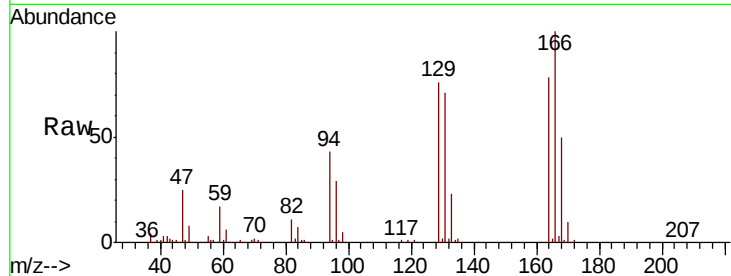




#60
Dibromochloromethane
Concen: 18.455 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

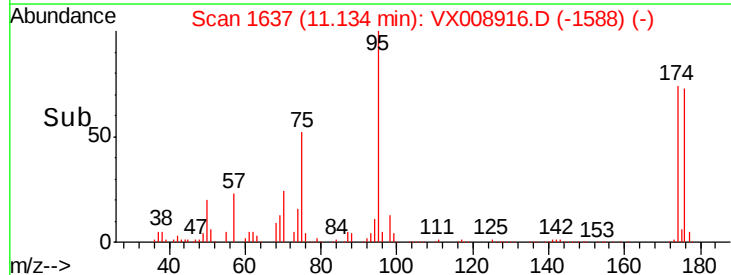
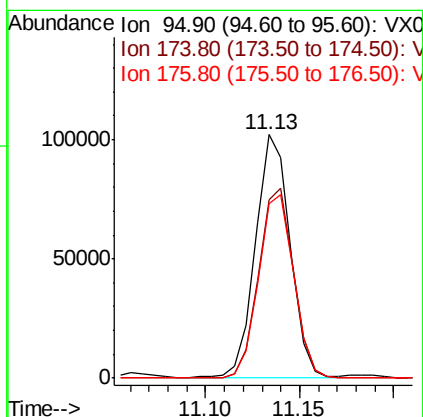
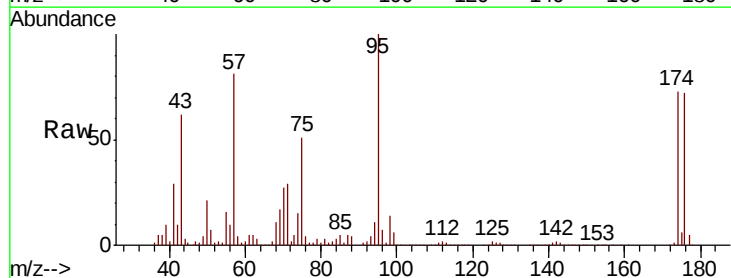
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

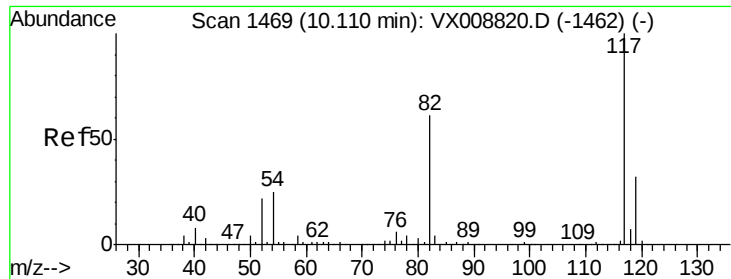
Tot Ion:129 Resp: 42720
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 44.995 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 95 Resp: 129478
Ion Ratio Lower Upper
95 100
174 79.1 0.0 151.8
176 76.9 0.0 145.8

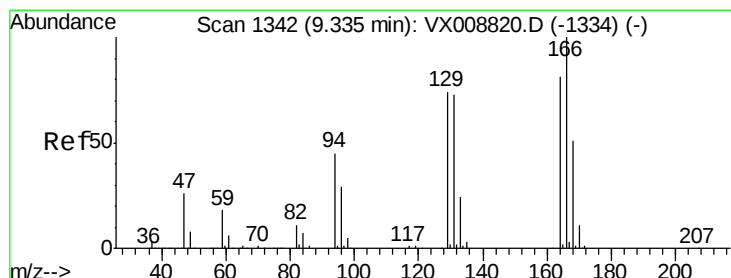
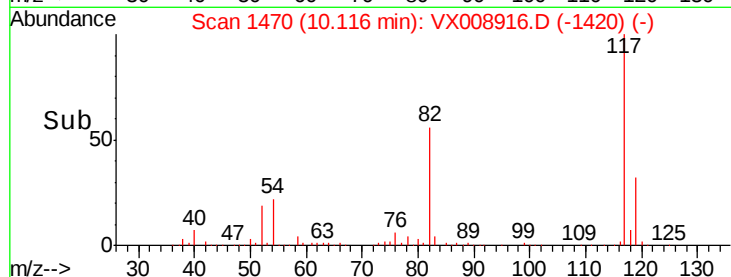
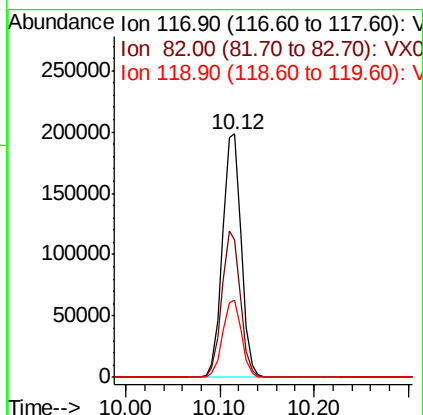
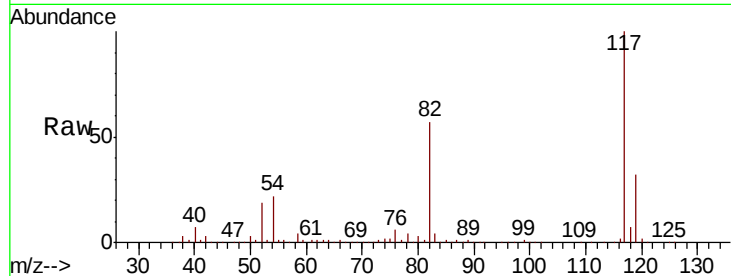




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

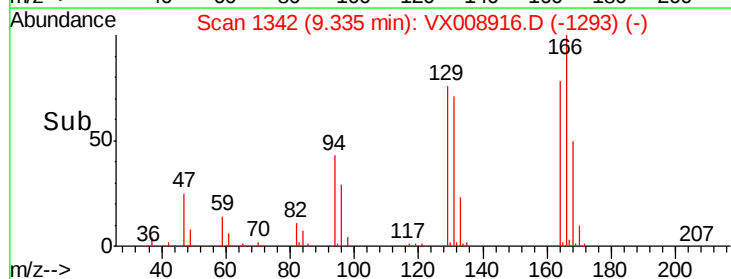
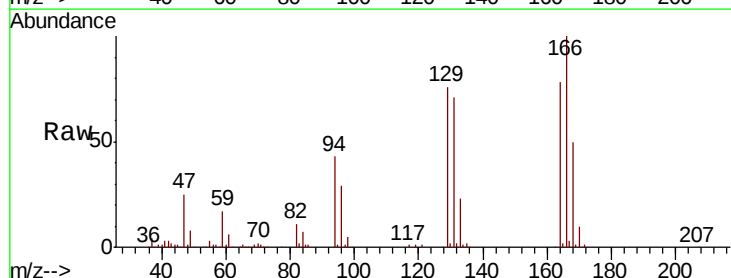
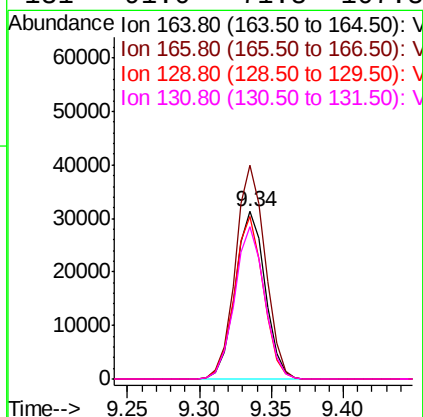
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

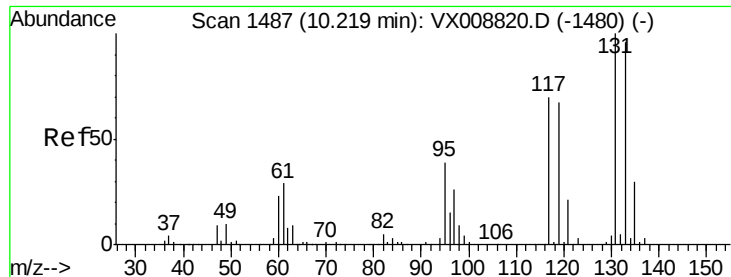
Tot Ion:117 Resp: 272380
Ion Ratio Lower Upper
117 100
82 56.4 49.6 74.4
119 31.9 25.0 37.4



#64
Tetrachloroethene
Concen: 22.448 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:164 Resp: 45302
Ion Ratio Lower Upper
164 100
166 127.5 101.0 151.6
129 97.0 75.8 113.8
131 91.0 71.8 107.8

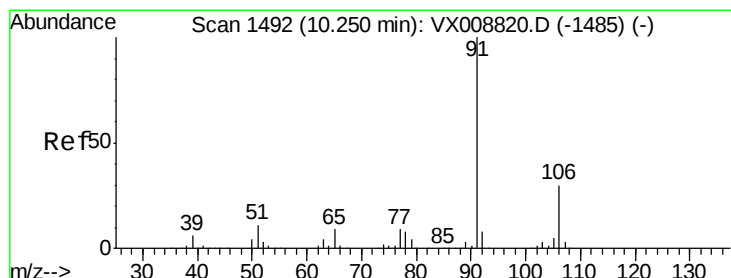
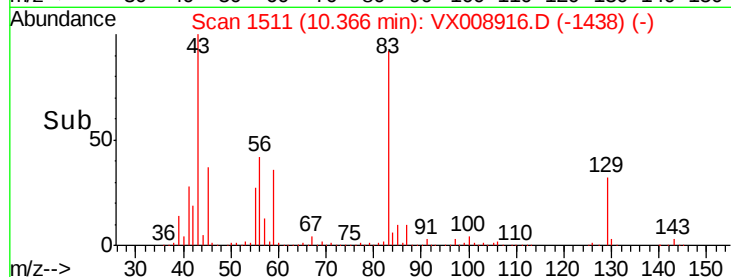
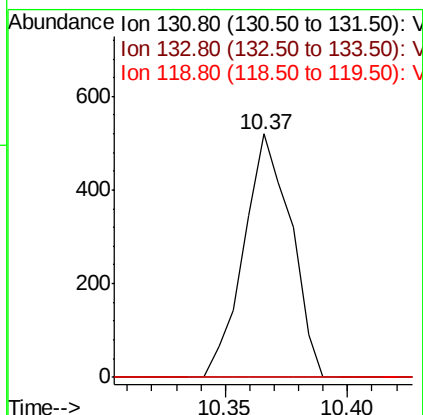
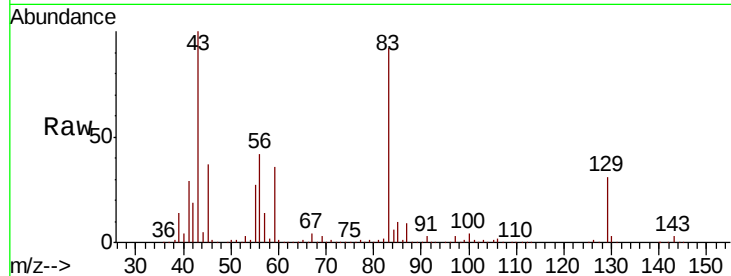




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.329 ug/l
 RT: 10.37 min Scan# 1511
 Delta R.T. 0.15 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

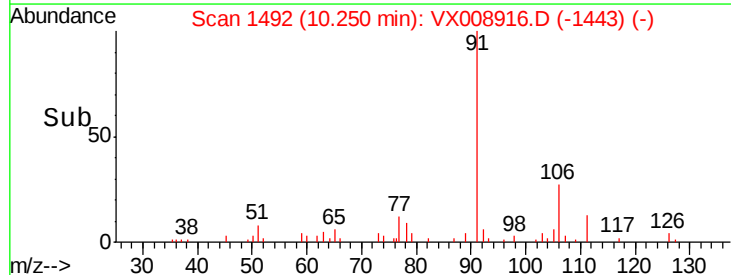
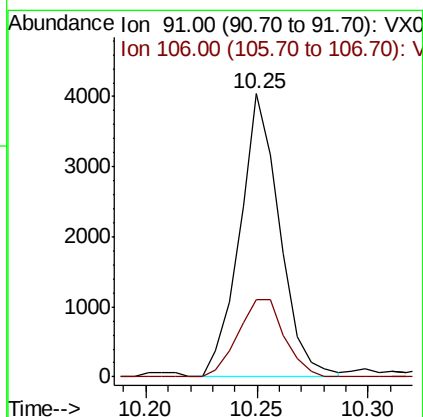
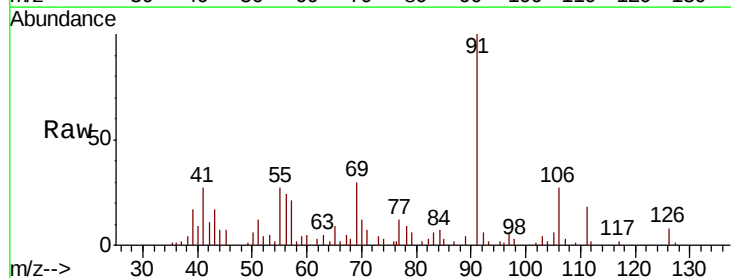
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

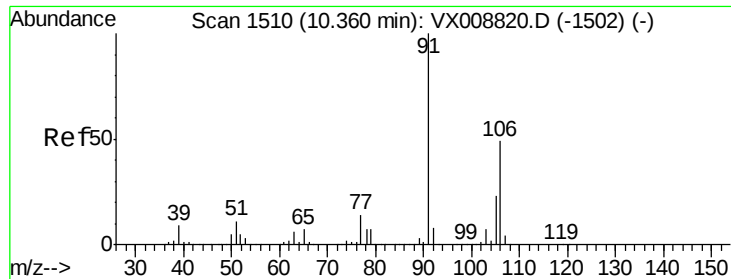
Tot Ion:131 Resp: 696
 Ion Ratio Lower Upper
 131 100
 133 0.0 47.0 141.2#
 119 0.0 33.7 101.0#



#67
 Ethyl Benzene
 Concen: 0.449 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion: 91 Resp: 5052
 Ion Ratio Lower Upper
 91 100
 106 27.3 23.7 35.5

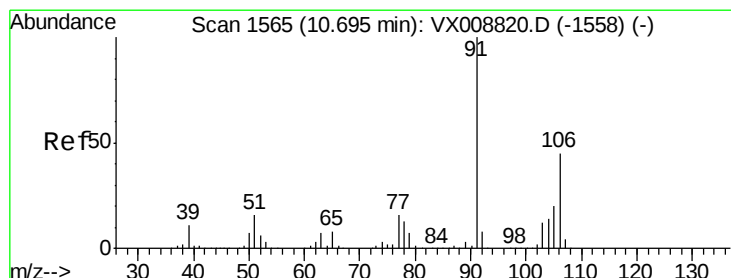
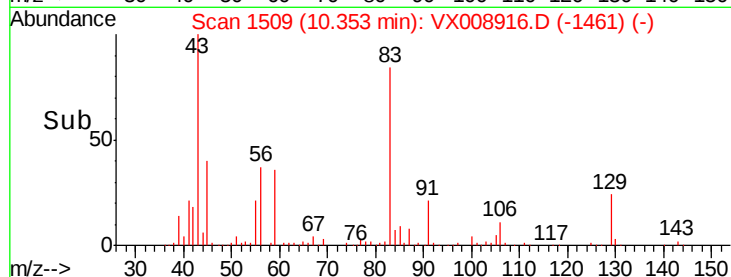
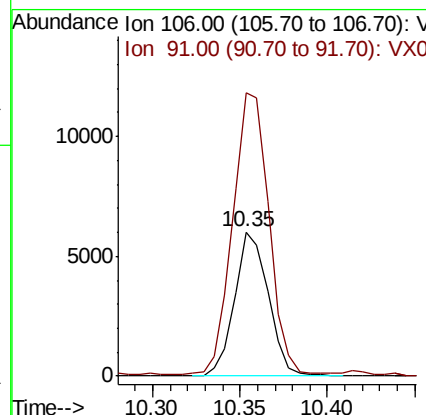
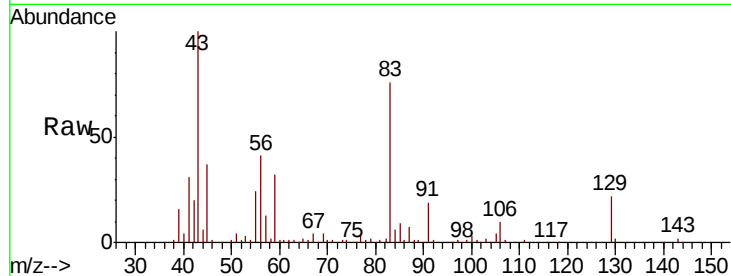




#68
m/p-Xylenes
Concen: 2.001 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

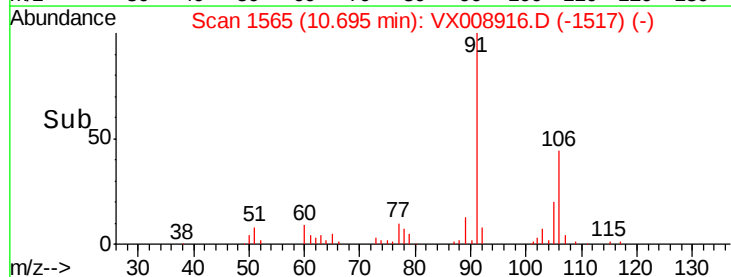
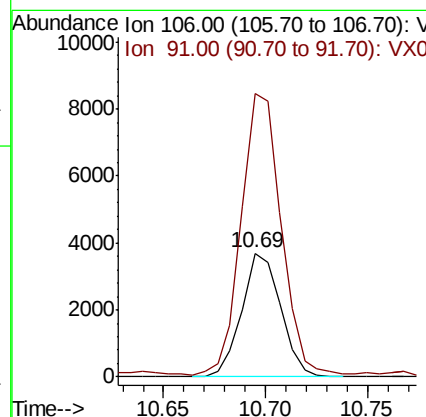
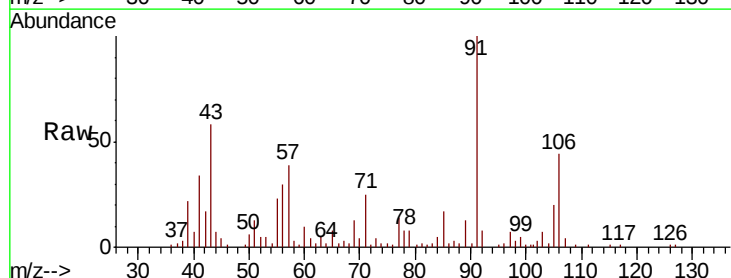
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

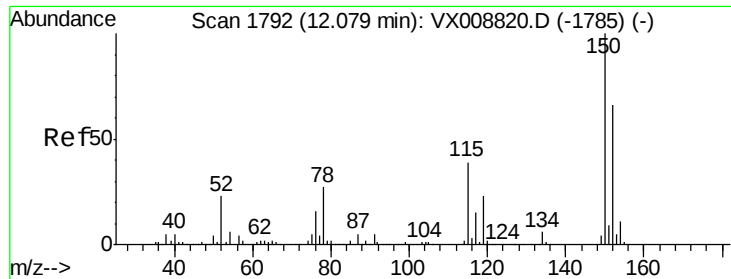
Tot Ion:106 Resp: 8099
Ion Ratio Lower Upper
106 100
91 208.1 168.5 252.7



#69
o-Xylene
Concen: 1.248 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:106 Resp: 4897
Ion Ratio Lower Upper
106 100
91 231.4 111.5 334.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

CL-COMP-3

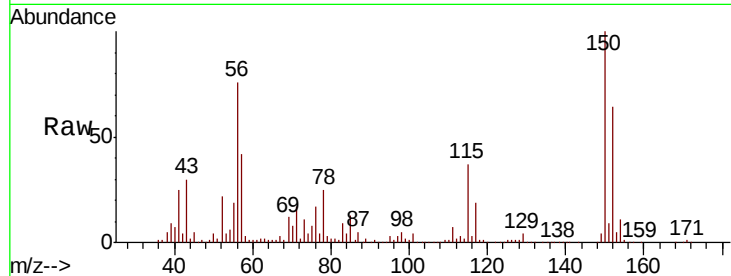
Tot Ion:152 Resp: 113849

Ion Ratio Lower Upper

152 100

115 70.4 43.5 130.5

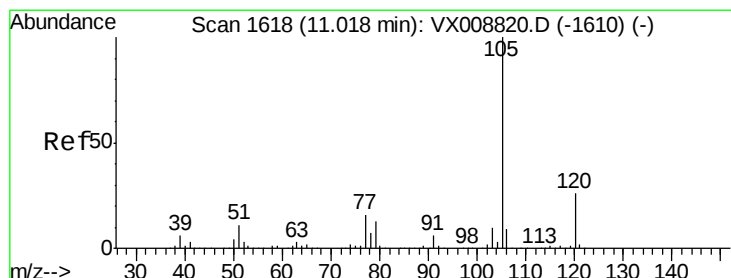
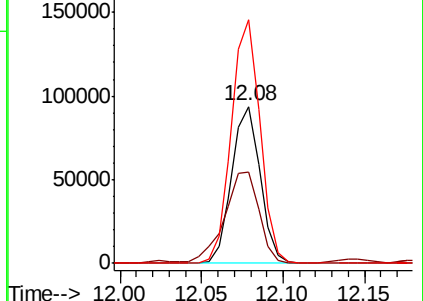
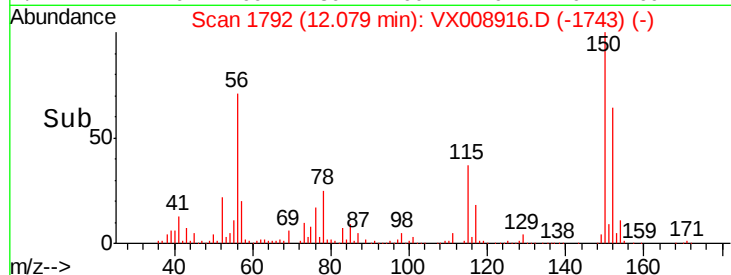
150 156.2 0.0 348.8



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: 0.430 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008916.D

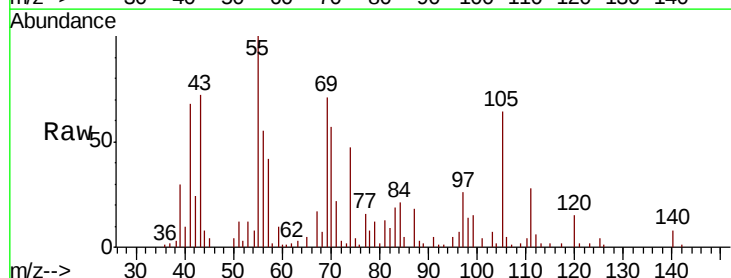
Acq: 13 Apr 2019 03:35

Tgt Ion:105 Resp: 4056

Ion Ratio Lower Upper

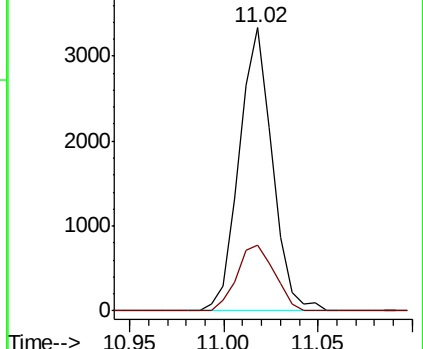
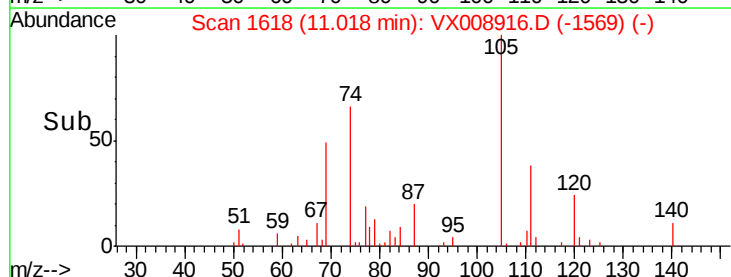
105 100

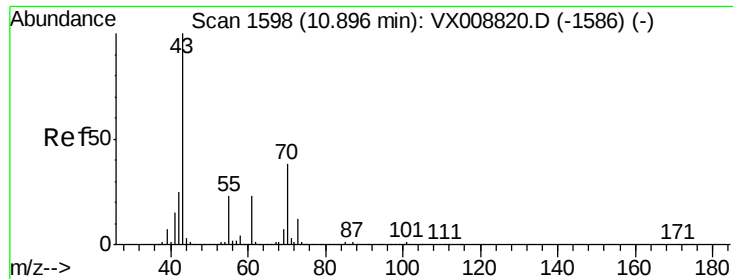
120 26.5 12.9 38.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 3.743 ug/l

RT: 10.91 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-3

Tot Ion: 43 Resp: 20778

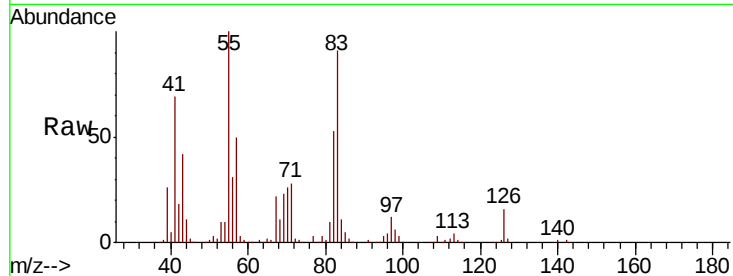
Ion Ratio Lower Upper

43 100

70 78.8 30.2 45.4#

55 235.8 18.2 27.4#

61 0.0 18.6 28.0#



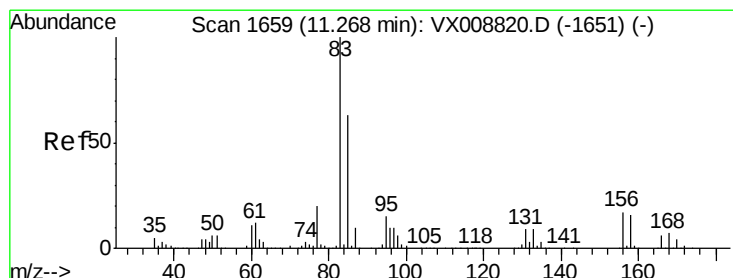
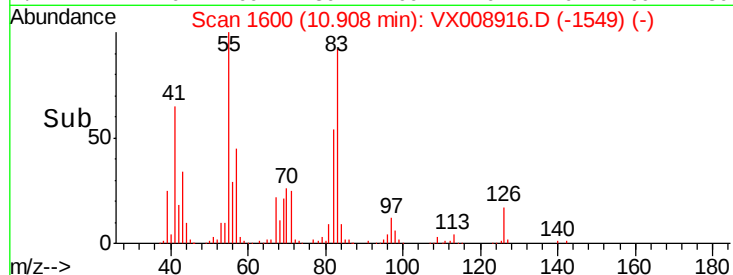
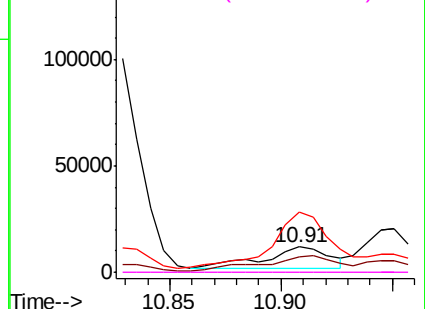
Abundance

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: 2.328 ug/l

RT: 11.27 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

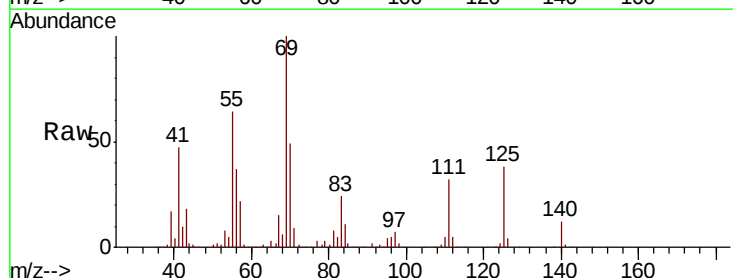
Tgt Ion: 83 Resp: 8355

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.7#

85 0.0 32.0 96.2#

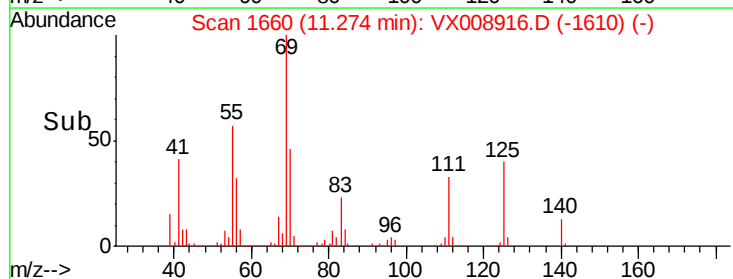
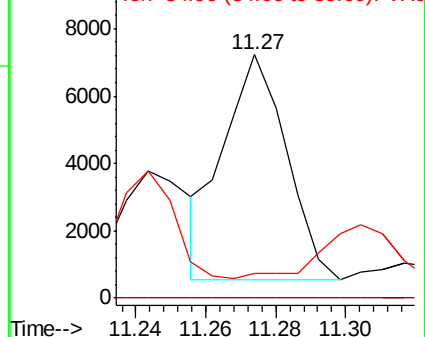


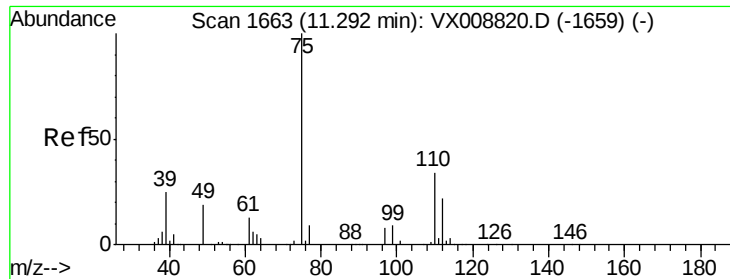
Abundance

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

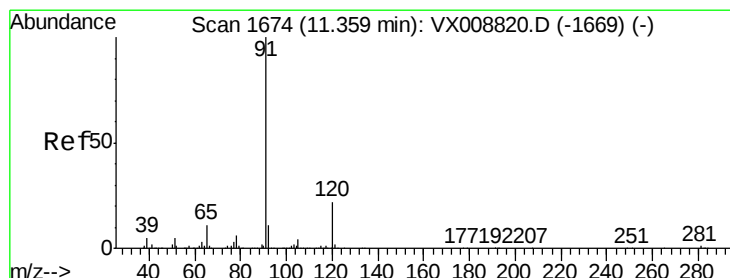
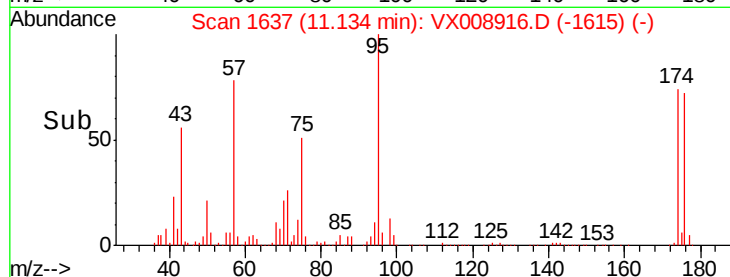
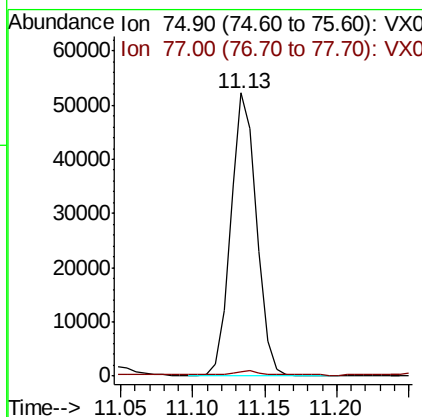
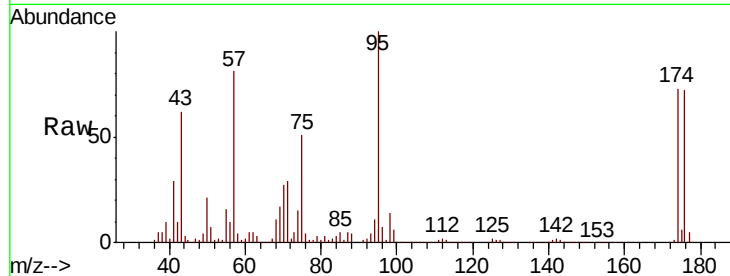




#76
1,2,3-Trichloropropane
Concen: 21.029 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

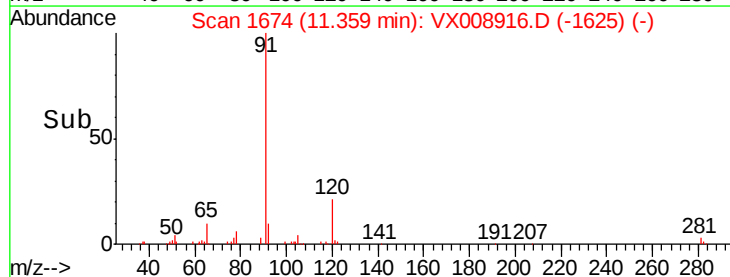
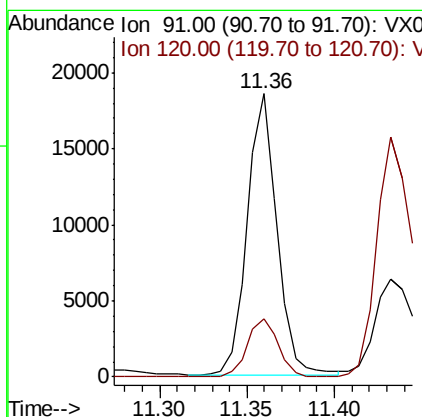
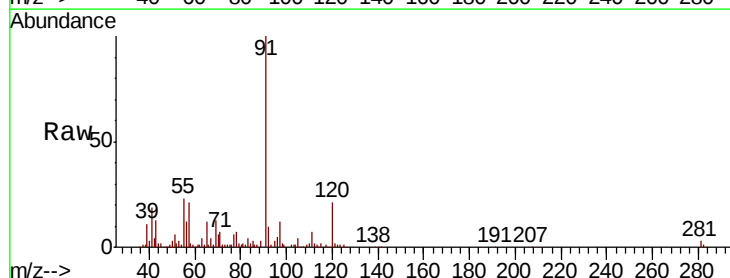
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

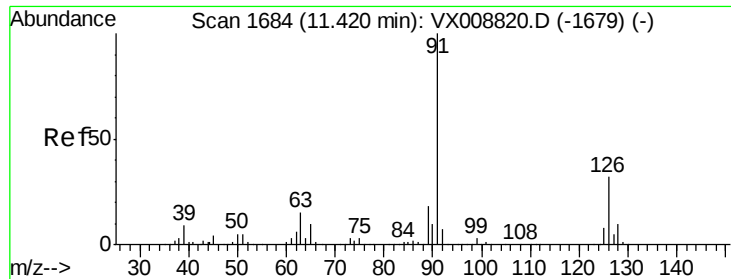
Tot Ion: 75 Resp: 65769
Ion Ratio Lower Upper
75 100
77 1.3 22.3 66.8#



#78
n-propylbenzene
Concen: 1.986 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 91 Resp: 21813
Ion Ratio Lower Upper
91 100
120 21.3 10.9 32.7

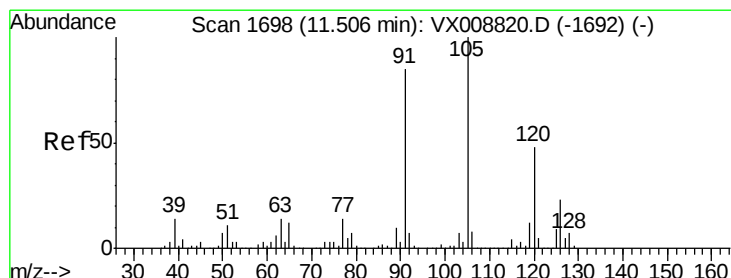
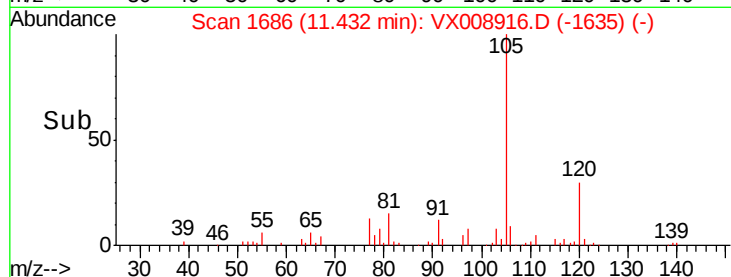
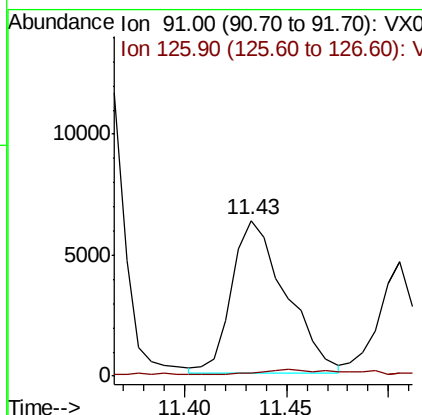
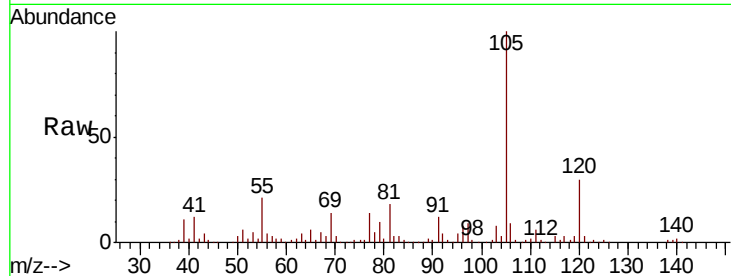




#79
 2-Chlorotoluene
 Concen: 1.743 ug/l
 RT: 11.43 min Scan# 1686
 Delta R.T. 0.01 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

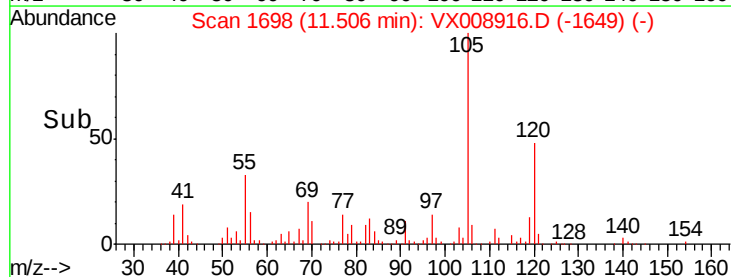
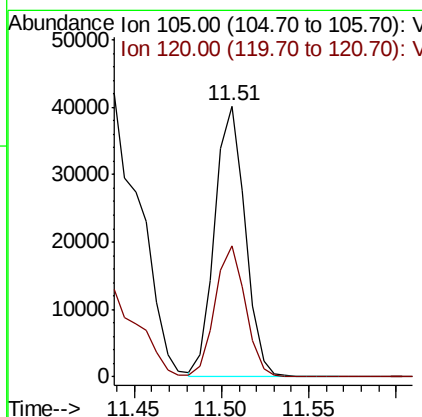
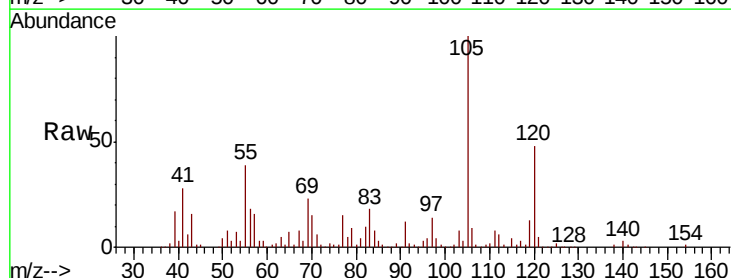
Instrument :
 MSVOA_X
 ClientSampled :
 CL-COMP-3

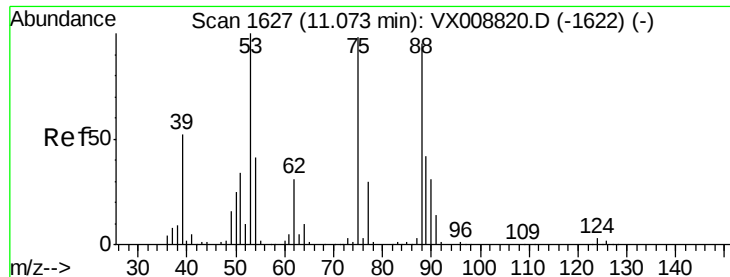
Tot Ion: 91 Resp: 11589
 Ion Ratio Lower Upper
 91 100
 126 3.2 16.1 48.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 6.124 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Tgt Ion: 105 Resp: 48503
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 2.355 ug/l

RT: 11.05 min Scan# 1623

Delta R.T. -0.02 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-3

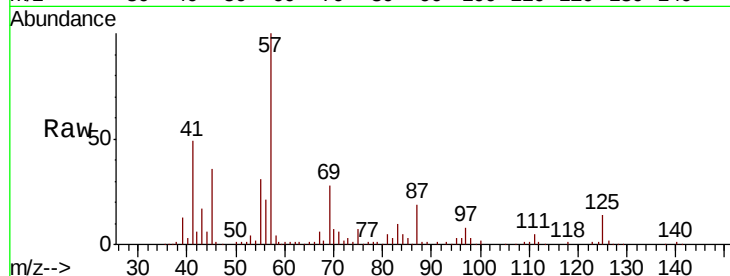
Tot Ion: 75 Resp: 2672

Ion Ratio Lower Upper

75 100

53 41.6 81.3 121.9#

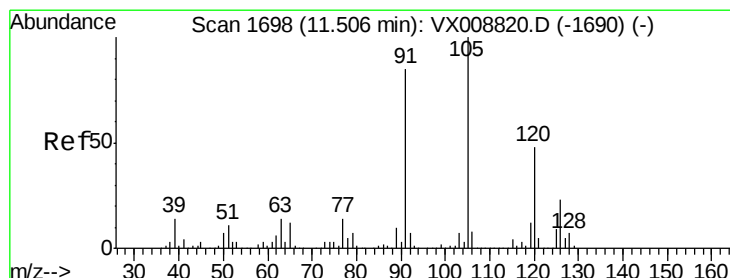
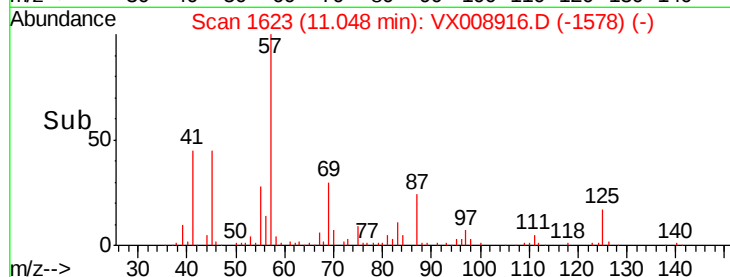
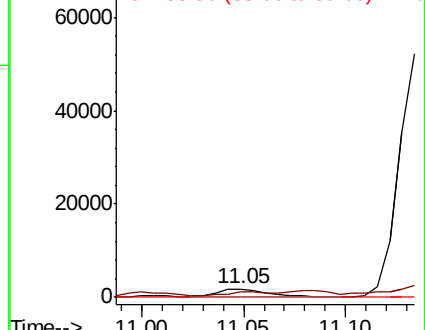
89 7.4 35.6 53.4#



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: 0.813 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX008916.D

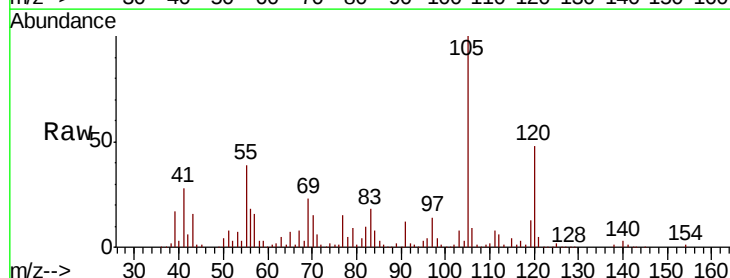
Acq: 13 Apr 2019 03:35

Tgt Ion: 91 Resp: 6254

Ion Ratio Lower Upper

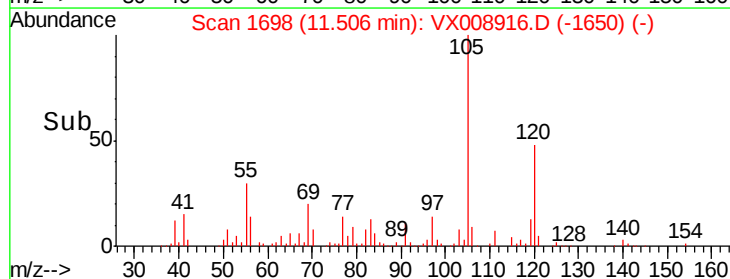
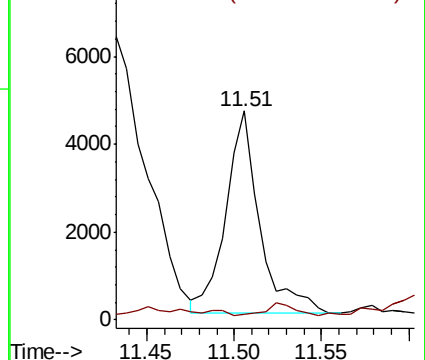
91 100

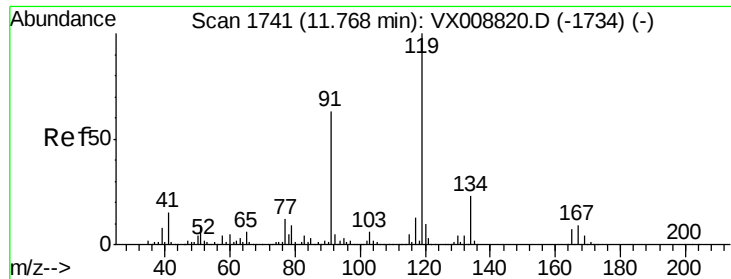
126 4.5 13.9 41.6#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

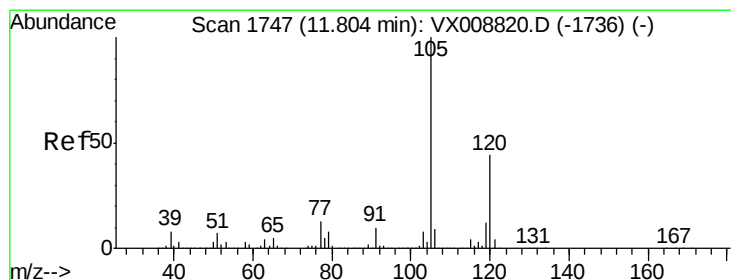
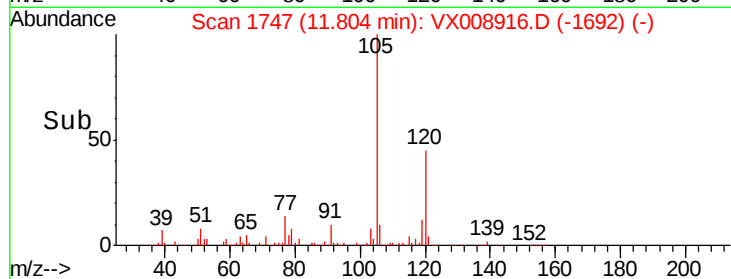
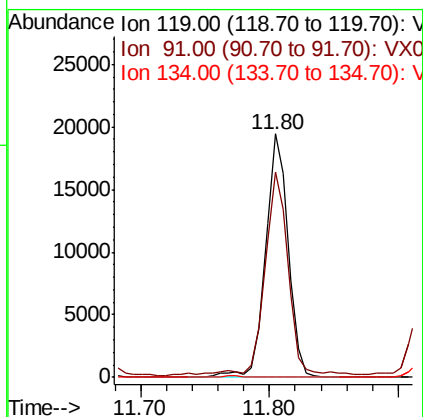
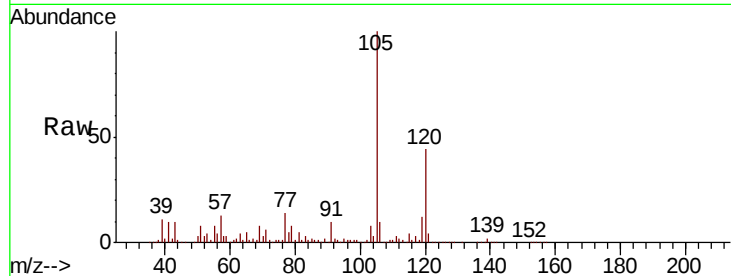




#83
tert-Butylbenzene
Concen: 3.106 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.04 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

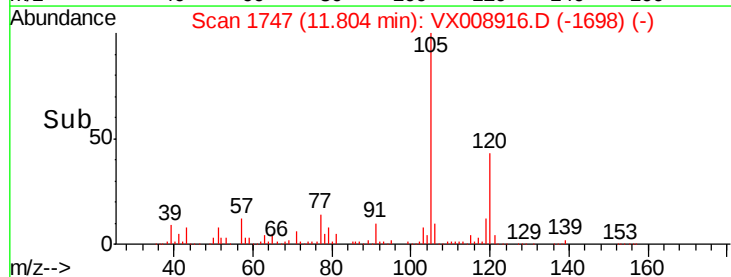
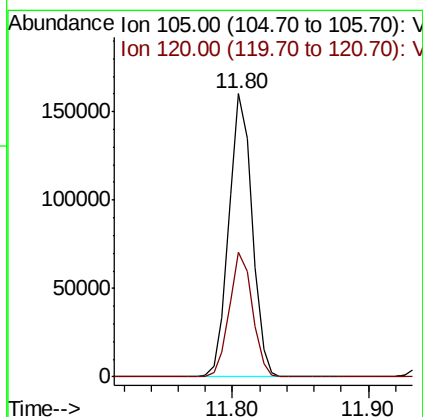
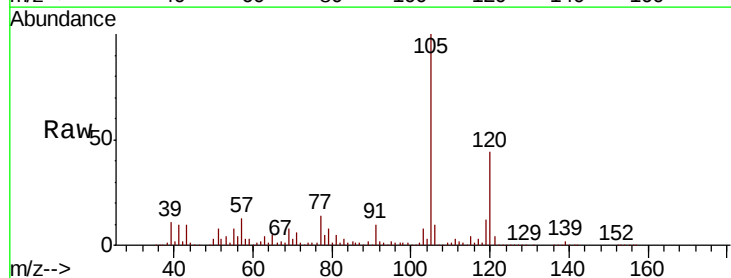
Instrument :
MSVOA_X
ClientSampled :
CL-COMP-3

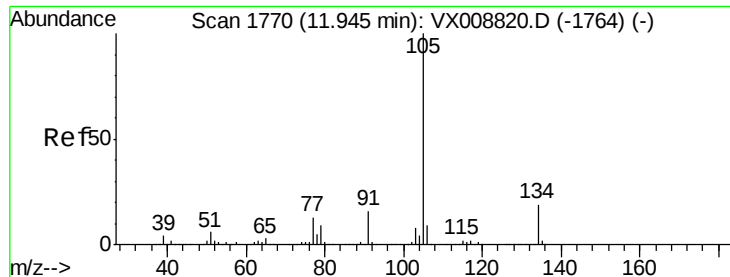
Tot Ion:119 Resp: 23666
Ion Ratio Lower Upper
119 100
91 85.5 30.0 90.1
134 0.0 11.1 33.3#



#84
1,2,4-Trimethylbenzene
Concen: 23.693 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion:105 Resp: 190006
Ion Ratio Lower Upper
105 100
120 43.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 1.867 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampleId :

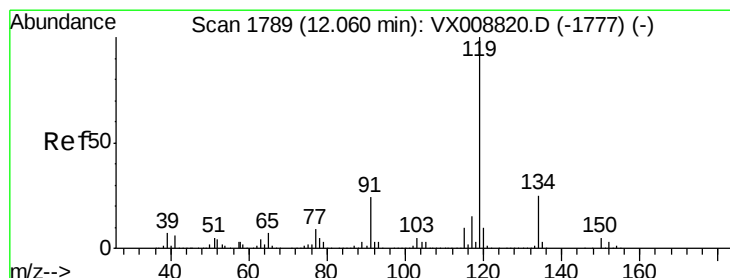
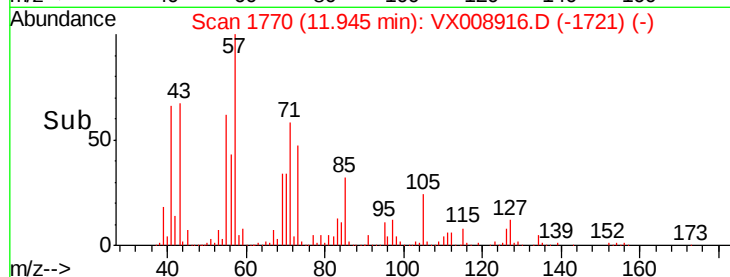
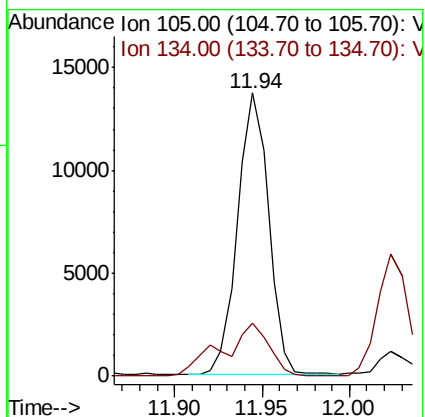
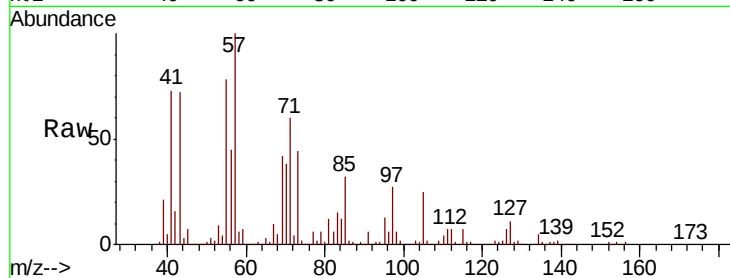
CL-COMP-3

Tot Ion:105 Resp: 16900

Ion Ratio Lower Upper

105 100

134 17.1 9.4 28.2



#86

p-Isopropyltoluene

Concen: 3.130 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.04 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

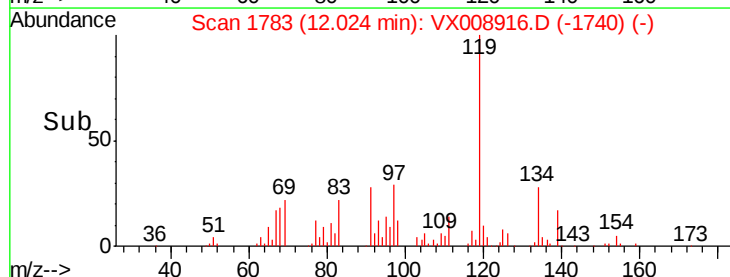
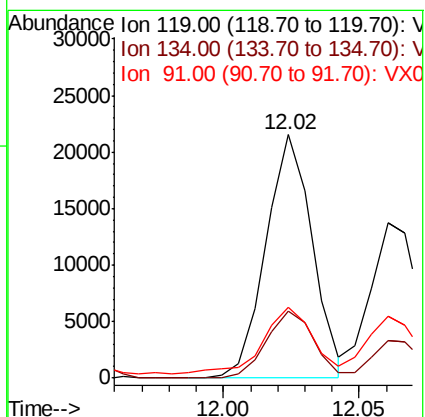
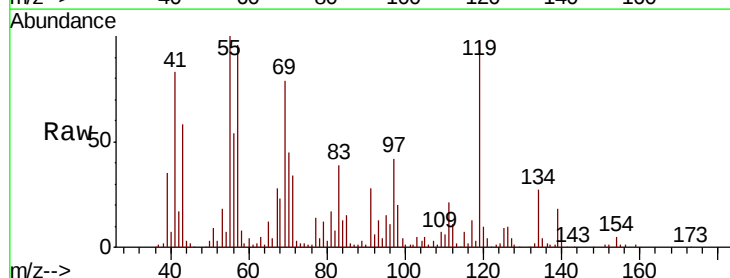
Tgt Ion:119 Resp: 25427

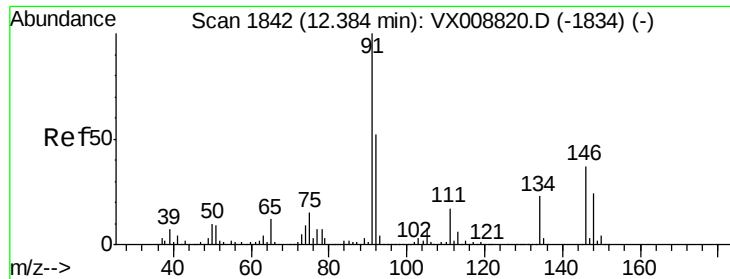
Ion Ratio Lower Upper

119 100

134 27.9 12.8 38.4

91 28.4 12.2 36.6

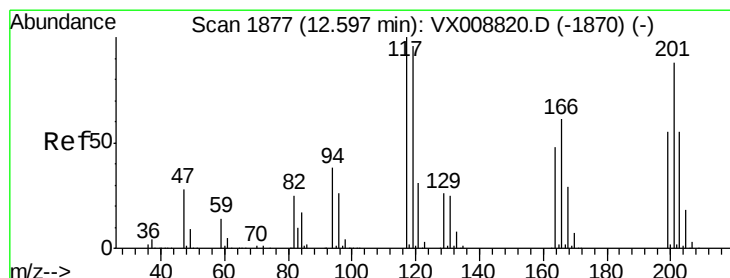
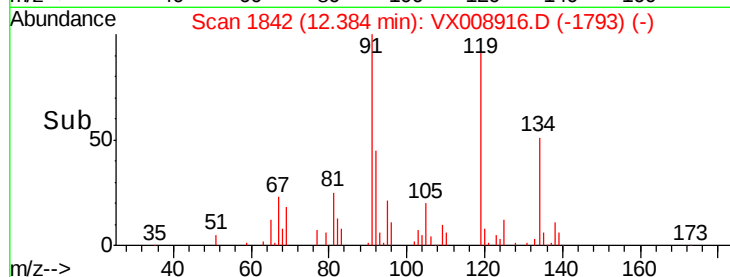
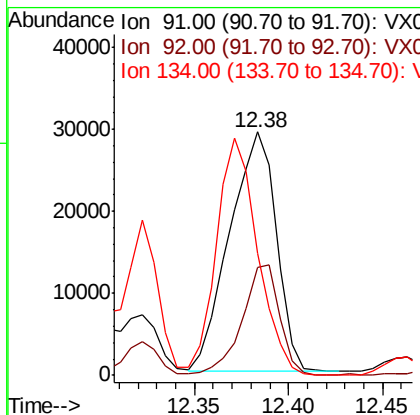
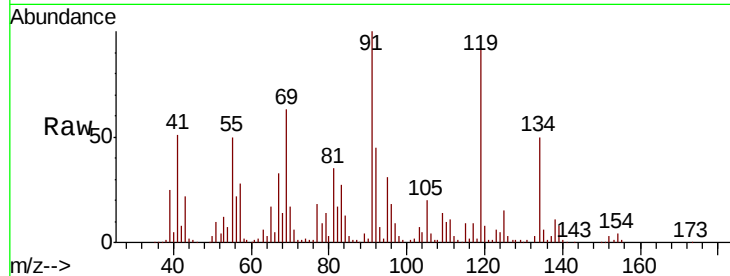




#89
n-Butylbenzene
Concen: 6.611 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

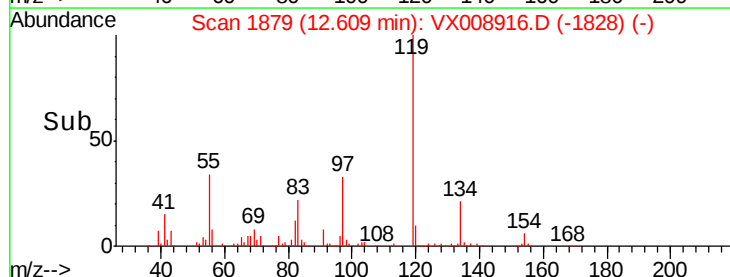
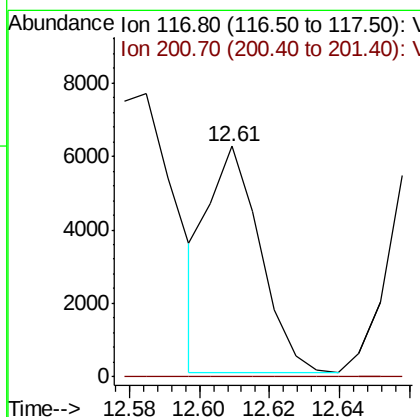
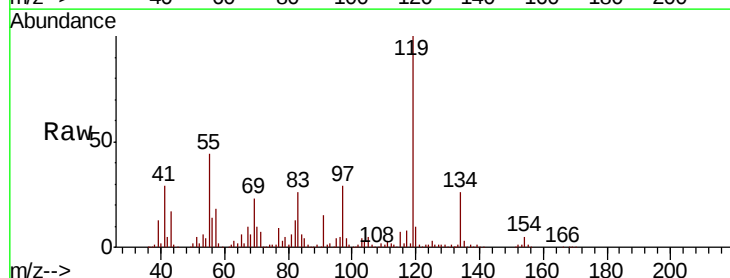
Instrument :
MSVOA_X
ClientSampleId :
CL-COMP-3

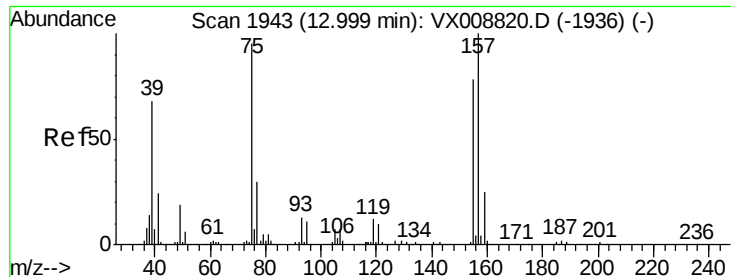
Tot Ion: 91 Resp: 50363
Ion Ratio Lower Upper
91 100
92 37.4 26.4 79.2
134 87.0 12.0 36.0#



#90
Hexachloroethane
Concen: 4.699 ug/l
RT: 12.61 min Scan# 1879
Delta R.T. 0.01 min
Lab File: VX008916.D
Acq: 13 Apr 2019 03:35

Tgt Ion: 117 Resp: 6331
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.660 ug/l

RT: 12.97 min Scan# 1939

Delta R.T. -0.02 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

Instrument :

MSVOA_X

ClientSampled :

CL-COMP-3

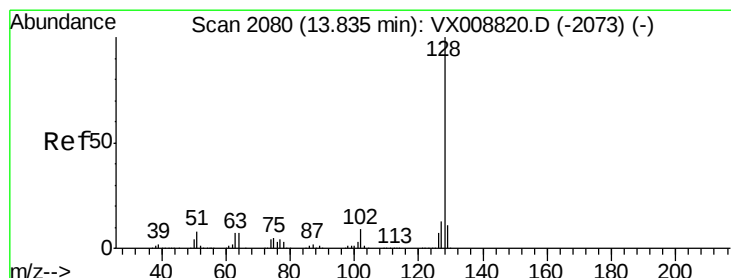
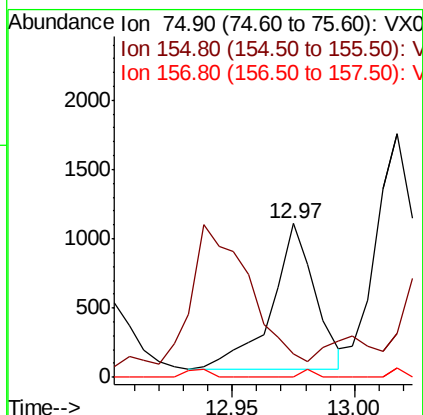
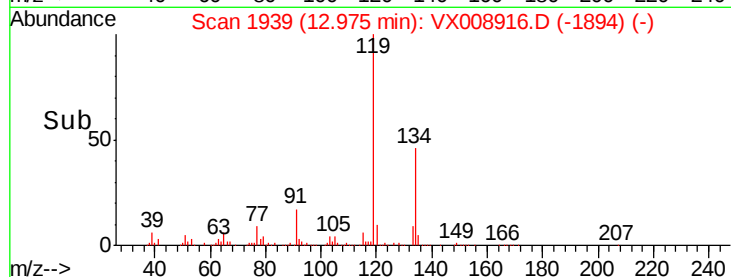
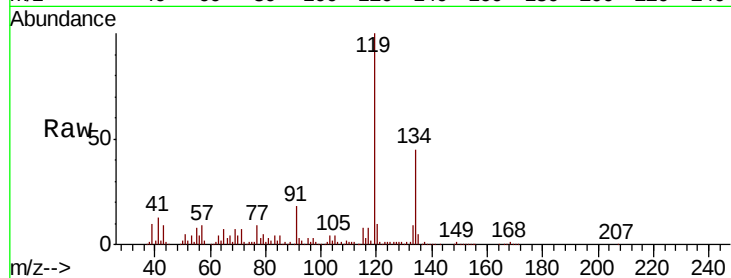
Tot Ion: 75 Resp: 1310

Ion Ratio Lower Upper

75 100

155 0.0 39.9 119.6#

157 1.6 51.5 154.7#



#95

Naphthalene

Concen: 29.805 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008916.D

Acq: 13 Apr 2019 03:35

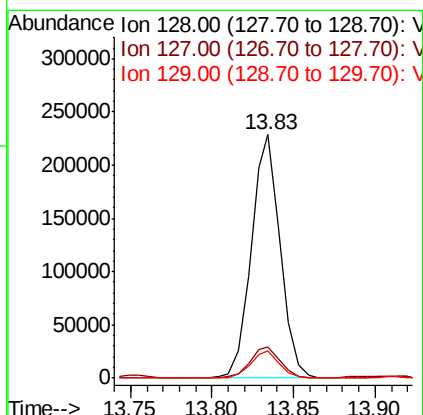
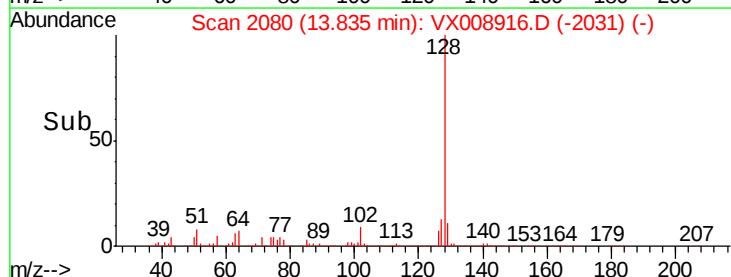
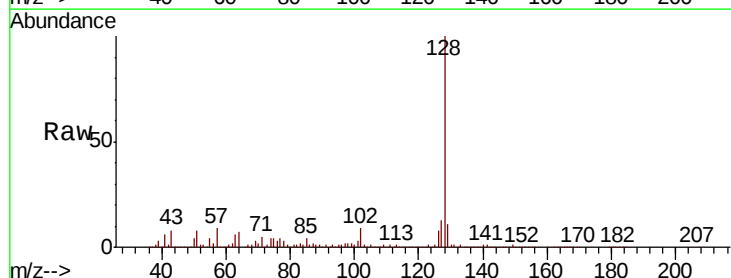
Tgt Ion: 128 Resp: 279233

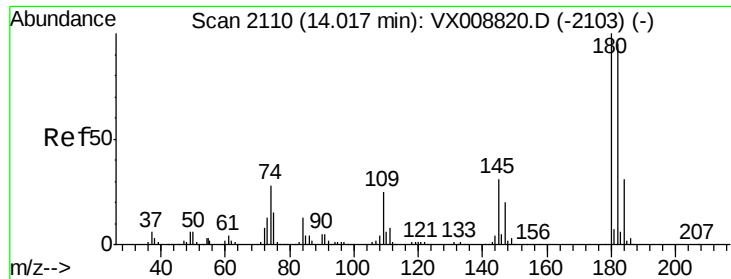
Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.2 8.6 13.0

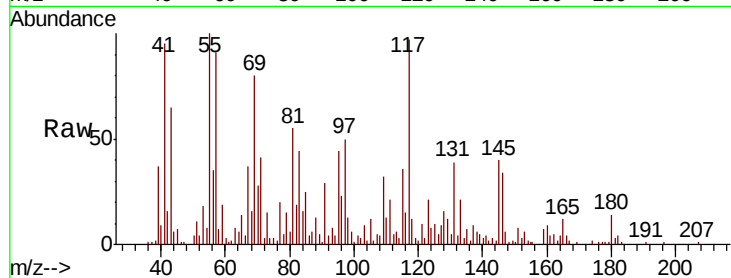




#96
 1,2,3-Trichlorobenzene
 Concen: 0.666 ug/l
 RT: 14.03 min Scan# 2112
 Delta R.T. 0.01 min
 Lab File: VX008916.D
 Acq: 13 Apr 2019 03:35

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-COMP-3

Tot Ion	Ratio	Lower	Upper
180	100		
182	17.1	48.1	144.3#
145	254.9	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

