

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050902.D
 Acq On : 27 Aug 2018 18:14
 Operator : MD\SY
 Sample : VN0827WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

Quant Time: Aug 28 01:57:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	114047	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	609406	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	533829	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226247	29.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.30%
60) 4-Bromofluorobenzene	12.40	95	242728	29.60	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.67%
63) Toluene-d8	10.09	98	767305	30.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.30%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	173124	22.03	ug/l	97
3) Chloromethane	2.06	50	191205	23.60	ug/l	100
4) Vinyl Chloride	2.18	62	186694	21.64	ug/l	98
5) Bromomethane	2.56	94	109220	20.77	ug/l	98
6) Chloroethane	2.70	64	108275	21.22	ug/l	100
7) Trichlorofluoromethane	3.01	101	248639	22.06	ug/l	100
8) Diethyl Ether	3.41	74	84954	22.47	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153076	22.32	ug/l	99
10) 1,1-Dichloroethene	3.73	96	135978	22.36	ug/l	92
11) Methyl Iodide	3.95	142	109726	12.26	ug/l	97
12) Methyl Acetate	4.33	43	163288	23.44	ug/l	99
13) Acrolein	3.61	56	22907	53.21	ug/l	99
14) Acrylonitrile	5.00	53	259903	111.82	ug/l	98
15) Acetone	3.82	58	69256	112.12	ug/l	90
16) Carbon Disulfide	4.05	76	412415	22.16	ug/l	100
17) Allyl chloride	4.33	41	209330	21.80	ug/l	95
18) Methylene Chloride	4.55	84	165984	23.66	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	145235	22.31	ug/l	98
20) Diisopropyl ether	5.96	45	456333	23.18	ug/l	97
21) 1,1-Dichloroethane	5.85	63	273668	22.10	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	160038	22.17	ug/l	99
23) tert-Butyl Alcohol	4.80	59	56740	109.25	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	372021	22.43	ug/l	98
25) Chloroform	7.37	83	280412	22.37	ug/l	97
26) Cyclohexane	7.66	56	221745	22.54	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	203527	21.52	ug/l	100
30) 2-Butanone	6.84	43	299820	101.03	ug/l	99
31) 2,2-Dichloropropane	6.83	77	217892	20.84	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	235954	21.20	ug/l	99
33) Carbon Tetrachloride	7.78	117	209290	21.09	ug/l	98
34) Benzene	8.04	78	629537	21.92	ug/l	98
35) Methacrylonitrile	7.18	41	54009	15.98	ug/l	97
36) 1,2-Dichloroethane	8.13	62	193850	20.56	ug/l	100
37) Trichloroethene	8.84	130	163575	21.71	ug/l	97
38) Methylcyclohexane	9.08	83	207231	20.78	ug/l	100
39) 1,2-Dichloropropane	9.12	63	166872	22.05	ug/l	98
40) Dibromomethane	9.21	93	99792	21.34	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	207546	21.04	ug/l	98
42) Vinyl Acetate	5.90	43	1432149	102.55	ug/l	100
43) Ethyl Acetate	6.94	43	129886	20.96	ug/l	96
44) Isopropyl Acetate	8.17	43	233817	20.37	ug/l	99
45) 1,4-Dioxane	9.20	88	31949	422.92	ug/l	95
46) Methyl methacrylate	9.20	41	112153	20.15	ug/l	95
47) n-amyl Acetate	12.07	43	169056	18.93	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	197135	20.97	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	233243	21.11	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	147561	21.98	ug/l	97
51) Ethyl methacrylate	10.43	69	166561	20.44	ug/l	96
52) 1,3-Dichloropropane	10.71	76	236359	21.44	ug/l	98
53) Dibromochloromethane	10.90	129	157229	20.64	ug/l	98
54) 1,2-Dibromoethane	11.01	107	139086	21.16	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	340010	92.21	ug/l	100
56) Bromoform	12.13	173	109658	20.39	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	667592	107.47	ug/l	98
59) 2-Hexanone	10.75	43	428687	101.16	ug/l	99
61) Tetrachloroethene	10.63	164	147621	20.42	ug/l	95
62) Toluene	10.16	91	669446	21.98	ug/l	100
64) Chlorobenzene	11.44	112	407536	22.07	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	158905	22.06	ug/l	99
66) Ethyl Benzene	11.51	91	663197	21.31	ug/l	100
67) m/p-Xylenes	11.62	106	526521	43.96	ug/l	98
68) o-Xylene	11.95	106	251180	22.04	ug/l	99
69) Styrene	11.97	104	391487	21.43	ug/l	99
70) Isopropylbenzene	12.25	105	661518	21.79	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	182926	21.95	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	205795	28.91	ug/l	52
73) Bromobenzene	12.53	156	168888	20.89	ug/l	98
74) n-propylbenzene	12.59	91	740301	20.94	ug/l	99
75) 2-Chlorotoluene	12.68	91	456635	21.51	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	546566	21.92	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	42177	18.12	ug/l	97
78) 4-Chlorotoluene	12.77	91	442327	21.02	ug/l	100
79) tert-butylbenzene	12.99	119	466382	21.88	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	545693	21.60	ug/l	98
81) sec-Butylbenzene	13.17	105	607174	20.97	ug/l	100
82) p-Isopropyltoluene	13.29	119	517973	20.97	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	282545	20.07	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	268568	20.19	ug/l	99
85) n-Butylbenzene	13.62	91	375740	18.74	ug/l	99
86) Hexachloroethane	13.88	117	98912	20.04	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	281076	20.42	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25122	19.35	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	110039	16.74	ug/l	99
90) Hexachlorobutadiene	15.01	225	86583	19.98	ug/l	98
91) Naphthalene	15.14	128	220940	18.36	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	116374	17.41	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

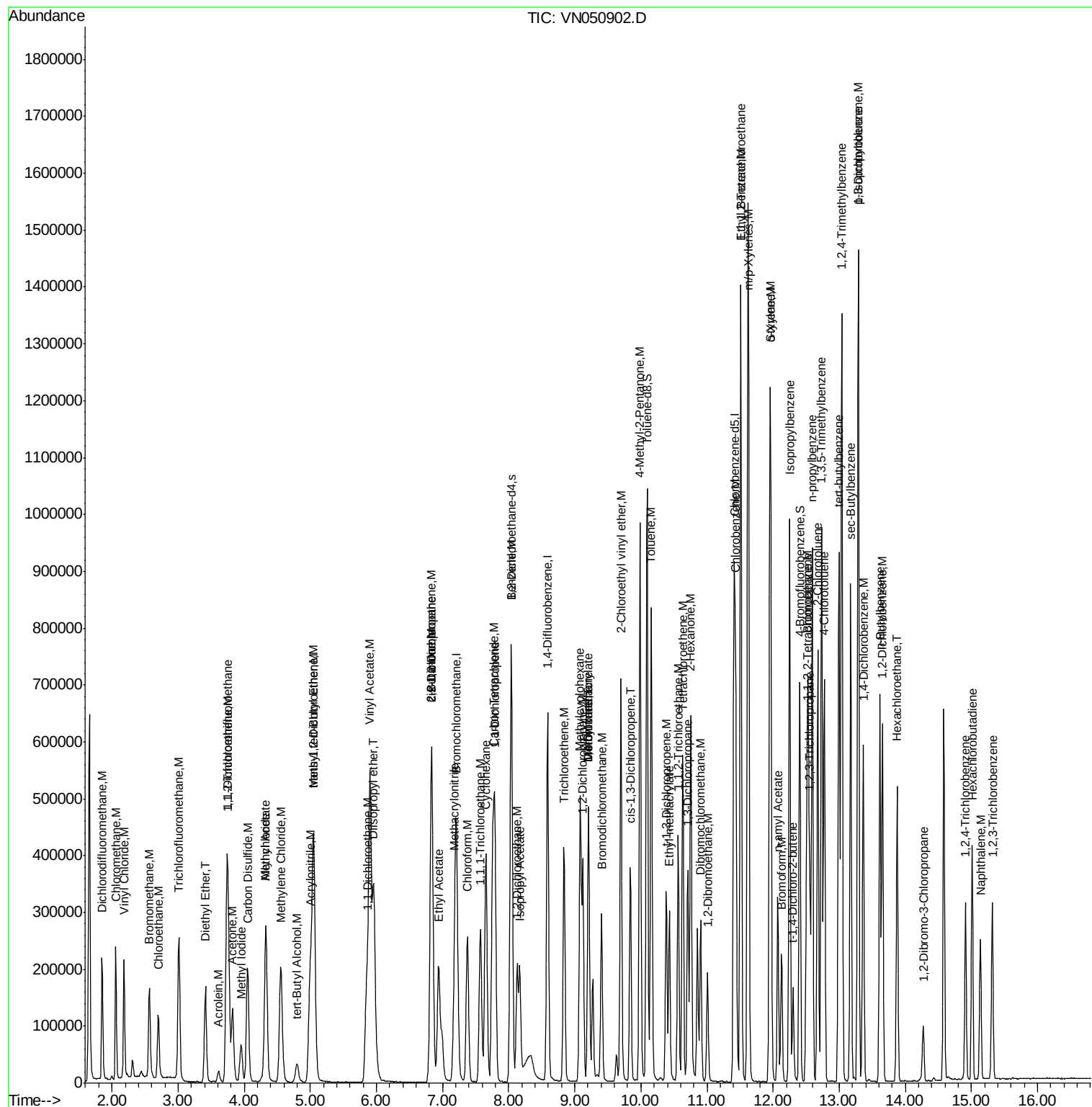
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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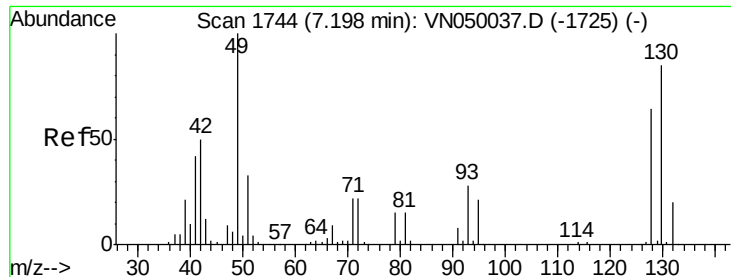
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 28 01:57:36 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

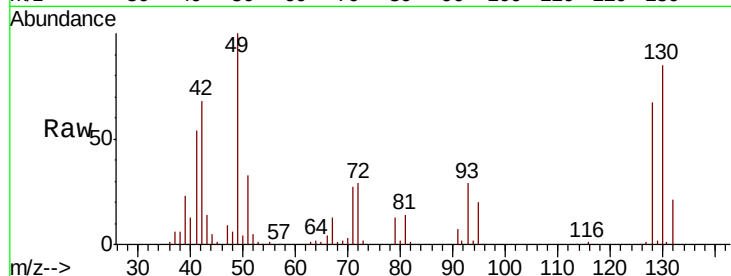
Tot Ion:128 Resp: 114047

Ion Ratio Lower Upper

128 100

49 151.6 0.0 378.3

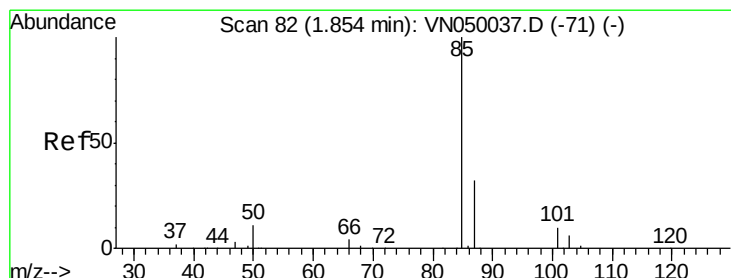
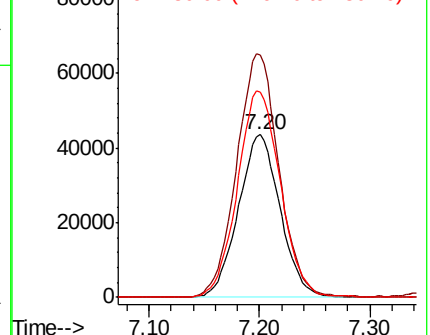
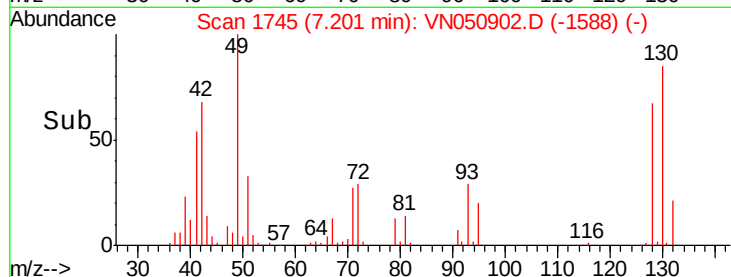
130 130.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 22.03 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050902.D

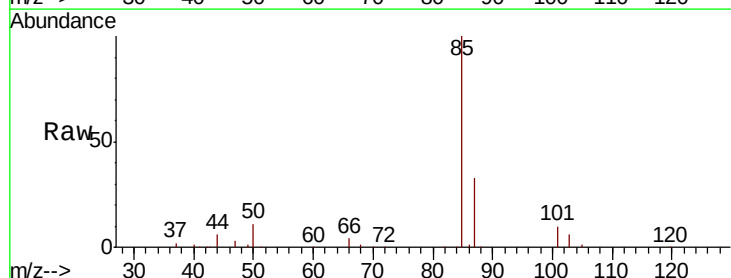
Acq: 27 Aug 2018 18:14

Tgt Ion: 85 Resp: 173124

Ion Ratio Lower Upper

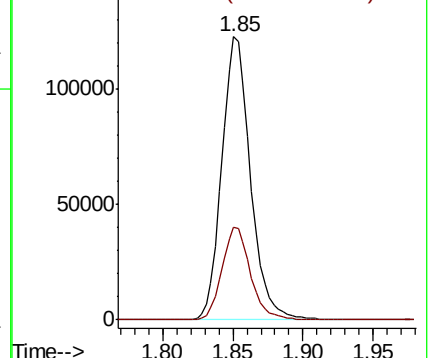
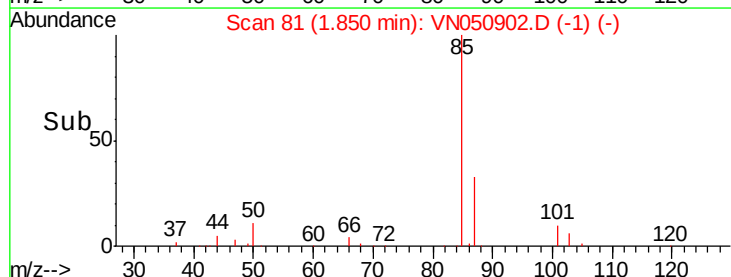
85 100

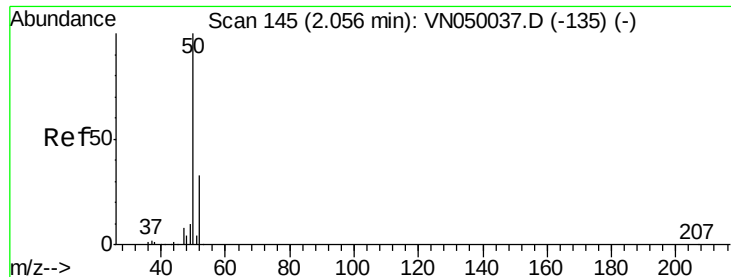
87 32.8 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 23.60 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

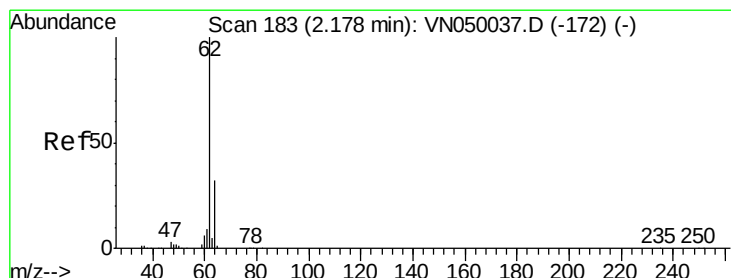
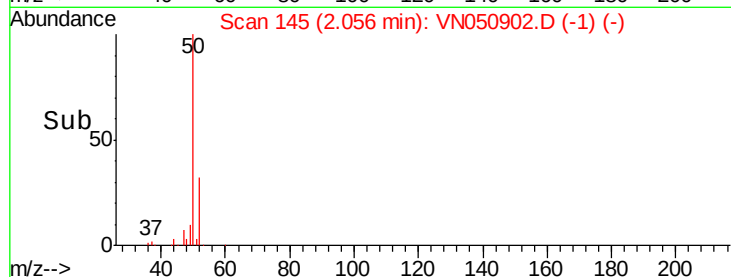
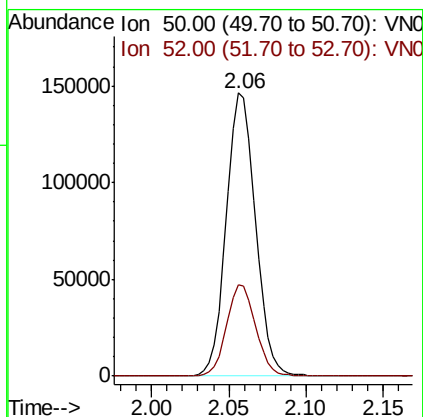
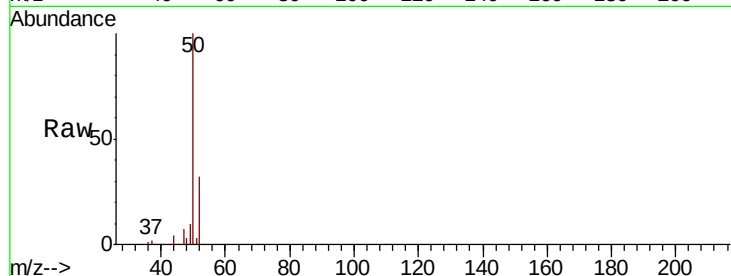
VN0827WBS02

Tot Ion: 50 Resp: 191205

Ion Ratio Lower Upper

50 100

52 32.3 26.1 39.1



#4

Vinyl Chloride

Concen: 21.64 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050902.D

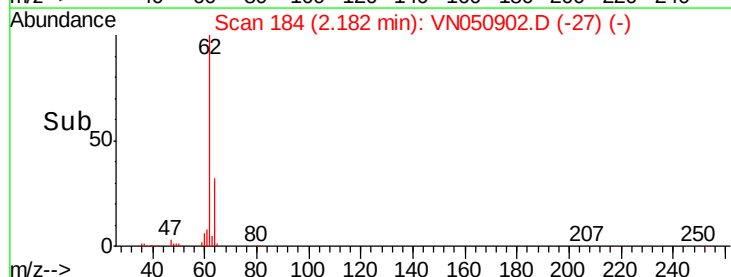
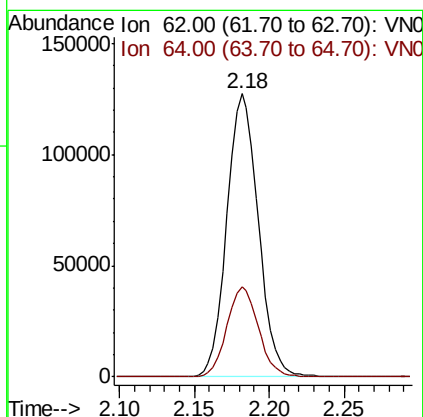
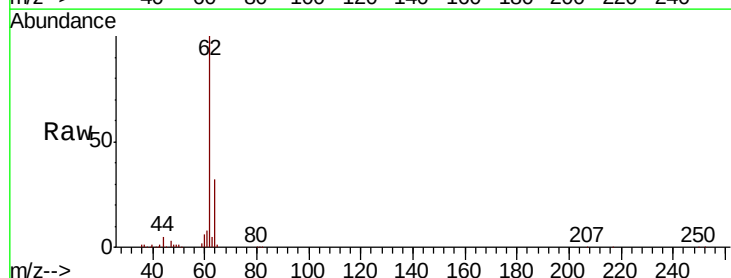
Acq: 27 Aug 2018 18:14

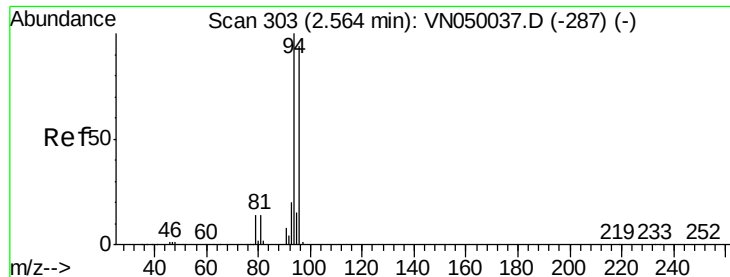
Tgt Ion: 62 Resp: 186694

Ion Ratio Lower Upper

62 100

64 31.7 24.4 36.6





#5

Bromomethane

Concen: 20.77 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

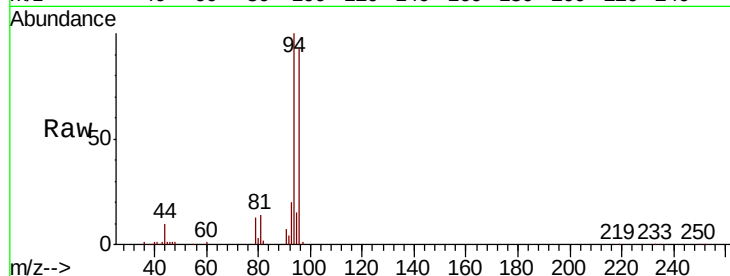
VN0827WBS02

Tot Ion: 94 Resp: 109220

Ion Ratio Lower Upper

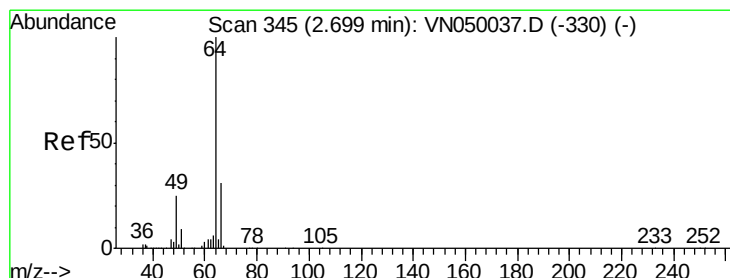
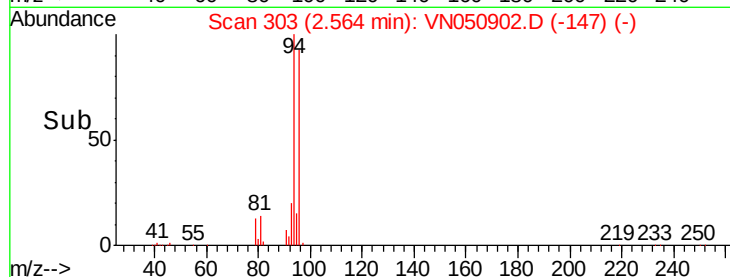
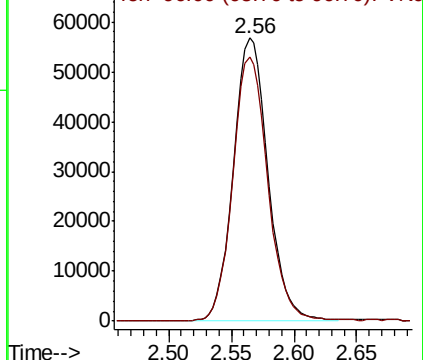
94 100

96 93.2 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: 21.22 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050902.D

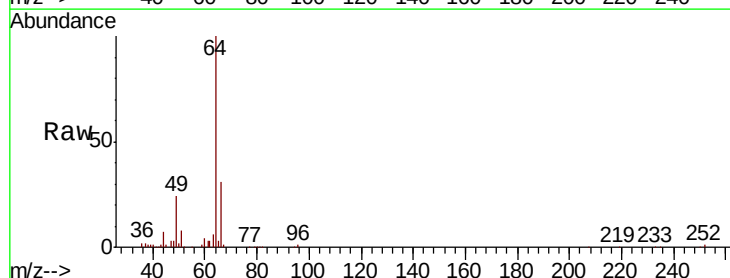
Acq: 27 Aug 2018 18:14

Tgt Ion: 64 Resp: 108275

Ion Ratio Lower Upper

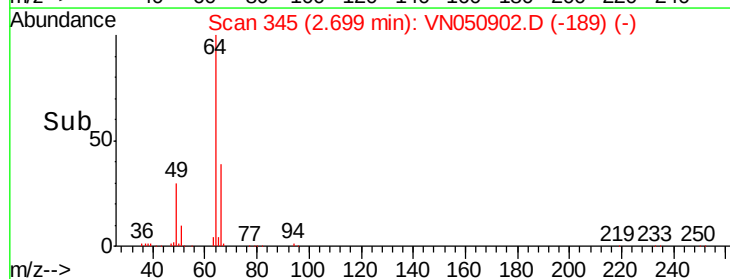
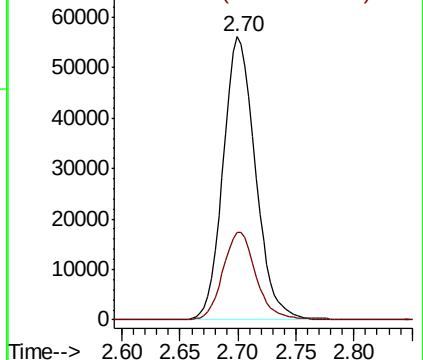
64 100

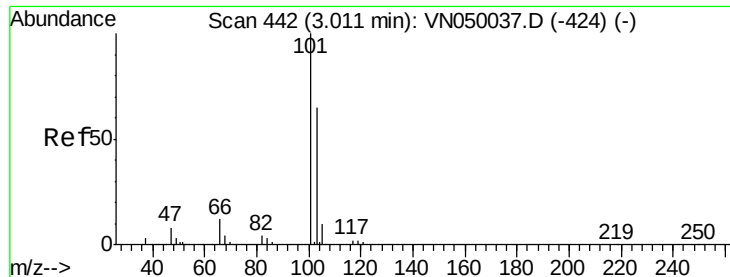
66 31.0 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



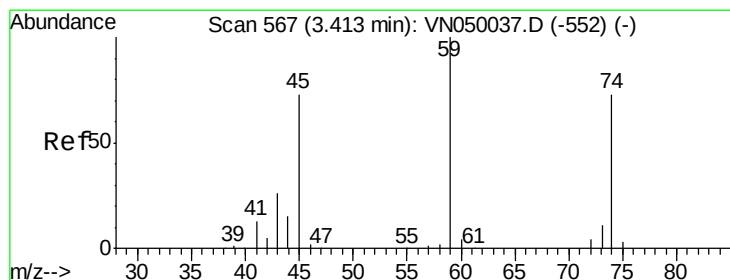
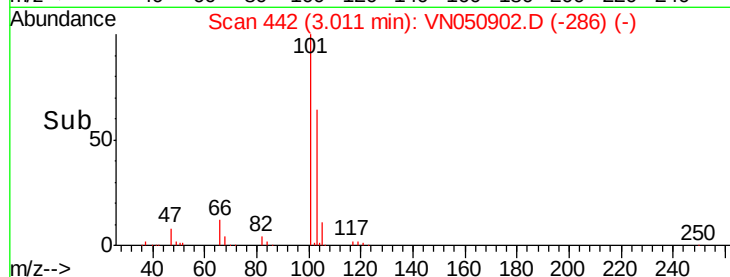
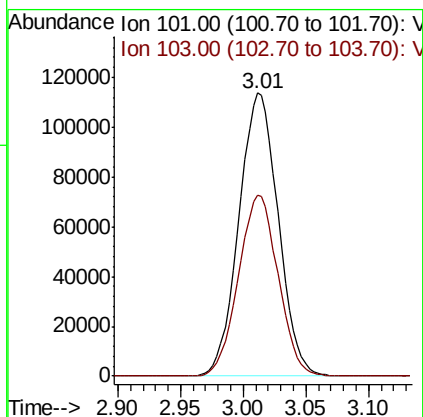
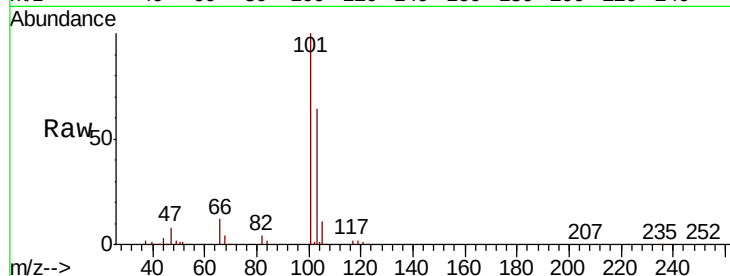


#7

Trichlorofluoromethane
 Concen: 22.06 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Instrument :
 MSVOA_N
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 VN0827WBS02

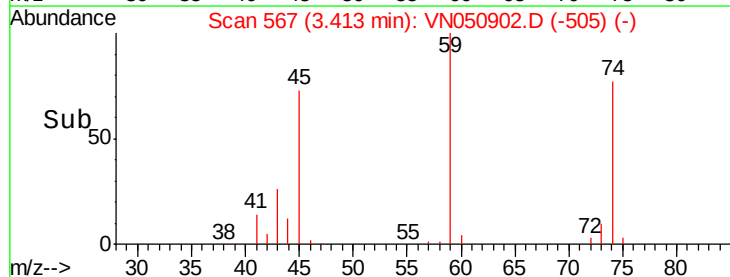
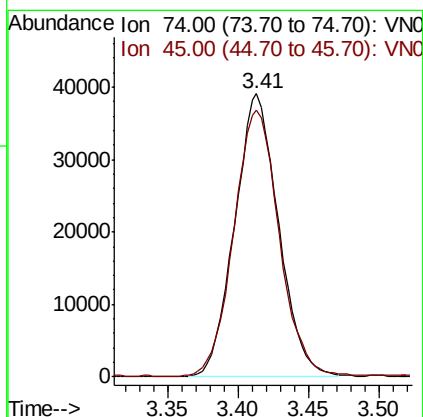
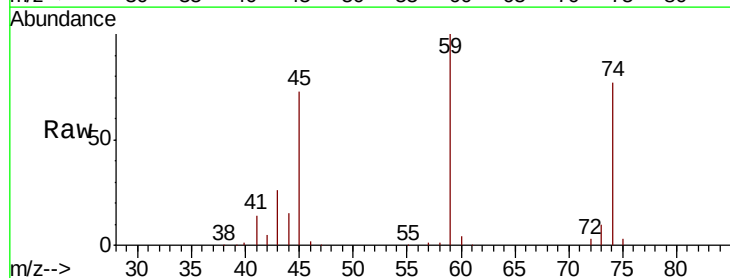
Tot Ion:101 Resp: 248639
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3

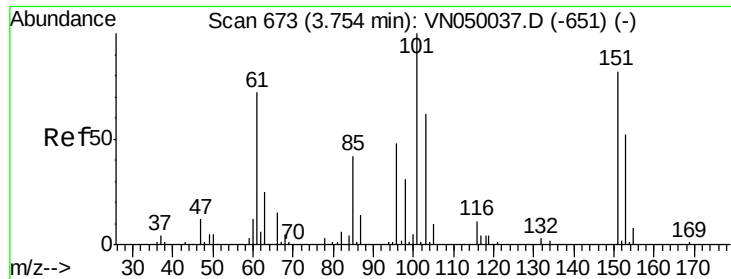


#8

Diethyl Ether
 Concen: 22.47 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 74 Resp: 84954
 Ion Ratio Lower Upper
 74 100
 45 98.3 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.32 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

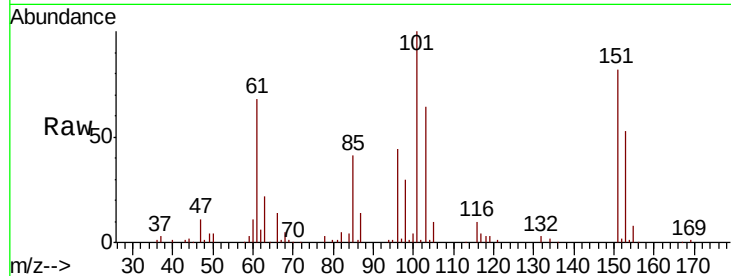
Tot Ion:101 Resp: 153076

Ion Ratio Lower Upper

101 100

85 42.3 0.0 83.0

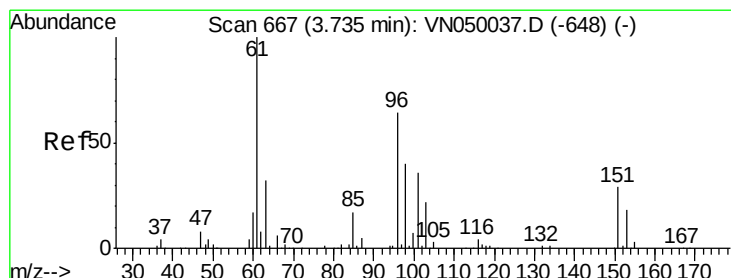
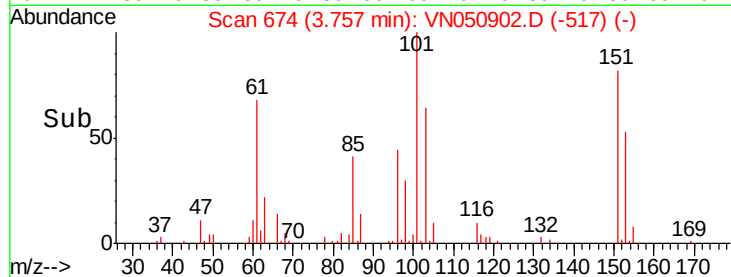
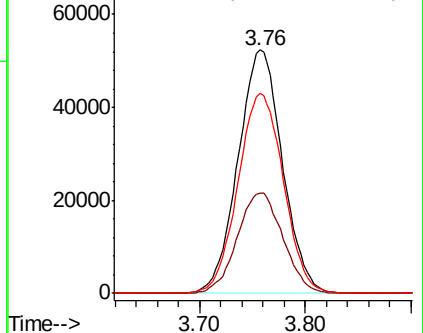
151 84.3 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 22.36 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

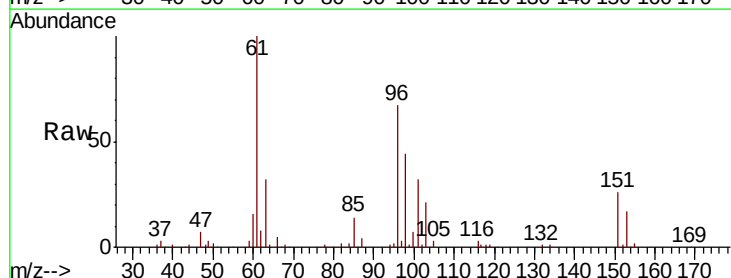
Tgt Ion: 96 Resp: 135978

Ion Ratio Lower Upper

96 100

61 149.7 130.6 195.8

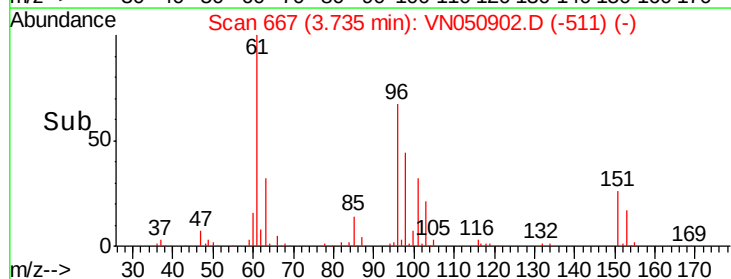
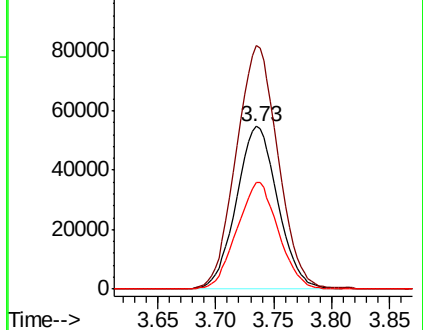
98 65.4 53.5 80.3

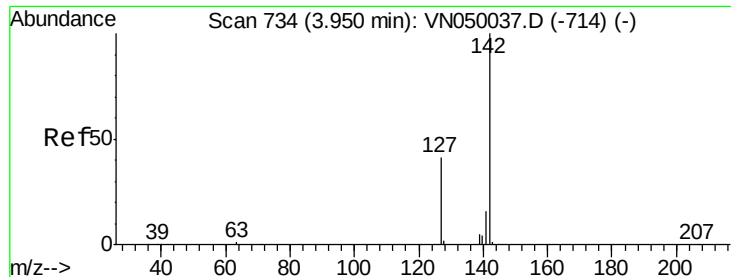


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

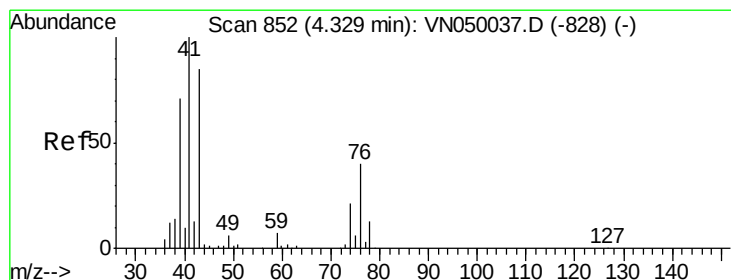
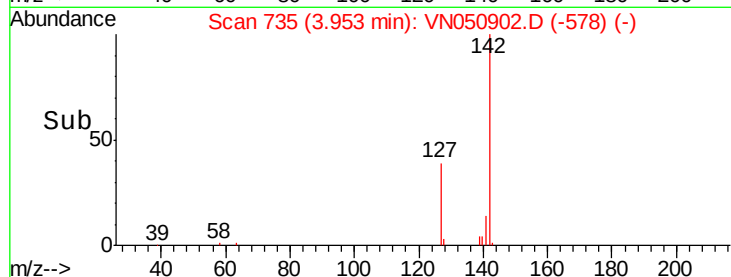
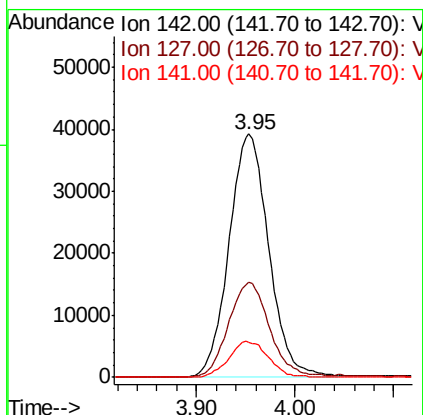
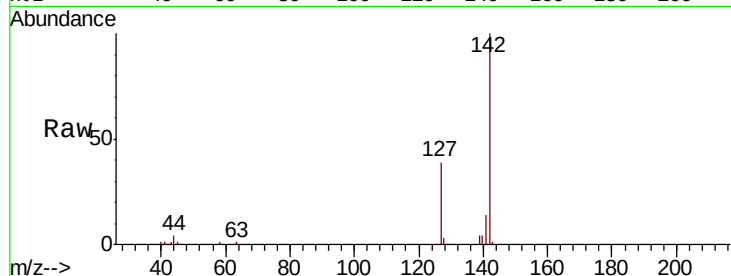




#11
Methvl Iodide
Concen: 12.26 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

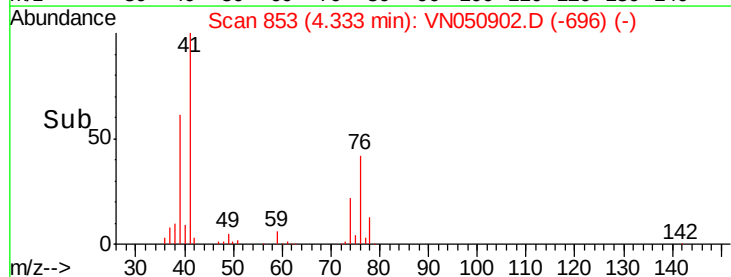
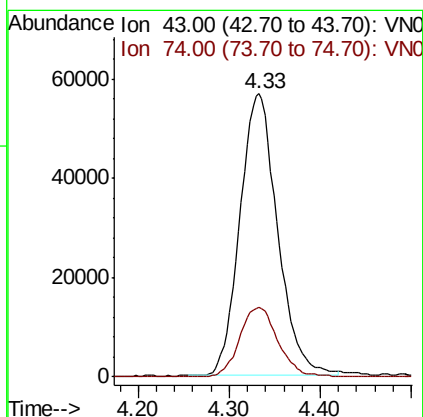
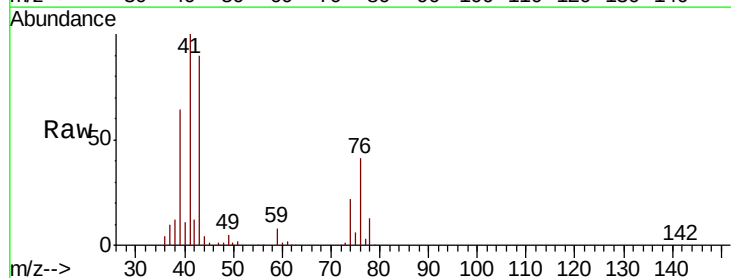
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS02

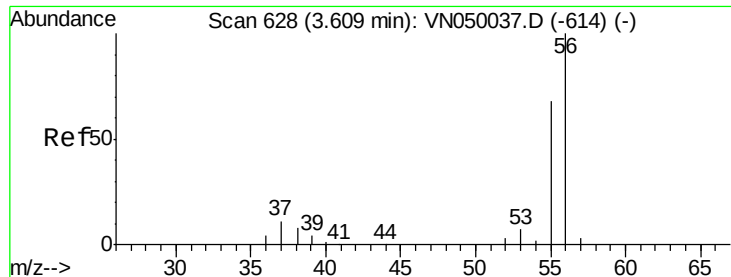
Tot Ion:142 Resp: 109726
Ion Ratio Lower Upper
142 100
127 38.5 20.2 60.5
141 14.4 6.9 20.6



#12
Methyl Acetate
Concen: 23.44 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 43 Resp: 163288
Ion Ratio Lower Upper
43 100
74 24.5 19.3 28.9





#13

Acrolein

Concen: 53.21 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

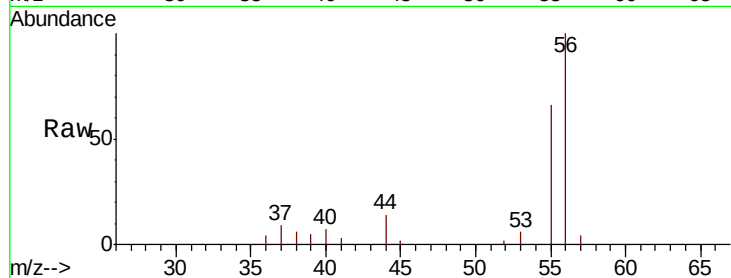
VN0827WBS02

Tot Ion: 56 Resp: 22907

Ion Ratio Lower Upper

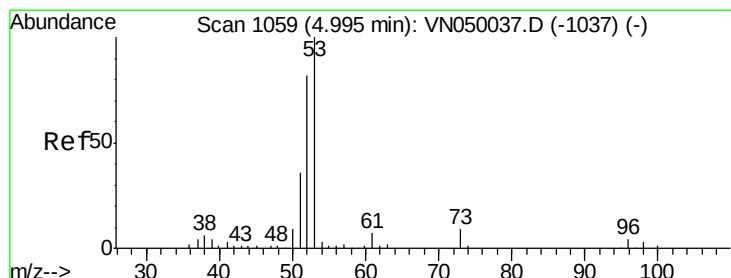
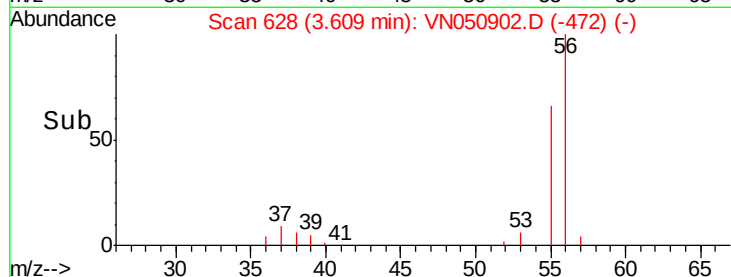
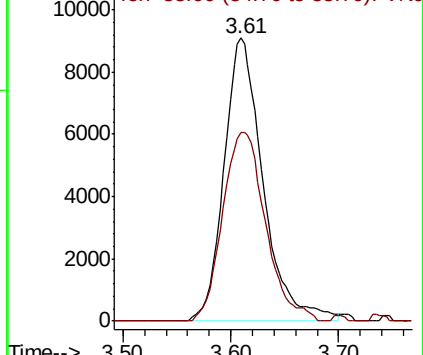
56 100

55 72.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 111.82 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

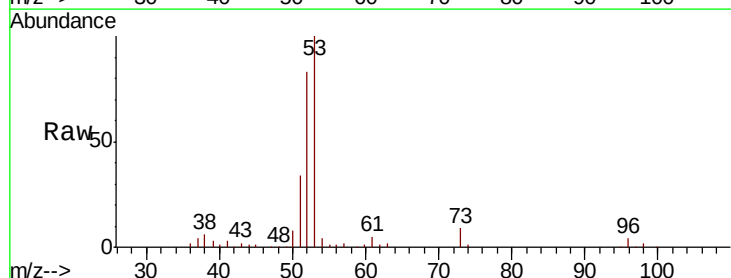
Tgt Ion: 53 Resp: 259903

Ion Ratio Lower Upper

53 100

52 81.7 41.5 124.5

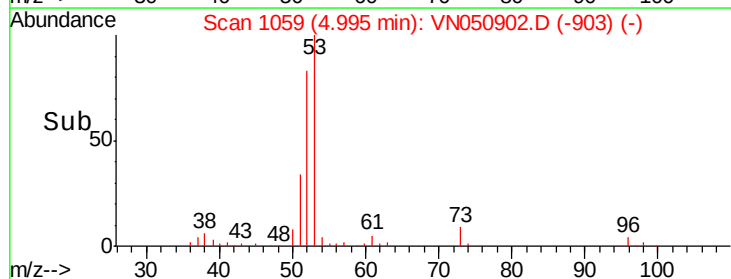
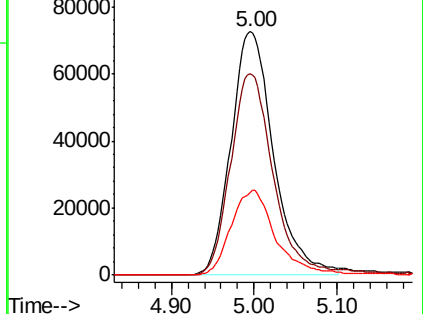
51 35.4 18.7 56.1

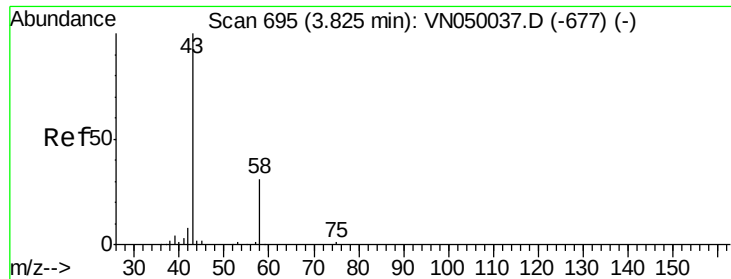


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 112.12 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

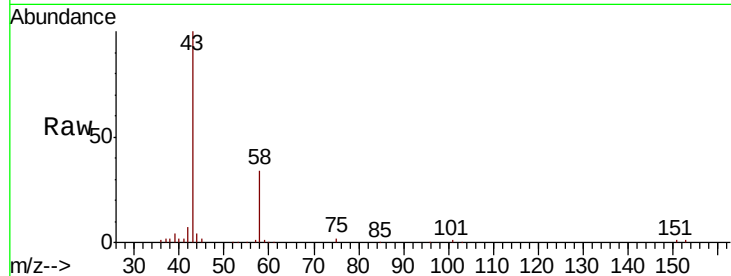
VN0827WBS02

Tot Ion: 58 Resp: 69256

Ion Ratio Lower Upper

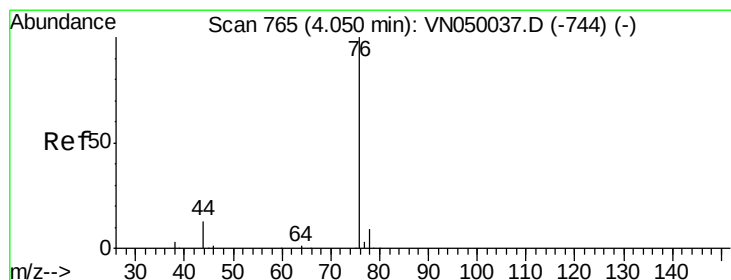
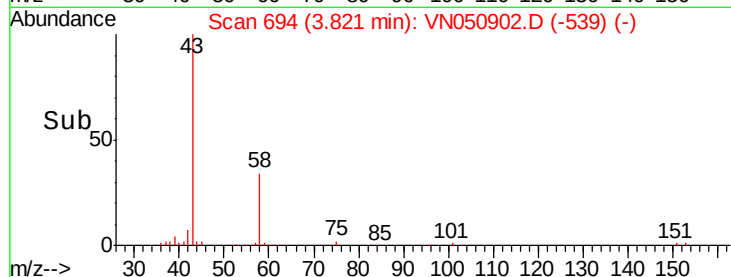
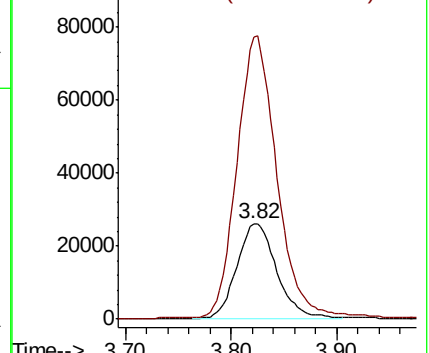
58 100

43 294.4 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 22.16 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050902.D

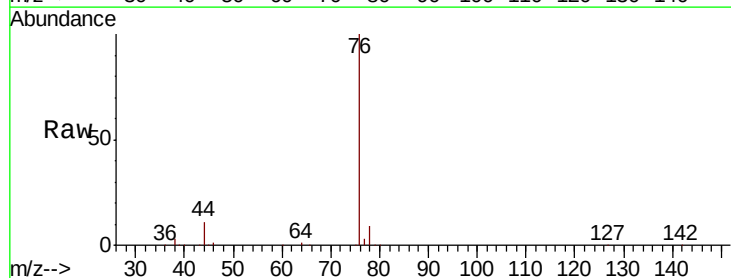
Acq: 27 Aug 2018 18:14

Tgt Ion: 76 Resp: 412415

Ion Ratio Lower Upper

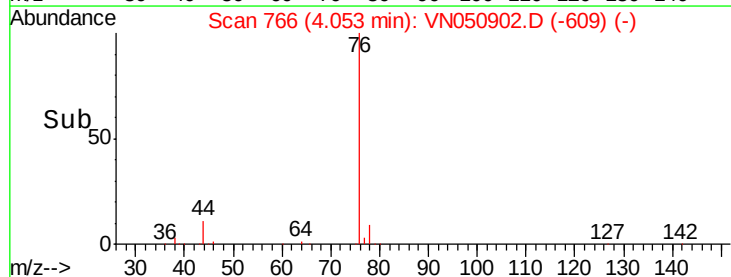
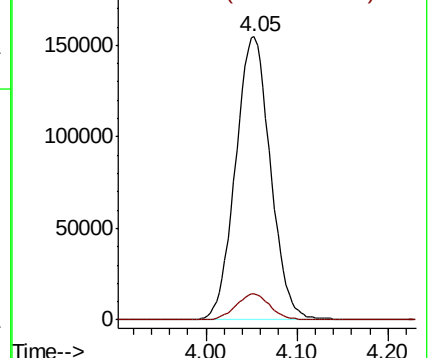
76 100

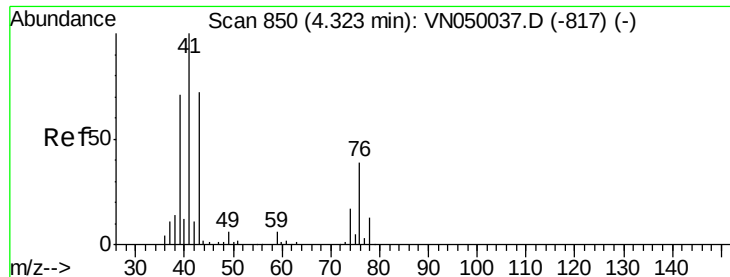
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 21.80 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

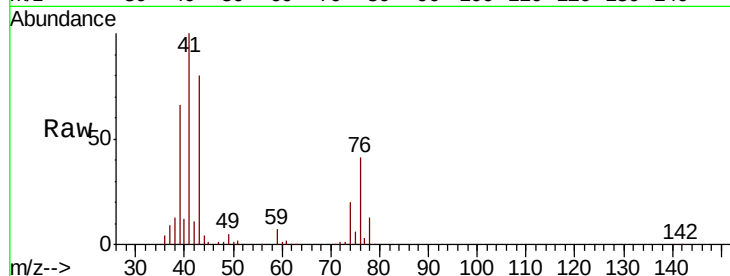
Tot Ion: 41 Resp: 209330

Ion Ratio Lower Upper

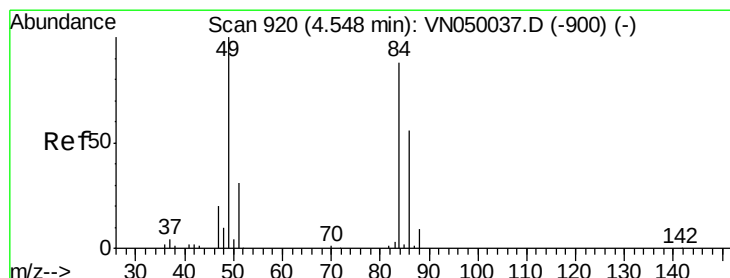
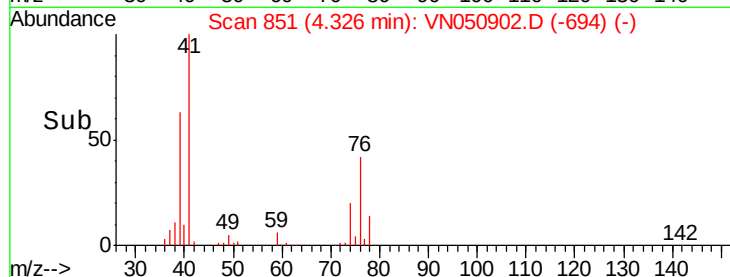
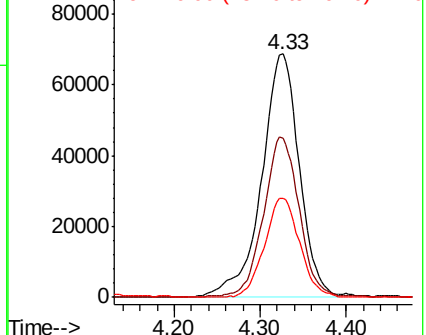
41 100

39 65.6 35.4 106.3

76 40.2 19.7 59.1



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC



#18

Methylene Chloride

Concen: 23.66 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Tgt Ion: 84 Resp: 165984

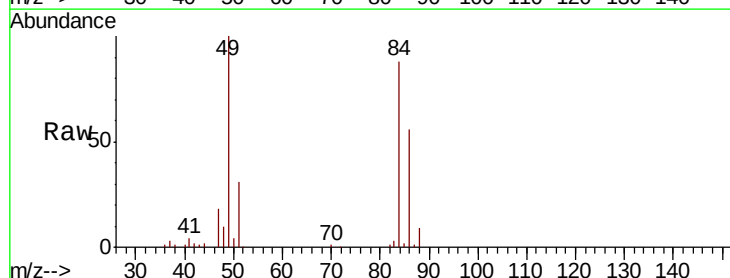
Ion Ratio Lower Upper

84 100

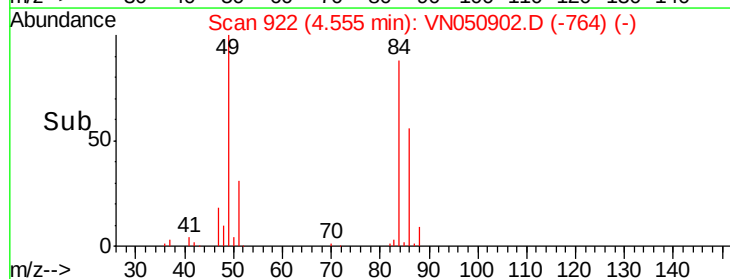
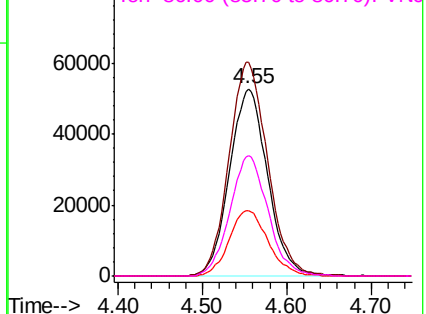
49 113.8 95.1 142.7

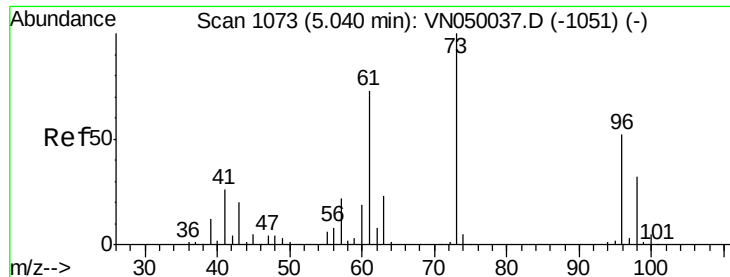
51 35.0 28.8 43.2

86 64.5 52.3 78.5



Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC





#19

trans-1,2-Dichloroethene

Concen: 22.31 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

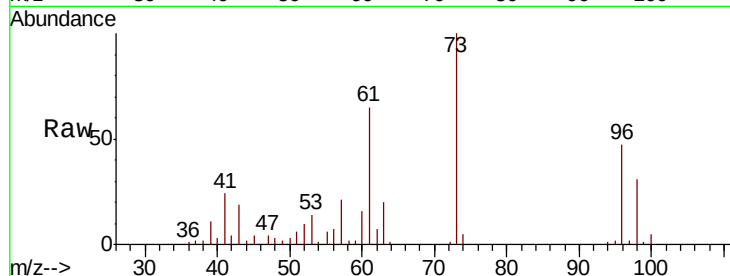
Tot Ion: 96 Resp: 145235

Ion Ratio Lower Upper

96 100

61 137.8 112.1 168.1

98 65.5 51.3 76.9

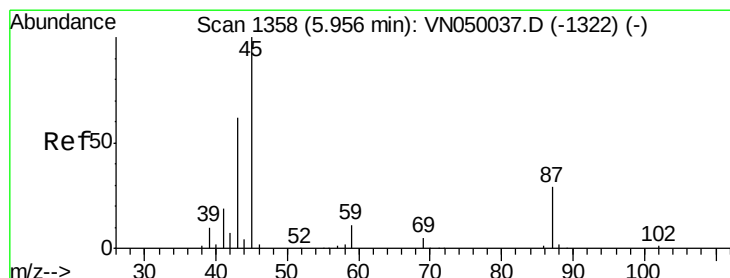
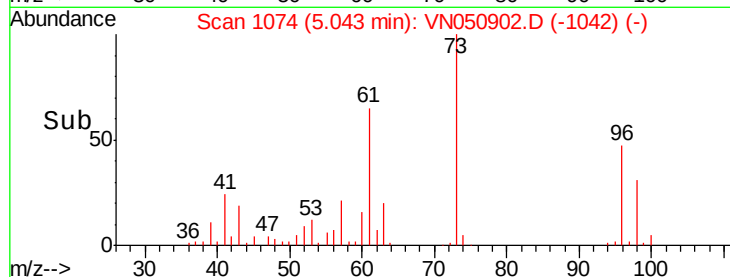
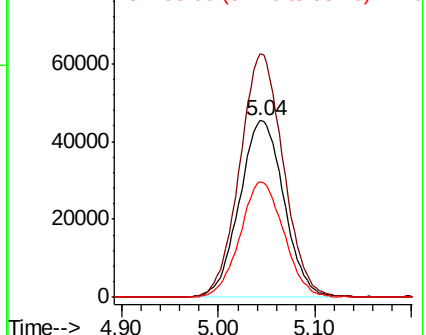


Abundance

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: 23.18 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Tgt Ion: 45 Resp: 456333

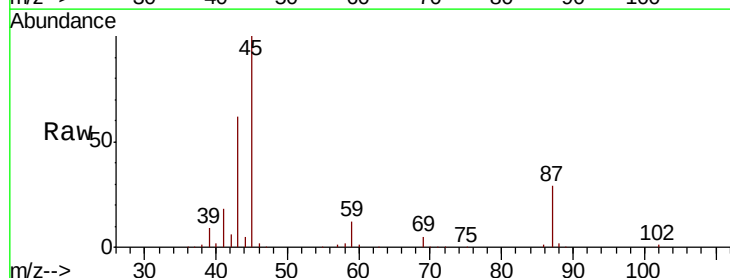
Ion Ratio Lower Upper

45 100

43 60.9 46.6 70.0

87 28.8 22.3 33.5

59 11.7 9.5 14.3



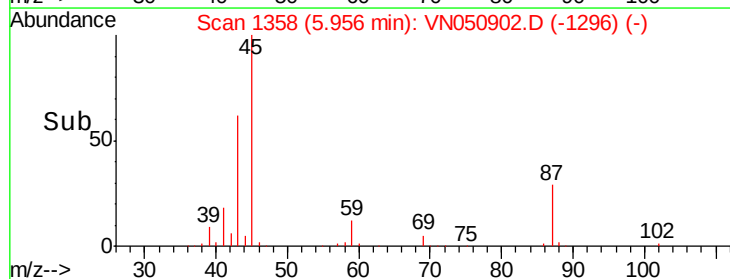
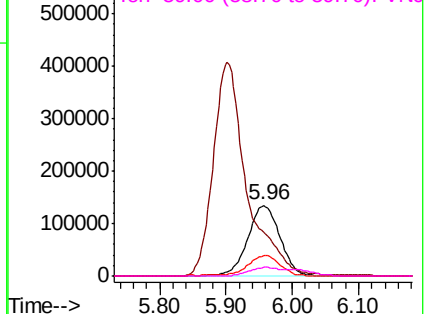
Abundance

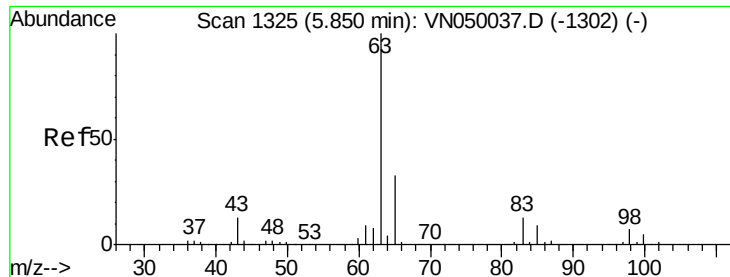
Ion 45.00 (44.70 to 45.70): VN0

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: 22.10 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

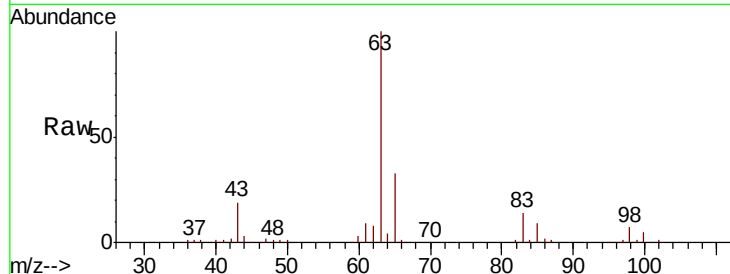
Tot Ion: 63 Resp: 273668

Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

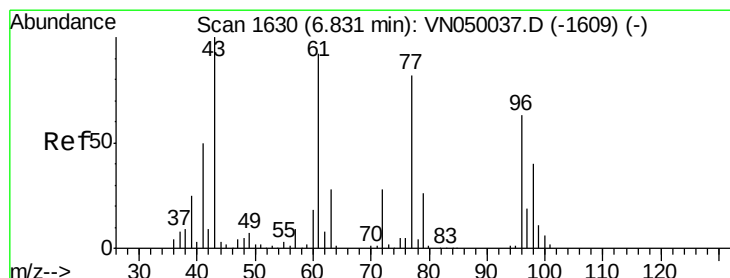
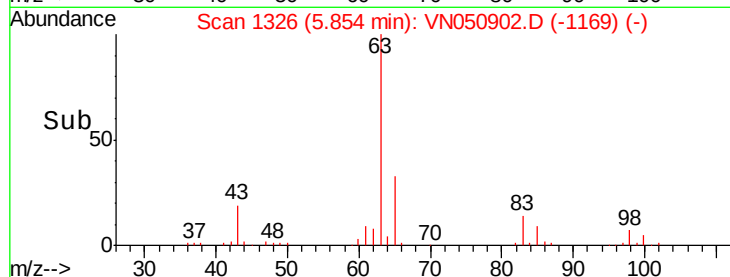
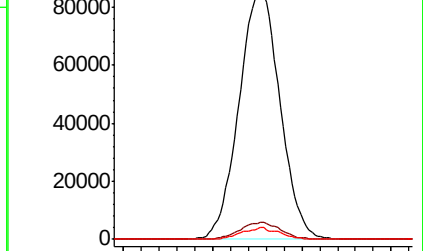
100 4.9 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 22.17 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

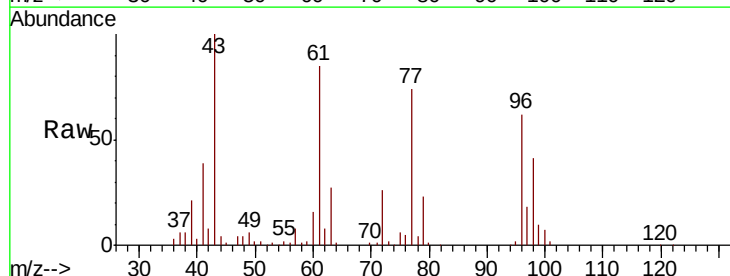
Tgt Ion: 96 Resp: 160038

Ion Ratio Lower Upper

96 100

61 143.1 114.2 171.2

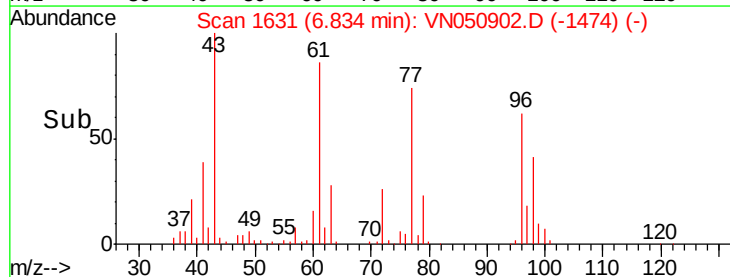
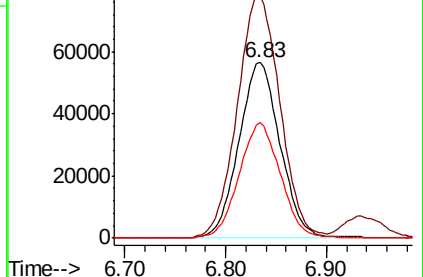
98 65.7 51.7 77.5

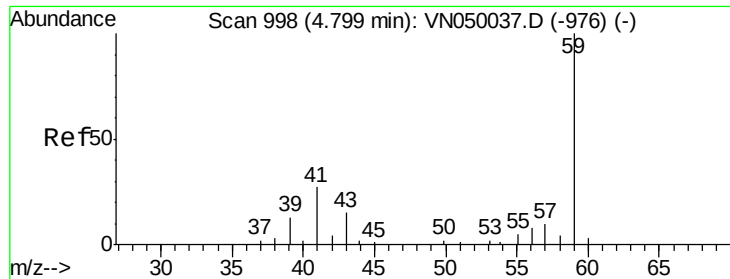


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)



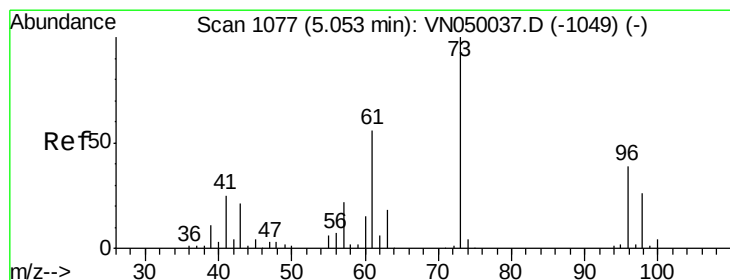
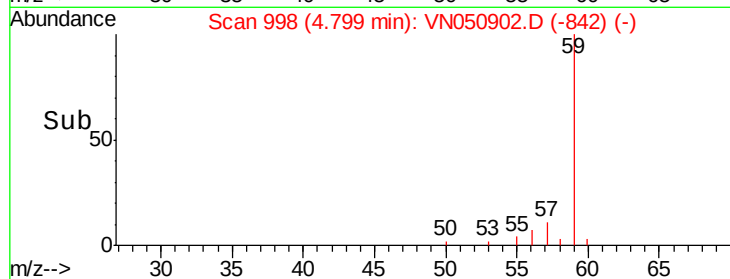
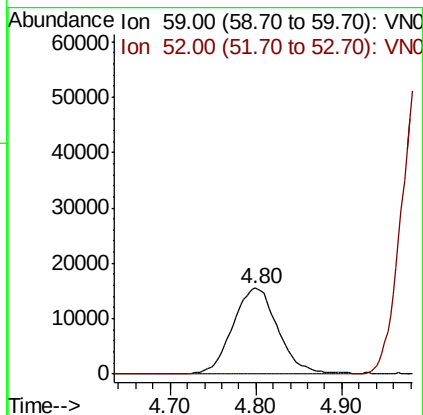
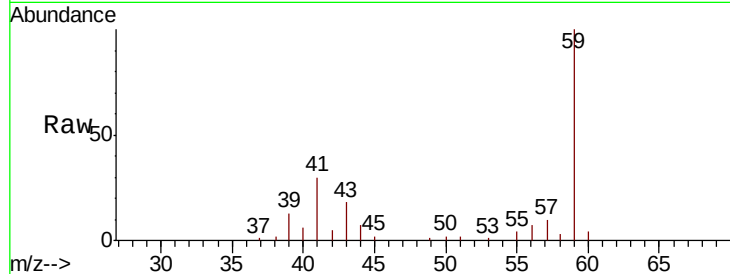


#23

tert-Butyl Alcohol
 Concen: 109.25 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

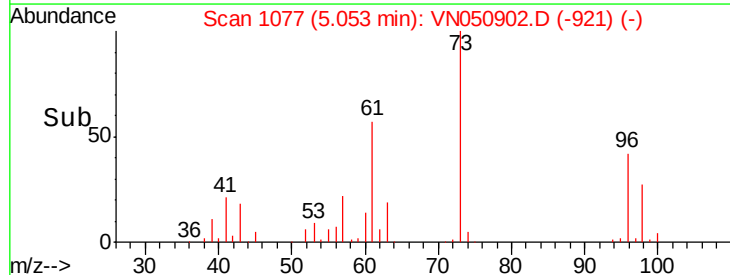
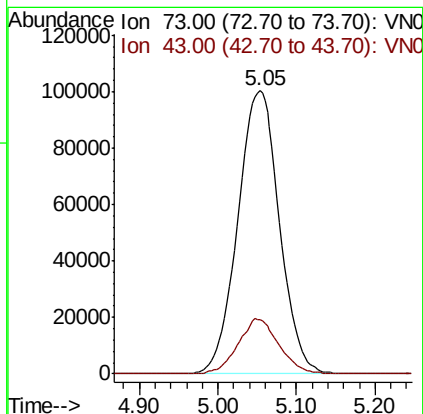
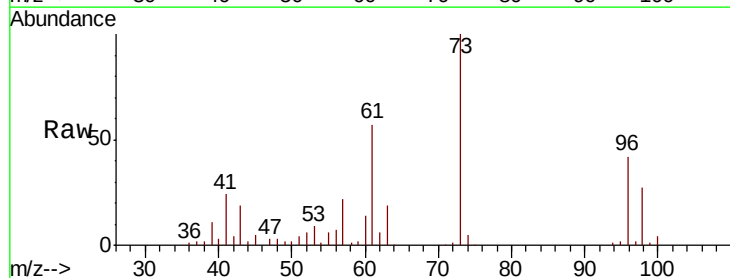
Tot Ion: 59 Resp: 56740
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

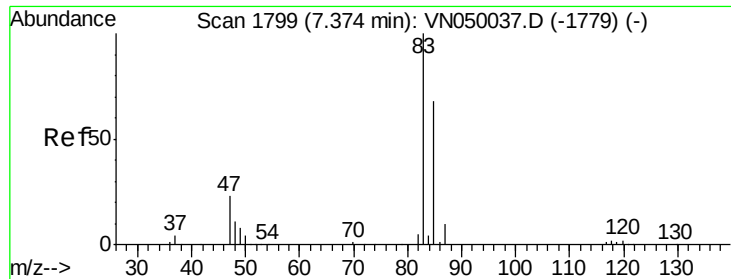


#24

Methyl tert-Butyl Ether
 Concen: 22.43 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 73 Resp: 372021
 Ion Ratio Lower Upper
 73 100
 43 18.6 15.5 23.3

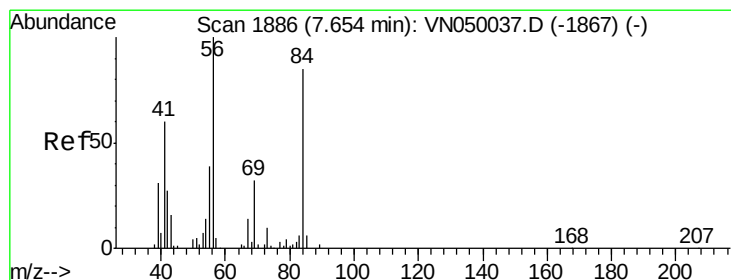
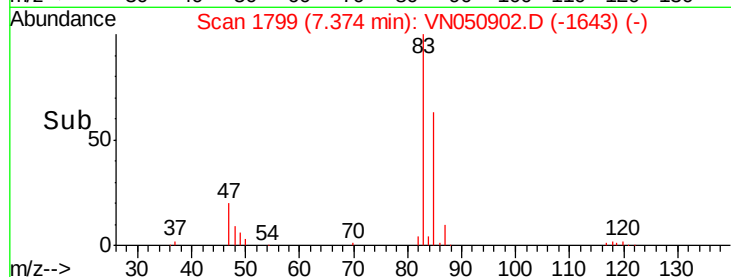
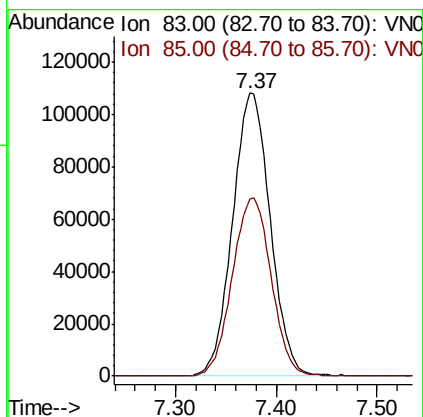
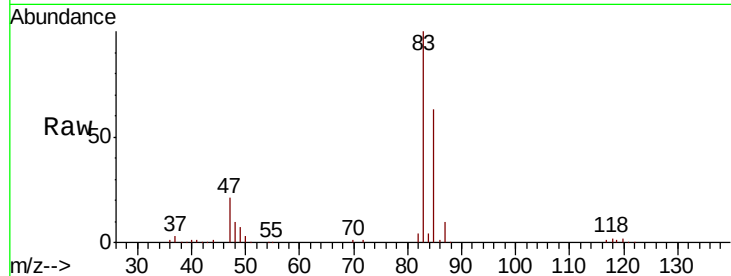




#25
Chloroform
Concen: 22.37 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

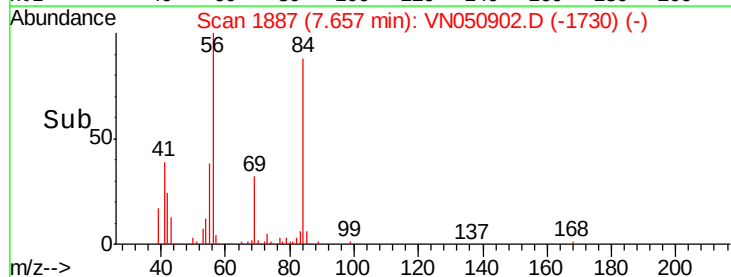
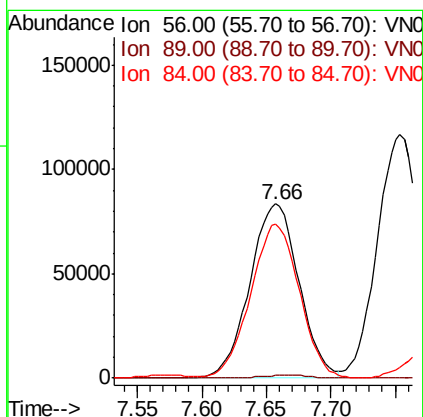
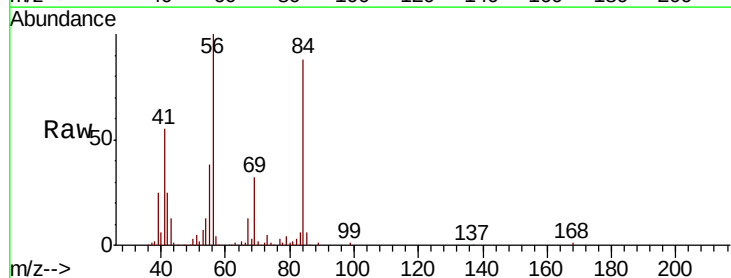
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

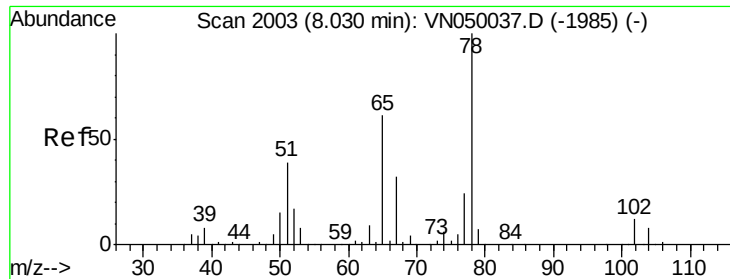
Tot Ion: 83 Resp: 280412
Ion Ratio Lower Upper
83 100
85 62.6 52.1 78.1



#26
Cyclohexane
Concen: 22.54 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 56 Resp: 221745
Ion Ratio Lower Upper
56 100
89 1.5 3.0 4.4#
84 87.0 69.8 104.8

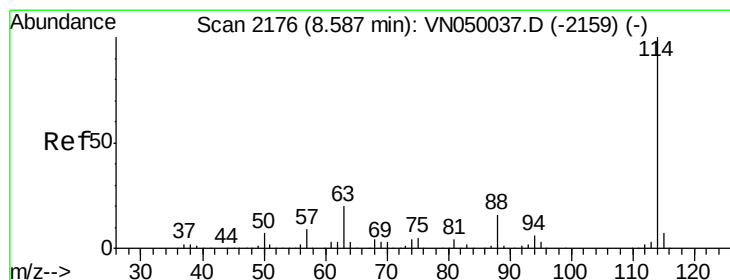
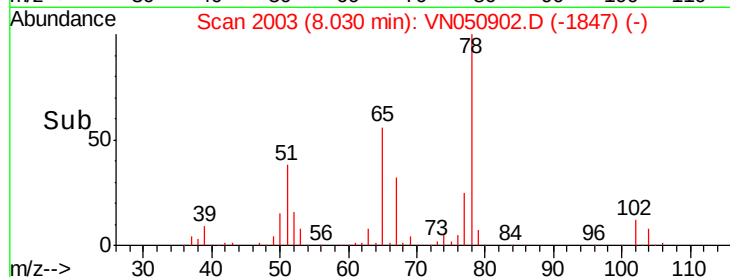
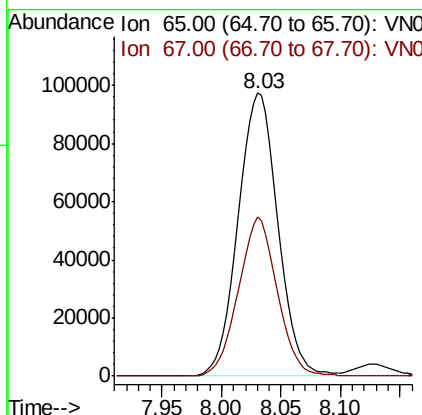
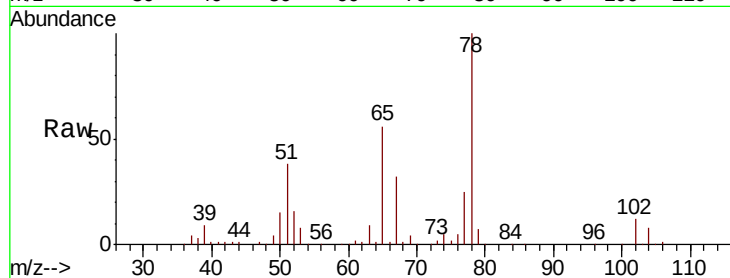




#27
 1,2-Dichloroethane-d4
 Concen: 29.19 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

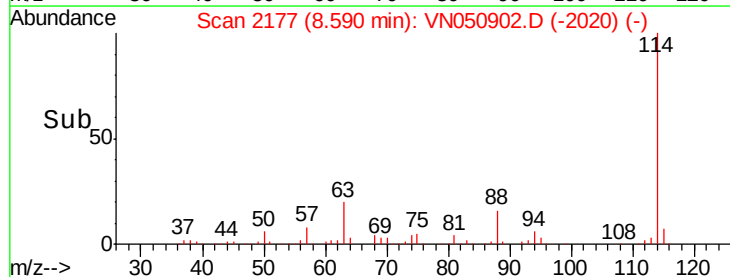
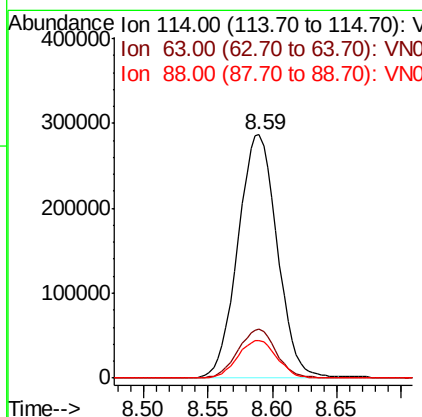
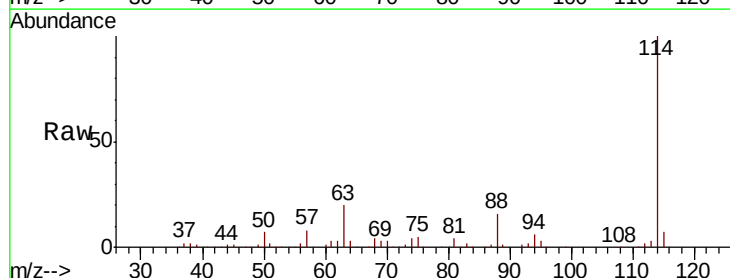
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS02

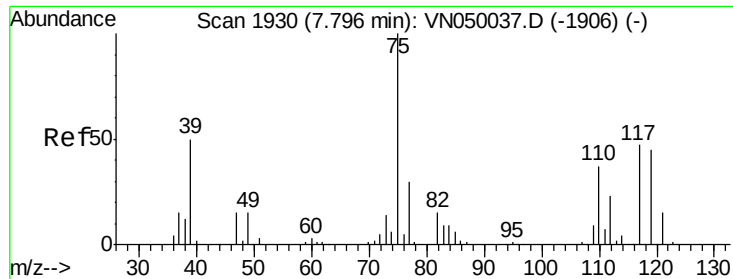
Tot Ion: 65 Resp: 226247
 Ion Ratio Lower Upper
 65 100
 67 54.6 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 114 Resp: 609406
 Ion Ratio Lower Upper
 114 100
 63 19.6 16.2 24.2
 88 15.5 12.3 18.5

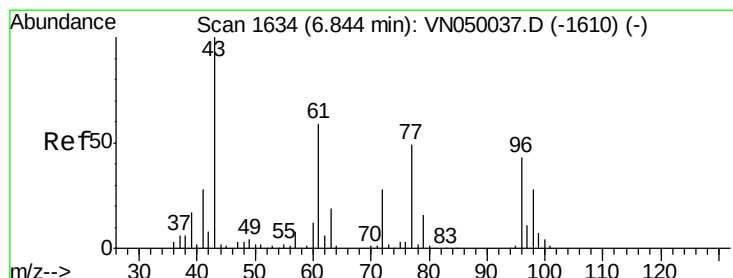
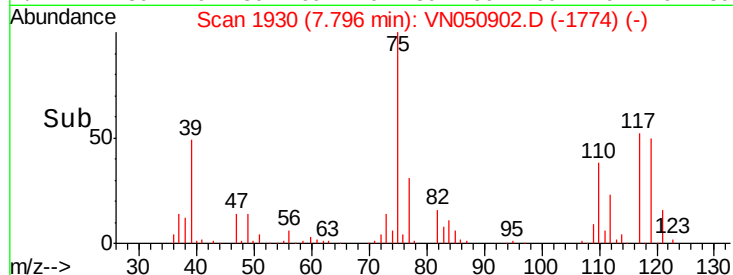
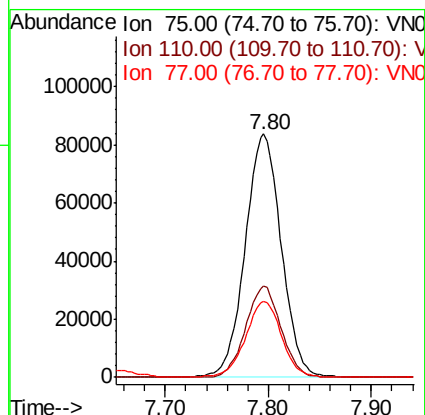
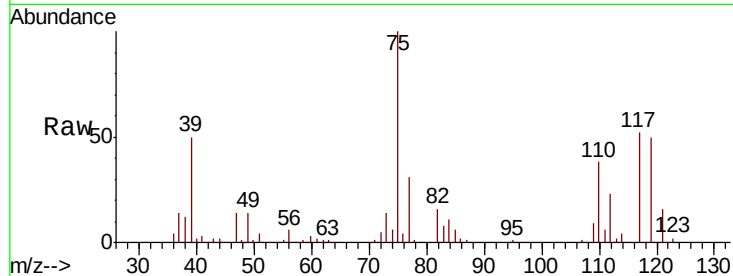




#29
 1,1-Dichloropropene
 Concen: 21.52 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

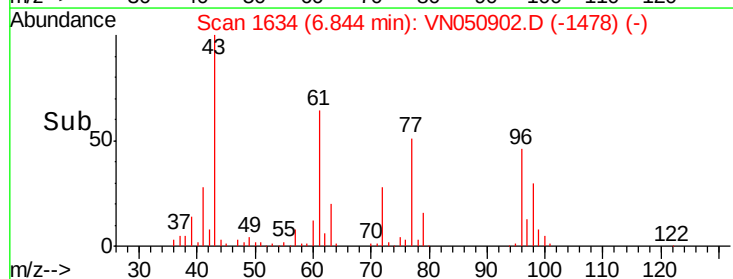
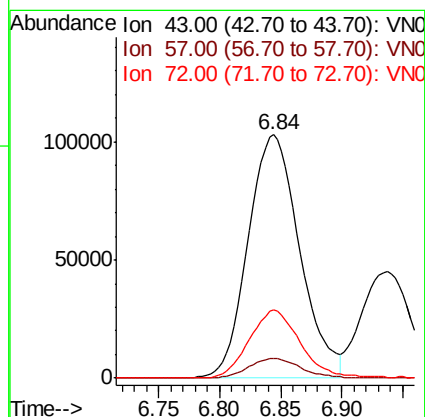
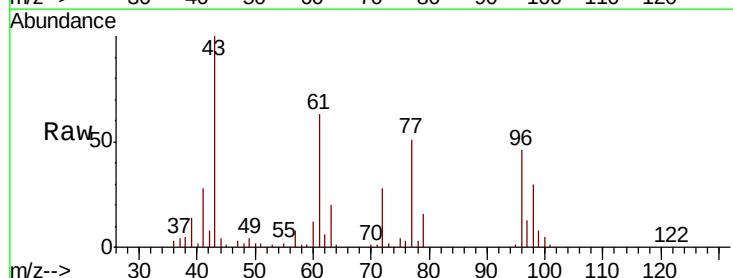
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

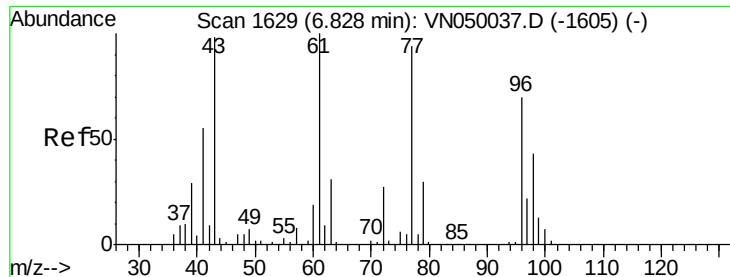
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.5	0.0	73.2
77	31.2	0.0	62.0



#30
 2-Butanone
 Concen: 101.03 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.3	6.8	10.2
72	27.5	21.4	32.0

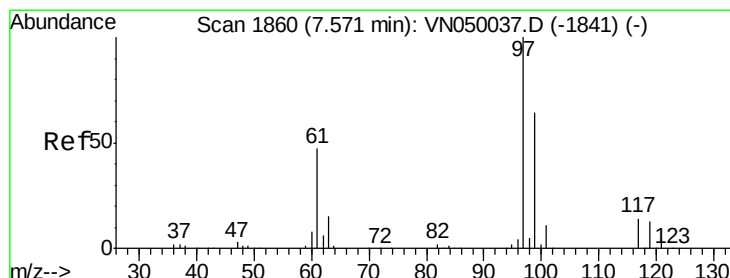
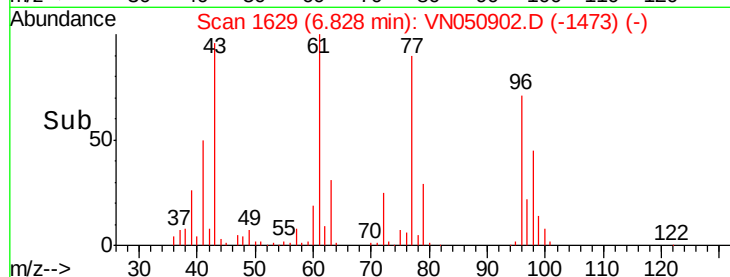
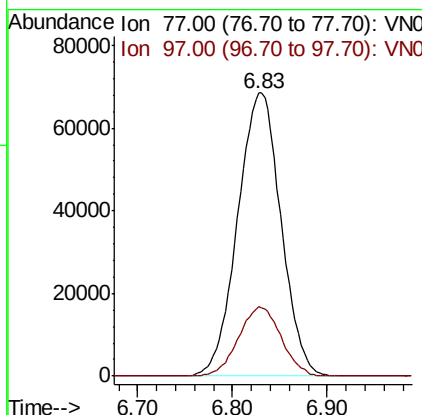
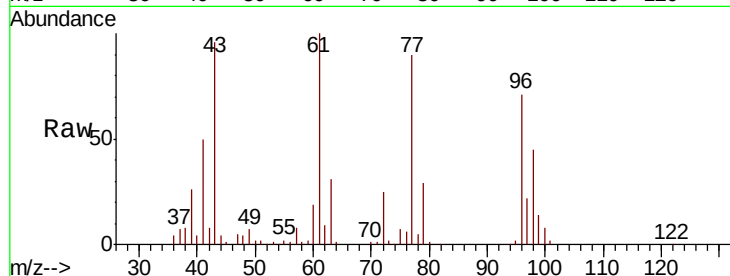




#31
 2,2-Dichloropropane
 Concen: 20.84 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

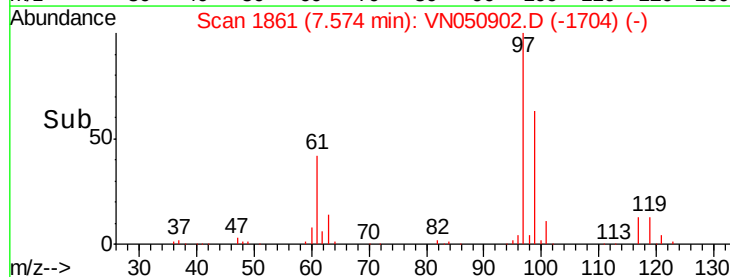
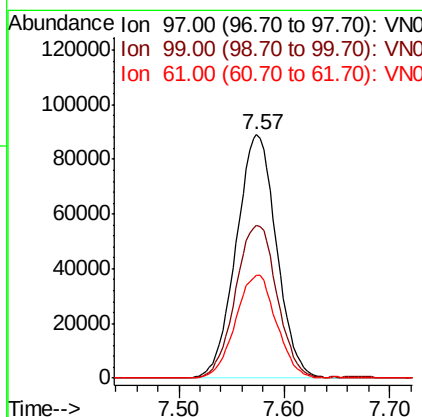
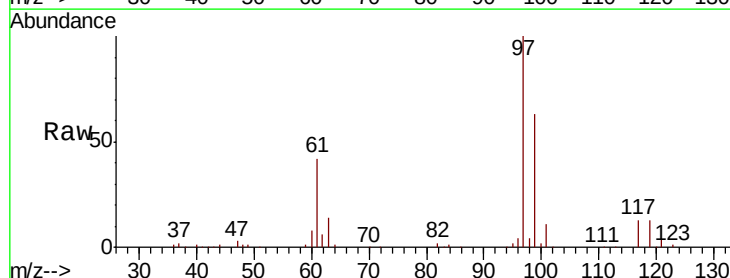
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

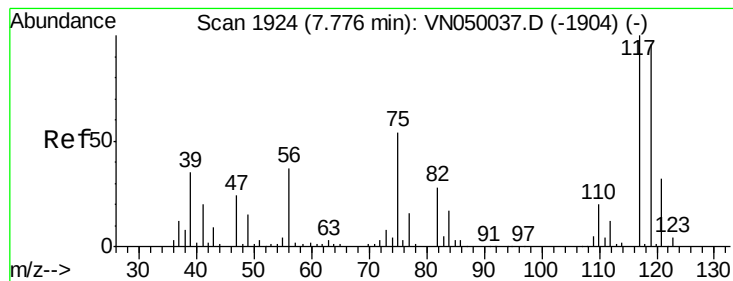
Tot Ion: 77 Resp: 217892
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 21.20 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 97 Resp: 235954
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 42.9 35.3 52.9





#33

Carbon Tetrachloride

Concen: 21.09 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS02

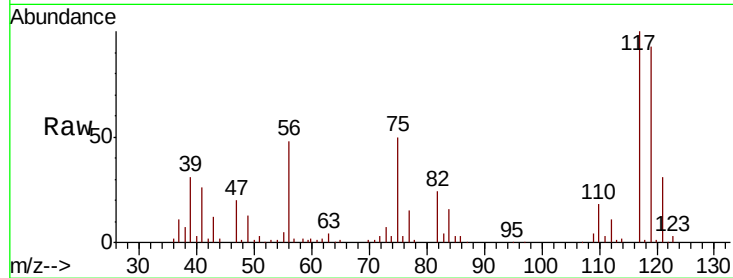
Tot Ion:117 Resp: 209290

Ion Ratio Lower Upper

117 100

119 93.2 76.9 115.3

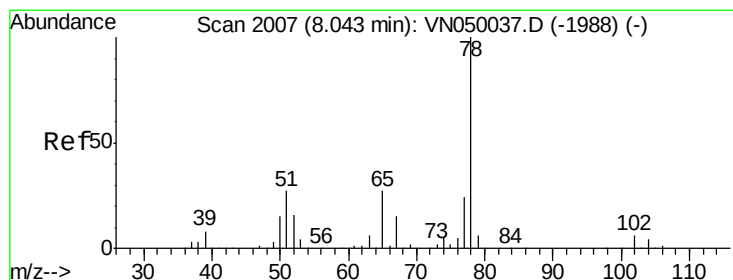
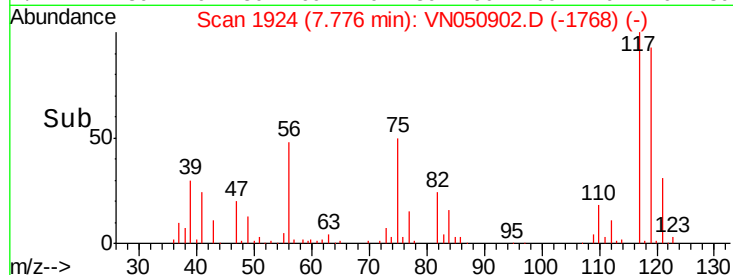
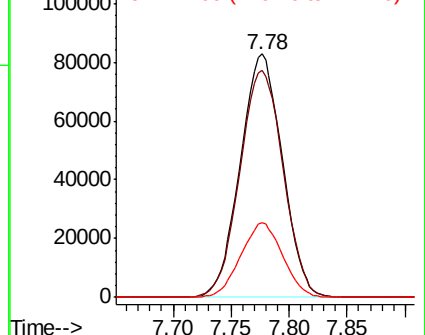
121 30.9 24.4 36.6



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: 21.92 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

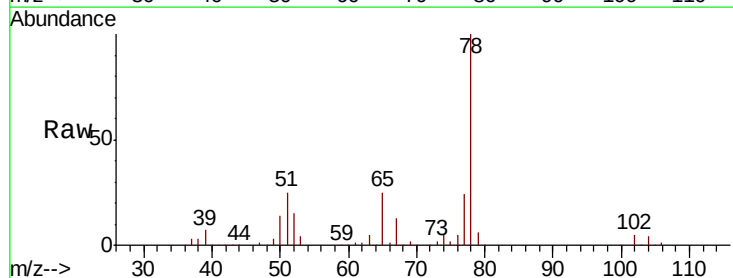
Tgt Ion: 78 Resp: 629537

Ion Ratio Lower Upper

78 100

77 23.6 19.1 28.7

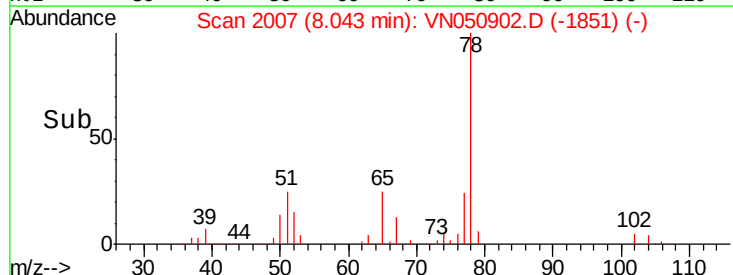
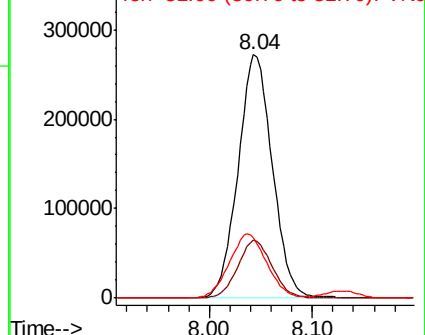
51 24.6 21.0 31.4

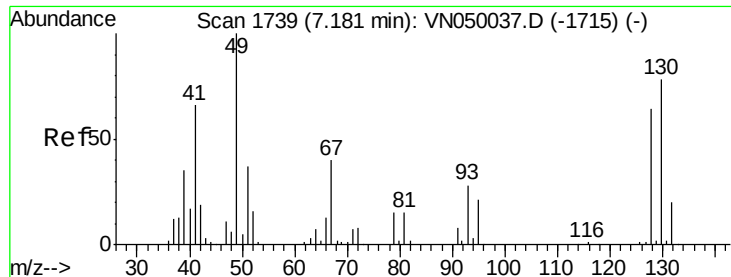


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

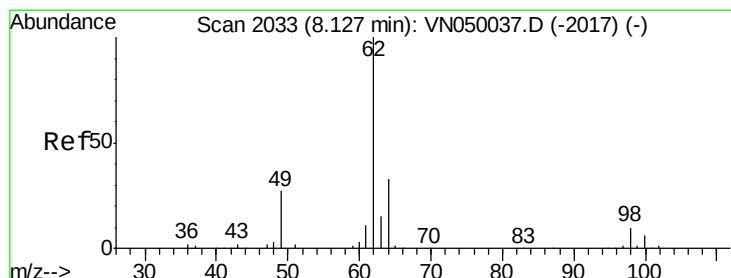
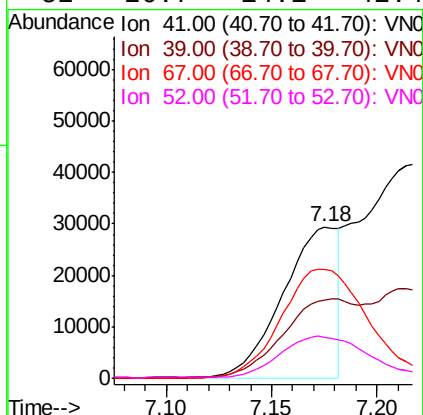
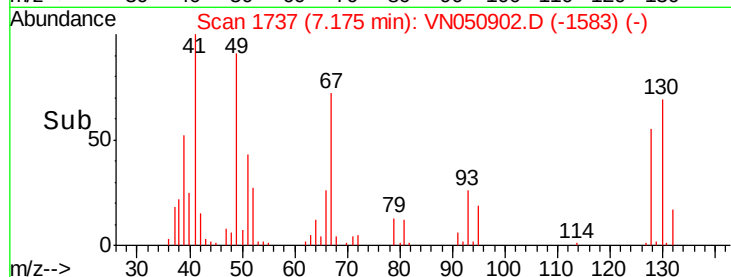
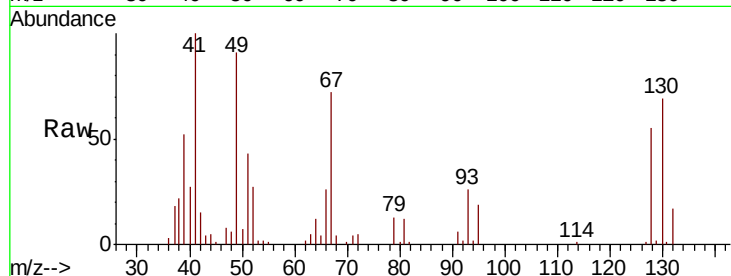




#35
Methacrylonitrile
Concen: 15.98 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

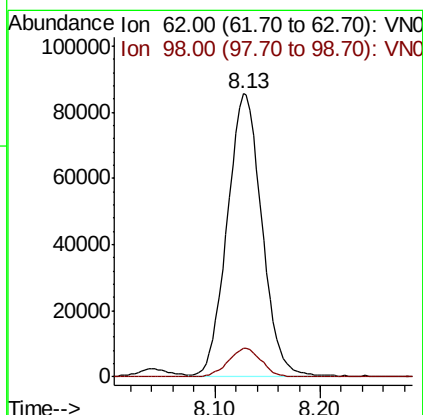
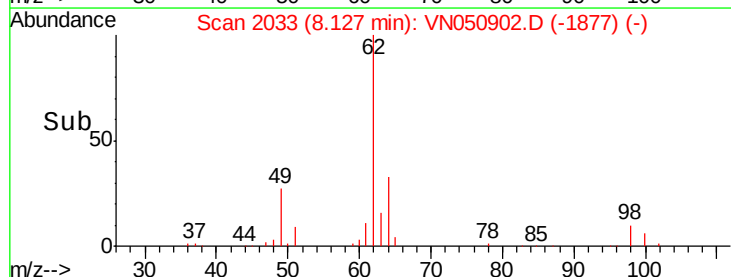
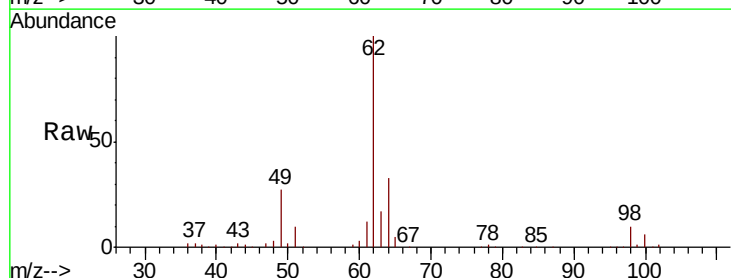
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

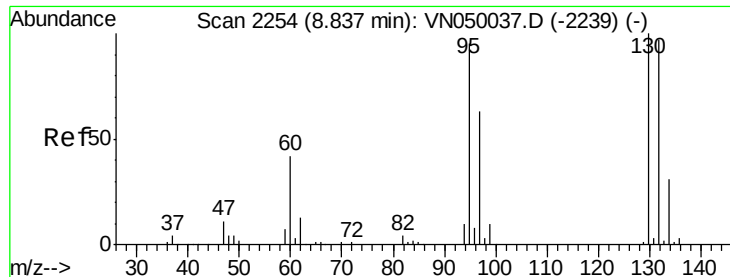
Tot Ion: 41 Resp: 54009
Ion Ratio Lower Upper
41 100
39 51.2 27.6 82.7
67 71.9 35.1 105.5
52 26.7 14.1 42.4



#36
1,2-Dichloroethane
Concen: 20.56 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 62 Resp: 193850
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6

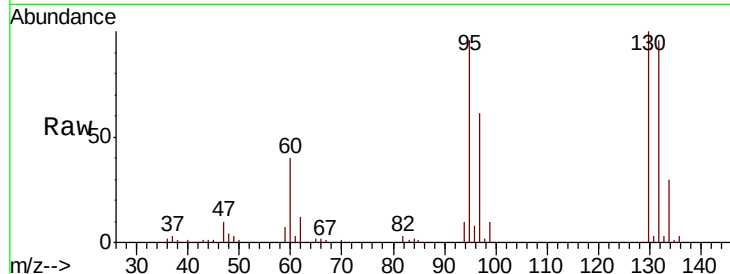




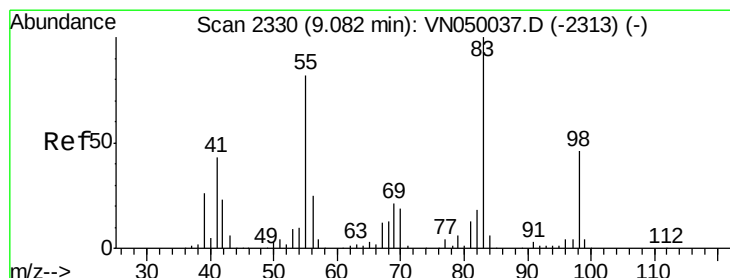
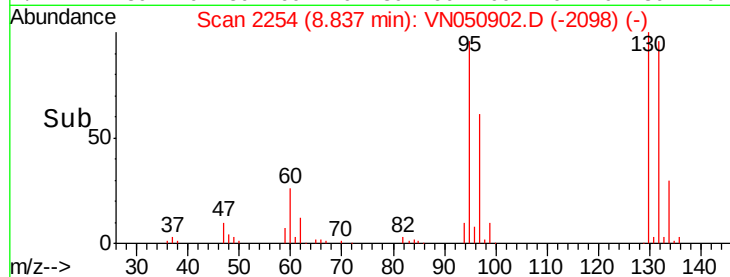
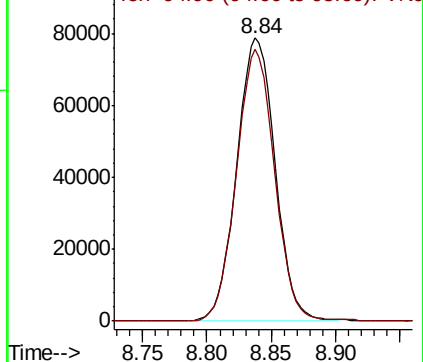
#37
 Trichloroethene
 Concen: 21.71 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

Tot Ion:130 Resp: 163575
 Ion Ratio Lower Upper
 130 100
 95 96.2 79.7 119.5

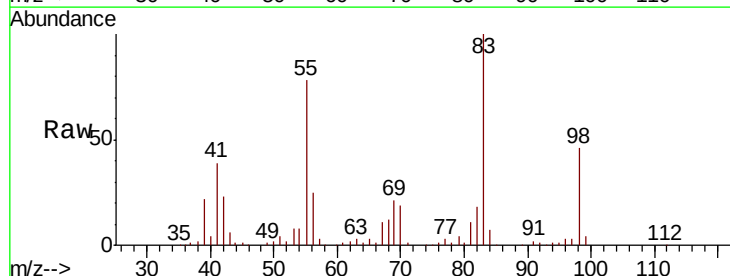


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

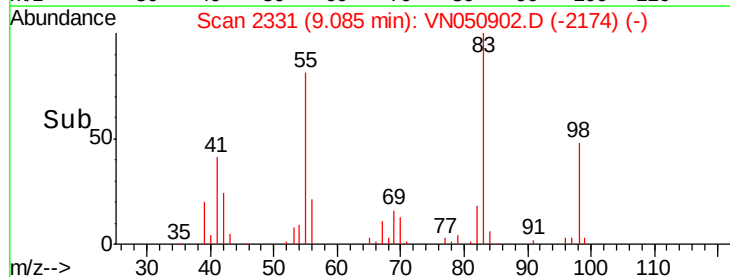
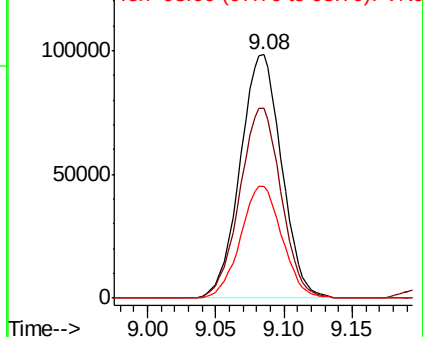


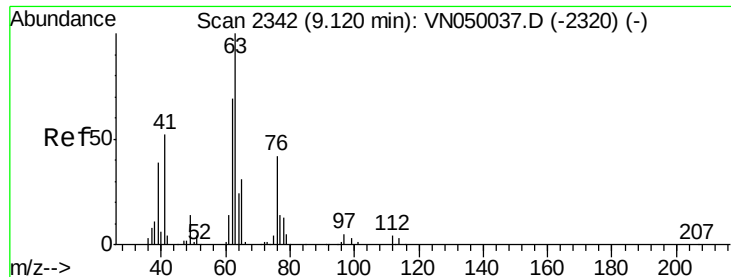
#38
 Methylcyclohexane
 Concen: 20.78 ug/l
 RT: 9.08 min Scan# 2331
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 83 Resp: 207231
 Ion Ratio Lower Upper
 83 100
 55 78.2 39.3 117.8
 98 46.0 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 22.05 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

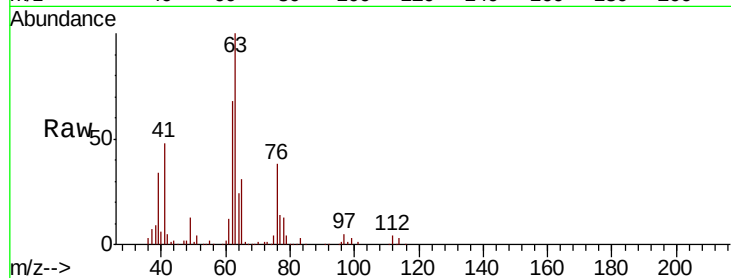
VN0827WBS02

Tot Ion: 63 Resp: 166872

Ion Ratio Lower Upper

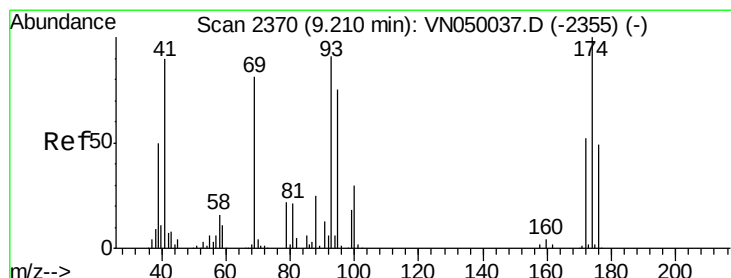
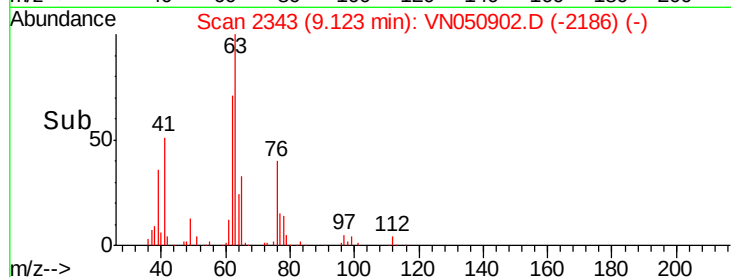
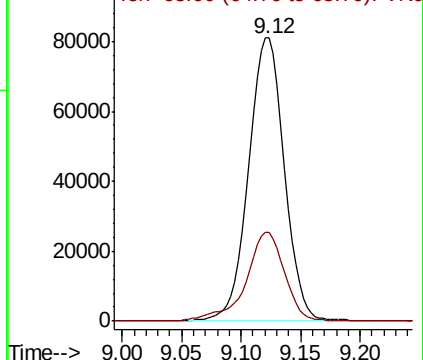
63 100

65 31.3 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: 21.34 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

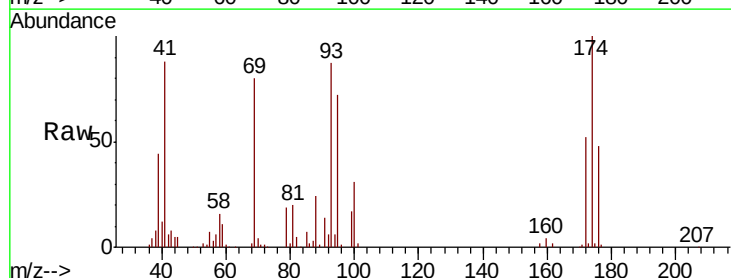
Tgt Ion: 93 Resp: 99792

Ion Ratio Lower Upper

93 100

95 83.8 0.0 165.6

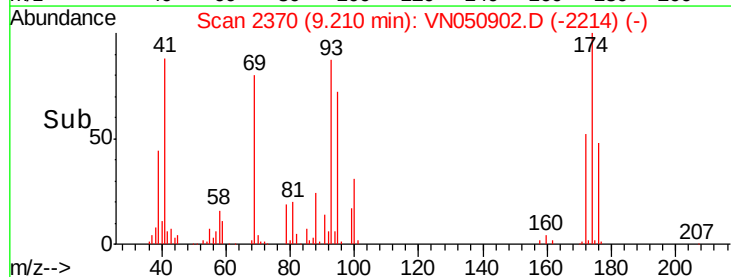
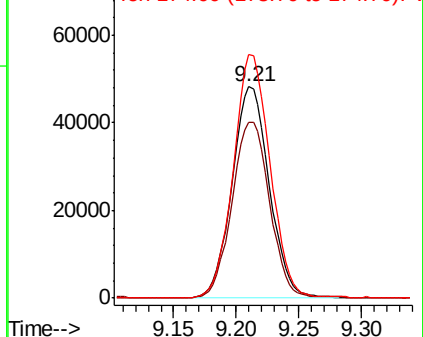
174 113.4 0.0 223.2

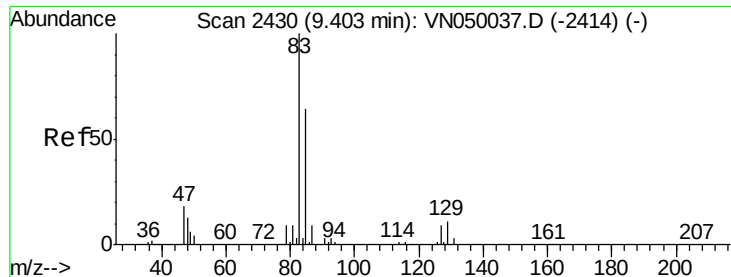


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 21.04 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

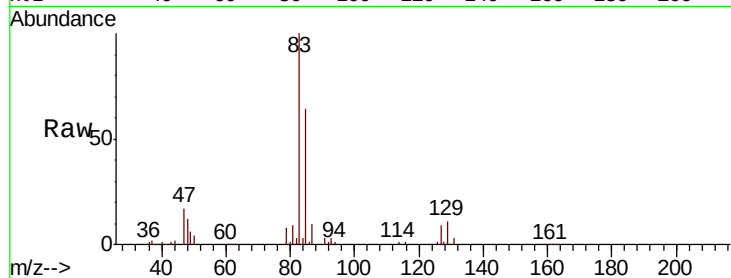
Tot Ion: 83 Resp: 207546

Ion Ratio Lower Upper

83 100

85 64.1 52.6 78.8

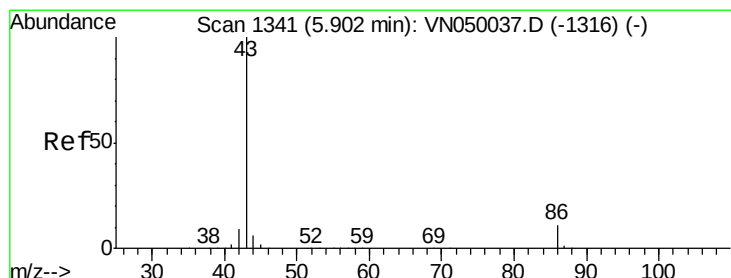
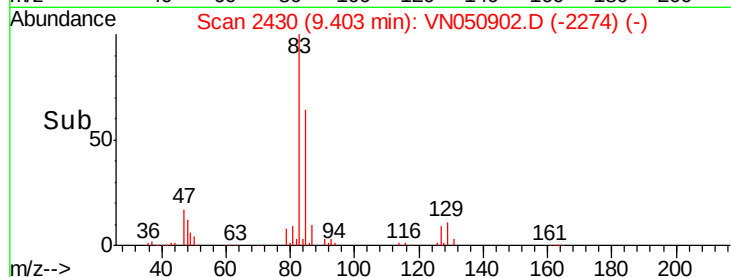
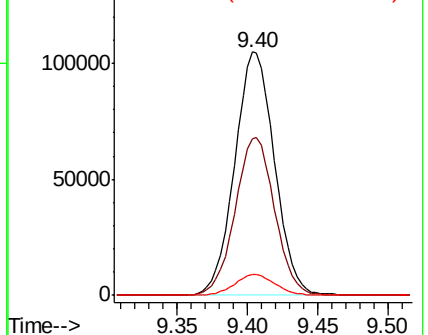
127 8.6 7.0 10.4



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): V



#42

Vinyl Acetate

Concen: 102.55 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050902.D

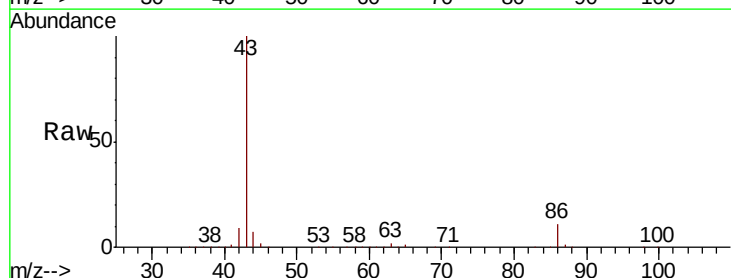
Acq: 27 Aug 2018 18:14

Tgt Ion: 43 Resp: 1432149

Ion Ratio Lower Upper

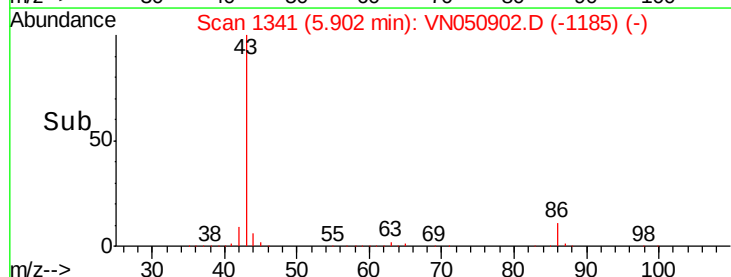
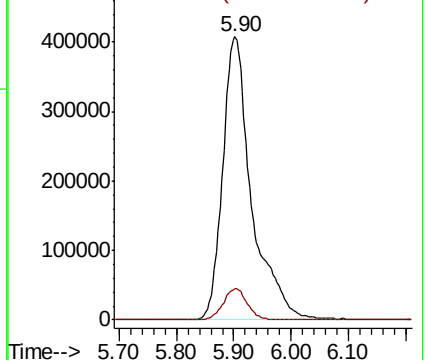
43 100

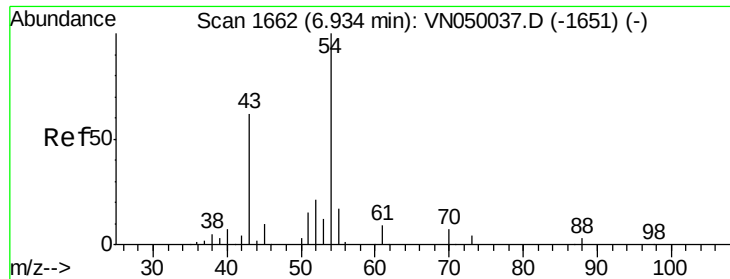
86 9.2 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.96 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

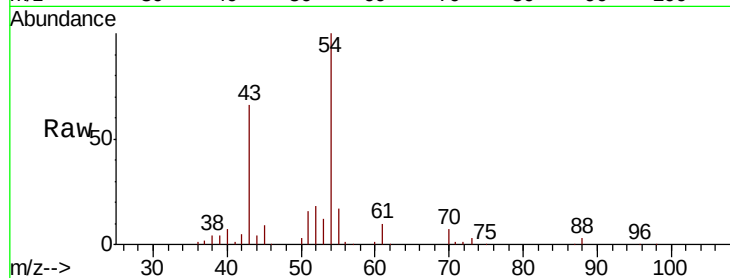
VN0827WBS02

Tot Ion: 43 Resp: 129886

Ion Ratio Lower Upper

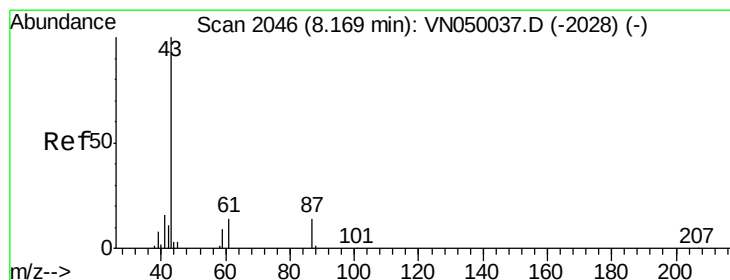
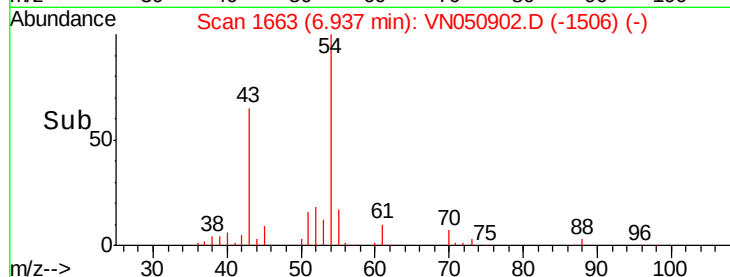
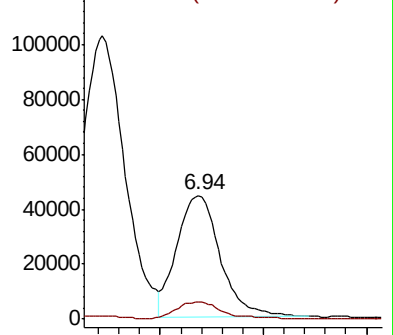
43 100

45 14.6 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: 20.37 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050902.D

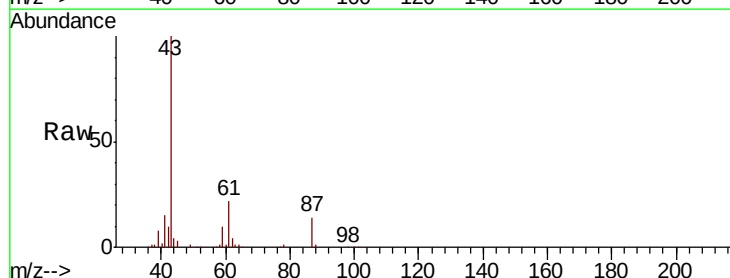
Acq: 27 Aug 2018 18:14

Tgt Ion: 43 Resp: 233817

Ion Ratio Lower Upper

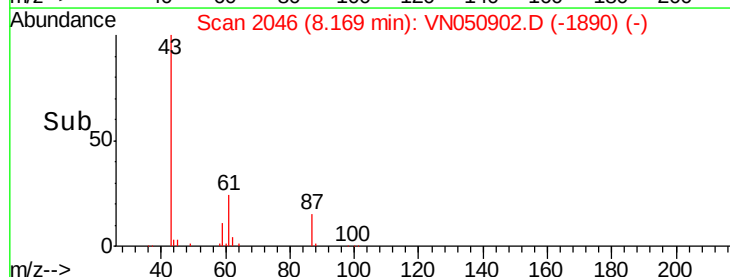
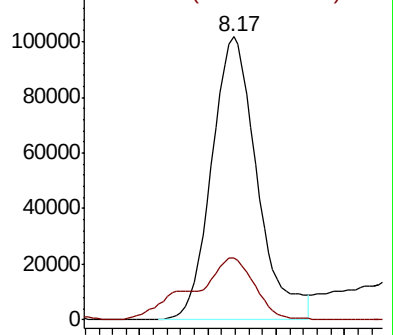
43 100

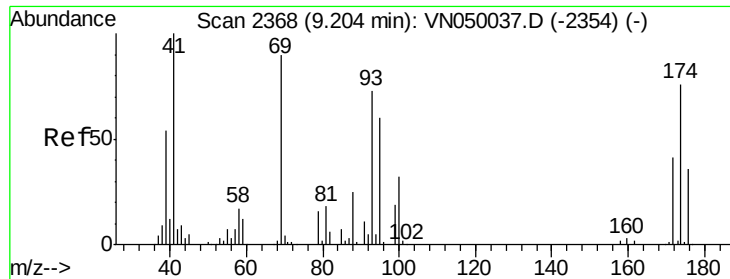
61 20.1 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

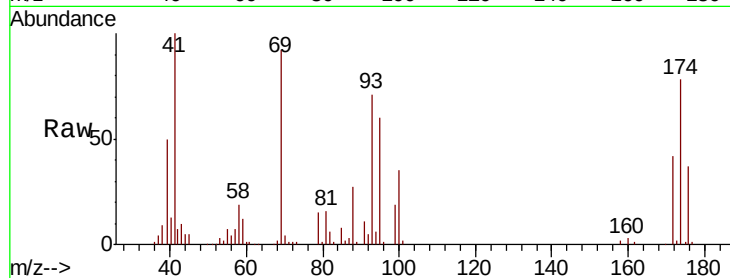




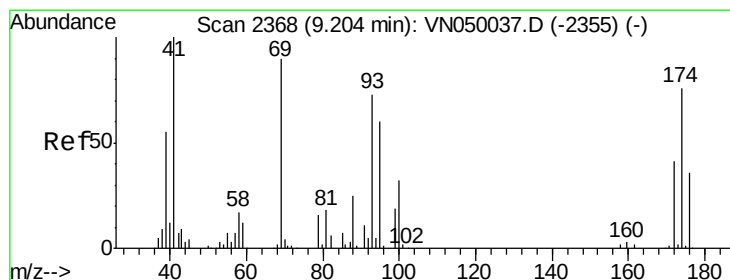
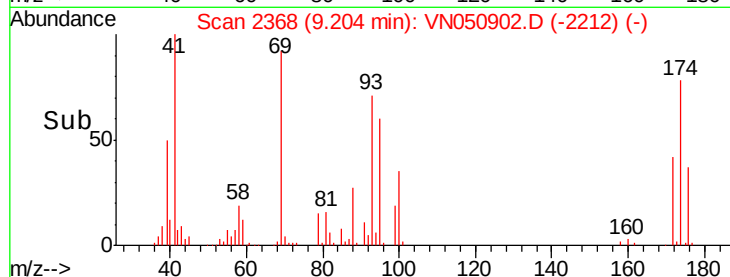
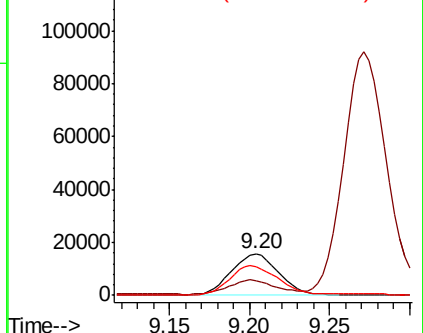
#45
 1,4-Dioxane
 Concen: 422.92 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

Tot Ion: 88 Resp: 31949
 Ion Ratio Lower Upper
 88 100
 43 33.7 26.9 40.3
 58 73.0 53.6 80.4

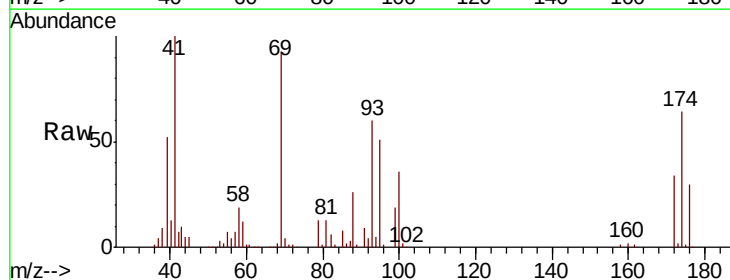


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

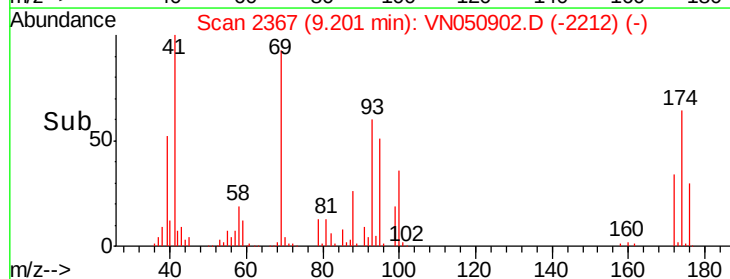
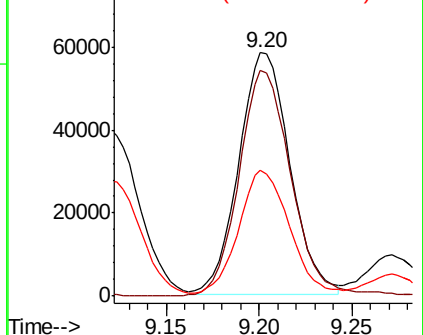


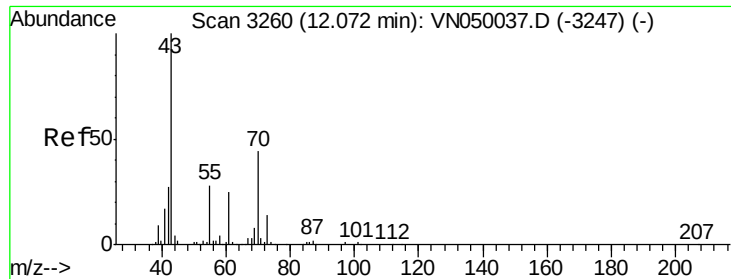
#46
 Methyl methacrylate
 Concen: 20.15 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion: 41 Resp: 112153
 Ion Ratio Lower Upper
 41 100
 69 93.7 44.0 132.1
 39 51.5 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: 18.93 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

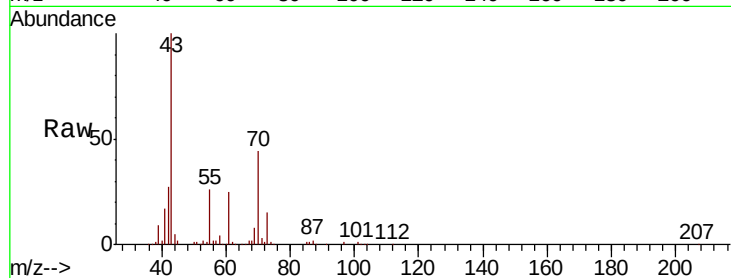
VN0827WBS02

Tot Ion: 43 Resp: 169056

Ion Ratio Lower Upper

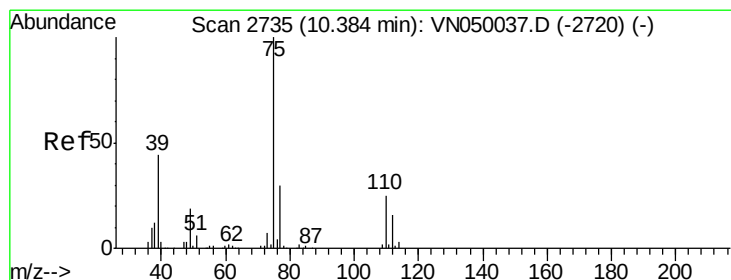
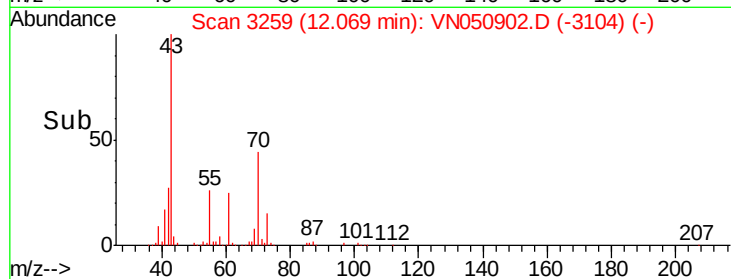
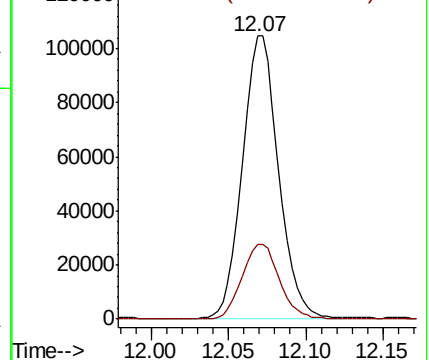
43 100

55 27.6 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.97 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050902.D

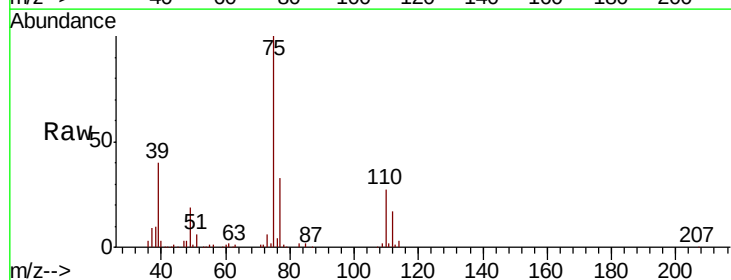
Acq: 27 Aug 2018 18:14

Tgt Ion: 75 Resp: 197135

Ion Ratio Lower Upper

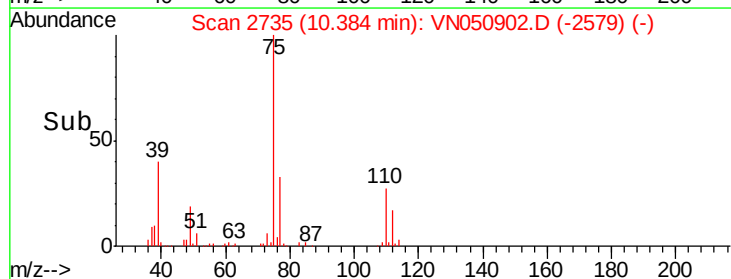
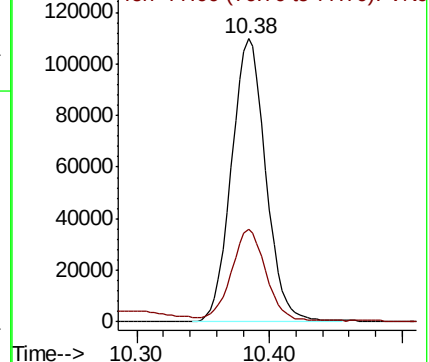
75 100

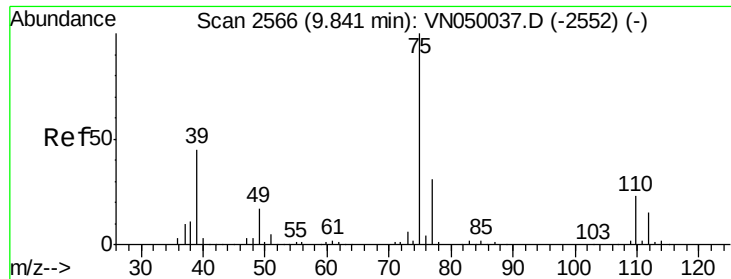
77 32.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

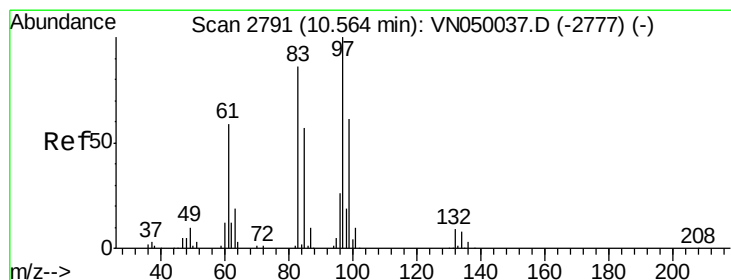
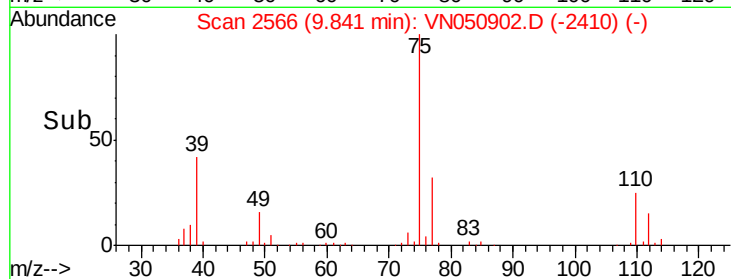
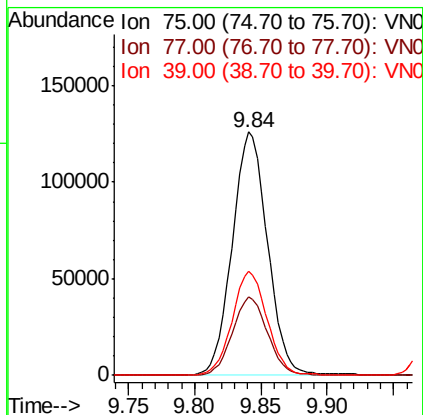
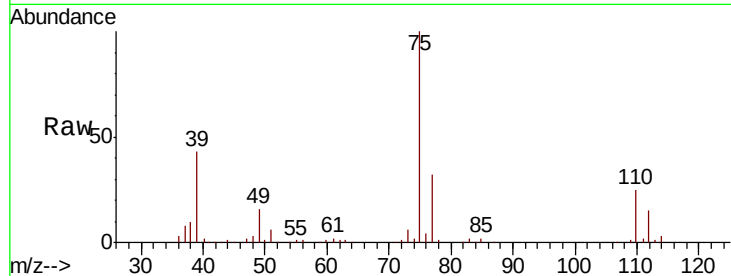




#49
 cis-1,3-Dichloropropene
 Concen: 21.11 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

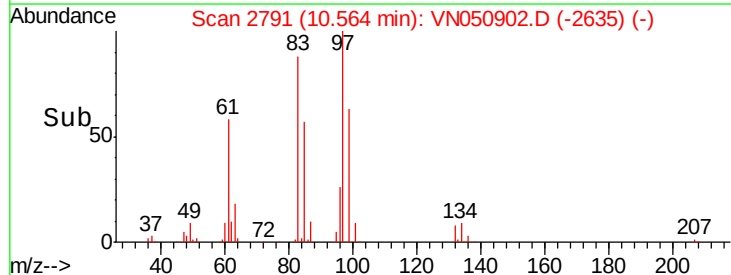
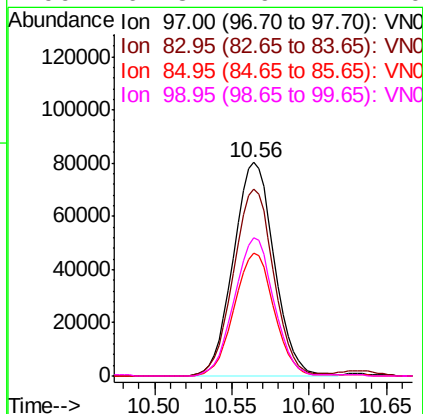
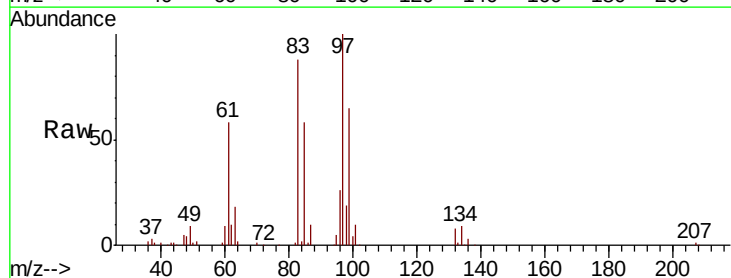
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

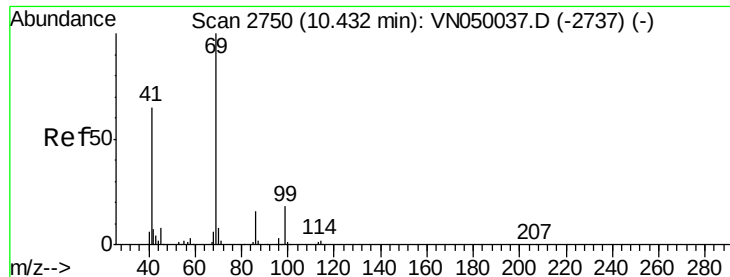
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	42.6	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 21.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.7	68.1	102.1
85	57.7	45.4	68.2
99	64.8	49.4	74.0





#51

Ethyl methacrylate

Concen: 20.44 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampled :

VN0827WBS02

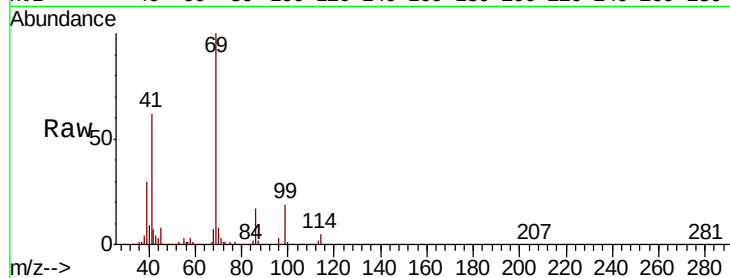
Tot Ion: 69 Resp: 166561

Ion Ratio Lower Upper

69 100

41 61.4 31.9 95.9

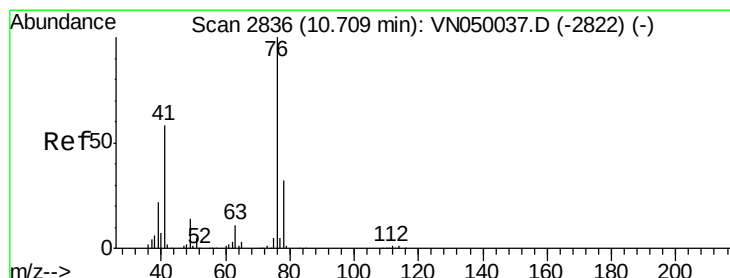
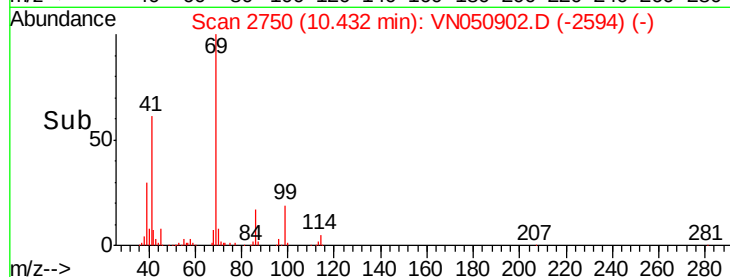
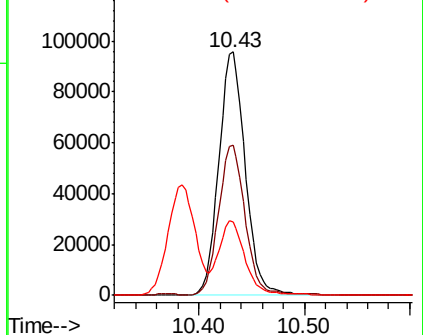
39 29.9 16.7 50.1



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: 21.44 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050902.D

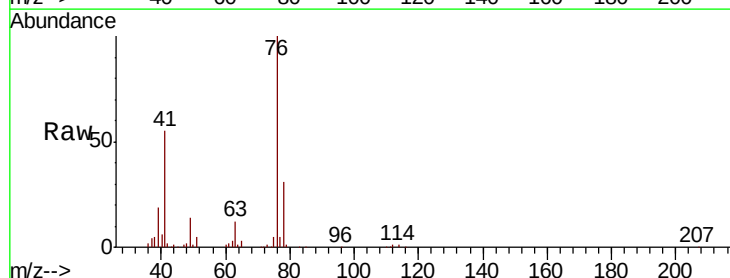
Acq: 27 Aug 2018 18:14

Tgt Ion: 76 Resp: 236359

Ion Ratio Lower Upper

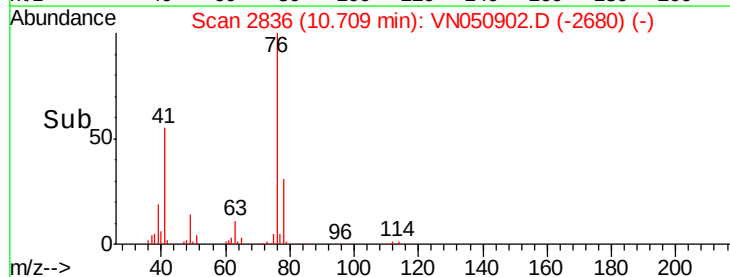
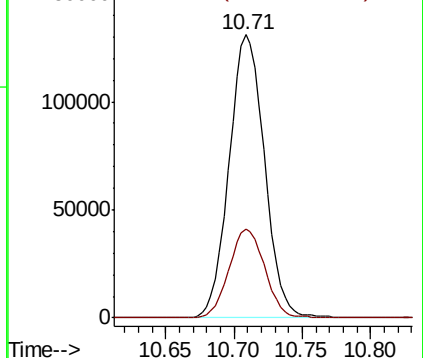
76 100

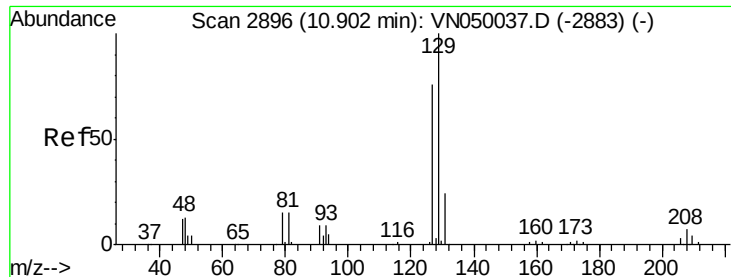
78 31.7 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.64 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

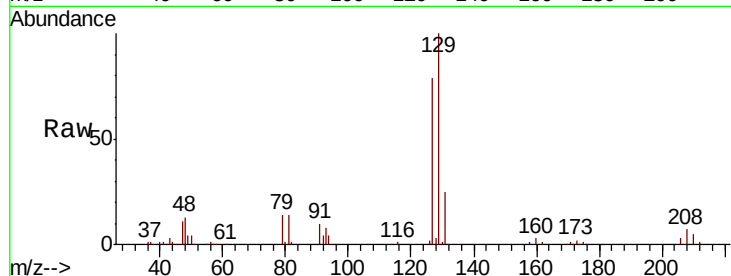
VN0827WBS02

Tot Ion:129 Resp: 157229

Ion Ratio Lower Upper

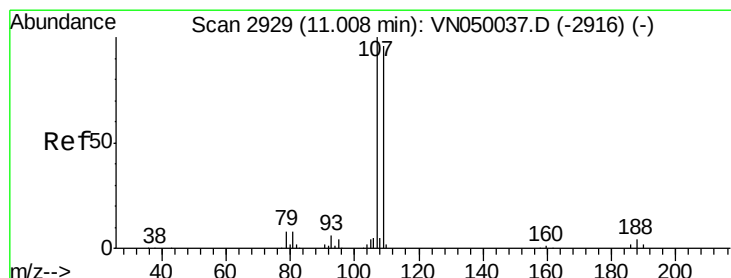
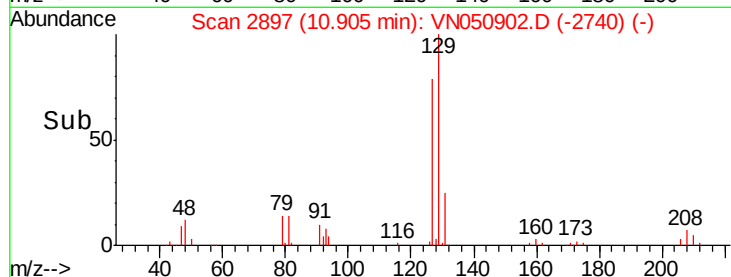
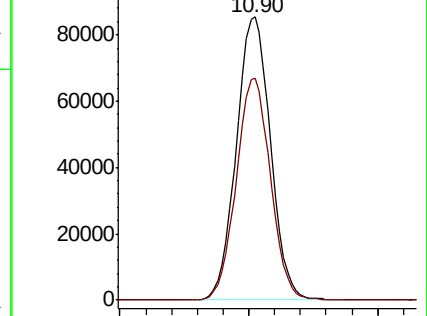
129 100

127 78.3 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: 21.16 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050902.D

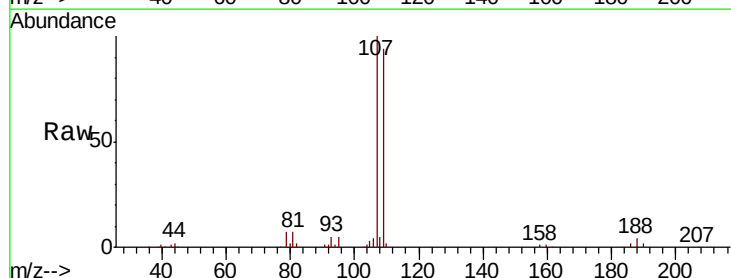
Acq: 27 Aug 2018 18:14

Tgt Ion:107 Resp: 139086

Ion Ratio Lower Upper

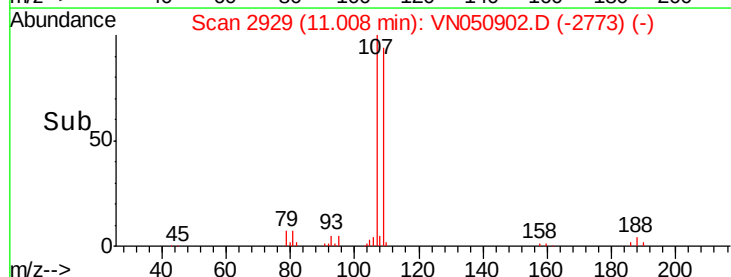
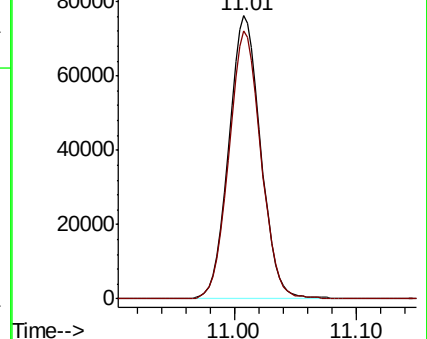
107 100

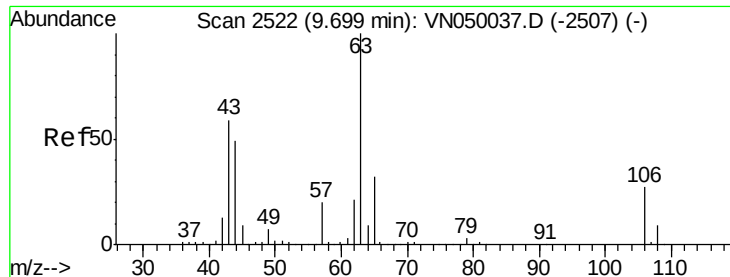
109 94.7 76.2 114.2



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: 92.21 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

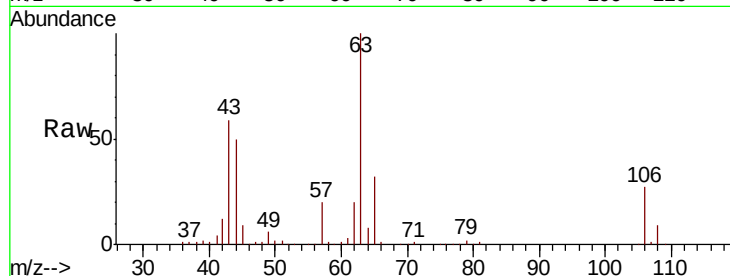
Tot Ion: 63 Resp: 340010

Ion Ratio Lower Upper

63 100

65 31.7 25.5 38.3

106 27.1 21.8 32.6

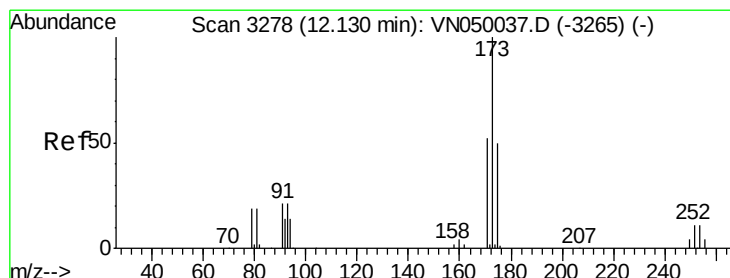
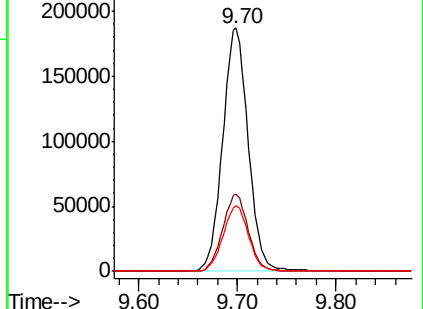
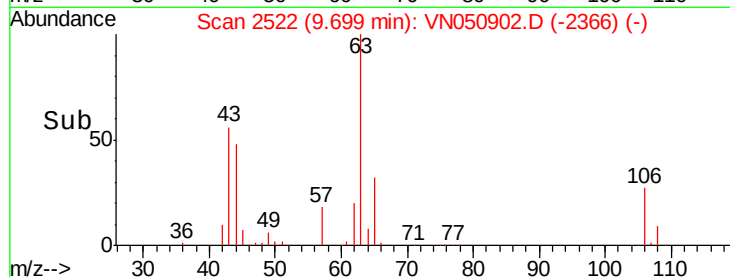


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050037.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050037.D (-2507) (-)

Time-->



#56

Bromoform

Concen: 20.39 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

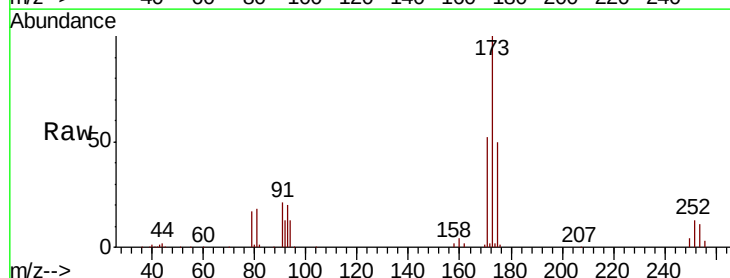
Tgt Ion: 173 Resp: 109658

Ion Ratio Lower Upper

173 100

175 49.4 38.6 57.8

254 11.6 8.8 13.2

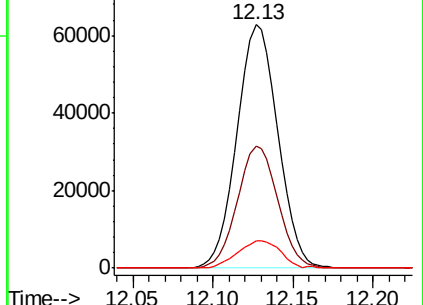
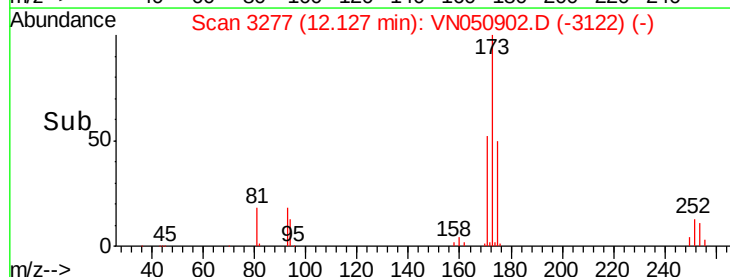


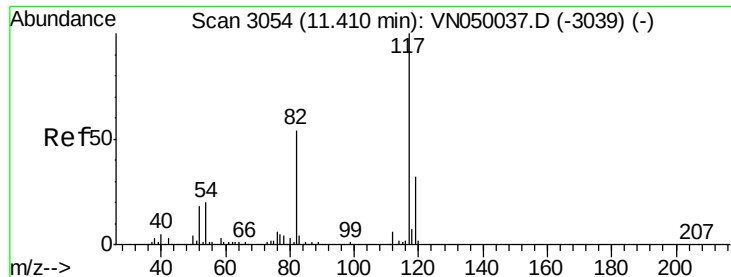
Abundance Ion 173.00 (172.70 to 173.70): VN050037.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050037.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050037.D (-3265) (-)

Time-->

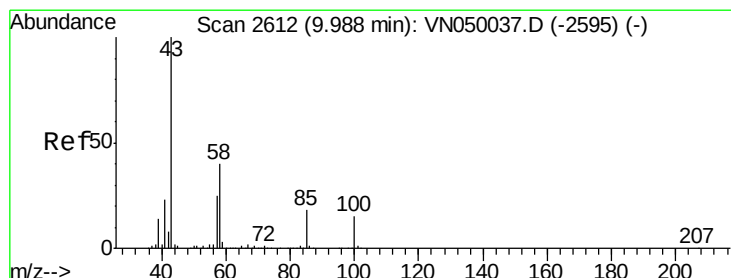
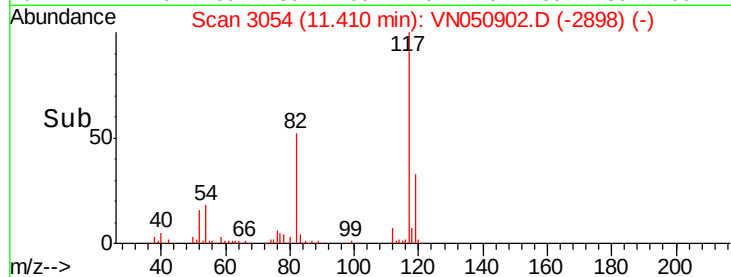
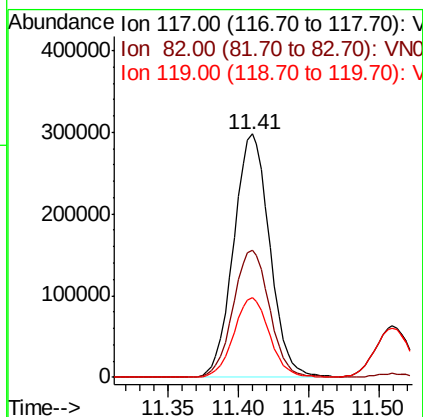
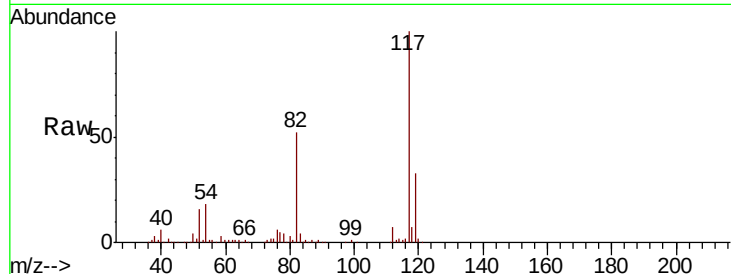




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

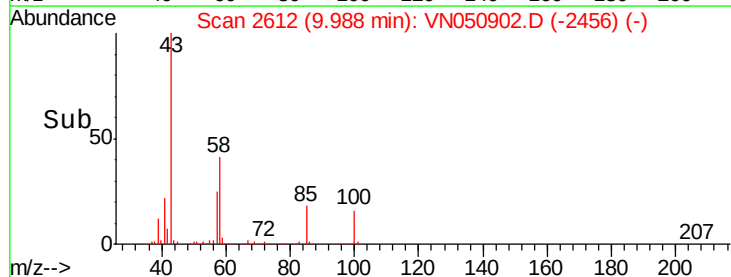
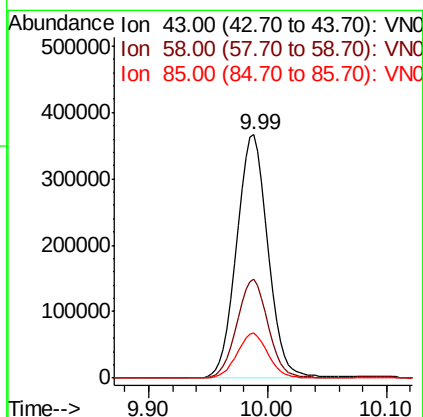
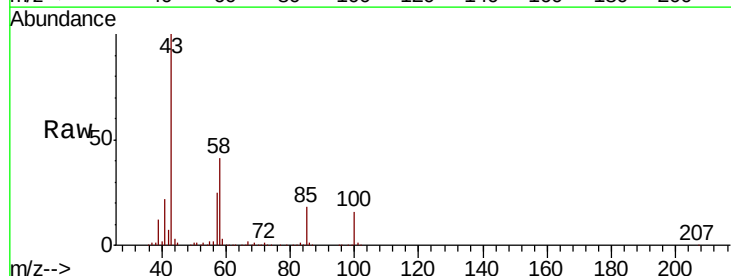
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

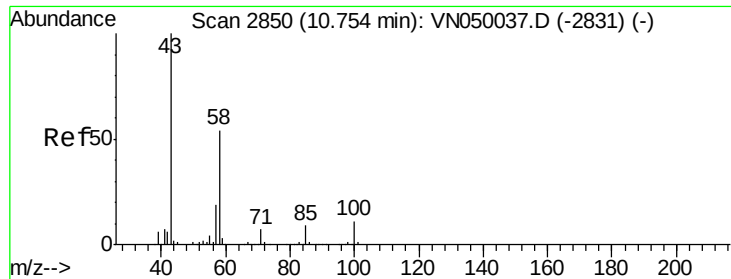
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.4	63.6
119	32.5	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 107.47 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.8	31.2	46.8
85	18.3	14.4	21.6

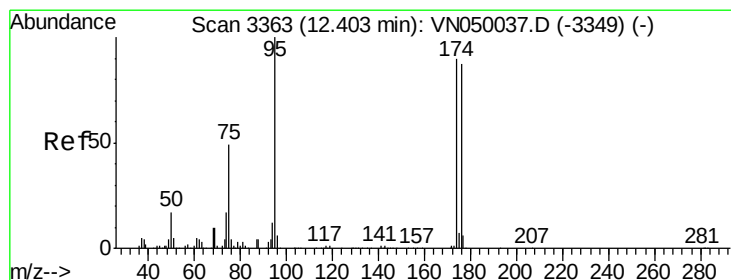
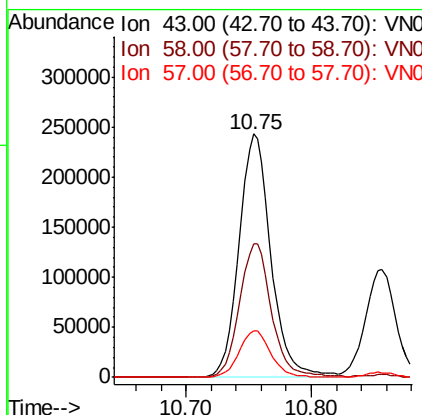
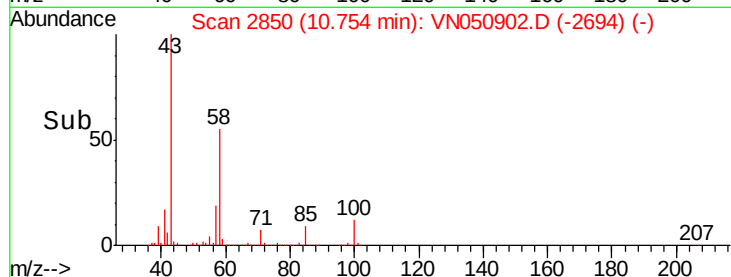
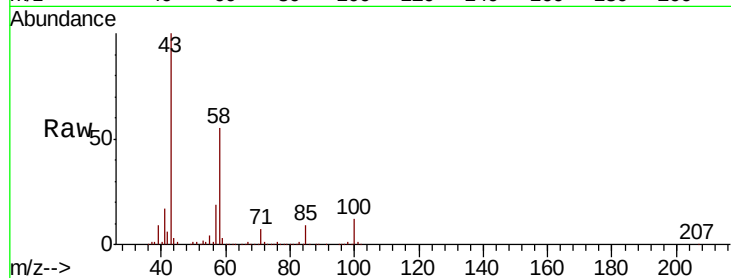




#59
2-Hexanone
Concen: 101.16 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

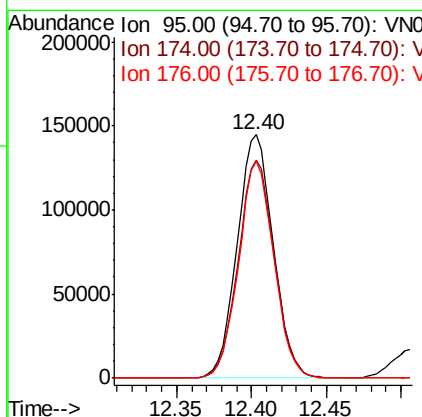
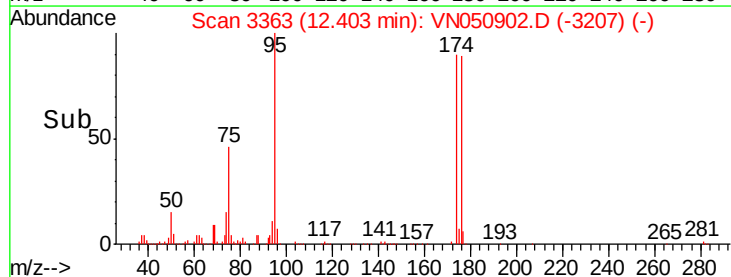
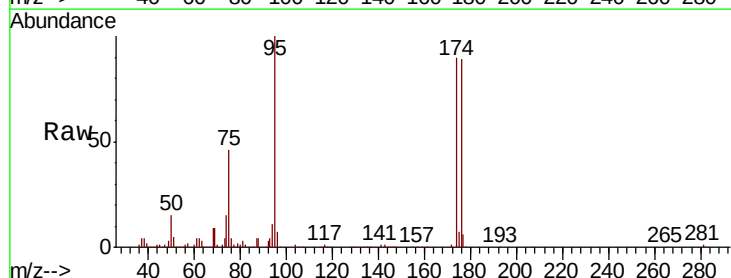
Instrument :
MSVOA_N
ClientSampled :
VN0827WBS02

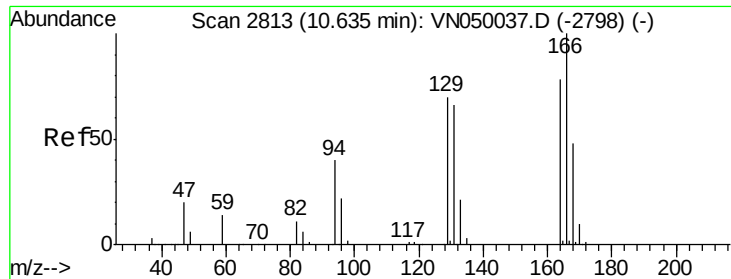
Tot Ion: 43 Resp: 428687
Ion Ratio Lower Upper
43 100
58 55.5 43.8 65.8
57 19.3 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.60 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 95 Resp: 242728
Ion Ratio Lower Upper
95 100
174 89.9 72.3 108.5
176 87.1 70.0 105.0





#61

Tetrachloroethene

Concen: 20.42 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

Tot Ion:164 Resp: 147621

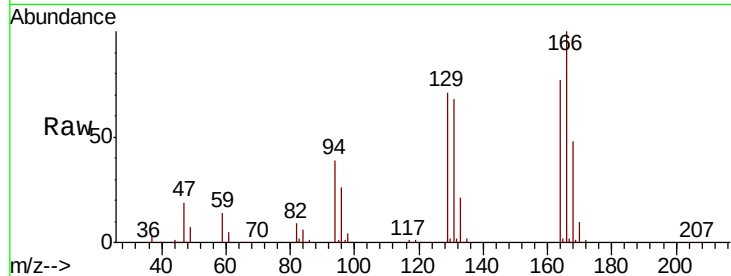
Ion Ratio Lower Upper

164 100

166 130.3 100.0 150.0

129 92.4 69.3 103.9

131 89.2 68.8 103.2

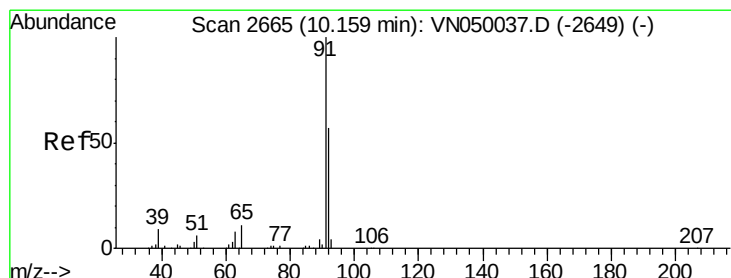
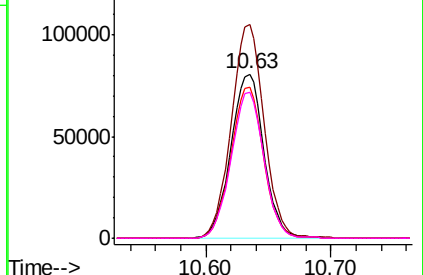
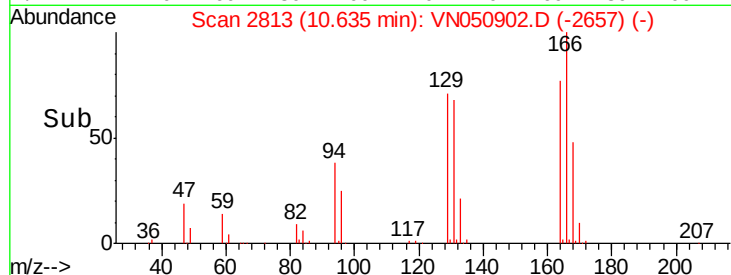


Abundance Ion 163.85 (163.55 to 164.55): V

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: 21.98 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050902.D

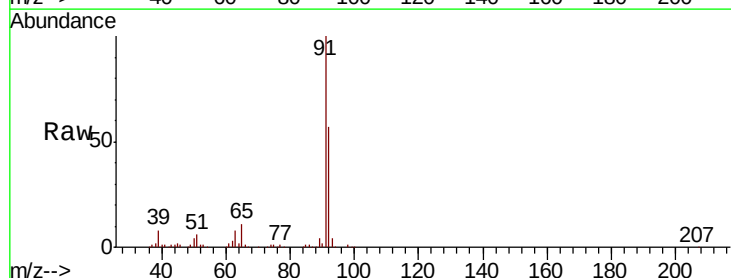
Acq: 27 Aug 2018 18:14

Tgt Ion: 91 Resp: 669446

Ion Ratio Lower Upper

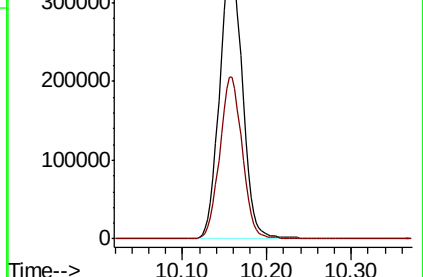
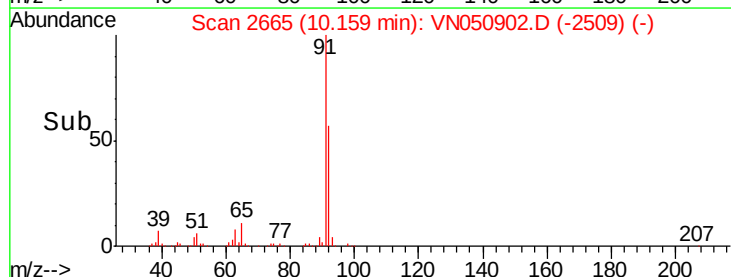
91 100

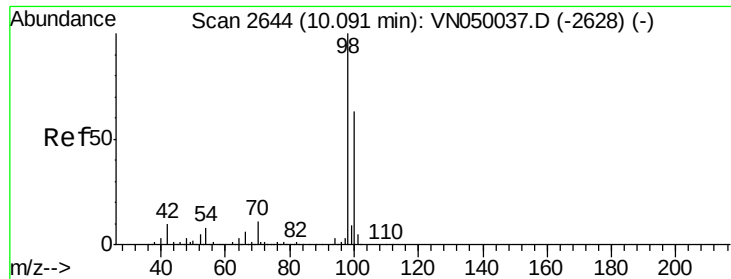
92 57.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

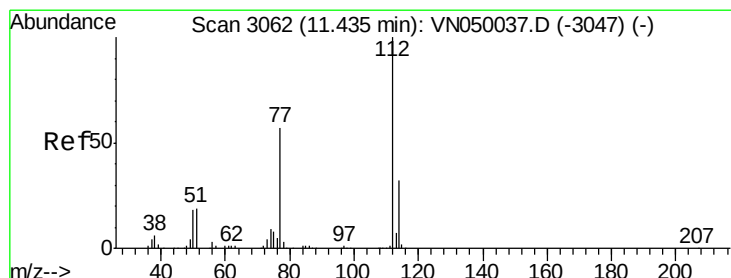
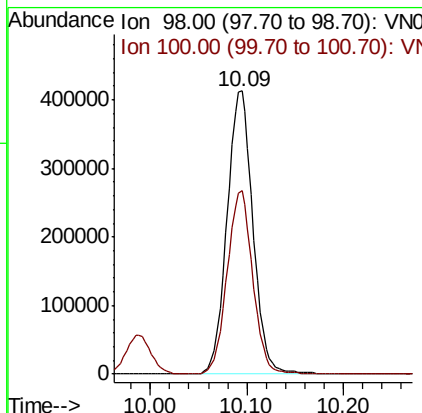
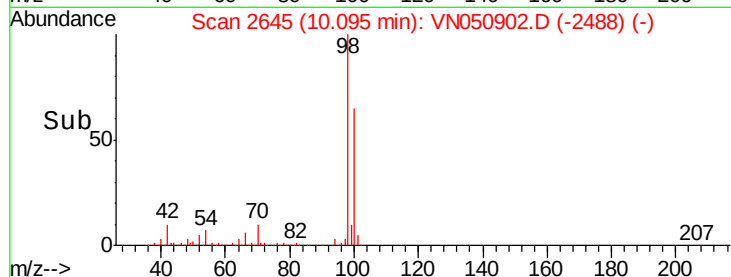
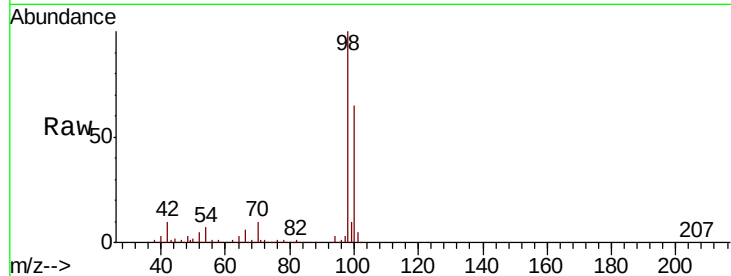




#63
Toluene-d8
Concen: 30.09 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

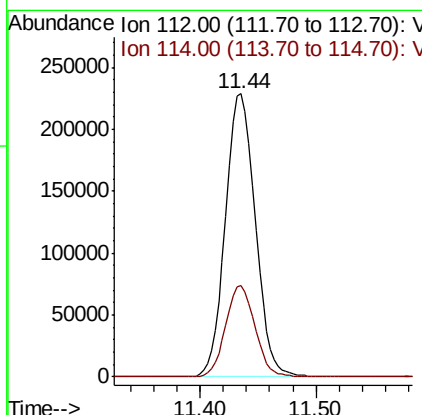
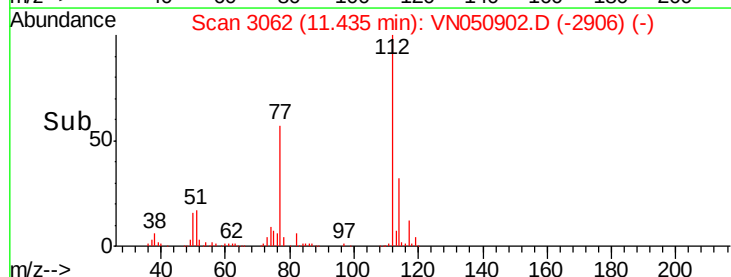
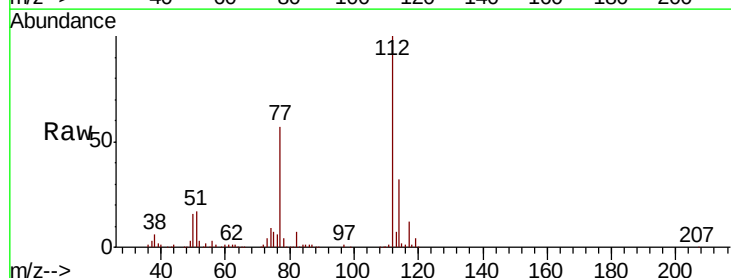
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

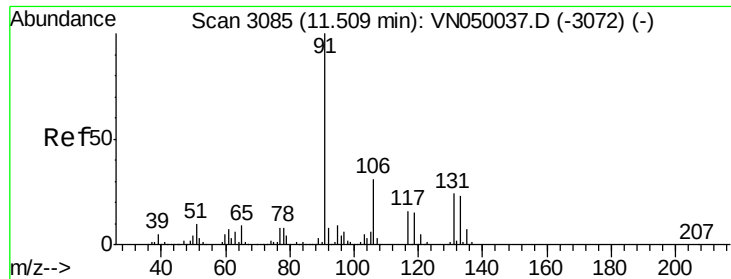
Tot Ion: 98 Resp: 767305
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#64
Chlorobenzene
Concen: 22.07 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 112 Resp: 407536
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 22.06 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

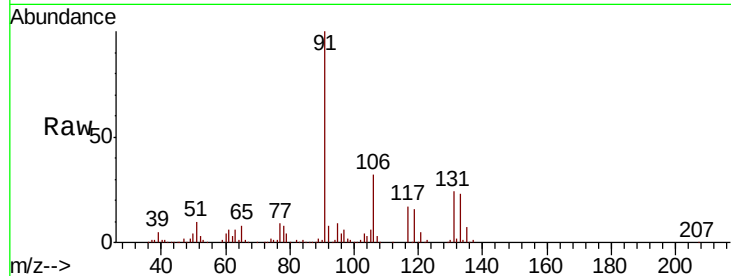
Tot Ion:131 Resp: 158905

Ion Ratio Lower Upper

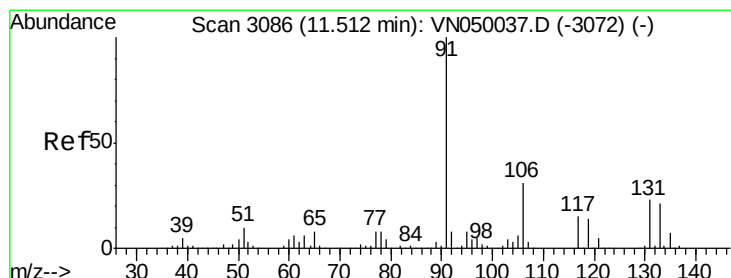
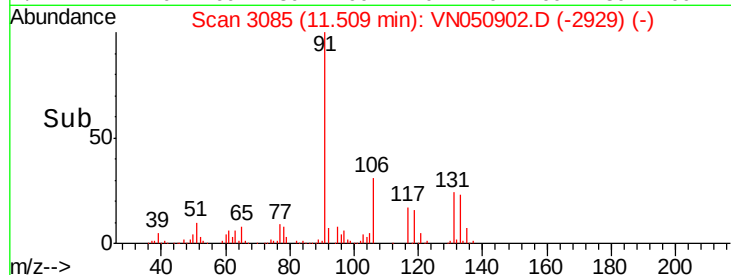
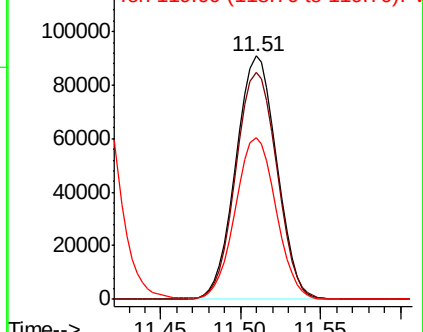
131 100

133 94.3 0.0 190.0

119 66.2 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: 21.31 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050902.D

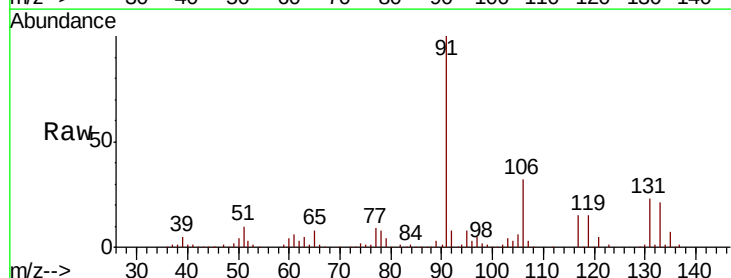
Acq: 27 Aug 2018 18:14

Tgt Ion: 91 Resp: 663197

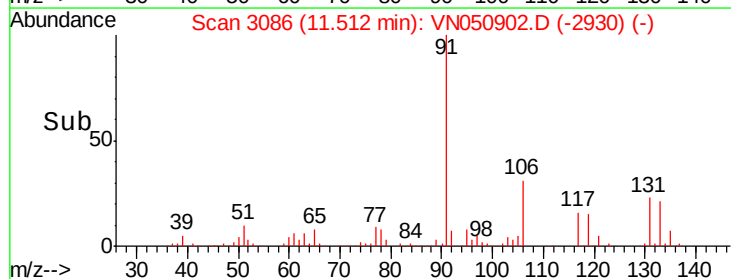
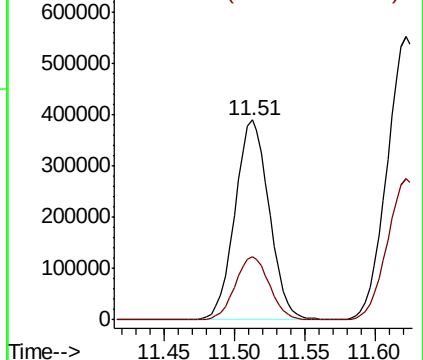
Ion Ratio Lower Upper

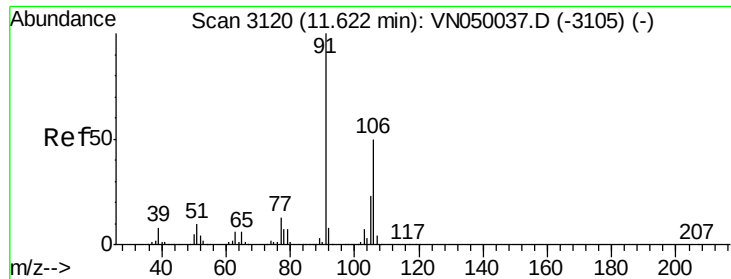
91 100

106 31.6 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

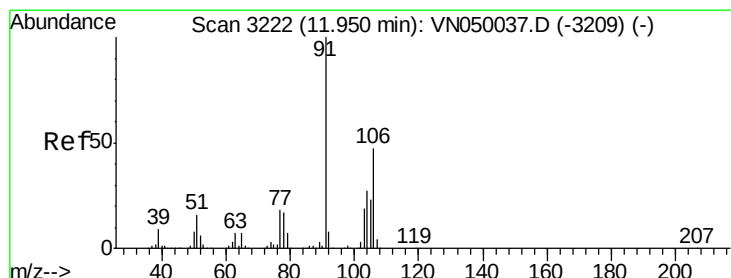
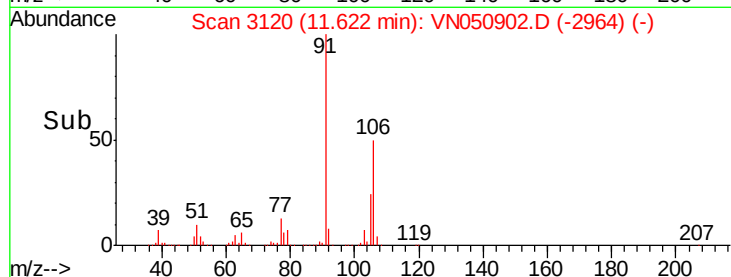
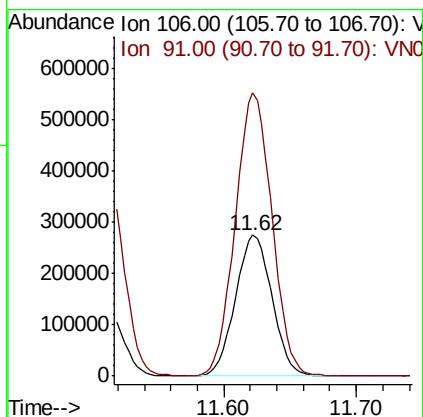
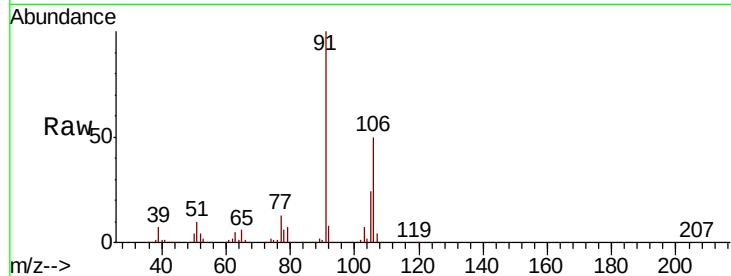




#67
m/p-Xylenes
Concen: 43.96 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

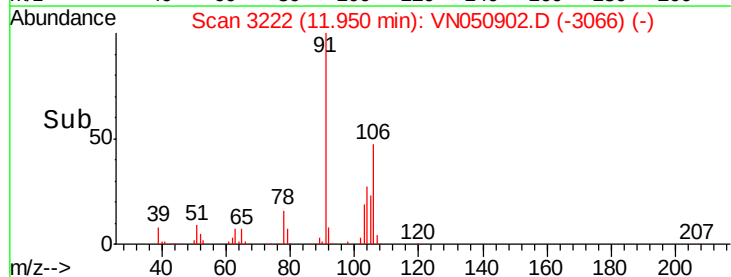
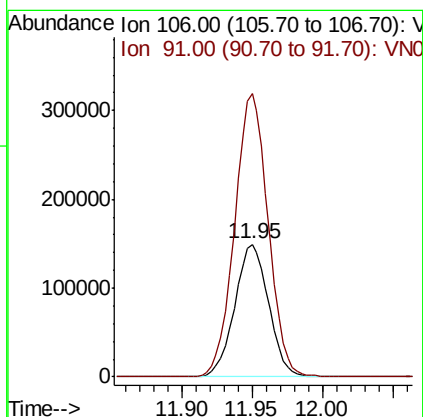
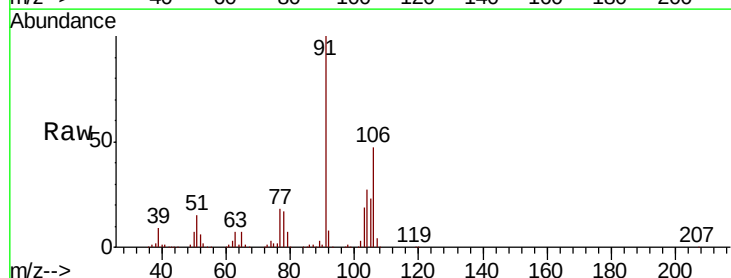
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

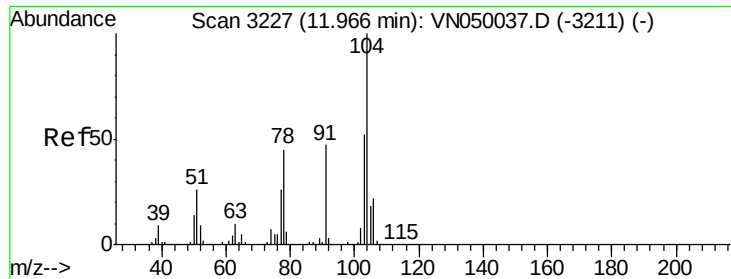
Tot Ion:106 Resp: 526521
Ion Ratio Lower Upper
106 100
91 200.6 162.5 243.7



#68
o-Xylene
Concen: 22.04 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion:106 Resp: 251180
Ion Ratio Lower Upper
106 100
91 211.4 106.8 320.4

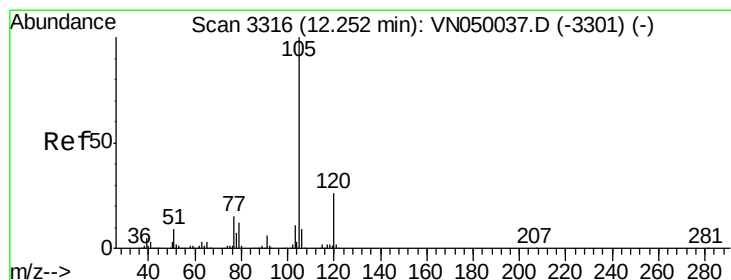
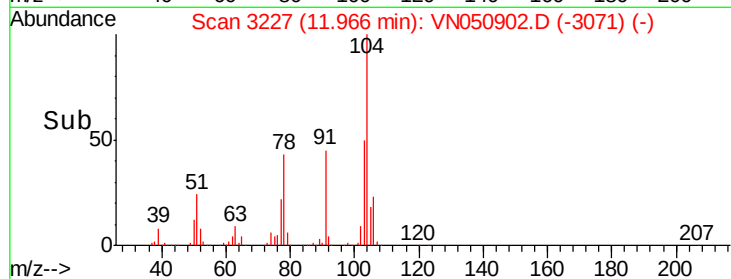
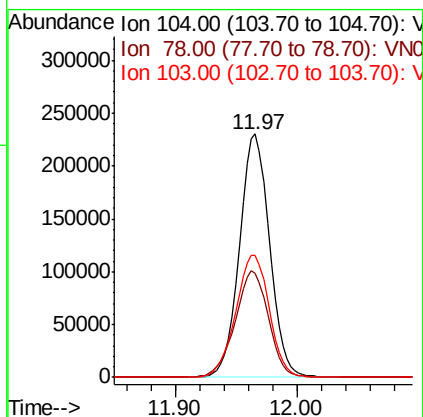
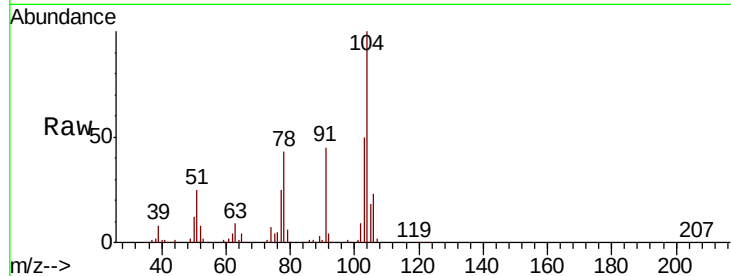




#69
Stvrene
Concen: 21.43 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

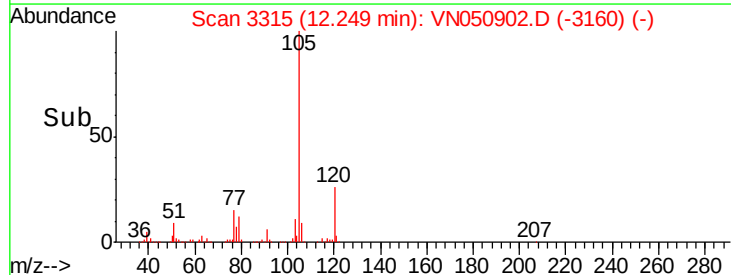
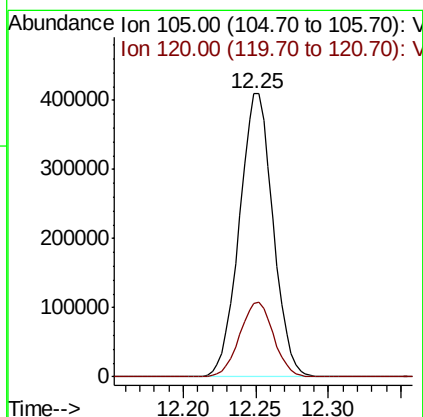
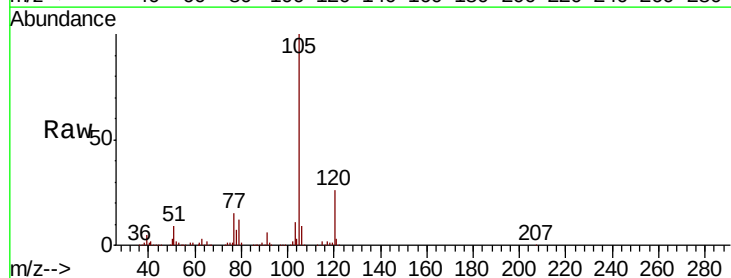
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

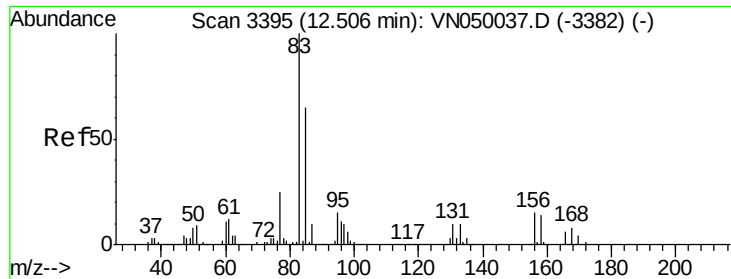
Tot Ion	Ratio	Lower	Upper
104	100		
78	48.6	39.3	58.9
103	56.0	44.5	66.7



#70
Isopropylbenzene
Concen: 21.79 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	18.9	35.1

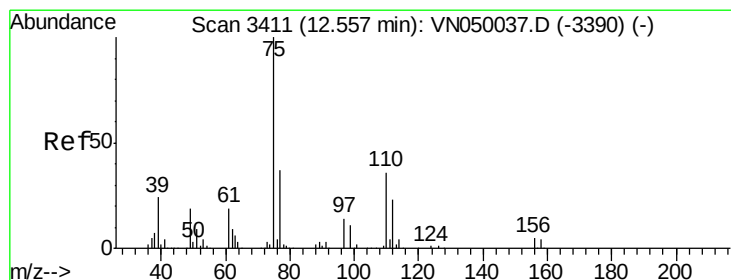
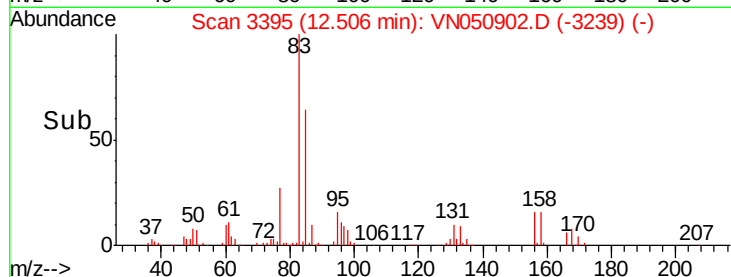
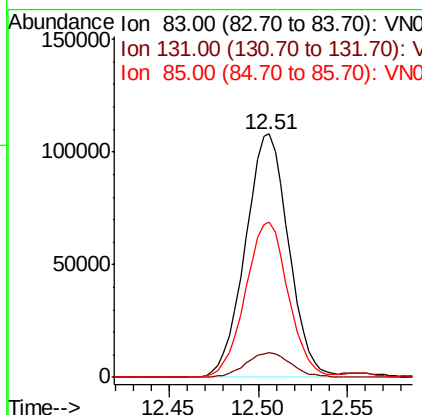
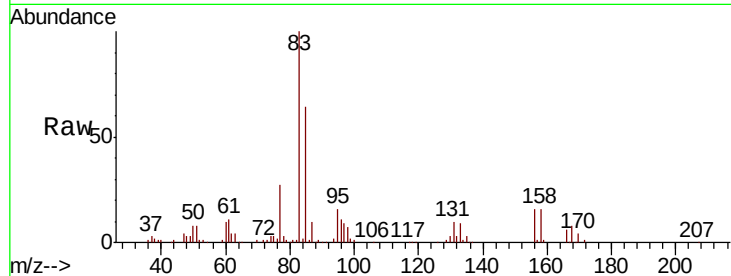




#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.95 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

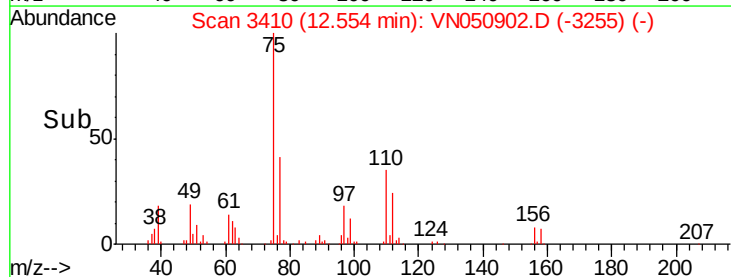
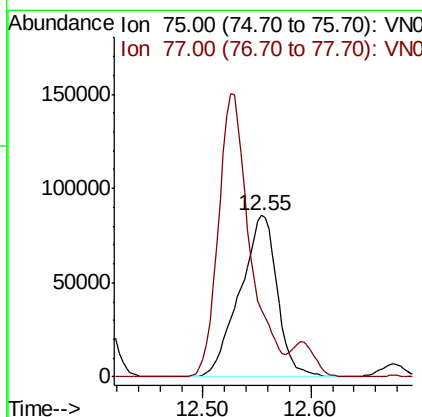
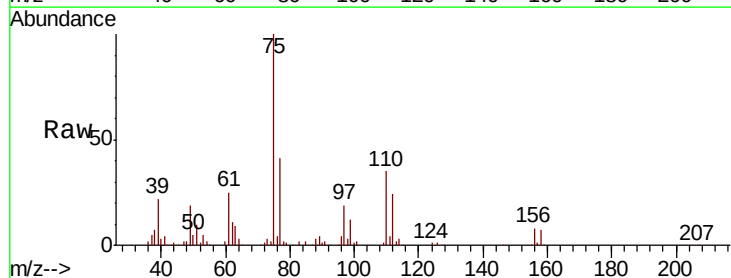
Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS02

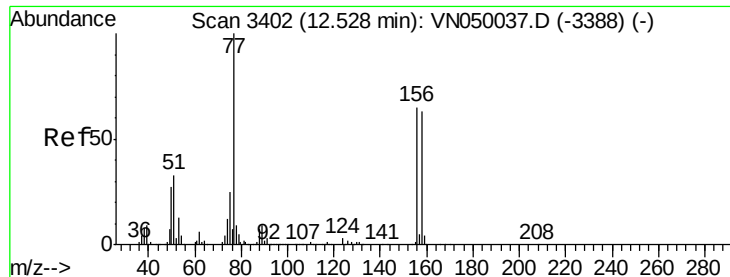
Tot Ion	83	Resp	182926
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	63.1	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 28.91 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion	75	Resp	205795
Ion Ratio	Lower	Upper	
75	100		
77	149.1	0.0	454.4





#73

Bromobenzene

Concen: 20.89 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

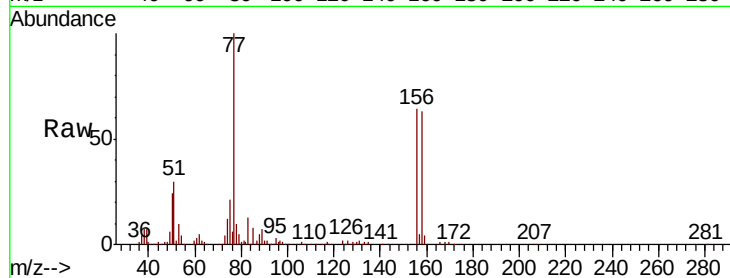
Tot Ion:156 Resp: 168888

Ion Ratio Lower Upper

156 100

77 181.6 0.0 359.8

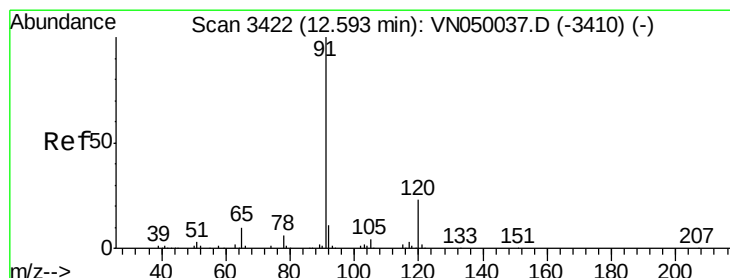
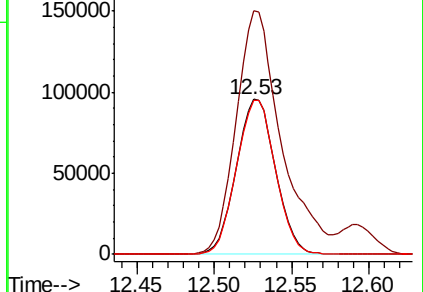
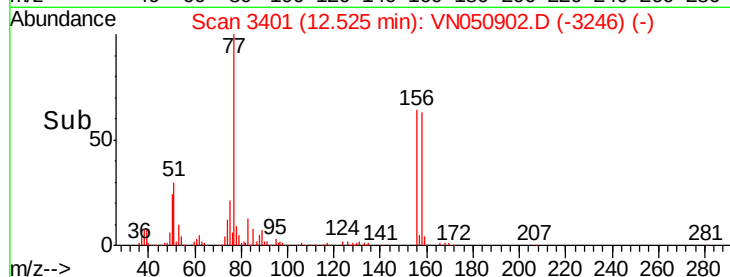
158 98.7 0.0 192.8



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: 20.94 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050902.D

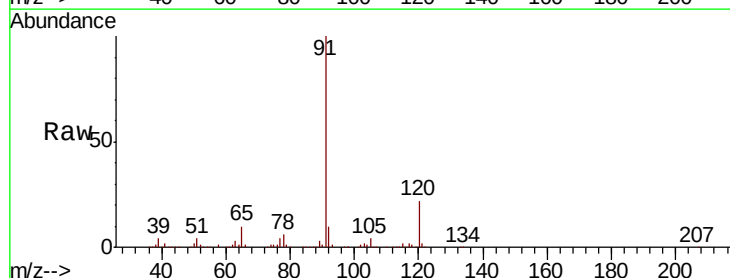
Acq: 27 Aug 2018 18:14

Tgt Ion: 91 Resp: 740301

Ion Ratio Lower Upper

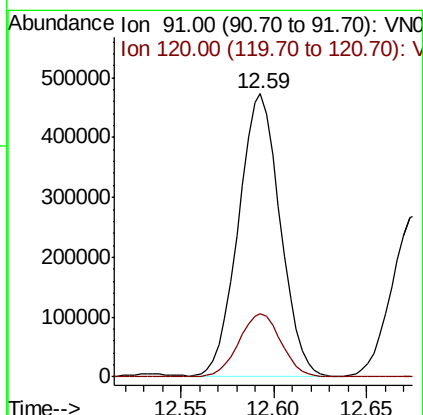
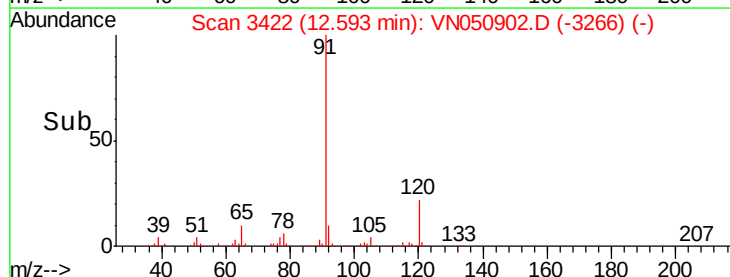
91 100

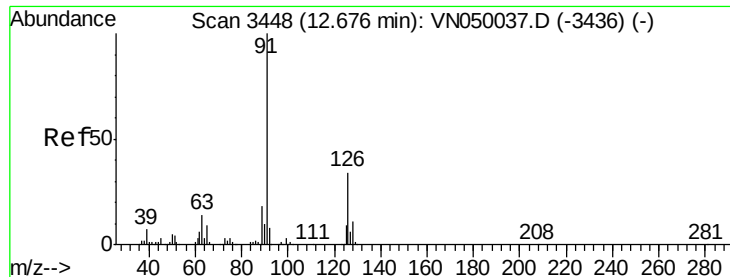
120 22.6 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.51 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

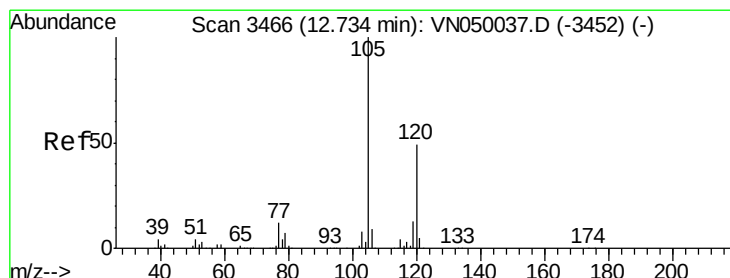
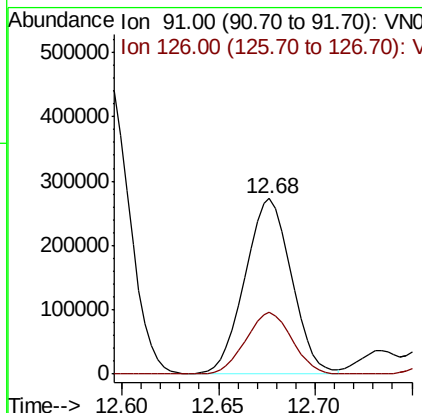
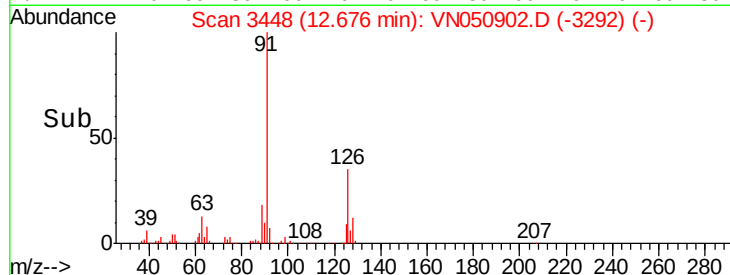
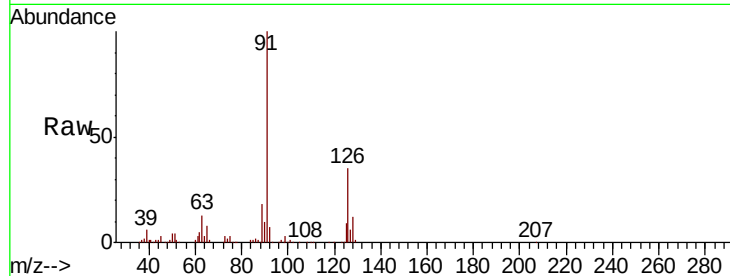
VN0827WBS02

Tot Ion: 91 Resp: 456635

Ion Ratio Lower Upper

91 100

126 35.2 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 21.92 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050902.D

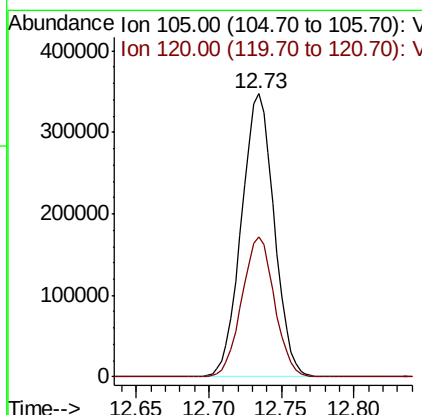
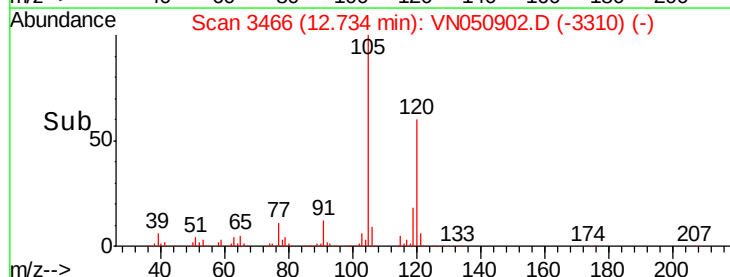
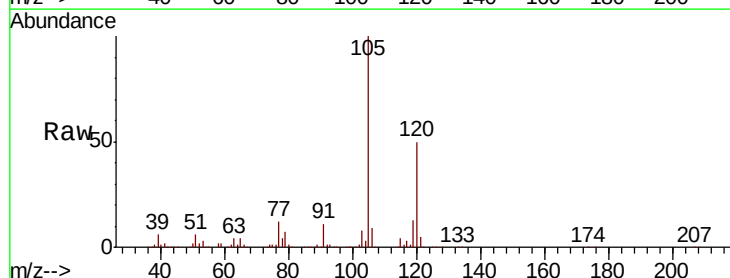
Acq: 27 Aug 2018 18:14

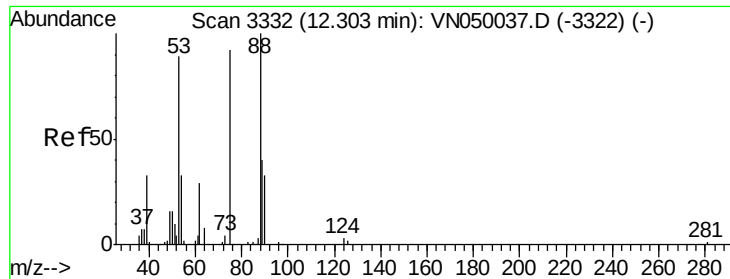
Tgt Ion: 105 Resp: 546566

Ion Ratio Lower Upper

105 100

120 49.3 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.12 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

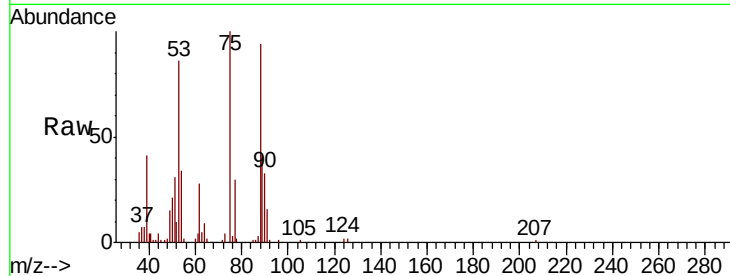
Tot Ion: 75 Resp: 42177

Ion Ratio Lower Upper

75 100

53 85.3 44.6 134.0

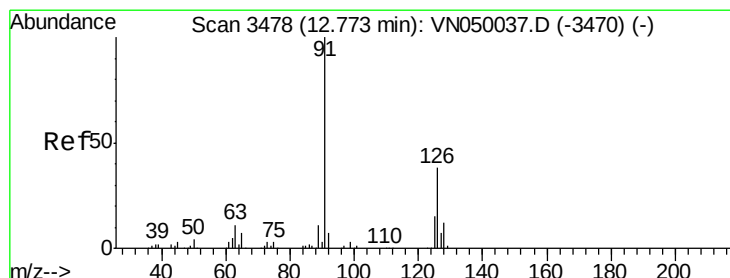
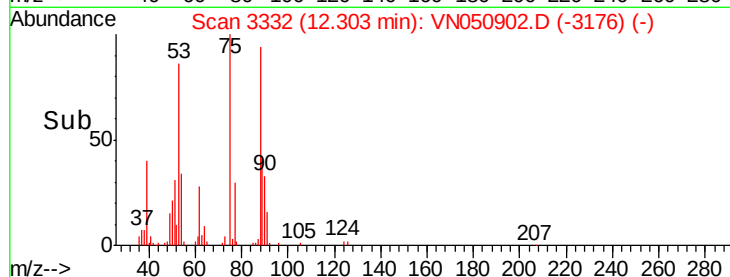
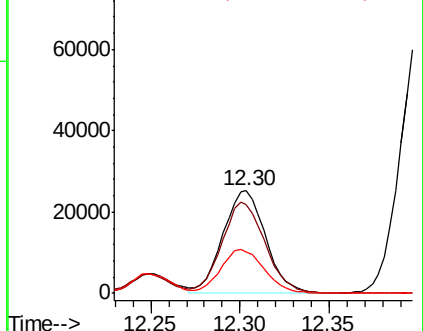
89 40.4 20.7 62.1



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: 21.02 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050902.D

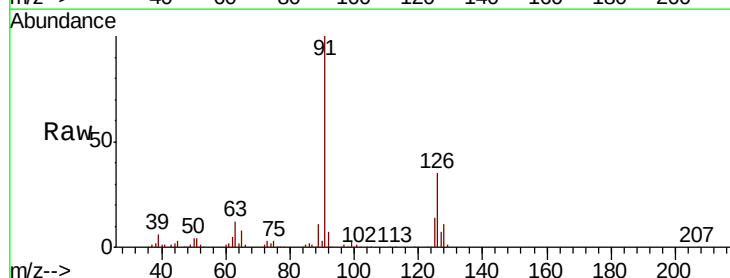
Acq: 27 Aug 2018 18:14

Tgt Ion: 91 Resp: 442327

Ion Ratio Lower Upper

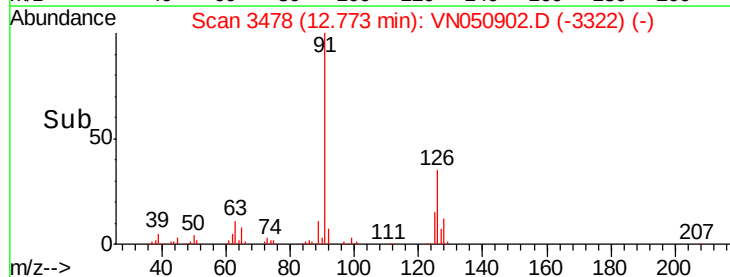
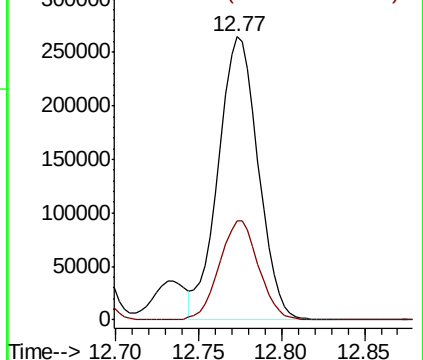
91 100

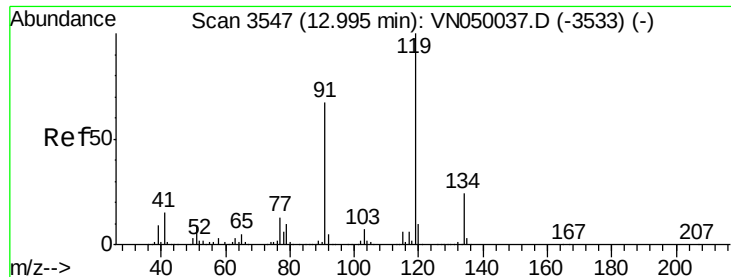
126 34.4 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

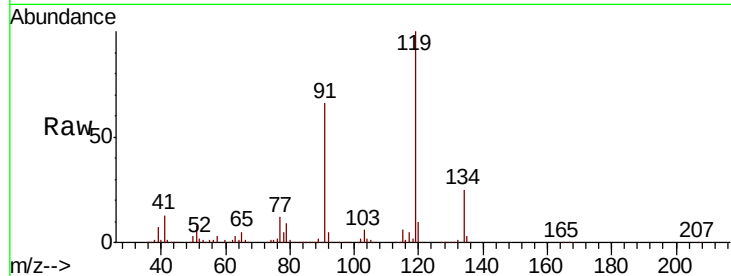




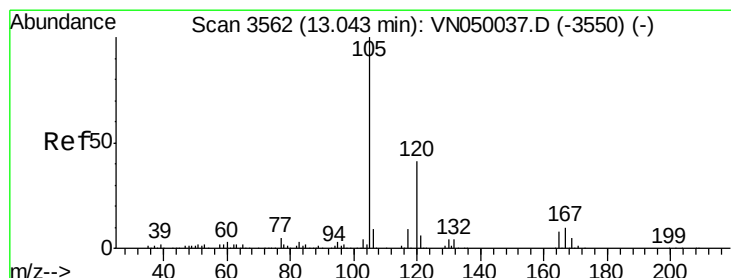
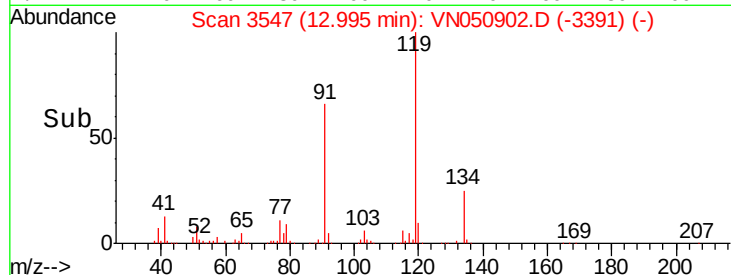
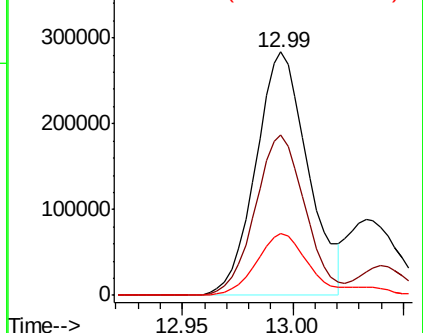
#79
 tert-butylbenzene
 Concen: 21.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Instrument :
 MSVOA_N
 ClientSampled :
 VN0827WBS02

Tot Ion:119 Resp: 466382
 Ion Ratio Lower Upper
 119 100
 91 63.1 0.0 126.8
 134 25.0 0.0 47.4

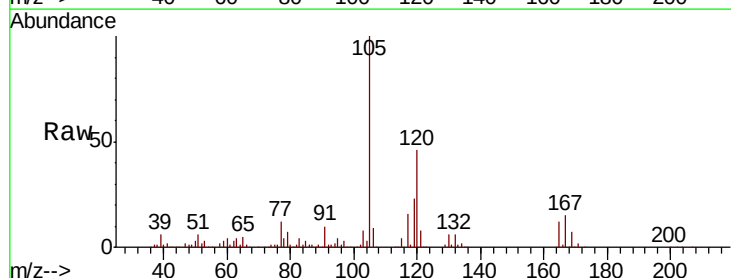


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

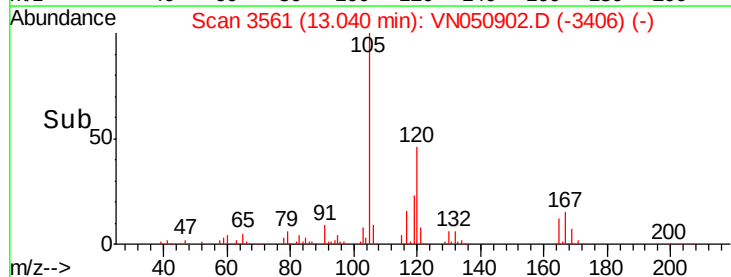
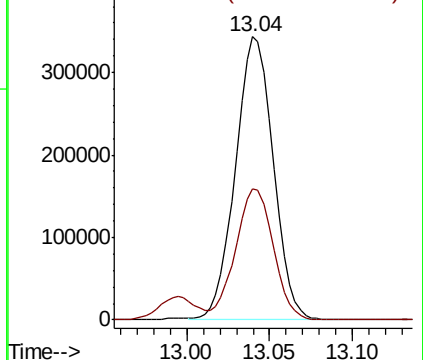


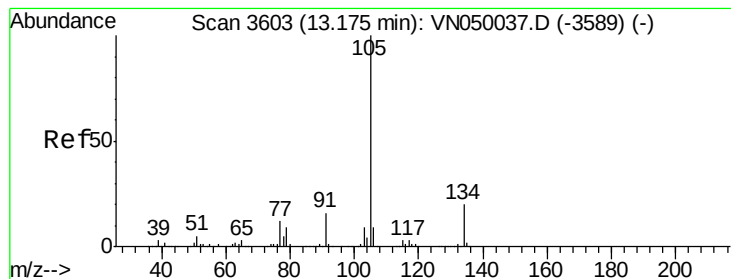
#80
 1,2,4-Trimethylbenzene
 Concen: 21.60 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion:105 Resp: 545693
 Ion Ratio Lower Upper
 105 100
 120 46.4 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: 20.97 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

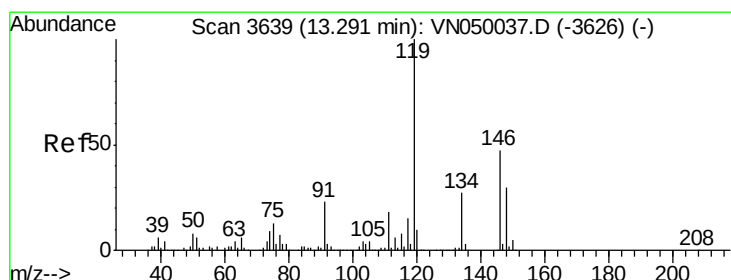
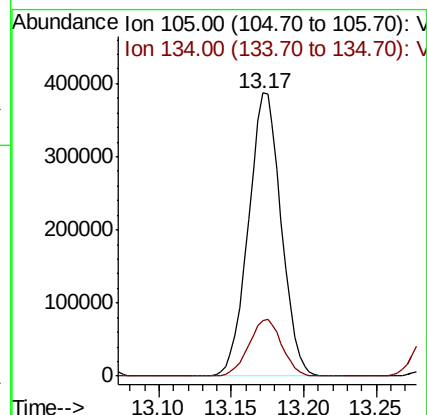
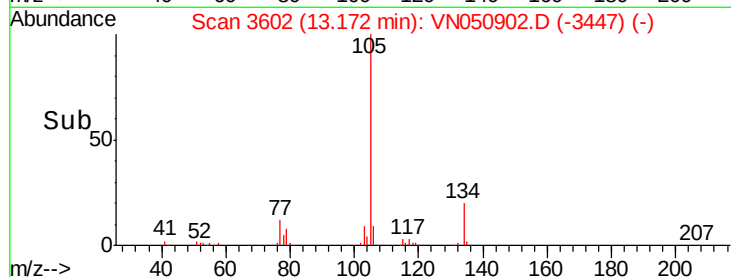
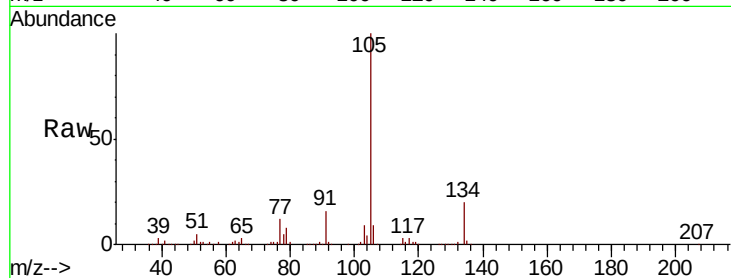
VN0827WBS02

Tot Ion:105 Resp: 607174

Ion Ratio Lower Upper

105 100

134 20.2 0.0 40.6



#82

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

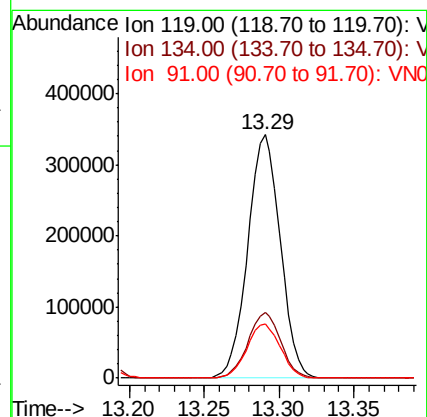
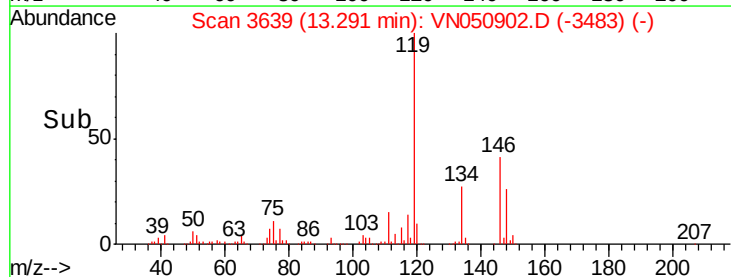
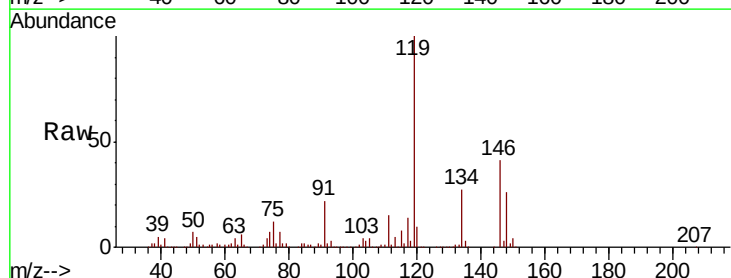
Tgt Ion:119 Resp: 517973

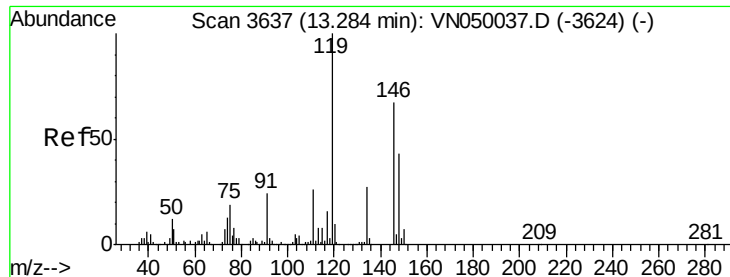
Ion Ratio Lower Upper

119 100

134 26.9 0.0 52.2

91 22.7 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 20.07 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

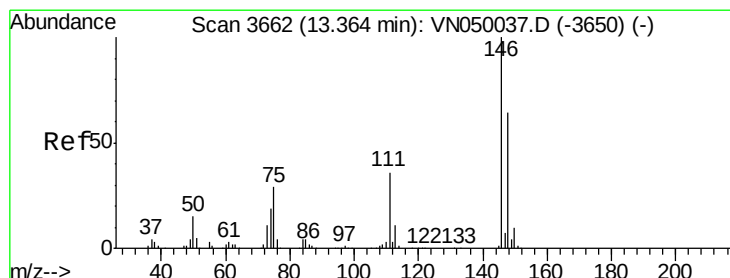
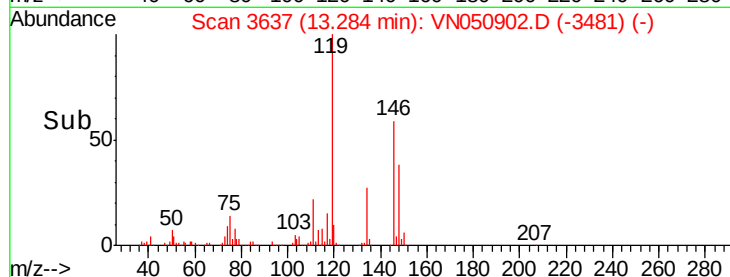
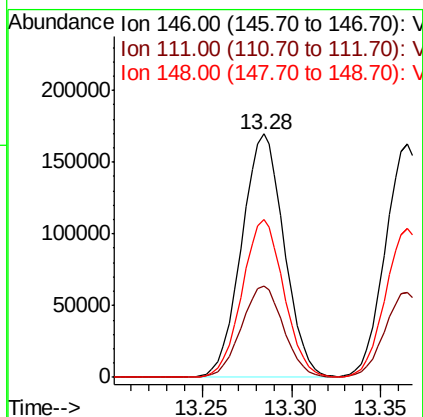
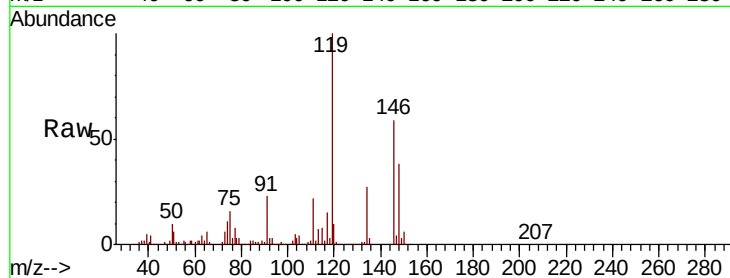
Tot Ion:146 Resp: 282545

Ion Ratio Lower Upper

146 100

111 37.4 19.1 57.1

148 63.7 31.9 95.9



#84

1,4-Dichlorobenzene

Concen: 20.19 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

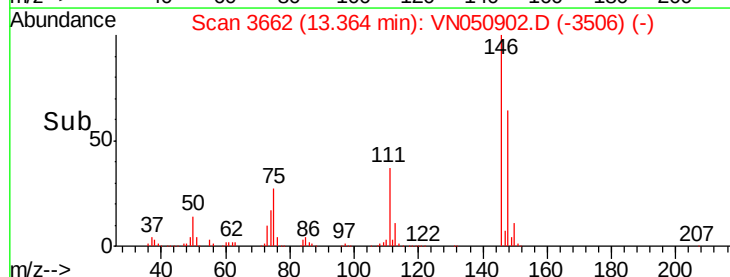
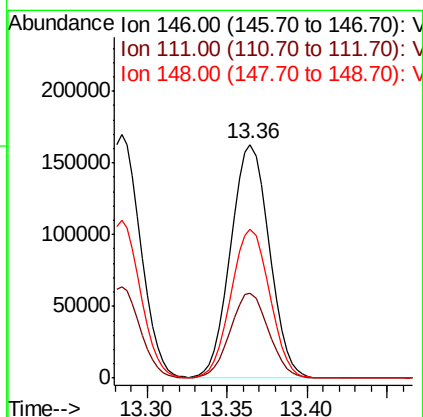
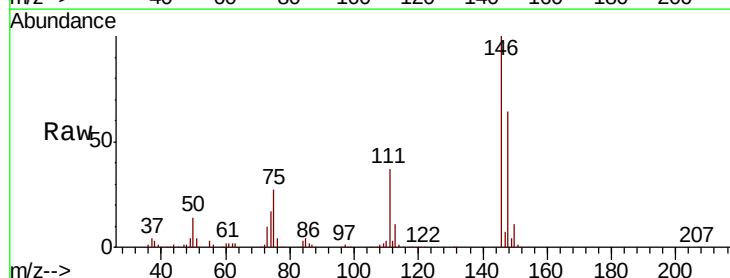
Tgt Ion:146 Resp: 268568

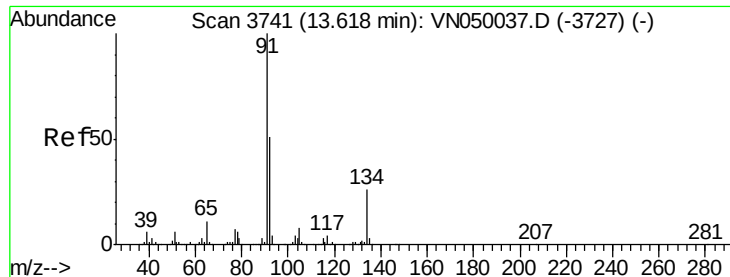
Ion Ratio Lower Upper

146 100

111 36.1 17.9 53.8

148 63.7 32.4 97.0

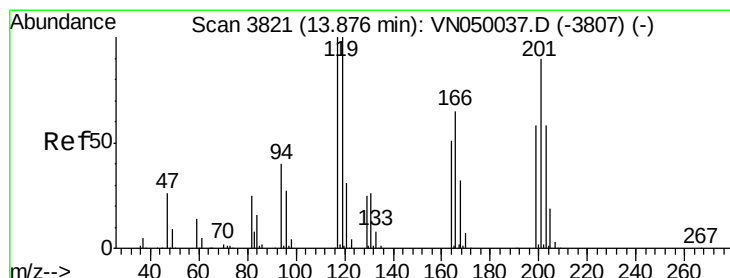
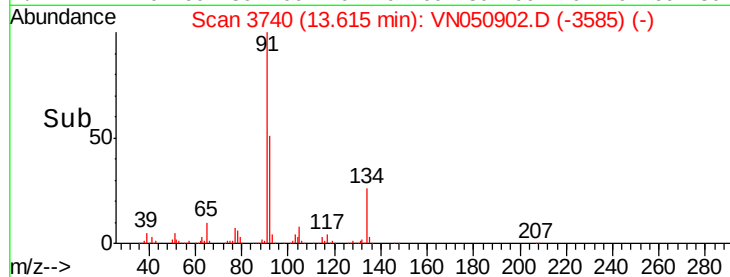
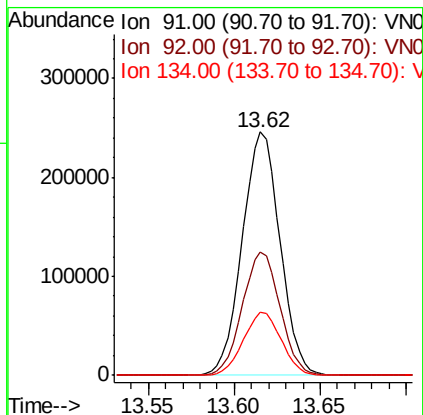
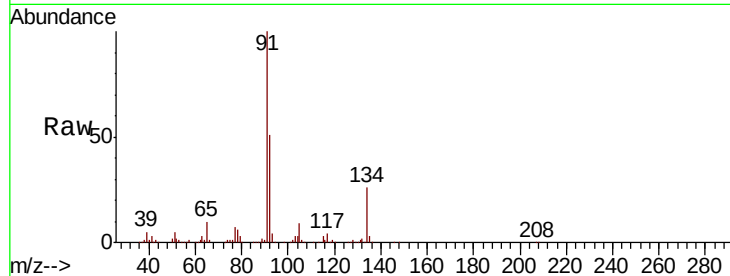




#85
n-Butylbenzene
Concen: 18.74 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

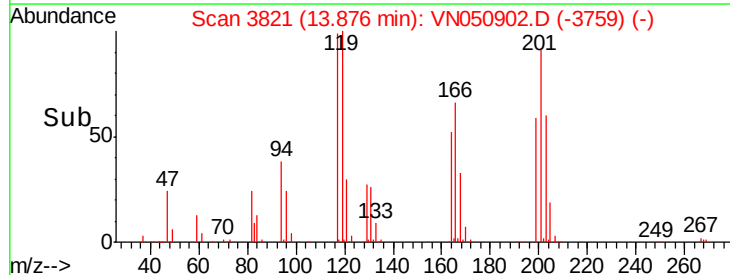
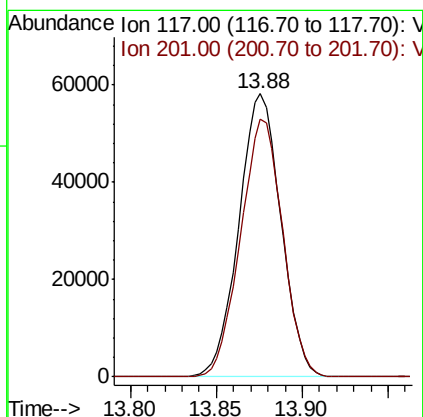
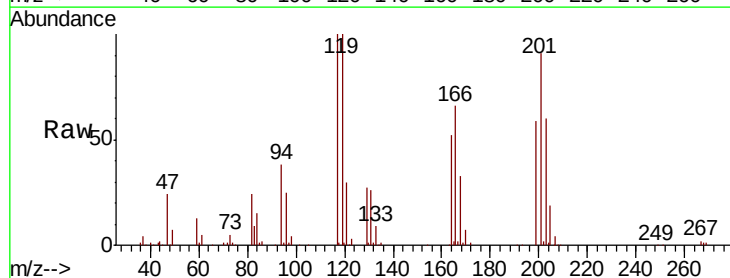
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBS02

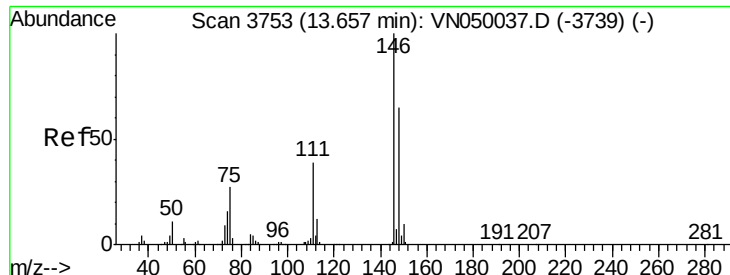
Tot Ion: 91 Resp: 375740
Ion Ratio Lower Upper
91 100
92 50.6 0.0 102.8
134 25.9 0.0 51.0



#86
Hexachloroethane
Concen: 20.04 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050902.D
Acq: 27 Aug 2018 18:14

Tgt Ion: 117 Resp: 98912
Ion Ratio Lower Upper
117 100
201 90.8 46.6 139.7

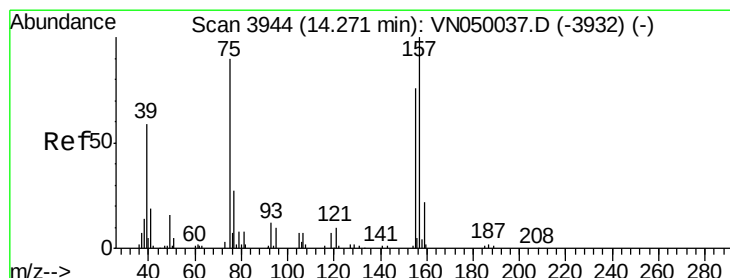
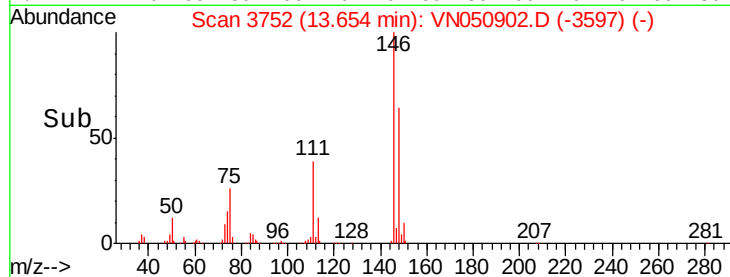
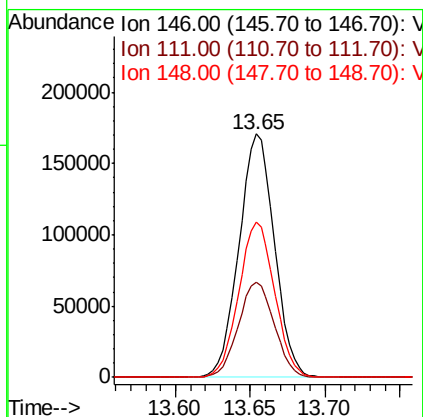
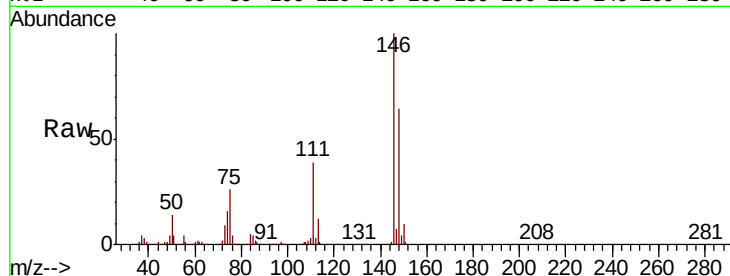




#87
 1,2-Dichlorobenzene
 Concen: 20.42 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

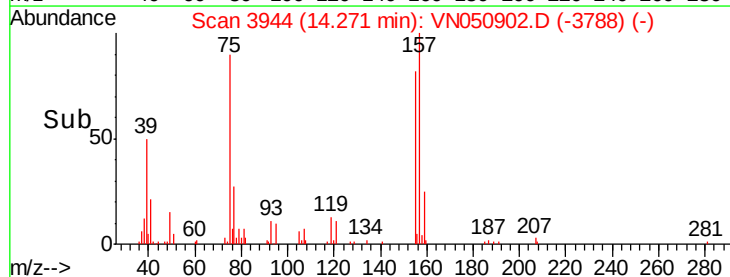
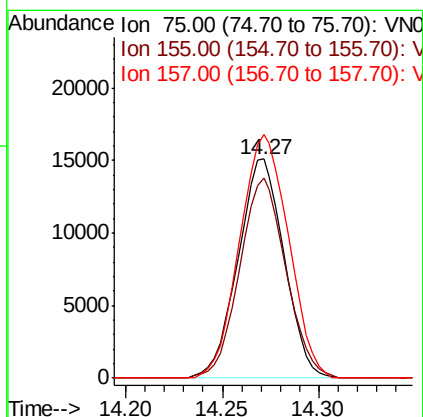
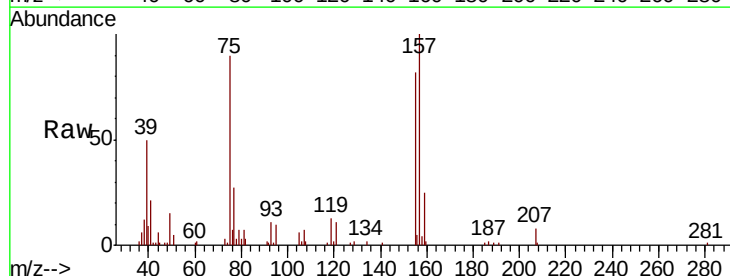
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

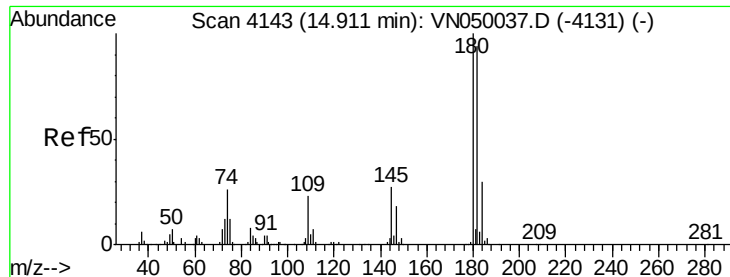
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.6	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.35 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	73.0	109.6
157	117.4	94.9	142.3

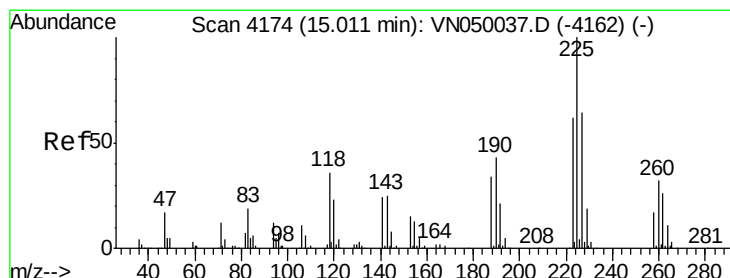
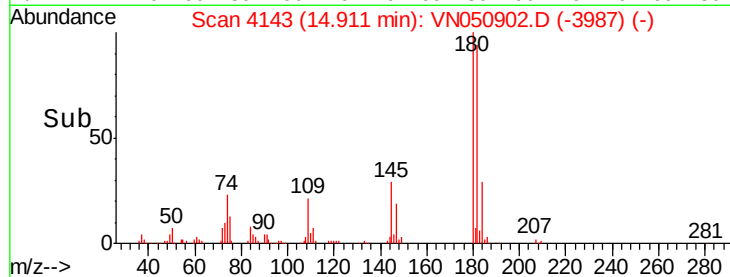
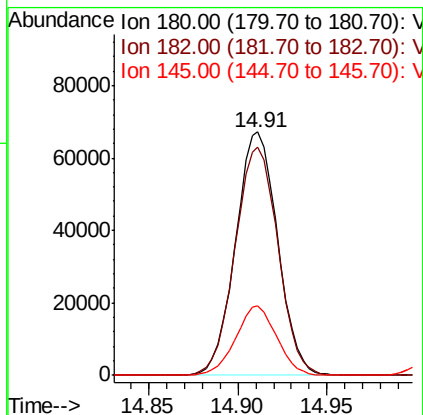
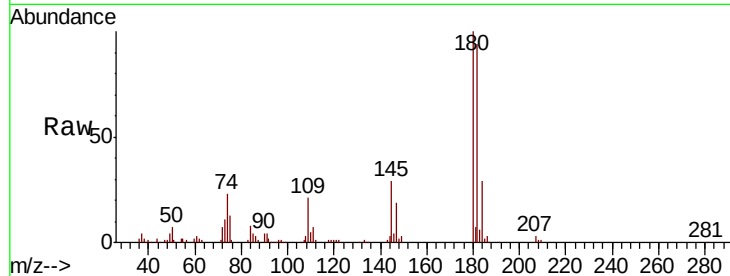




#89
 1,2,4-Trichlorobenzene
 Concen: 16.74 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

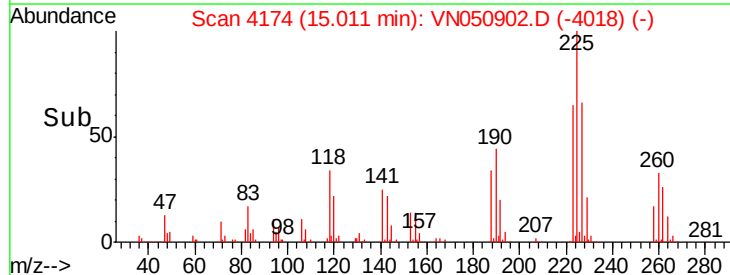
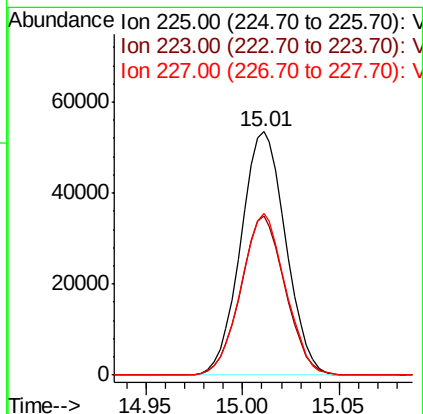
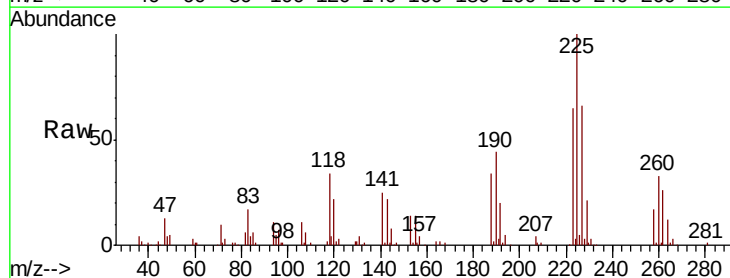
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBS02

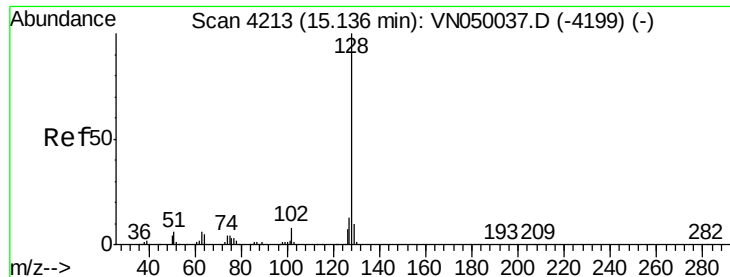
Tot Ion:180 Resp: 110039
 Ion Ratio Lower Upper
 180 100
 182 95.7 76.7 115.1
 145 27.8 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 19.98 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050902.D
 Acq: 27 Aug 2018 18:14

Tgt Ion:225 Resp: 86583
 Ion Ratio Lower Upper
 225 100
 223 64.4 0.0 124.4
 227 65.6 0.0 133.0





#91

Naphthalene

Concen: 18.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBS02

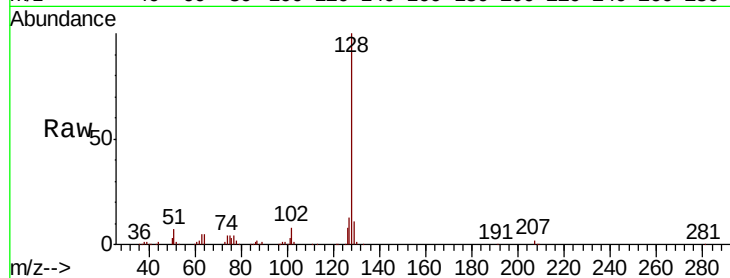
Tot Ion:128 Resp: 220940

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 10.8 9.0 13.4

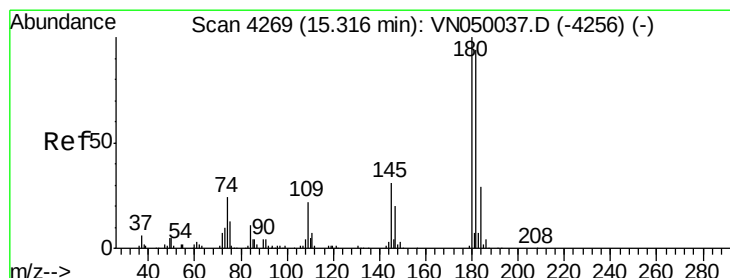
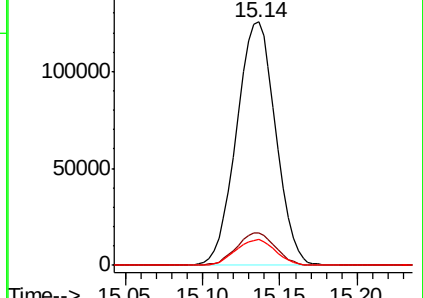
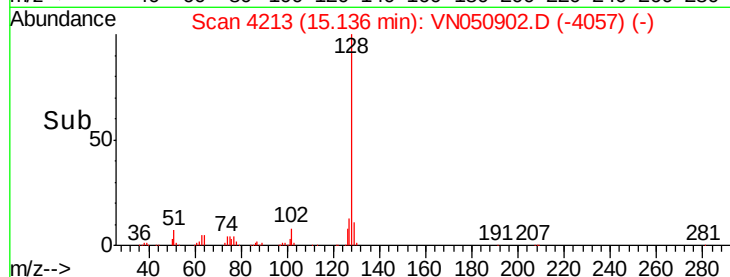


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.14



#92

1,2,3-Trichlorobenzene

Concen: 17.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050902.D

Acq: 27 Aug 2018 18:14

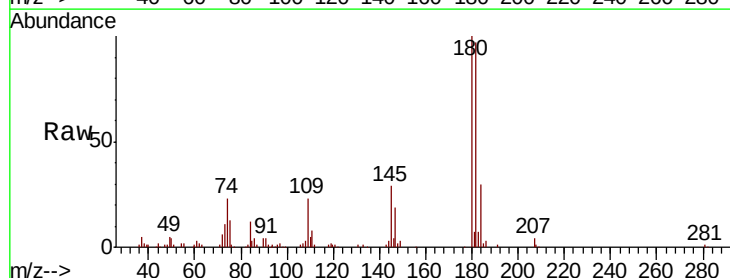
Tgt Ion:180 Resp: 116374

Ion Ratio Lower Upper

180 100

182 96.2 0.0 188.8

145 30.0 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

15.32

