

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032919\
 Data File : VN054763.D
 Acq On : 29 Mar 2019 11:46
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 30 00:09:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:26:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	494945	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	795384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	696012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	316066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	616369	92.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.76%	
35) Dibromofluoromethane	7.59	113	497103	93.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.48%	
50) Toluene-d8	10.09	98	1895814	96.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.32%	
62) 4-Bromofluorobenzene	12.40	95	652885	99.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	450221	89.93	ug/l	100
3) Chloromethane	2.06	50	642162	92.77	ug/l	99
4) Vinyl Chloride	2.19	62	561228	90.28	ug/l	100
5) Bromomethane	2.56	94	319053	100.15	ug/l	97
6) Chloroethane	2.71	64	313909	90.43	ug/l	100
7) Trichlorofluoromethane	3.02	101	696884	91.19	ug/l	100
8) Diethyl Ether	3.41	74	229313	93.18	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	3.75	101	361642	95.72	ug/l	93
10) Methyl Iodide	3.94	142	568832	103.28	ug/l #	88
11) Tert butyl alcohol	4.82	59	181155	515.96	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	359927	92.51	ug/l #	75
13) Acrolein	3.61	56	161814	520.69	ug/l	96
14) Allyl chloride	4.32	41	915036	96.38	ug/l #	90
15) Acrylonitrile	4.99	53	953130	493.29	ug/l	99
16) Acetone	3.82	43	733122	460.78	ug/l #	82
17) Carbon Disulfide	4.04	76	1237217	98.05	ug/l	99
18) Methyl Acetate	4.33	43	418492	101.94	ug/l #	87
19) Methyl tert-butyl Ether	5.05	73	1316539	96.74	ug/l	94
20) Methylene Chloride	4.55	84	510255	90.92	ug/l #	83
21) trans-1,2-Dichloroethene	5.03	96	481021	94.13	ug/l	85
22) Diisopropyl ether	5.96	45	1831483	96.63	ug/l #	92
23) Vinyl Acetate	5.90	43	6831806	530.44	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	960110	94.96	ug/l	98
25) 2-Butanone	6.84	43	1239038	526.83	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	699705	98.74	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	549257	95.14	ug/l	87
28) Bromochloromethane	7.19	49	485278	95.99	ug/l #	70
29) Tetrahydrofuran	7.22	42	798196	487.99	ug/l #	84
30) Chloroform	7.37	83	912585	94.66	ug/l	99
31) Cyclohexane	7.65	56	906280	100.45	ug/l	85
32) 1,1,1-Trichloroethane	7.57	97	777232	97.28	ug/l	96
36) 1,1-Dichloropropene	7.79	75	712196	98.10	ug/l	96
37) Ethyl Acetate	6.94	43	537815	100.84	ug/l	96
38) Carbon Tetrachloride	7.77	117	686636	95.39	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	795803	97.67	ug/l	89
40) Benzene	8.04	78	2074612	97.83	ug/l	99
41) Methacrylonitrile	7.18	41	315563	103.36	ug/l #	88
42) 1,2-Dichloroethane	8.13	62	725228	95.78	ug/l	97
43) Isopropyl Acetate	8.17	43	945996	107.12	ug/l #	94
44) Trichloroethene	8.84	130	539068	97.92	ug/l	91
45) 1,2-Dichloropropane	9.12	63	580473	95.99	ug/l	98
46) Dibromomethane	9.21	93	334787	98.42	ug/l	88
47) Bromodichloromethane	9.40	83	721892	102.11	ug/l	97
48) Methyl methacrylate	9.20	41	495913	103.59	ug/l #	86
49) 1,4-Dioxane	9.20	88	100038	2106.11	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	2631880	530.08	ug/l	93
52) Toluene	10.16	92	1248759	98.96	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	744989	112.03	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	867324	109.18	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	453284	96.60	ug/l	96
56) Ethyl methacrylate	10.43	69	664903	108.02	ug/l #	84
57) 1,3-Dichloropropane	10.71	76	808966	100.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1359779	501.96	ug/l	89
59) 2-Hexanone	10.75	43	1710007	538.00	ug/l	91
60) Dibromochloromethane	10.90	129	518432	109.07	ug/l	99
61) 1,2-Dibromoethane	11.01	107	456836	101.88	ug/l	99
64) Tetrachloroethene	10.63	164	497272	93.10	ug/l	96
65) Chlorobenzene	11.43	112	1334678	97.94	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	510974	100.18	ug/l	100
67) Ethyl Benzene	11.51	91	2436872	99.10	ug/l	97
68) m/p-Xylenes	11.62	106	1802376	198.06	ug/l	95
69) o-Xylene	11.95	106	877418	98.33	ug/l	96
70) Styrene	11.96	104	1485350	104.10	ug/l	97
71) Bromoform	12.13	173	337890	113.08	ug/l	99
73) Isopropylbenzene	12.25	105	2308711	89.37	ug/l	98
74) N-amyl acetate	12.07	43	798910	99.26	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	575263	102.82	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	709833	158.53	ug/l #	100
77) Bromobenzene	12.53	156	579905	93.01	ug/l	85
78) n-propylbenzene	12.59	91	2622638	92.36	ug/l	97
79) 2-Chlorotoluene	12.67	91	1576780	89.76	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	1914153	90.30	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	155180	109.93	ug/l	89
82) 4-Chlorotoluene	12.77	91	1610521	94.39	ug/l	95
83) tert-Butylbenzene	12.99	119	1627816	101.25	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1921587	95.15	ug/l	97
85) sec-Butylbenzene	13.17	105	2091688	90.84	ug/l	97
86) p-Isopropyltoluene	13.29	119	1895124	93.31	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	994558	95.28	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	966299	94.38	ug/l	99
89) n-Butylbenzene	13.61	91	1632362	98.51	ug/l	97
90) Hexachloroethane	13.87	117	337178	97.78	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	944545	89.66	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88327	100.01	ug/l	85

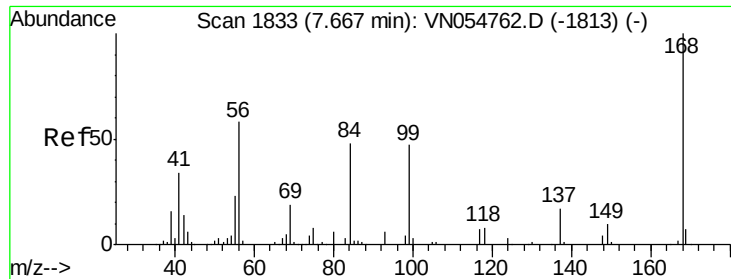
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	532861	104.91	ug/l	99
94) Hexachlorobutadiene	15.01	225	296551	100.72	ug/l	99
95) Naphthalene	15.13	128	1214596	106.62	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	515829	100.56	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

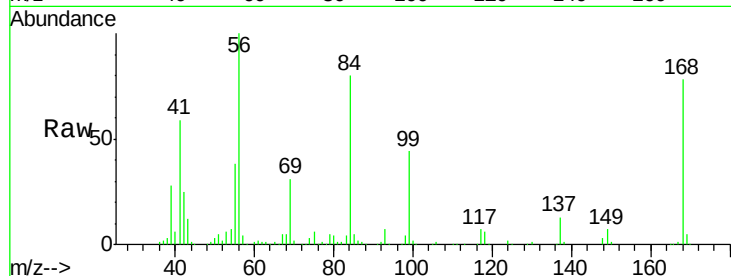
ClientSampleId :

Tot Ion:168 Resp: 494945

Ion Ratio Lower Upper

168 100

99 55.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

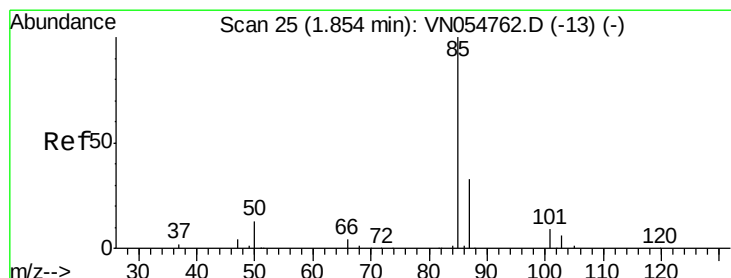
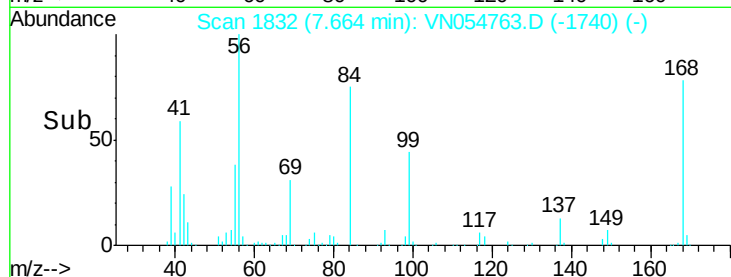
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 89.93 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054763.D

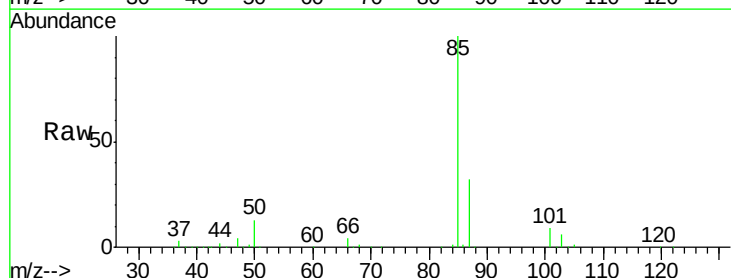
Acq: 29 Mar 2019 11:46

Tgt Ion: 85 Resp: 450221

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

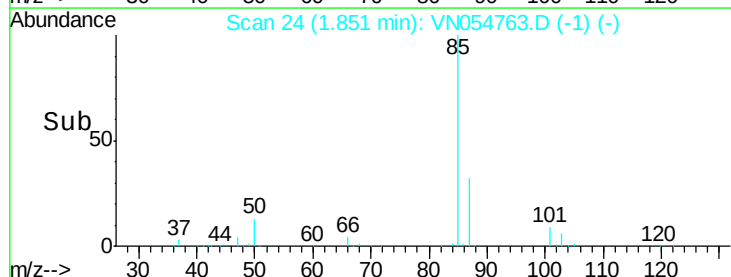
300000

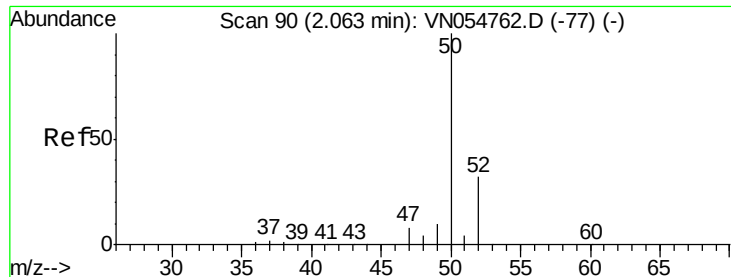
200000

100000

0

Time-->





#3

Chloromethane

Concen: 92.77 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

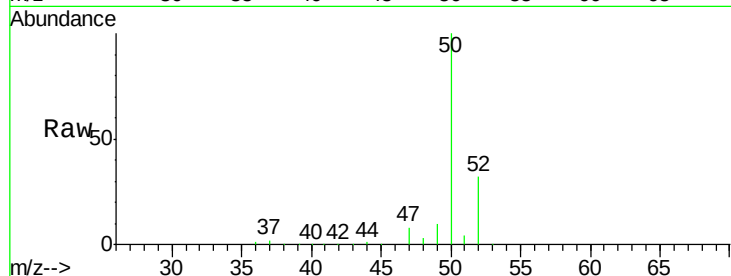
ClientSampleId :

Tot Ion: 50 Resp: 642162

Ion Ratio Lower Upper

50 100

52 32.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

400000

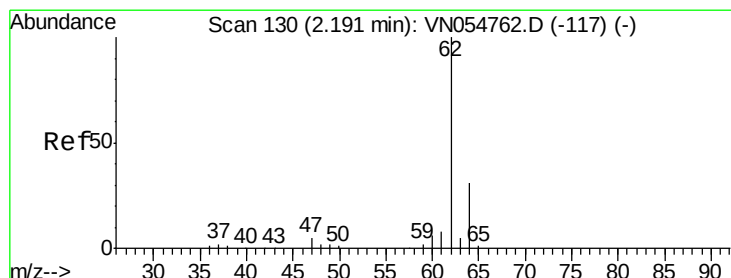
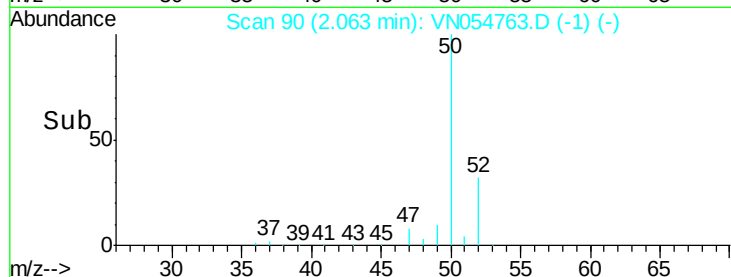
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 90.28 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054763.D

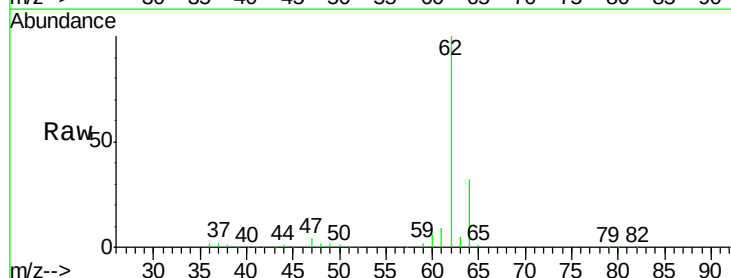
Acq: 29 Mar 2019 11:46

Tgt Ion: 62 Resp: 561228

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

400000

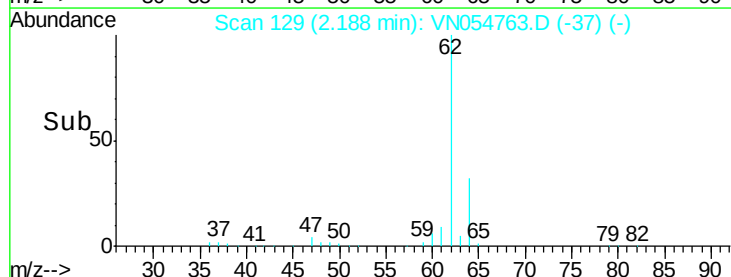
300000

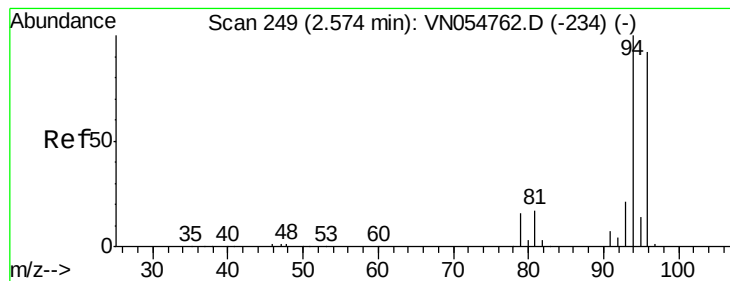
200000

100000

0

Time-->





#5

Bromomethane

Concen: 100.15 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

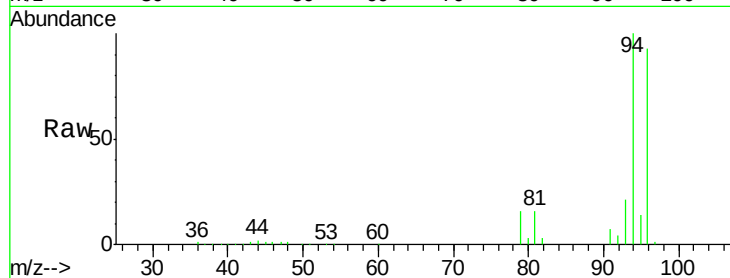
ClientSampleId :

Tot Ion: 94 Resp: 319053

Ion Ratio Lower Upper

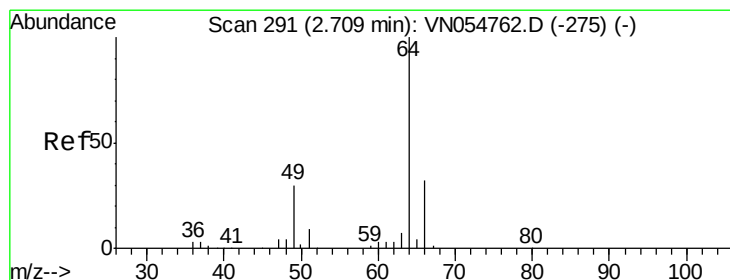
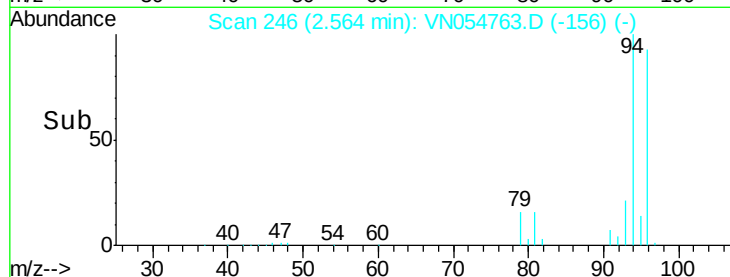
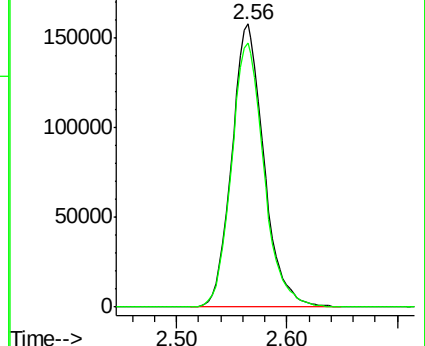
94 100

96 93.2 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 90.43 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054763.D

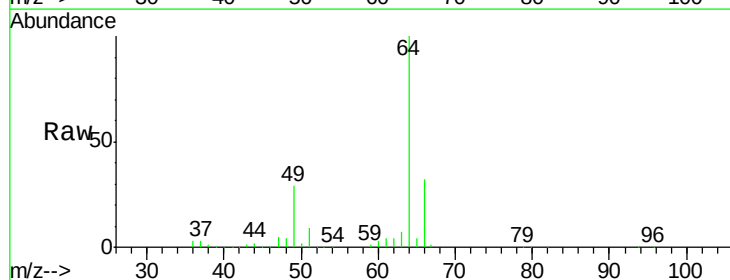
Acq: 29 Mar 2019 11:46

Tgt Ion: 64 Resp: 313909

Ion Ratio Lower Upper

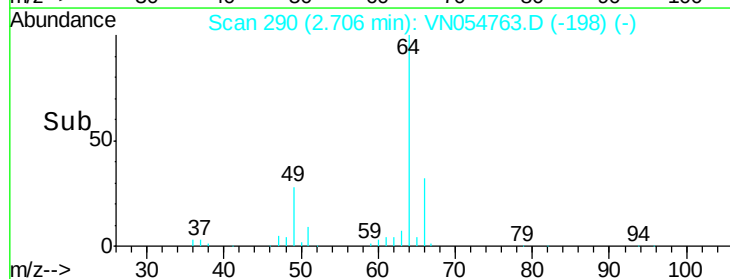
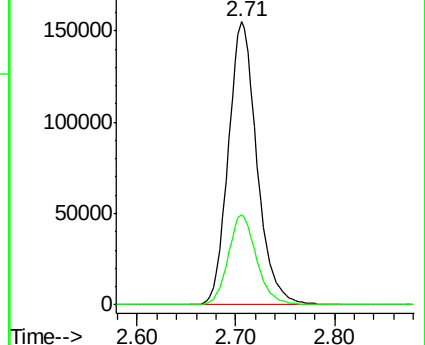
64 100

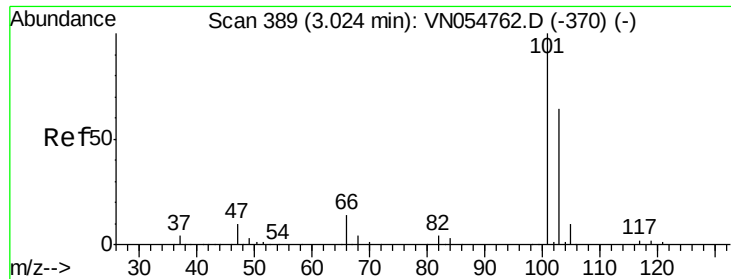
66 32.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



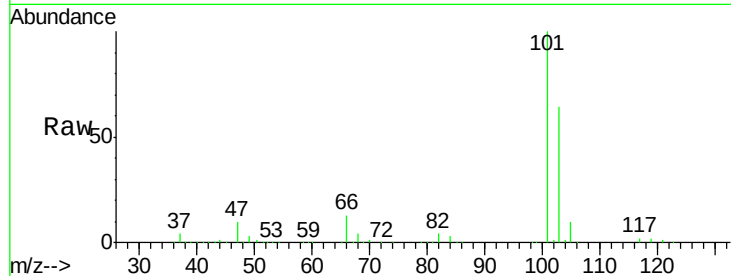


#7

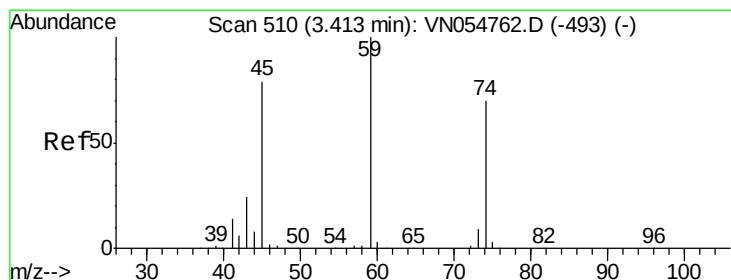
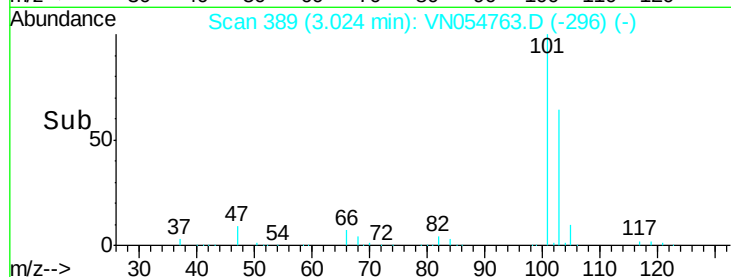
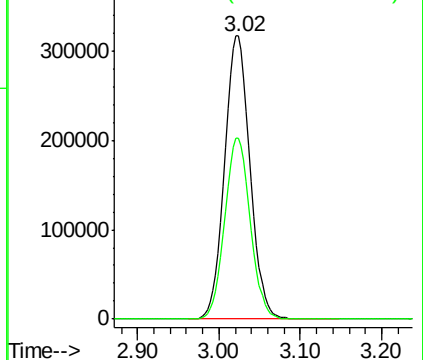
Trichlorofluoromethane
Concen: 91.19 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 696884
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2



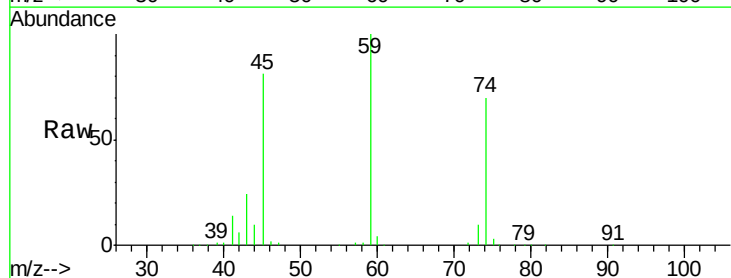
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



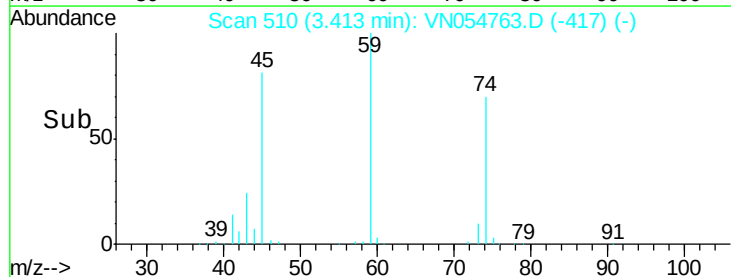
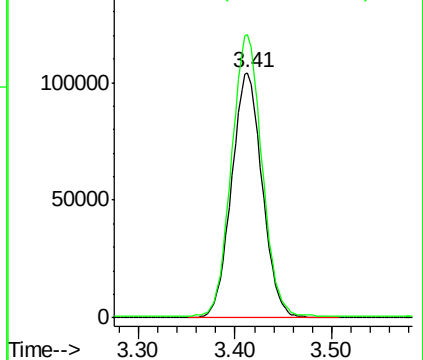
#8

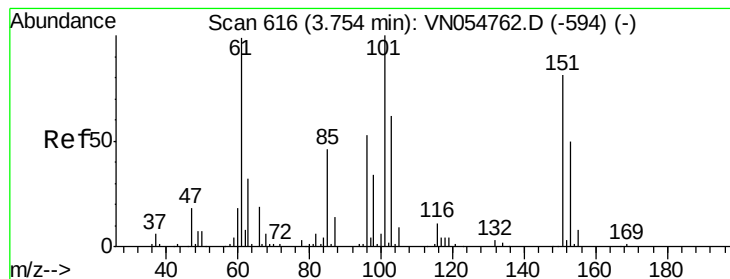
Diethyl Ether
Concen: 93.18 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 74 Resp: 229313
Ion Ratio Lower Upper
74 100
45 113.7 43.1 129.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 95.72 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

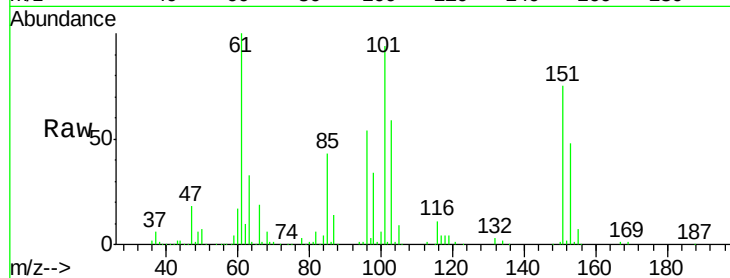
Tot Ion:101 Resp: 361642

Ion Ratio Lower Upper

101 100

85 45.8 32.4 48.6

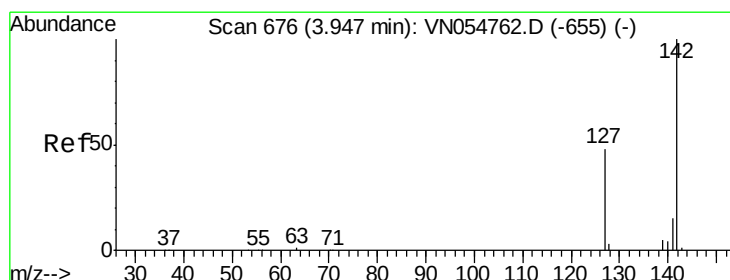
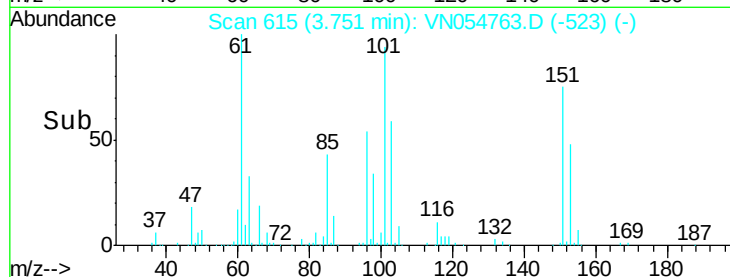
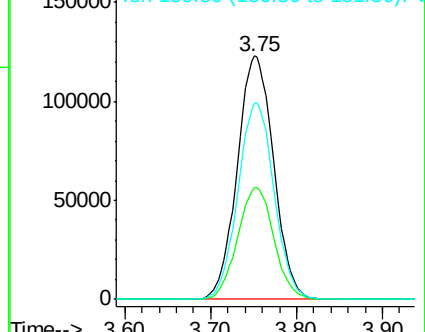
151 80.2 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 103.28 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

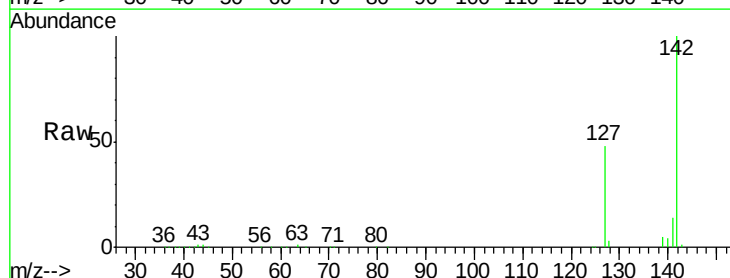
Tgt Ion:142 Resp: 568832

Ion Ratio Lower Upper

142 100

127 47.5 30.3 45.5#

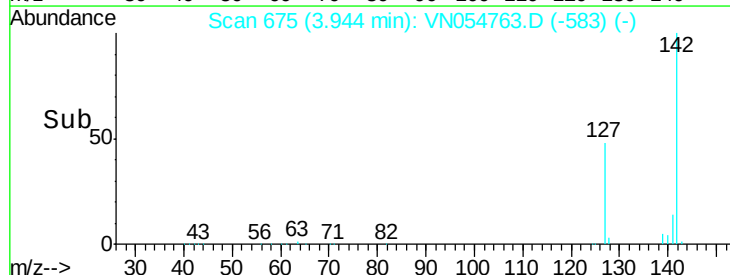
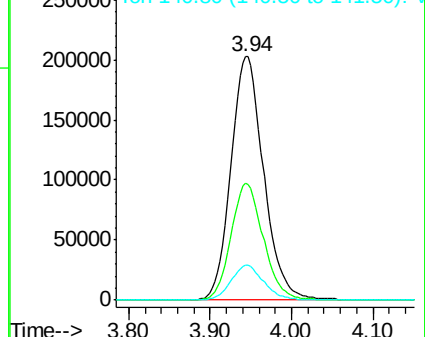
141 14.4 11.2 16.8

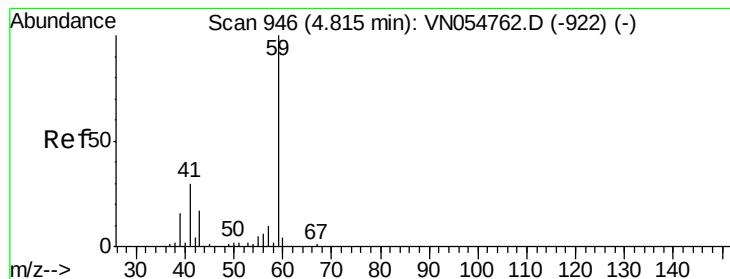


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



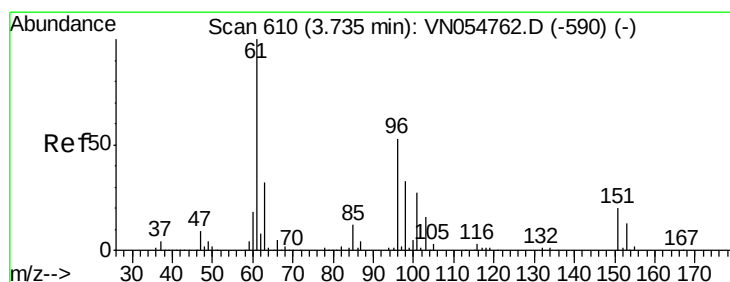
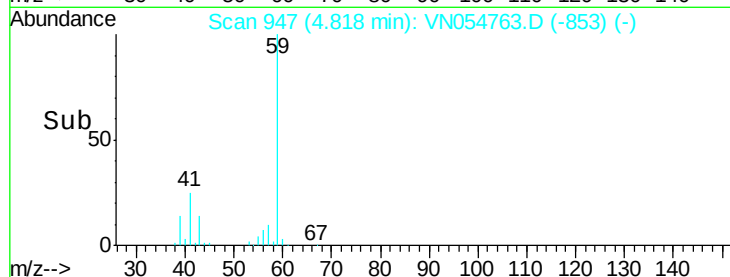
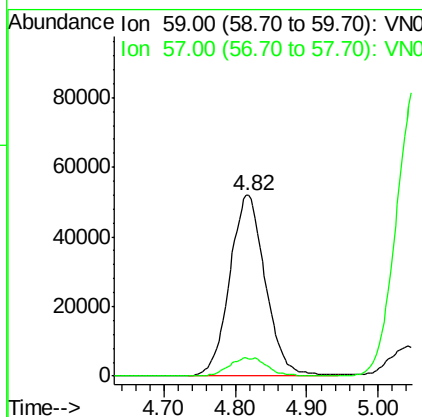
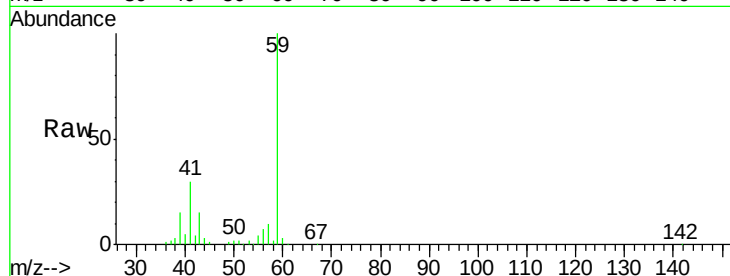


#11

Tert butyl alcohol
 Concen: 515.96 ug/l
 RT: 4.82 min Scan# 947
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Instrument :
 MSVOA_N
 ClientSampled :

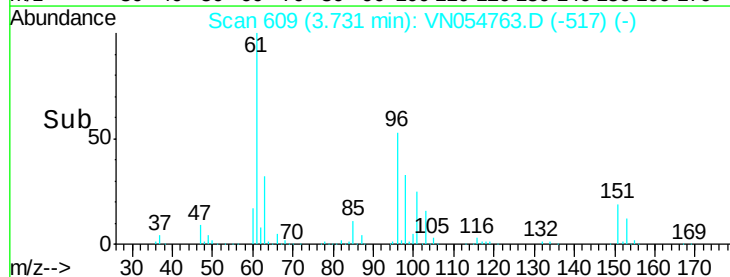
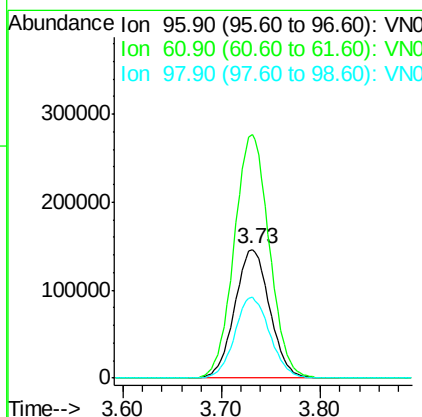
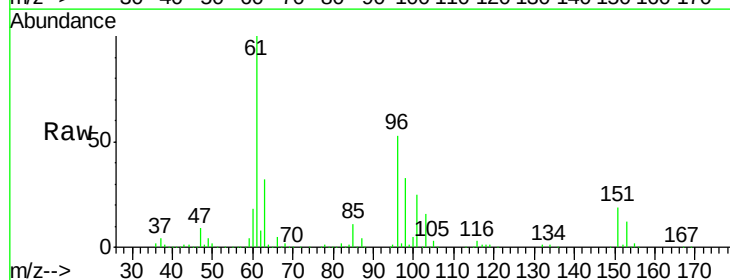
Tot Ion: 59 Resp: 181155
 Ion Ratio Lower Upper
 59 100
 57 6.2 9.0 13.6#

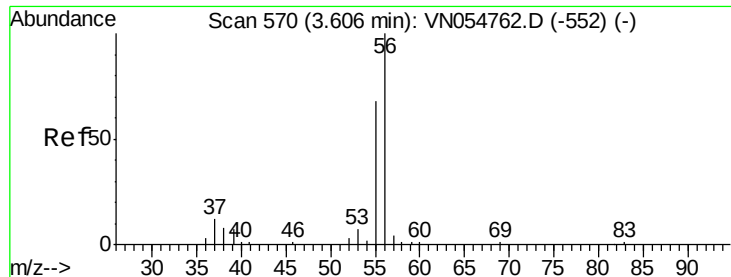


#12

1,1-Dichloroethene
 Concen: 92.51 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 96 Resp: 359927
 Ion Ratio Lower Upper
 96 100
 61 188.9 116.5 174.7#
 98 62.4 51.0 76.4





#13

Acrolein

Concen: 520.69 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

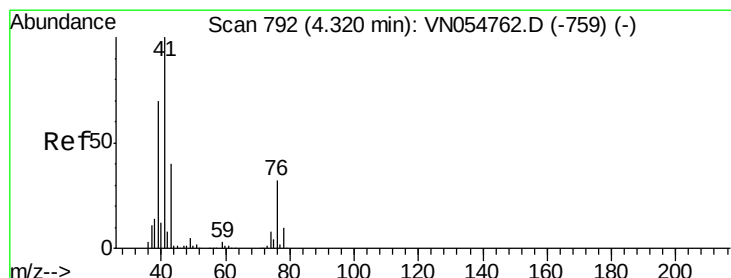
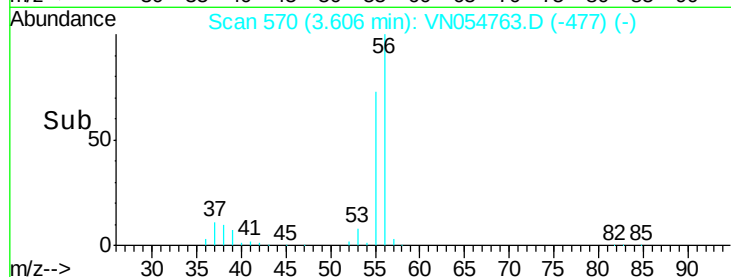
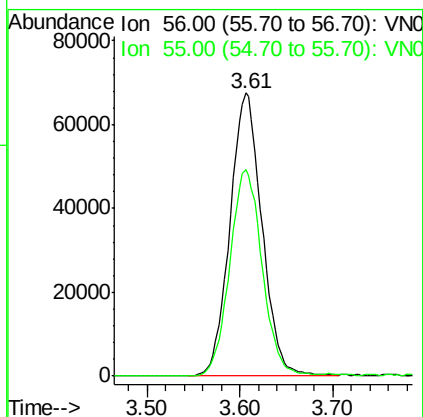
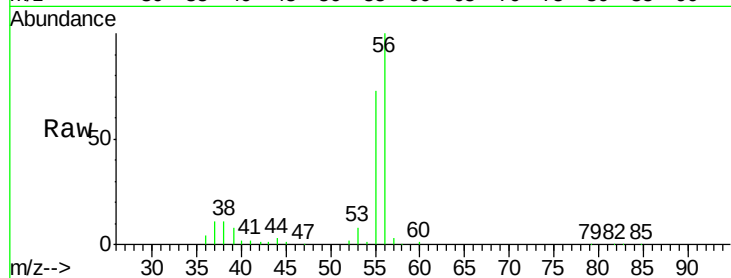
ClientSampleId :

Tot Ion: 56 Resp: 161814

Ion Ratio Lower Upper

56 100

55 73.9 56.7 85.1



#14

Allyl chloride

Concen: 96.38 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

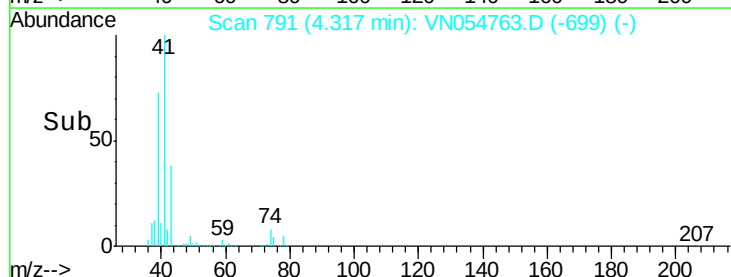
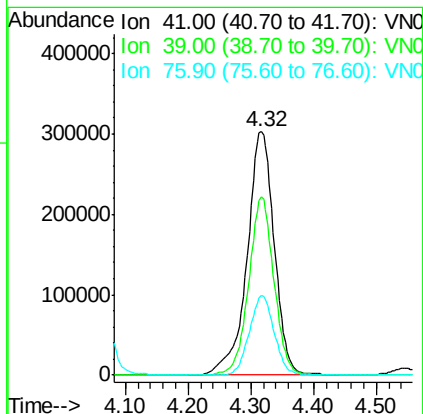
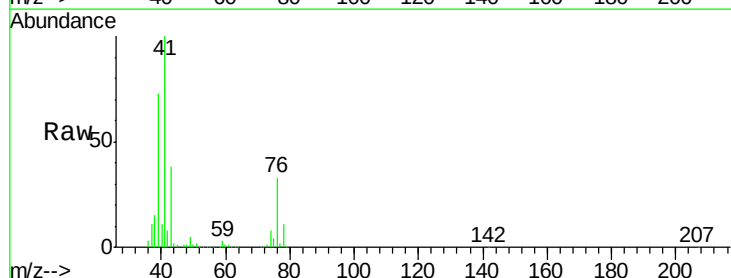
Tgt Ion: 41 Resp: 915036

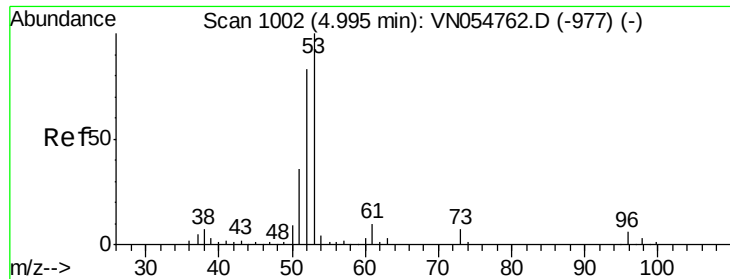
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 29.7 31.7 47.5#

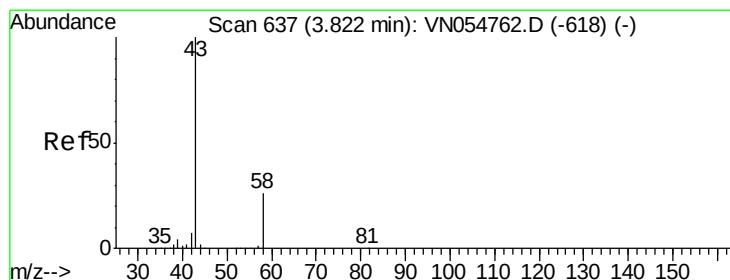
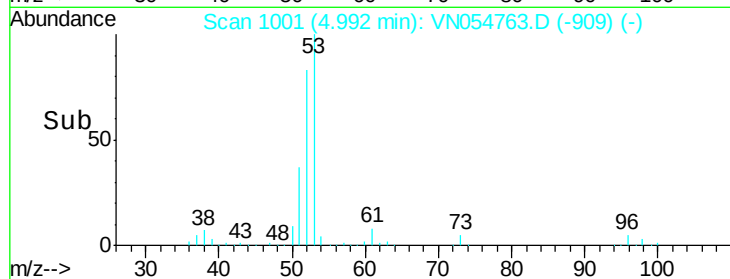
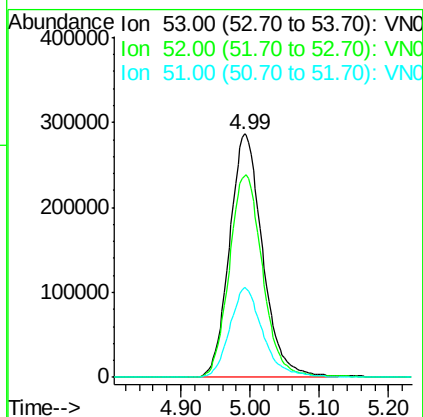
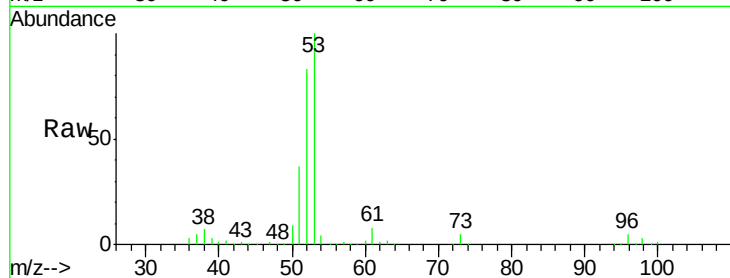




#15
 Acrylonitrile
 Concen: 493.29 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

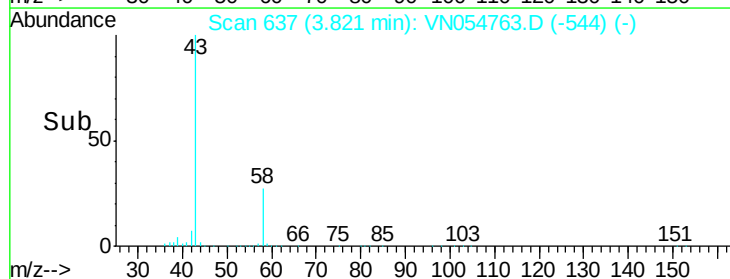
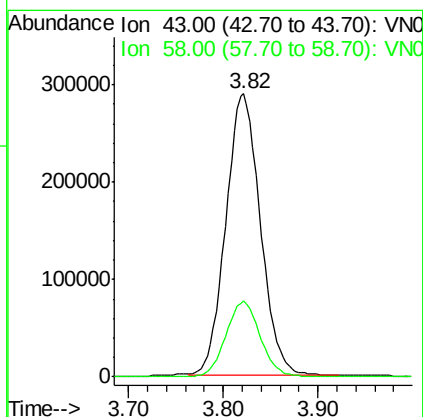
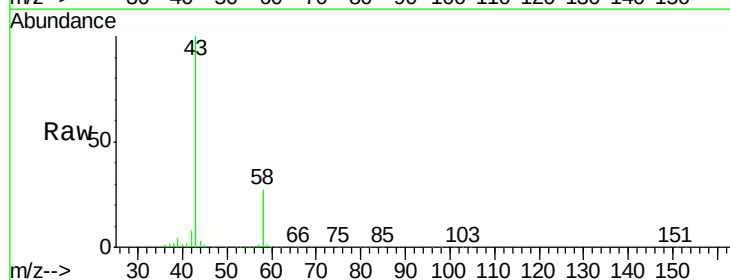
Instrument :
 MSVOA_N
 ClientSampleId :

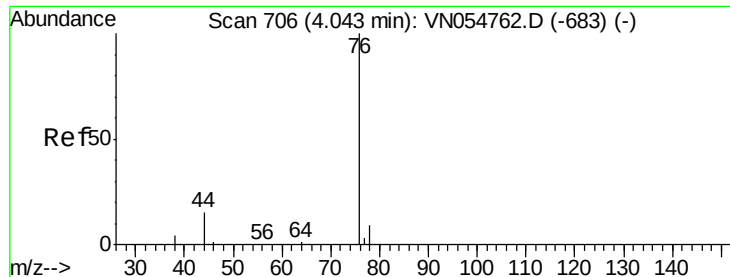
Tot Ion: 53 Resp: 953130
 Ion Ratio Lower Upper
 53 100
 52 83.7 66.4 99.6
 51 37.2 29.6 44.4



#16
 Acetone
 Concen: 460.78 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 733122
 Ion Ratio Lower Upper
 43 100
 58 26.7 29.9 44.9#

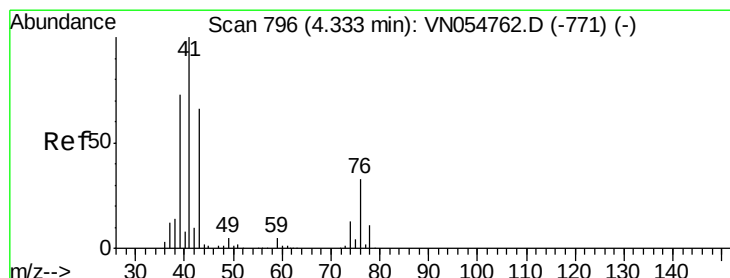
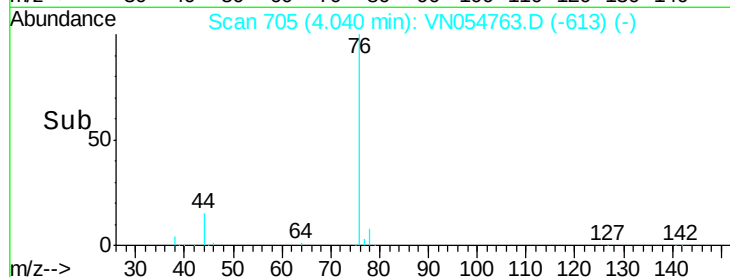
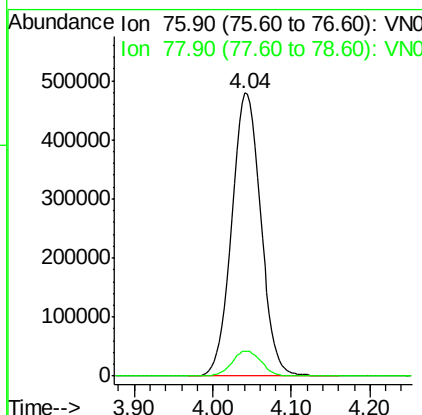
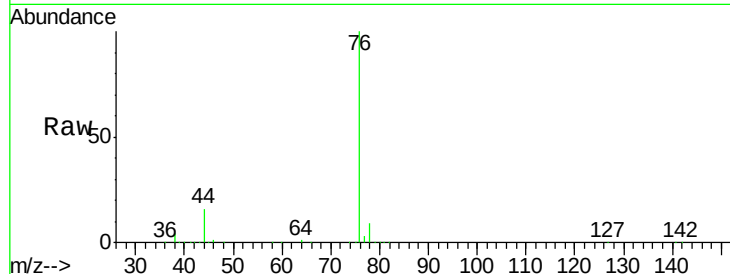




#17
Carbon Disulfide
Concen: 98.05 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

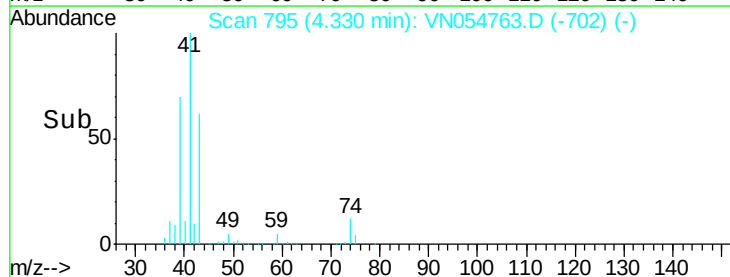
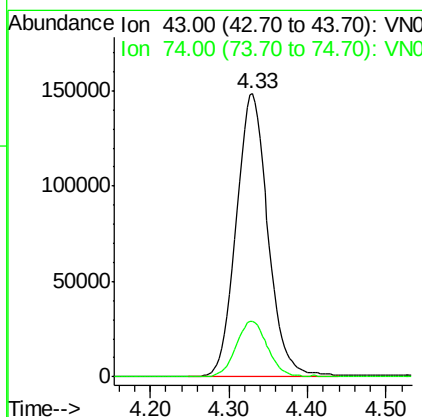
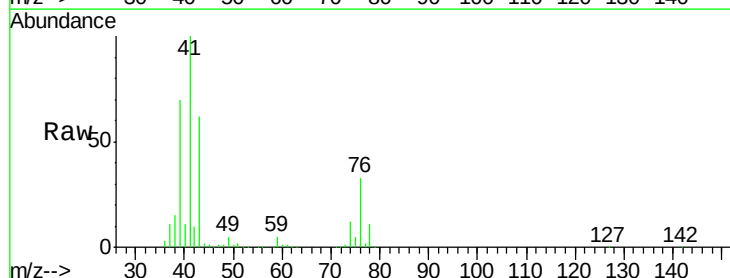
Instrument :
MSVOA_N
ClientSampleId :

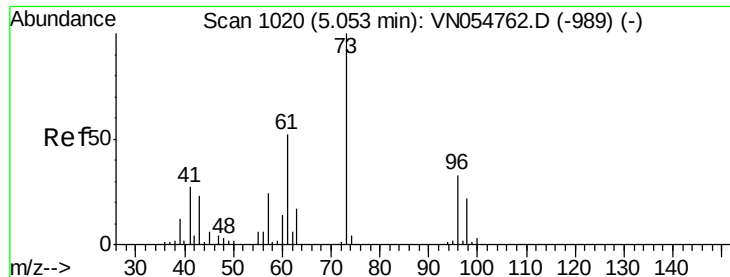
Tot Ion: 76 Resp: 1237217
Ion Ratio Lower Upper
76 100
78 8.9 7.5 11.3



#18
Methyl Acetate
Concen: 101.94 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 418492
Ion Ratio Lower Upper
43 100
74 19.6 20.8 31.2#

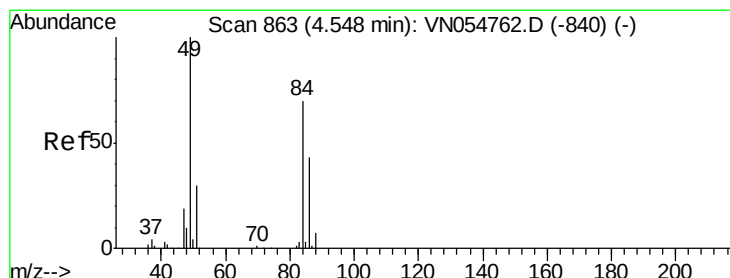
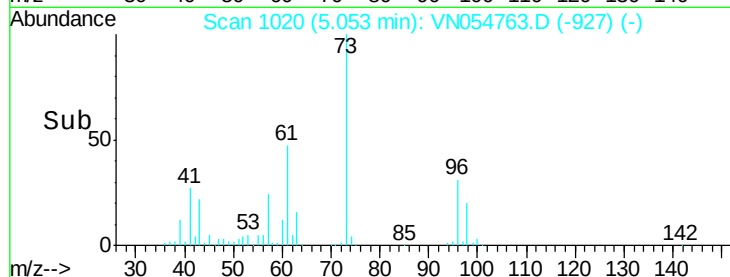
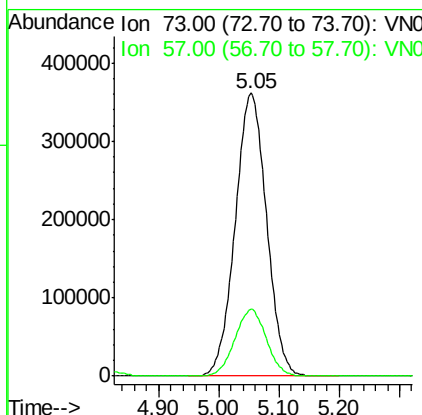
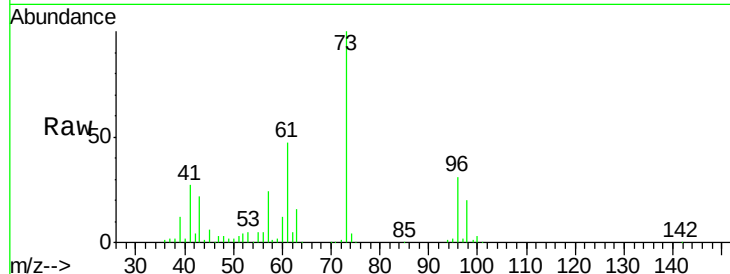




#19
Methyl tert-butyl Ether
Concen: 96.74 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

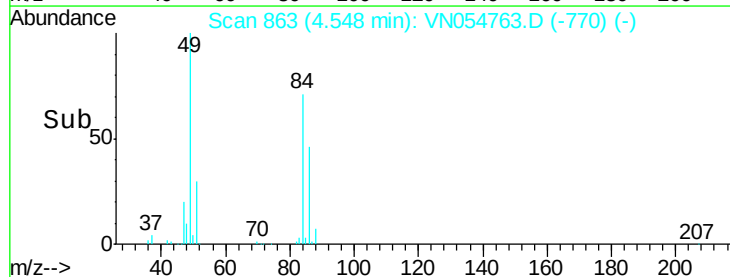
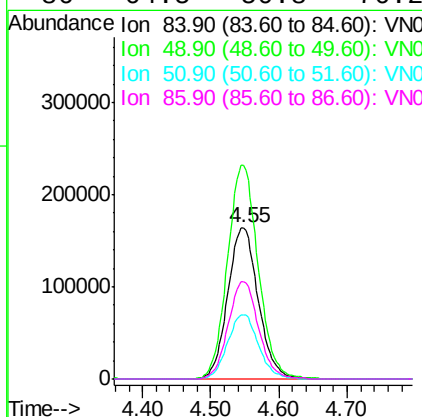
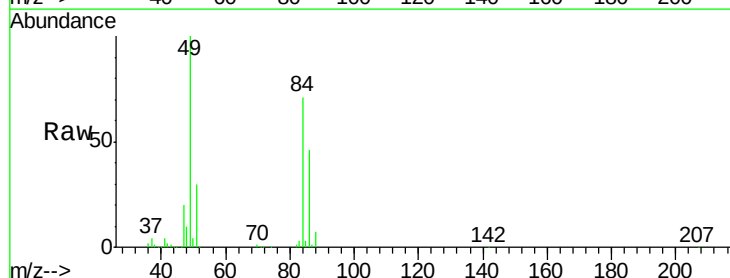
Instrument :
MSVOA_N
ClientSampled :

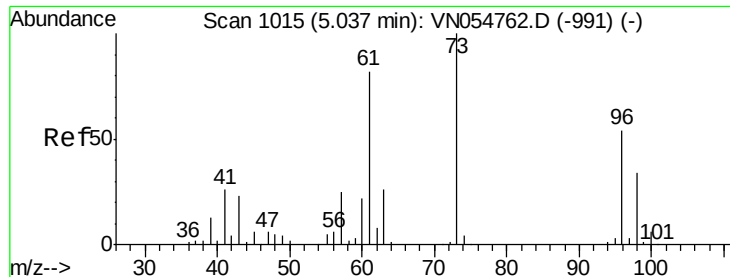
Tot Ion: 73 Resp: 1316539
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2



#20
Methylene Chloride
Concen: 90.92 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 84 Resp: 510255
Ion Ratio Lower Upper
84 100
49 141.1 89.7 134.5#
51 42.5 28.2 42.4#
86 64.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 94.13 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

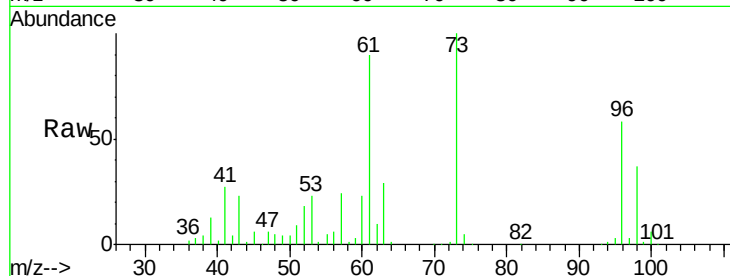
Tot Ion: 96 Resp: 481021

Ion Ratio Lower Upper

96 100

61 153.7 102.8 154.2

98 62.9 50.0 75.0

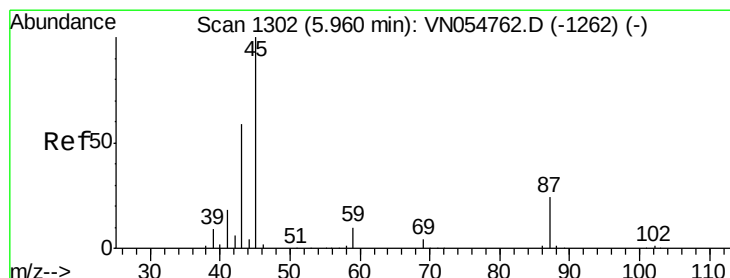
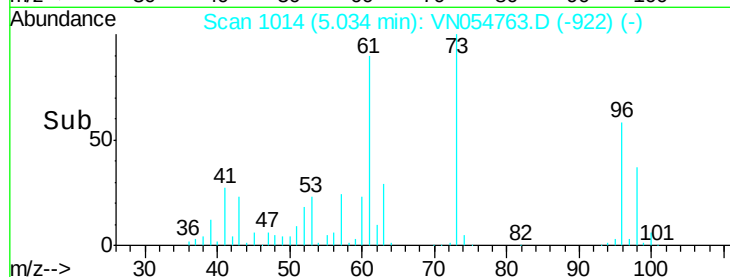
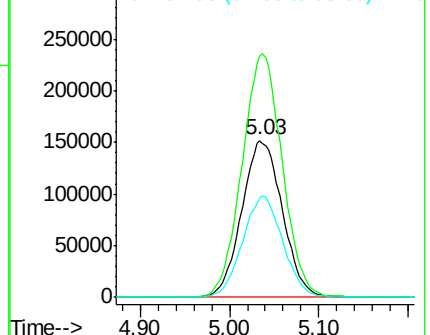


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 96.63 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion: 45 Resp: 1831483

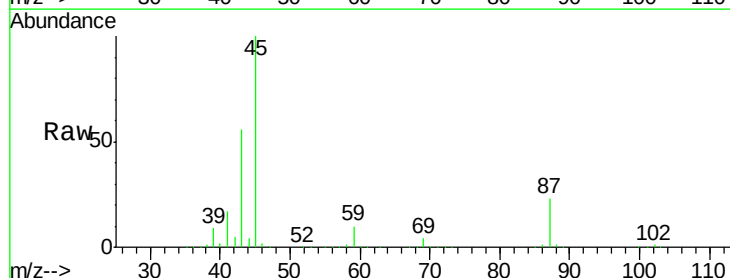
Ion Ratio Lower Upper

45 100

43 56.2 48.2 72.2

87 23.4 24.9 37.3#

59 10.1 9.5 14.3



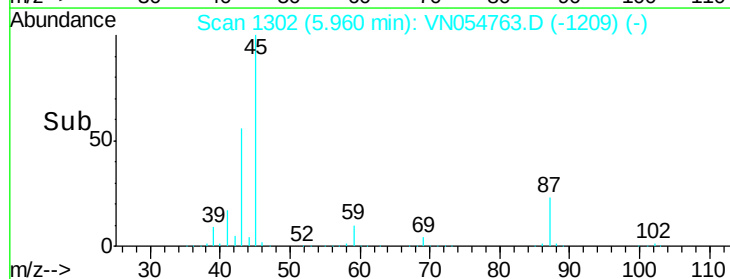
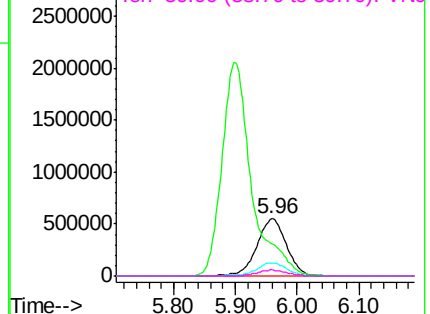
Abundance

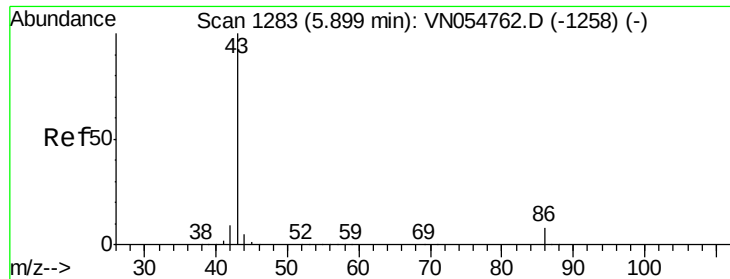
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 530.44 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

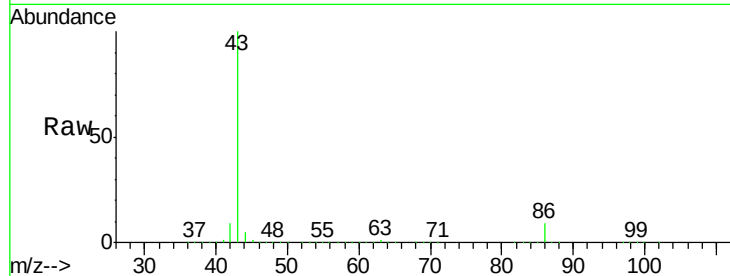
ClientSampled :

Tot Ion: 43 Resp: 6831806

Ion Ratio Lower Upper

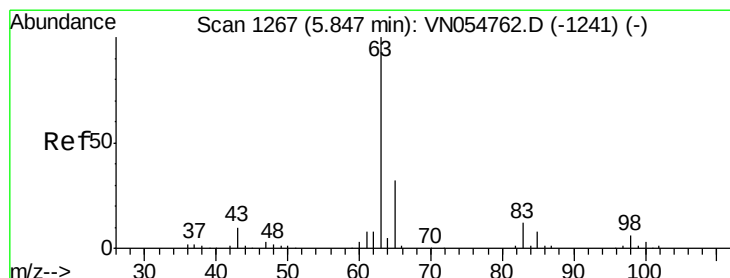
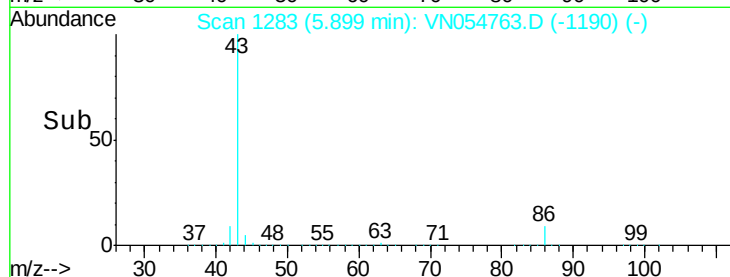
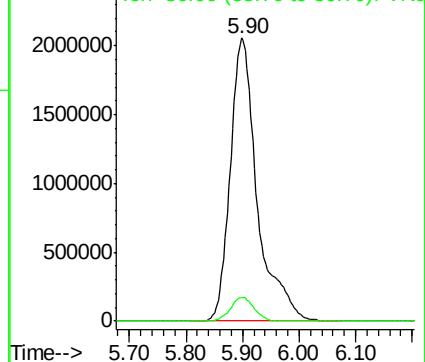
43 100

86 8.5 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 94.96 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

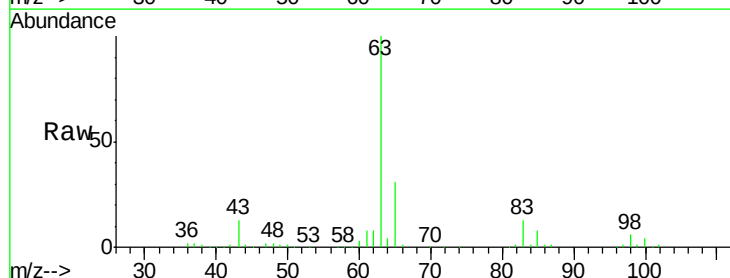
Tgt Ion: 63 Resp: 960110

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.5

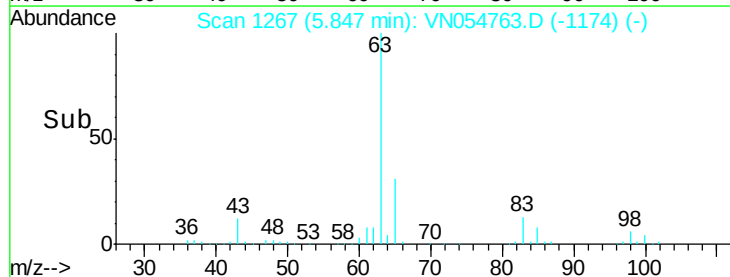
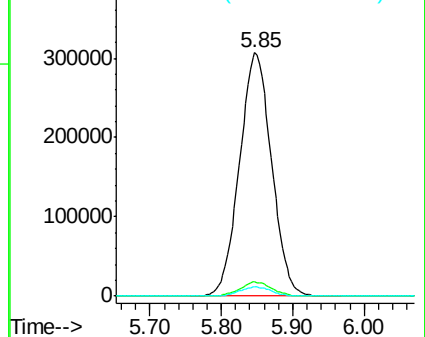
100 3.9 2.0 6.0

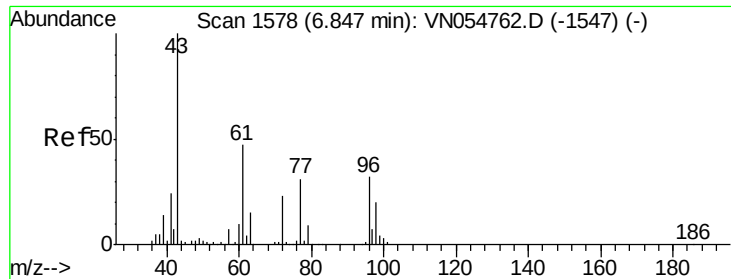


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 526.83 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

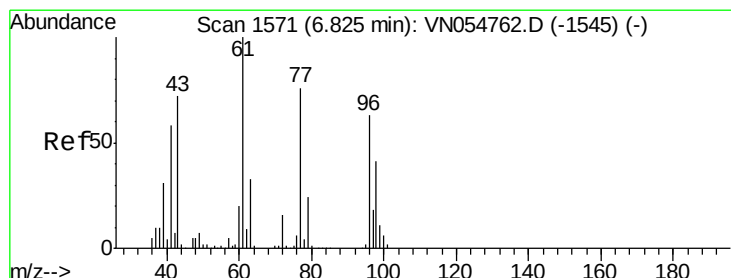
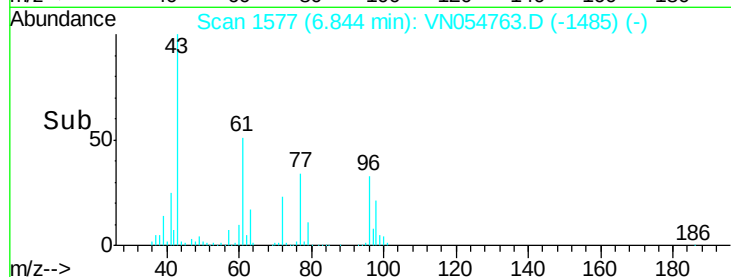
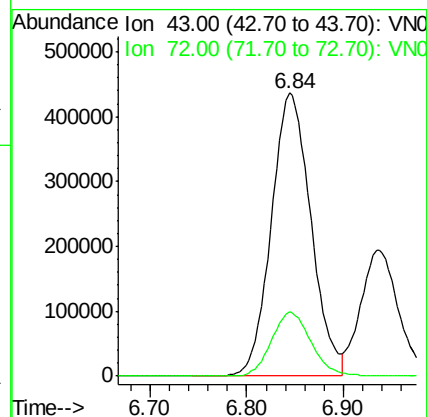
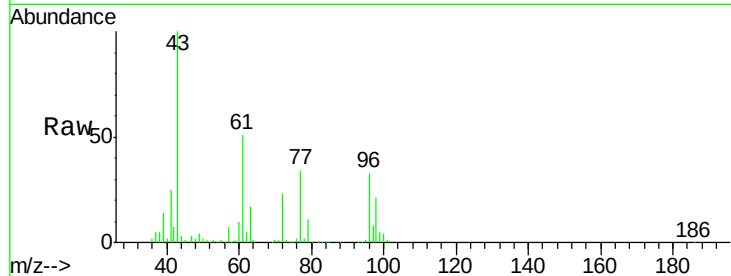
ClientSampled :

Tot Ion: 43 Resp: 1239038

Ion Ratio Lower Upper

43 100

72 22.6 23.0 34.6#



#26

2,2-Dichloropropane

Concen: 98.74 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054763.D

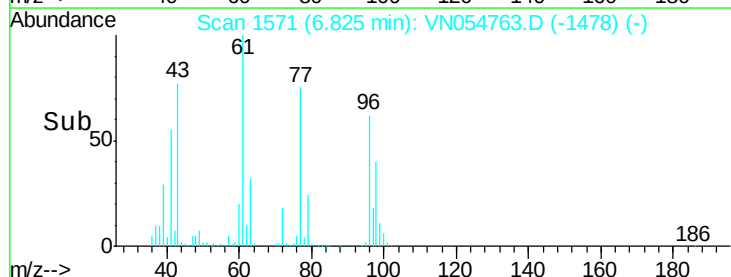
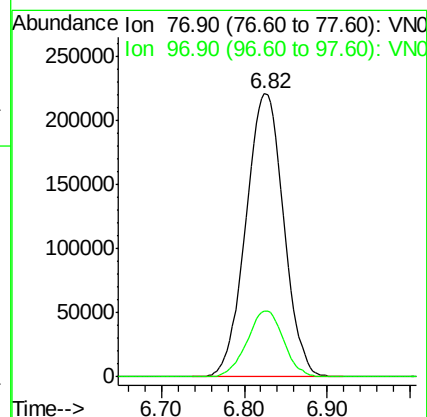
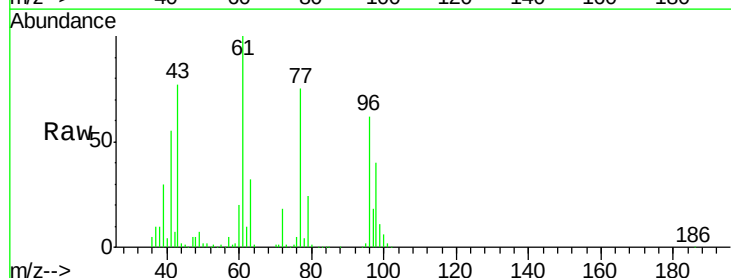
Acq: 29 Mar 2019 11:46

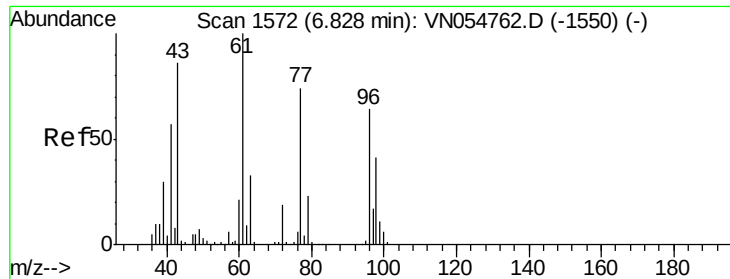
Tgt Ion: 77 Resp: 699705

Ion Ratio Lower Upper

77 100

97 22.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 95.14 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

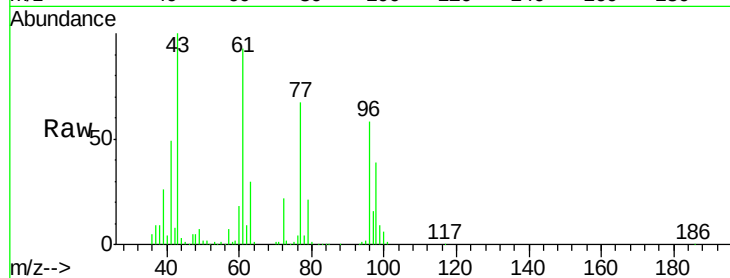
Tot Ion: 96 Resp: 549257

Ion Ratio Lower Upper

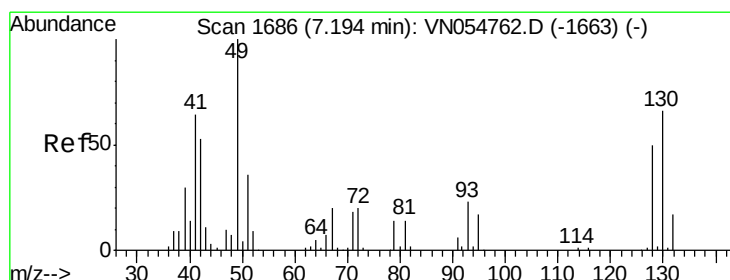
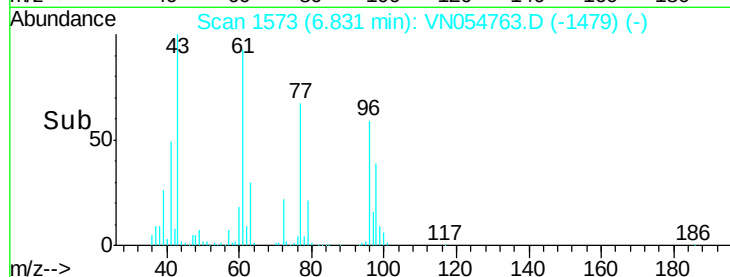
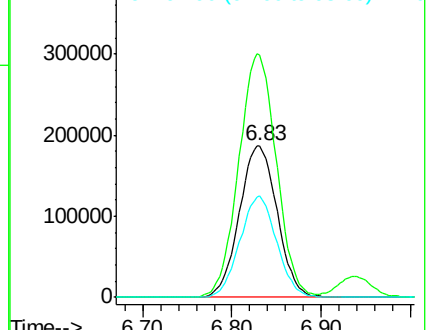
96 100

61 159.5 0.0 273.0

98 65.0 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 95.99 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

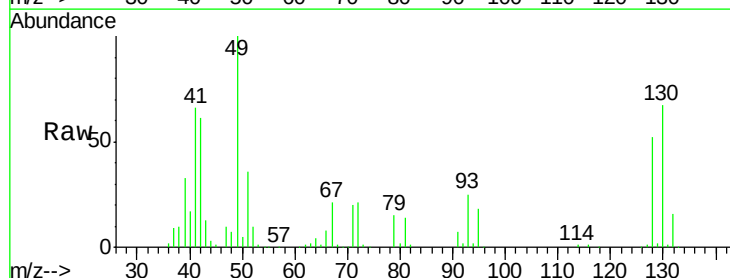
Tgt Ion: 49 Resp: 485278

Ion Ratio Lower Upper

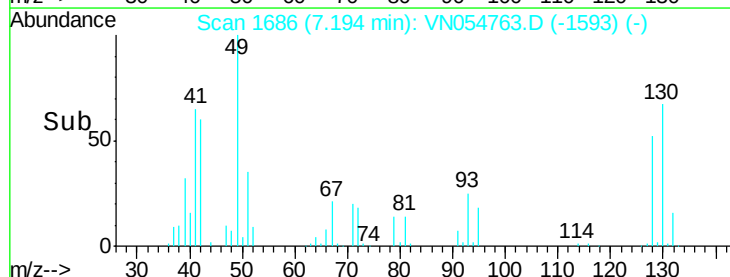
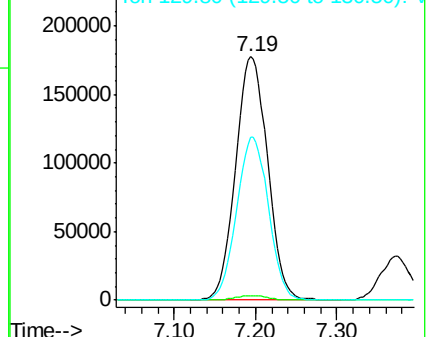
49 100

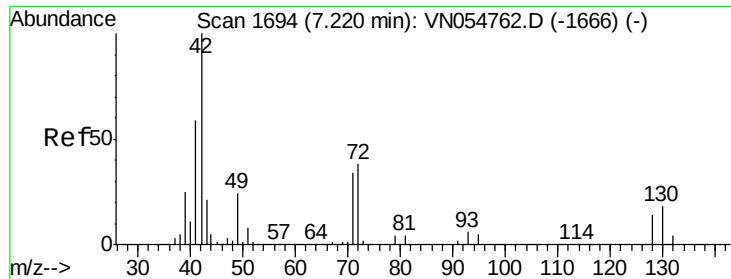
129 1.9 0.0 4.6

130 66.4 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

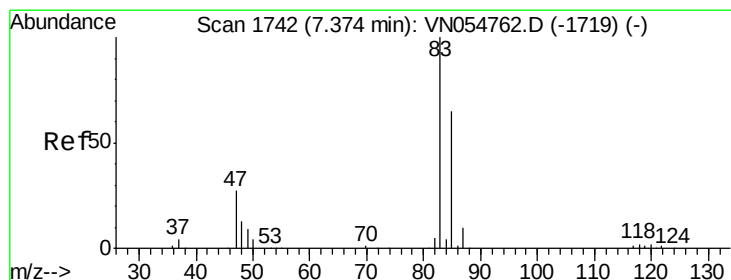
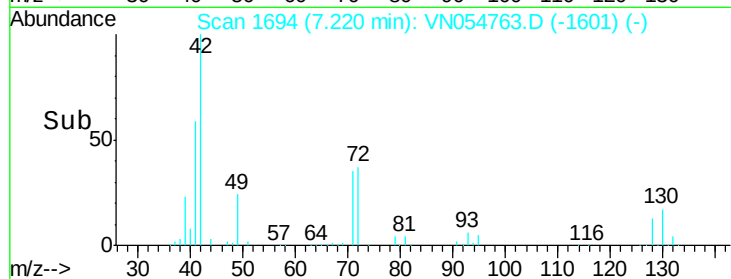
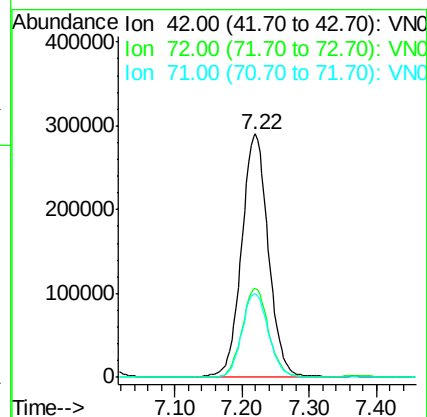
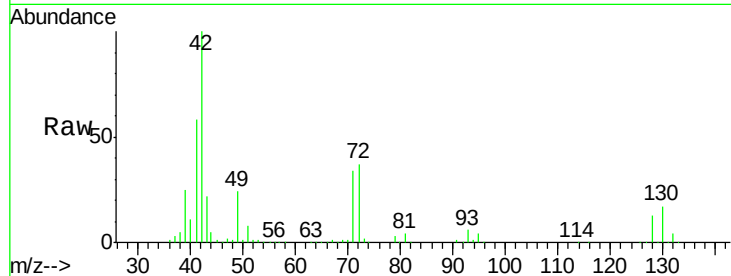




#29
Tetrahydrofuran
Concen: 487.99 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

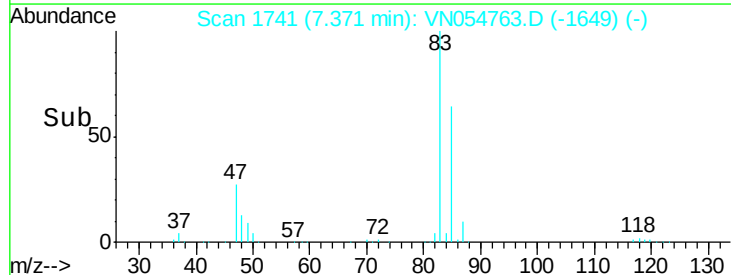
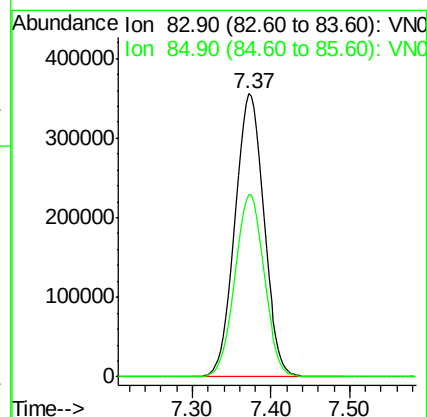
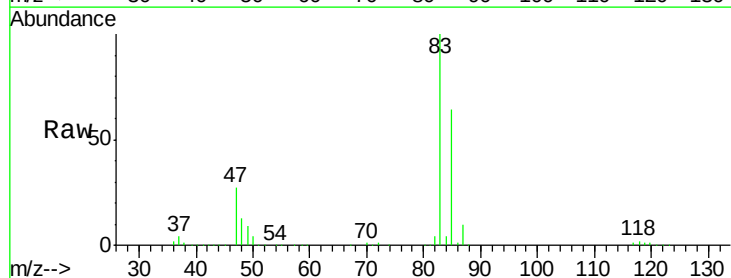
Instrument :
MSVOA_N
ClientSampleId :

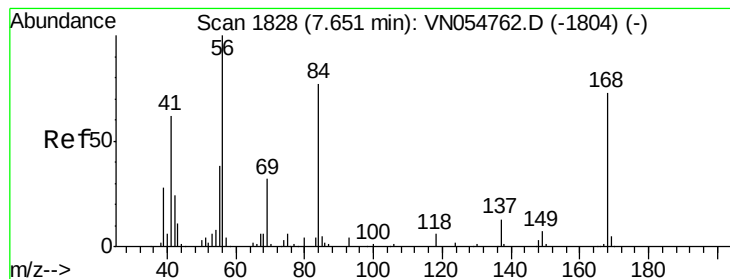
Tot Ion: 42 Resp: 798196
Ion Ratio Lower Upper
42 100
72 36.3 37.8 56.6#
71 34.3 36.2 54.2#



#30
Chloroform
Concen: 94.66 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 83 Resp: 912585
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.4





#31

Cyclohexane

Concen: 100.45 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

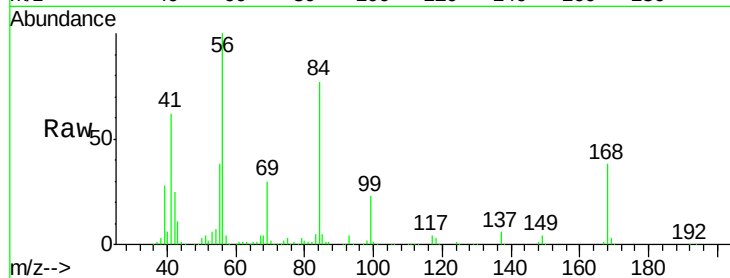
Tot Ion: 56 Resp: 906280

Ion Ratio Lower Upper

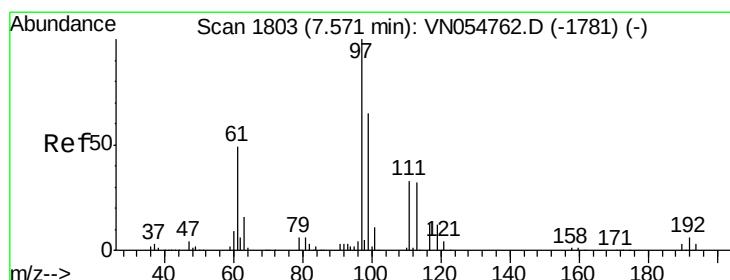
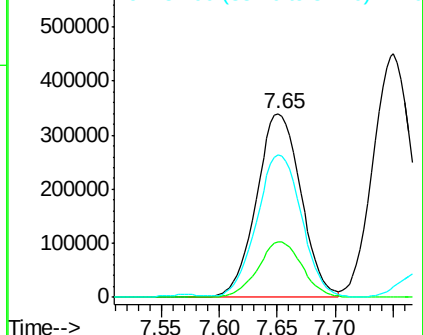
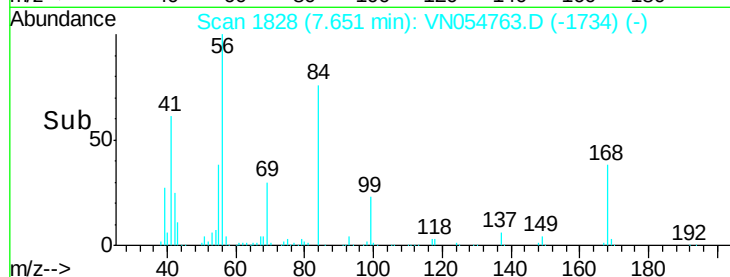
56 100

69 30.3 27.8 41.6

84 76.0 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 97.28 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

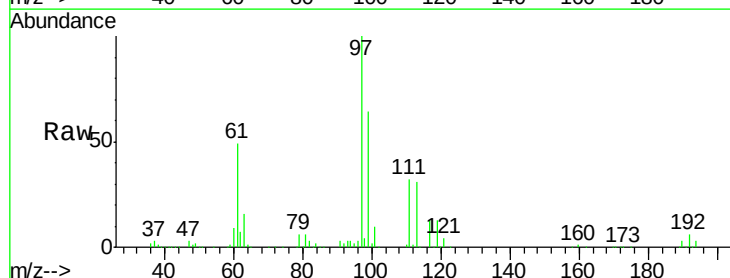
Tgt Ion: 97 Resp: 777232

Ion Ratio Lower Upper

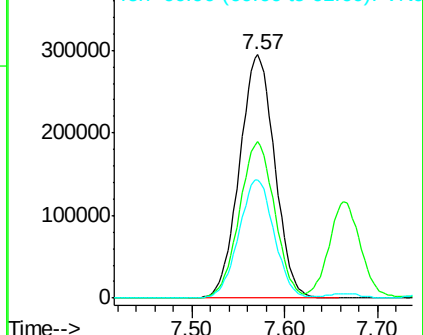
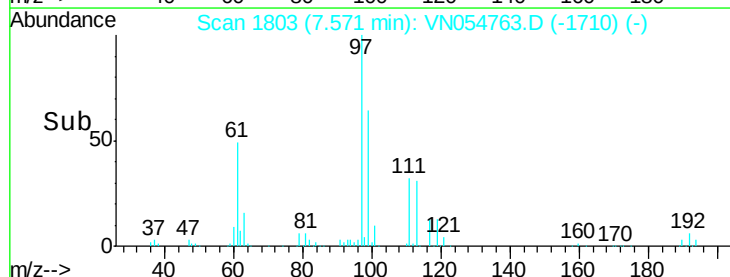
97 100

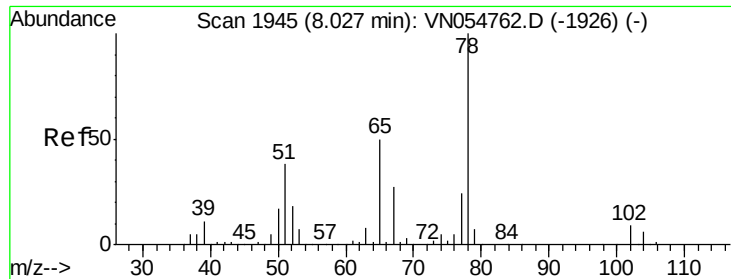
99 64.2 51.5 77.3

61 48.7 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

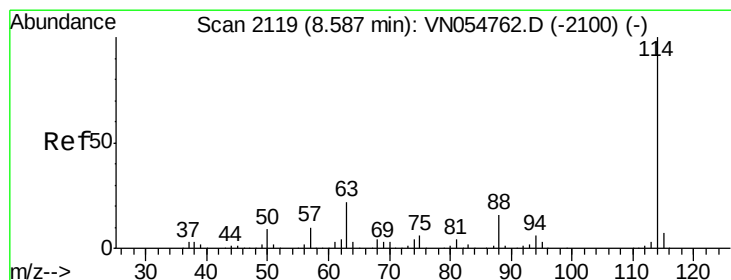
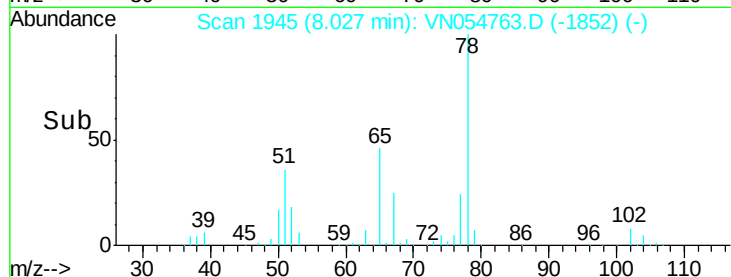
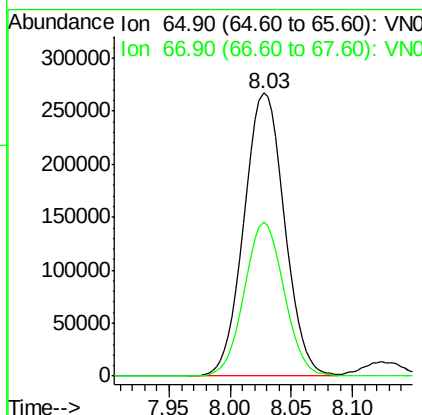
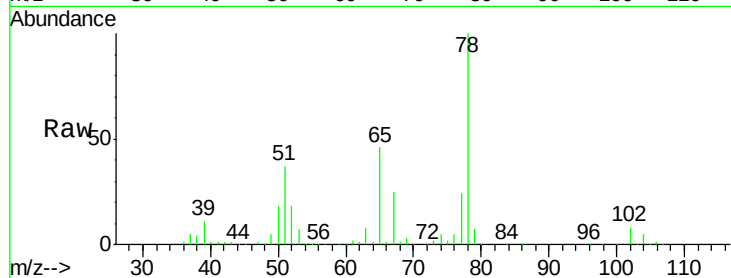




#33
 1,2-Dichloroethane-d4
 Concen: 92.38 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

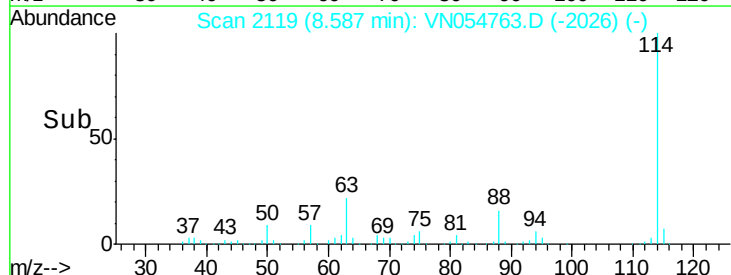
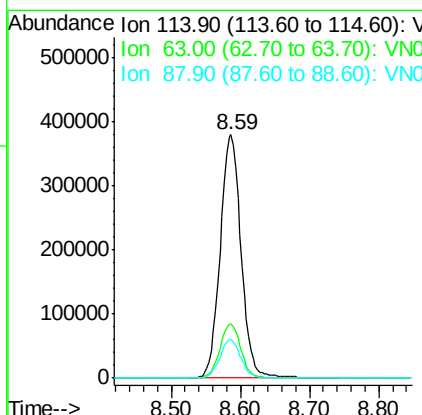
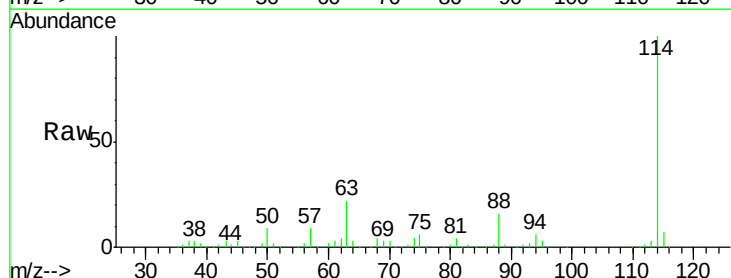
Instrument :
 MSVOA_N
 ClientSampled :

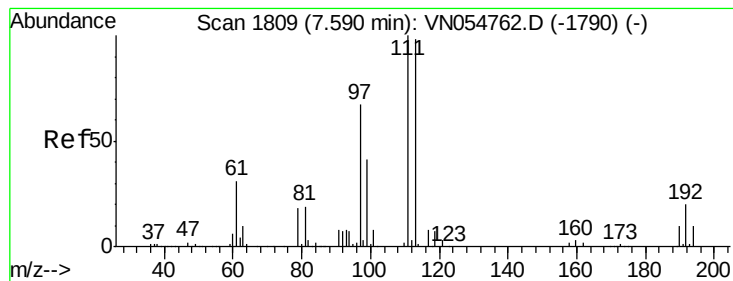
Tot Ion: 65 Resp: 616369
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 114 Resp: 795384
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 93.74 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

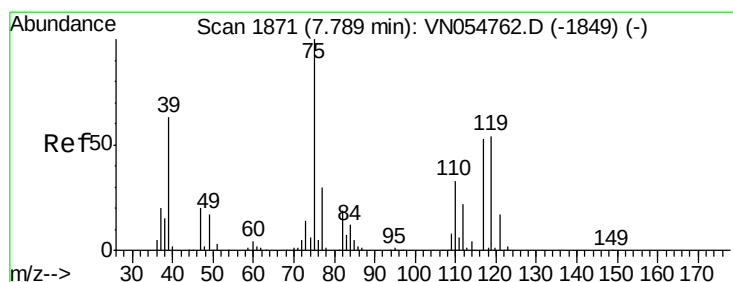
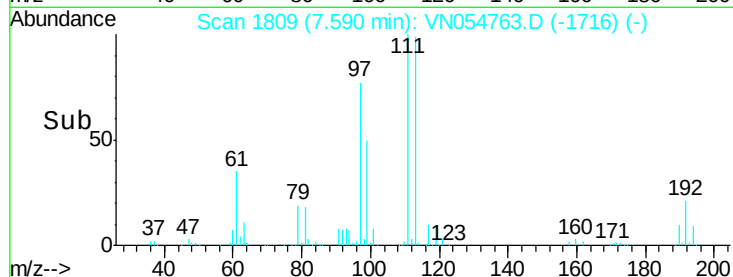
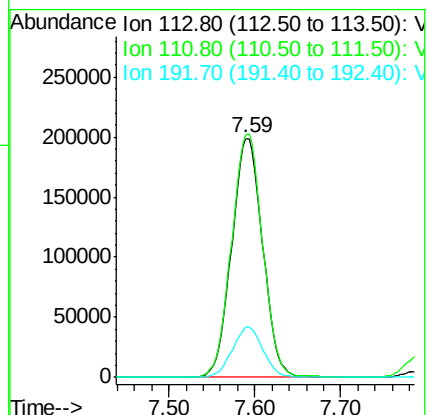
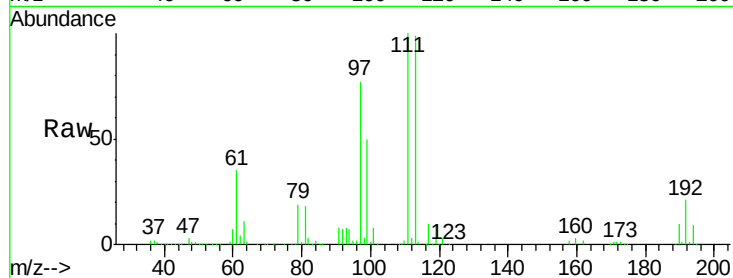
Tot Ion:113 Resp: 497103

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.4

192 20.8 19.2 28.8



#36

1,1-Dichloropropene

Concen: 98.10 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

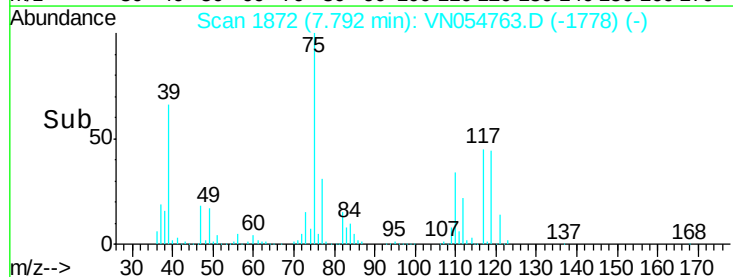
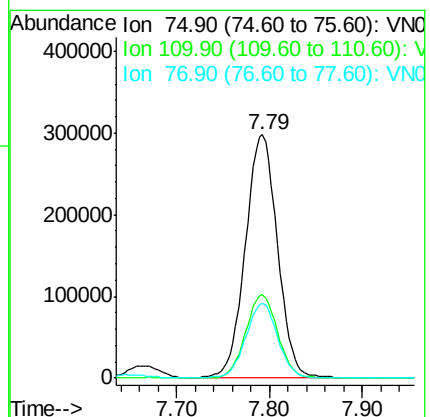
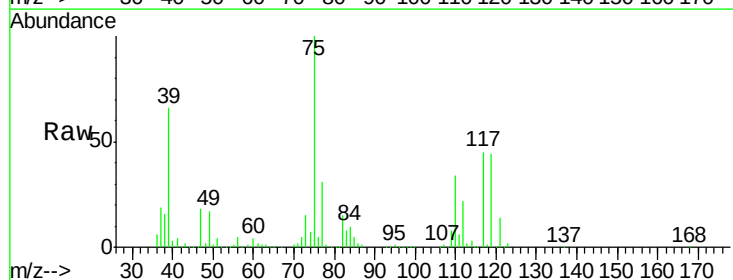
Tgt Ion: 75 Resp: 712196

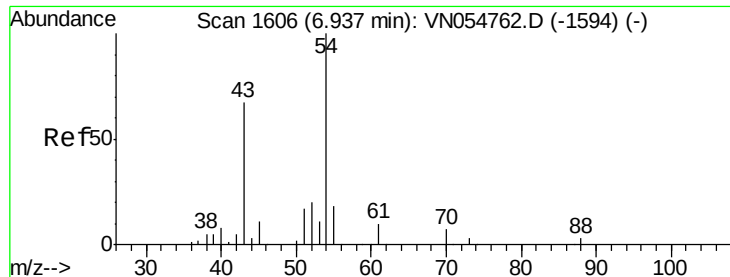
Ion Ratio Lower Upper

75 100

110 34.3 19.1 57.5

77 31.0 25.0 37.4

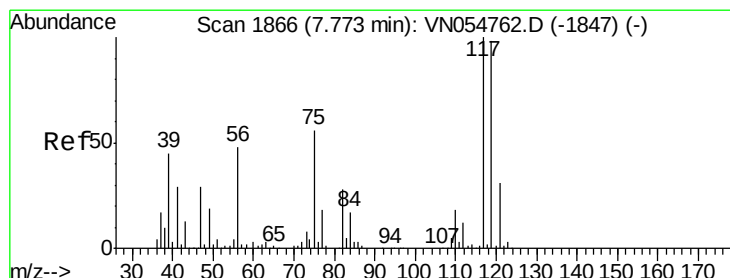
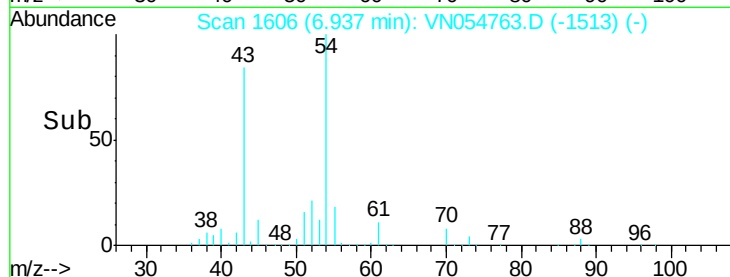
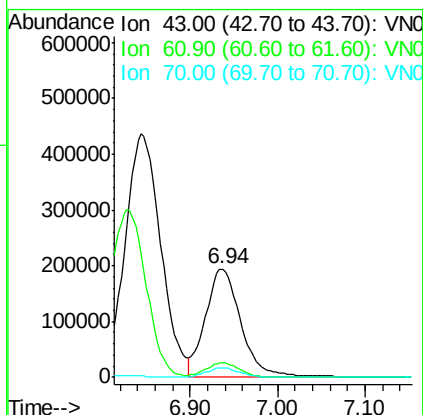
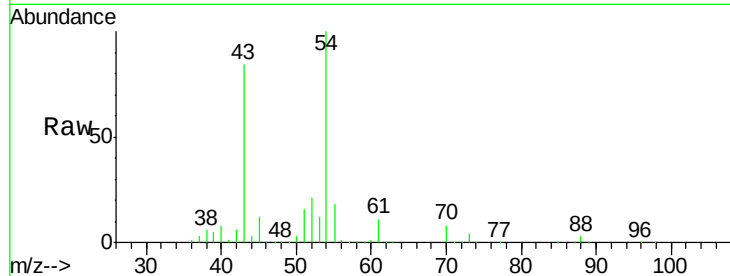




#37
Ethyl Acetate
Concen: 100.84 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

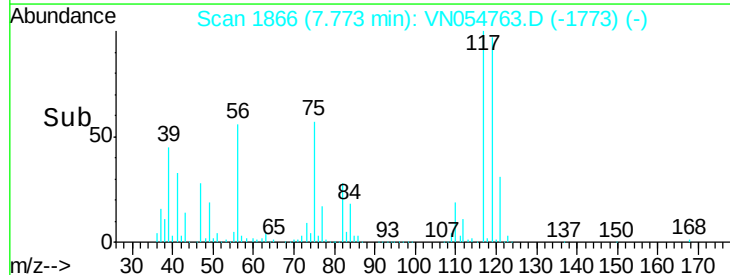
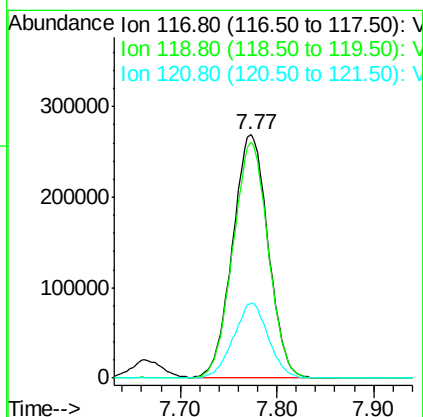
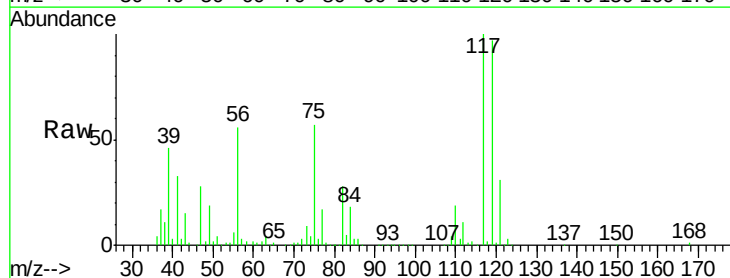
Instrument :
MSVOA_N
ClientSampled :

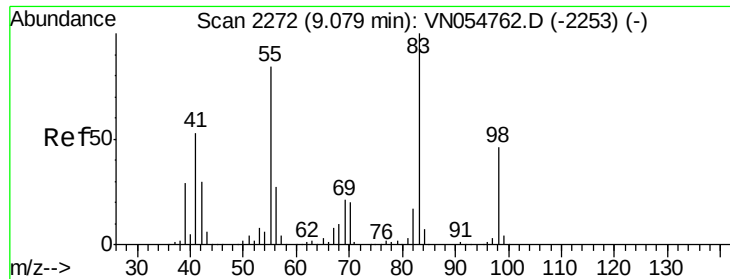
Tot Ion: 43 Resp: 537815
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 8.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 95.39 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 117 Resp: 686636
Ion Ratio Lower Upper
117 100
119 97.2 76.3 114.5
121 30.9 24.6 36.8

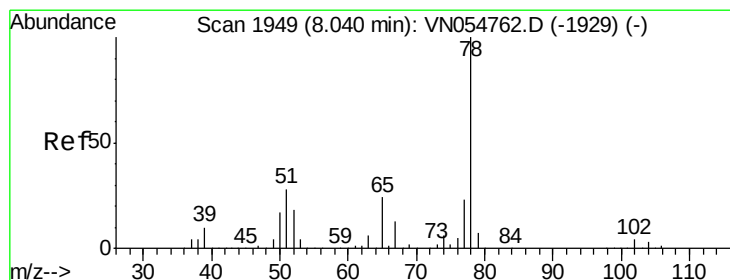
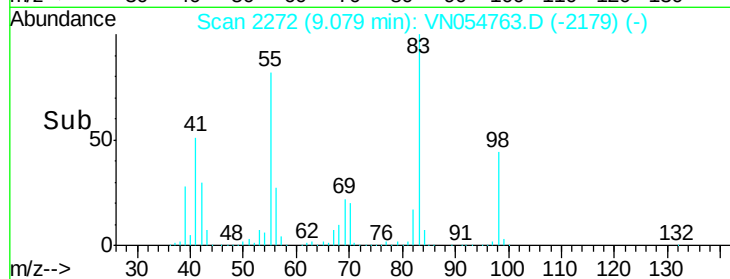
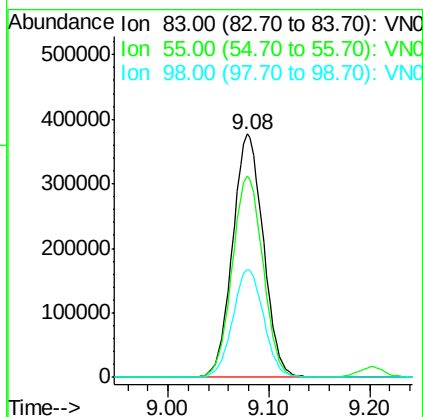
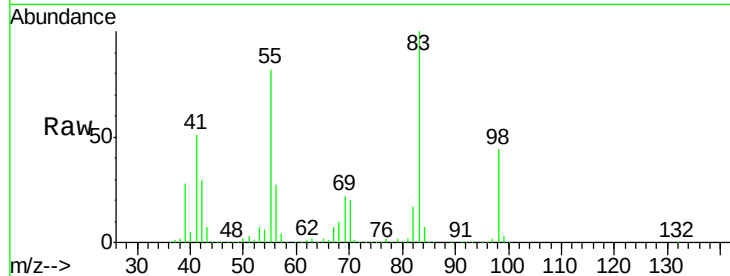




#39
Methylvlcyclohexane
Concen: 97.67 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

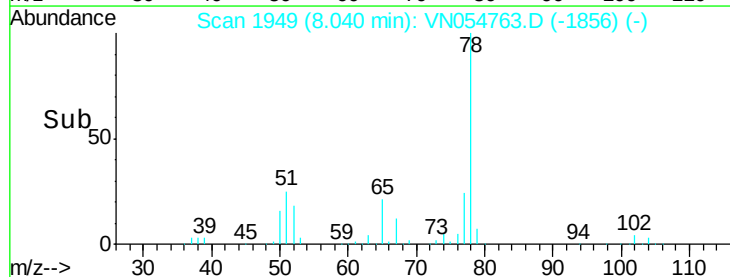
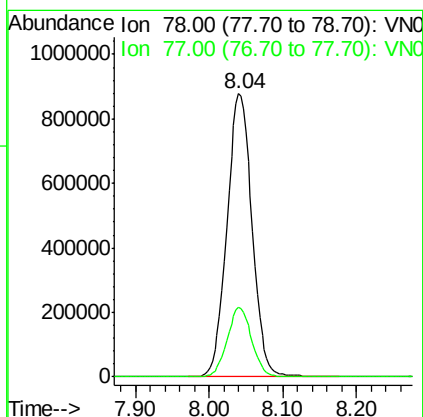
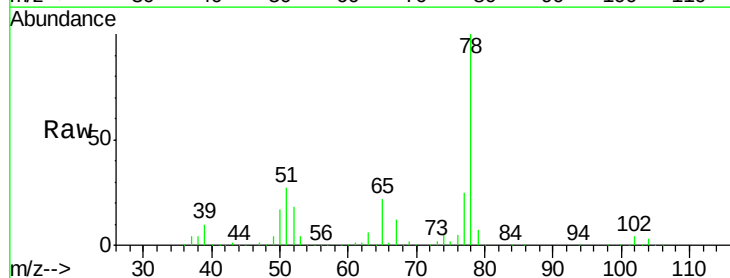
Instrument :
MSVOA_N
ClientSampleId :

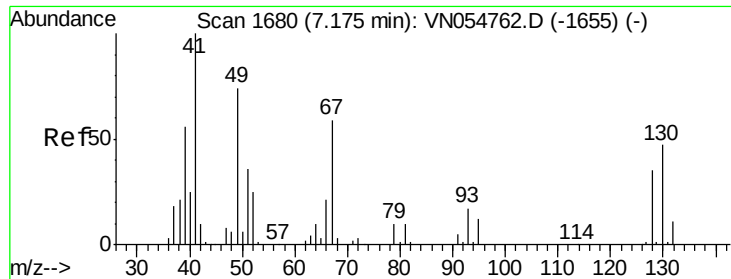
Tot Ion: 83 Resp: 795803
Ion Ratio Lower Upper
83 100
55 82.4 56.6 84.8
98 44.3 38.4 57.6



#40
Benzene
Concen: 97.83 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 78 Resp: 2074612
Ion Ratio Lower Upper
78 100
77 24.5 19.1 28.7

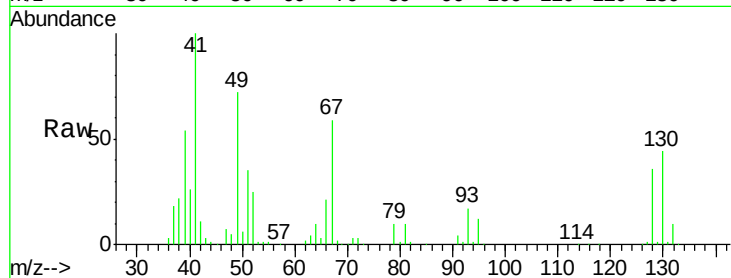




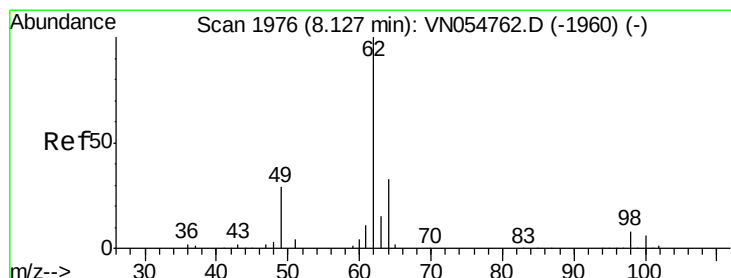
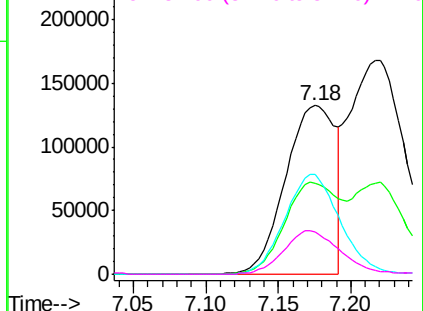
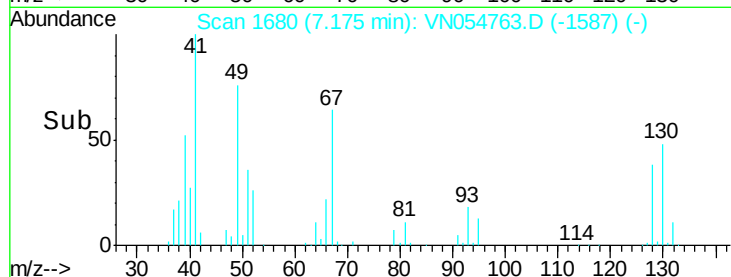
#41
Methacrylonitrile
Concen: 103.36 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 315563
Ion Ratio Lower Upper
41 100
39 61.2 46.8 70.2
67 66.0 67.0 100.4#
52 29.0 26.5 39.7

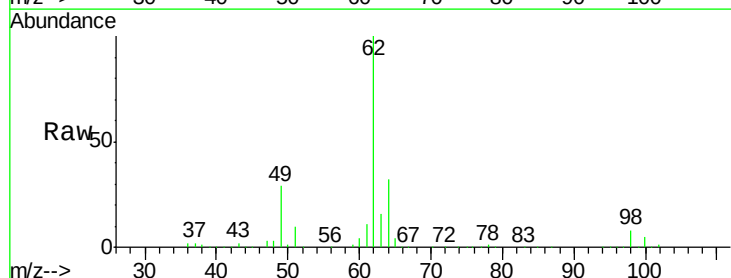


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

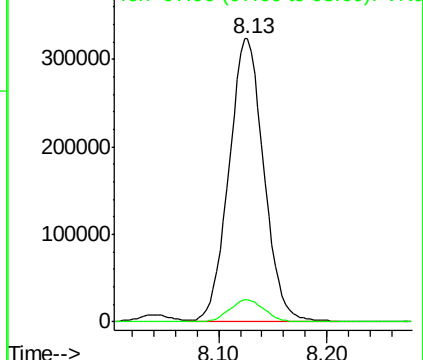
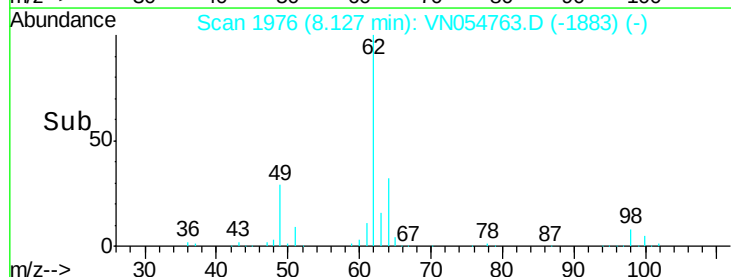


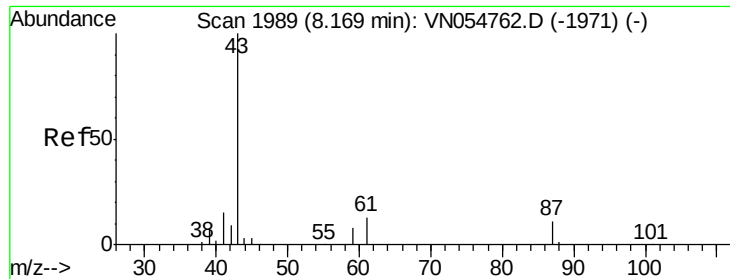
#42
1,2-Dichloroethane
Concen: 95.78 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 62 Resp: 725228
Ion Ratio Lower Upper
62 100
98 8.1 0.0 18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 107.12 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

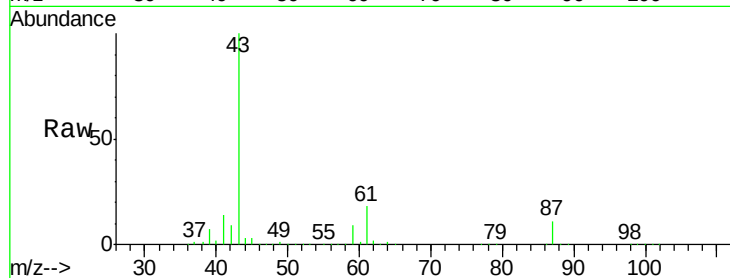
Tot Ion: 43 Resp: 945996

Ion Ratio Lower Upper

43 100

61 17.9 15.8 23.8

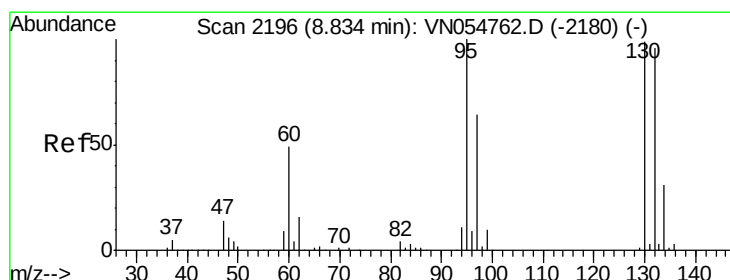
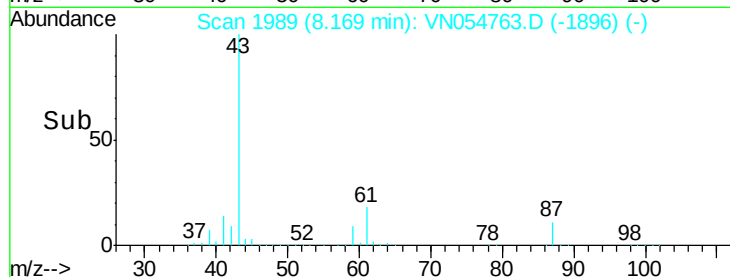
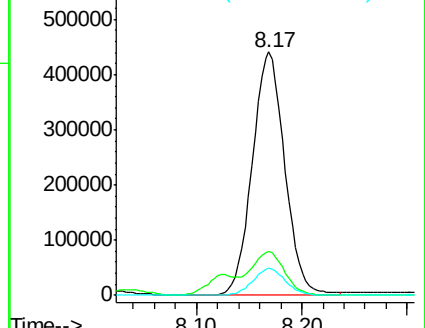
87 11.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054763.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054763.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054763.D (-1896) (-)



#44

Trichloroethene

Concen: 97.92 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054763.D

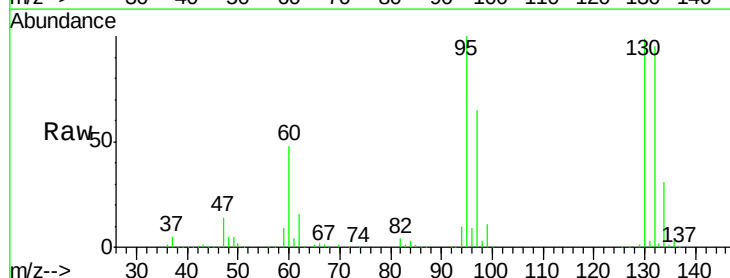
Acq: 29 Mar 2019 11:46

Tgt Ion:130 Resp: 539068

Ion Ratio Lower Upper

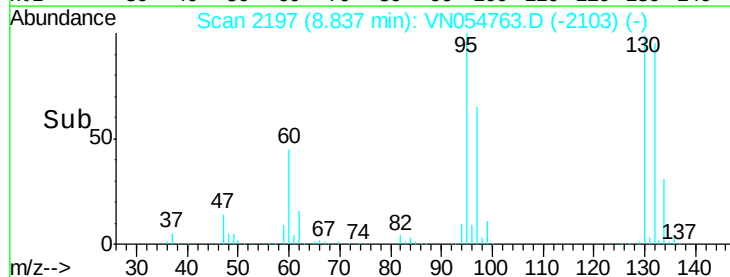
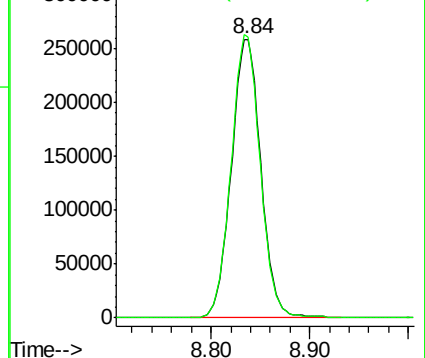
130 100

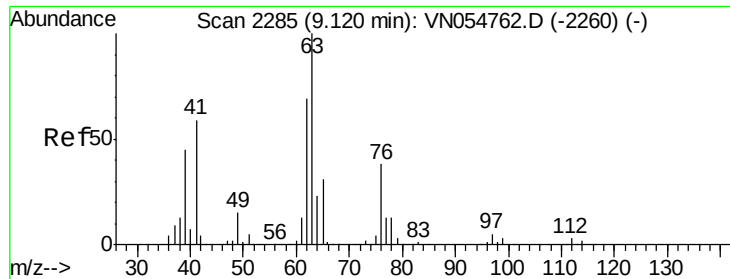
95 101.0 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054763.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054763.D (-2103) (-)

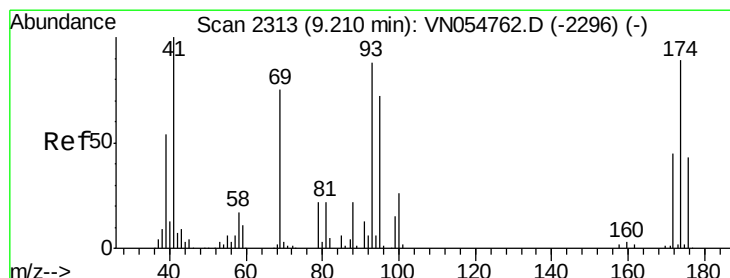
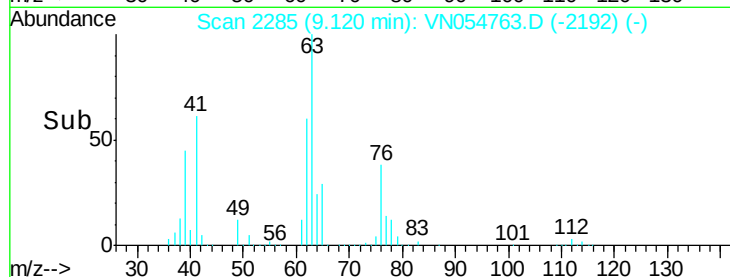
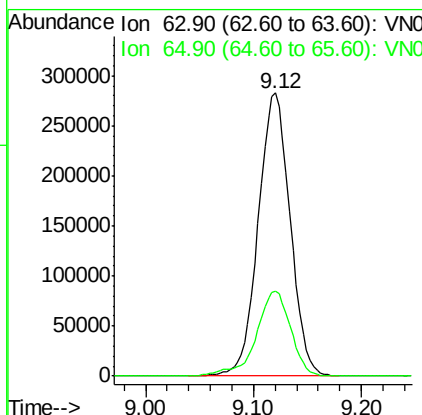
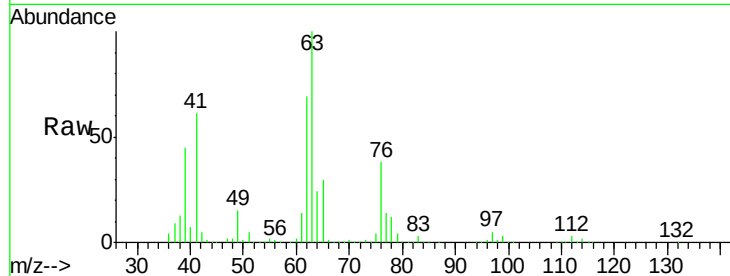




#45
 1,2-Dichloropropane
 Concen: 95.99 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

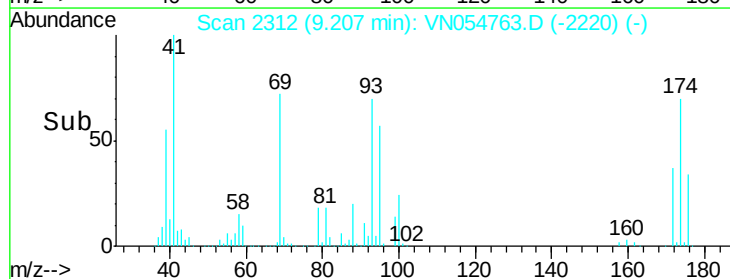
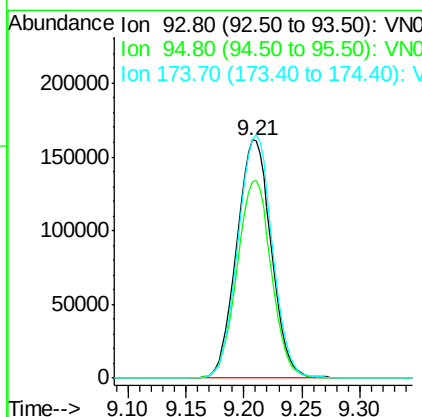
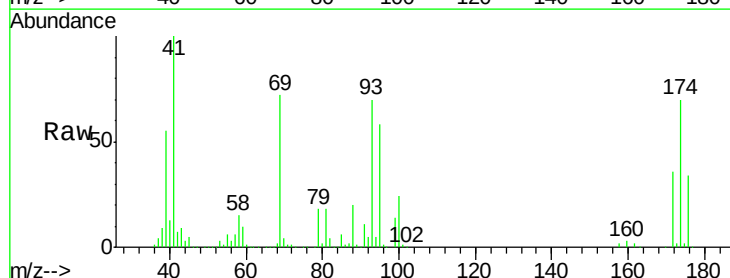
Instrument :
 MSVOA_N
 ClientSampled :

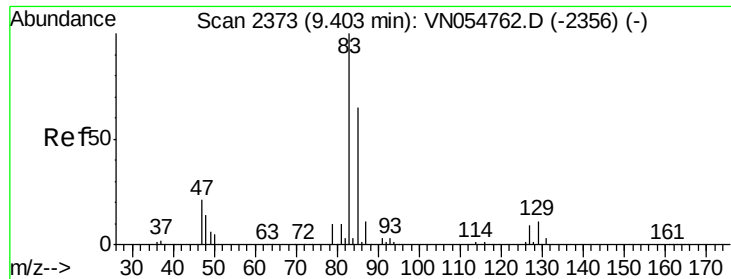
Tot Ion: 63 Resp: 580473
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.0 37.6



#46
 Dibromomethane
 Concen: 98.42 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 93 Resp: 334787
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 101.5 98.5 147.7

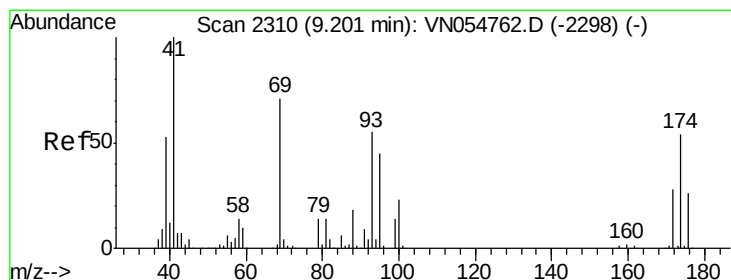
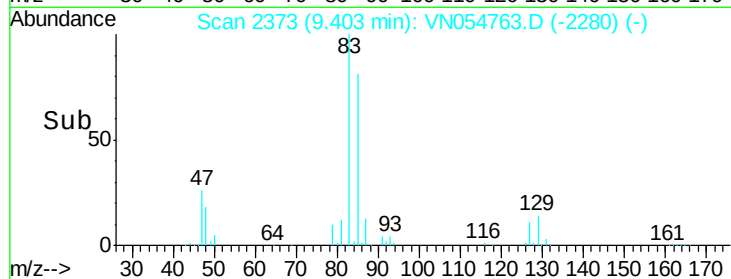
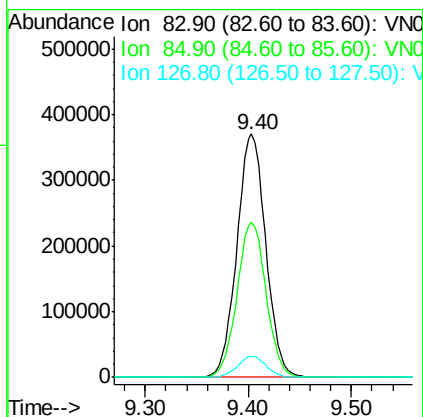
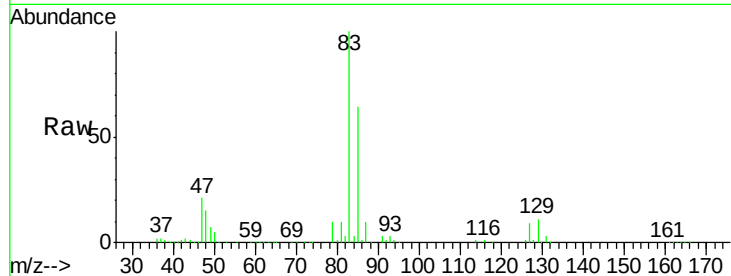




#47
Bromodichloromethane
Concen: 102.11 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

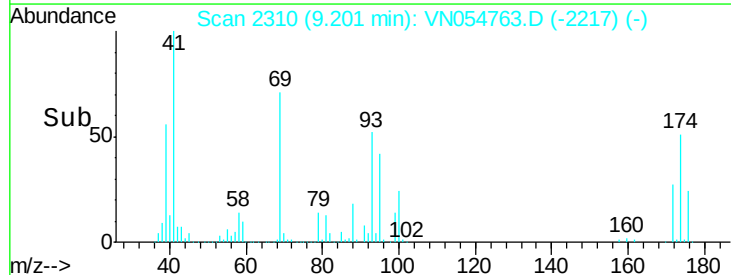
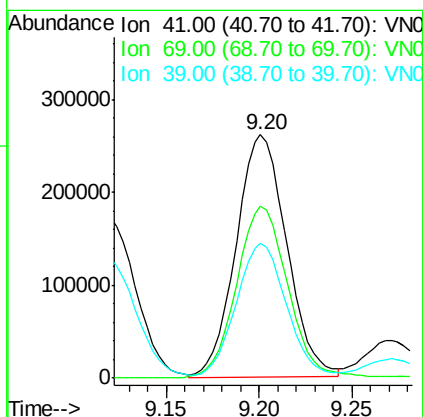
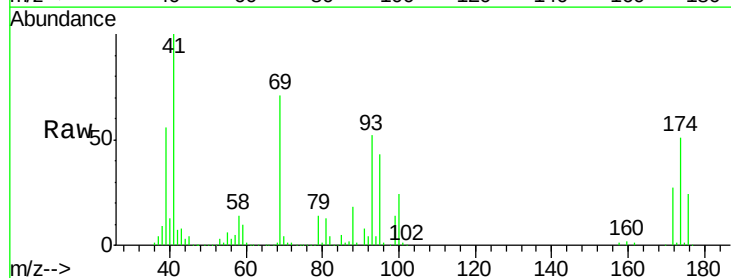
Instrument :
MSVOA_N
ClientSampled :

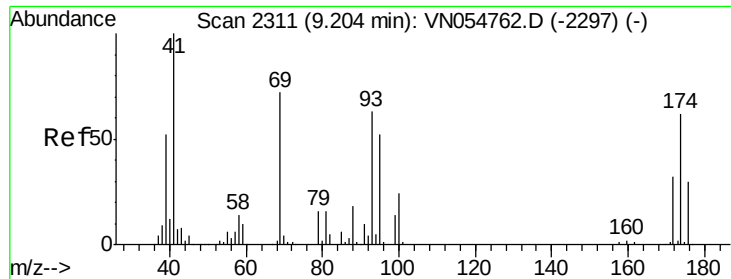
Tot Ion: 83 Resp: 721892
Ion Ratio Lower Upper
83 100
85 63.7 52.8 79.2
127 8.6 7.4 11.2



#48
Methyl methacrylate
Concen: 103.59 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 41 Resp: 495913
Ion Ratio Lower Upper
41 100
69 72.3 72.6 108.8#
39 55.4 47.5 71.3

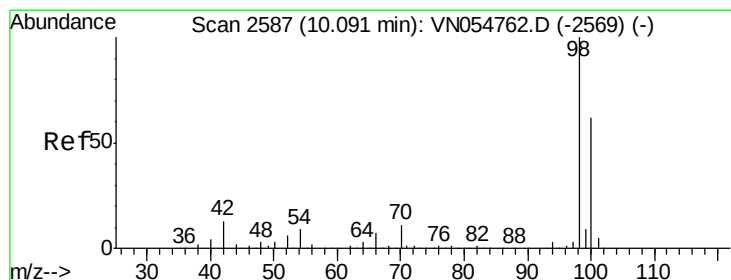
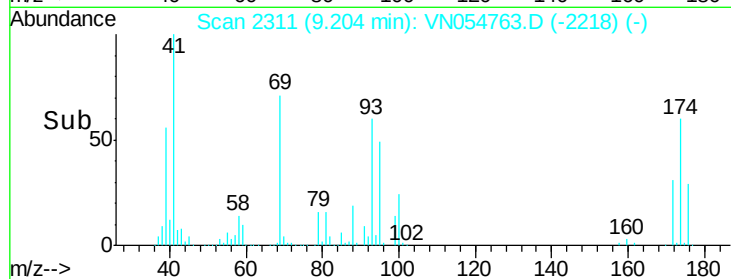
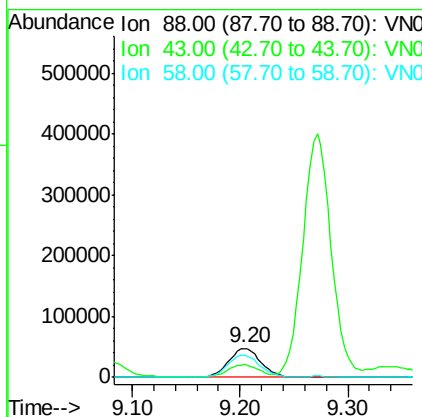
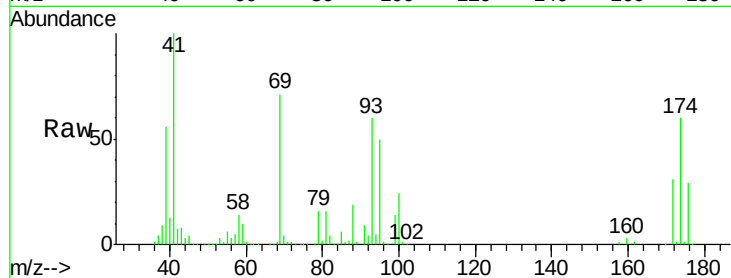




#49
 1,4-Dioxane
 Concen: 2106.11 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

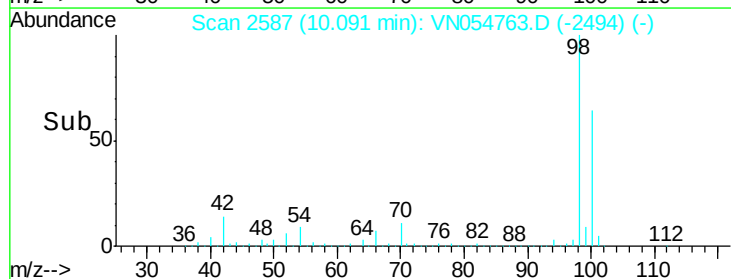
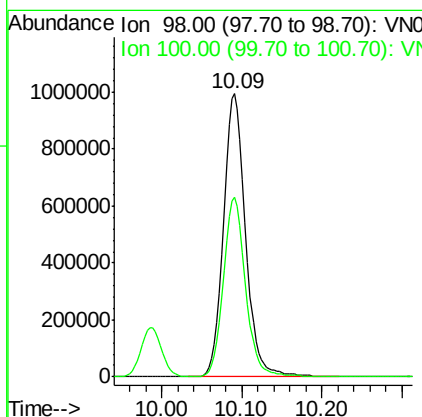
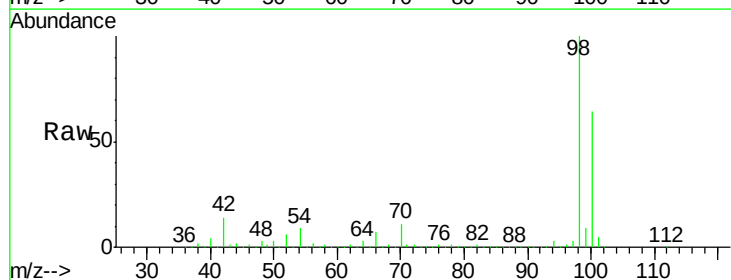
Instrument :
 MSVOA_N
 ClientSampleId :

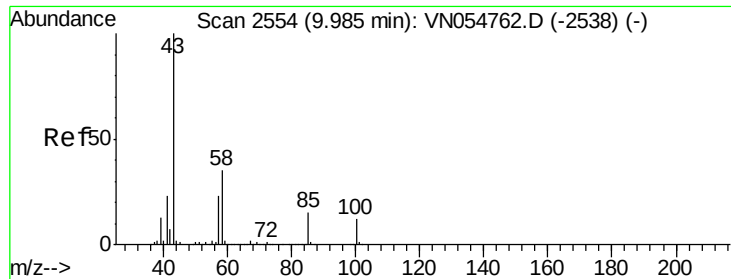
Tot Ion: 88 Resp: 100038
 Ion Ratio Lower Upper
 88 100
 43 40.6 24.1 36.1#
 58 75.3 50.8 76.2



#50
 Toluene-d8
 Concen: 96.16 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 98 Resp: 1895814
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 530.08 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

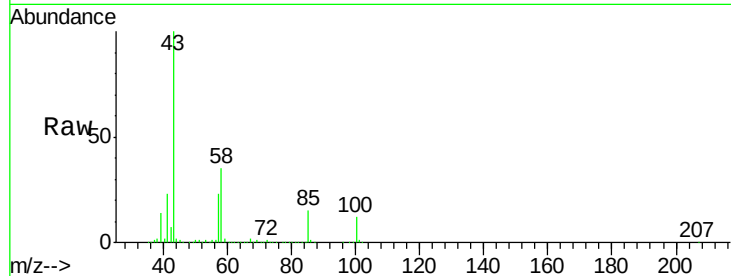
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2631880

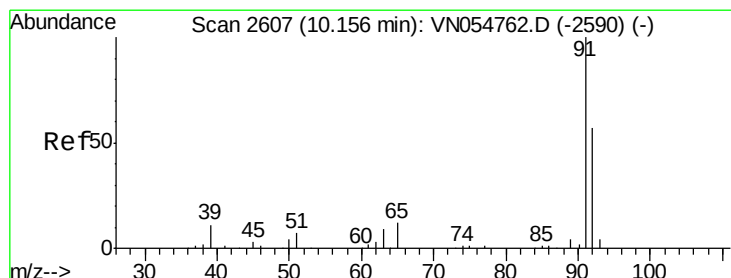
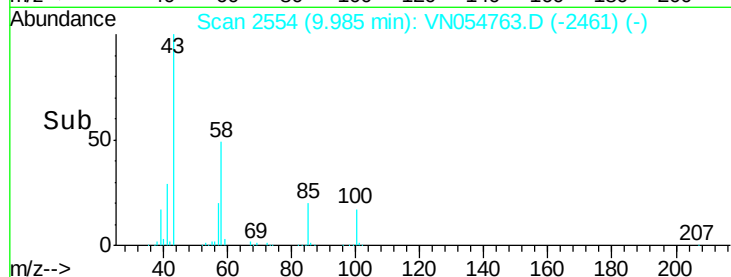
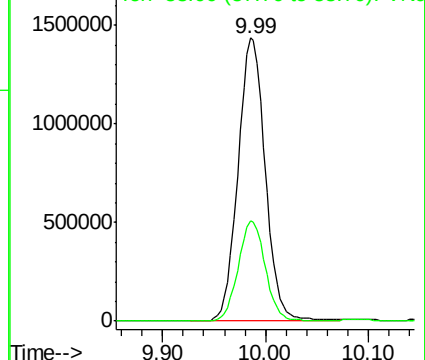
Ion Ratio Lower Upper

43 100

58 35.3 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 98.96 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054763.D

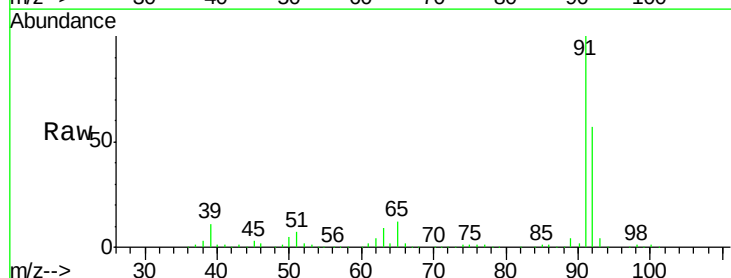
Acq: 29 Mar 2019 11:46

Tgt Ion: 92 Resp: 1248759

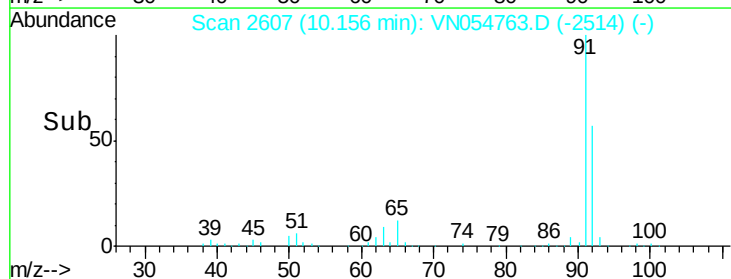
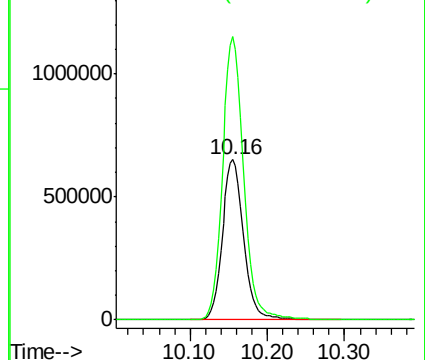
Ion Ratio Lower Upper

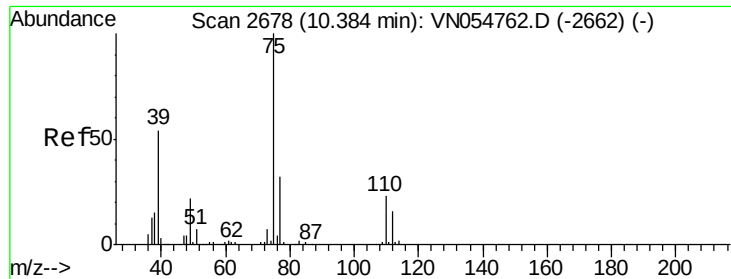
92 100

91 176.1 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0
Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 112.03 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

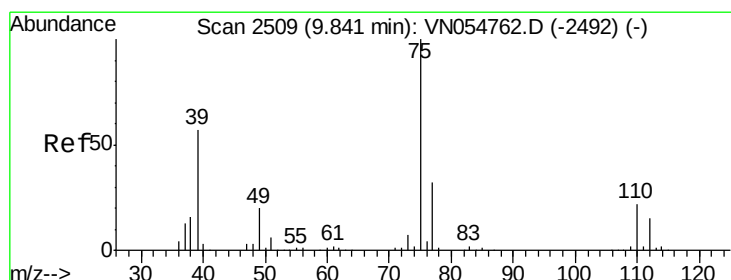
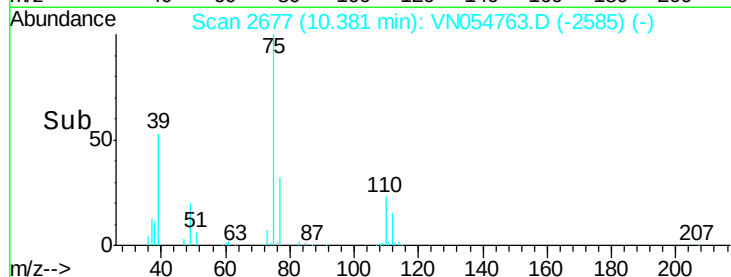
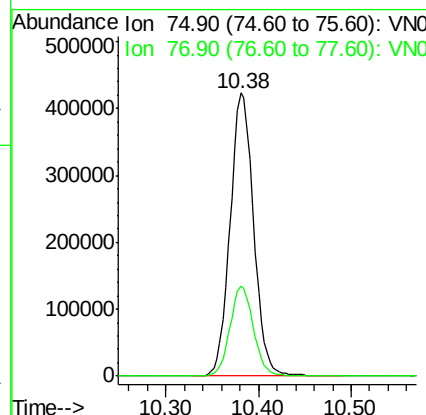
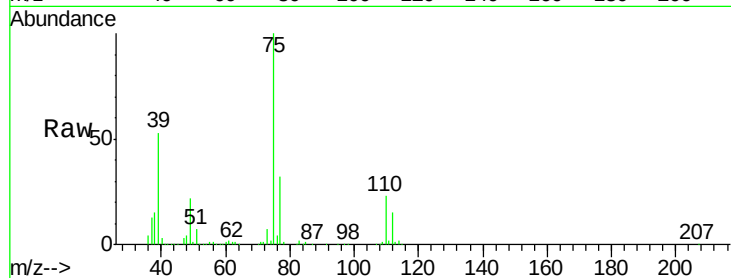
ClientSampleId :

Tot Ion: 75 Resp: 744989

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 109.18 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

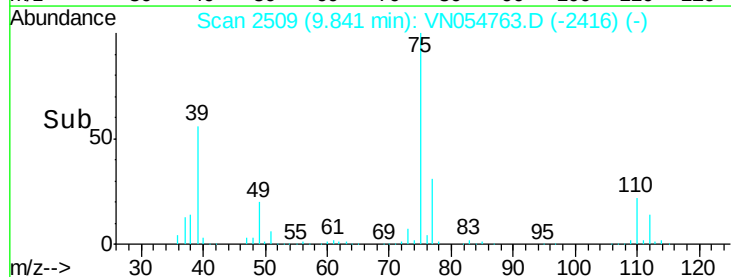
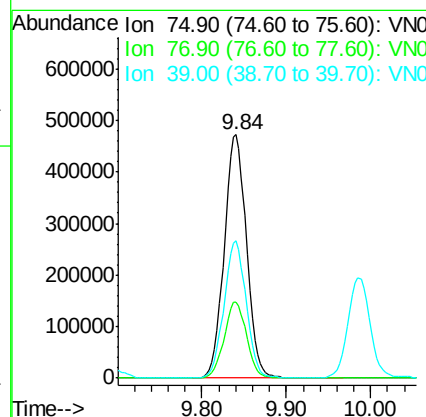
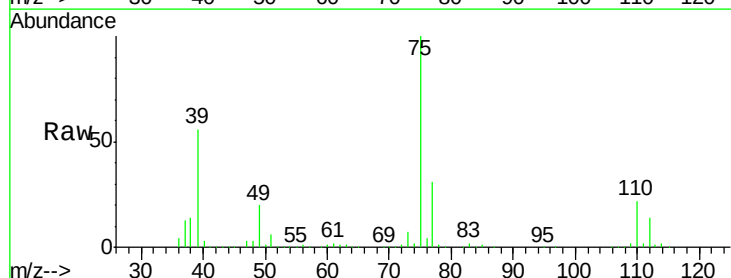
Tgt Ion: 75 Resp: 867324

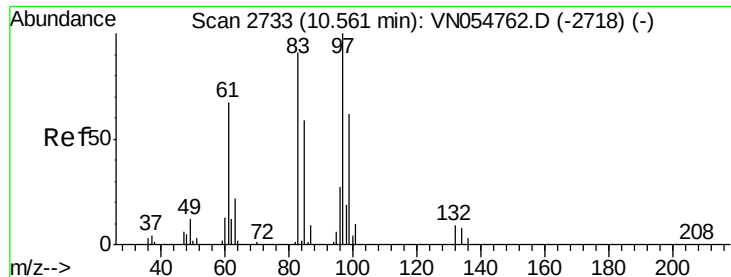
Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0

39 56.2 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 96.60 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 453284

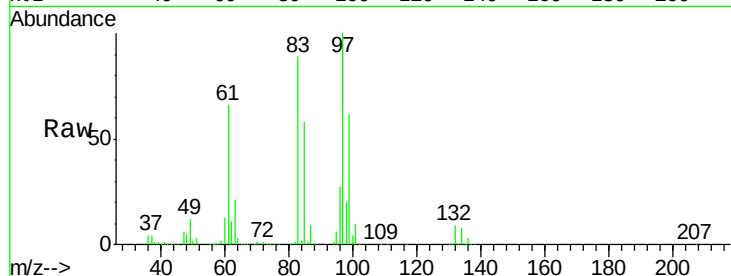
Ion	Ratio	Lower	Upper
97	100		
83	88.8	66.6	100.0
85	57.7	44.4	66.6
99	62.2	50.8	76.2

97 100

83 88.8 66.6 100.0

85 57.7 44.4 66.6

99 62.2 50.8 76.2



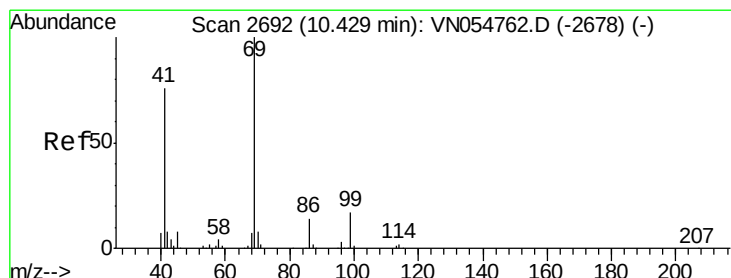
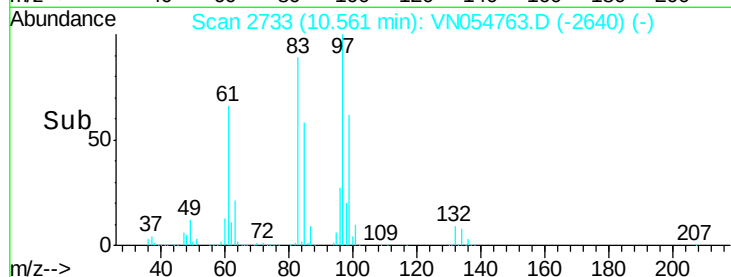
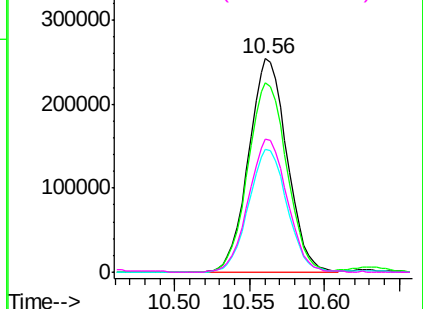
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 108.02 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

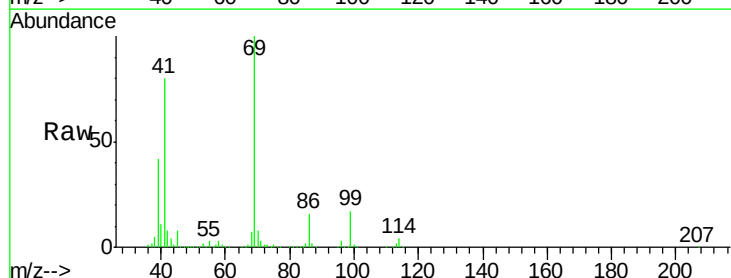
Tgt Ion: 69 Resp: 664903

Ion	Ratio	Lower	Upper
69	100		
41	77.5	49.4	74.2#
39	40.5	28.3	42.5

69 100

41 77.5 49.4 74.2#

39 40.5 28.3 42.5

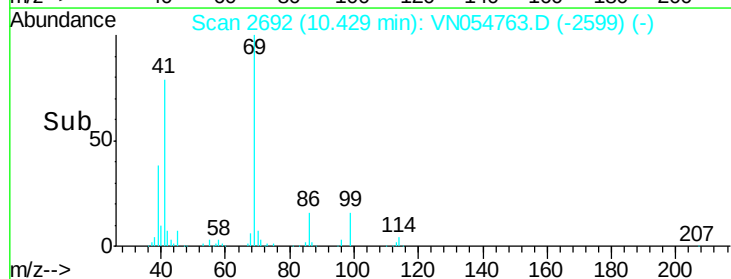
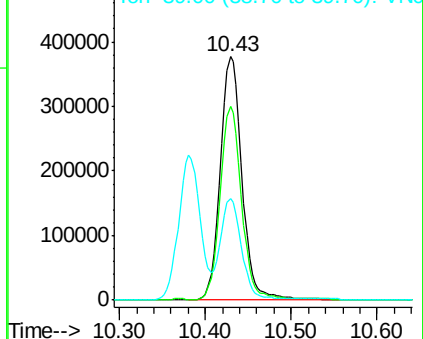


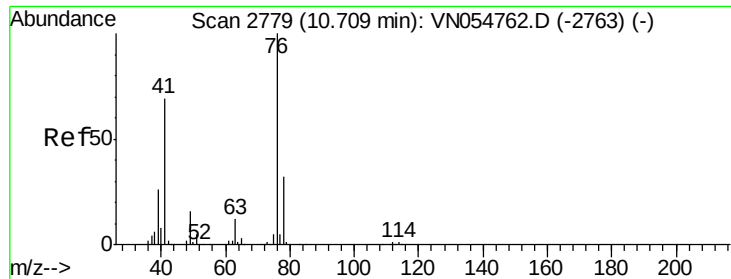
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

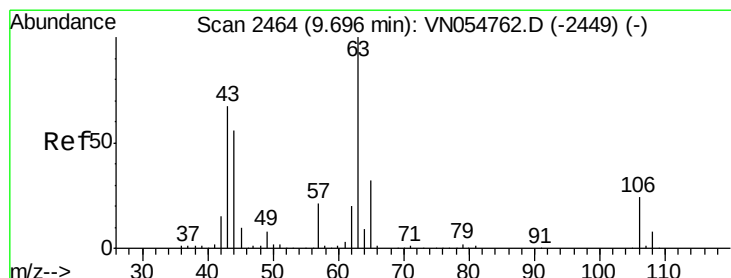
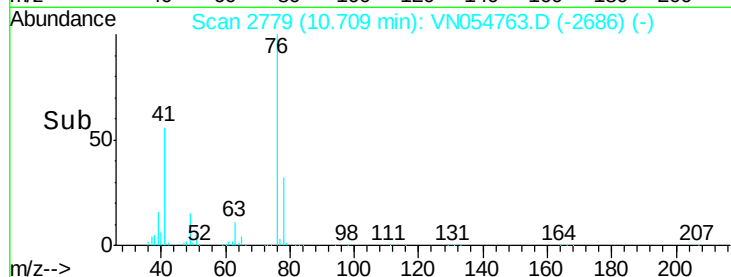
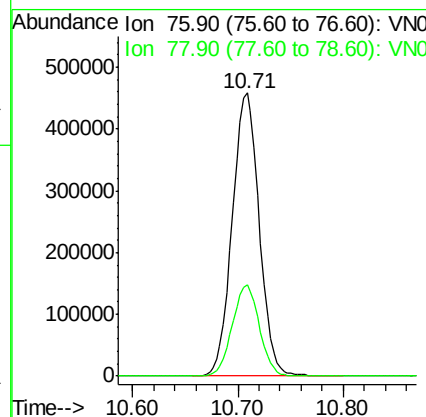
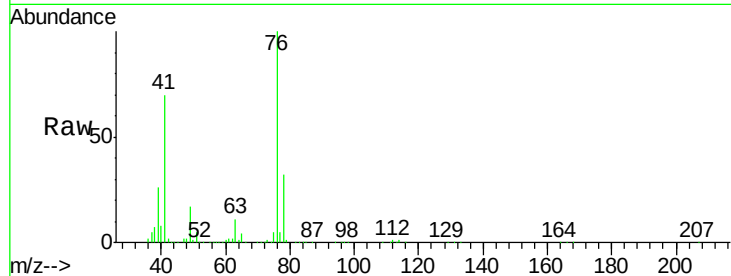




#57
 1,3-Dichloropropane
 Concen: 100.28 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

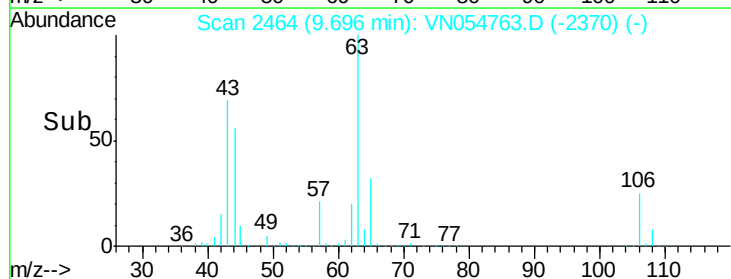
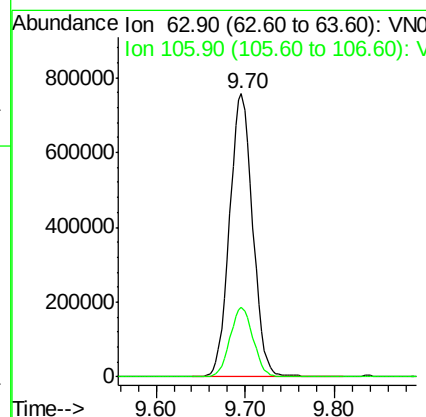
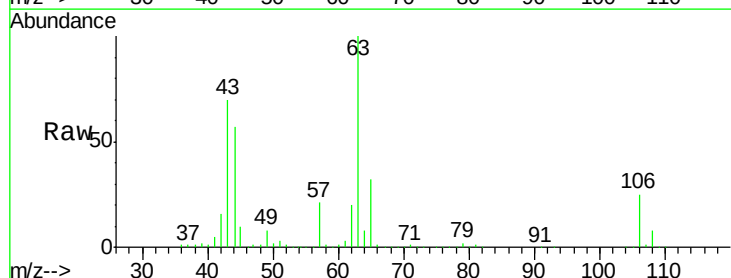
Instrument :
 MSVOA_N
 ClientSampled :

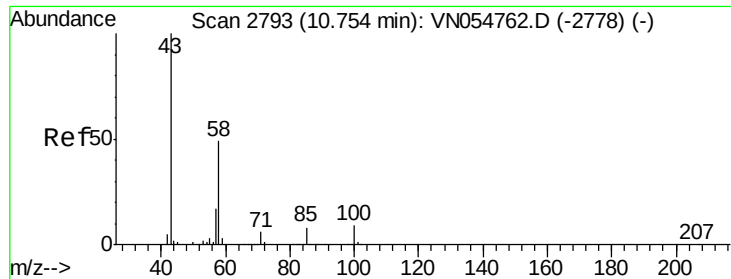
Tot Ion: 76 Resp: 808966
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 501.96 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 63 Resp: 1359779
 Ion Ratio Lower Upper
 63 100
 106 24.5 24.4 36.6

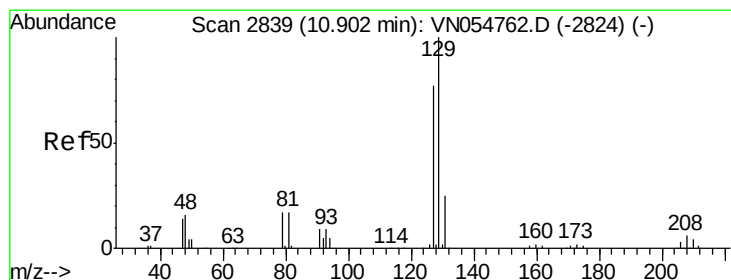
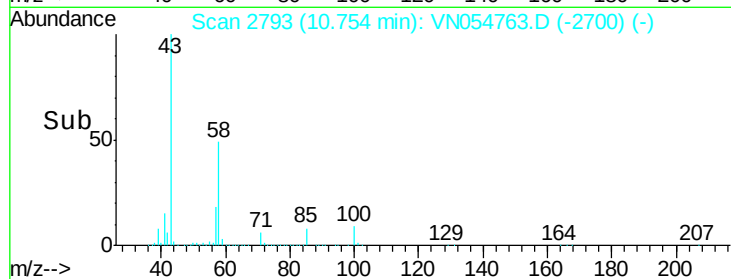
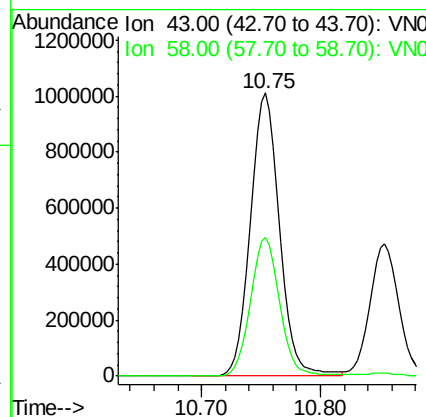
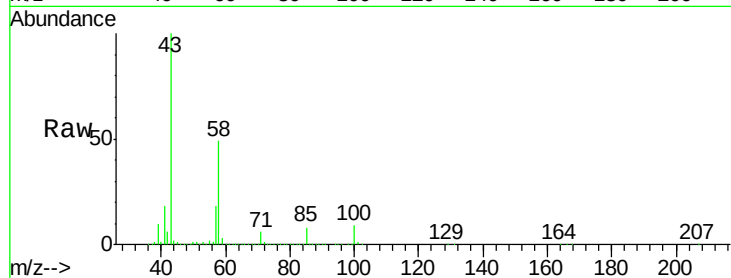




#59
2-Hexanone
Concen: 538.00 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

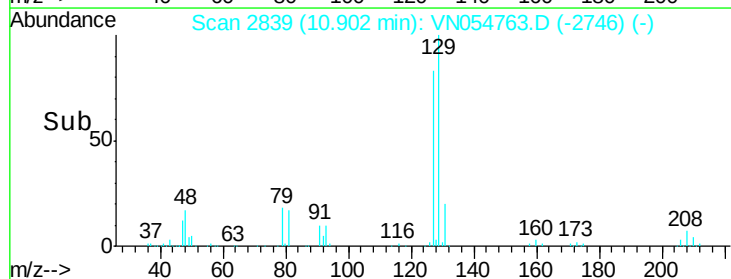
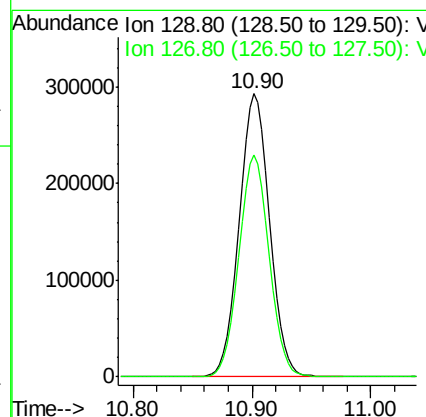
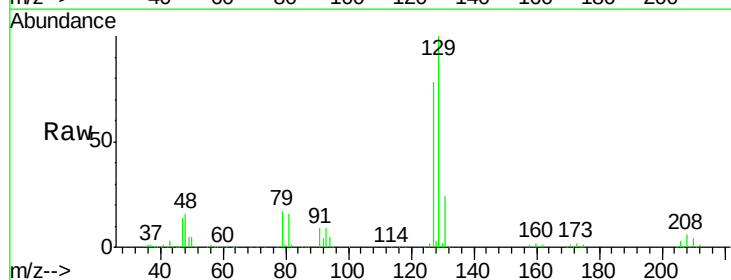
Instrument :
MSVOA_N
ClientSampleId :

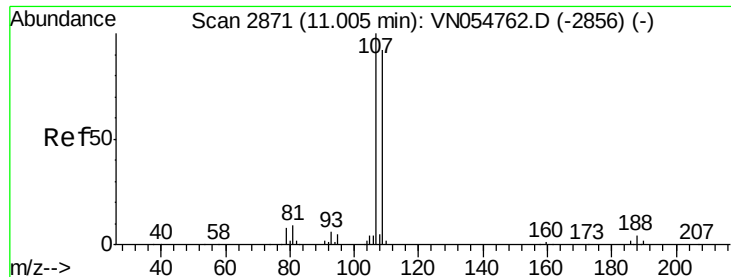
Tot Ion: 43 Resp: 1710007
Ion Ratio Lower Upper
43 100
58 49.4 28.0 83.9



#60
Dibromochloromethane
Concen: 109.07 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 129 Resp: 518432
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 101.88 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

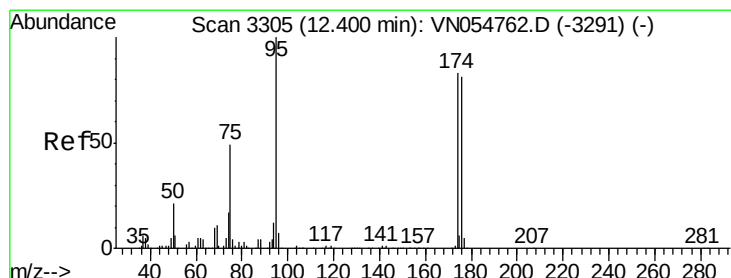
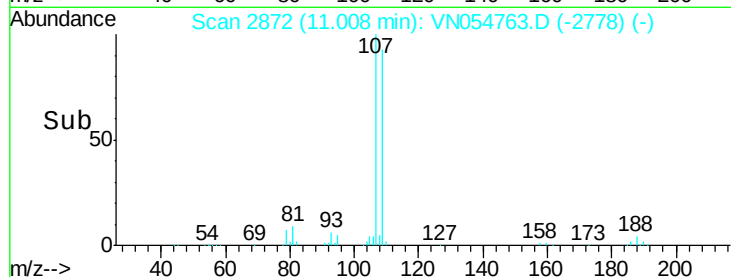
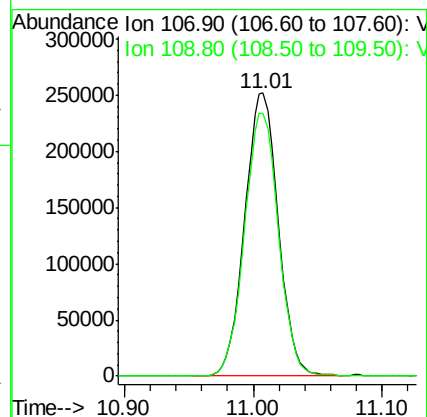
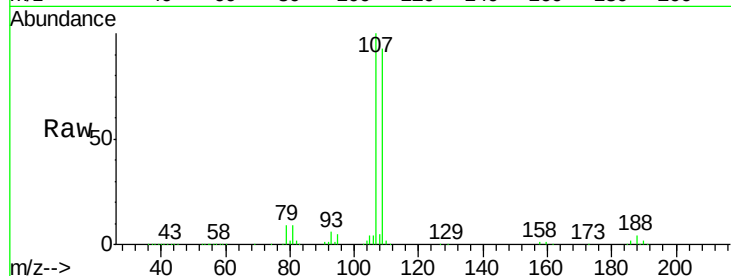
ClientSampled :

Tot Ion:107 Resp: 456836

Ion Ratio Lower Upper

107 100

109 94.3 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 99.58 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

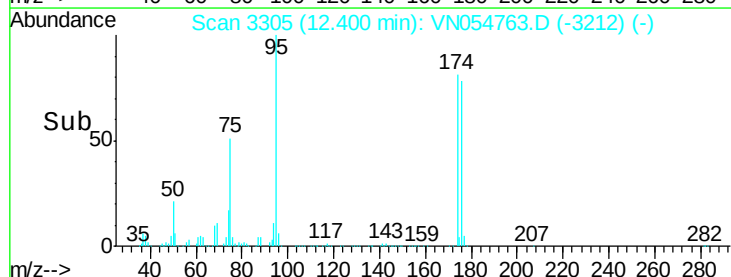
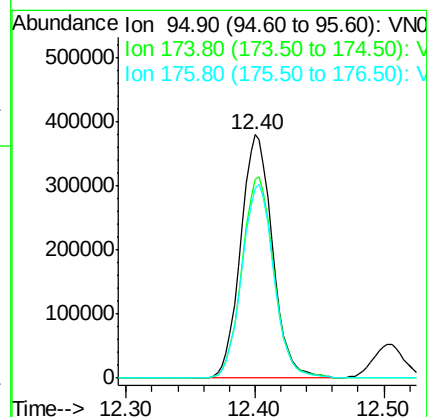
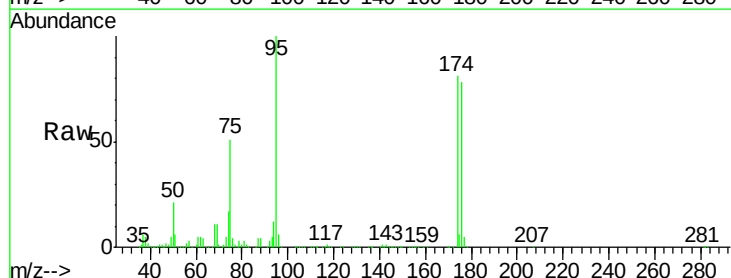
Tgt Ion: 95 Resp: 652885

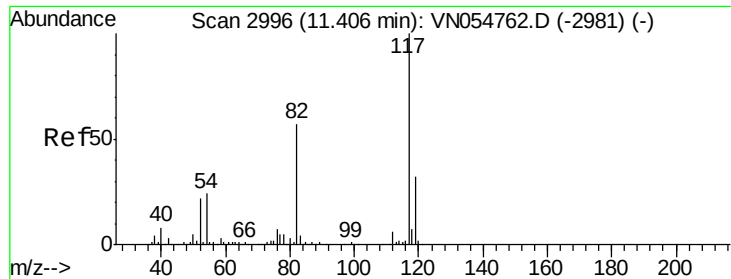
Ion Ratio Lower Upper

95 100

174 83.0 0.0 191.0

176 80.1 0.0 187.4

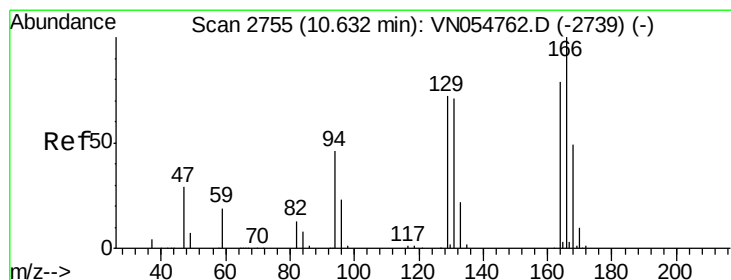
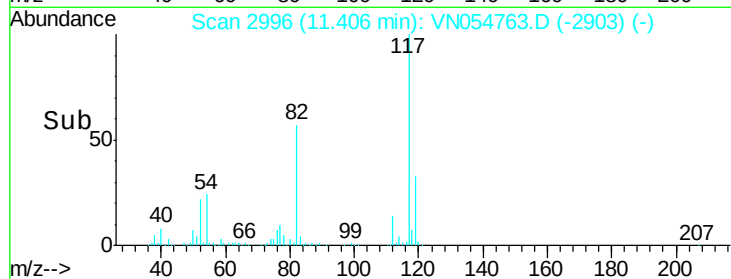
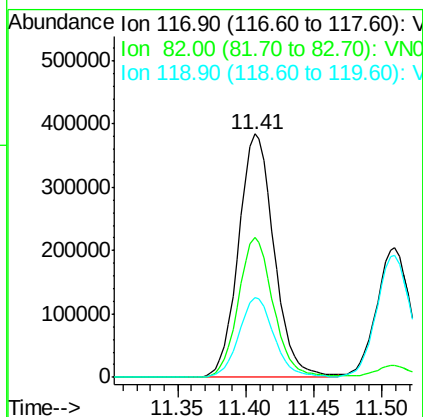
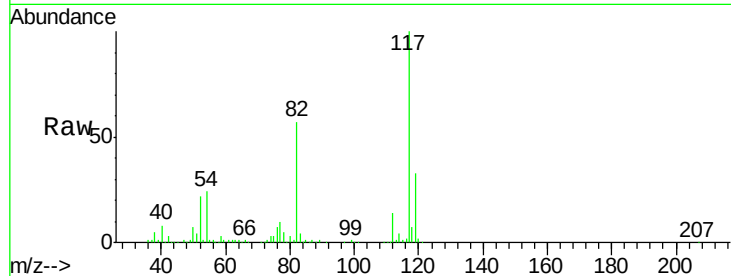




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

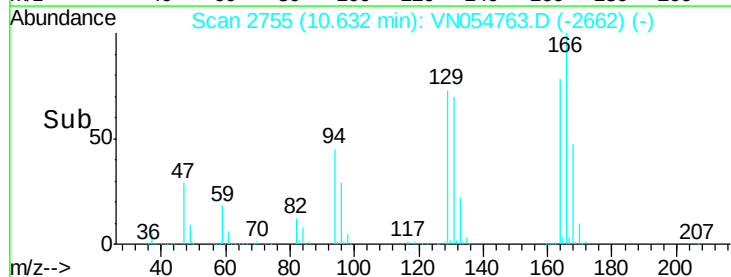
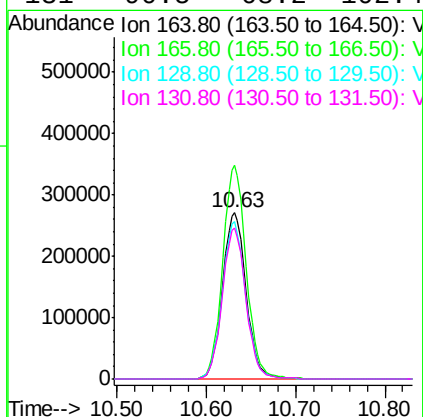
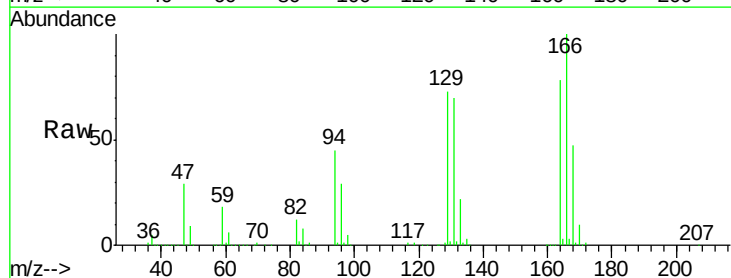
Instrument :
MSVOA_N
ClientSampled :

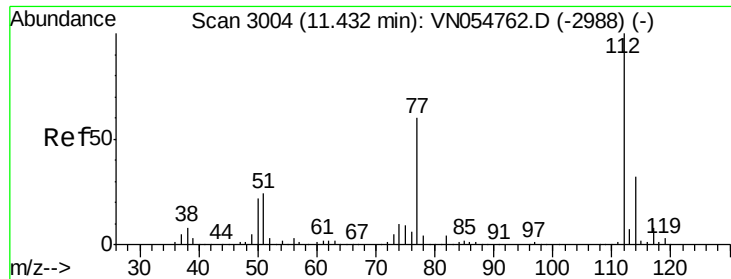
Tot Ion:117 Resp: 696012
Ion Ratio Lower Upper
117 100
82 57.4 40.0 60.0
119 32.6 25.8 38.6



#64
Tetrachloroethene
Concen: 93.10 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion:164 Resp: 497272
Ion Ratio Lower Upper
164 100
166 128.5 103.9 155.9
129 94.5 71.1 106.7
131 90.5 68.2 102.4

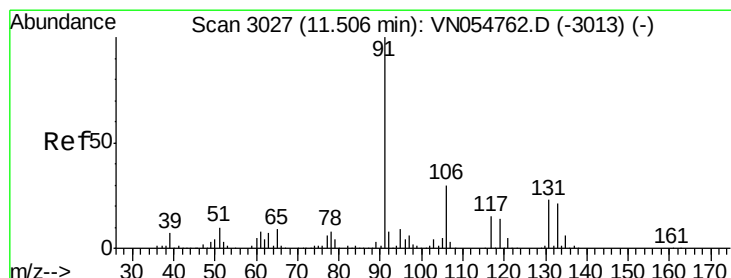
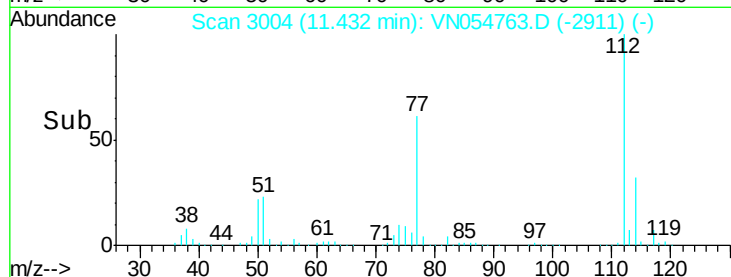
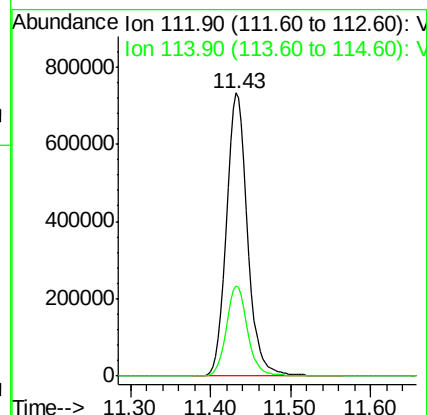
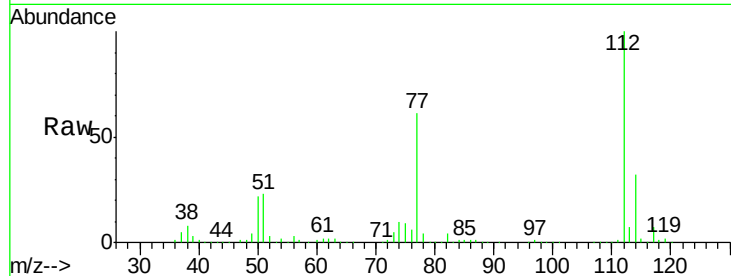




#65
Chlorobenzene
Concen: 97.94 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

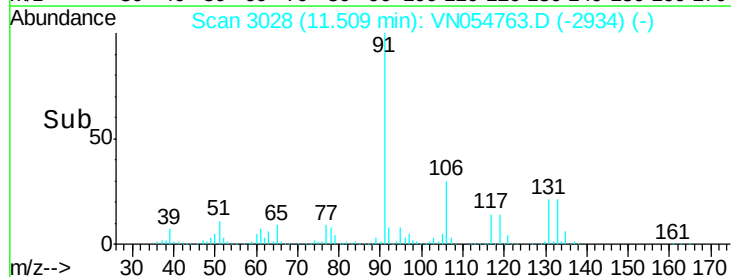
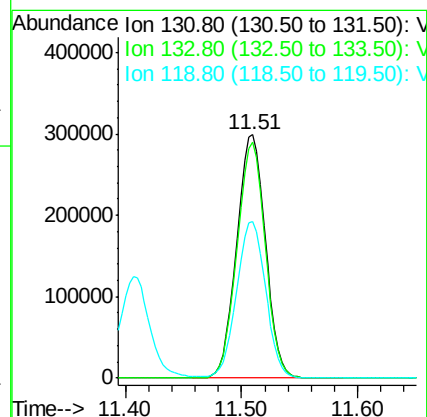
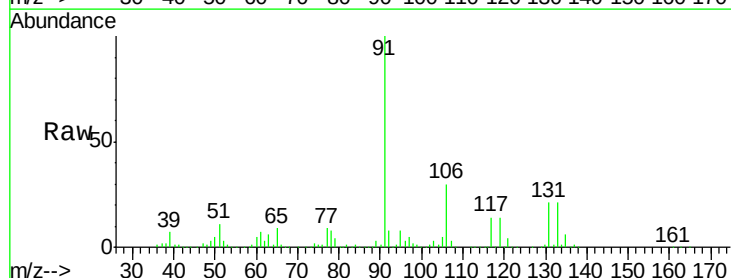
Instrument :
MSVOA_N
ClientSampled :

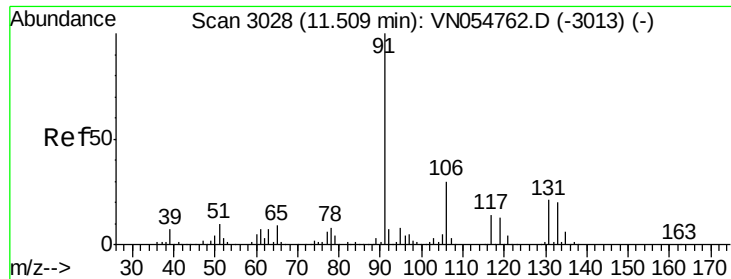
Tot Ion:112 Resp: 1334678
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 100.18 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion:131 Resp: 510974
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.9
119 65.0 32.4 97.0

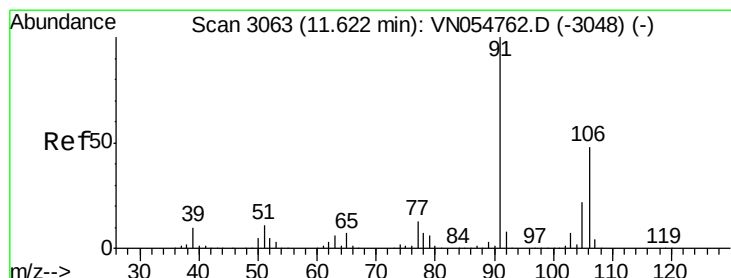
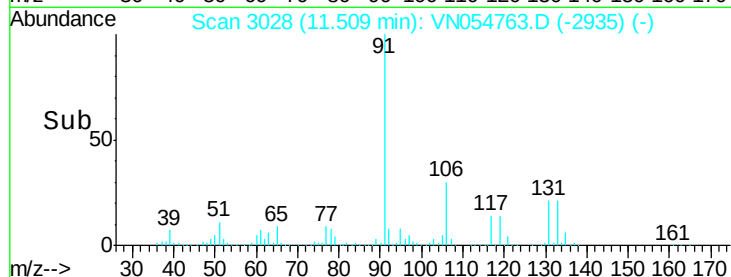
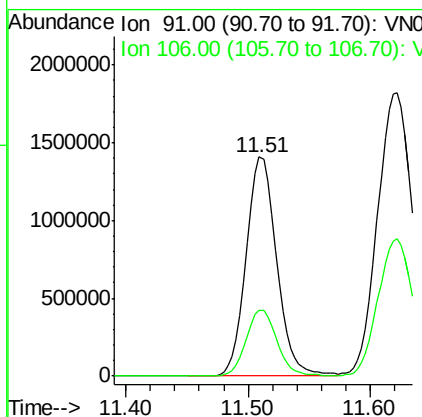
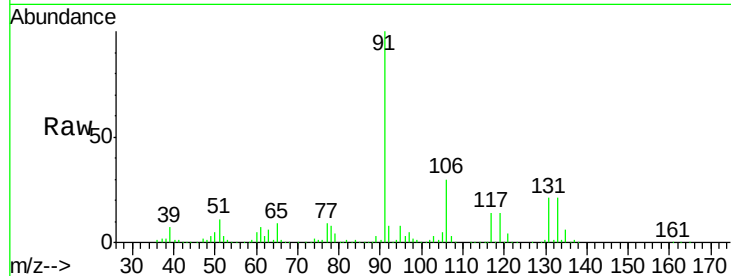




#67
Ethyl Benzene
Concen: 99.10 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

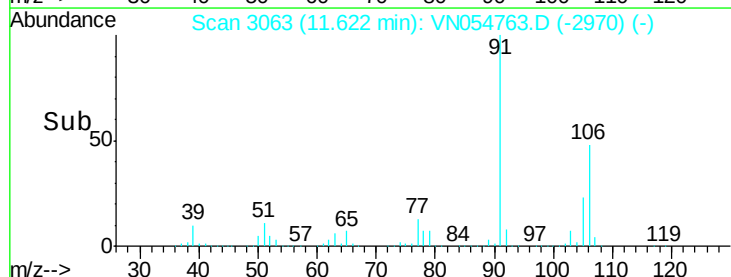
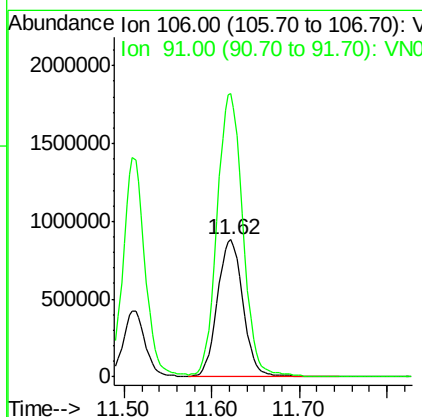
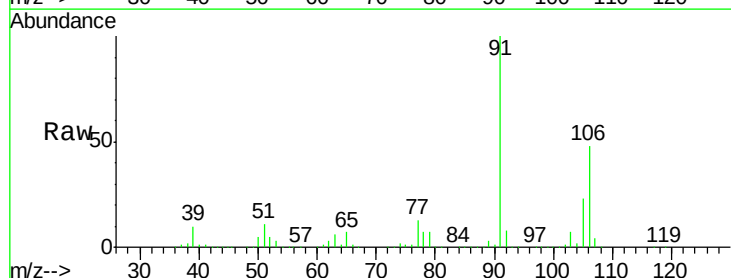
Instrument :
MSVOA_N
ClientSampled :

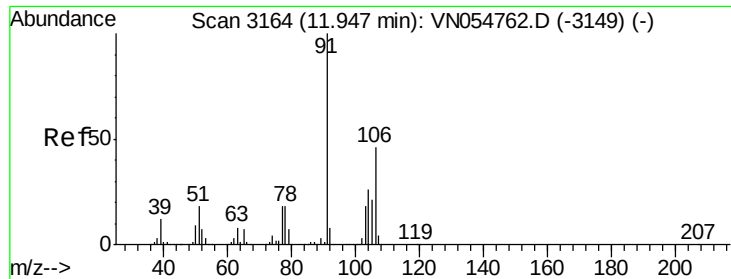
Tot Ion: 91 Resp: 2436872
Ion Ratio Lower Upper
91 100
106 30.2 25.5 38.3



#68
m/p-Xylenes
Concen: 198.06 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion: 106 Resp: 1802376
Ion Ratio Lower Upper
106 100
91 207.2 159.4 239.2

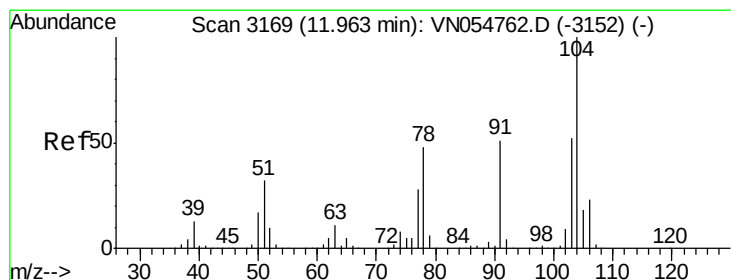
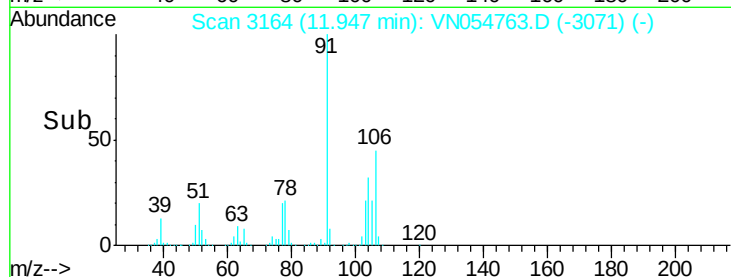
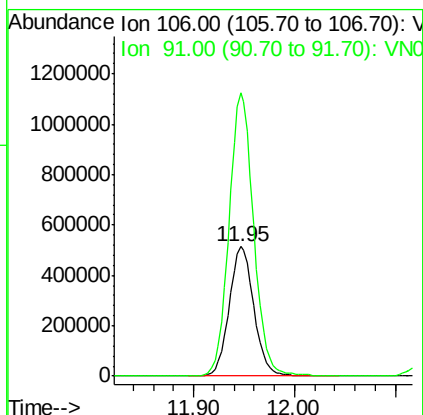
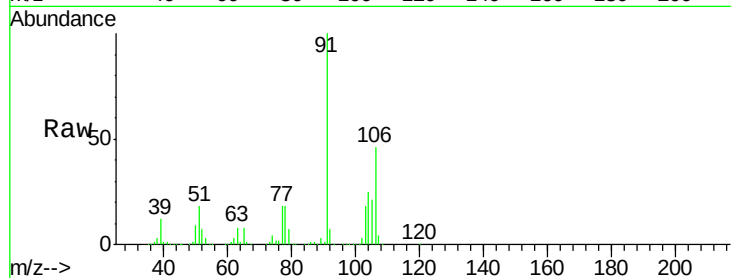




#69
o-Xylene
Concen: 98.33 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

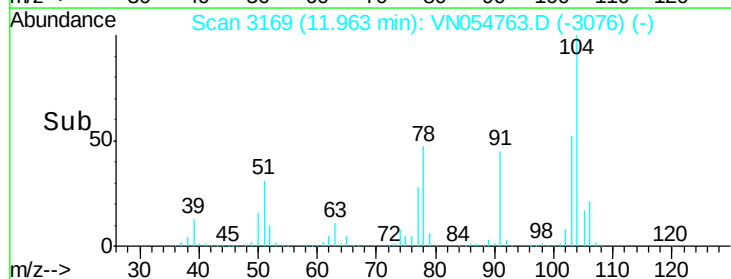
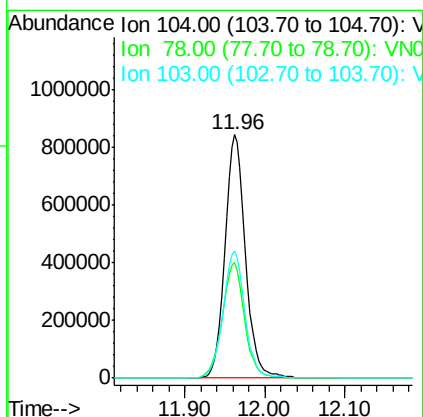
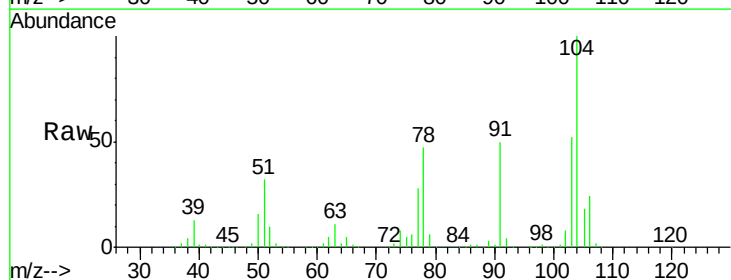
Instrument :
MSVOA_N
ClientSampled :

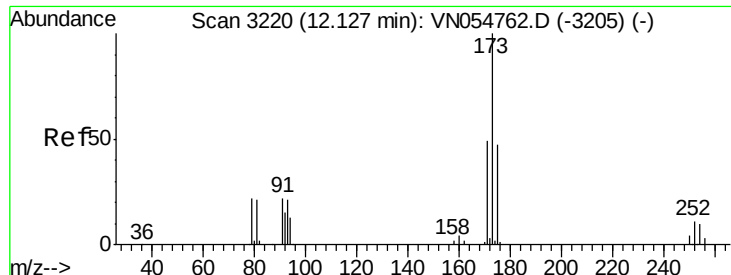
Tot Ion:106 Resp: 877418
Ion Ratio Lower Upper
106 100
91 217.4 105.7 317.1



#70
Styrene
Concen: 104.10 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054763.D
Acq: 29 Mar 2019 11:46

Tgt Ion:104 Resp: 1485350
Ion Ratio Lower Upper
104 100
78 51.9 38.2 57.2
103 55.9 44.4 66.6





#71

Bromoform

Concen: 113.08 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

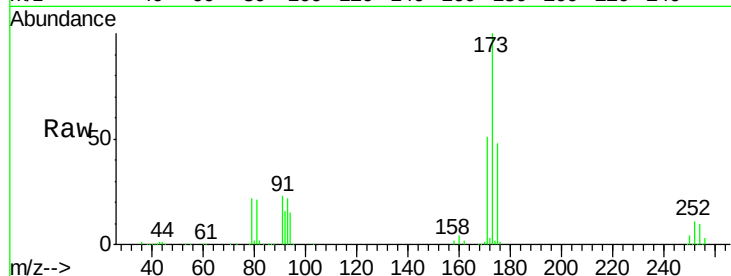
Tot Ion:173 Resp: 337890

Ion Ratio Lower Upper

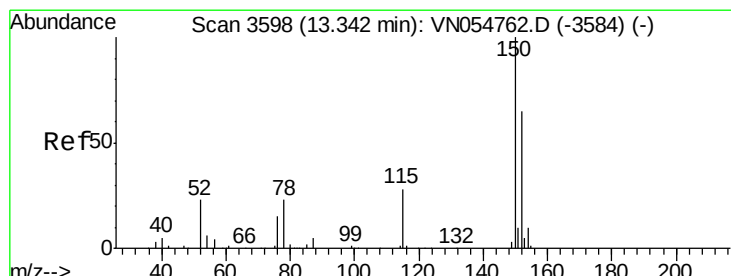
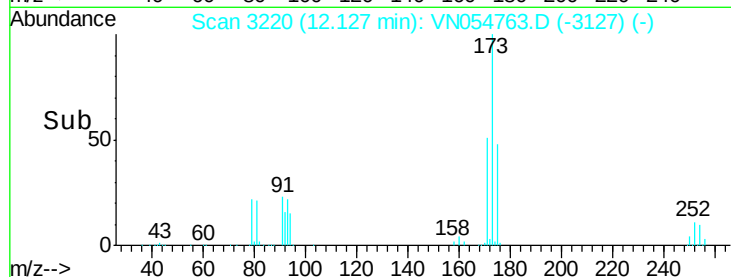
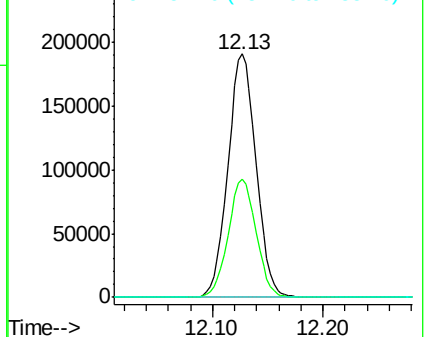
173 100

175 48.2 24.4 73.2

254 0.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

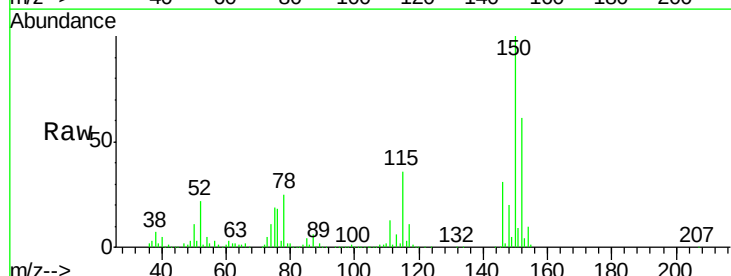
Tgt Ion:152 Resp: 316066

Ion Ratio Lower Upper

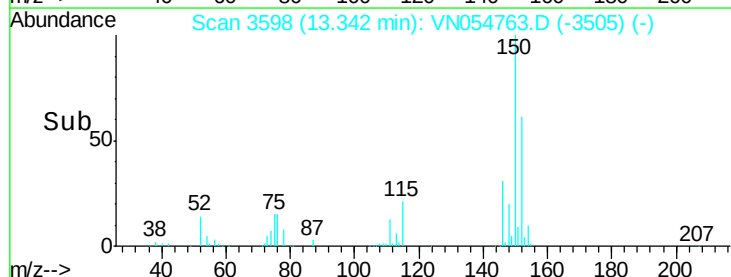
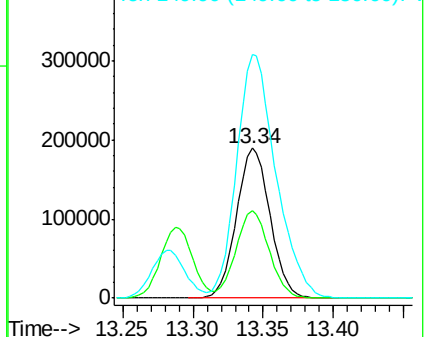
152 100

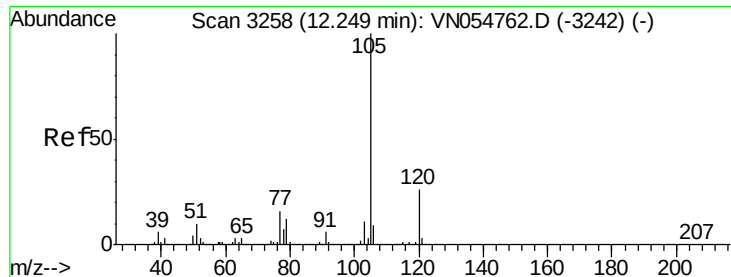
115 58.3 27.2 81.6

150 189.9 0.0 349.2



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: 89.37 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

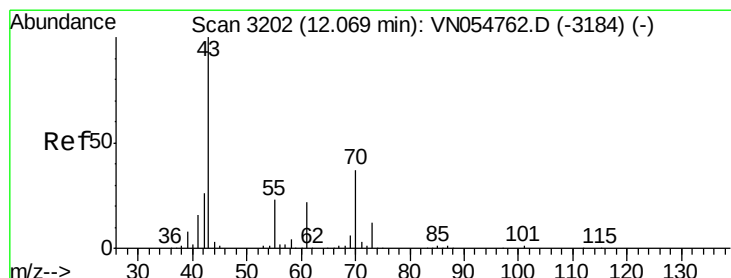
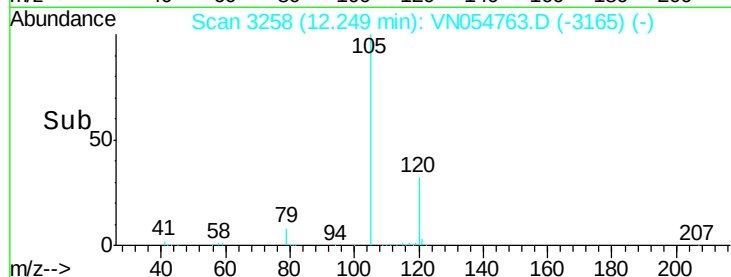
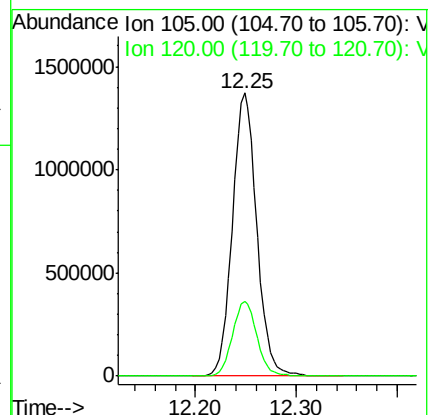
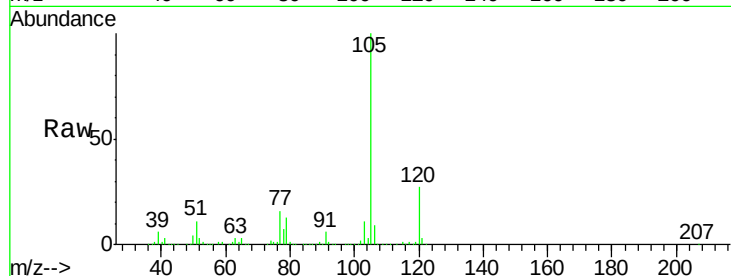
ClientSampleId :

Tot Ion:105 Resp: 2308711

Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3



#74

N-ethyl acetate

Concen: 99.26 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion: 43 Resp: 798910

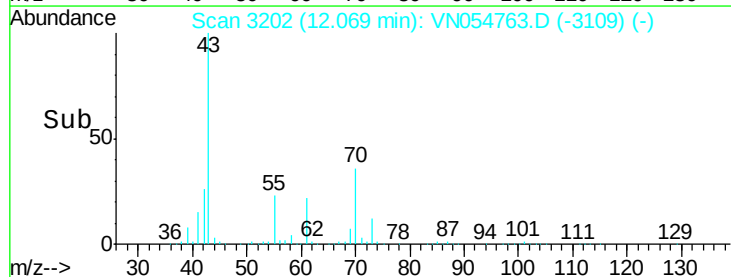
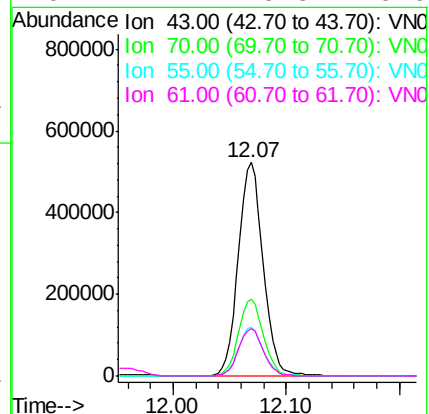
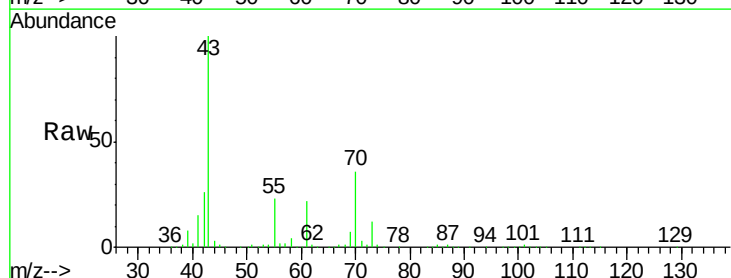
Ion Ratio Lower Upper

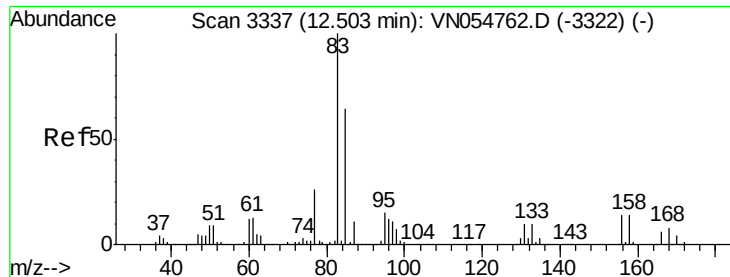
43 100

70 36.2 35.4 53.0

55 23.0 19.8 29.6

61 22.1 19.8 29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 102.82 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampleId :

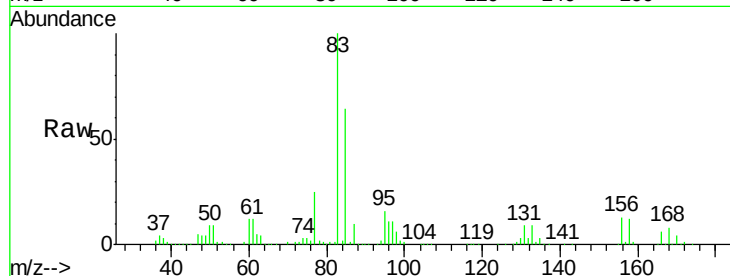
Tot Ion: 83 Resp: 575263

Ion Ratio Lower Upper

83 100

131 10.2 5.8 17.4

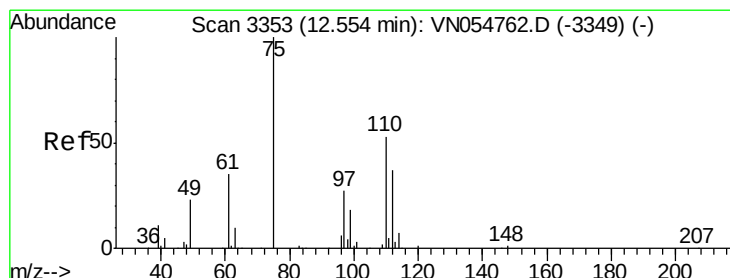
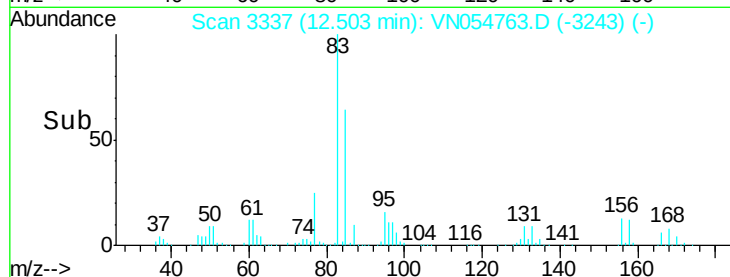
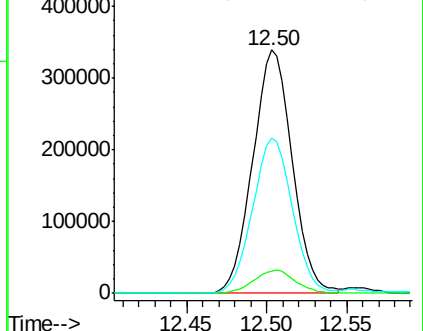
85 64.1 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 158.53 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054763.D

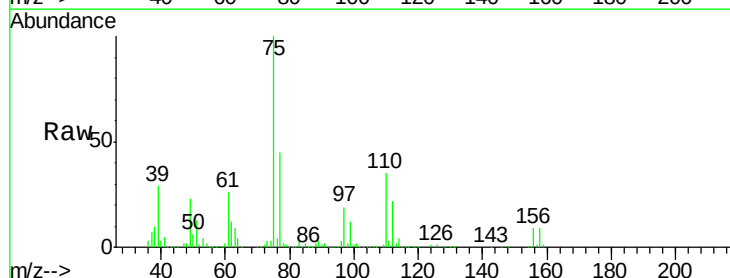
Acq: 29 Mar 2019 11:46

Tgt Ion: 75 Resp: 709833

Ion Ratio Lower Upper

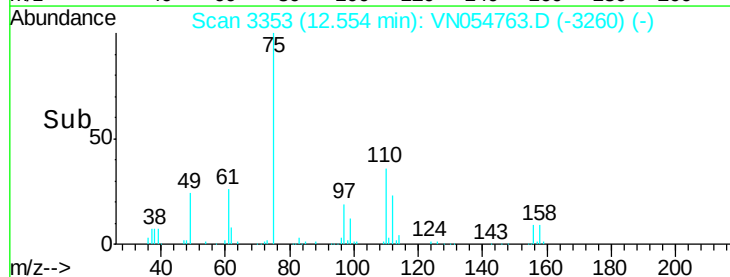
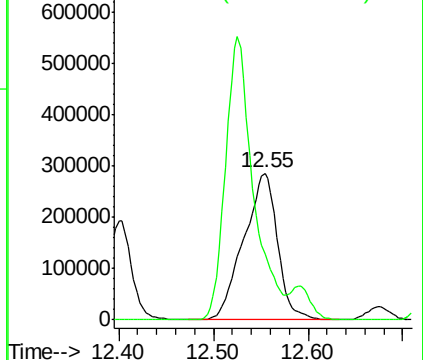
75 100

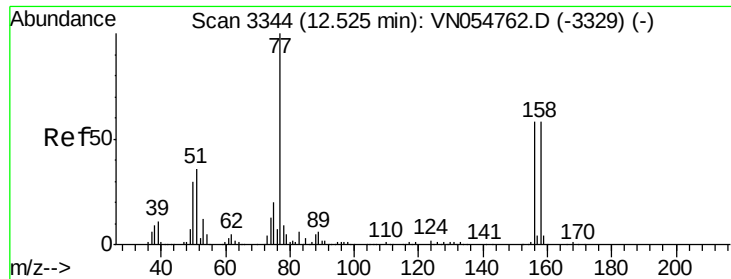
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 93.01 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

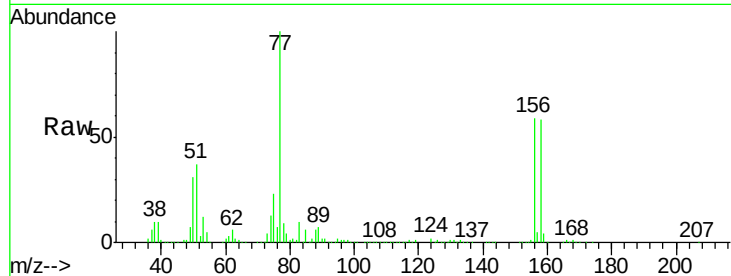
Tot Ion:156 Resp: 579905

Ion Ratio Lower Upper

156 100

77 196.0 81.5 244.4

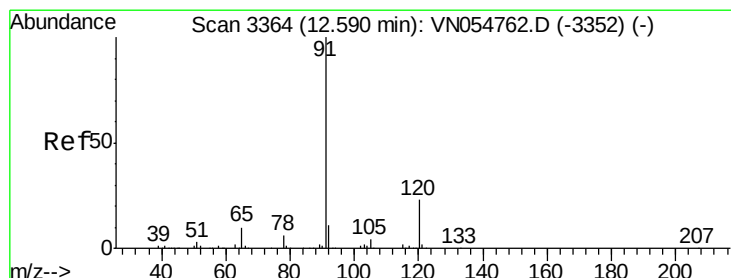
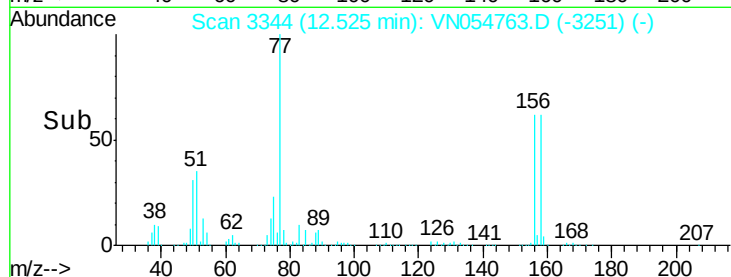
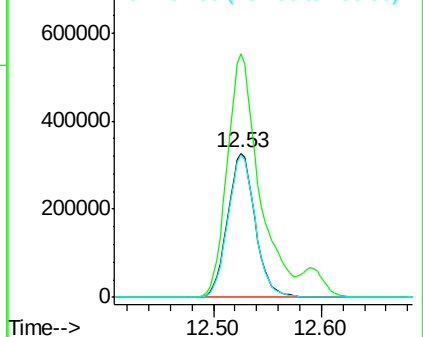
158 98.1 49.0 147.2



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: 92.36 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054763.D

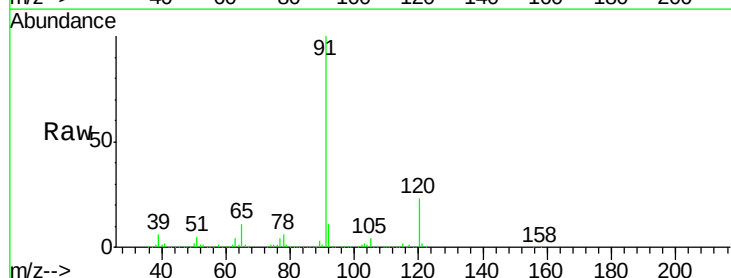
Acq: 29 Mar 2019 11:46

Tgt Ion: 91 Resp: 2622638

Ion Ratio Lower Upper

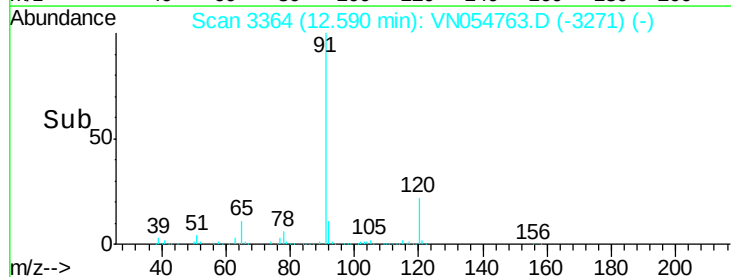
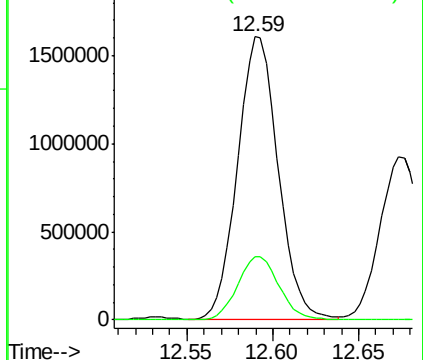
91 100

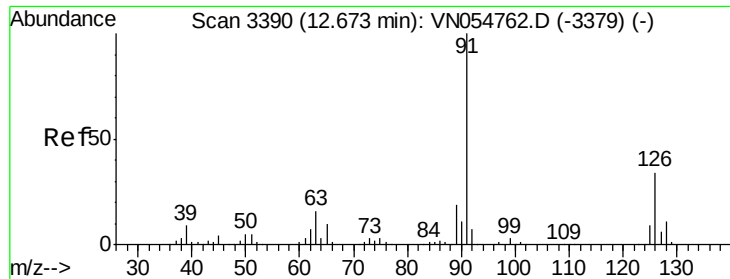
120 22.9 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 89.76 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

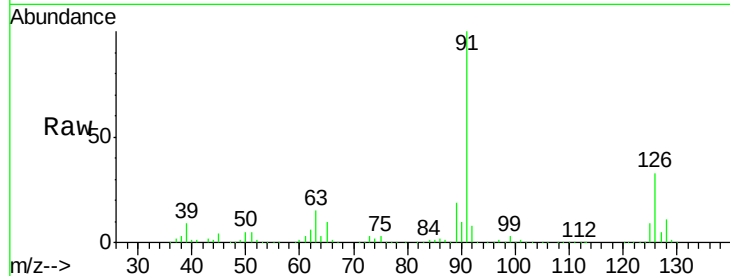
ClientSampleId :

Tot Ion: 91 Resp: 1576780

Ion Ratio Lower Upper

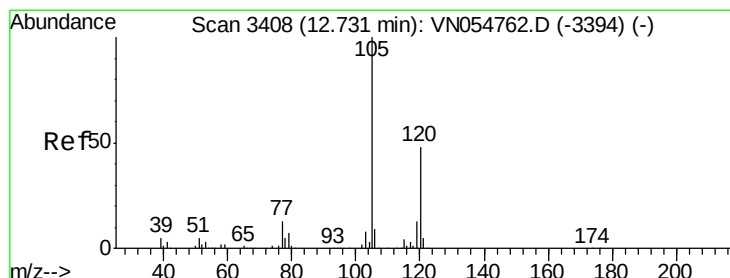
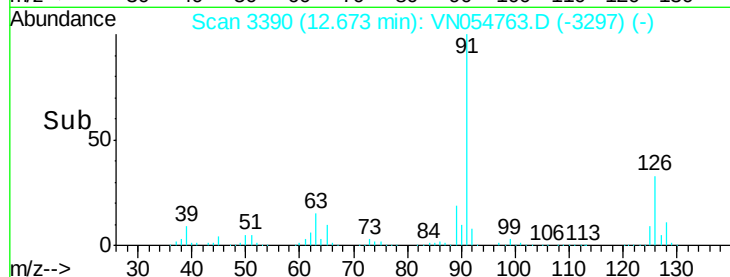
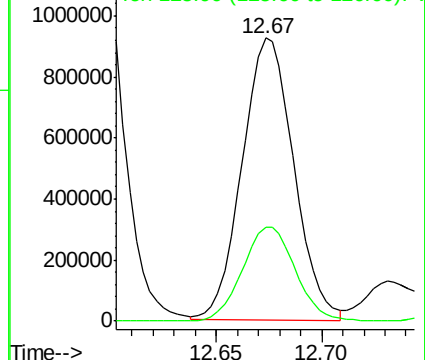
91 100

126 34.2 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054763.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN054763.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 90.30 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054763.D

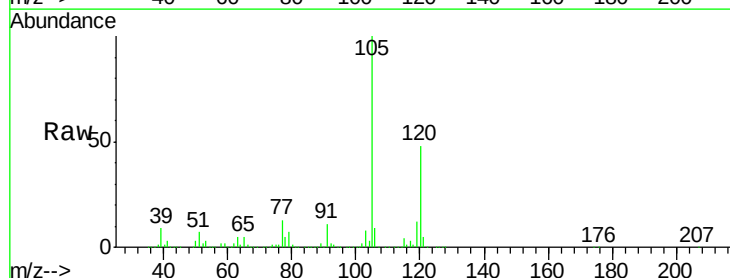
Acq: 29 Mar 2019 11:46

Tgt Ion:105 Resp: 1914153

Ion Ratio Lower Upper

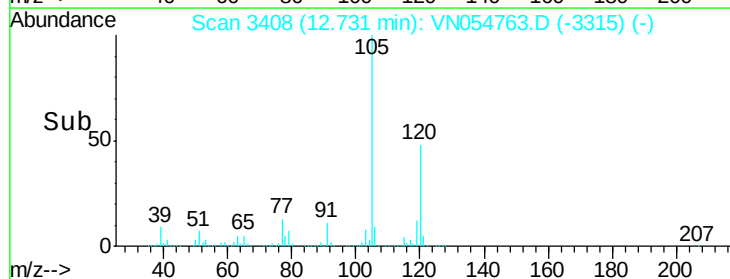
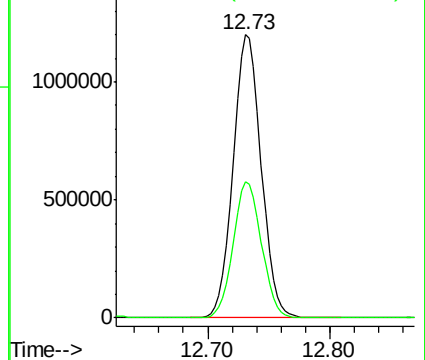
105 100

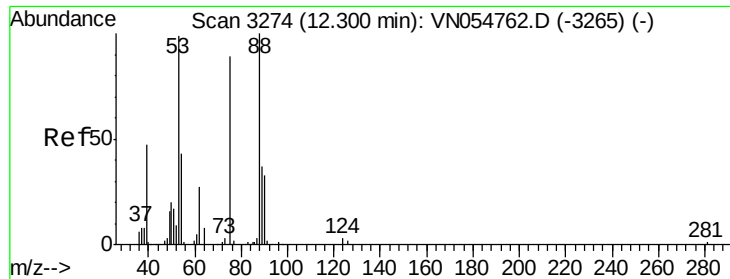
120 48.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054763.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN054763.D (-3408) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 109.93 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

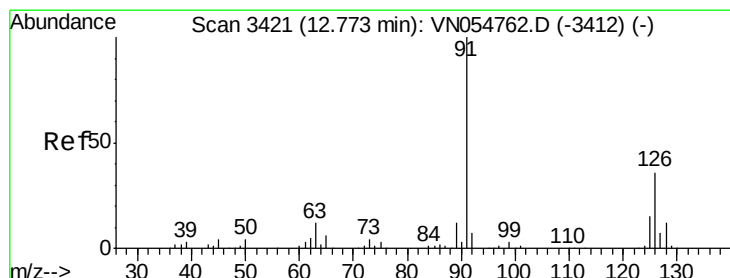
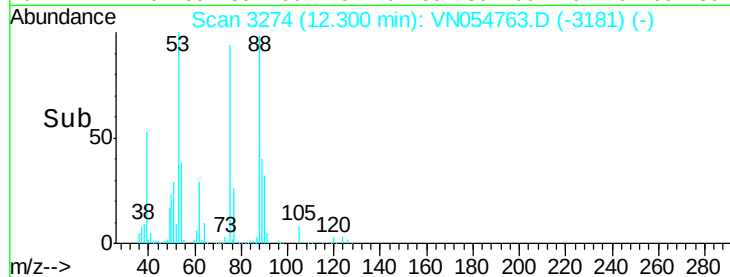
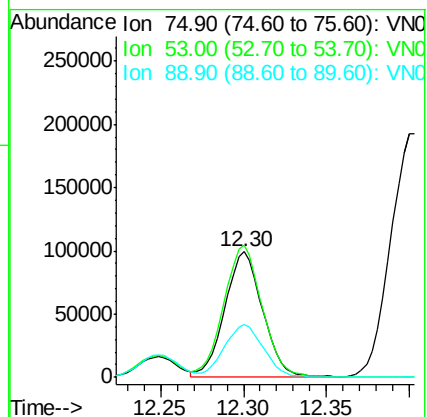
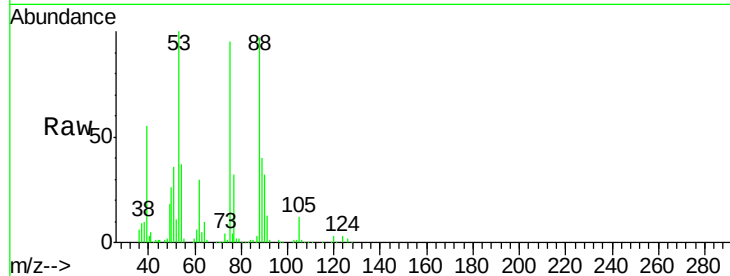
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 155180

Ion	Ratio	Lower	Upper
75	100		
53	108.7	76.2	114.2
89	44.5	39.2	58.8



#82

4-Chlorotoluene

Concen: 94.39 ug/l

RT: 12.77 min Scan# 3421

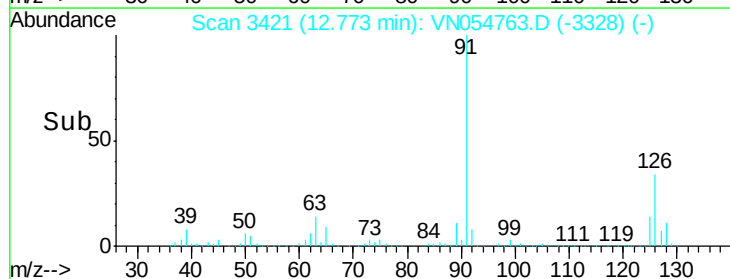
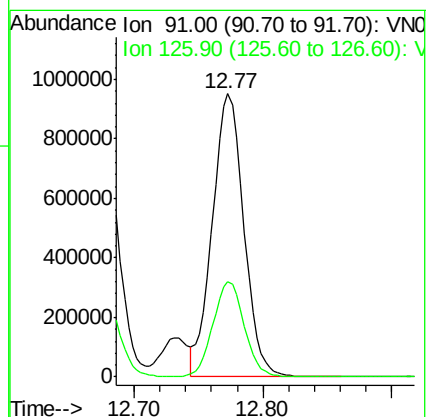
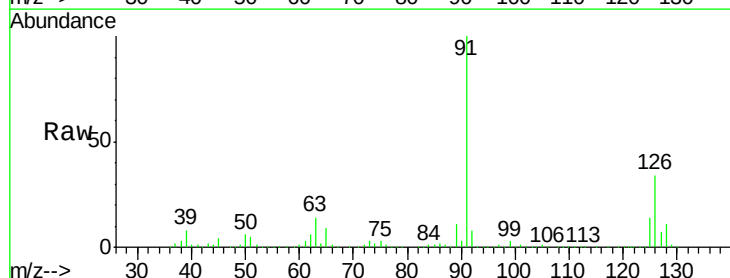
Delta R.T. -0.00 min

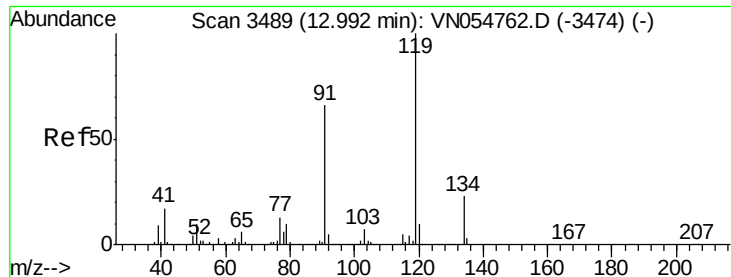
Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion: 91 Resp: 1610521

Ion	Ratio	Lower	Upper
91	100		
126	33.4	18.1	54.1

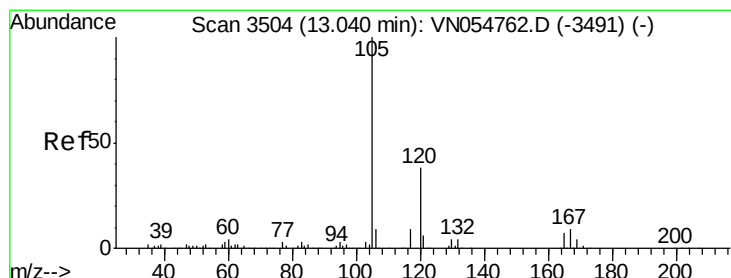
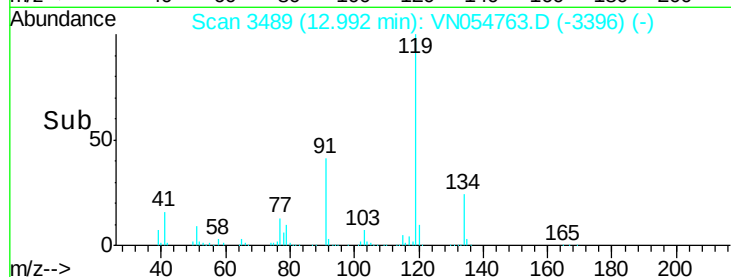
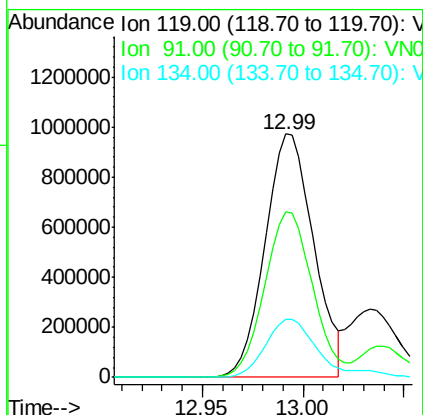
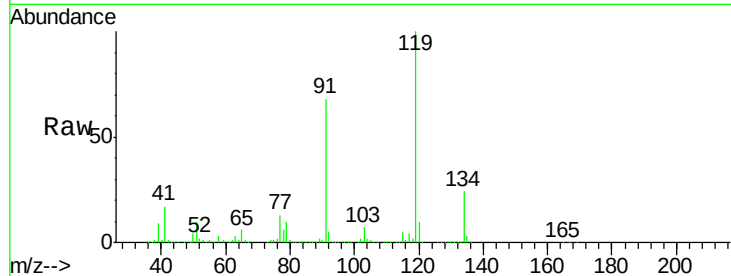




#83
 tert-Butylbenzene
 Concen: 101.25 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

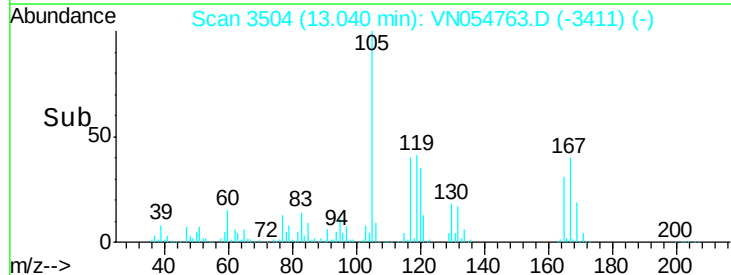
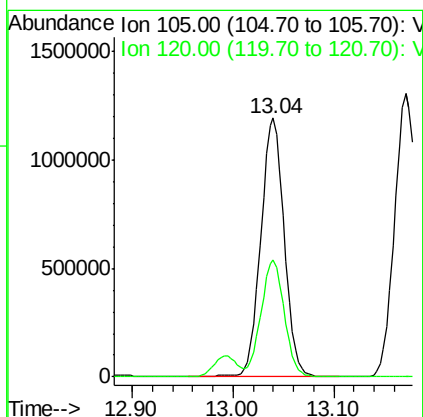
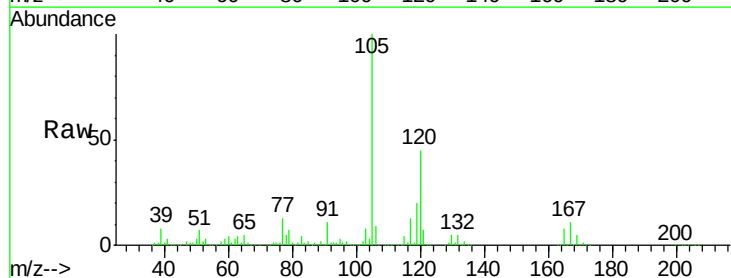
Instrument :
 MSVOA_N
 ClientSampleId :

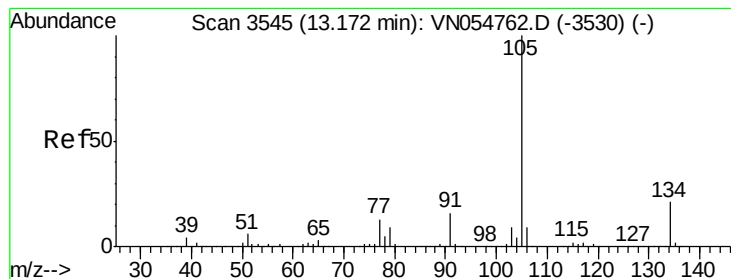
Tot Ion:119 Resp: 1627816
 Ion Ratio Lower Upper
 119 100
 91 66.7 30.9 92.8
 134 26.3 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 95.15 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion:105 Resp: 1921587
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.3





#85

sec-Butylbenzene

Concen: 90.84 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

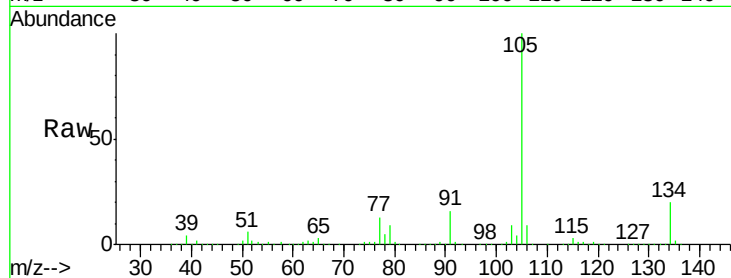
ClientSampled :

Tot Ion:105 Resp: 2091688

Ion Ratio Lower Upper

105 100

134 20.1 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

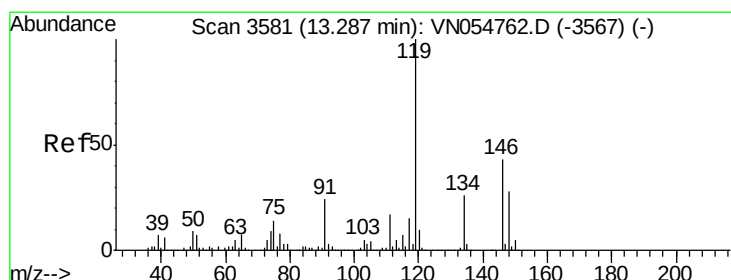
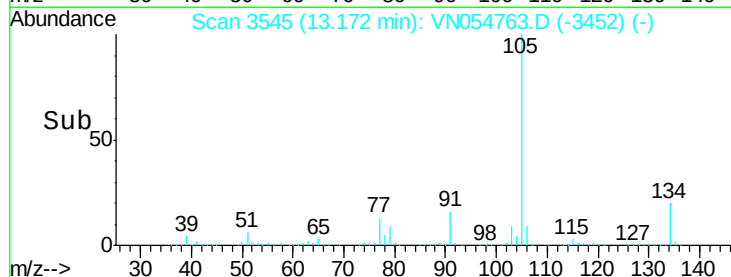
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 93.31 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

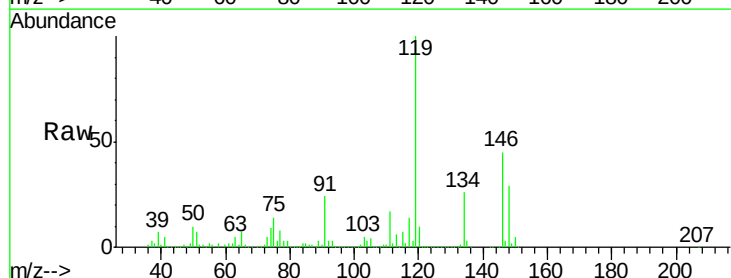
Tgt Ion:119 Resp: 1895124

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 23.8 11.1 33.3



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

13.29

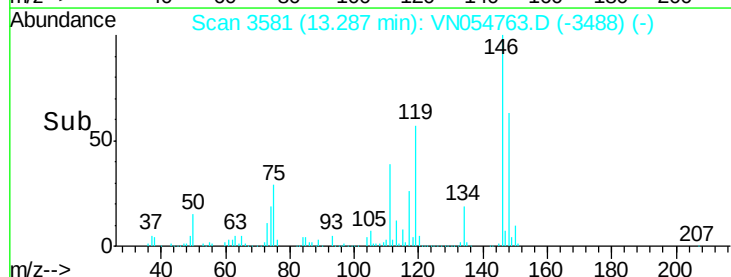
1500000

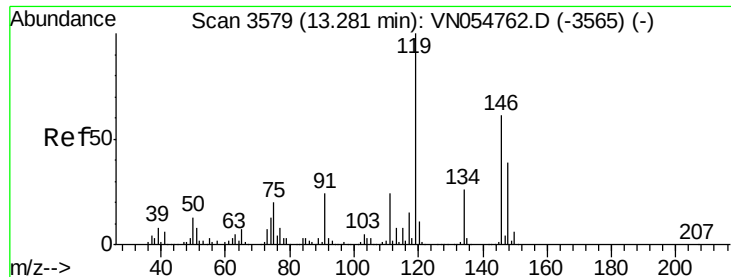
1000000

500000

0

Time-->

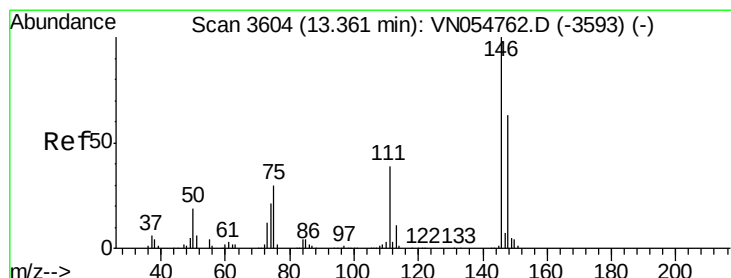
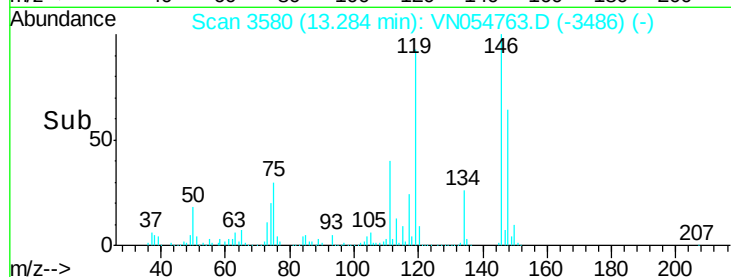
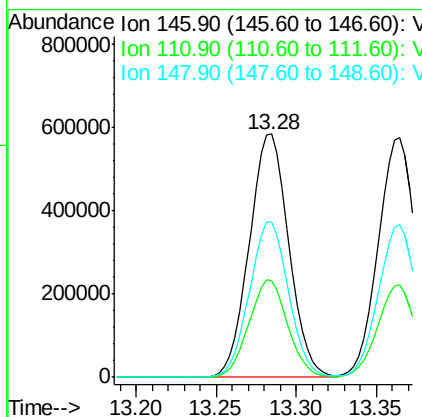
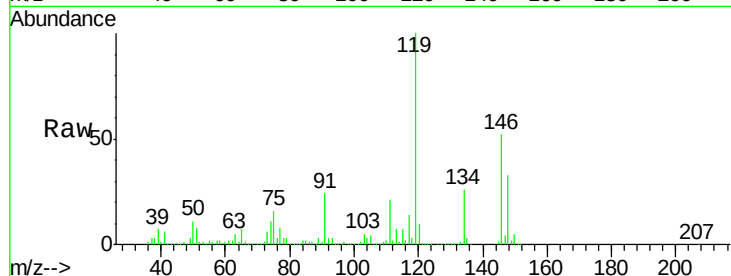




#87
 1,3-Dichlorobenzene
 Concen: 95.28 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

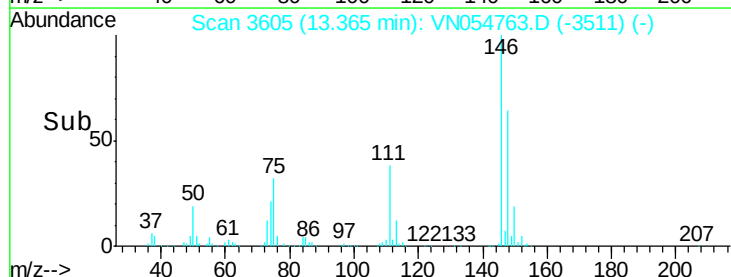
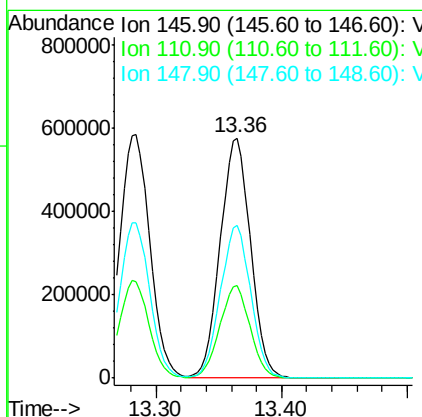
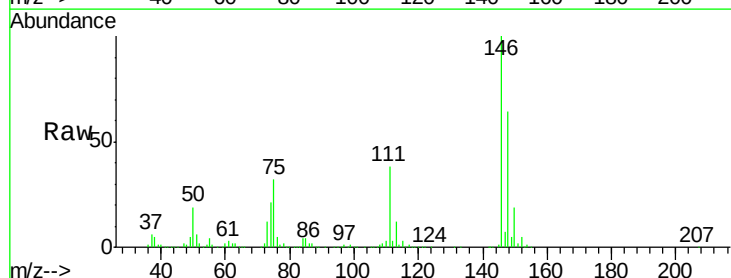
Instrument :
 MSVOA_N
 ClientSampleId :

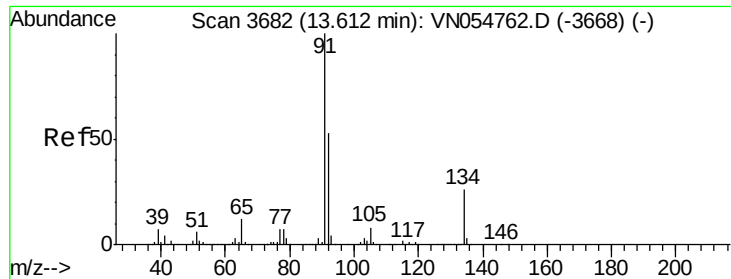
Tot Ion:146 Resp: 994558
 Ion Ratio Lower Upper
 146 100
 111 39.1 18.8 56.3
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 94.38 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion:146 Resp: 966299
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.1 54.1
 148 63.9 32.0 96.0





#89

n-Butylbenzene

Concen: 98.51 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

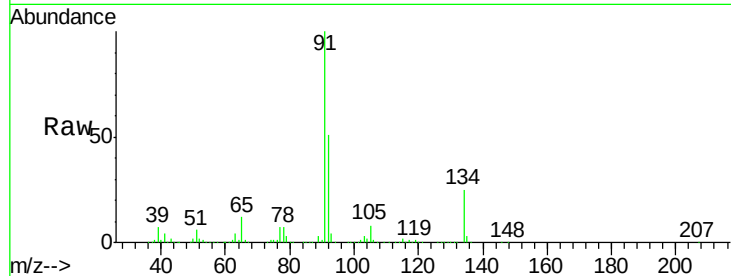
Tot Ion: 91 Resp: 1632362

Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.2	78.6
134	25.3	14.3	42.9

91 100

92 51.5 26.2 78.6

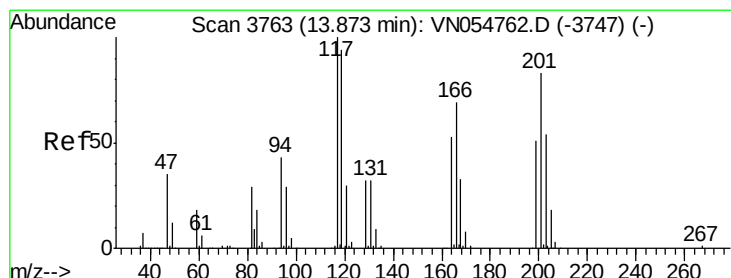
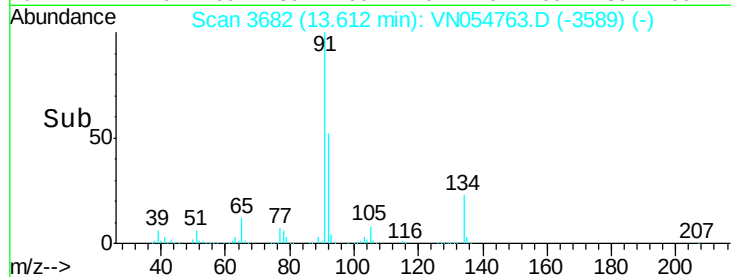
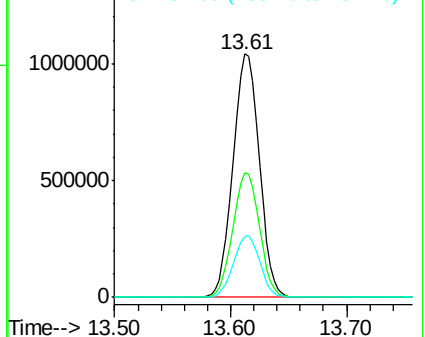
134 25.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054763.D (-3682) (-)

Ion 92.00 (91.70 to 92.70): VN054763.D (-3682) (-)

Ion 134.00 (133.70 to 134.70): VN054763.D (-3682) (-)



#90

Hexachloroethane

Concen: 97.78 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054763.D

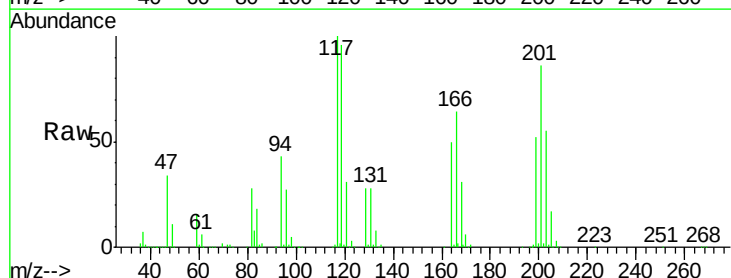
Acq: 29 Mar 2019 11:46

Tgt Ion: 117 Resp: 337178

Ion	Ratio	Lower	Upper
117	100		
201	85.7	48.1	144.4

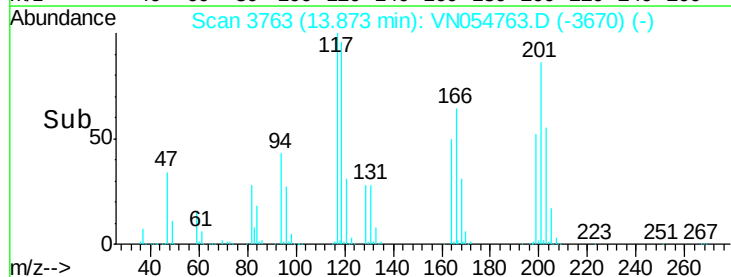
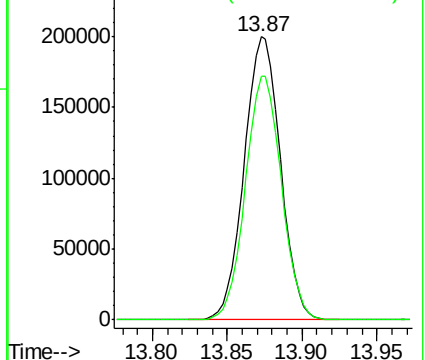
117 100

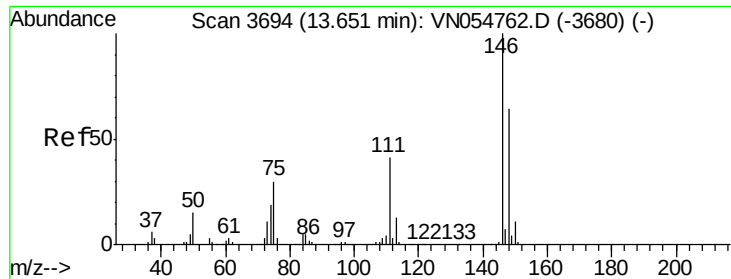
201 85.7 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054763.D (-3763) (-)

Ion 200.70 (200.40 to 201.40): VN054763.D (-3763) (-)

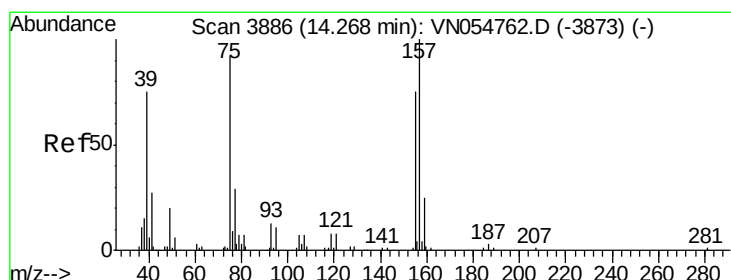
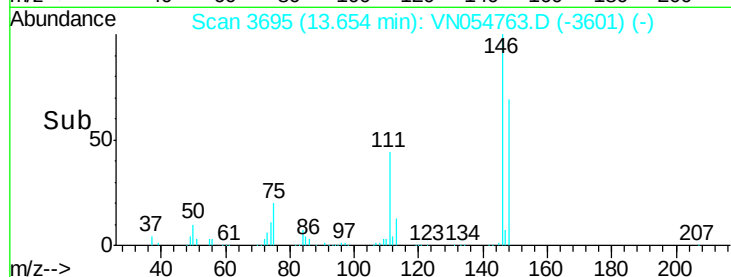
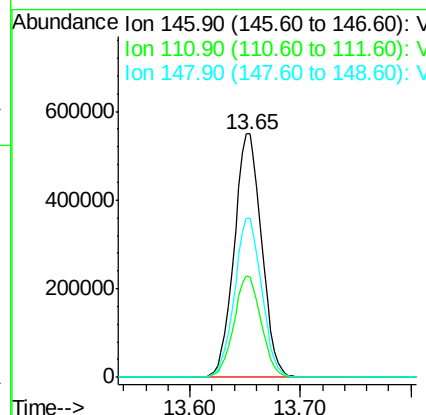
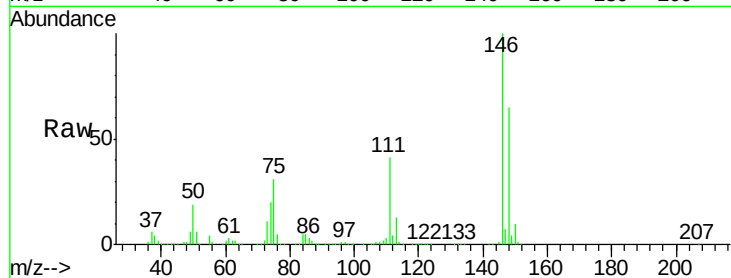




#91
 1,2-Dichlorobenzene
 Concen: 89.66 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

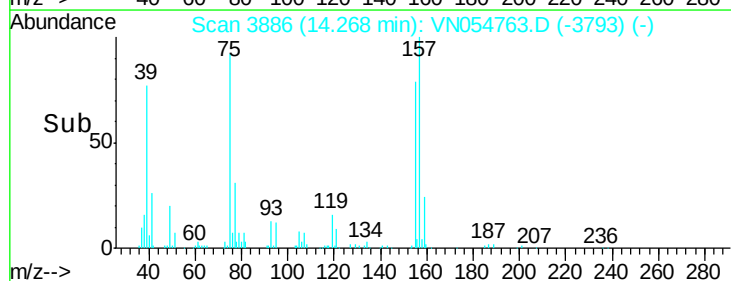
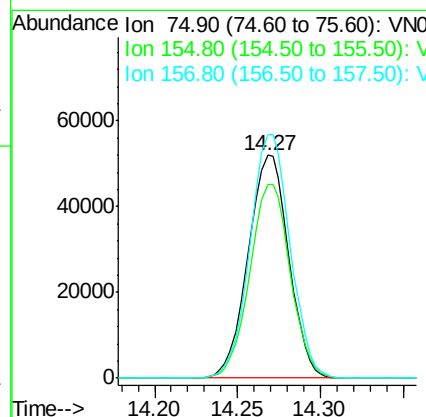
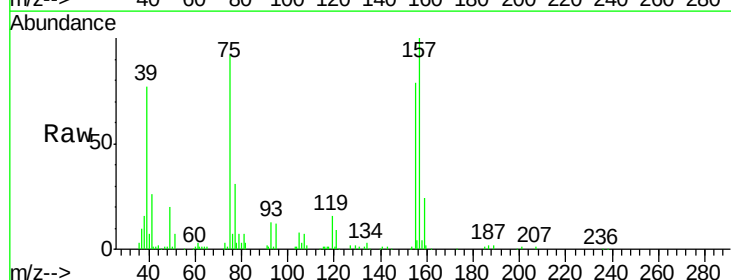
Instrument :
 MSVOA_N
 ClientSampleId :

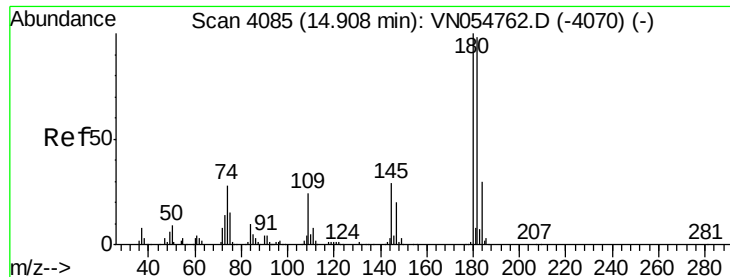
Tot Ion:146 Resp: 944545
 Ion Ratio Lower Upper
 146 100
 111 41.3 19.1 57.3
 148 64.7 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.01 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion: 75 Resp: 88327
 Ion Ratio Lower Upper
 75 100
 155 86.7 50.1 150.3
 157 108.3 63.1 189.3

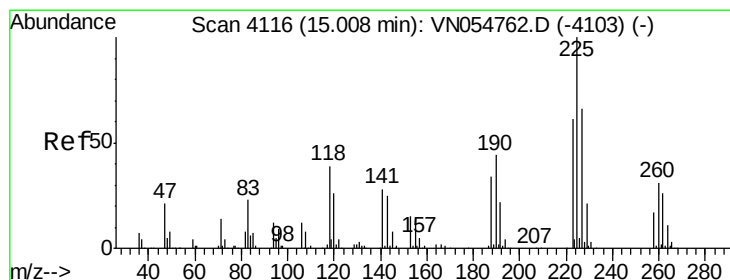
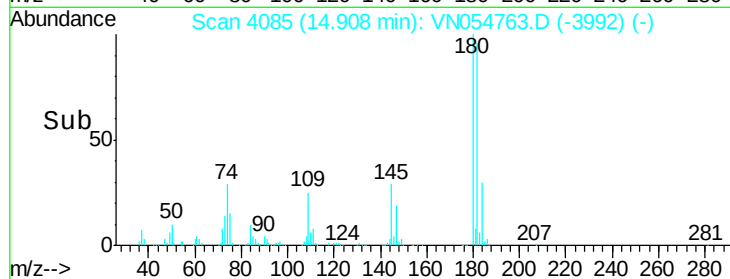
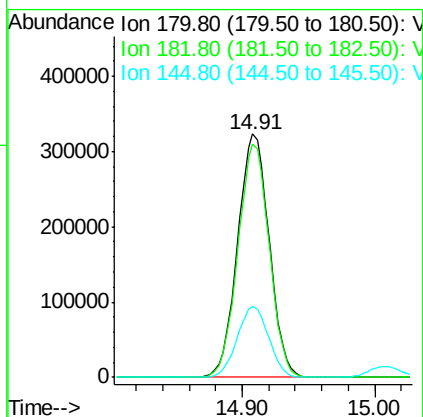
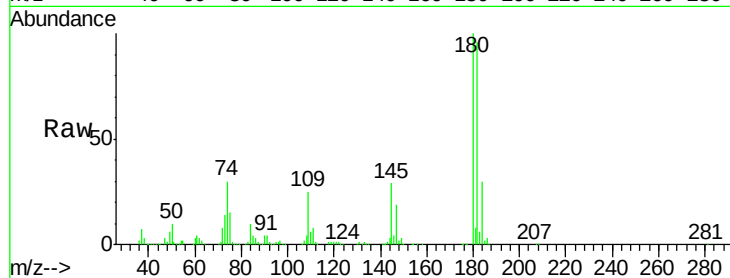




#93
 1,2,4-Trichlorobenzene
 Concen: 104.91 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

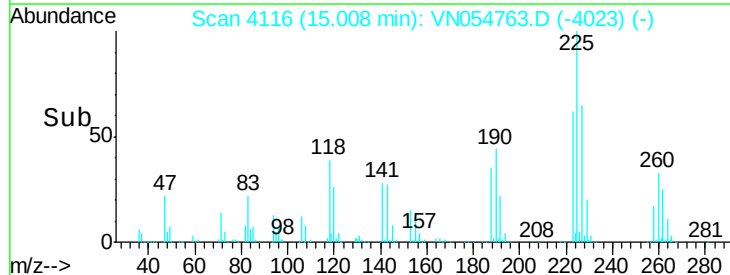
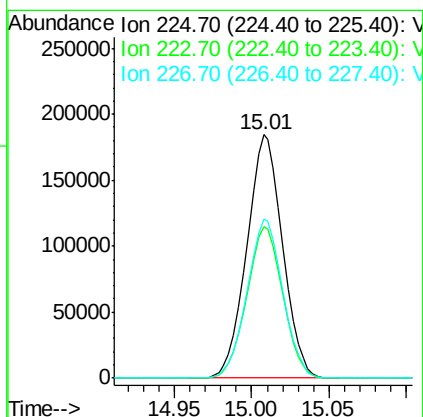
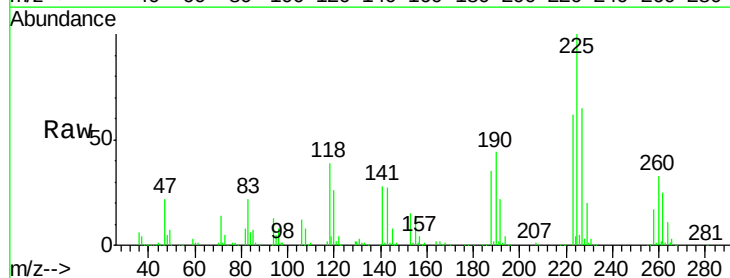
Instrument :
 MSVOA_N
 ClientSampleId :

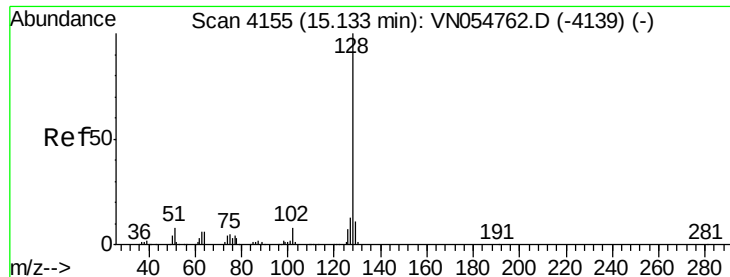
Tot Ion:180 Resp: 532861
 Ion Ratio Lower Upper
 180 100
 182 95.1 48.0 144.2
 145 29.1 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 100.72 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054763.D
 Acq: 29 Mar 2019 11:46

Tgt Ion:225 Resp: 296551
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.1 93.5
 227 65.2 31.9 95.9





#95

Naphthalene

Concen: 106.62 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

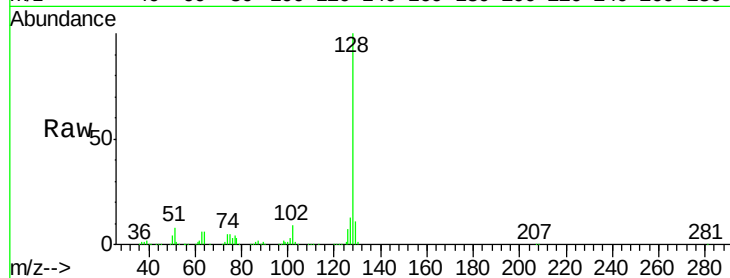
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 1214596

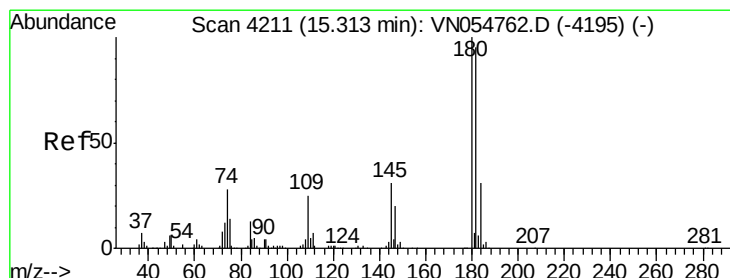
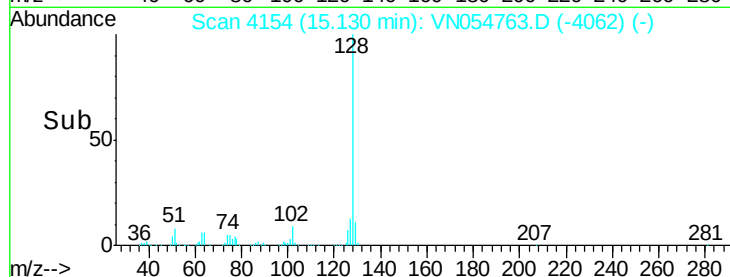
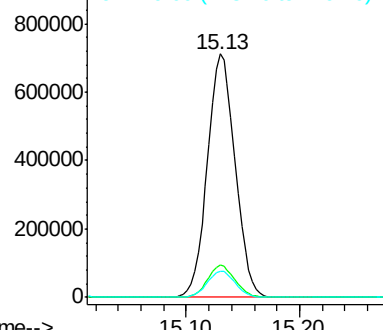
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.7	13.1



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: 100.56 ug/l

RT: 15.31 min Scan# 4211

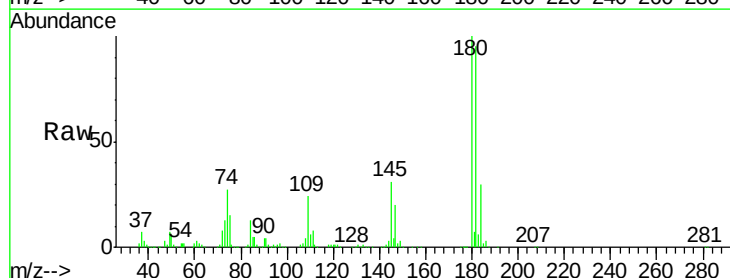
Delta R.T. -0.00 min

Lab File: VN054763.D

Acq: 29 Mar 2019 11:46

Tgt Ion:180 Resp: 515829

Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	30.9	14.8	44.3



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

