

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049534.D
 Acq On : 26 Jun 2018 2:11
 Operator : MD\SY
 Sample : VN0625WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

Quant Time: Jun 26 03:32:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1390898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2087333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1901245	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	878880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	933045	50.58	ug/l	0.00
Spiked Amount			Recovery	=	101.16%	
35) Dibromofluoromethane	7.59	113	841466	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
50) Toluene-d8	10.09	98	3148842	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
62) 4-Bromofluorobenzene	12.40	95	1002904	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	264936	16.55	ug/l	99
3) Chloromethane	2.06	50	346225	16.75	ug/l	98
4) Vinyl Chloride	2.18	62	382903	17.43	ug/l	97
5) Bromomethane	2.57	94	228767	19.81	ug/l	97
6) Chloroethane	2.71	64	241841	18.46	ug/l	100
7) Trichlorofluoromethane	3.02	101	527866	19.26	ug/l	99
8) Diethyl Ether	3.41	74	183102	19.13	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	321841	18.51	ug/l	93
10) Methyl Iodide	3.95	142	358508	19.81	ug/l	92
11) Tert butyl alcohol	4.80	59	99047	91.48	ug/l	97
12) 1,1-Dichloroethene	3.74	96	293987	18.43	ug/l	90
13) Acrolein	3.61	56	121836	107.30	ug/l	98
14) Allyl chloride	4.32	41	472975	18.78	ug/l	89
15) Acrylonitrile	4.99	53	513483	94.84	ug/l	99
16) Acetone	3.82	43	360881	80.57	ug/l	91
17) Carbon Disulfide	4.05	76	836194	16.73	ug/l	100
18) Methyl Acetate	4.33	43	295357	21.63	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	800430	19.69	ug/l	99
20) Methylene Chloride	4.55	84	355804	19.02	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	313856	18.59	ug/l	92
22) Diisopropyl ether	5.96	45	1028445	20.45	ug/l	97
23) Vinyl Acetate	5.90	43	3102875	94.65	ug/l	96
24) 1,1-Dichloroethane	5.85	63	626010	19.45	ug/l	97
25) 2-Butanone	6.84	43	544352	90.51	ug/l	97
26) 2,2-Dichloropropane	6.83	77	430397	16.56	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	362633	19.32	ug/l	91
28) Bromochloromethane	7.19	49	277340	19.44	ug/l #	83
29) Tetrahydrofuran	7.21	42	368143	95.09	ug/l	95
30) Chloroform	7.37	83	636031	19.86	ug/l	100
31) Cyclohexane	7.65	56	519480	18.93	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	540539	19.78	ug/l	97
36) 1,1-Dichloropropene	7.80	75	450913	18.85	ug/l	97
37) Ethyl Acetate	6.93	43	255304	19.63	ug/l	97
38) Carbon Tetrachloride	7.78	117	486036	19.62	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	463457	18.05	ug/l	96
40) Benzene	8.04	78	1402042	19.12	ug/l	99
41) Methacrylonitrile	7.17	41	138766	19.74	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	438056	19.33	ug/l	96
43) Isopropyl Acetate	8.17	43	479306	19.29	ug/l	96
44) Trichloroethene	8.84	130	378185	19.53	ug/l	92
45) 1,2-Dichloropropane	9.12	63	376971	19.63	ug/l	99
46) Dibromomethane	9.21	93	216439	19.44	ug/l	92
47) Bromodichloromethane	9.40	83	475540	19.43	ug/l	97
48) Methyl methacrylate	9.20	41	232830	19.90	ug/l	88
49) 1,4-Dioxane	9.20	88	60510	374.67	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1271776	97.65	ug/l	95
52) Toluene	10.16	92	864748	20.09	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	423246	18.08	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	513767	18.59	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	313029	19.51	ug/l	97
56) Ethyl methacrylate	10.43	69	346525	18.72	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	519789	19.55	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	491468	84.33	ug/l	95
59) 2-Hexanone	10.75	43	776899	92.53	ug/l	94
60) Dibromochloromethane	10.90	129	346476	19.34	ug/l	100
61) 1,2-Dibromoethane	11.01	107	291146	19.52	ug/l	99
64) Tetrachloroethene	10.63	164	413664	21.23	ug/l	98
65) Chlorobenzene	11.44	112	935442	19.10	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	353490	19.18	ug/l	99
67) Ethyl Benzene	11.51	91	1565288	19.27	ug/l	98
68) m/p-Xylenes	11.62	106	1205045	39.53	ug/l	96
69) o-Xylene	11.95	106	576900	19.65	ug/l	95
70) Styrene	11.97	104	889606	19.20	ug/l	99
71) Bromoform	12.13	173	225289	18.88	ug/l #	99
73) Isopropylbenzene	12.25	105	1523207	19.74	ug/l	97
74) N-amyl acetate	12.07	43	343770	18.19	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	337835	19.93	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	422400	28.17	ug/l #	100
77) Bromobenzene	12.53	156	388005	19.04	ug/l	90
78) n-propylbenzene	12.59	91	1678470	19.81	ug/l	98
79) 2-Chlorotoluene	12.68	91	1048928	19.54	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1239396	20.43	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	81707	17.22	ug/l	95
82) 4-Chlorotoluene	12.78	91	1011959	19.54	ug/l	96
83) tert-Butylbenzene	12.99	119	1042872	19.41	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1226365	20.35	ug/l	98
85) sec-Butylbenzene	13.17	105	1376219	19.24	ug/l	99
86) p-Isopropyltoluene	13.29	119	1150990	19.26	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	631884	18.84	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	618632	18.61	ug/l	100
89) n-Butylbenzene	13.62	91	808822	17.33	ug/l	98
90) Hexachloroethane	13.88	117	240554	20.26	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	633410	19.26	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	46548	17.33	ug/l	84

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

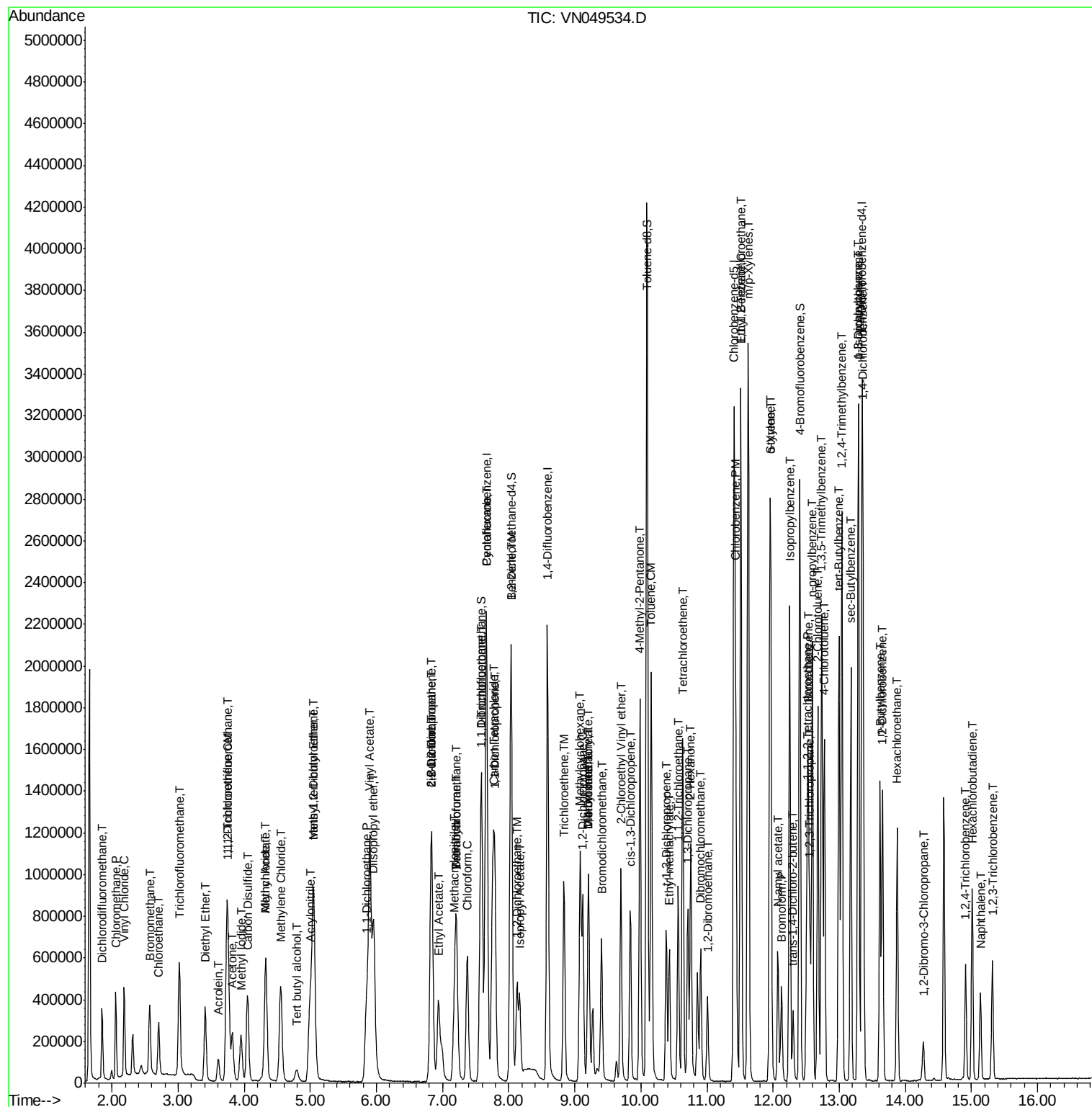
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185448	15.88	ug/l	96
94) Hexachlorobutadiene	15.01	225	197921	18.88	ug/l	98
95) Naphthalene	15.14	128	363968	16.41	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	207341	16.56	ug/l	98

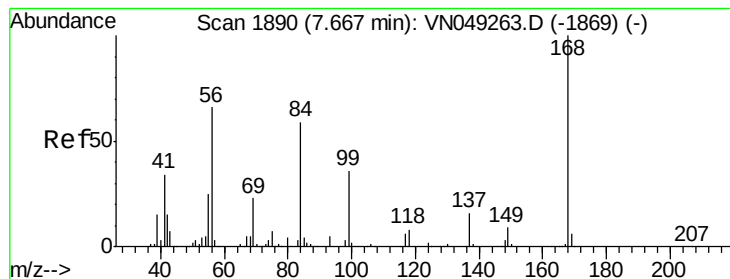
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 26 03:32:30 2018
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

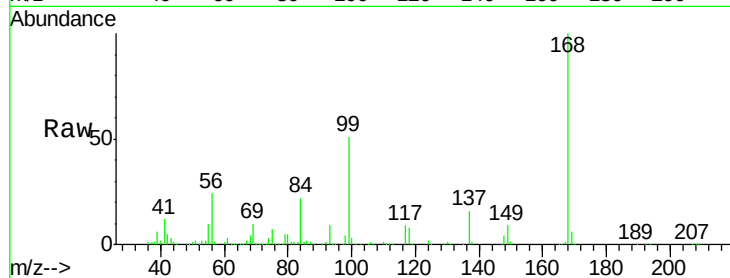
VN0625WBS03

Tot Ion:168 Resp: 1390898

Ion Ratio Lower Upper

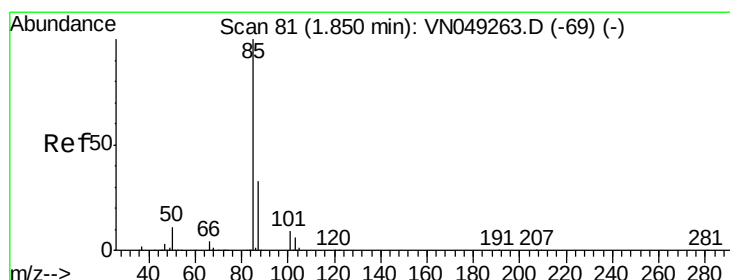
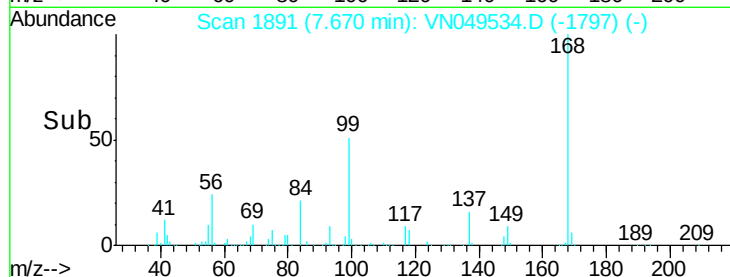
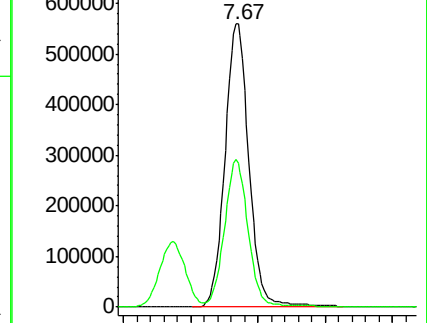
168 100

99 50.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 16.55 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049534.D

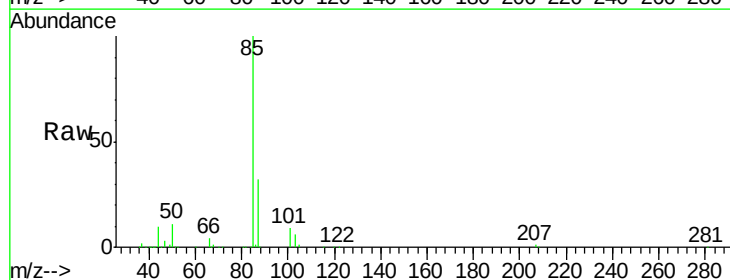
Acq: 26 Jun 2018 2:11

Tgt Ion: 85 Resp: 264936

Ion Ratio Lower Upper

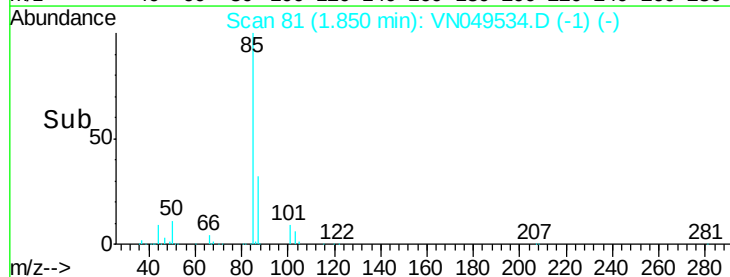
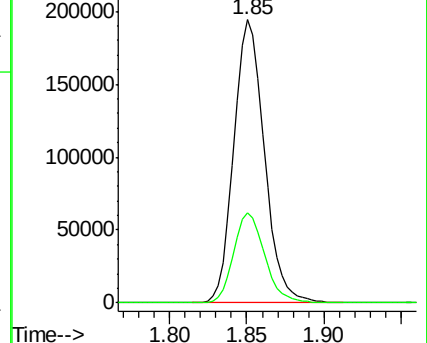
85 100

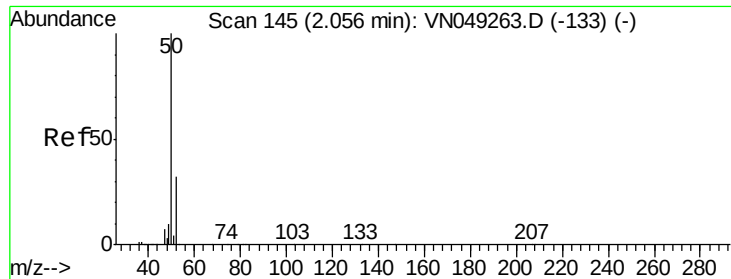
87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

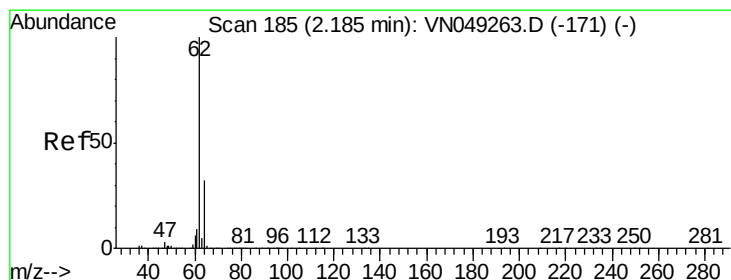
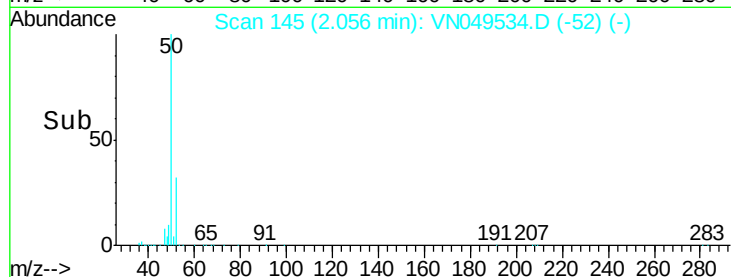
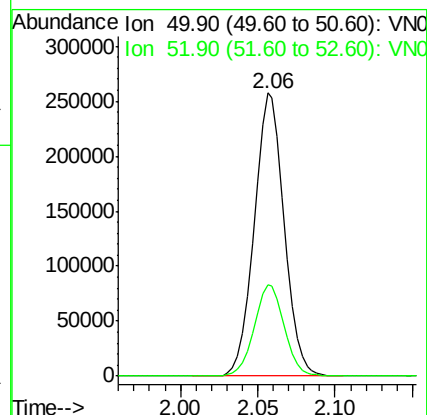
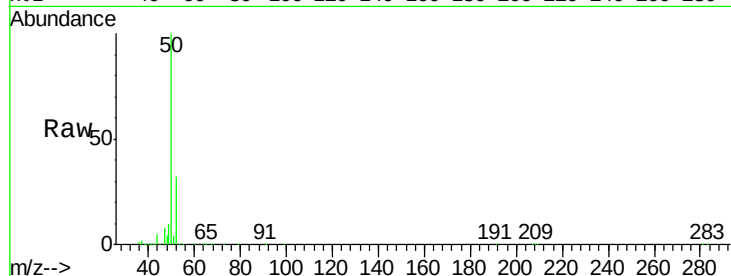




#3
Chloromethane
Concen: 16.75 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

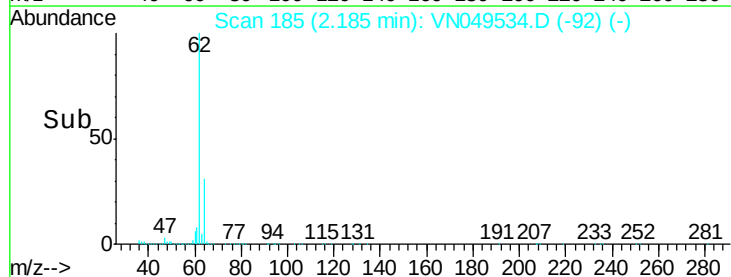
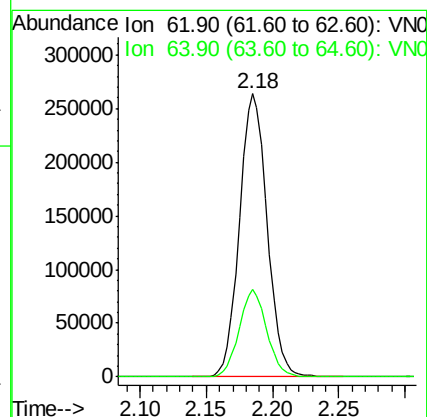
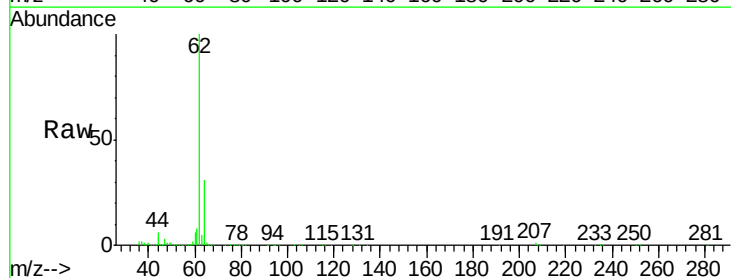
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

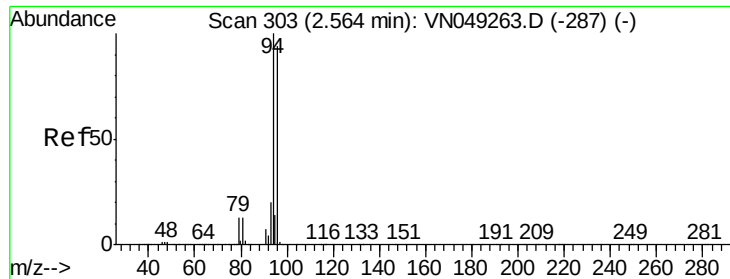
Tot Ion: 50 Resp: 346225
Ion Ratio Lower Upper
50 100
52 32.5 25.2 37.8



#4
Vinyl Chloride
Concen: 17.43 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 62 Resp: 382903
Ion Ratio Lower Upper
62 100
64 30.6 25.7 38.5





#5

Bromomethane

Concen: 19.81 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

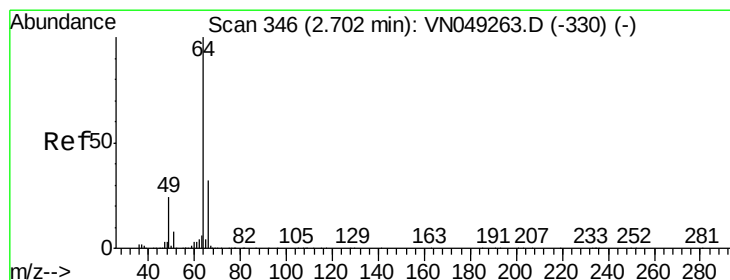
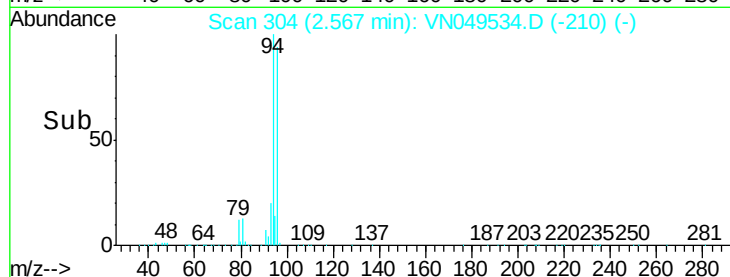
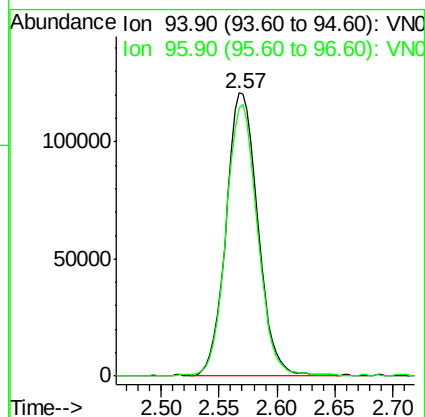
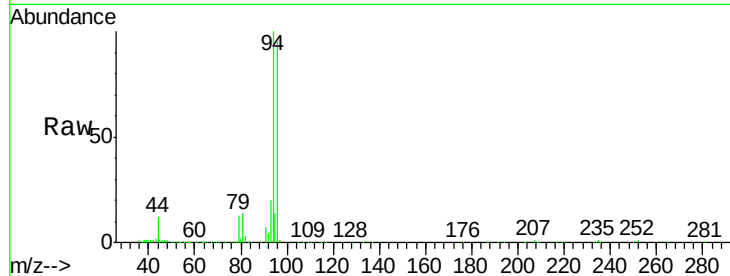
VN0625WBS03

Tot Ion: 94 Resp: 228767

Ion Ratio Lower Upper

94 100

96 94.3 72.8 109.2



#6

Chloroethane

Concen: 18.46 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049534.D

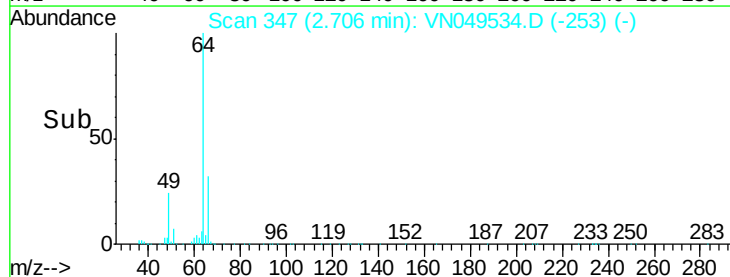
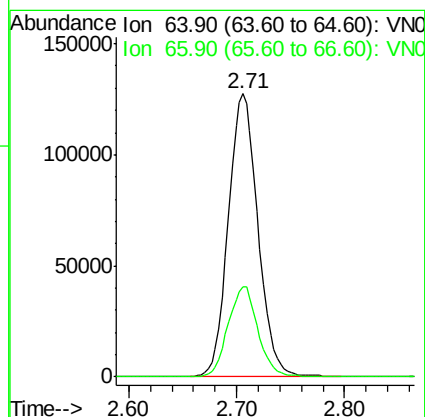
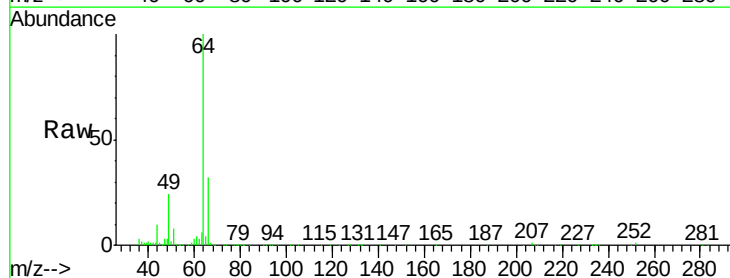
Acq: 26 Jun 2018 2:11

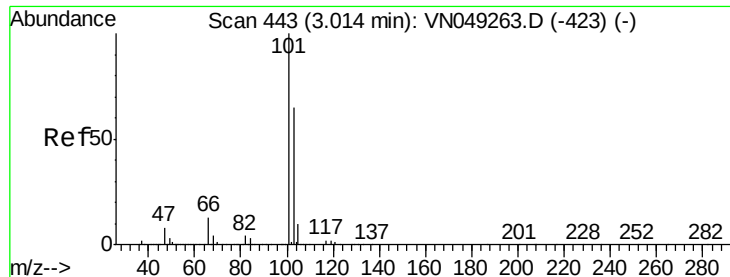
Tgt Ion: 64 Resp: 241841

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4



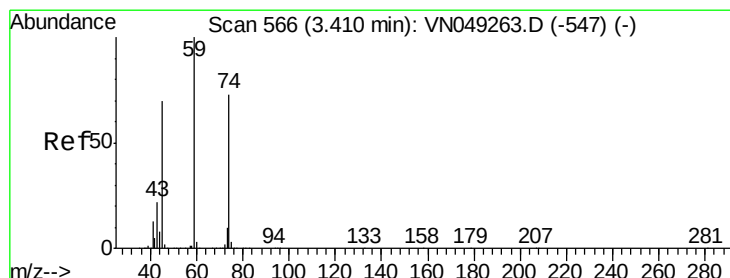
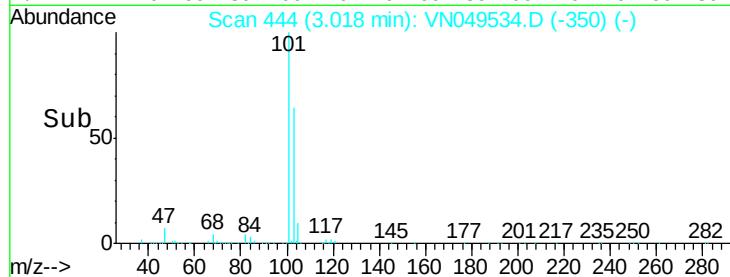
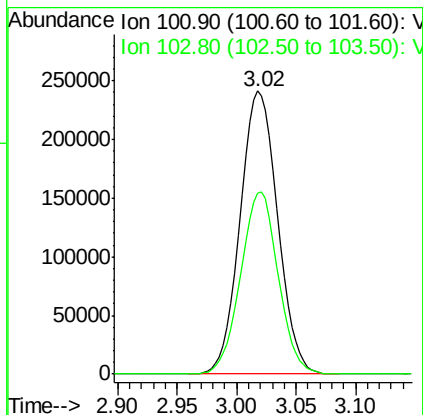
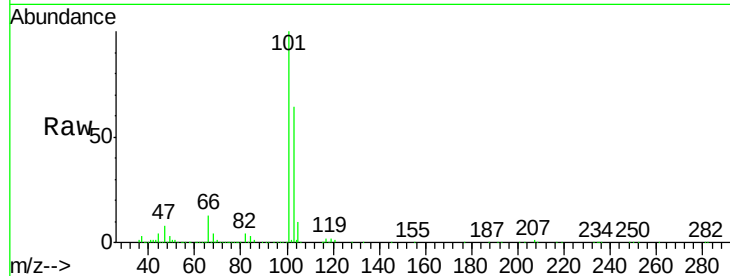


#7

Trichlorofluoromethane
 Concen: 19.26 ug/l
 RT: 3.02 min Scan# 444
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0625WBS03

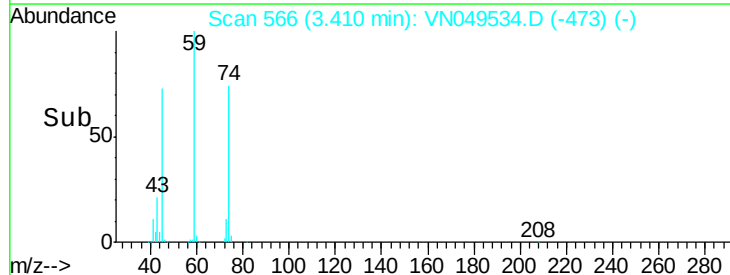
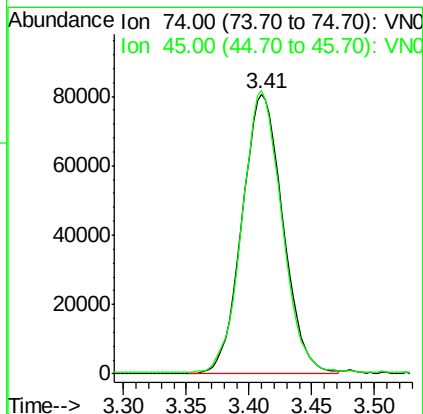
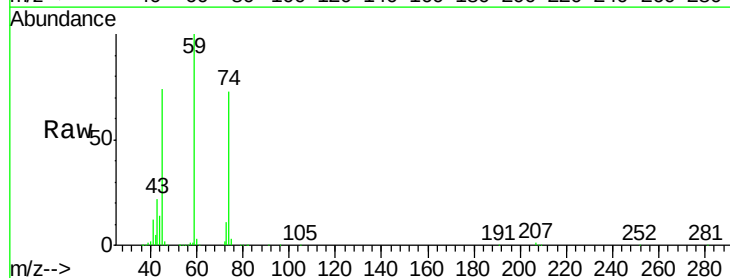
Tot Ion:101 Resp: 527866
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.7 77.5

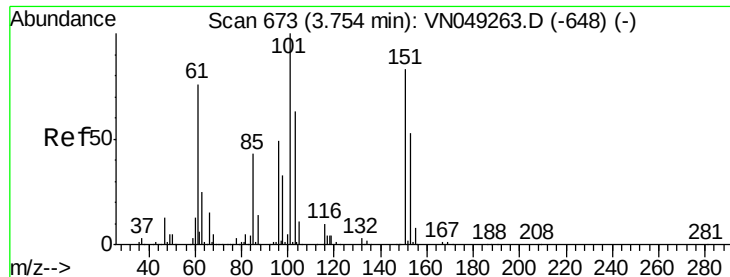


#8

Diethyl Ether
 Concen: 19.13 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion: 74 Resp: 183102
 Ion Ratio Lower Upper
 74 100
 45 97.4 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.51 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

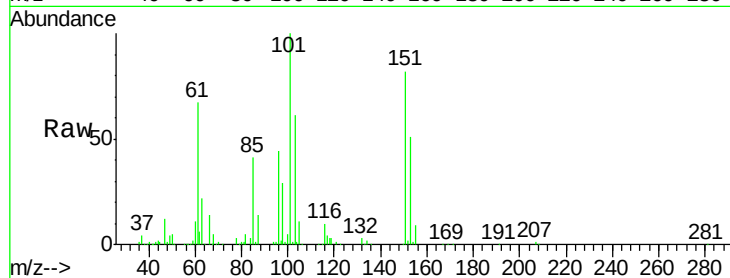
Tot Ion:101 Resp: 321841

Ion Ratio Lower Upper

101 100

85 42.4 37.6 56.4

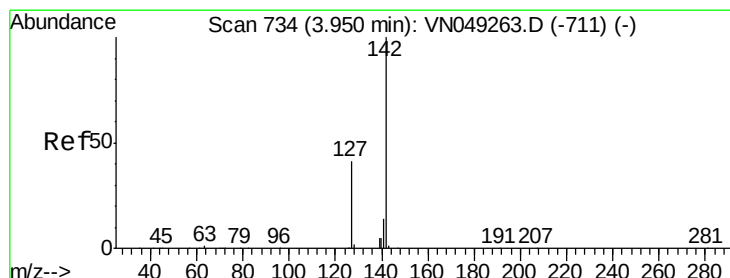
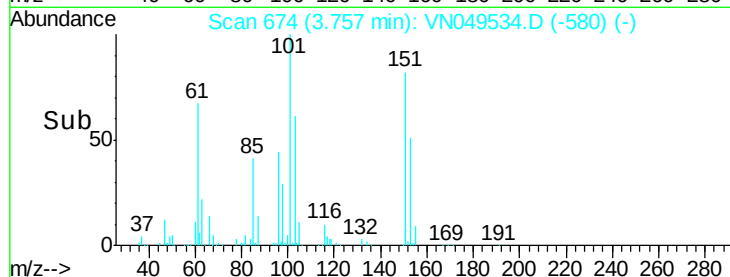
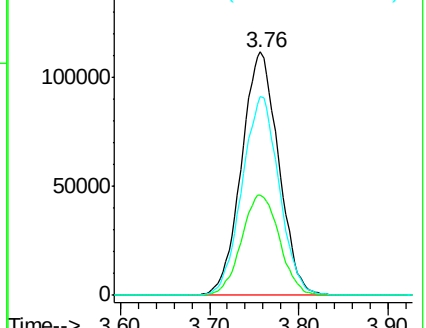
151 81.8 61.1 91.7



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: 19.81 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

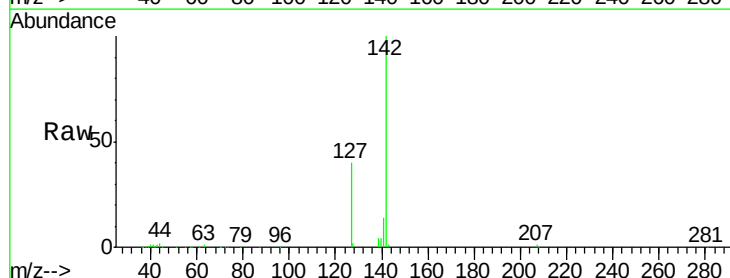
Tgt Ion:142 Resp: 358508

Ion Ratio Lower Upper

142 100

127 41.5 38.2 57.4

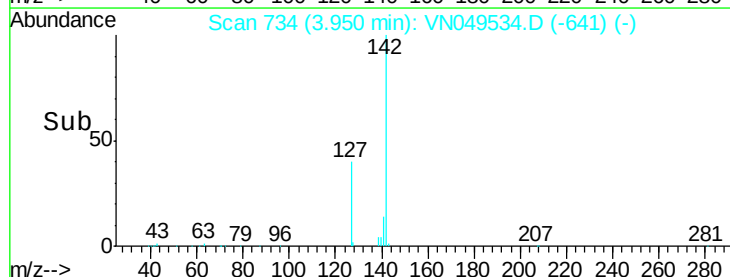
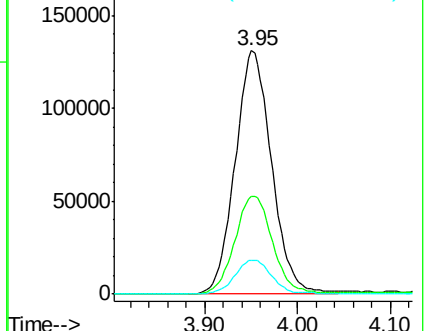
141 14.0 11.9 17.9

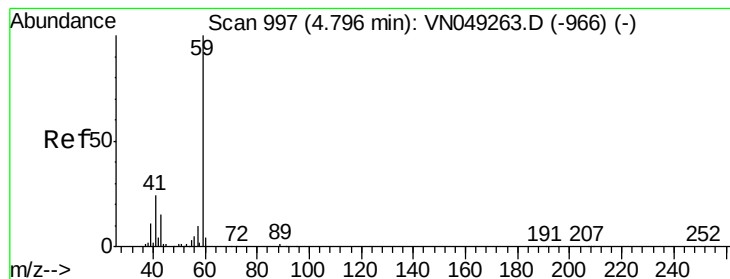


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.48 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

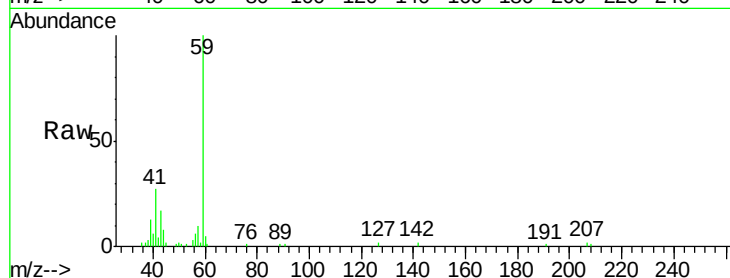
VN0625WBS03

Tot Ion: 59 Resp: 99047

Ion Ratio Lower Upper

59 100

57 10.1 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.80

30000

25000

20000

15000

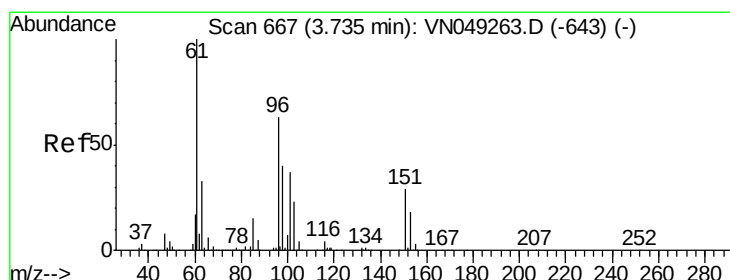
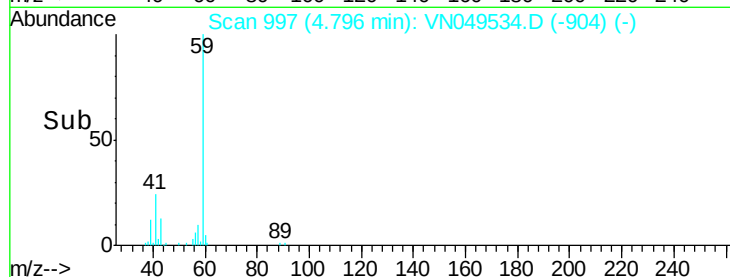
10000

5000

0

Time-->

4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 18.43 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

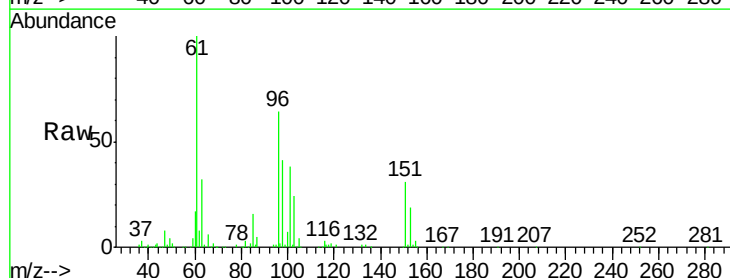
Tgt Ion: 96 Resp: 293987

Ion Ratio Lower Upper

96 100

61 157.5 141.0 211.4

98 64.4 50.4 75.6



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

250000

200000

150000

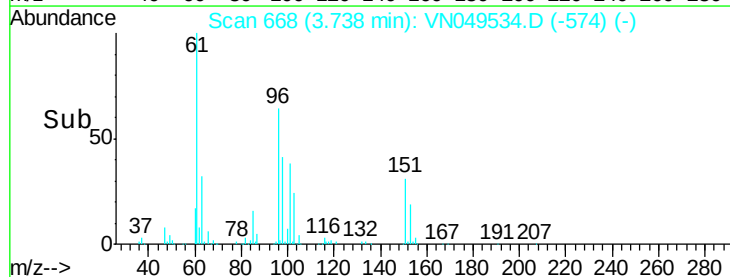
100000

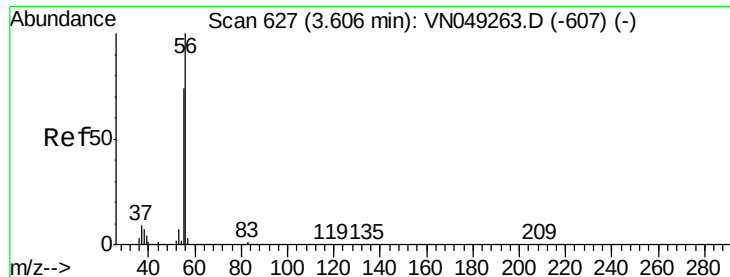
50000

0

Time-->

3.60 3.70 3.80





#13

Acrolein

Concen: 107.30 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

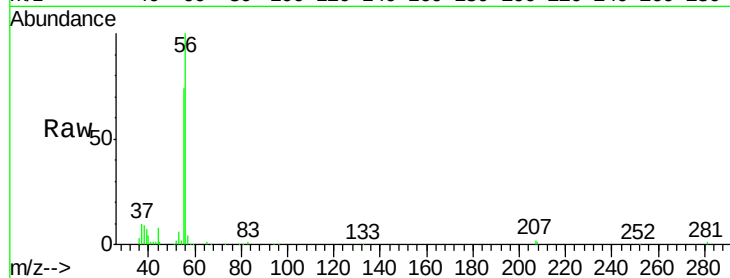
VN0625WBS03

Tot Ion: 56 Resp: 121836

Ion Ratio Lower Upper

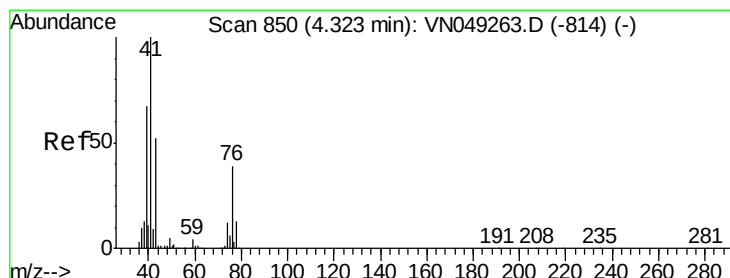
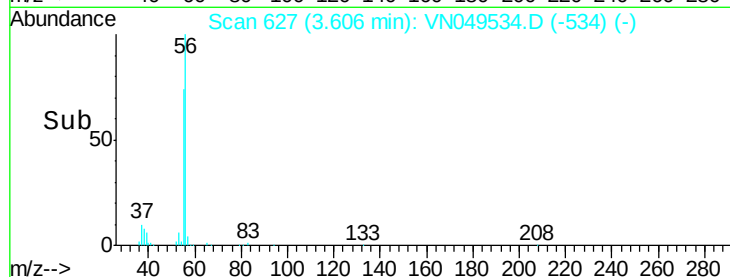
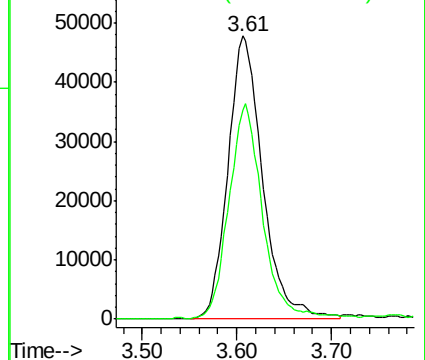
56 100

55 73.4 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.78 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

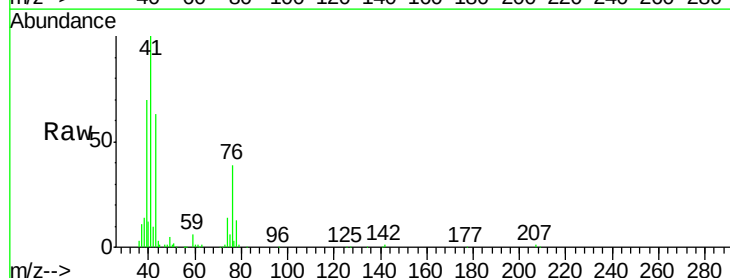
Tgt Ion: 41 Resp: 472975

Ion Ratio Lower Upper

41 100

39 65.7 62.5 93.7

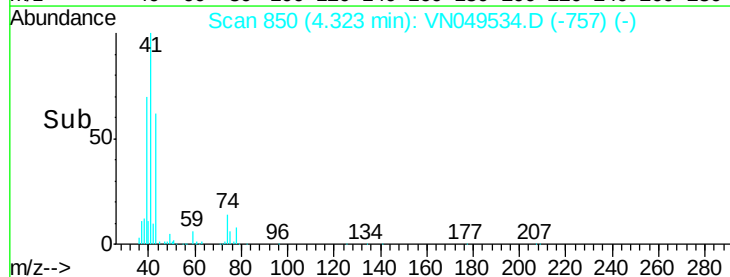
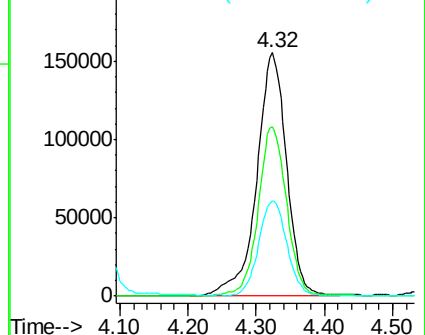
76 36.4 27.1 40.7

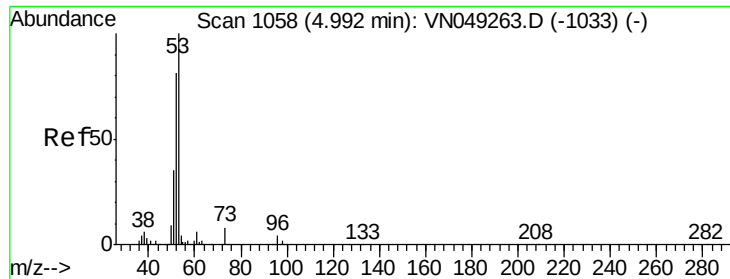


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

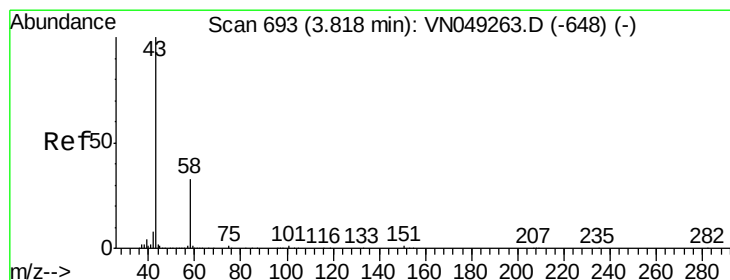
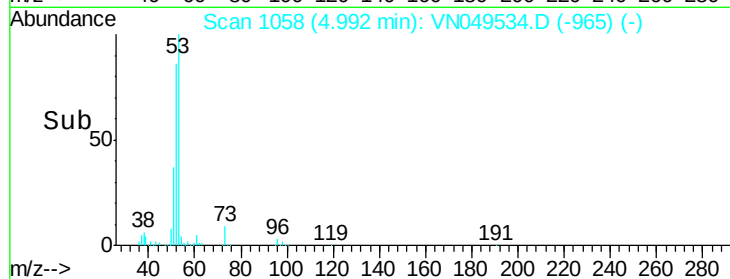
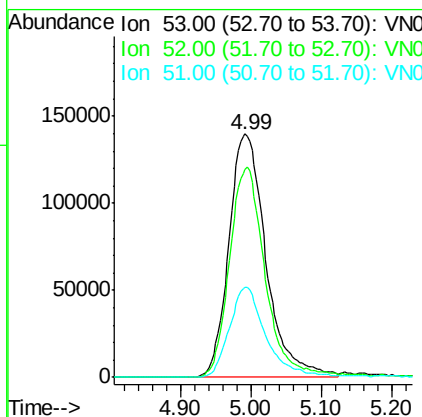
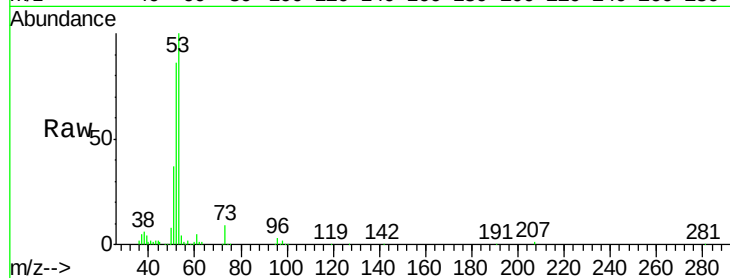




#15
 Acrylonitrile
 Concen: 94.84 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

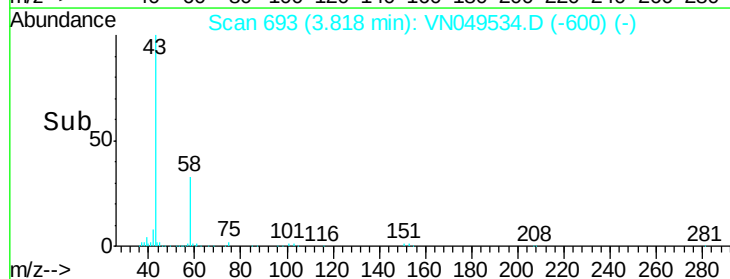
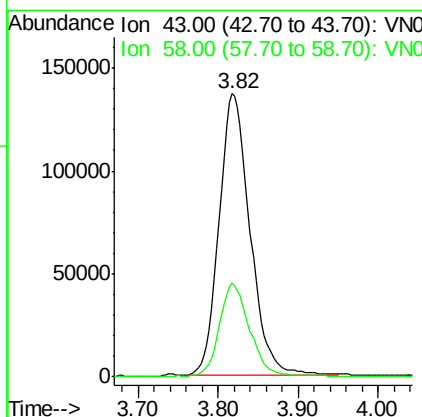
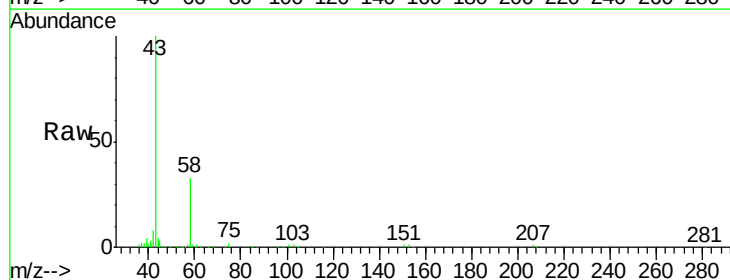
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

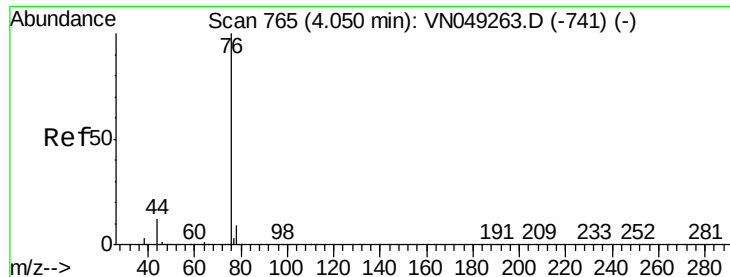
Tot Ion	53	Resp	513483
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.6	100.0
51	35.8	29.8	44.8



#16
 Acetone
 Concen: 80.57 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion	43	Resp	360881
Ion	Ratio	Lower	Upper
43	100		
58	32.9	22.4	33.6





#17

Carbon Disulfide

Concen: 16.73 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

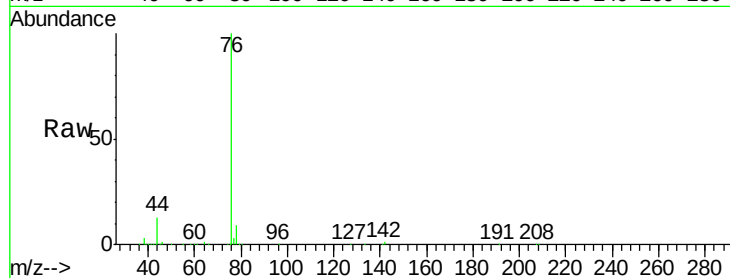
VN0625WBS03

Tot Ion: 76 Resp: 836194

Ion Ratio Lower Upper

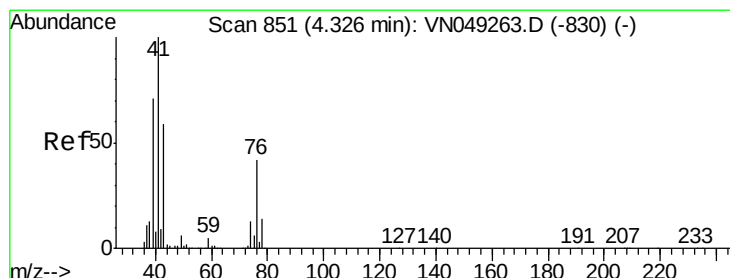
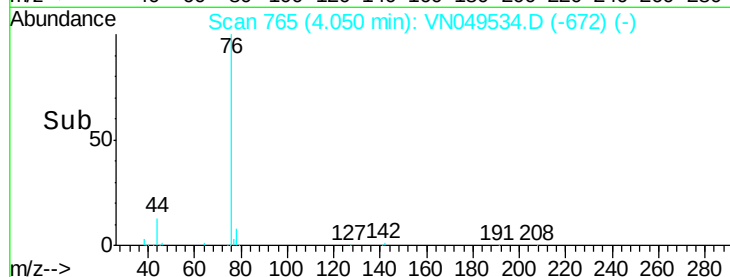
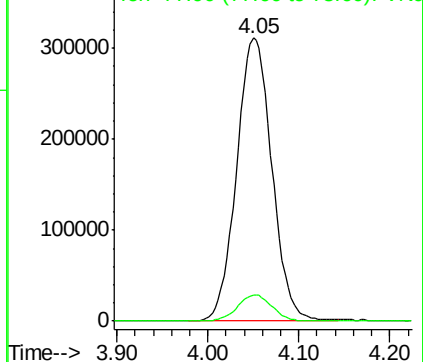
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.63 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049534.D

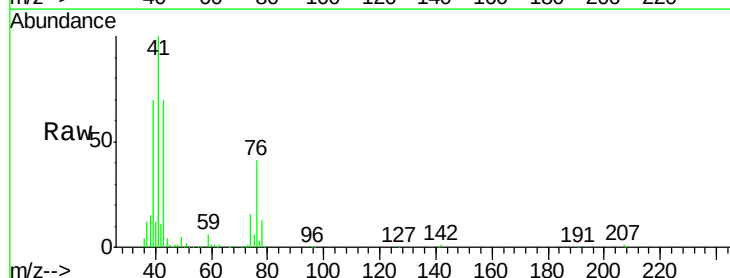
Acq: 26 Jun 2018 2:11

Tgt Ion: 43 Resp: 295357

Ion Ratio Lower Upper

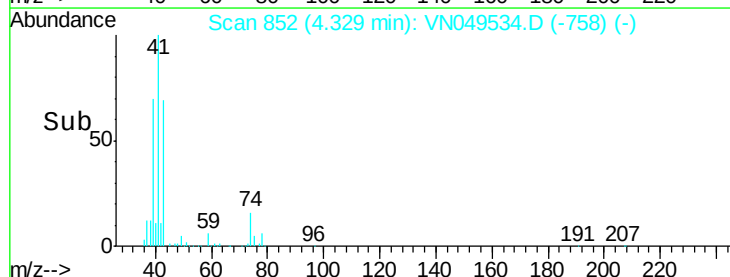
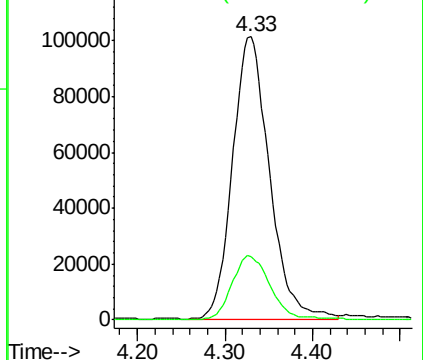
43 100

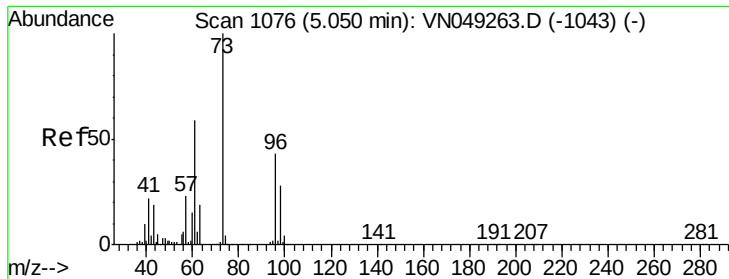
74 23.1 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 19.69 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

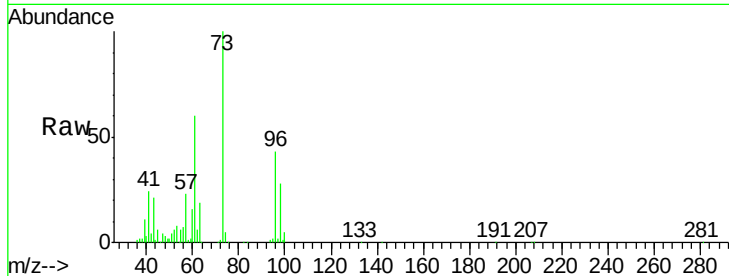
VN0625WBS03

Tot Ion: 73 Resp: 800430

Ion Ratio Lower Upper

73 100

57 23.3 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

250000

200000

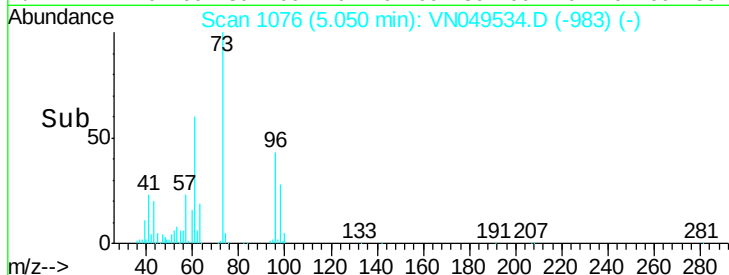
150000

100000

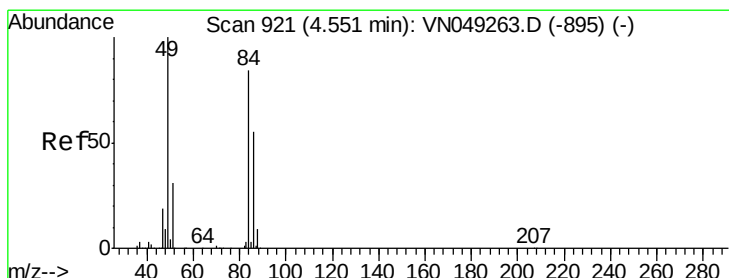
50000

0

Time-->



Time-->



#20

Methylene Chloride

Concen: 19.02 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Tgt Ion: 84 Resp: 355804

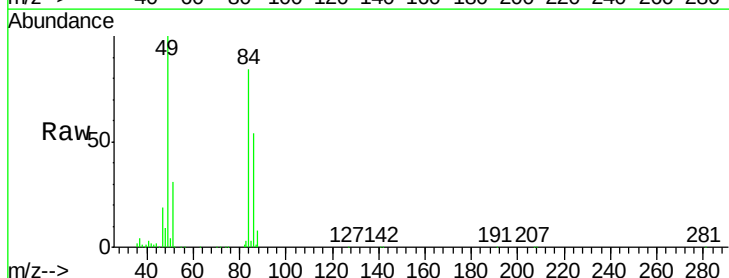
Ion Ratio Lower Upper

84 100

49 118.8 106.9 160.3

51 37.4 32.7 49.1

86 64.5 49.8 74.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

200000

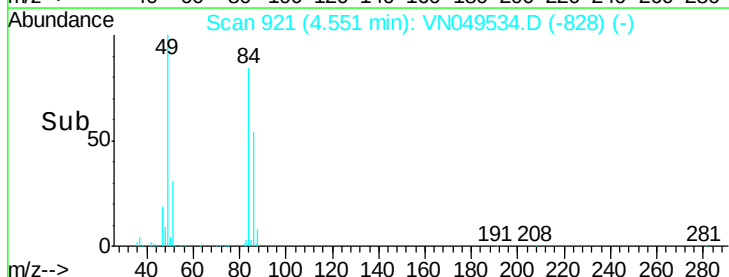
150000

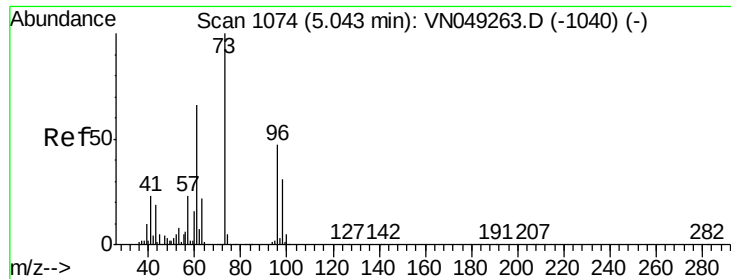
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 18.59 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

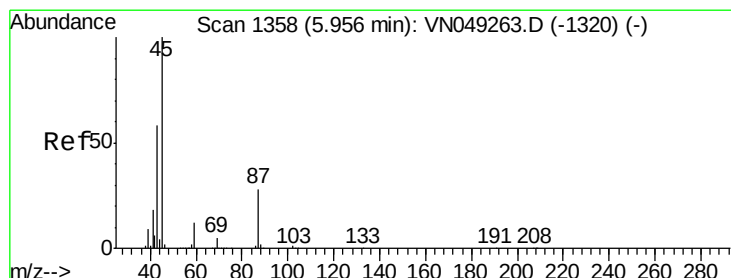
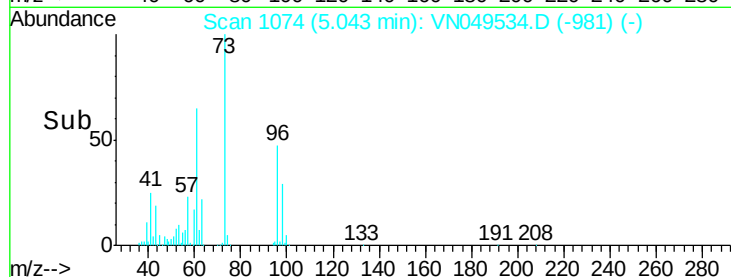
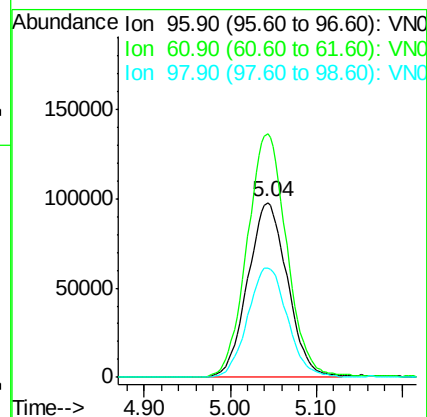
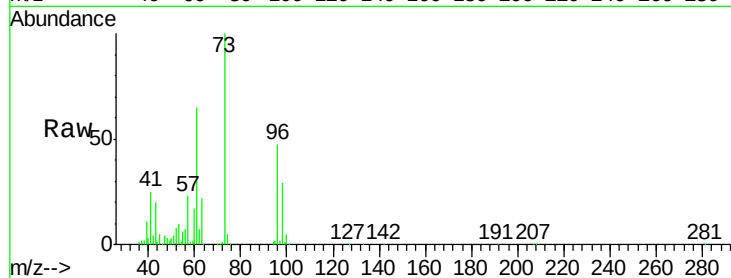
Tot Ion: 96 Resp: 313856

Ion Ratio Lower Upper

96 100

61 139.3 121.3 181.9

98 62.3 52.0 78.0



#22

Diisopropyl ether

Concen: 20.45 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Tgt Ion: 45 Resp: 1028445

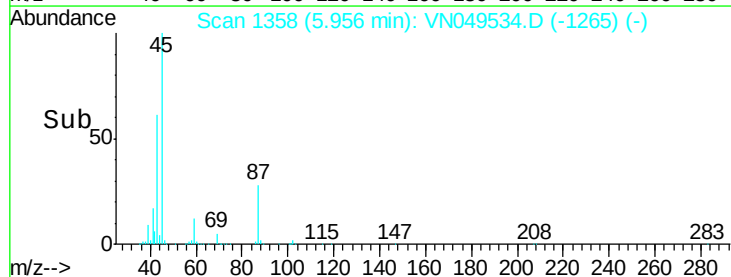
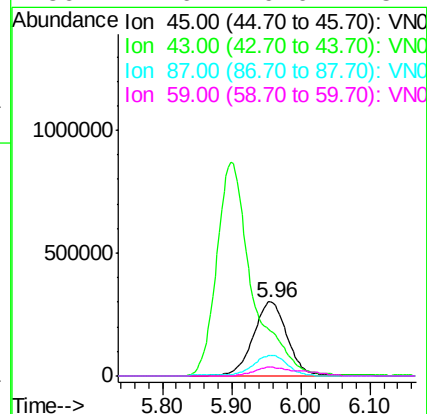
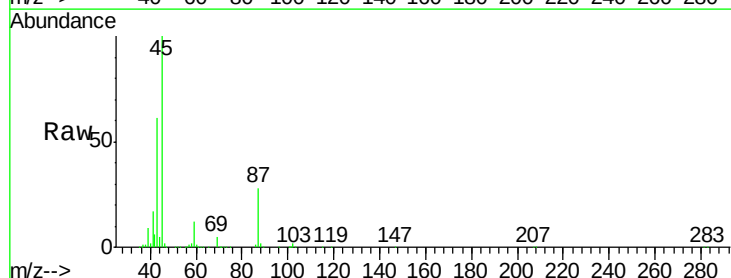
Ion Ratio Lower Upper

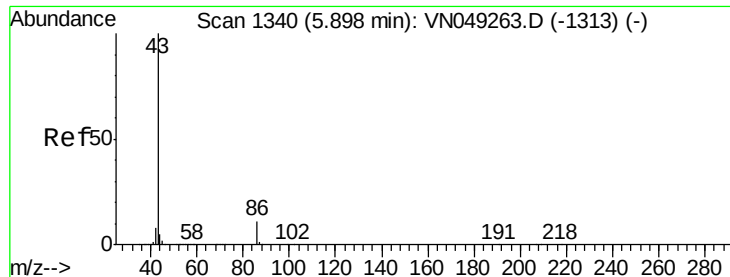
45 100

43 58.8 48.6 72.8

87 28.0 20.2 30.2

59 11.6 9.0 13.4





#23

Vinyl Acetate

Concen: 94.65 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

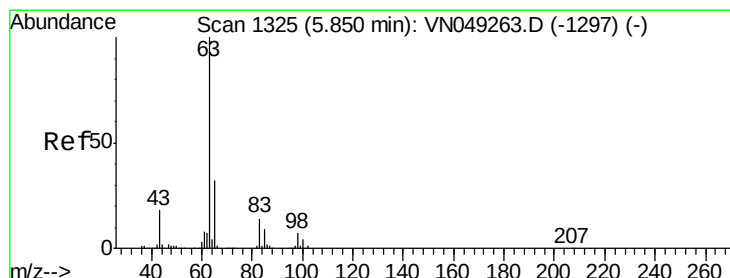
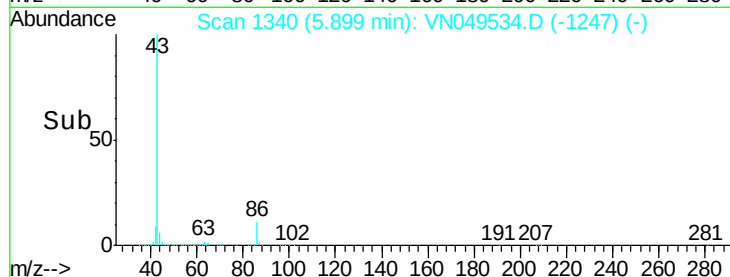
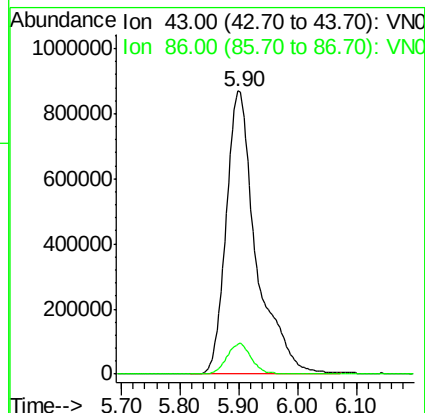
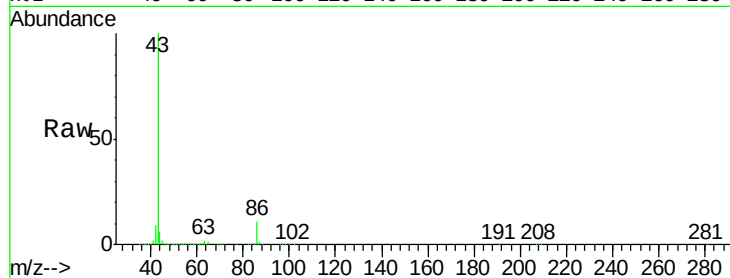
VN0625WBS03

Tot Ion: 43 Resp: 3102875

Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8



#24

1,1-Dichloroethane

Concen: 19.45 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

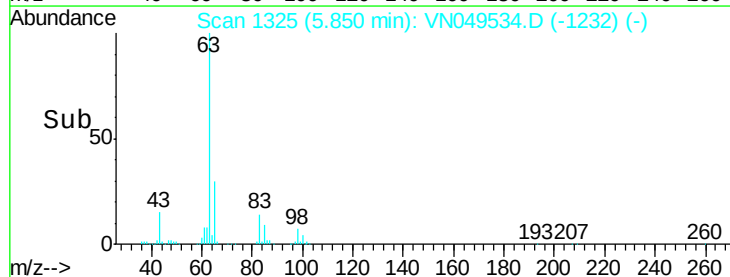
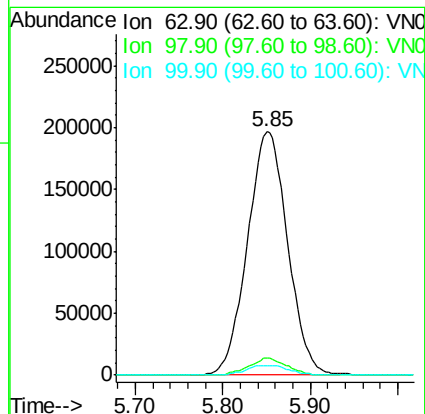
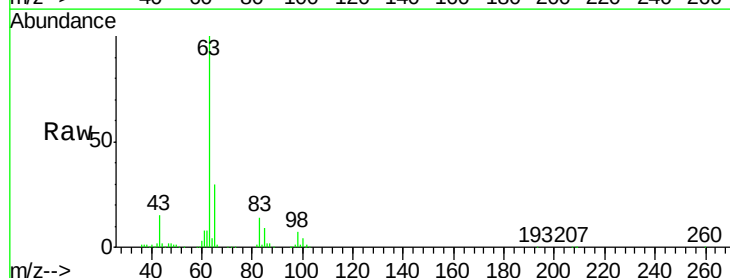
Tgt Ion: 63 Resp: 626010

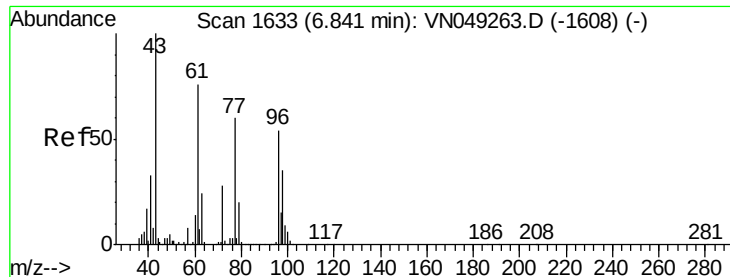
Ion Ratio Lower Upper

63 100

98 7.3 2.9 8.8

100 4.0 2.1 6.3

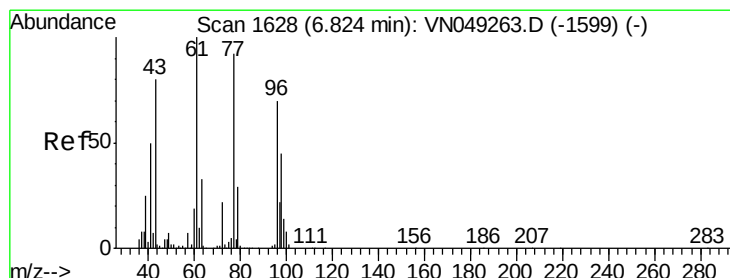
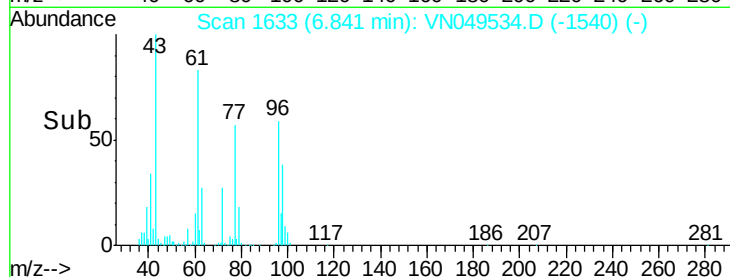
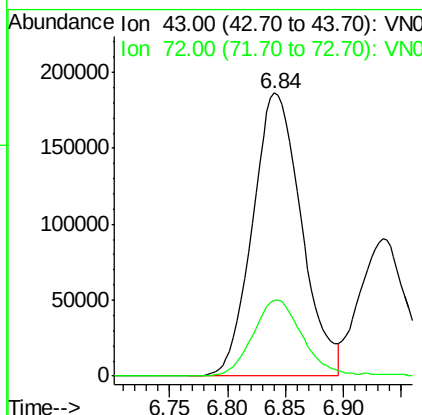
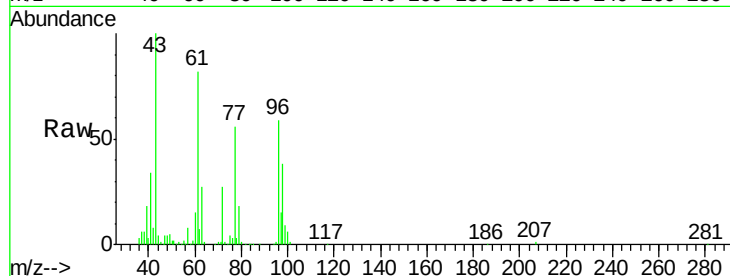




#25
 2-Butanone
 Concen: 90.51 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

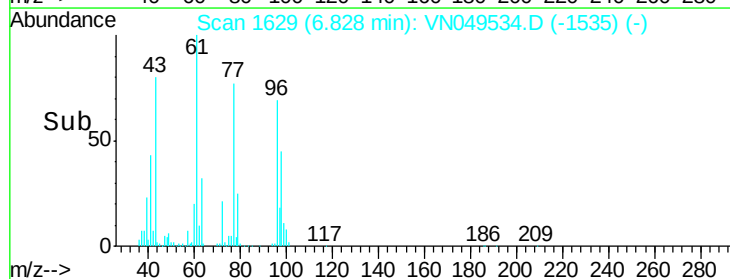
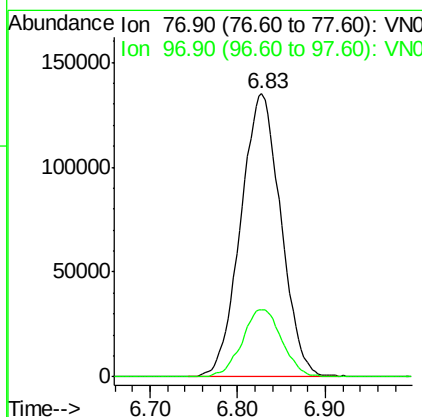
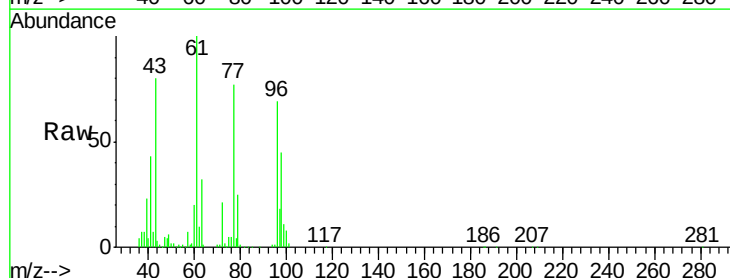
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

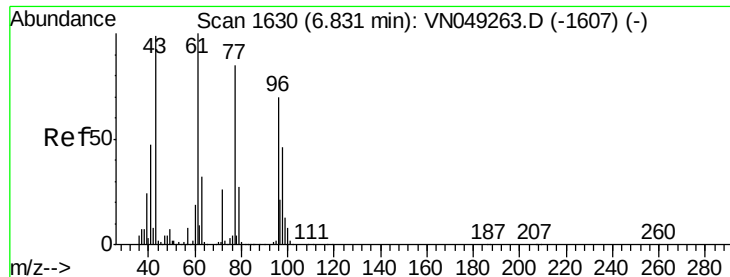
Tot Ion: 43 Resp: 544352
 Ion Ratio Lower Upper
 43 100
 72 26.7 20.2 30.2



#26
 2,2-Dichloropropane
 Concen: 16.56 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion: 77 Resp: 430397
 Ion Ratio Lower Upper
 77 100
 97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.32 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

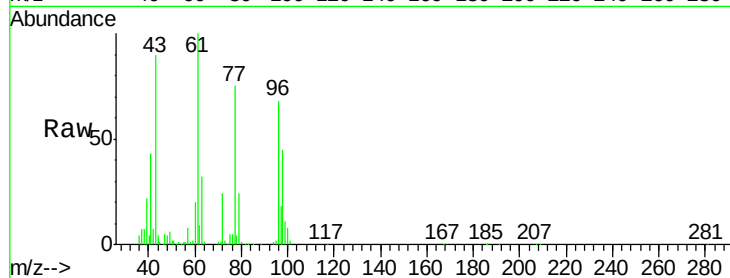
Tot Ion: 96 Resp: 362633

Ion Ratio Lower Upper

96 100

61 142.1 0.0 316.4

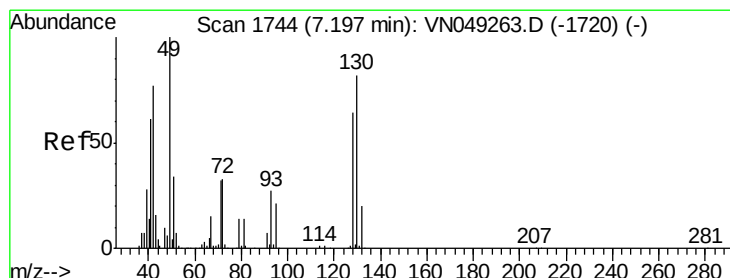
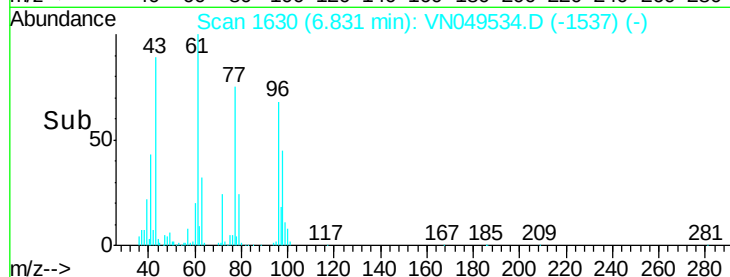
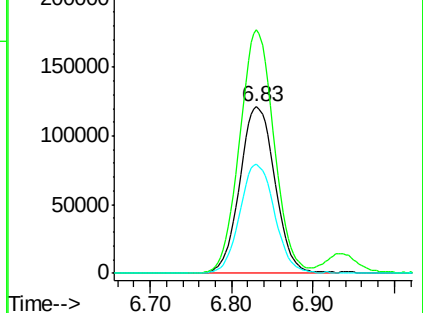
98 64.4 0.0 128.4



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: 19.44 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

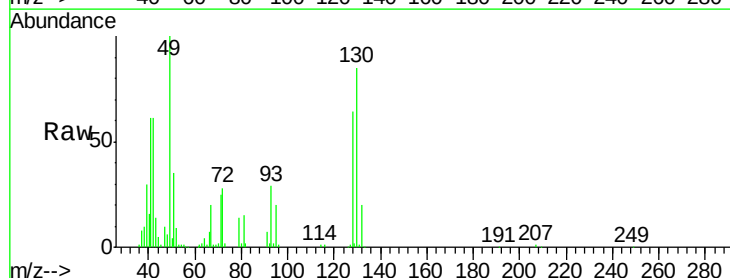
Tgt Ion: 49 Resp: 277340

Ion Ratio Lower Upper

49 100

129 2.2 0.0 3.8

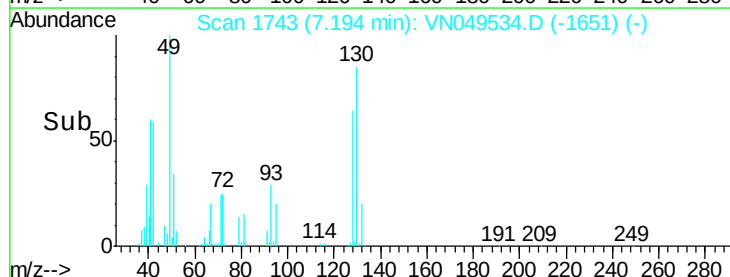
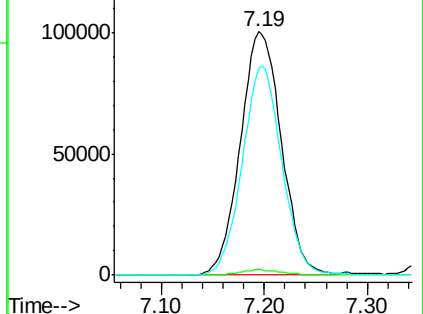
130 82.8 54.9 82.3#

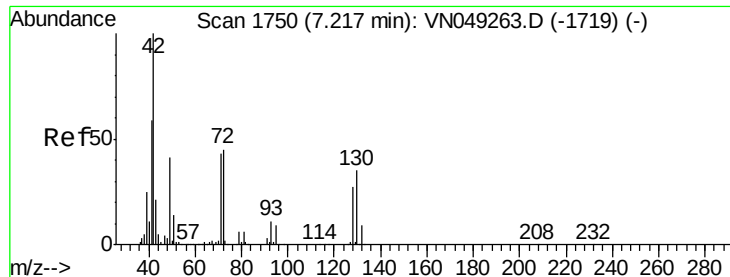


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 95.09 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

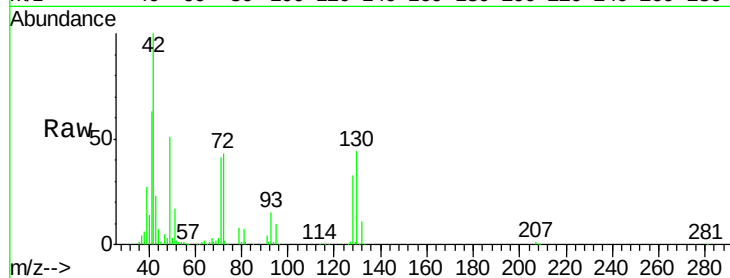
Tot Ion: 42 Resp: 368143

Ion Ratio Lower Upper

42 100

72 43.9 32.2 48.4

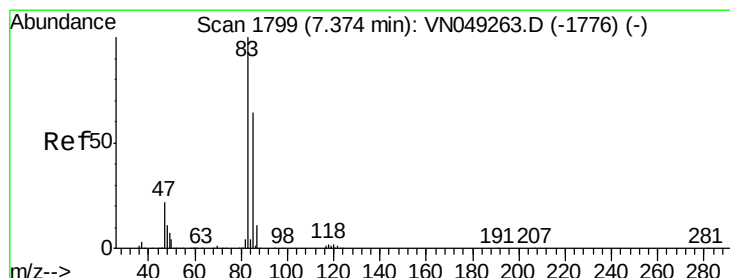
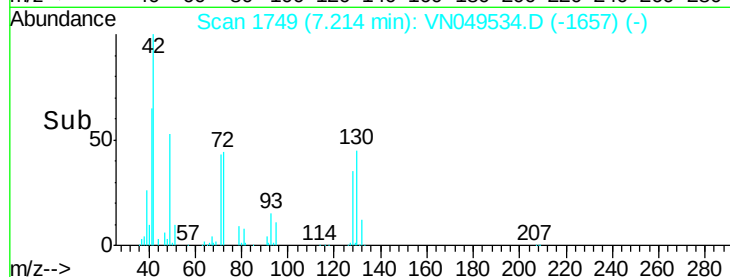
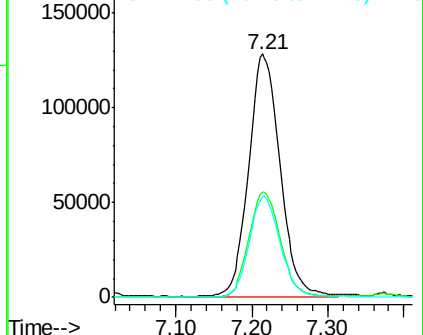
71 41.1 30.5 45.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.86 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049534.D

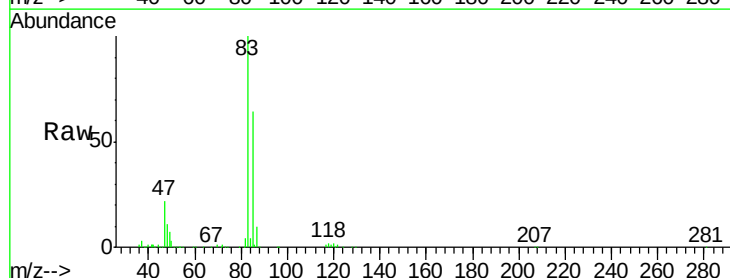
Acq: 26 Jun 2018 2:11

Tgt Ion: 83 Resp: 636031

Ion Ratio Lower Upper

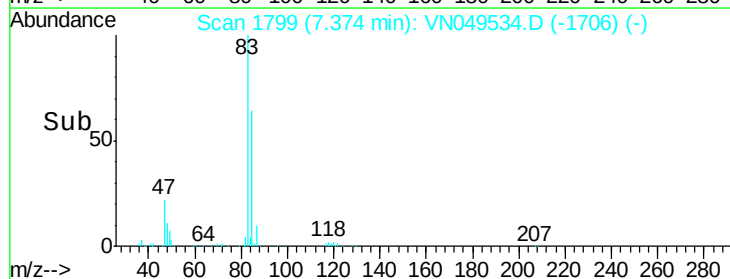
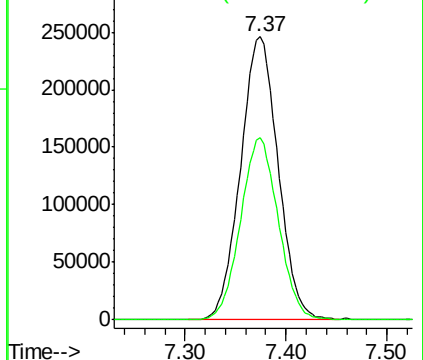
83 100

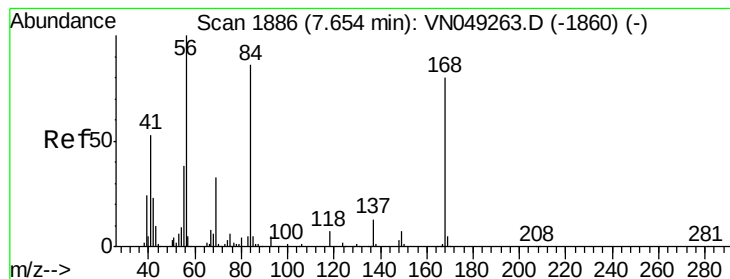
85 64.4 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.93 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

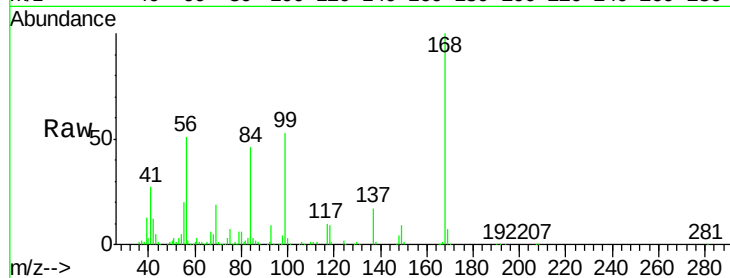
Tot Ion: 56 Resp: 519480

Ion Ratio Lower Upper

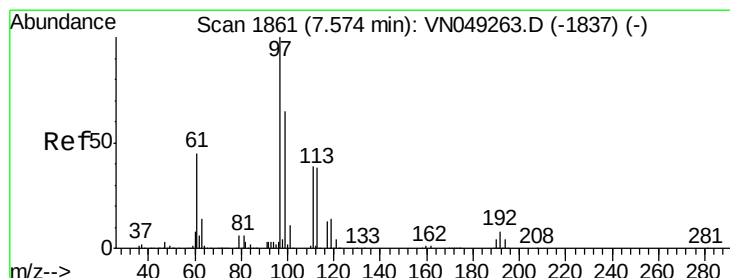
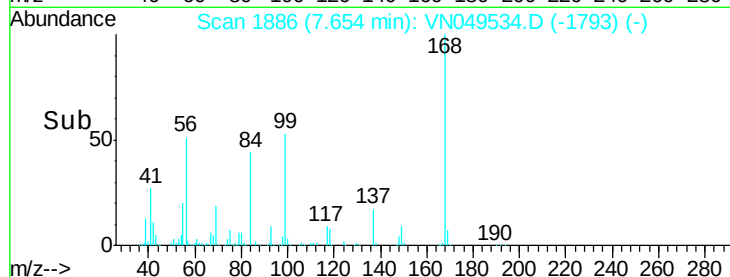
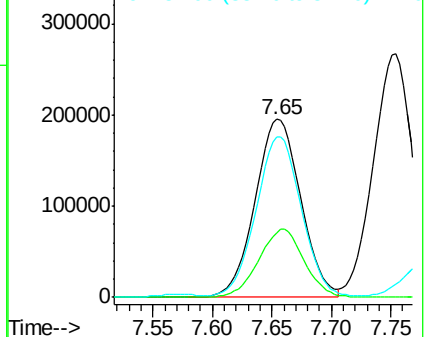
56 100

69 36.4 25.0 37.4

84 88.3 64.6 96.8



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: 19.78 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

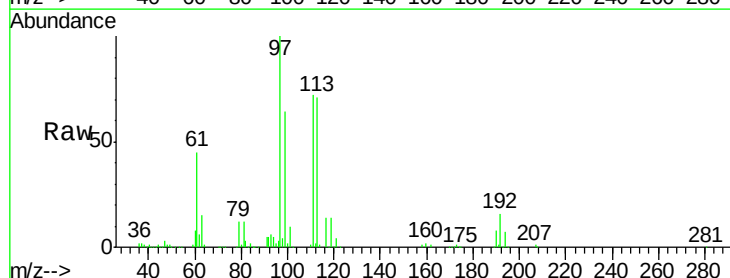
Tgt Ion: 97 Resp: 540539

Ion Ratio Lower Upper

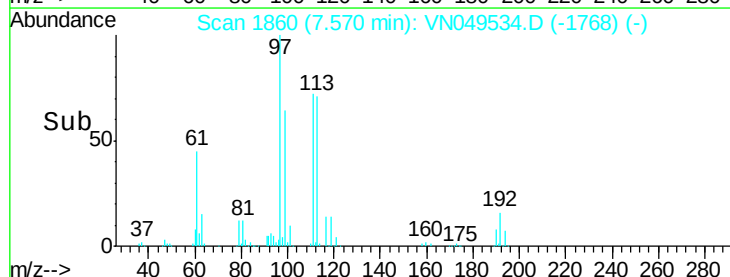
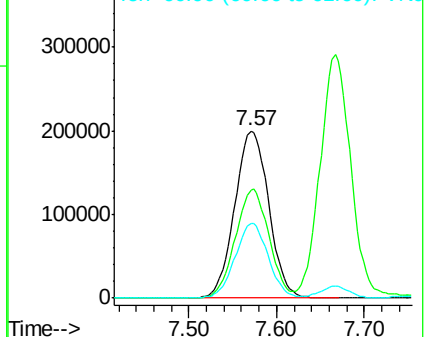
97 100

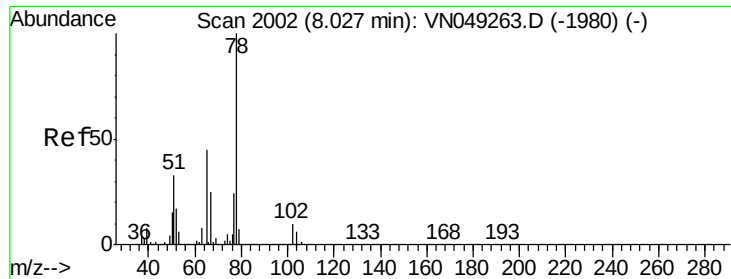
99 64.2 50.5 75.7

61 43.6 37.9 56.9



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

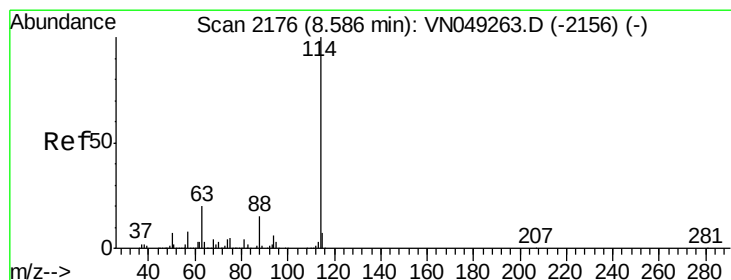
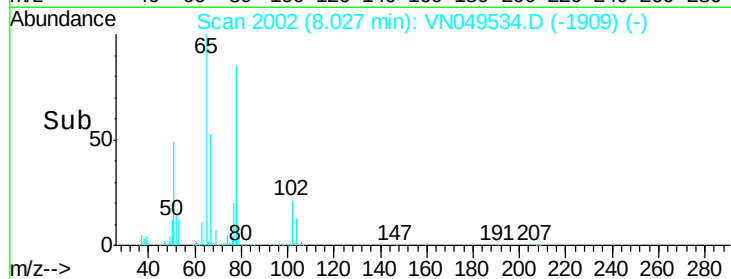
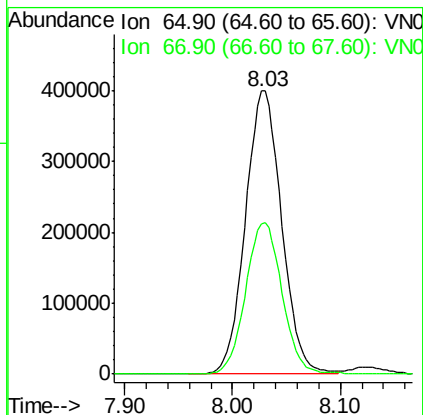
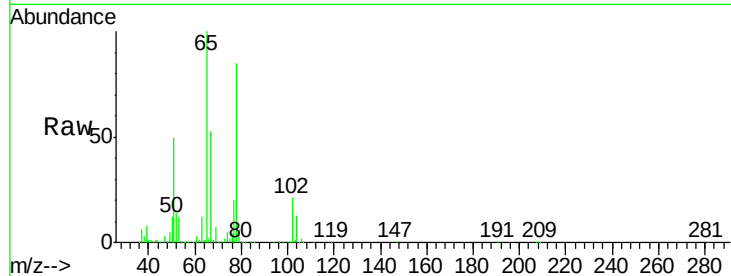




#33
 1,2-Dichloroethane-d4
 Concen: 50.58 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

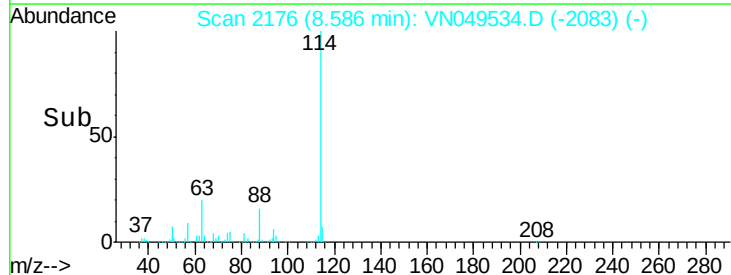
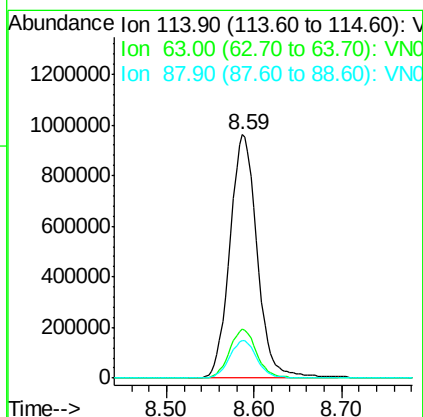
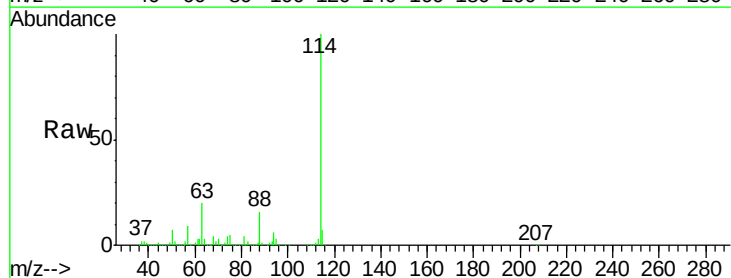
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

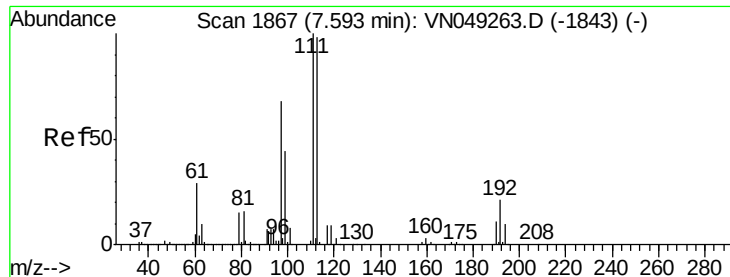
Tot Ion: 65 Resp: 933045
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion: 114 Resp: 2087333
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.5 0.0 31.4

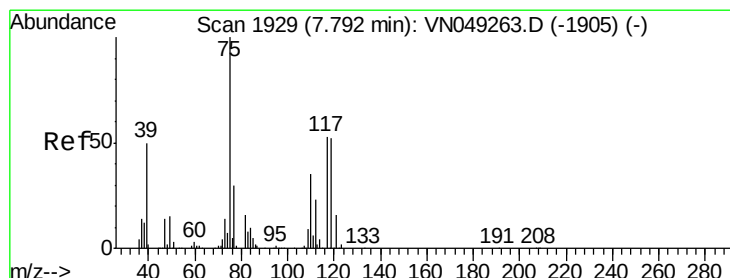
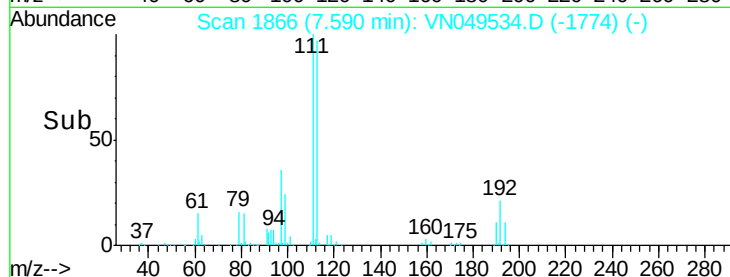
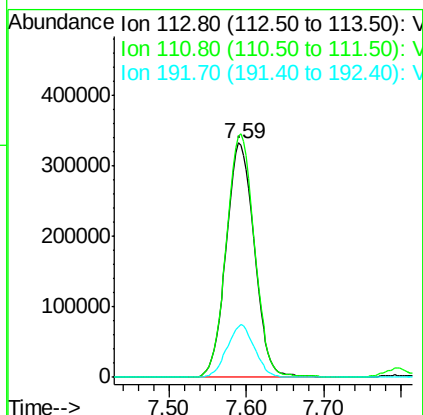
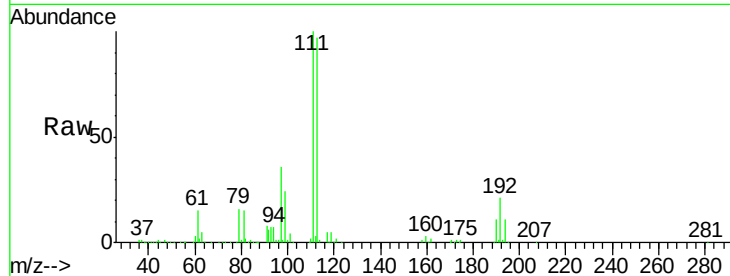




#35
 Dibromofluoromethane
 Concen: 49.83 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

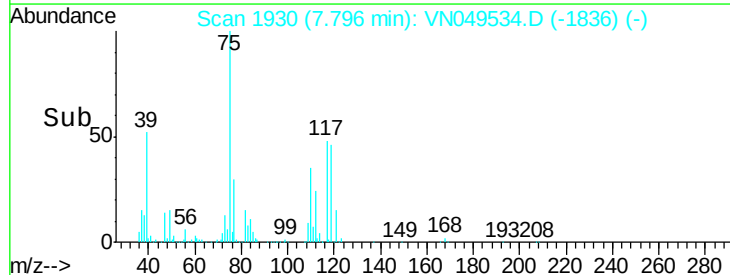
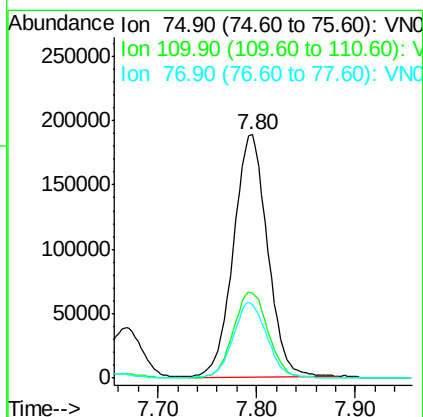
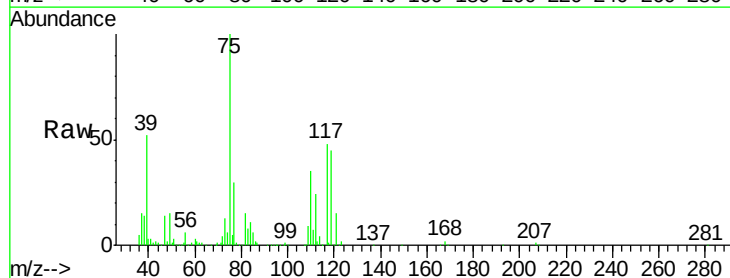
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

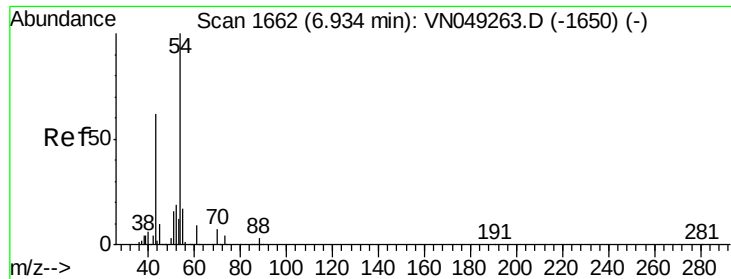
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	21.9	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 18.85 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.0	50.9
77	31.2	24.4	36.6

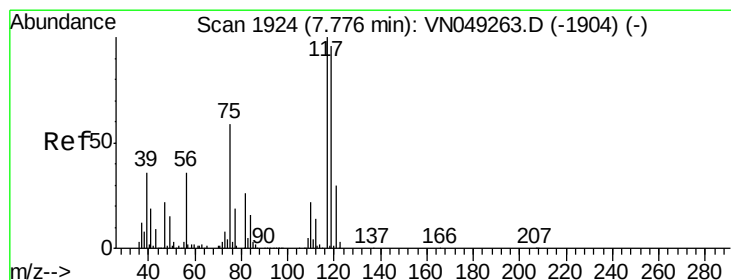
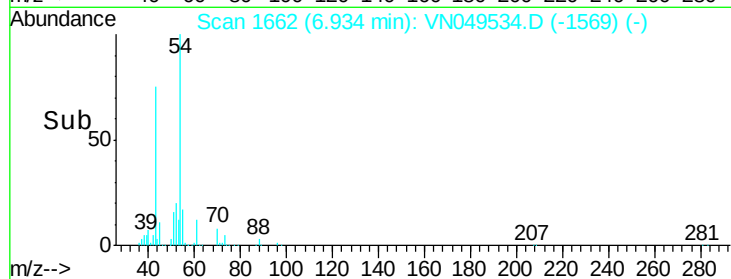
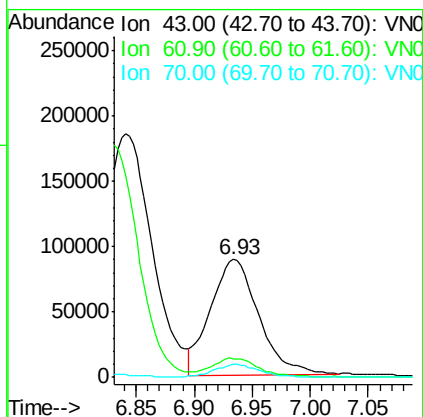
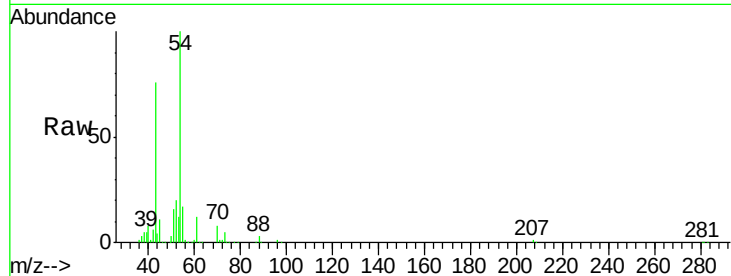




#37
Ethyl Acetate
Concen: 19.63 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

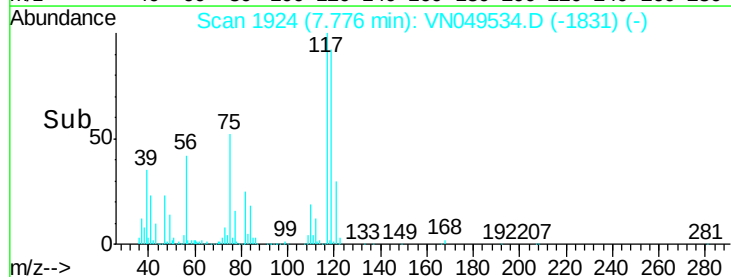
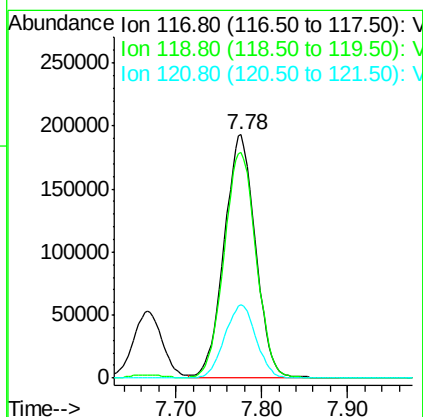
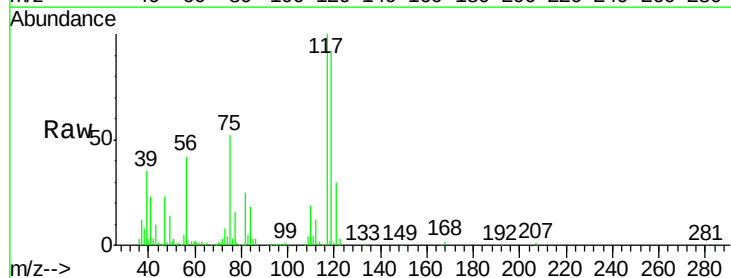
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

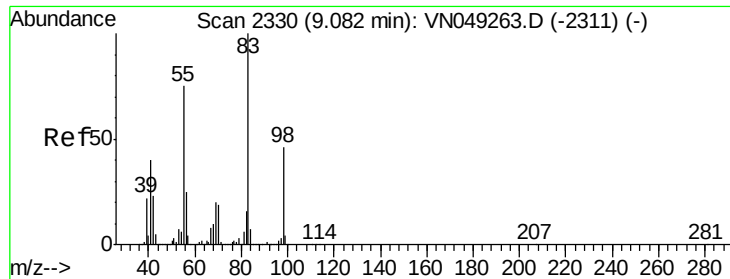
Tot Ion: 43 Resp: 255304
Ion Ratio Lower Upper
43 100
61 14.9 11.0 16.4
70 10.6 7.2 10.8



#38
Carbon Tetrachloride
Concen: 19.62 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 117 Resp: 486036
Ion Ratio Lower Upper
117 100
119 92.5 75.6 113.4
121 30.1 24.7 37.1

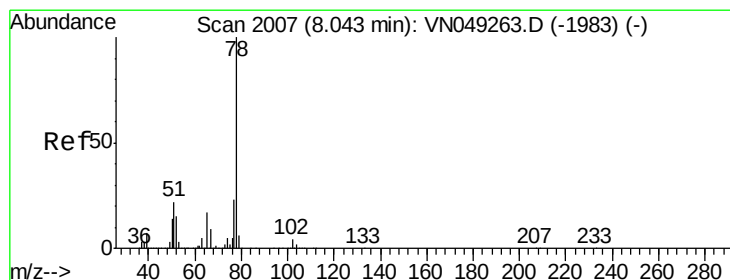
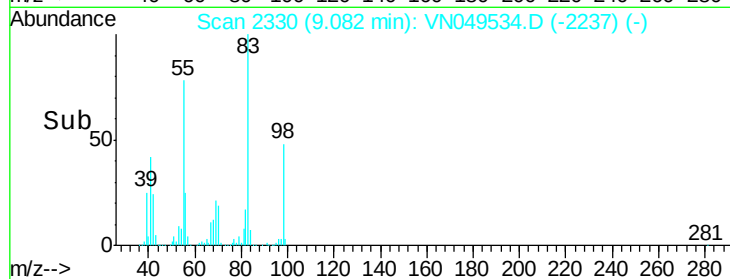
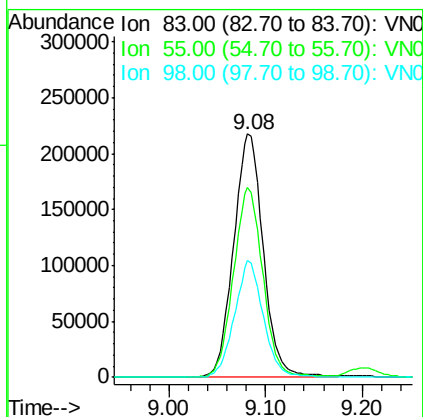
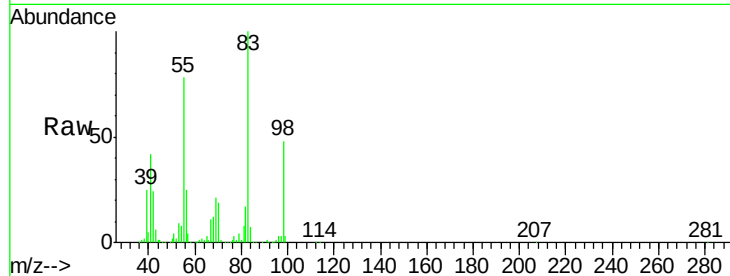




#39
Methylvlcyclohexane
Concen: 18.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

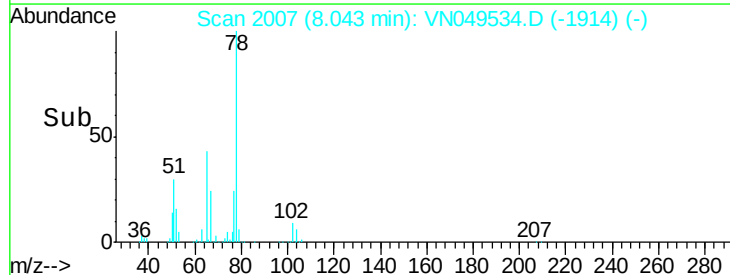
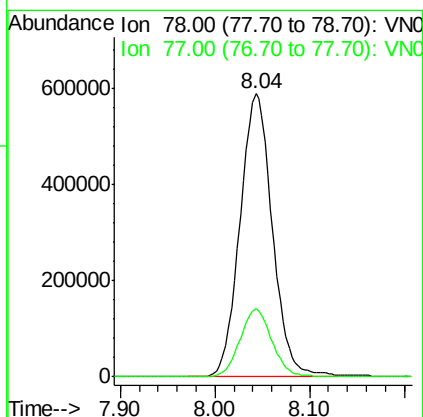
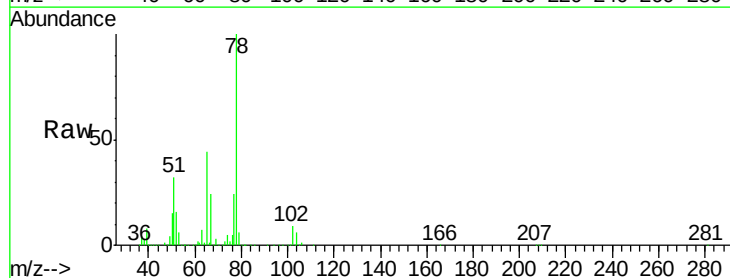
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

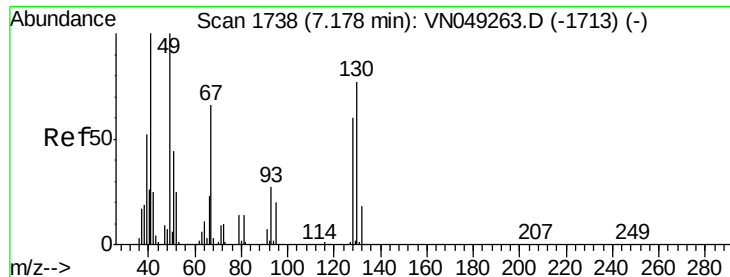
Tot Ion: 83 Resp: 463457
Ion Ratio Lower Upper
83 100
55 78.2 65.1 97.7
98 47.9 36.5 54.7



#40
Benzene
Concen: 19.12 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 78 Resp: 1402042
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

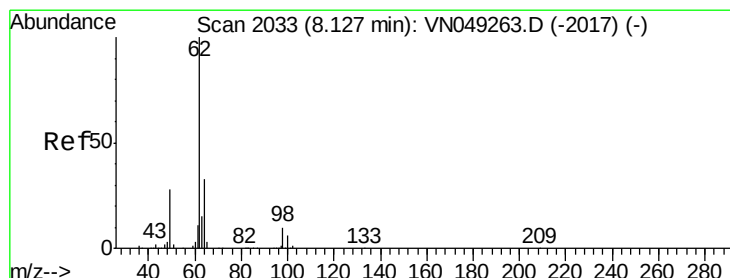
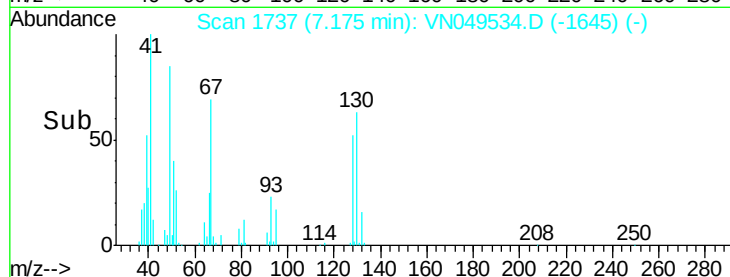
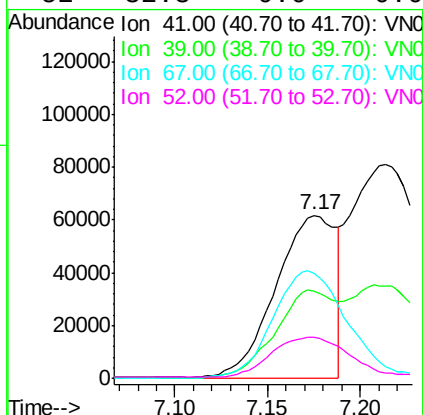
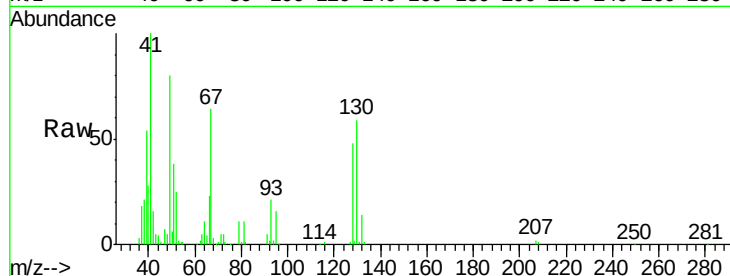




#41
Methacrylonitrile
Concen: 19.74 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

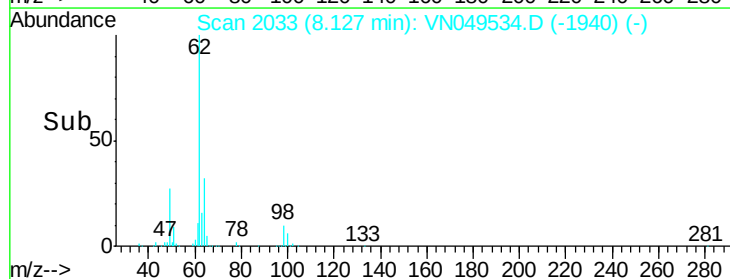
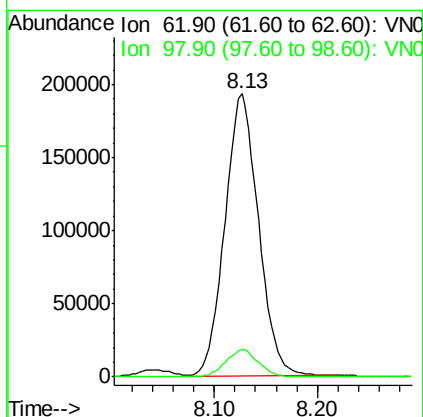
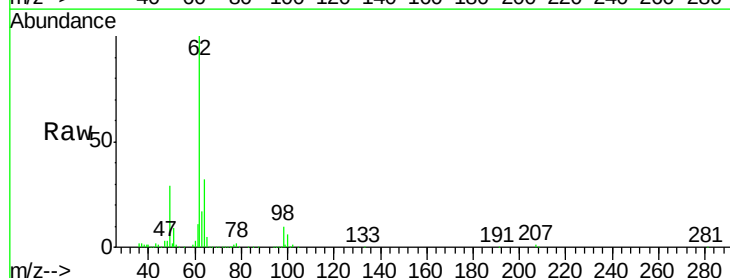
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

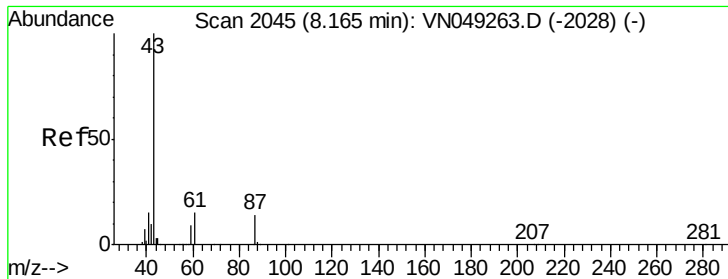
Tot Ion:	41	Resp:	138766
Ion	Ratio	Lower	Upper
41	100		
39	53.1	0.0	0.0#
67	82.9	0.0	0.0#
52	32.3	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.33 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion:	62	Resp:	438056
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.29 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

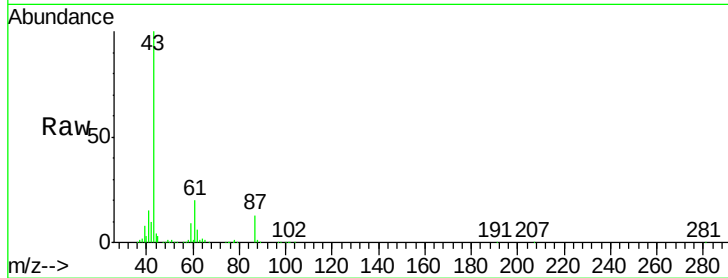
Tot Ion: 43 Resp: 479306

Ion Ratio Lower Upper

43 100

61 19.3 14.2 21.4

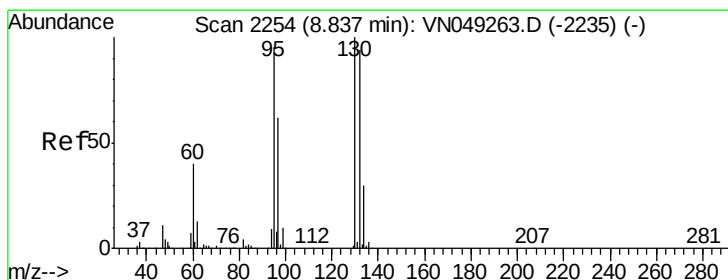
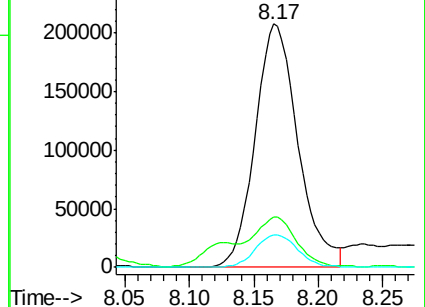
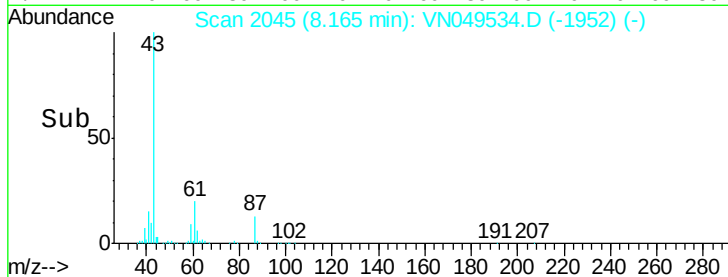
87 13.4 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VN049534.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049534.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049534.D (-1952) (-)



#44

Trichloroethene

Concen: 19.53 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049534.D

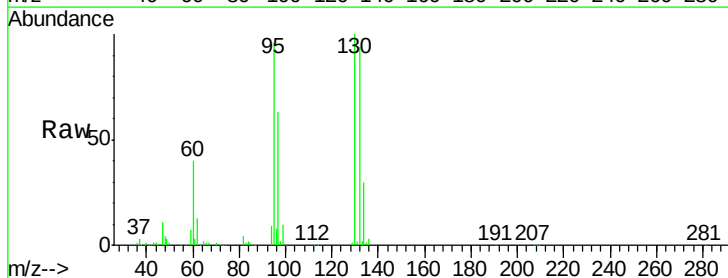
Acq: 26 Jun 2018 2:11

Tgt Ion: 130 Resp: 378185

Ion Ratio Lower Upper

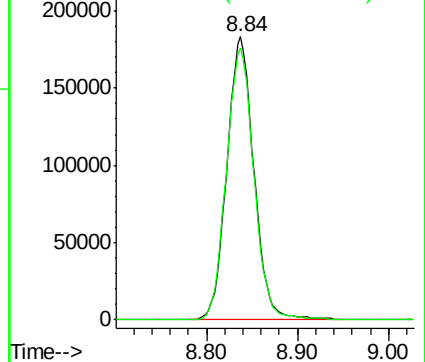
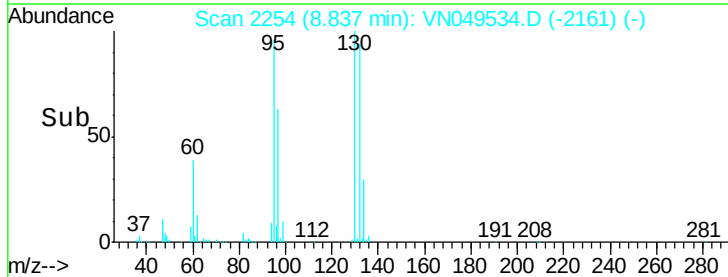
130 100

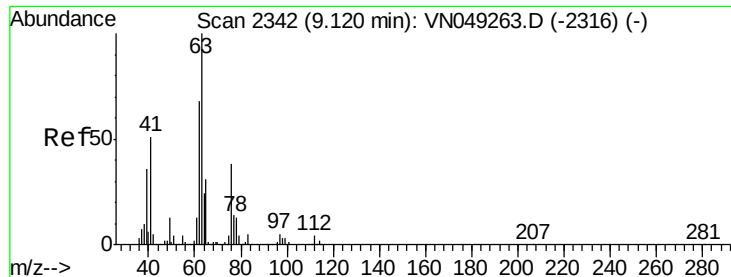
95 95.8 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049534.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049534.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 19.63 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

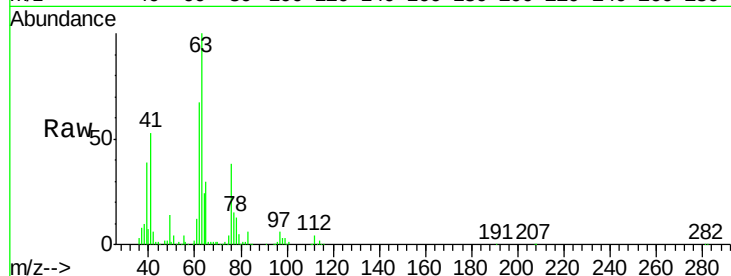
VN0625WBS03

Tot Ion: 63 Resp: 376971

Ion Ratio Lower Upper

63 100

65 30.2 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

150000

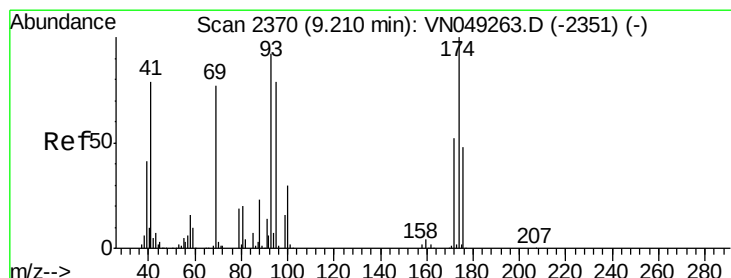
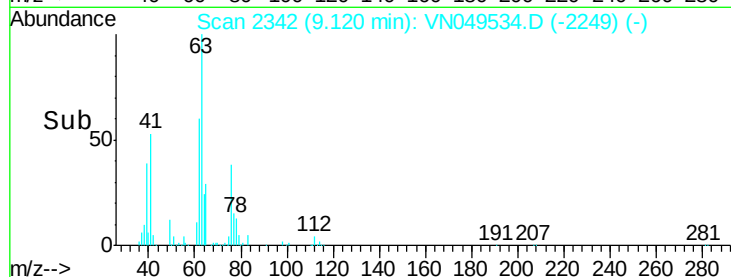
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 19.44 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

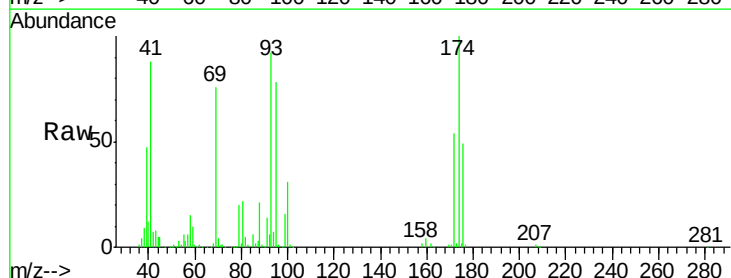
Tgt Ion: 93 Resp: 216439

Ion Ratio Lower Upper

93 100

95 83.5 67.2 100.8

174 109.0 75.6 113.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

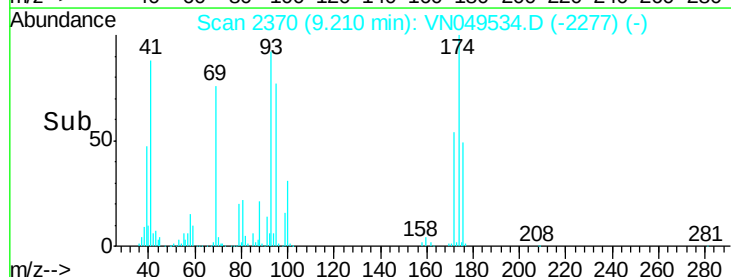
100000

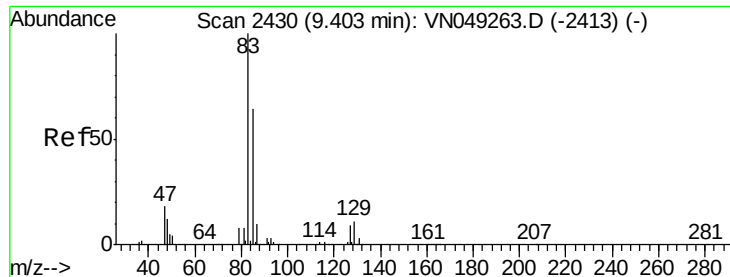
50000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 19.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

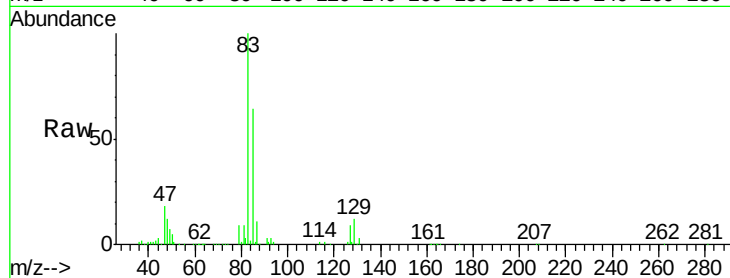
Tot Ion: 83 Resp: 475540

Ion Ratio Lower Upper

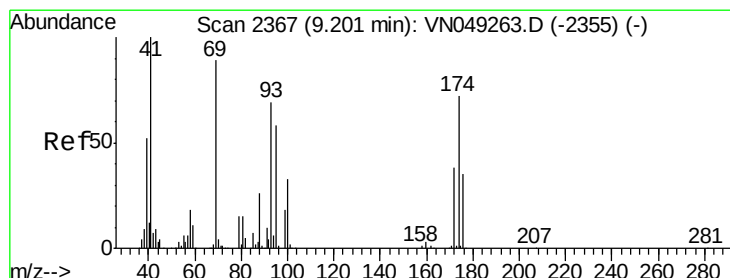
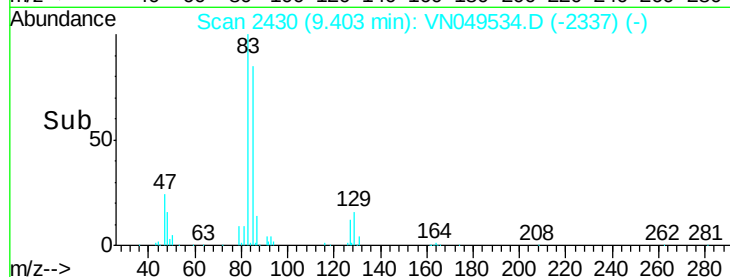
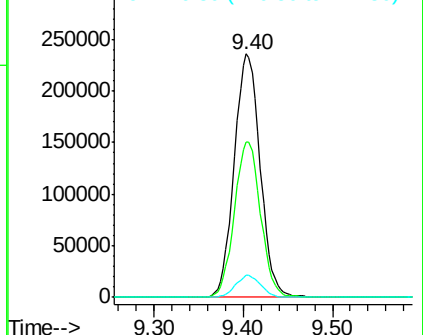
83 100

85 63.7 49.4 74.0

127 9.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.90 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

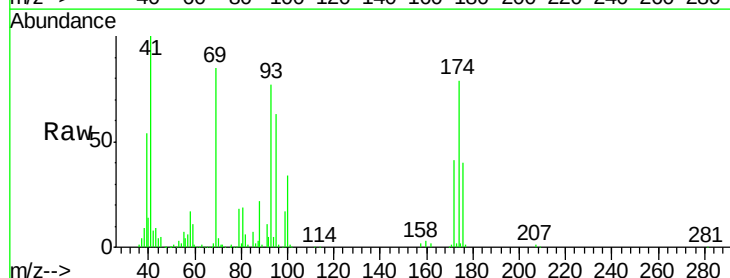
Tgt Ion: 41 Resp: 232830

Ion Ratio Lower Upper

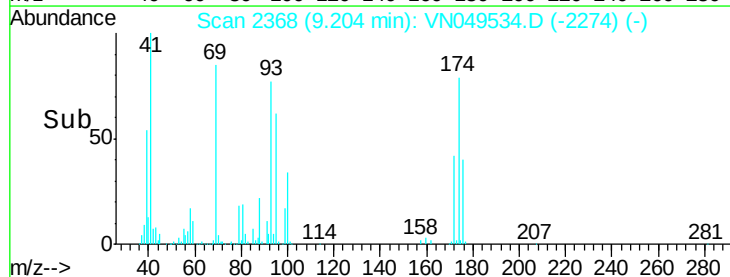
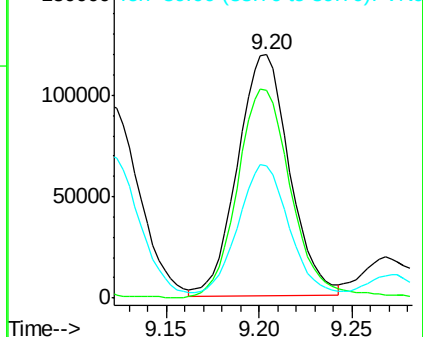
41 100

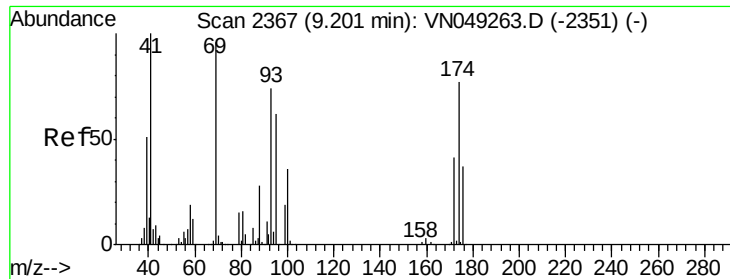
69 88.4 62.0 93.0

39 55.0 50.6 75.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

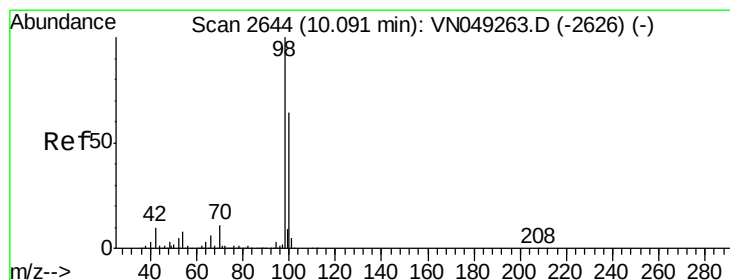
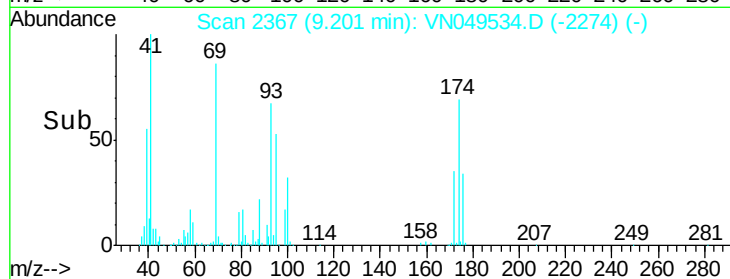
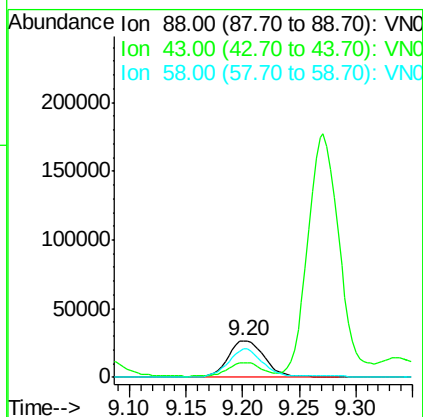
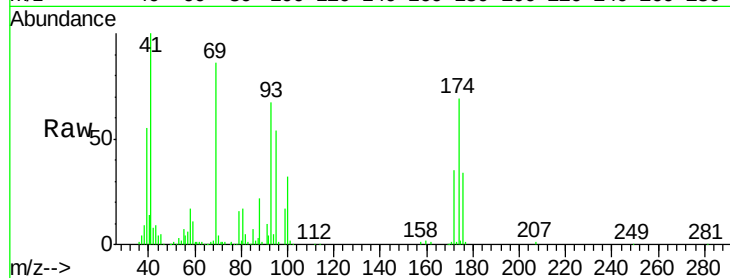




#49
1,4-Dioxane
Concen: 374.67 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

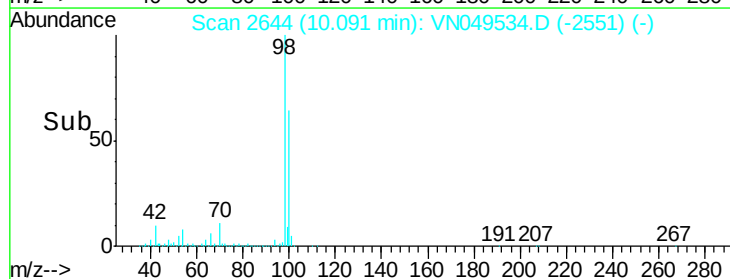
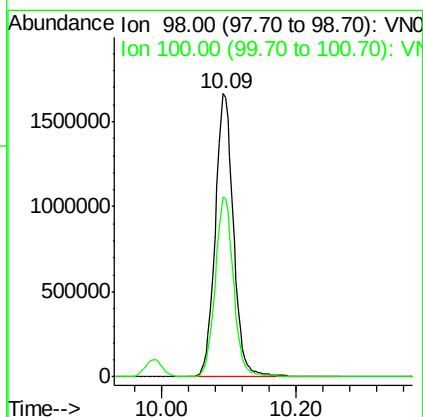
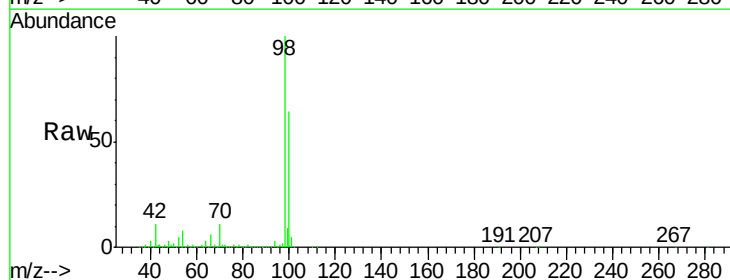
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

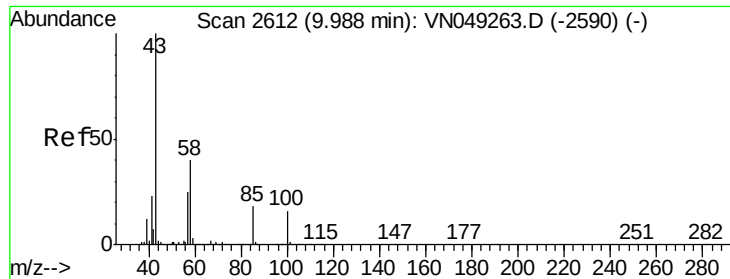
Tot Ion: 88 Resp: 60510
Ion Ratio Lower Upper
88 100
43 34.6 30.9 46.3
58 71.4 58.9 88.3



#50
Toluene-d8
Concen: 48.97 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 98 Resp: 3148842
Ion Ratio Lower Upper
98 100
100 64.1 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 97.65 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

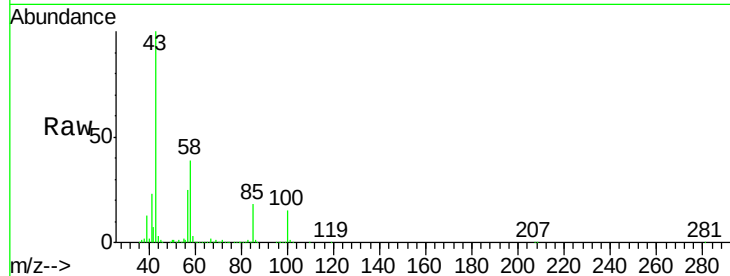
VN0625WBS03

Tot Ion: 43 Resp: 1271776

Ion Ratio Lower Upper

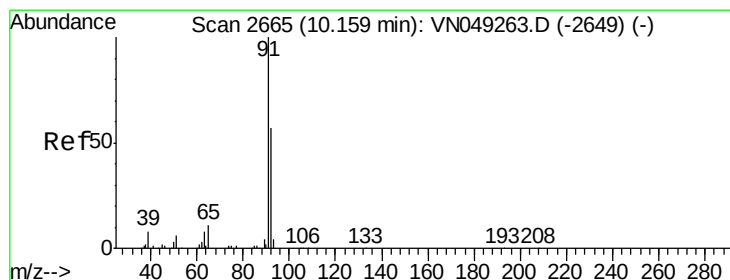
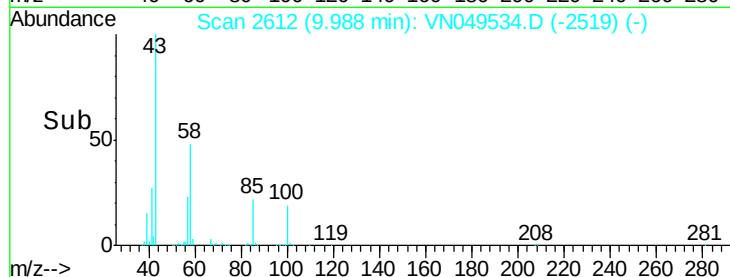
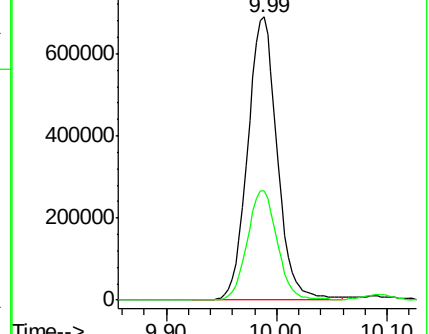
43 100

58 39.5 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.09 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049534.D

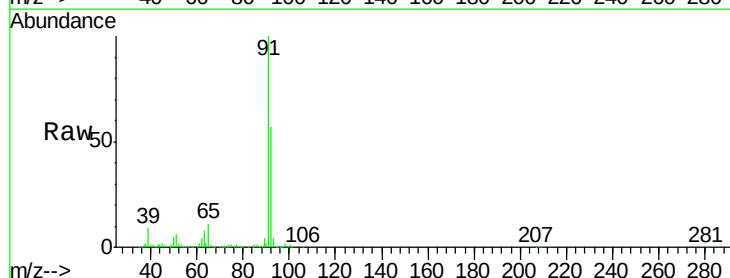
Acq: 26 Jun 2018 2:11

Tgt Ion: 92 Resp: 864748

Ion Ratio Lower Upper

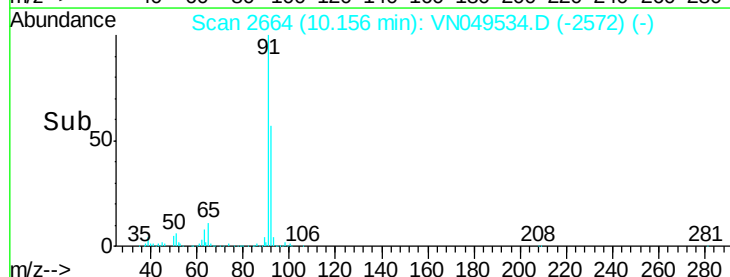
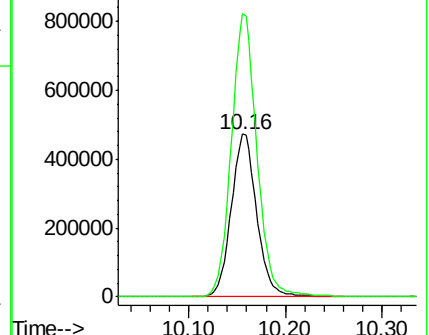
92 100

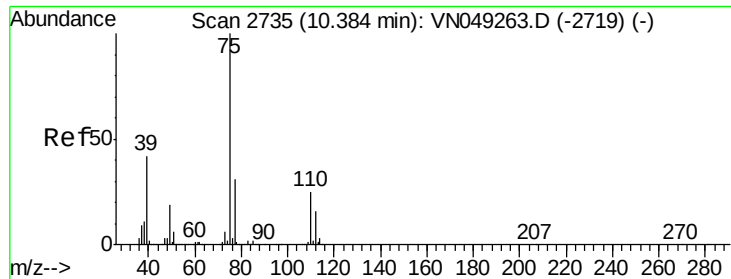
91 175.4 143.4 215.2



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: 18.08 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

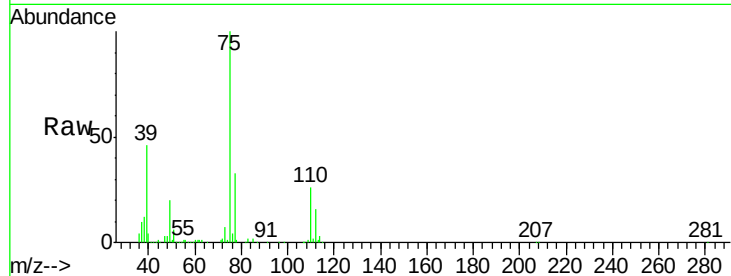
VN0625WBS03

Tot Ion: 75 Resp: 423246

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

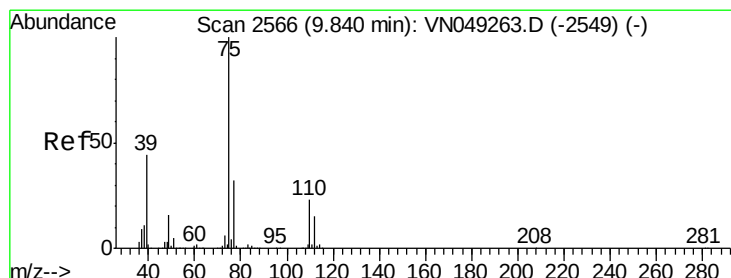
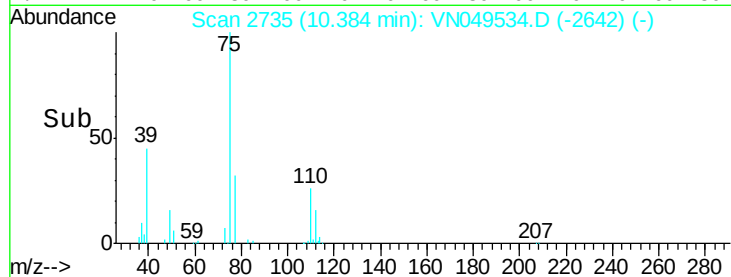
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.59 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

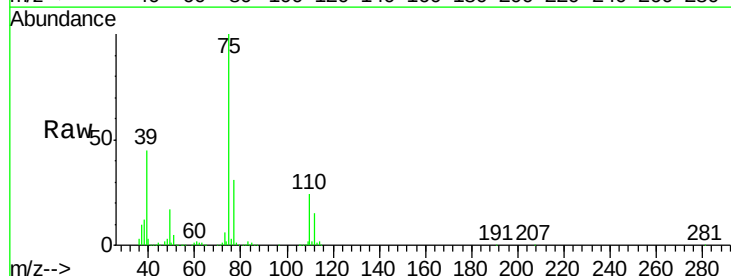
Tgt Ion: 75 Resp: 513767

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2

39 45.0 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

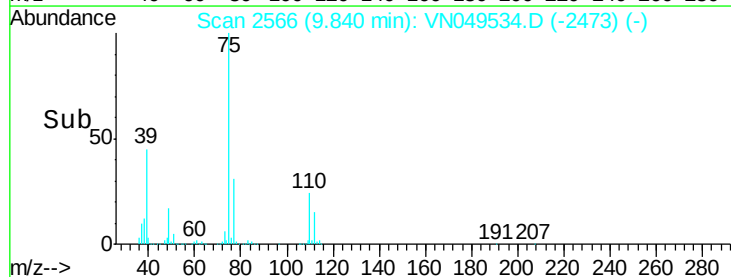
300000

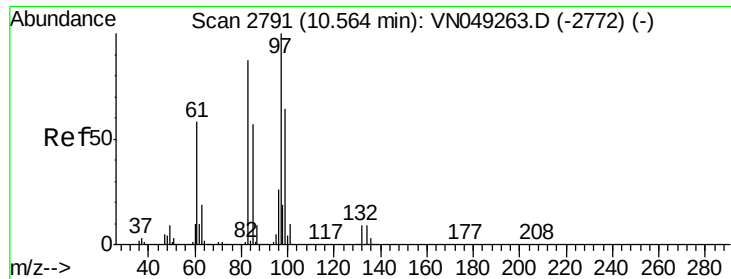
200000

100000

0

Time-->

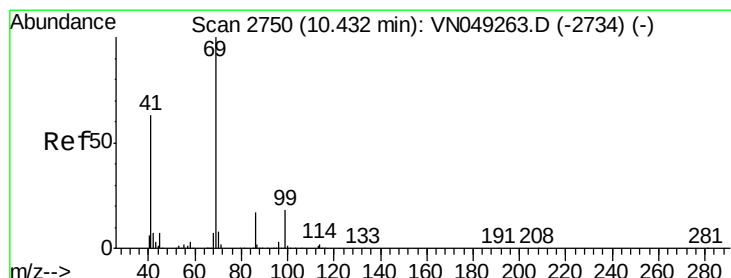
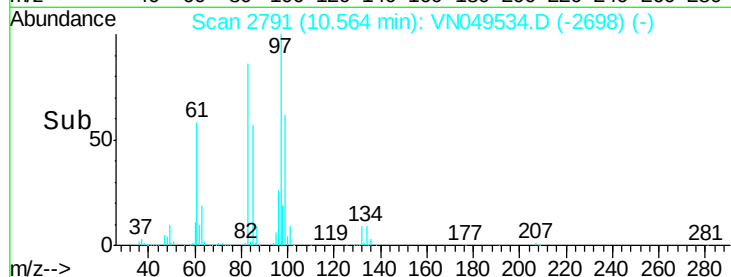
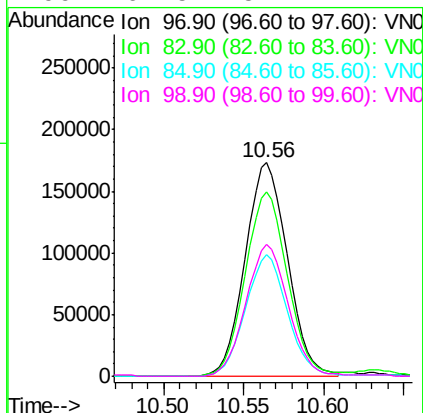
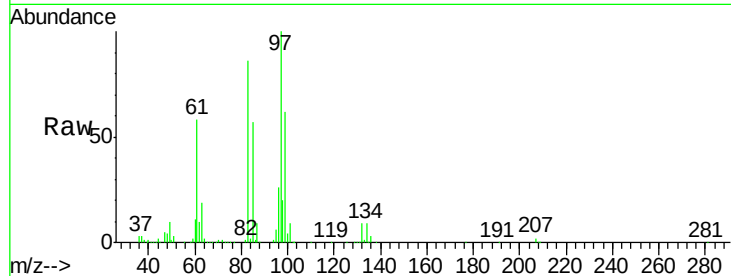




#55
 1,1,2-Trichloroethane
 Concen: 19.51 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

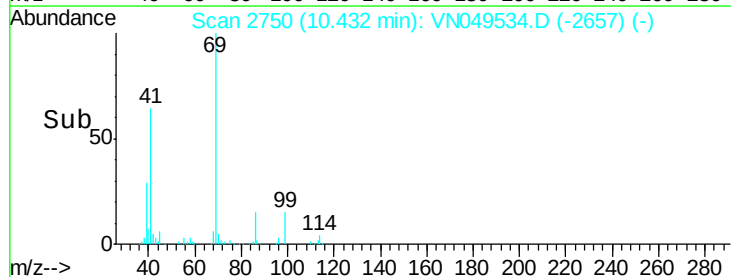
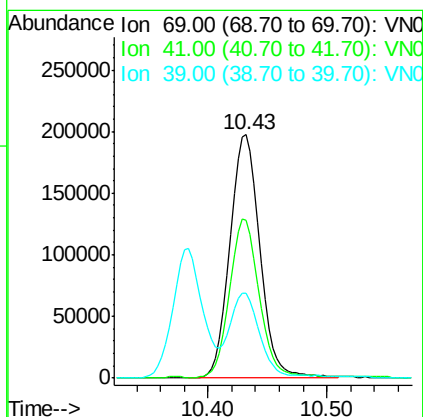
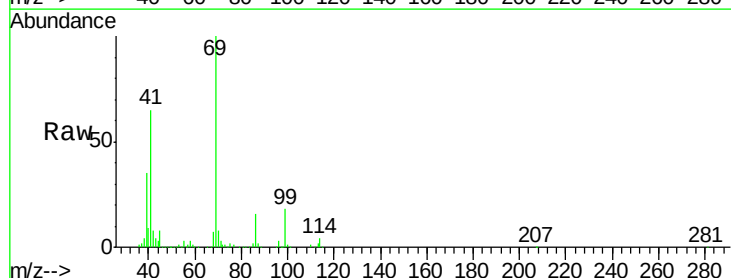
Instrument :
 MSVOA_N
 ClientSampled :
 VN0625WBS03

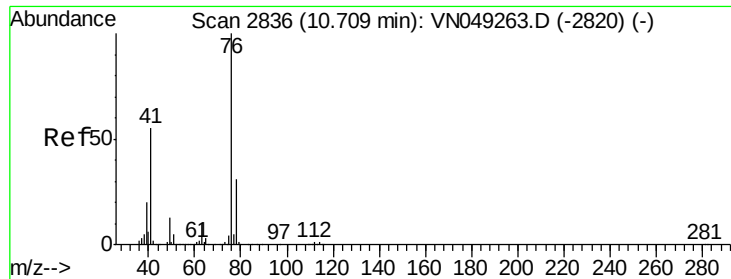
Tot Ion:	97	Resp:	313029
Ion	Ratio	Lower	Upper
97	100		
83	86.1	71.5	107.3
85	56.7	47.0	70.4
99	61.5	51.4	77.2



#56
 Ethyl methacrylate
 Concen: 18.72 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion:	69	Resp:	346525
Ion	Ratio	Lower	Upper
69	100		
41	64.1	58.4	87.6
39	33.3	35.5	53.3#

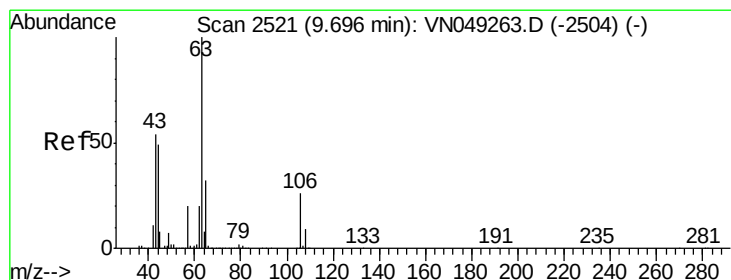
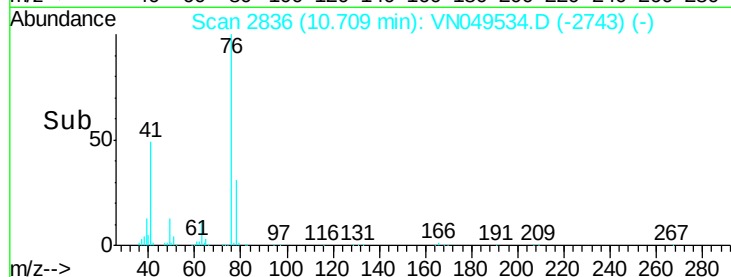
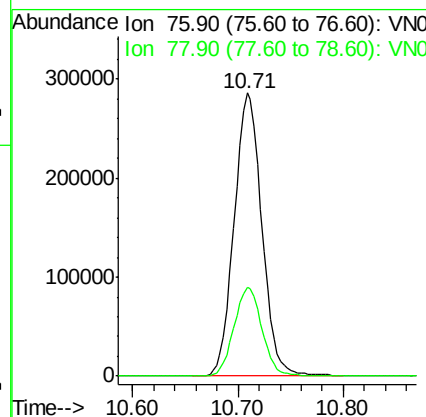
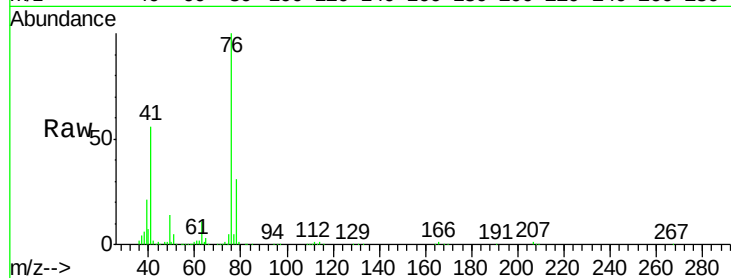




#57
 1,3-Dichloropropane
 Concen: 19.55 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

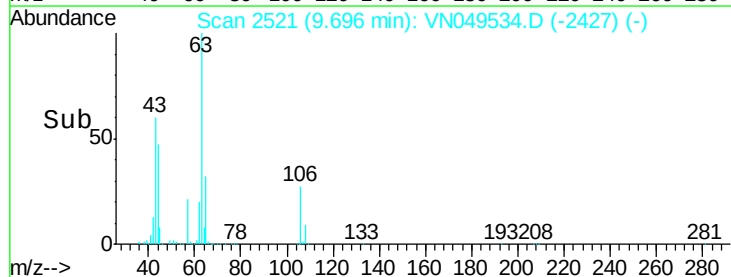
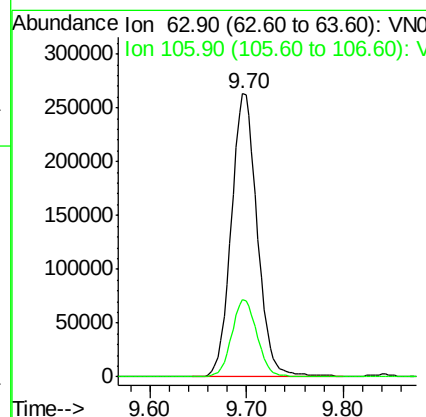
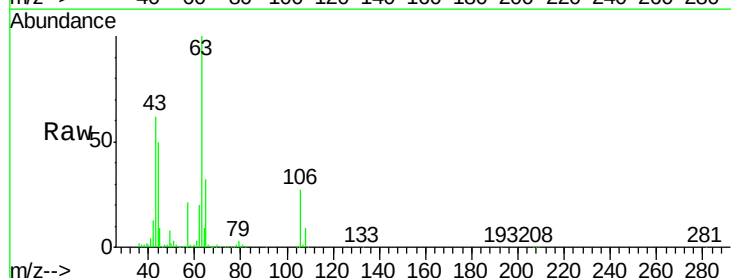
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

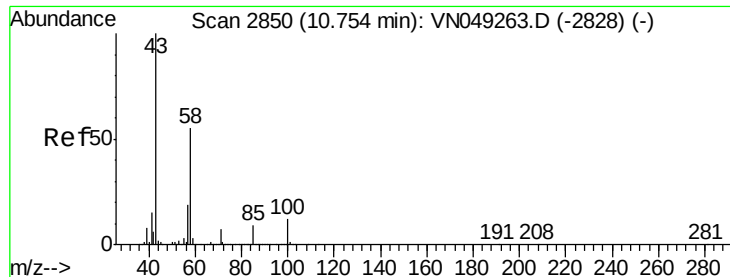
Tot Ion: 76 Resp: 519789
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 84.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion: 63 Resp: 491468
 Ion Ratio Lower Upper
 63 100
 106 26.7 19.4 29.2





#59

2-Hexanone

Concen: 92.53 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

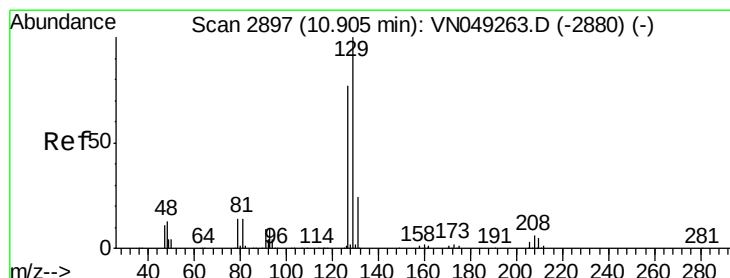
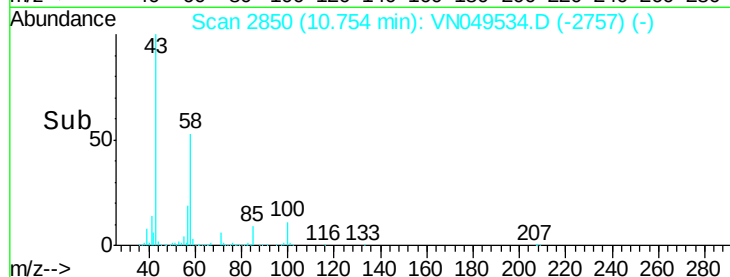
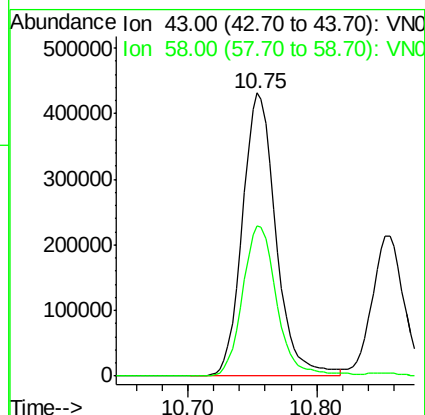
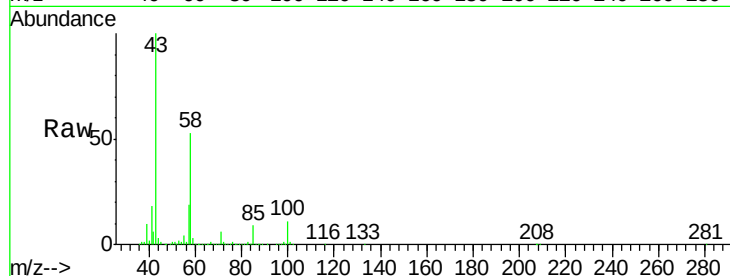
VN0625WBS03

Tot Ion: 43 Resp: 776899

Ion Ratio Lower Upper

43 100

58 54.4 25.2 75.6



#60

Dibromochloromethane

Concen: 19.34 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN049534.D

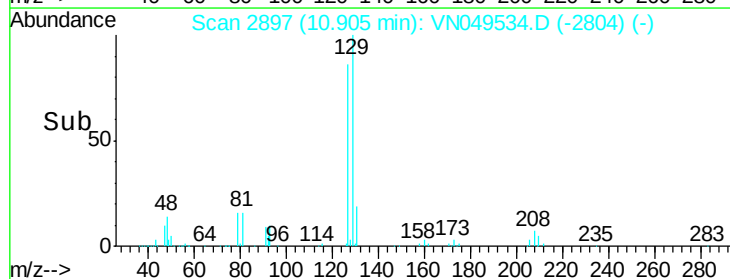
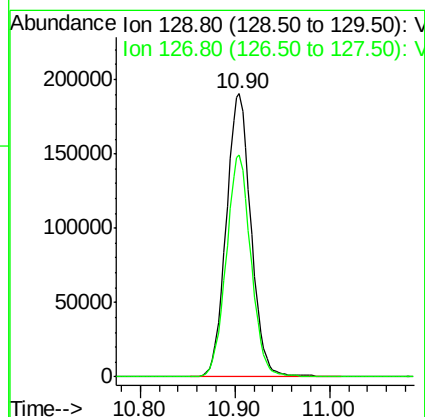
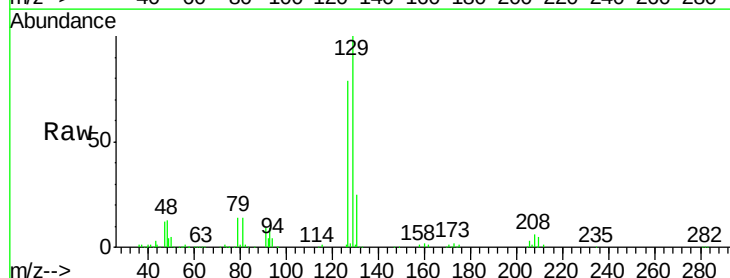
Acq: 26 Jun 2018 2:11

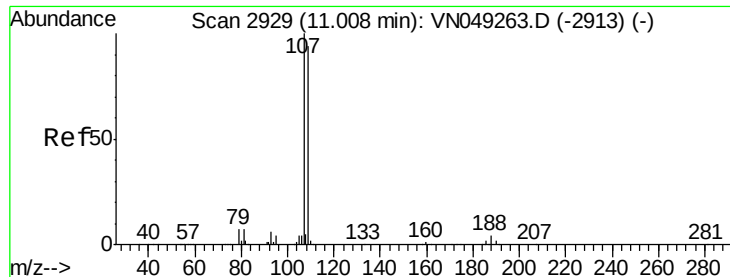
Tgt Ion: 129 Resp: 346476

Ion Ratio Lower Upper

129 100

127 78.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.52 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

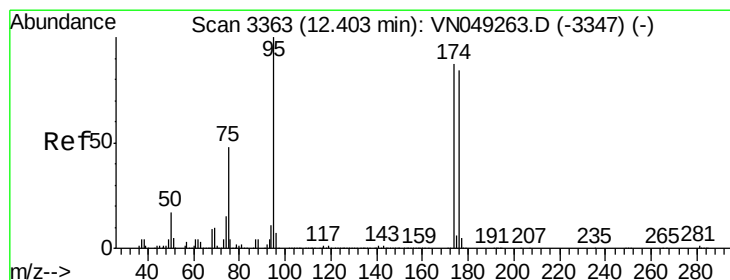
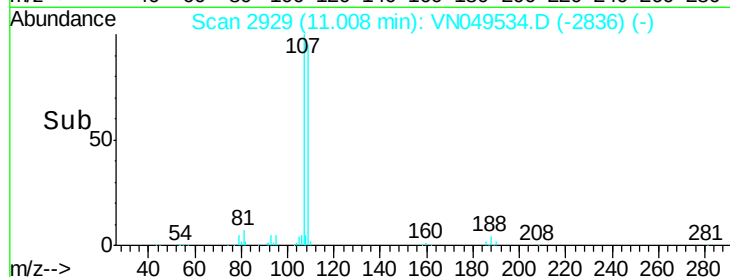
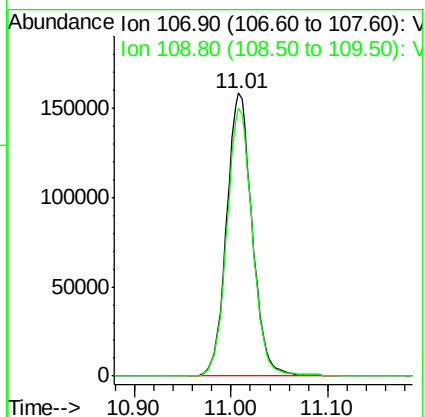
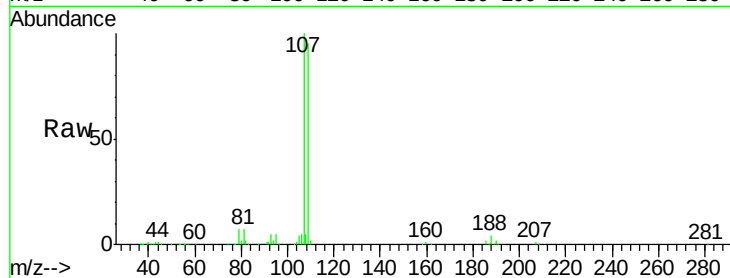
VN0625WBS03

Tot Ion: 107 Resp: 291146

Ion Ratio Lower Upper

107 100

109 94.9 75.4 113.2



#62

4-Bromofluorobenzene

Concen: 47.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

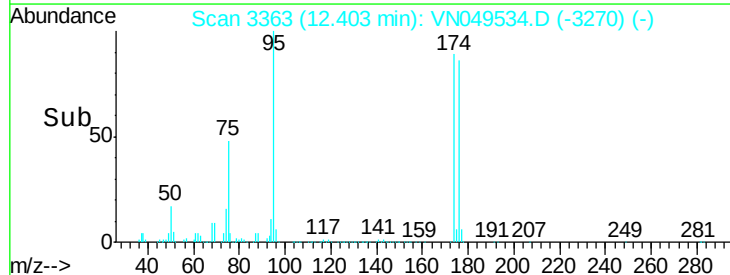
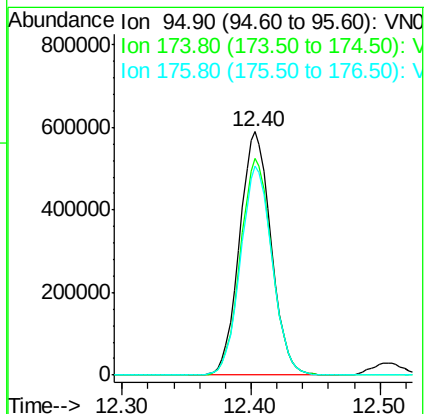
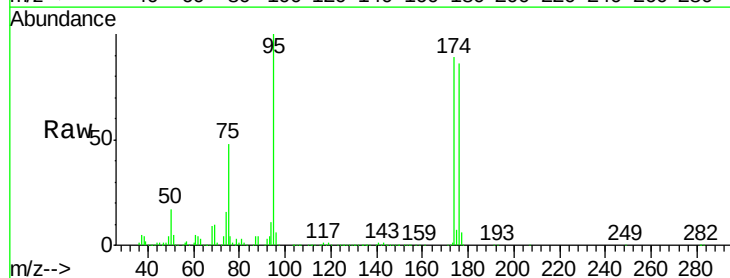
Tgt Ion: 95 Resp: 1002904

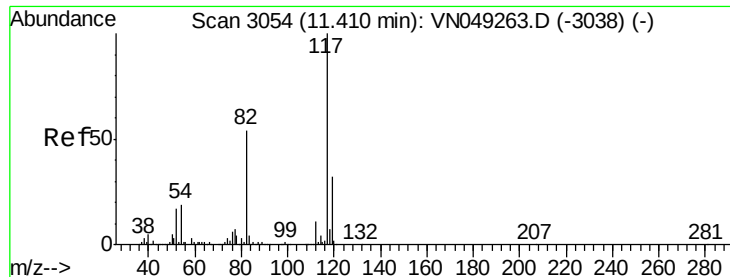
Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

176 86.3 0.0 157.4

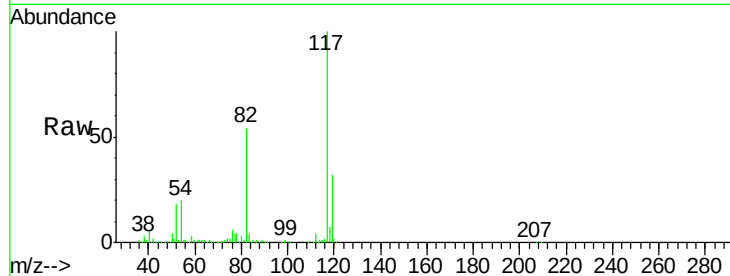




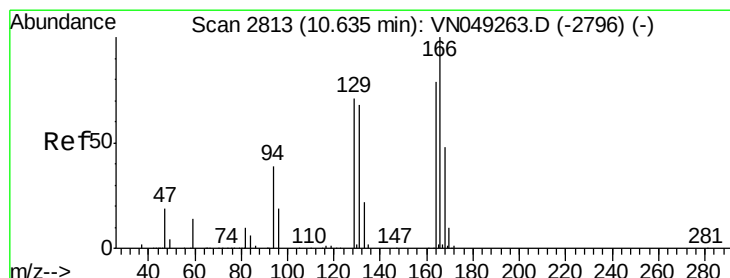
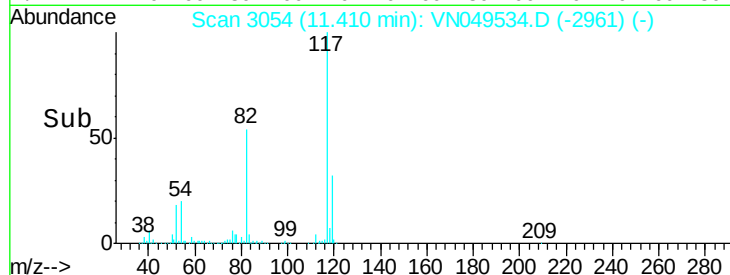
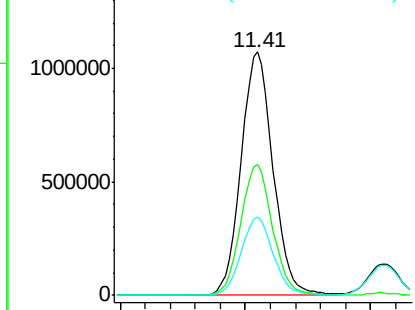
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

Tot Ion:117 Resp: 1901245
Ion Ratio Lower Upper
117 100
82 53.9 45.9 68.9
119 32.3 25.5 38.3

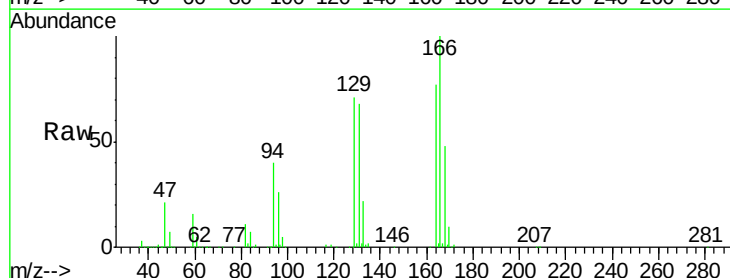


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

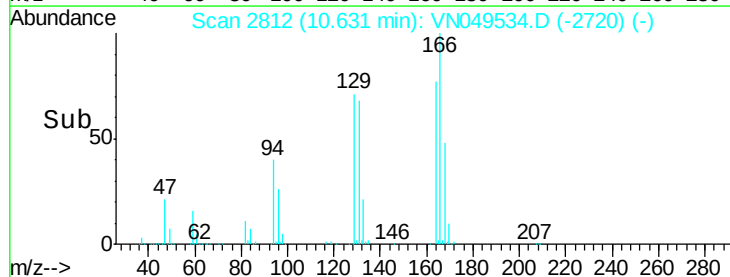
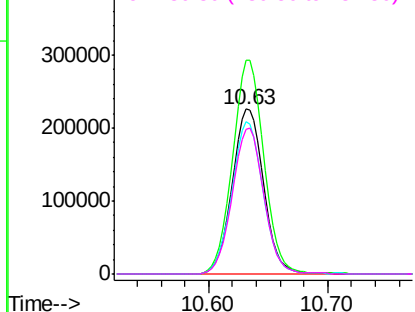


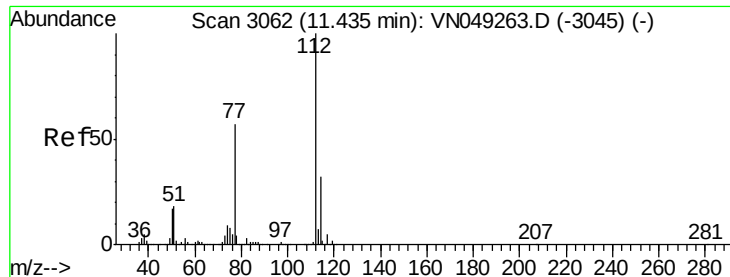
#64
Tetrachloroethene
Concen: 21.23 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion:164 Resp: 413664
Ion Ratio Lower Upper
164 100
166 129.4 101.4 152.2
129 91.9 74.1 111.1
131 87.8 73.7 110.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.10 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

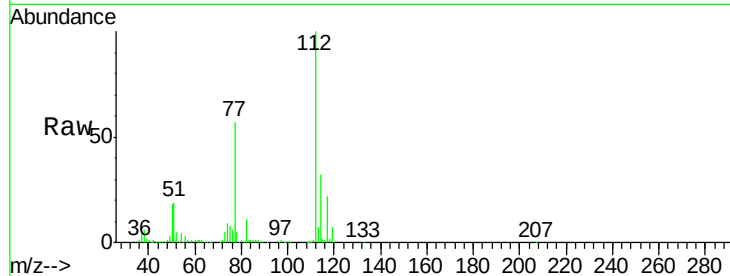
VN0625WBS03

Tot Ion:112 Resp: 935442

Ion Ratio Lower Upper

112 100

114 31.7 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.44

600000

500000

400000

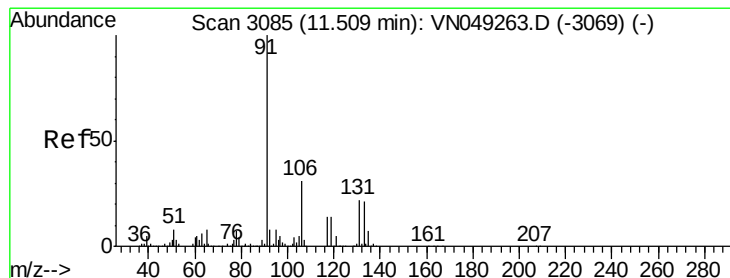
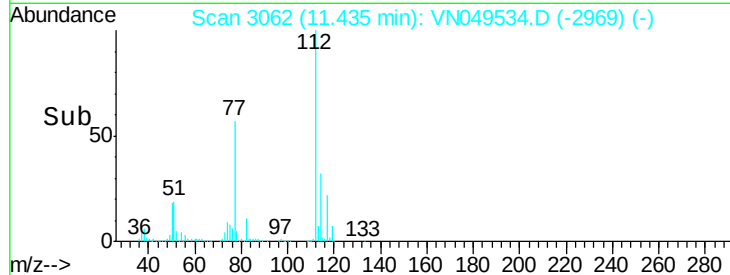
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.18 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

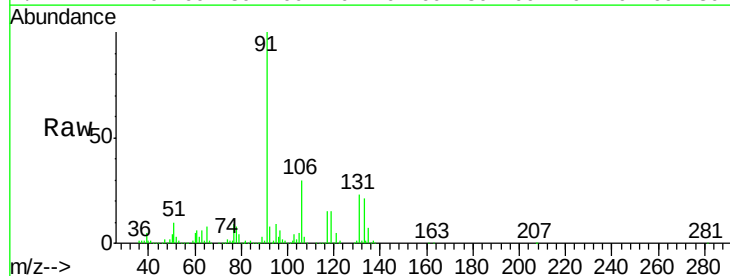
Tgt Ion:131 Resp: 353490

Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

119 66.4 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

400000

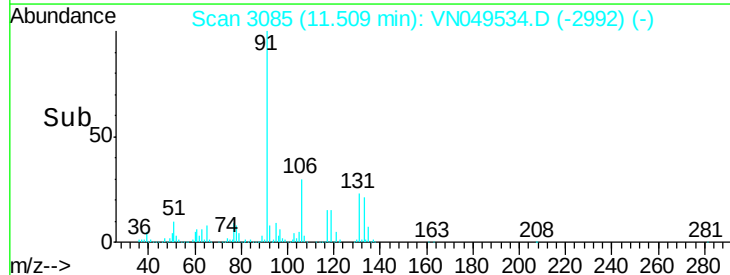
300000

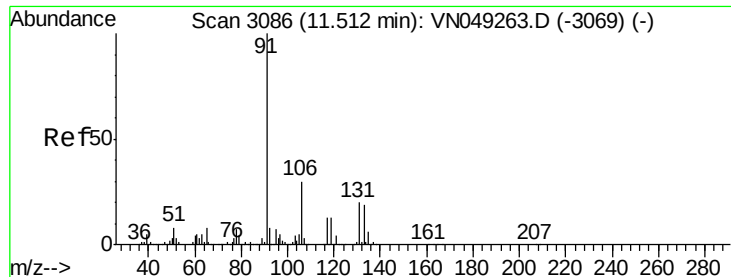
200000

100000

0

Time-->

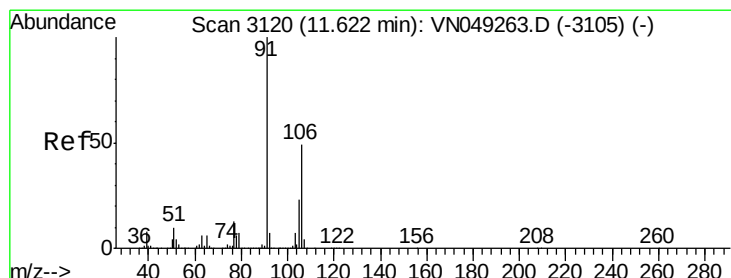
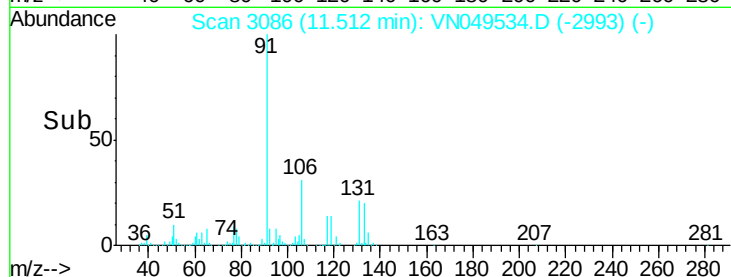
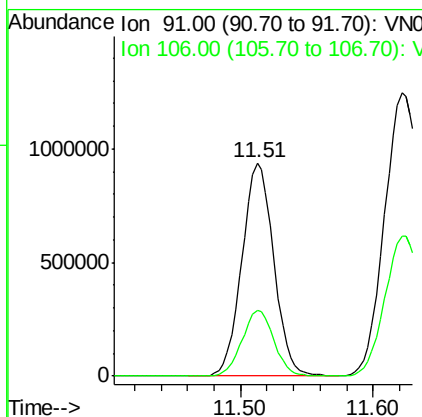
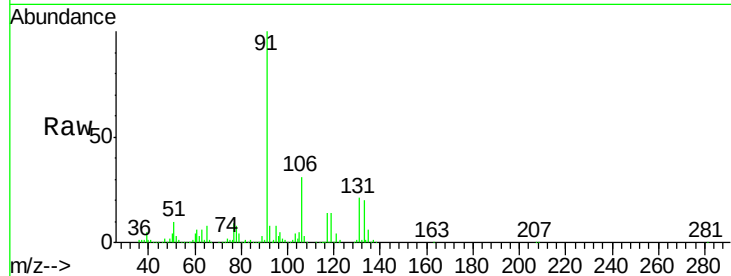




#67
Ethyl Benzene
Concen: 19.27 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

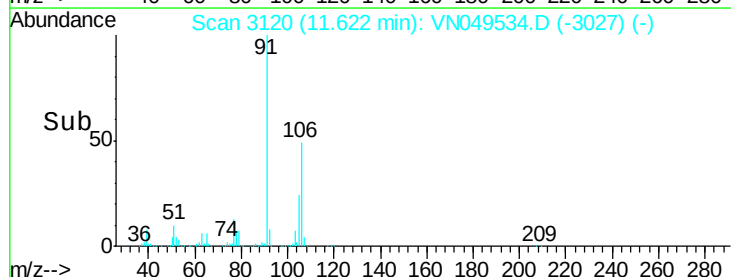
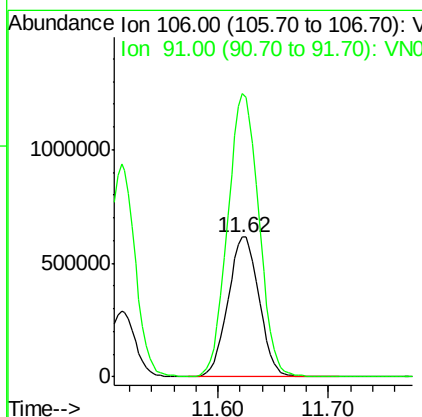
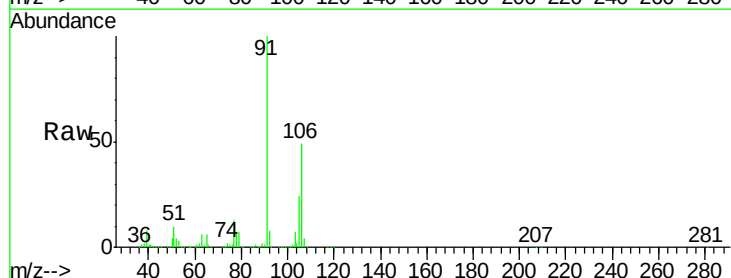
Instrument :
MSVOA_N
ClientSampled :
VN0625WBS03

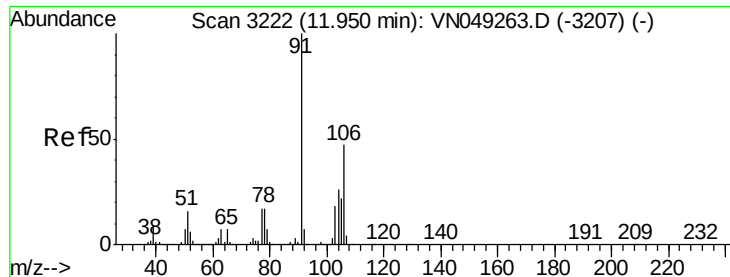
Tot Ion: 91 Resp: 1565288
Ion Ratio Lower Upper
91 100
106 31.1 23.9 35.9



#68
m/p-Xylenes
Concen: 39.53 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 106 Resp: 1205045
Ion Ratio Lower Upper
106 100
91 202.6 167.3 250.9

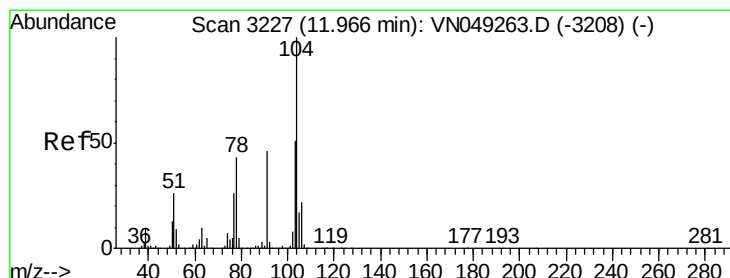
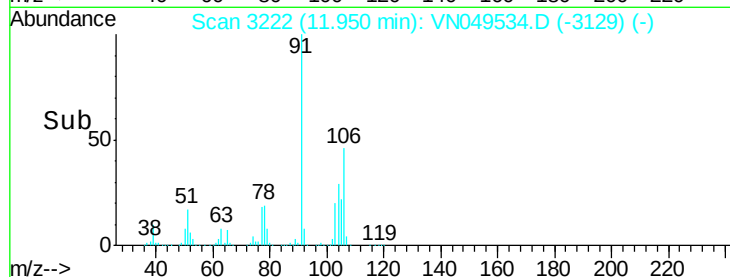
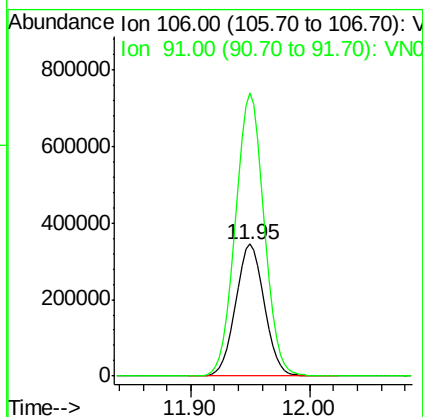
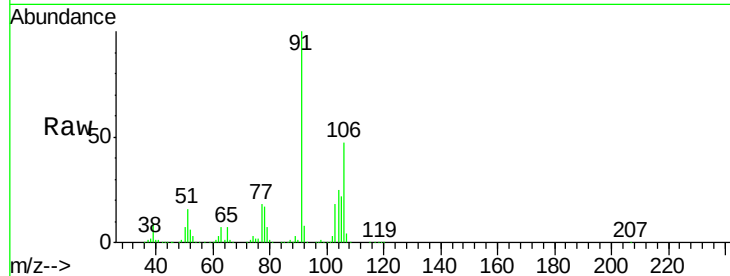




#69
o-Xylene
Concen: 19.65 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

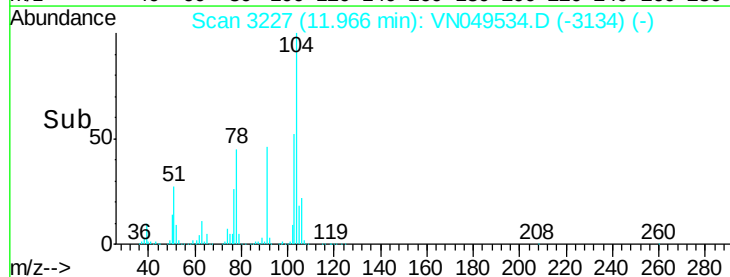
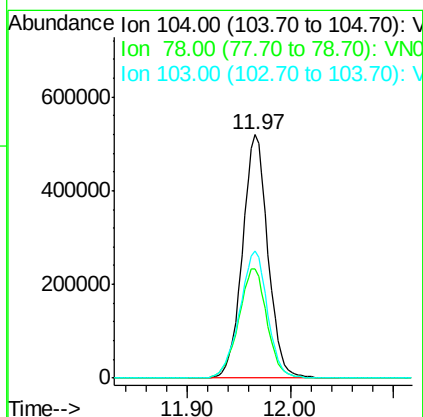
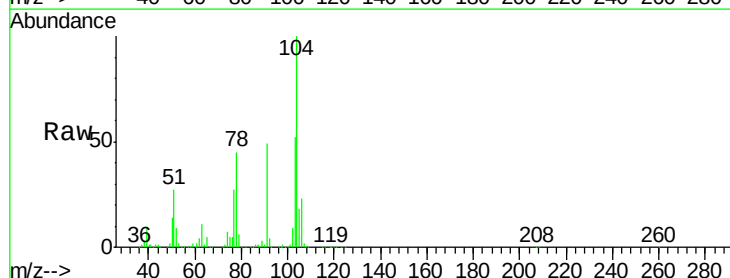
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS03

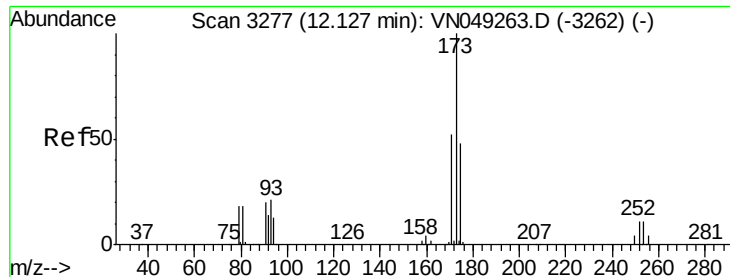
Tot Ion:106 Resp: 576900
Ion Ratio Lower Upper
106 100
91 213.9 111.0 333.0



#70
Styrene
Concen: 19.20 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion:104 Resp: 889606
Ion Ratio Lower Upper
104 100
78 50.6 41.6 62.4
103 57.0 45.4 68.2





#71

Bromoform

Concen: 18.88 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

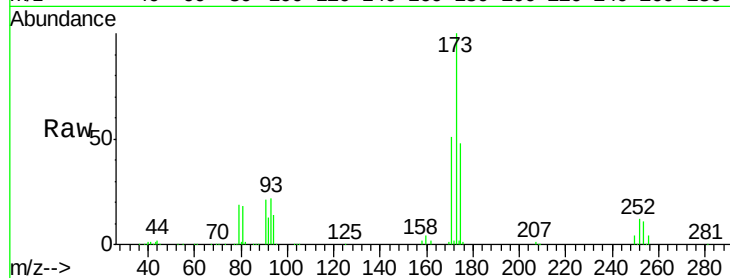
Tot Ion:173 Resp: 225289

Ion Ratio Lower Upper

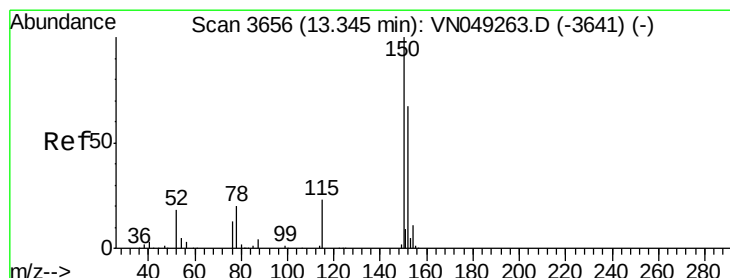
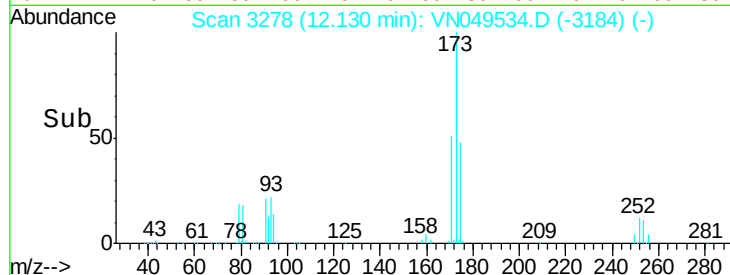
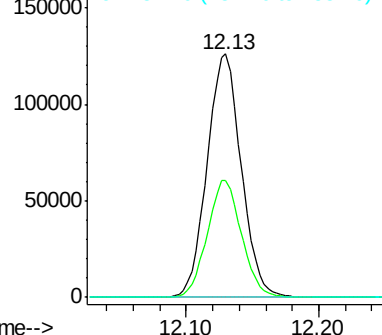
173 100

175 48.2 24.5 73.5

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

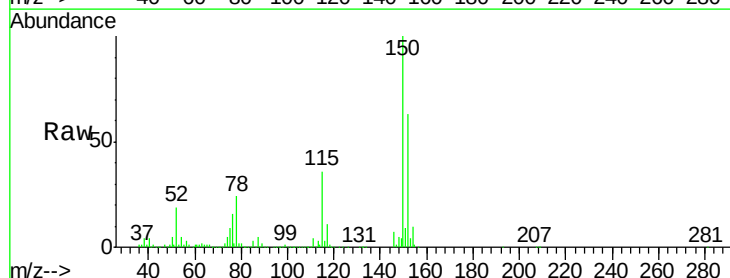
Tgt Ion:152 Resp: 878880

Ion Ratio Lower Upper

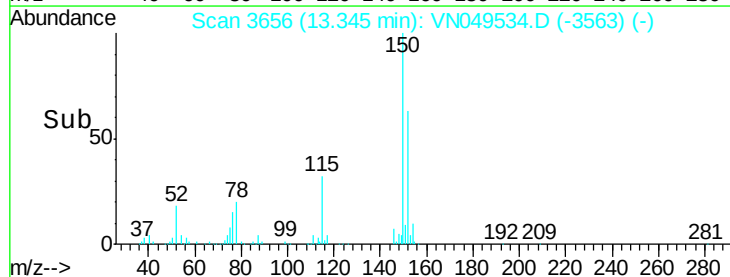
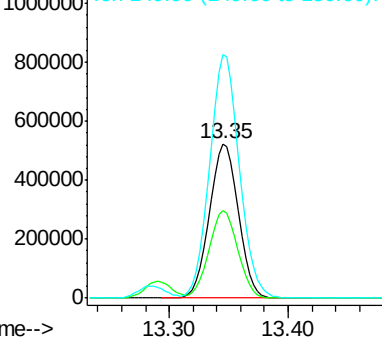
152 100

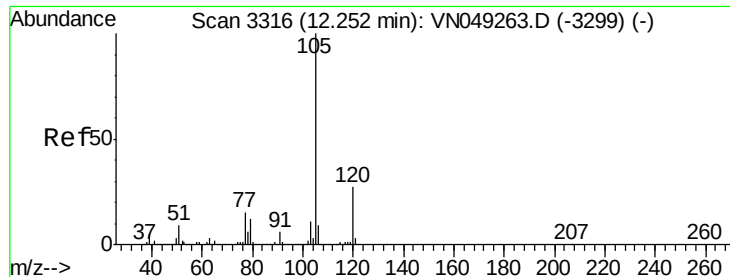
115 56.6 28.7 86.1

150 162.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.74 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

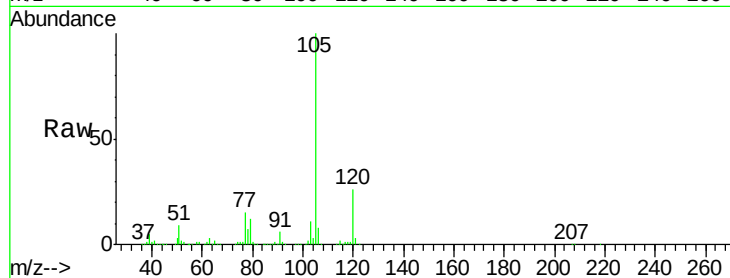
VN0625WBS03

Tot Ion:105 Resp: 1523207

Ion Ratio Lower Upper

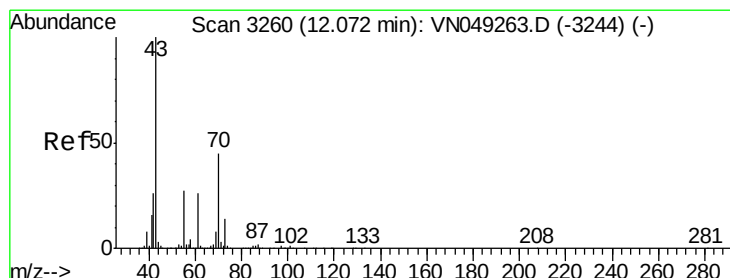
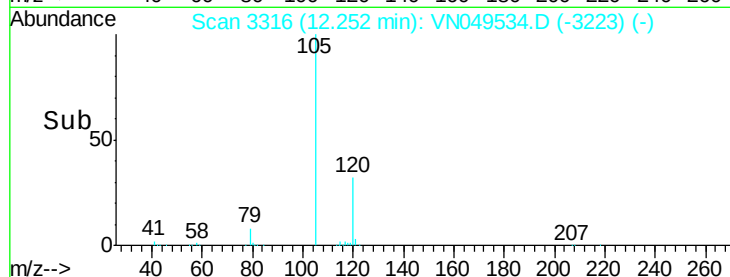
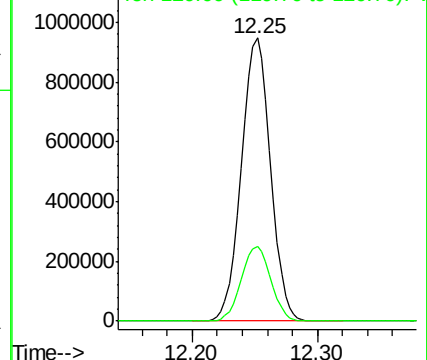
105 100

120 26.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Tgt Ion: 43 Resp: 343770

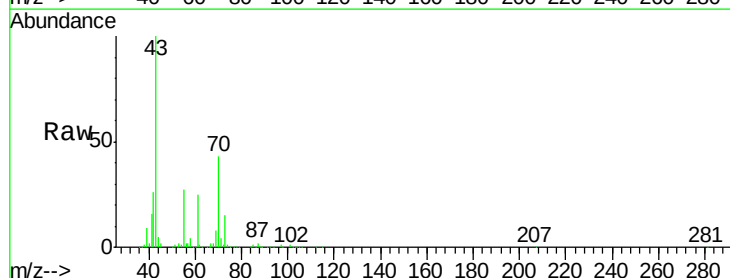
Ion Ratio Lower Upper

43 100

70 43.8 30.3 45.5

55 27.1 19.4 29.2

61 25.3 17.8 26.6

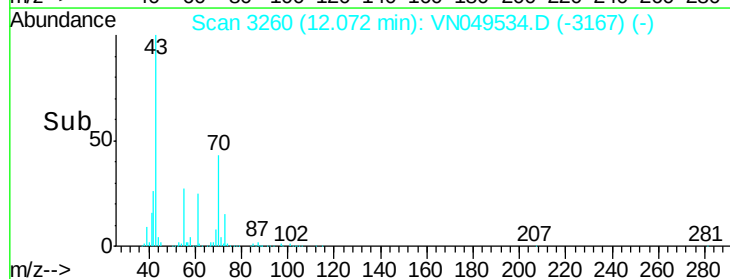
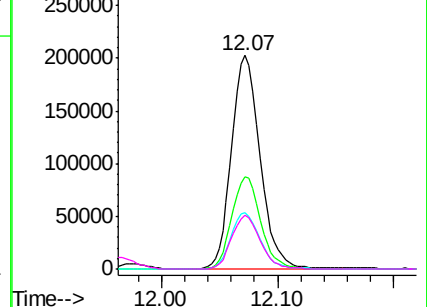


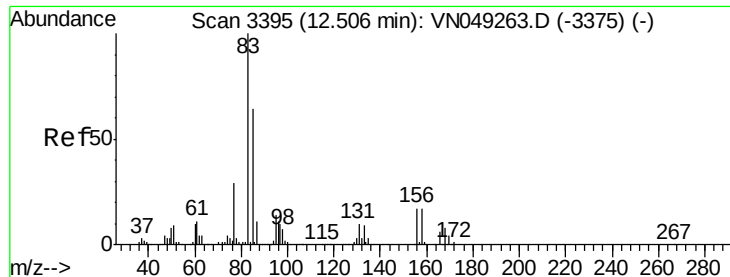
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.93 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

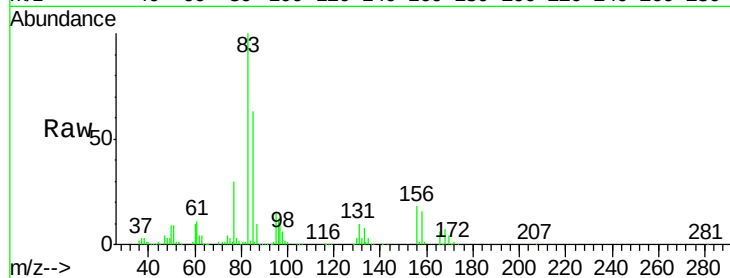
Tot Ion: 83 Resp: 337835

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

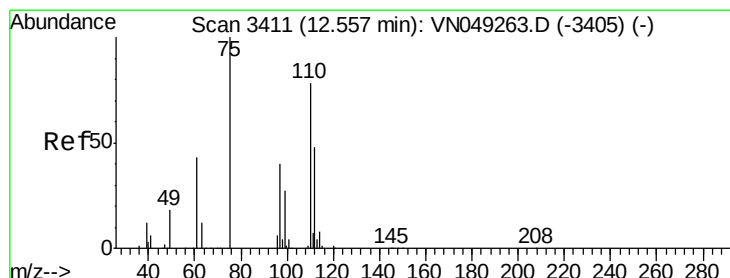
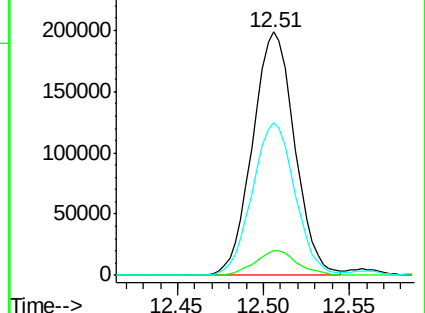
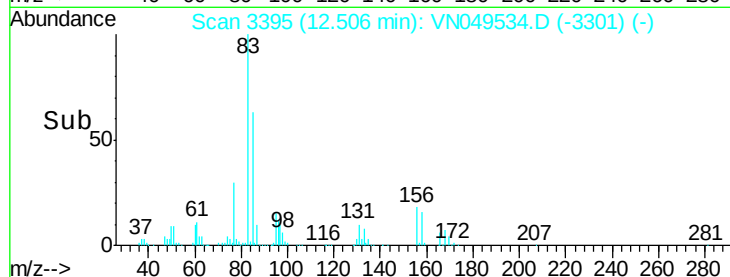
85 63.3 32.0 96.0



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: 28.17 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049534.D

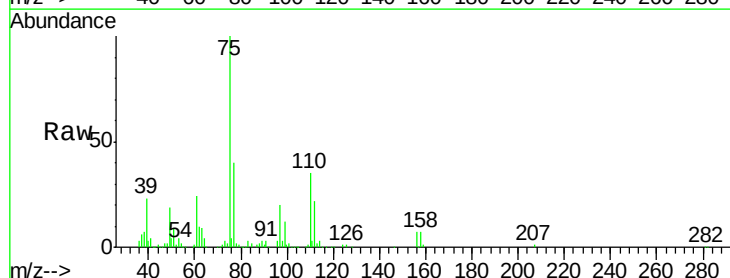
Acq: 26 Jun 2018 2:11

Tgt Ion: 75 Resp: 422400

Ion Ratio Lower Upper

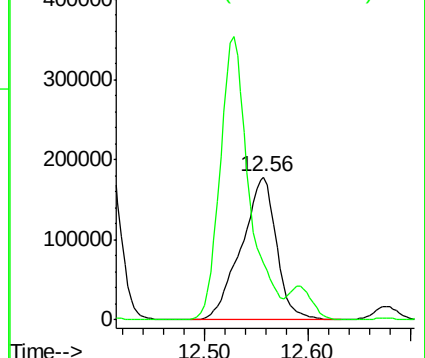
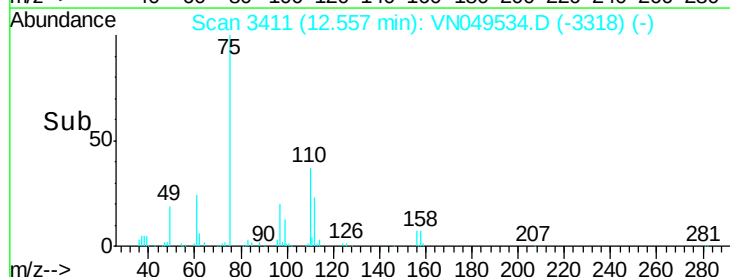
75 100

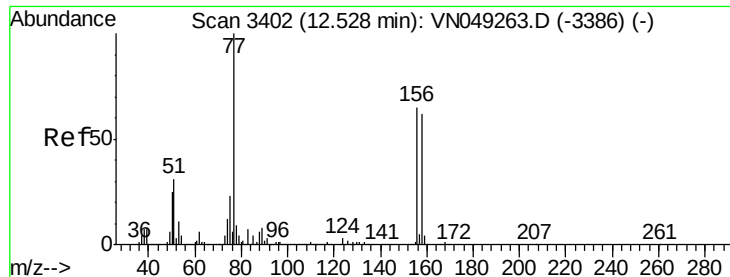
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.04 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

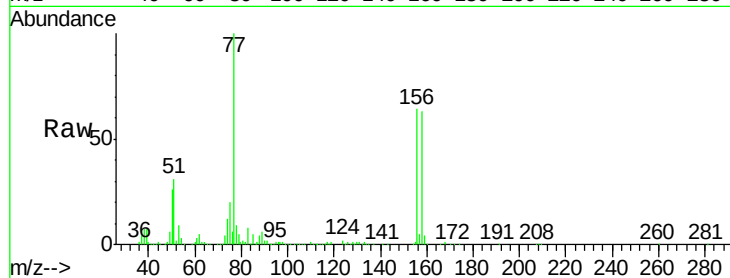
Tot Ion:156 Resp: 388005

Ion Ratio Lower Upper

156 100

77 179.3 100.8 302.4

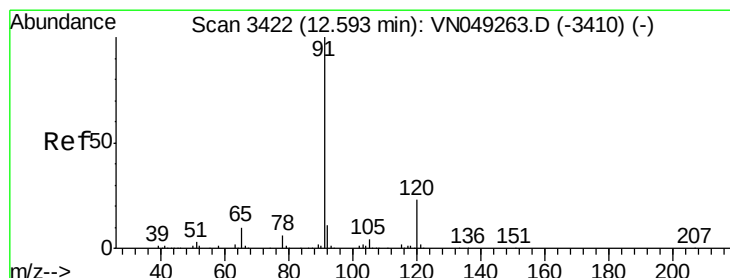
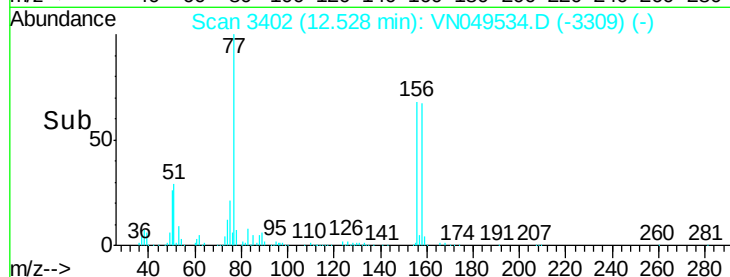
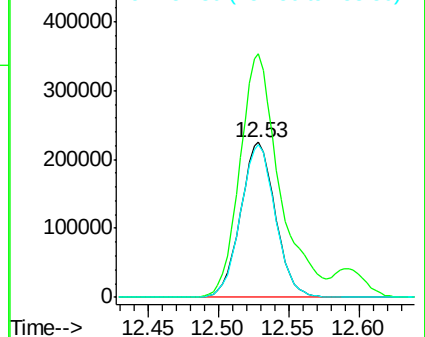
158 98.6 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.81 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049534.D

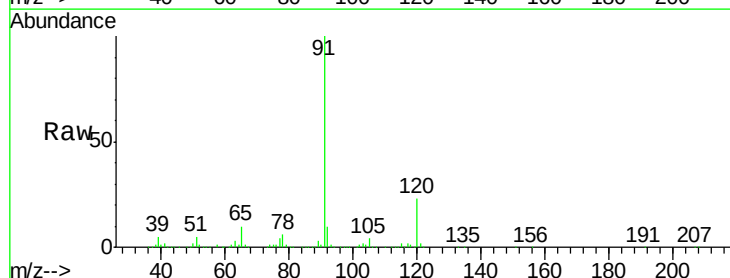
Acq: 26 Jun 2018 2:11

Tgt Ion: 91 Resp: 1678470

Ion Ratio Lower Upper

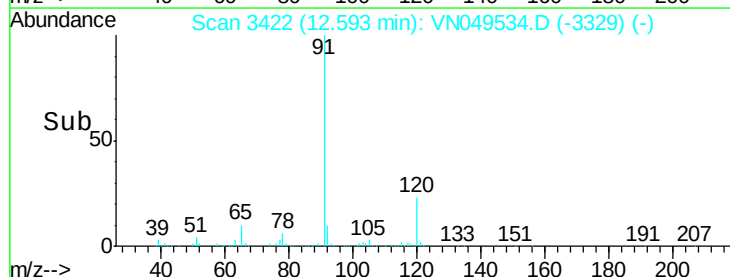
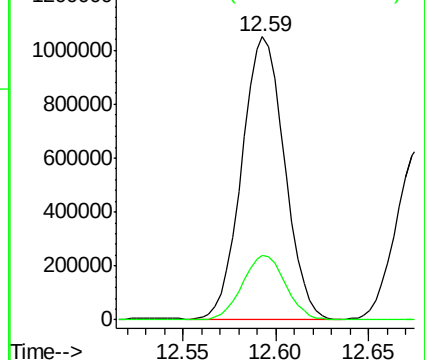
91 100

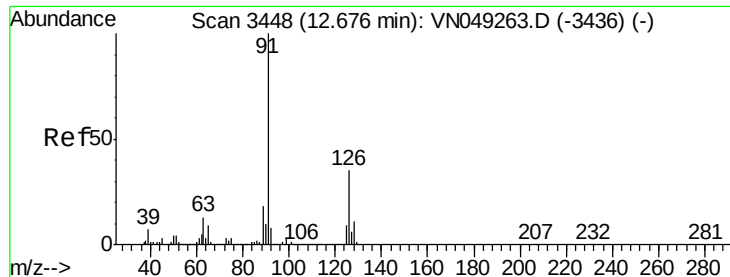
120 23.0 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.54 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

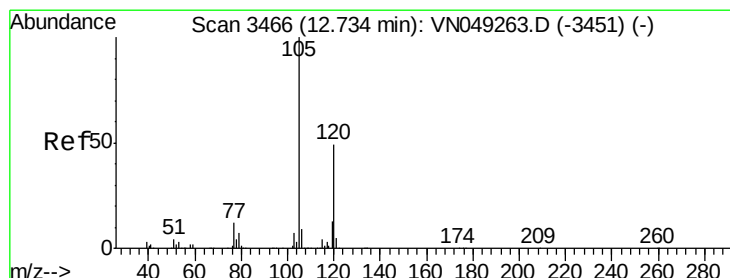
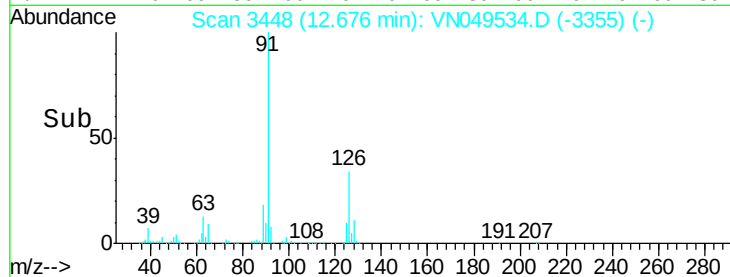
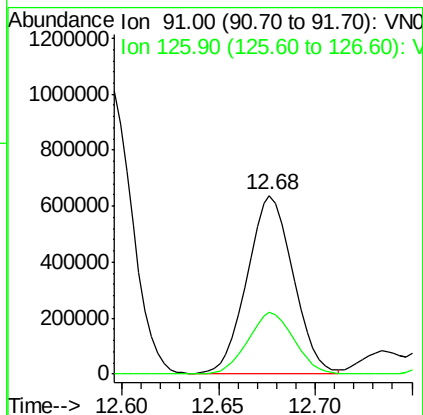
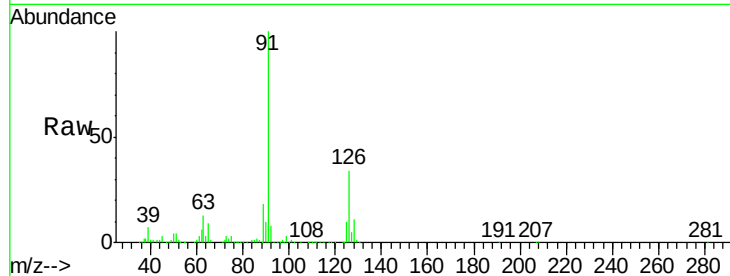
VN0625WBS03

Tot Ion: 91 Resp: 1048928

Ion Ratio Lower Upper

91 100

126 34.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 20.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049534.D

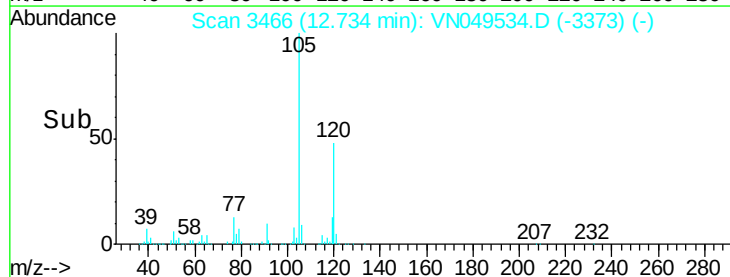
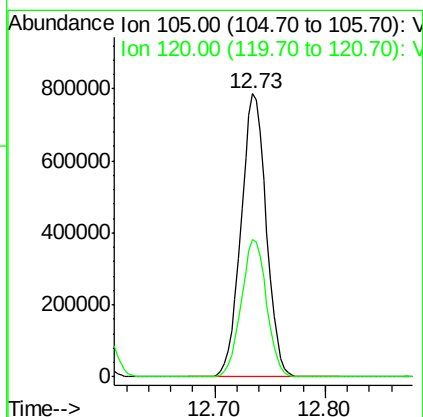
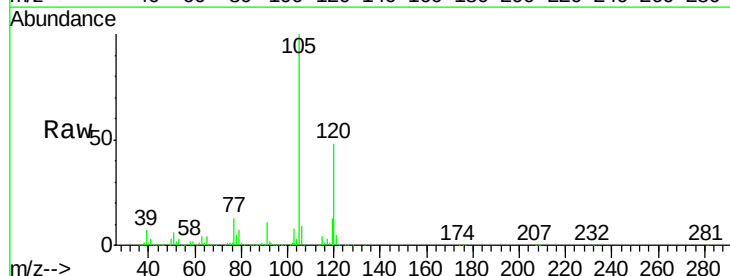
Acq: 26 Jun 2018 2:11

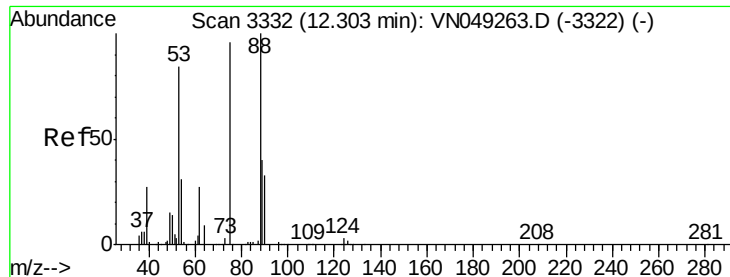
Tgt Ion: 105 Resp: 1239396

Ion Ratio Lower Upper

105 100

120 49.0 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 17.22 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS03

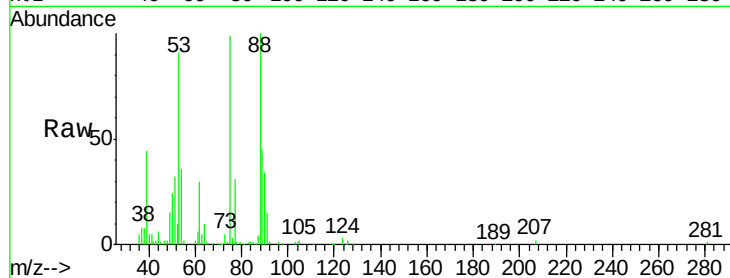
Tot Ion: 75 Resp: 81707

Ion Ratio Lower Upper

75 100

53 95.7 82.7 124.1

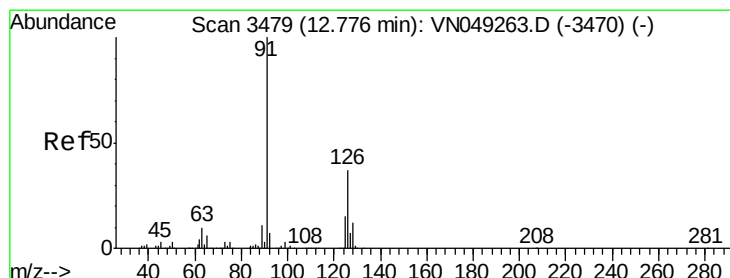
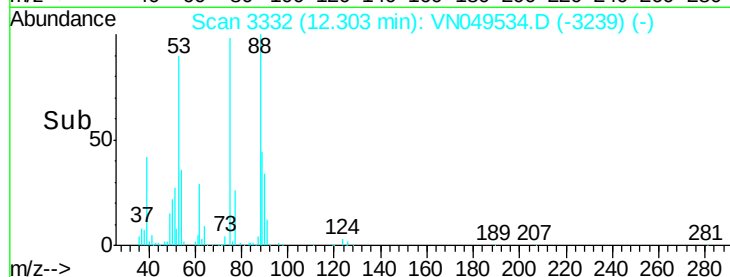
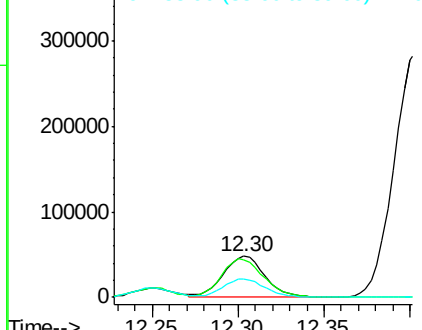
89 45.6 36.5 54.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.54 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049534.D

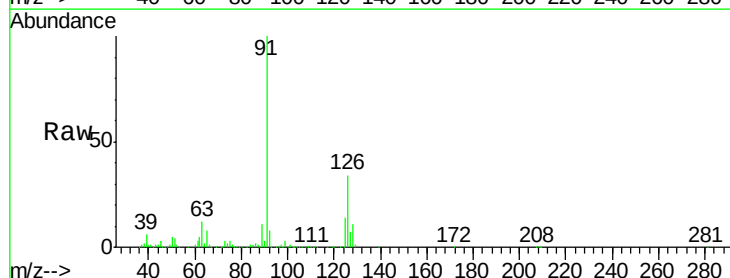
Acq: 26 Jun 2018 2:11

Tgt Ion: 91 Resp: 1011959

Ion Ratio Lower Upper

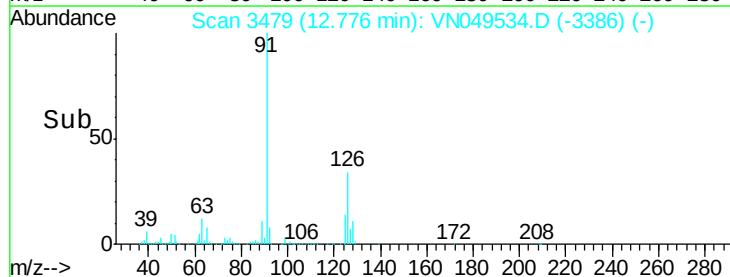
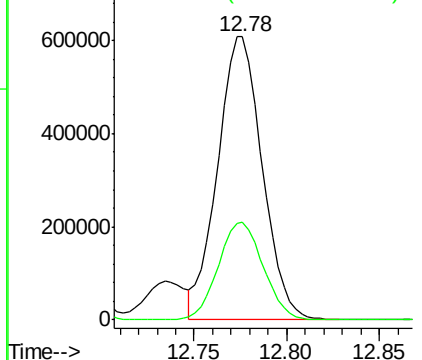
91 100

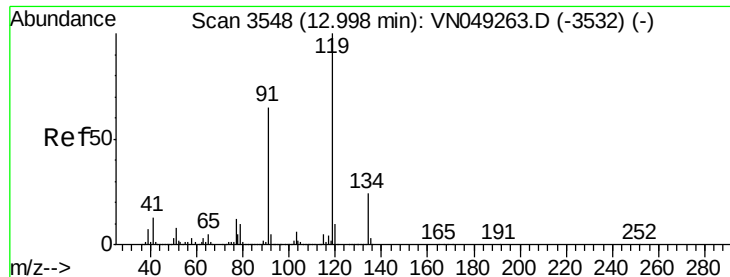
126 35.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

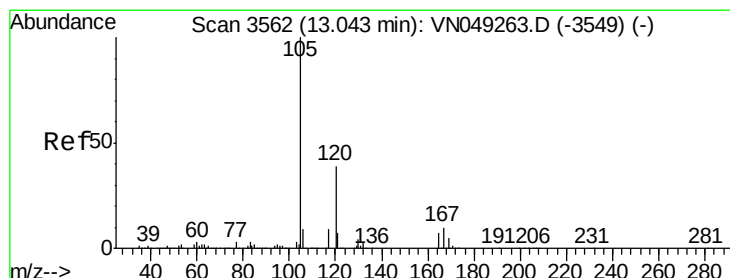
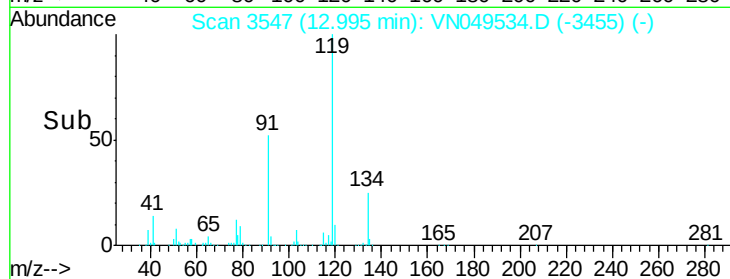
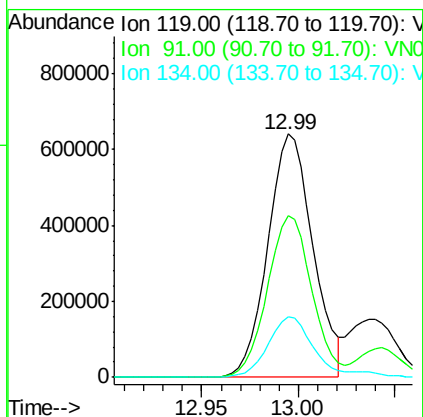
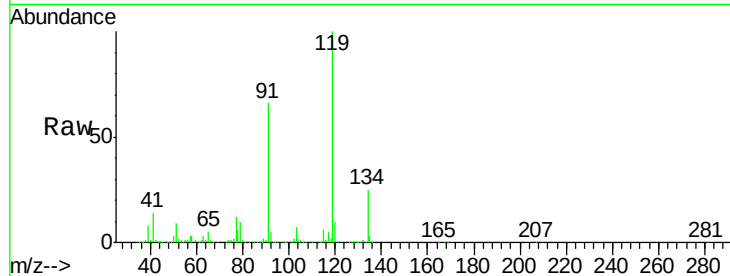




#83
 tert-Butylbenzene
 Concen: 19.41 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

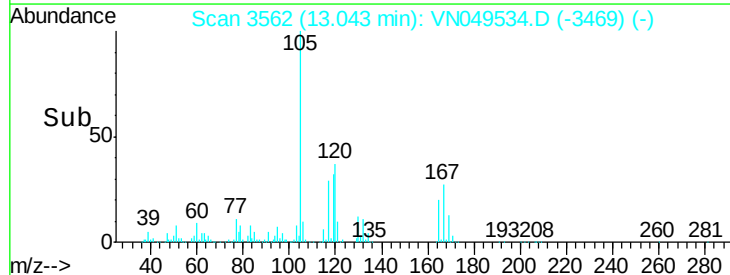
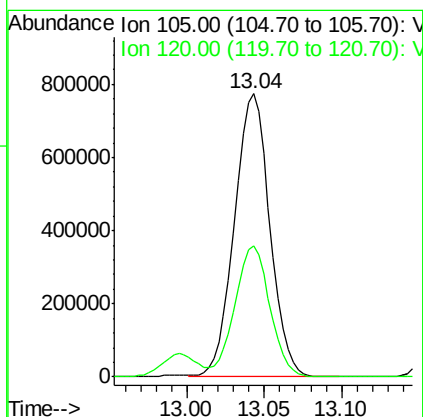
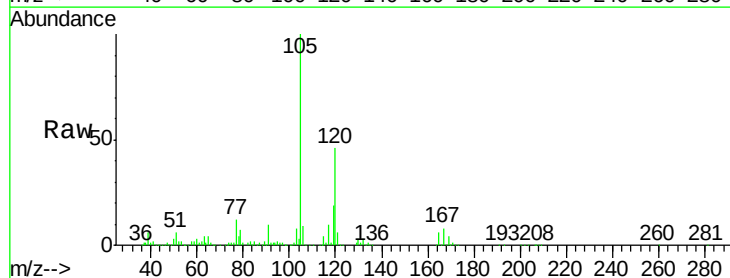
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

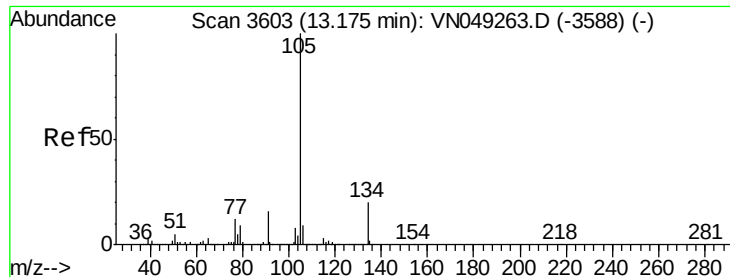
Tot Ion:119 Resp: 1042872
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.7 101.0
 134 26.1 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.35 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion:105 Resp: 1226365
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampleId :

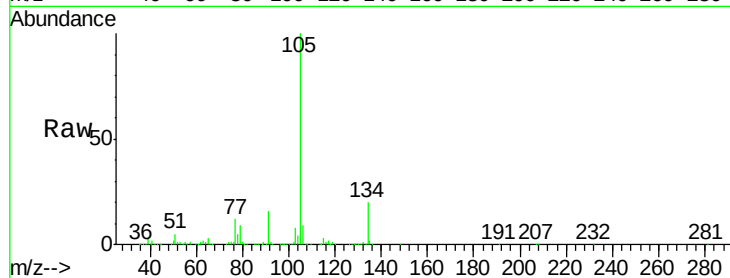
VN0625WBS03

Tot Ion:105 Resp: 1376219

Ion Ratio Lower Upper

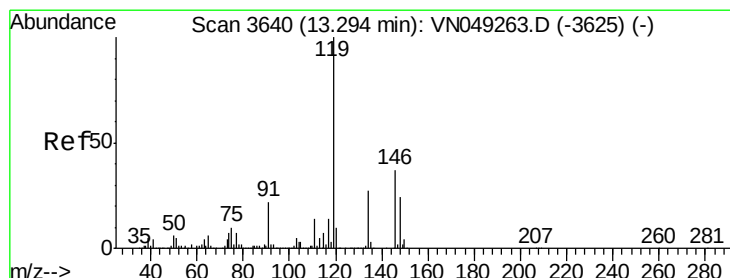
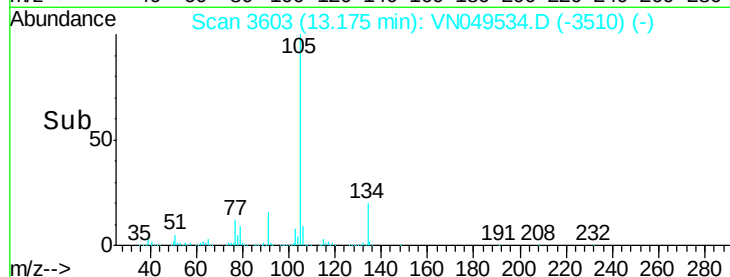
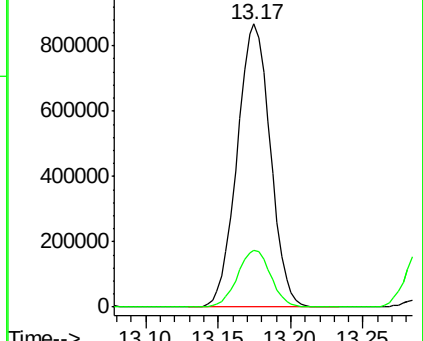
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.26 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

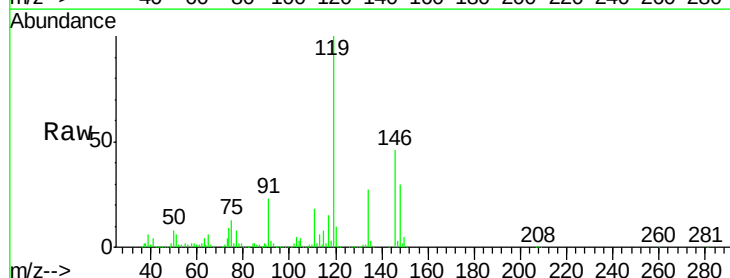
Tgt Ion:119 Resp: 1150990

Ion Ratio Lower Upper

119 100

134 27.0 12.9 38.6

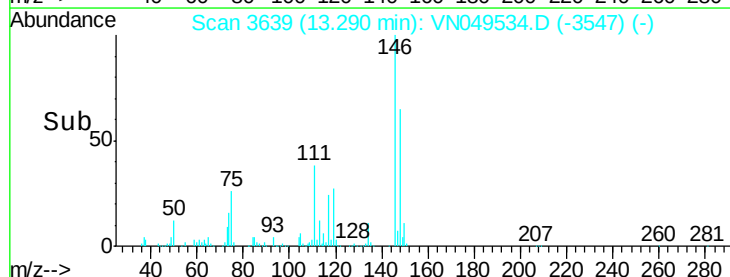
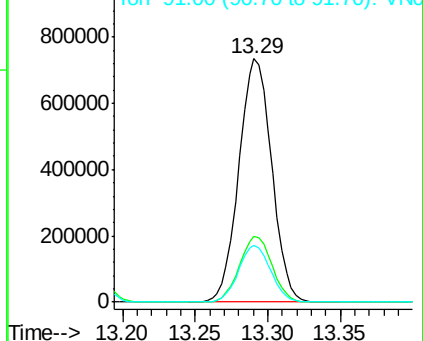
91 22.8 12.1 36.3

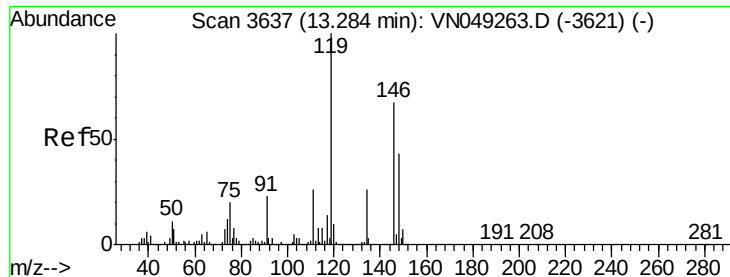


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

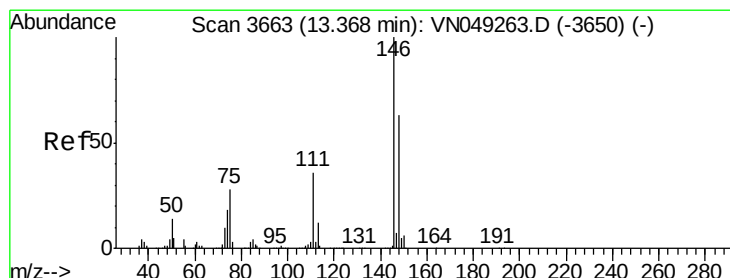
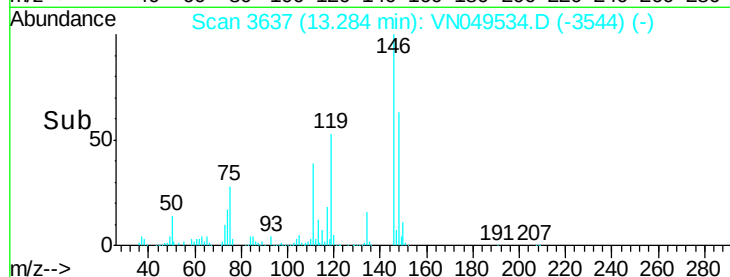
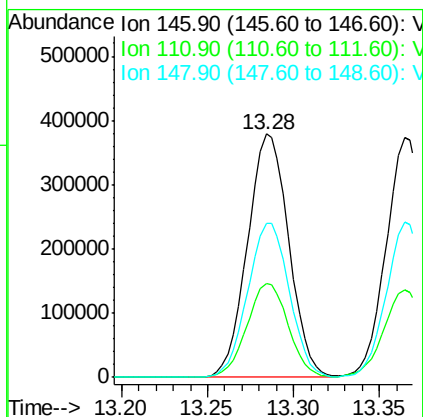
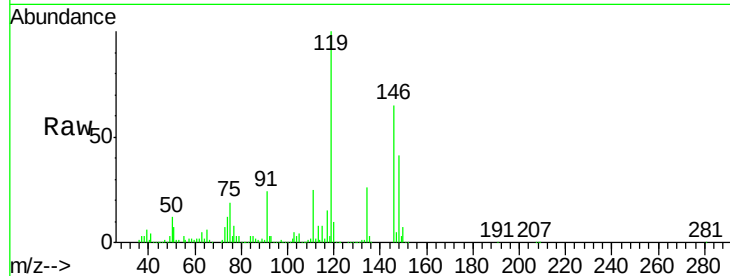




#87
 1,3-Dichlorobenzene
 Concen: 18.84 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

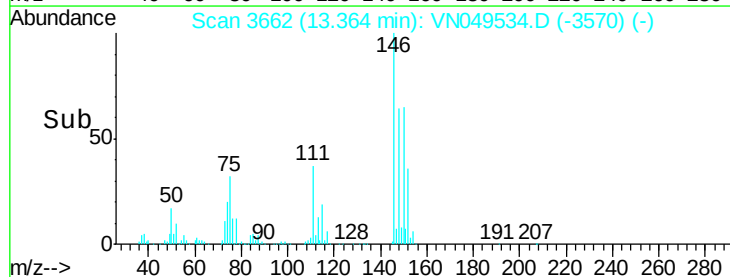
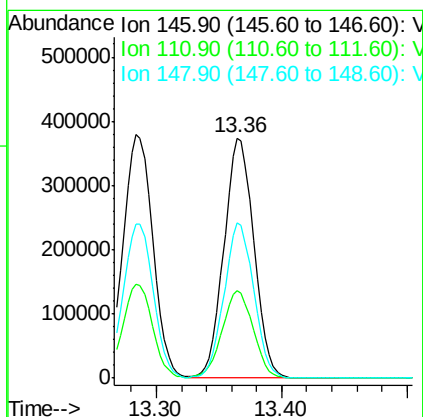
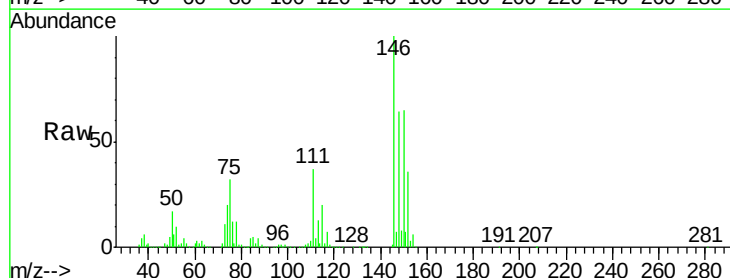
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

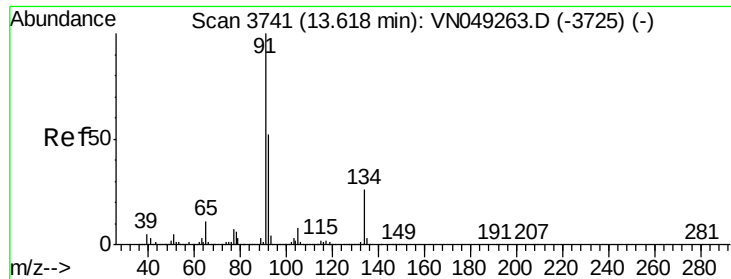
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.2	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 18.61 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	64.1	32.0	96.2

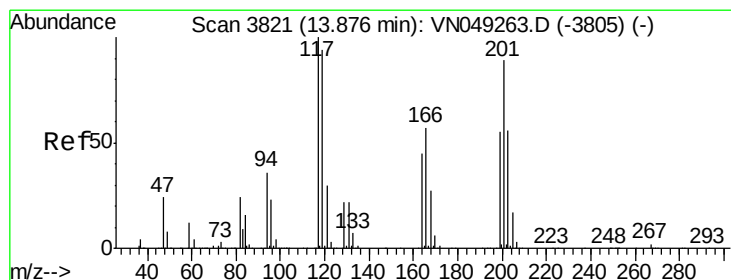
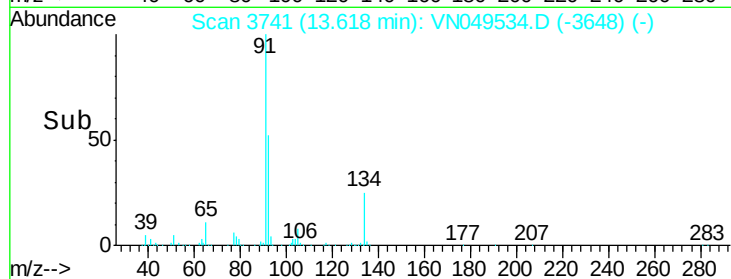
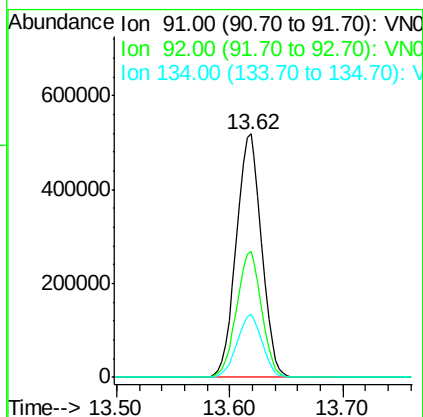
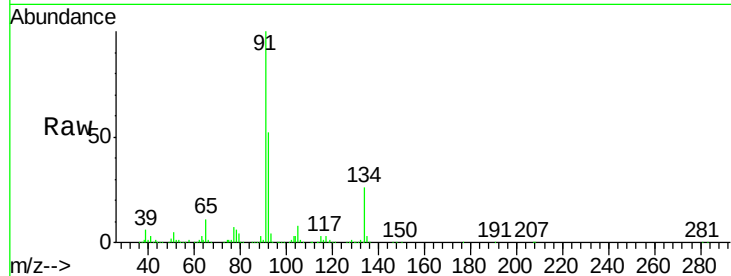




#89
n-Butylbenzene
Concen: 17.33 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

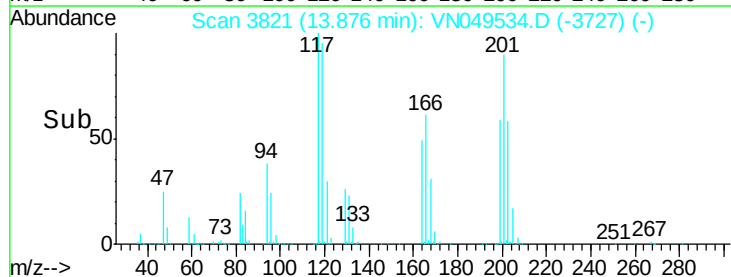
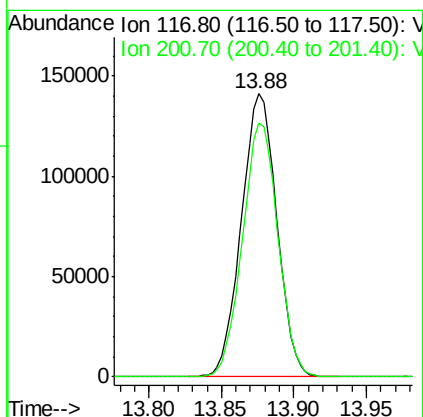
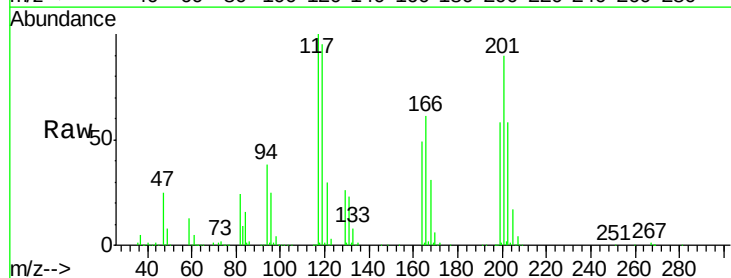
Instrument :
MSVOA_N
ClientSampled :
VN0625WBS03

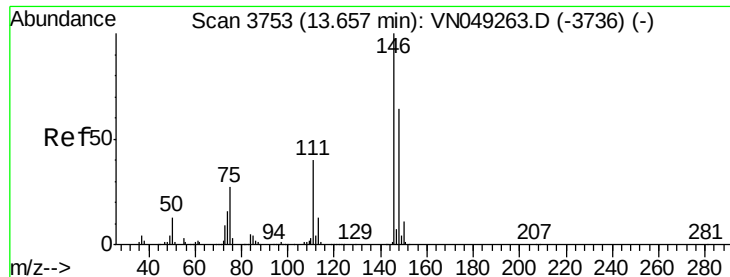
Tot Ion: 91 Resp: 808822
Ion Ratio Lower Upper
91 100
92 51.1 25.1 75.4
134 25.6 12.0 36.0



#90
Hexachloroethane
Concen: 20.26 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049534.D
Acq: 26 Jun 2018 2:11

Tgt Ion: 117 Resp: 240554
Ion Ratio Lower Upper
117 100
201 89.8 40.1 120.2

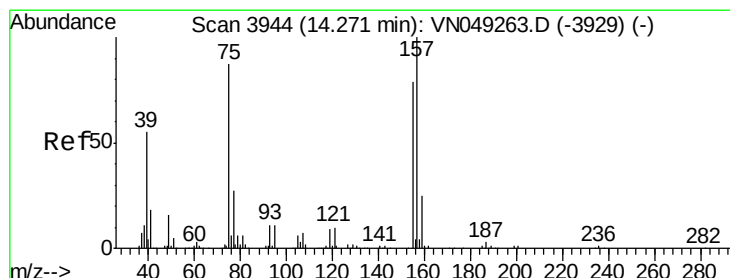
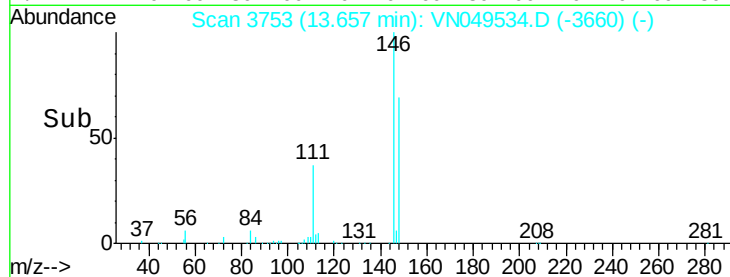
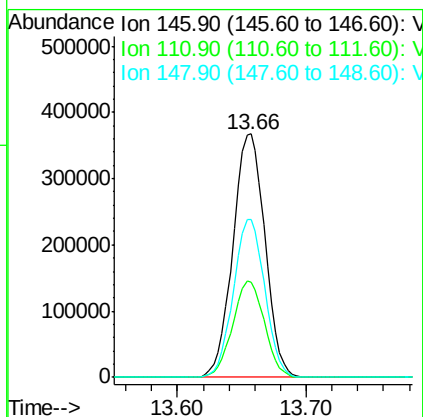
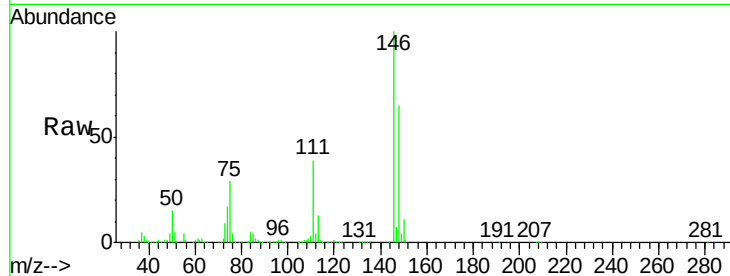




#91
 1,2-Dichlorobenzene
 Concen: 19.26 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

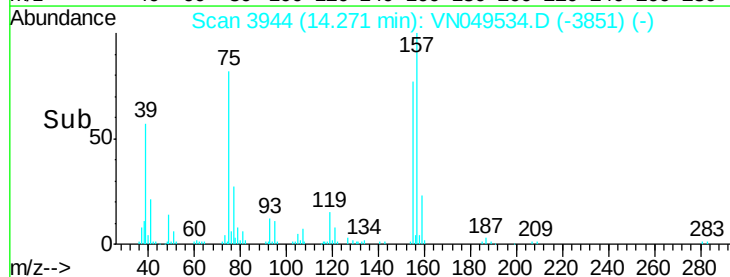
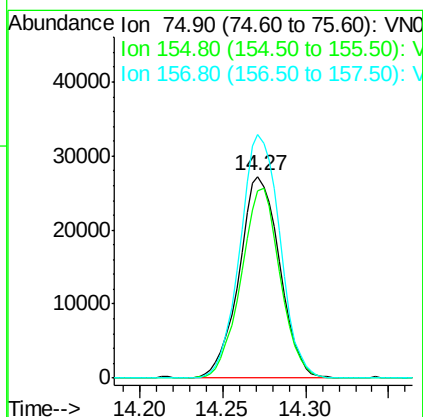
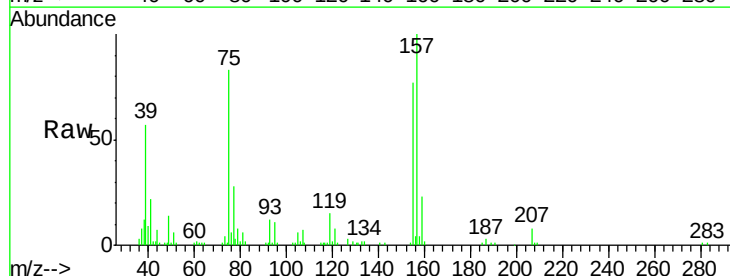
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS03

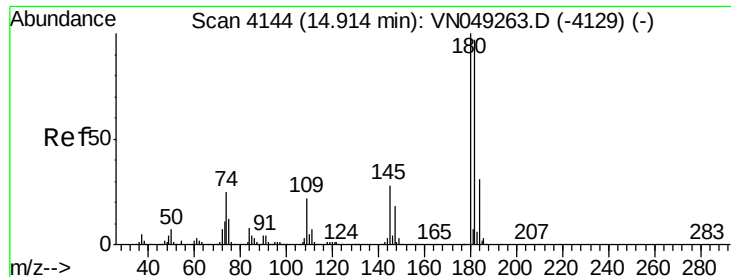
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	63.7	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.33 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.3	38.8	116.3
157	118.8	51.0	153.1

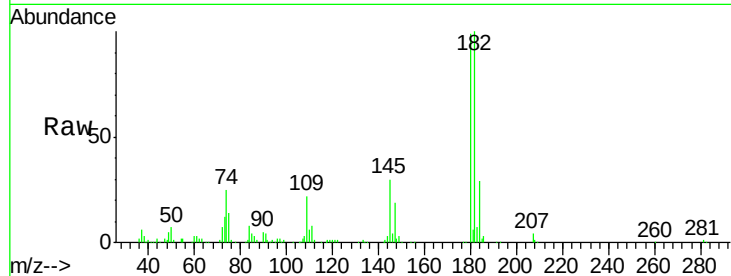




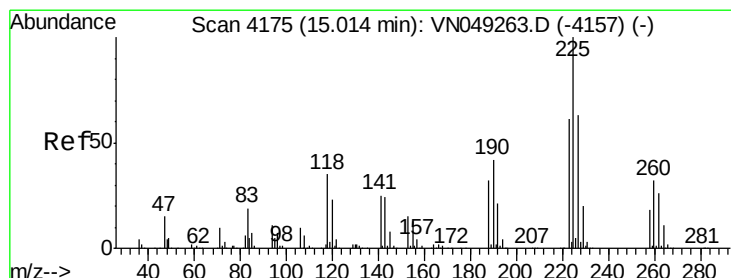
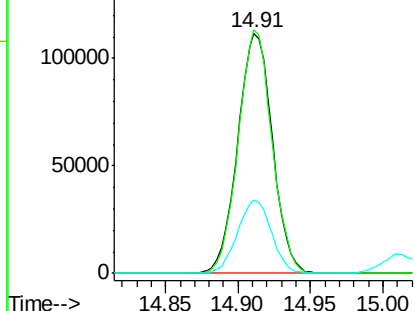
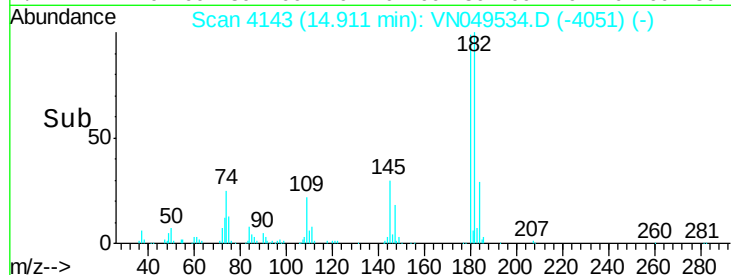
#93
 1,2,4-Trichlorobenzene
 Concen: 15.88 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Instrument :
 MSVOA_N
 ClientSampled :
 VN0625WBS03

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.5	46.9	140.8
145	29.8	14.7	44.1

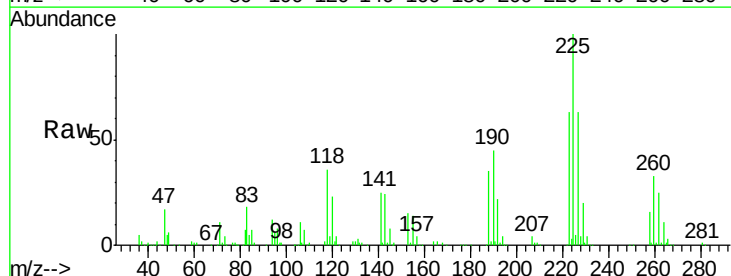


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

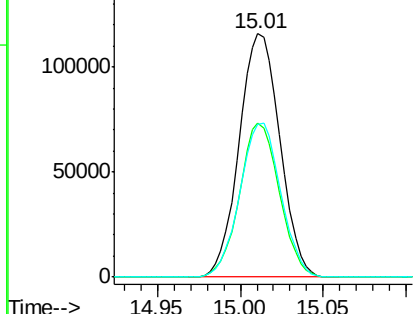
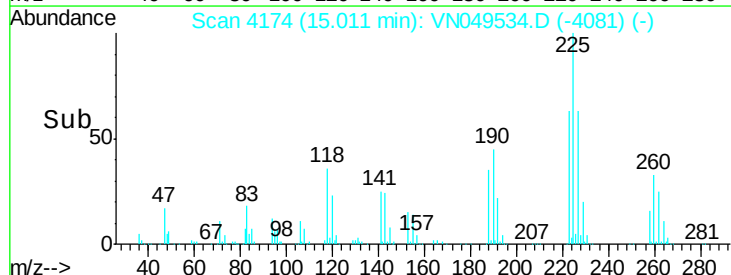


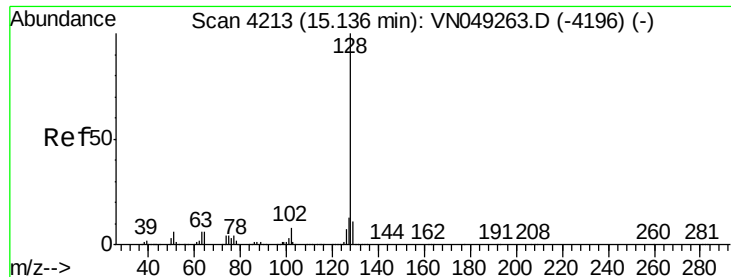
#94
 Hexachlorobutadiene
 Concen: 18.88 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049534.D
 Acq: 26 Jun 2018 2:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.9	32.1	96.3
227	63.2	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.41 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS03

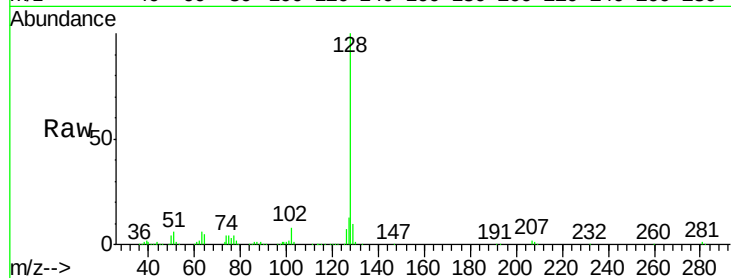
Tot Ion:128 Resp: 363968

Ion Ratio Lower Upper

128 100

127 13.3 10.6 16.0

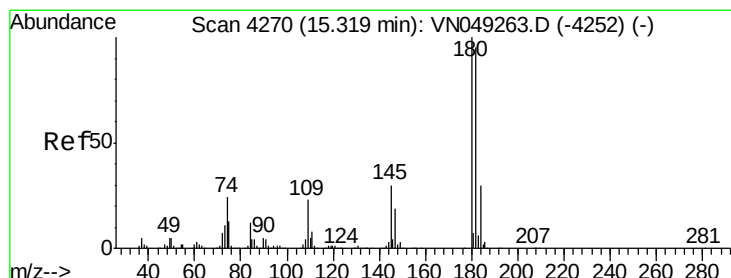
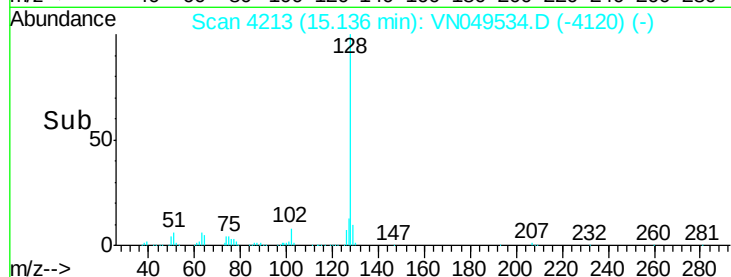
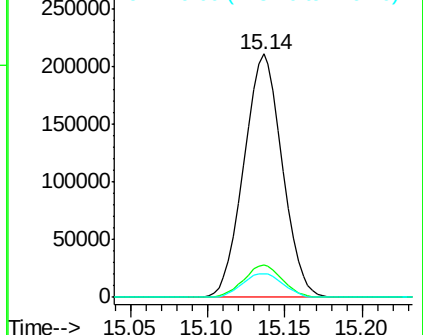
129 10.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.56 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049534.D

Acq: 26 Jun 2018 2:11

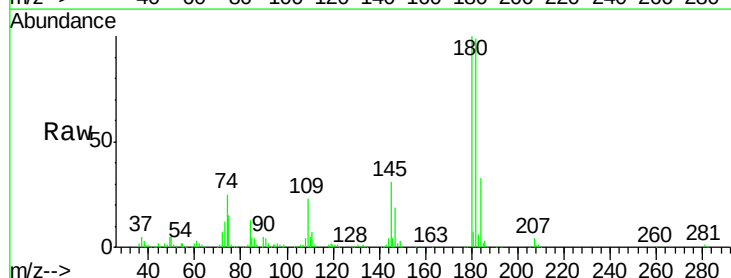
Tgt Ion:180 Resp: 207341

Ion Ratio Lower Upper

180 100

182 96.6 47.3 141.8

145 31.0 15.6 46.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

