

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050043.D
 Acq On : 25 Jul 2018 12:59
 Operator : MD\SY
 Sample : VN0725WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Quant Time: Jul 26 06:06:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	131564	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	712767	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	613813	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	275364	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	278437	29.53	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.43%
63) Toluene-d8	10.09	98	887728	30.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.93%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	195201	21.53	ug/l	98
3) Chloromethane	2.06	50	188513	20.17	ug/l	100
4) Vinyl Chloride	2.18	62	197440	19.84	ug/l	97
5) Bromomethane	2.56	94	143585	23.67	ug/l	95
6) Chloroethane	2.70	64	117169	19.91	ug/l	100
7) Trichlorofluoromethane	3.01	101	264010	20.30	ug/l	99
8) Diethyl Ether	3.41	74	86202	19.76	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161157	20.37	ug/l	99
10) 1,1-Dichloroethene	3.73	96	138201	19.70	ug/l	96
11) Methyl Iodide	3.95	142	164398	15.93	ug/l	98
12) Methyl Acetate	4.33	43	164977	20.53	ug/l	96
13) Acrolein	3.61	56	40708	81.98	ug/l	99
14) Acrylonitrile	5.00	53	267313	99.70	ug/l	98
15) Acetone	3.82	58	71154	99.86	ug/l	98
16) Carbon Disulfide	4.05	76	413488	19.26	ug/l	100
17) Allyl chloride	4.32	41	217463	19.63	ug/l	99
18) Methylene Chloride	4.55	84	159811	19.74	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	150979	20.10	ug/l	94
20) Diisopropyl ether	5.96	45	459878	20.25	ug/l	99
21) 1,1-Dichloroethane	5.85	63	285850	20.01	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	165096	19.82	ug/l	99
23) tert-Butyl Alcohol	4.81	59	62674	104.51	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	392274	20.51	ug/l	100
25) Chloroform	7.37	83	290423	20.09	ug/l	99
26) Cyclohexane	7.65	56	228513	20.13	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	212090	19.17	ug/l	100
30) 2-Butanone	6.84	43	329295	94.87	ug/l	98
31) 2,2-Dichloropropane	6.83	77	231853	18.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	247625	19.02	ug/l	99
33) Carbon Tetrachloride	7.78	117	218349	18.81	ug/l	98
34) Benzene	8.04	78	638399	19.00	ug/l	99
35) Methacrylonitrile	7.18	41	71625	18.12	ug/l	97
36) 1,2-Dichloroethane	8.13	62	210928	19.12	ug/l	99
37) Trichloroethene	8.84	130	169419	19.23	ug/l	98
38) Methylcyclohexane	9.08	83	223636	19.18	ug/l	98
39) 1,2-Dichloropropane	9.12	63	169384	19.14	ug/l	100
40) Dibromomethane	9.21	93	103469	18.92	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	213512	18.51	ug/l	98
42) Vinyl Acetate	5.90	43	1547803	94.76	ug/l	99
43) Ethyl Acetate	6.93	43	138276	19.08	ug/l #	92
44) Isopropyl Acetate	8.17	43	270611	20.15	ug/l	95
45) 1,4-Dioxane	9.20	88	35519	402.00	ug/l	99
46) Methyl methacrylate	9.20	41	117799	18.10	ug/l	96
47) n-amyl Acetate	12.07	43	186342	17.84	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	205517	17.97	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	242876	18.80	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	147654	18.81	ug/l	98
51) Ethyl methacrylate	10.43	69	175983	18.47	ug/l	99
52) 1,3-Dichloropropane	10.71	76	241373	18.72	ug/l	100
53) Dibromochloromethane	10.90	129	163558	18.36	ug/l	99
54) 1,2-Dibromoethane	11.01	107	144879	18.84	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	396362	91.91	ug/l	99
56) Bromoform	12.13	173	112344	17.86	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	713252	99.86	ug/l	99
59) 2-Hexanone	10.75	43	474570	97.40	ug/l	100
61) Tetrachloroethene	10.63	164	162393	19.53	ug/l	97
62) Toluene	10.16	91	687806	19.64	ug/l	99
64) Chlorobenzene	11.44	112	413596	19.48	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	158655	19.15	ug/l	99
66) Ethyl Benzene	11.51	91	692070	19.34	ug/l	100
67) m/p-Xylenes	11.62	106	542915	39.42	ug/l	99
68) o-Xylene	11.95	106	250379	19.11	ug/l	97
69) Styrene	11.97	104	400789	19.08	ug/l	100
70) Isopropylbenzene	12.25	105	684734	19.62	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	184249	19.23	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	226721	28.69	ug/l	48
73) Bromobenzene	12.53	156	175015	18.83	ug/l	98
74) n-propylbenzene	12.59	91	785579	19.33	ug/l	99
75) 2-Chlorotoluene	12.68	91	475996	19.50	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	564489	19.69	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	48310	18.06	ug/l	93
78) 4-Chlorotoluene	12.78	91	468940	19.38	ug/l	99
79) tert-butylbenzene	13.00	119	479463	19.56	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	574214	19.77	ug/l	99
81) sec-Butylbenzene	13.17	105	651588	19.57	ug/l	99
82) p-Isopropyltoluene	13.29	119	552992	19.47	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	305581	18.88	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	303125	19.82	ug/l	98
85) n-Butylbenzene	13.62	91	424323	18.41	ug/l	99
86) Hexachloroethane	13.88	117	108944	19.19	ug/l	96
87) 1,2-Dichlorobenzene	13.66	146	310961	19.65	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	29590	19.82	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	155216	20.54	ug/l	98
90) Hexachlorobutadiene	15.01	225	93685	18.80	ug/l	98
91) Naphthalene	15.14	128	343532	22.14	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	142662	18.56	ug/l	99

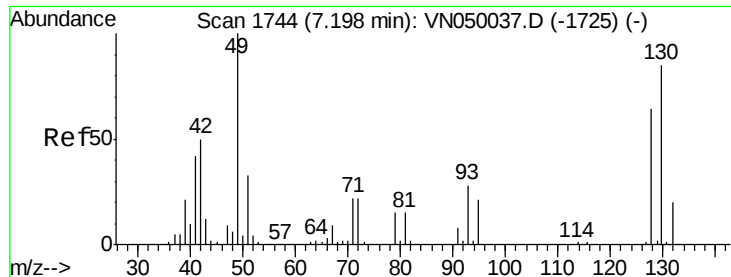
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
Data File : VN050043.D
Acq On : 25 Jul 2018 12:59
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Sample : VN0725WBS01
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Instrument :
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Quant Time: Jul 26 06:06:45 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 25 10:32:46 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

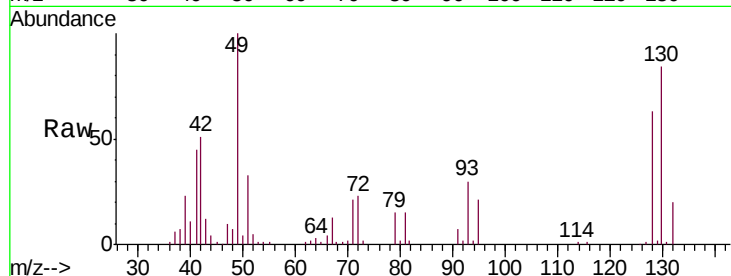
Tot Ion:128 Resp: 131564

Ion Ratio Lower Upper

128 100

49 155.6 0.0 378.3

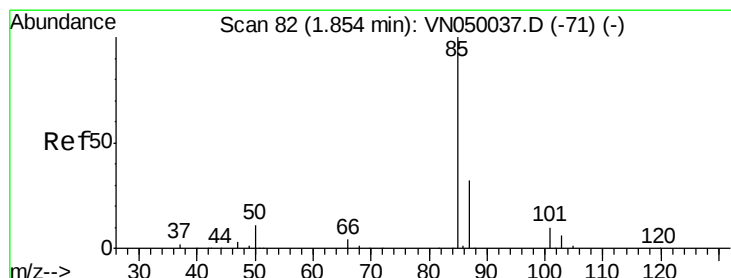
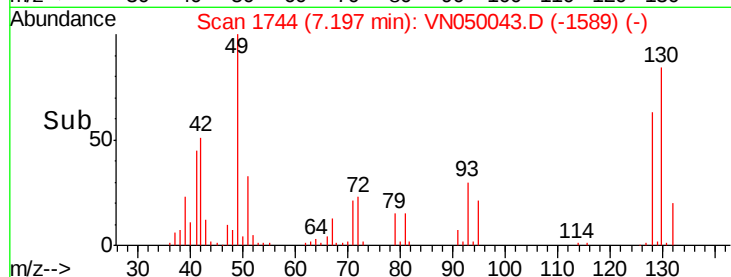
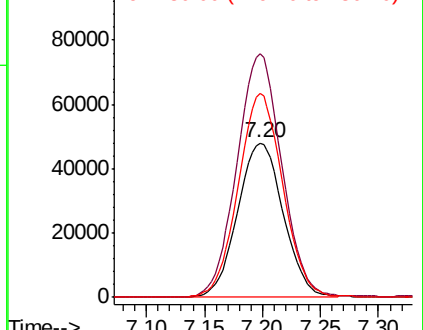
130 129.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.53 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050043.D

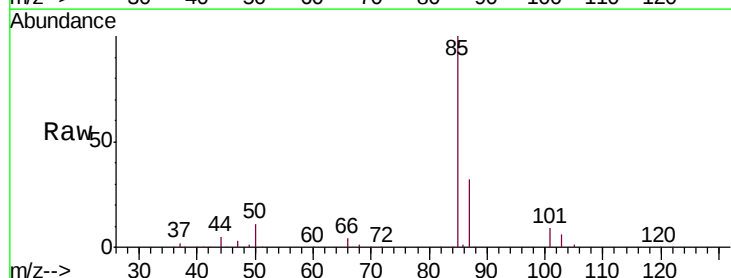
Acq: 25 Jul 2018 12:59

Tgt Ion: 85 Resp: 195201

Ion Ratio Lower Upper

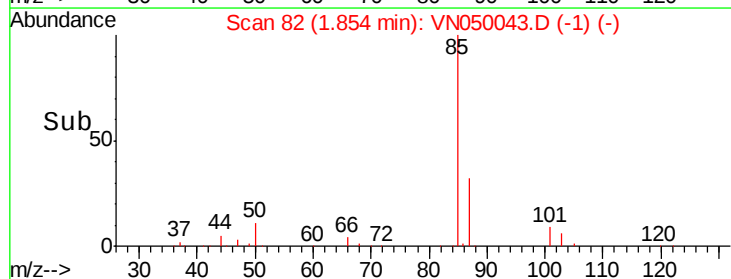
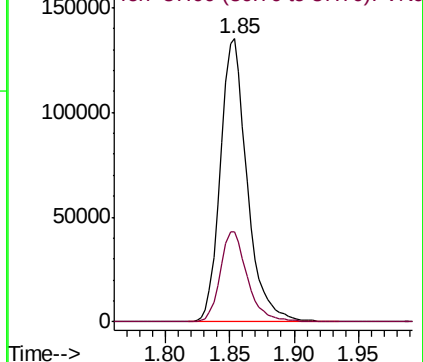
85 100

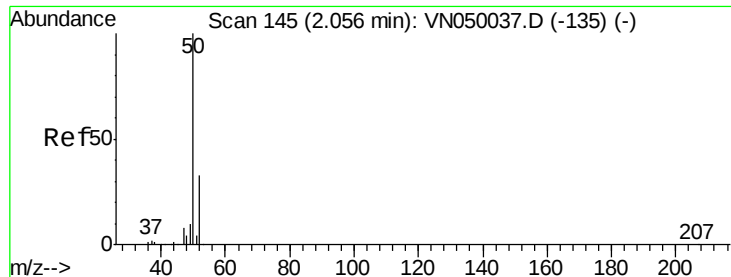
87 31.8 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.17 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

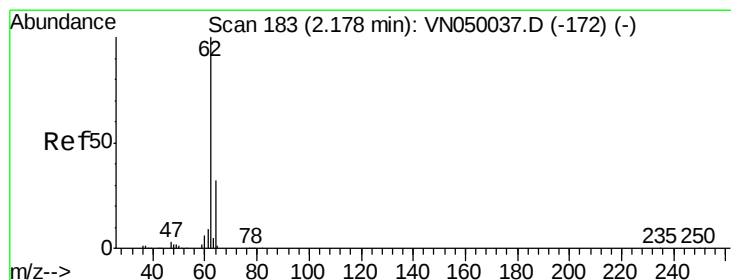
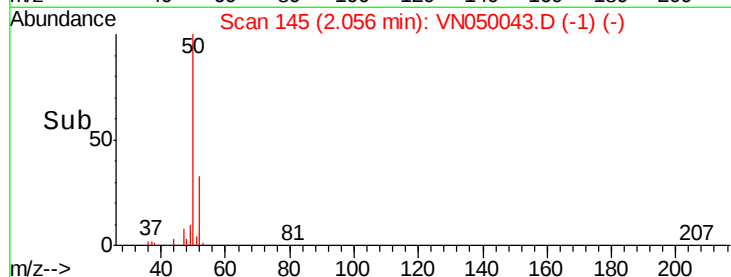
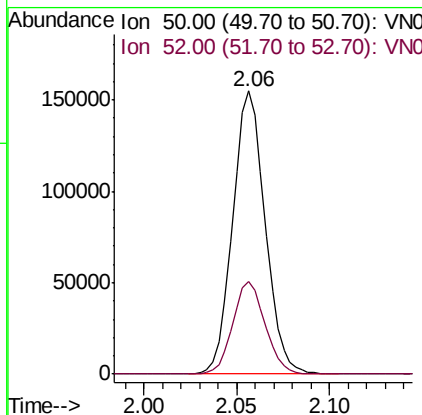
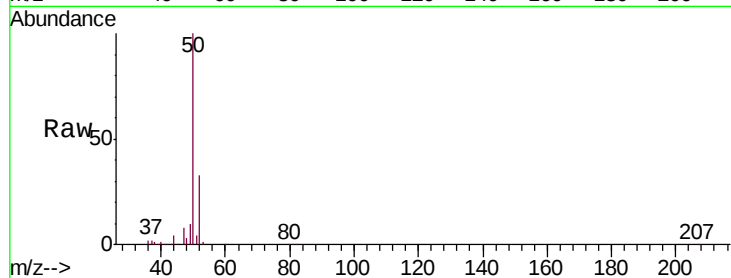
VN0725WBS01

Tot Ion: 50 Resp: 188513

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 19.84 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050043.D

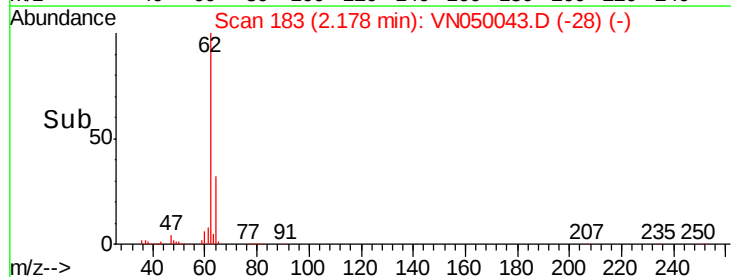
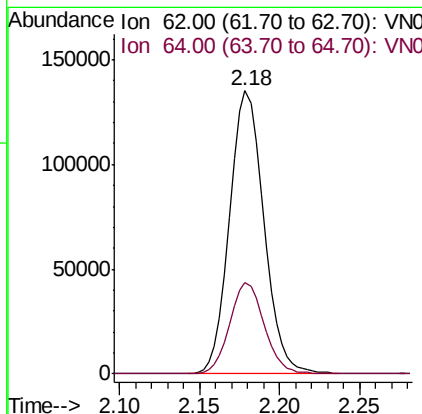
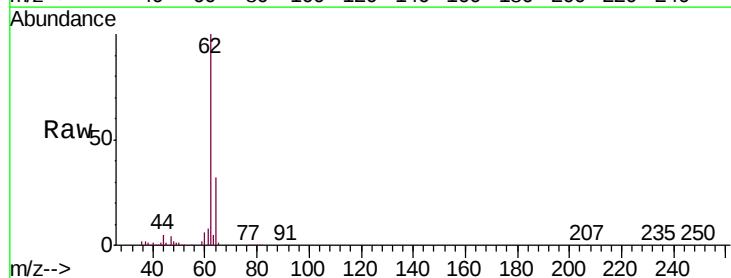
Acq: 25 Jul 2018 12:59

Tgt Ion: 62 Resp: 197440

Ion Ratio Lower Upper

62 100

64 32.0 24.4 36.6





#5

Bromomethane

Concen: 23.67 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

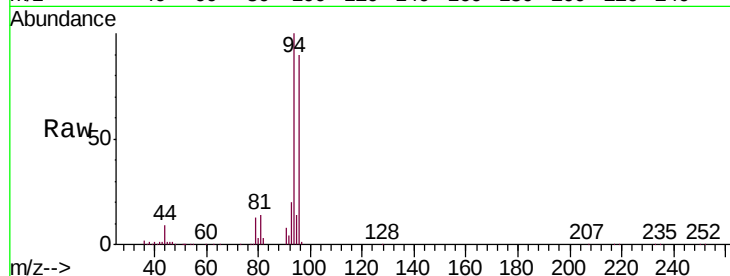
VN0725WBS01

Tot Ion: 94 Resp: 143585

Ion Ratio Lower Upper

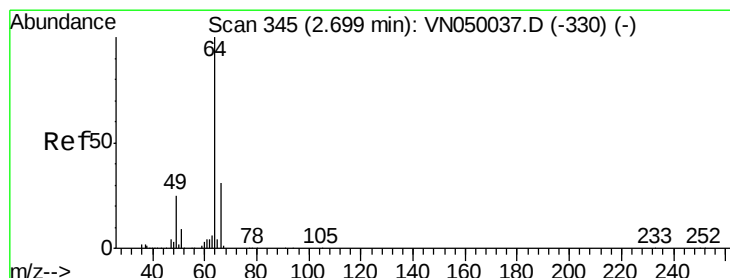
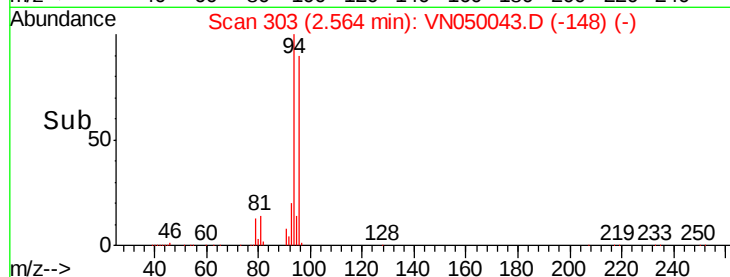
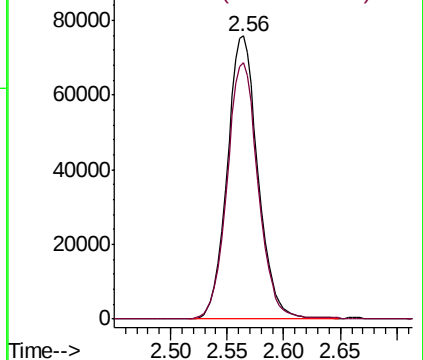
94 100

96 90.5 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.91 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050043.D

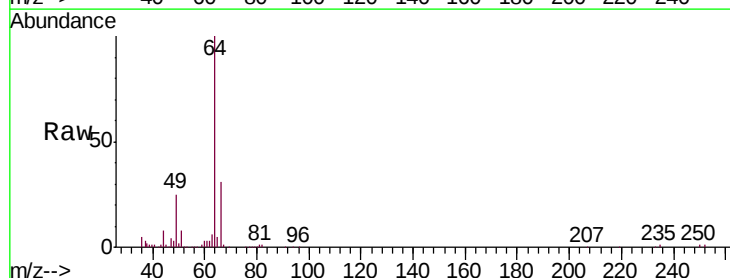
Acq: 25 Jul 2018 12:59

Tgt Ion: 64 Resp: 117169

Ion Ratio Lower Upper

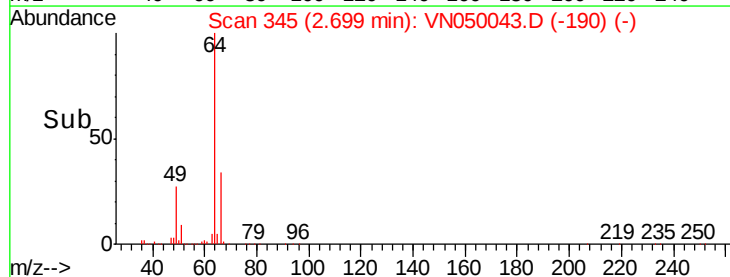
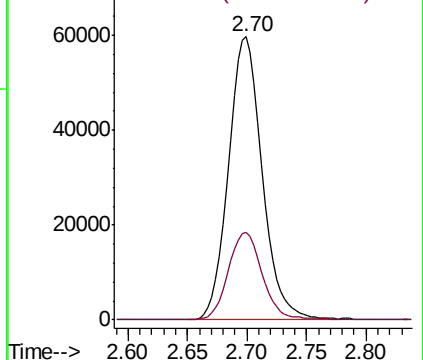
64 100

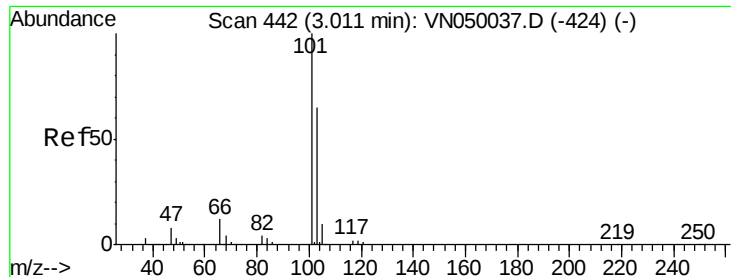
66 31.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



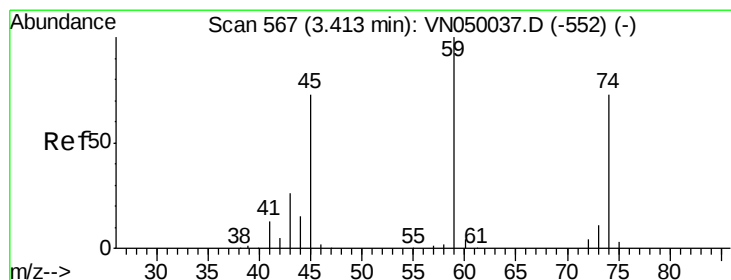
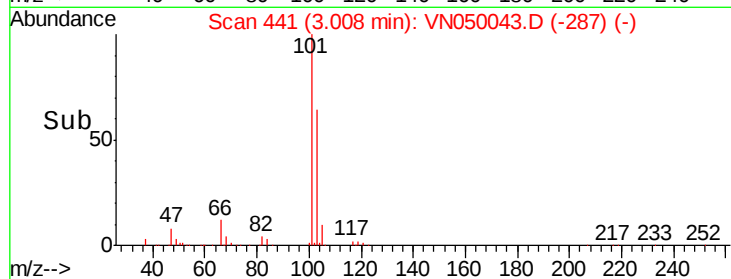
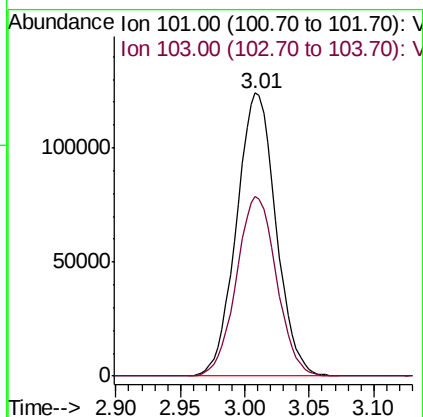
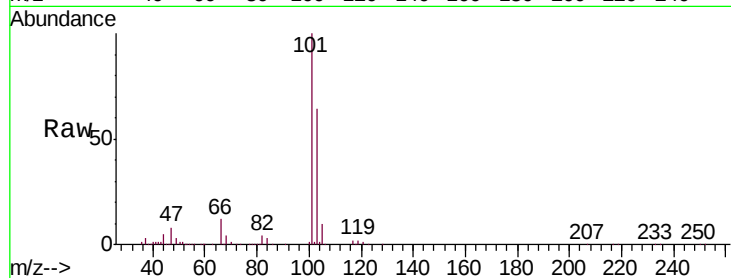


#7

Trichlorofluoromethane
 Concen: 20.30 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0725WBS01

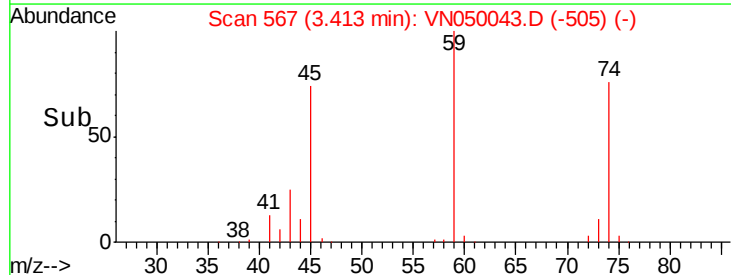
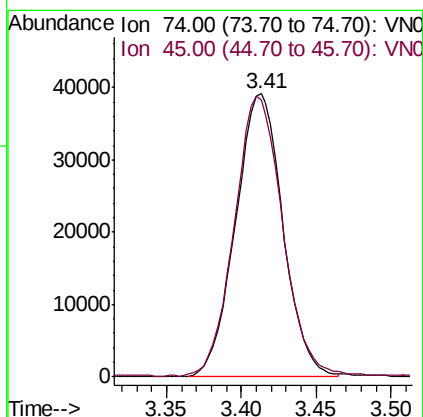
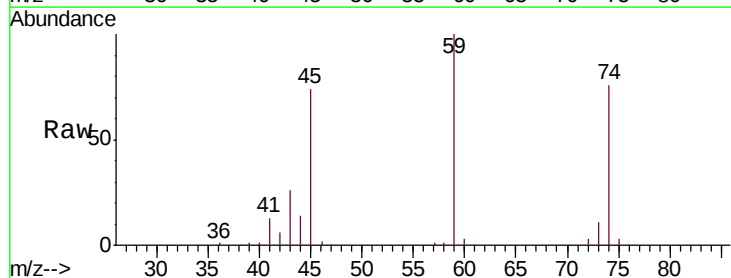
Tot Ion:101 Resp: 264010
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.5 77.3

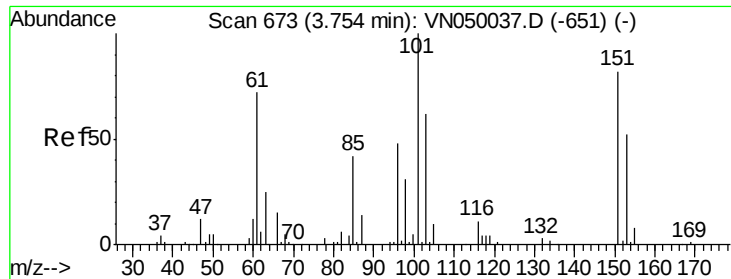


#8

Diethyl Ether
 Concen: 19.76 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 74 Resp: 86202
 Ion Ratio Lower Upper
 74 100
 45 101.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.37 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

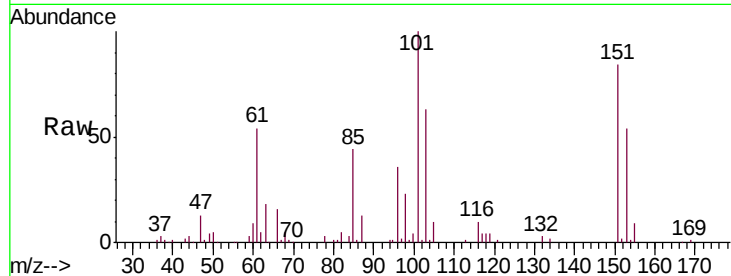
Tot Ion:101 Resp: 161157

Ion Ratio Lower Upper

101 100

85 42.5 0.0 83.0

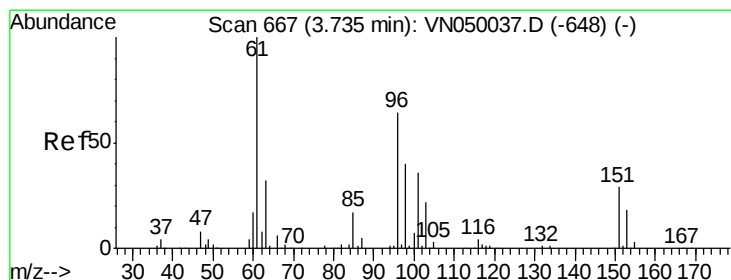
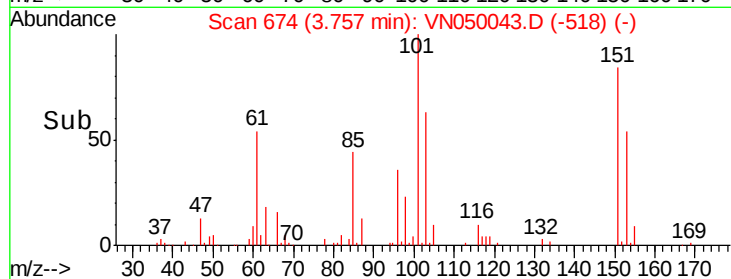
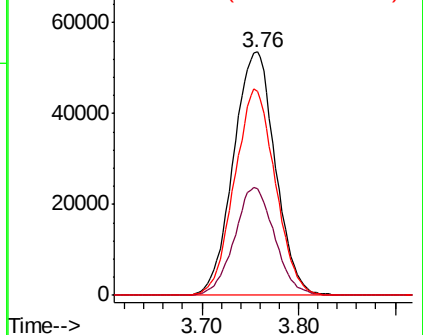
151 82.5 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.70 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

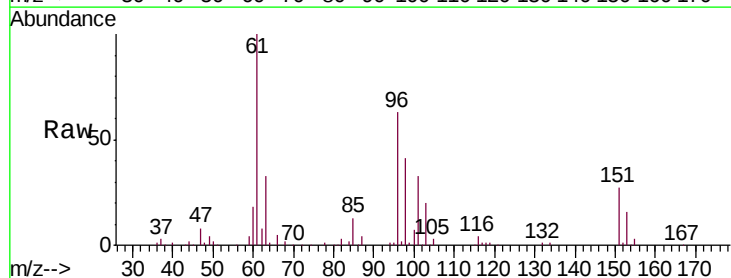
Tgt Ion: 96 Resp: 138201

Ion Ratio Lower Upper

96 100

61 157.7 130.6 195.8

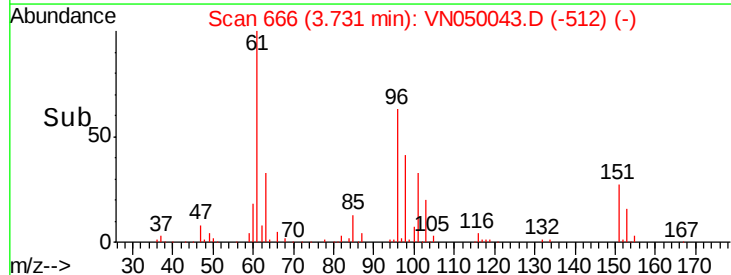
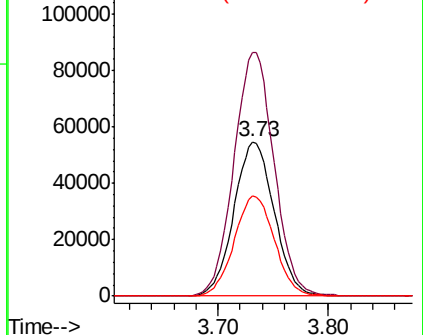
98 64.7 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

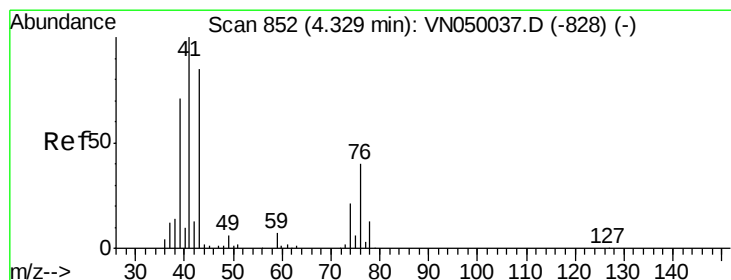
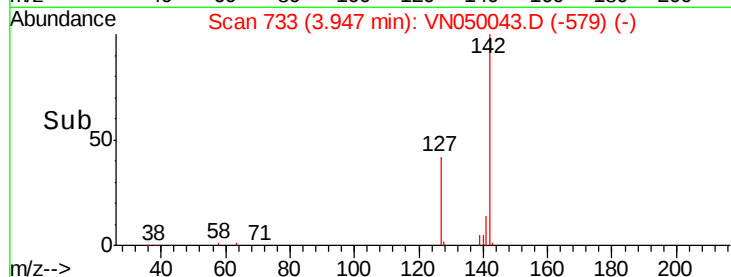
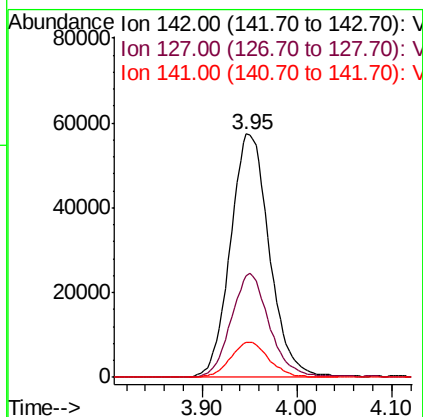
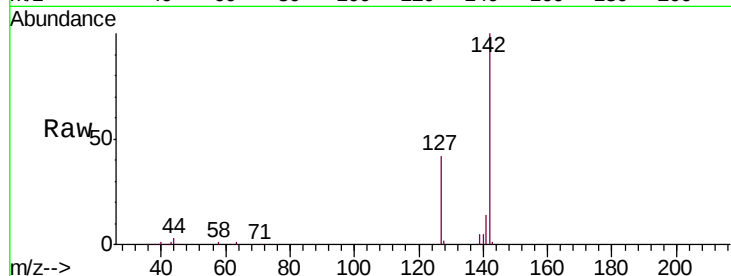




#11
Methyl Iodide
Concen: 15.93 ug/l
RT: 3.95 min Scan# 733
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

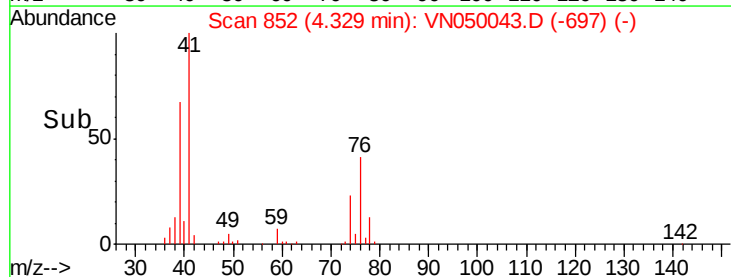
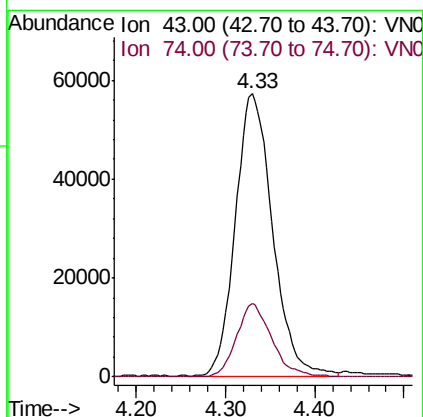
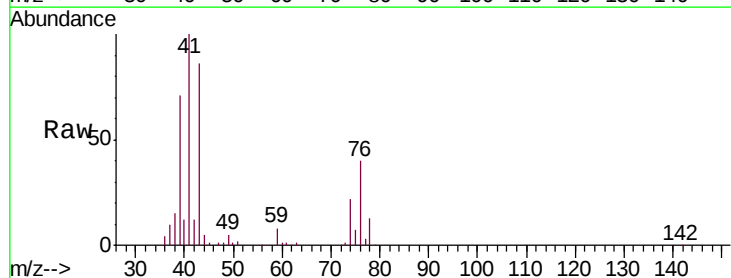
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

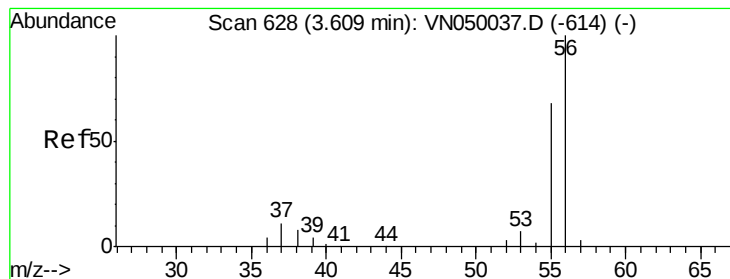
Tot Ion:142 Resp: 164398
Ion Ratio Lower Upper
142 100
127 41.7 20.2 60.5
141 14.4 6.9 20.6



#12
Methyl Acetate
Concen: 20.53 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 43 Resp: 164977
Ion Ratio Lower Upper
43 100
74 26.0 19.3 28.9





#13

Acrolein

Concen: 81.98 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

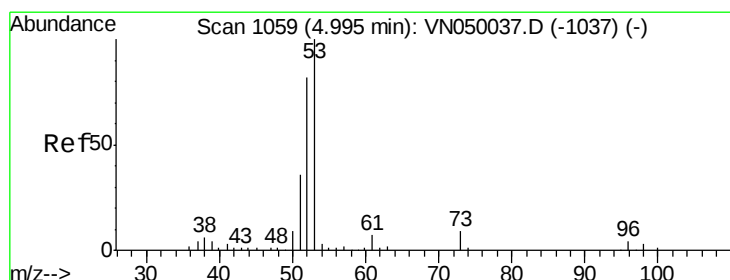
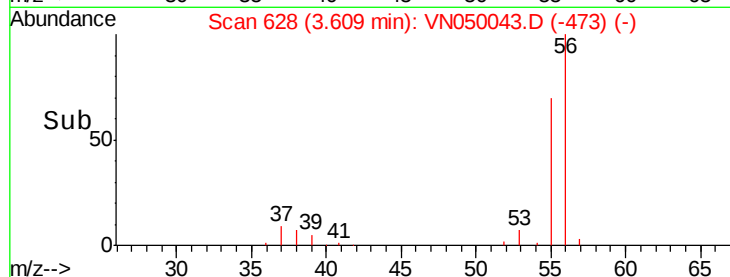
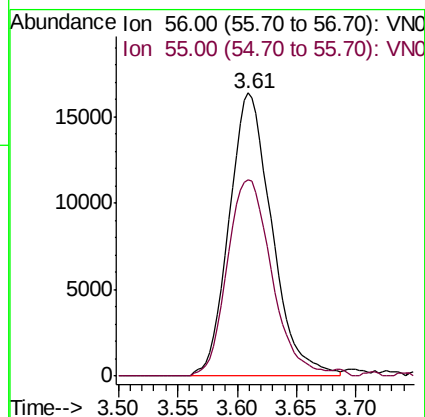
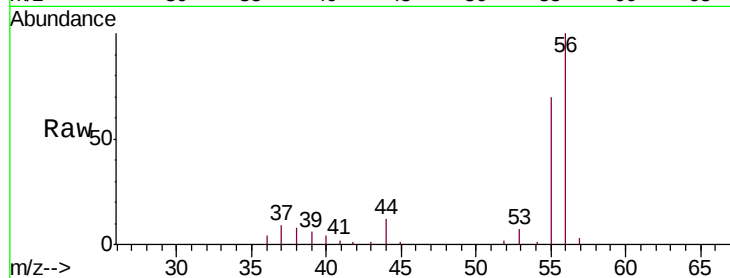
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion: 56 Resp: 40708

Ion Ratio Lower Upper

56 100

55 72.4 58.6 88.0



#14

Acrylonitrile

Concen: 99.70 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

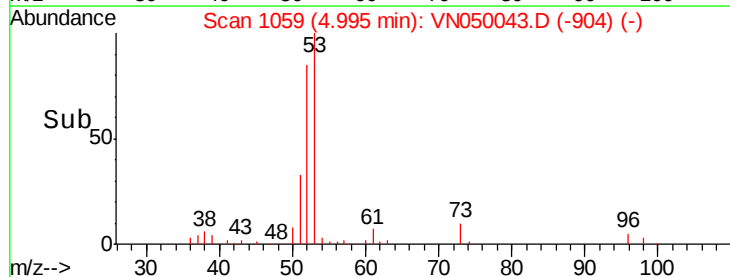
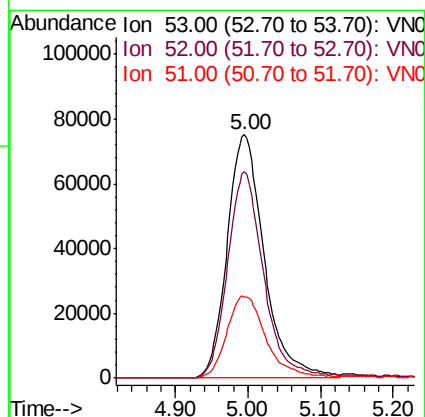
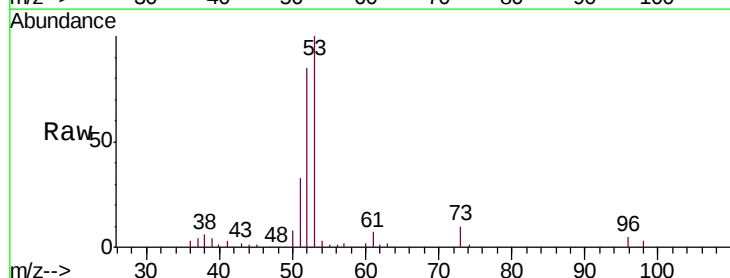
Tgt Ion: 53 Resp: 267313

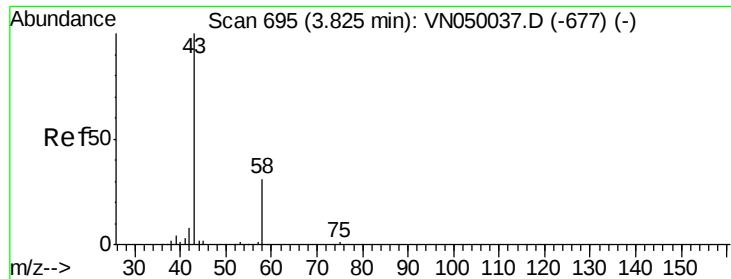
Ion Ratio Lower Upper

53 100

52 82.0 41.5 124.5

51 35.5 18.7 56.1





#15

Acetone

Concen: 99.86 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

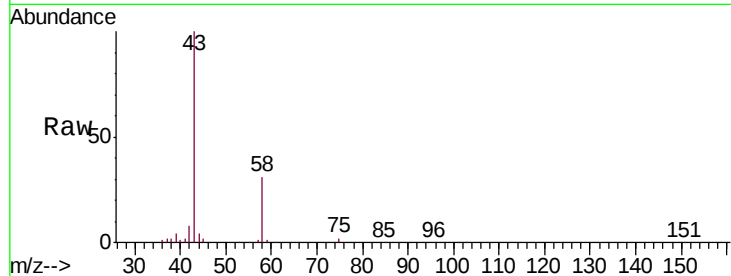
VN0725WBS01

Tot Ion: 58 Resp: 71154

Ion Ratio Lower Upper

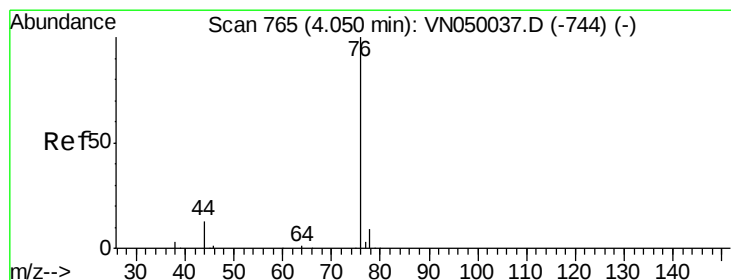
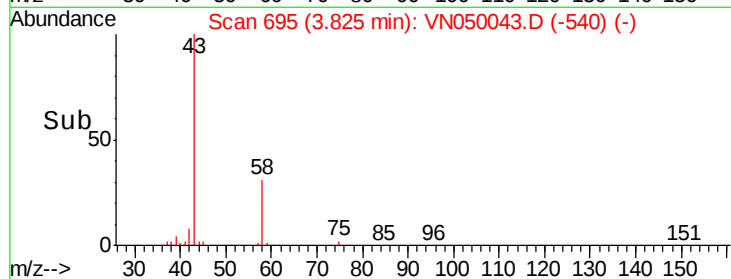
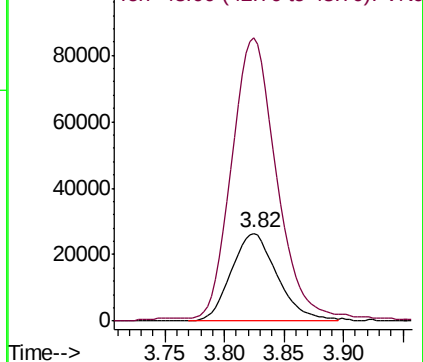
58 100

43 318.2 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN050037.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050037.D (-677) (-)



#16

Carbon Disulfide

Concen: 19.26 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050043.D

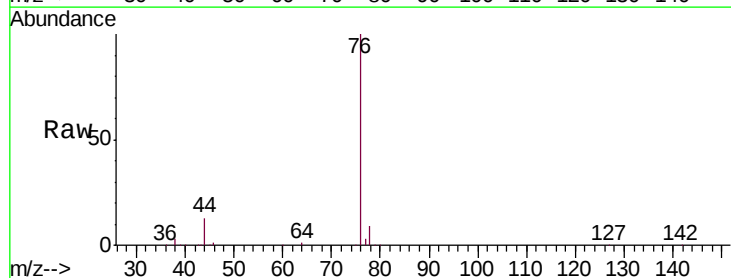
Acq: 25 Jul 2018 12:59

Tgt Ion: 76 Resp: 413488

Ion Ratio Lower Upper

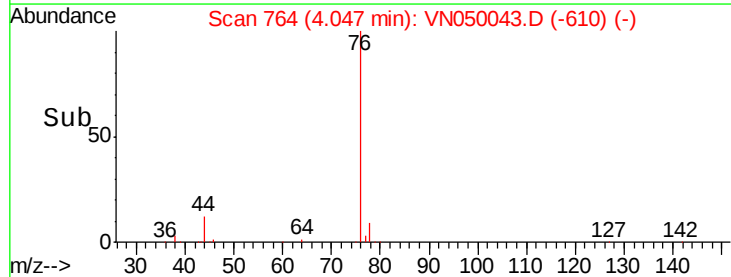
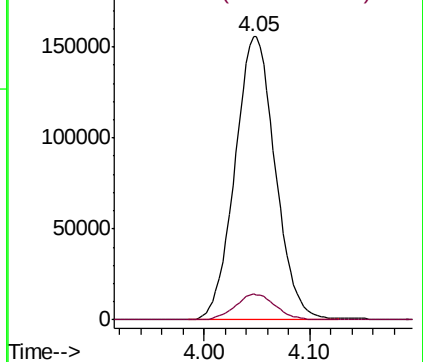
76 100

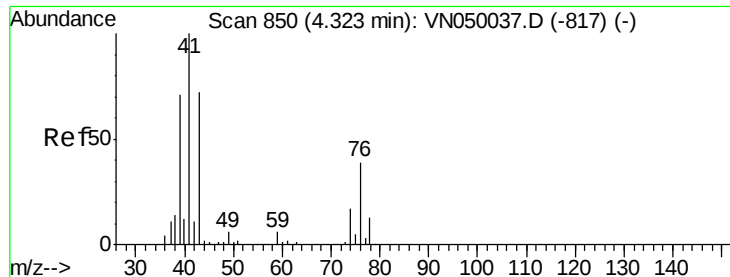
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050037.D (-744) (-)

Ion 78.00 (77.70 to 78.70): VN050037.D (-744) (-)





#17

Allvl chloride

Concen: 19.63 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

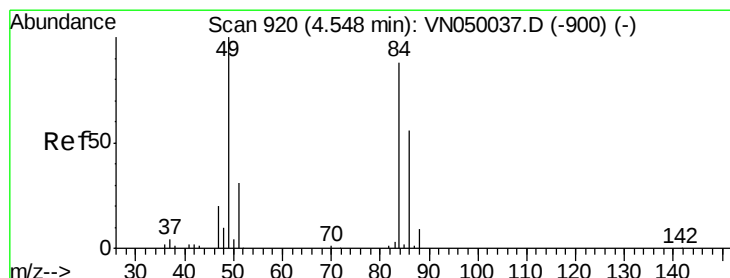
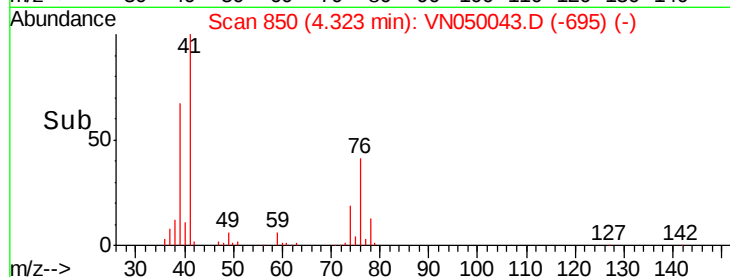
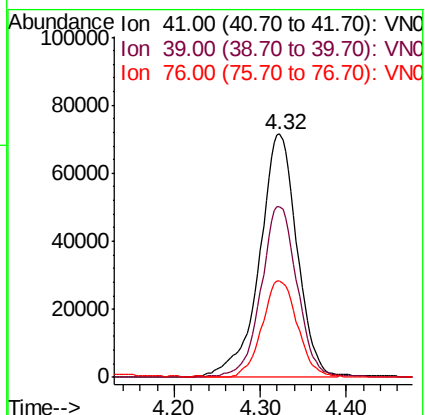
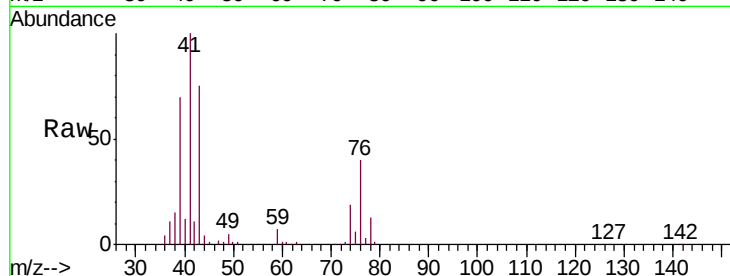
Tot Ion: 41 Resp: 217463

Ion Ratio Lower Upper

41 100

39 70.0 35.4 106.3

76 39.1 19.7 59.1



#18

Methylene Chloride

Concen: 19.74 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion: 84 Resp: 159811

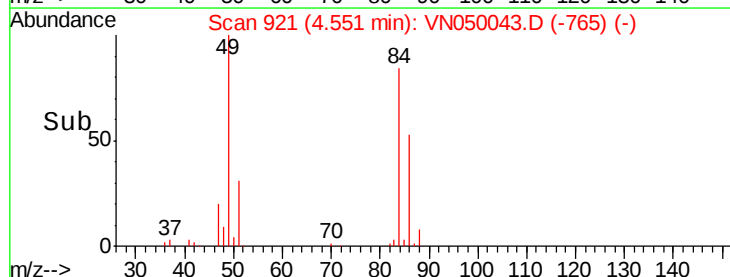
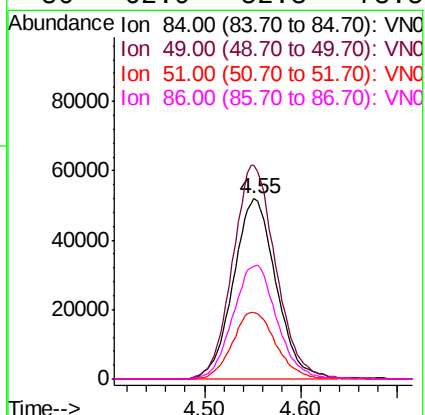
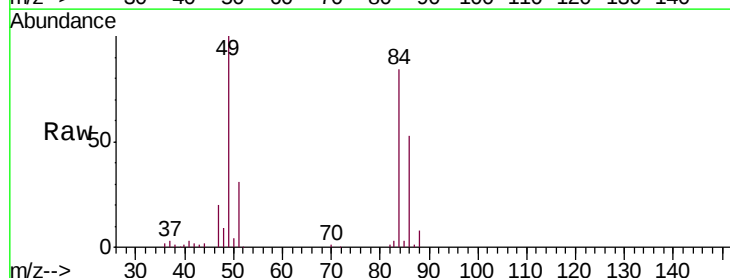
Ion Ratio Lower Upper

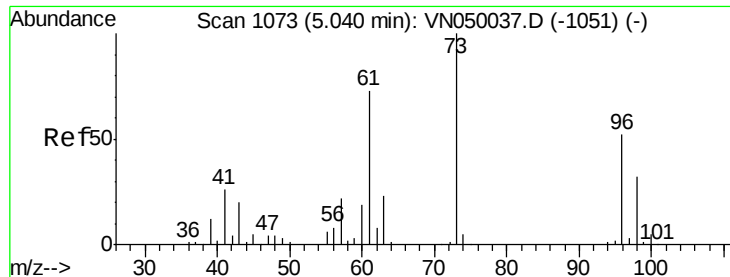
84 100

49 118.1 95.1 142.7

51 36.8 28.8 43.2

86 62.9 52.3 78.5

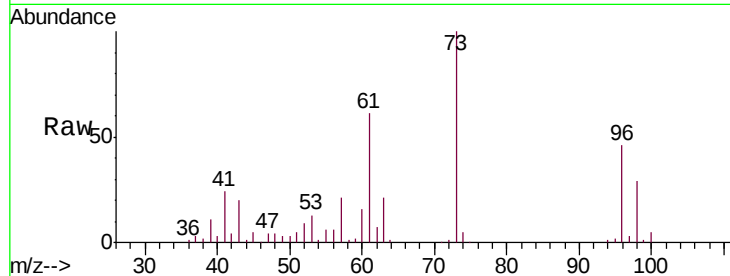




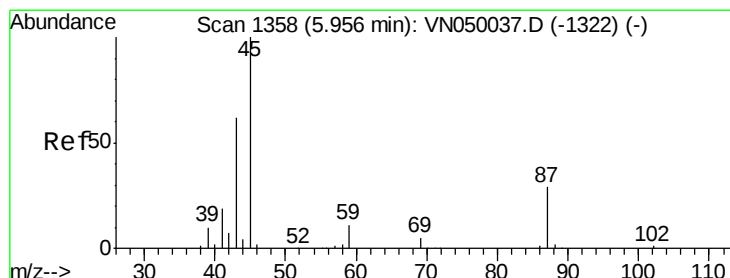
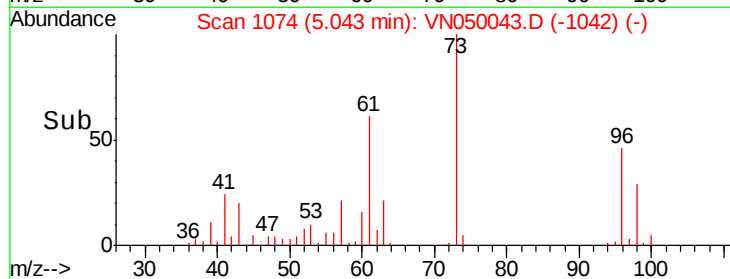
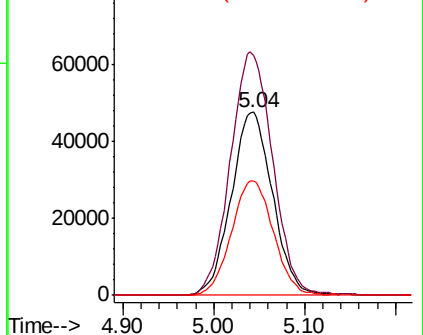
#19
trans-1,2-Dichloroethene
Concen: 20.10 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

Tot Ion: 96 Resp: 150979
Ion Ratio Lower Upper
96 100
61 130.8 112.1 168.1
98 62.8 51.3 76.9

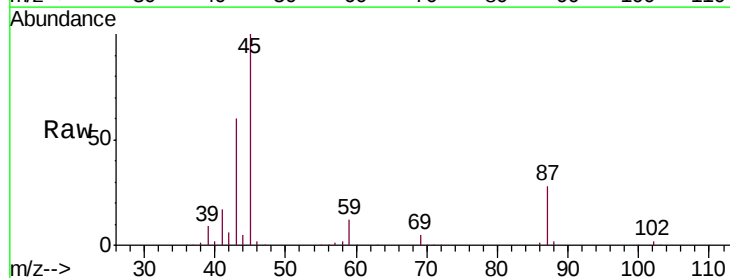


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

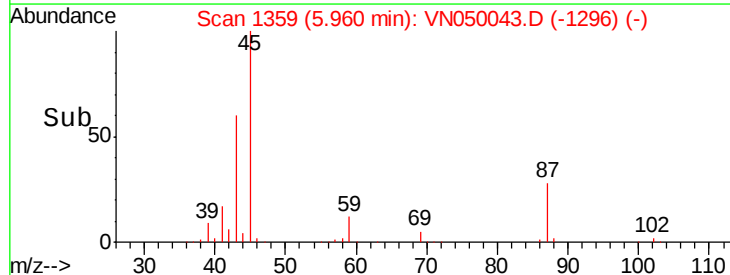
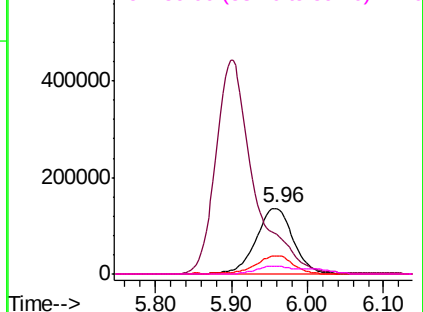


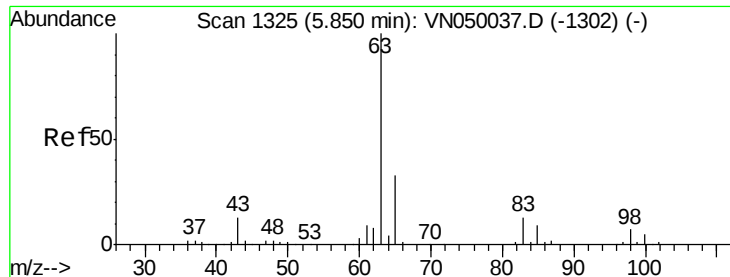
#20
Diisopropyl ether
Concen: 20.25 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 45 Resp: 459878
Ion Ratio Lower Upper
45 100
43 57.1 46.6 70.0
87 27.5 22.3 33.5
59 11.7 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

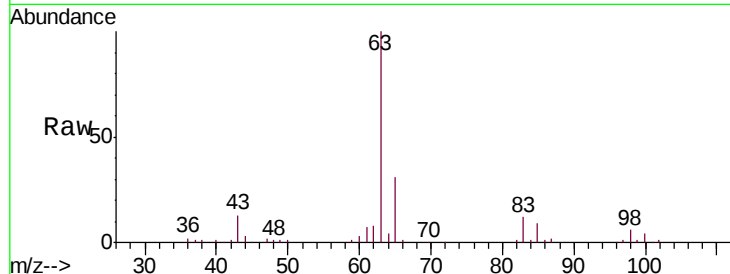




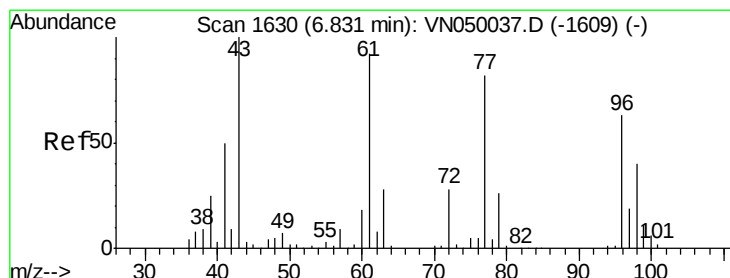
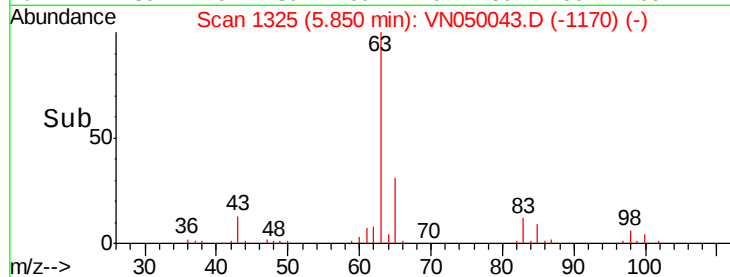
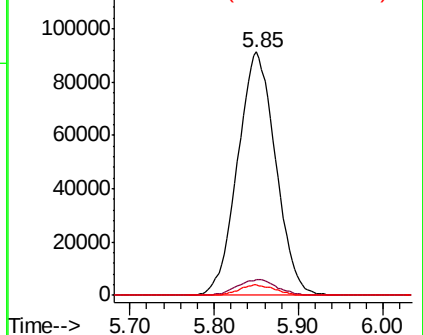
#21
 1,1-Dichloroethane
 Concen: 20.01 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

Tot Ion: 63 Resp: 285850
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.6
 100 4.3 2.3 6.8

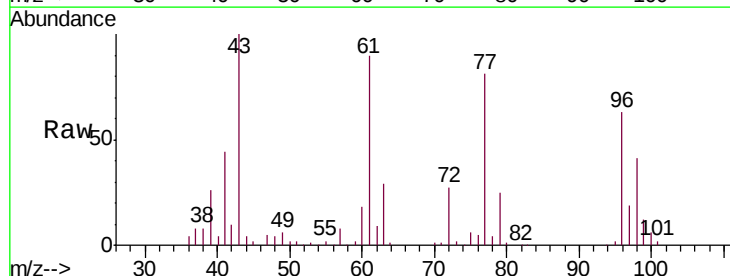


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

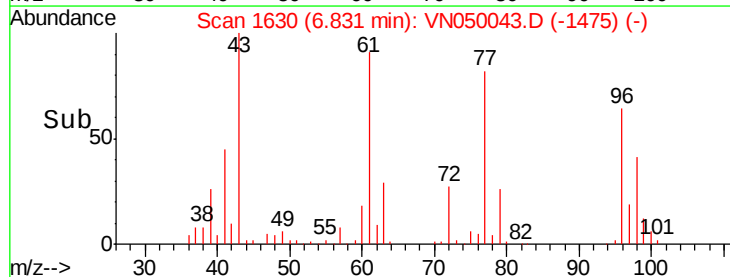
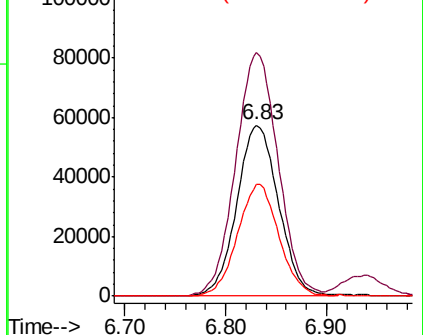


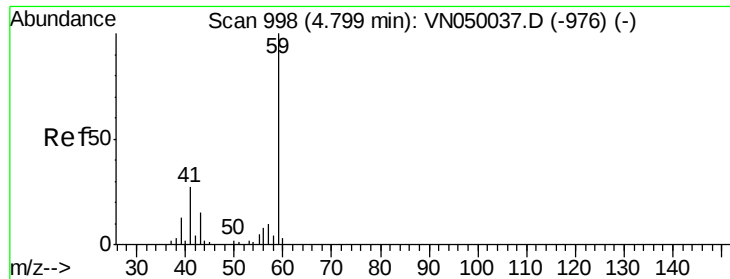
#22
 cis-1,2-Dichloroethene
 Concen: 19.82 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 96 Resp: 165096
 Ion Ratio Lower Upper
 96 100
 61 145.2 114.2 171.2
 98 64.6 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 104.51 ug/l

RT: 4.81 min Scan# 1000

Delta R.T. 0.01 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

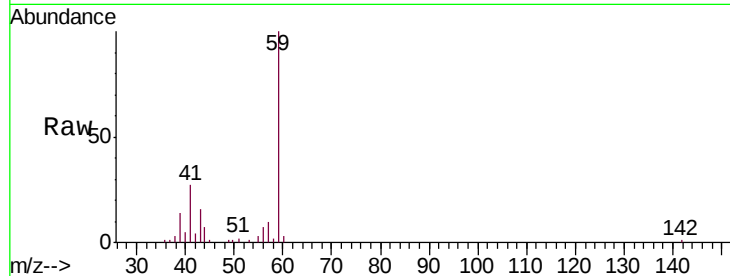
VN0725WBS01

Tot Ion: 59 Resp: 62674

Ion Ratio Lower Upper

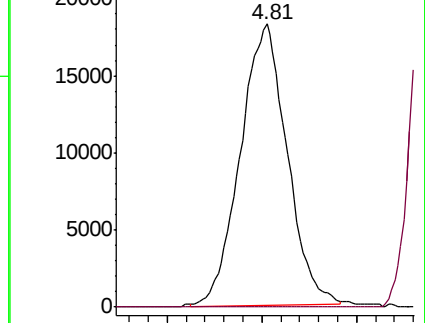
59 100

52 0.0 0.1 0.1#

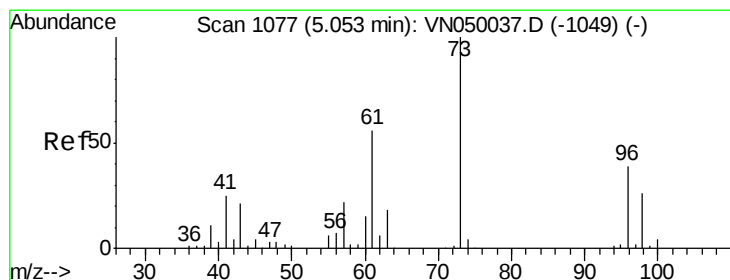
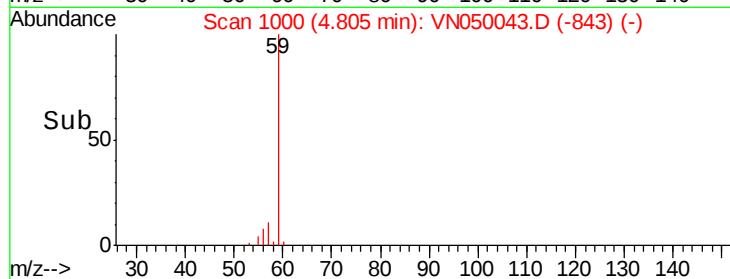


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->



#24

Methyl tert-Butyl Ether

Concen: 20.51 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VN050043.D

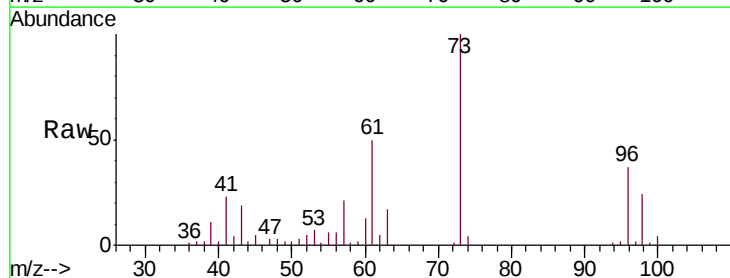
Acq: 25 Jul 2018 12:59

Tgt Ion: 73 Resp: 392274

Ion Ratio Lower Upper

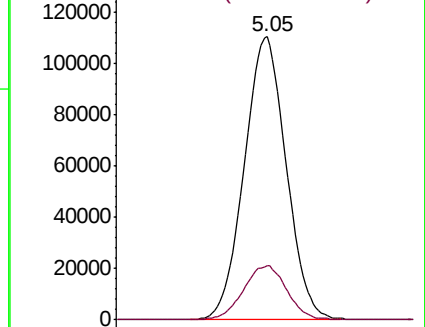
73 100

43 19.5 15.5 23.3

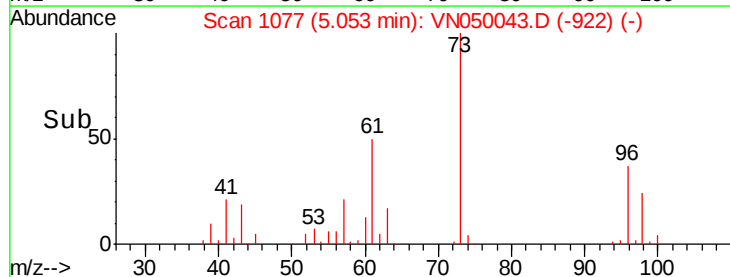


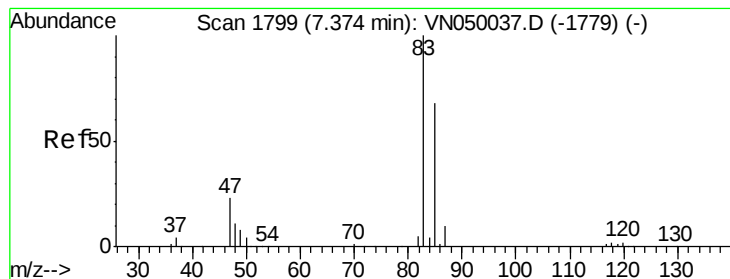
Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



Time-->





#25

Chloroform

Concen: 20.09 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

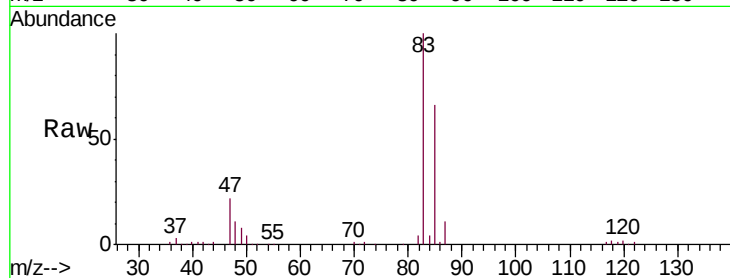
VN0725WBS01

Tot Ion: 83 Resp: 290423

Ion Ratio Lower Upper

83 100

85 65.7 52.1 78.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

120000

100000

80000

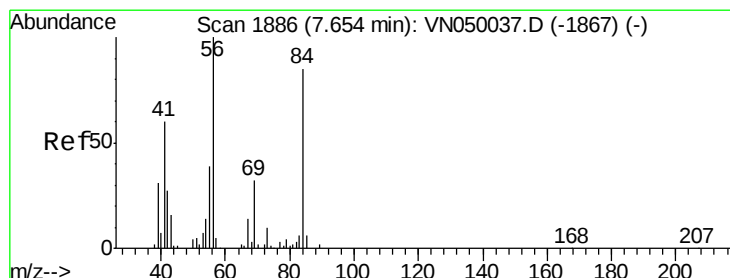
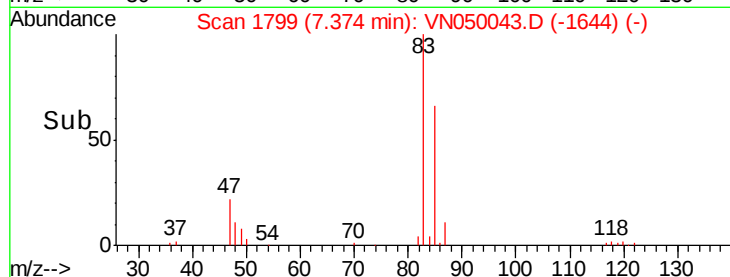
60000

40000

20000

0

Time-->



#26

Cyclohexane

Concen: 20.13 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

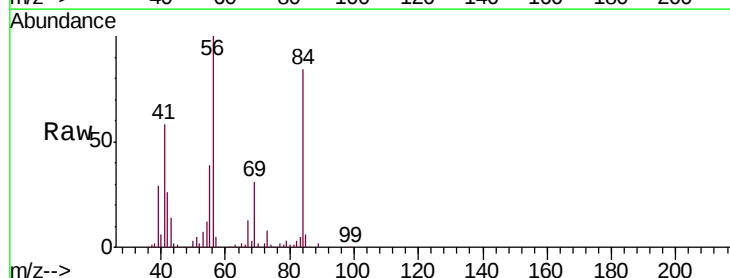
Tgt Ion: 56 Resp: 228513

Ion Ratio Lower Upper

56 100

89 2.7 3.0 4.4#

84 86.4 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

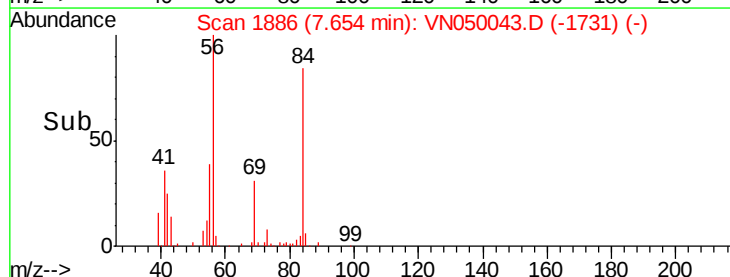
150000

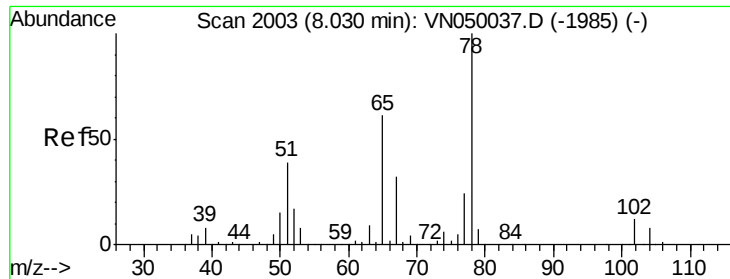
100000

50000

0

Time-->





#27

1,2-Dichloroethane-d4

Concen: 30.79 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

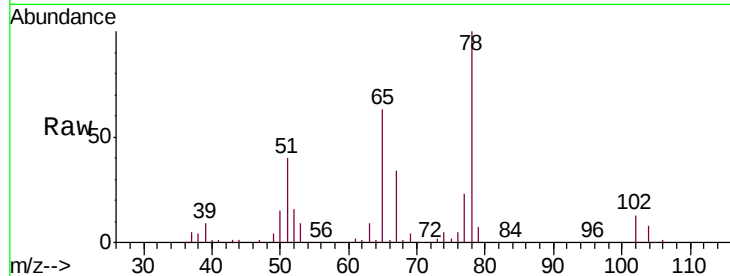
VN0725WBS01

Tot Ion: 65 Resp: 275364

Ion Ratio Lower Upper

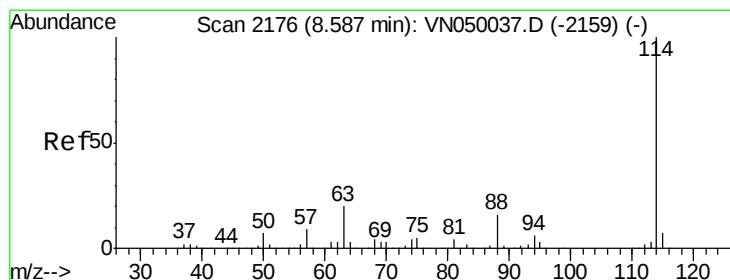
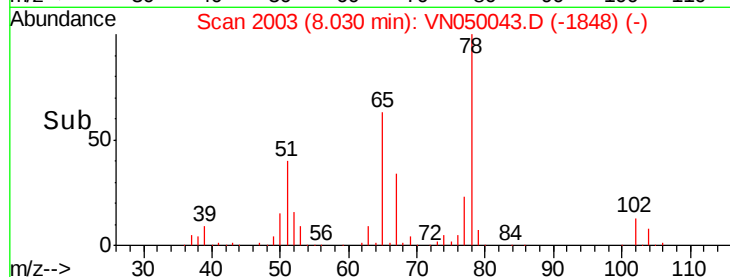
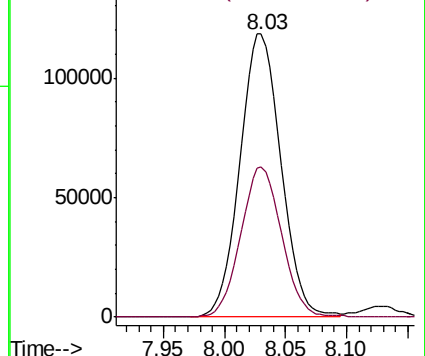
65 100

67 52.7 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

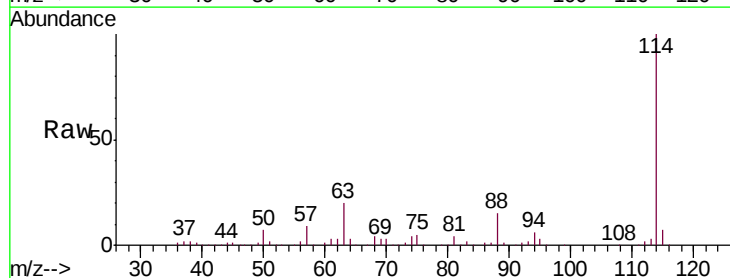
Tgt Ion: 114 Resp: 712767

Ion Ratio Lower Upper

114 100

63 19.5 16.2 24.2

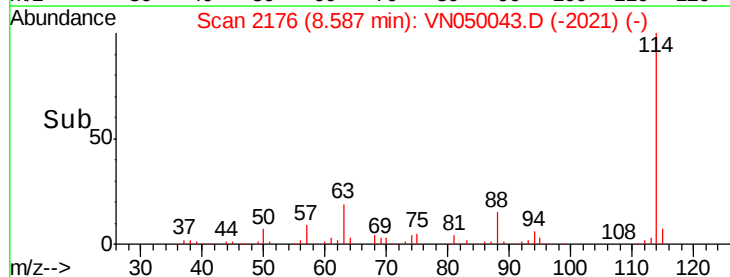
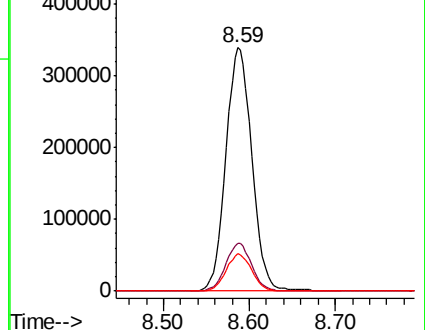
88 15.1 12.3 18.5

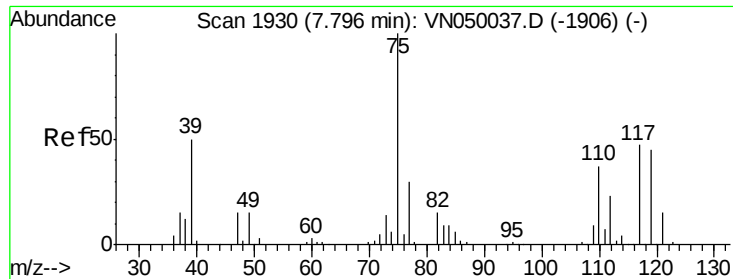


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

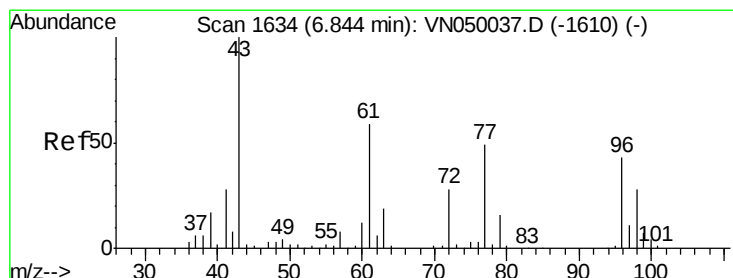
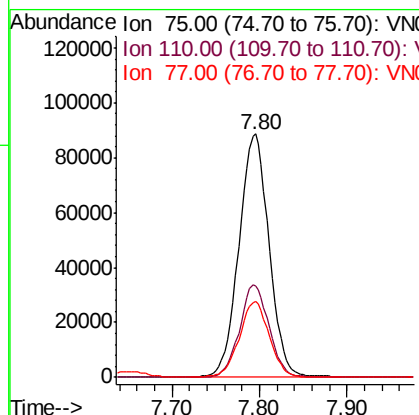
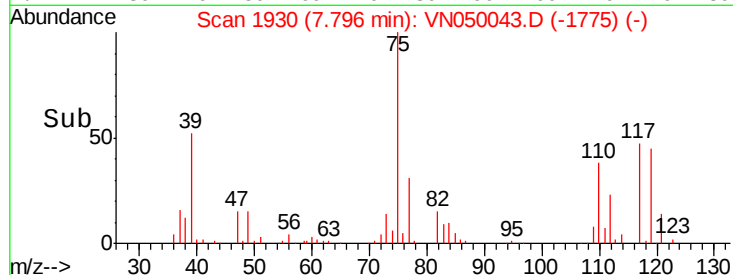
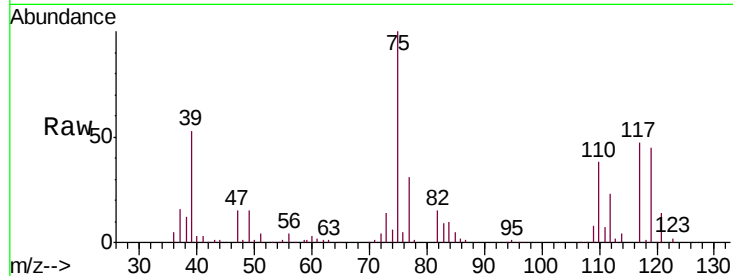




#29
 1,1-Dichloropropene
 Concen: 19.17 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

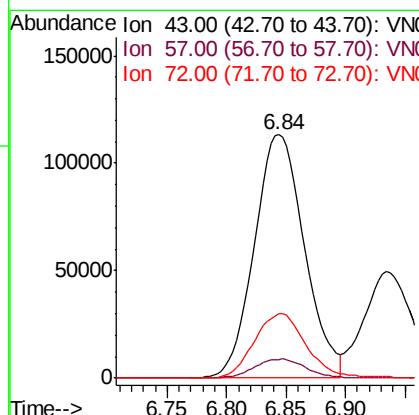
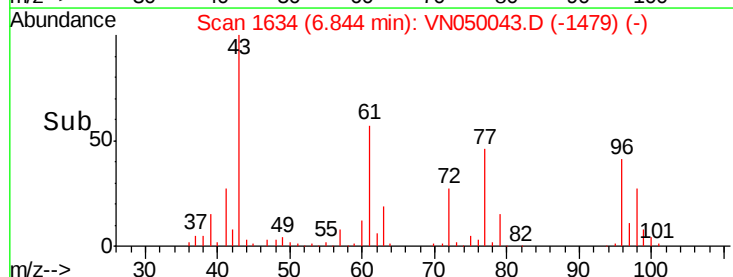
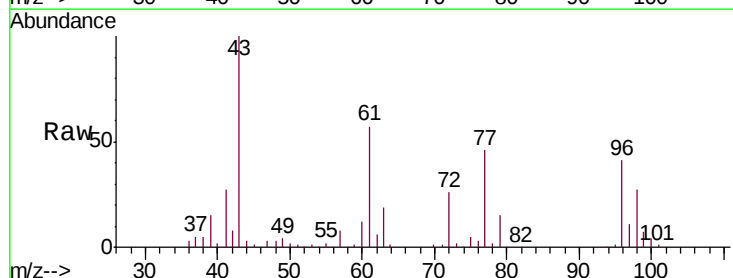
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

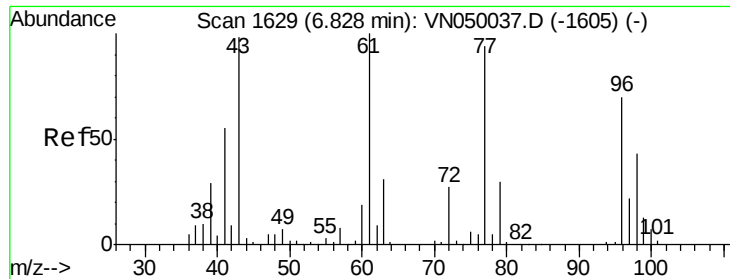
Tot Ion: 75 Resp: 212090
 Ion Ratio Lower Upper
 75 100
 110 36.9 0.0 73.2
 77 31.1 0.0 62.0



#30
 2-Butanone
 Concen: 94.87 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 43 Resp: 329295
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.8 10.2
 72 27.7 21.4 32.0

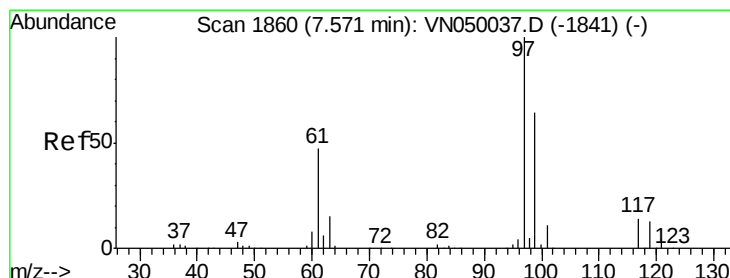
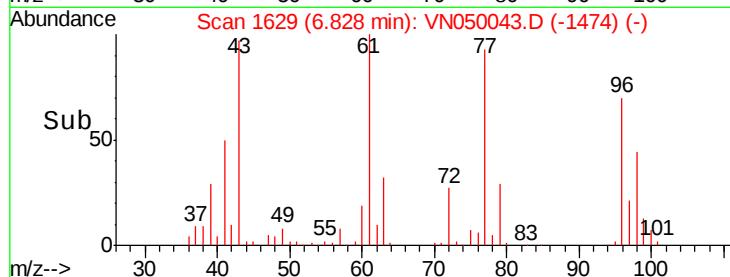
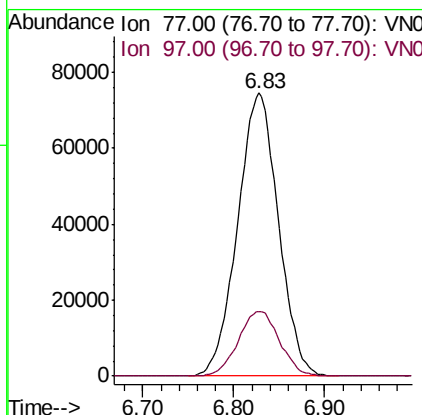
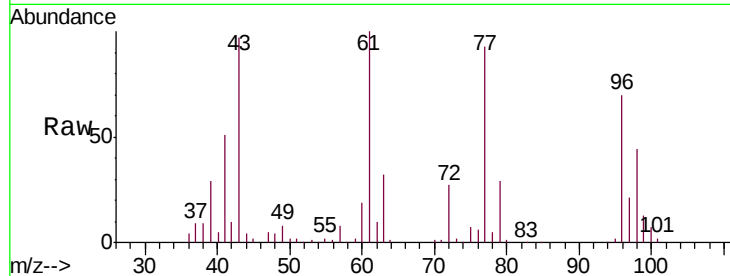




#31
 2,2-Dichloropropane
 Concen: 18.96 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

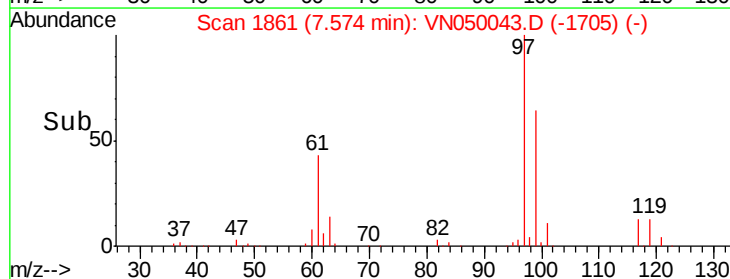
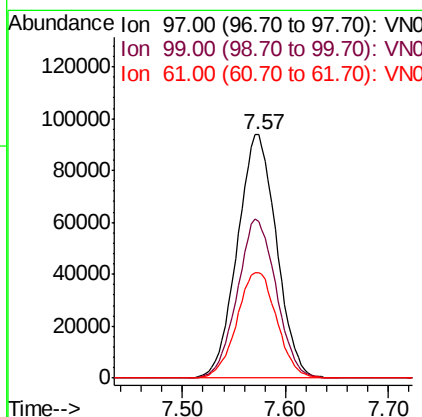
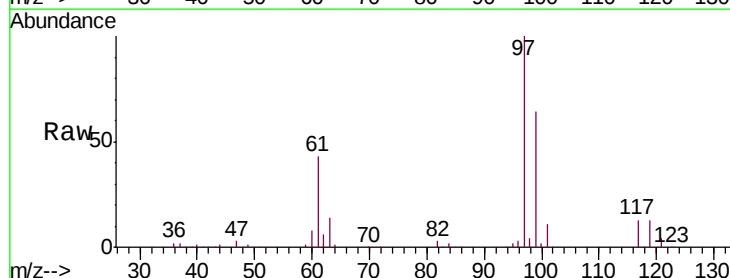
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

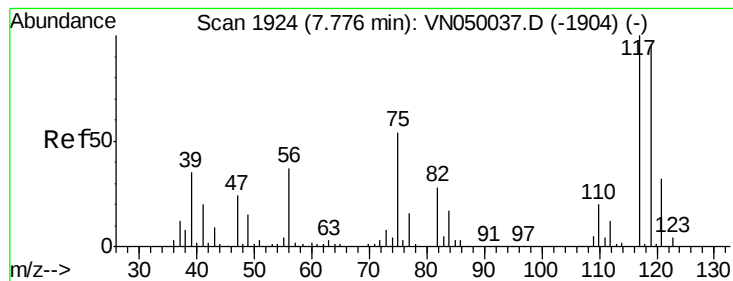
Tot Ion: 77 Resp: 231853
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 19.02 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 97 Resp: 247625
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.2 76.8
 61 44.4 35.3 52.9





#33

Carbon Tetrachloride

Concen: 18.81 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS01

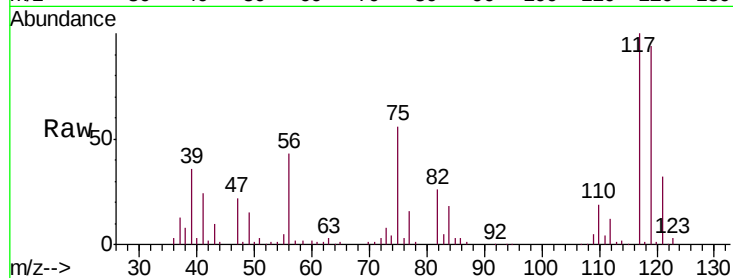
Tot Ion:117 Resp: 218349

Ion Ratio Lower Upper

117 100

119 94.5 76.9 115.3

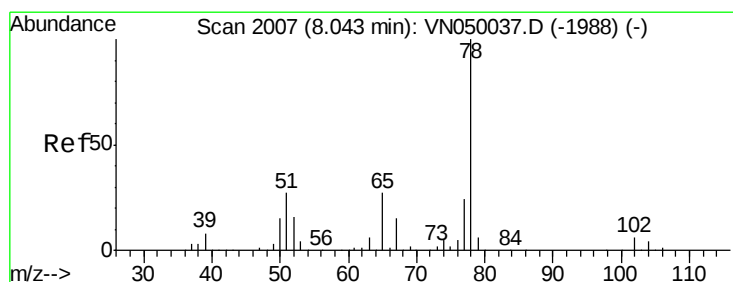
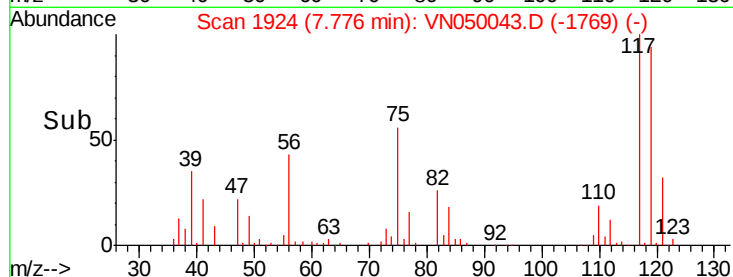
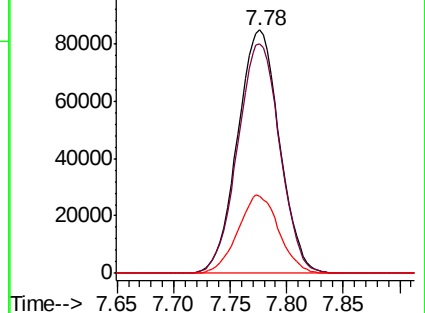
121 31.6 24.4 36.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 19.00 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

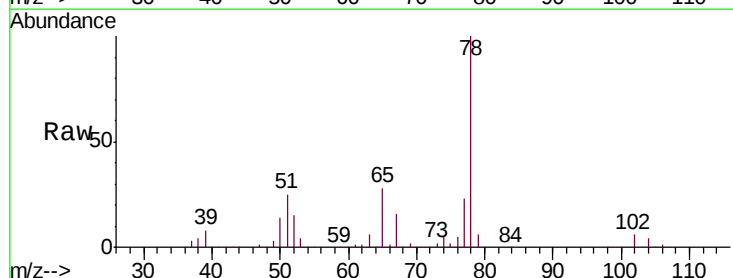
Tgt Ion: 78 Resp: 638399

Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7

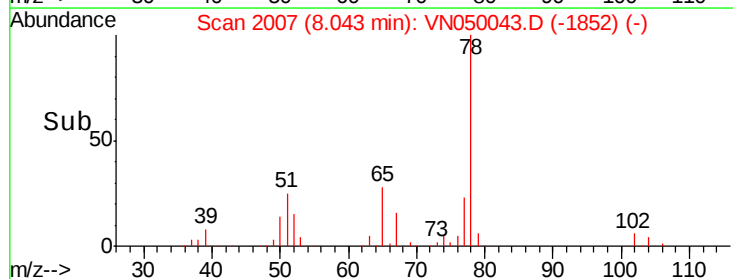
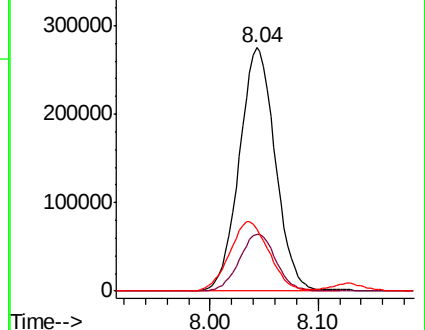
51 25.4 21.0 31.4

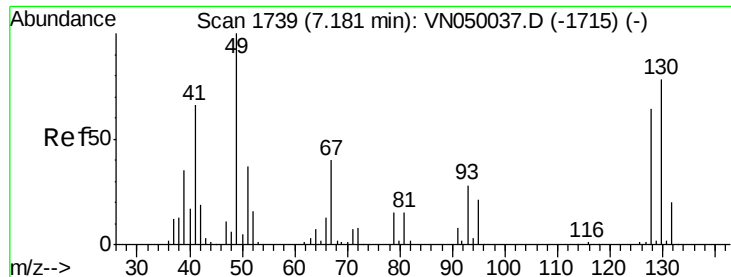


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

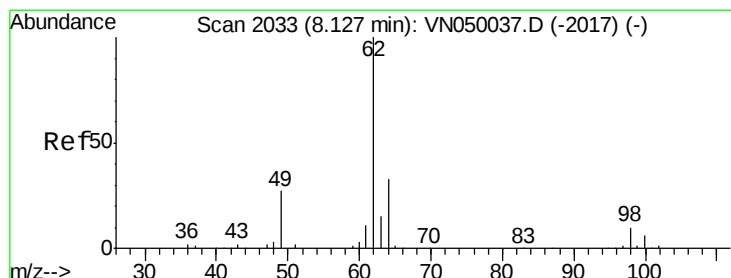
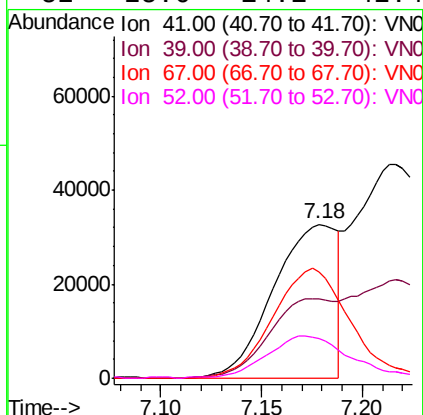
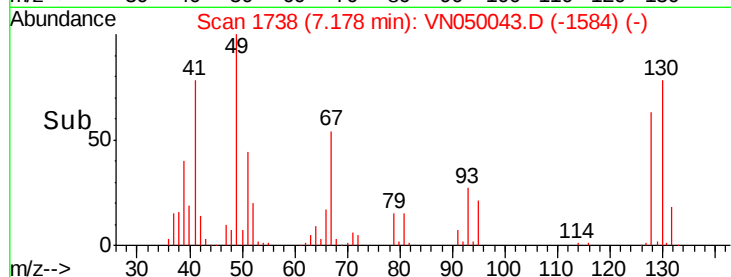
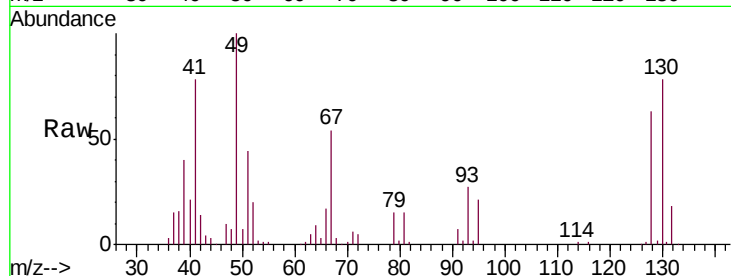




#35
Methacrylonitrile
Concen: 18.12 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

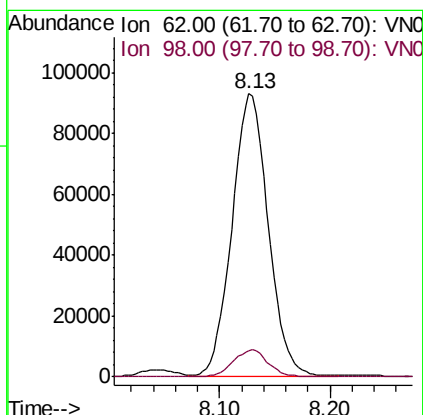
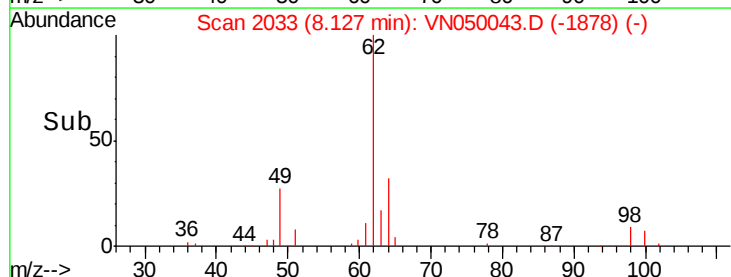
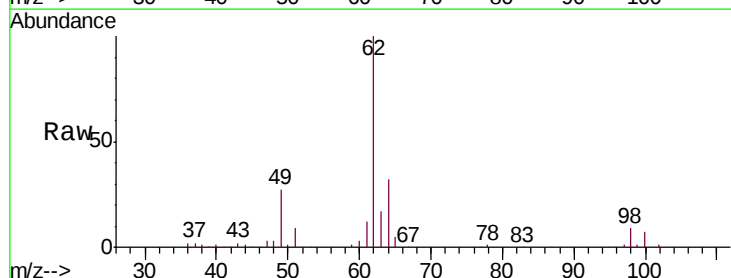
Instrument :
MSVOA_N
ClientSampled :
VN0725WBS01

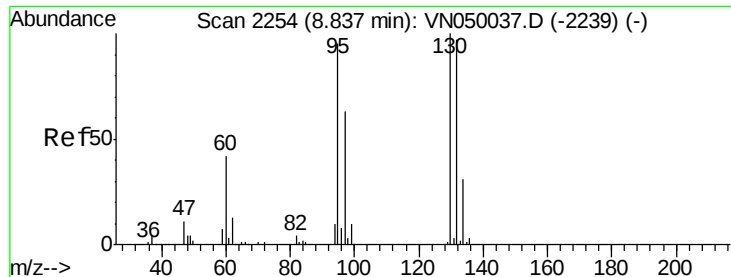
Tot Ion: 41 Resp: 71625
Ion Ratio Lower Upper
41 100
39 51.8 27.6 82.7
67 69.5 35.1 105.5
52 25.6 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 62 Resp: 210928
Ion Ratio Lower Upper
62 100
98 9.3 7.8 11.6





#37

Trichloroethene

Concen: 19.23 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

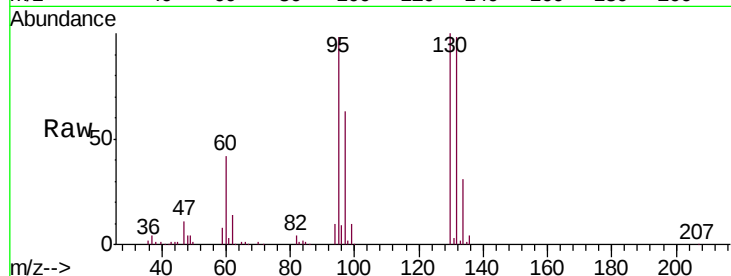
VN0725WBS01

Tot Ion:130 Resp: 169419

Ion Ratio Lower Upper

130 100

95 97.8 79.7 119.5



Abundance Ion 129.90 (129.60 to 130.60): VN050037.D (-2239) (-)

Ion 94.90 (94.60 to 95.60): VN050037.D (-2239) (-)

8.84

80000

60000

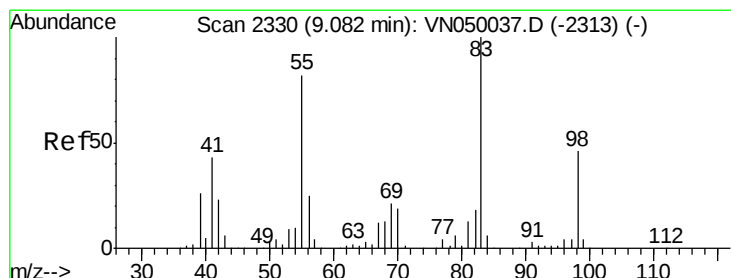
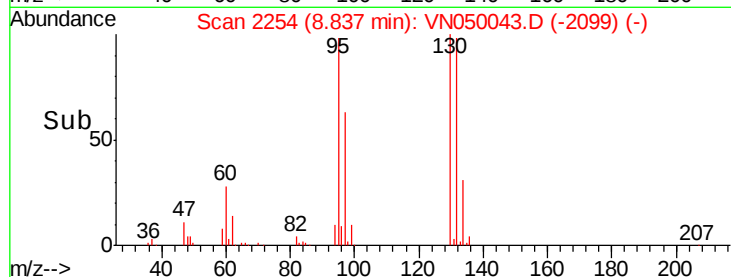
40000

20000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 19.18 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

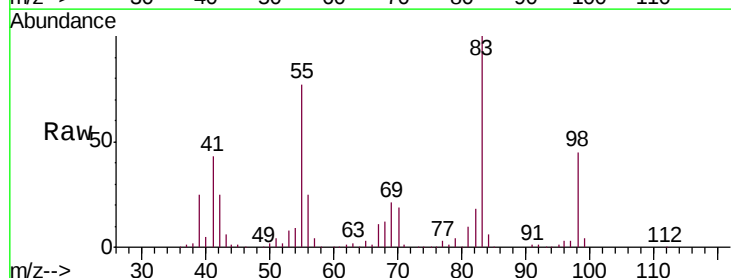
Tgt Ion: 83 Resp: 223636

Ion Ratio Lower Upper

83 100

55 77.0 39.3 117.8

98 45.2 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2313) (-)

Ion 55.00 (54.70 to 55.70): VN050037.D (-2313) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-2313) (-)

9.08

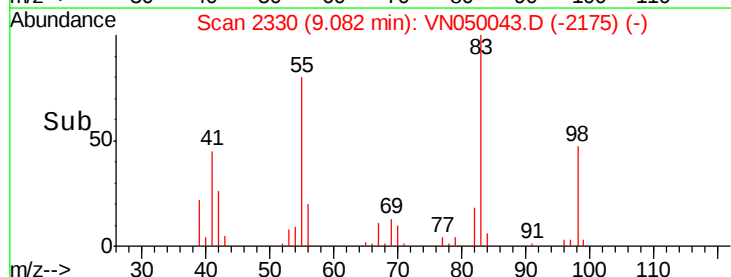
100000

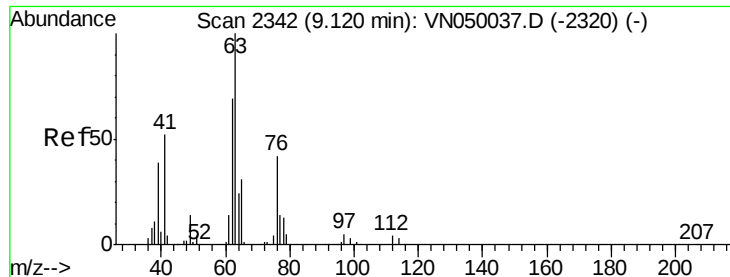
50000

0

9.00 9.05 9.10 9.15

Time-->





#39

1,2-Dichloropropane

Concen: 19.14 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

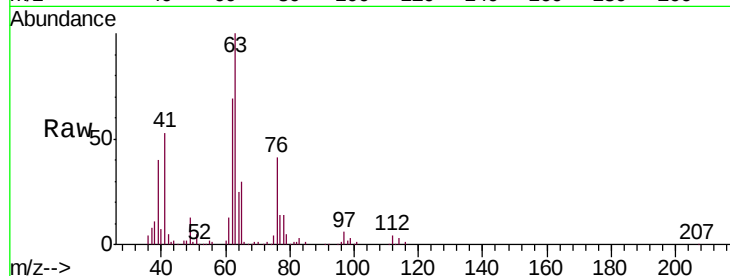
VN0725WBS01

Tot Ion: 63 Resp: 169384

Ion Ratio Lower Upper

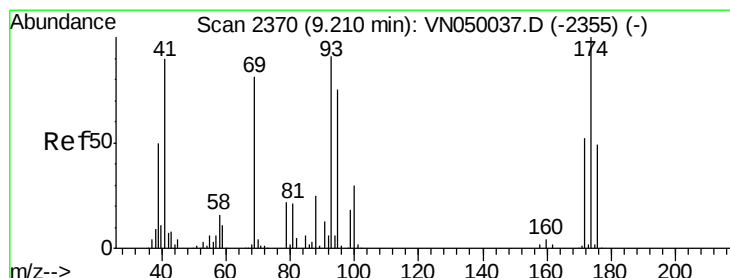
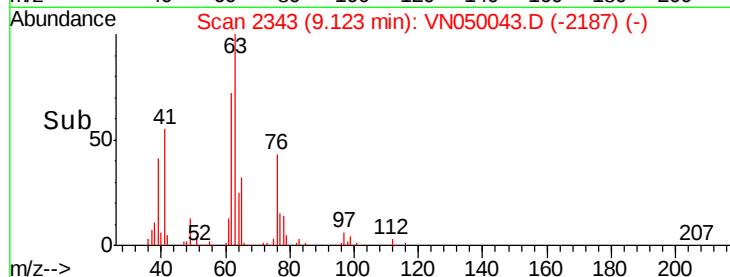
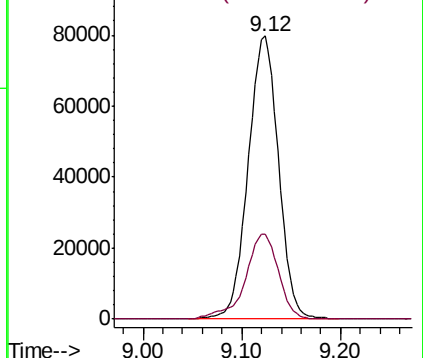
63 100

65 30.1 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.92 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

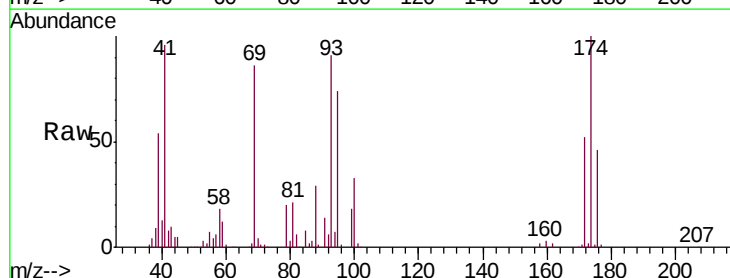
Tgt Ion: 93 Resp: 103469

Ion Ratio Lower Upper

93 100

95 82.8 0.0 165.6

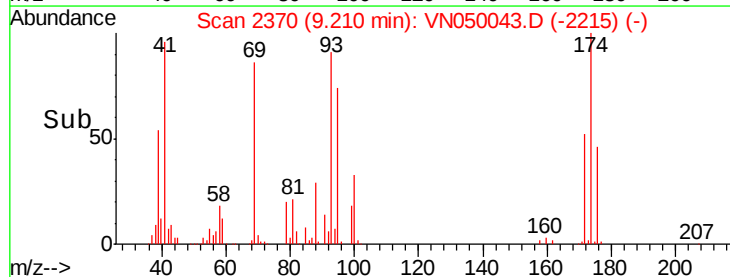
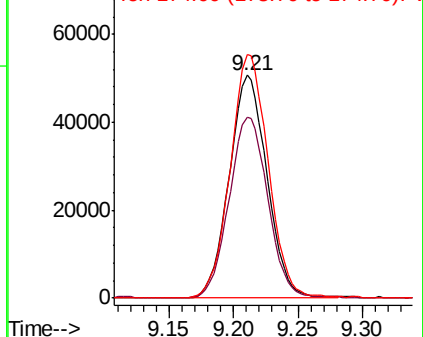
174 109.7 0.0 223.2

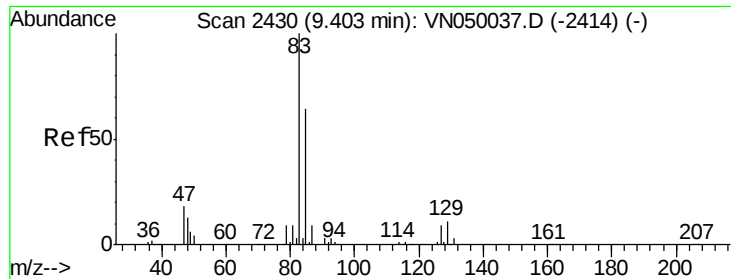


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

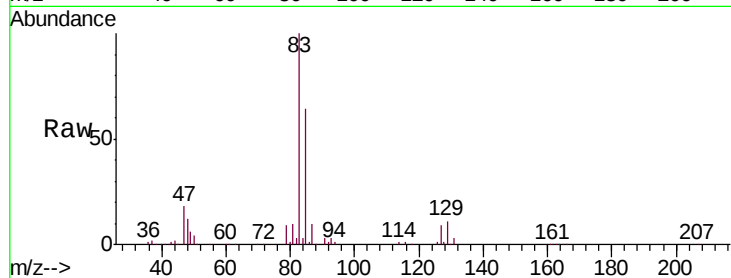




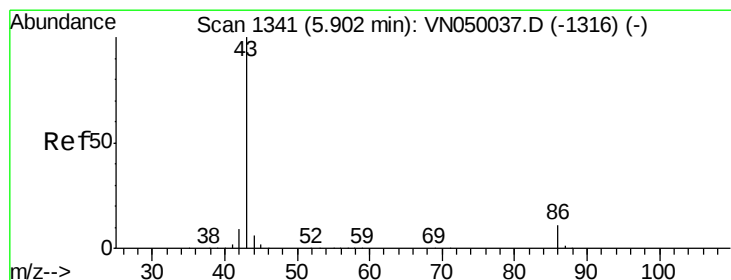
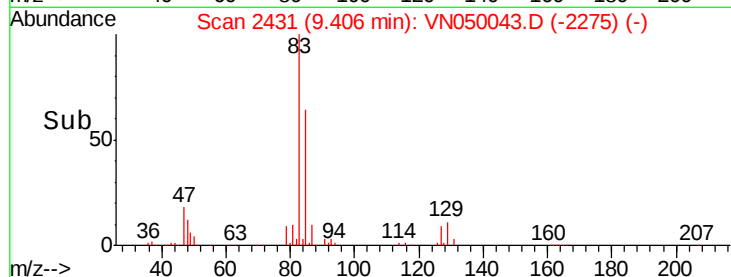
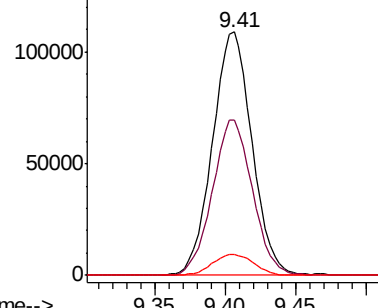
#41
Bromodichloromethane
Concen: 18.51 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0725WBS01

Tot Ion: 83 Resp: 213512
Ion Ratio Lower Upper
83 100
85 63.5 52.6 78.8
127 8.5 7.0 10.4

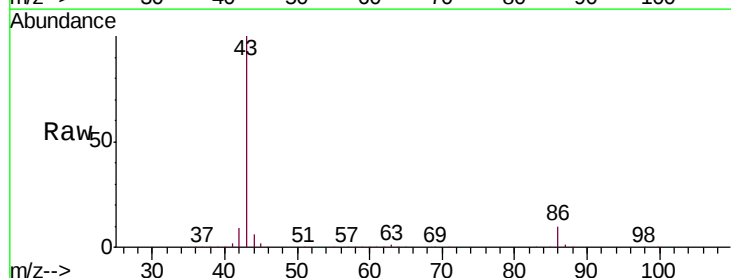


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

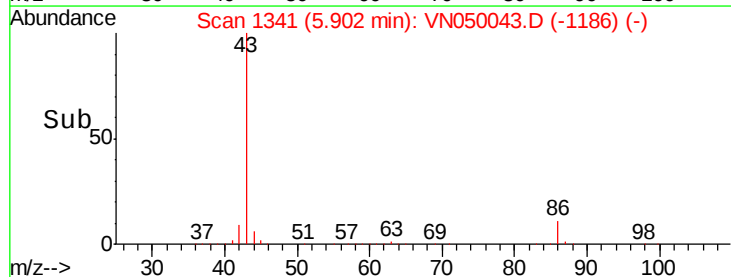
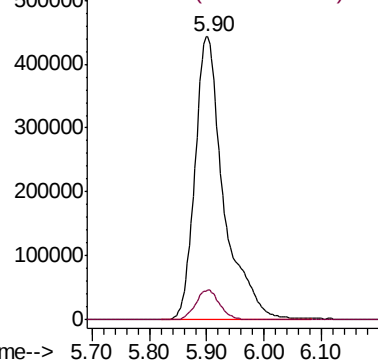


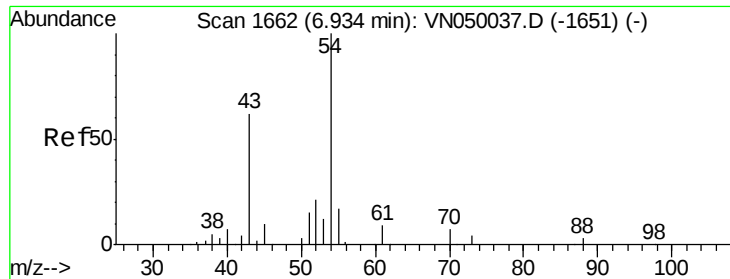
#42
Vinyl Acetate
Concen: 94.76 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 43 Resp: 1547803
Ion Ratio Lower Upper
43 100
86 8.8 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.08 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

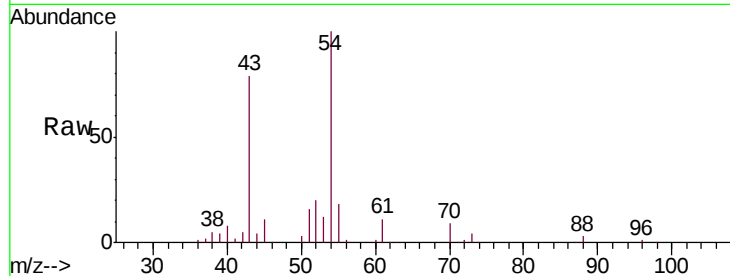
VN0725WBS01

Tot Ion: 43 Resp: 138276

Ion Ratio Lower Upper

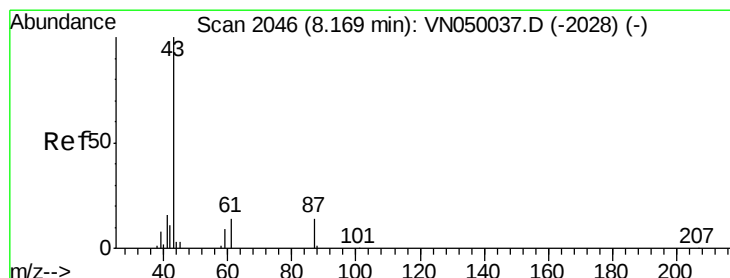
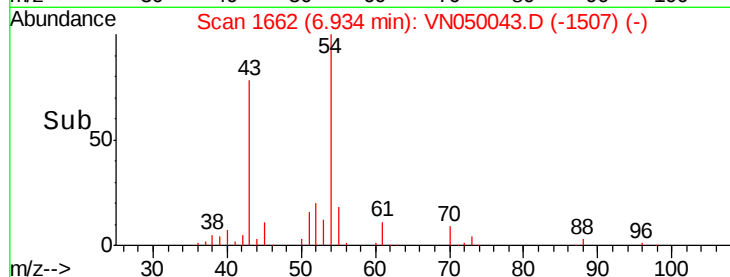
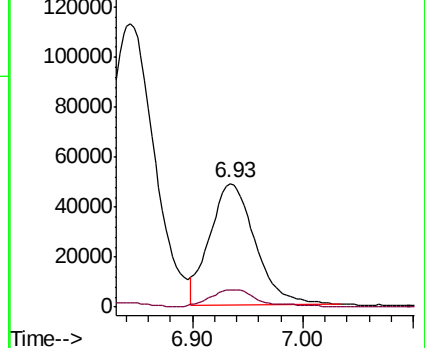
43 100

45 13.0 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 20.15 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050043.D

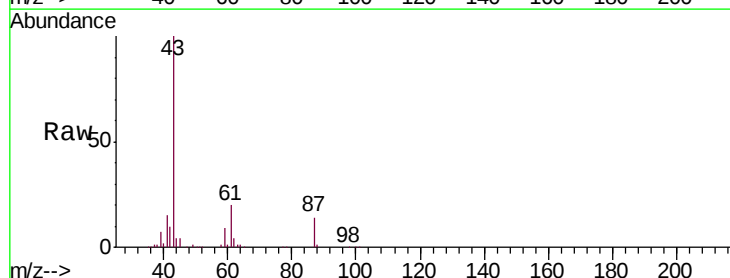
Acq: 25 Jul 2018 12:59

Tgt Ion: 43 Resp: 270611

Ion Ratio Lower Upper

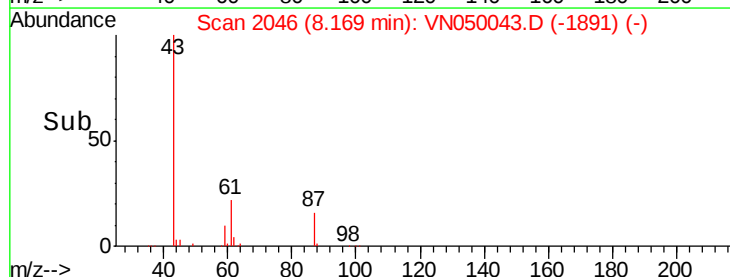
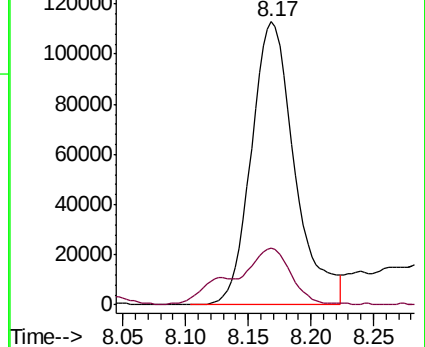
43 100

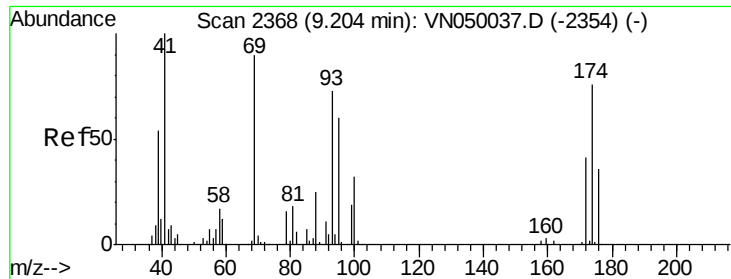
61 18.4 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

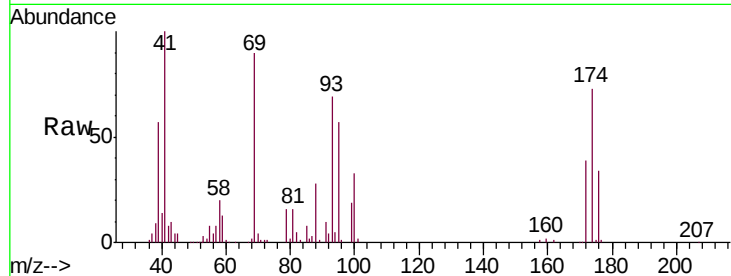




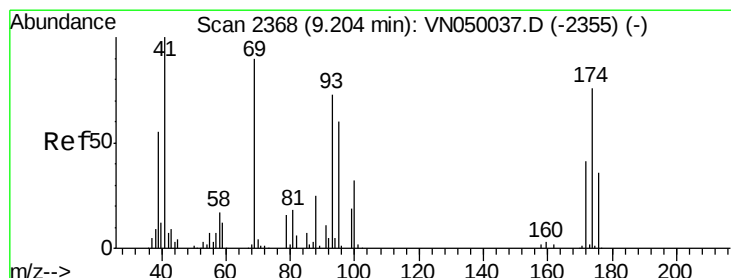
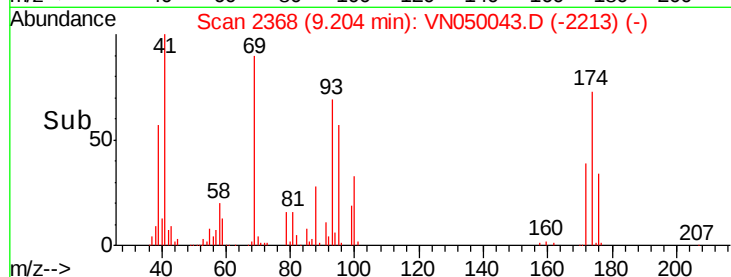
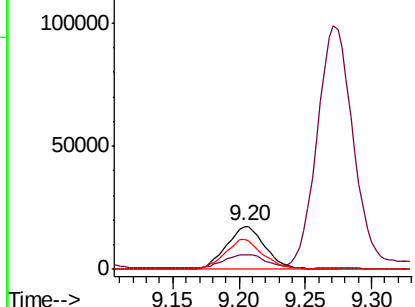
#45
 1,4-Dioxane
 Concen: 402.00 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0725WBS01

Tot Ion: 88 Resp: 35519
 Ion Ratio Lower Upper
 88 100
 43 33.5 26.9 40.3
 58 68.0 53.6 80.4

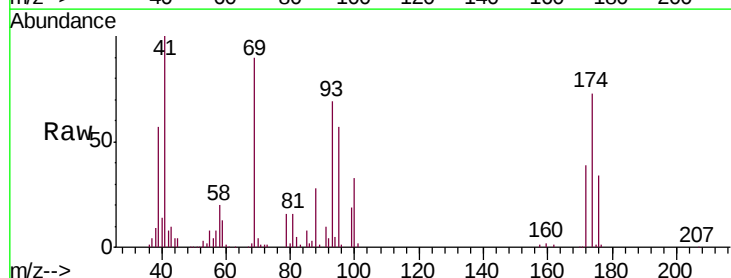


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

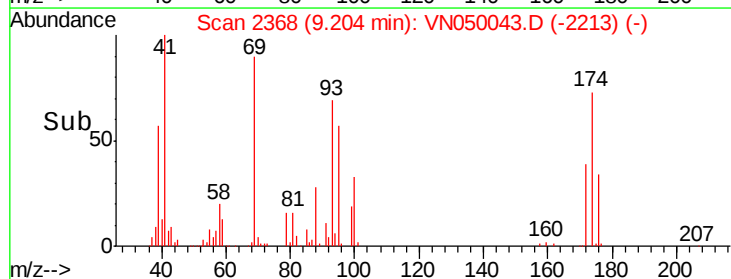
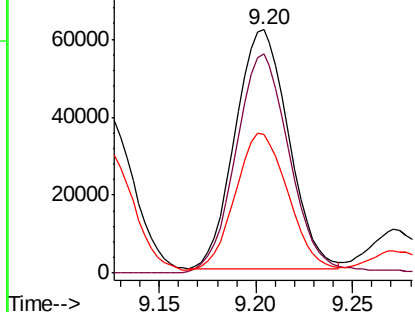


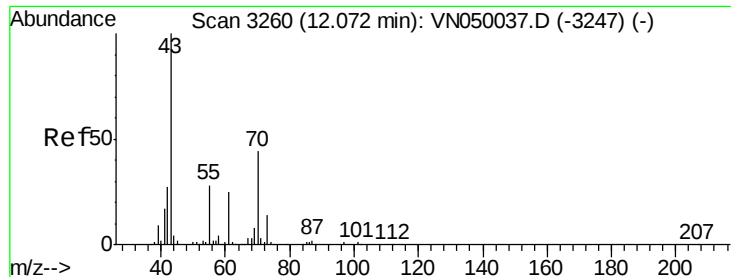
#46
 Methyl methacrylate
 Concen: 18.10 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion: 41 Resp: 117799
 Ion Ratio Lower Upper
 41 100
 69 91.3 44.0 132.1
 39 56.9 27.0 80.8



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

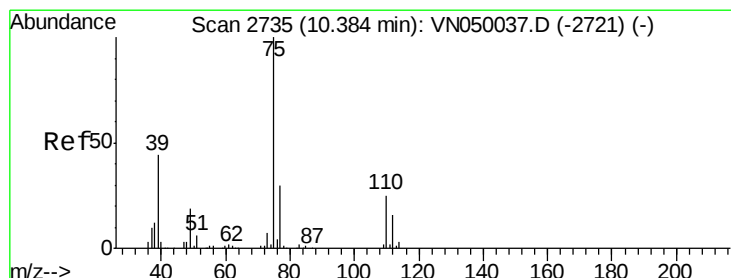
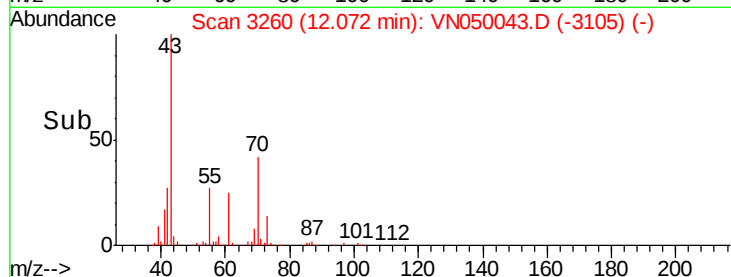
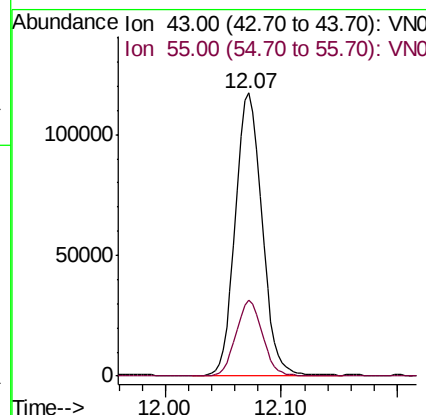
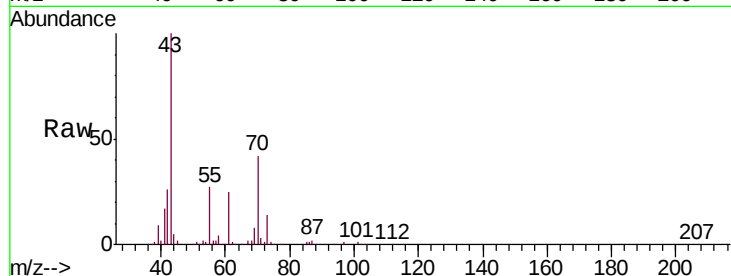




#47
n-amyl Acetate
Concen: 17.84 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

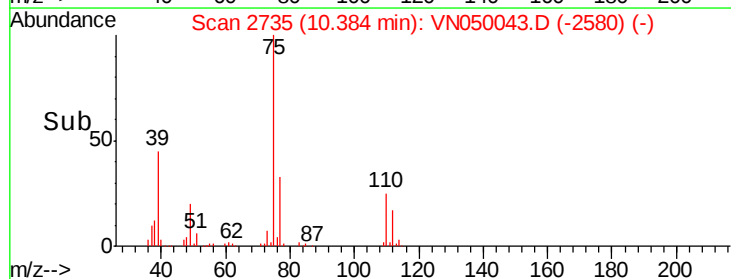
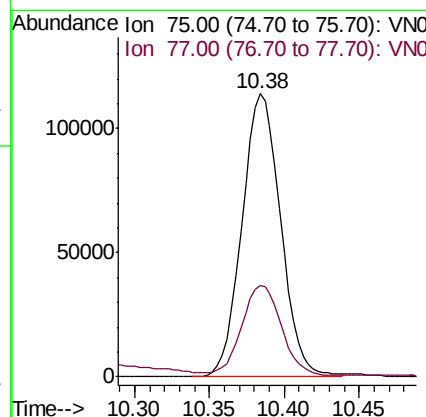
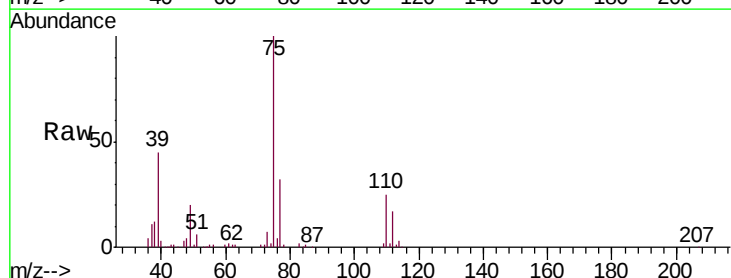
Instrument :
MSVOA_N
ClientSampled :
VN0725WBS01

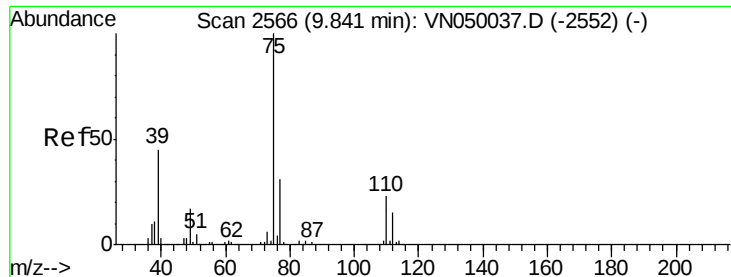
Tot Ion: 43 Resp: 186342
Ion Ratio Lower Upper
43 100
55 26.6 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 17.97 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 75 Resp: 205517
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 18.80 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

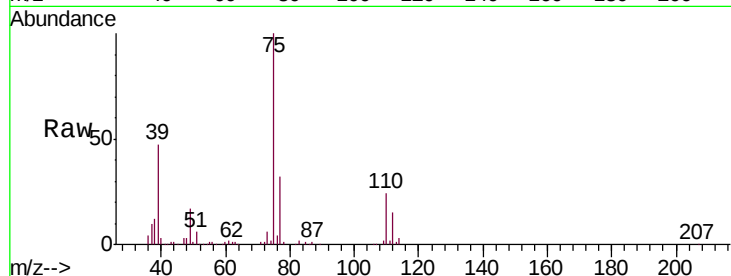
Tot Ion: 75 Resp: 242876

Ion Ratio Lower Upper

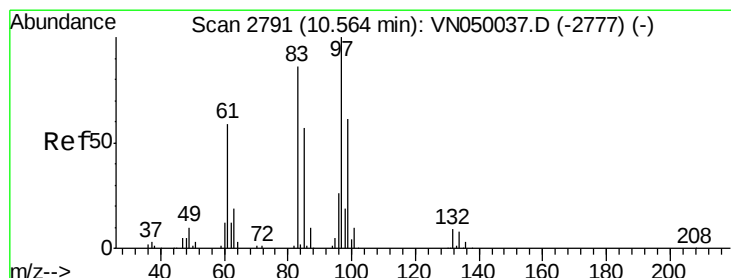
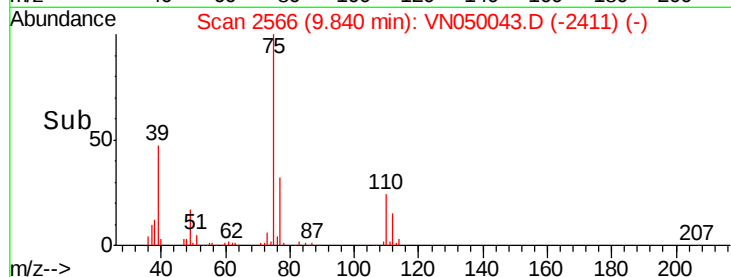
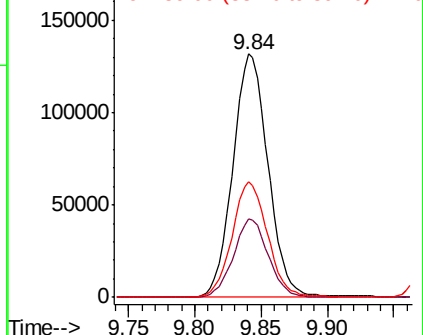
75 100

77 32.1 25.7 38.5

39 47.2 36.3 54.5



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane

Concen: 18.81 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Tgt Ion: 97 Resp: 147654

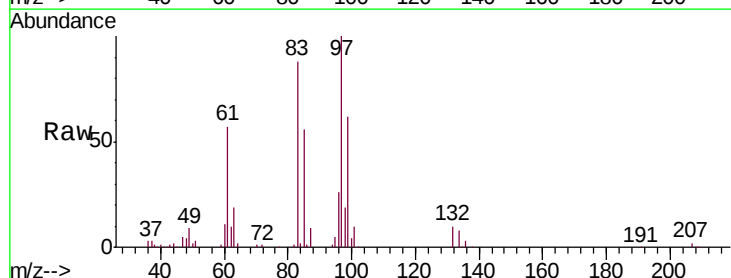
Ion Ratio Lower Upper

97 100

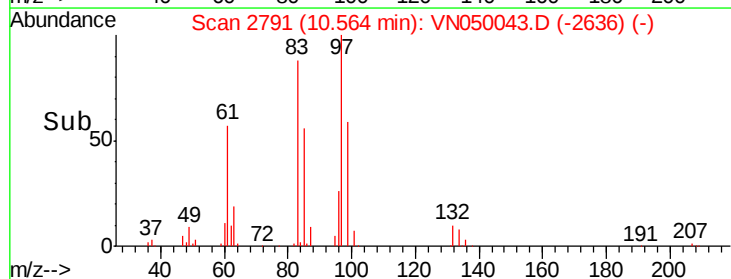
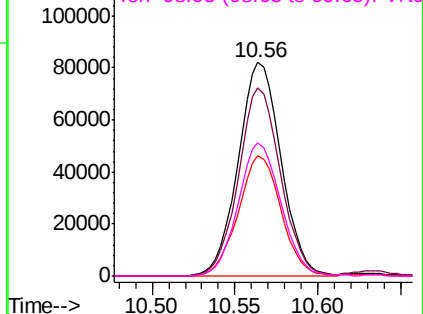
83 87.9 68.1 102.1

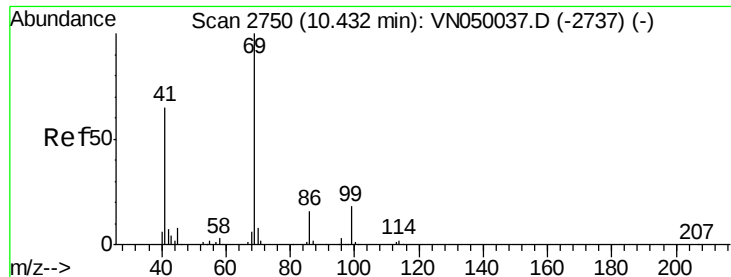
85 56.1 45.4 68.2

99 62.2 49.4 74.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 18.47 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS01

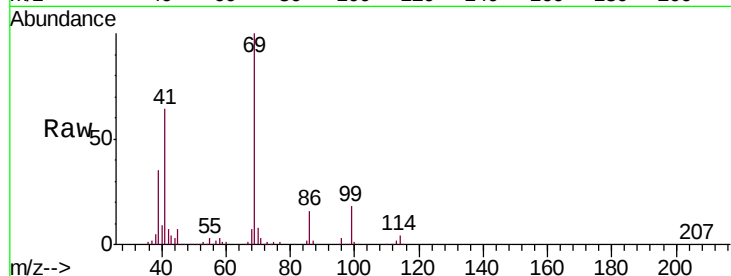
Tot Ion: 69 Resp: 175983

Ion Ratio Lower Upper

69 100

41 64.1 31.9 95.9

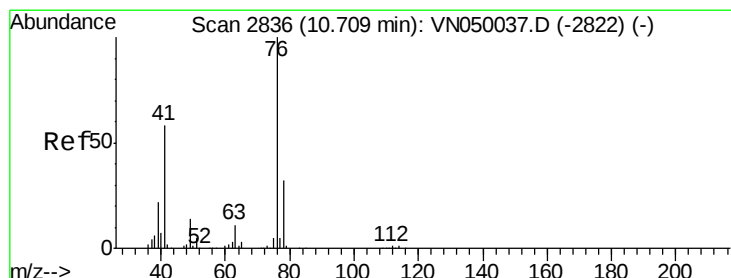
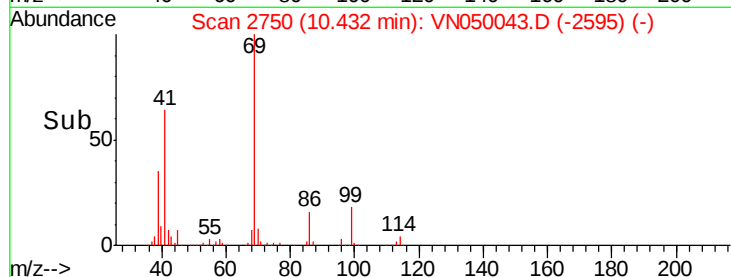
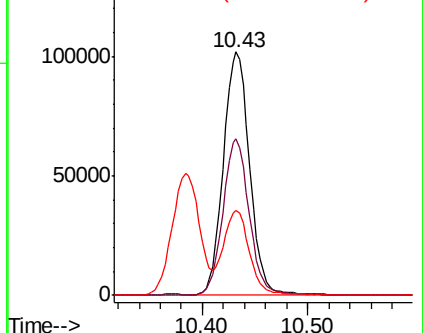
39 34.7 16.7 50.1



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.72 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050043.D

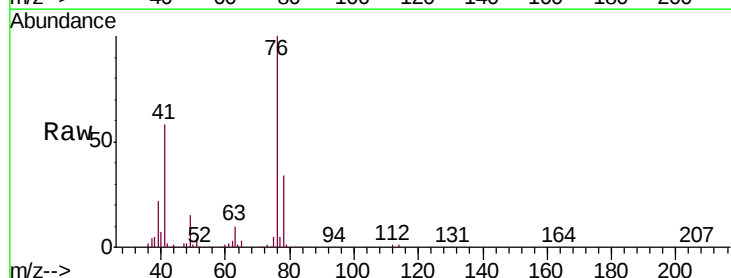
Acq: 25 Jul 2018 12:59

Tgt Ion: 76 Resp: 241373

Ion Ratio Lower Upper

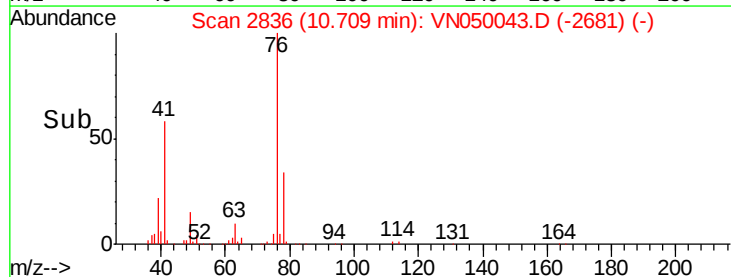
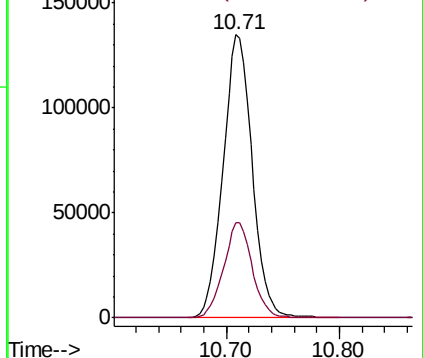
76 100

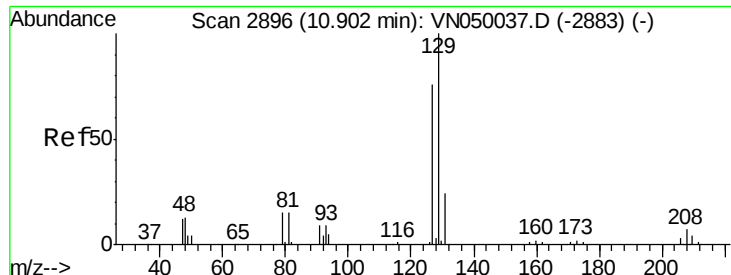
78 33.0 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.36 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

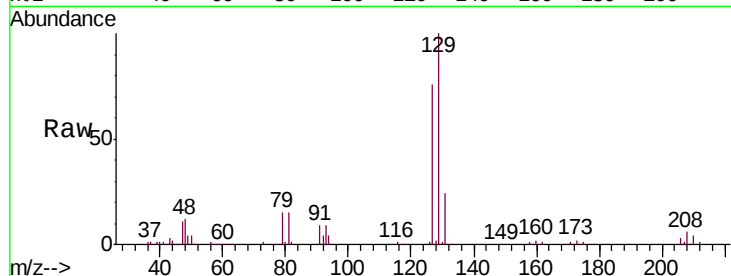
VN0725WBS01

Tot Ion:129 Resp: 163558

Ion Ratio Lower Upper

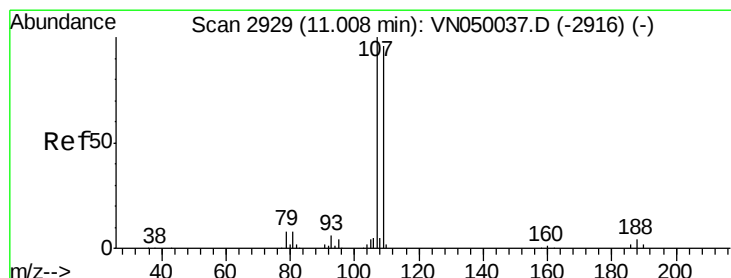
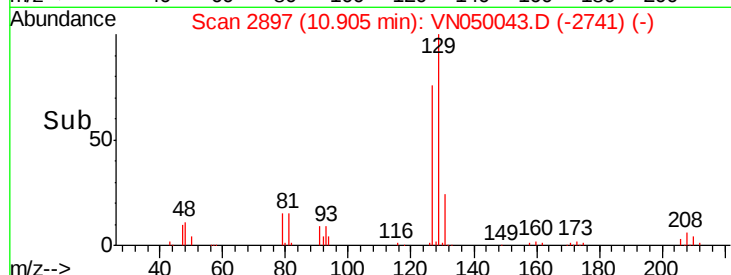
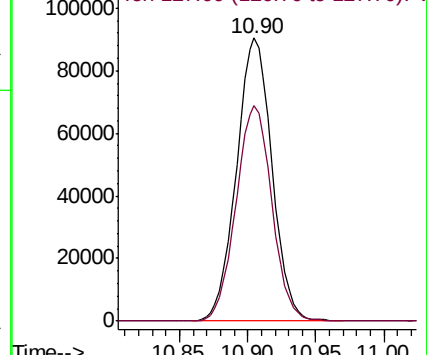
129 100

127 76.7 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.84 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050043.D

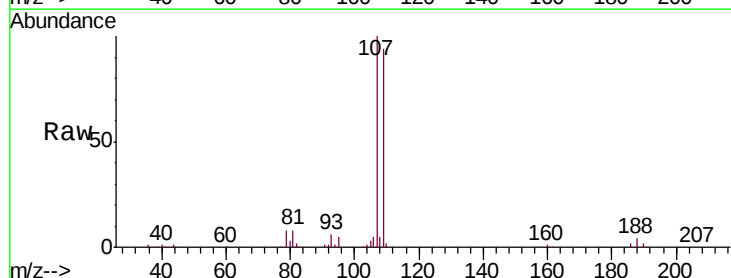
Acq: 25 Jul 2018 12:59

Tgt Ion:107 Resp: 144879

Ion Ratio Lower Upper

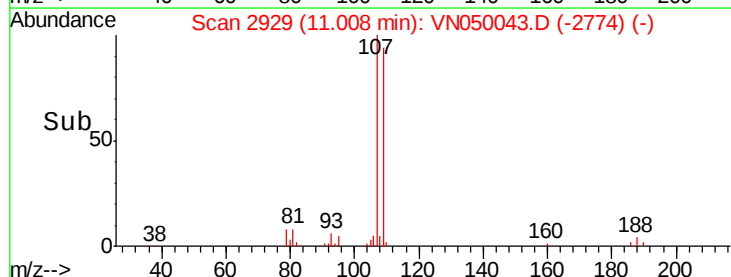
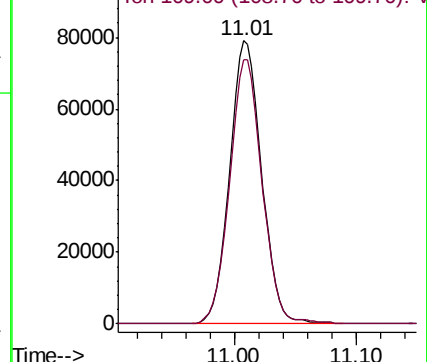
107 100

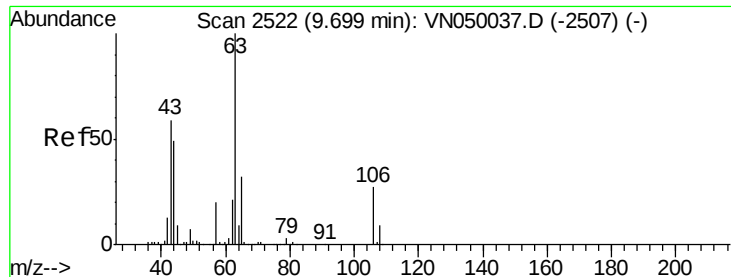
109 93.8 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

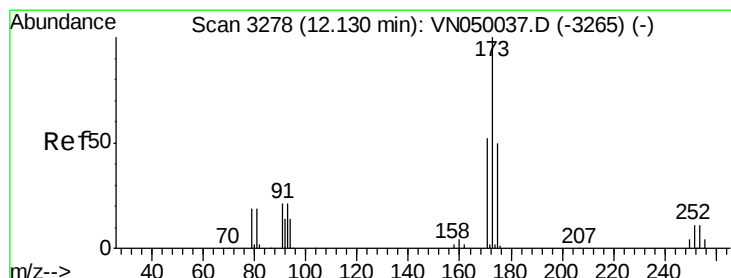
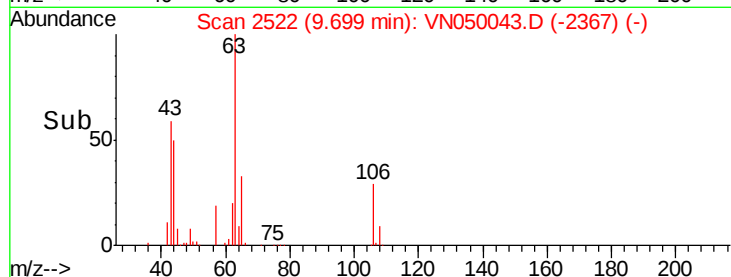
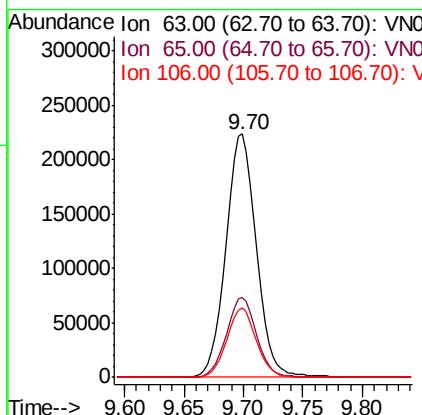
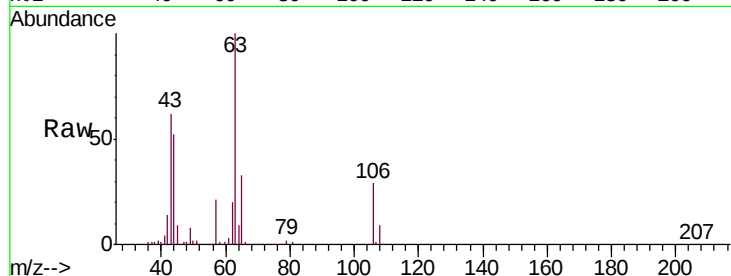




#55
 2-Chloroethyl vinyl ether
 Concen: 91.91 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

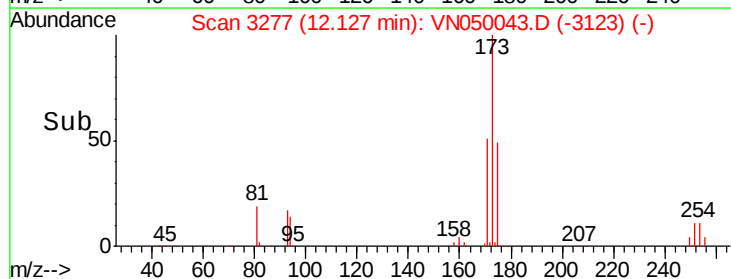
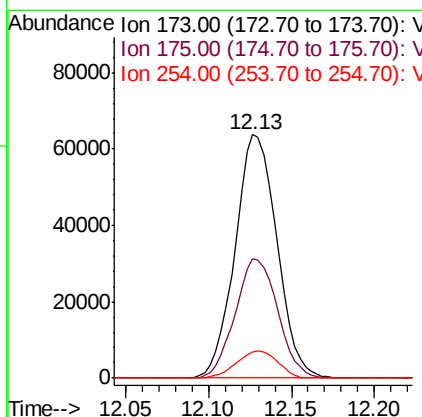
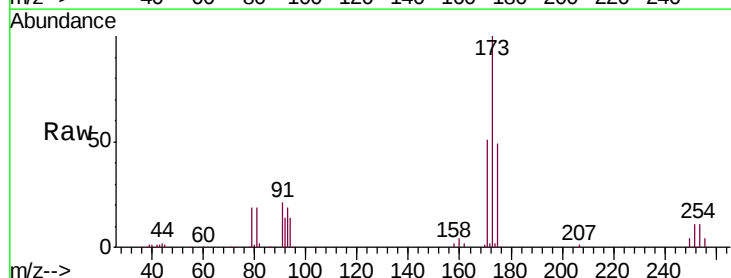
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

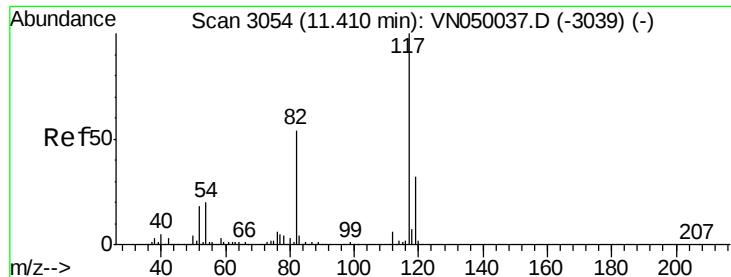
Tot Ion	63	Resp	396362
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	27.7	21.8	32.6



#56
 Bromoform
 Concen: 17.86 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	173	Resp	112344
Ion	Ratio	Lower	Upper
173	100		
175	49.6	38.6	57.8
254	10.9	8.8	13.2

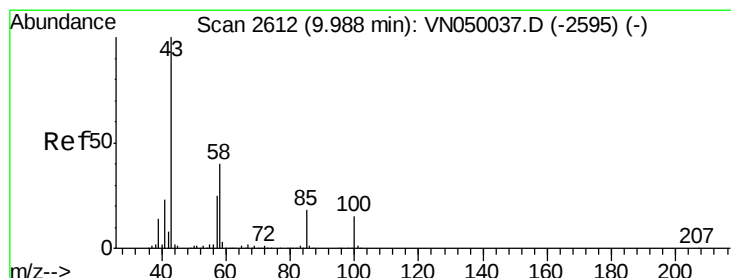
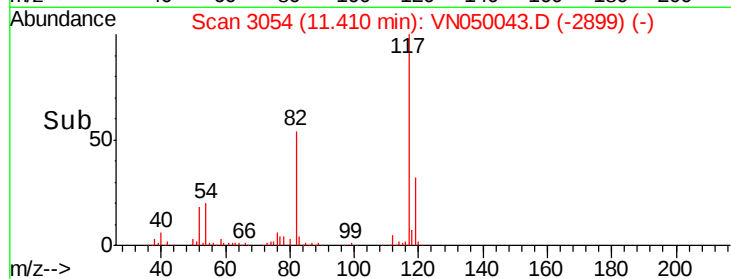
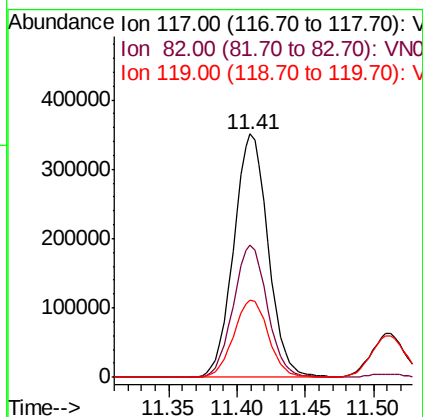
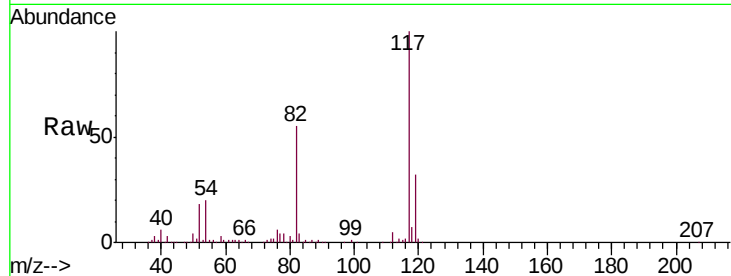




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

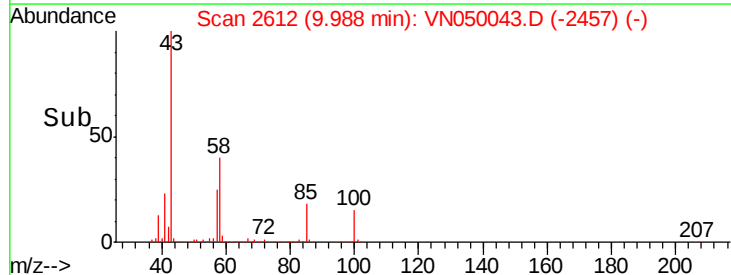
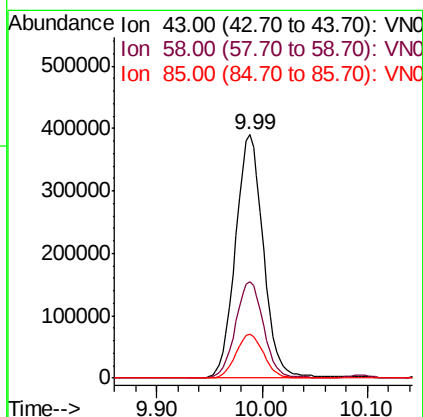
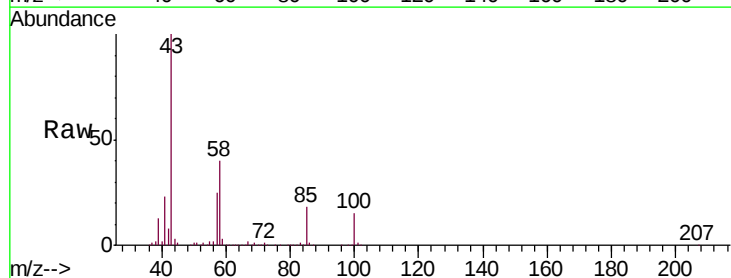
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

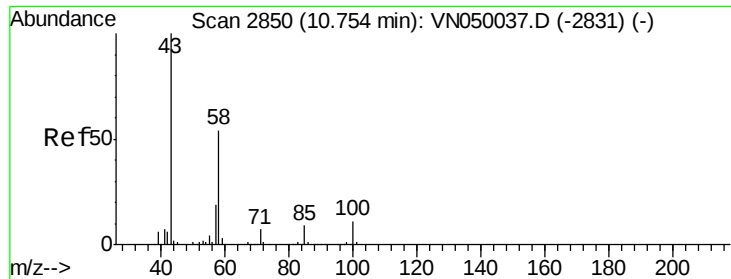
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.4	63.6
119	32.1	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 99.86 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.2	46.8
85	18.1	14.4	21.6

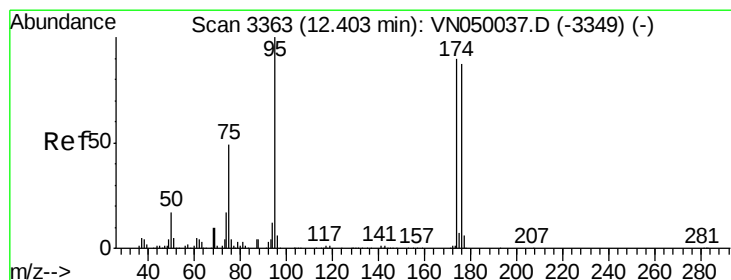
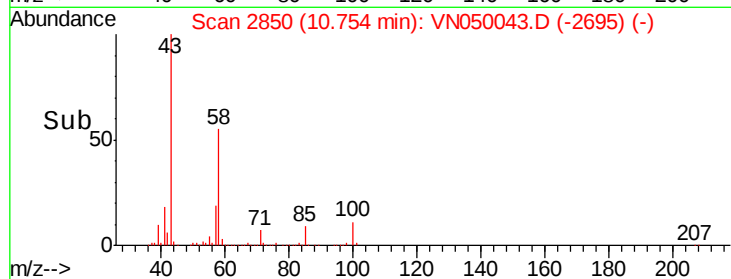
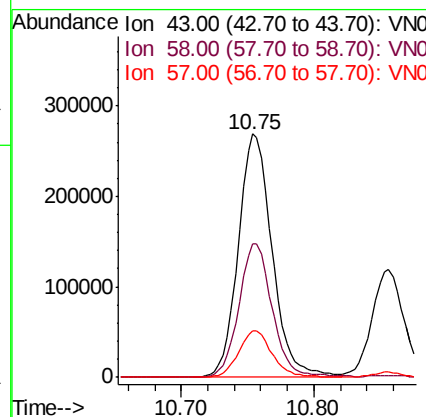
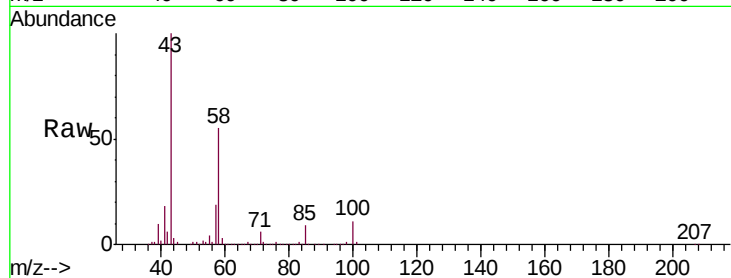




#59
2-Hexanone
Concen: 97.40 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

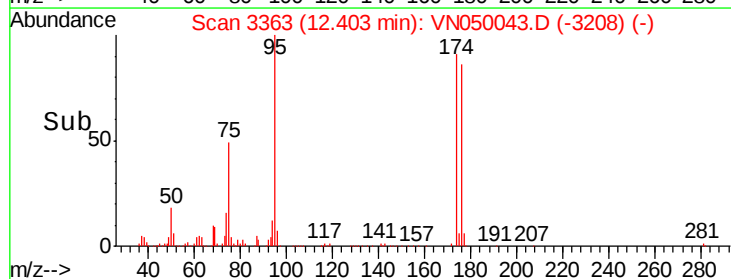
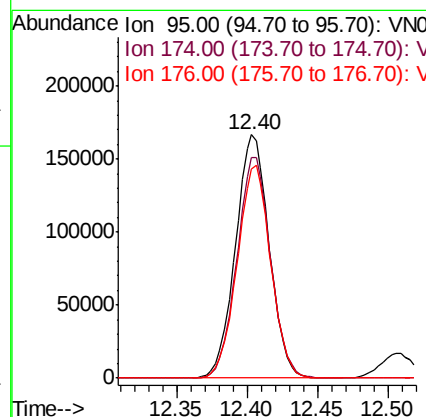
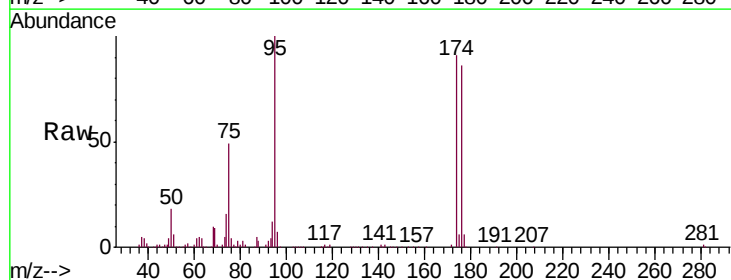
Instrument :
MSVOA_N
ClientSampled :
VN0725WBS01

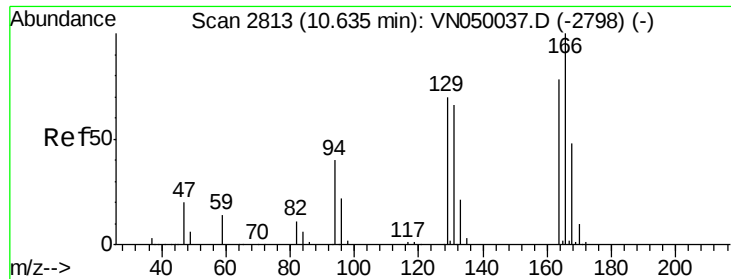
Tot Ion: 43 Resp: 474570
Ion Ratio Lower Upper
43 100
58 54.7 43.8 65.8
57 19.1 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 95 Resp: 278437
Ion Ratio Lower Upper
95 100
174 90.7 72.3 108.5
176 87.2 70.0 105.0





#61

Tetrachloroethene

Concen: 19.53 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

Tot Ion:164 Resp: 162393

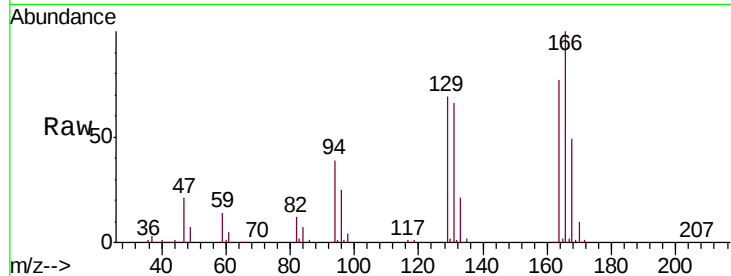
Ion Ratio Lower Upper

164 100

166 130.5 100.0 150.0

129 90.4 69.3 103.9

131 86.4 68.8 103.2

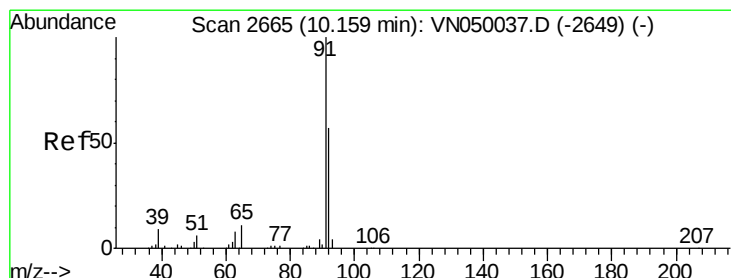
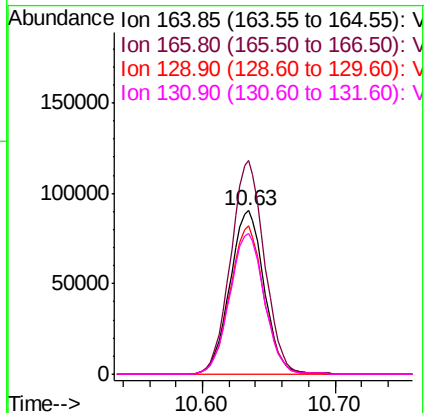
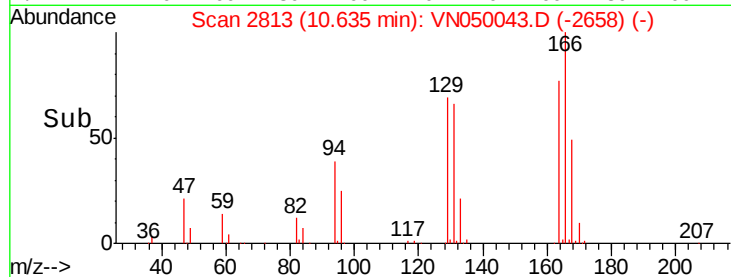


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.64 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050043.D

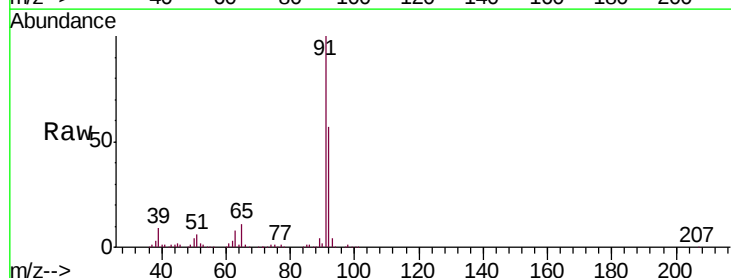
Acq: 25 Jul 2018 12:59

Tgt Ion: 91 Resp: 687806

Ion Ratio Lower Upper

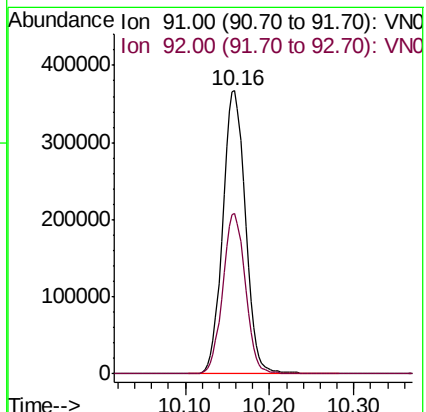
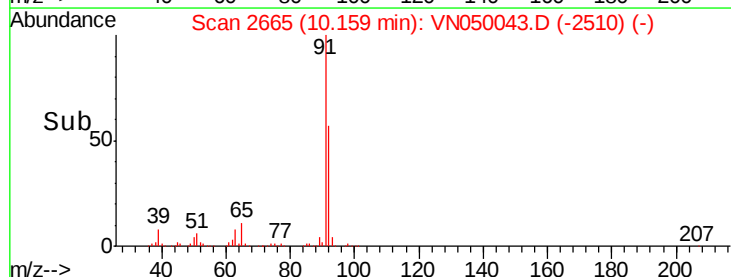
91 100

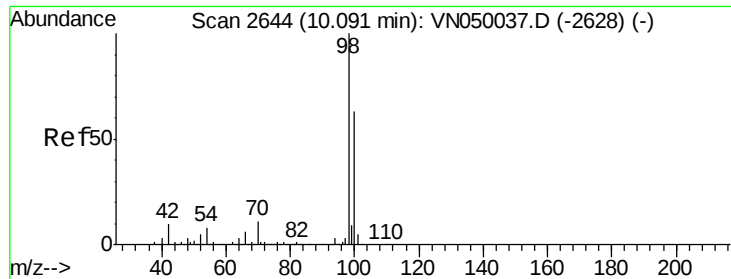
92 56.5 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.28 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

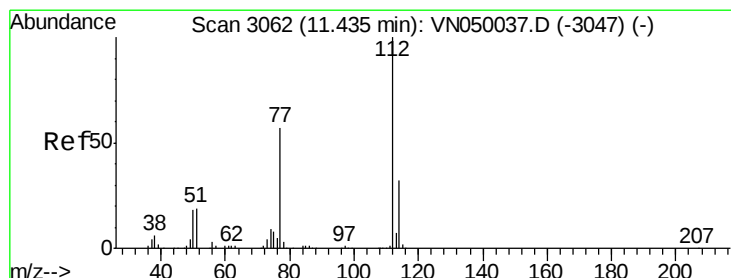
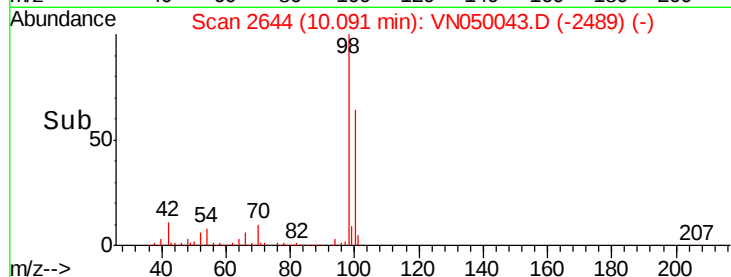
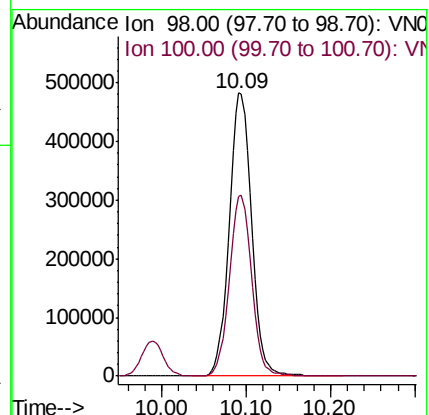
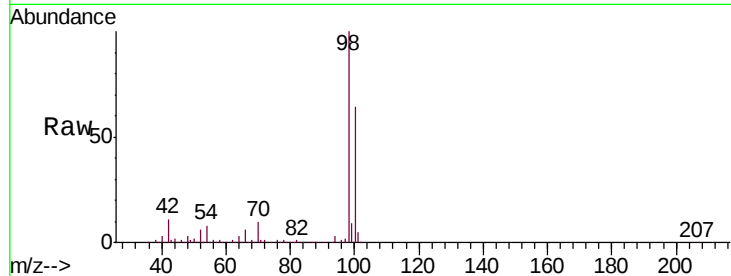
VN0725WBS01

Tot Ion: 98 Resp: 887728

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



#64

Chlorobenzene

Concen: 19.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050043.D

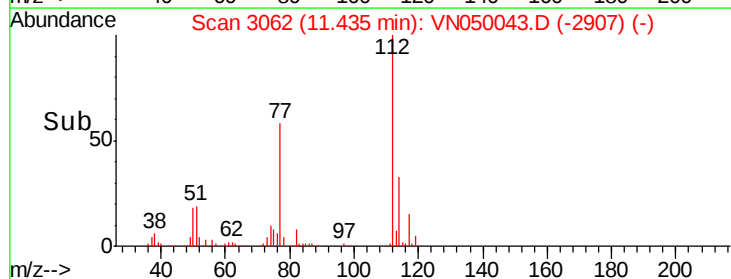
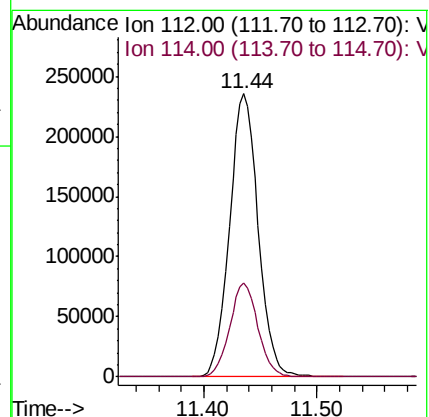
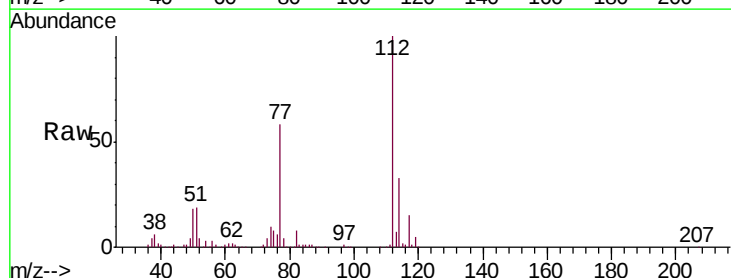
Acq: 25 Jul 2018 12:59

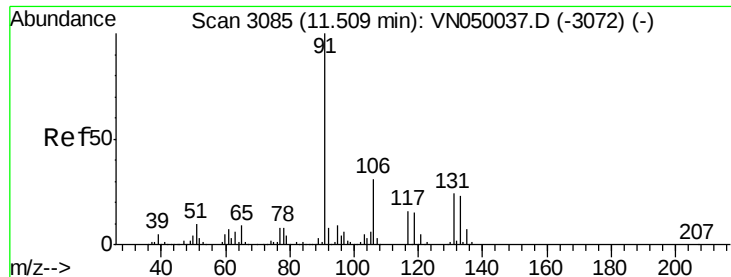
Tgt Ion: 112 Resp: 413596

Ion Ratio Lower Upper

112 100

114 33.0 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

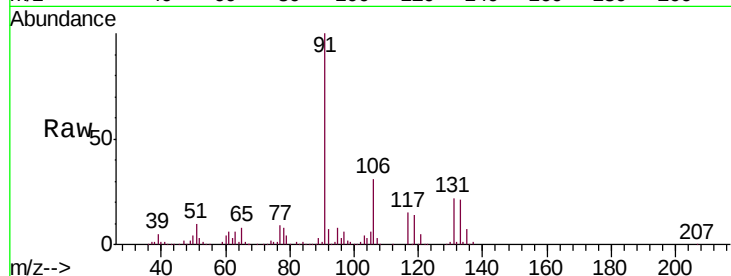
Tot Ion:131 Resp: 158655

Ion Ratio Lower Upper

131 100

133 95.7 0.0 190.0

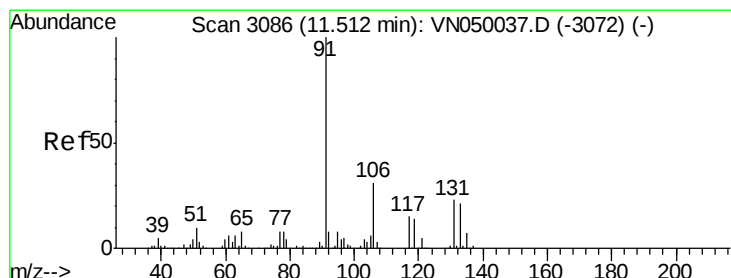
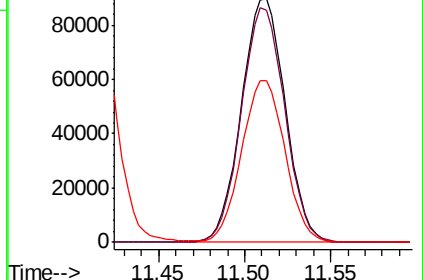
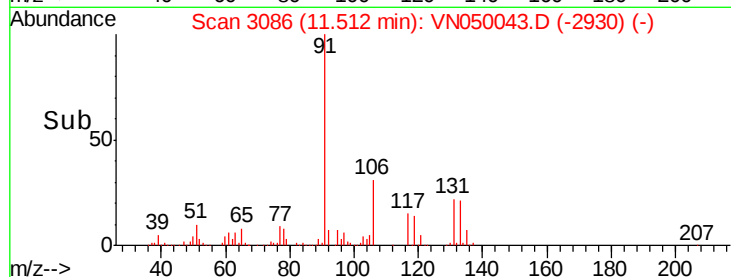
119 66.0 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.34 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050043.D

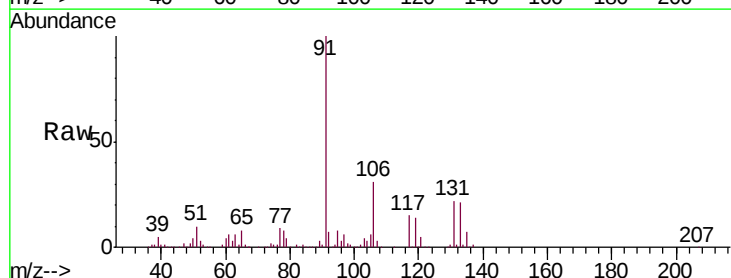
Acq: 25 Jul 2018 12:59

Tgt Ion: 91 Resp: 692070

Ion Ratio Lower Upper

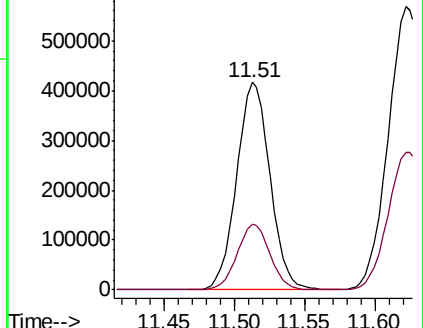
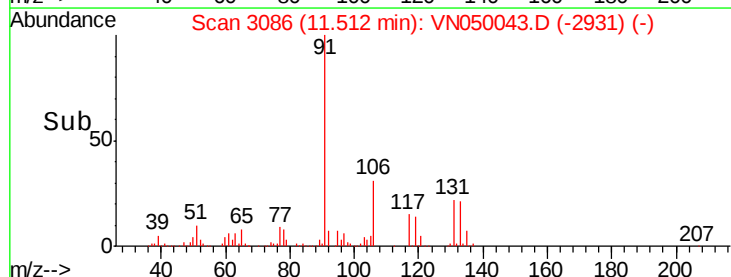
91 100

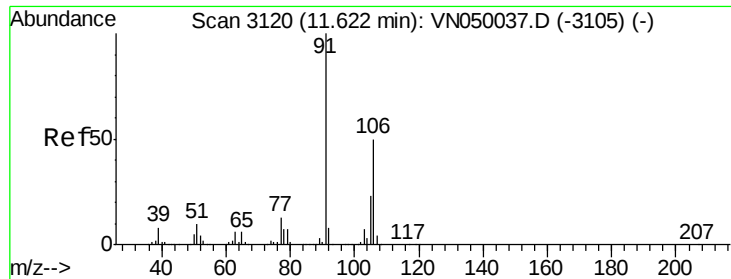
106 31.5 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.42 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

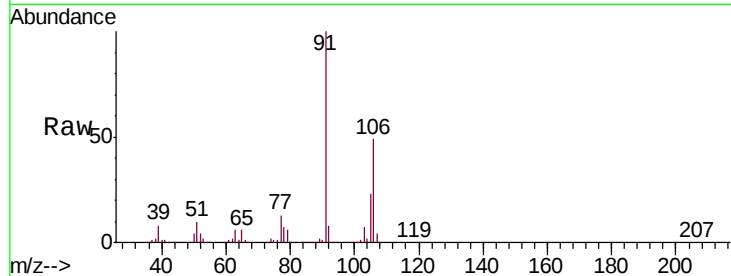
VN0725WBS01

Tot Ion:106 Resp: 542915

Ion Ratio Lower Upper

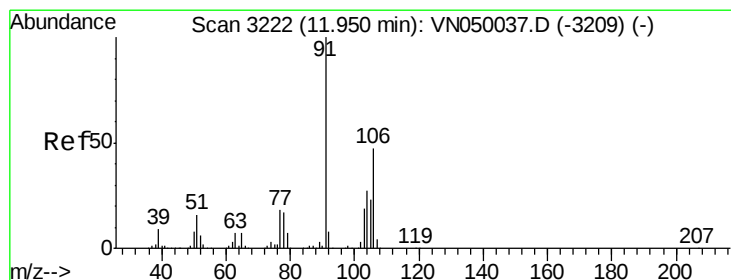
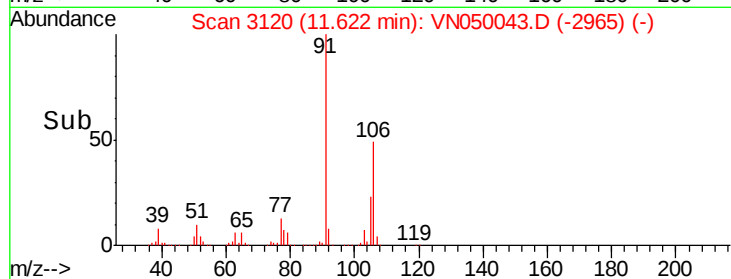
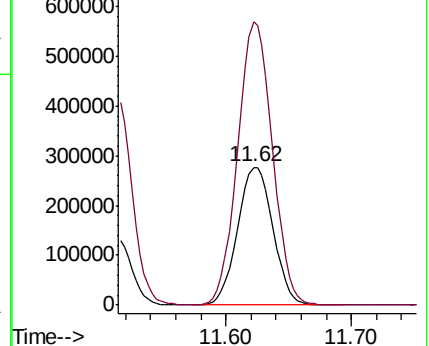
106 100

91 201.2 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.11 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050043.D

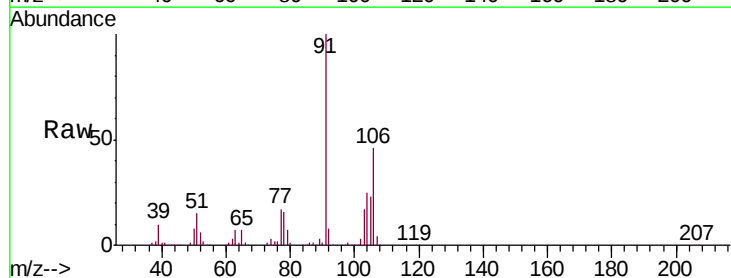
Acq: 25 Jul 2018 12:59

Tgt Ion:106 Resp: 250379

Ion Ratio Lower Upper

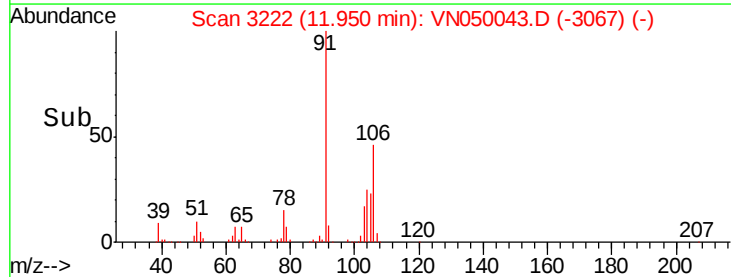
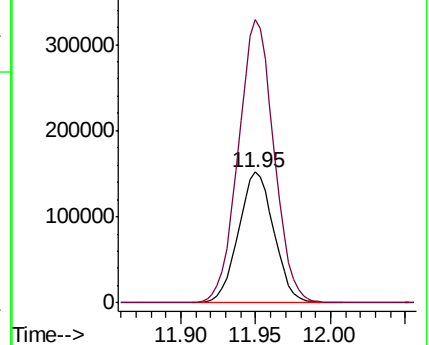
106 100

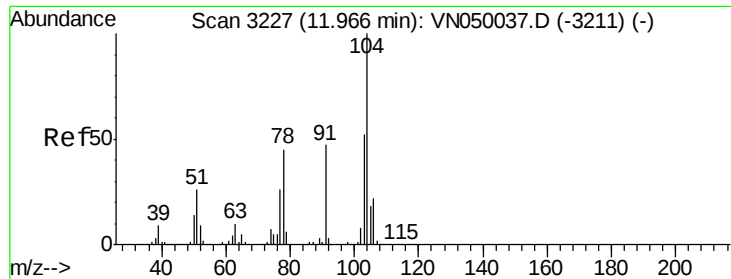
91 217.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

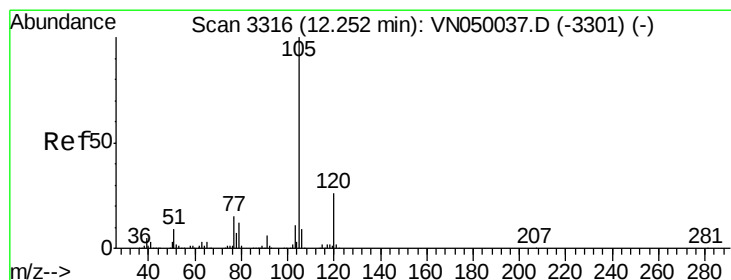
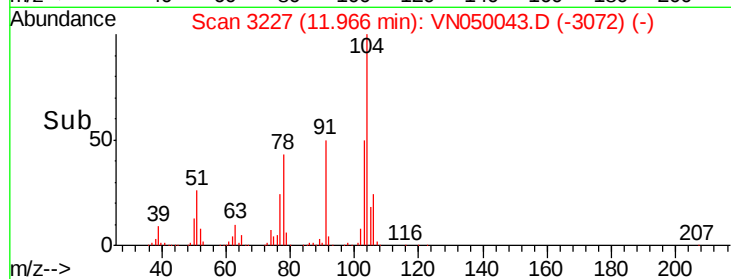
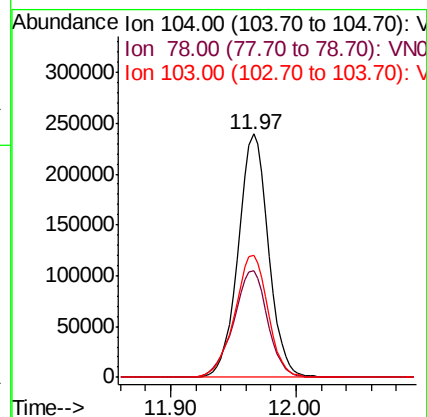
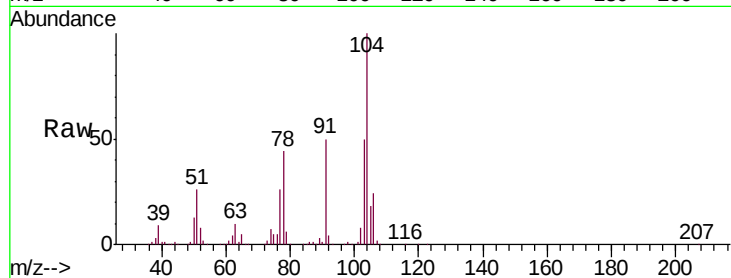




#69
Stvrene
Concen: 19.08 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

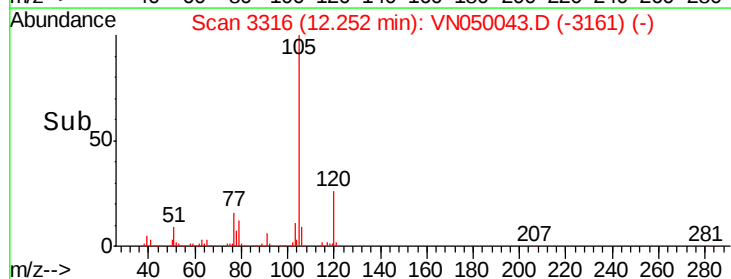
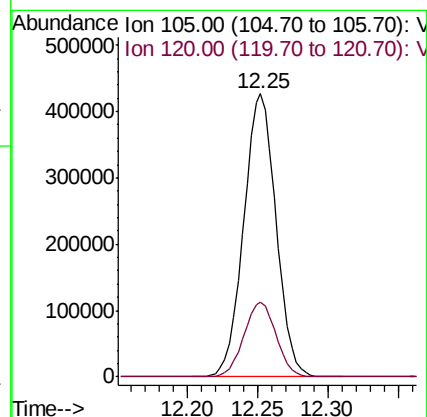
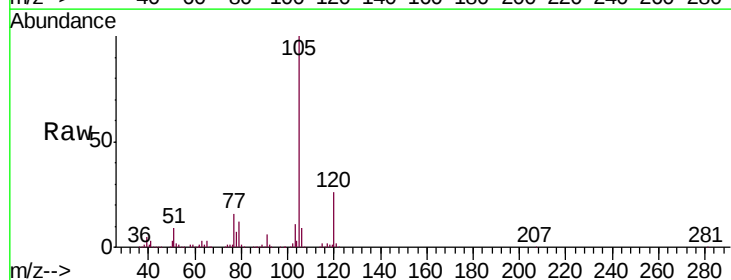
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

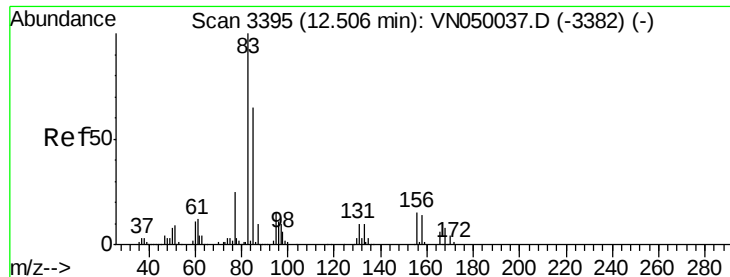
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.3	58.9
103	55.6	44.5	66.7



#70
Isopropylbenzene
Concen: 19.62 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.4	18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS01

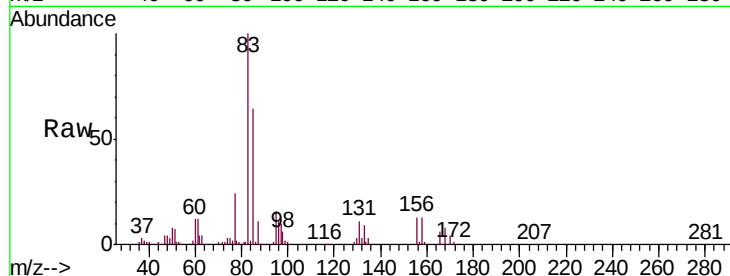
Tot Ion: 83 Resp: 184249

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

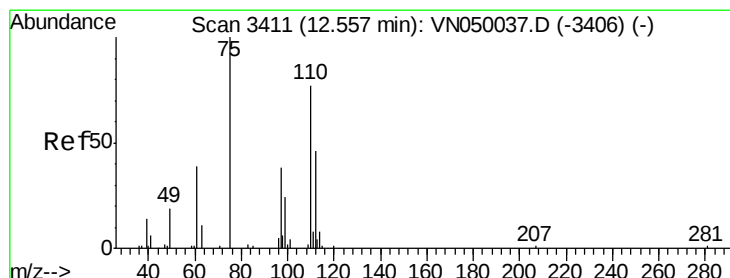
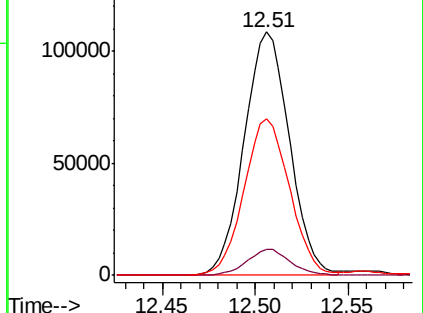
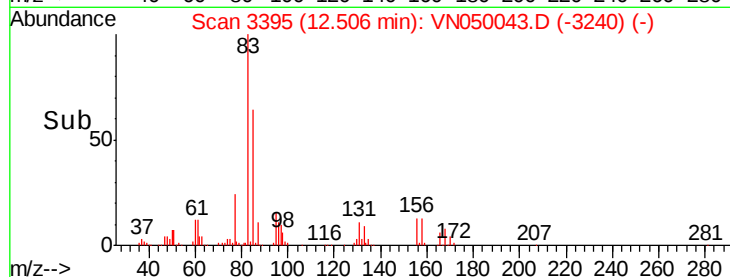
85 64.4 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 28.69 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050043.D

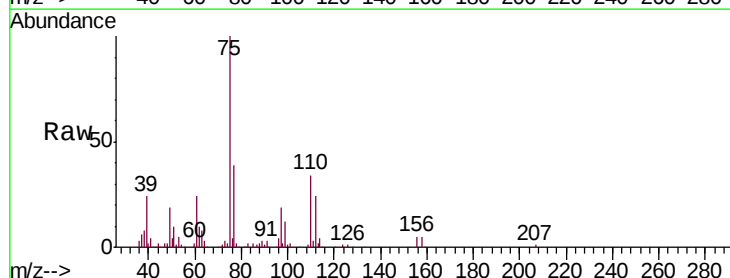
Acq: 25 Jul 2018 12:59

Tgt Ion: 75 Resp: 226721

Ion Ratio Lower Upper

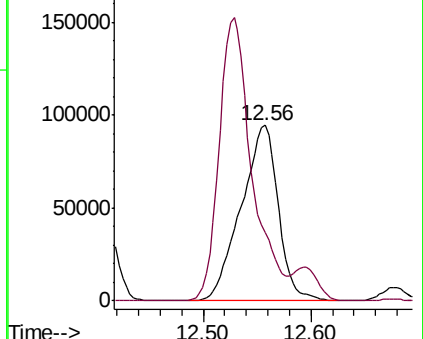
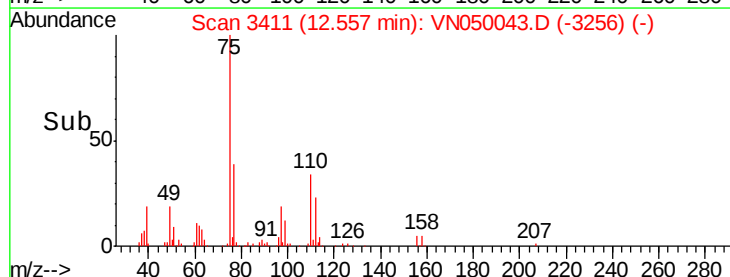
75 100

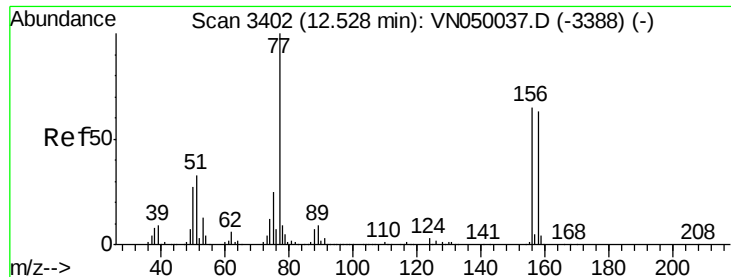
77 141.8 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.83 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

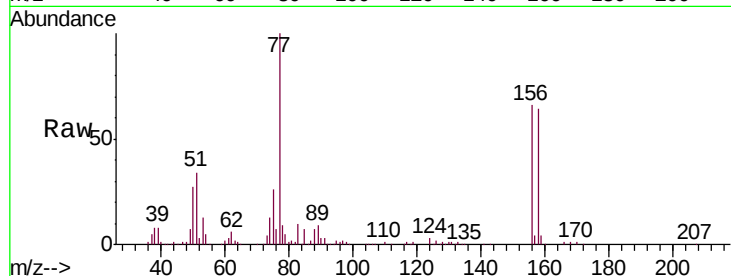
Tot Ion:156 Resp: 175015

Ion Ratio Lower Upper

156 100

77 183.6 0.0 359.8

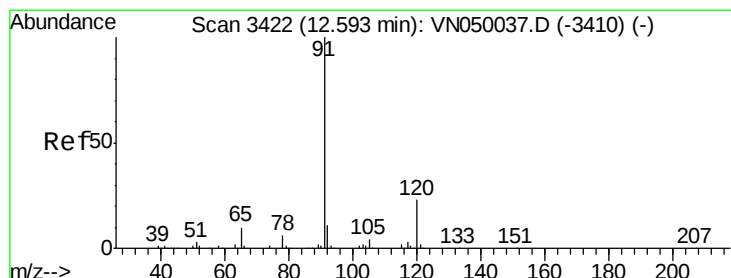
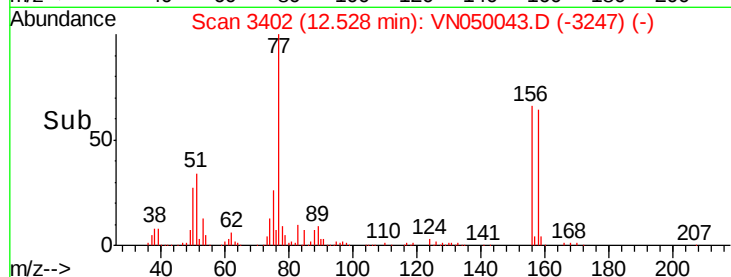
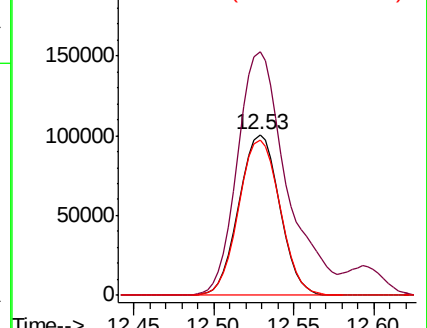
158 98.2 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.33 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050043.D

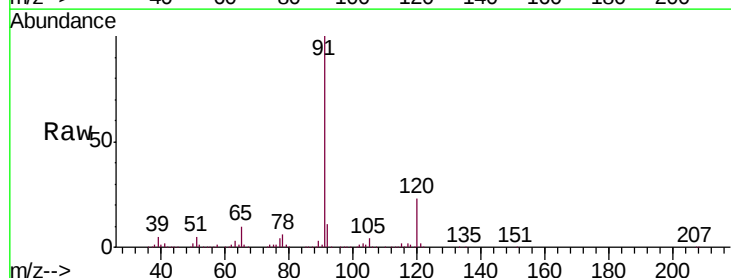
Acq: 25 Jul 2018 12:59

Tgt Ion: 91 Resp: 785579

Ion Ratio Lower Upper

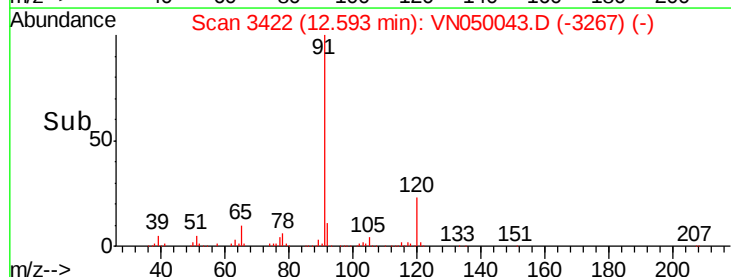
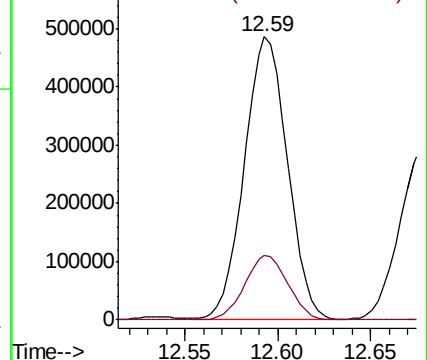
91 100

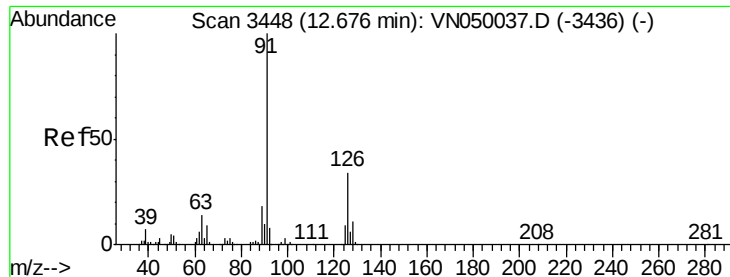
120 22.7 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.50 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

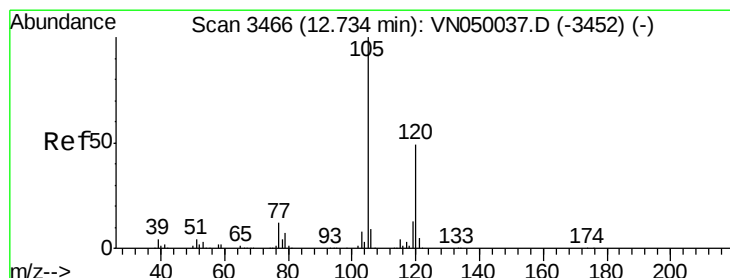
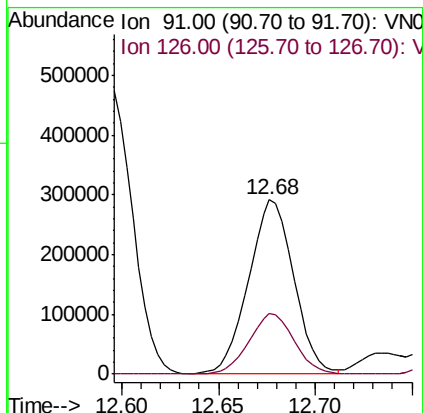
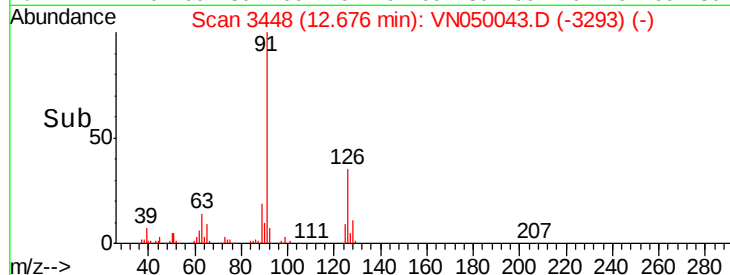
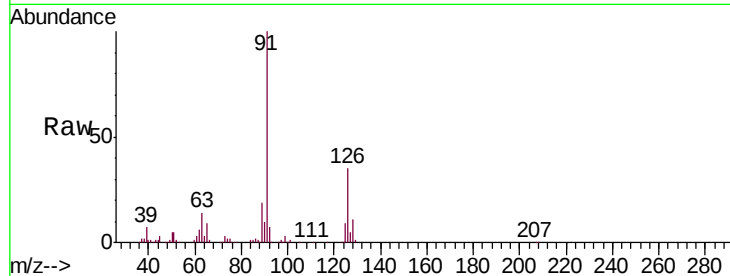
VN0725WBS01

Tot Ion: 91 Resp: 475996

Ion Ratio Lower Upper

91 100

126 34.7 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 19.69 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050043.D

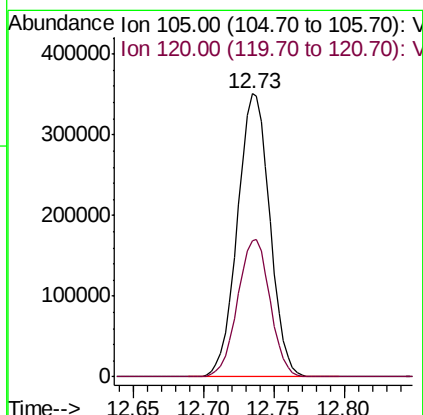
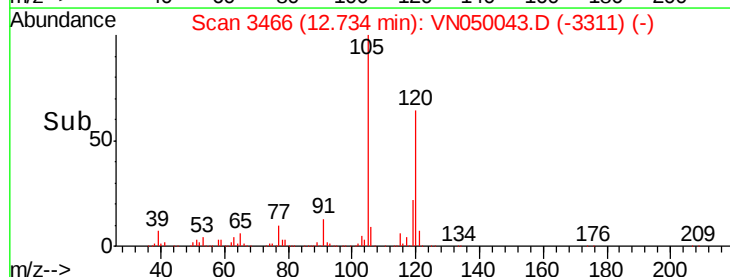
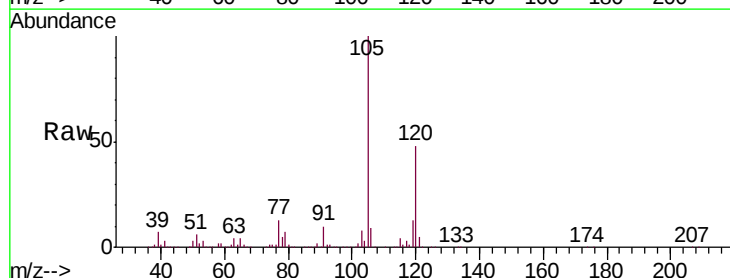
Acq: 25 Jul 2018 12:59

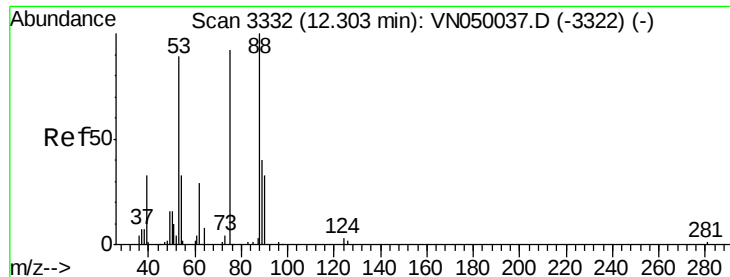
Tgt Ion: 105 Resp: 564489

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.06 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0725WBS01

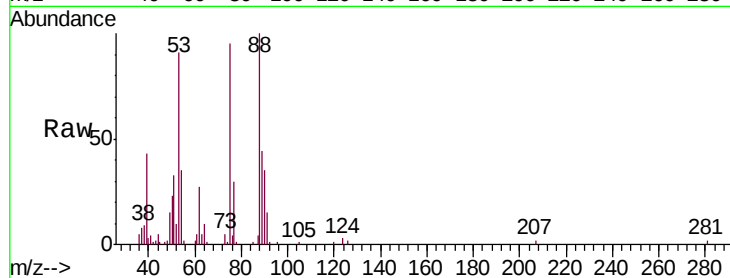
Tot Ion: 75 Resp: 48310

Ion Ratio Lower Upper

75 100

53 95.6 44.6 134.0

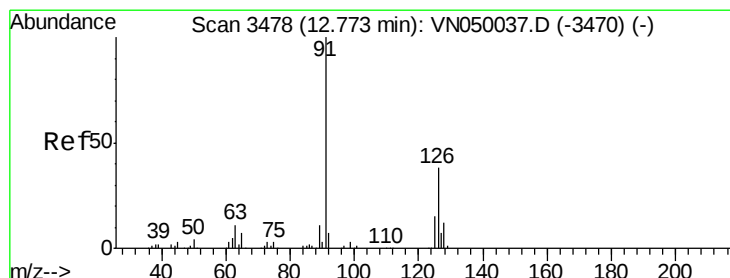
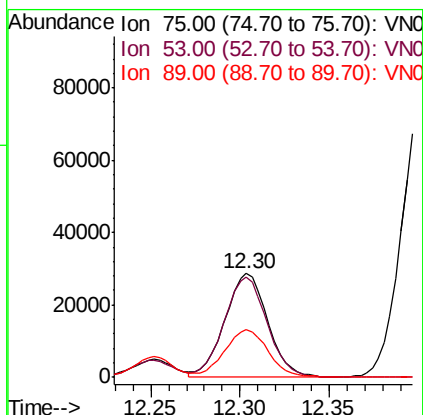
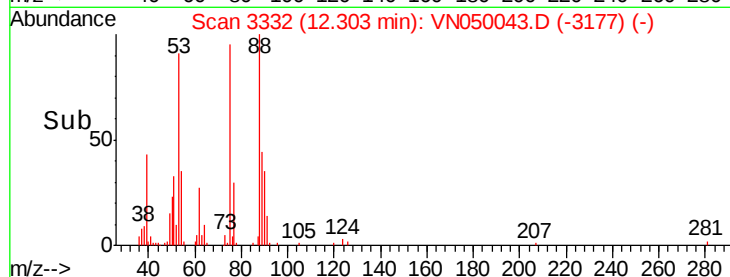
89 46.0 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.38 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050043.D

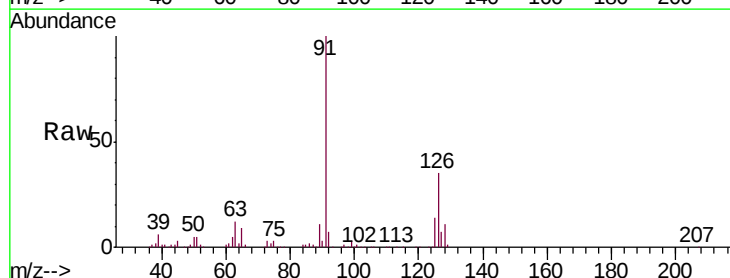
Acq: 25 Jul 2018 12:59

Tgt Ion: 91 Resp: 468940

Ion Ratio Lower Upper

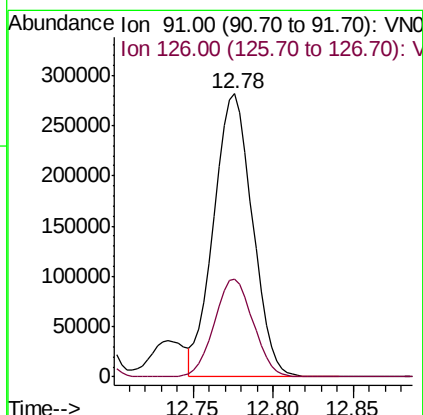
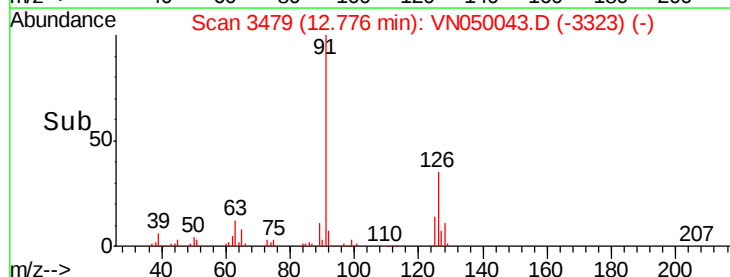
91 100

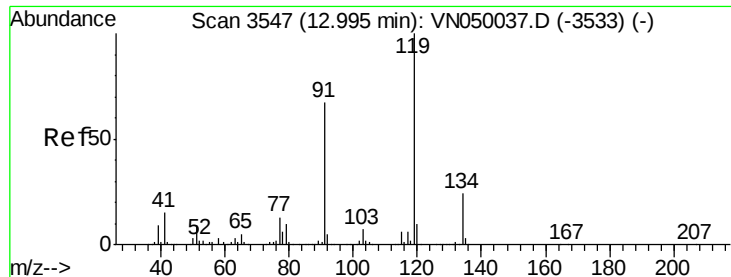
126 34.8 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

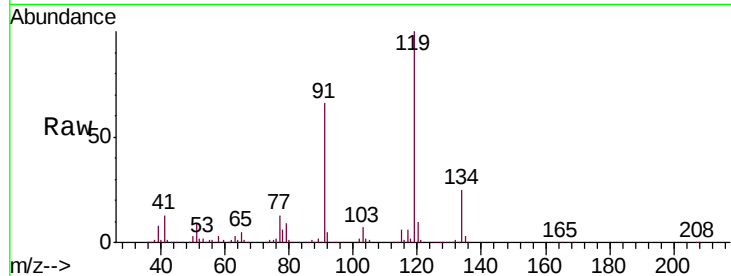




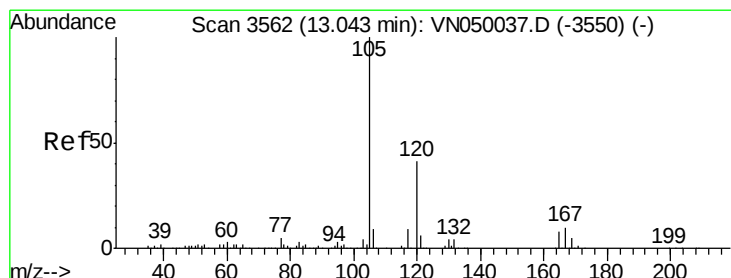
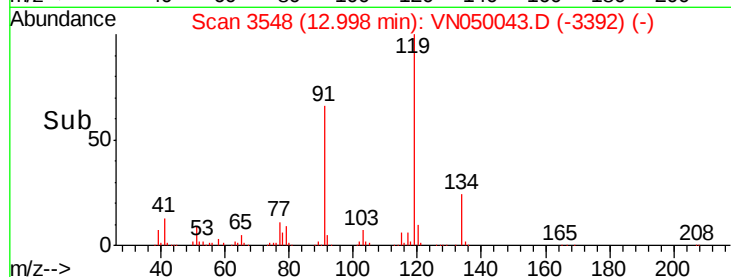
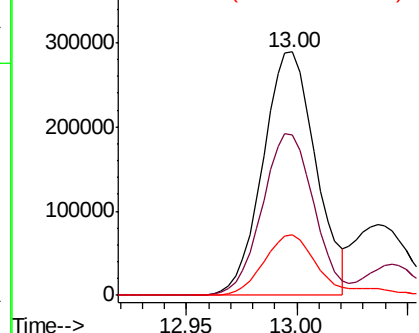
#79
tert-butylbenzene
Concen: 19.56 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0725WBS01

Tot Ion:119 Resp: 479463
Ion Ratio Lower Upper
119 100
91 65.1 0.0 126.8
134 24.6 0.0 47.4

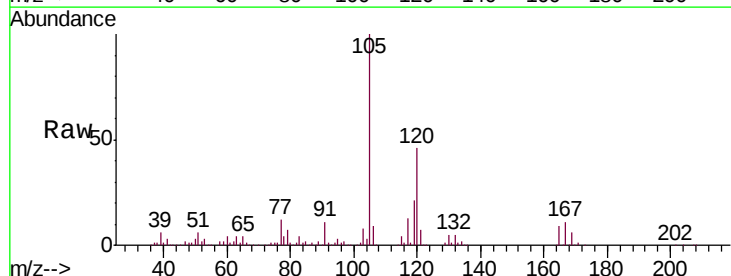


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

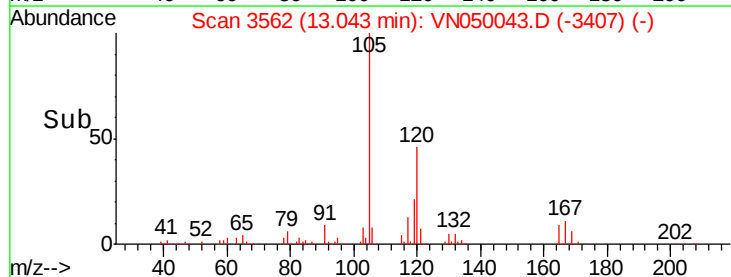
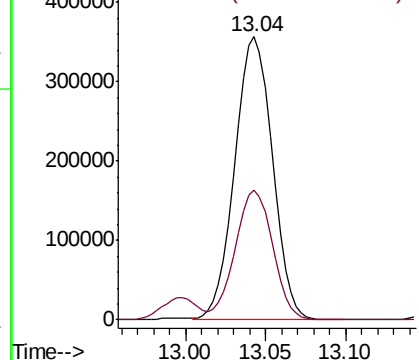


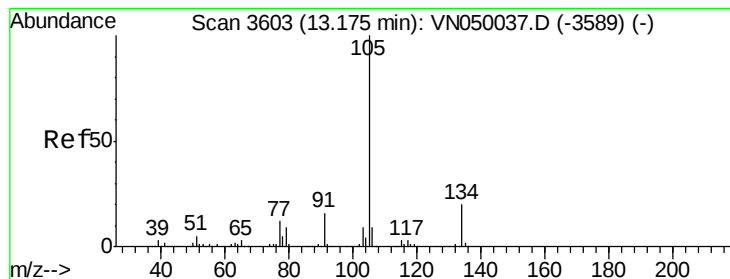
#80
1,2,4-Trimethylbenzene
Concen: 19.77 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion:105 Resp: 574214
Ion Ratio Lower Upper
105 100
120 45.7 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.57 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

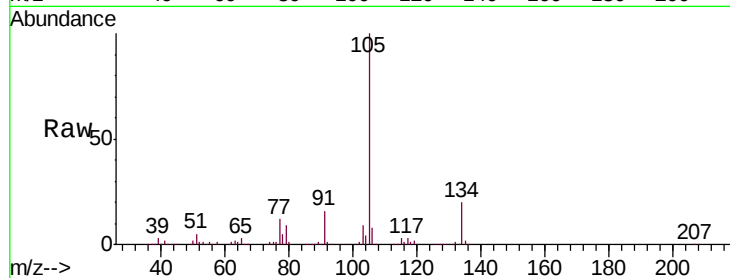
VN0725WBS01

Tot Ion:105 Resp: 651588

Ion Ratio Lower Upper

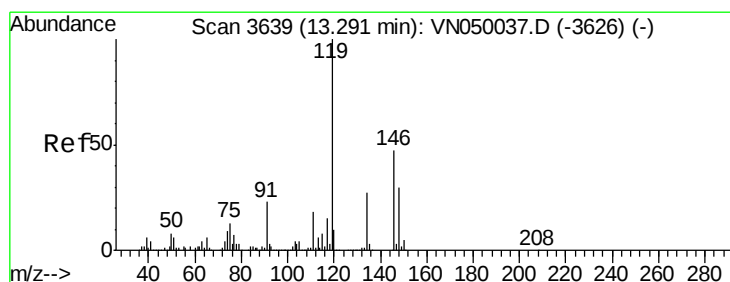
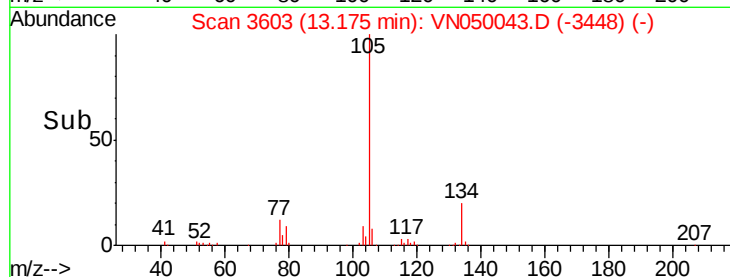
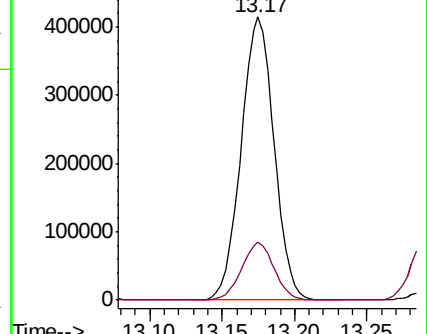
105 100

134 20.1 0.0 40.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.47 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

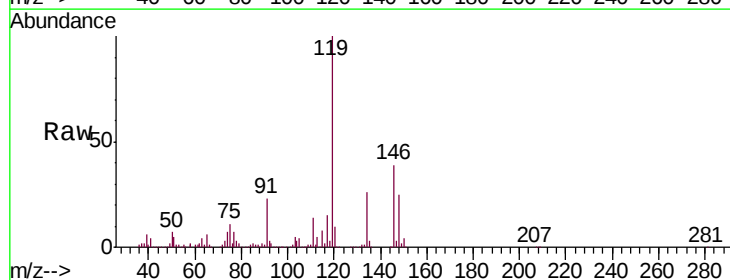
Tgt Ion:119 Resp: 552992

Ion Ratio Lower Upper

119 100

134 26.6 0.0 52.2

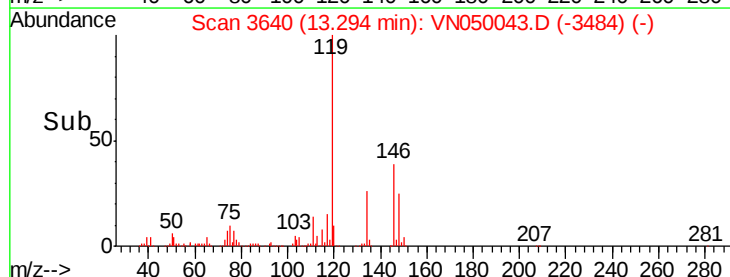
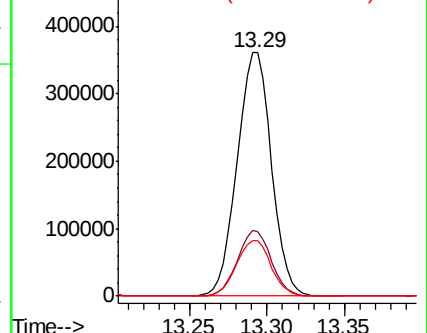
91 23.3 0.0 45.6



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

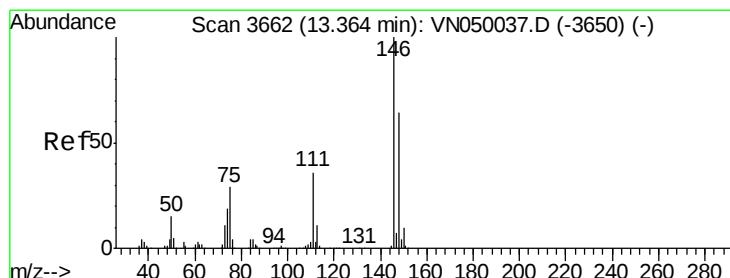
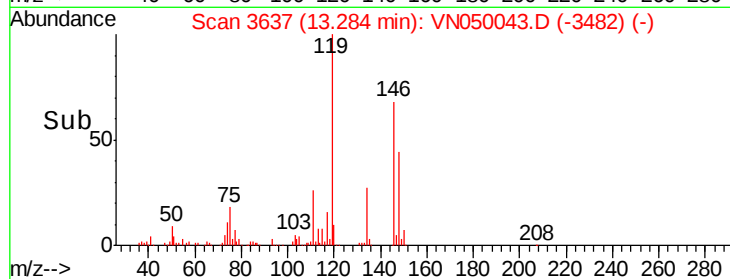
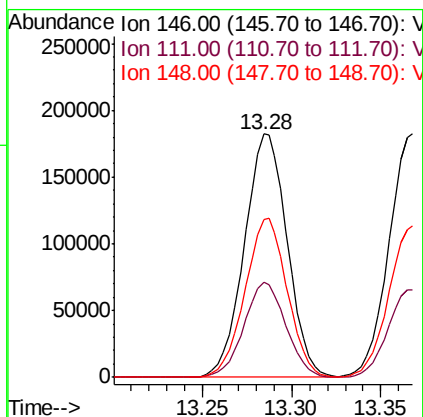
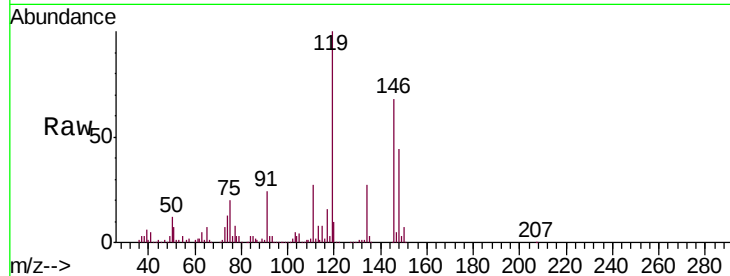




#83
 1,3-Dichlorobenzene
 Concen: 18.88 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

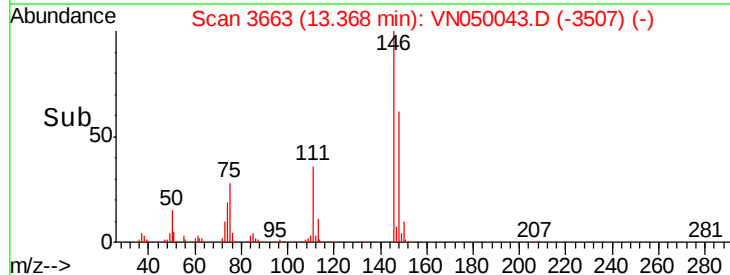
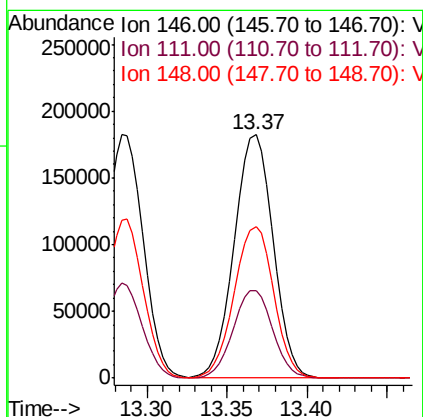
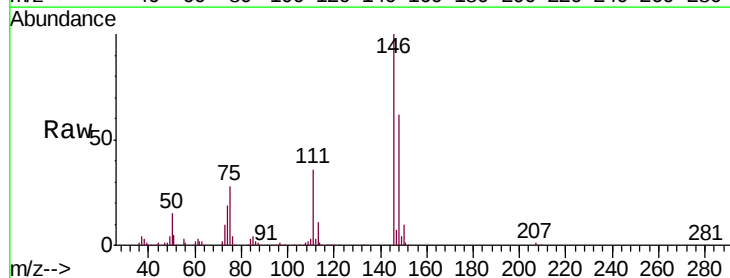
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

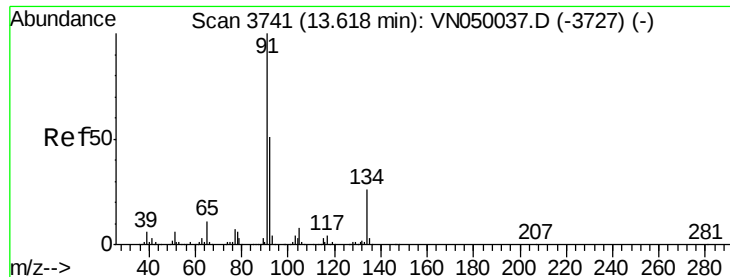
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.4	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.82 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	17.9	53.8
148	63.1	32.4	97.0

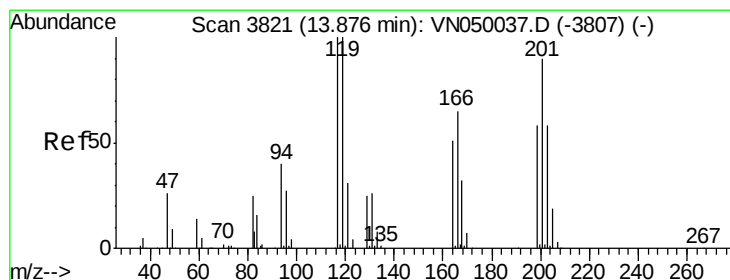
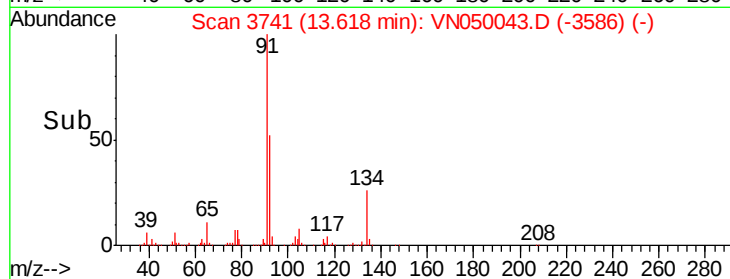
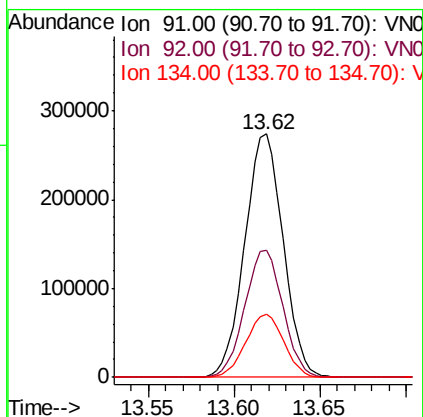
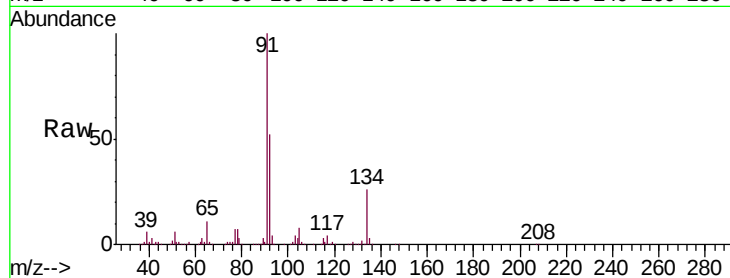




#85
n-Butylbenzene
Concen: 18.41 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

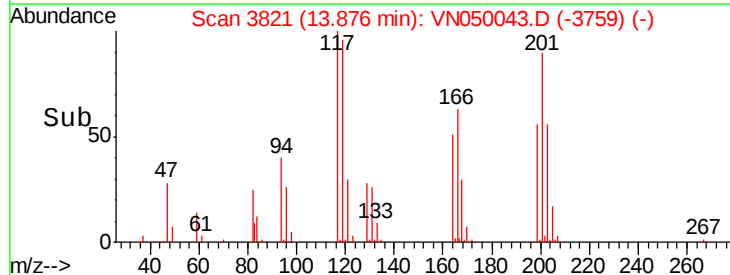
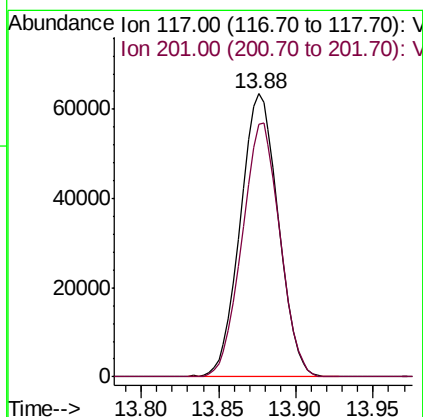
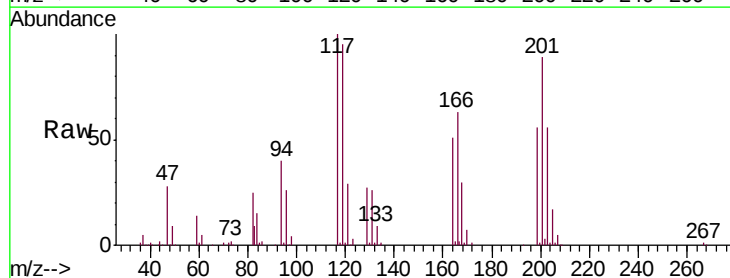
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBS01

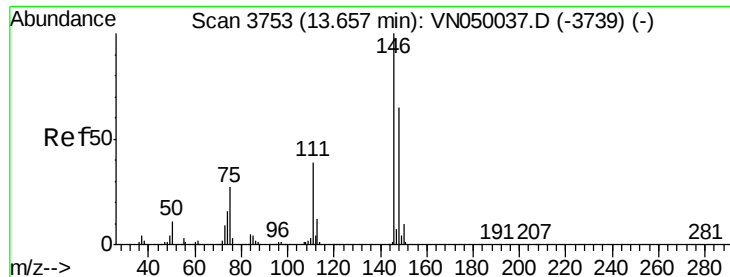
Tot Ion: 91 Resp: 424323
Ion Ratio Lower Upper
91 100
92 51.8 0.0 102.8
134 25.7 0.0 51.0



#86
Hexachloroethane
Concen: 19.19 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050043.D
Acq: 25 Jul 2018 12:59

Tgt Ion: 117 Resp: 108944
Ion Ratio Lower Upper
117 100
201 88.8 46.6 139.7





#87

1,2-Dichlorobenzene

Concen: 19.65 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

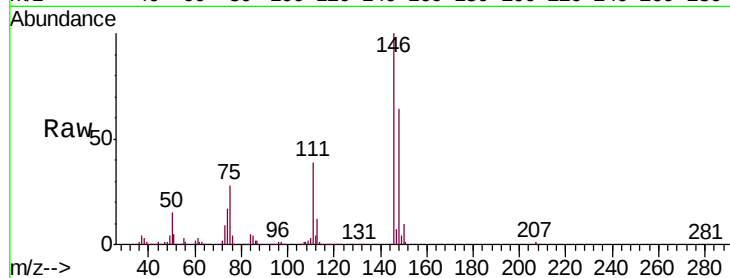
Tot Ion:146 Resp: 310961

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

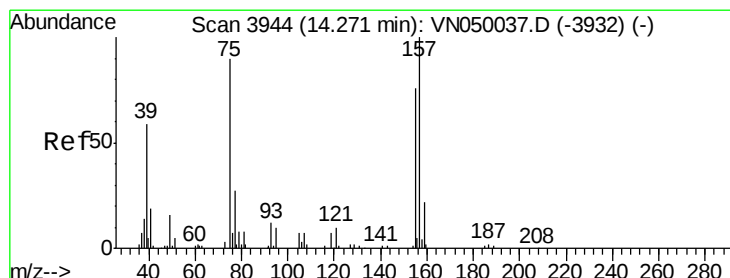
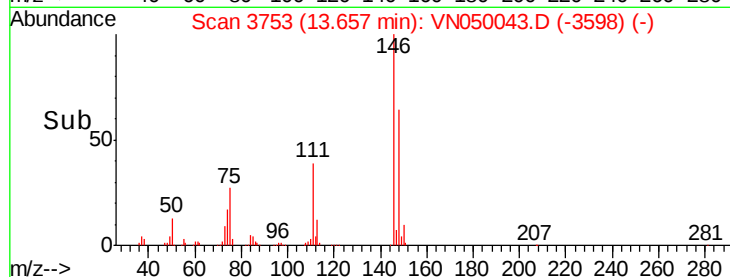
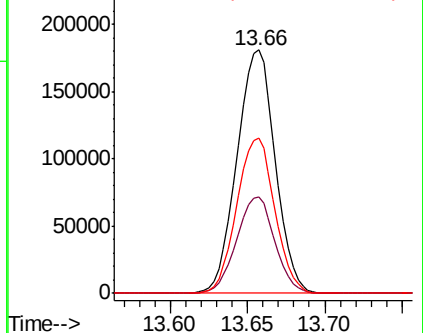
148 63.2 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.82 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

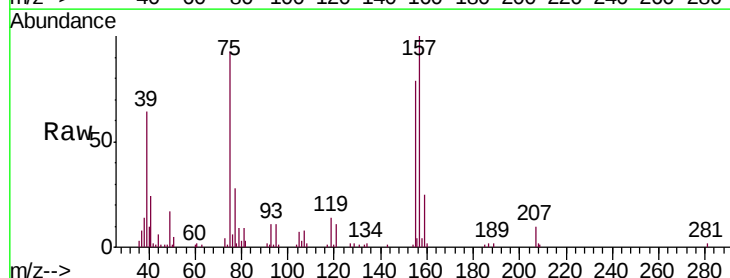
Tgt Ion: 75 Resp: 29590

Ion Ratio Lower Upper

75 100

155 87.8 73.0 109.6

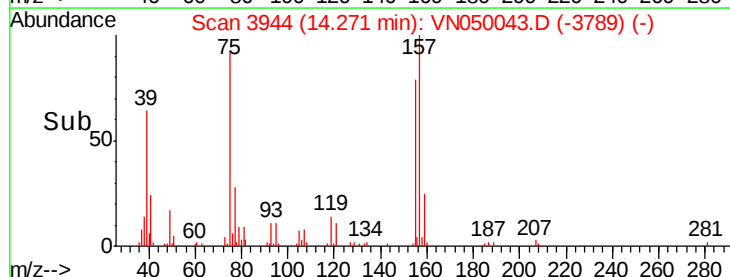
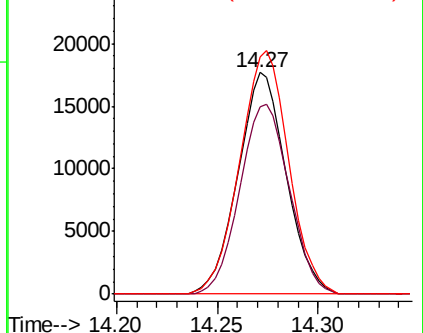
157 111.2 94.9 142.3

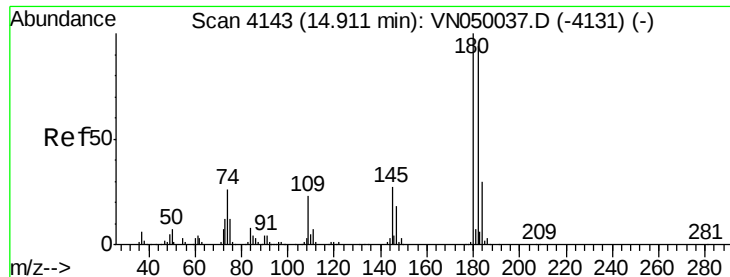


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

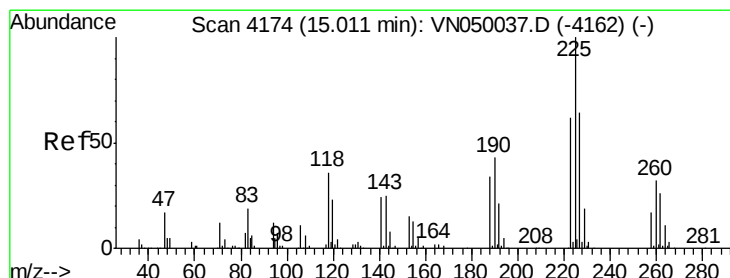
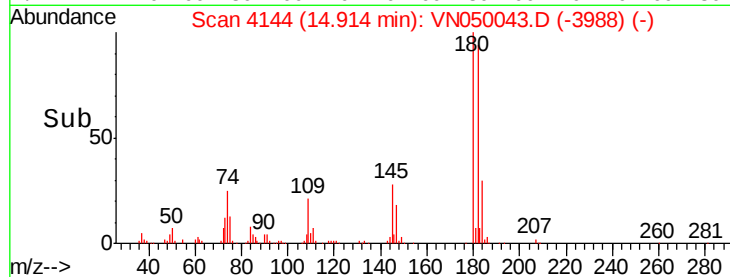
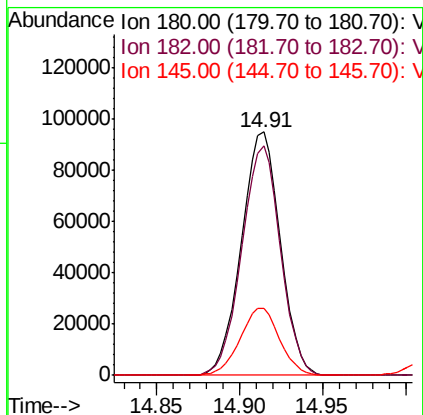
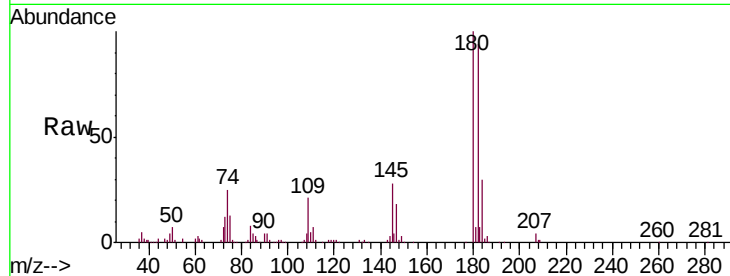




#89
 1,2,4-Trichlorobenzene
 Concen: 20.54 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

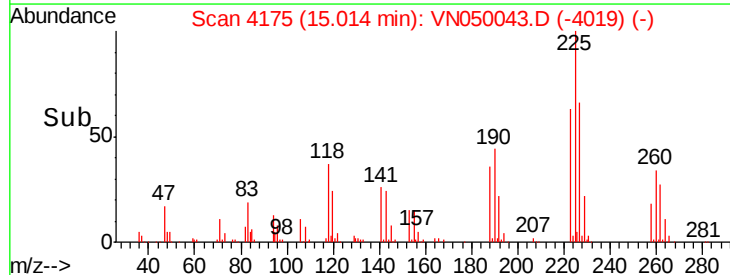
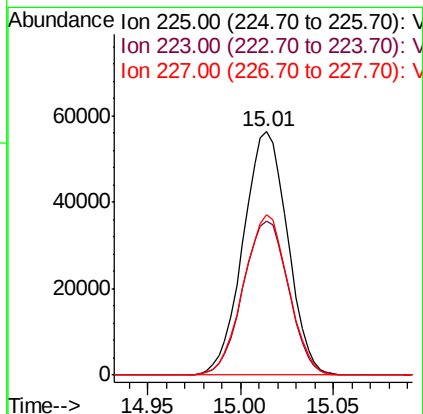
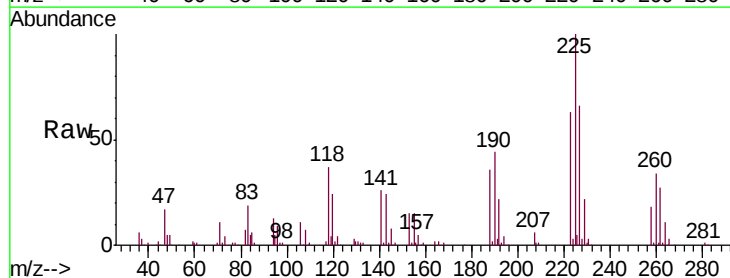
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBS01

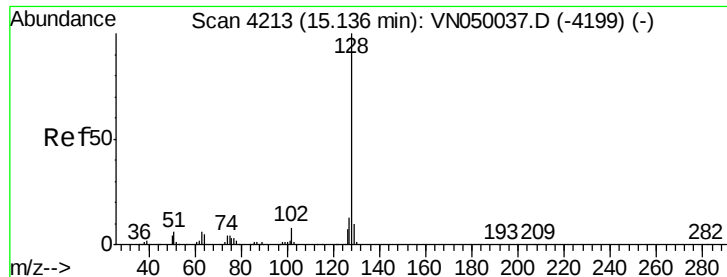
Tot Ion:180 Resp: 155216
 Ion Ratio Lower Upper
 180 100
 182 93.7 76.7 115.1
 145 28.0 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 18.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050043.D
 Acq: 25 Jul 2018 12:59

Tgt Ion:225 Resp: 93685
 Ion Ratio Lower Upper
 225 100
 223 64.7 0.0 124.4
 227 66.3 0.0 133.0





#91

Naphthalene

Concen: 22.14 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBS01

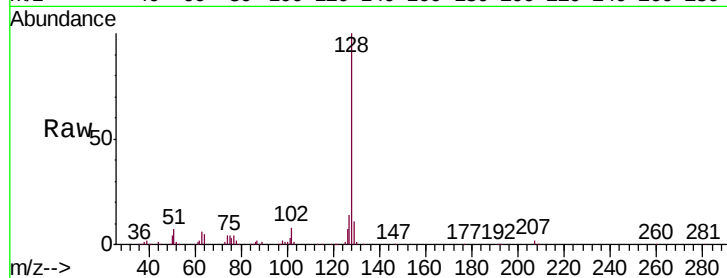
Tot Ion:128 Resp: 343532

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

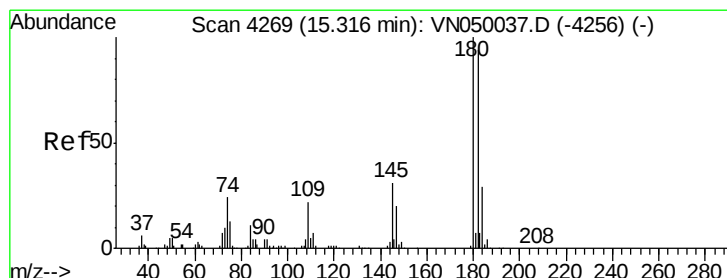
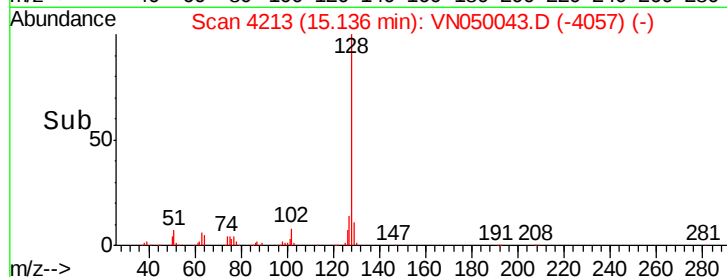
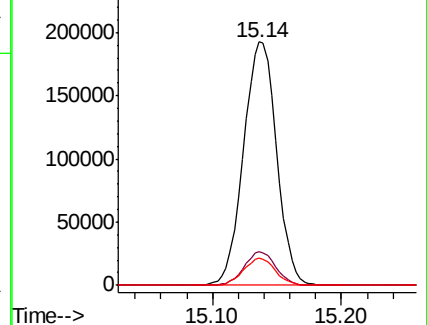
129 10.7 9.0 13.4



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



#92

1,2,3-Trichlorobenzene

Concen: 18.56 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050043.D

Acq: 25 Jul 2018 12:59

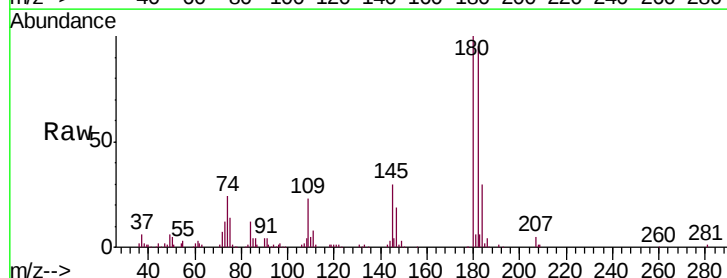
Tgt Ion:180 Resp: 142662

Ion Ratio Lower Upper

180 100

182 95.0 0.0 188.8

145 29.6 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

