

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061318\
 Data File : VN049215.D
 Acq On : 13 Jun 2018 21:52
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jun 14 04:28:26 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	933814	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1449551	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1388594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	717105	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1399872	93.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.92%	
35) Dibromofluoromethane	7.59	113	1150734	96.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.36%	
50) Toluene-d8	10.09	98	4611048	99.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.78%	
62) 4-Bromofluorobenzene	12.40	95	1636077	106.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	993405	72.34	ug/l	99
3) Chloromethane	2.06	50	1127425	80.14	ug/l	98
4) Vinyl Chloride	2.18	62	1196704	85.18	ug/l	99
5) Bromomethane	2.55	94	689004	89.36	ug/l	97
6) Chloroethane	2.70	64	778636	86.29	ug/l	99
7) Trichlorofluoromethane	3.01	101	1651418	85.97	ug/l	99
8) Diethyl Ether	3.41	74	685214	102.24	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	1155521	98.99	ug/l	98
10) Methyl Iodide	3.95	142	1367641	122.23	ug/l	95
11) Tert butyl alcohol	4.80	59	409368	485.92	ug/l	98
12) 1,1-Dichloroethene	3.73	96	1093049	101.80	ug/l	97
13) Acrolein	3.61	56	611609	787.55	ug/l	100
14) Allyl chloride	4.32	41	2166827	105.64	ug/l	88
15) Acrylonitrile	4.99	53	2226118	491.23	ug/l	99
16) Acetone	3.82	43	1609890	457.85	ug/l	93
17) Carbon Disulfide	4.05	76	3569699	100.50	ug/l	100
18) Methyl Acetate	4.33	43	1057092	93.17	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3131213	98.48	ug/l	99
20) Methylene Chloride	4.55	84	1274346	97.41	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	1184366	96.77	ug/l	98
22) Diisopropyl ether	5.96	45	4383391	100.52	ug/l	94
23) Vinyl Acetate	5.90	43	15014411	505.24	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2369900	95.36	ug/l	99
25) 2-Butanone	6.84	43	2544919	477.17	ug/l	99
26) 2,2-Dichloropropane	6.83	77	1781366	90.57	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	1341015	97.91	ug/l	98
28) Bromochloromethane	7.20	49	1186183	109.52	ug/l	99
29) Tetrahydrofuran	7.22	42	1695148	495.59	ug/l	99
30) Chloroform	7.37	83	2267018	93.83	ug/l	99
31) Cyclohexane	7.65	56	2237560	97.67	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	1947335	94.37	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1797691	99.14	ug/l	99
37) Ethyl Acetate	6.93	43	1150537	98.92	ug/l	99
38) Carbon Tetrachloride	7.78	117	1705160	95.78	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	1941045	102.43	ug/l	99
40) Benzene	8.04	78	5353642	98.54	ug/l	99
41) Methacrylonitrile	7.18	41	657717	102.76	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1692152	95.69	ug/l	98
43) Isopropyl Acetate	8.17	43	2141653	96.53	ug/l	98
44) Trichloroethene	8.84	130	1276142	95.92	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1455167	97.80	ug/l	99
46) Dibromomethane	9.21	93	792850	95.65	ug/l	97
47) Bromodichloromethane	9.40	83	1785430	97.07	ug/l	97
48) Methyl methacrylate	9.20	41	1056780	99.81	ug/l	91
49) 1,4-Dioxane	9.20	88	239913	2018.13	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	5912653	504.49	ug/l	98
52) Toluene	10.16	92	3229848	99.16	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	1886019	102.84	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	2160630	101.44	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	1145210	98.65	ug/l	98
56) Ethyl methacrylate	10.43	69	1609973	106.78	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	2008454	99.35	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	2733616	548.41	ug/l	100
59) 2-Hexanone	10.75	43	3816763	505.99	ug/l	97
60) Dibromochloromethane	10.90	129	1301090	100.41	ug/l	100
61) 1,2-Dibromoethane	11.01	107	1073921	98.86	ug/l	100
64) Tetrachloroethene	10.63	164	1240430	92.38	ug/l	98
65) Chlorobenzene	11.44	112	3447773	96.50	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	1261383	94.58	ug/l	100
67) Ethyl Benzene	11.51	91	6383765	100.43	ug/l	100
68) m/p-Xylenes	11.63	106	4763064	201.60	ug/l	100
69) o-Xylene	11.95	106	2316524	102.01	ug/l	99
70) Styrene	11.97	104	3806769	104.31	ug/l	99
71) Bromoform	12.13	173	869128	99.65	ug/l #	99
73) Isopropylbenzene	12.25	105	6176976	92.91	ug/l	99
74) N-amyl acetate	12.07	43	1932107	97.83	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	1381314	85.11	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	1791224	129.74	ug/l #	100
77) Bromobenzene	12.53	156	1444473	92.50	ug/l	99
78) n-propylbenzene	12.59	91	7359673	96.91	ug/l	99
79) 2-Chlorotoluene	12.68	91	4325777	93.84	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	5044178	94.96	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	397307	91.77	ug/l	92
82) 4-Chlorotoluene	12.78	91	4349791	95.80	ug/l	100
83) tert-Butylbenzene	12.99	119	4253947	95.06	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	5140678	95.83	ug/l	99
85) sec-Butylbenzene	13.17	105	5881773	96.48	ug/l	99
86) p-Isopropyltoluene	13.29	119	4988993	98.43	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	2572524	95.67	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	2490602	95.61	ug/l	99
89) n-Butylbenzene	13.62	91	4320970	105.41	ug/l	99
90) Hexachloroethane	13.88	117	974257	89.85	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	2429964	94.05	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	209207	89.27	ug/l	98

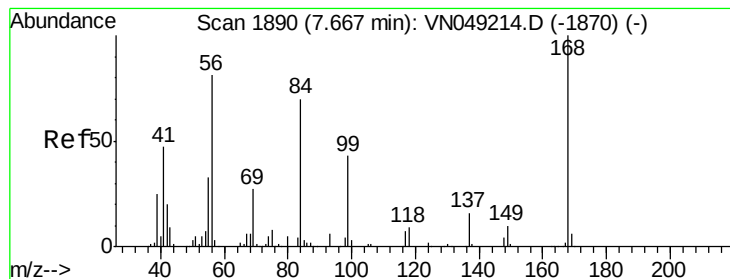
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1141301	111.59	ug/l	99
94) Hexachlorobutadiene	15.01	225	678437	86.99	ug/l	98
95) Naphthalene	15.14	128	2497253	111.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1124810	107.96	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: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

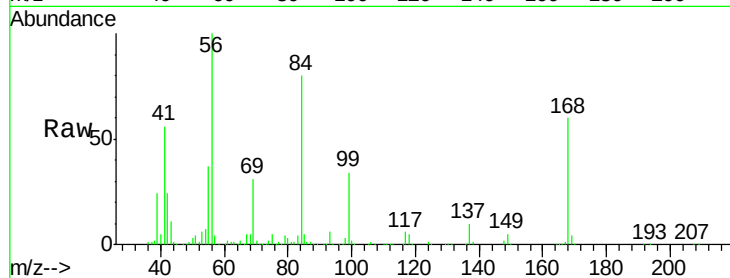
VSTDICC100

Tgt Ion:168 Resp: 933814

Ion Ratio Lower Upper

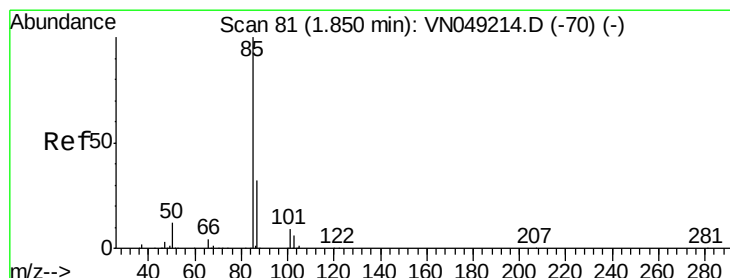
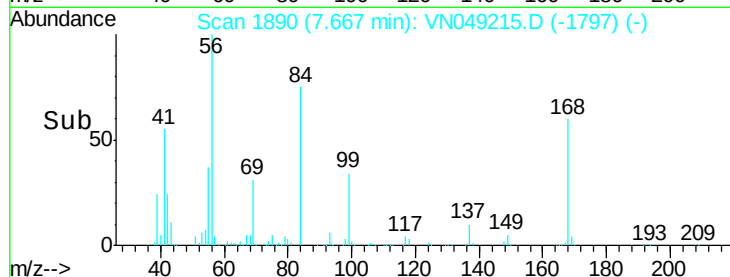
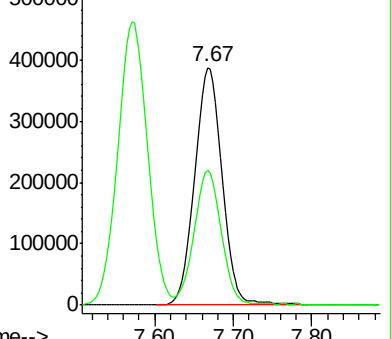
168 100

99 56.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 72.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049215.D

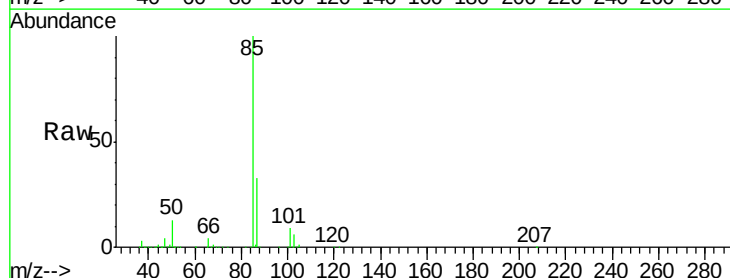
Acq: 13 Jun 2018 21:52

Tgt Ion: 85 Resp: 993405

Ion Ratio Lower Upper

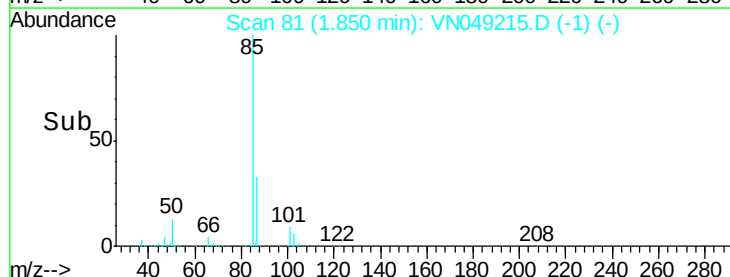
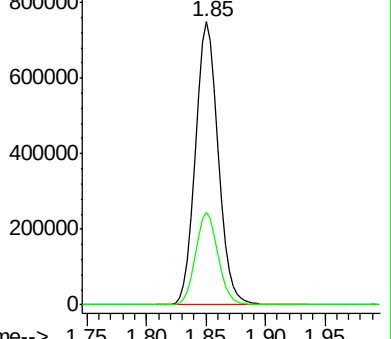
85 100

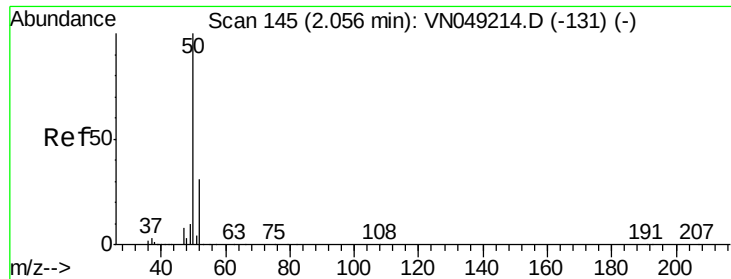
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 80.14 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

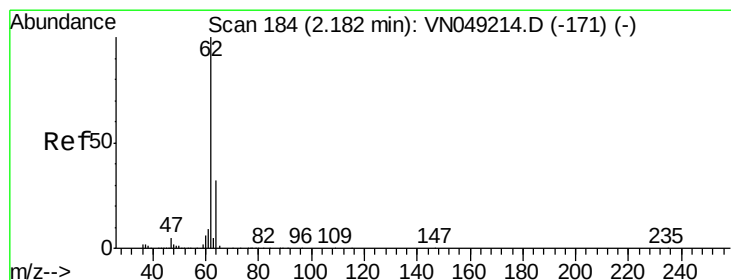
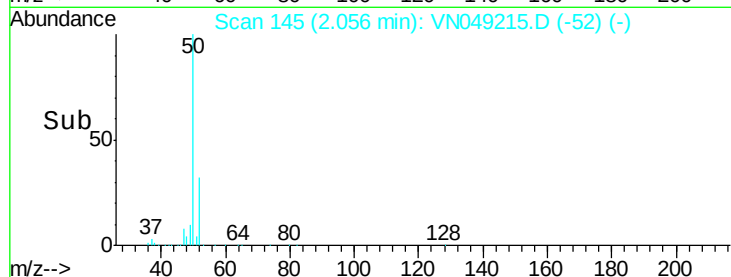
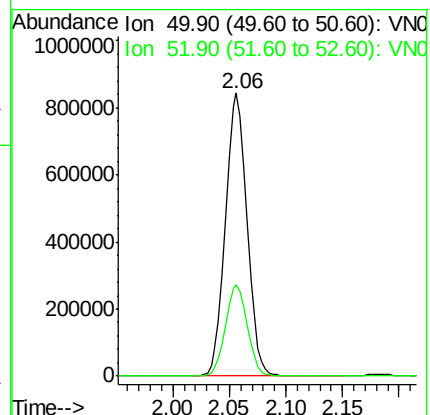
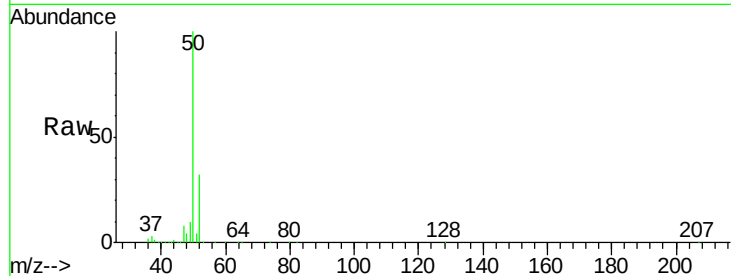
VSTDIC100

Tgt Ion: 50 Resp: 1127425

Ion Ratio Lower Upper

50 100

52 32.4 25.2 37.8



#4

Vinyl Chloride

Concen: 85.18 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN049215.D

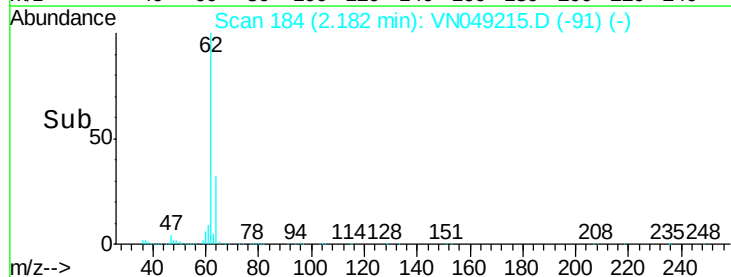
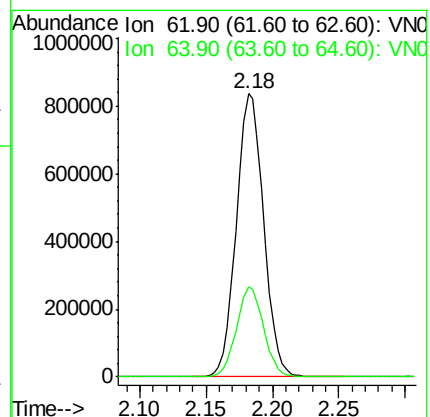
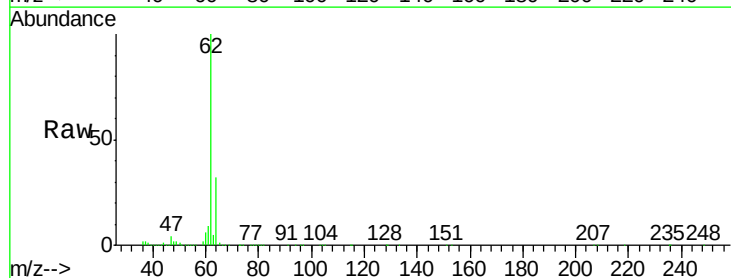
Acq: 13 Jun 2018 21:52

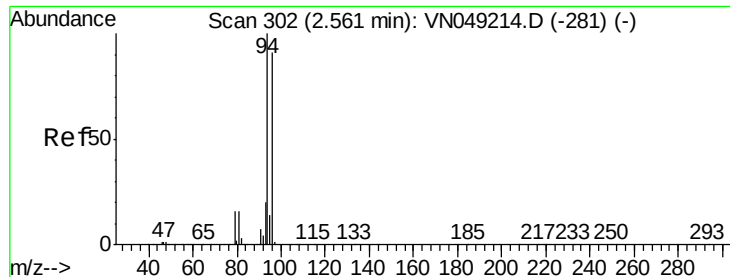
Tgt Ion: 62 Resp: 1196704

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 89.36 ug/l

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

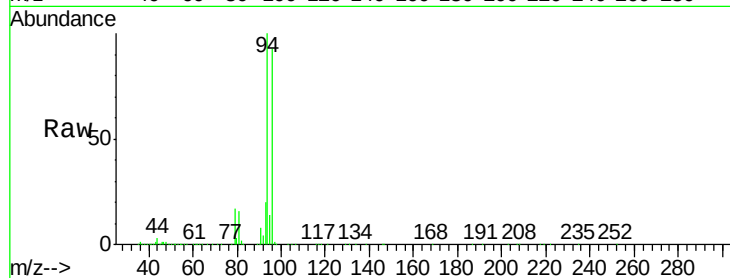
VSTDIC100

Tgt Ion: 94 Resp: 689004

Ion Ratio Lower Upper

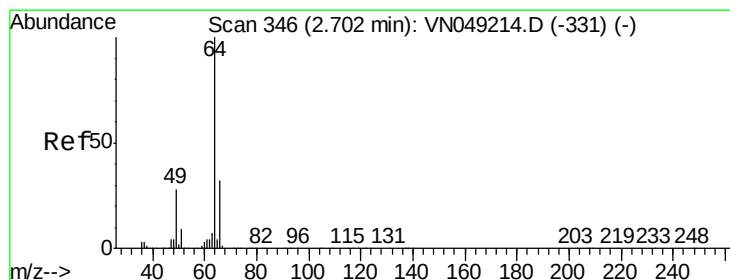
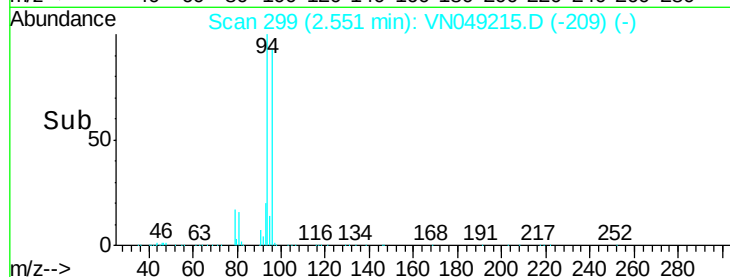
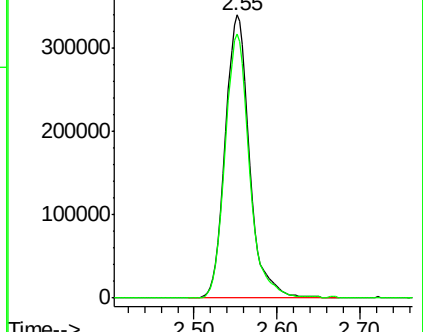
94 100

96 93.4 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049215.D (-299) (-)

Ion 95.90 (95.60 to 96.60): VN049215.D (-299) (-)



#6

Chloroethane

Concen: 86.29 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.01 min

Lab File: VN049215.D

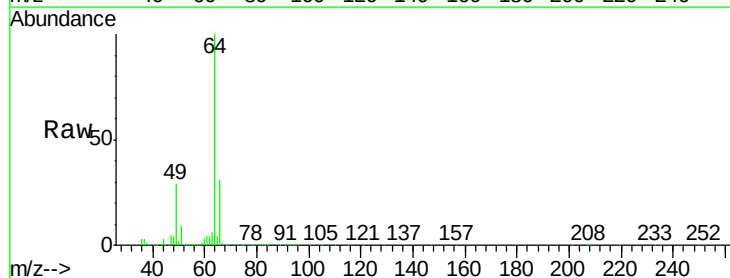
Acq: 13 Jun 2018 21:52

Tgt Ion: 64 Resp: 778636

Ion Ratio Lower Upper

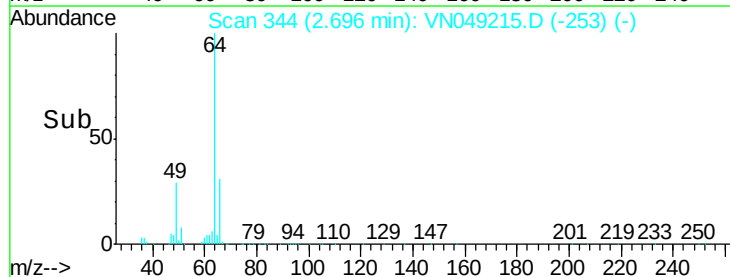
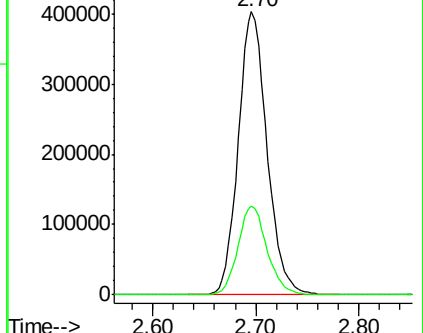
64 100

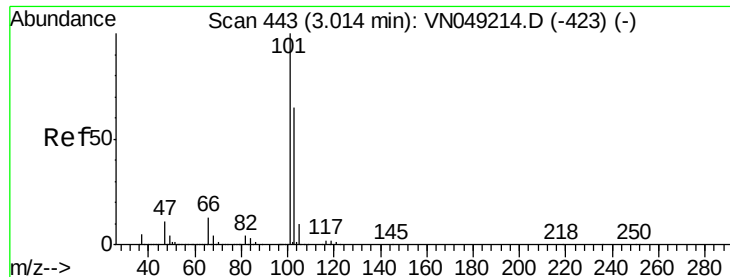
66 31.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049215.D (-344) (-)

Ion 65.90 (65.60 to 66.60): VN049215.D (-344) (-)



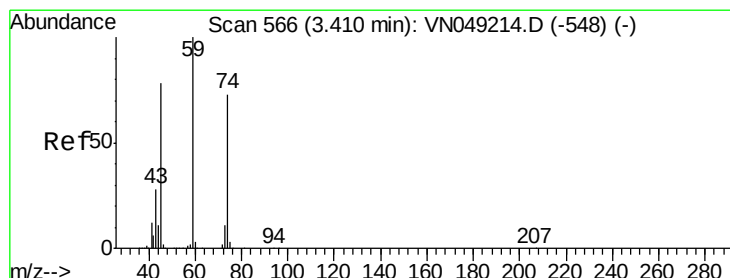
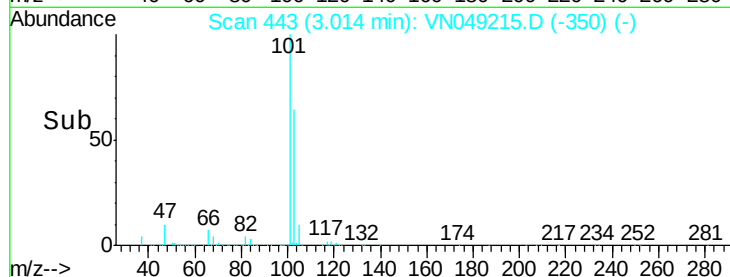
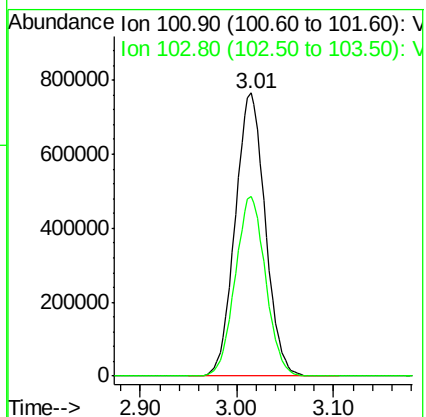
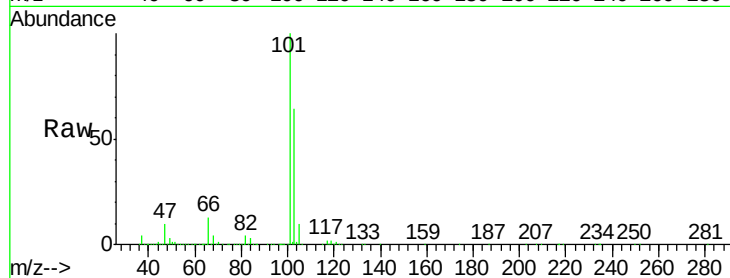


#7

Trichlorofluoromethane
Concen: 85.97 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

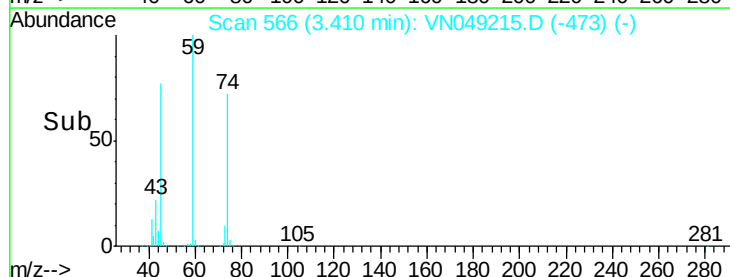
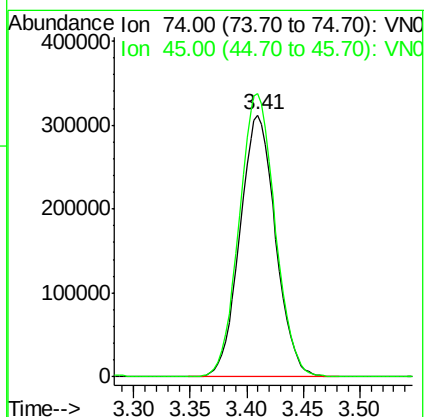
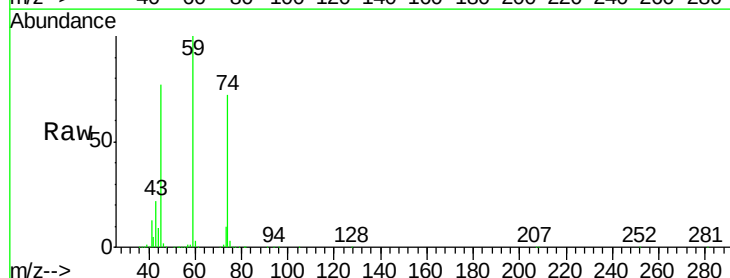
Tgt Ion:101 Resp: 1651418
Ion Ratio Lower Upper
101 100
103 63.6 51.7 77.5

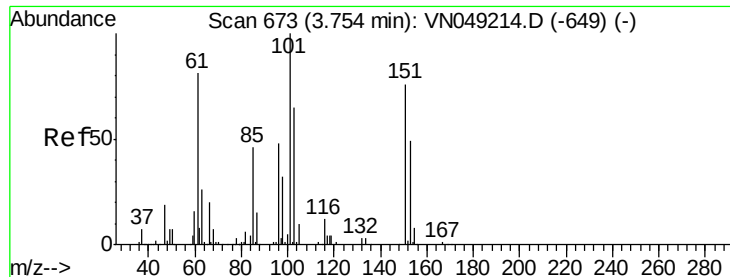


#8

Diethyl Ether
Concen: 102.24 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 74 Resp: 685214
Ion Ratio Lower Upper
74 100
45 108.7 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.99 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

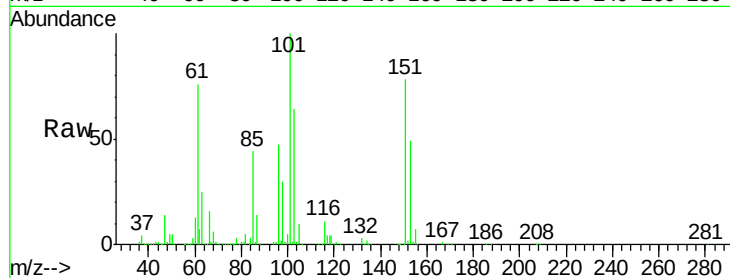
Tgt Ion:101 Resp: 115521

Ion Ratio Lower Upper

101 100

85 43.7 37.6 56.4

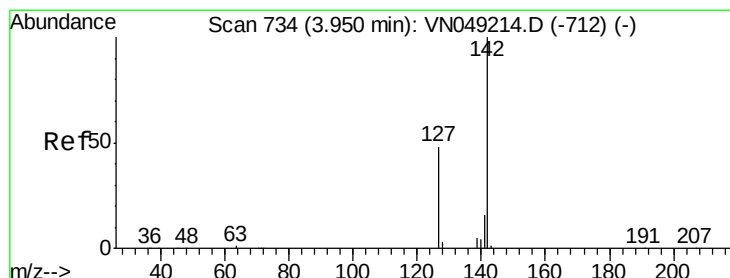
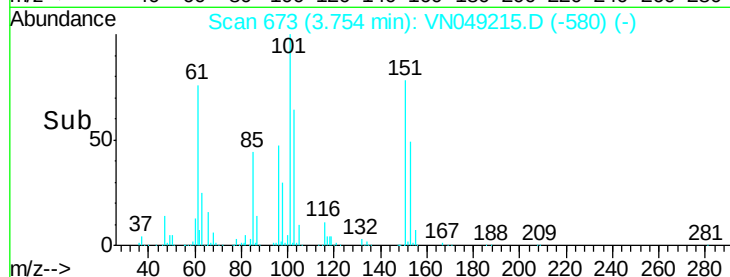
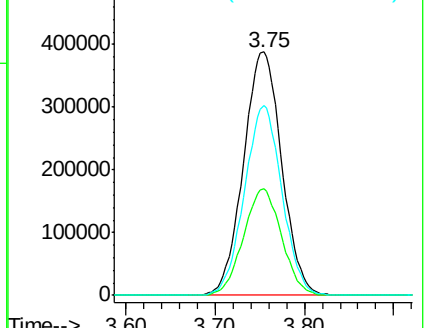
151 76.5 61.1 91.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 122.23 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

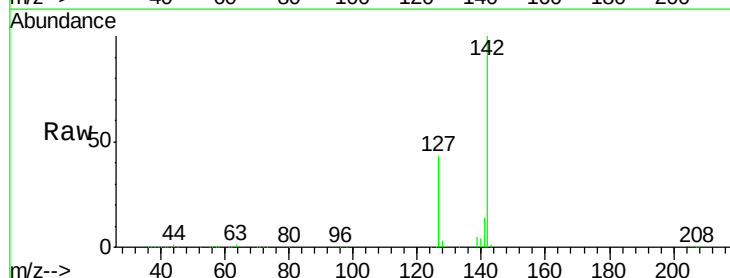
Tgt Ion:142 Resp: 1367641

Ion Ratio Lower Upper

142 100

127 43.4 38.2 57.4

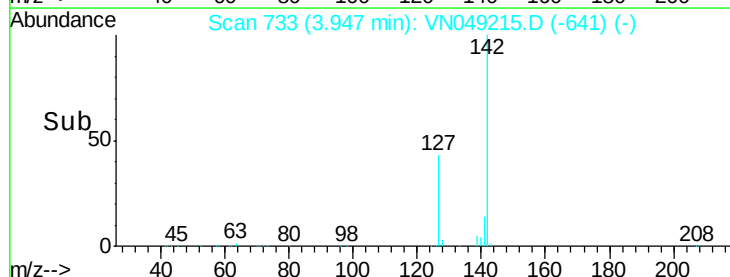
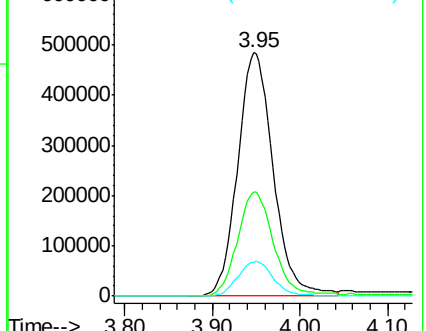
141 14.3 11.9 17.9

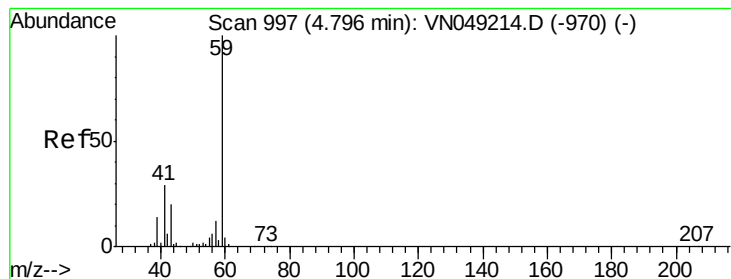


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 485.92 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

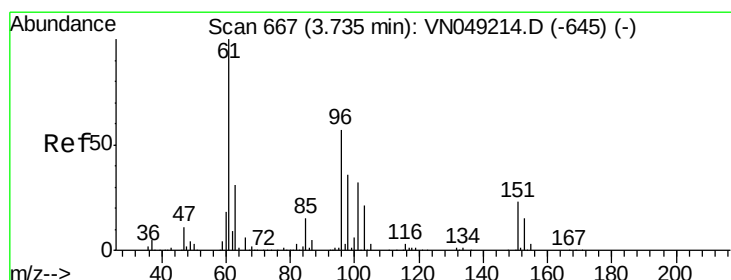
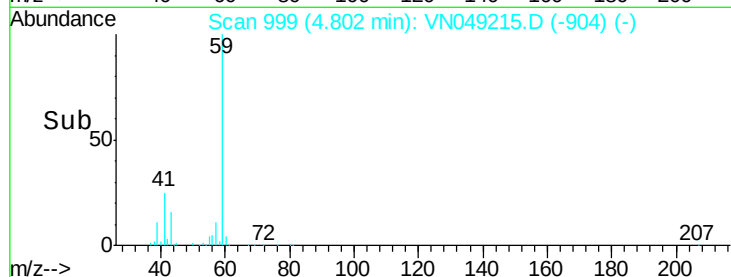
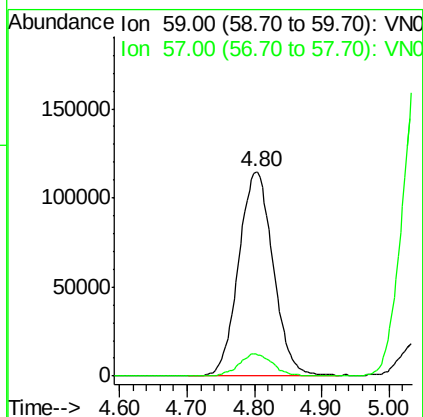
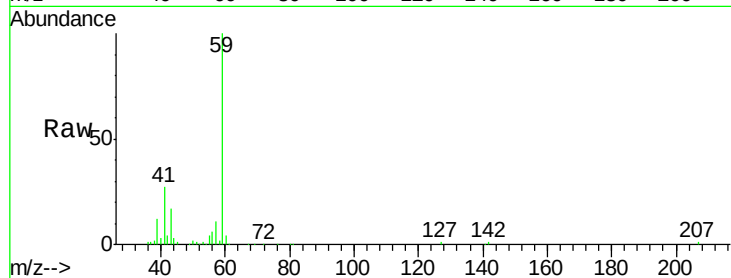
VSTDIC100

Tgt Ion: 59 Resp: 409368

Ion Ratio Lower Upper

59 100

57 10.6 9.0 13.6



#12

1,1-Dichloroethene

Concen: 101.80 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

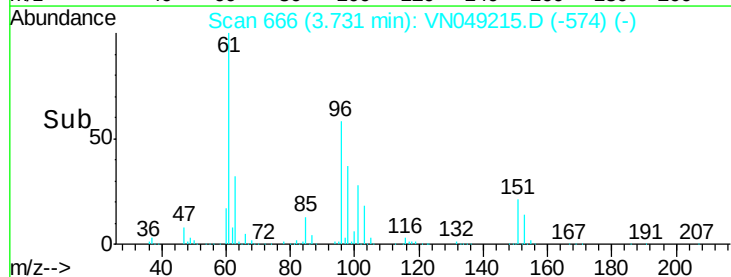
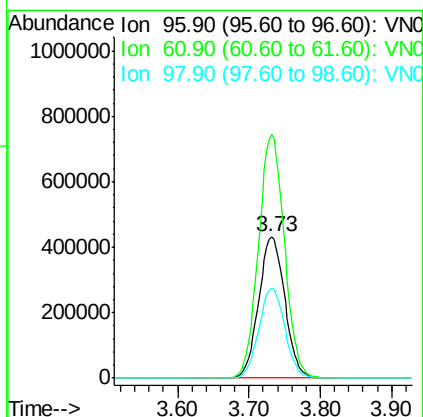
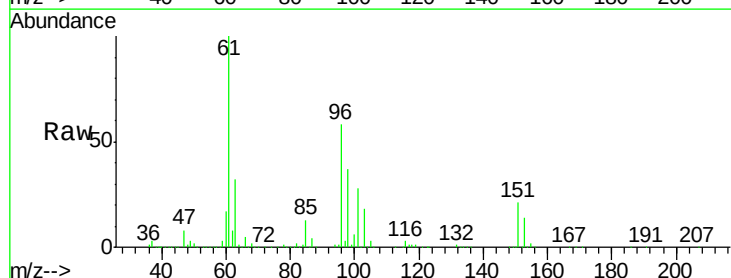
Tgt Ion: 96 Resp: 1093049

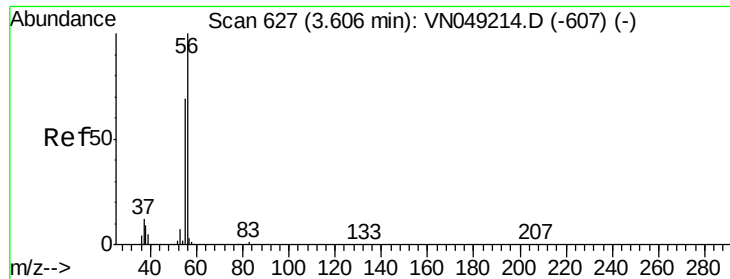
Ion Ratio Lower Upper

96 100

61 171.6 141.0 211.4

98 63.5 50.4 75.6





#13

Acrolein

Concen: 787.55 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

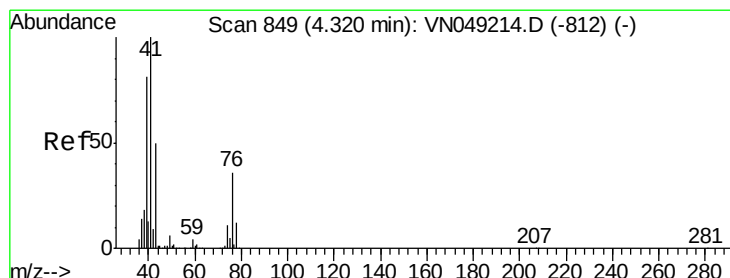
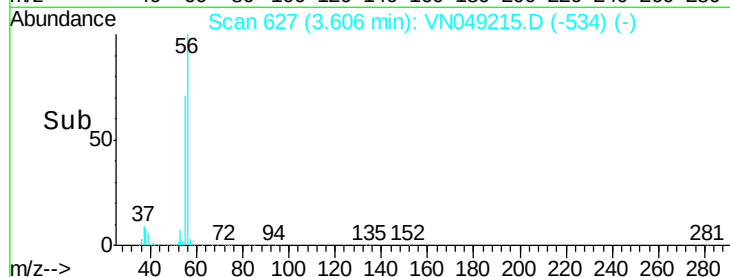
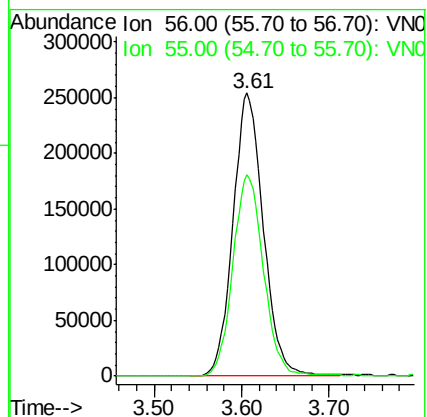
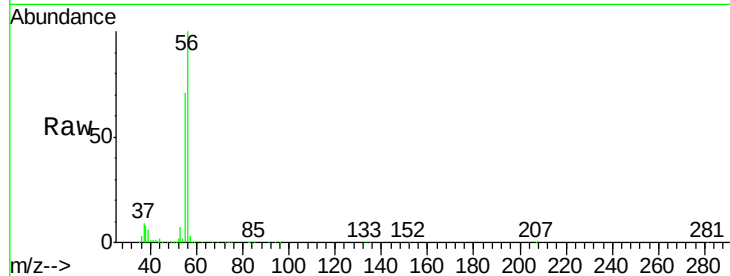
VSTDIC100

Tgt Ion: 56 Resp: 611609

Ion Ratio Lower Upper

56 100

55 71.5 57.1 85.7



#14

Allyl chloride

Concen: 105.64 ug/l

RT: 4.32 min Scan# 849

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

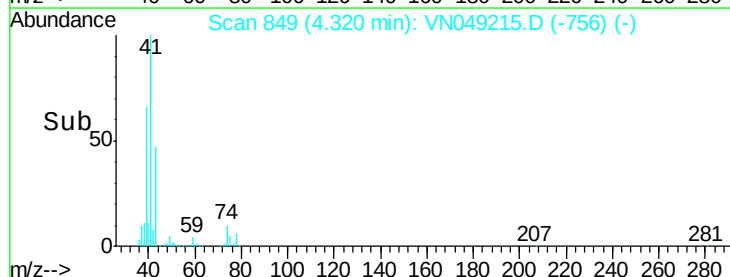
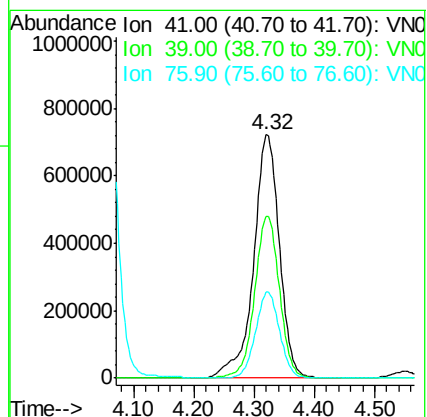
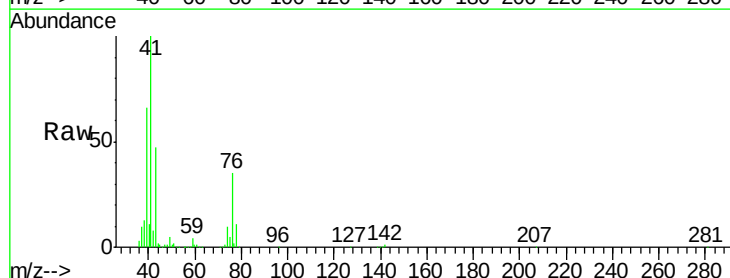
Tgt Ion: 41 Resp: 2166827

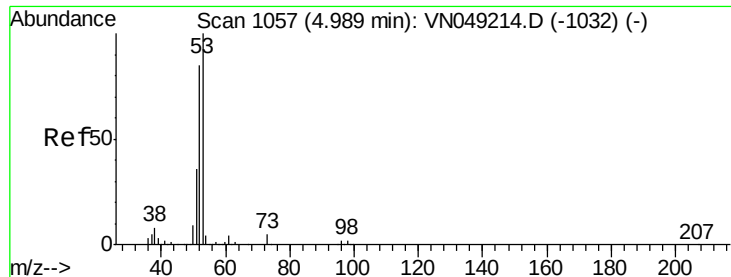
Ion Ratio Lower Upper

41 100

39 63.8 62.5 93.7

76 32.6 27.1 40.7





#15

Acrylonitrile

Concen: 491.23 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

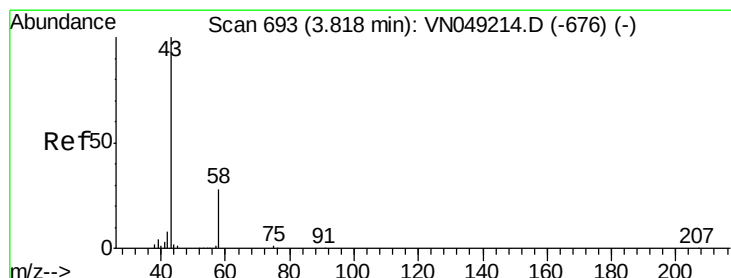
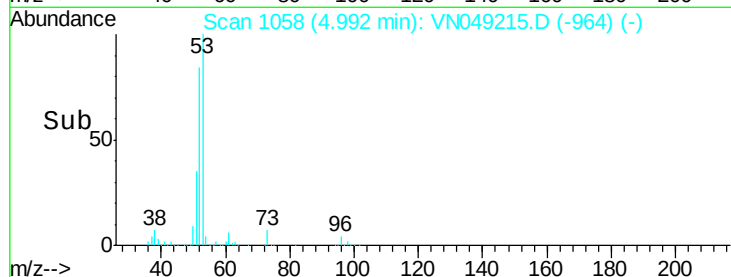
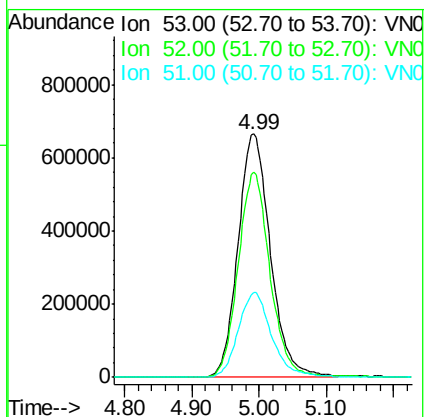
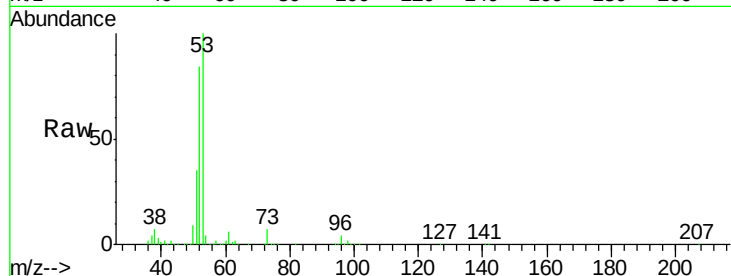
Tgt Ion: 53 Resp: 2226118

Ion Ratio Lower Upper

53 100

52 82.9 66.6 100.0

51 35.9 29.8 44.8



#16

Acetone

Concen: 457.85 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049215.D

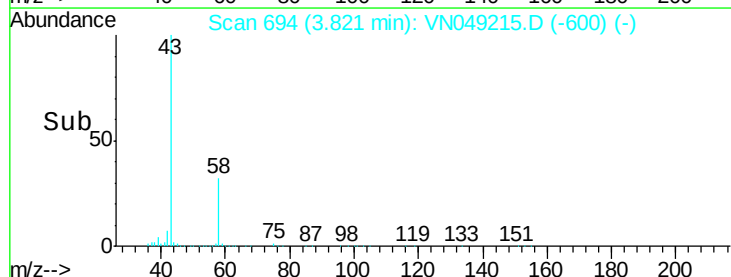
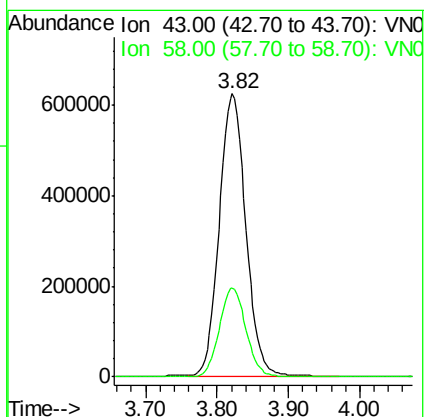
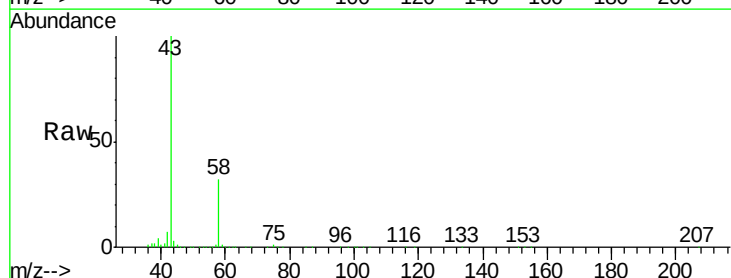
Acq: 13 Jun 2018 21:52

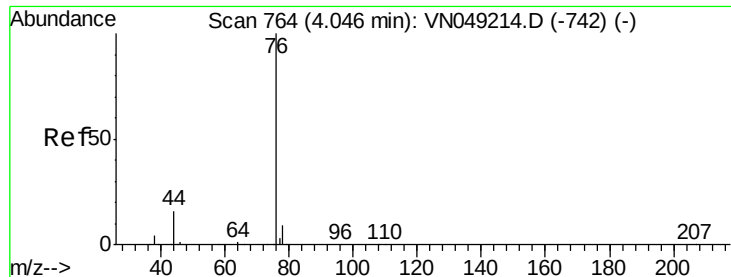
Tgt Ion: 43 Resp: 1609890

Ion Ratio Lower Upper

43 100

58 31.6 22.4 33.6

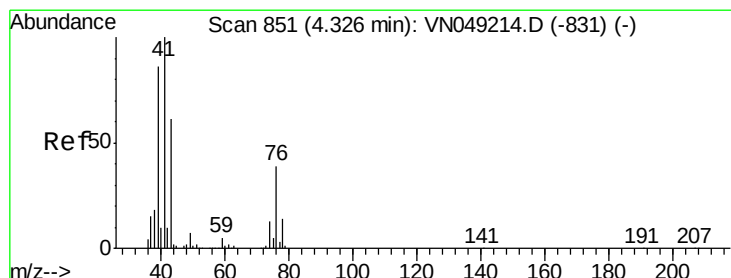
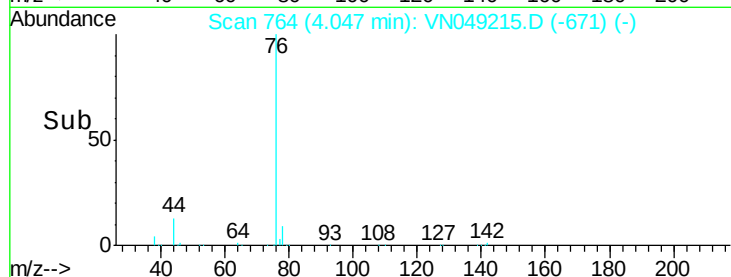
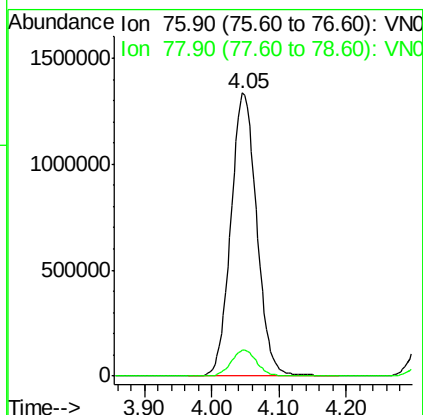
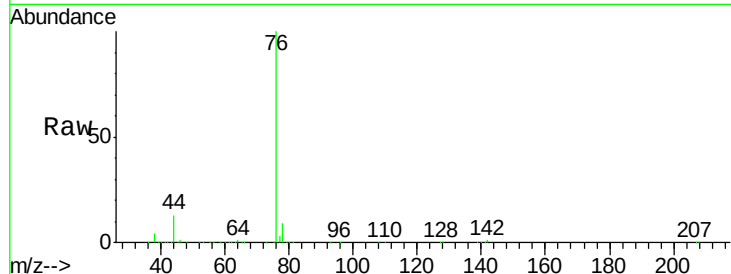




#17
Carbon Disulfide
Concen: 100.50 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

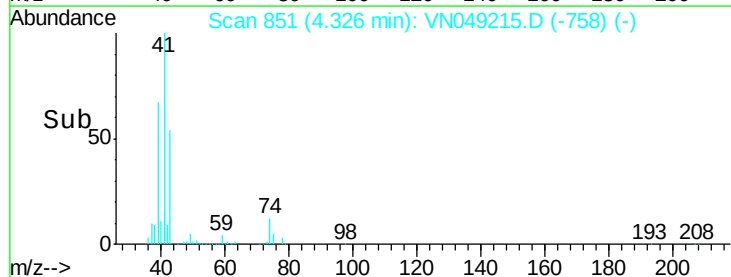
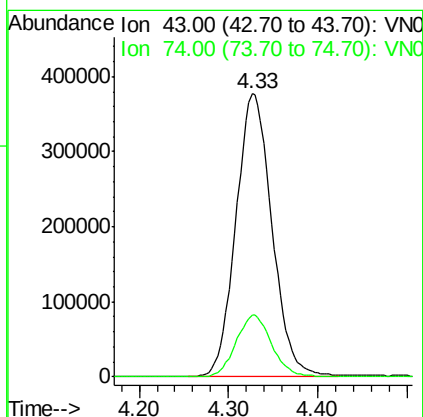
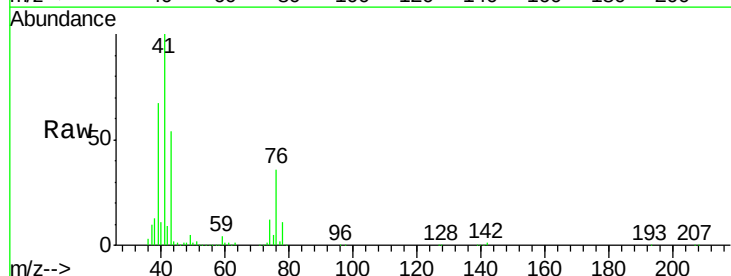
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

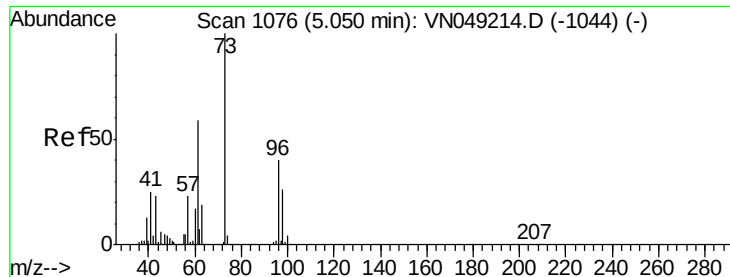
Tgt Ion: 76 Resp: 3569699
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#18
Methyl Acetate
Concen: 93.17 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 43 Resp: 1057092
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 98.48 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

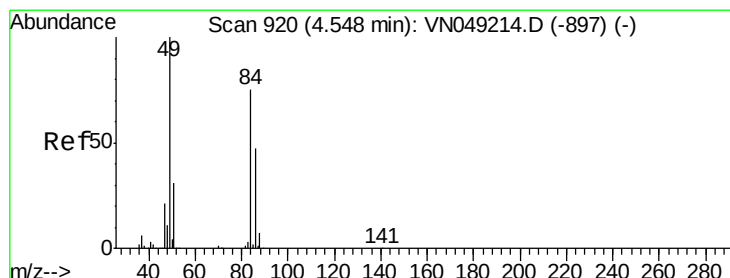
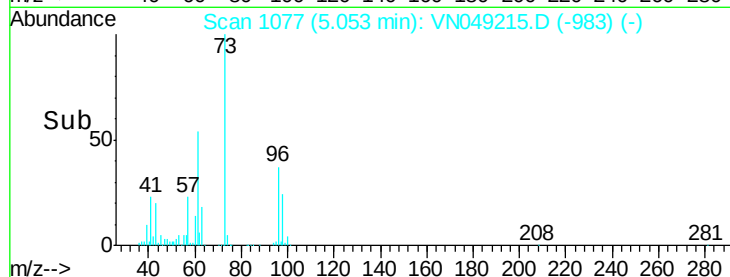
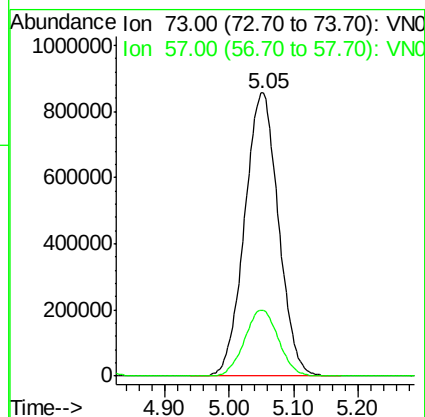
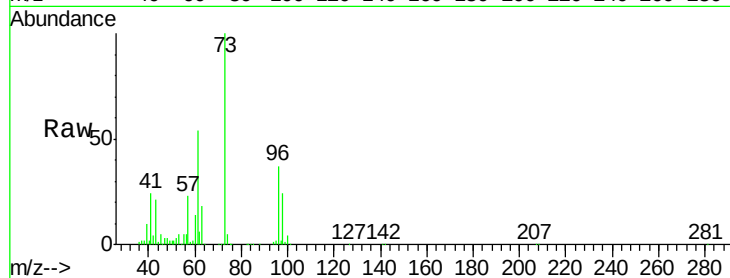
VSTDIC100

Tgt Ion: 73 Resp: 3131213

Ion Ratio Lower Upper

73 100

57 23.2 18.2 27.4



#20

Methylene Chloride

Concen: 97.41 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Tgt Ion: 84 Resp: 1274346

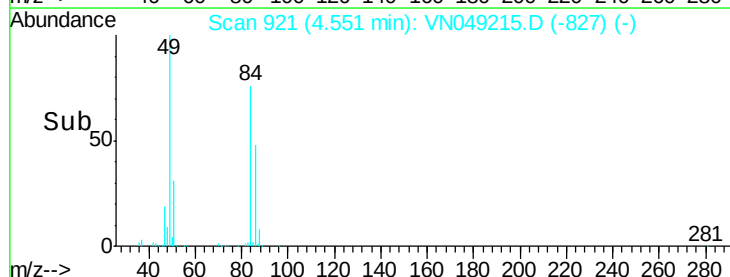
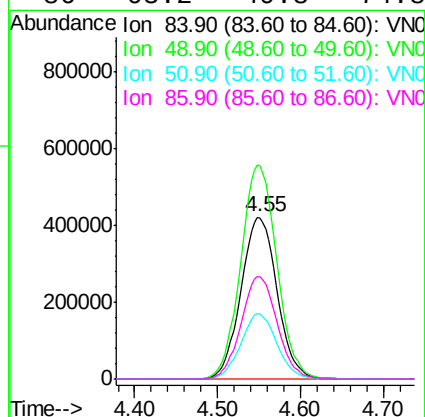
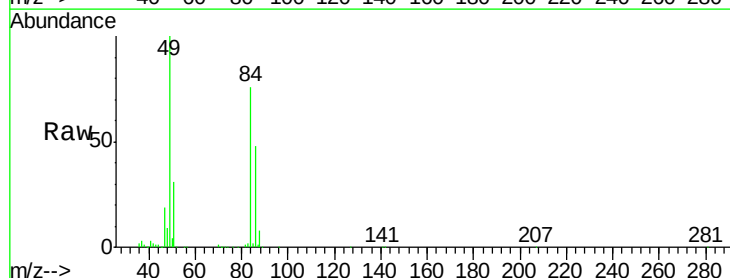
Ion Ratio Lower Upper

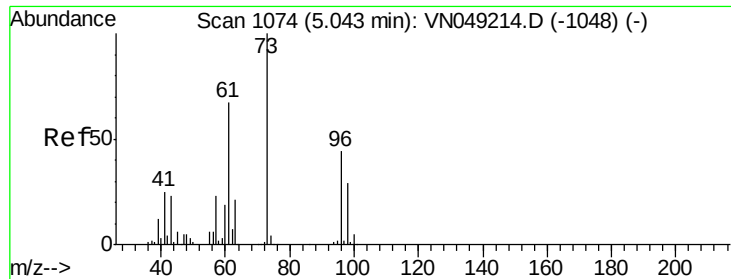
84 100

49 132.3 106.9 160.3

51 40.6 32.7 49.1

86 63.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 96.77 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

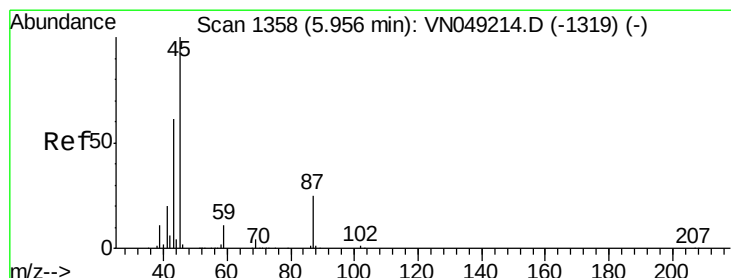
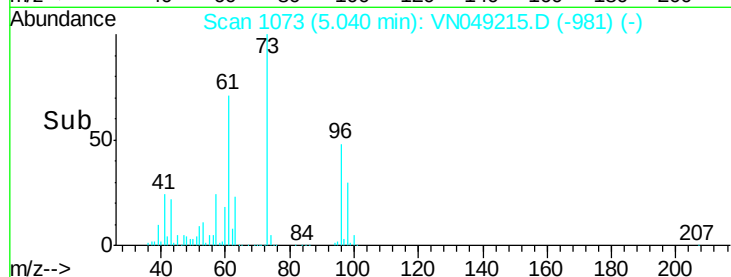
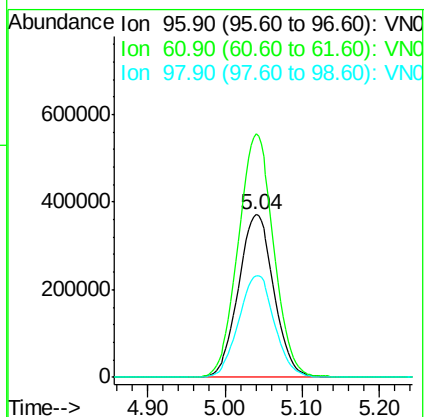
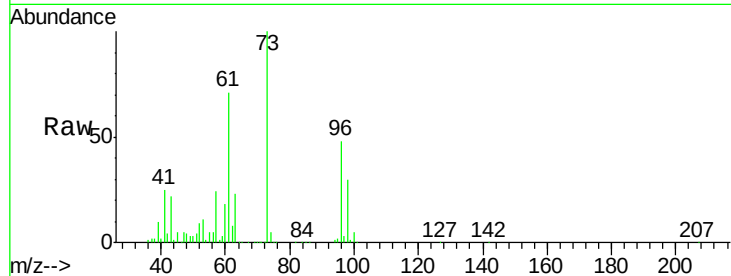
Tgt Ion: 96 Resp: 1184366

Ion Ratio Lower Upper

96 100

61 149.5 121.3 181.9

98 62.6 52.0 78.0



#22

Diisopropyl ether

Concen: 100.52 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Tgt Ion: 45 Resp: 4383391

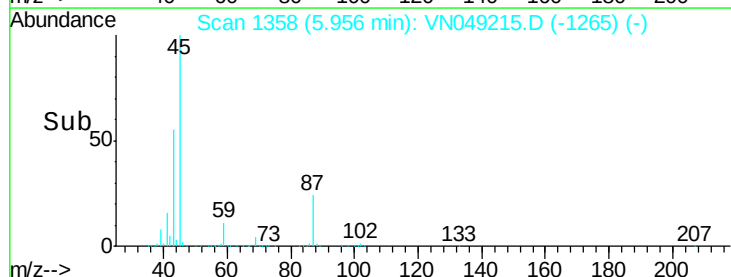
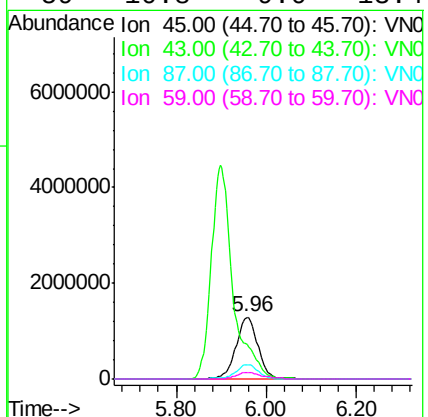
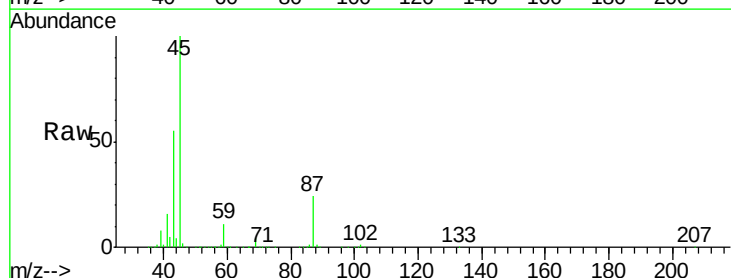
Ion Ratio Lower Upper

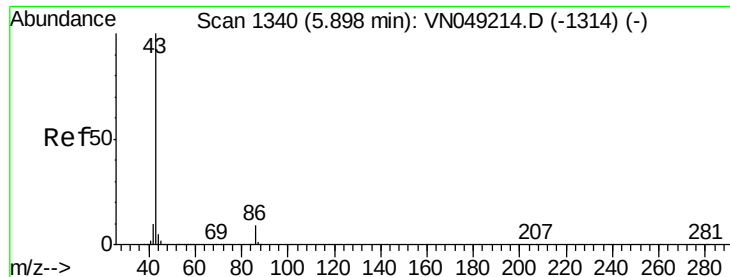
45 100

43 54.7 48.6 72.8

87 23.5 20.2 30.2

59 10.8 9.0 13.4





#23

Vinyl Acetate

Concen: 505.24 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

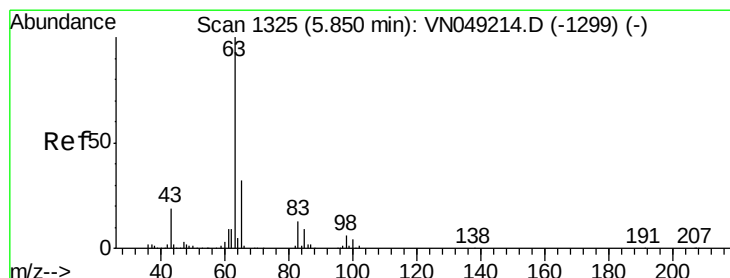
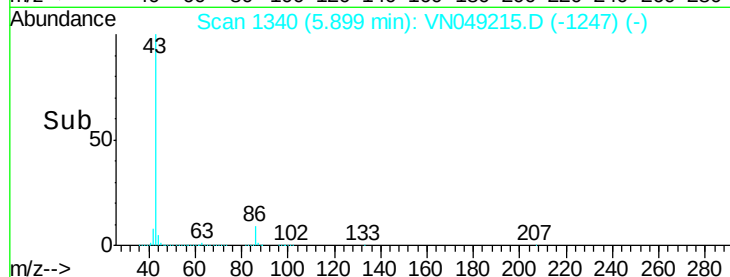
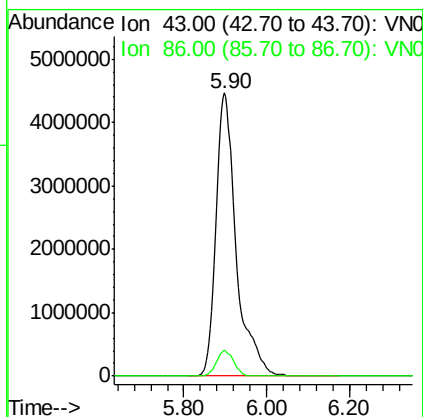
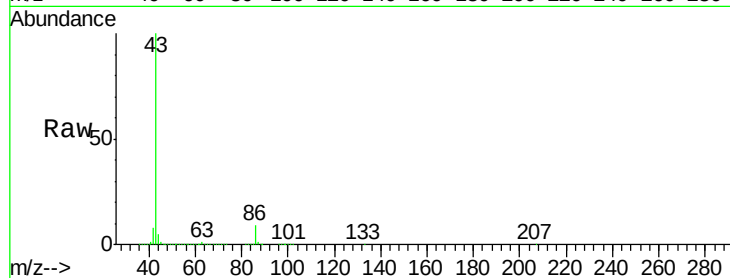
VSTDIC100

Tgt Ion: 43 Resp:15014411

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



#24

1,1-Dichloroethane

Concen: 95.36 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

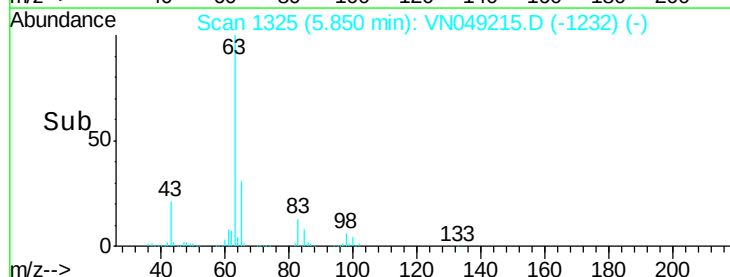
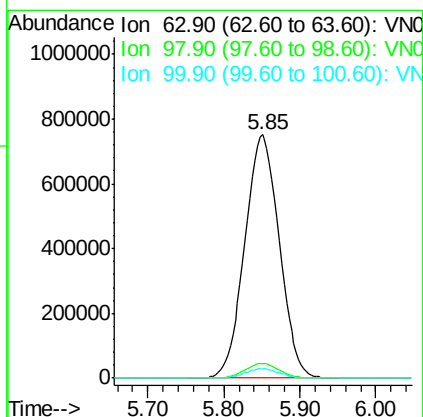
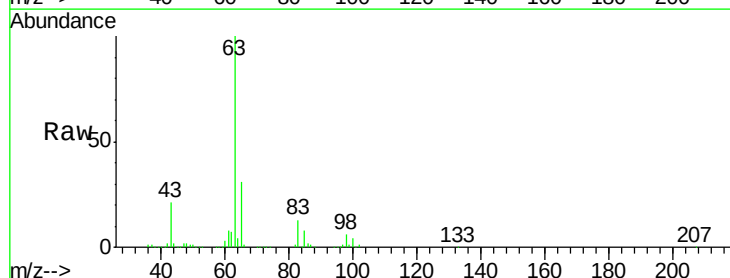
Tgt Ion: 63 Resp: 2369900

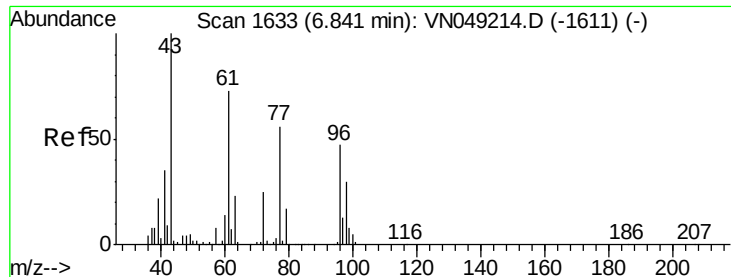
Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.8

100 3.8 2.1 6.3





#25

2-Butanone

Concen: 477.17 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

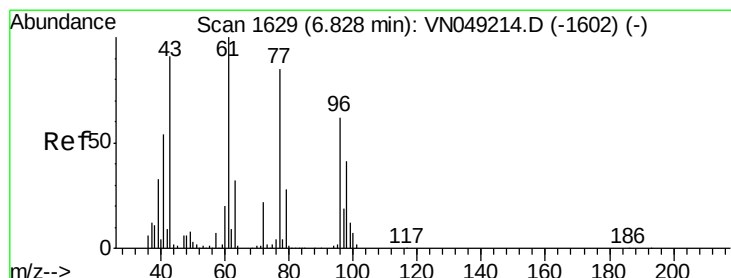
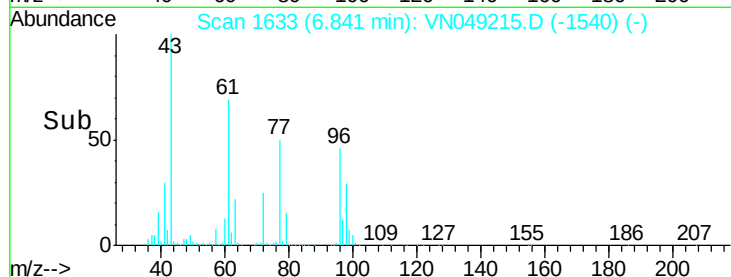
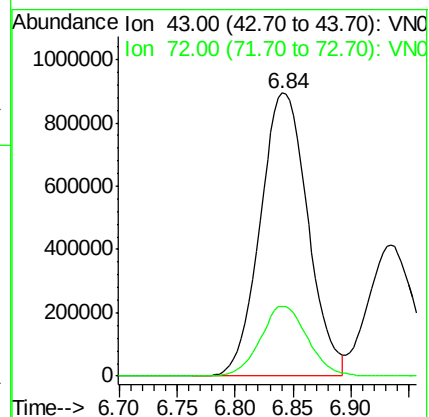
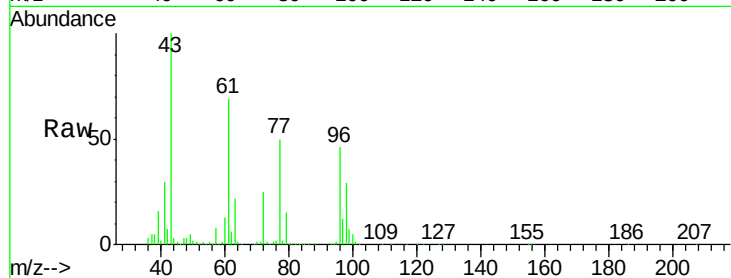
VSTDIC100

Tgt Ion: 43 Resp: 2544919

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 90.57 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049215.D

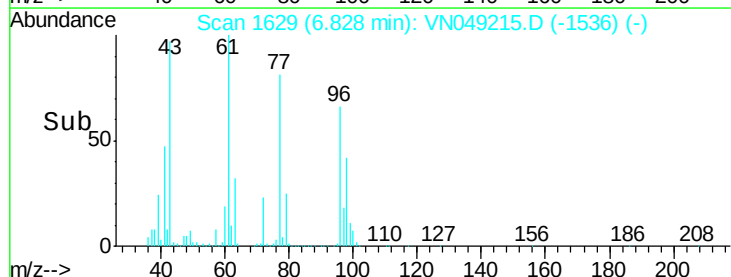
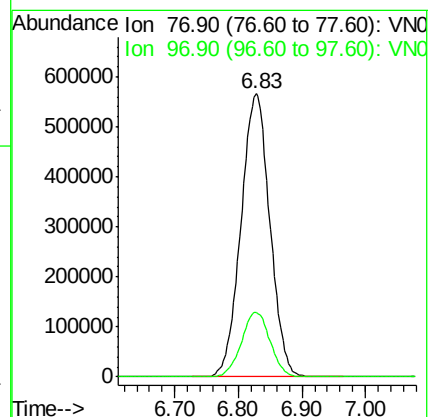
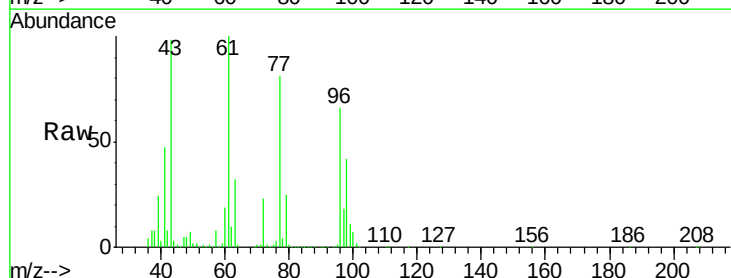
Acq: 13 Jun 2018 21:52

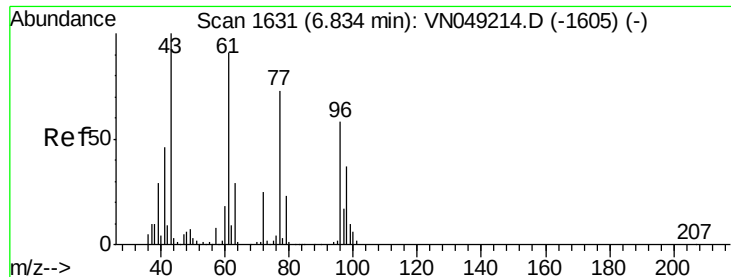
Tgt Ion: 77 Resp: 1781366

Ion Ratio Lower Upper

77 100

97 22.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 97.91 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

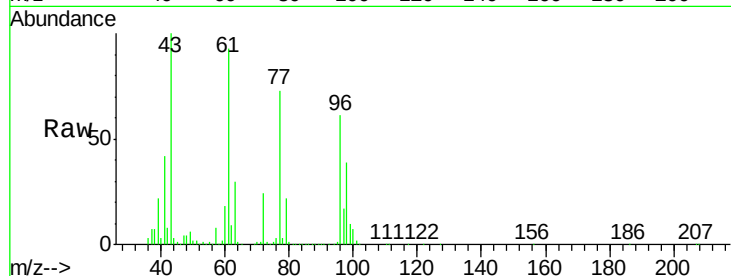
Tgt Ion: 96 Resp: 1341015

Ion Ratio Lower Upper

96 100

61 154.0 0.0 316.4

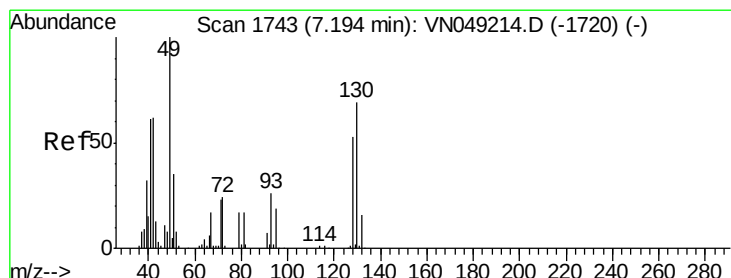
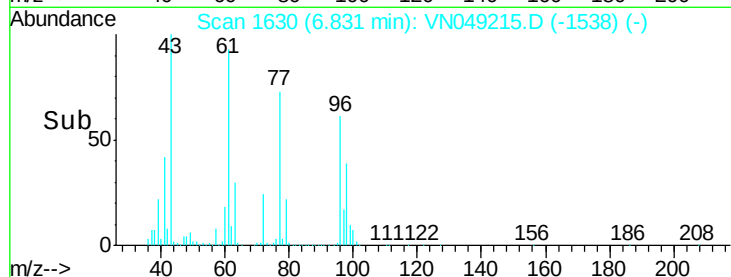
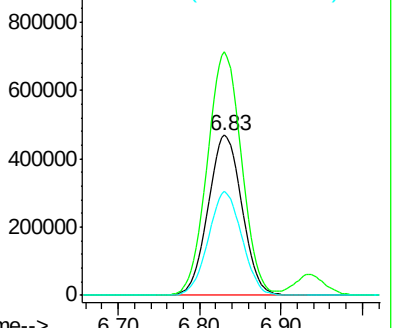
98 64.3 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN049215.D (-1538) (-)

Ion 60.90 (60.60 to 61.60): VN049215.D (-1538) (-)

Ion 97.90 (97.60 to 98.60): VN049215.D (-1538) (-)



#28

Bromochloromethane

Concen: 109.52 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

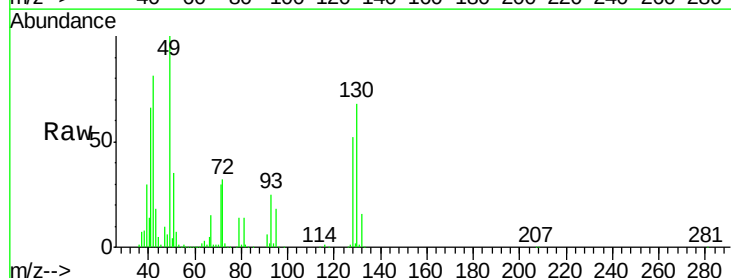
Tgt Ion: 49 Resp: 1186183

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.8

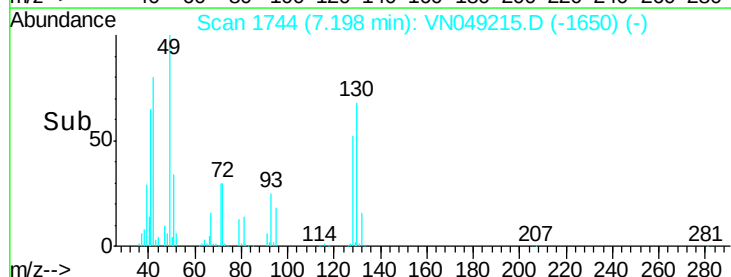
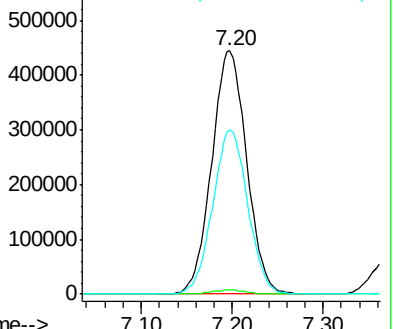
130 67.6 54.9 82.3

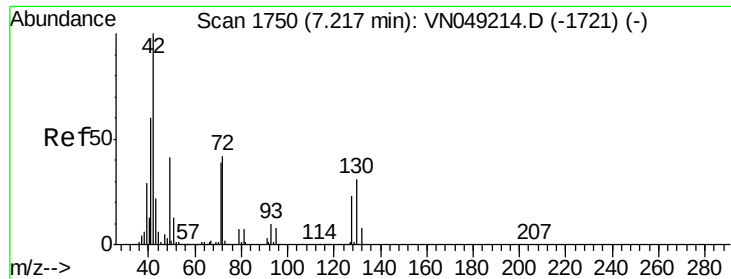


Abundance Ion 48.90 (48.60 to 49.60): VN049215.D (-1650) (-)

Ion 128.80 (128.50 to 129.50): VN049215.D (-1650) (-)

Ion 129.80 (129.50 to 130.50): VN049215.D (-1650) (-)





#29

Tetrahydrofuran

Concen: 495.59 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

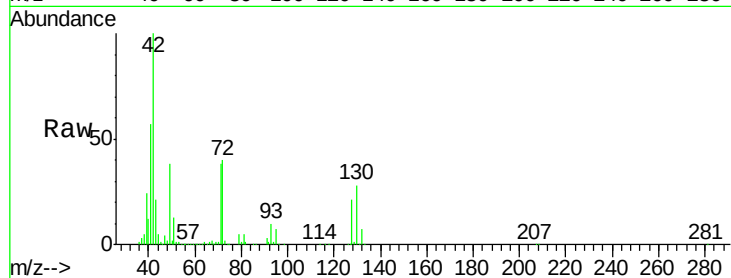
Tgt Ion: 42 Resp: 1695148

Ion Ratio Lower Upper

42 100

72 39.3 32.2 48.4

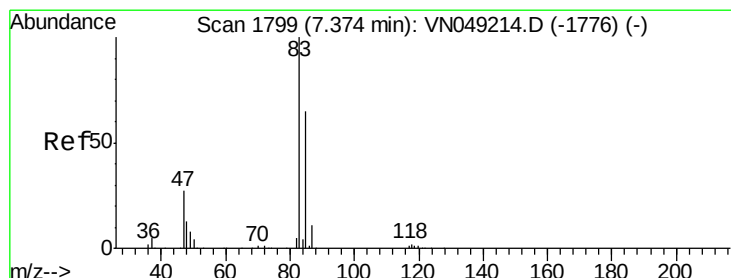
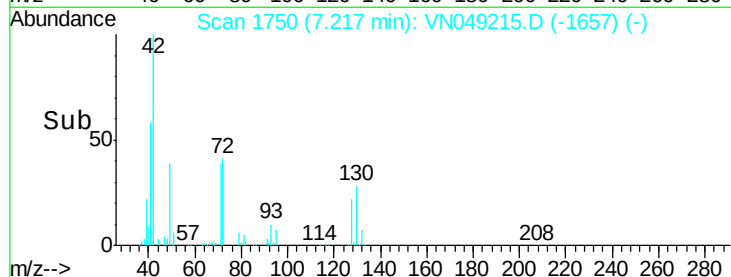
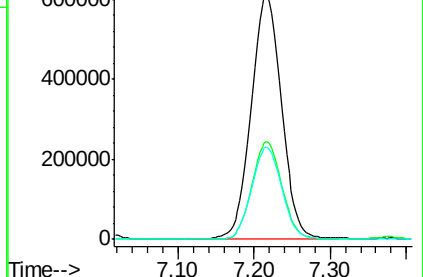
71 37.5 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN049214.D (-1721) (-)

Ion 72.00 (71.70 to 72.70): VN049214.D (-1721) (-)

Ion 71.00 (70.70 to 71.70): VN049214.D (-1721) (-)



#30

Chloroform

Concen: 93.83 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049215.D

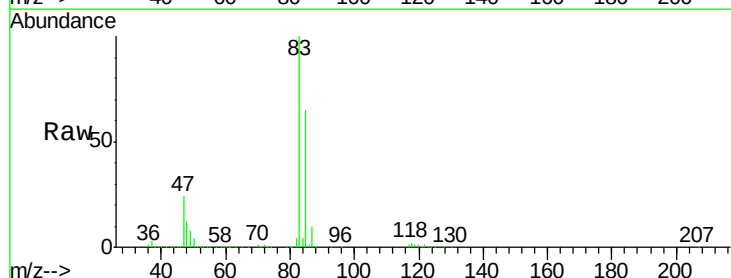
Acq: 13 Jun 2018 21:52

Tgt Ion: 83 Resp: 2267018

Ion Ratio Lower Upper

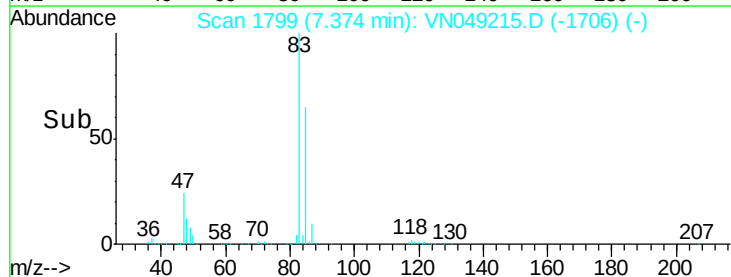
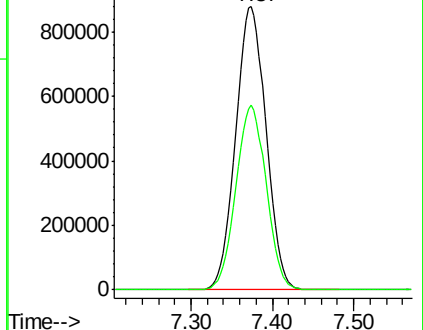
83 100

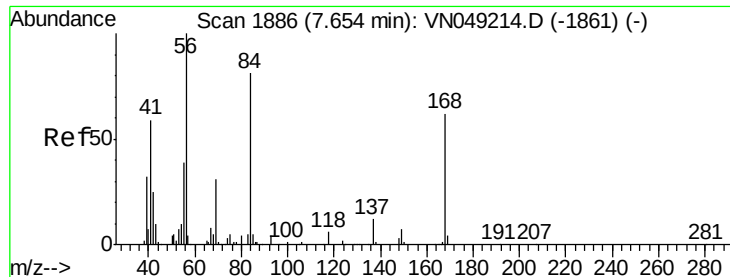
85 65.2 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049214.D (-1776) (-)

Ion 84.90 (84.60 to 85.60): VN049214.D (-1776) (-)

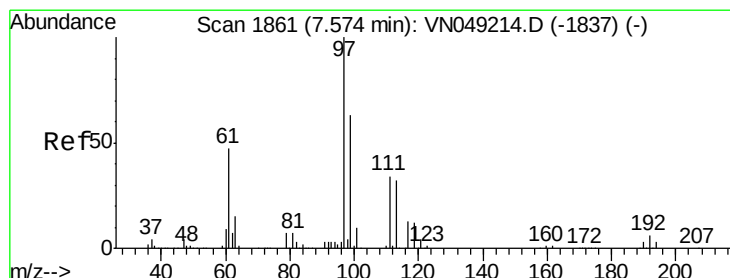
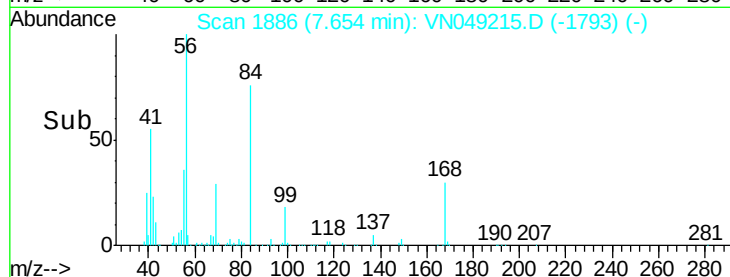
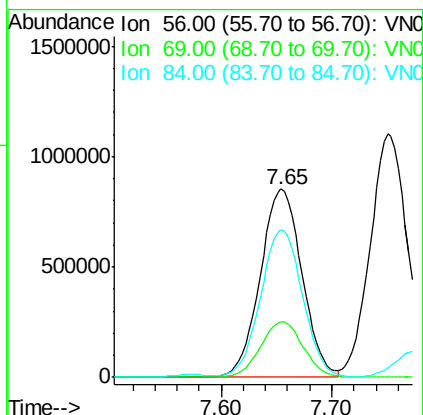
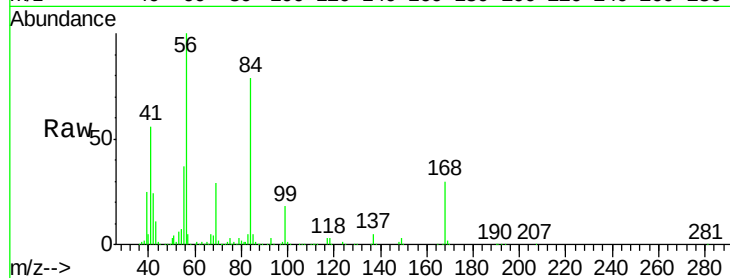




#31
Cyclohexane
Concen: 97.67 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

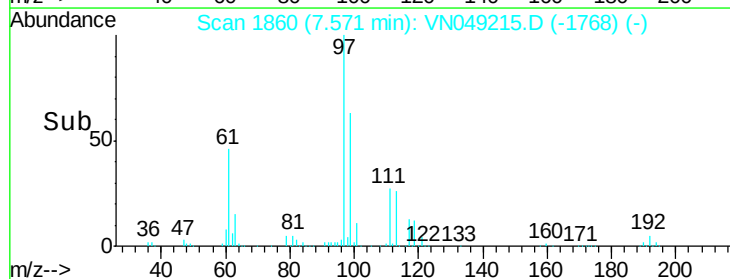
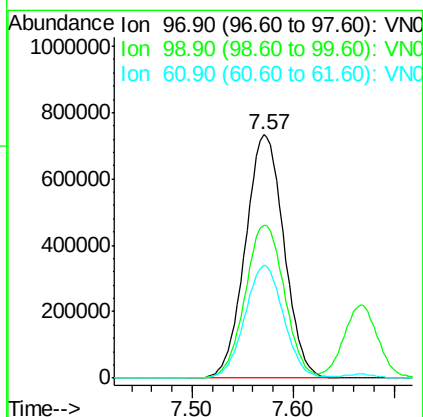
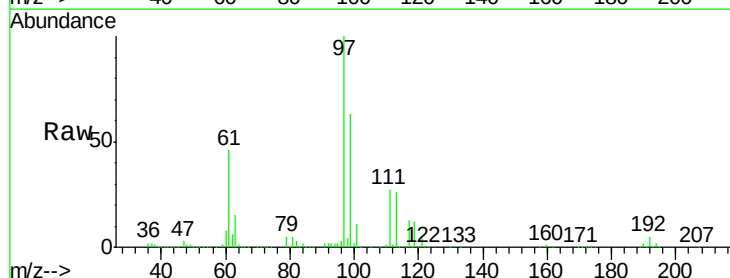
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

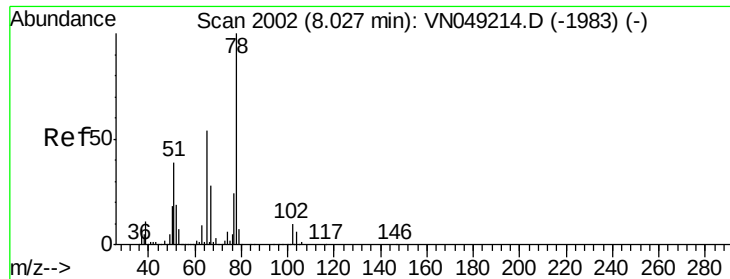
Tgt Ion: 56 Resp: 2237560
Ion Ratio Lower Upper
56 100
69 29.3 25.0 37.4
84 77.3 64.6 96.8



#32
1,1,1-Trichloroethane
Concen: 94.37 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 97 Resp: 1947335
Ion Ratio Lower Upper
97 100
99 63.9 50.5 75.7
61 46.3 37.9 56.9

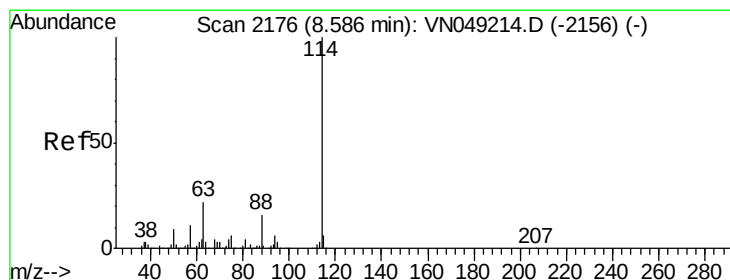
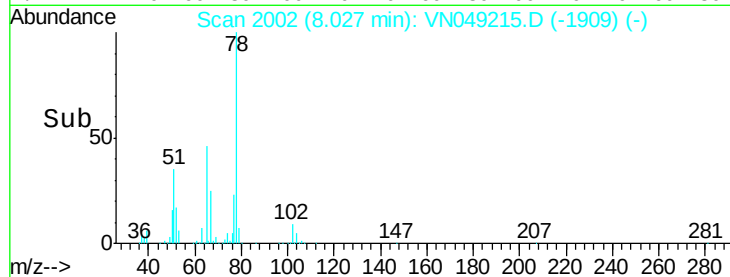
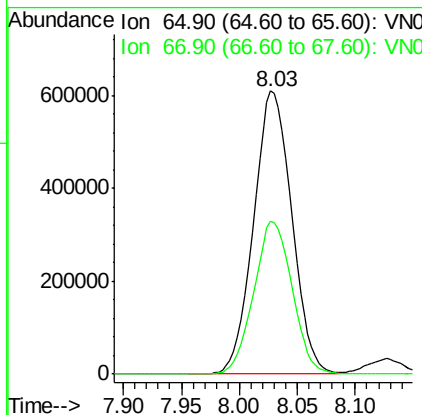
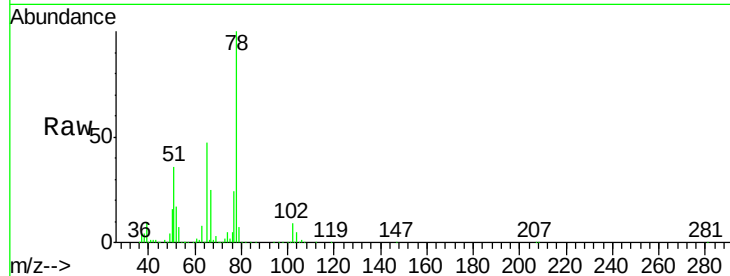




#33
 1,2-Dichloroethane-d4
 Concen: 93.46 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

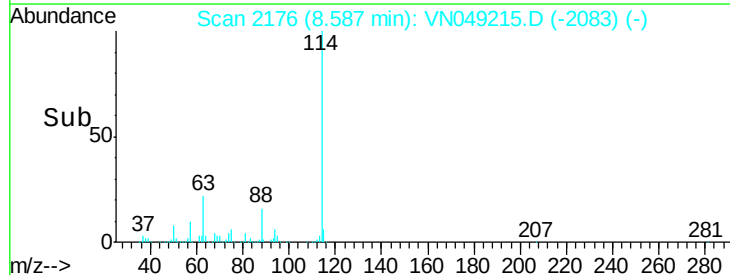
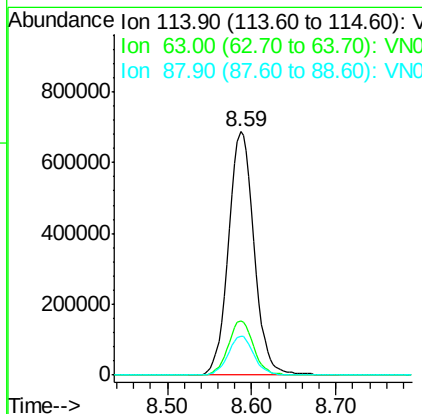
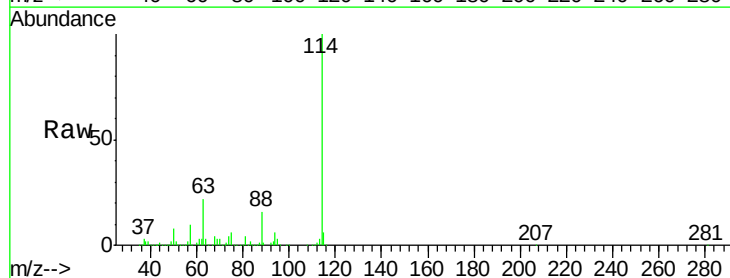
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

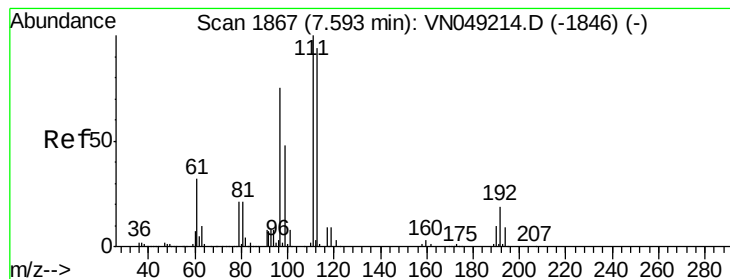
Tgt Ion: 65 Resp: 1399872
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion: 114 Resp: 1449551
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.4
 88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 96.18 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

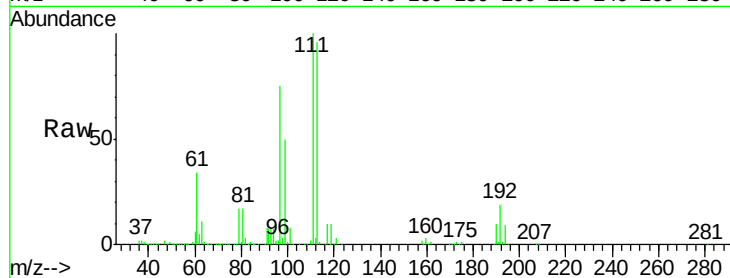
Tgt Ion:113 Resp: 1150734

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

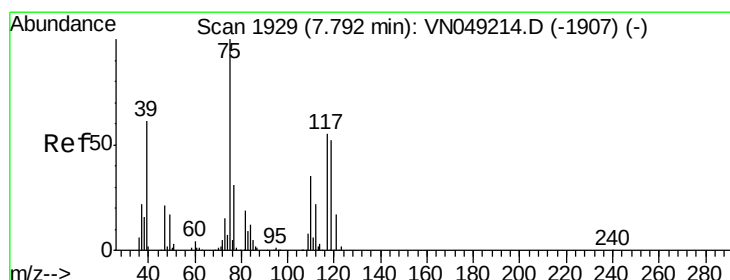
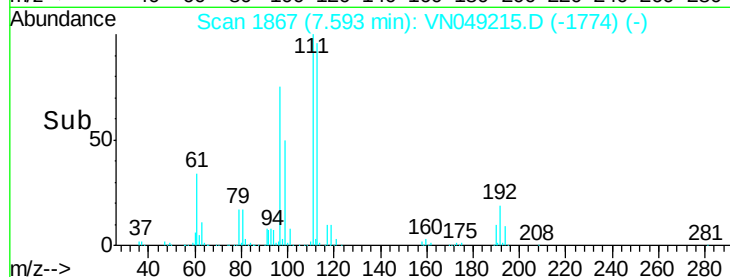
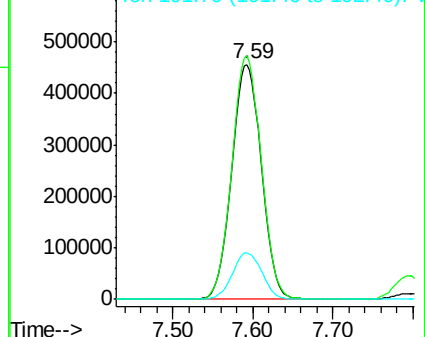
192 19.7 15.0 22.6



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: 99.14 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

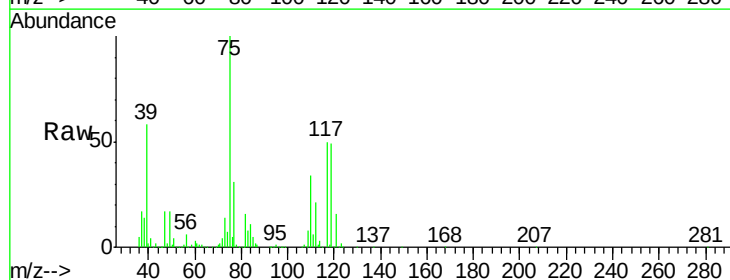
Tgt Ion: 75 Resp: 1797691

Ion Ratio Lower Upper

75 100

110 34.0 17.0 50.9

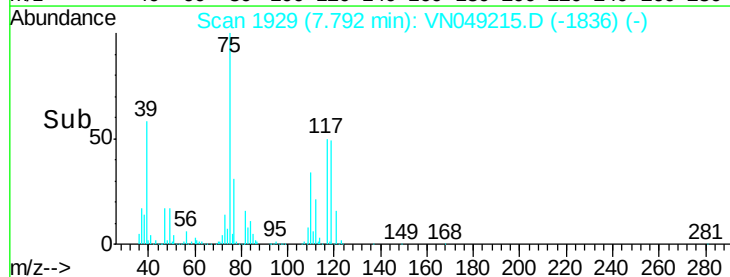
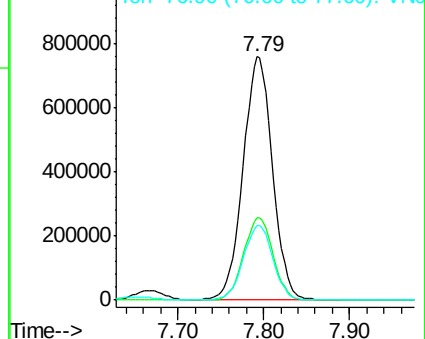
77 31.2 24.4 36.6

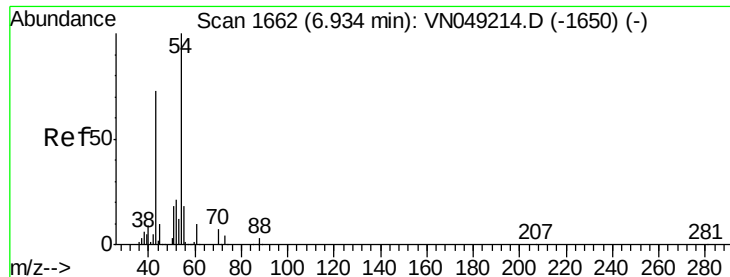


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

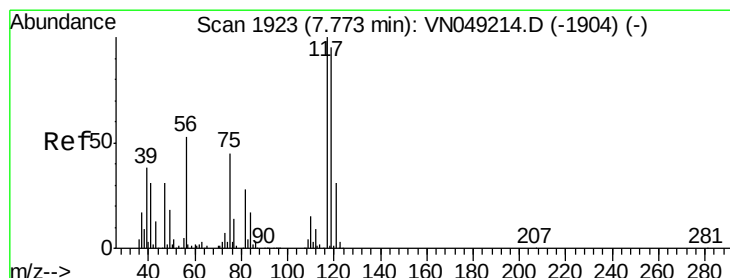
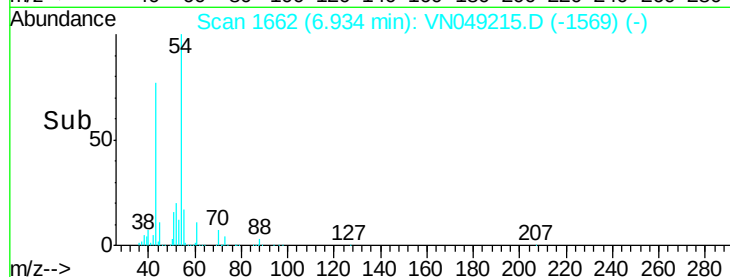
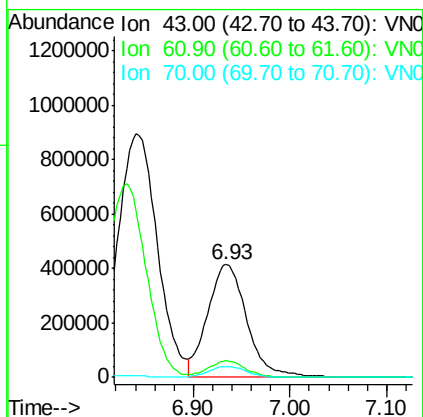
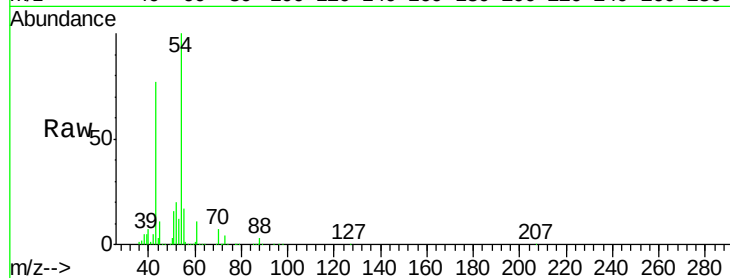




#37
Ethyl Acetate
Concen: 98.92 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

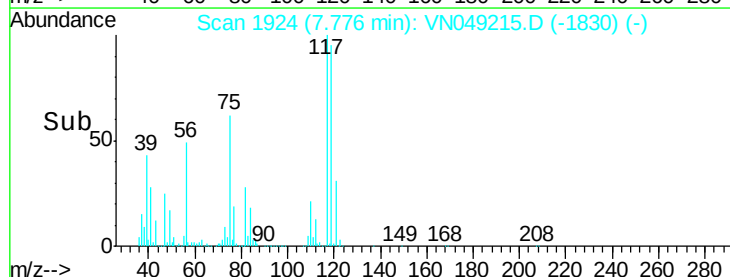
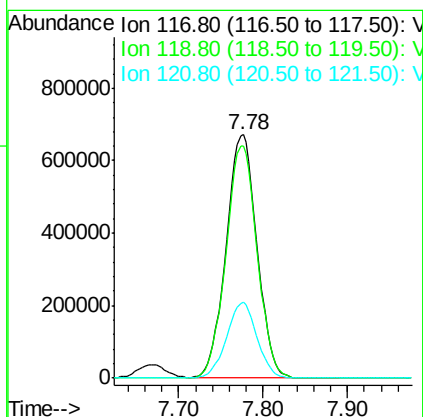
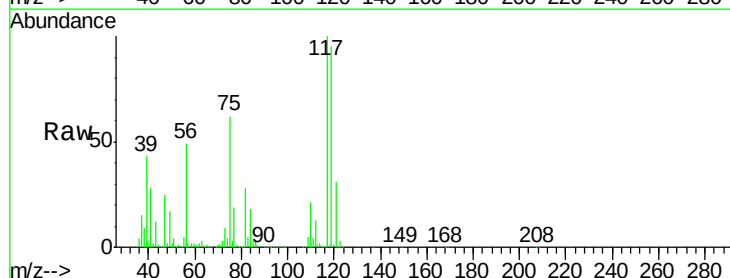
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

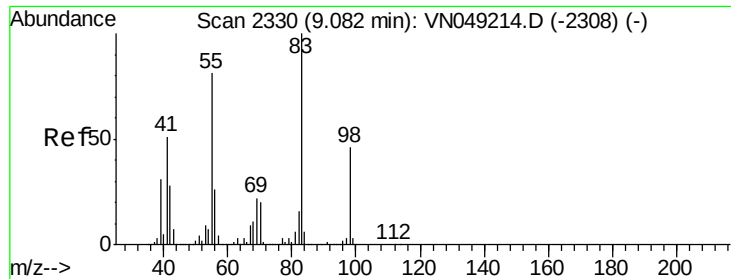
Tgt Ion: 43 Resp: 1150537
Ion Ratio Lower Upper
43 100
61 14.0 11.0 16.4
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 95.78 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 117 Resp: 1705160
Ion Ratio Lower Upper
117 100
119 95.2 75.6 113.4
121 31.2 24.7 37.1

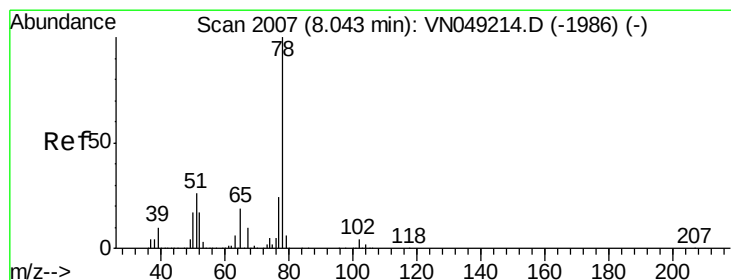
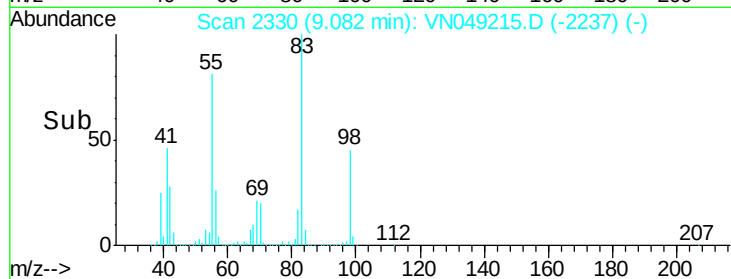
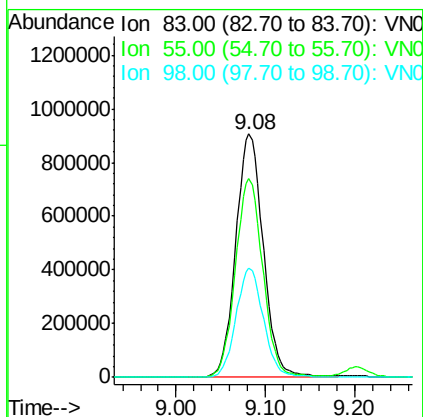
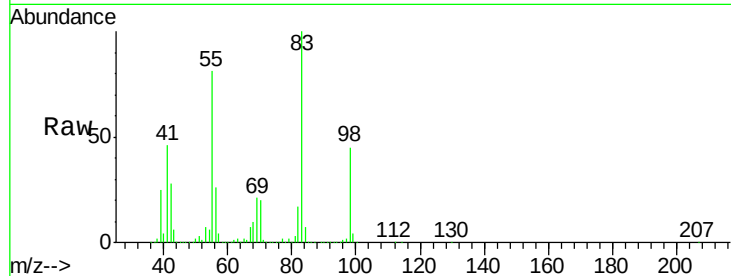




#39
Methylcyclohexane
Concen: 102.43 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

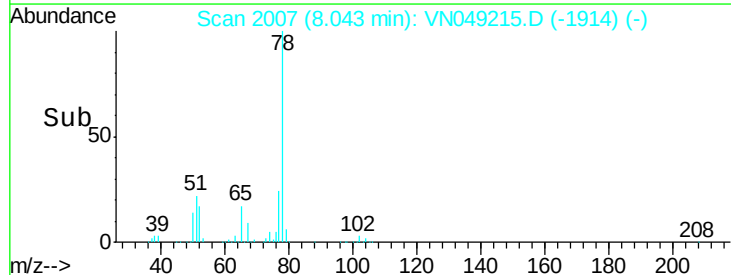
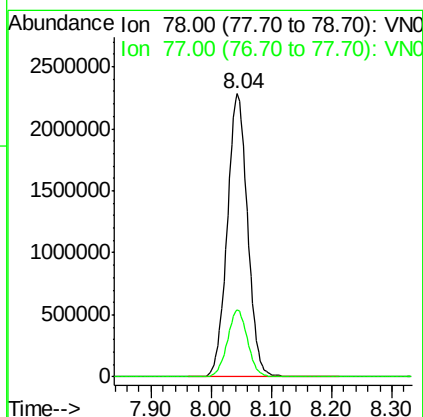
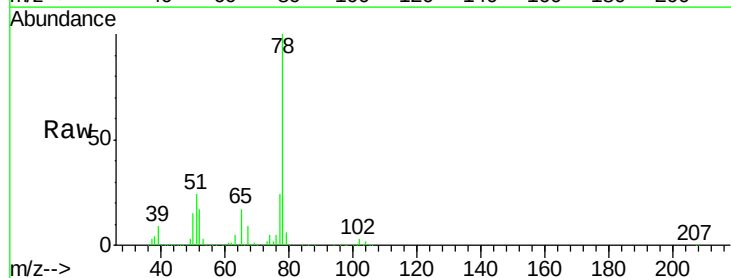
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

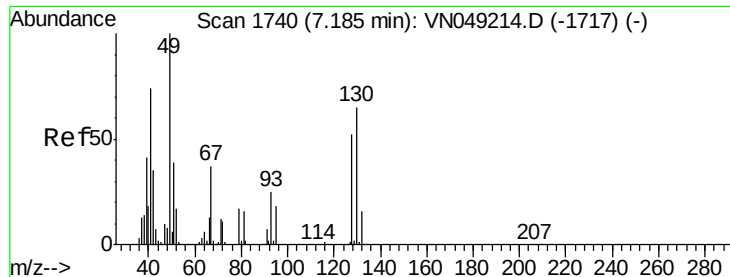
Tgt Ion: 83 Resp: 1941045
Ion Ratio Lower Upper
83 100
55 81.5 65.1 97.7
98 44.6 36.5 54.7



#40
Benzene
Concen: 98.54 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 78 Resp: 5353642
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.0





#41

Methacrylonitrile

Concen: 102.76 ug/l

RT: 7.18 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 41 Resp: 657717

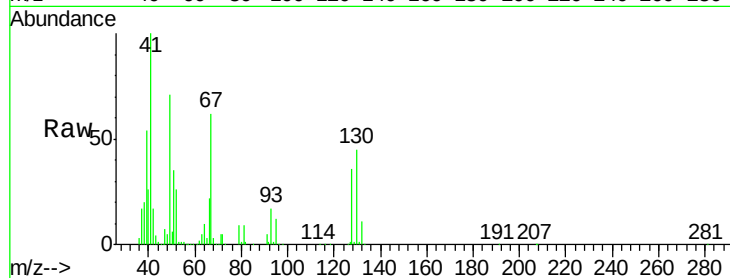
Ion Ratio Lower Upper

41 100

39 59.7 0.0 0.0#

67 74.4 0.0 0.0#

52 30.5 0.0 0.0#

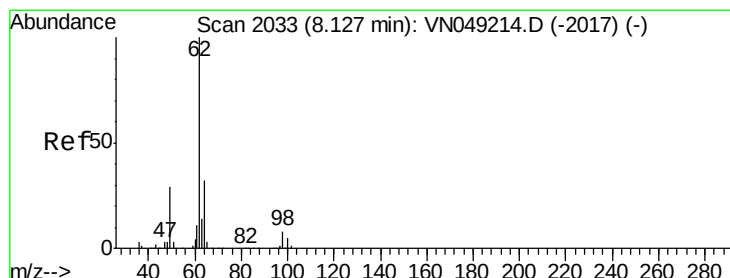
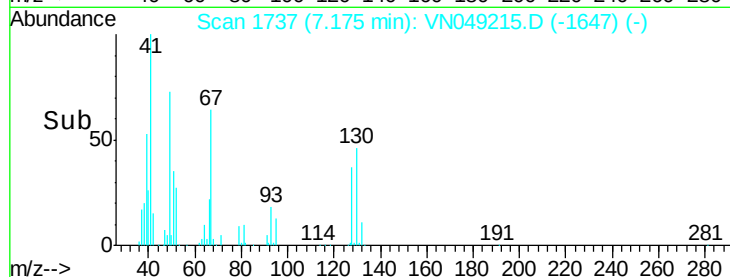
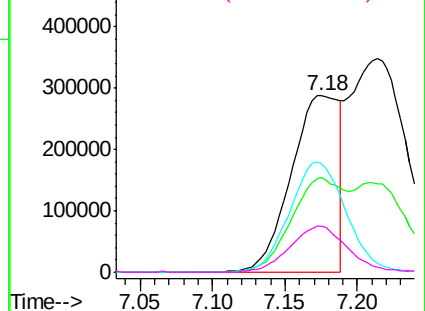


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 95.69 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049215.D

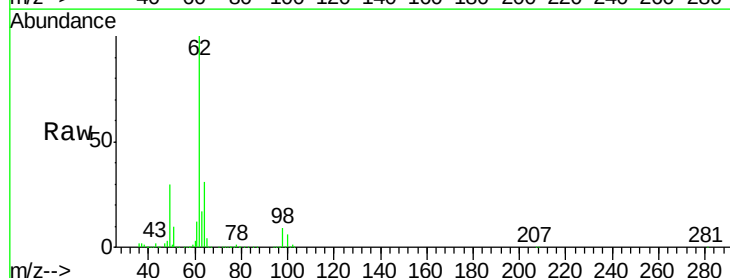
Acq: 13 Jun 2018 21:52

Tgt Ion: 62 Resp: 1692152

Ion Ratio Lower Upper

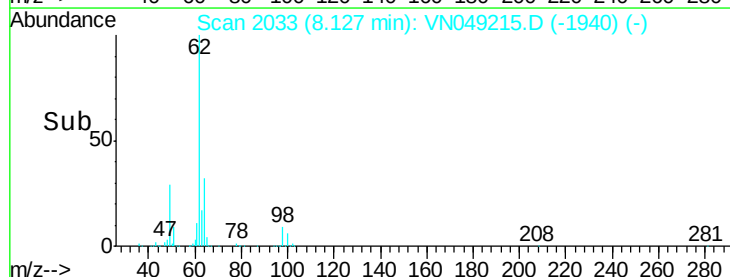
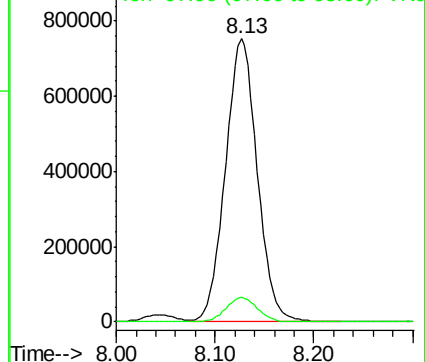
62 100

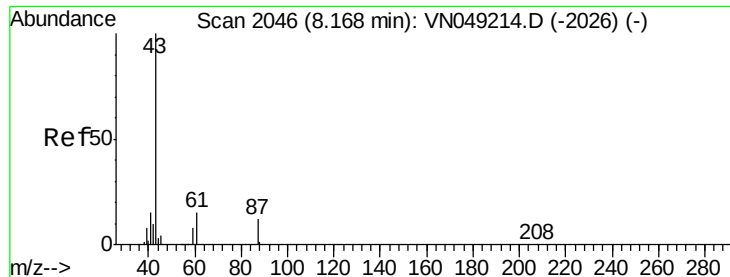
98 8.7 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 96.53 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

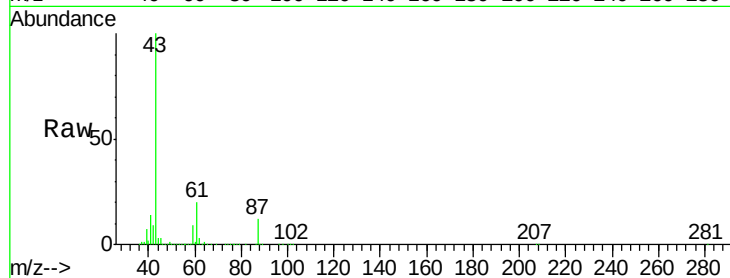
Tgt Ion: 43 Resp: 2141653

Ion Ratio Lower Upper

43 100

61 19.1 14.2 21.4

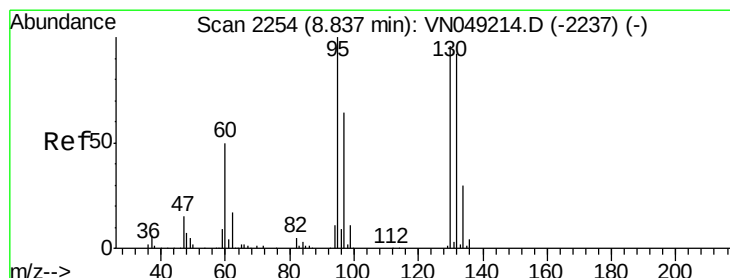
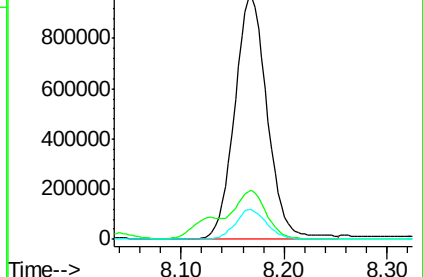
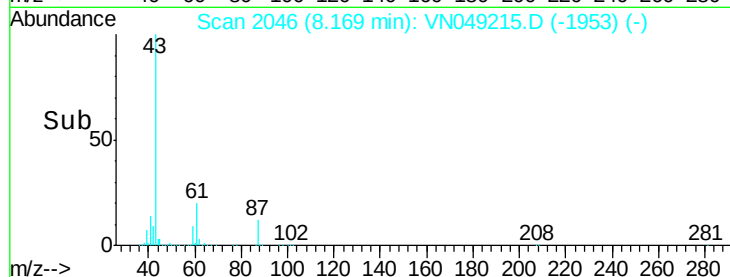
87 11.8 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049215.D (-1953) (-)

Ion 61.00 (60.70 to 61.70): VN049215.D (-1953) (-)

Ion 87.00 (86.70 to 87.70): VN049215.D (-1953) (-)



#44

Trichloroethene

Concen: 95.92 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049215.D

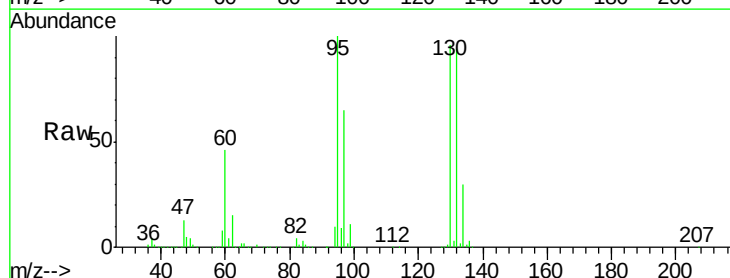
Acq: 13 Jun 2018 21:52

Tgt Ion: 130 Resp: 1276142

Ion Ratio Lower Upper

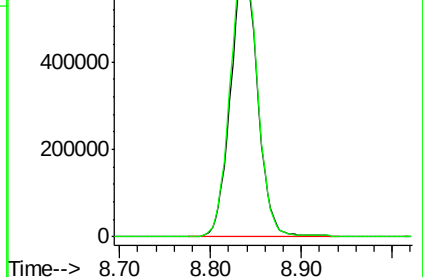
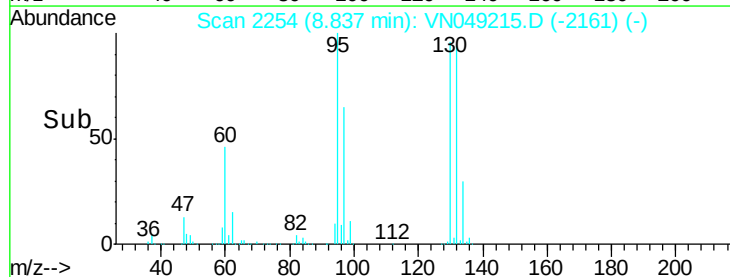
130 100

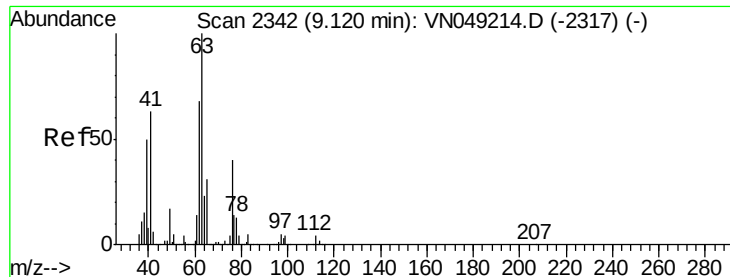
95 104.2 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049215.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049215.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 97.80 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

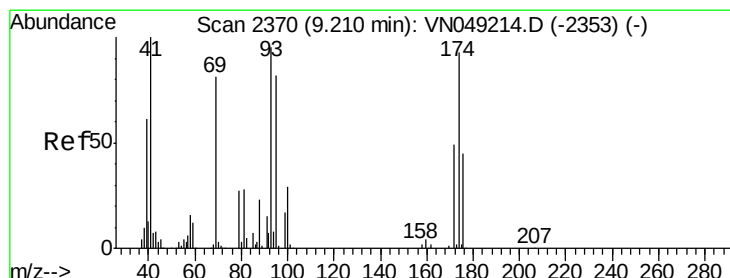
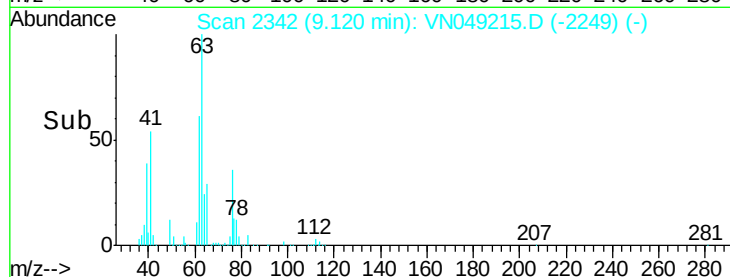
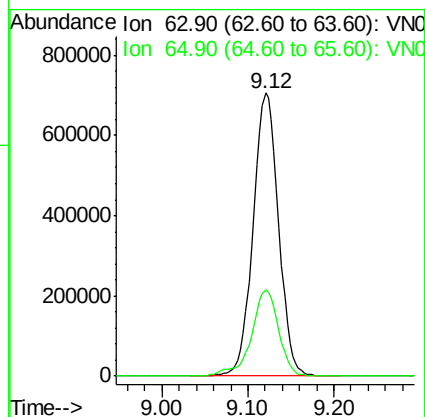
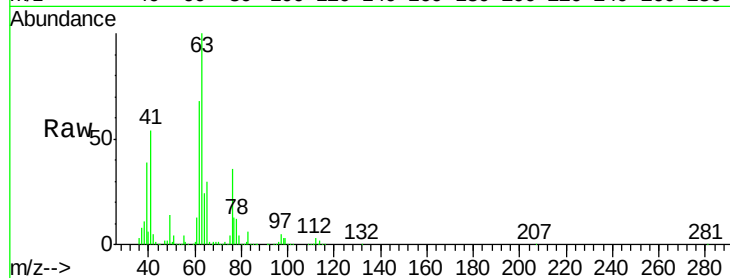
VSTDIC100

Tgt Ion: 63 Resp: 1455167

Ion Ratio Lower Upper

63 100

65 30.2 24.8 37.2



#46

Dibromomethane

Concen: 95.65 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

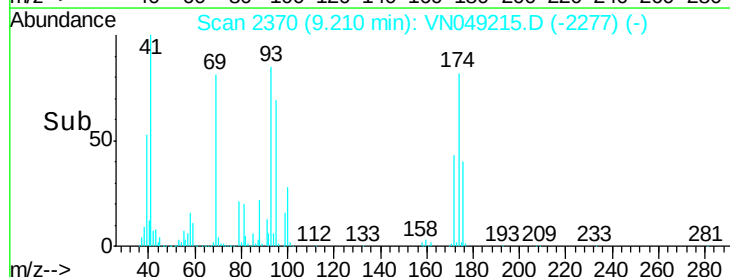
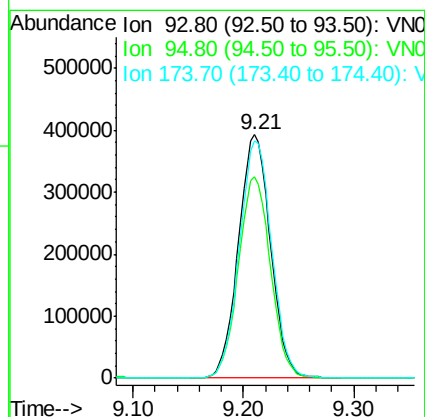
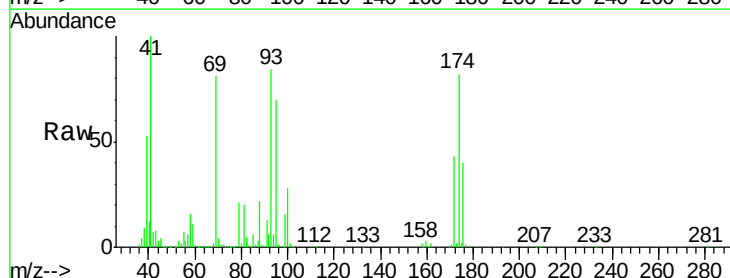
Tgt Ion: 93 Resp: 792850

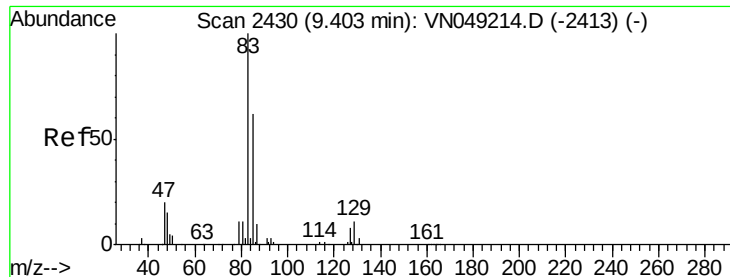
Ion Ratio Lower Upper

93 100

95 82.8 67.2 100.8

174 98.0 75.6 113.4





#47

Bromodichloromethane

Concen: 97.07 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

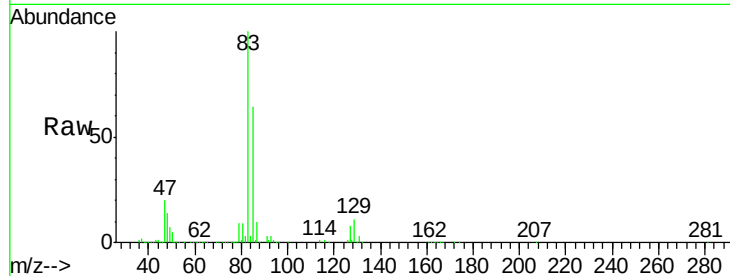
Tgt Ion: 83 Resp: 1785430

Ion Ratio Lower Upper

83 100

85 63.9 49.4 74.0

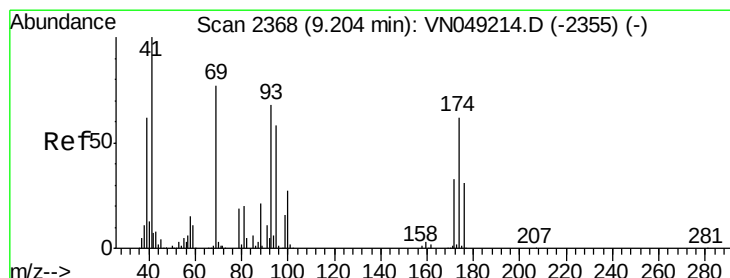
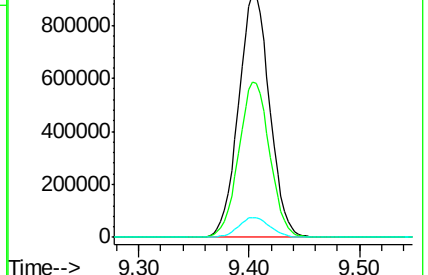
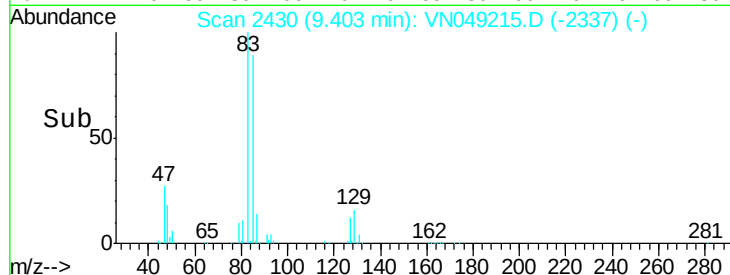
127 8.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049215.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049215.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049215.D (-2337) (-)



#48

Methyl methacrylate

Concen: 99.81 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

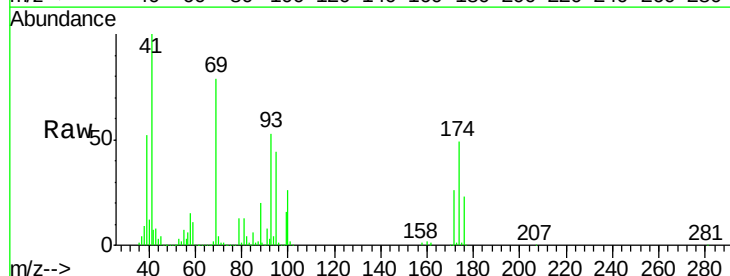
Tgt Ion: 41 Resp: 1056780

Ion Ratio Lower Upper

41 100

69 84.3 62.0 93.0

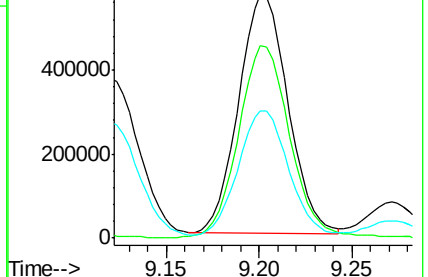
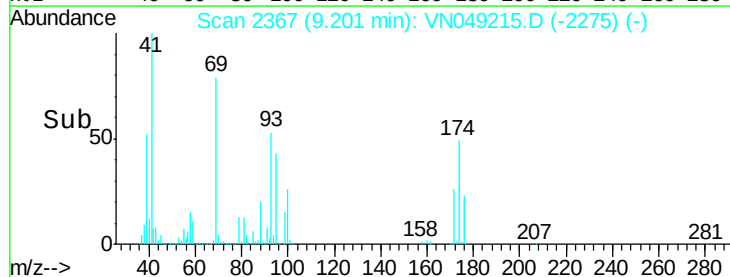
39 55.5 50.6 75.8

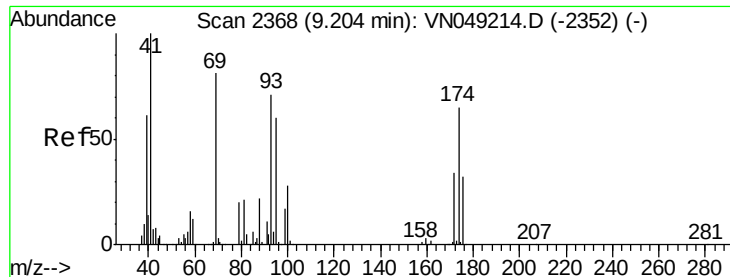


Abundance Ion 41.00 (40.70 to 41.70): VN049215.D (-2275) (-)

Ion 69.00 (68.70 to 69.70): VN049215.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN049215.D (-2275) (-)





#49

1,4-Dioxane

Concen: 2018.13 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

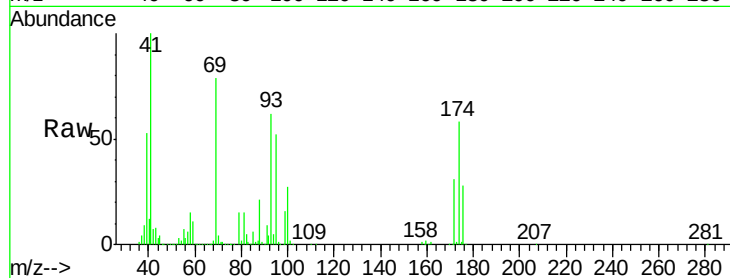
Tgt Ion: 88 Resp: 239913

Ion Ratio Lower Upper

88 100

43 35.9 30.9 46.3

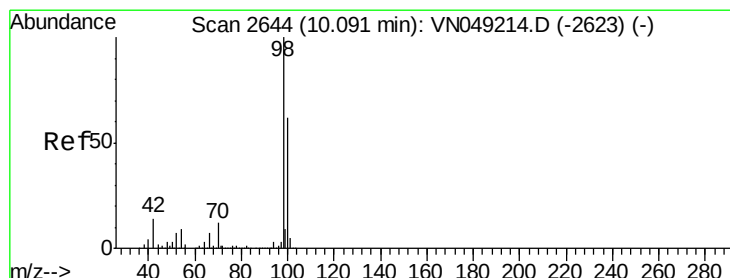
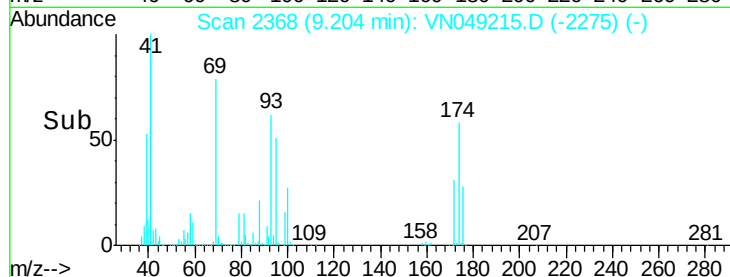
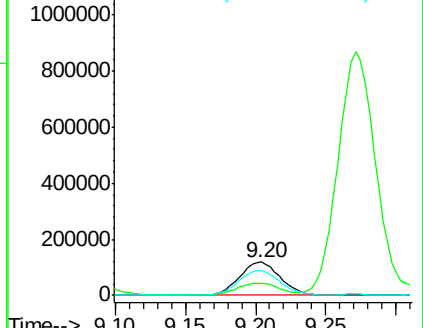
58 75.9 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VN049215.D (-2275) (-)

Ion 43.00 (42.70 to 43.70): VN049215.D (-2275) (-)

Ion 58.00 (57.70 to 58.70): VN049215.D (-2275) (-)



#50

Toluene-d8

Concen: 99.89 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049215.D

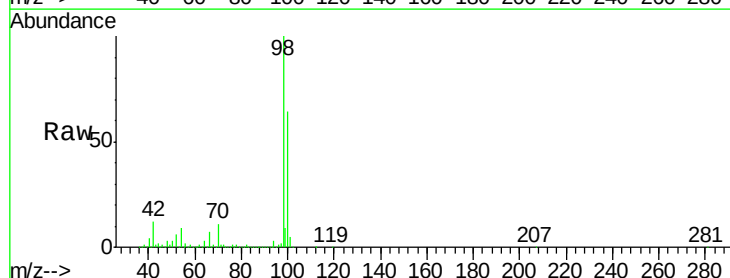
Acq: 13 Jun 2018 21:52

Tgt Ion: 98 Resp: 4611048

Ion Ratio Lower Upper

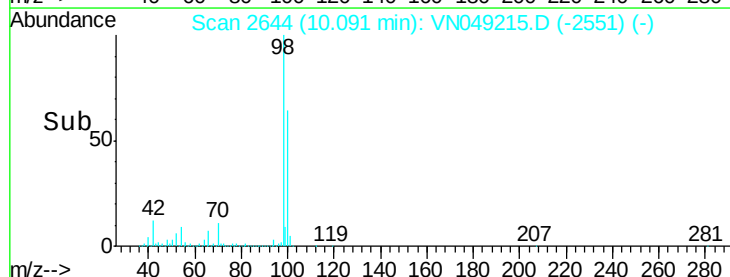
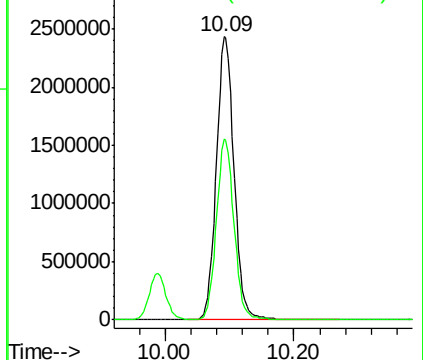
98 100

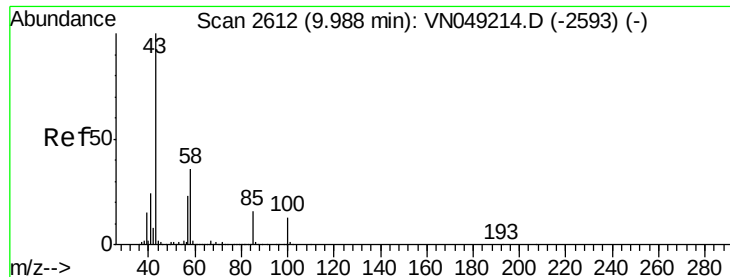
100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049215.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049215.D (-2551) (-)

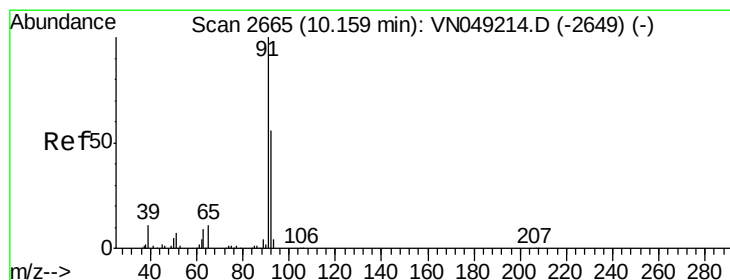
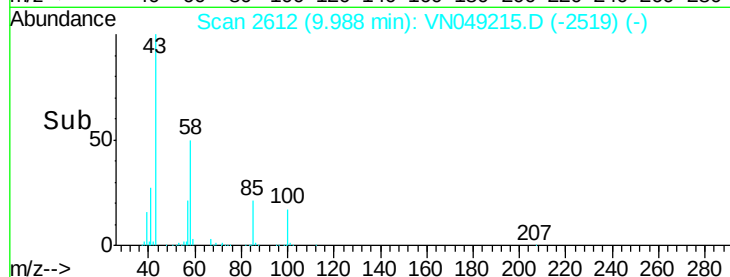
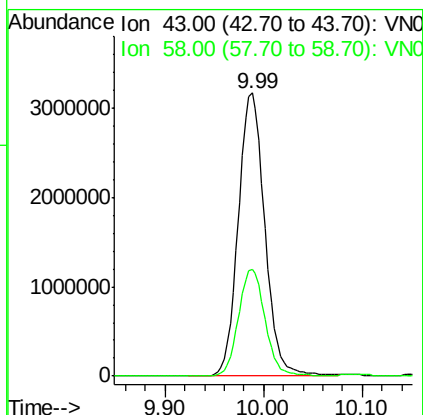
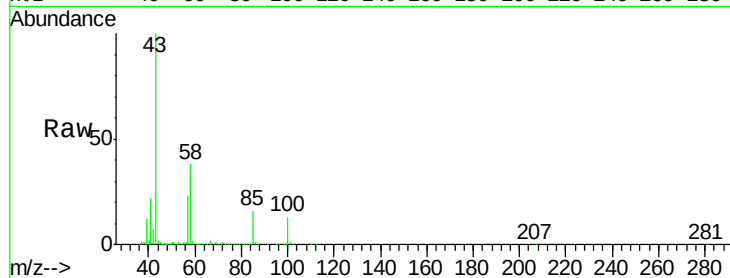




#51
 4-Methyl-2-Pentanone
 Concen: 504.49 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

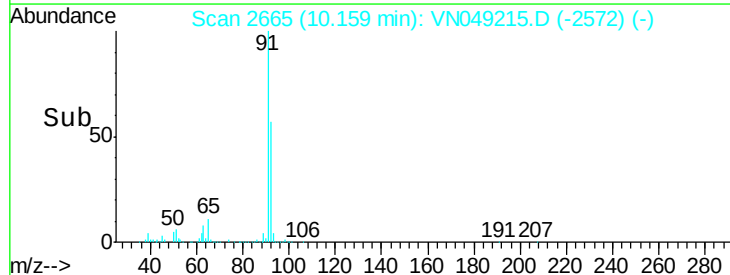
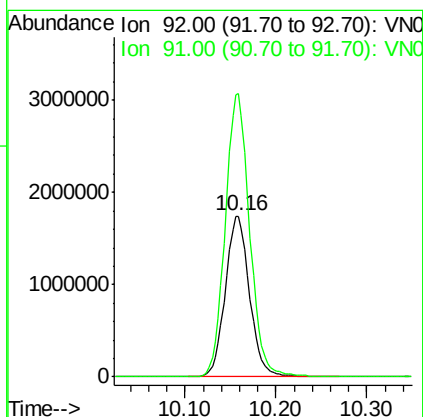
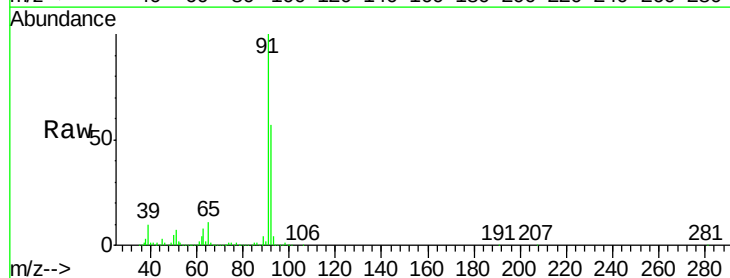
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

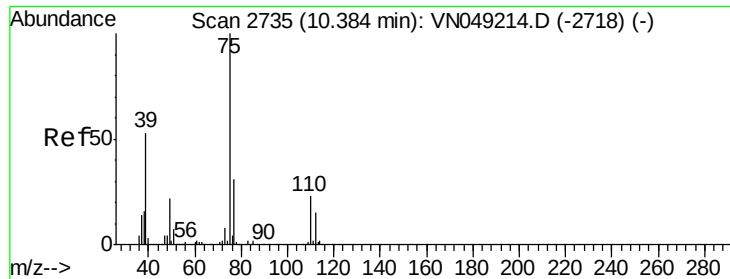
Tgt Ion: 43 Resp: 5912653
 Ion Ratio Lower Upper
 43 100
 58 37.7 29.0 43.6



#52
 Toluene
 Concen: 99.16 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion: 92 Resp: 3229848
 Ion Ratio Lower Upper
 92 100
 91 177.2 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 102.84 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

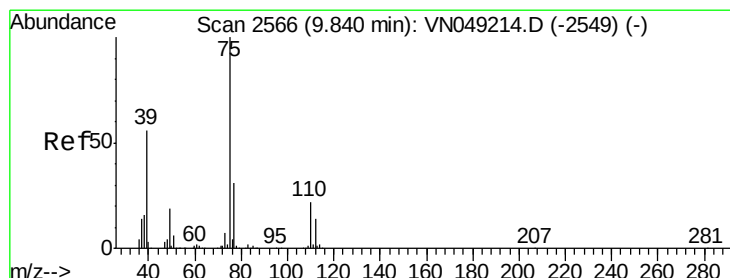
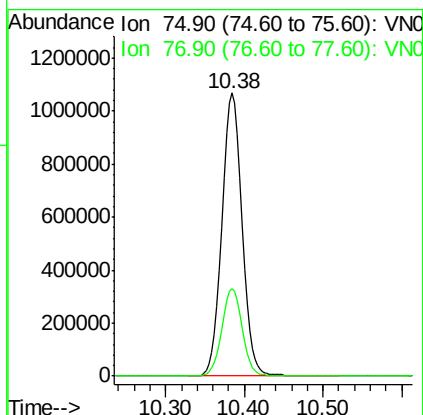
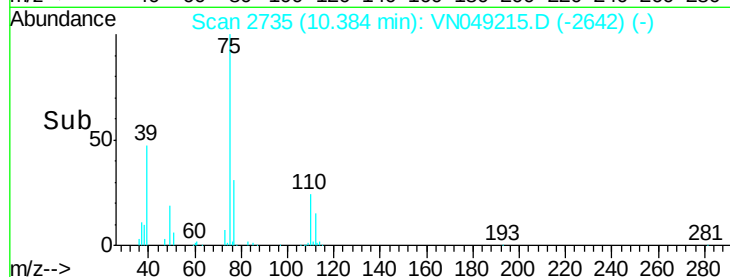
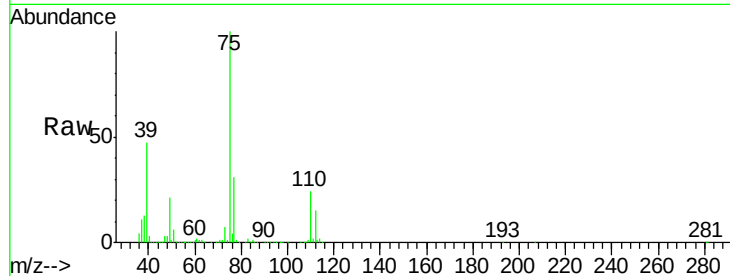
VSTDIC100

Tgt Ion: 75 Resp: 1886019

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 101.44 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

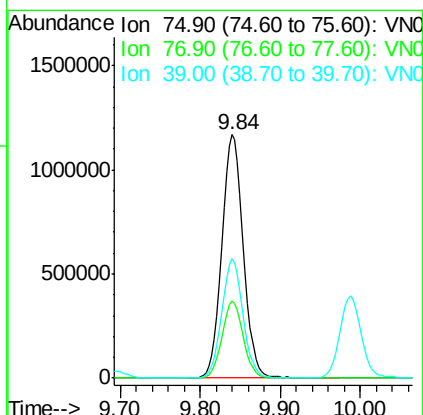
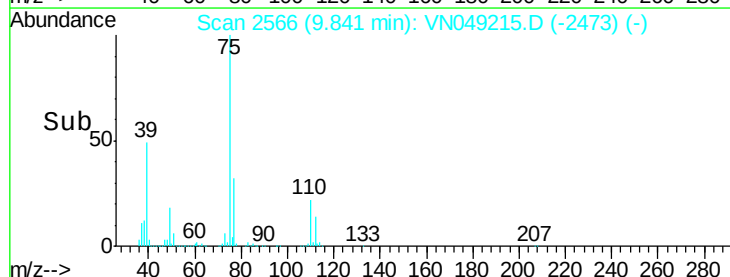
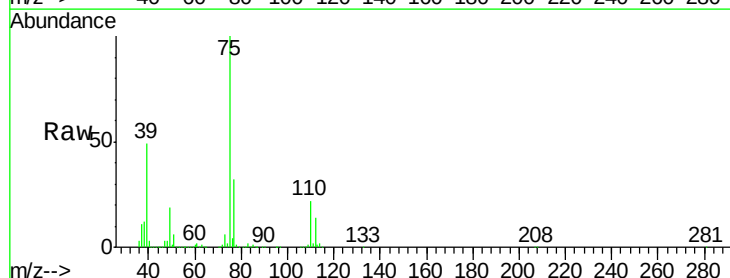
Tgt Ion: 75 Resp: 2160630

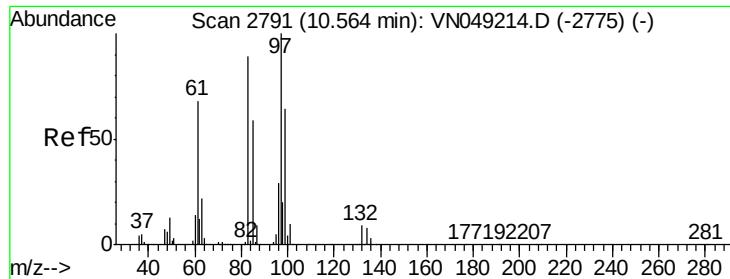
Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 48.9 45.1 67.7

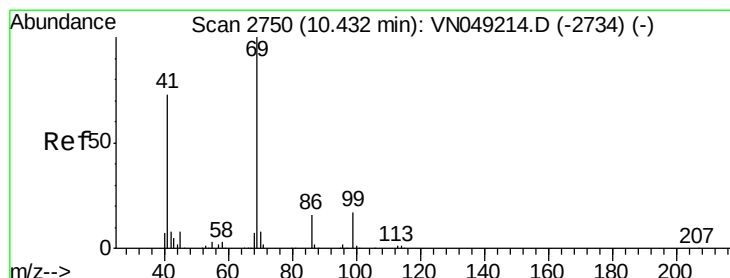
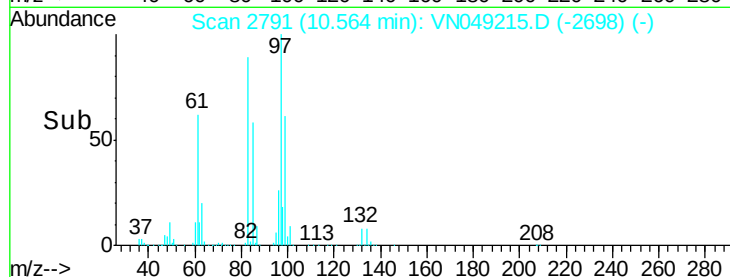
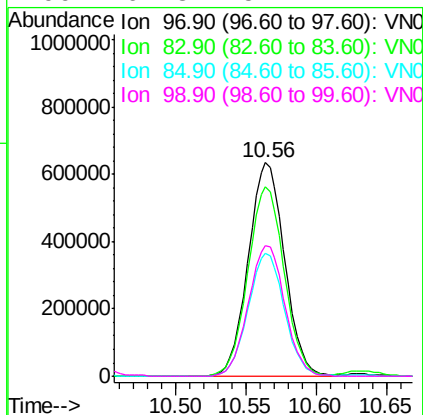
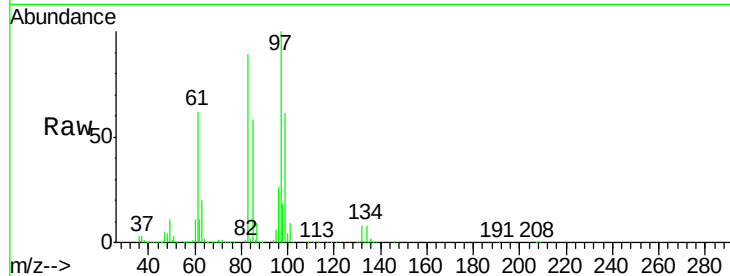




#55
 1,1,2-Trichloroethane
 Concen: 98.65 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

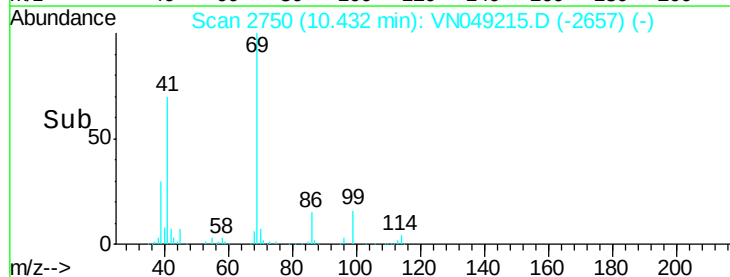
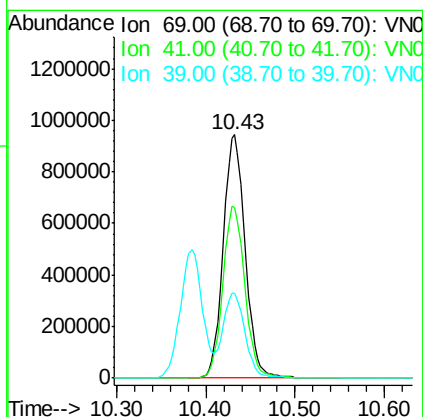
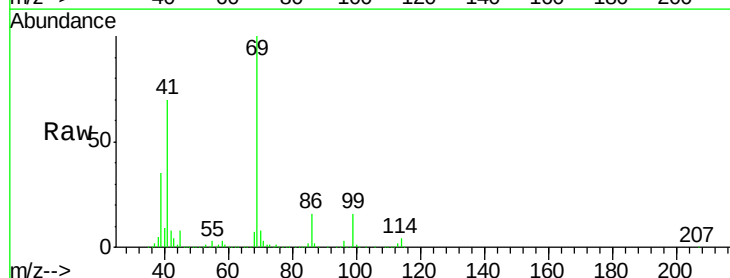
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

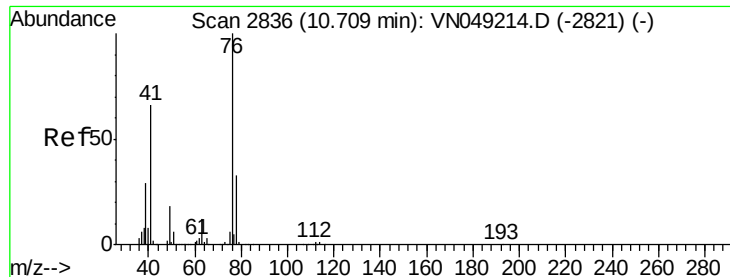
Tgt Ion: 97 Resp: 1145210
 Ion Ratio Lower Upper
 97 100
 83 88.7 71.5 107.3
 85 57.7 47.0 70.4
 99 61.3 51.4 77.2



#56
 Ethyl methacrylate
 Concen: 106.78 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion: 69 Resp: 1609973
 Ion Ratio Lower Upper
 69 100
 41 69.9 58.4 87.6
 39 34.7 35.5 53.3#





#57

1,3-Dichloropropane

Concen: 99.35 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

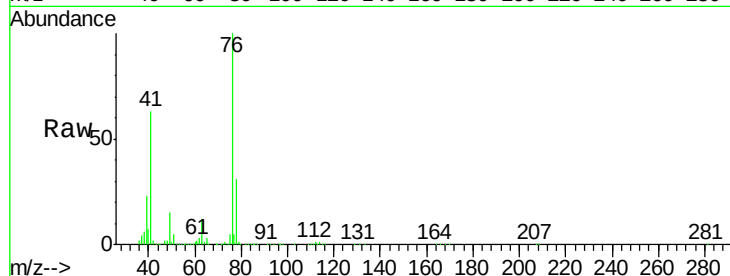
VSTDIC100

Tgt Ion: 76 Resp: 2008454

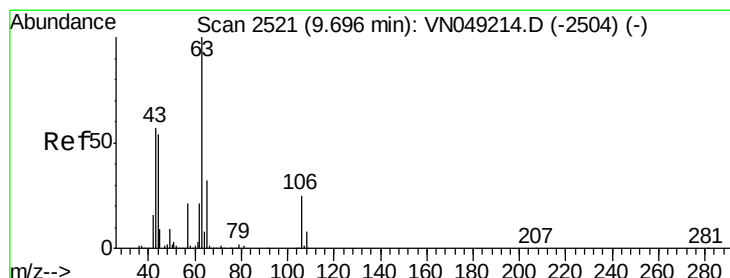
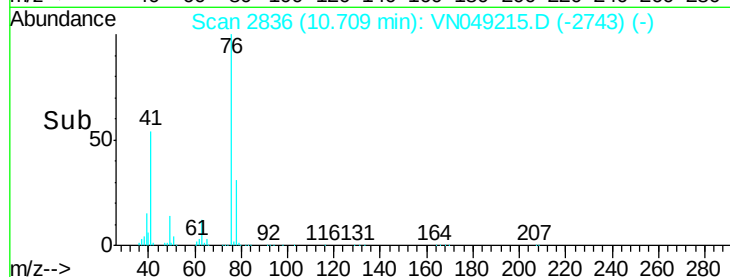
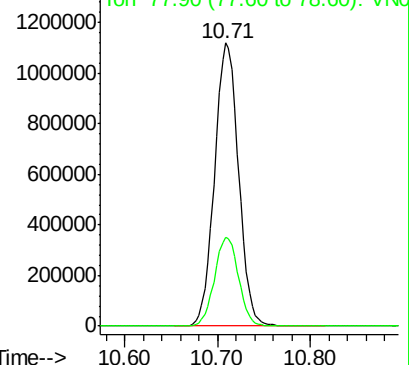
Ion Ratio Lower Upper

76 100

78 31.5 26.3 39.5



Abundance Ion 75.90 (75.60 to 76.60): VN049215.D (-2743) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 548.41 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049215.D

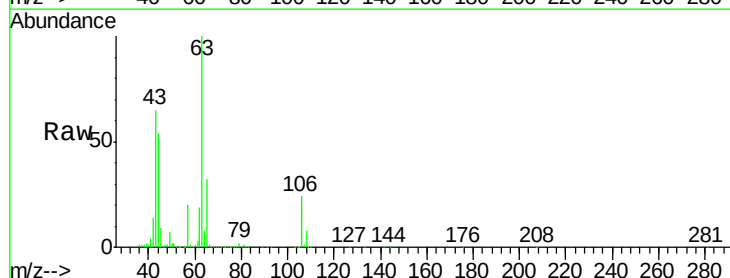
Acq: 13 Jun 2018 21:52

Tgt Ion: 63 Resp: 2733616

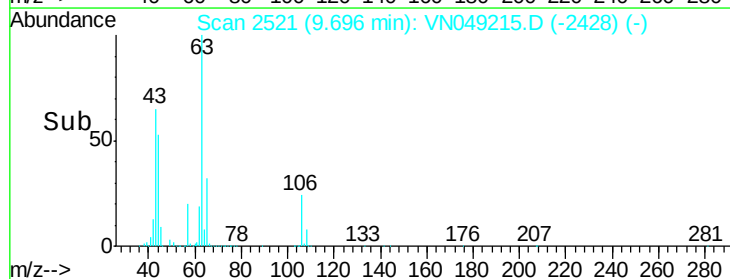
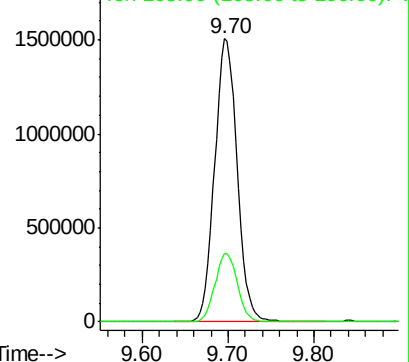
Ion Ratio Lower Upper

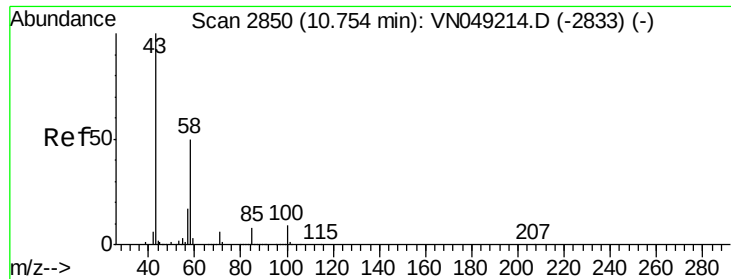
63 100

106 24.2 19.4 29.2



Abundance Ion 62.90 (62.60 to 63.60): VN049215.D (-2428) (-)

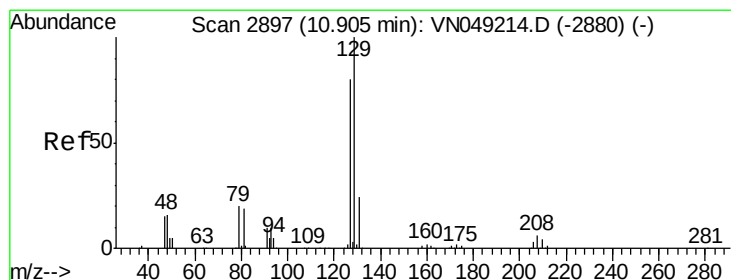
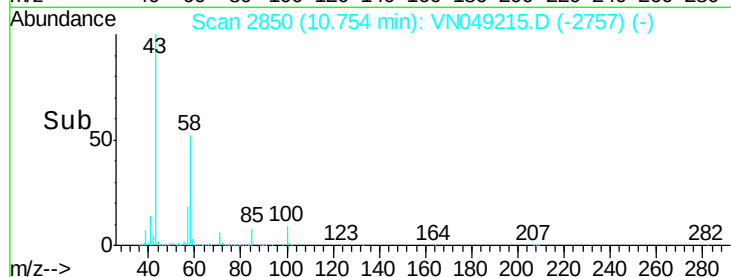
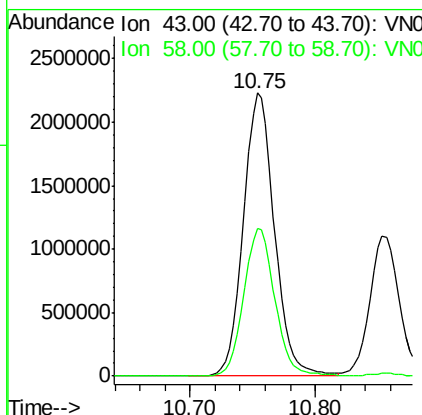
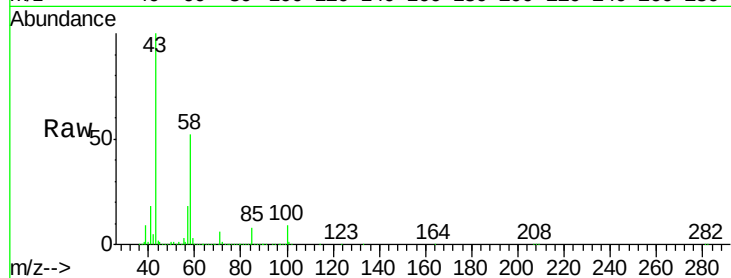




#59
2-Hexanone
Concen: 505.99 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

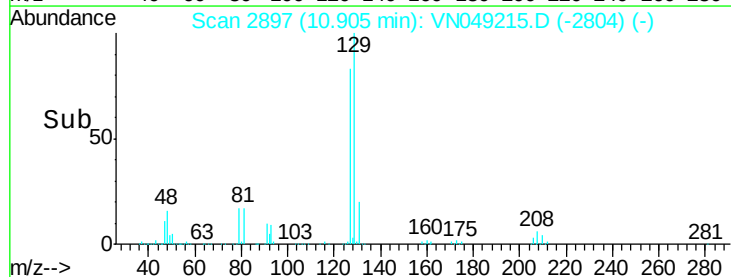
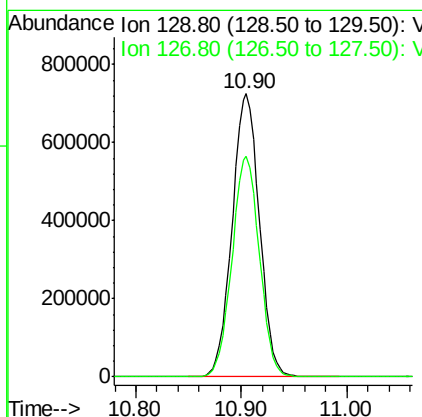
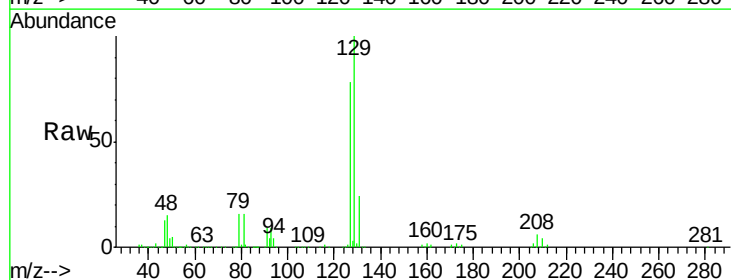
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

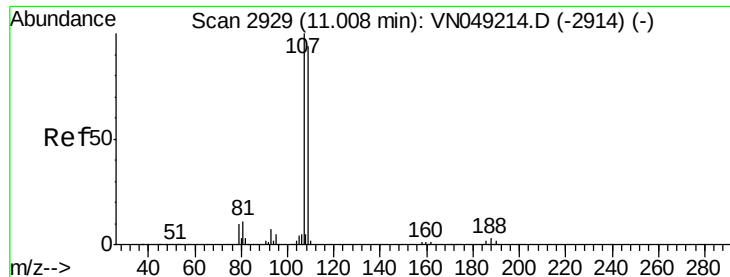
Tgt Ion: 43 Resp: 3816763
Ion Ratio Lower Upper
43 100
58 52.4 25.2 75.6



#60
Dibromochloromethane
Concen: 100.41 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 129 Resp: 1301090
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#61

1,2-Dibromoethane

Concen: 98.86 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

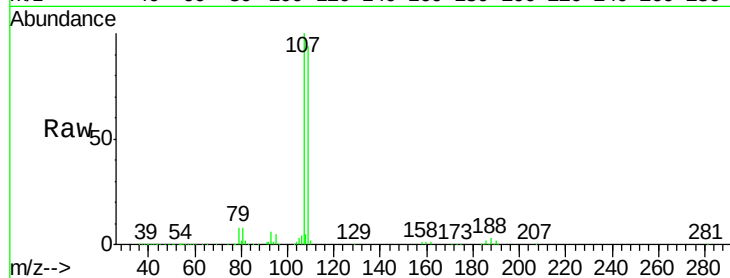
VSTDIC100

Tgt Ion: 107 Resp: 1073921

Ion Ratio Lower Upper

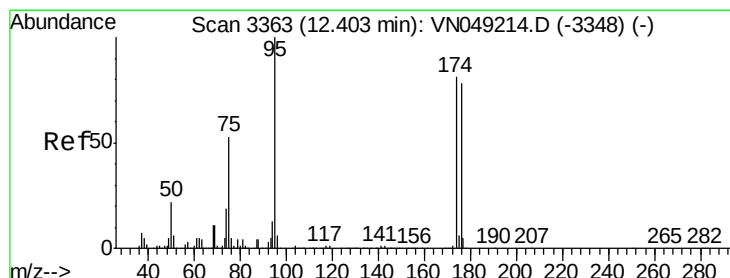
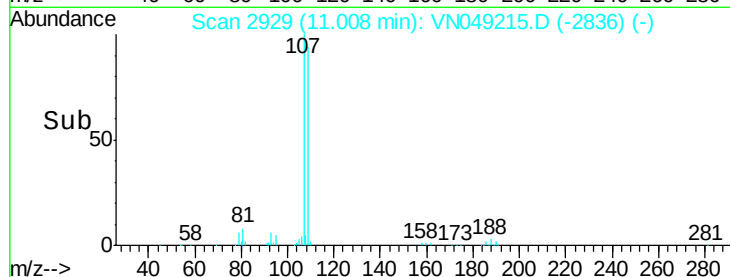
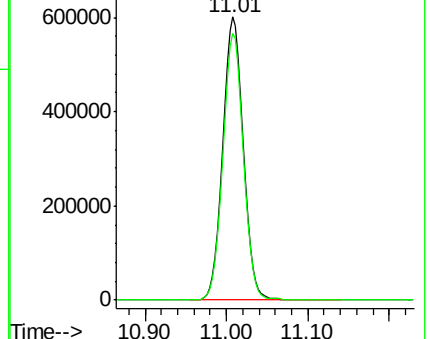
107 100

109 94.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 106.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

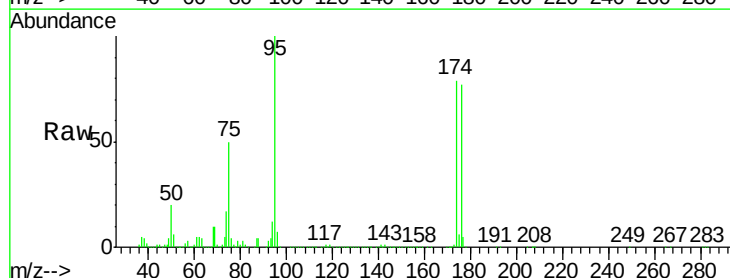
Tgt Ion: 95 Resp: 1636077

Ion Ratio Lower Upper

95 100

174 80.5 0.0 165.6

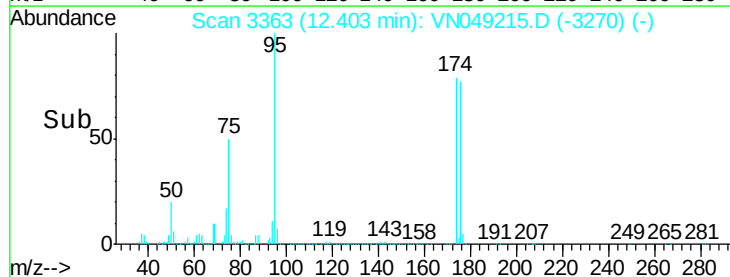
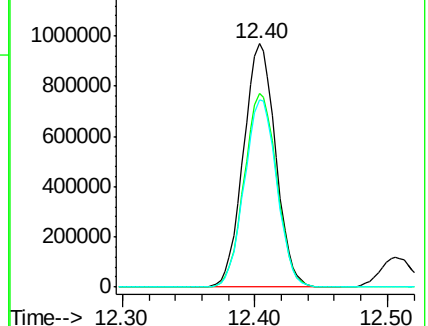
176 77.7 0.0 157.4

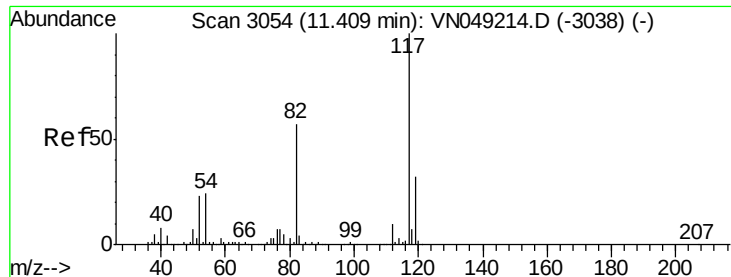


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

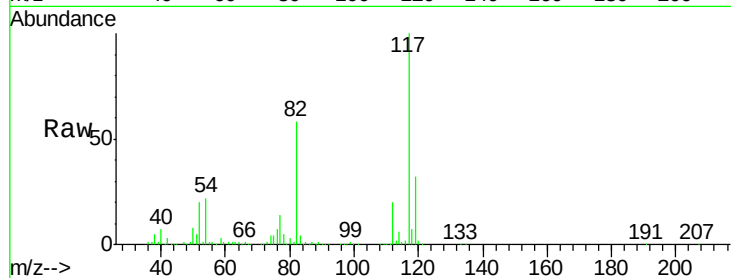
Tgt Ion:117 Resp: 1388594

Ion Ratio Lower Upper

117 100

82 57.9 45.9 68.9

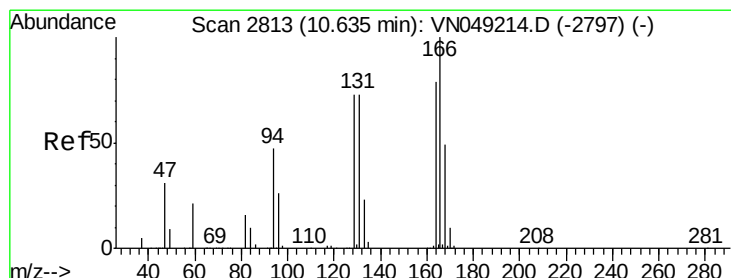
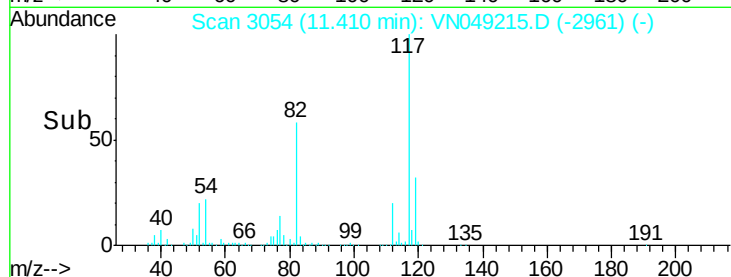
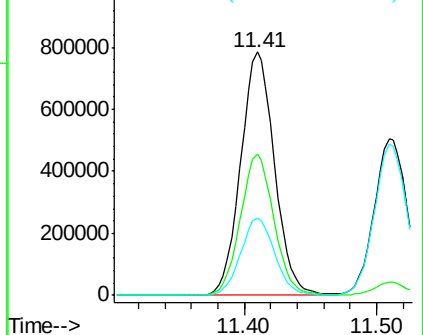
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 92.38 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Tgt Ion:164 Resp: 1240430

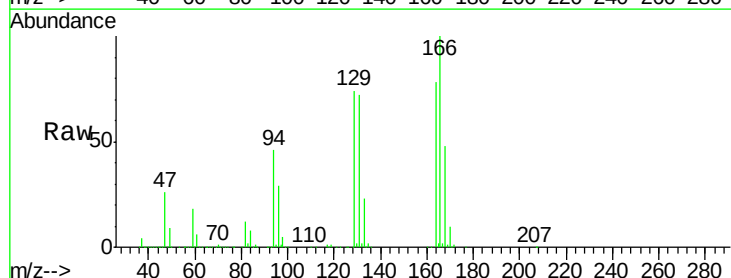
Ion Ratio Lower Upper

164 100

166 128.8 101.4 152.2

129 95.2 74.1 111.1

131 92.1 73.7 110.5

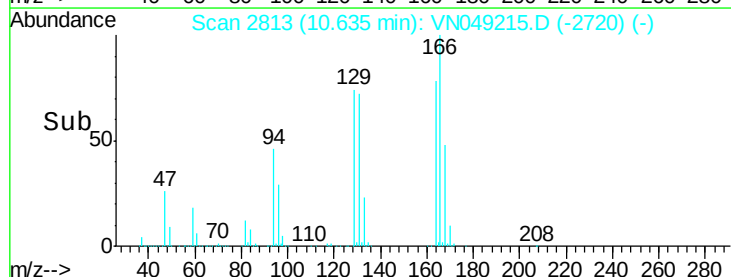
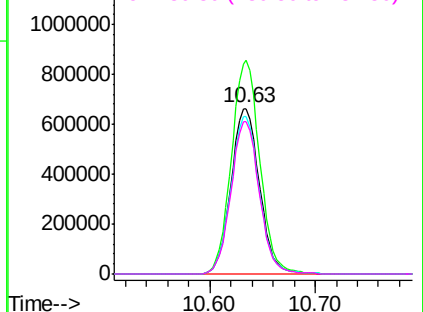


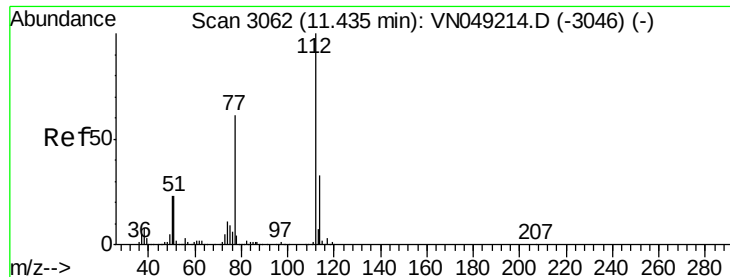
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

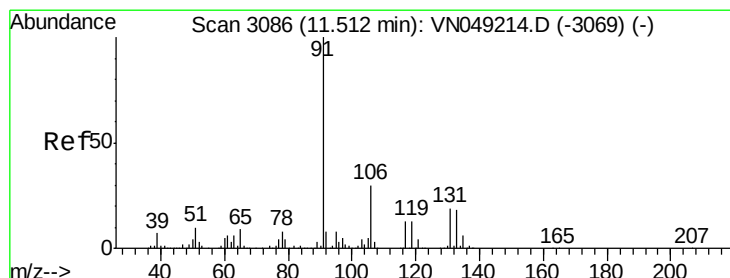
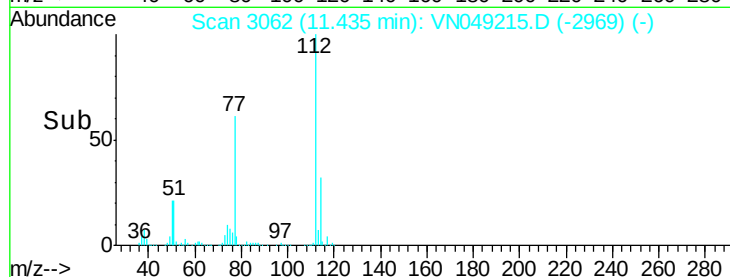
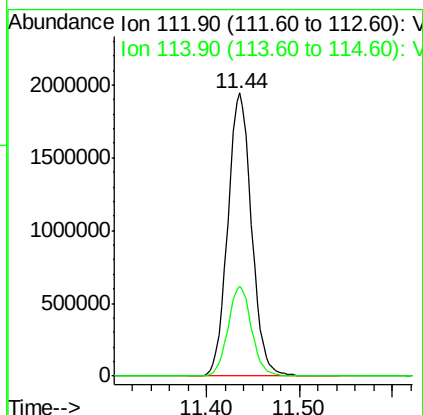
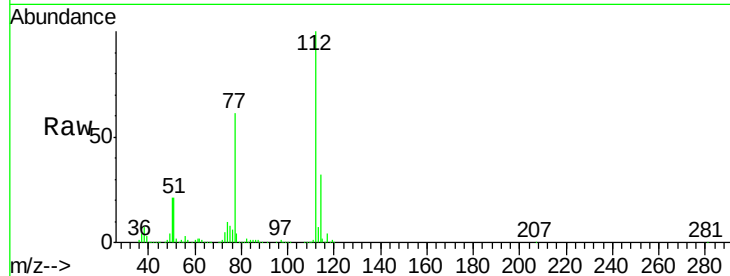




#65
Chlorobenzene
Concen: 96.50 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

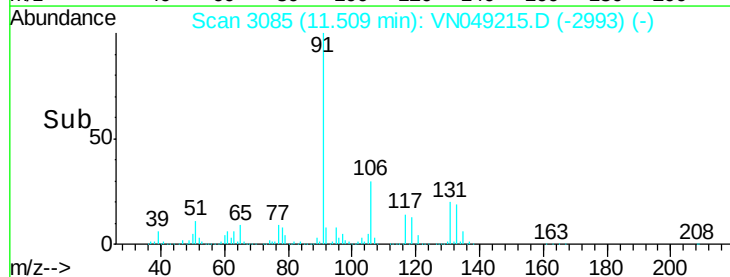
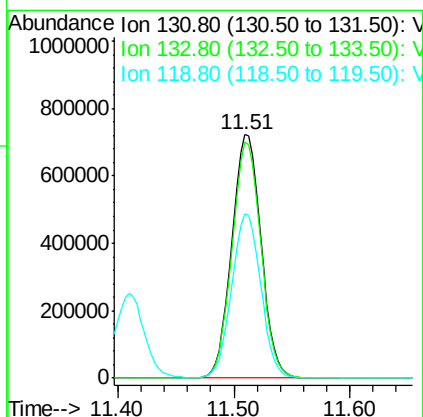
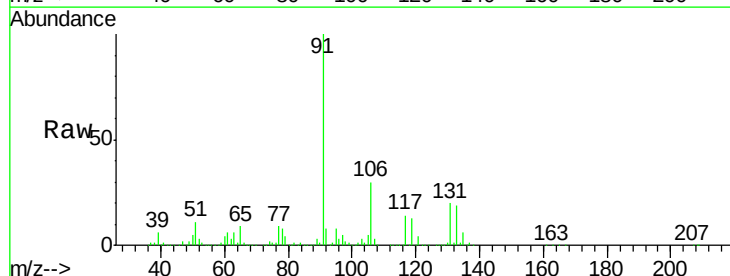
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

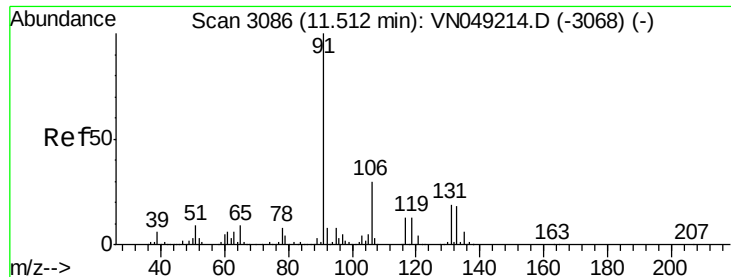
Tgt Ion:112 Resp: 3447773
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 94.58 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion:131 Resp: 1261383
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 67.0 33.6 100.8





#67

Ethyl Benzene

Concen: 100.43 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

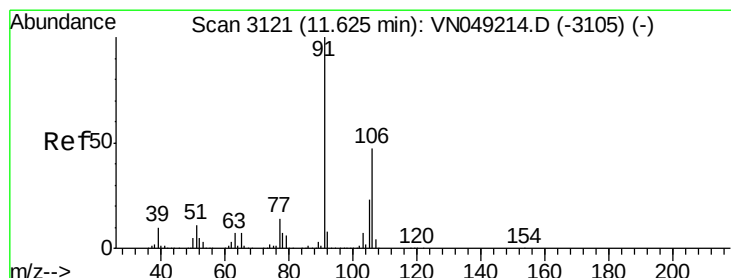
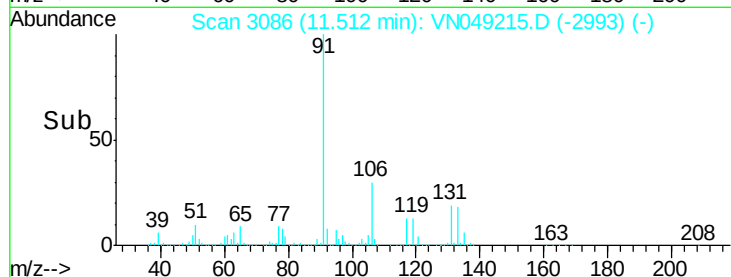
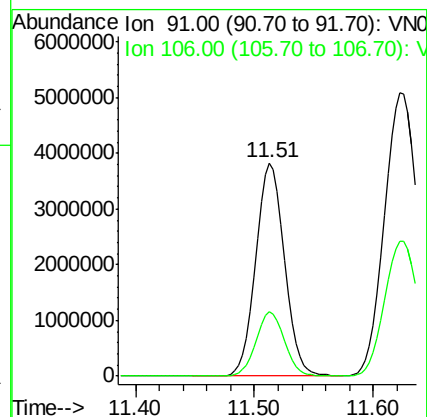
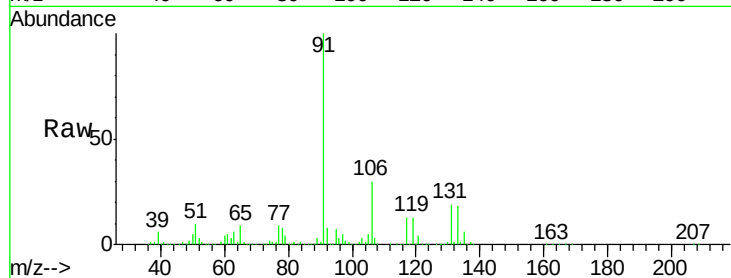
VSTDIC100

Tgt Ion: 91 Resp: 6383765

Ion Ratio Lower Upper

91 100

106 30.1 23.9 35.9



#68

m/p-Xylenes

Concen: 201.60 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049215.D

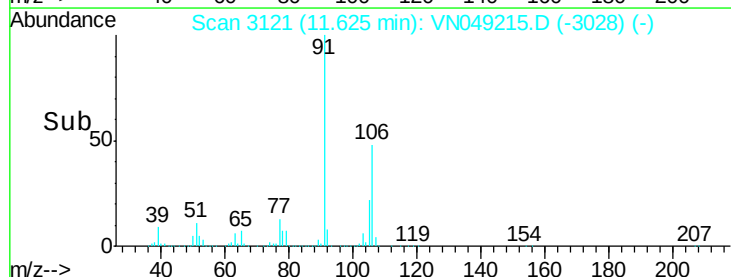
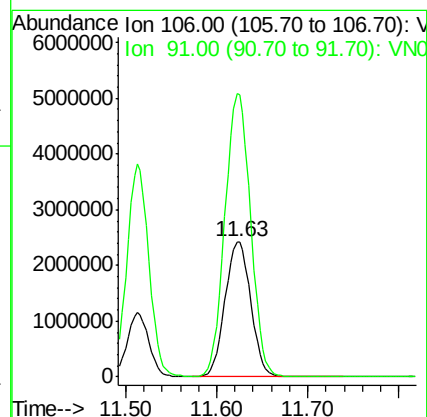
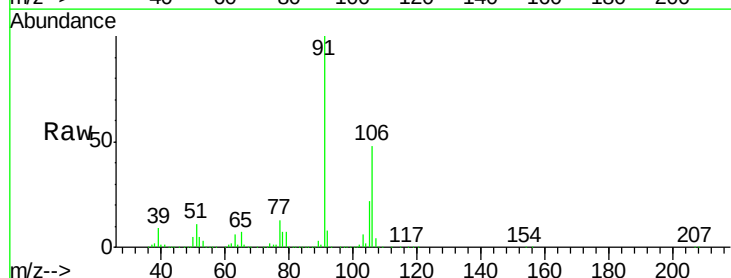
Acq: 13 Jun 2018 21:52

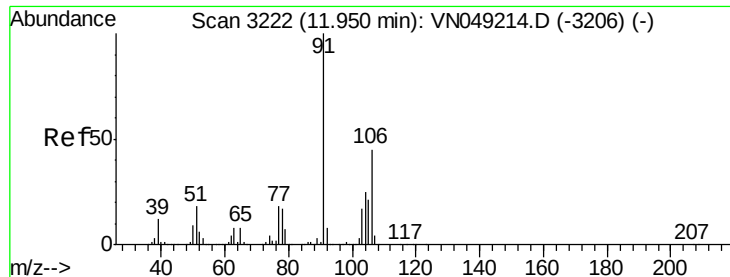
Tgt Ion: 106 Resp: 4763064

Ion Ratio Lower Upper

106 100

91 208.9 167.3 250.9

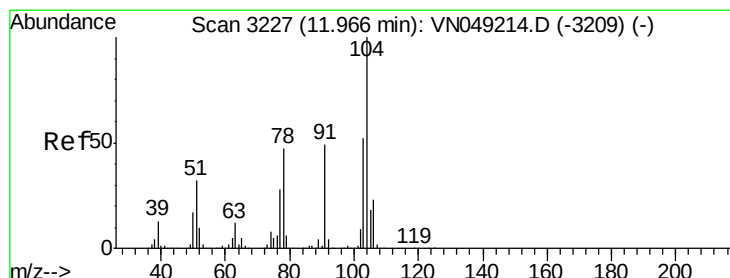
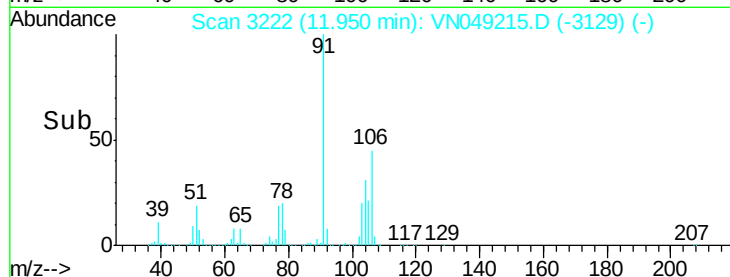
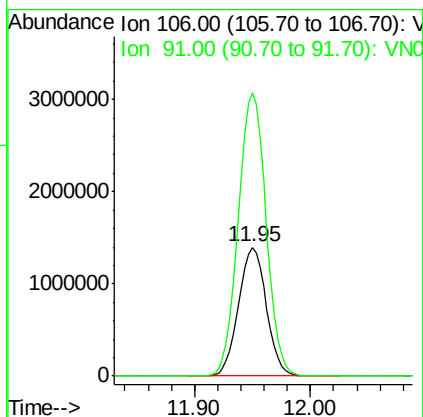
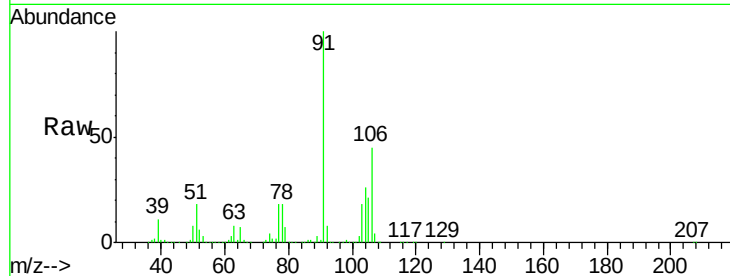




#69
o-Xylene
Concen: 102.01 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

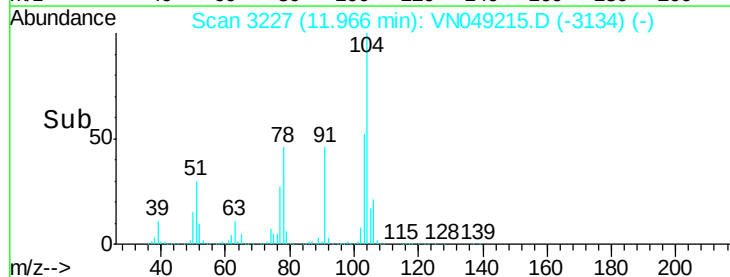
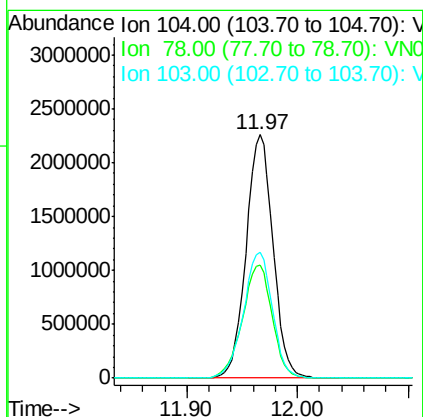
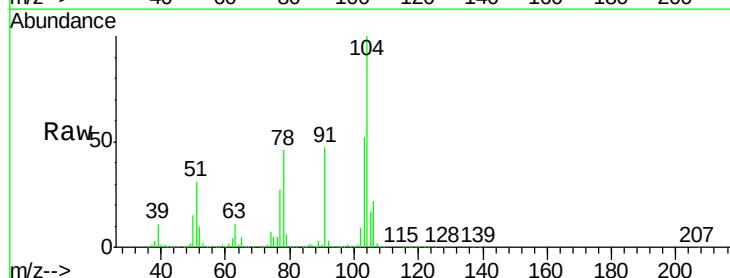
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

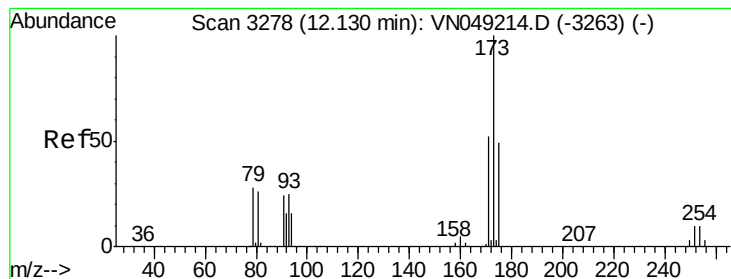
Tgt Ion:106 Resp: 2316524
Ion Ratio Lower Upper
106 100
91 219.8 111.0 333.0



#70
Styrene
Concen: 104.31 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion:104 Resp: 3806769
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 55.8 45.4 68.2





#71

Bromoform

Concen: 99.65 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

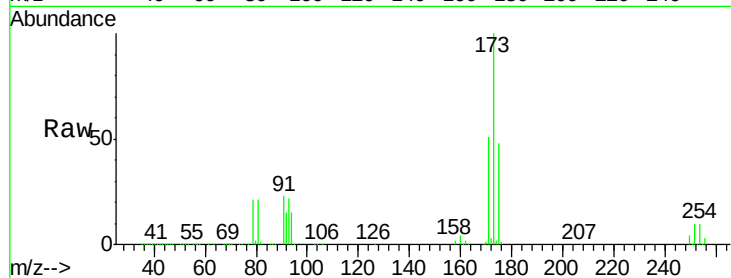
Tgt Ion:173 Resp: 869128

Ion Ratio Lower Upper

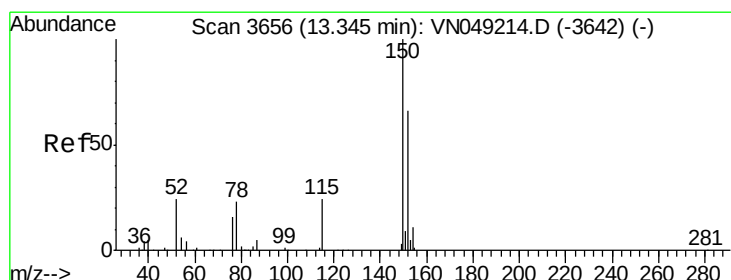
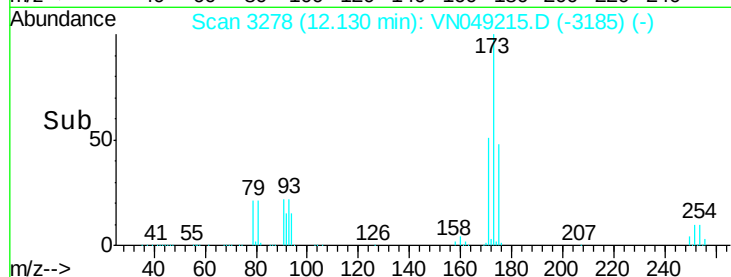
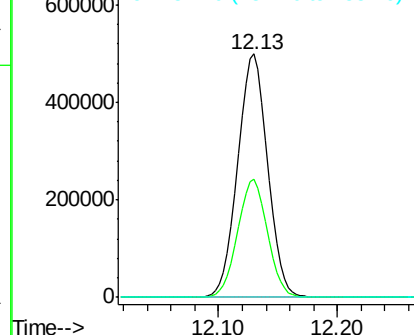
173 100

175 48.4 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: VN049215.D

Acq: 13 Jun 2018 21:52

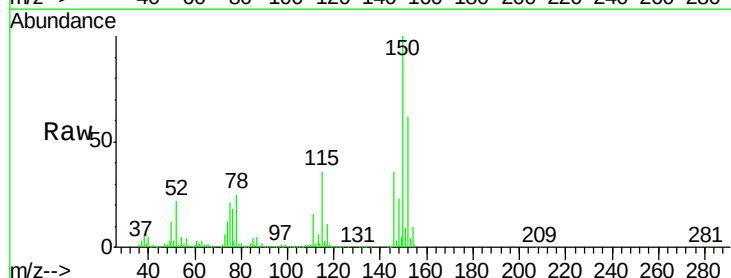
Tgt Ion:152 Resp: 717105

Ion Ratio Lower Upper

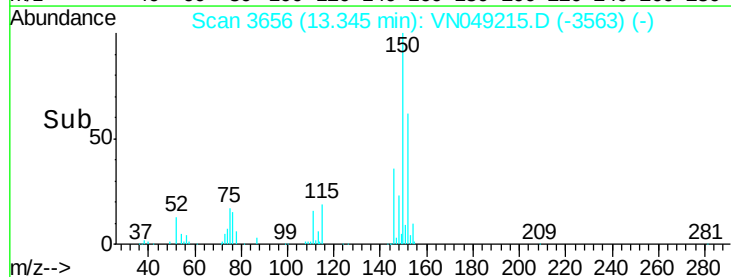
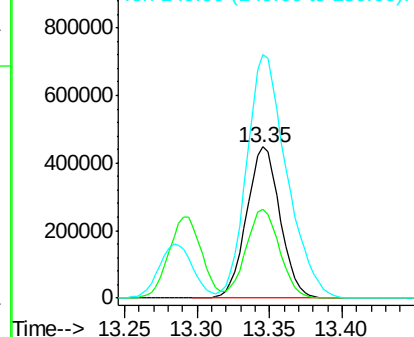
152 100

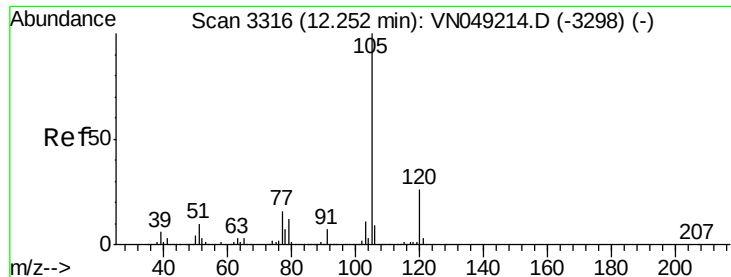
115 58.4 28.7 86.1

150 192.0 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: 92.91 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

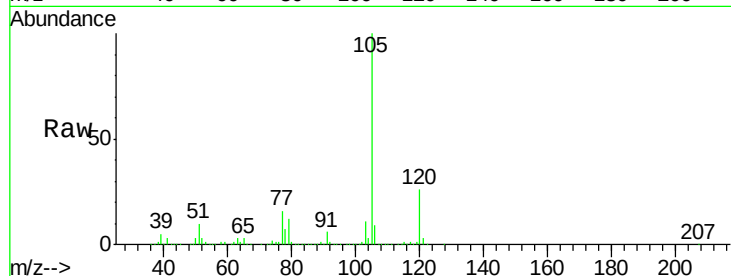
VSTDIC100

Tgt Ion:105 Resp: 6176976

Ion Ratio Lower Upper

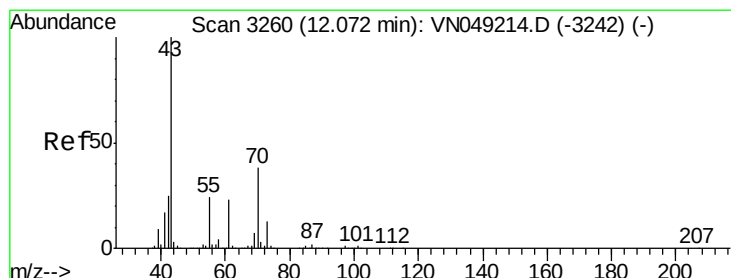
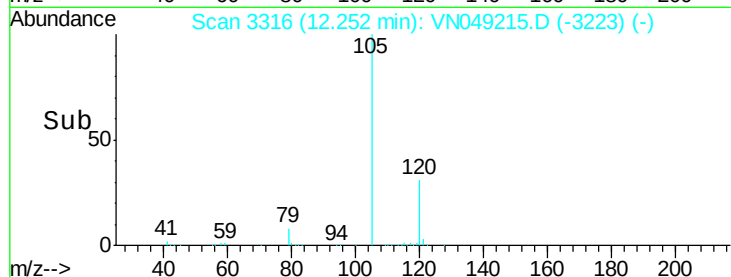
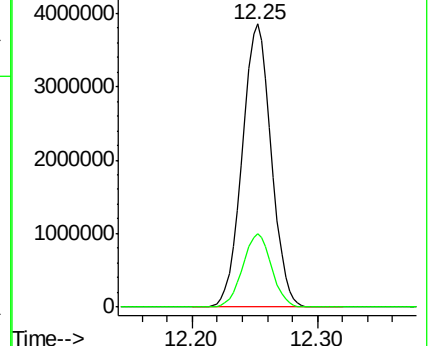
105 100

120 25.8 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: 97.83 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Tgt Ion: 43 Resp: 1932107

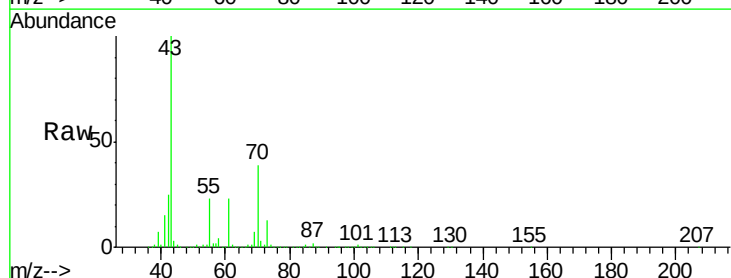
Ion Ratio Lower Upper

43 100

70 38.9 30.3 45.5

55 23.9 19.4 29.2

61 23.1 17.8 26.6

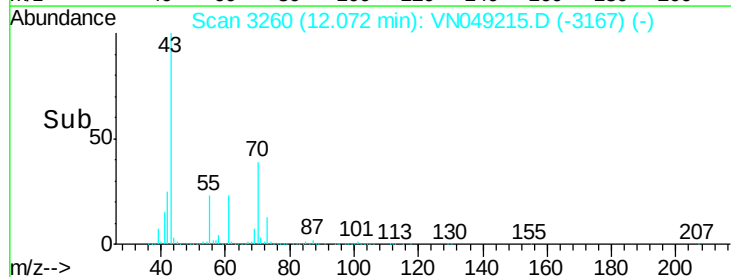
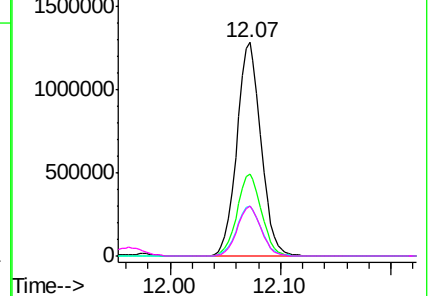


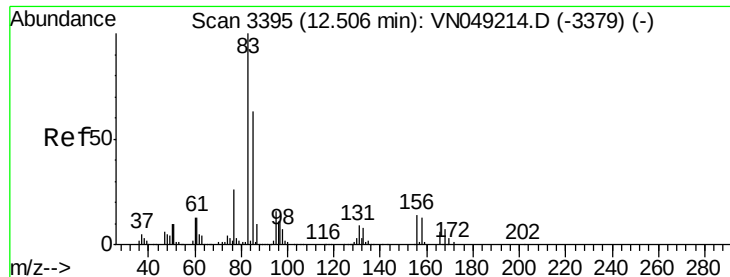
Abundance Ion 43.00 (42.70 to 43.70): V

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: 85.11 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

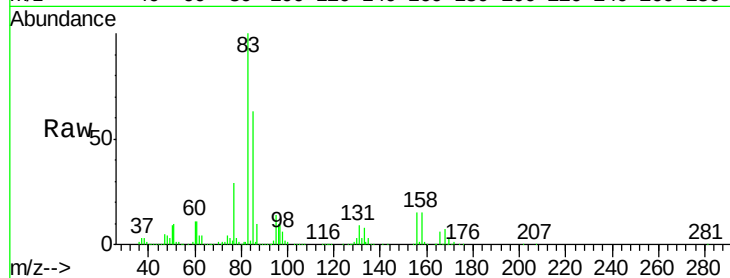
Tgt Ion: 83 Resp: 1381314

Ion Ratio Lower Upper

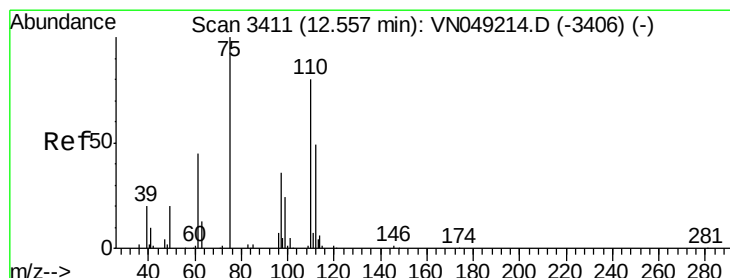
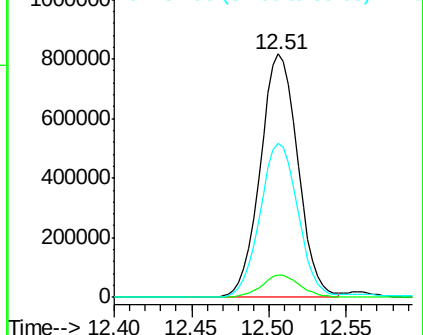
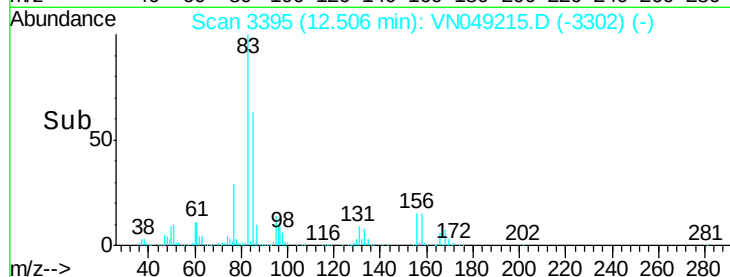
83 100

131 9.5 5.0 15.0

85 63.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049215.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 129.74 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049215.D

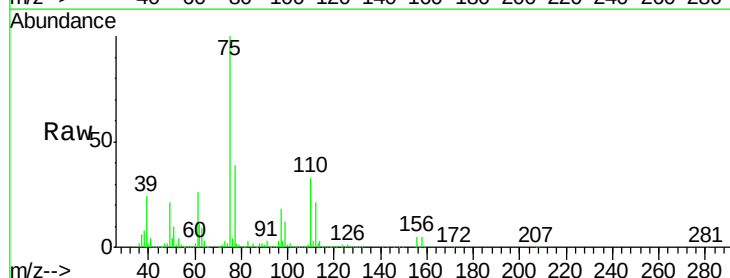
Acq: 13 Jun 2018 21:52

Tgt Ion: 75 Resp: 1791224

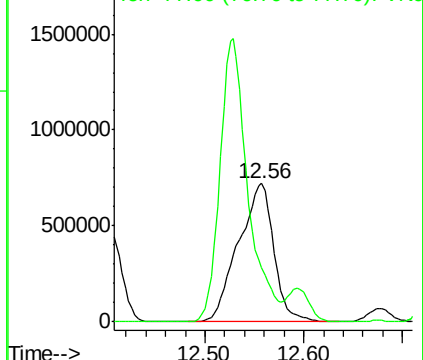
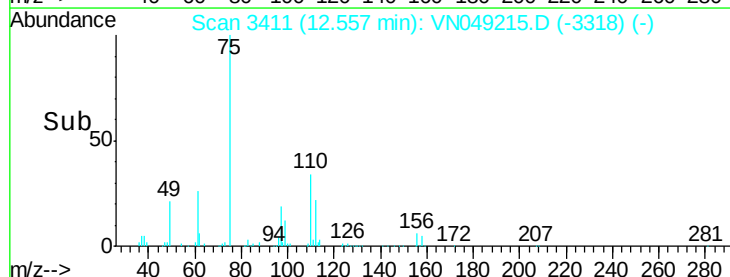
Ion Ratio Lower Upper

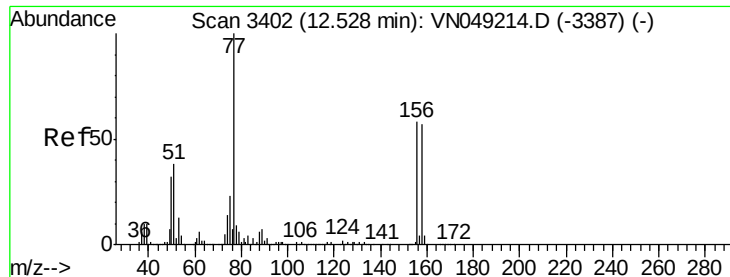
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049215.D (-3318) (-)





#77

Bromobenzene

Concen: 92.50 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

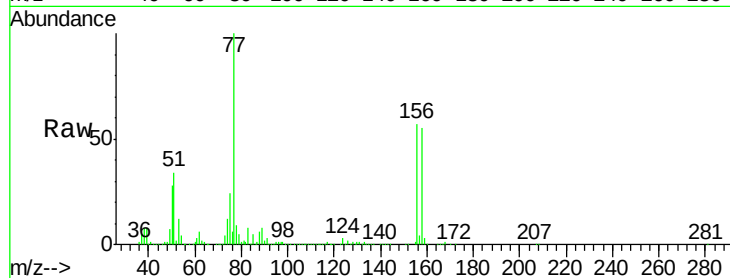
Tgt Ion:156 Resp: 1444473

Ion Ratio Lower Upper

156 100

77 202.7 100.8 302.4

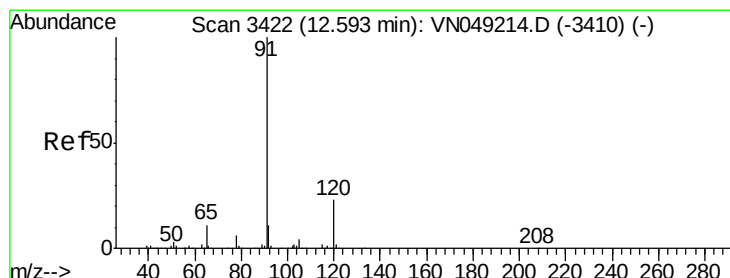
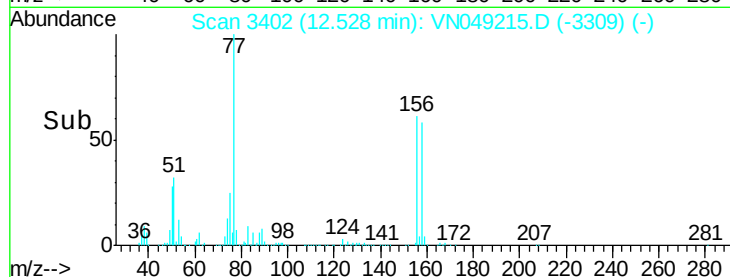
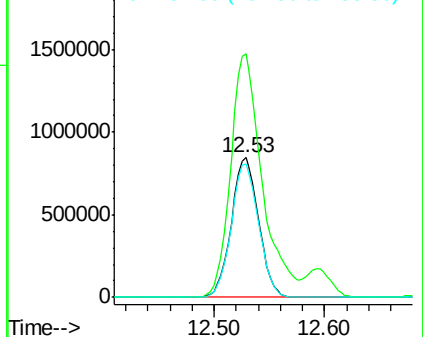
158 96.5 49.3 147.9



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: 96.91 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049215.D

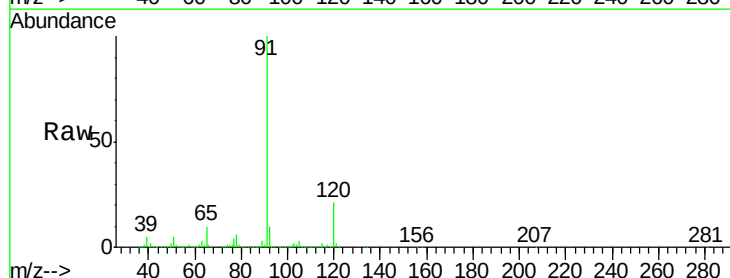
Acq: 13 Jun 2018 21:52

Tgt Ion: 91 Resp: 7359673

Ion Ratio Lower Upper

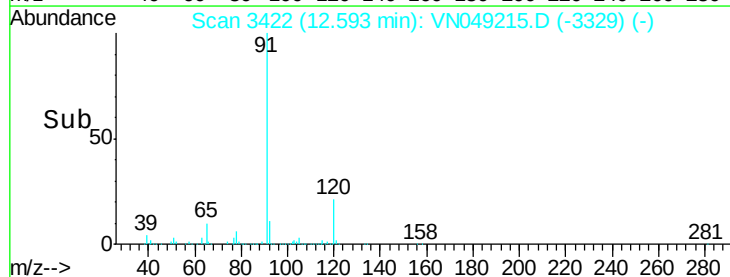
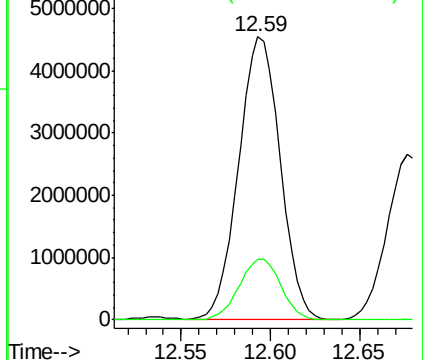
91 100

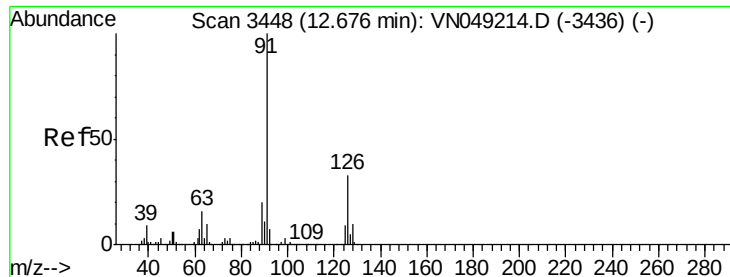
120 21.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 93.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

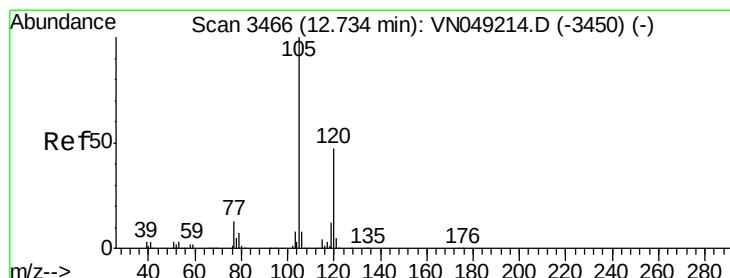
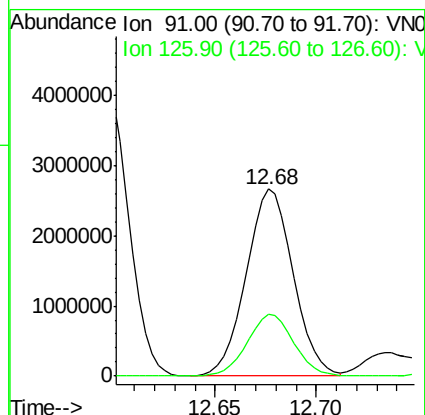
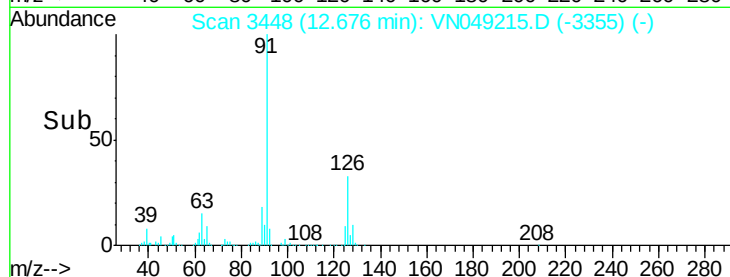
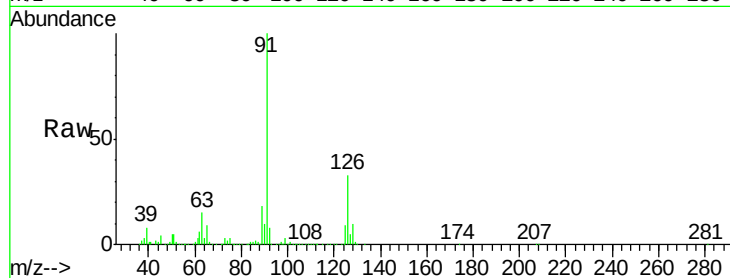
VSTDIC100

Tgt Ion: 91 Resp: 4325777

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 94.96 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049215.D

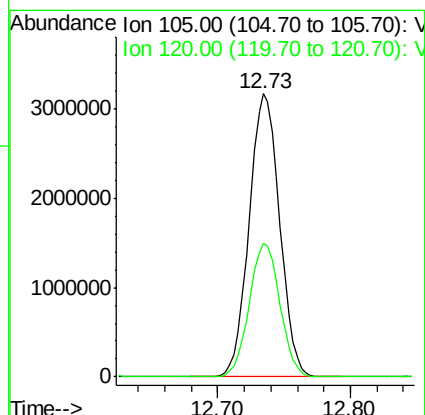
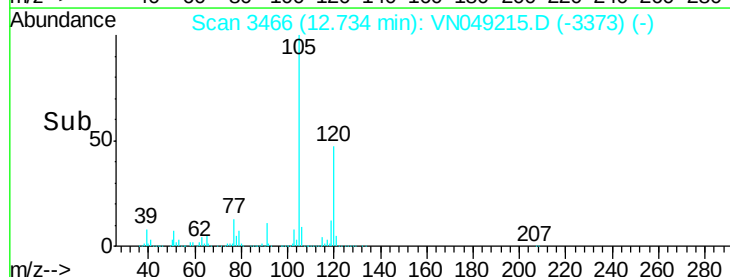
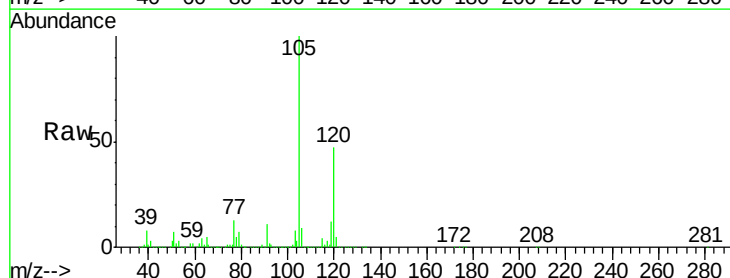
Acq: 13 Jun 2018 21:52

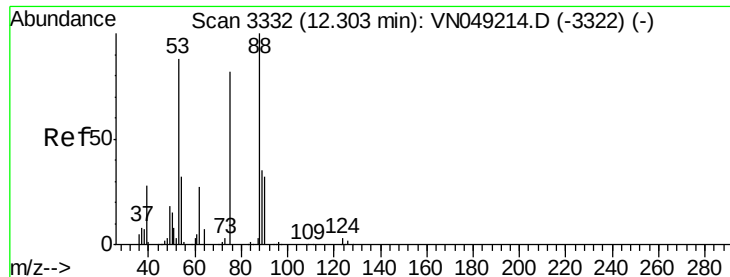
Tgt Ion: 105 Resp: 5044178

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 91.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

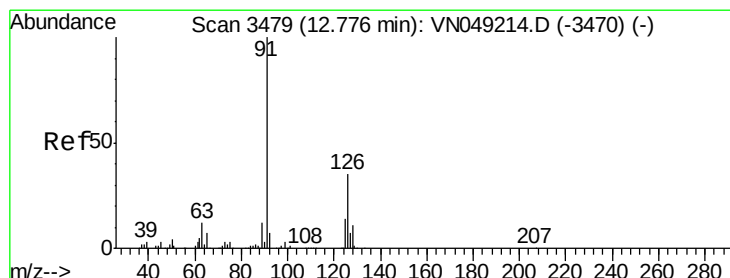
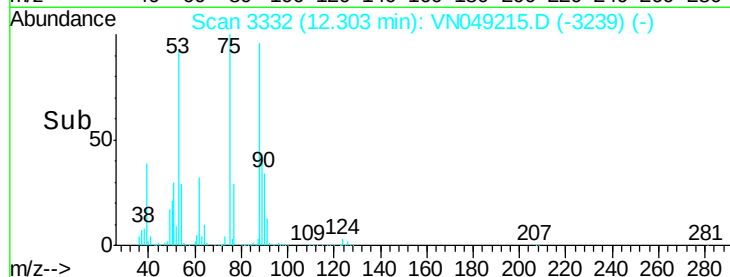
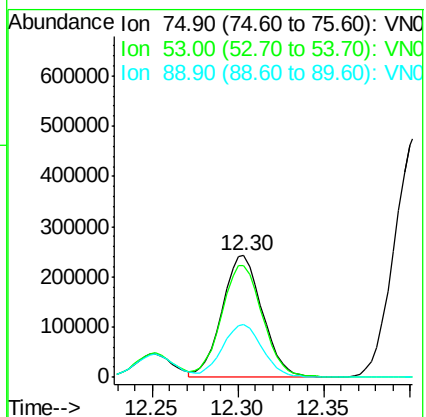
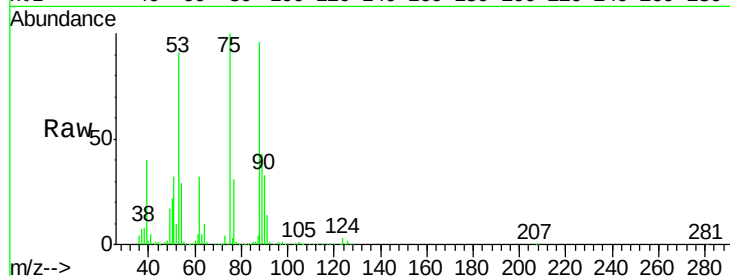
Tgt Ion: 75 Resp: 397307

Ion Ratio Lower Upper

75 100

53 93.5 82.7 124.1

89 43.4 36.5 54.7



#82

4-Chlorotoluene

Concen: 95.80 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049215.D

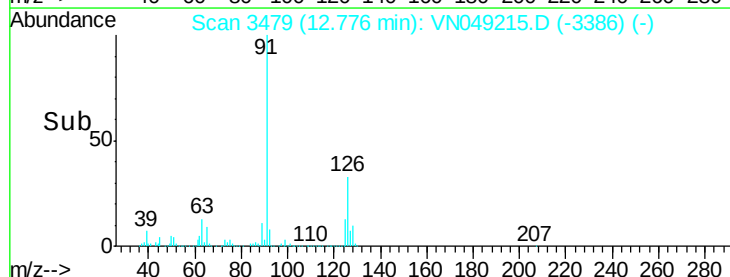
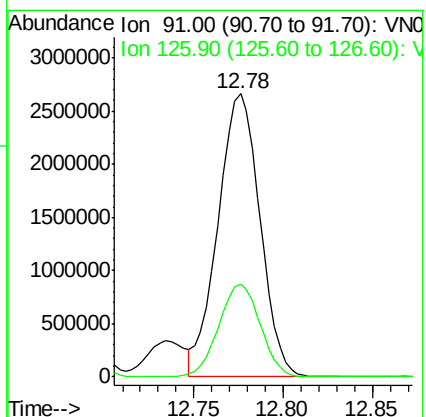
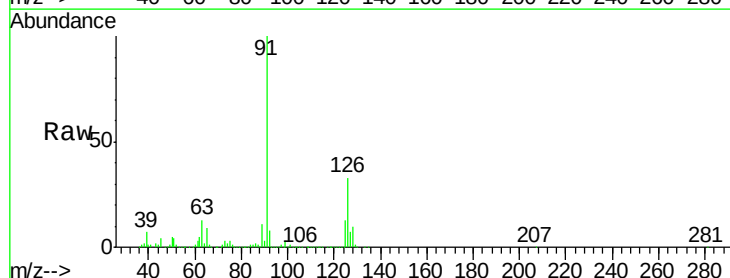
Acq: 13 Jun 2018 21:52

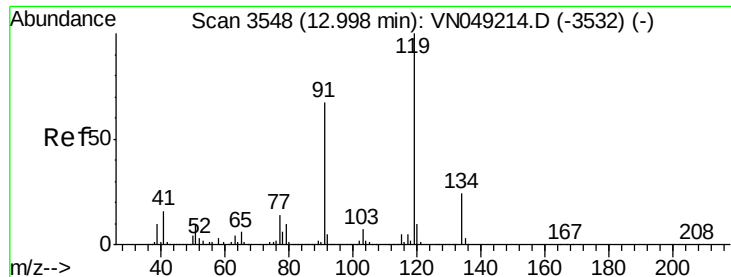
Tgt Ion: 91 Resp: 4349791

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1

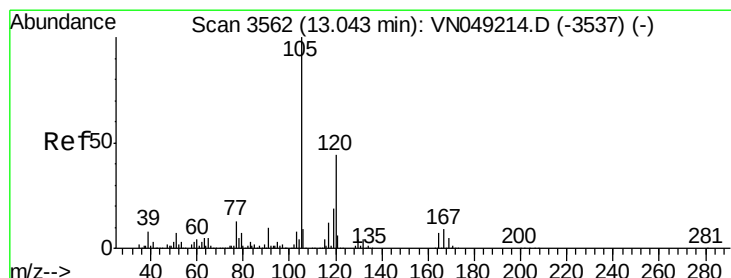
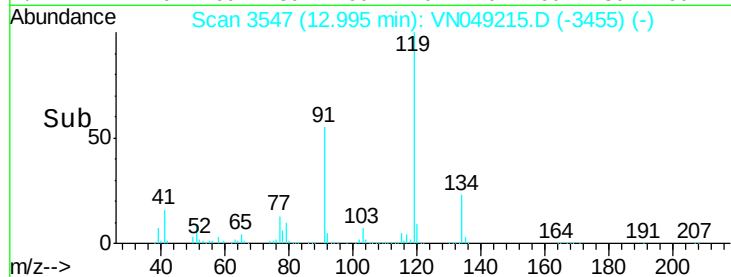
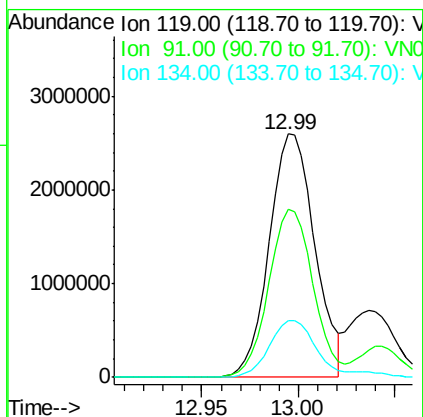
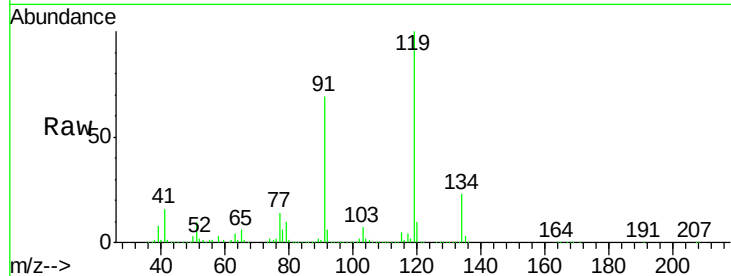




#83
 tert-Butylbenzene
 Concen: 95.06 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

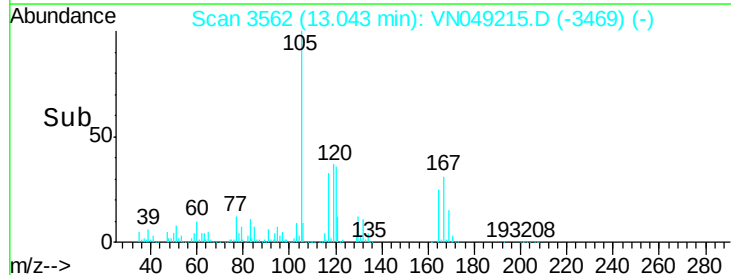
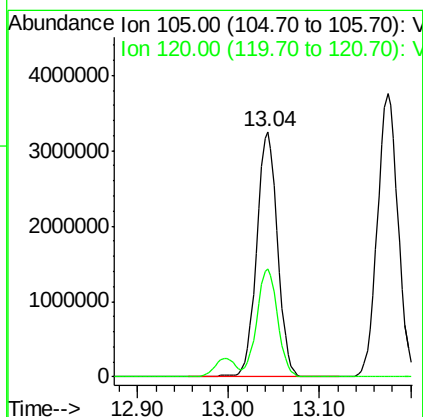
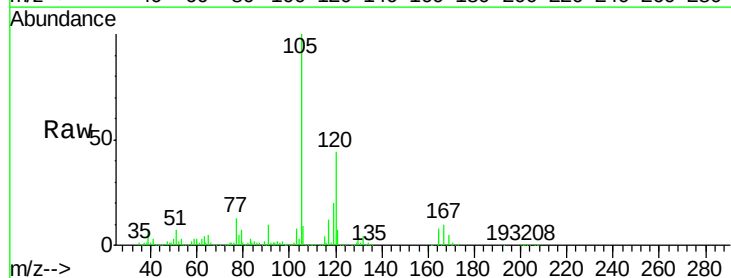
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

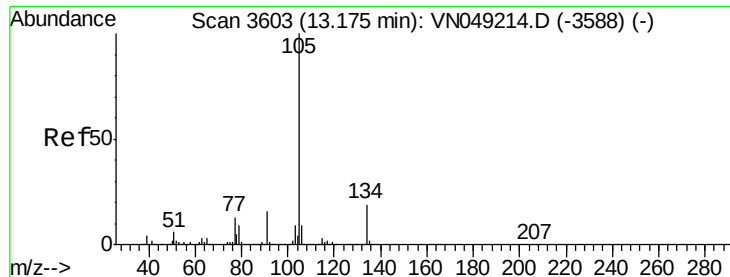
Tgt Ion:119 Resp: 4253947
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.7 101.0
 134 25.2 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 95.83 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion:105 Resp: 5140678
 Ion Ratio Lower Upper
 105 100
 120 44.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 96.48 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

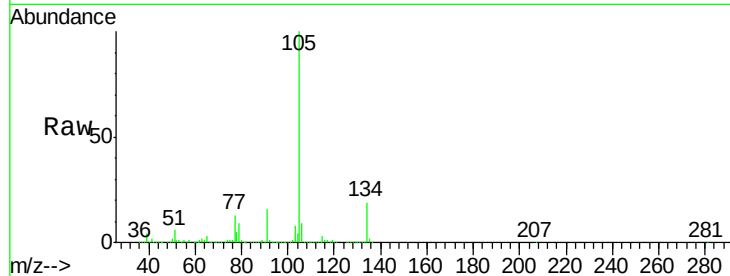
VSTDIC100

Tgt Ion:105 Resp: 5881773

Ion Ratio Lower Upper

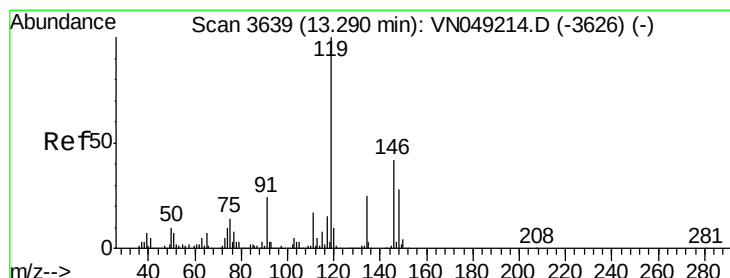
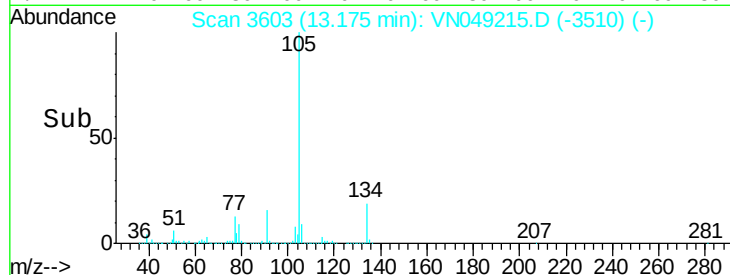
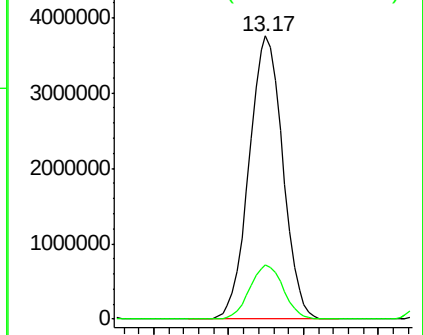
105 100

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: 98.43 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

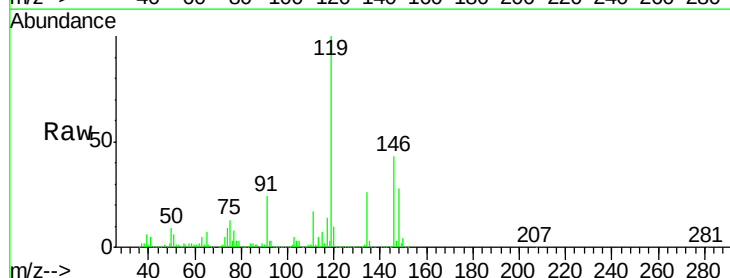
Tgt Ion:119 Resp: 4988993

Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.6

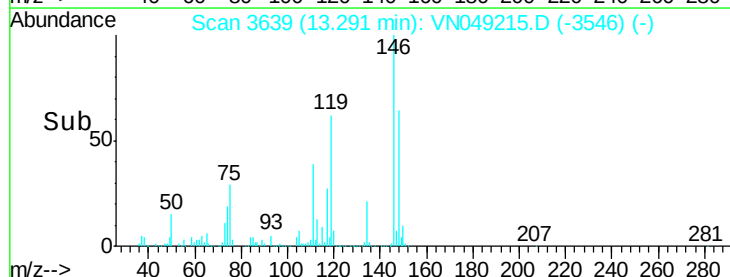
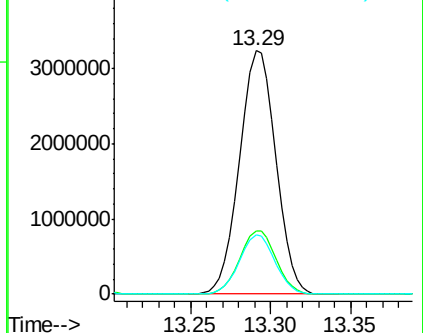
91 23.8 12.1 36.3

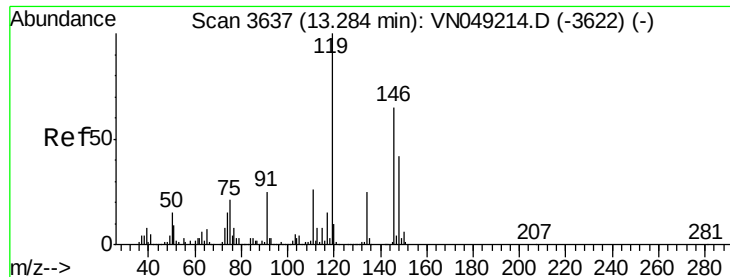


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 95.67 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

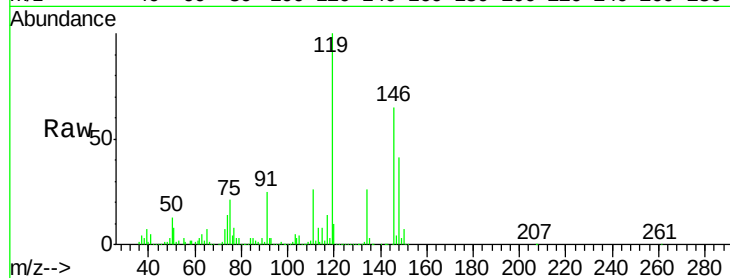
Tgt Ion:146 Resp: 2572524

Ion Ratio Lower Upper

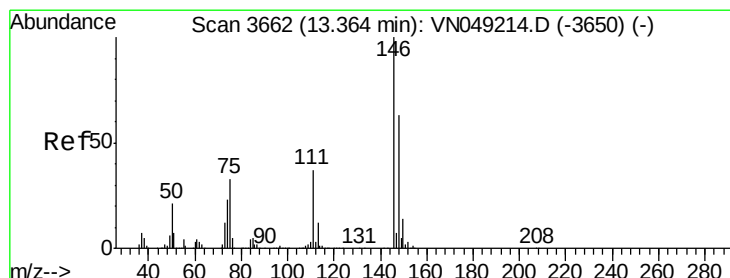
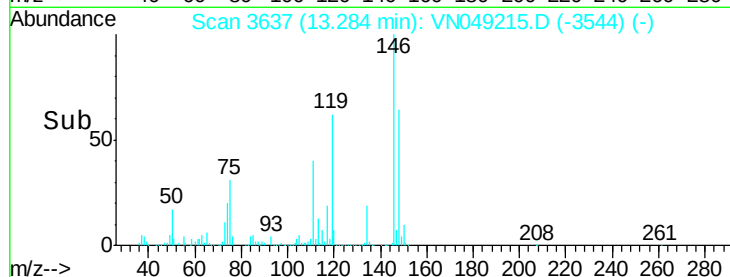
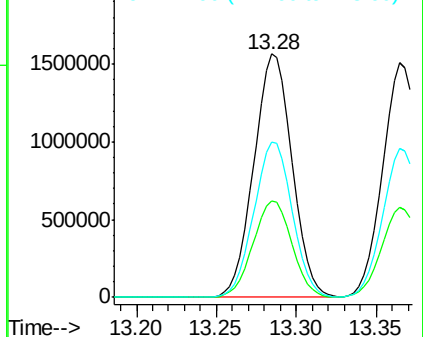
146 100

111 40.1 19.9 59.6

148 63.9 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 95.61 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

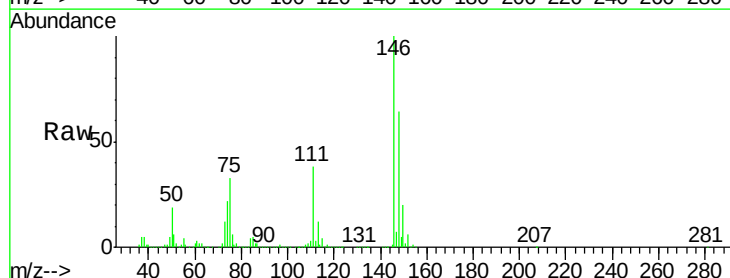
Tgt Ion:146 Resp: 2490602

Ion Ratio Lower Upper

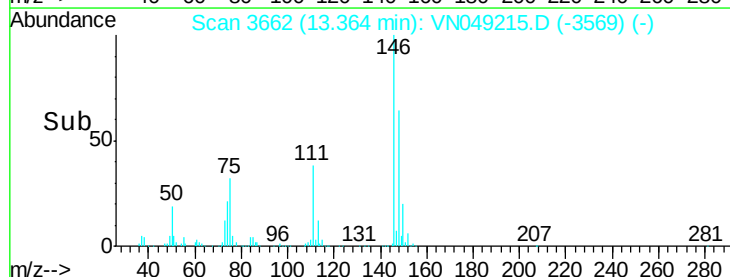
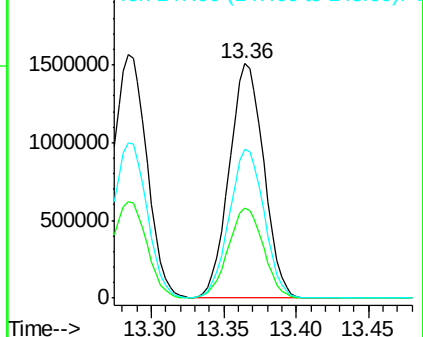
146 100

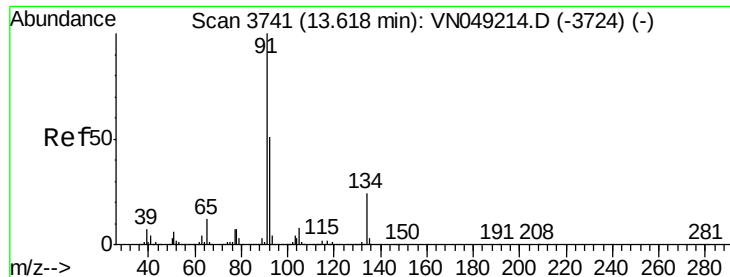
111 38.9 19.1 57.1

148 64.0 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

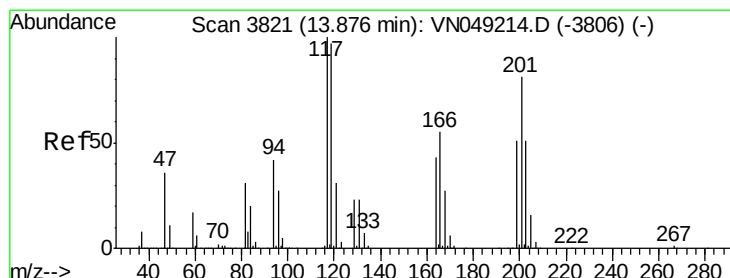
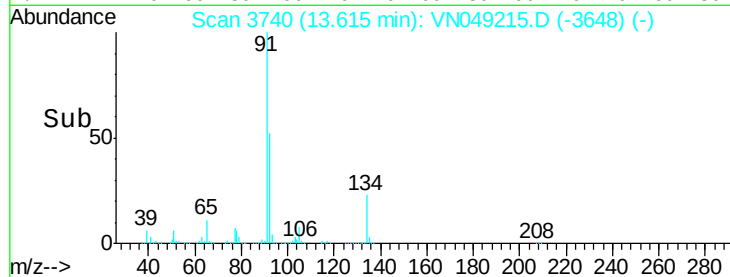
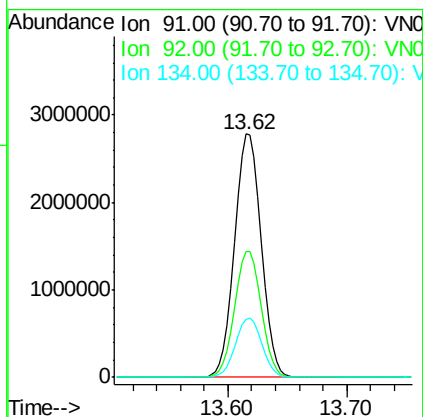
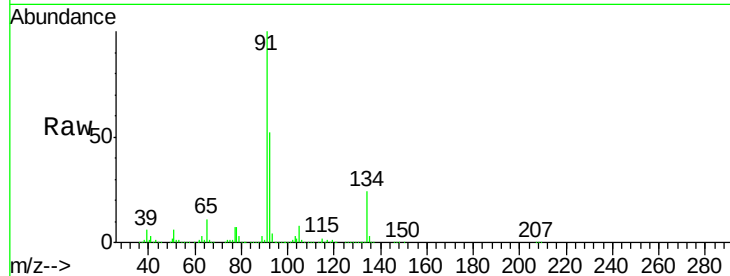




#89
n-Butylbenzene
Concen: 105.41 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

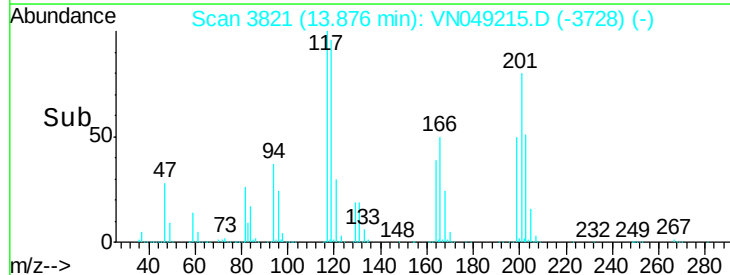
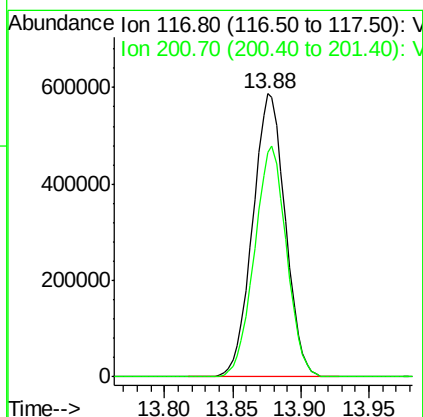
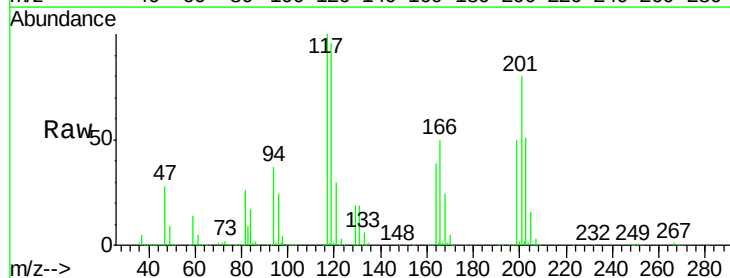
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

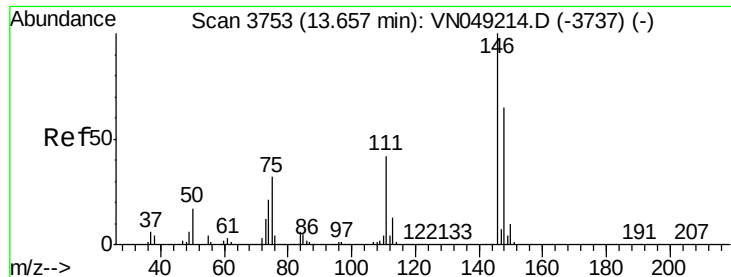
Tgt Ion: 91 Resp: 4320970
Ion Ratio Lower Upper
91 100
92 51.7 25.1 75.4
134 24.1 12.0 36.0



#90
Hexachloroethane
Concen: 89.85 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049215.D
Acq: 13 Jun 2018 21:52

Tgt Ion: 117 Resp: 974257
Ion Ratio Lower Upper
117 100
201 80.2 40.1 120.2

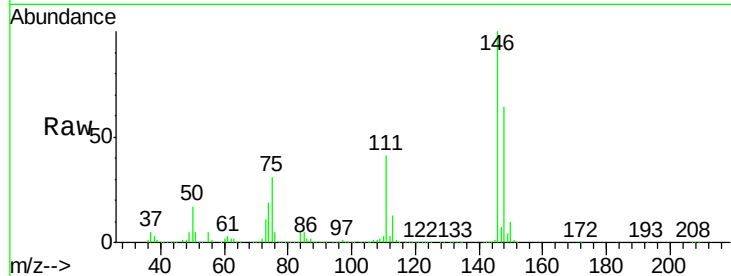




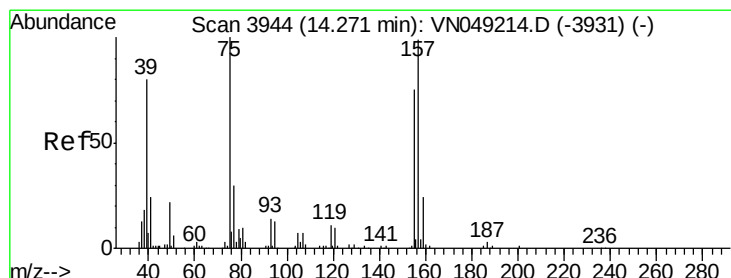
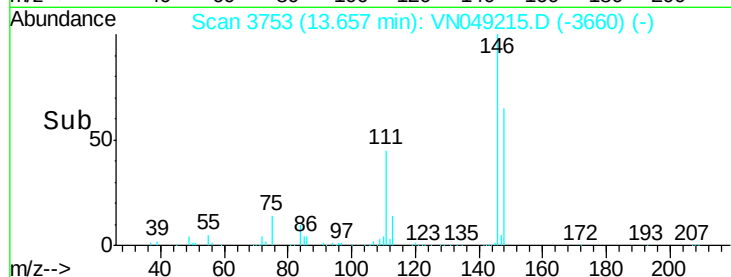
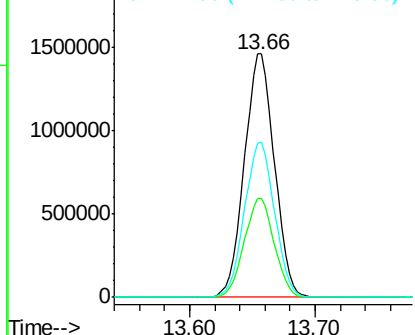
#91
 1,2-Dichlorobenzene
 Concen: 94.05 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 2429964
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.2
 148 63.8 32.0 96.2

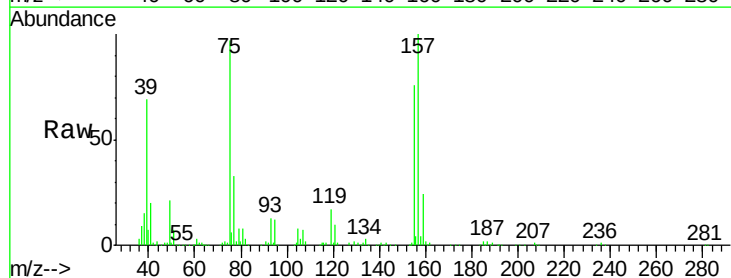


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

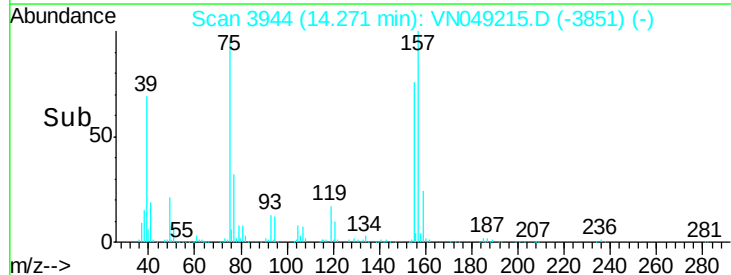
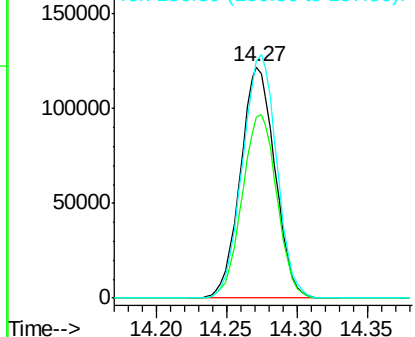


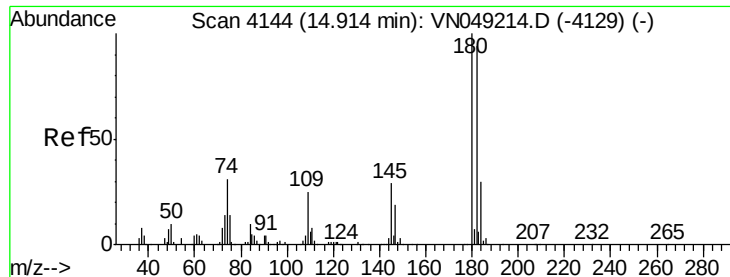
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 89.27 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion: 75 Resp: 209207
 Ion Ratio Lower Upper
 75 100
 155 79.6 38.8 116.3
 157 104.5 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

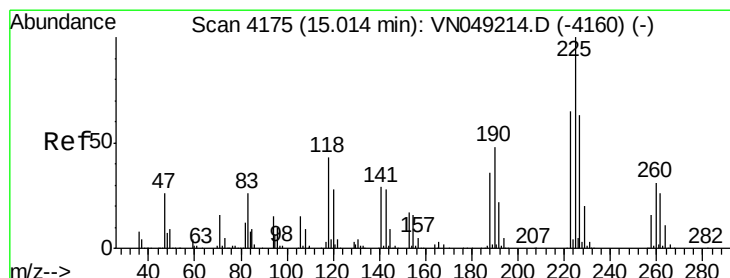
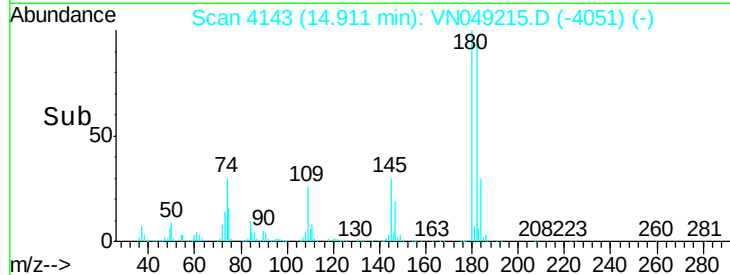
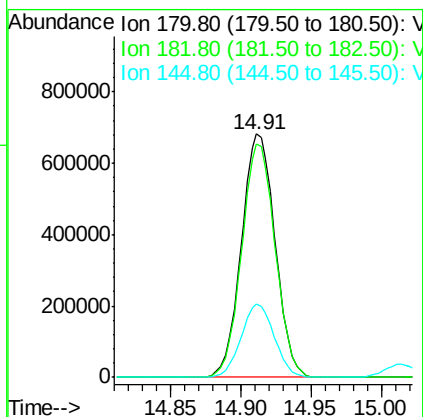
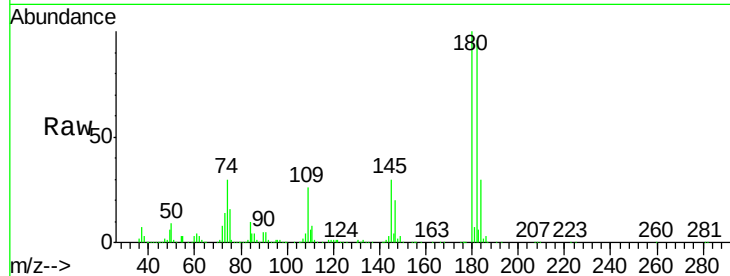




#93
 1,2,4-Trichlorobenzene
 Concen: 111.59 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

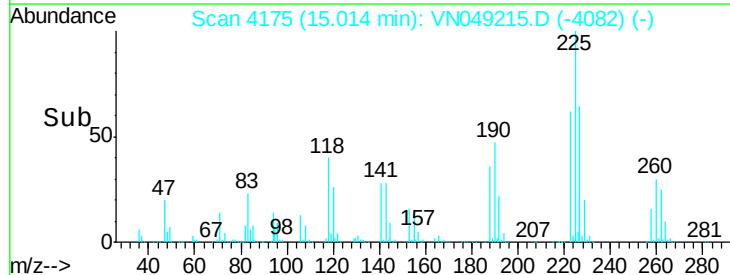
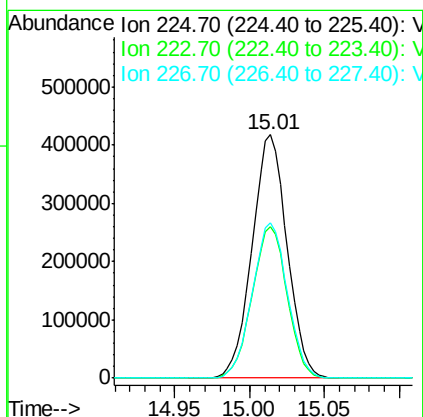
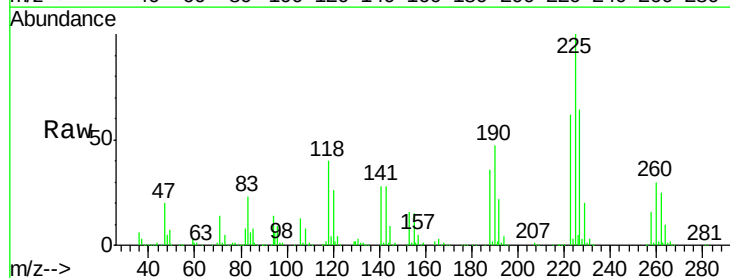
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

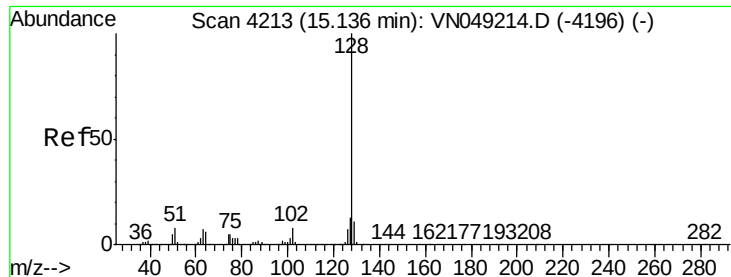
Tgt Ion:180 Resp: 1141301
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.9 140.8
 145 29.8 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 86.99 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049215.D
 Acq: 13 Jun 2018 21:52

Tgt Ion:225 Resp: 678437
 Ion Ratio Lower Upper
 225 100
 223 62.2 32.1 96.3
 227 63.9 31.8 95.3





#95

Naphthalene

Concen: 111.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

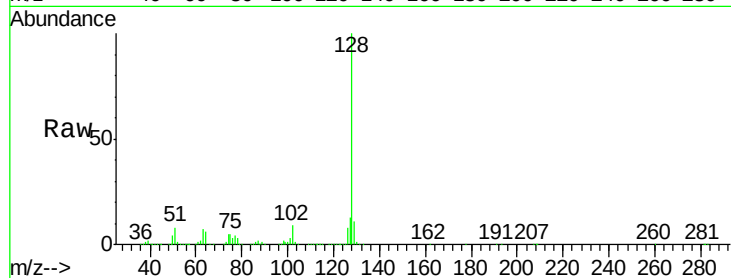
Tgt Ion:128 Resp: 2497253

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

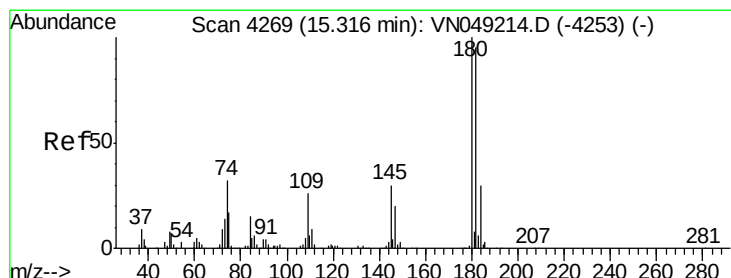
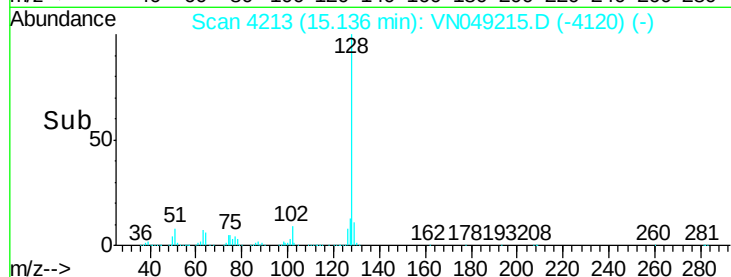
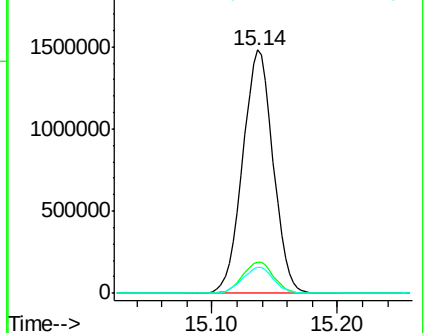
129 10.9 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 107.96 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049215.D

Acq: 13 Jun 2018 21:52

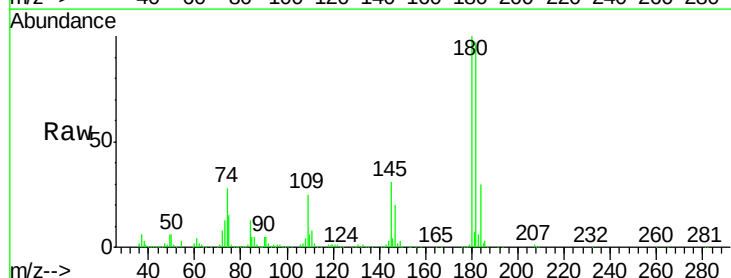
Tgt Ion:180 Resp: 1124810

Ion Ratio Lower Upper

180 100

182 95.5 47.3 141.8

145 31.2 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

