

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061318\
 Data File : VN049216.D
 Acq On : 13 Jun 2018 22:18
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Jun 14 04:29:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	953252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1487702	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1436177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	735070	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	2072097	135.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	271.02%	
35) Dibromofluoromethane	7.59	113	1717846	139.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.80%	
50) Toluene-d8	10.09	98	6897493	145.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	291.18%	
62) 4-Bromofluorobenzene	12.40	95	2494567	158.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	317.06%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	1784711	127.32	ug/l	99
3) Chloromethane	2.06	50	1739836	121.15	ug/l	98
4) Vinyl Chloride	2.18	62	1851787	129.13	ug/l	100
5) Bromomethane	2.55	94	1054808	134.02	ug/l	96
6) Chloroethane	2.69	64	1180262	128.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	2528323	128.94	ug/l	99
8) Diethyl Ether	3.41	74	1060292	154.98	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1752237	147.05	ug/l	98
10) Methyl Iodide	3.95	142	2170627	190.04	ug/l	94
11) Tert butyl alcohol	4.81	59	631086	733.83	ug/l	97
12) 1,1-Dichloroethene	3.73	96	1668338	152.21	ug/l	98
13) Acrolein	3.61	56	918169	1158.19	ug/l	99
14) Allyl chloride	4.32	41	3347628	159.88	ug/l	88
15) Acrylonitrile	4.99	53	3403679	735.77	ug/l	99
16) Acetone	3.82	43	2404111	669.78	ug/l	94
17) Carbon Disulfide	4.05	76	5518872	152.21	ug/l	100
18) Methyl Acetate	4.33	43	1604381	138.52	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	4826961	148.72	ug/l	99
20) Methylene Chloride	4.55	84	1920056	143.77	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1812356	145.07	ug/l	98
22) Diisopropyl ether	5.96	45	6713983	150.82	ug/l	94
23) Vinyl Acetate	5.90	43	23203063	764.87	ug/l	100
24) 1,1-Dichloroethane	5.85	63	3618594	142.63	ug/l	99
25) 2-Butanone	6.84	43	3873289	711.44	ug/l	99
26) 2,2-Dichloropropane	6.82	77	2715795	135.26	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	2058011	147.19	ug/l	98
28) Bromochloromethane	7.20	49	1772578	160.33	ug/l	99
29) Tetrahydrofuran	7.22	42	2603310	745.58	ug/l	98
30) Chloroform	7.37	83	3448684	139.83	ug/l	100
31) Cyclohexane	7.65	56	3427492	146.57	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	2978311	141.40	ug/l	98
36) 1,1-Dichloropropene	7.79	75	2767470	148.70	ug/l	99
37) Ethyl Acetate	6.93	43	1749693	146.58	ug/l	99
38) Carbon Tetrachloride	7.77	117	2623357	143.57	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	3009434	154.74	ug/l	99
40) Benzene	8.04	78	8141284	146.00	ug/l	98
41) Methacrylonitrile	7.18	41	1101464	167.68	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	2584503	142.40	ug/l	99
43) Isopropyl Acetate	8.17	43	3280307	144.06	ug/l	98
44) Trichloroethene	8.84	130	1983011	145.22	ug/l	100
45) 1,2-Dichloropropane	9.12	63	2223185	145.58	ug/l	99
46) Dibromomethane	9.21	93	1205815	141.74	ug/l	98
47) Bromodichloromethane	9.40	83	2755204	145.96	ug/l	98
48) Methyl methacrylate	9.20	41	1673533	154.00	ug/l	92
49) 1,4-Dioxane	9.20	88	366247	3001.84	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	9100062	756.54	ug/l	98
52) Toluene	10.16	92	4937555	147.70	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	2963017	157.42	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	3341948	152.88	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	1725651	144.84	ug/l	99
56) Ethyl methacrylate	10.43	69	2502278	161.70	ug/l #	93
57) 1,3-Dichloropropane	10.71	76	3077886	148.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	4329070	846.21	ug/l	99
59) 2-Hexanone	10.76	43	5891231	760.98	ug/l	97
60) Dibromochloromethane	10.90	129	2008611	151.04	ug/l	98
61) 1,2-Dibromoethane	11.01	107	1658084	148.72	ug/l	99
64) Tetrachloroethene	10.63	164	1844283	132.80	ug/l	99
65) Chlorobenzene	11.44	112	5299974	143.43	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1943312	140.88	ug/l	99
67) Ethyl Benzene	11.51	91	9796522	149.02	ug/l	100
68) m/p-Xylenes	11.62	106	7306138	298.99	ug/l	99
69) o-Xylene	11.95	106	3555246	151.38	ug/l	99
70) Styrene	11.97	104	5914471	156.69	ug/l	99
71) Bromoform	12.13	173	1321886	146.55	ug/l #	100
73) Isopropylbenzene	12.25	105	9496006	139.34	ug/l	100
74) N-amyl acetate	12.07	43	2979716	147.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	2080634	125.07	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	2741670	193.73	ug/l #	100
77) Bromobenzene	12.53	156	2219806	138.67	ug/l	99
78) n-propylbenzene	12.59	91	11324954	145.49	ug/l	99
79) 2-Chlorotoluene	12.68	91	6679124	141.35	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	7775289	142.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	624726	140.76	ug/l	91
82) 4-Chlorotoluene	12.78	91	6754197	145.13	ug/l	99
83) tert-Butylbenzene	13.00	119	6488267	141.44	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	7906546	143.78	ug/l	100
85) sec-Butylbenzene	13.17	105	9073591	145.20	ug/l	99
86) p-Isopropyltoluene	13.29	119	7708091	148.36	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	3964904	143.85	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3856788	144.44	ug/l	100
89) n-Butylbenzene	13.62	91	6800408	161.84	ug/l	99
90) Hexachloroethane	13.88	117	1489856	134.04	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	3708003	140.00	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	327823	136.47	ug/l	97

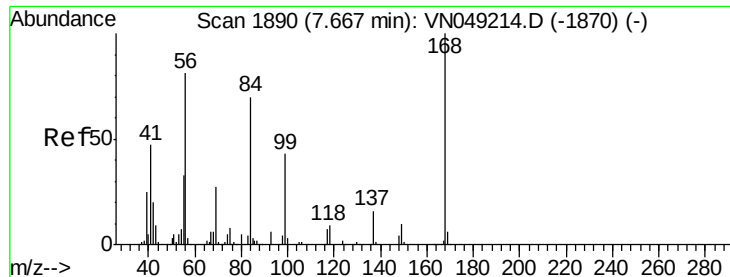
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061318\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1919570	183.09	ug/l	98
94) Hexachlorobutadiene	15.01	225	1030914	128.95	ug/l	99
95) Naphthalene	15.14	128	4308049	187.41	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1874079	175.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

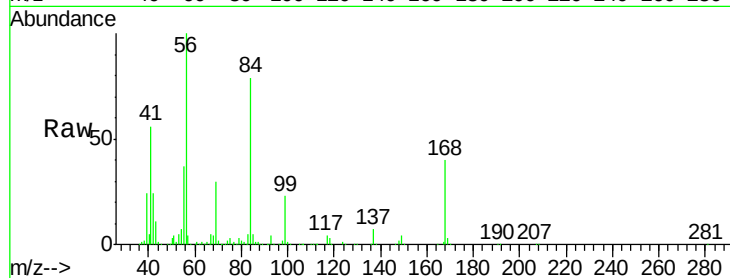
VSTDIC150

Tgt Ion:168 Resp: 953252

Ion Ratio Lower Upper

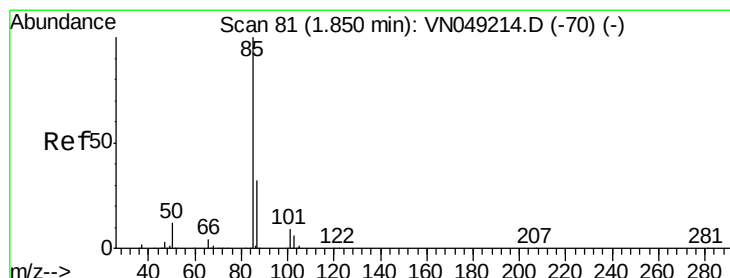
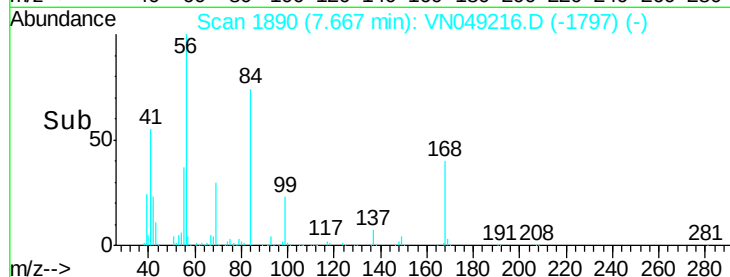
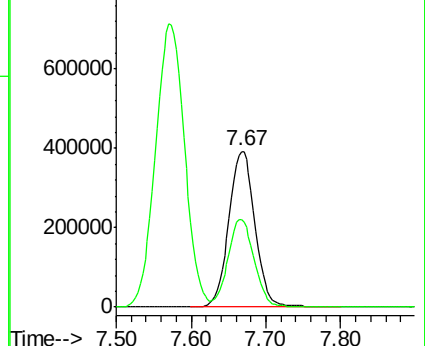
168 100

99 55.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 127.32 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049216.D

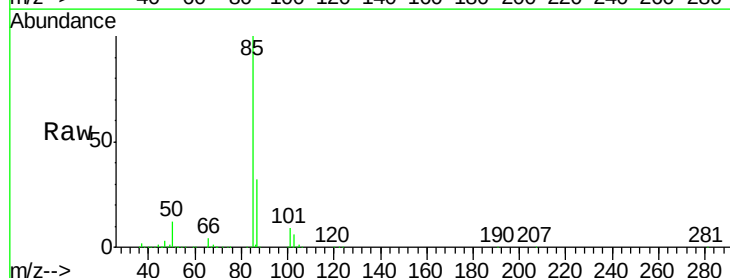
Acq: 13 Jun 2018 22:18

Tgt Ion: 85 Resp: 1784711

Ion Ratio Lower Upper

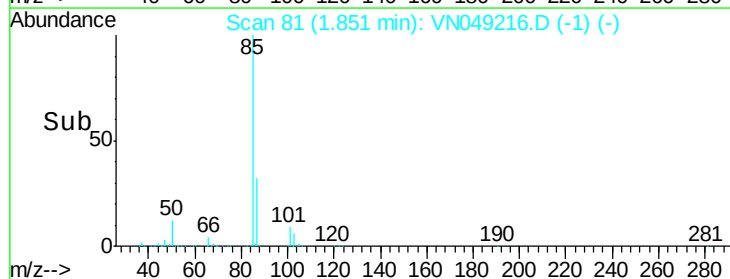
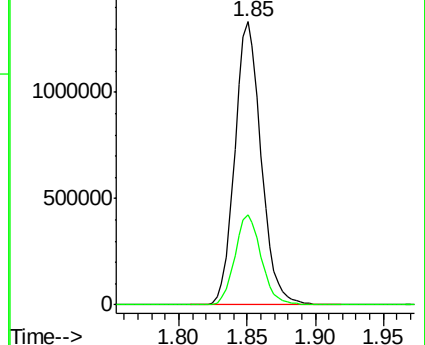
85 100

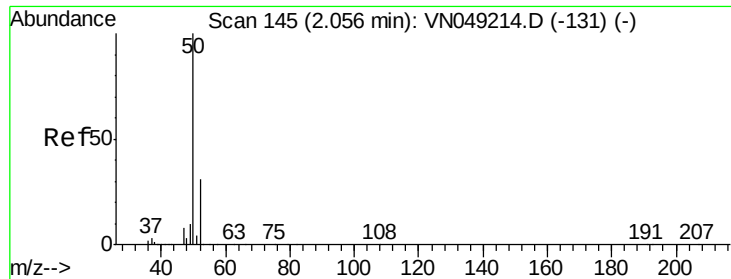
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 121.15 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

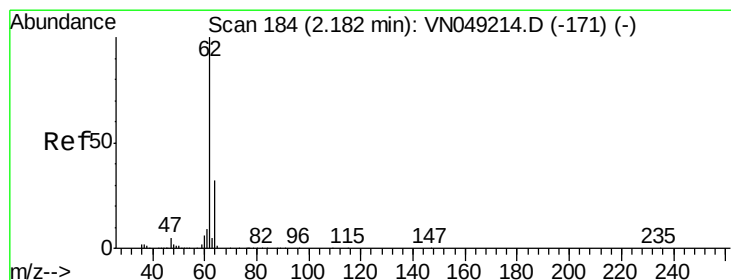
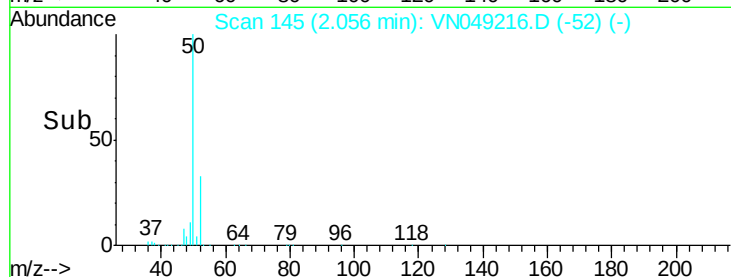
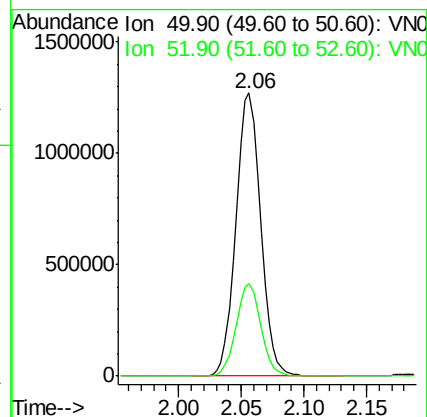
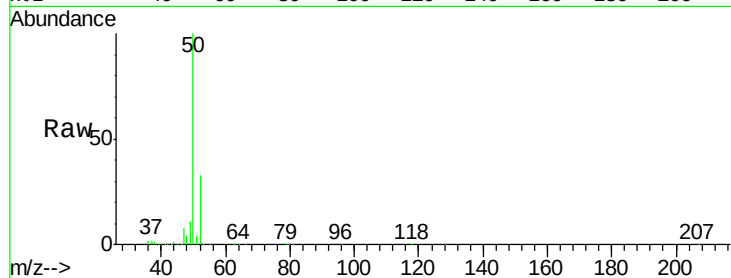
VSTDIC150

Tgt Ion: 50 Resp: 1739836

Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8



#4

Vinyl Chloride

Concen: 129.13 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049216.D

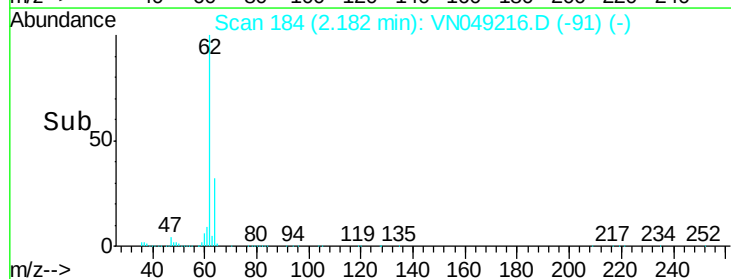
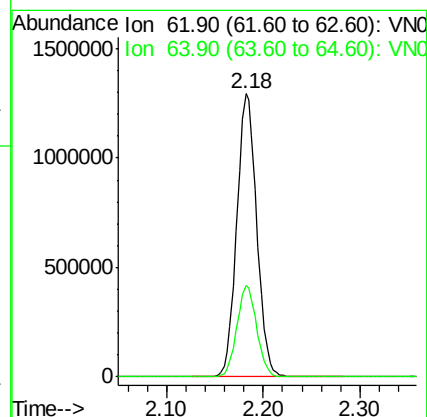
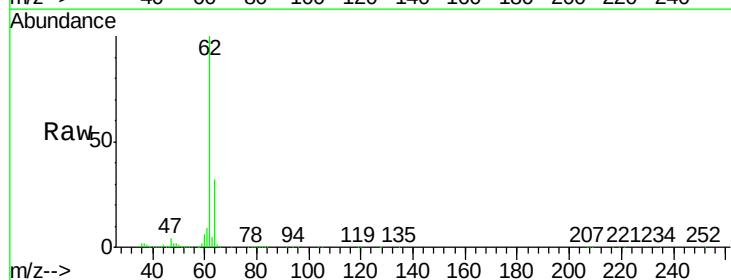
Acq: 13 Jun 2018 22:18

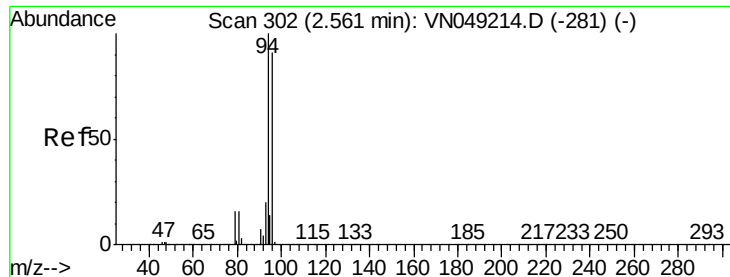
Tgt Ion: 62 Resp: 1851787

Ion Ratio Lower Upper

62 100

64 32.1 25.7 38.5





#5

Bromomethane

Concen: 134.02 ug/l

RT: 2.55 min Scan# 297

Delta R.T. -0.02 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

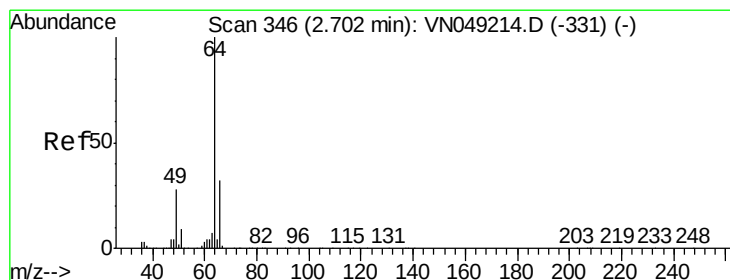
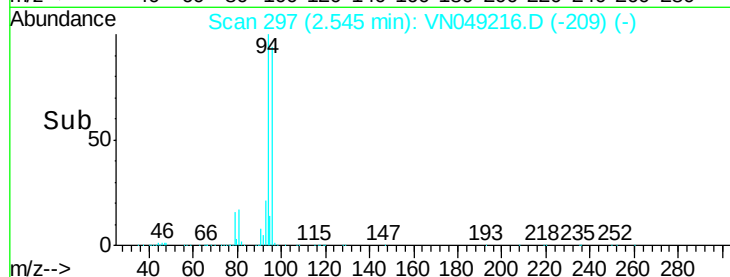
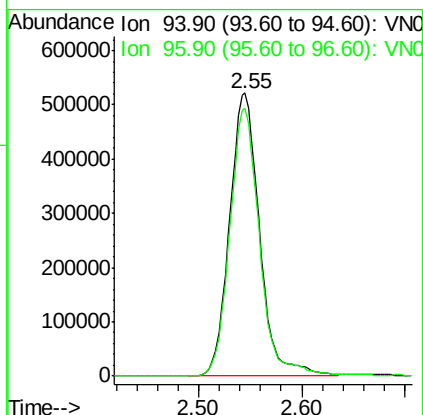
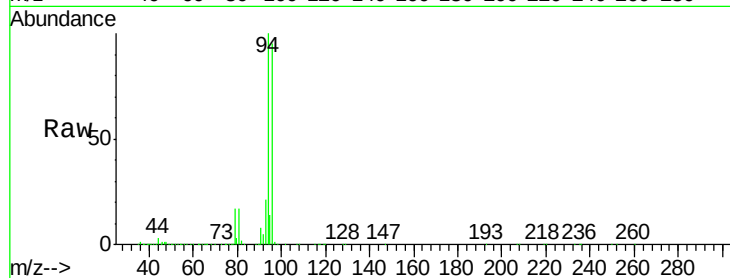
VSTDIC150

Tgt Ion: 94 Resp: 1054808

Ion Ratio Lower Upper

94 100

96 94.5 72.8 109.2



#6

Chloroethane

Concen: 128.14 ug/l

RT: 2.69 min Scan# 343

Delta R.T. -0.01 min

Lab File: VN049216.D

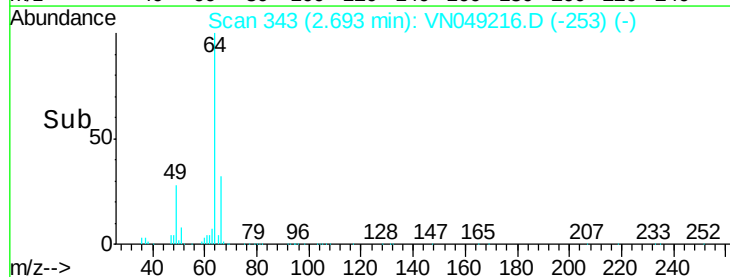
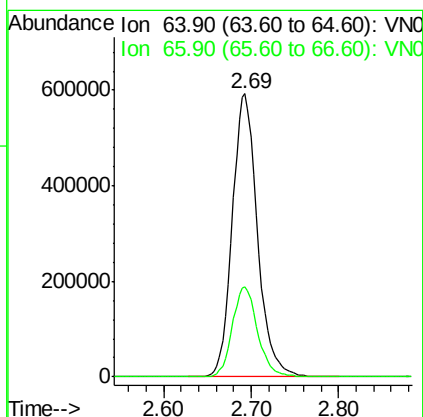
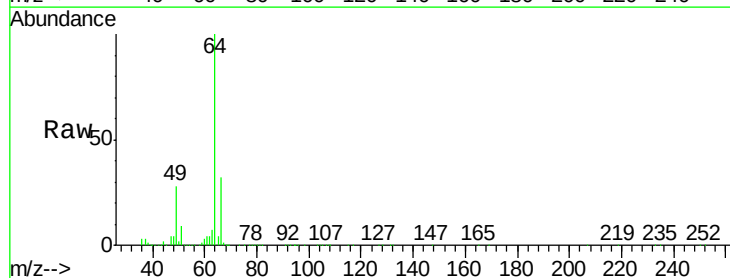
Acq: 13 Jun 2018 22:18

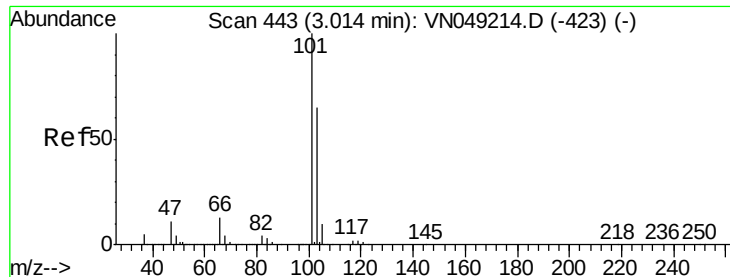
Tgt Ion: 64 Resp: 1180262

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4



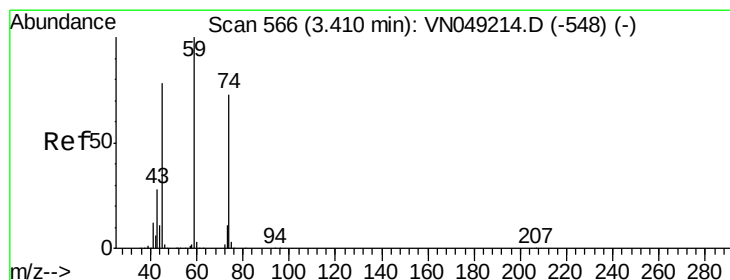
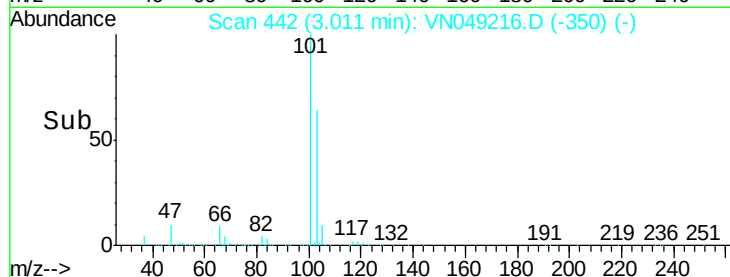
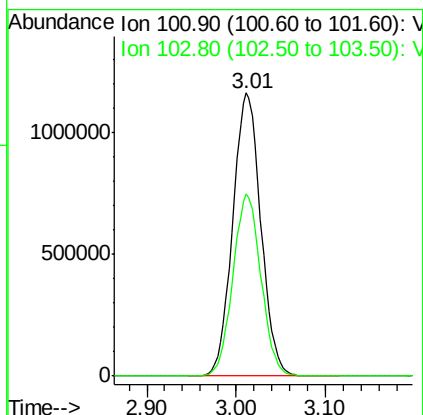
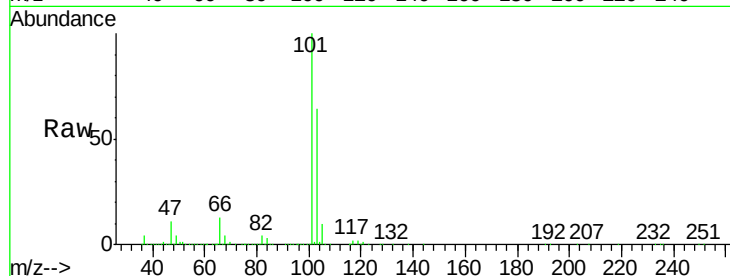


#7

Trichlorofluoromethane
 Concen: 128.94 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

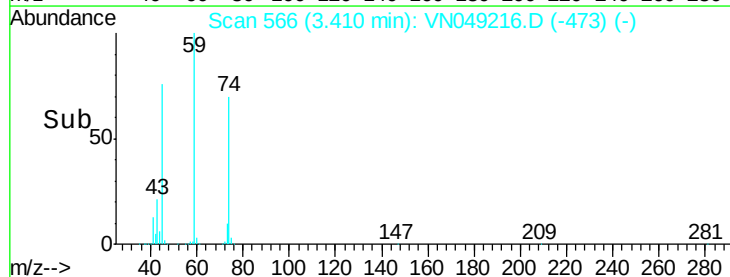
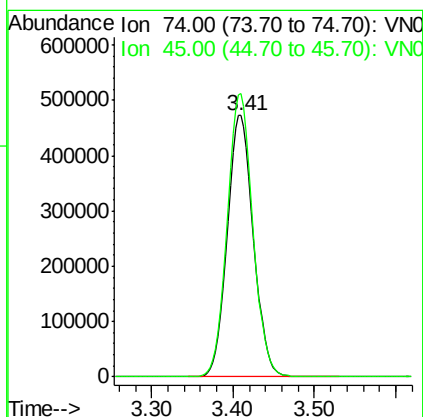
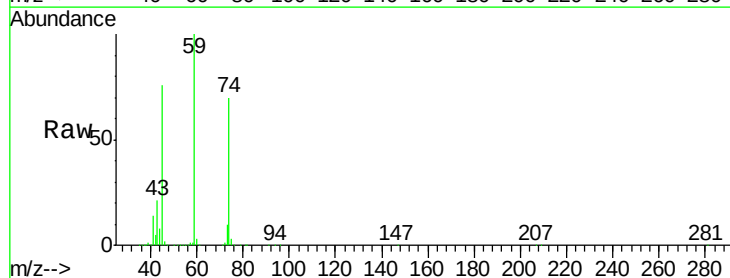
Tgt Ion:101 Resp: 2528323
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.7 77.5

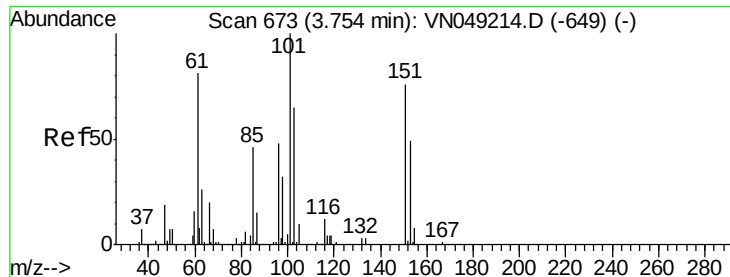


#8

Diethyl Ether
 Concen: 154.98 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 74 Resp: 1060292
 Ion Ratio Lower Upper
 74 100
 45 106.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.05 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

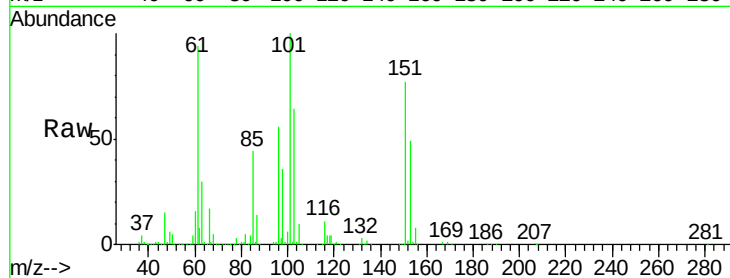
Tgt Ion:101 Resp: 1752237

Ion Ratio Lower Upper

101 100

85 43.9 37.6 56.4

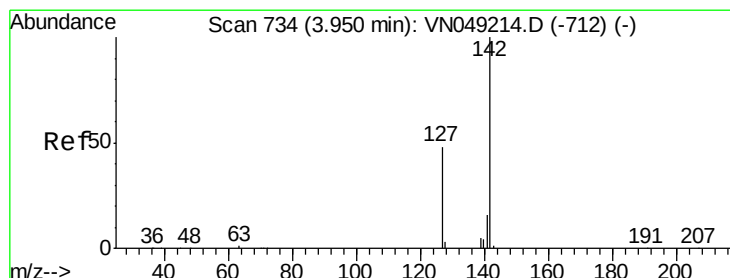
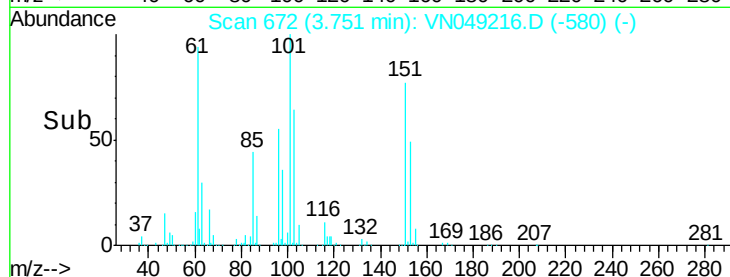
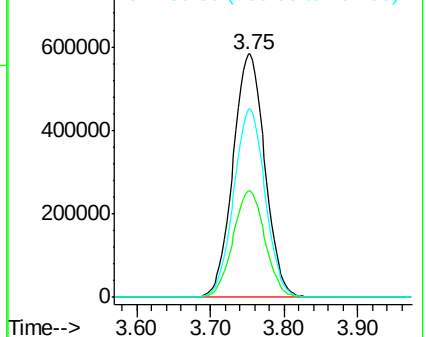
151 76.5 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 190.04 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

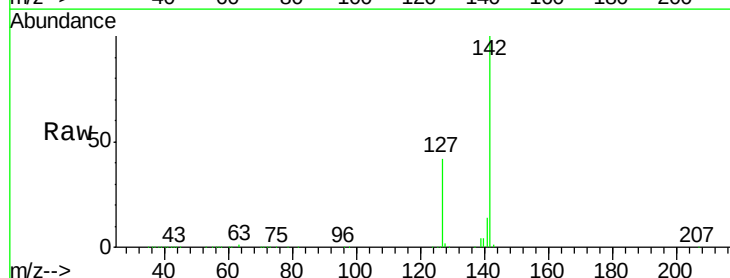
Tgt Ion:142 Resp: 2170627

Ion Ratio Lower Upper

142 100

127 43.0 38.2 57.4

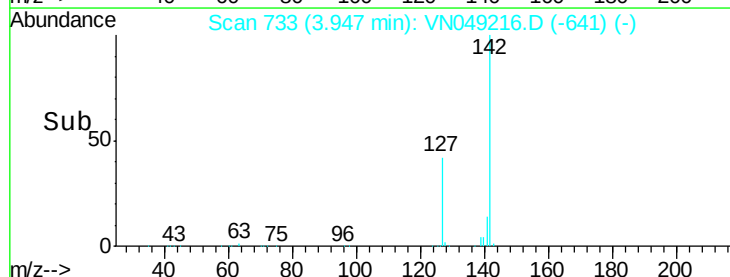
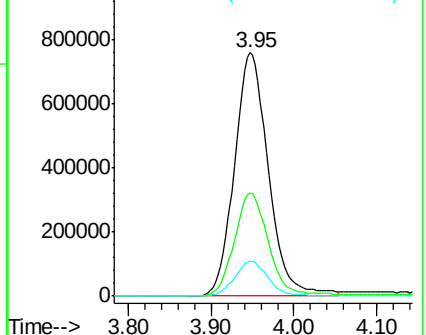
141 14.2 11.9 17.9

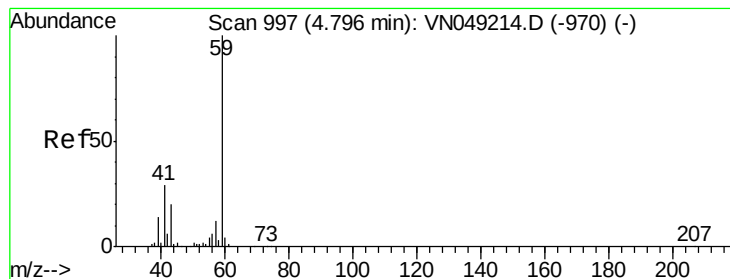


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 733.83 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

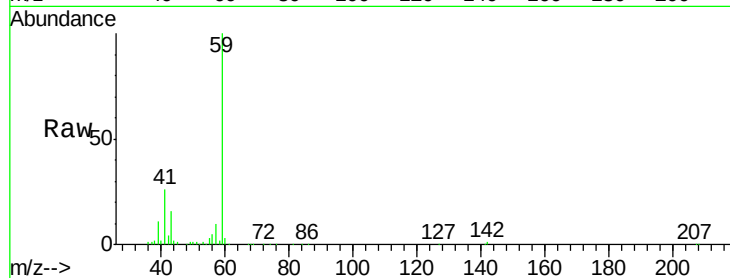
VSTDIC150

Tgt Ion: 59 Resp: 631086

Ion Ratio Lower Upper

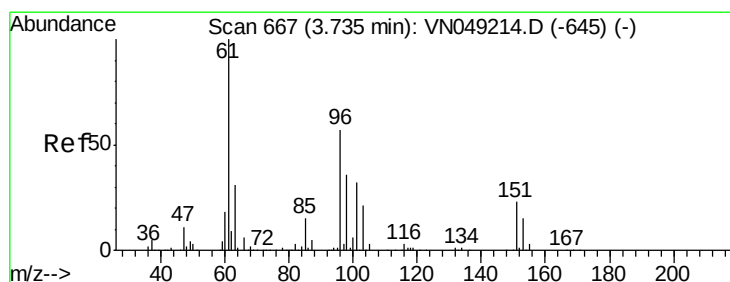
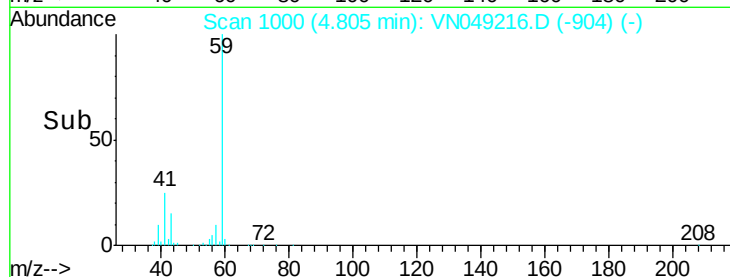
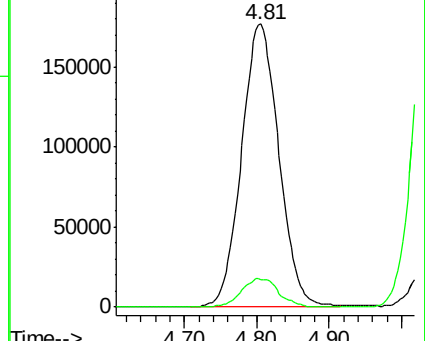
59 100

57 10.3 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN049216.D (-904) (-)

Ion 57.00 (56.70 to 57.70): VN049216.D (-904) (-)



#12

1,1-Dichloroethene

Concen: 152.21 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

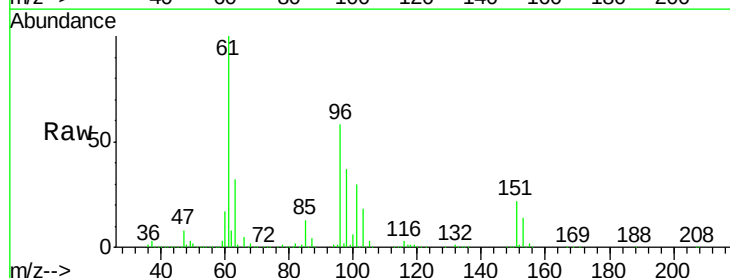
Tgt Ion: 96 Resp: 1668338

Ion Ratio Lower Upper

96 100

61 173.8 141.0 211.4

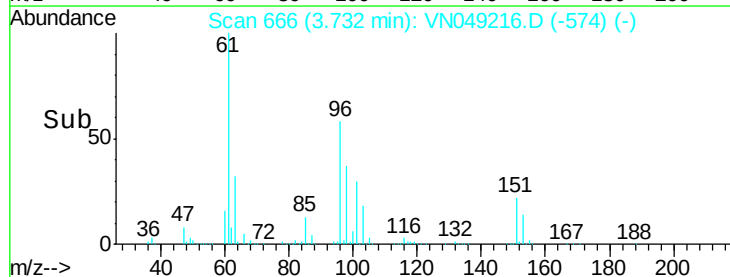
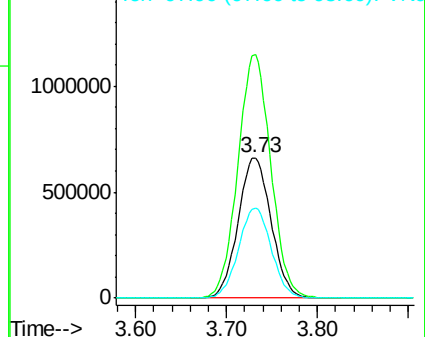
98 64.5 50.4 75.6

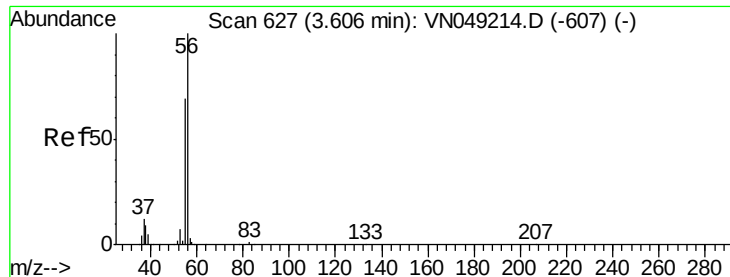


Abundance Ion 95.90 (95.60 to 96.60): VN049216.D (-574) (-)

Ion 60.90 (60.60 to 61.60): VN049216.D (-574) (-)

Ion 97.90 (97.60 to 98.60): VN049216.D (-574) (-)

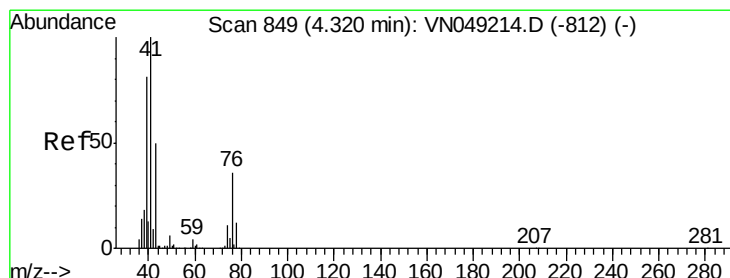
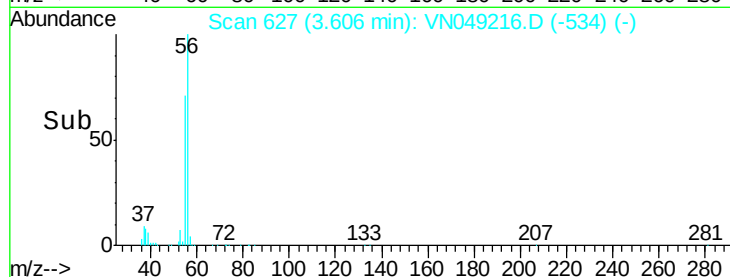
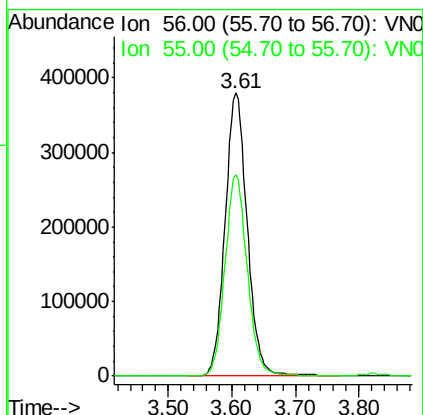
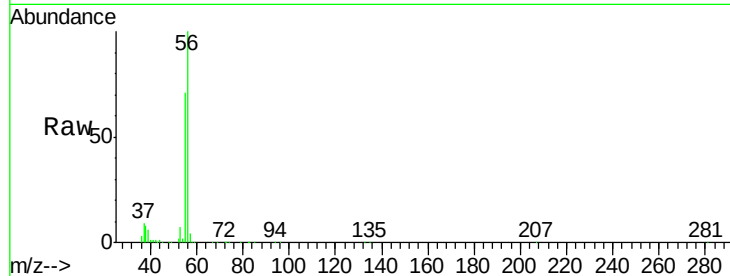




#13
 Acrolein
 Concen: 1158.19 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

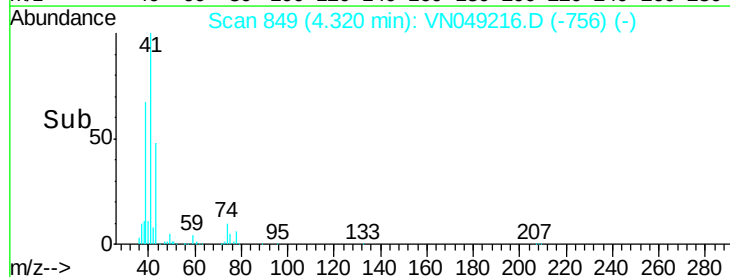
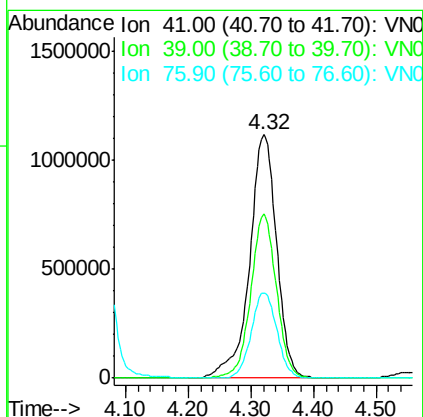
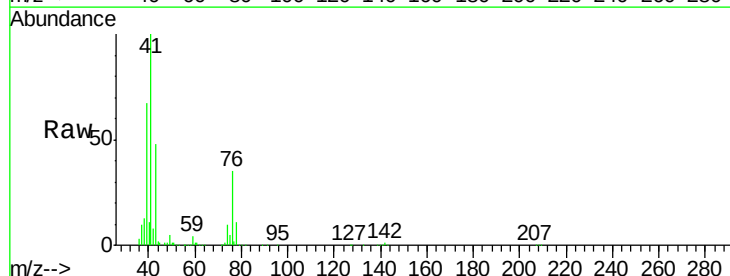
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

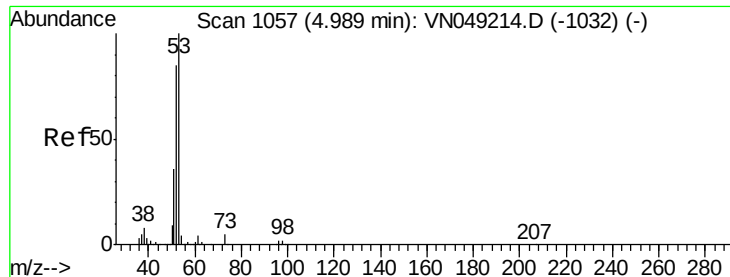
Tgt Ion: 56 Resp: 918169
 Ion Ratio Lower Upper
 56 100
 55 70.9 57.1 85.7



#14
 Allyl chloride
 Concen: 159.88 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 41 Resp: 3347628
 Ion Ratio Lower Upper
 41 100
 39 63.7 62.5 93.7
 76 33.0 27.1 40.7



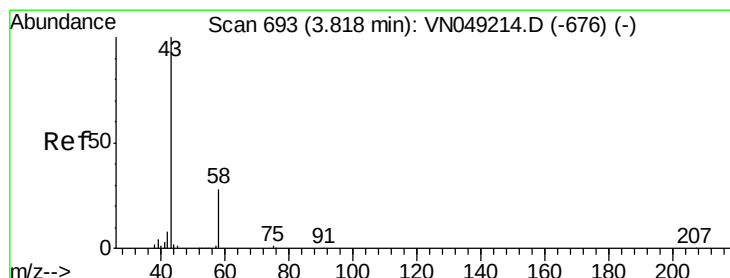
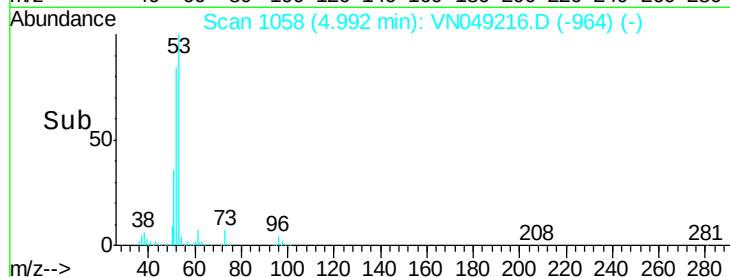
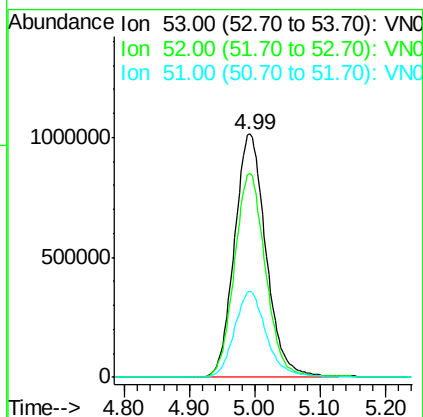
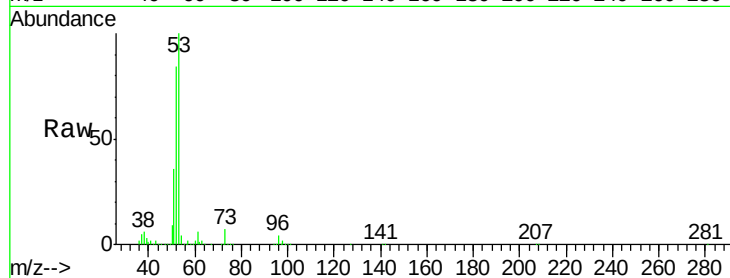


#15
 Acrylonitrile
 Concen: 735.77 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 53 Resp: 3403679

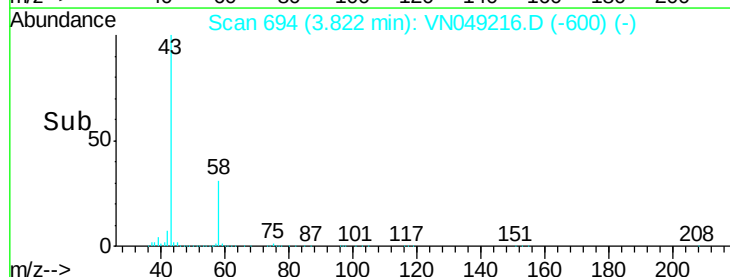
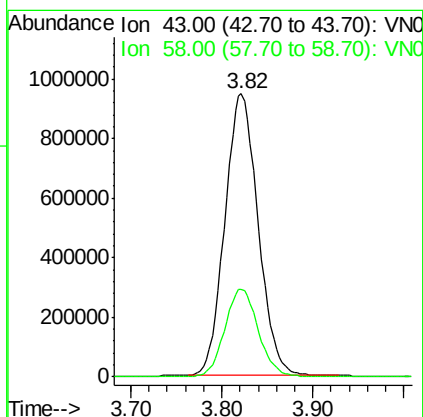
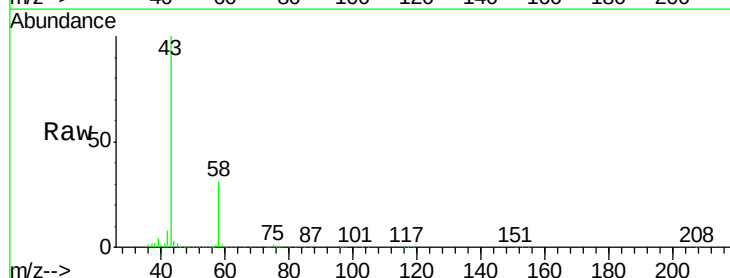
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.9	29.8	44.8

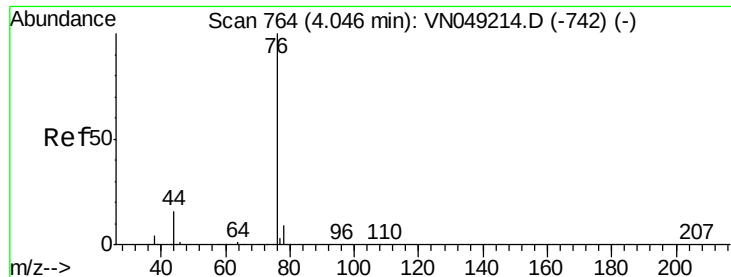


#16
 Acetone
 Concen: 669.78 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 43 Resp: 2404111

Ion	Ratio	Lower	Upper
43	100		
58	31.1	22.4	33.6





#17

Carbon Disulfide

Concen: 152.21 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

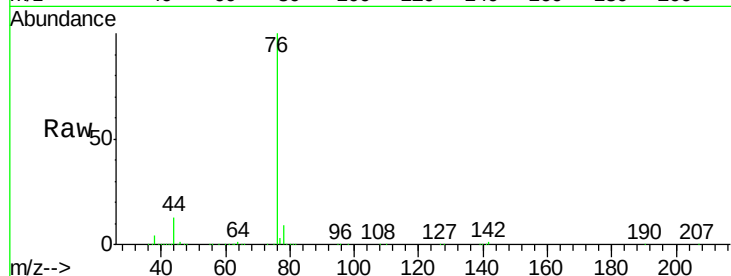
VSTDIC150

Tgt Ion: 76 Resp: 5518872

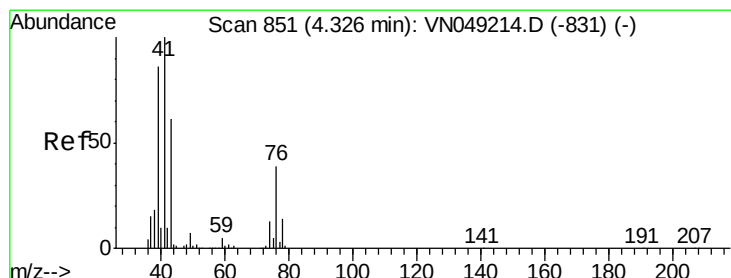
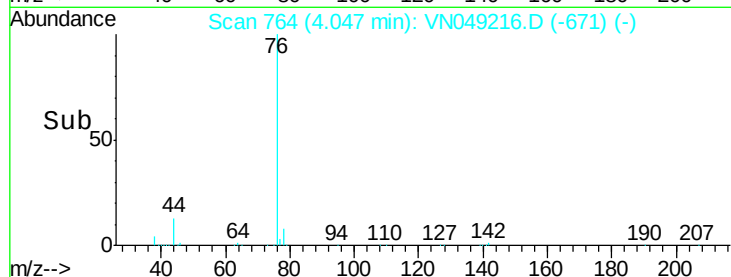
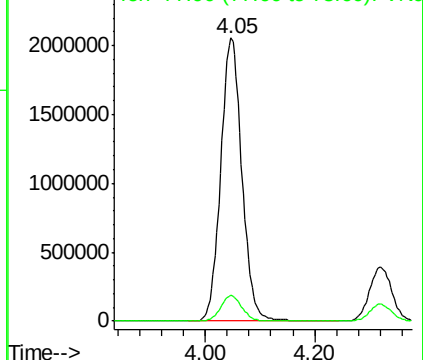
Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 138.52 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049216.D

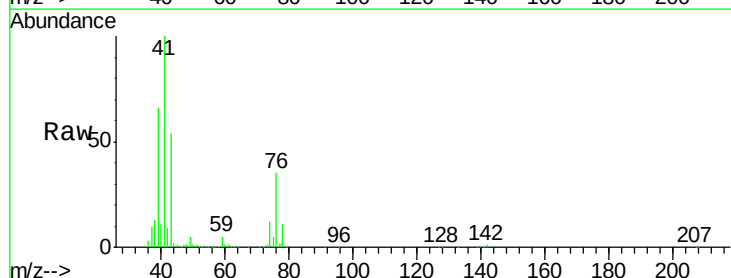
Acq: 13 Jun 2018 22:18

Tgt Ion: 43 Resp: 1604381

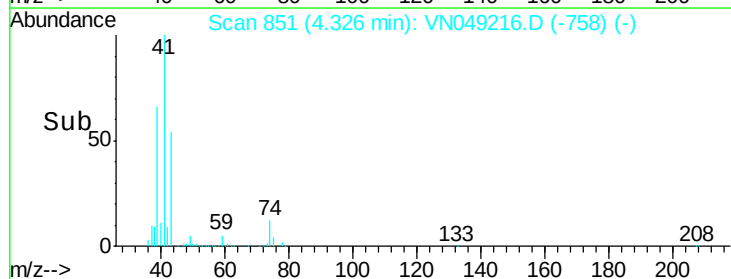
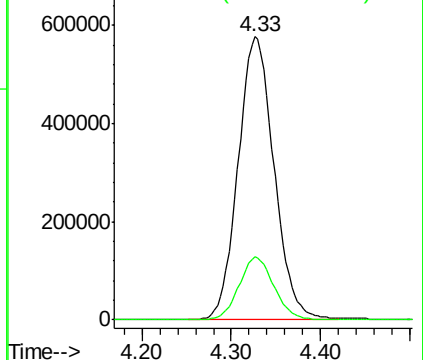
Ion Ratio Lower Upper

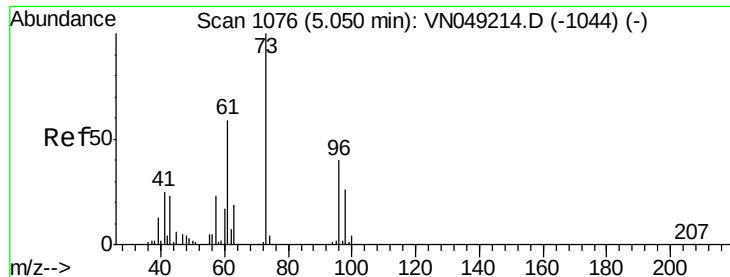
43 100

74 21.8 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#19

Methyl tert-butyl Ether

Concen: 148.72 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

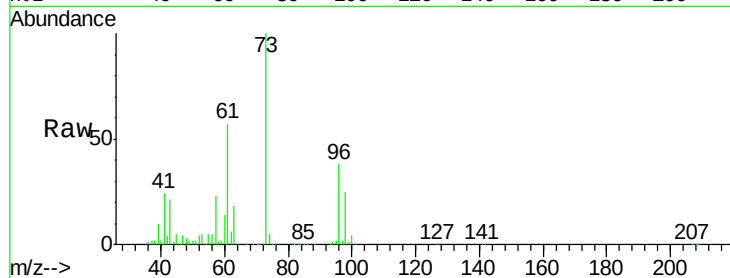
VSTDIC150

Tgt Ion: 73 Resp: 4826961

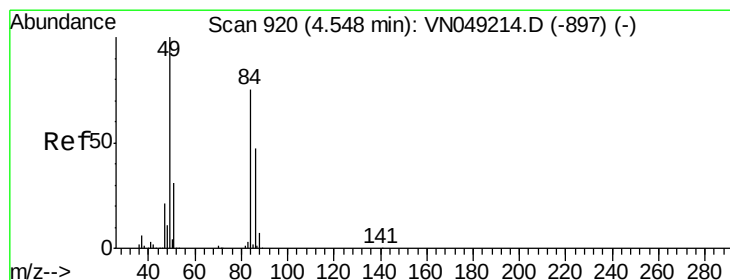
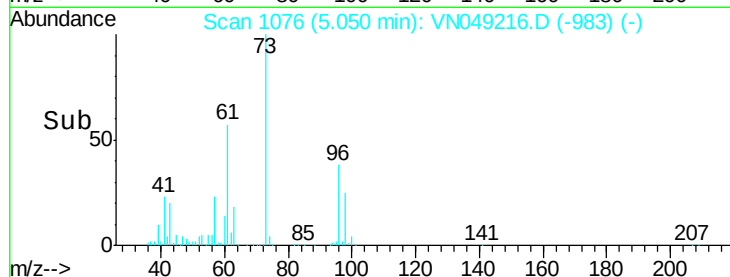
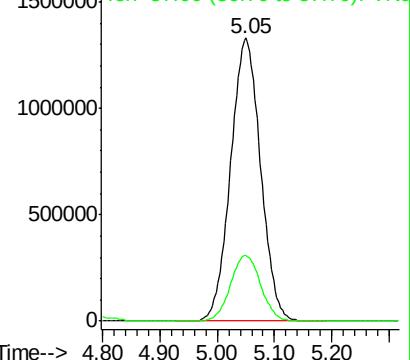
Ion Ratio Lower Upper

73 100

57 23.1 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VN049216.D (-983) (-)



#20

Methylene Chloride

Concen: 143.77 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 84 Resp: 1920056

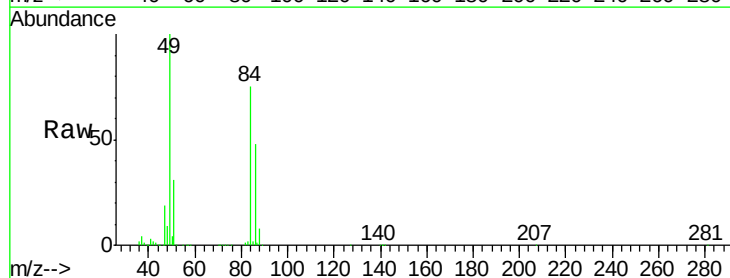
Ion Ratio Lower Upper

84 100

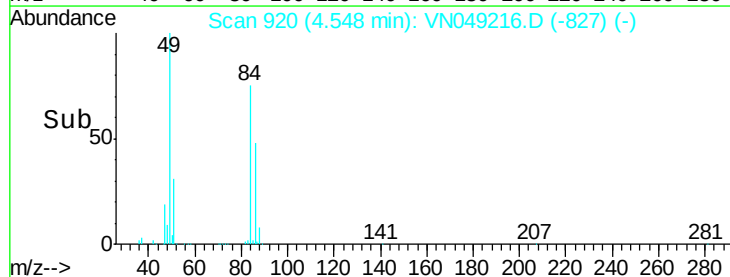
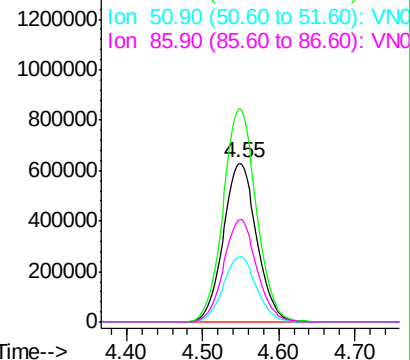
49 134.0 106.9 160.3

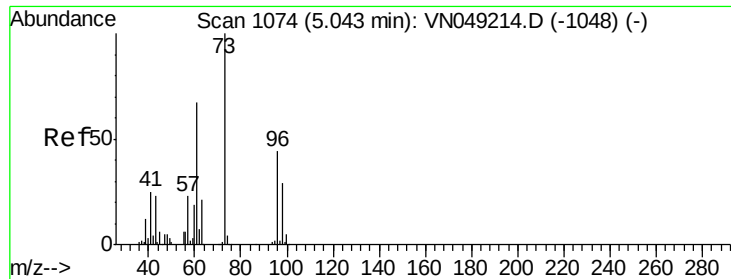
51 41.3 32.7 49.1

86 64.3 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN049216.D (-827) (-)





#21

trans-1,2-Dichloroethene

Concen: 145.07 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

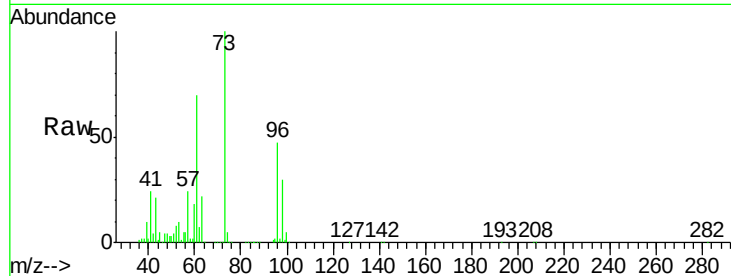
Tgt Ion: 96 Resp: 1812356

Ion Ratio Lower Upper

96 100

61 149.5 121.3 181.9

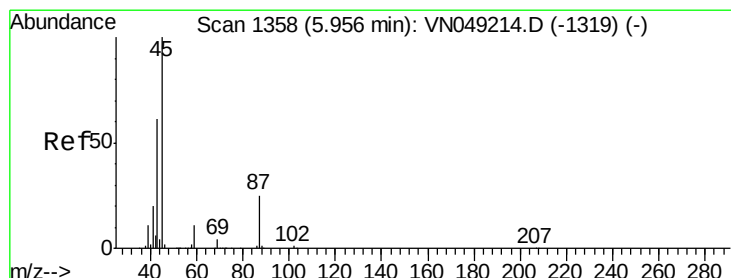
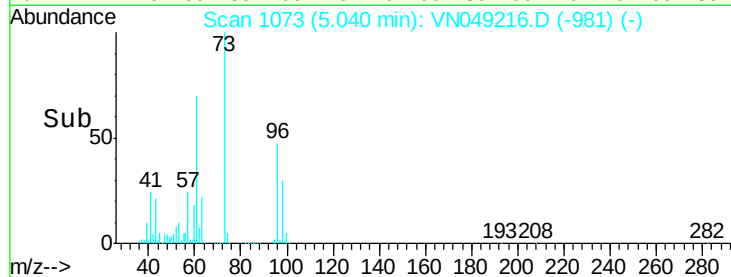
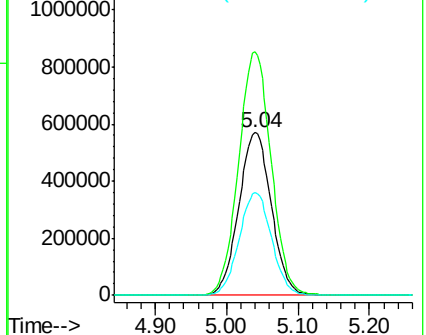
98 63.3 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN049216.D (-981) (-)

Ion 60.90 (60.60 to 61.60): VN049216.D (-981) (-)

Ion 97.90 (97.60 to 98.60): VN049216.D (-981) (-)



#22

Diisopropyl ether

Concen: 150.82 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 45 Resp: 6713983

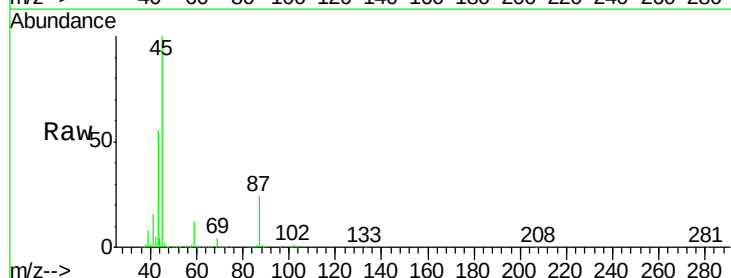
Ion Ratio Lower Upper

45 100

43 54.6 48.6 72.8

87 24.1 20.2 30.2

59 11.5 9.0 13.4

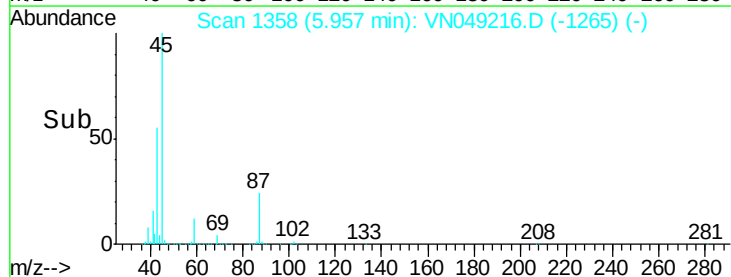
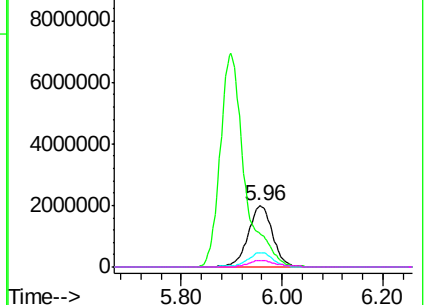


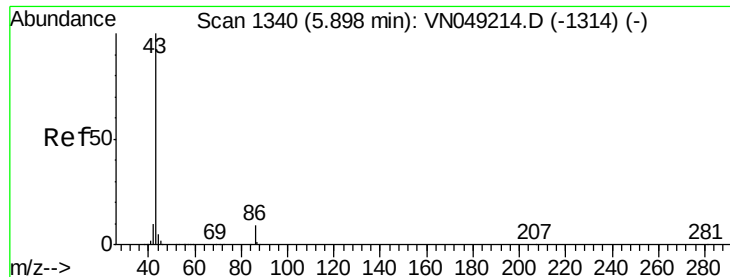
Abundance Ion 45.00 (44.70 to 45.70): VN049216.D (-1265) (-)

Ion 43.00 (42.70 to 43.70): VN049216.D (-1265) (-)

Ion 87.00 (86.70 to 87.70): VN049216.D (-1265) (-)

Ion 59.00 (58.70 to 59.70): VN049216.D (-1265) (-)





#23

Vinyl Acetate

Concen: 764.87 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

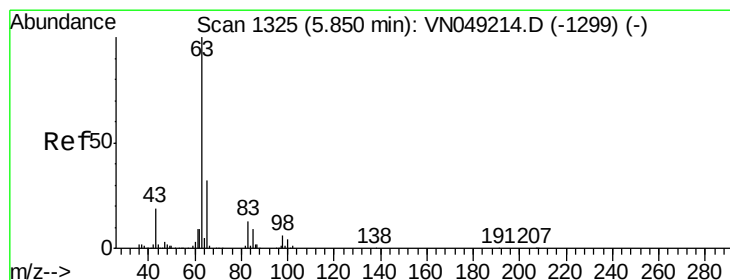
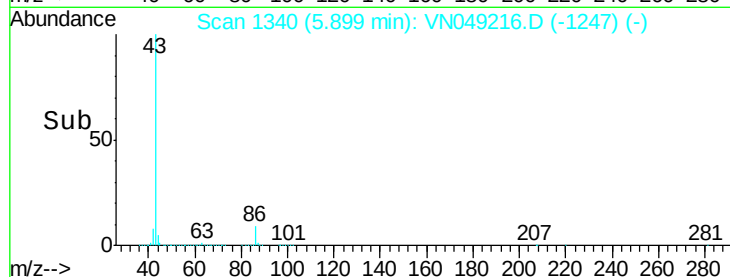
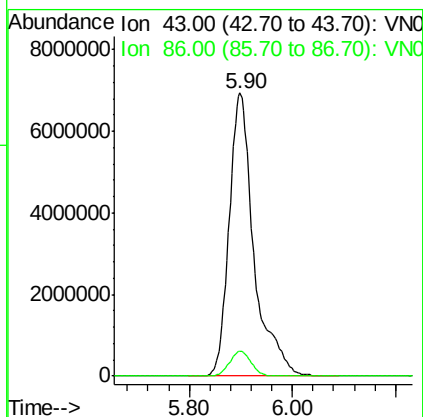
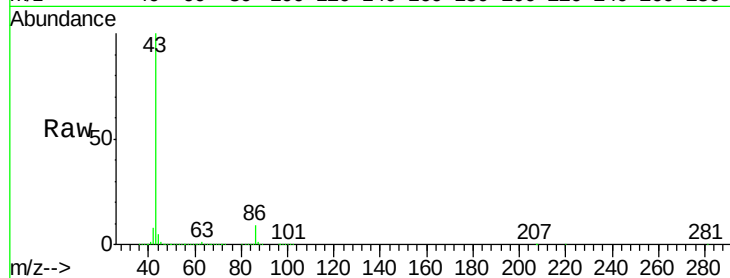
VSTDIC150

Tgt Ion: 43 Resp:23203063

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8



#24

1,1-Dichloroethane

Concen: 142.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

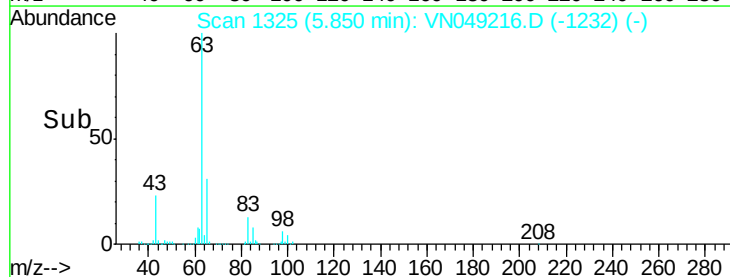
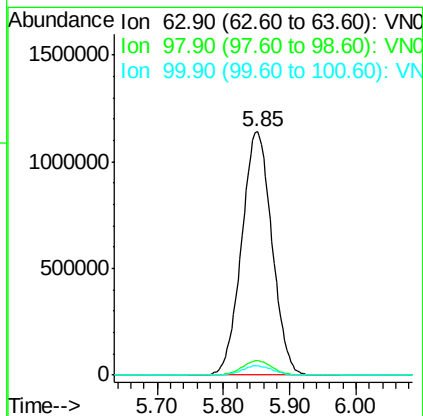
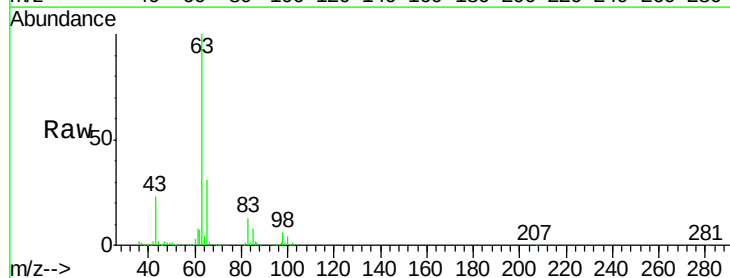
Tgt Ion: 63 Resp: 3618594

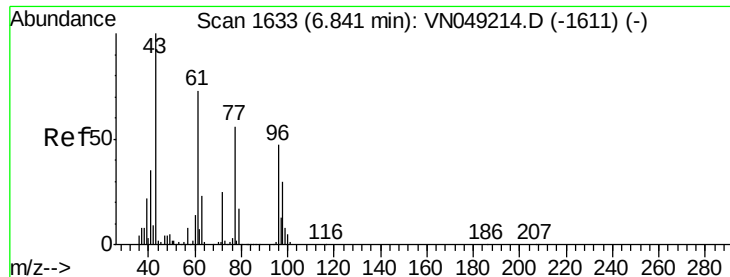
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 711.44 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

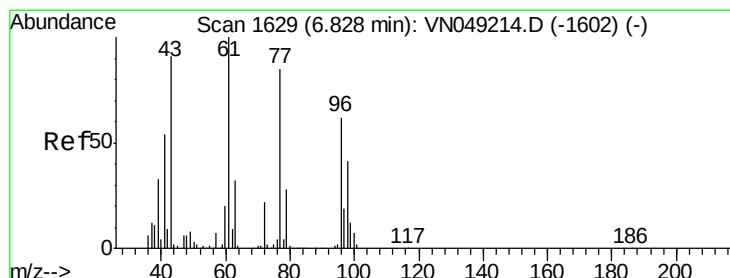
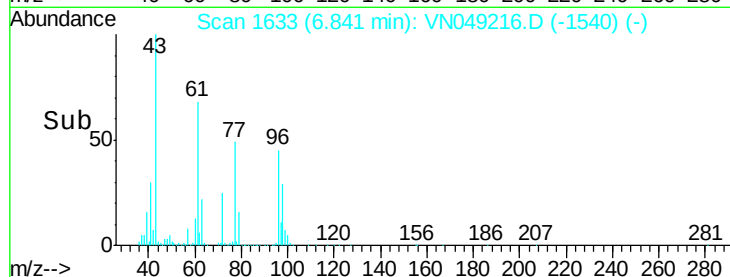
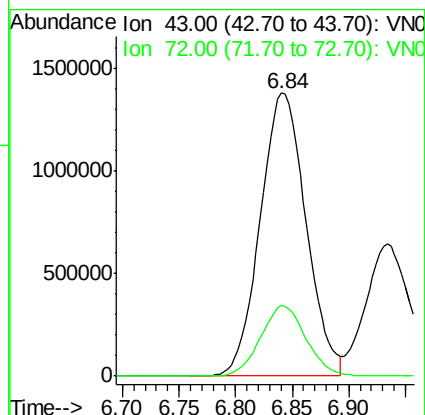
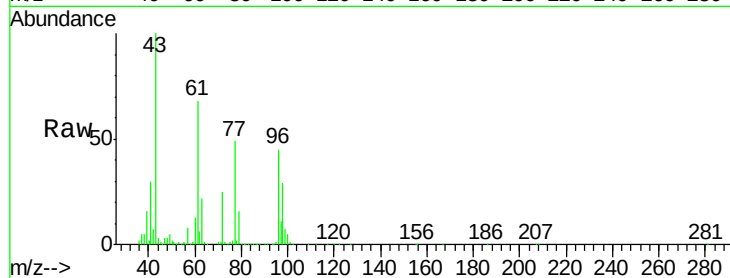
VSTDIC150

Tgt Ion: 43 Resp: 3873289

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 135.26 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049216.D

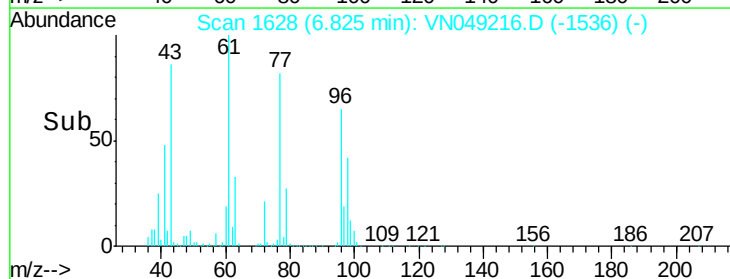
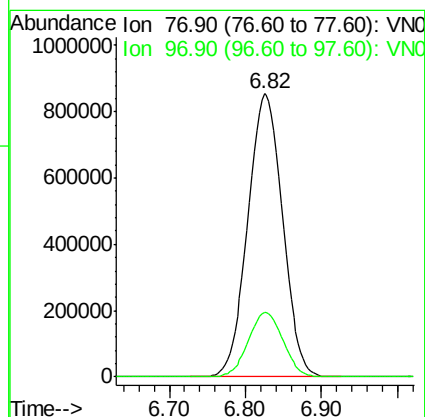
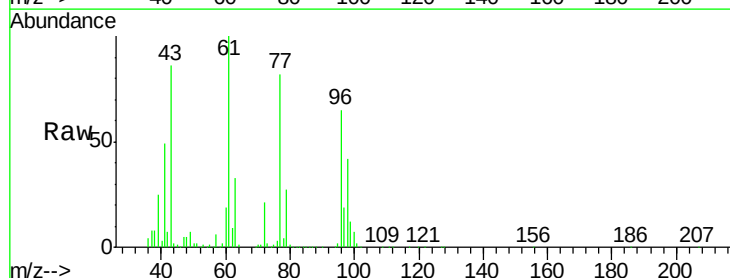
Acq: 13 Jun 2018 22:18

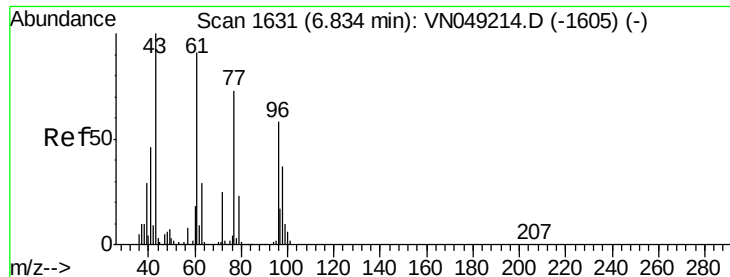
Tgt Ion: 77 Resp: 2715795

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 147.19 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

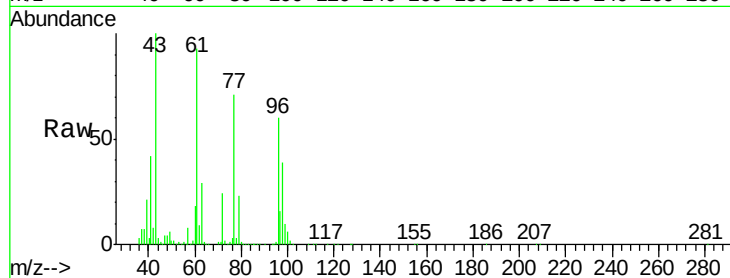
Tgt Ion: 96 Resp: 2058011

Ion Ratio Lower Upper

96 100

61 154.7 0.0 316.4

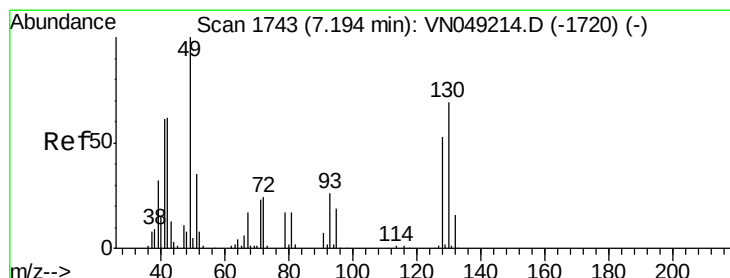
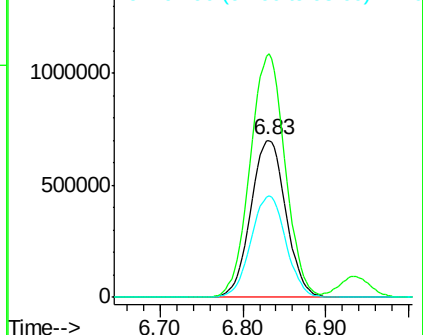
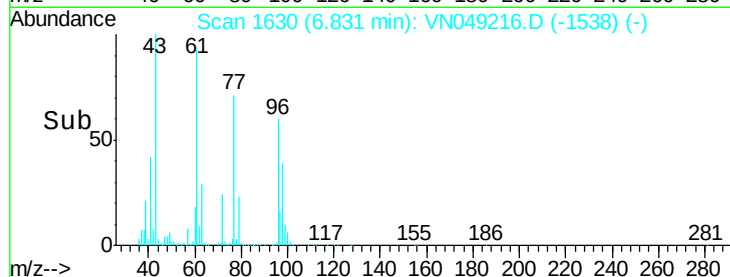
98 64.6 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049216.D (-1538) (-)

Ion 60.90 (60.60 to 61.60): VN049216.D (-1538) (-)

Ion 97.90 (97.60 to 98.60): VN049216.D (-1538) (-)



#28

Bromochloromethane

Concen: 160.33 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

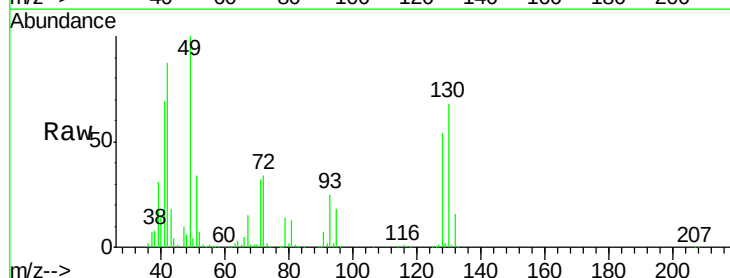
Tgt Ion: 49 Resp: 1772578

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

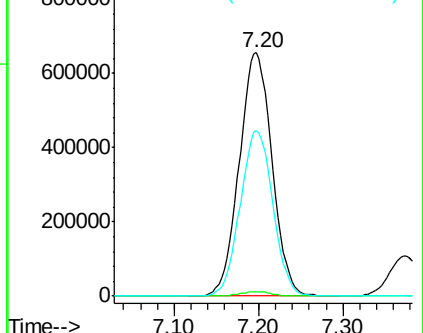
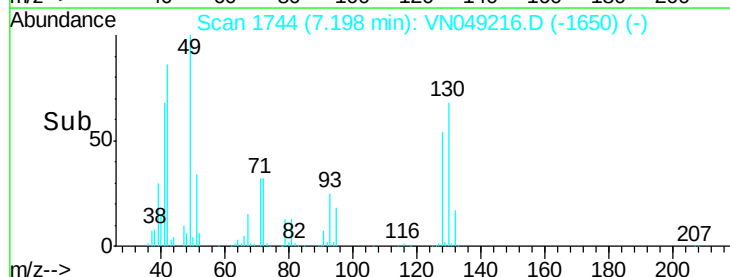
130 67.8 54.9 82.3

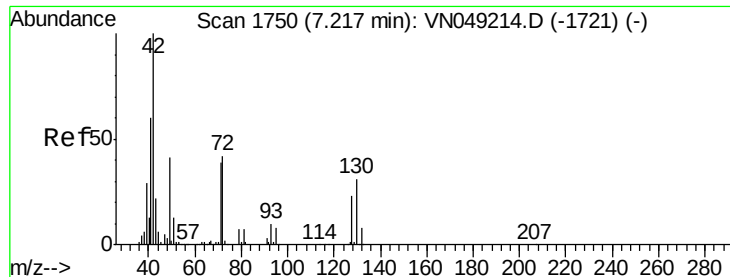


Abundance Ion 48.90 (48.60 to 49.60): VN049216.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN049216.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN049216.D (-1650) (-)





#29

Tetrahydrofuran

Concen: 745.58 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

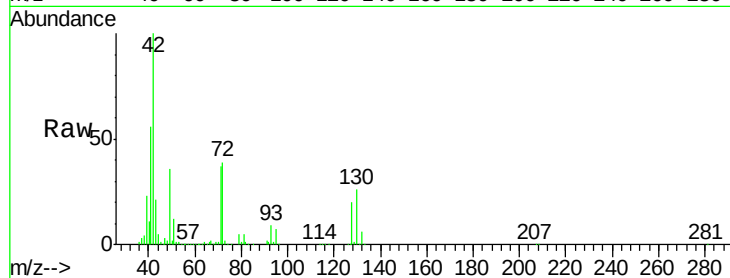
Tgt Ion: 42 Resp: 2603310

Ion Ratio Lower Upper

42 100

72 39.4 32.2 48.4

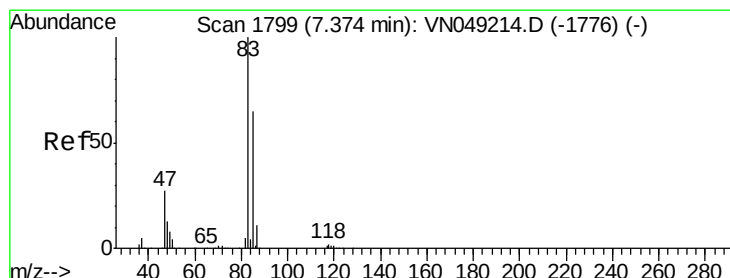
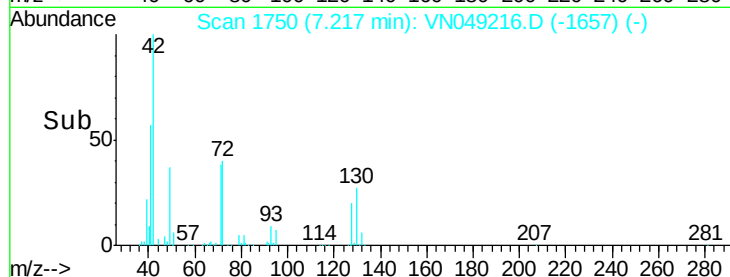
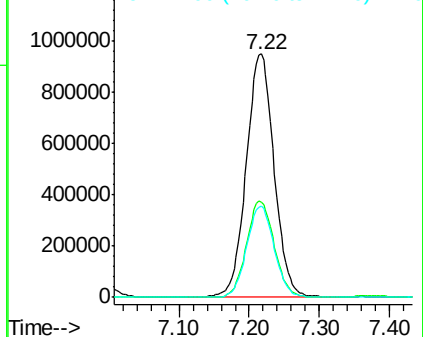
71 37.0 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 139.83 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049216.D

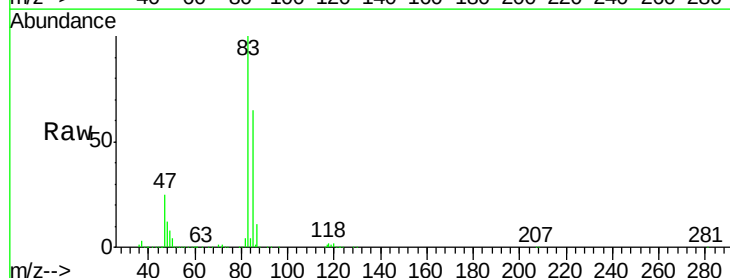
Acq: 13 Jun 2018 22:18

Tgt Ion: 83 Resp: 3448684

Ion Ratio Lower Upper

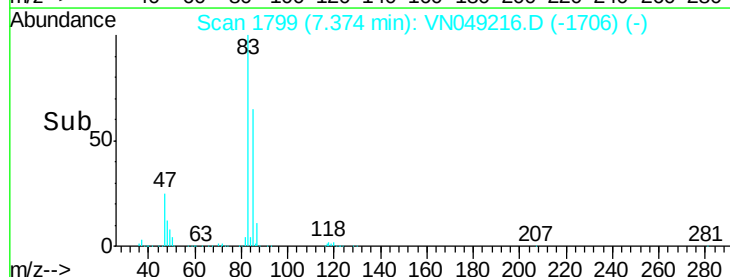
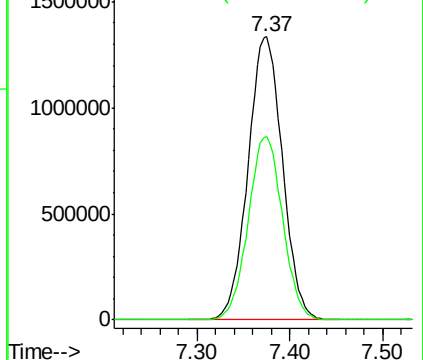
83 100

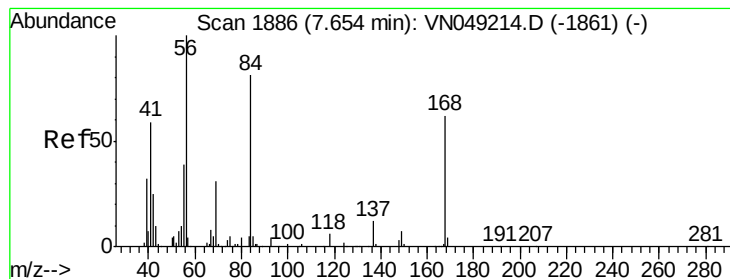
85 64.7 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 146.57 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

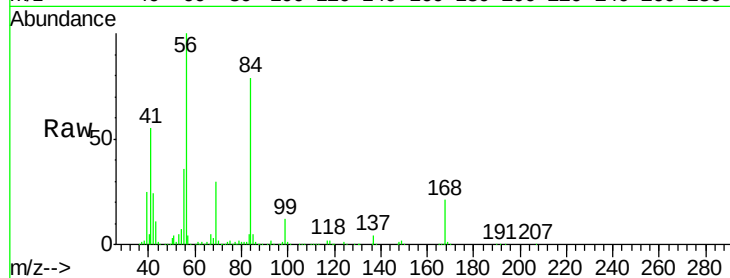
Tgt Ion: 56 Resp: 3427492

Ion Ratio Lower Upper

56 100

69 29.5 25.0 37.4

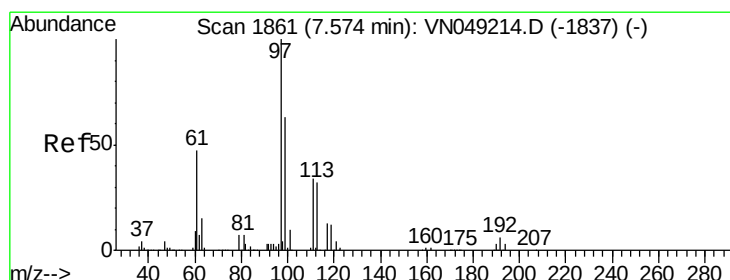
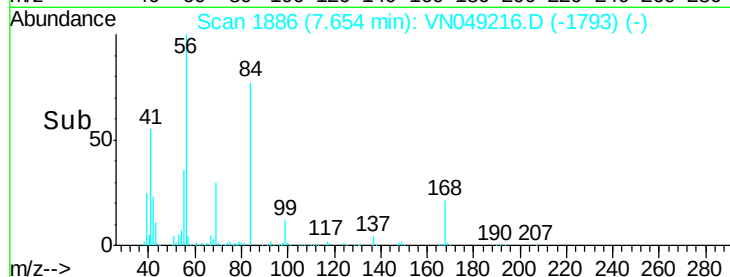
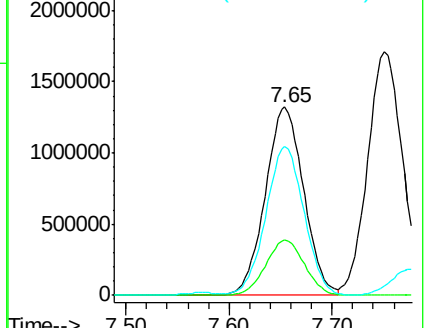
84 78.2 64.6 96.8



Abundance Ion 56.00 (55.70 to 56.70): VN049216.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049216.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049216.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 141.40 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

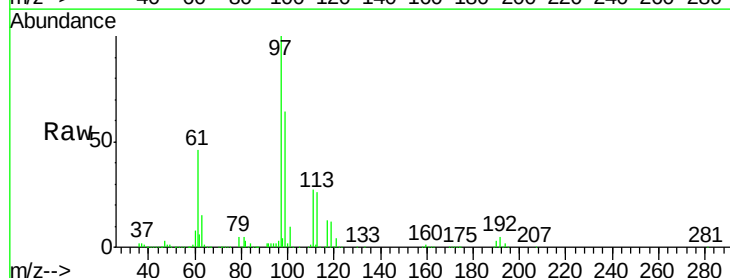
Tgt Ion: 97 Resp: 2978311

Ion Ratio Lower Upper

97 100

99 64.6 50.5 75.7

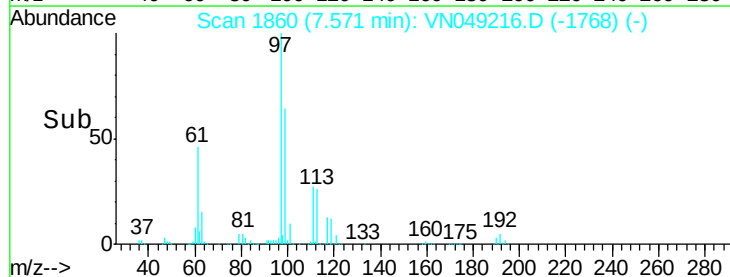
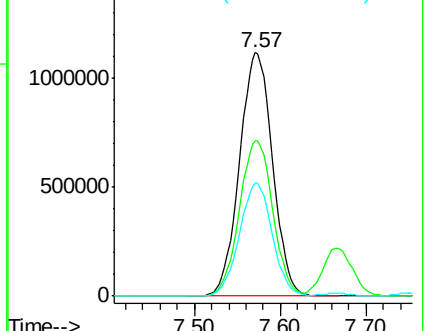
61 46.2 37.9 56.9

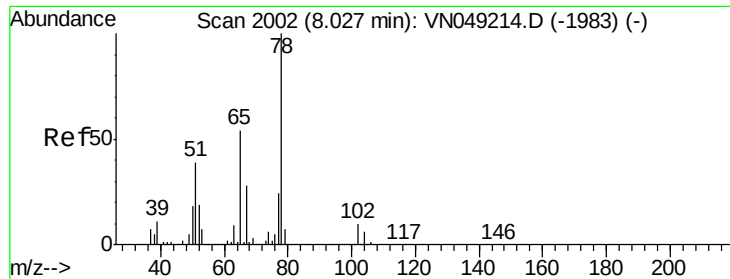


Abundance Ion 96.90 (96.60 to 97.60): VN049216.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049216.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049216.D (-1768) (-)

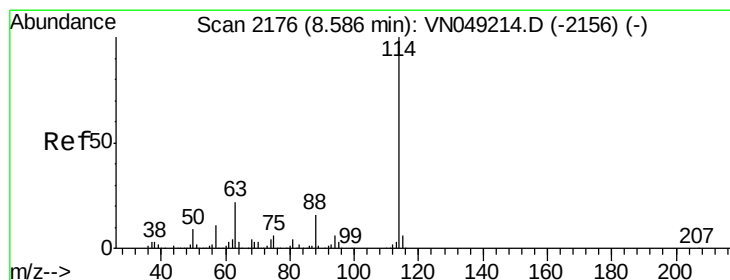
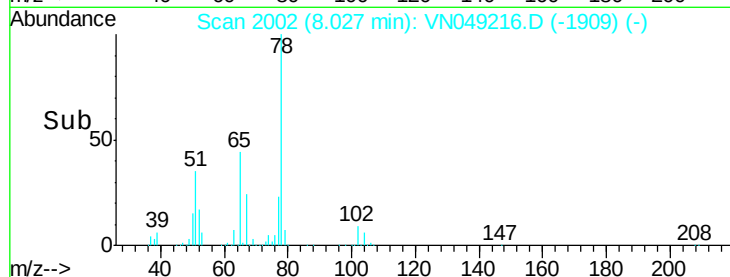
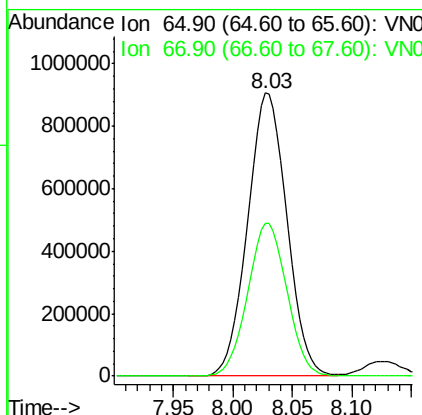
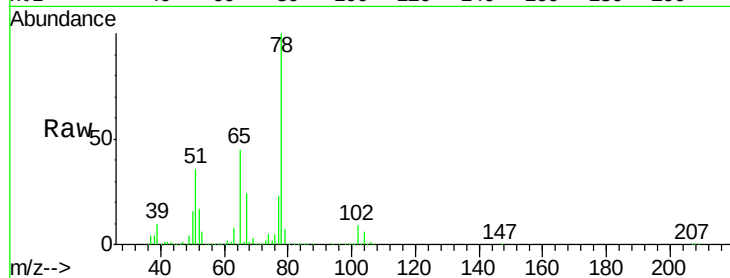




#33
 1,2-Dichloroethane-d4
 Concen: 135.51 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

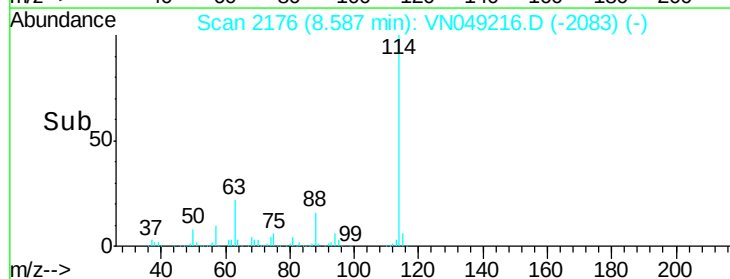
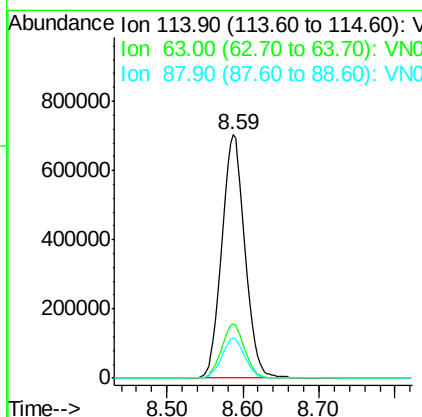
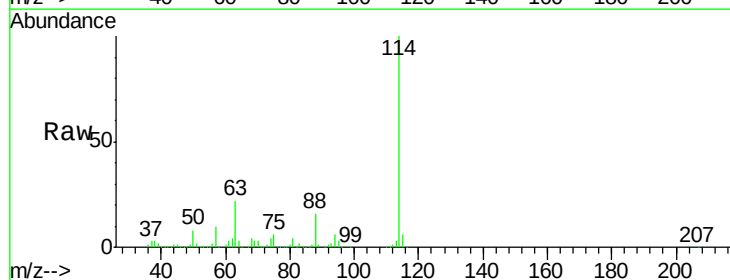
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

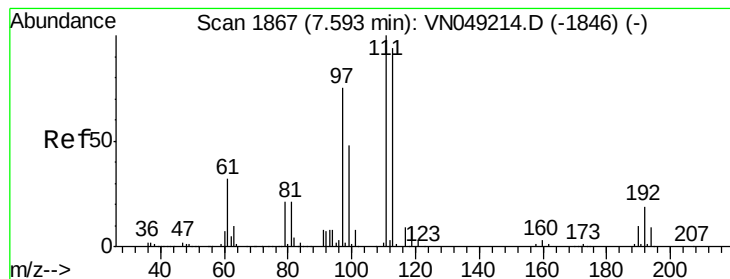
Tgt Ion: 65 Resp: 2072097
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 114 Resp: 1487702
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 44.4
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 139.90 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

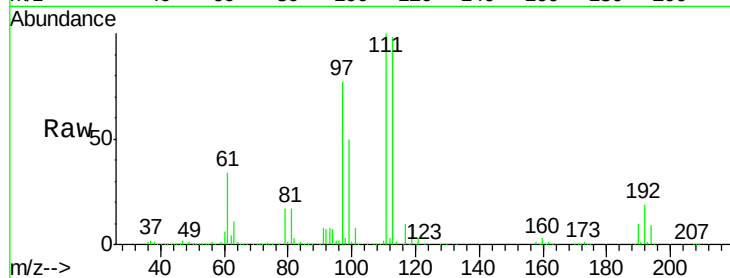
Tgt Ion:113 Resp: 1717846

Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

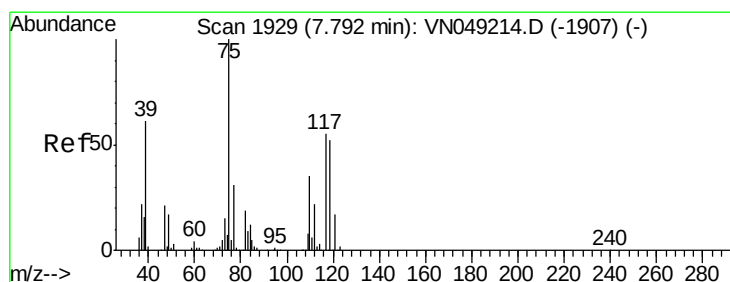
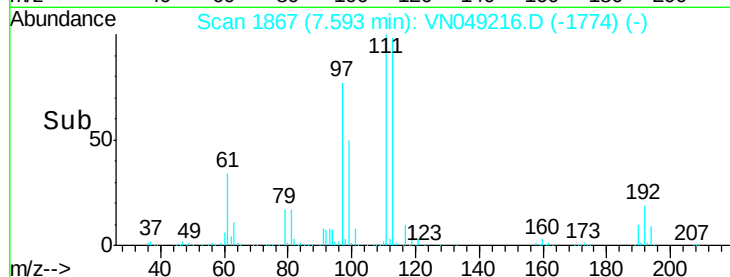
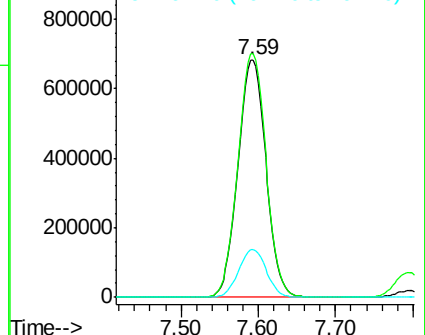
192 20.0 15.0 22.6



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: 148.70 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

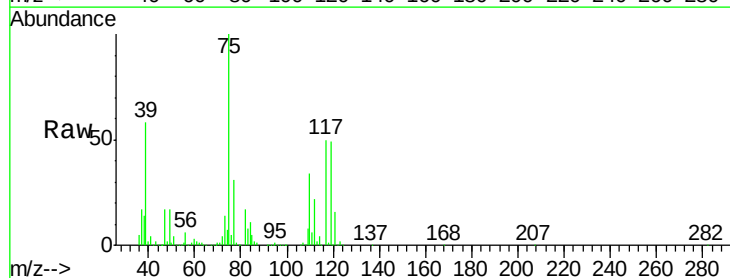
Tgt Ion: 75 Resp: 2767470

Ion Ratio Lower Upper

75 100

110 34.2 17.0 50.9

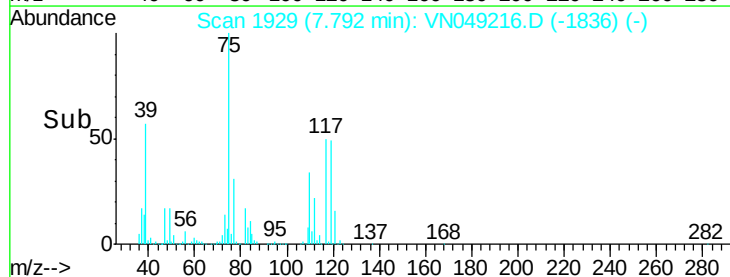
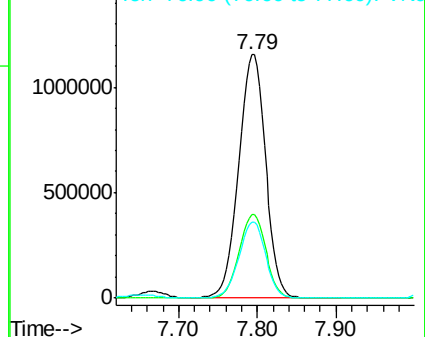
77 31.2 24.4 36.6

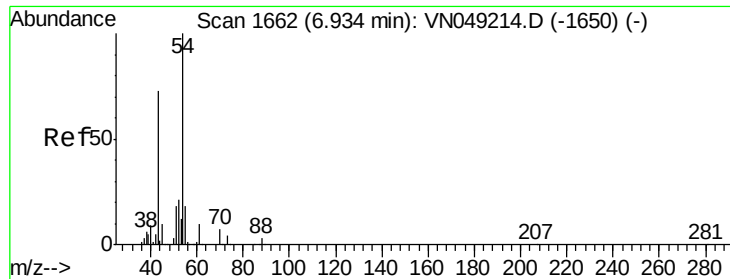


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

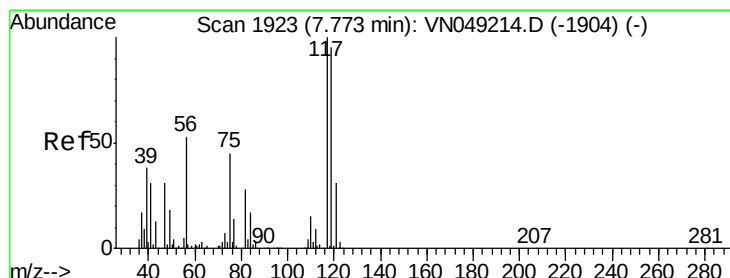
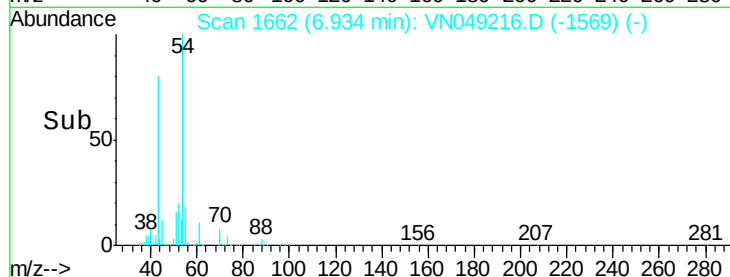
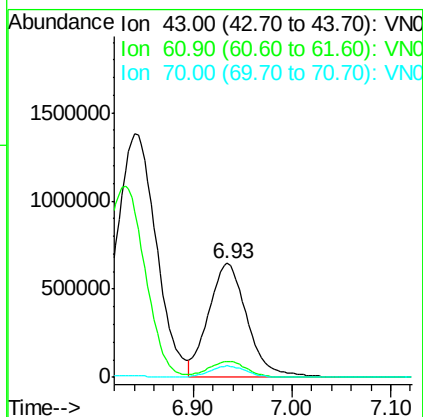
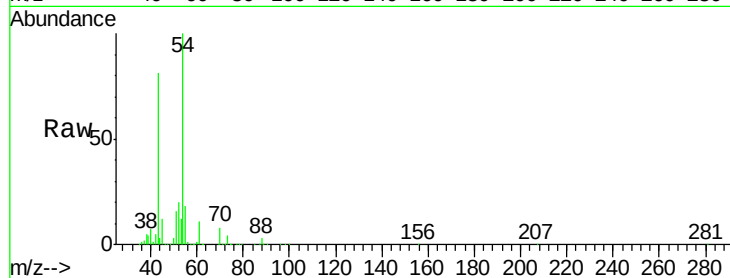




#37
Ethyl Acetate
Concen: 146.58 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

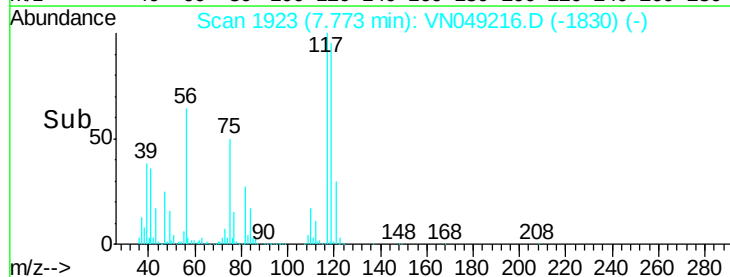
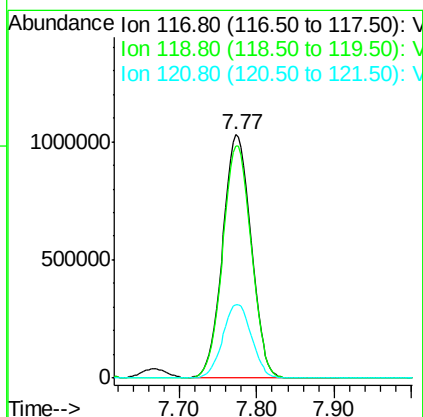
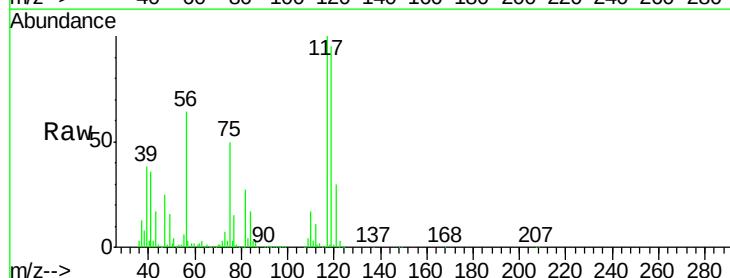
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

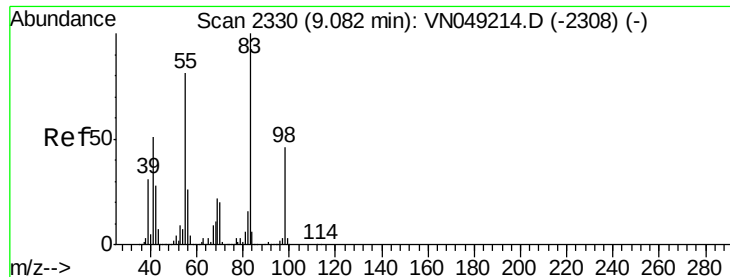
Tgt Ion: 43 Resp: 1749693
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 143.57 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 117 Resp: 2623357
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4
121 30.4 24.7 37.1

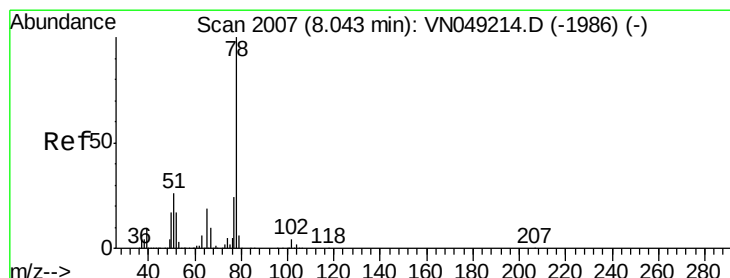
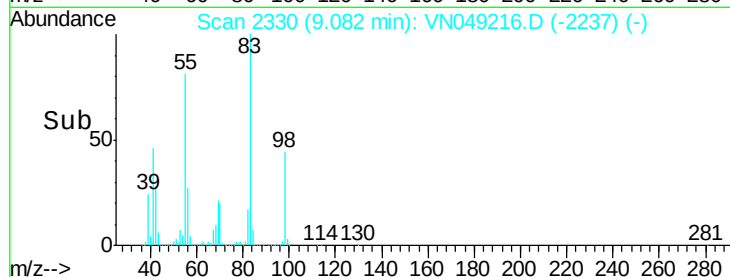
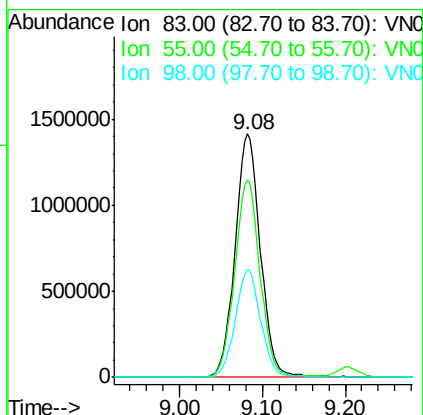
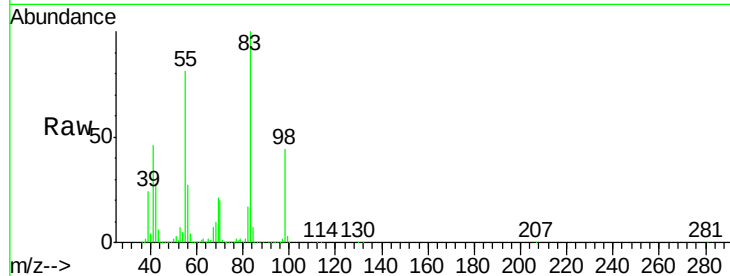




#39
Methylcyclohexane
Concen: 154.74 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

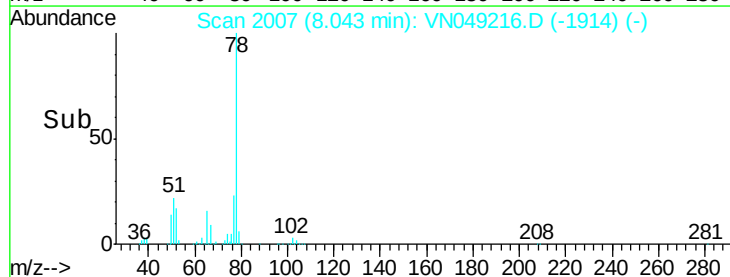
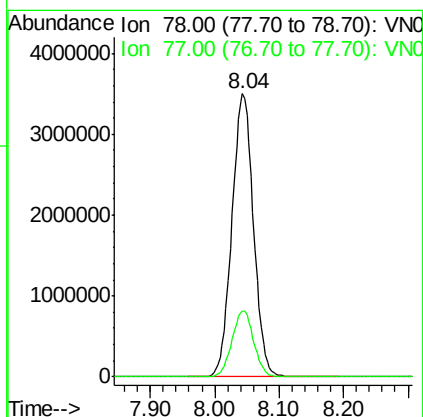
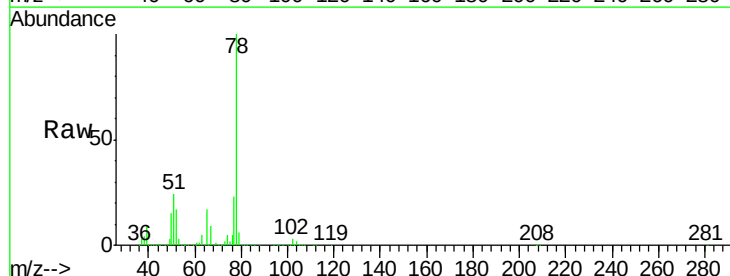
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

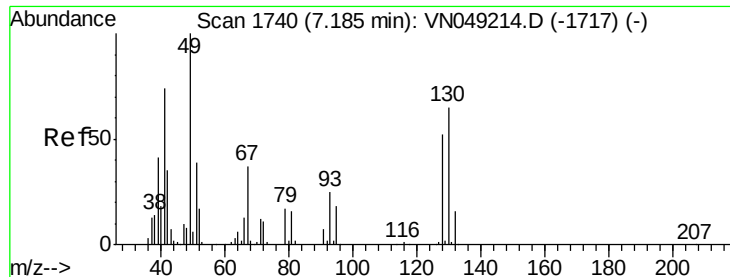
Tgt Ion: 83 Resp: 3009434
Ion Ratio Lower Upper
83 100
55 81.2 65.1 97.7
98 44.2 36.5 54.7



#40
Benzene
Concen: 146.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 78 Resp: 8141284
Ion Ratio Lower Upper
78 100
77 23.4 19.4 29.0

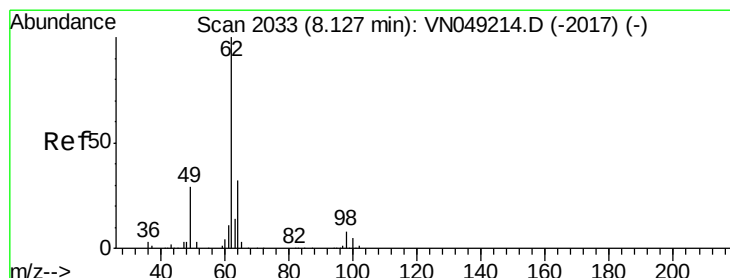
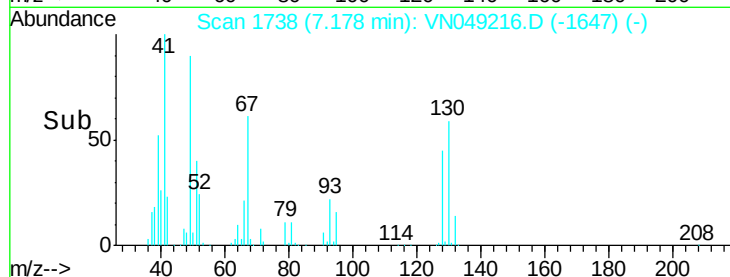
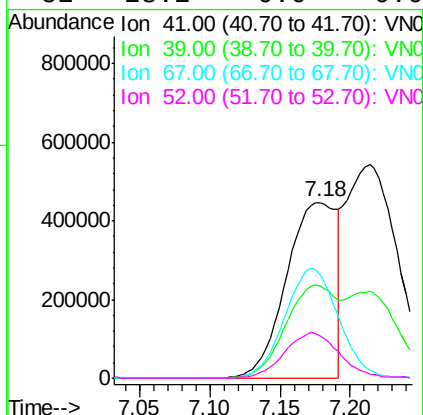
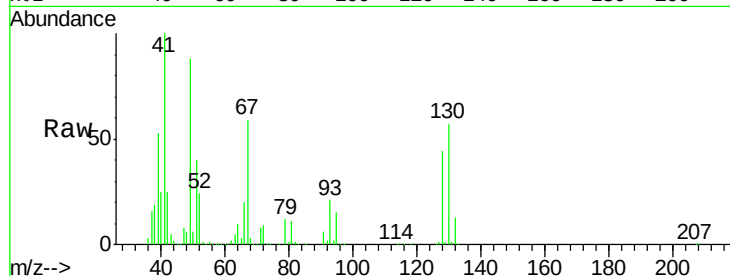




#41
Methacrylonitrile
Concen: 167.68 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

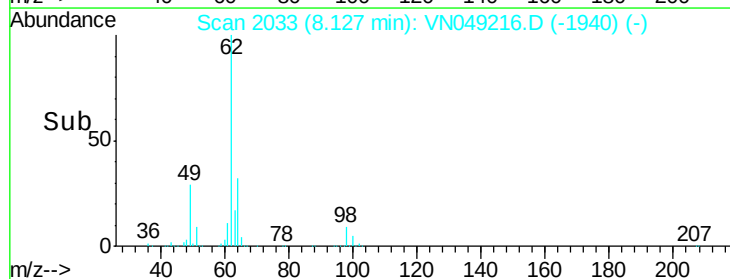
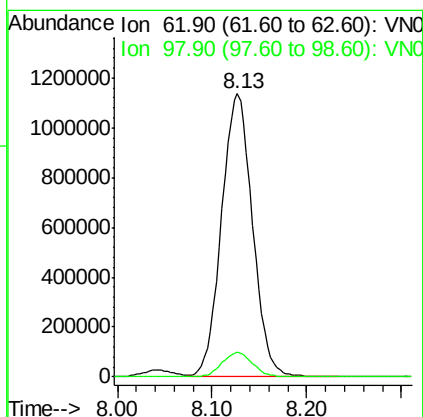
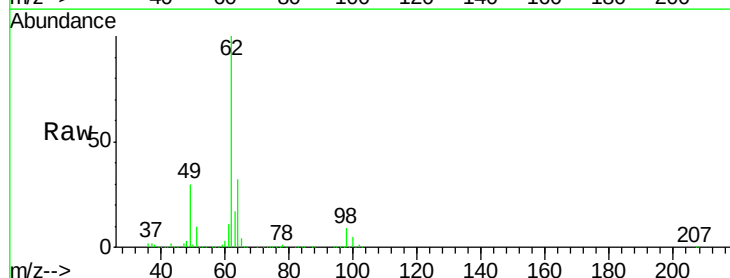
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

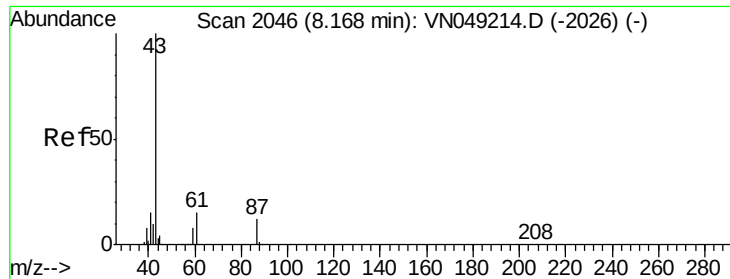
Tgt Ion: 41 Resp: 1101464
Ion Ratio Lower Upper
41 100
39 55.6 0.0 0.0#
67 67.5 0.0 0.0#
52 28.2 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 142.40 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 62 Resp: 2584503
Ion Ratio Lower Upper
62 100
98 8.6 0.0 16.2





#43

Isopropyl Acetate

Concen: 144.06 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

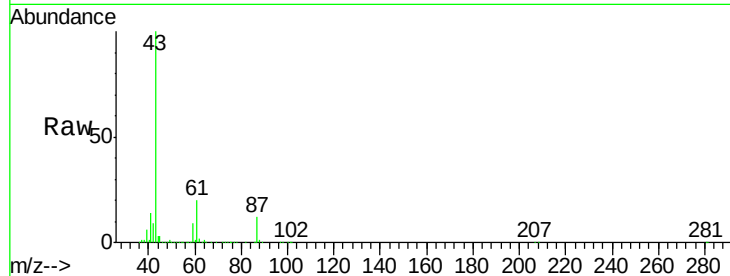
MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3280307

Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.2	21.4
87	11.9	9.4	14.0

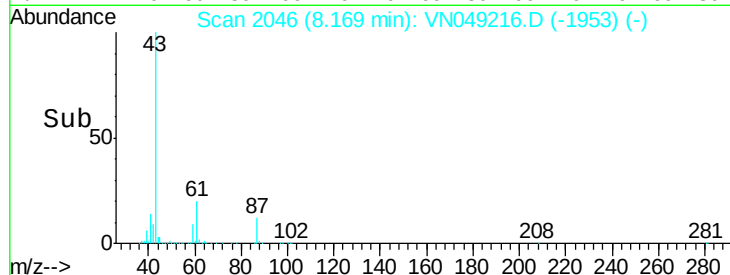


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

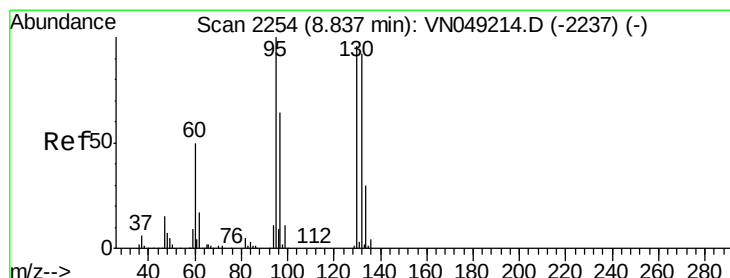


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 145.22 ug/l

RT: 8.84 min Scan# 2254

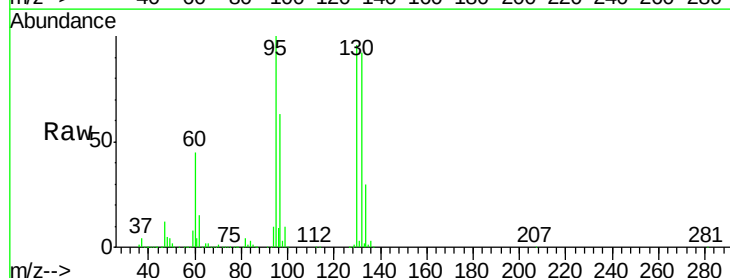
Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 130 Resp: 1983011

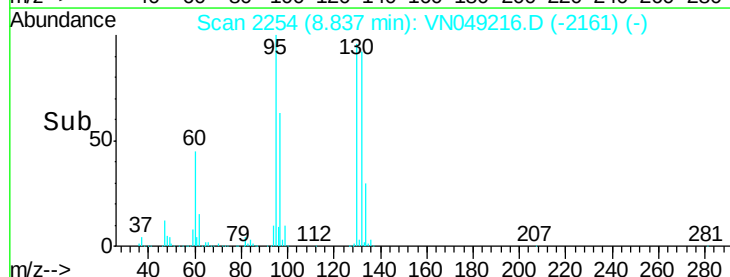
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	208.6



Abundance

Ion 129.80 (129.50 to 130.50): VN0

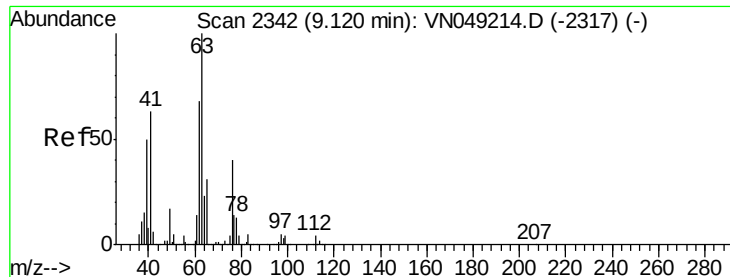
Ion 94.90 (94.60 to 95.60): VN0



Abundance

Ion 129.80 (129.50 to 130.50): VN0

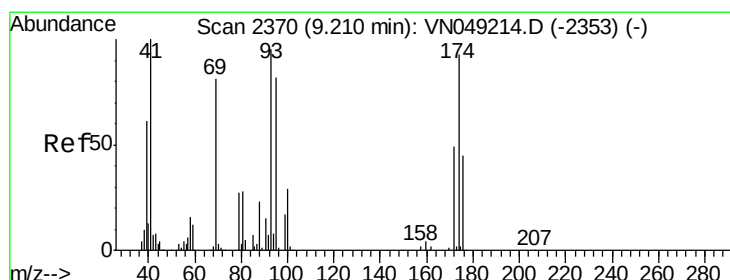
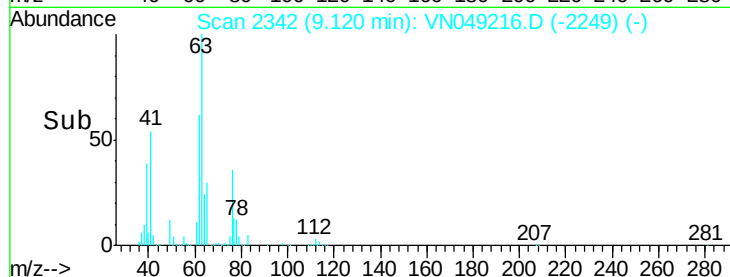
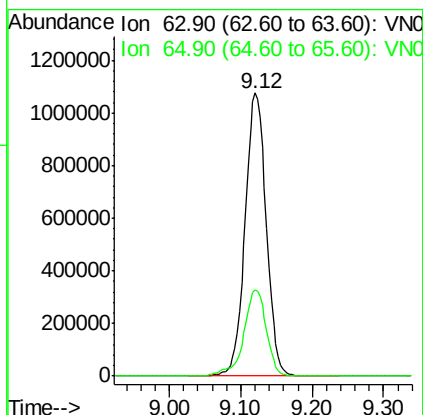
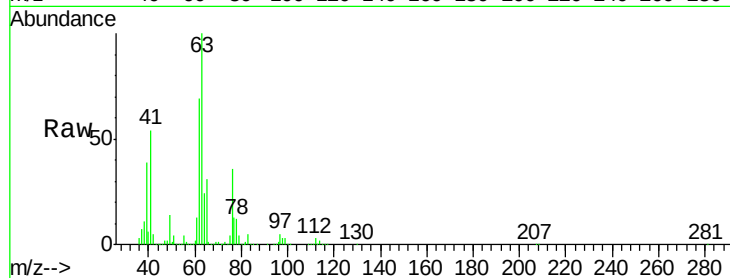
Ion 94.90 (94.60 to 95.60): VN0



#45
 1,2-Dichloropropane
 Concen: 145.58 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

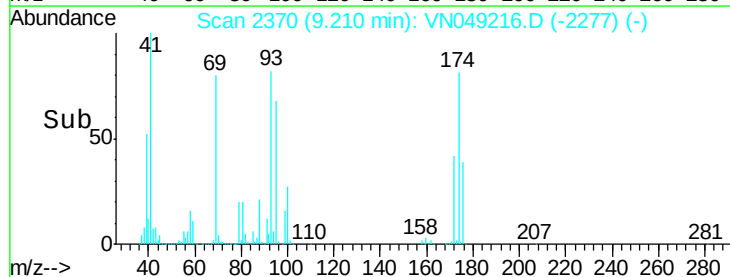
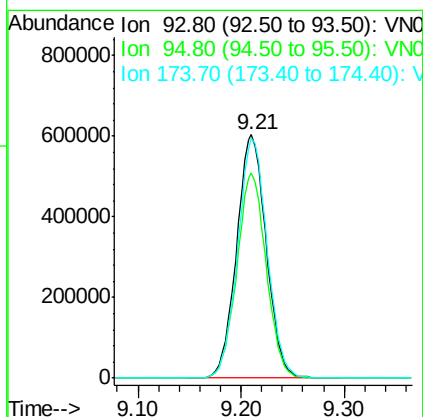
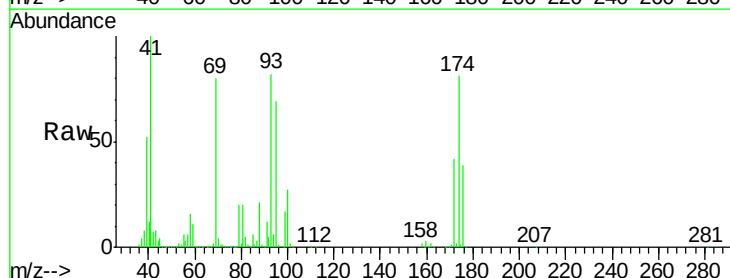
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

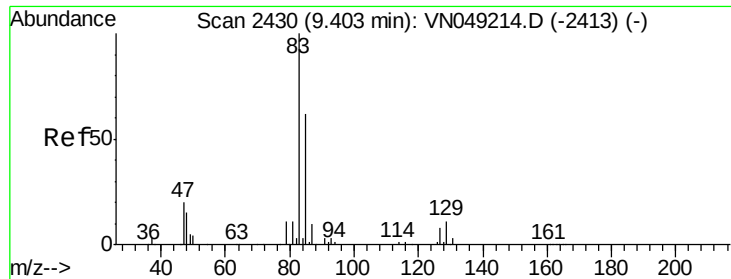
Tgt Ion: 63 Resp: 2223185
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.8 37.2



#46
 Dibromomethane
 Concen: 141.74 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 93 Resp: 1205815
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.2 100.8
 174 98.1 75.6 113.4

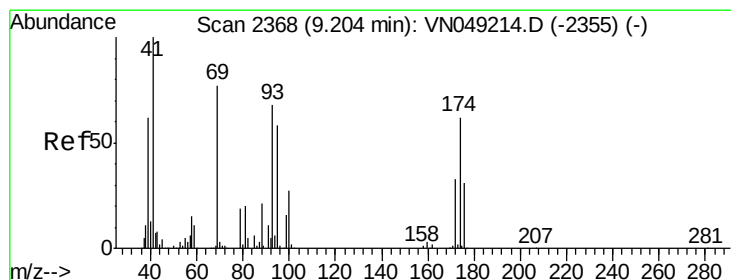
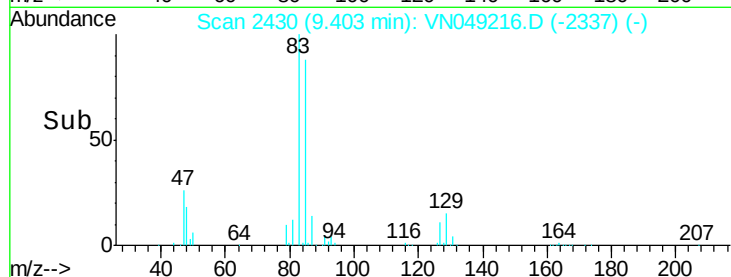
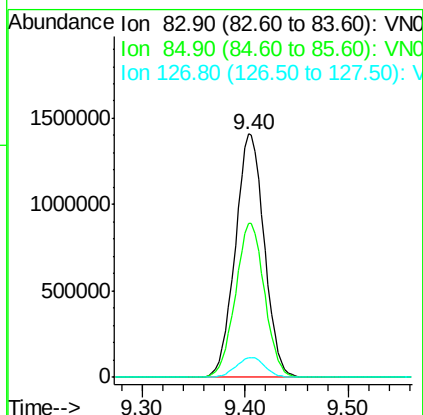
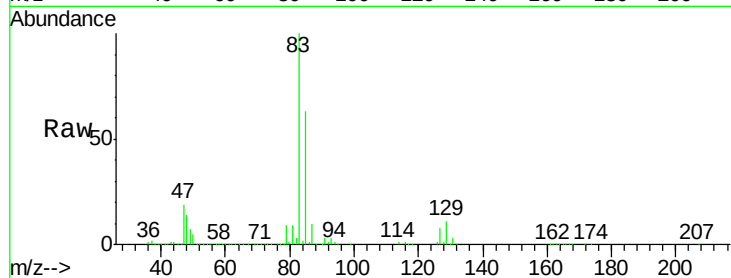




#47
Bromodichloromethane
Concen: 145.96 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

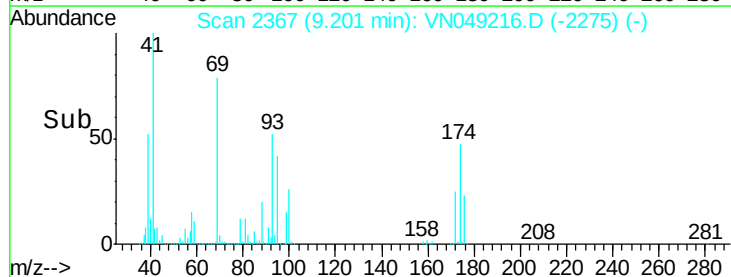
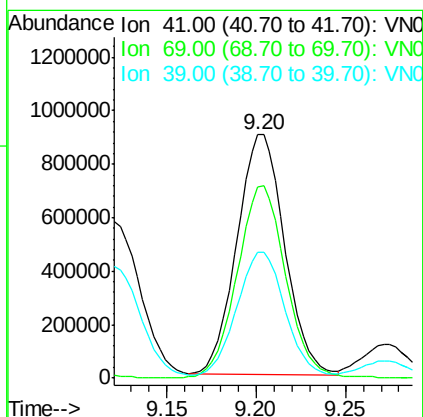
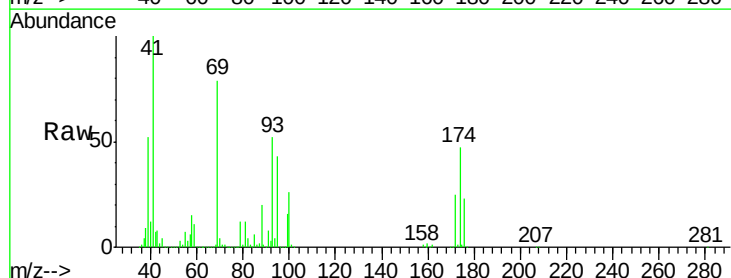
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

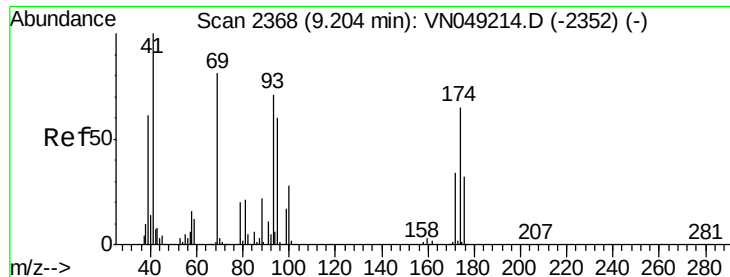
Tgt Ion: 83 Resp: 2755204
Ion Ratio Lower Upper
83 100
85 63.3 49.4 74.0
127 8.2 6.3 9.5



#48
Methyl methacrylate
Concen: 154.00 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 41 Resp: 1673533
Ion Ratio Lower Upper
41 100
69 81.7 62.0 93.0
39 53.9 50.6 75.8





#49

1,4-Dioxane

Concen: 3001.84 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

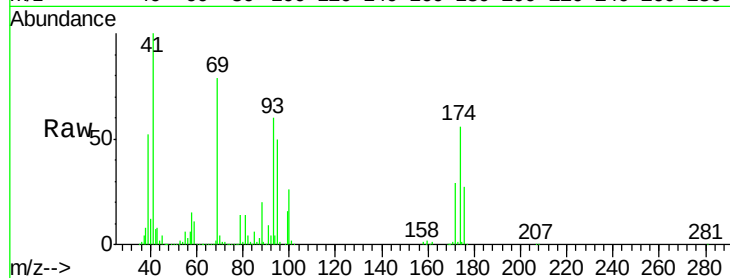
Tgt Ion: 88 Resp: 366247

Ion Ratio Lower Upper

88 100

43 36.5 30.9 46.3

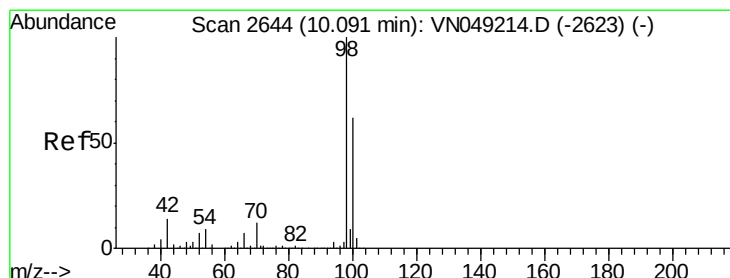
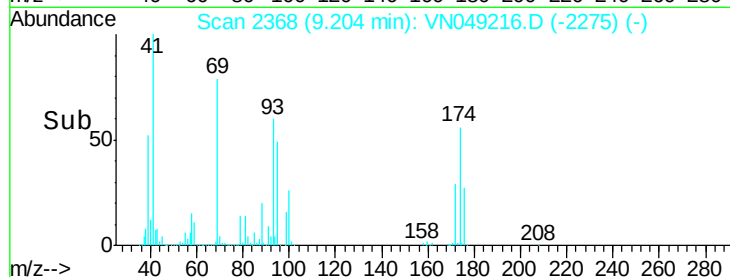
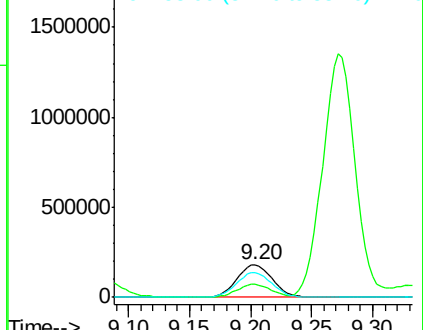
58 75.1 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VN049216.D (-2275) (-)

Ion 43.00 (42.70 to 43.70): VN049216.D (-2275) (-)

Ion 58.00 (57.70 to 58.70): VN049216.D (-2275) (-)



#50

Toluene-d8

Concen: 145.59 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049216.D

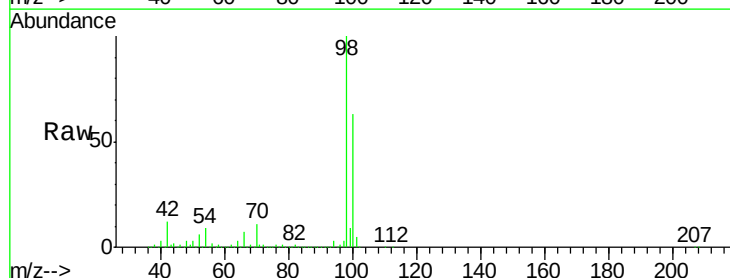
Acq: 13 Jun 2018 22:18

Tgt Ion: 98 Resp: 6897493

Ion Ratio Lower Upper

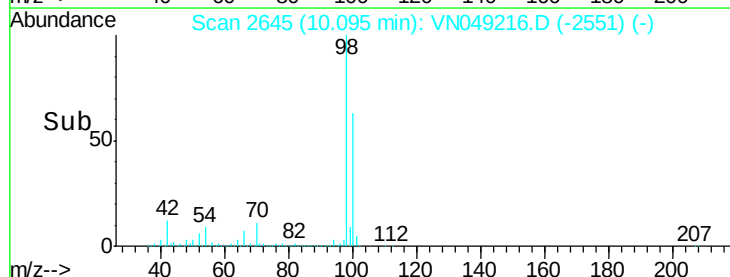
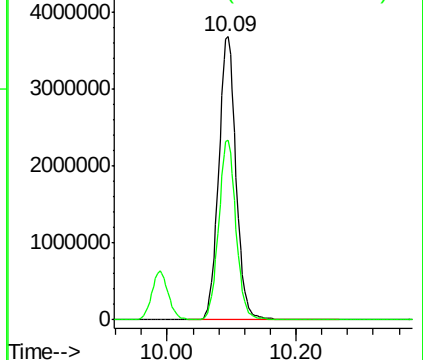
98 100

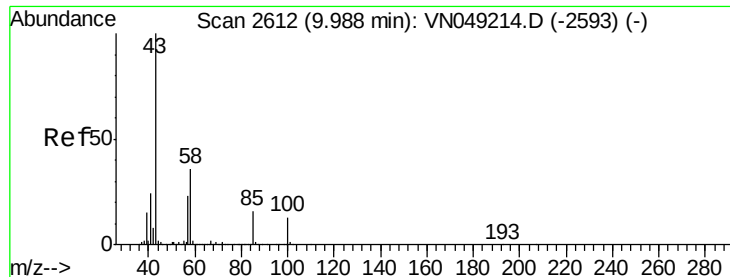
100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049216.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049216.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 756.54 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

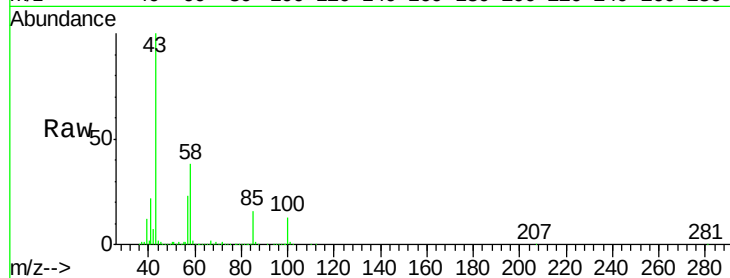
VSTDIC150

Tgt Ion: 43 Resp: 9100062

Ion Ratio Lower Upper

43 100

58 37.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN049214.D (-2593) (-)

6000000

5000000

4000000

3000000

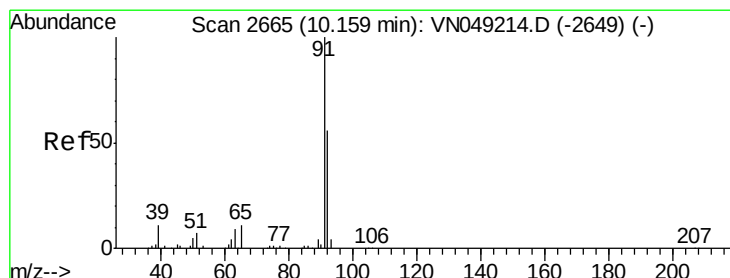
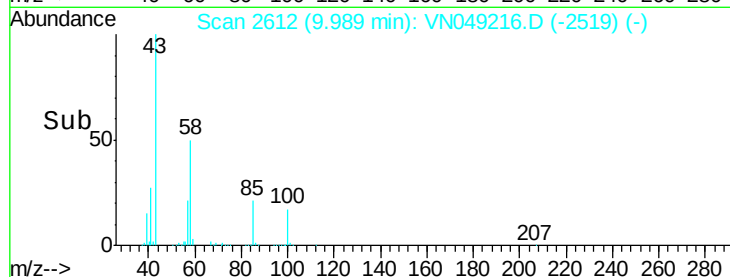
2000000

1000000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 147.70 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049216.D

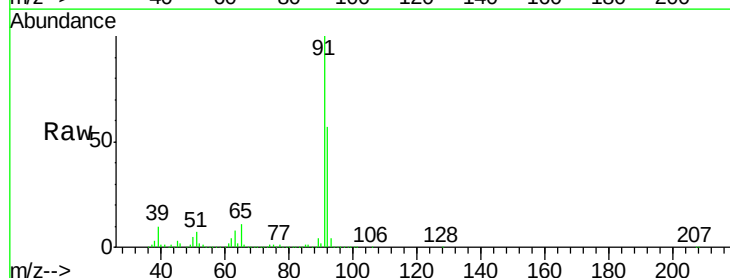
Acq: 13 Jun 2018 22:18

Tgt Ion: 92 Resp: 4937555

Ion Ratio Lower Upper

92 100

91 176.2 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049214.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049214.D (-2649) (-)

5000000

4000000

3000000

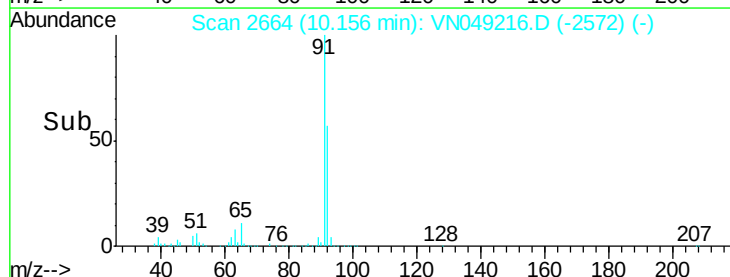
2000000

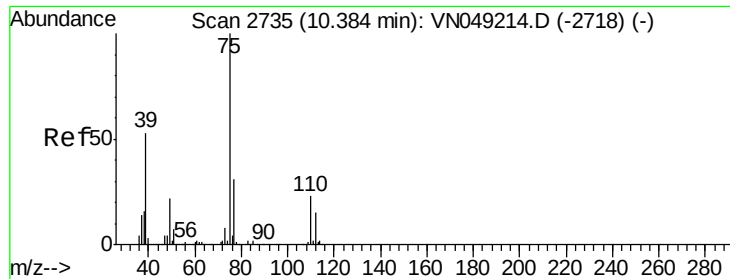
1000000

0

10.00 10.16 10.20 10.40

Time-->





#53

t-1,3-Dichloropropene

Concen: 157.42 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

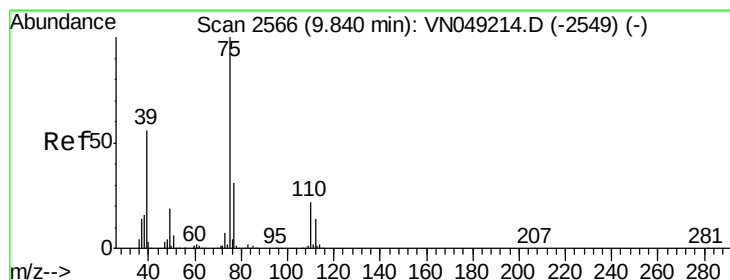
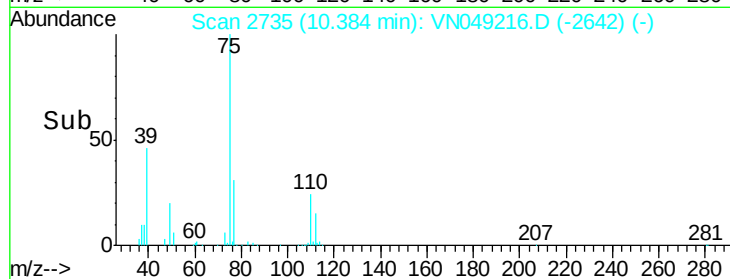
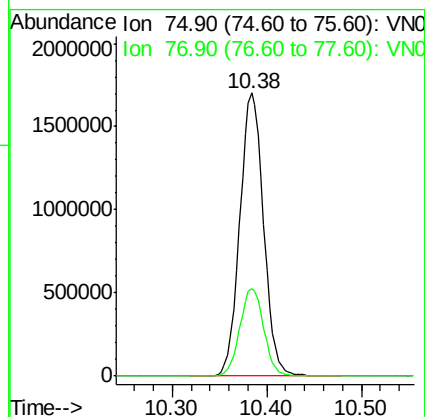
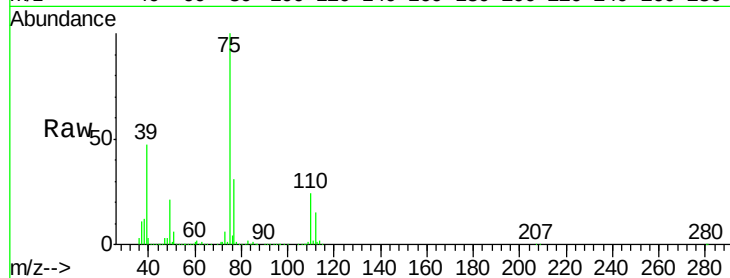
VSTDIC150

Tgt Ion: 75 Resp: 2963017

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 152.88 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

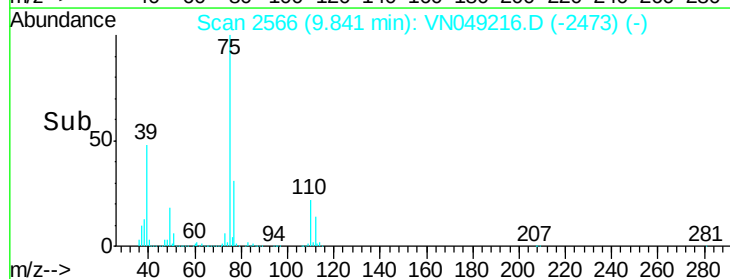
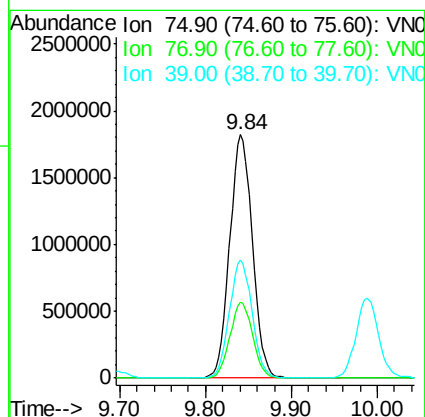
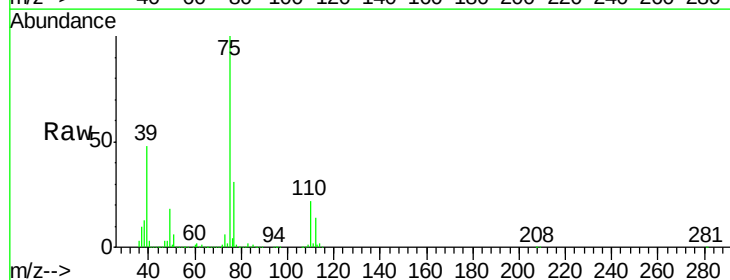
Tgt Ion: 75 Resp: 3341948

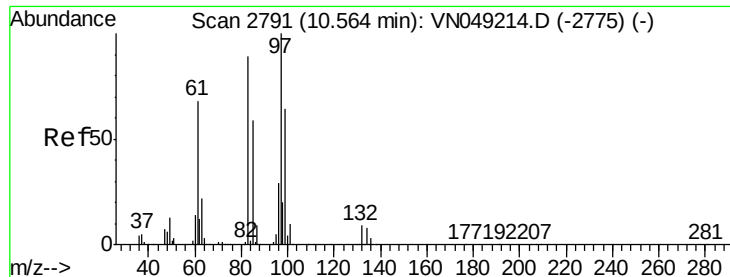
Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 48.4 45.1 67.7





#55

1,1,2-Trichloroethane

Concen: 144.84 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 97 Resp: 1725651

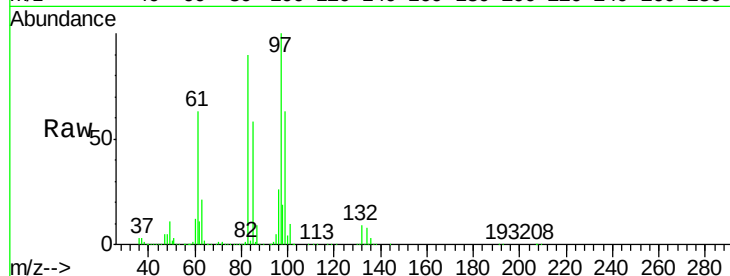
Ion Ratio Lower Upper

97 100

83 90.2 71.5 107.3

85 58.1 47.0 70.4

99 62.8 51.4 77.2

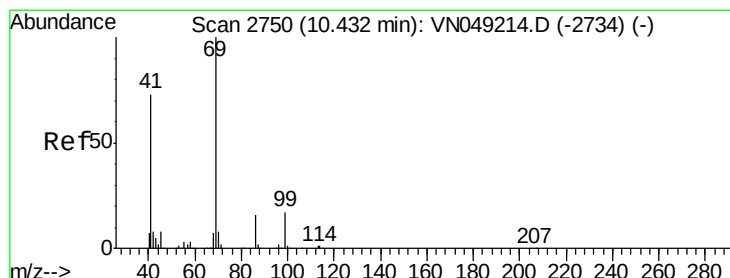
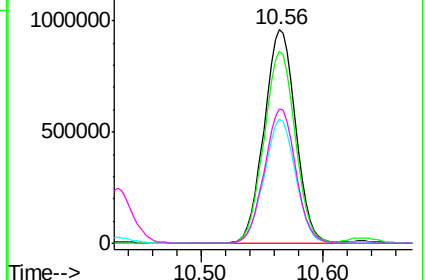
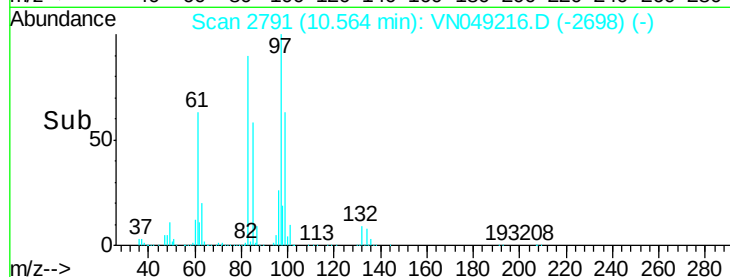


Abundance Ion 96.90 (96.60 to 97.60): VN049216.D (-2698) (-)

Ion 82.90 (82.60 to 83.60): VN049216.D (-2698) (-)

Ion 84.90 (84.60 to 85.60): VN049216.D (-2698) (-)

Ion 98.90 (98.60 to 99.60): VN049216.D (-2698) (-)



#56

Ethyl methacrylate

Concen: 161.70 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

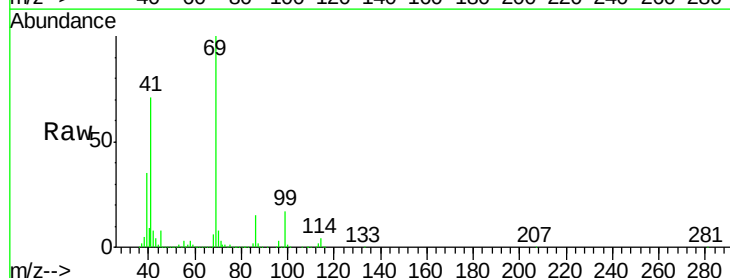
Tgt Ion: 69 Resp: 2502278

Ion Ratio Lower Upper

69 100

41 70.5 58.4 87.6

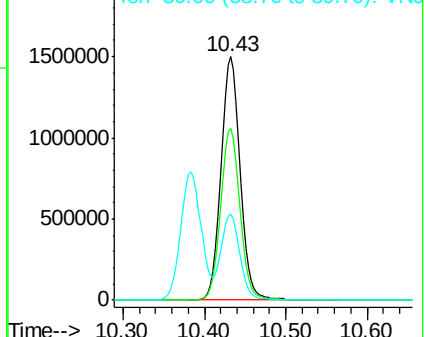
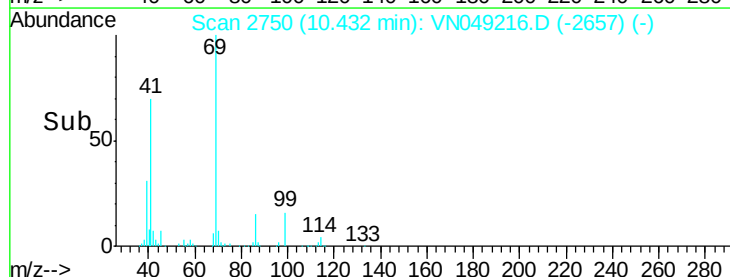
39 34.9 35.5 53.3#

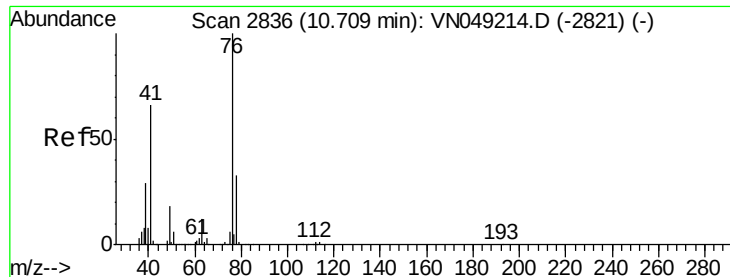


Abundance Ion 69.00 (68.70 to 69.70): VN049216.D (-2657) (-)

Ion 41.00 (40.70 to 41.70): VN049216.D (-2657) (-)

Ion 39.00 (38.70 to 39.70): VN049216.D (-2657) (-)





#57

1,3-Dichloropropane

Concen: 148.35 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

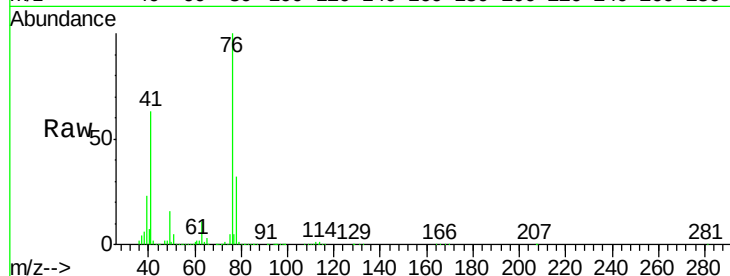
VSTDIC150

Tgt Ion: 76 Resp: 3077886

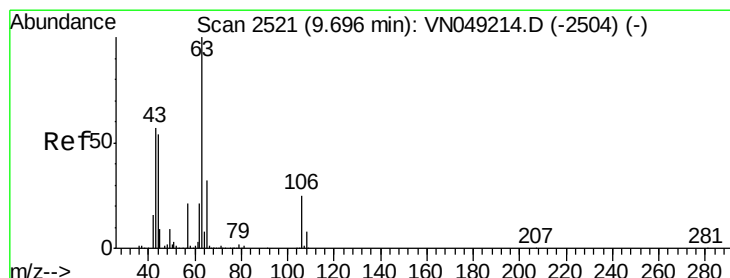
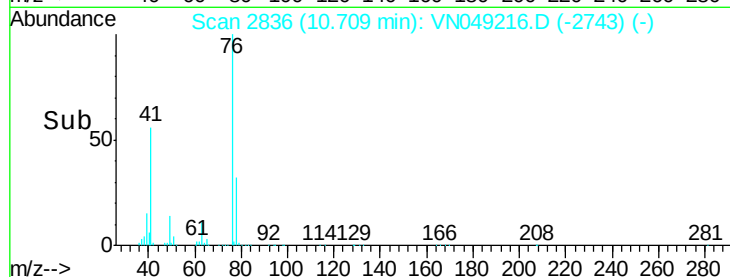
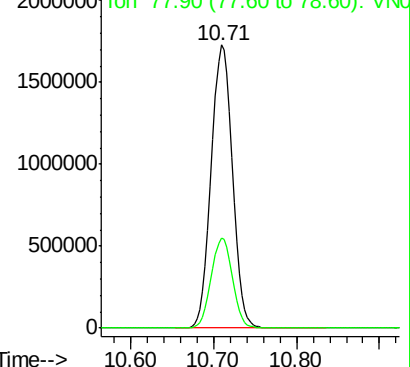
Ion Ratio Lower Upper

76 100

78 31.9 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN049216.D (-2743) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 846.21 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049216.D

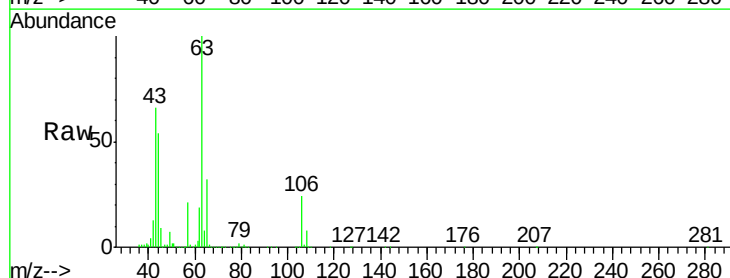
Acq: 13 Jun 2018 22:18

Tgt Ion: 63 Resp: 4329070

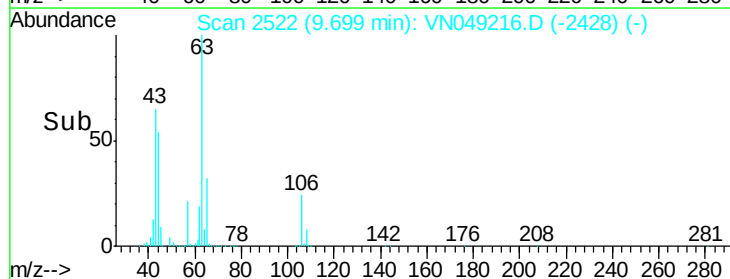
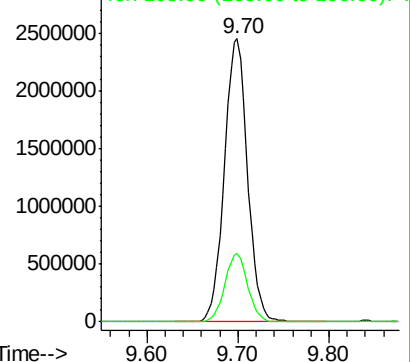
Ion Ratio Lower Upper

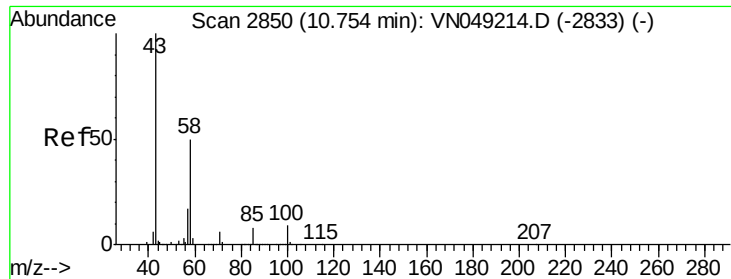
63 100

106 23.8 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN049216.D (-2428) (-)

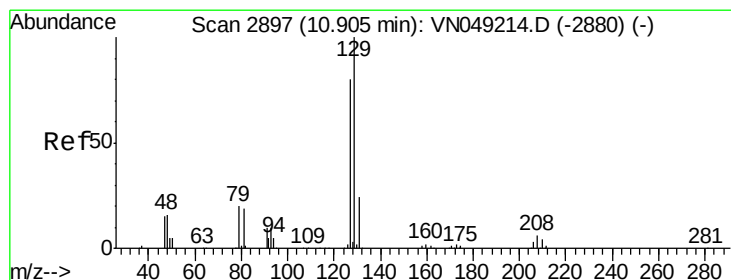
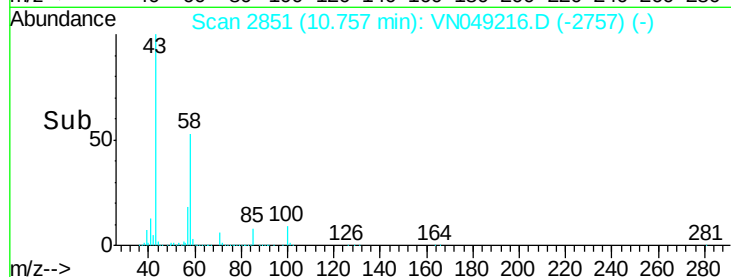
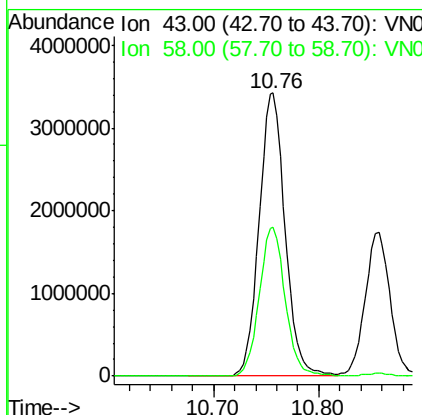
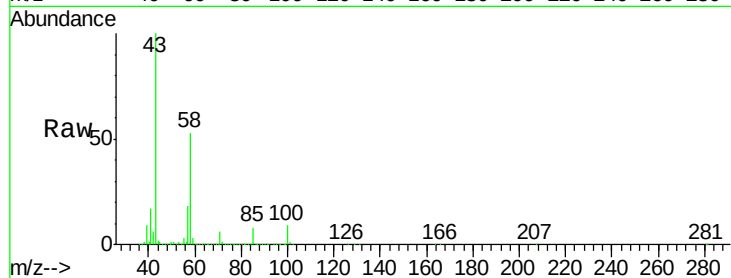




#59
2-Hexanone
Concen: 760.98 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

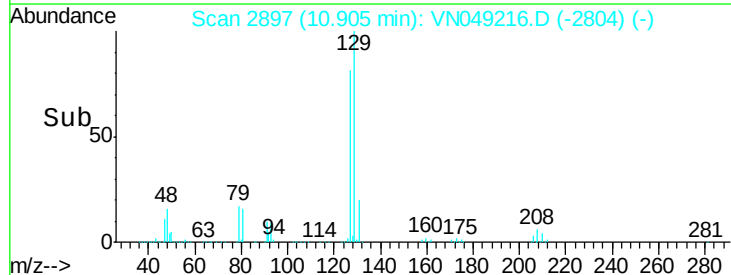
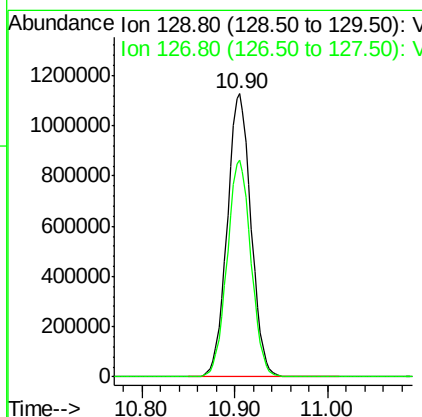
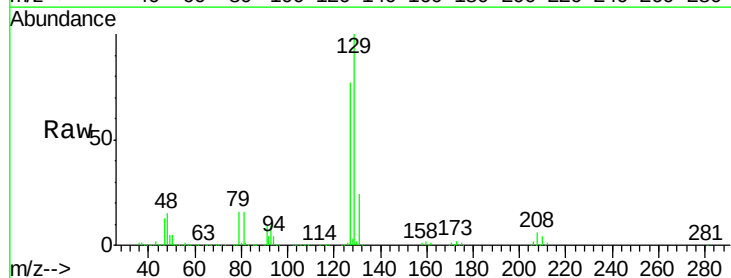
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

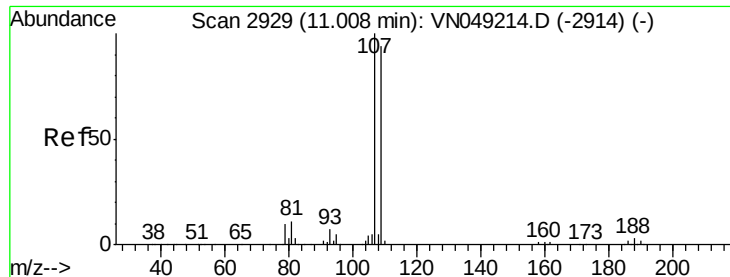
Tgt Ion: 43 Resp: 5891231
Ion Ratio Lower Upper
43 100
58 52.6 25.2 75.6



#60
Dibromochloromethane
Concen: 151.04 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 129 Resp: 2008611
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2

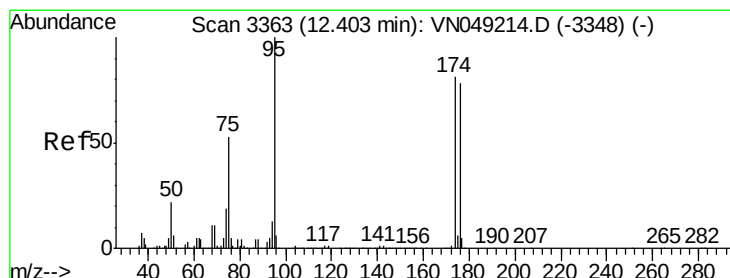
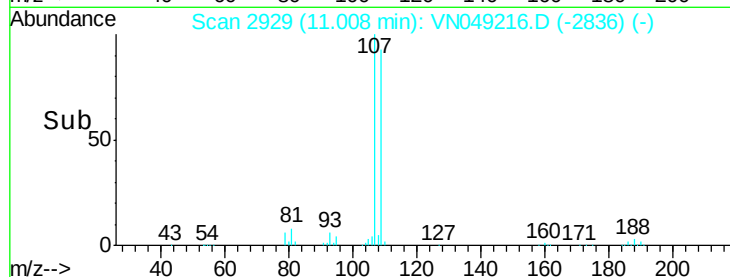
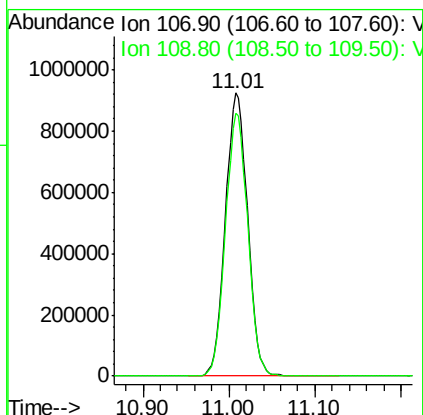
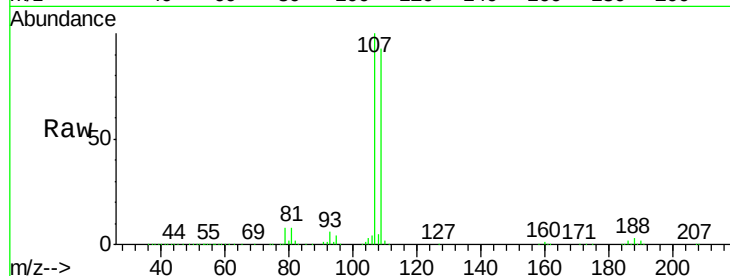




#61
 1,2-Dibromoethane
 Concen: 148.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

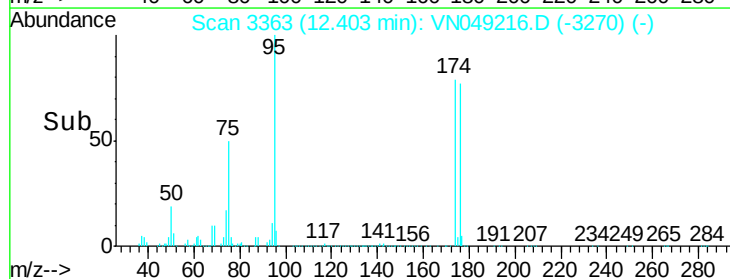
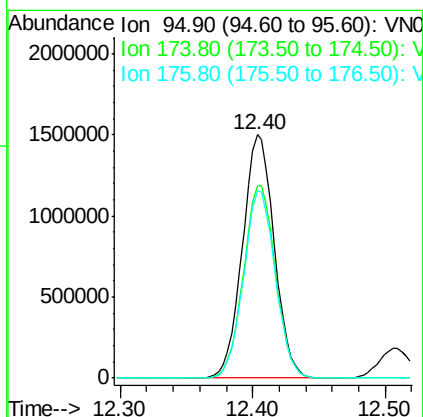
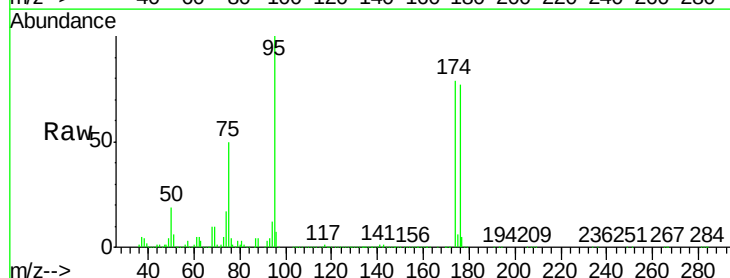
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

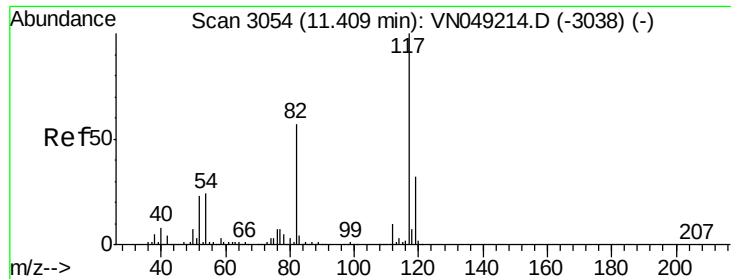
Tgt Ion: 107 Resp: 1658084
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 158.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion: 95 Resp: 2494567
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 165.6
 176 77.2 0.0 157.4

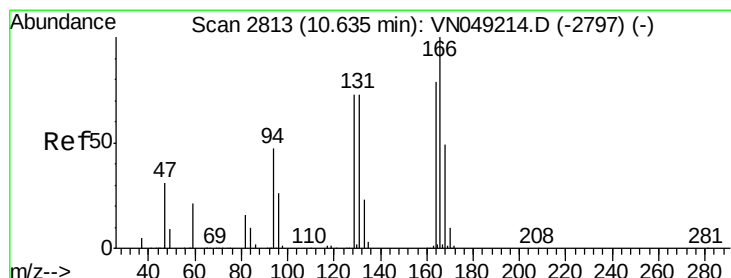
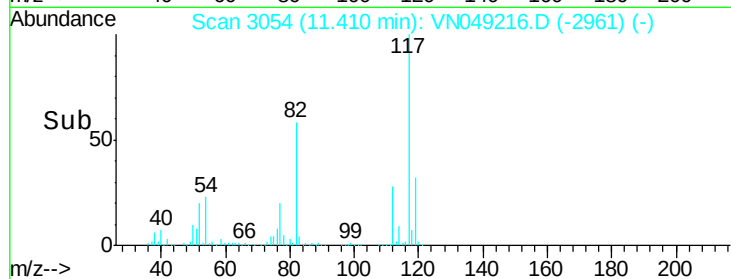
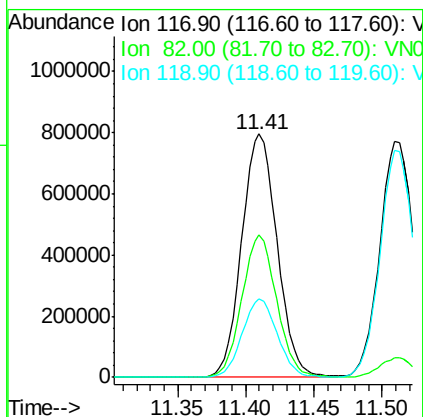
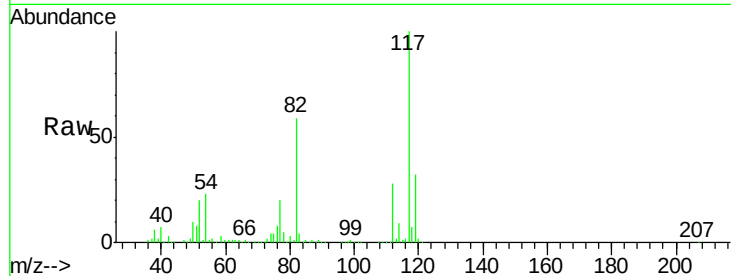




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

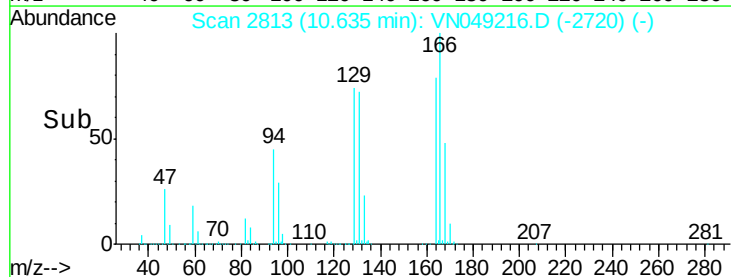
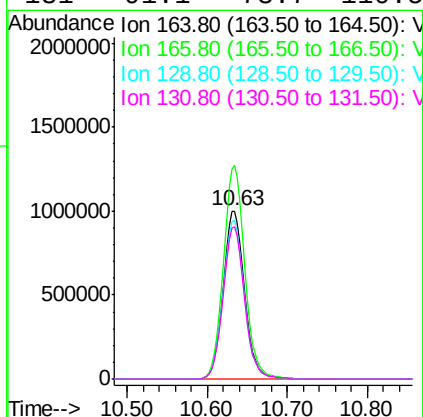
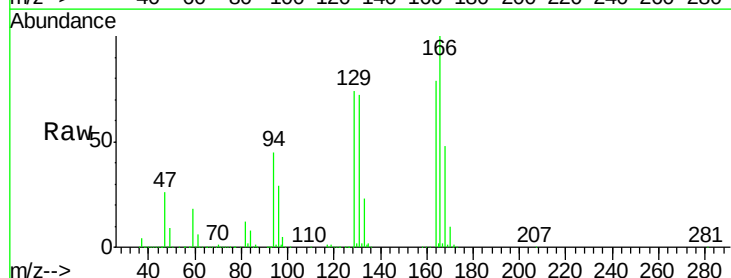
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

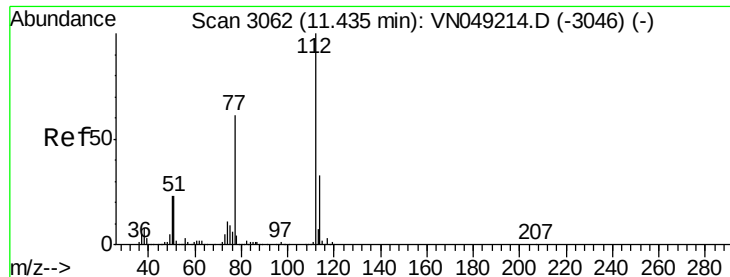
Tgt Ion:117 Resp: 1436177
Ion Ratio Lower Upper
117 100
82 58.5 45.9 68.9
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 132.80 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion:164 Resp: 1844283
Ion Ratio Lower Upper
164 100
166 127.3 101.4 152.2
129 94.4 74.1 111.1
131 91.1 73.7 110.5

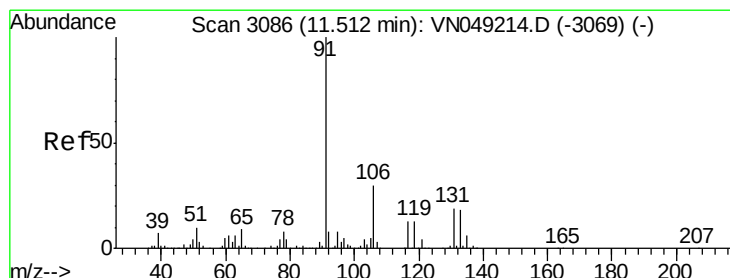
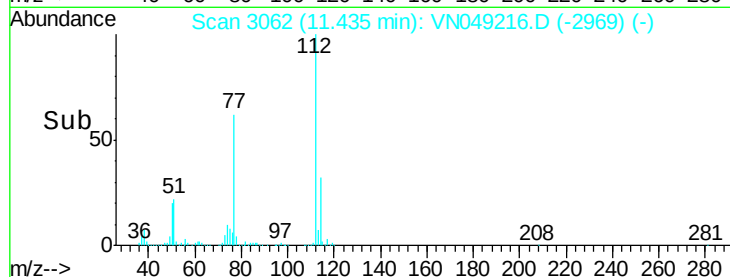
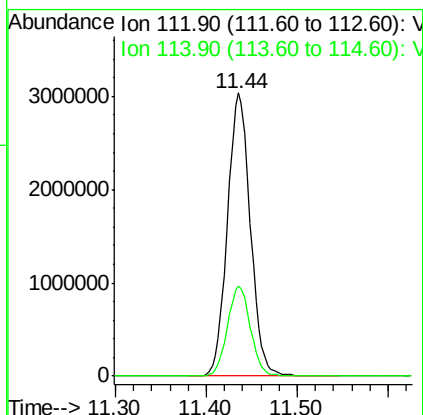
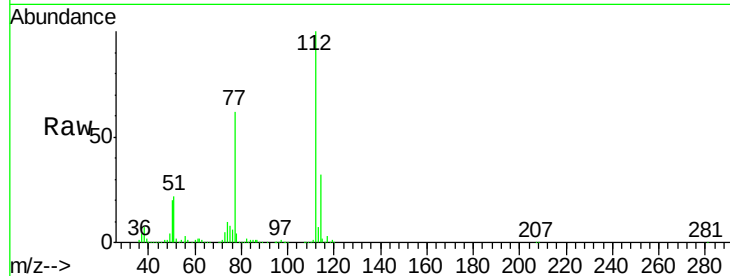




#65
Chlorobenzene
Concen: 143.43 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

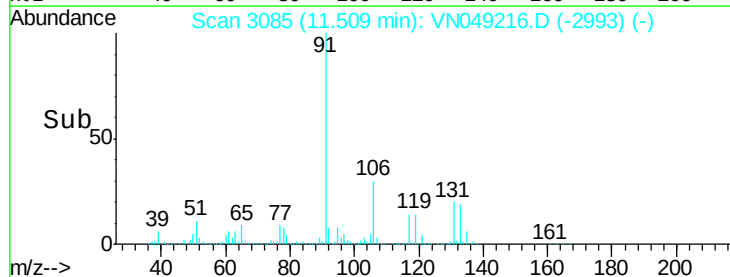
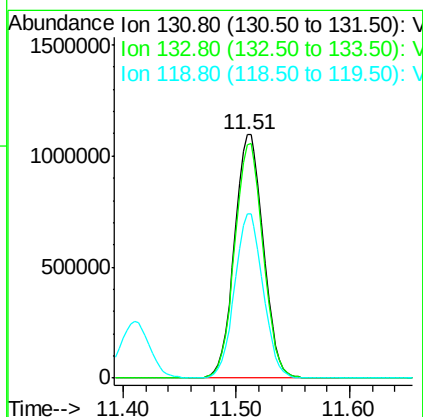
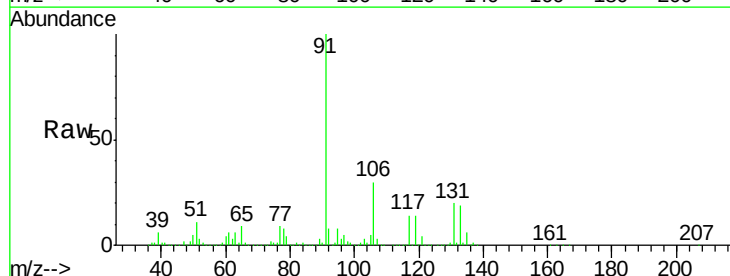
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

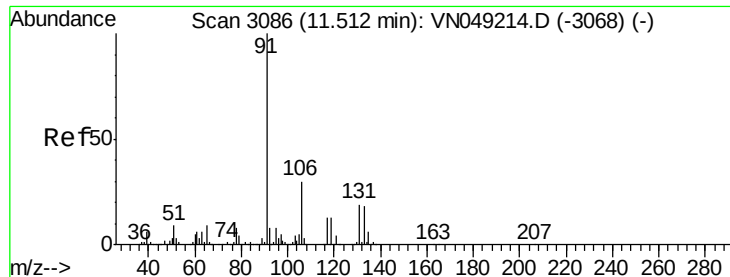
Tgt Ion:112 Resp: 5299974
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 140.88 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion:131 Resp: 1943312
Ion Ratio Lower Upper
131 100
133 95.2 48.0 144.2
119 66.9 33.6 100.8

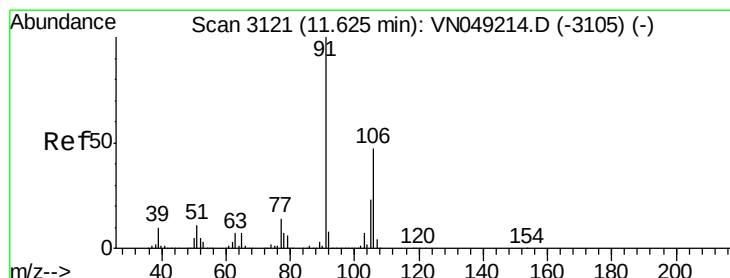
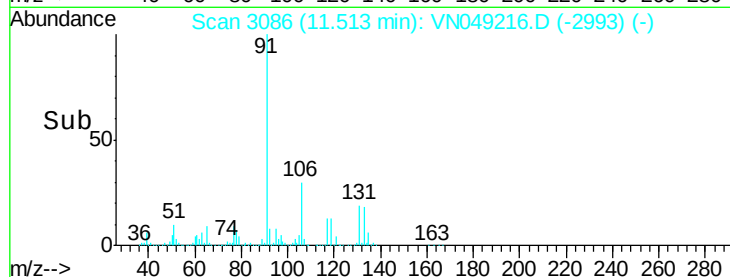
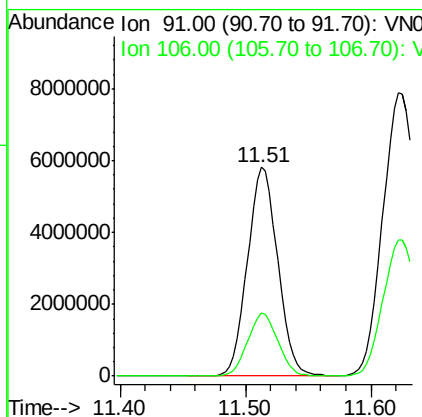
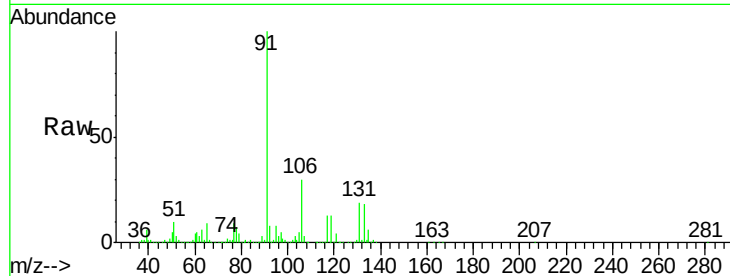




#67
Ethyl Benzene
Concen: 149.02 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

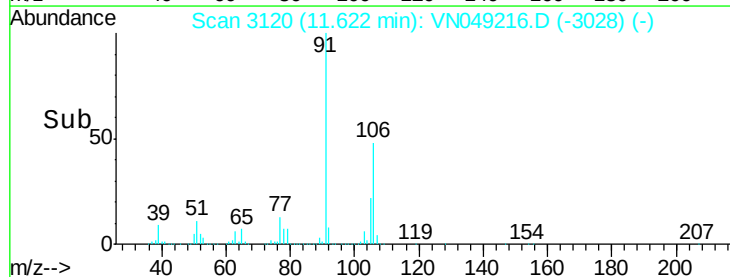
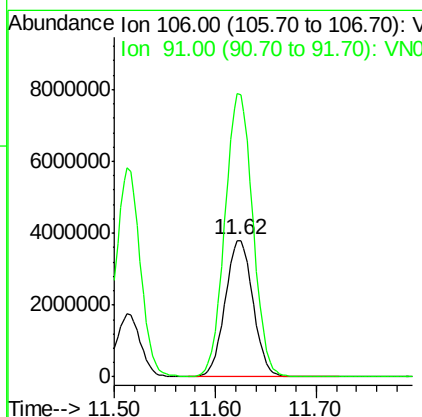
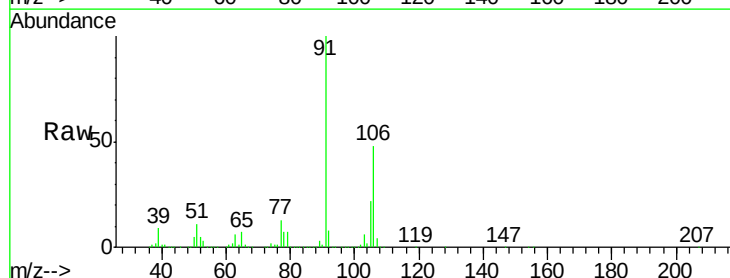
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

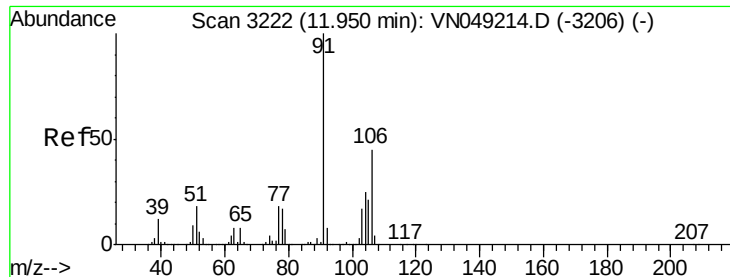
Tgt Ion: 91 Resp: 9796522
Ion Ratio Lower Upper
91 100
106 30.1 23.9 35.9



#68
m/p-Xylenes
Concen: 298.99 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 106 Resp: 7306138
Ion Ratio Lower Upper
106 100
91 208.3 167.3 250.9

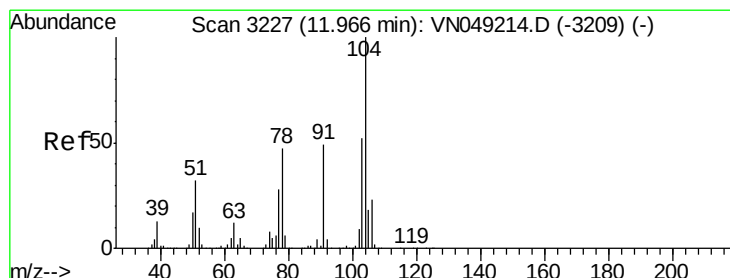
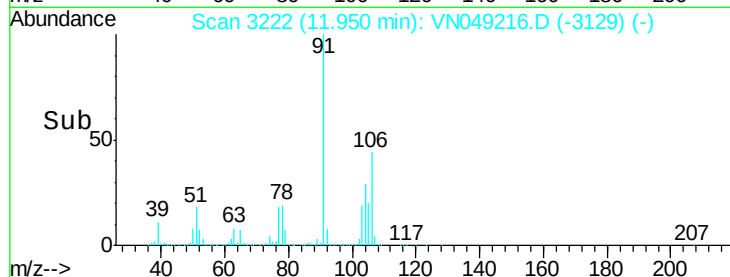
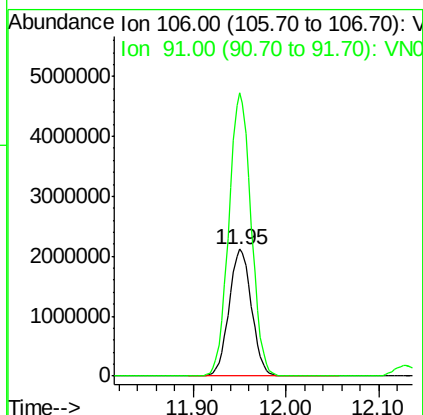
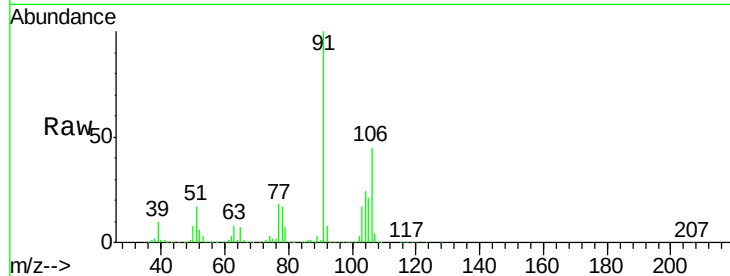




#69
o-Xylene
Concen: 151.38 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

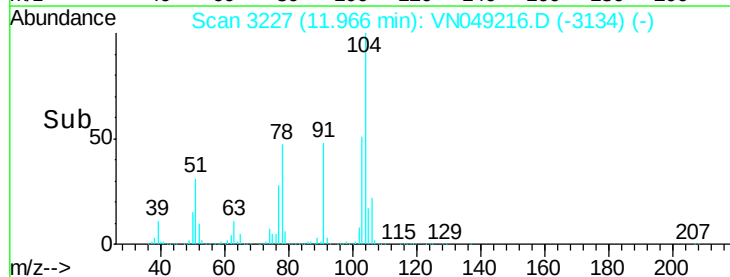
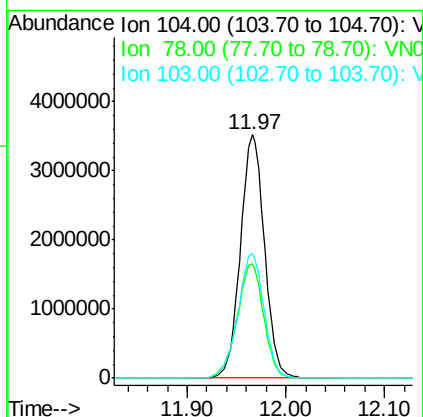
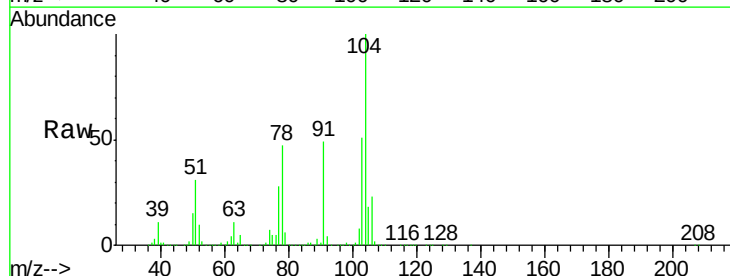
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

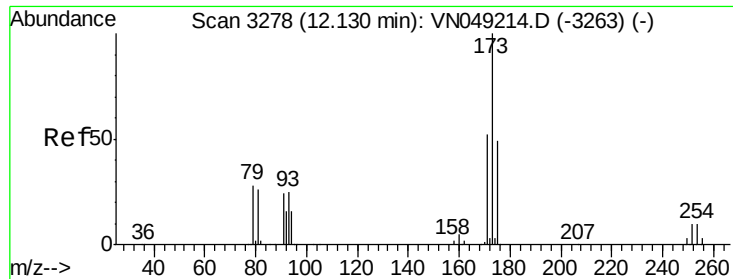
Tgt Ion:106 Resp: 3555246
Ion Ratio Lower Upper
106 100
91 221.1 111.0 333.0



#70
Styrene
Concen: 156.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion:104 Resp: 5914471
Ion Ratio Lower Upper
104 100
78 51.8 41.6 62.4
103 55.8 45.4 68.2





#71

Bromoform

Concen: 146.55 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

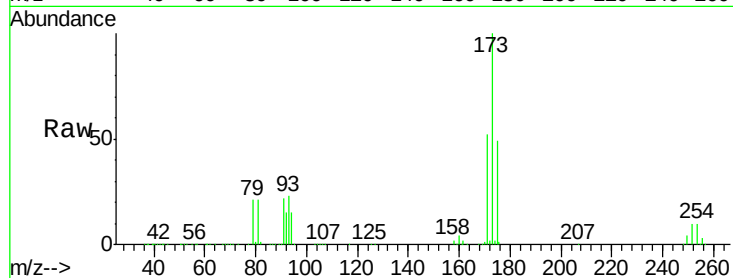
Tgt Ion:173 Resp: 1321886

Ion Ratio Lower Upper

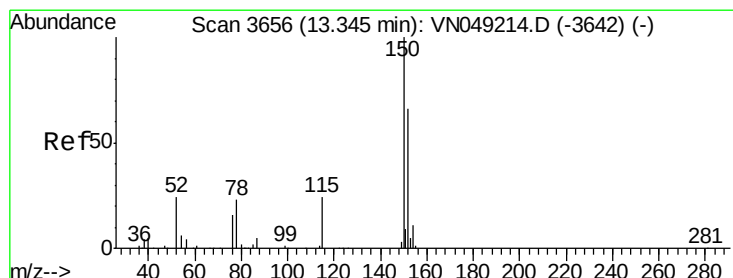
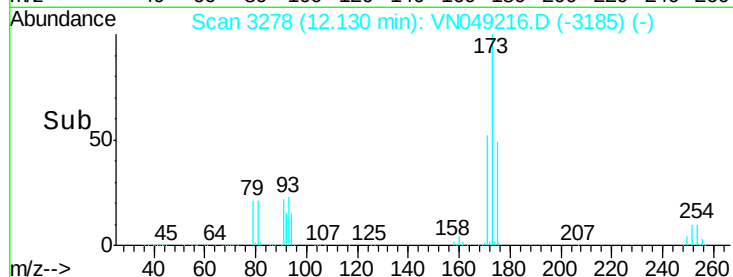
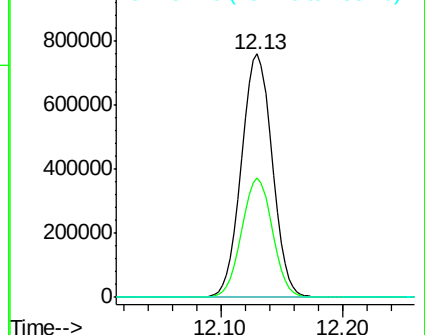
173 100

175 48.8 24.5 73.5

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

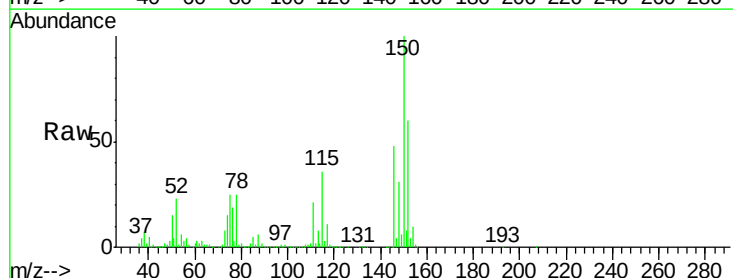
Tgt Ion:152 Resp: 735070

Ion Ratio Lower Upper

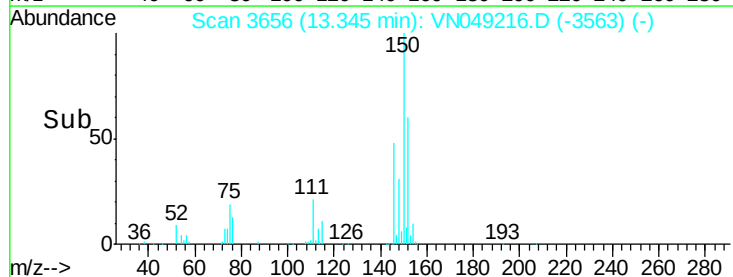
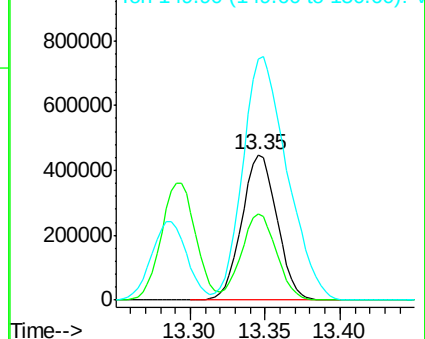
152 100

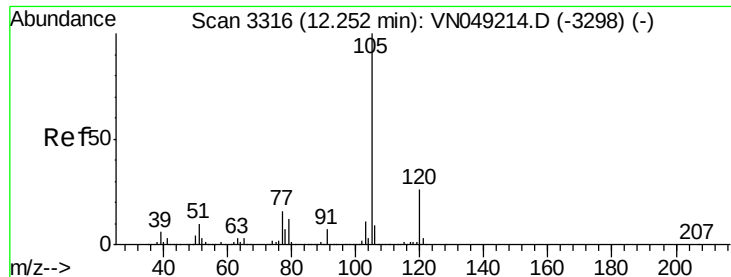
115 58.6 28.7 86.1

150 210.7 0.0 351.0



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: 139.34 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

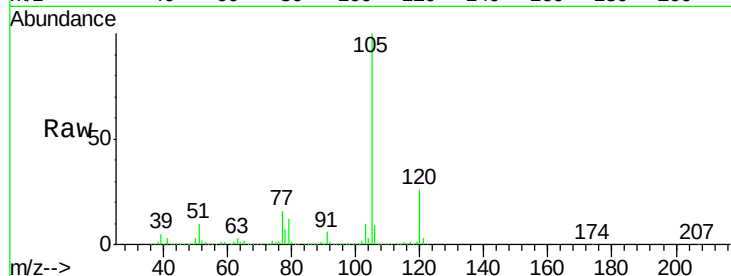
VSTDIC150

Tgt Ion:105 Resp: 9496006

Ion Ratio Lower Upper

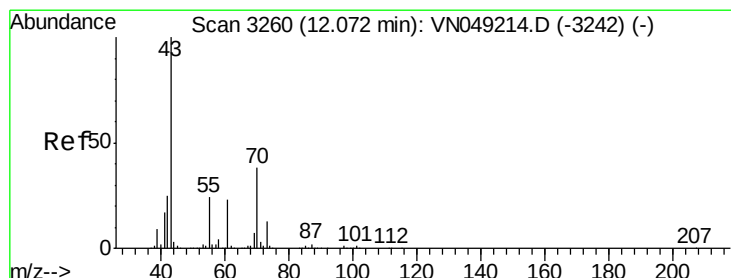
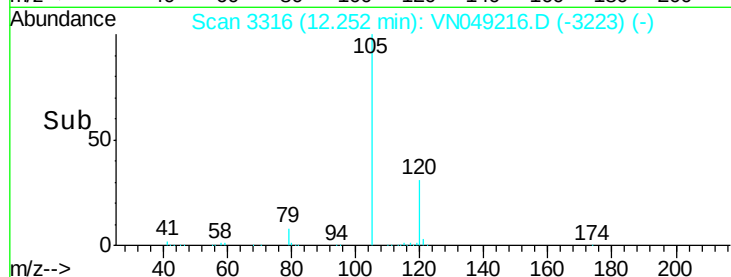
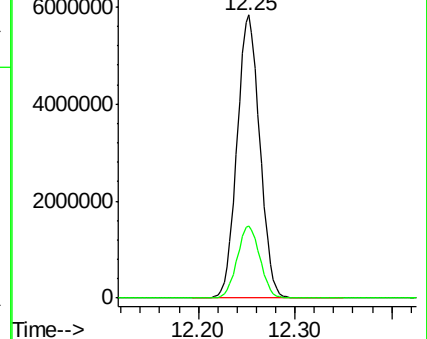
105 100

120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 147.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Tgt Ion: 43 Resp: 2979716

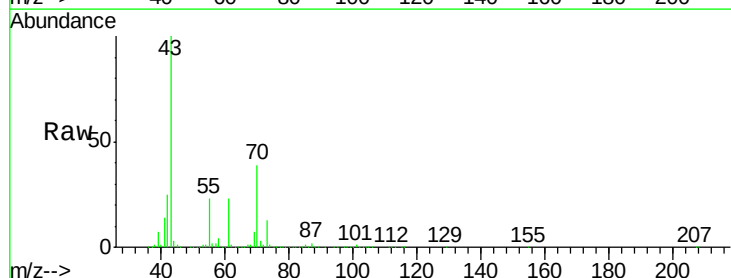
Ion Ratio Lower Upper

43 100

70 39.0 30.3 45.5

55 23.6 19.4 29.2

61 23.3 17.8 26.6

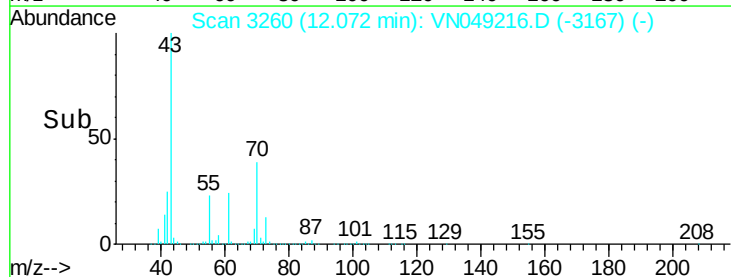
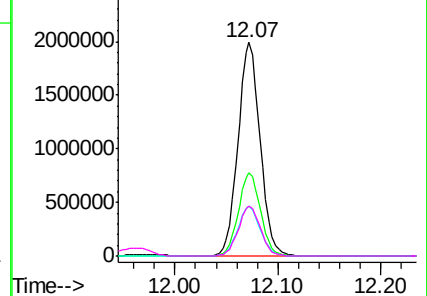


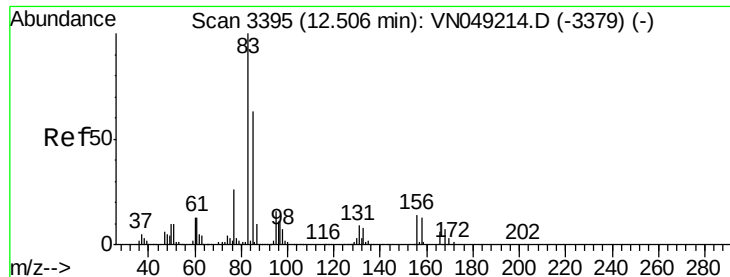
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 125.07 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

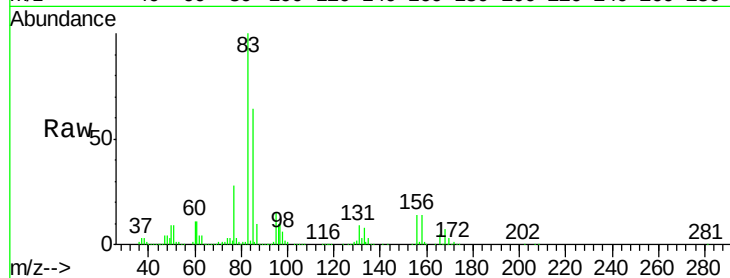
Tgt Ion: 83 Resp: 2080634

Ion Ratio Lower Upper

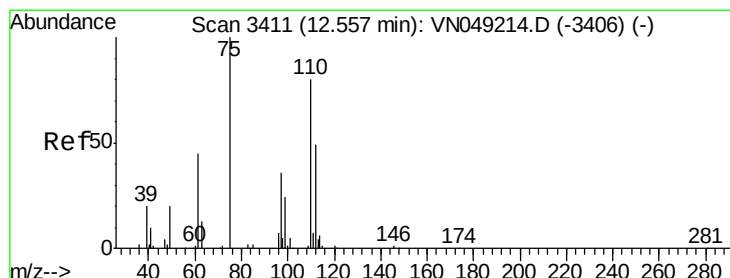
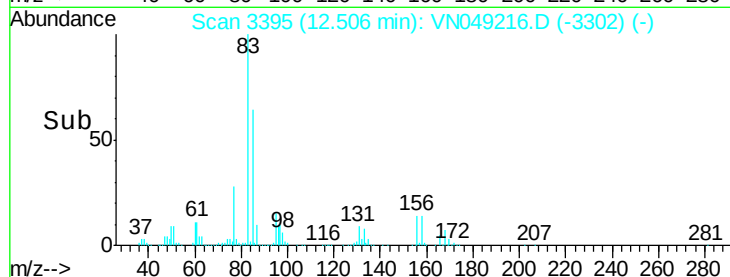
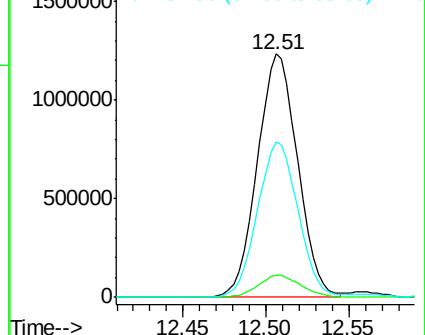
83 100

131 9.7 5.0 15.0

85 64.1 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 193.73 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049216.D

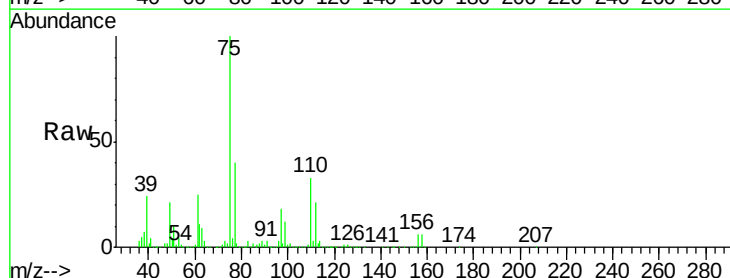
Acq: 13 Jun 2018 22:18

Tgt Ion: 75 Resp: 2741670

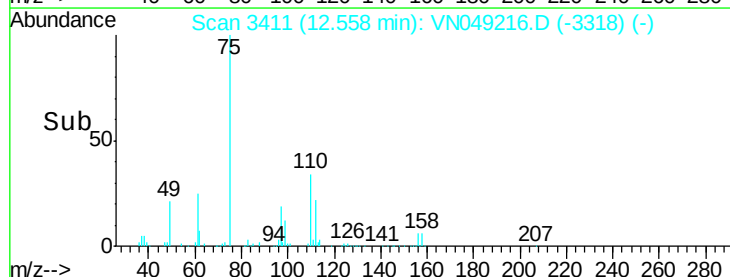
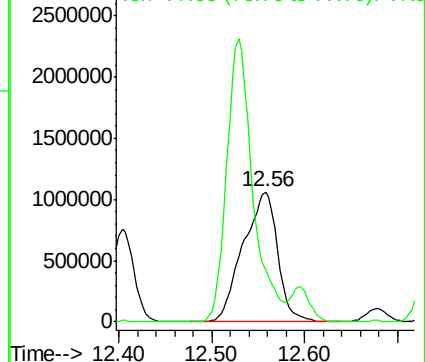
Ion Ratio Lower Upper

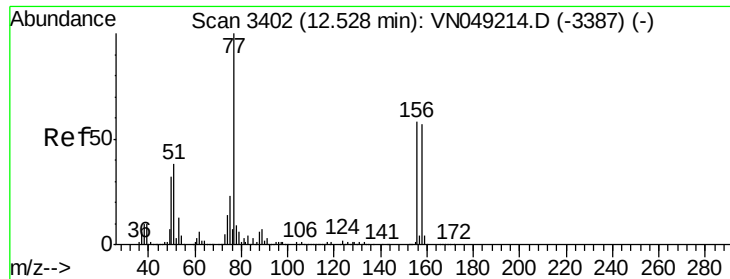
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 138.67 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

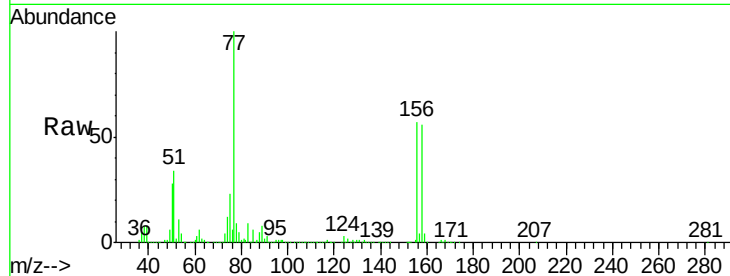
Tgt Ion:156 Resp: 2219806

Ion Ratio Lower Upper

156 100

77 203.2 100.8 302.4

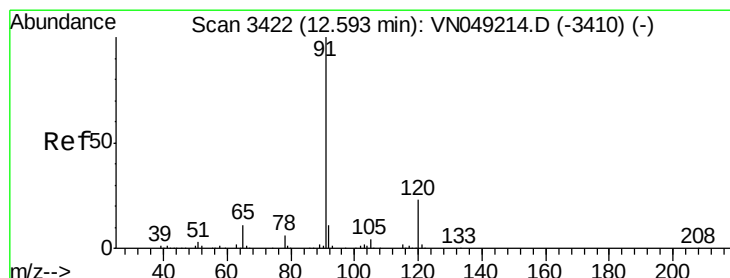
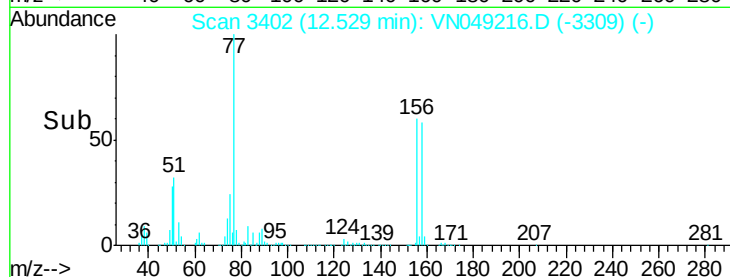
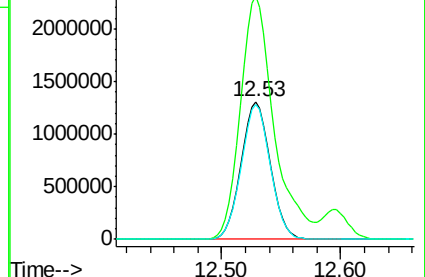
158 97.6 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 145.49 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049216.D

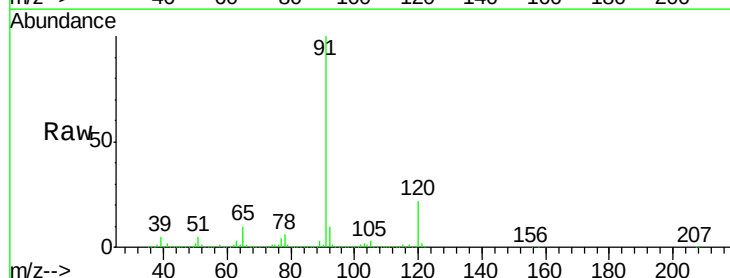
Acq: 13 Jun 2018 22:18

Tgt Ion: 91 Resp:11324954

Ion Ratio Lower Upper

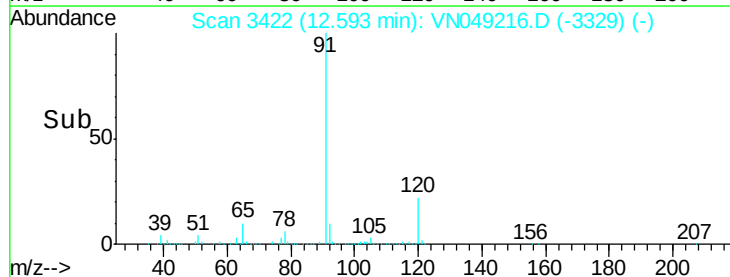
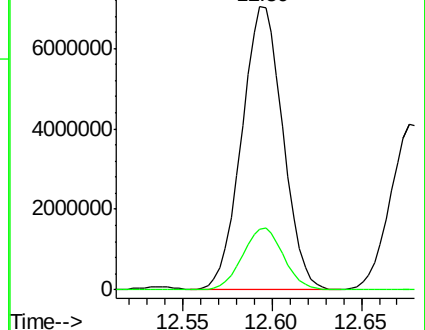
91 100

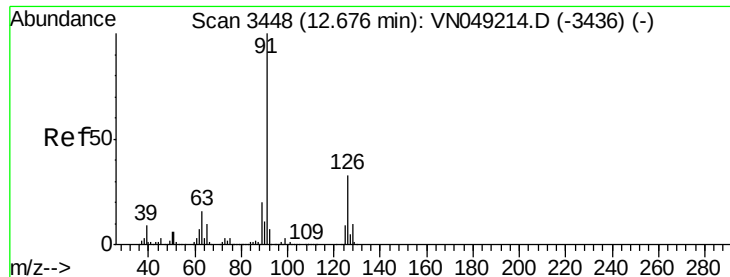
120 21.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 141.35 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

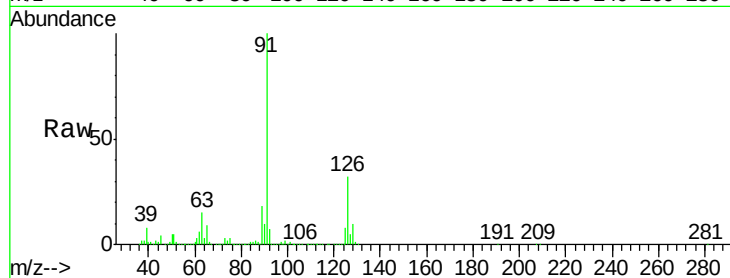
VSTDIC150

Tgt Ion: 91 Resp: 6679124

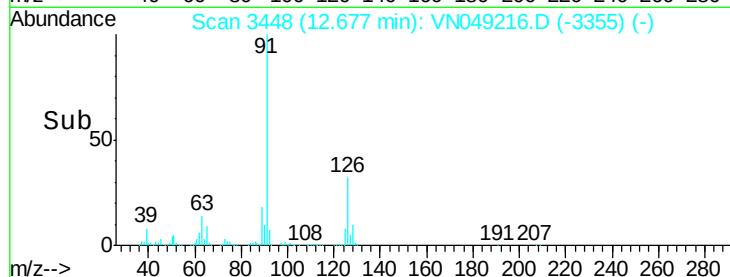
Ion Ratio Lower Upper

91 100

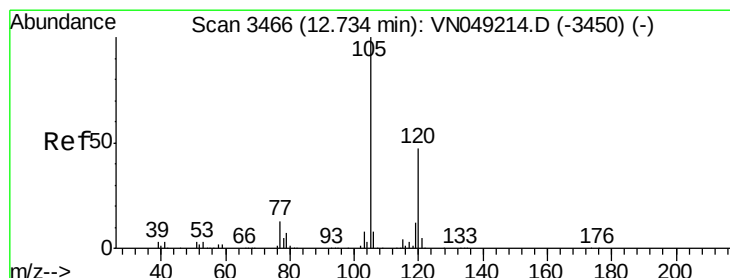
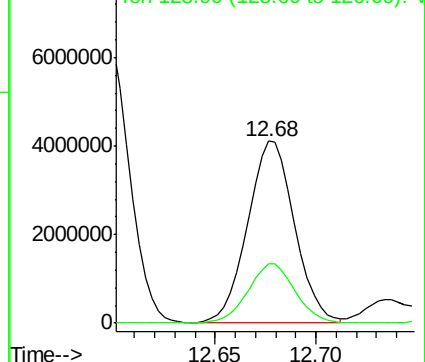
126 32.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049216.D (-3355) (-)



Ion 125.90 (125.60 to 126.60): VN049216.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 142.80 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049216.D

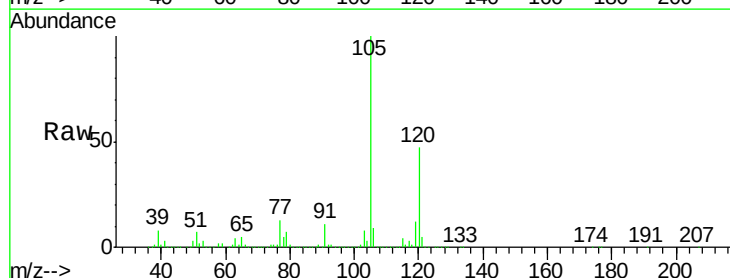
Acq: 13 Jun 2018 22:18

Tgt Ion: 105 Resp: 7775289

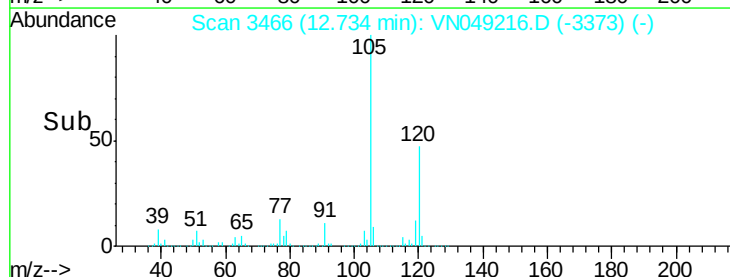
Ion Ratio Lower Upper

105 100

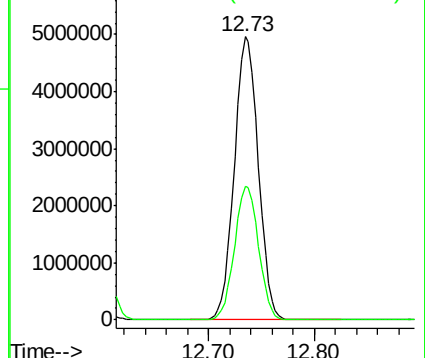
120 47.4 23.5 70.5

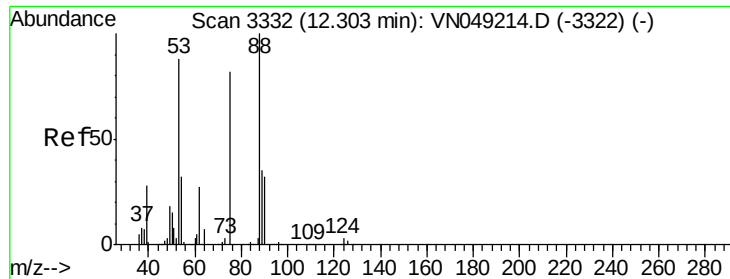


Abundance Ion 105.00 (104.70 to 105.70): VN049216.D (-3373) (-)



Ion 120.00 (119.70 to 120.70): VN049216.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 140.76 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

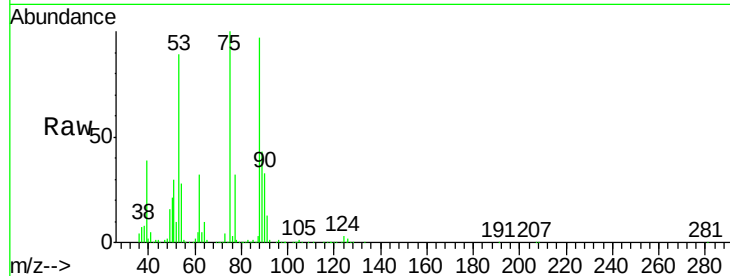
Tgt Ion: 75 Resp: 624726

Ion Ratio Lower Upper

75 100

53 91.0 82.7 124.1

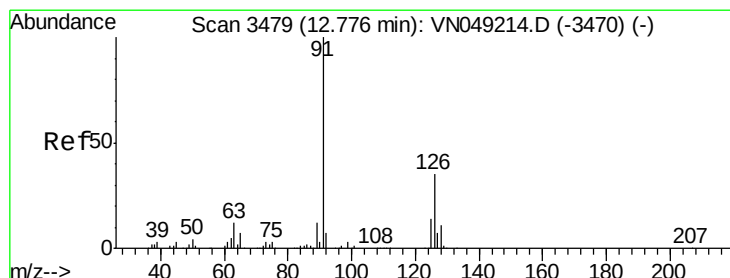
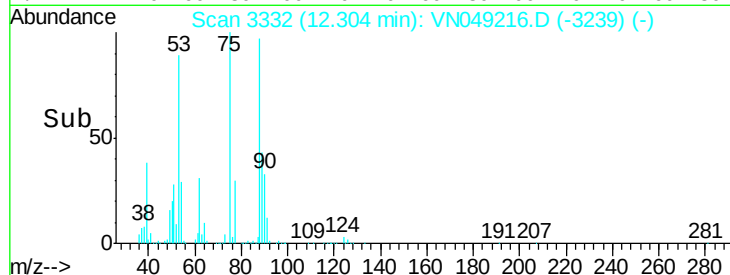
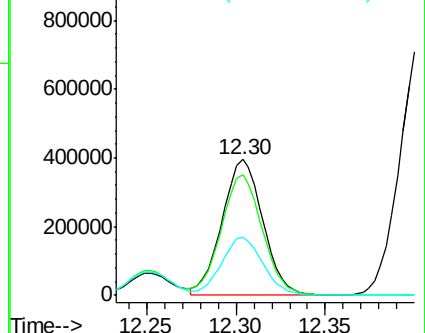
89 43.7 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 145.13 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049216.D

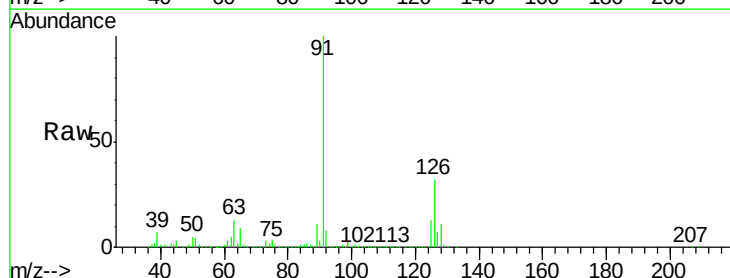
Acq: 13 Jun 2018 22:18

Tgt Ion: 91 Resp: 6754197

Ion Ratio Lower Upper

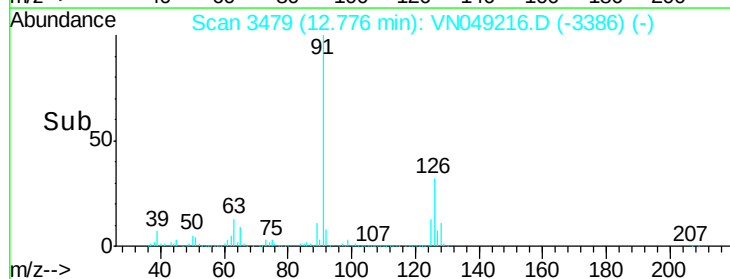
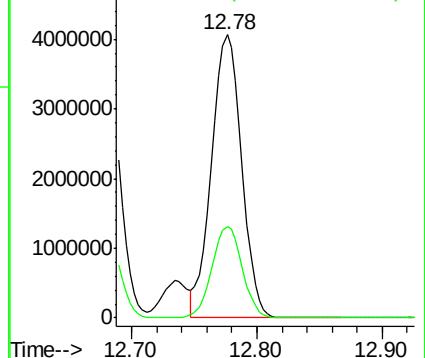
91 100

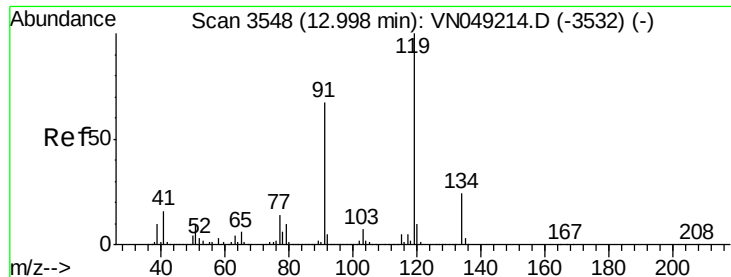
126 32.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 141.44 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

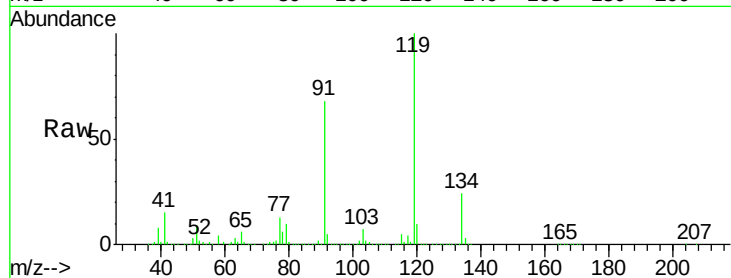
Tgt Ion:119 Resp: 6488267

Ion Ratio Lower Upper

119 100

91 67.1 33.7 101.0

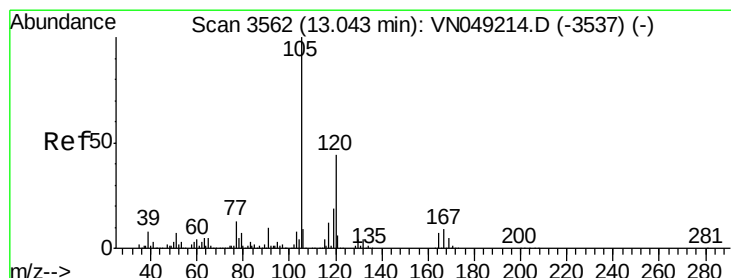
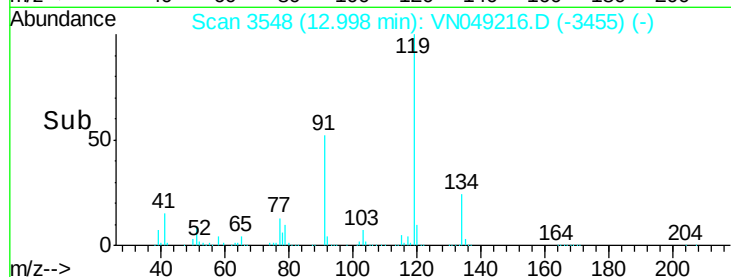
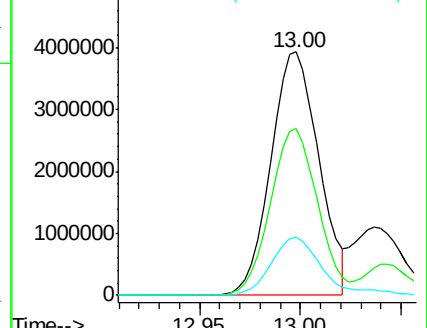
134 25.4 12.9 38.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 143.78 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049216.D

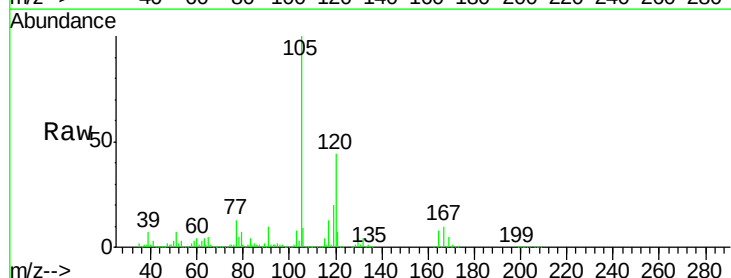
Acq: 13 Jun 2018 22:18

Tgt Ion:105 Resp: 7906546

Ion Ratio Lower Upper

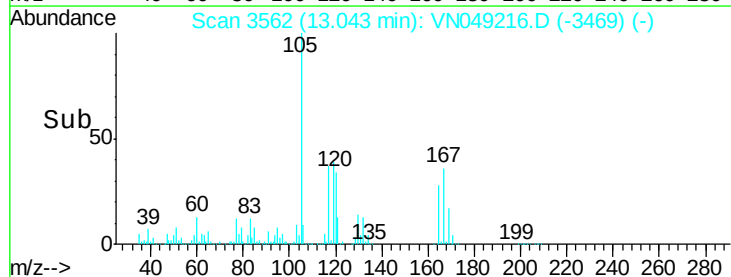
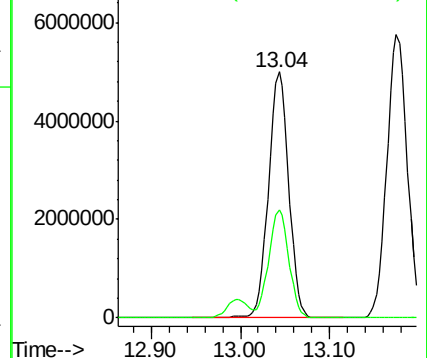
105 100

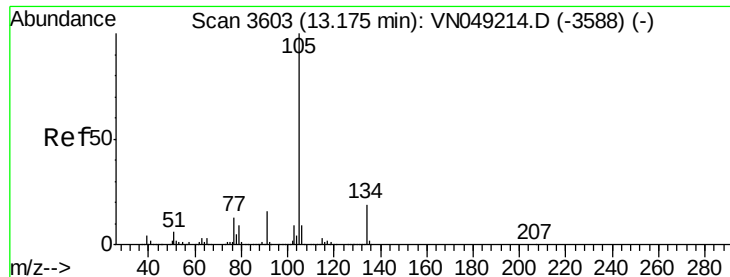
120 44.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 145.20 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

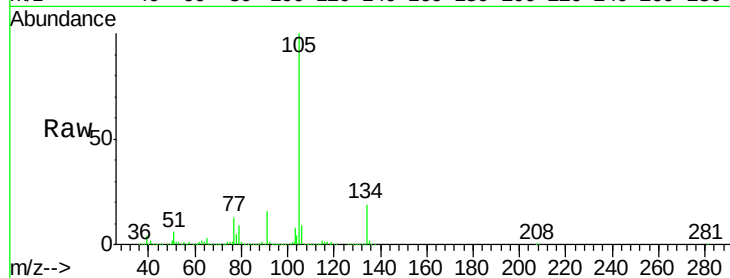
VSTDIC150

Tgt Ion:105 Resp: 9073591

Ion Ratio Lower Upper

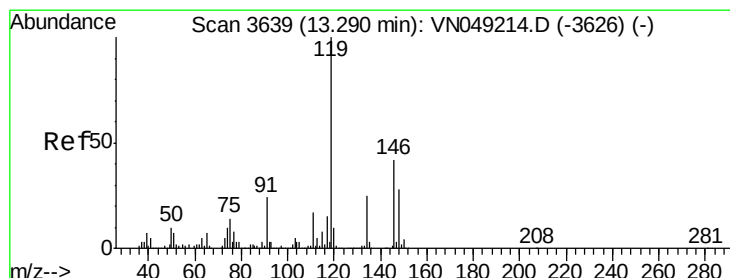
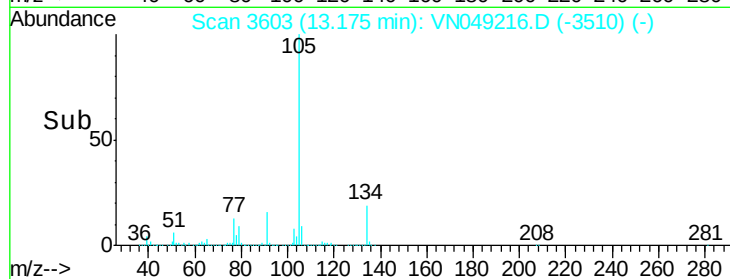
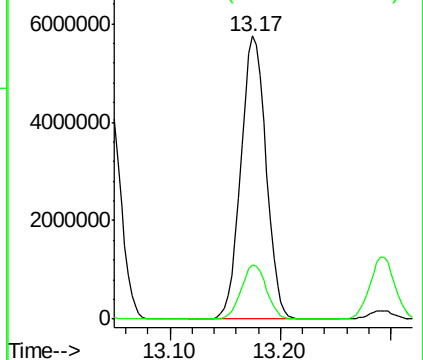
105 100

134 19.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 148.36 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

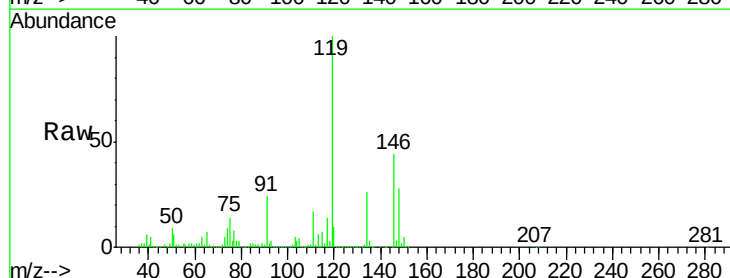
Tgt Ion:119 Resp: 7708091

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

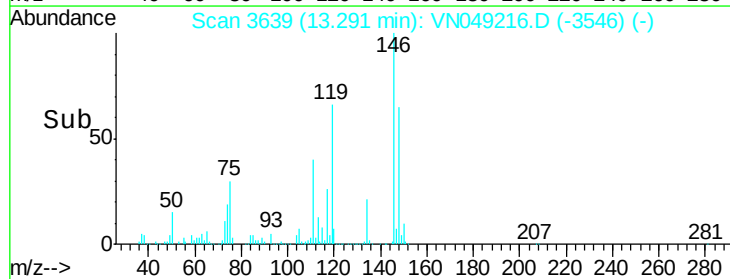
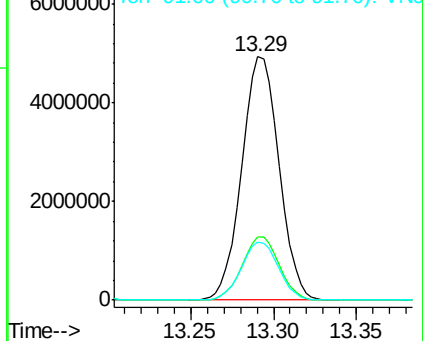
91 23.7 12.1 36.3

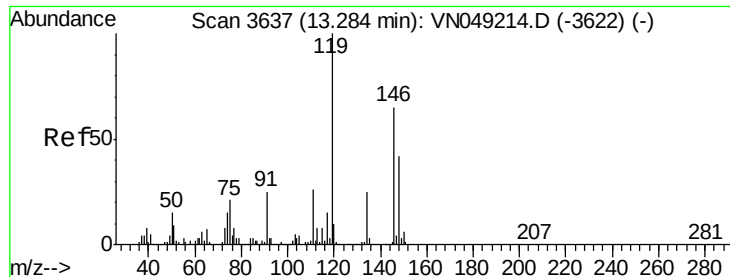


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

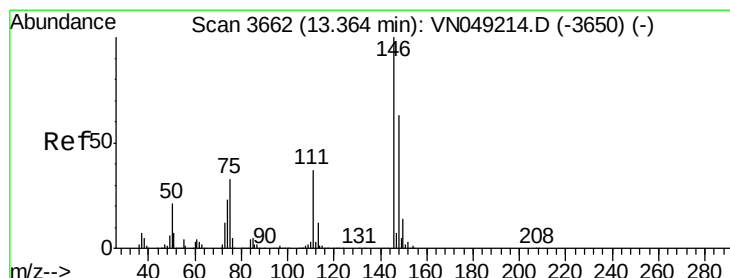
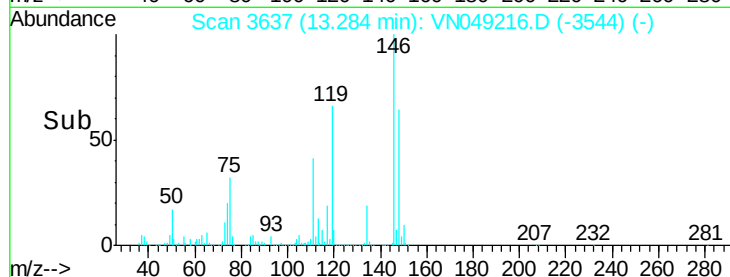
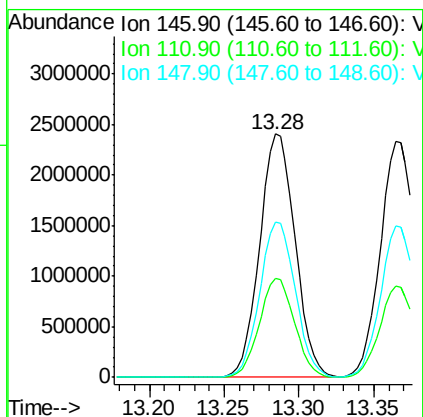
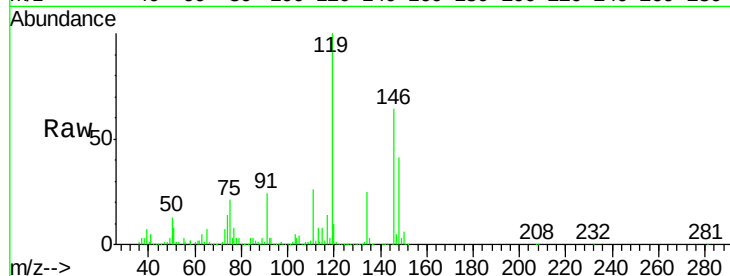




#87
 1,3-Dichlorobenzene
 Concen: 143.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

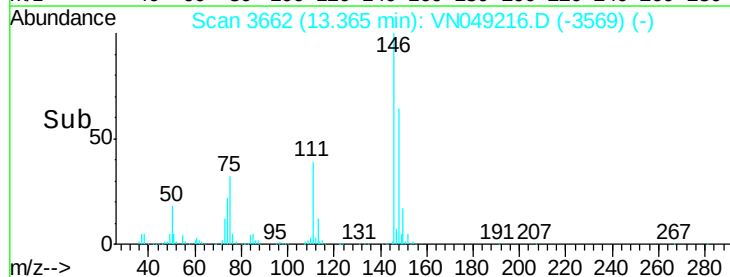
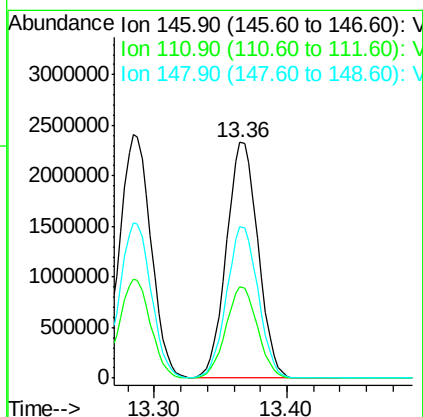
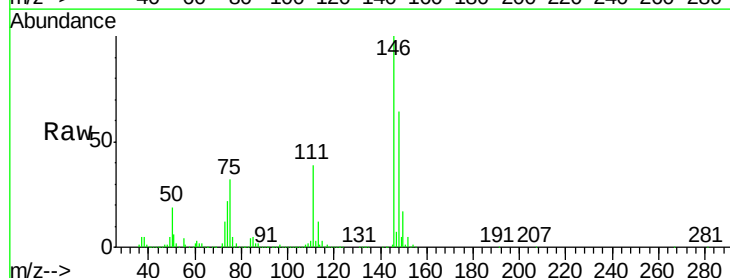
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

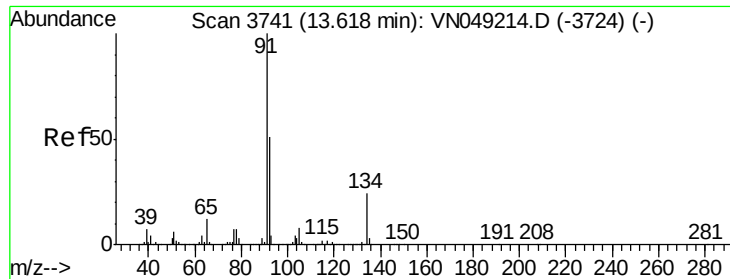
Tgt Ion:146 Resp: 3964904
 Ion Ratio Lower Upper
 146 100
 111 40.3 19.9 59.6
 148 64.0 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 144.44 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion:146 Resp: 3856788
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.1 57.1
 148 63.9 32.0 96.2

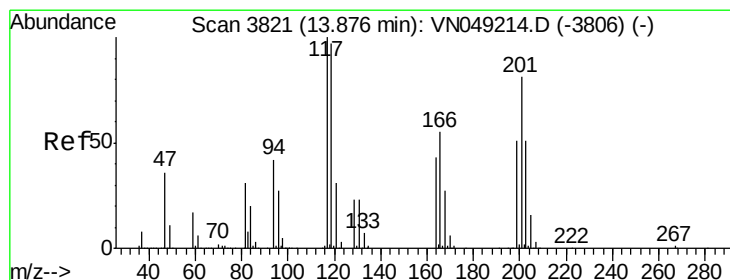
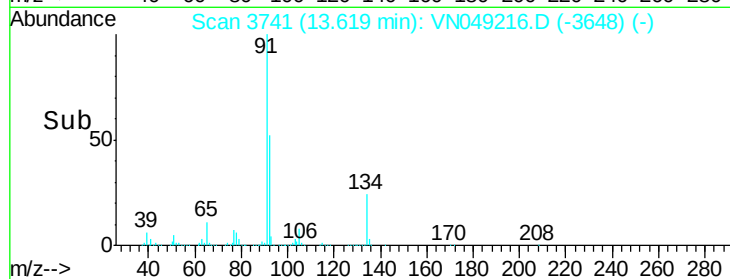
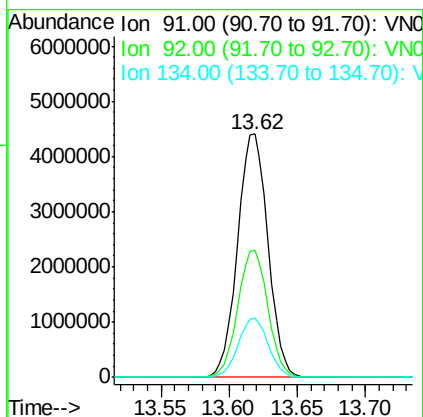
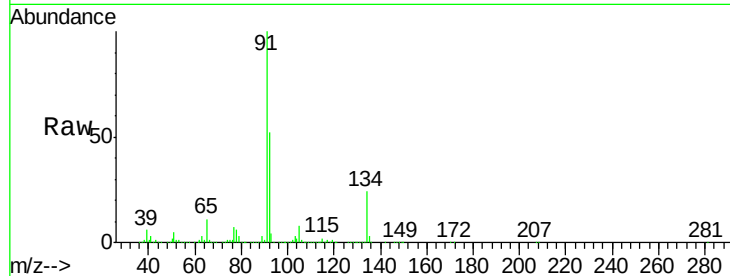




#89
n-Butylbenzene
Concen: 161.84 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

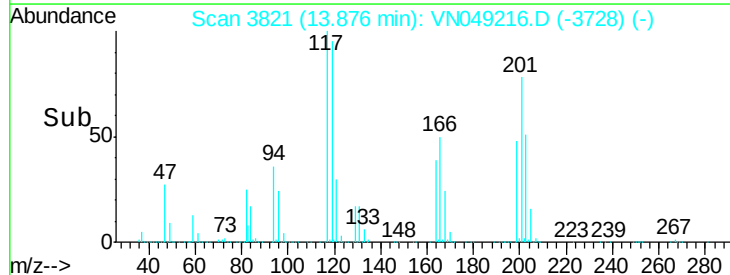
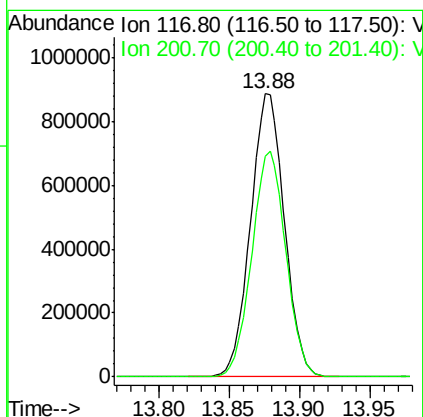
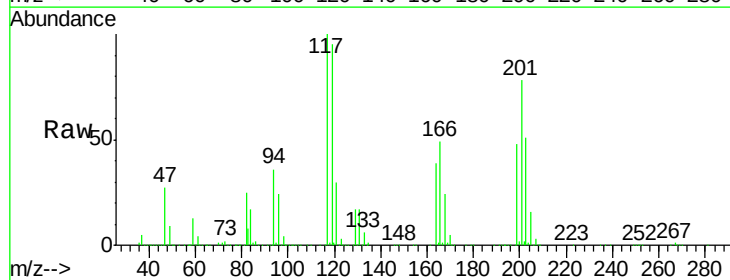
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

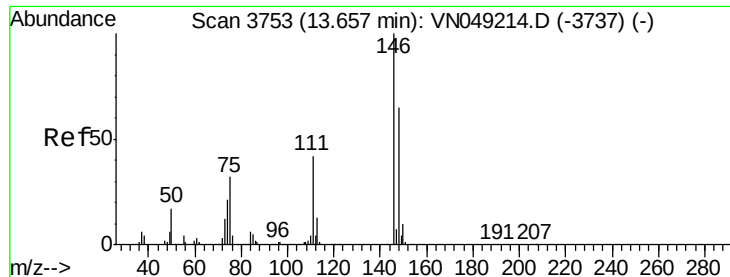
Tgt Ion: 91 Resp: 6800408
Ion Ratio Lower Upper
91 100
92 51.7 25.1 75.4
134 24.1 12.0 36.0



#90
Hexachloroethane
Concen: 134.04 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion: 117 Resp: 1489856
Ion Ratio Lower Upper
117 100
201 80.1 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 140.00 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

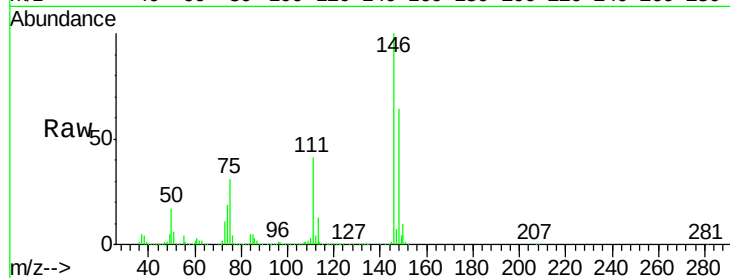
Tgt Ion:146 Resp: 3708003

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.2

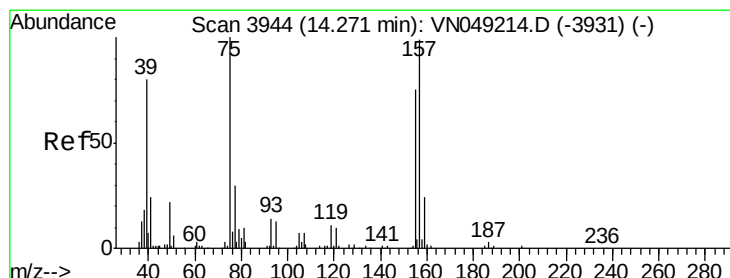
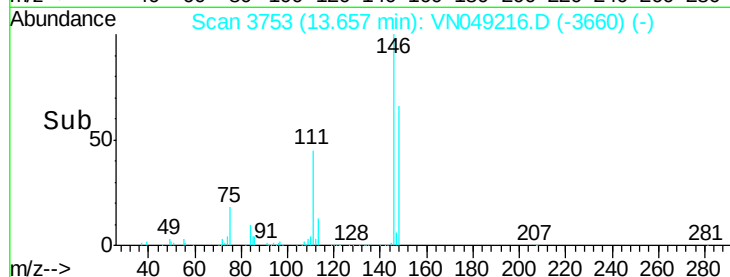
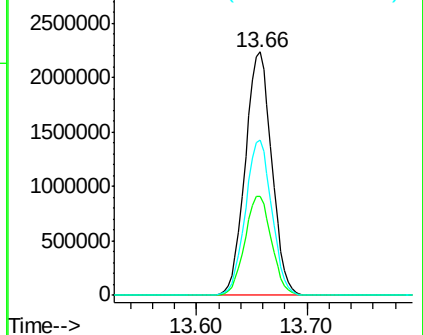
148 63.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 136.47 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049216.D

Acq: 13 Jun 2018 22:18

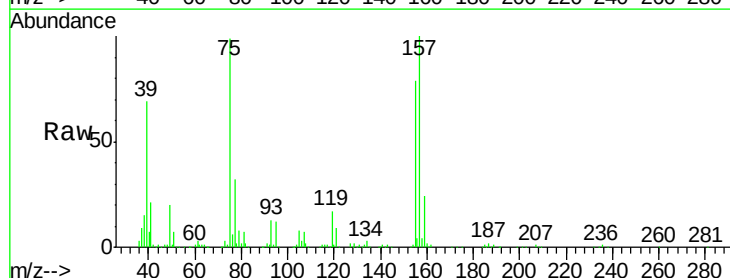
Tgt Ion: 75 Resp: 327823

Ion Ratio Lower Upper

75 100

155 80.5 38.8 116.3

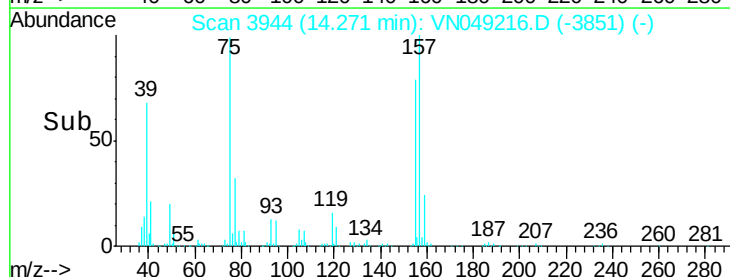
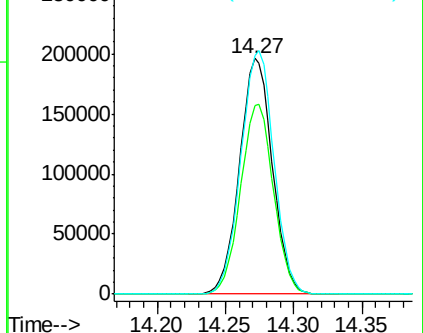
157 104.0 51.0 153.1

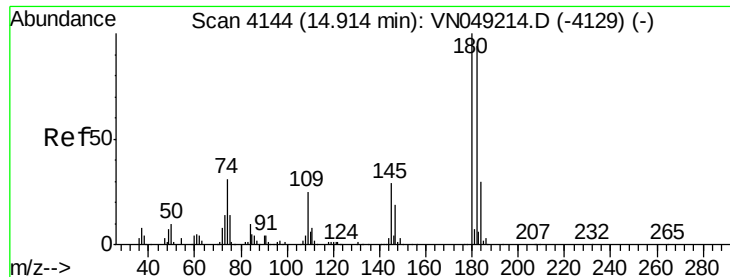


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

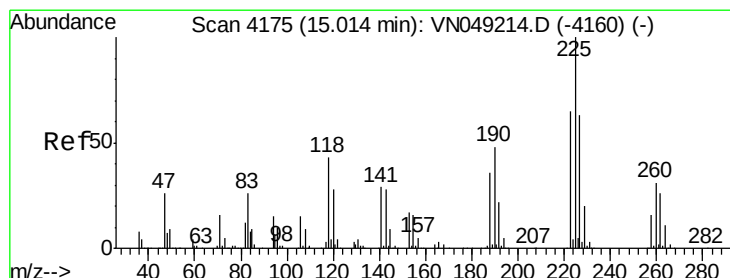
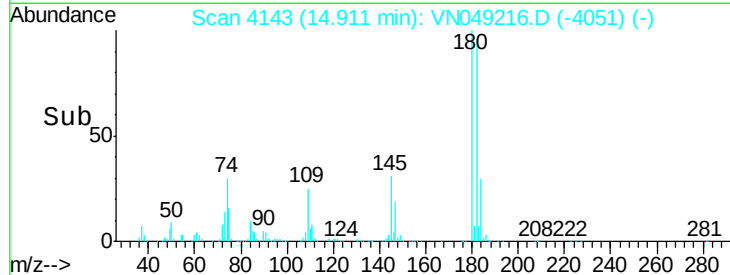
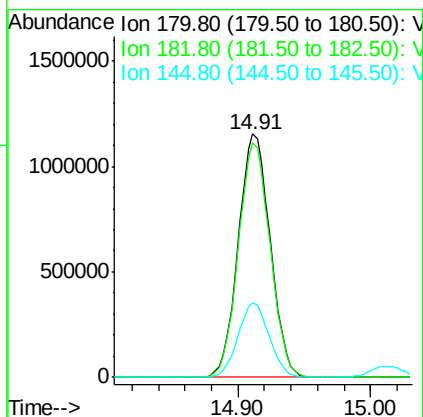
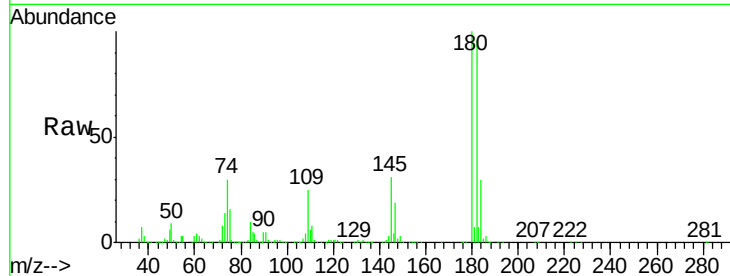




#93
 1,2,4-Trichlorobenzene
 Concen: 183.09 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

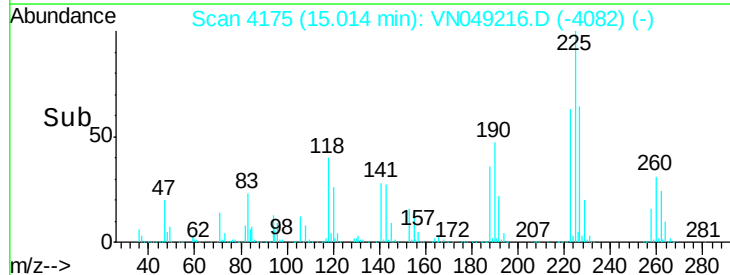
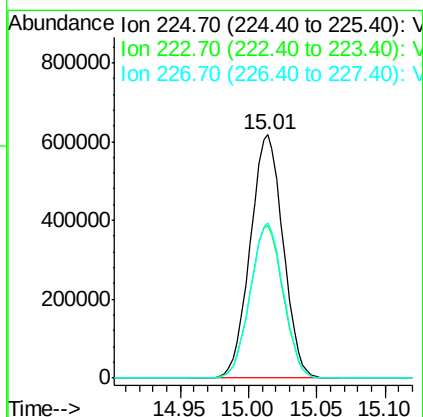
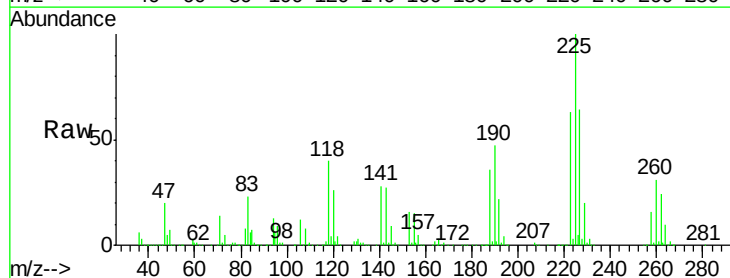
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

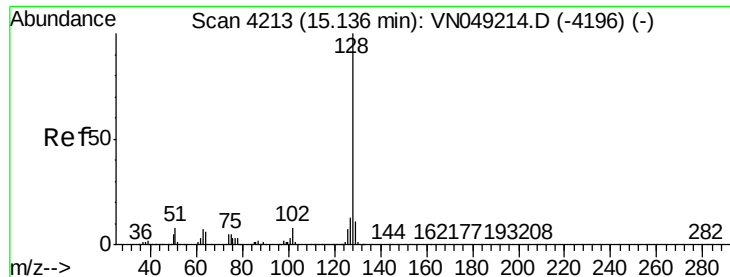
Tgt Ion:180 Resp: 1919570
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.9 140.8
 145 30.0 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 128.95 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049216.D
 Acq: 13 Jun 2018 22:18

Tgt Ion:225 Resp: 1030914
 Ion Ratio Lower Upper
 225 100
 223 63.2 32.1 96.3
 227 64.1 31.8 95.3

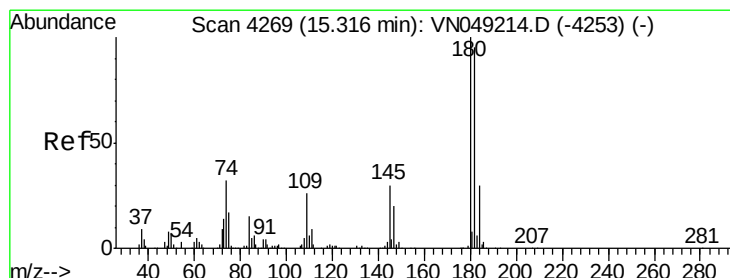
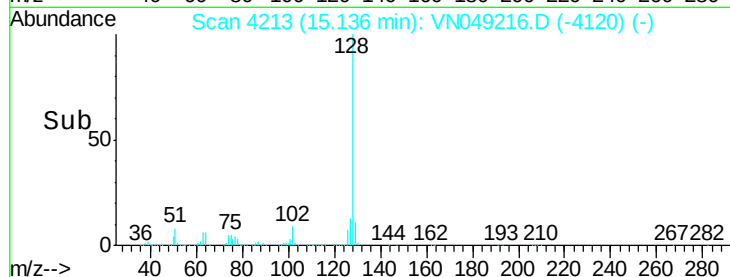
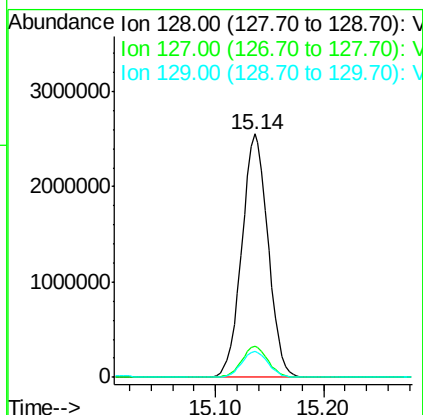
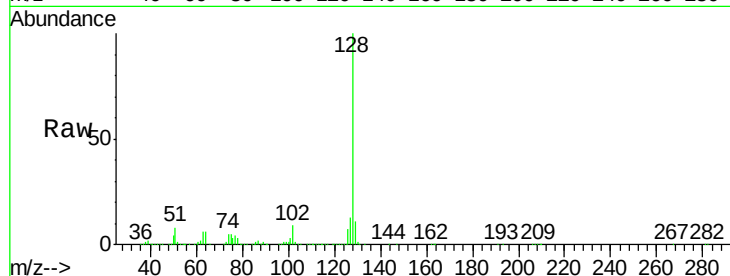




#95
Naphthalene
Concen: 187.41 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 4308049
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.8 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 175.48 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN049216.D
Acq: 13 Jun 2018 22:18

Tgt Ion:180 Resp: 1874079
Ion Ratio Lower Upper
180 100
182 95.2 47.3 141.8
145 31.6 15.6 46.7

