

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050202.D
 Acq On : 31 Jul 2018 8:17
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Jul 31 17:36:44 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	130362	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	727741	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	623920	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272822	30.79	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.63%
60) 4-Bromofluorobenzene	12.40	95	278716	29.08	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.93%
63) Toluene-d8	10.09	98	907583	30.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	185712	20.67	ug/l	98
3) Chloromethane	2.06	50	170246	18.38	ug/l	100
4) Vinyl Chloride	2.18	62	186257	18.89	ug/l	99
5) Bromomethane	2.57	94	44620	7.42	ug/l	99
6) Chloroethane	2.70	64	114109	19.57	ug/l	98
7) Trichlorofluoromethane	3.01	101	260213	20.19	ug/l	100
8) Diethyl Ether	3.41	74	83007	19.20	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	164550	20.99	ug/l	98
10) 1,1-Dichloroethene	3.74	96	136566	19.65	ug/l	94
11) Methyl Iodide	3.95	142	52836	5.17	ug/l	98
12) Methyl Acetate	4.33	43	165411	20.78	ug/l	98
13) Acrolein	3.61	56	13592	27.62	ug/l	100
14) Acrylonitrile	4.99	53	227047	85.46	ug/l #	89
15) Acetone	3.82	58	66134	93.67	ug/l	97
16) Carbon Disulfide	4.05	76	395107	18.58	ug/l	99
17) Allyl chloride	4.32	41	215809	19.66	ug/l	99
18) Methylene Chloride	4.55	84	159865	19.93	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	148058	19.90	ug/l	98
20) Diisopropyl ether	5.95	45	458043	20.35	ug/l	97
21) 1,1-Dichloroethane	5.85	63	283008	20.00	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	164989	19.99	ug/l	100
23) tert-Butyl Alcohol	4.79	59	42655	71.85	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	353727	18.66	ug/l	100
25) Chloroform	7.37	83	291314	20.33	ug/l	98
26) Cyclohexane	7.65	56	223143	19.84	ug/l #	99
29) 1,1-Dichloropropene	7.79	75	212181	18.79	ug/l	99
30) 2-Butanone	6.84	43	274126	77.35	ug/l	99
31) 2,2-Dichloropropane	6.83	77	237647	19.04	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	248239	18.67	ug/l	98
33) Carbon Tetrachloride	7.77	117	218842	18.47	ug/l	97
34) Benzene	8.04	78	643251	18.75	ug/l	99
35) Methacrylonitrile	7.18	41	62272	15.43	ug/l	94
36) 1,2-Dichloroethane	8.13	62	201092	17.86	ug/l	100
37) Trichloroethene	8.83	130	169222	18.81	ug/l	98
38) Methylcyclohexane	9.08	83	219096	18.40	ug/l	99
39) 1,2-Dichloropropane	9.12	63	169543	18.76	ug/l	98
40) Dibromomethane	9.21	93	99720	17.86	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	225027	19.10	ug/l	98
42) Vinyl Acetate	5.90	43	1384351	83.01	ug/l	99
43) Ethyl Acetate	6.93	43	115677	15.63	ug/l	94
44) Isopropyl Acetate	8.17	43	240586	17.55	ug/l	94
45) 1,4-Dioxane	9.20	88	27337	303.03	ug/l	96
46) Methyl methacrylate	9.20	41	103655	15.60	ug/l	98
47) n-amyl Acetate	12.07	43	153190	14.36	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	202252	18.01	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	239592	18.16	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	143681	17.92	ug/l	99
51) Ethyl methacrylate	10.43	69	155485	15.98	ug/l	99
52) 1,3-Dichloropropane	10.71	76	235112	17.86	ug/l	99
53) Dibromochloromethane	10.90	129	162893	17.91	ug/l	99
54) 1,2-Dibromoethane	11.00	107	134146	17.09	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	350672	79.64	ug/l	100
56) Bromoform	12.13	173	103020	16.04	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	589293	81.17	ug/l	99
59) 2-Hexanone	10.75	43	386934	78.12	ug/l	99
61) Tetrachloroethene	10.63	164	160399	18.98	ug/l	96
62) Toluene	10.16	91	687705	19.32	ug/l	100
64) Chlorobenzene	11.44	112	417841	19.36	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	161321	19.16	ug/l	98
66) Ethyl Benzene	11.51	91	691513	19.01	ug/l	99
67) m/p-Xylenes	11.62	106	540965	38.64	ug/l	100
68) o-Xylene	11.95	106	253125	19.00	ug/l	100
69) Styrene	11.96	104	404881	18.96	ug/l	99
70) Isopropylbenzene	12.25	105	687169	19.37	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	167575	17.21	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	195973	23.56	ug/l	58
73) Bromobenzene	12.53	156	172563	18.26	ug/l	99
74) n-propylbenzene	12.59	91	787431	19.06	ug/l	98
75) 2-Chlorotoluene	12.67	91	473568	19.08	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	565650	19.41	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	39858	14.66	ug/l	94
78) 4-Chlorotoluene	12.77	91	473988	19.27	ug/l	100
79) tert-butylbenzene	12.99	119	474402	19.04	ug/l	96
80) 1,2,4-Trimethylbenzene	13.04	105	567401	19.22	ug/l	98
81) sec-Butylbenzene	13.17	105	650969	19.24	ug/l	100
82) p-Isopropyltoluene	13.29	119	555697	19.25	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	303765	18.46	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	282122	18.14	ug/l	99
85) n-Butylbenzene	13.62	91	421789	18.00	ug/l	99
86) Hexachloroethane	13.88	117	104039	18.03	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	300619	18.69	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21992	14.49	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	119584	15.57	ug/l	99
90) Hexachlorobutadiene	15.01	225	96851	19.12	ug/l	99
91) Naphthalene	15.14	128	213761	16.52	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	123829	15.85	ug/l	98

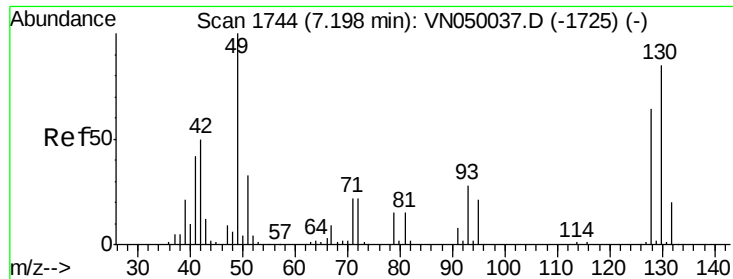
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

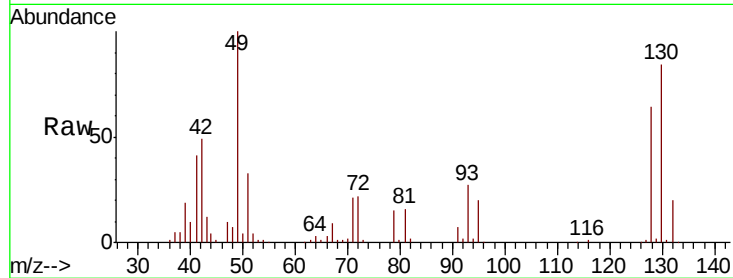
Tot Ion:128 Resp: 130362

Ion Ratio Lower Upper

128 100

49 158.8 0.0 378.3

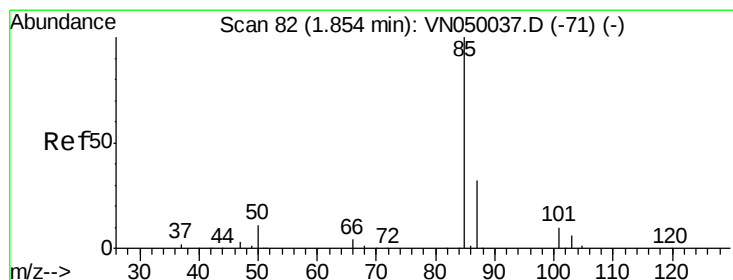
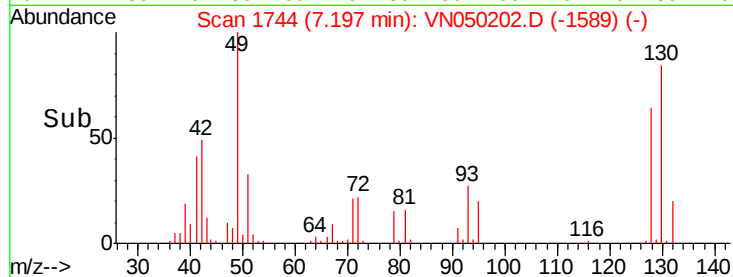
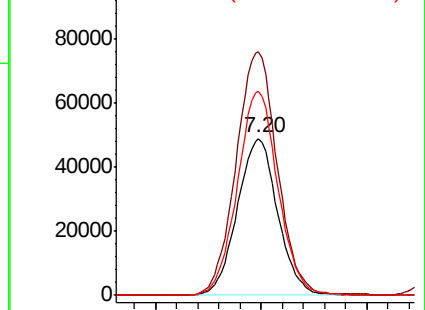
130 131.3 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.67 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050202.D

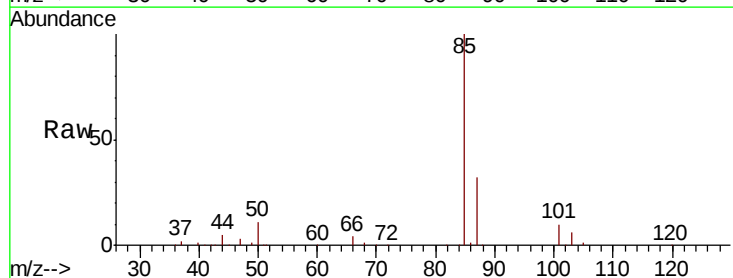
Acq: 31 Jul 2018 8:17

Tgt Ion: 85 Resp: 185712

Ion Ratio Lower Upper

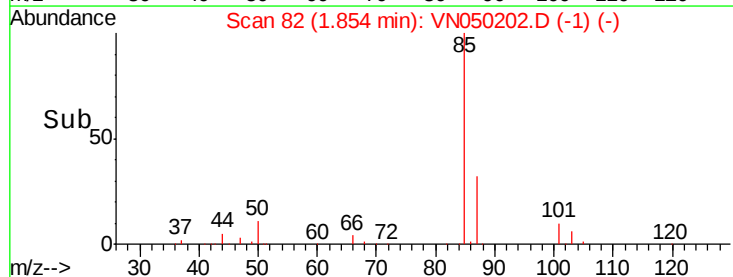
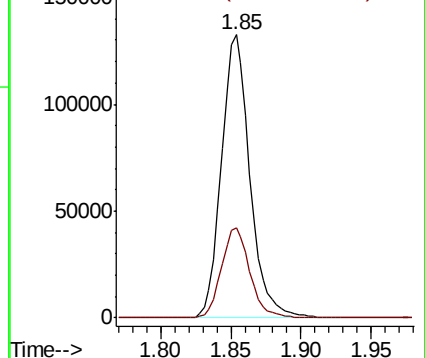
85 100

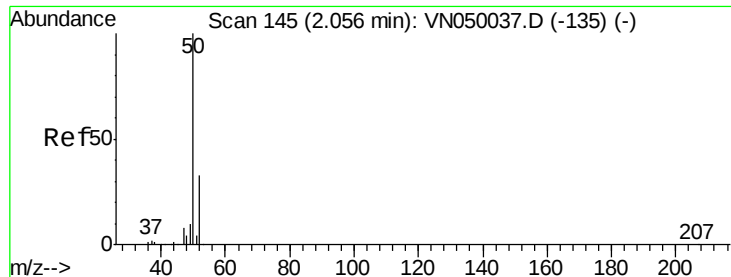
87 31.9 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 18.38 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

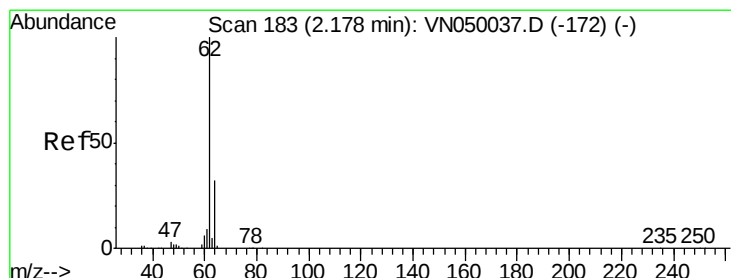
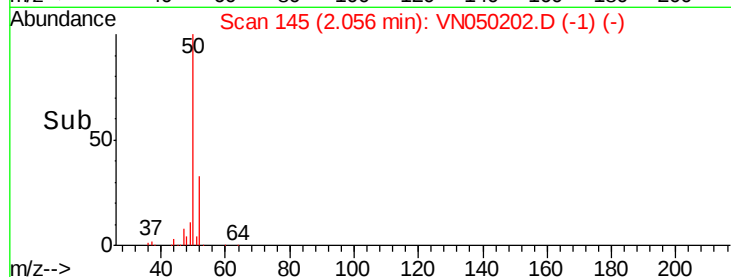
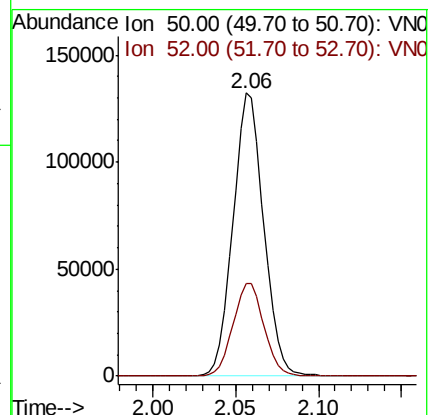
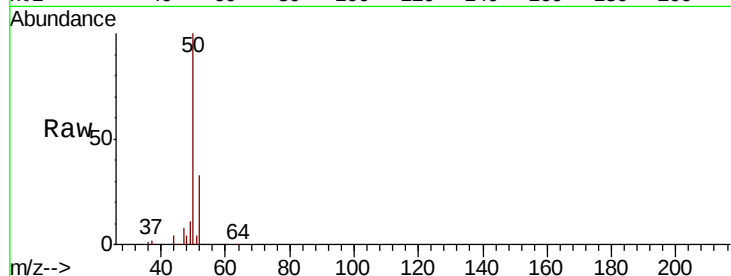
VSTDCCC020

Tot Ion: 50 Resp: 170246

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 18.89 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050202.D

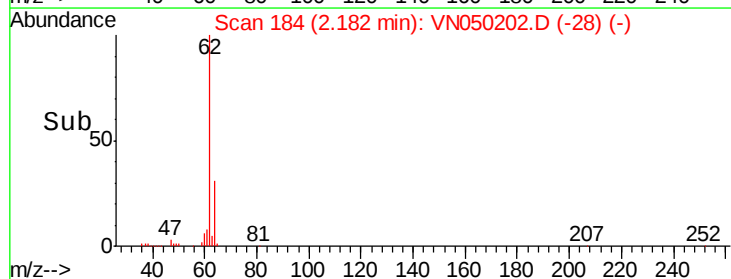
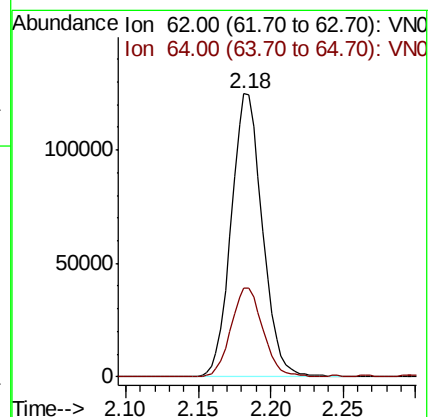
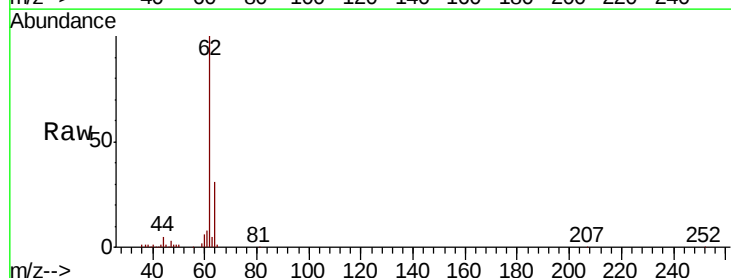
Acq: 31 Jul 2018 8:17

Tgt Ion: 62 Resp: 186257

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 7.42 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

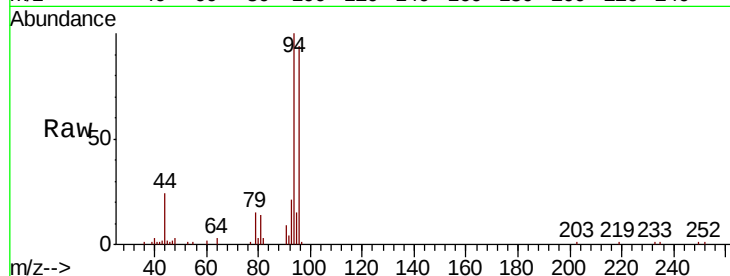
VSTDCCC020

Tot Ion: 94 Resp: 44620

Ion Ratio Lower Upper

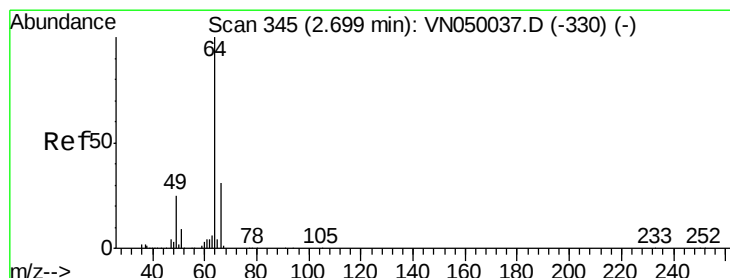
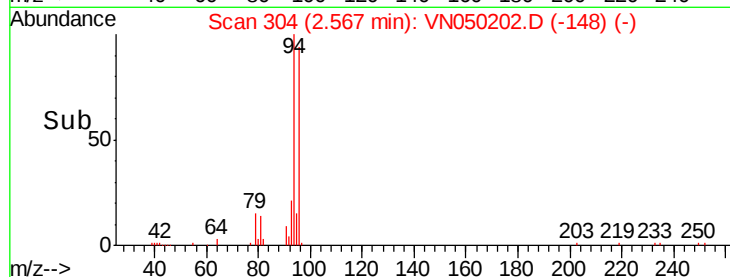
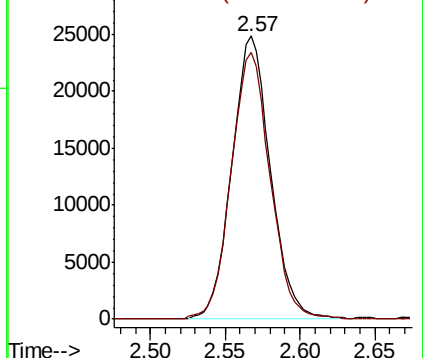
94 100

96 93.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.57 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050202.D

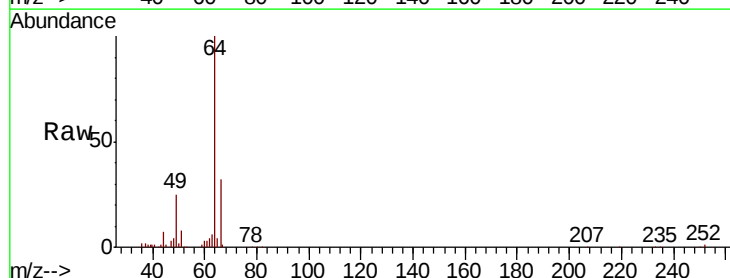
Acq: 31 Jul 2018 8:17

Tgt Ion: 64 Resp: 114109

Ion Ratio Lower Upper

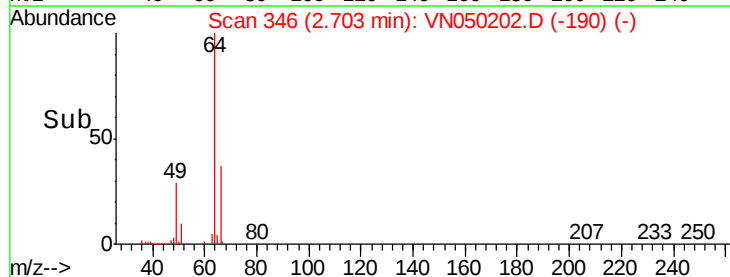
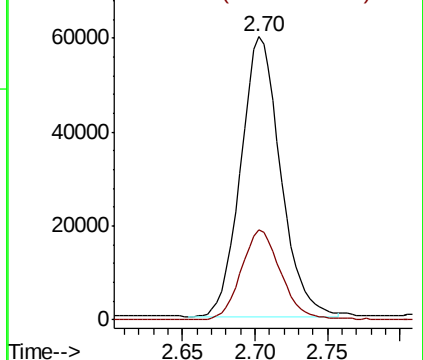
64 100

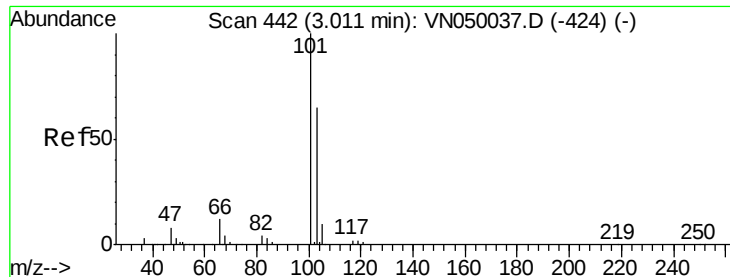
66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



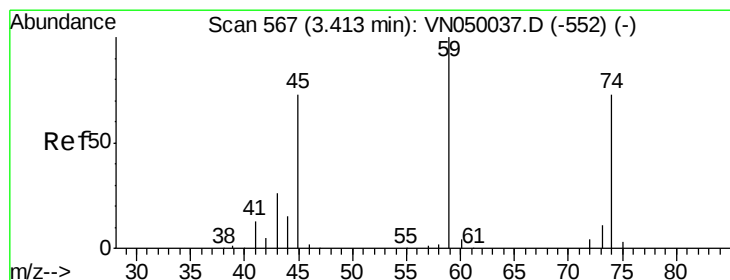
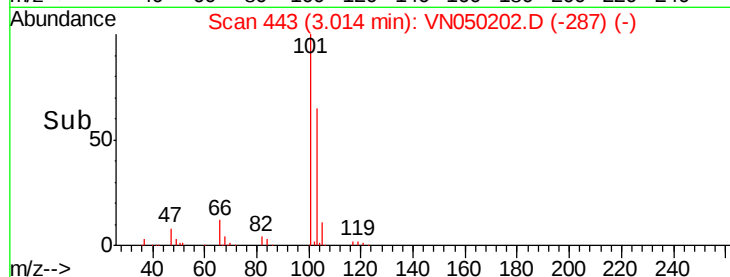
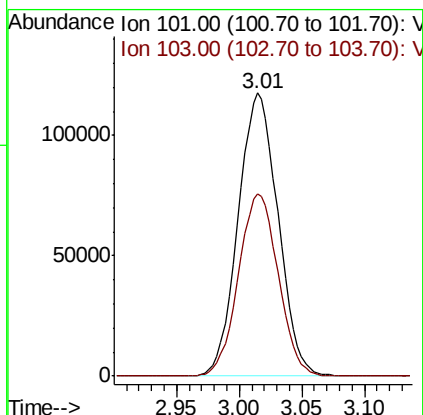
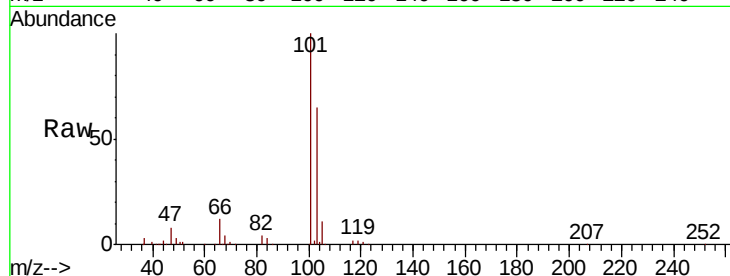


#7

Trichlorofluoromethane
 Concen: 20.19 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
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 ClientSampled :
 VSTDCCC020

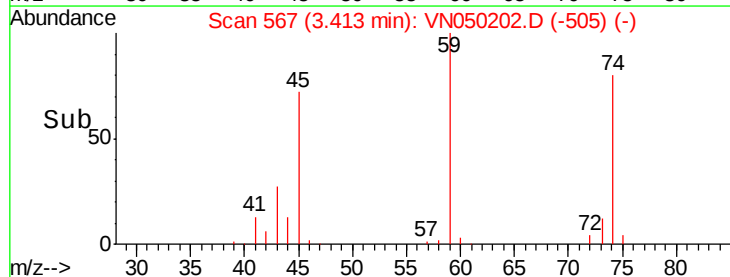
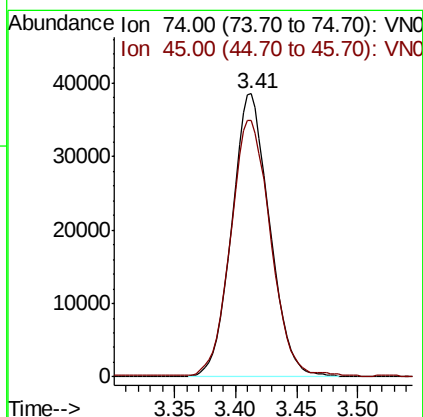
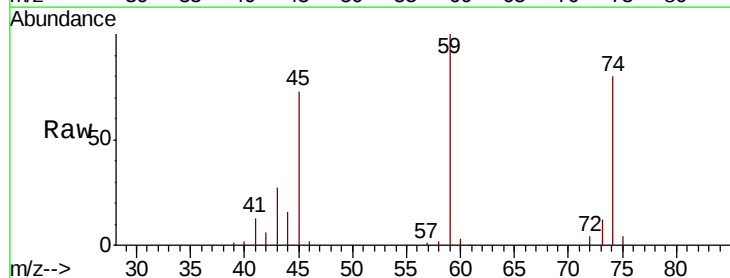
Tot Ion:101 Resp: 260213
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.5 77.3

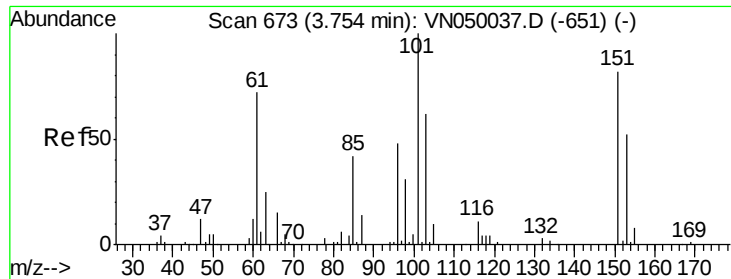


#8

Diethyl Ether
 Concen: 19.20 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 74 Resp: 83007
 Ion Ratio Lower Upper
 74 100
 45 94.2 18.7 167.9

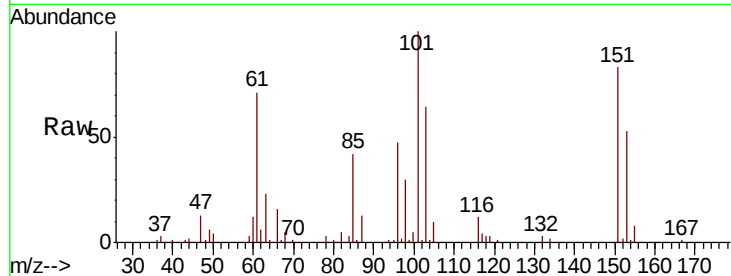




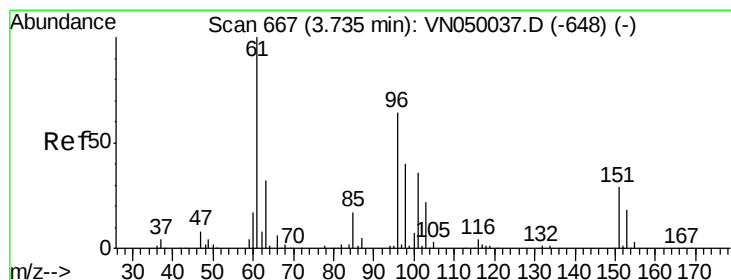
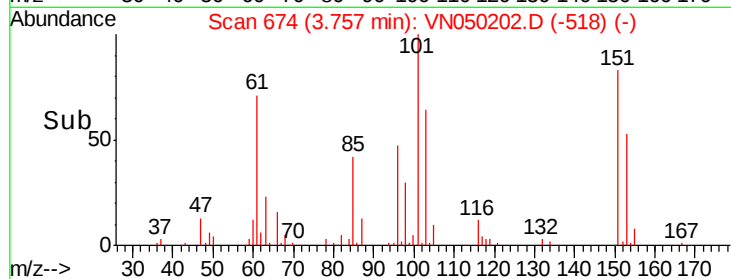
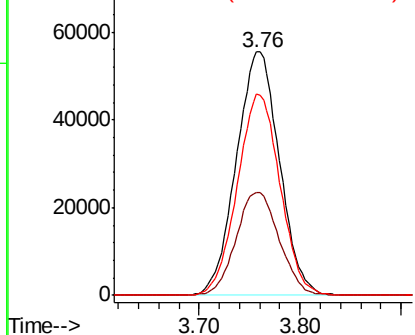
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.99 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 164550
 Ion Ratio Lower Upper
 101 100
 85 42.3 0.0 83.0
 151 81.9 0.0 166.8

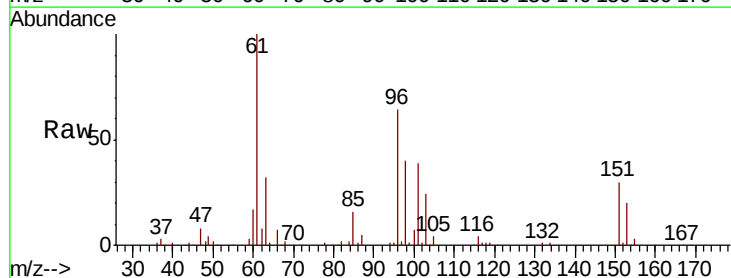


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

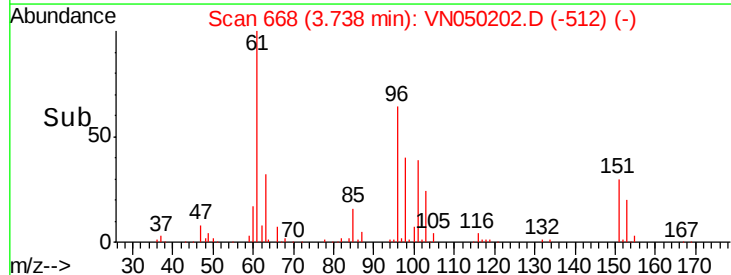
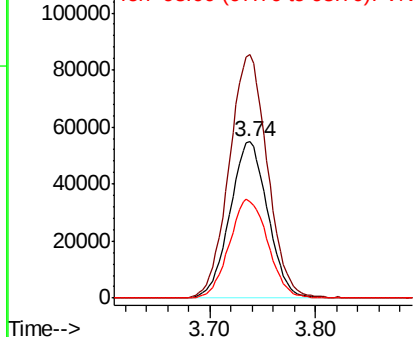


#10
 1,1-Dichloroethene
 Concen: 19.65 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 96 Resp: 136566
 Ion Ratio Lower Upper
 96 100
 61 155.2 130.6 195.8
 98 61.9 53.5 80.3



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

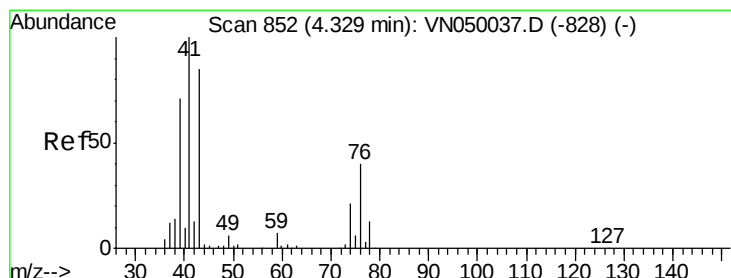
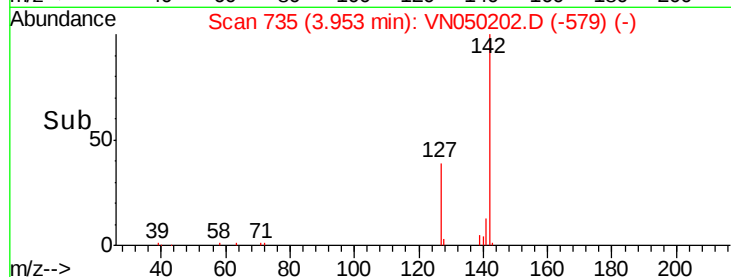
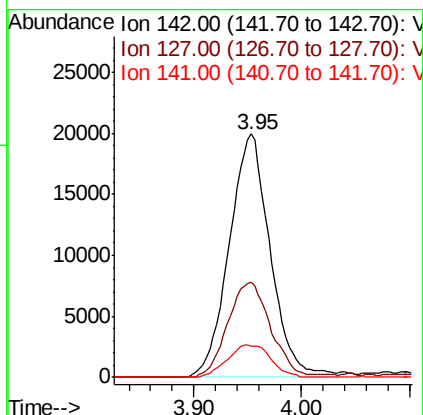
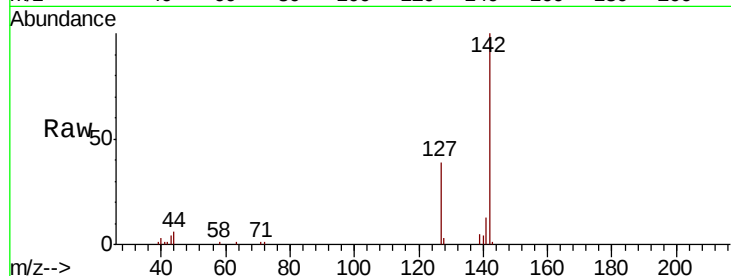




#11
Methyl Iodide
Concen: 5.17 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

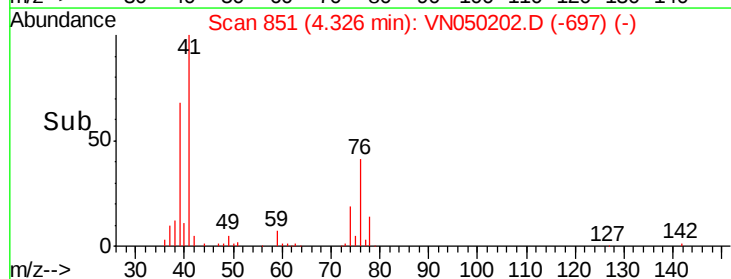
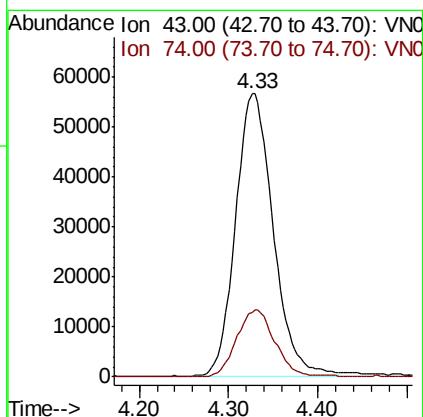
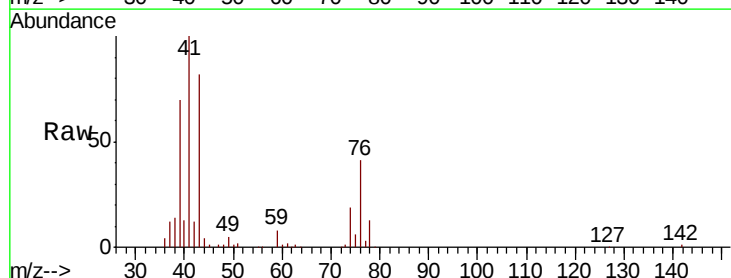
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

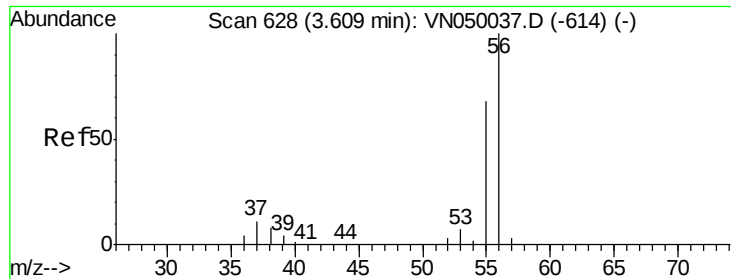
Tot Ion:142 Resp: 52836
Ion Ratio Lower Upper
142 100
127 38.9 20.2 60.5
141 13.1 6.9 20.6



#12
Methyl Acetate
Concen: 20.78 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 43 Resp: 165411
Ion Ratio Lower Upper
43 100
74 23.0 19.3 28.9

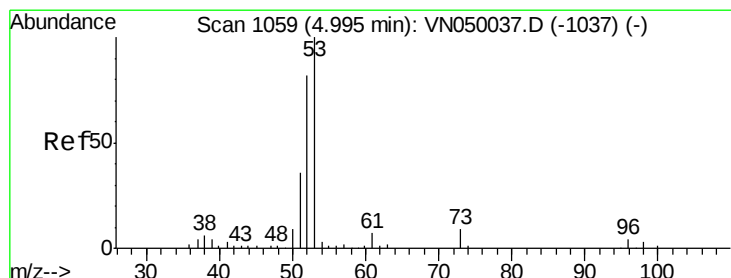
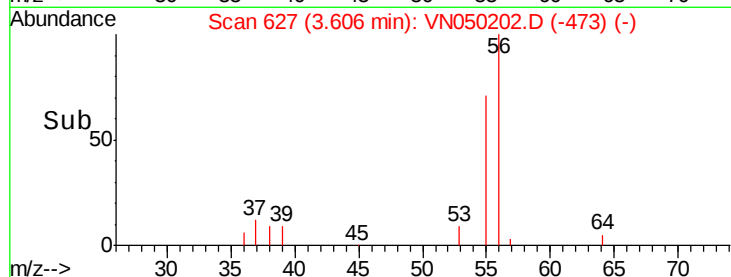
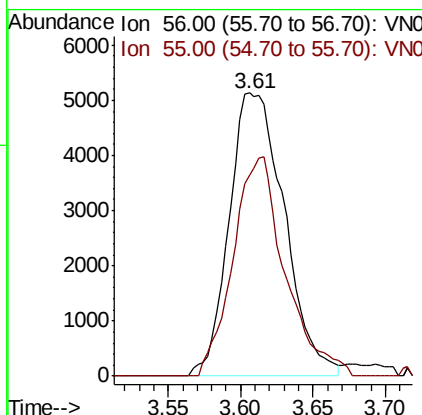
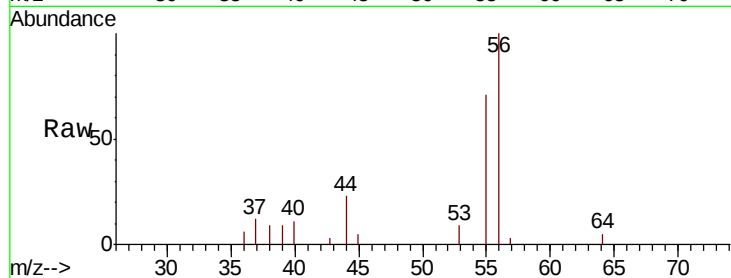




#13
 Acrolein
 Concen: 27.62 ug/l
 RT: 3.61 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

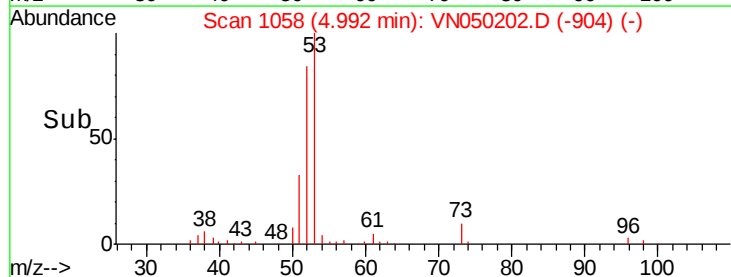
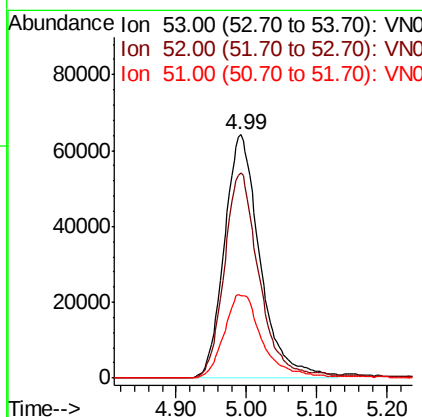
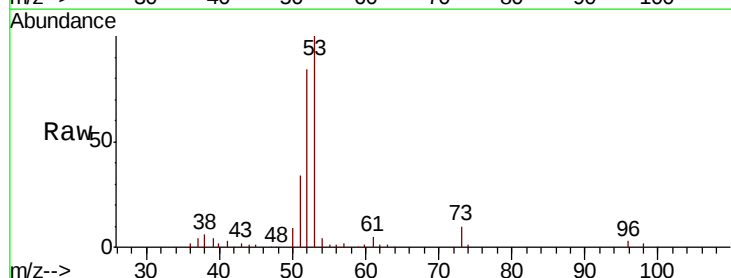
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

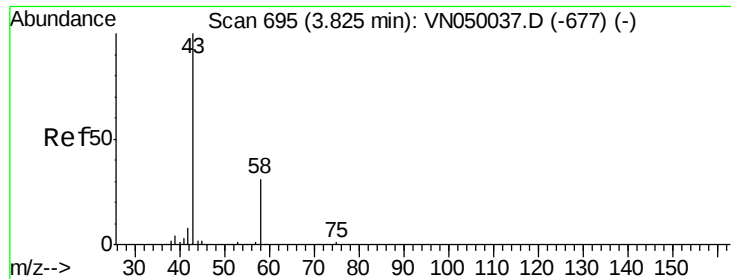
Tot Ion: 56 Resp: 13592
 Ion Ratio Lower Upper
 56 100
 55 73.0 58.6 88.0



#14
 Acrylonitrile
 Concen: 85.46 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 53 Resp: 227047
 Ion Ratio Lower Upper
 53 100
 52 81.5 41.5 124.5
 51 18.4 18.7 56.1#





#15

Acetone

Concen: 93.67 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

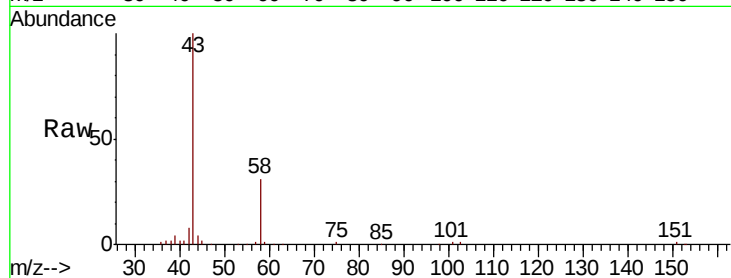
VSTDCCC020

Tot Ion: 58 Resp: 66134

Ion Ratio Lower Upper

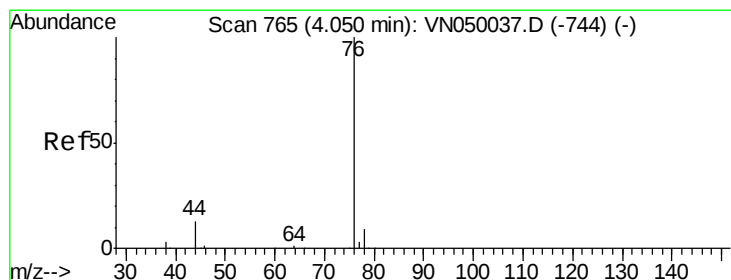
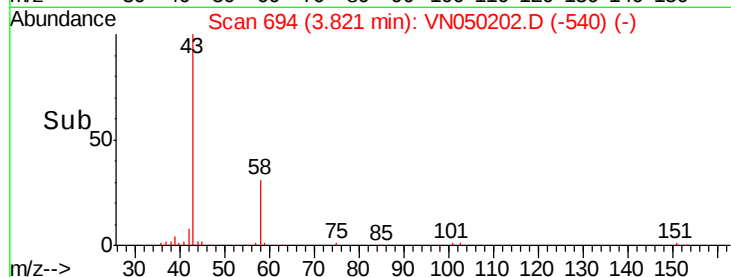
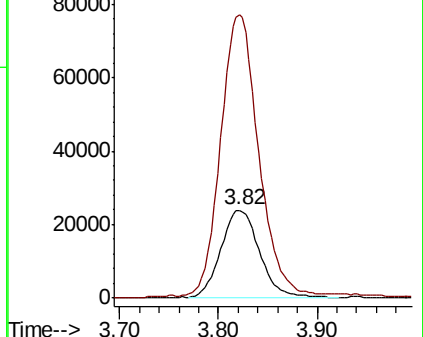
58 100

43 321.7 252.0 378.0



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

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



#16

Carbon Disulfide

Concen: 18.58 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050202.D

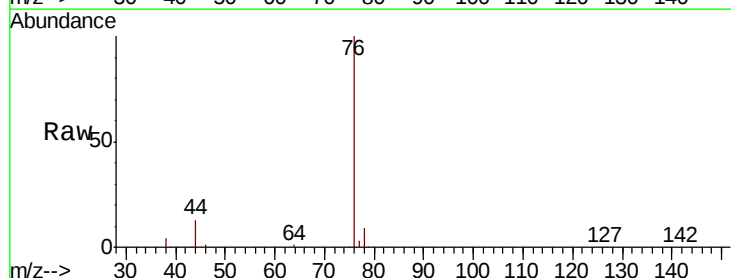
Acq: 31 Jul 2018 8:17

Tgt Ion: 76 Resp: 395107

Ion Ratio Lower Upper

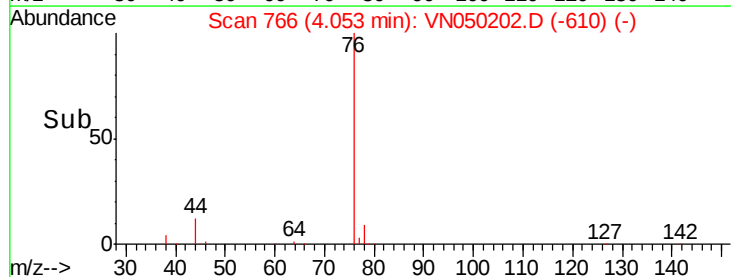
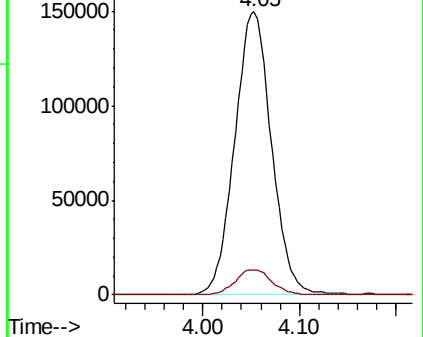
76 100

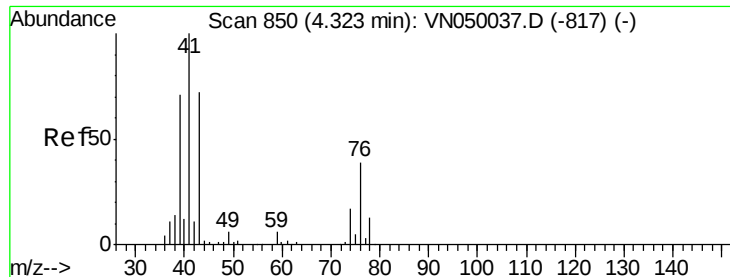
78 8.7 7.3 10.9



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

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





#17

Allvl chloride

Concen: 19.66 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

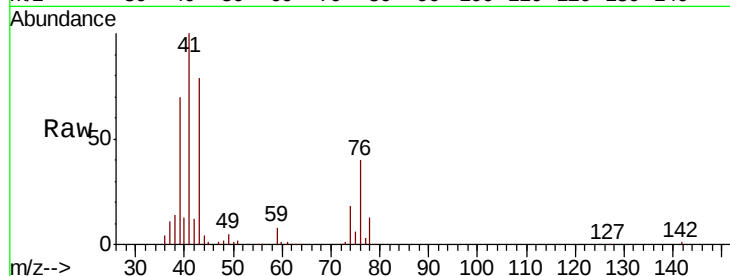
Tot Ion: 41 Resp: 215809

Ion Ratio Lower Upper

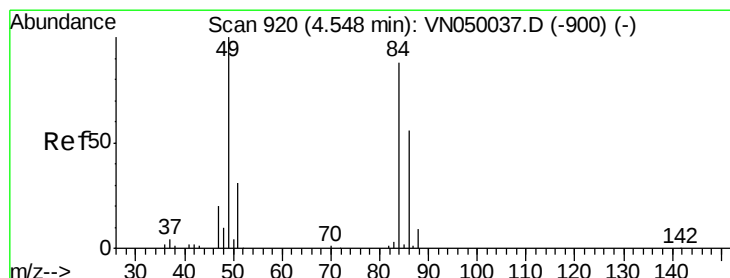
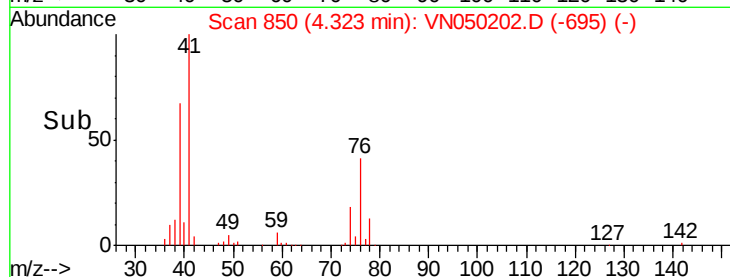
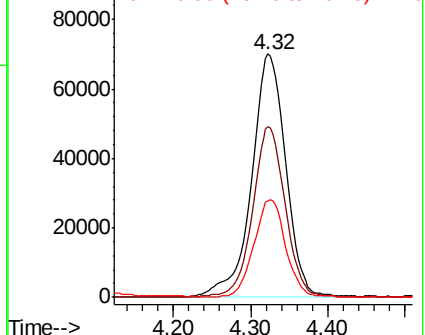
41 100

39 70.2 35.4 106.3

76 39.4 19.7 59.1



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



#18

Methylene Chloride

Concen: 19.93 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.01 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Tgt Ion: 84 Resp: 159865

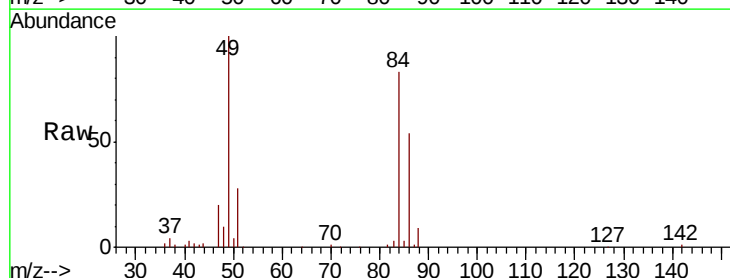
Ion Ratio Lower Upper

84 100

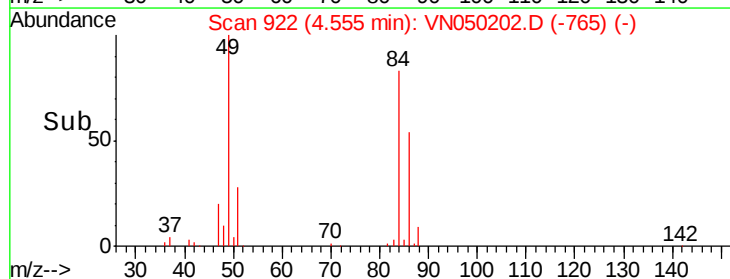
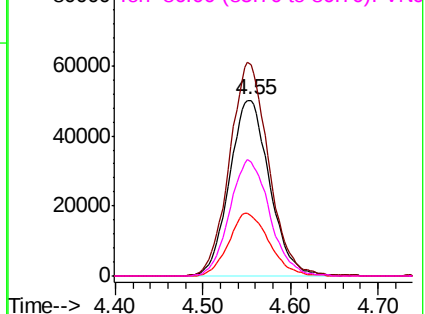
49 119.4 95.1 142.7

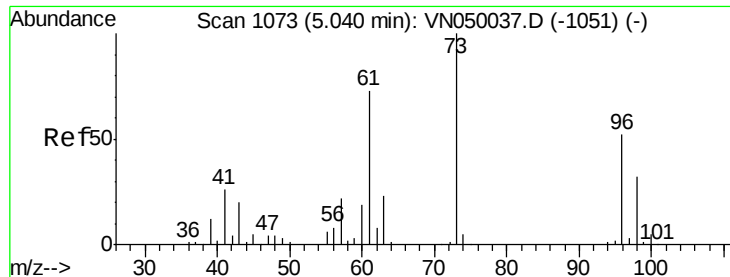
51 34.1 28.8 43.2

86 65.1 52.3 78.5



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

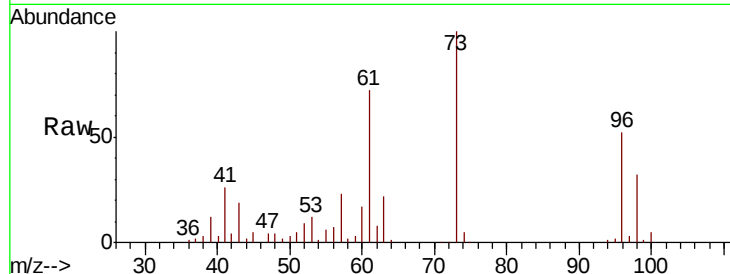




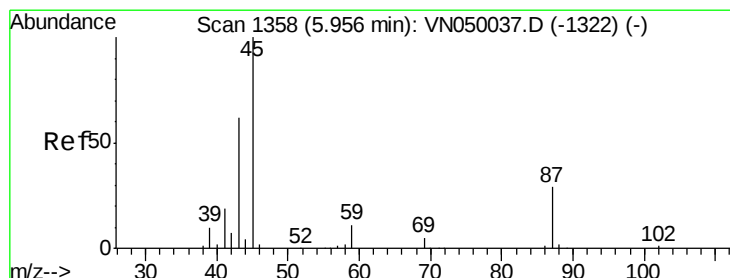
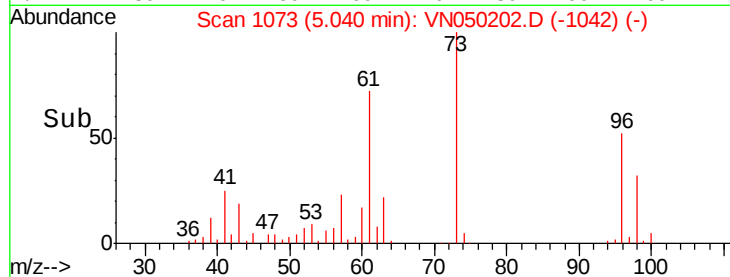
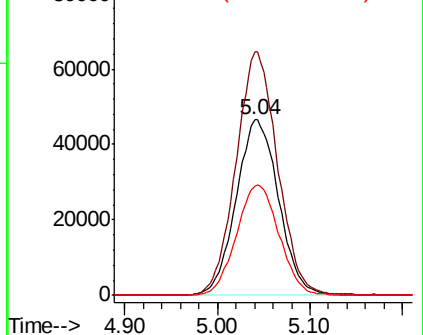
#19
trans-1,2-Dichloroethene
Concen: 19.90 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 148058
Ion Ratio Lower Upper
96 100
61 138.7 112.1 168.1
98 62.3 51.3 76.9

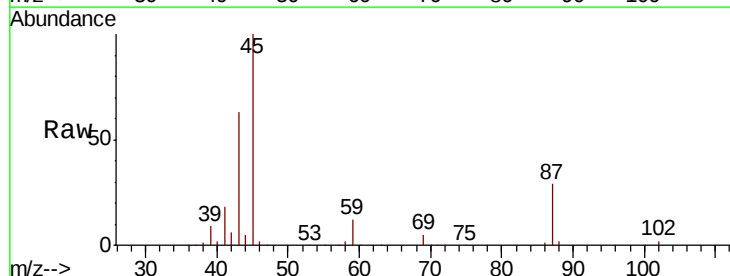


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

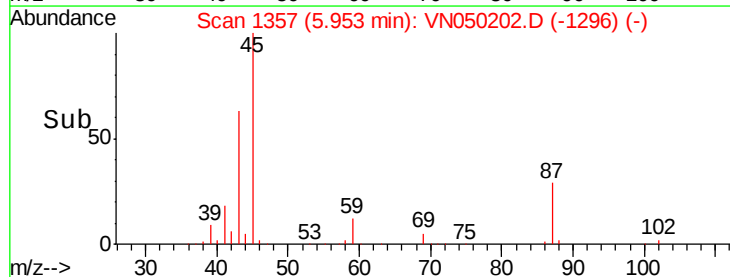
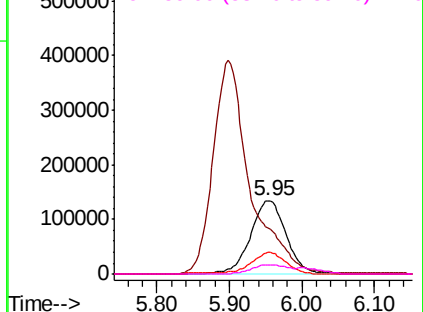


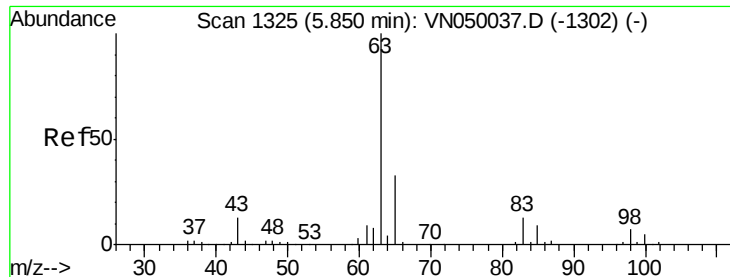
#20
Diisopropyl ether
Concen: 20.35 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 45 Resp: 458043
Ion Ratio Lower Upper
45 100
43 61.3 46.6 70.0
87 29.0 22.3 33.5
59 12.1 9.5 14.3



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

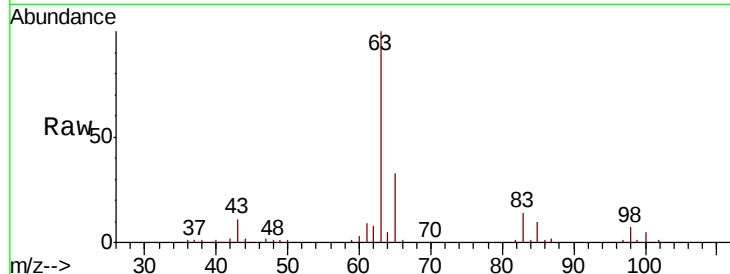




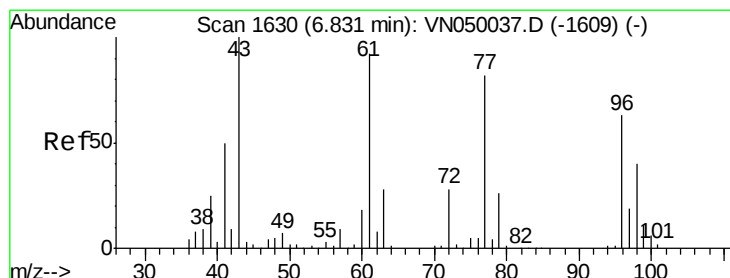
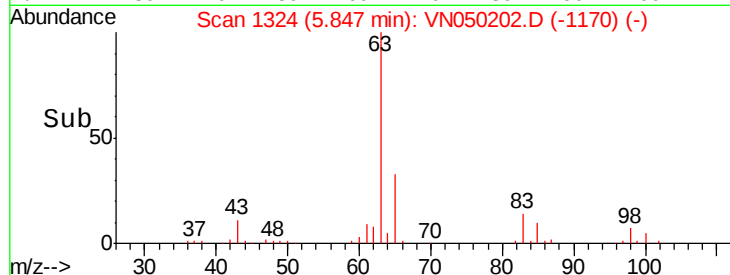
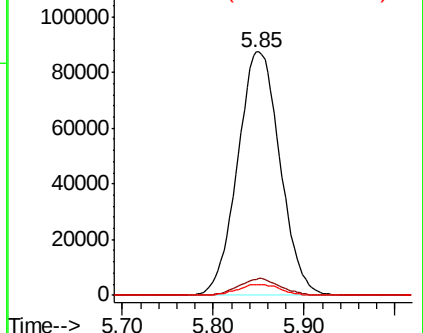
#21
 1,1-Dichloroethane
 Concen: 20.00 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 283008
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.5 10.6
 100 4.6 2.3 6.8

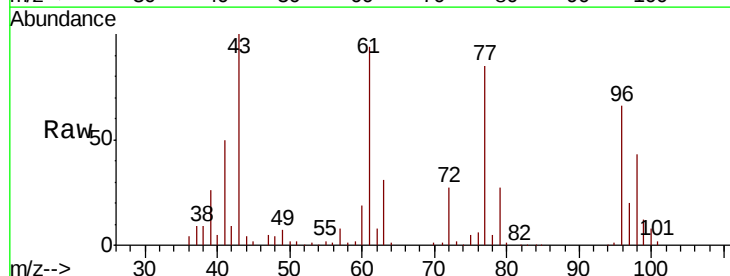


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

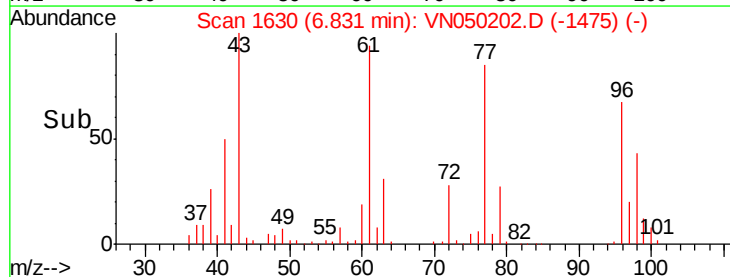
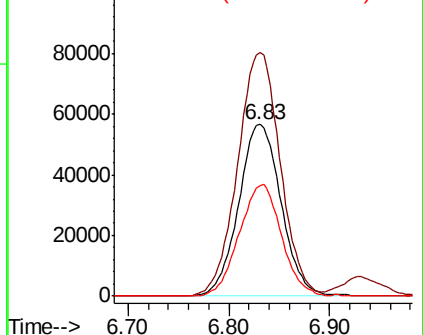


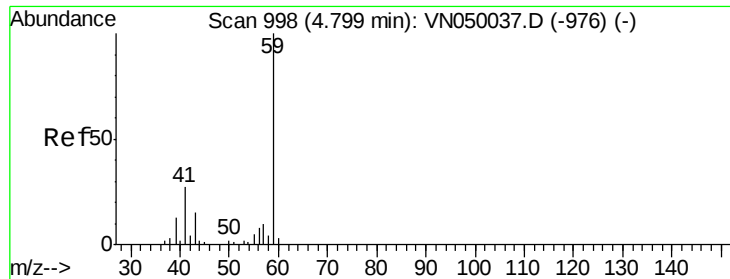
#22
 cis-1,2-Dichloroethene
 Concen: 19.99 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 96 Resp: 164989
 Ion Ratio Lower Upper
 96 100
 61 142.9 114.2 171.2
 98 64.7 51.7 77.5



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

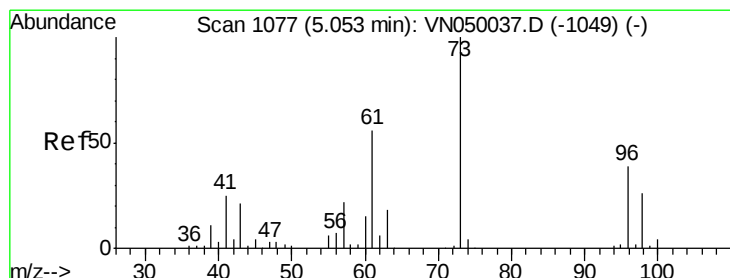
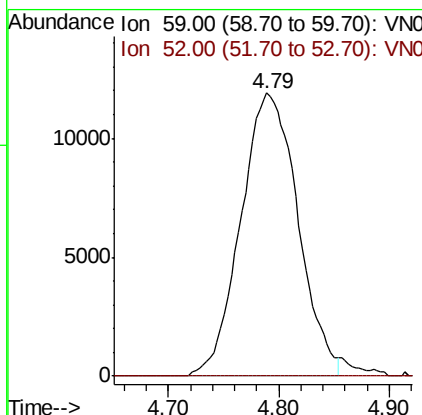
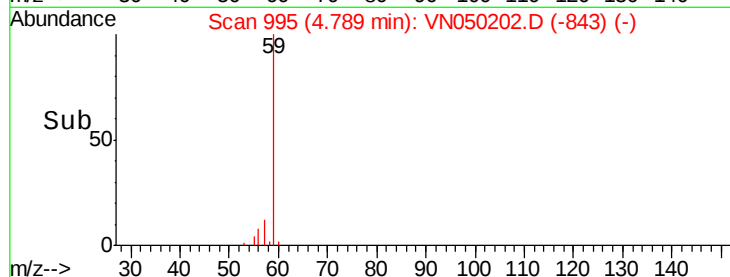
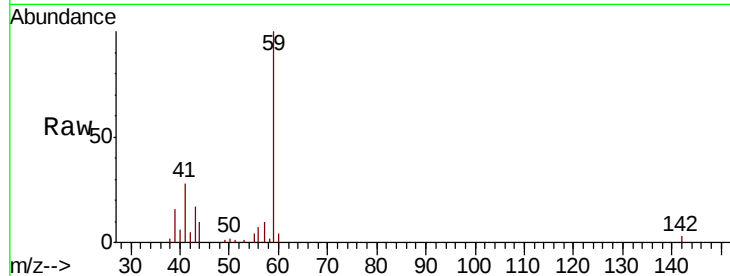




#23
 tert-Butyl Alcohol
 Concen: 71.85 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

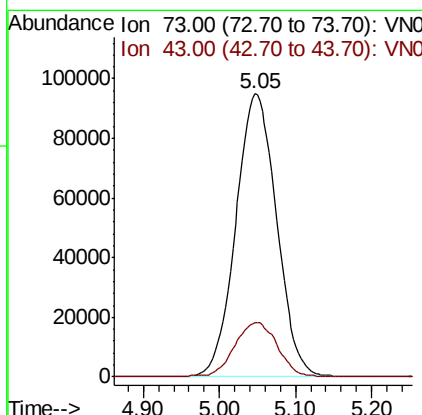
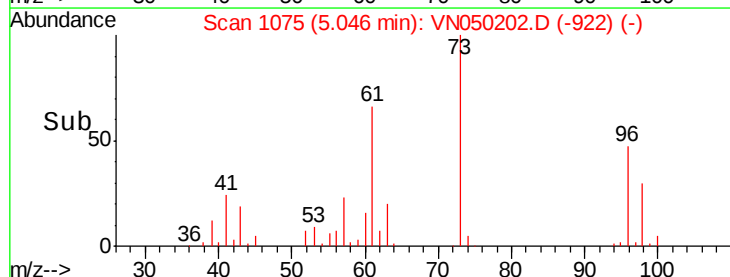
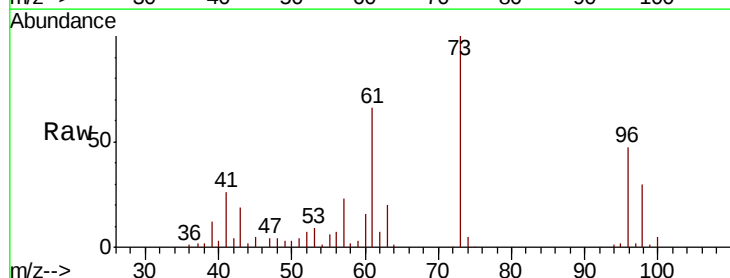
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

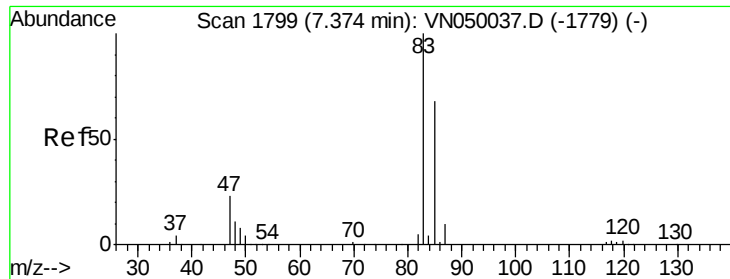
Tot Ion: 59 Resp: 42655
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 18.66 ug/l
 RT: 5.05 min Scan# 1075
 Delta R.T. -0.01 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 73 Resp: 353727
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.5 23.3

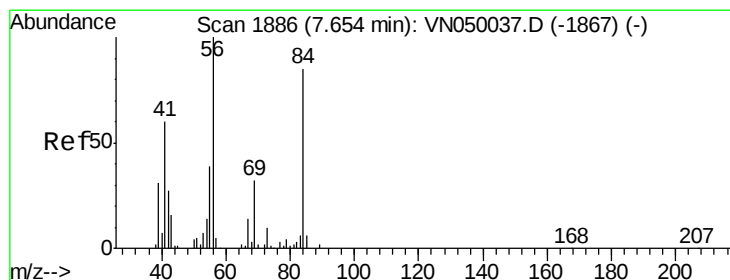
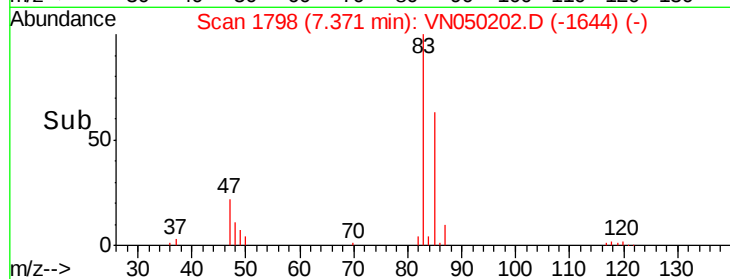
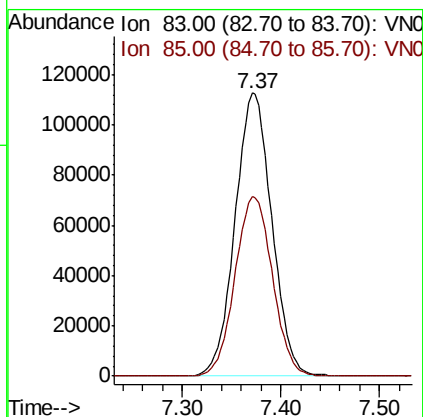
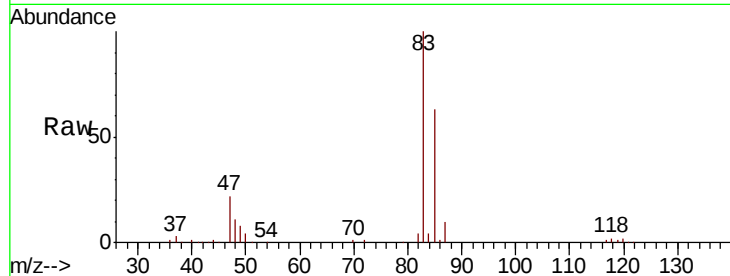




#25
Chloroform
Concen: 20.33 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

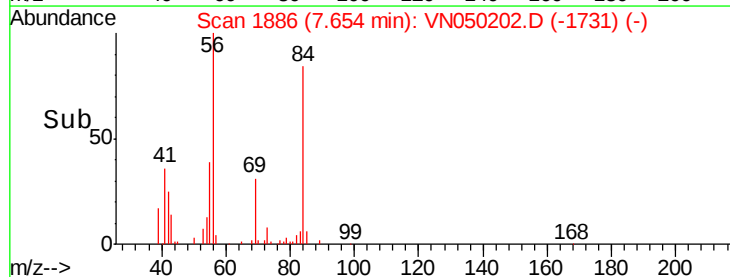
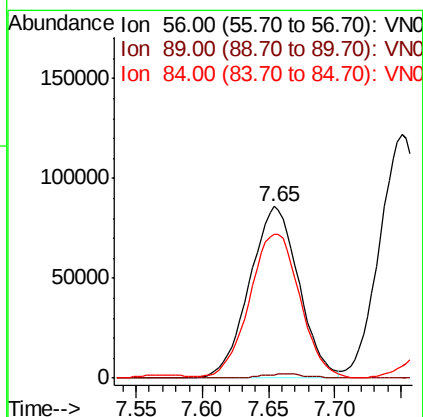
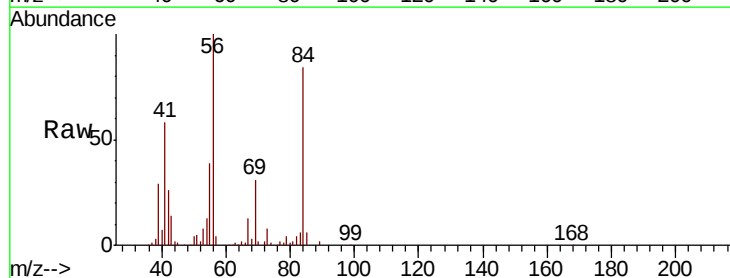
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

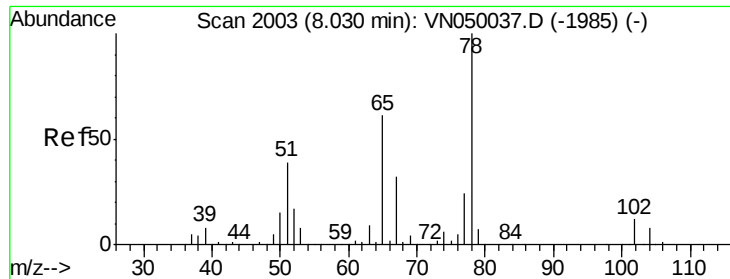
Tot Ion: 83 Resp: 291314
Ion Ratio Lower Upper
83 100
85 63.3 52.1 78.1



#26
Cyclohexane
Concen: 19.84 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 56 Resp: 223143
Ion Ratio Lower Upper
56 100
89 2.3 3.0 4.4#
84 86.3 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.79 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

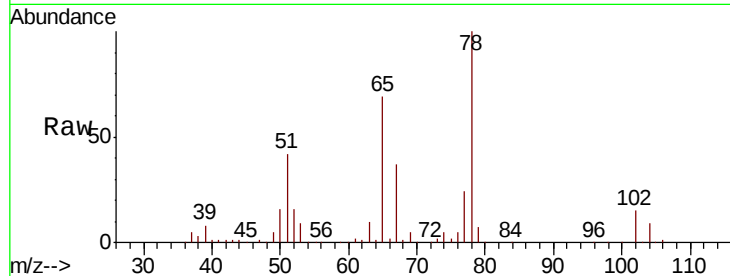
VSTDCCC020

Tot Ion: 65 Resp: 272822

Ion Ratio Lower Upper

65 100

67 53.0 42.7 64.1



Abundance Ion 65.00 (64.70 to 65.70): VN050037.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050037.D (-1985) (-)

8.03

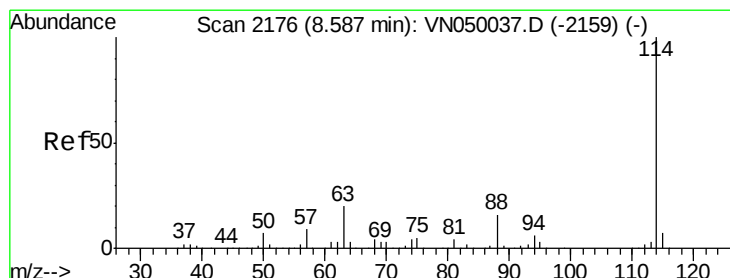
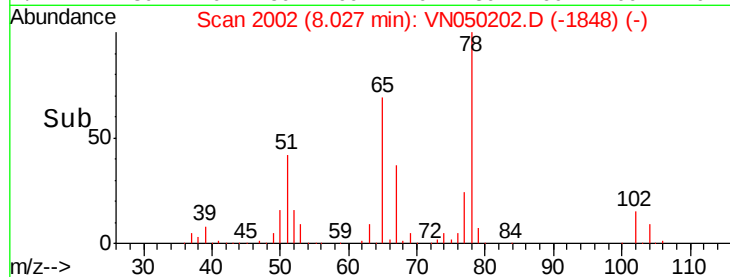
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

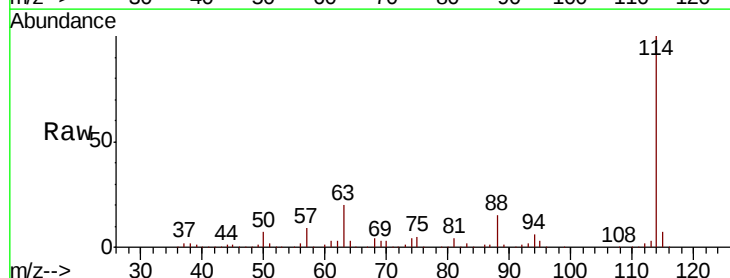
Tgt Ion: 114 Resp: 727741

Ion Ratio Lower Upper

114 100

63 19.9 16.2 24.2

88 15.0 12.3 18.5



Abundance Ion 114.00 (113.70 to 114.70): VN050037.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050037.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050037.D (-2159) (-)

8.59

400000

300000

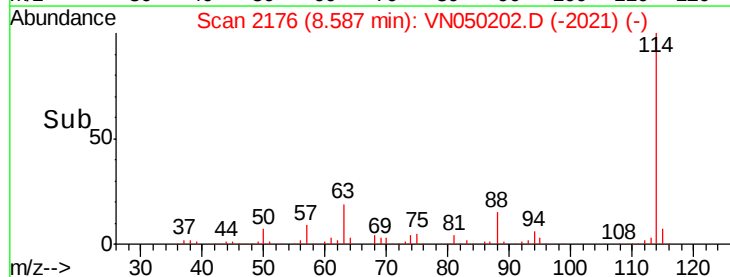
200000

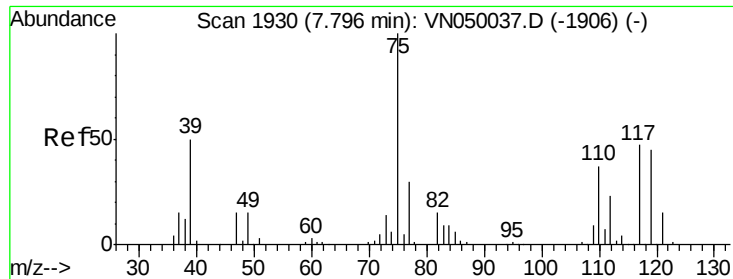
100000

0

8.50 8.55 8.60 8.65 8.70

Time-->

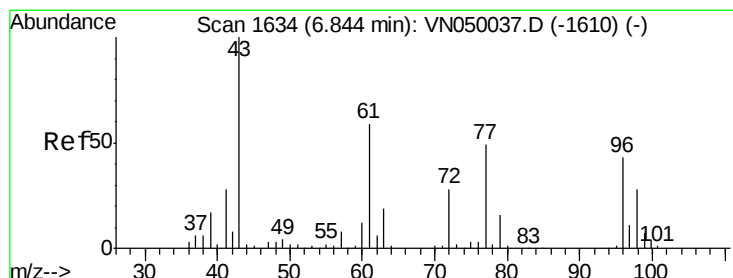
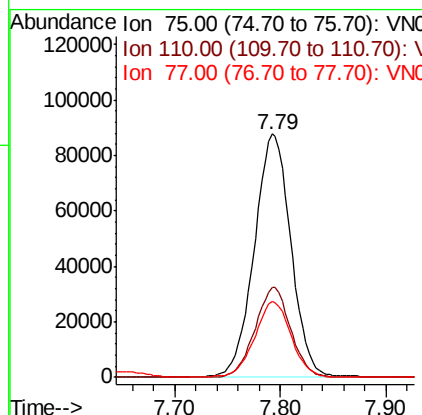
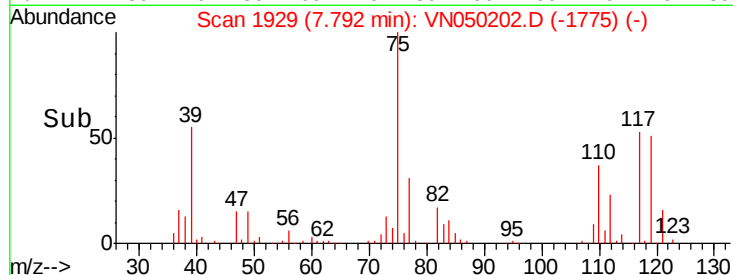
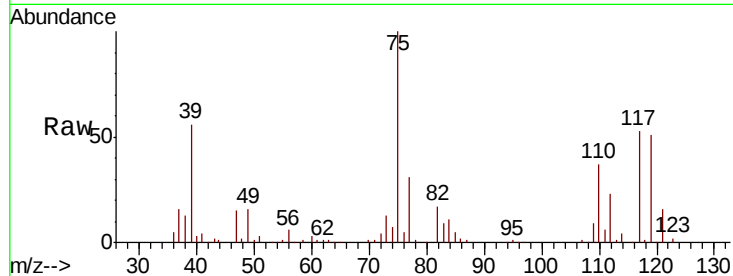




#29
 1,1-Dichloropropene
 Concen: 18.79 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

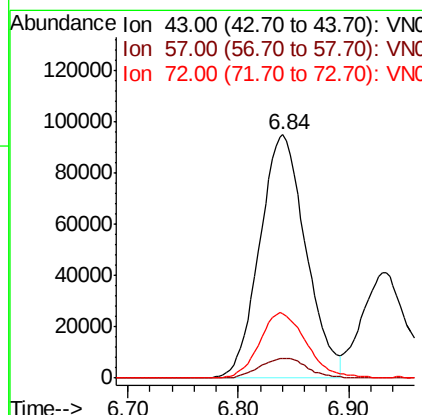
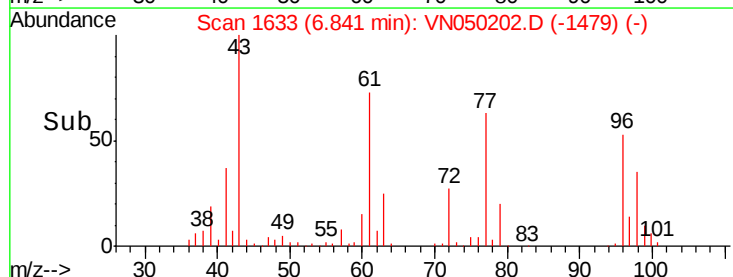
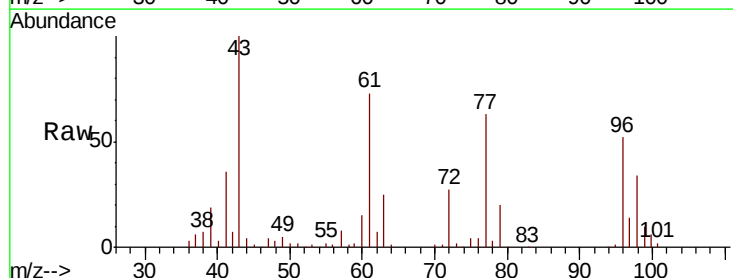
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

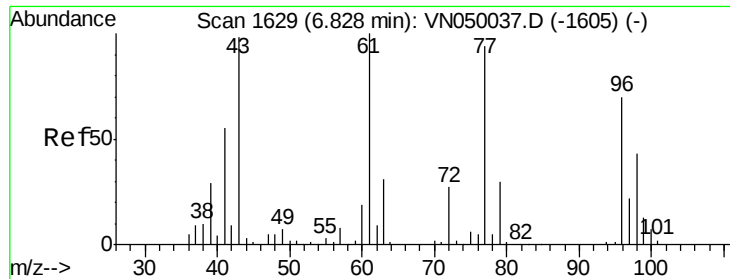
Tot Ion: 75 Resp: 212181
 Ion Ratio Lower Upper
 75 100
 110 36.0 0.0 73.2
 77 31.2 0.0 62.0



#30
 2-Butanone
 Concen: 77.35 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 43 Resp: 274126
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.8 10.2
 72 27.6 21.4 32.0





#31

2,2-Dichloropropane

Concen: 19.04 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

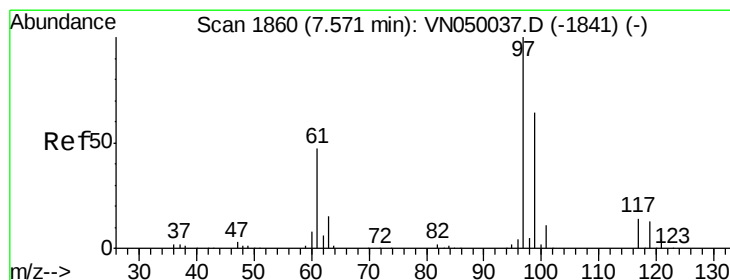
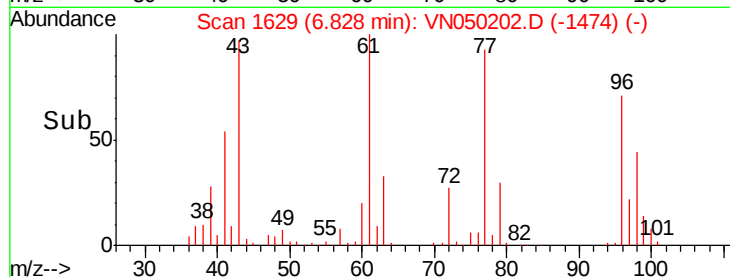
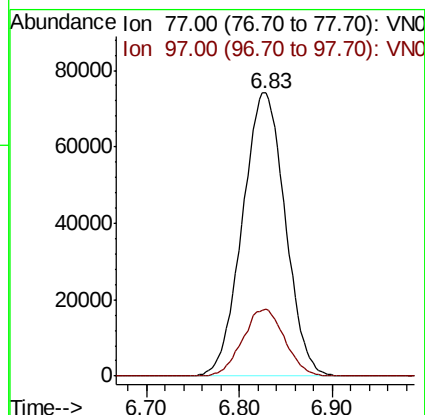
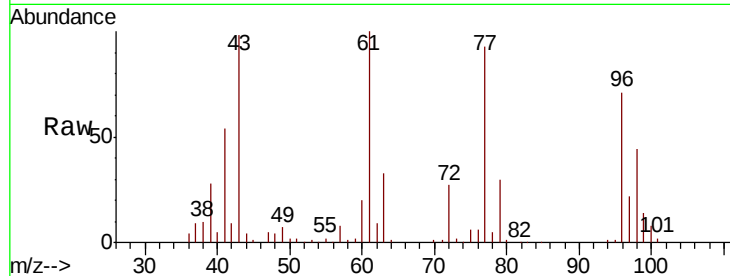
VSTDCCC020

Tot Ion: 77 Resp: 237647

Ion Ratio Lower Upper

77 100

97 23.2 18.9 28.3



#32

1,1,1-Trichloroethane

Concen: 18.67 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

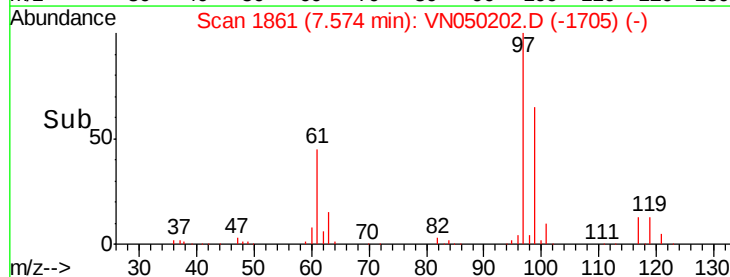
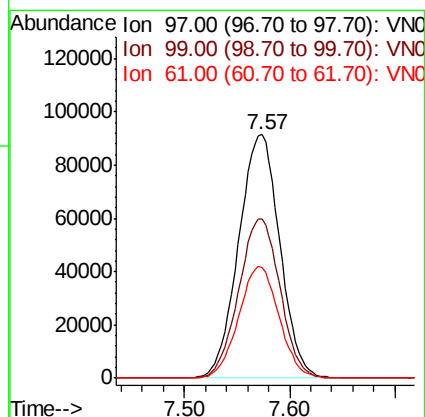
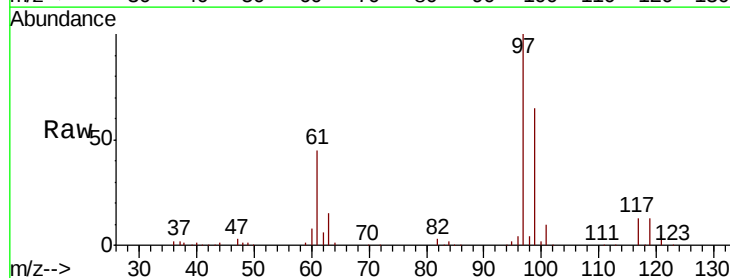
Tgt Ion: 97 Resp: 248239

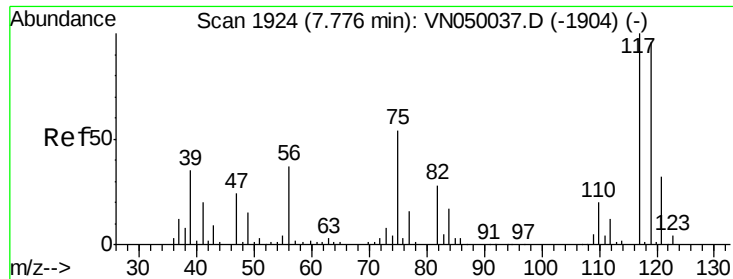
Ion Ratio Lower Upper

97 100

99 65.6 51.2 76.8

61 45.1 35.3 52.9

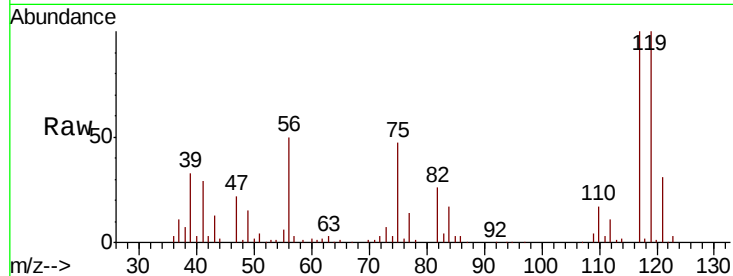




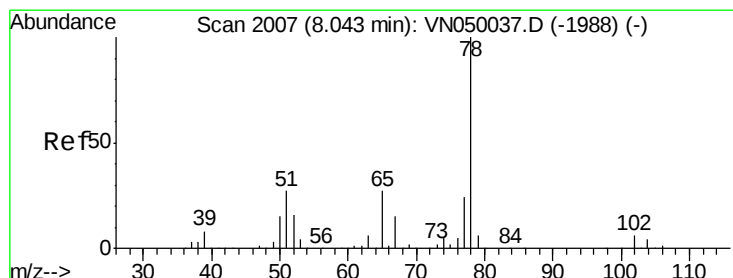
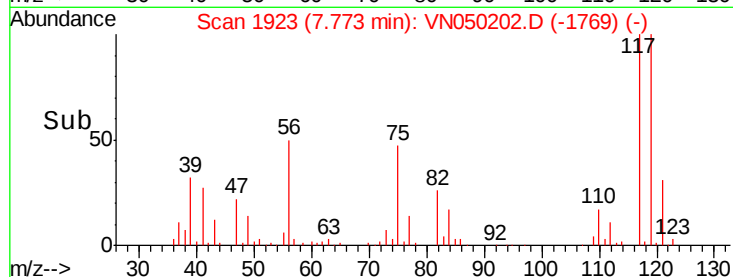
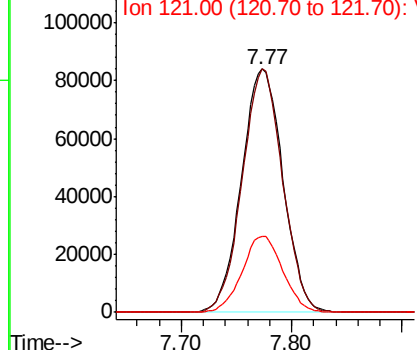
#33
Carbon Tetrachloride
Concen: 18.47 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion:117 Resp: 218842
Ion Ratio Lower Upper
117 100
119 99.8 76.9 115.3
121 31.3 24.4 36.6

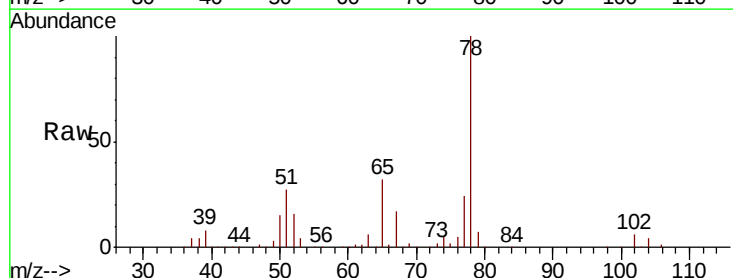


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

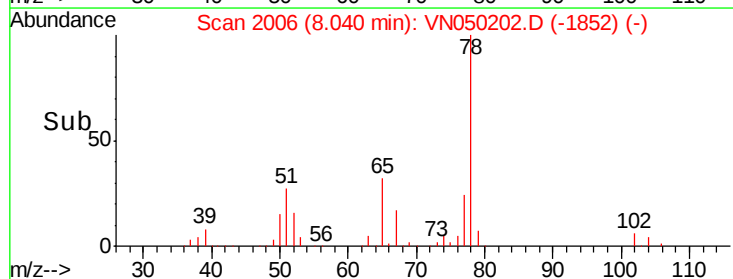
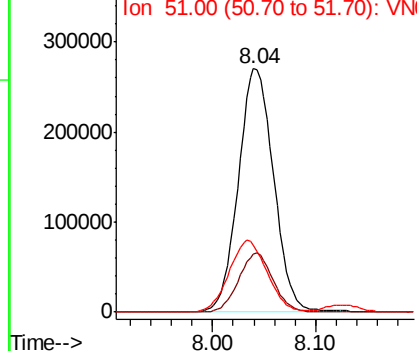


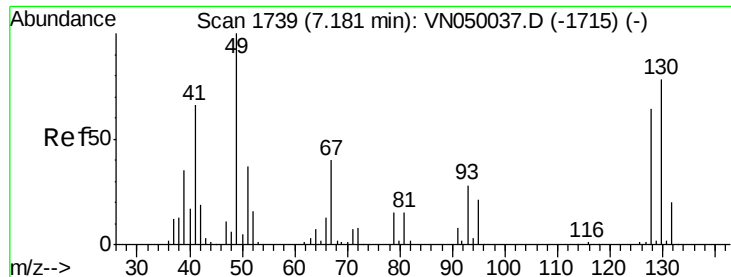
#34
Benzene
Concen: 18.75 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 78 Resp: 643251
Ion Ratio Lower Upper
78 100
77 23.8 19.1 28.7
51 27.4 21.0 31.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

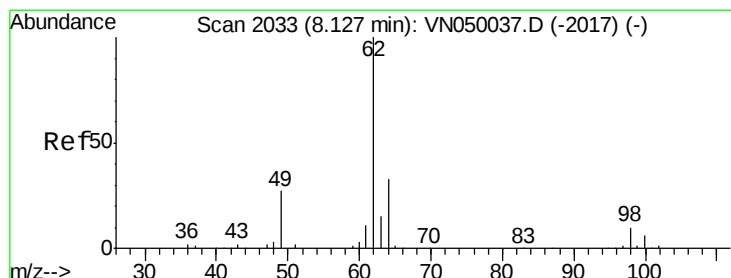
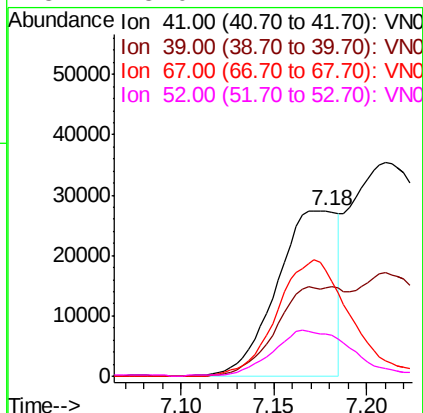
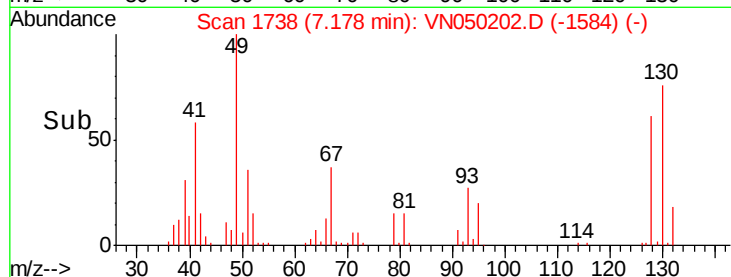
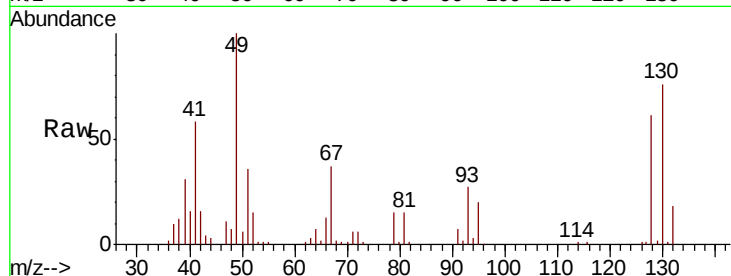




#35
Methacrylonitrile
Concen: 15.43 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

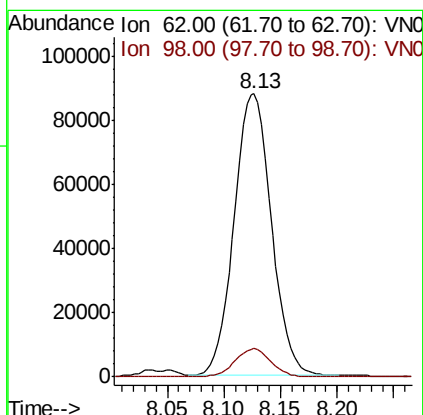
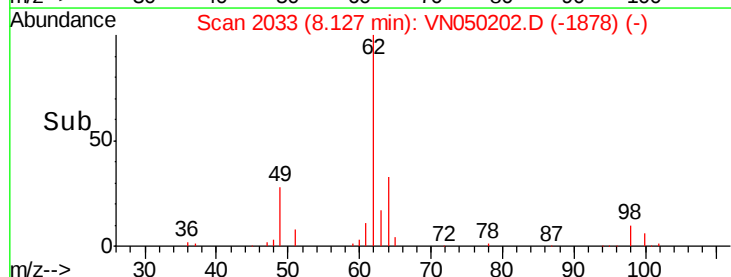
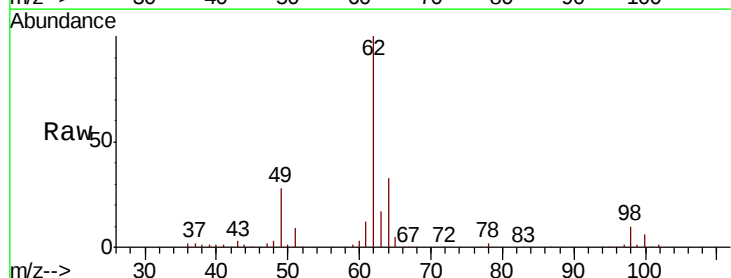
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

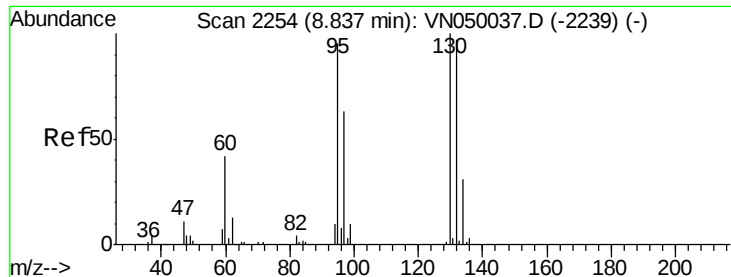
Tot Ion: 41 Resp: 62272
Ion Ratio Lower Upper
41 100
39 53.5 27.6 82.7
67 63.9 35.1 105.5
52 25.0 14.1 42.4



#36
1,2-Dichloroethane
Concen: 17.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 62 Resp: 201092
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.6





#37

Trichloroethene

Concen: 18.81 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

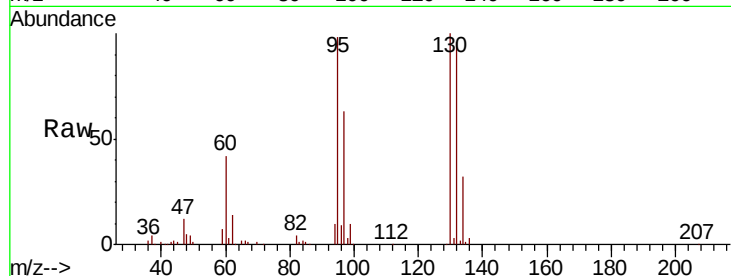
VSTDCCC020

Tot Ion:130 Resp: 169222

Ion Ratio Lower Upper

130 100

95 98.1 79.7 119.5



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

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

8.83

80000

60000

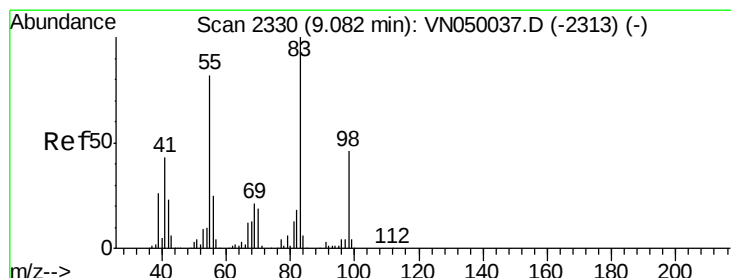
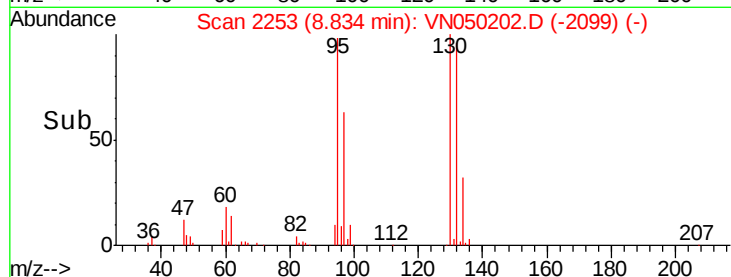
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.40 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

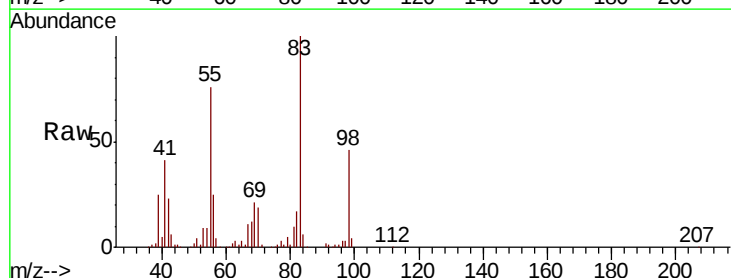
Tgt Ion: 83 Resp: 219096

Ion Ratio Lower Upper

83 100

55 77.0 39.3 117.8

98 46.1 23.0 69.0



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

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

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

9.08

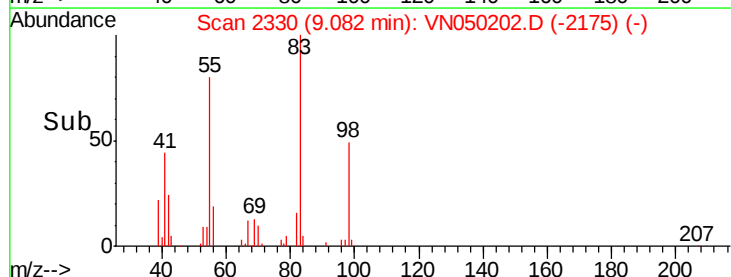
100000

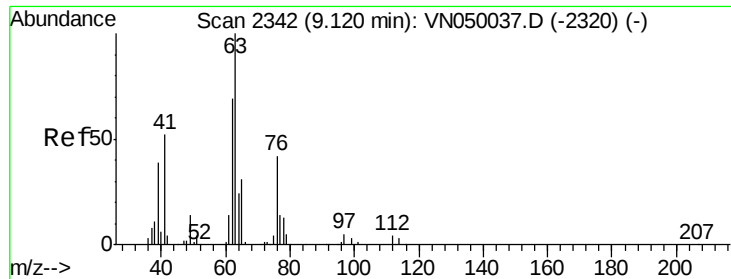
50000

0

9.00 9.10 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 18.76 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

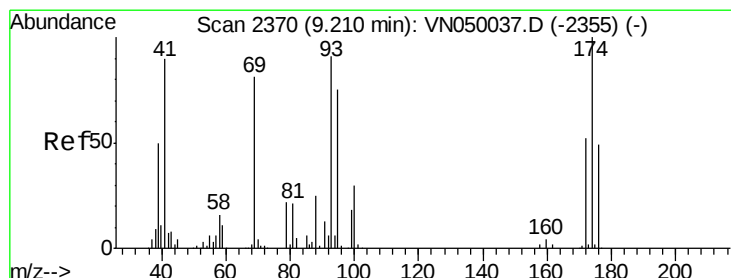
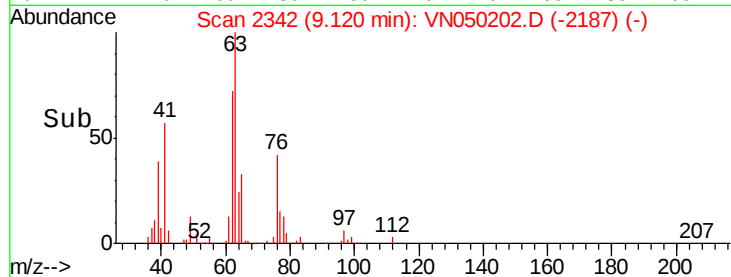
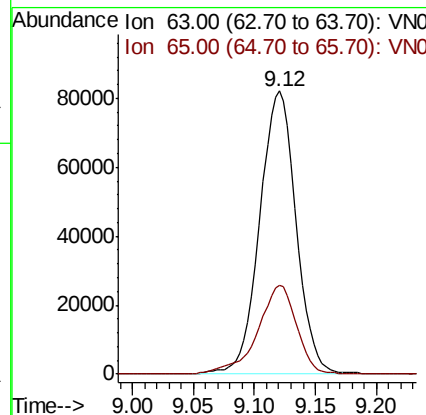
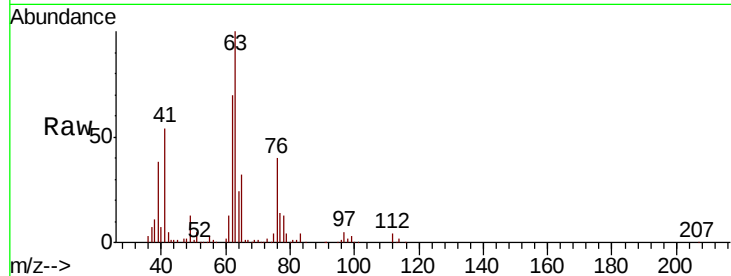
VSTDCCC020

Tot Ion: 63 Resp: 169543

Ion Ratio Lower Upper

63 100

65 31.3 24.2 36.2



#40

Dibromomethane

Concen: 17.86 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

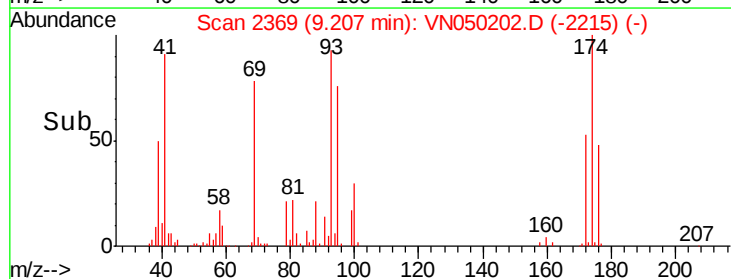
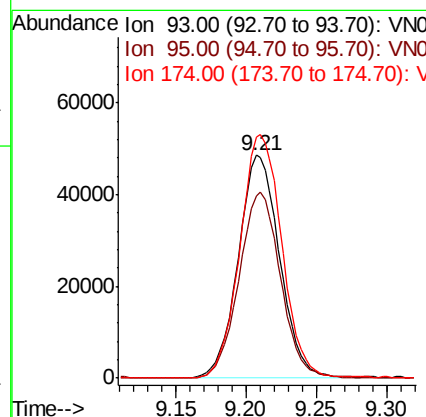
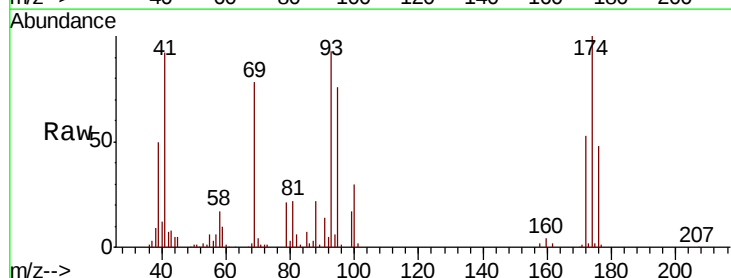
Tgt Ion: 93 Resp: 99720

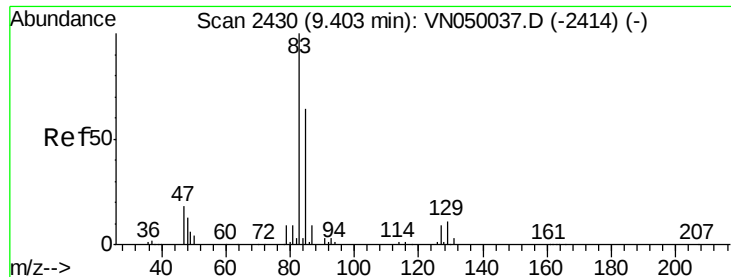
Ion Ratio Lower Upper

93 100

95 83.6 0.0 165.6

174 110.3 0.0 223.2





#41

Bromodichloromethane

Concen: 19.10 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

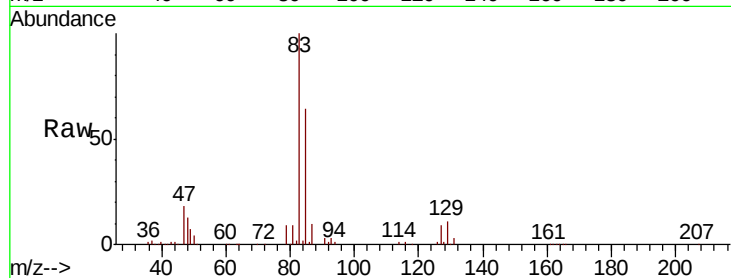
Tot Ion: 83 Resp: 225027

Ion Ratio Lower Upper

83 100

85 63.6 52.6 78.8

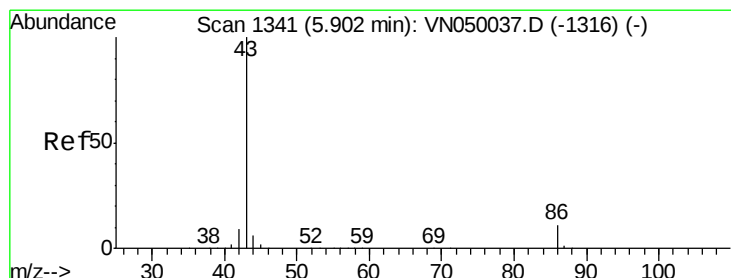
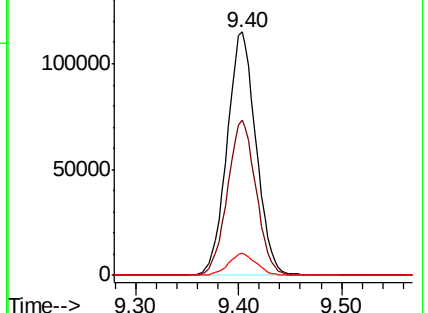
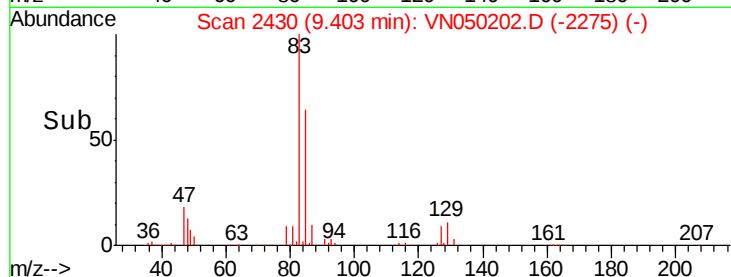
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 83.01 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050202.D

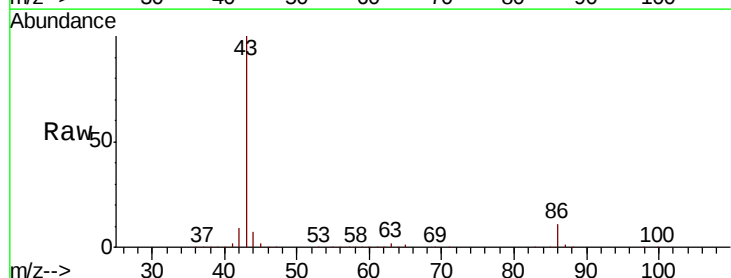
Acq: 31 Jul 2018 8:17

Tgt Ion: 43 Resp: 1384351

Ion Ratio Lower Upper

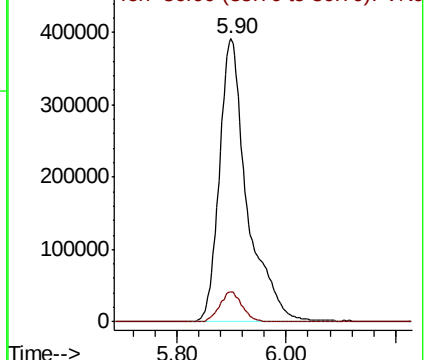
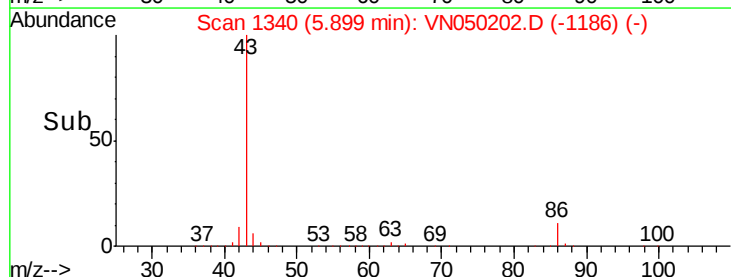
43 100

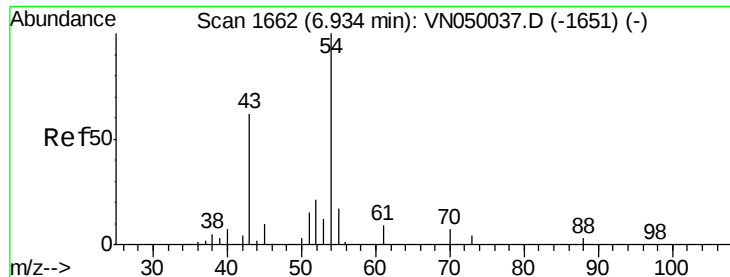
86 8.7 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 15.63 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

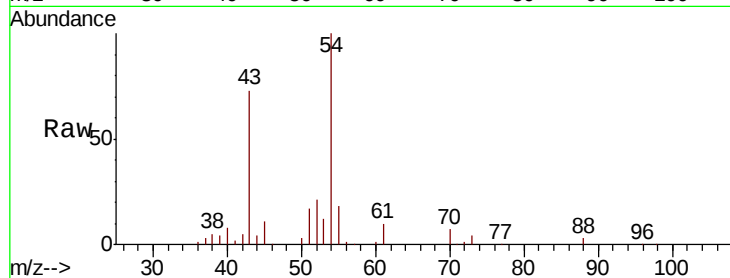
VSTDCCC020

Tot Ion: 43 Resp: 115677

Ion Ratio Lower Upper

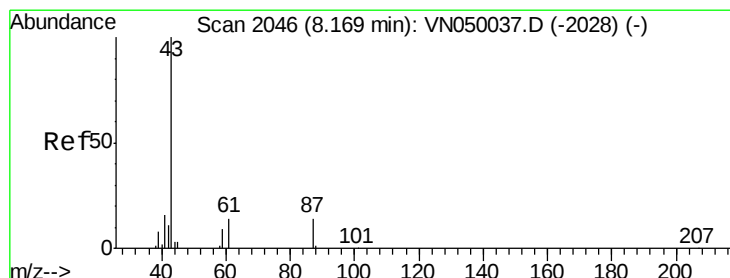
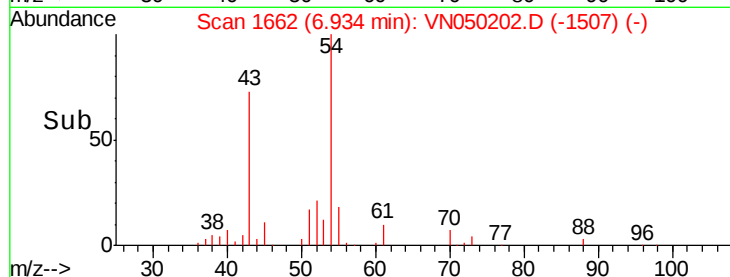
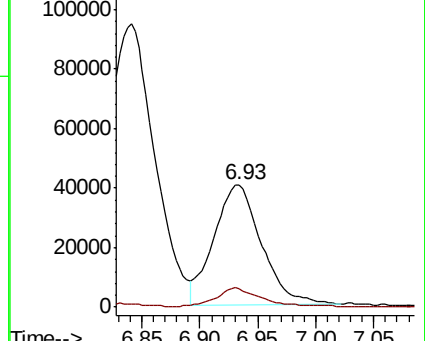
43 100

45 13.5 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: 17.55 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050202.D

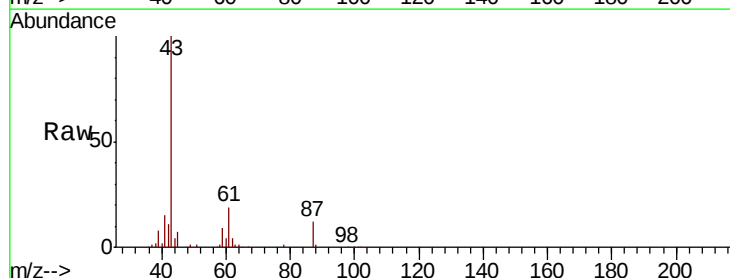
Acq: 31 Jul 2018 8:17

Tgt Ion: 43 Resp: 240586

Ion Ratio Lower Upper

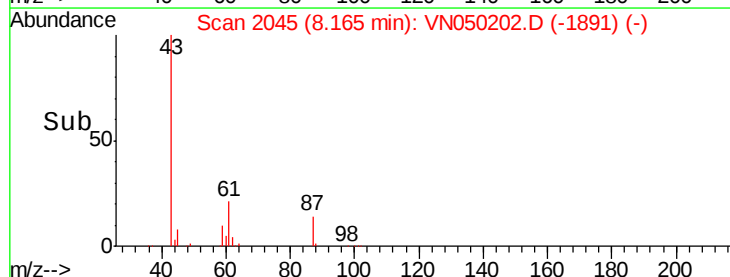
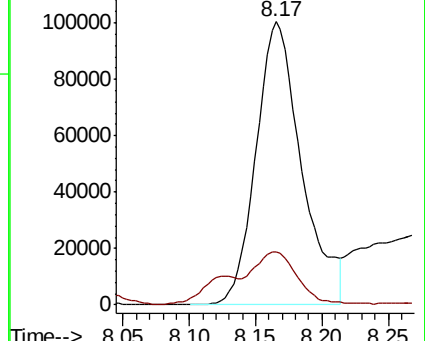
43 100

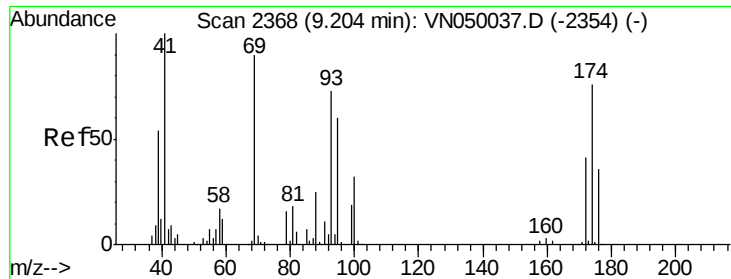
61 17.6 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

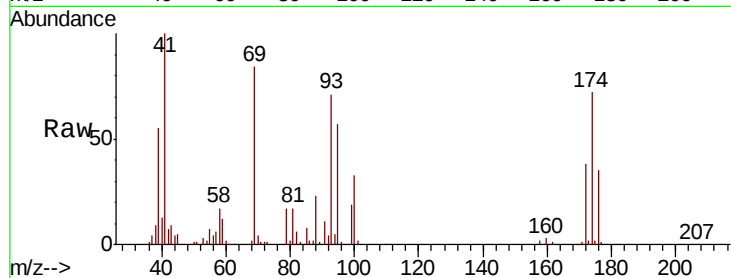




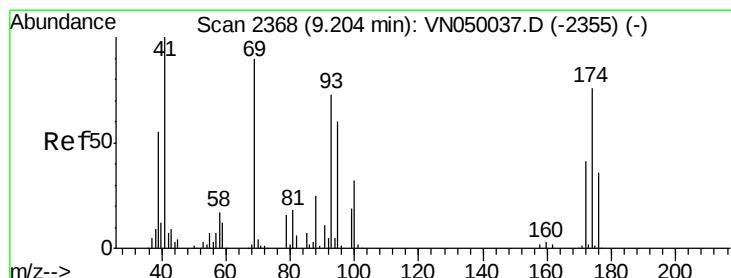
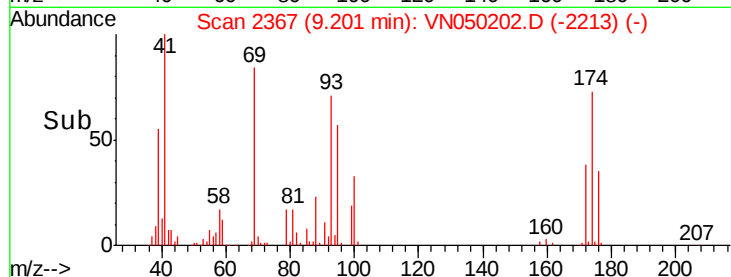
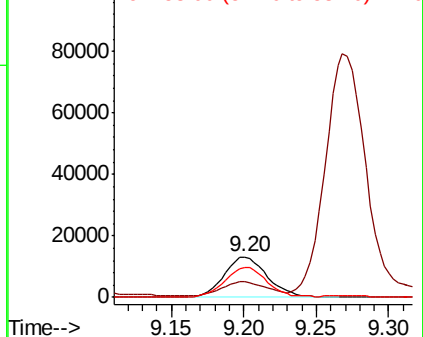
#45
 1,4-Dioxane
 Concen: 303.03 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 27337
 Ion Ratio Lower Upper
 88 100
 43 33.3 26.9 40.3
 58 71.1 53.6 80.4

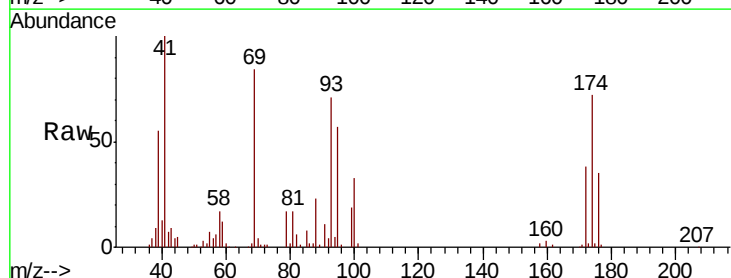


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

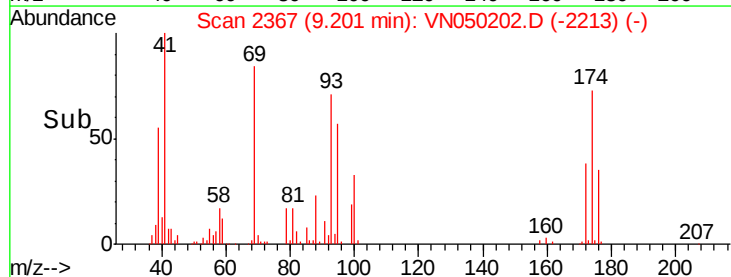
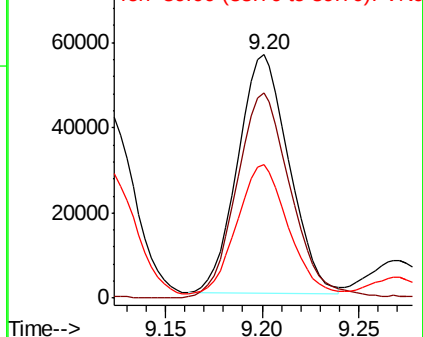


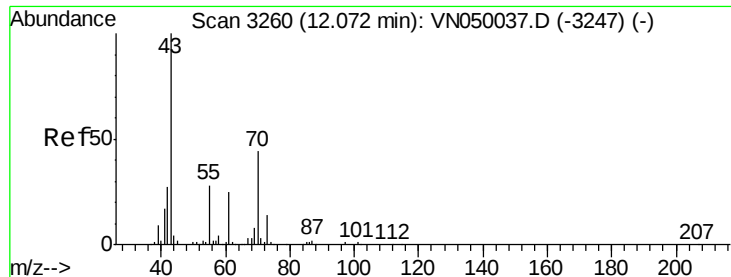
#46
 Methyl methacrylate
 Concen: 15.60 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 41 Resp: 103655
 Ion Ratio Lower Upper
 41 100
 69 85.4 44.0 132.1
 39 54.0 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: 14.36 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

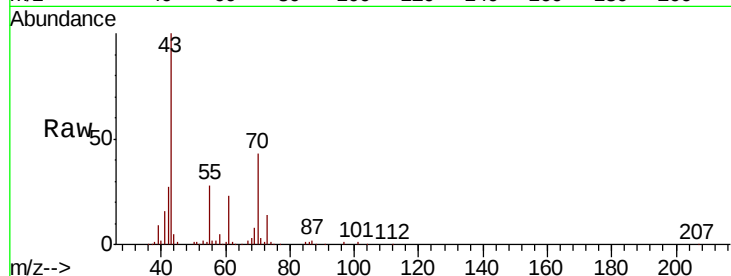
VSTDCCC020

Tot Ion: 43 Resp: 153190

Ion Ratio Lower Upper

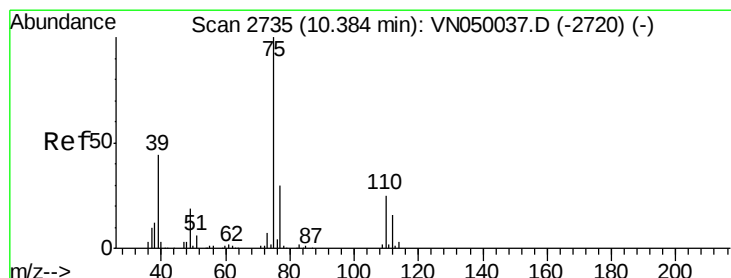
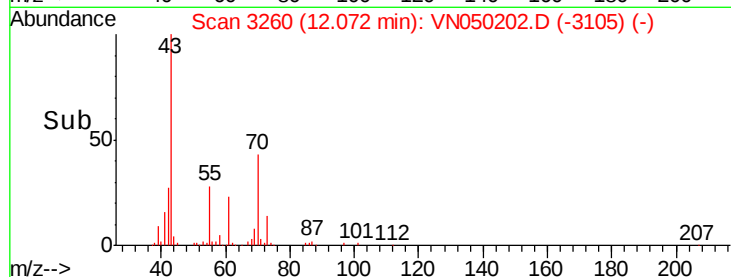
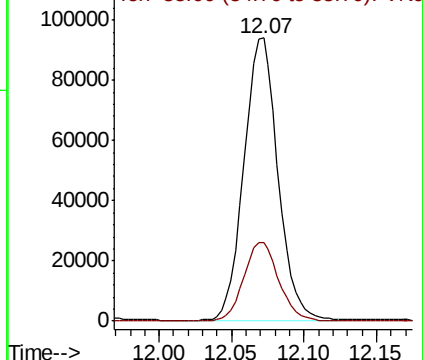
43 100

55 28.9 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: 18.01 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050202.D

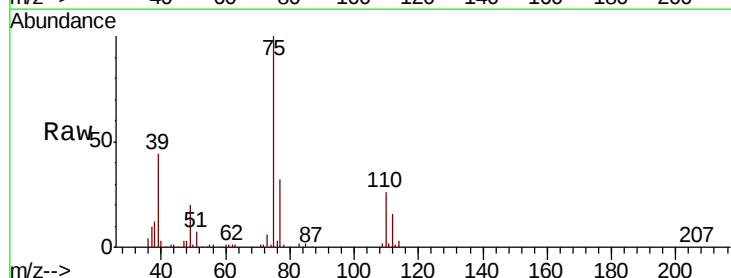
Acq: 31 Jul 2018 8:17

Tgt Ion: 75 Resp: 202252

Ion Ratio Lower Upper

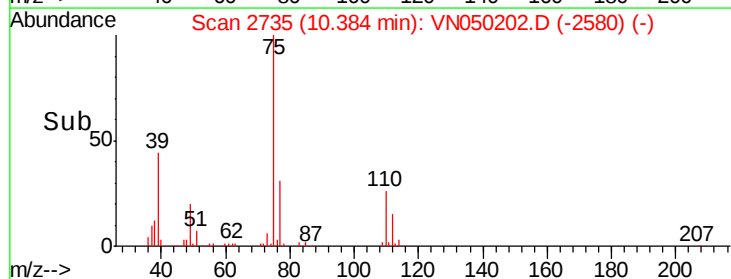
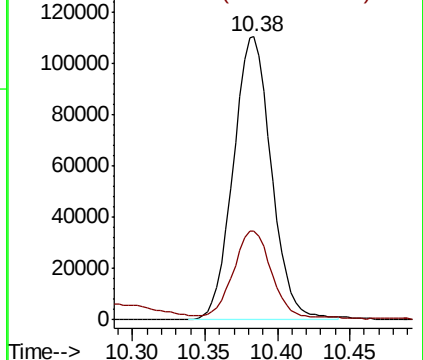
75 100

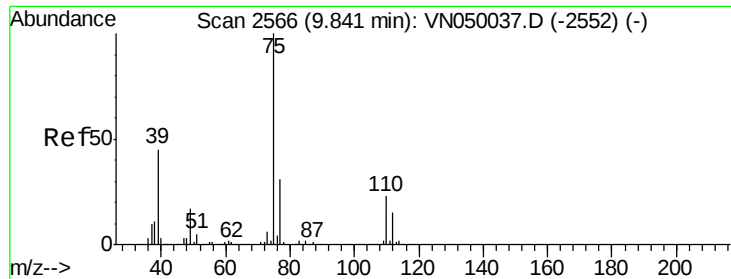
77 30.7 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

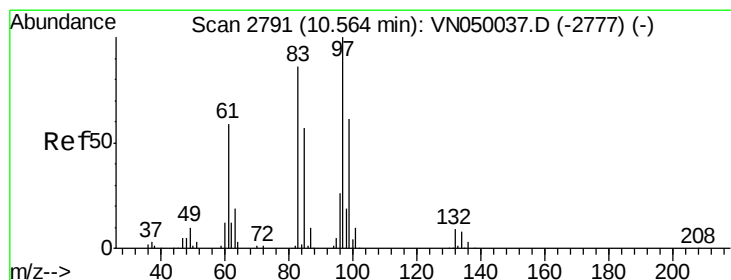
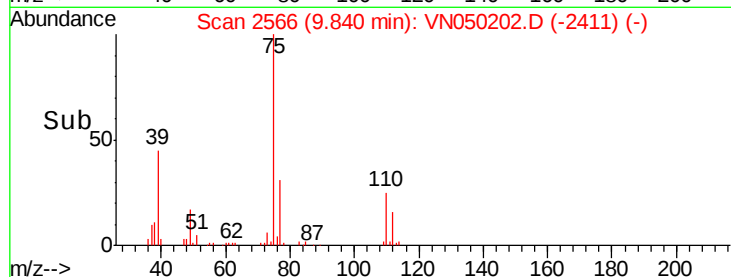
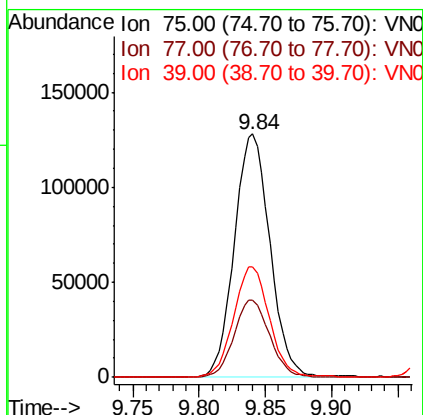
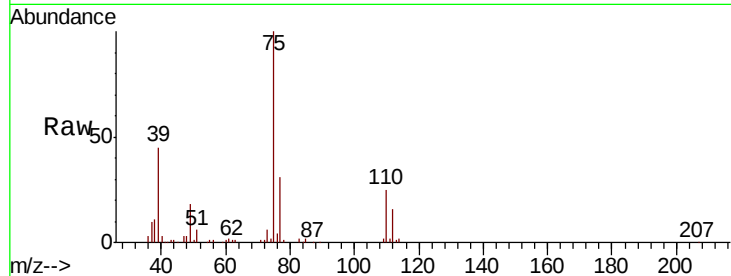




#49
 cis-1,3-Dichloropropene
 Concen: 18.16 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

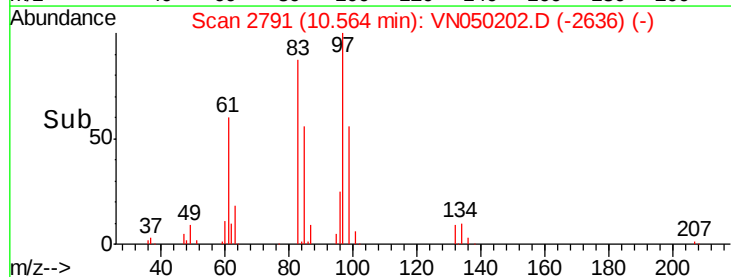
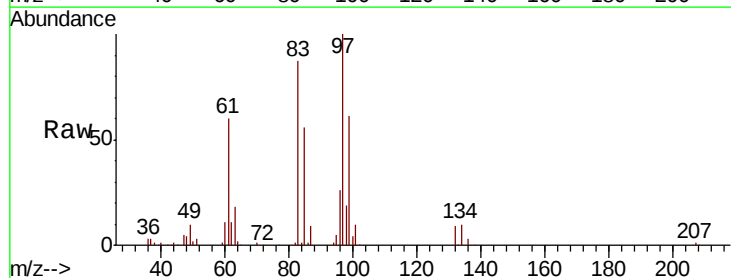
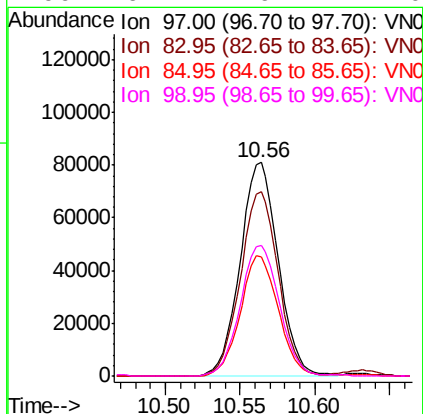
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

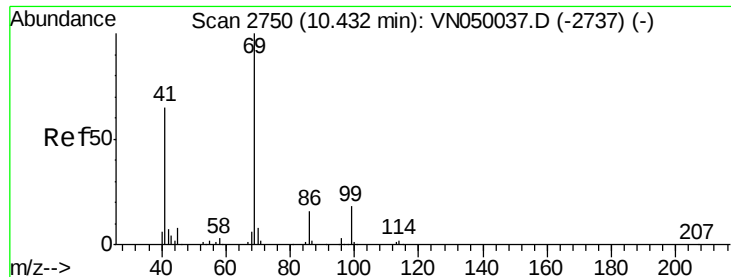
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.7	38.5
39	45.1	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 17.92 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	55.8	45.4	68.2
99	61.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 15.98 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

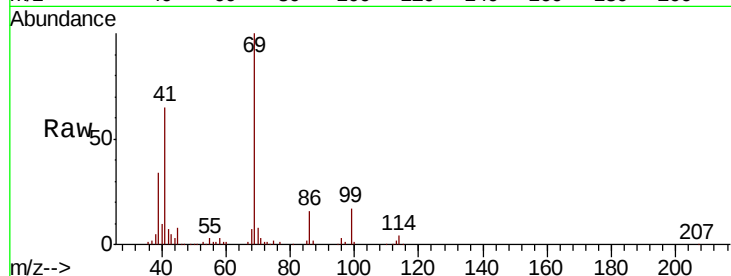
Tot Ion: 69 Resp: 155485

Ion Ratio Lower Upper

69 100

41 64.4 31.9 95.9

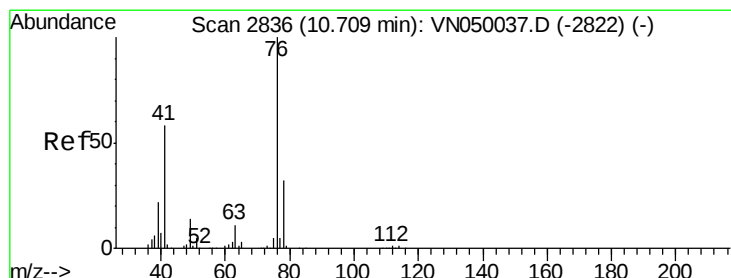
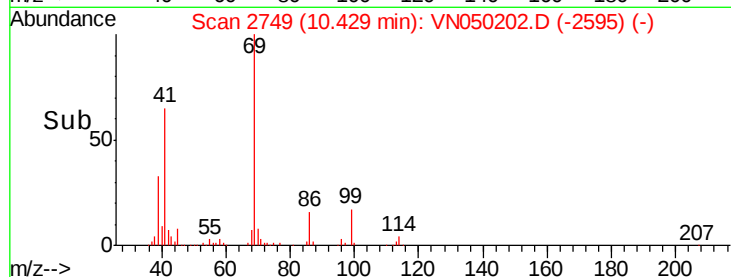
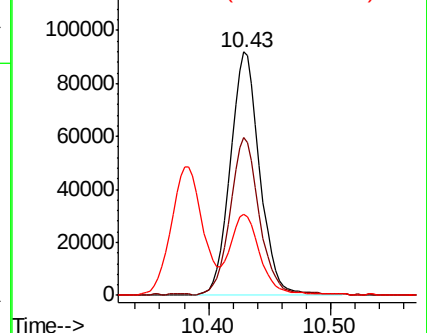
39 32.9 16.7 50.1



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: 17.86 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050202.D

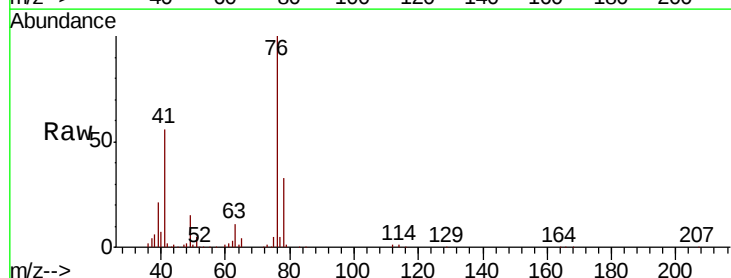
Acq: 31 Jul 2018 8:17

Tgt Ion: 76 Resp: 235112

Ion Ratio Lower Upper

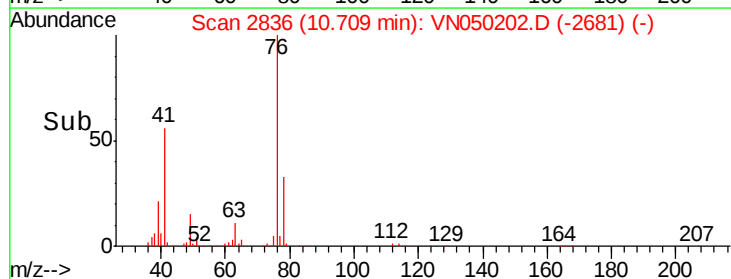
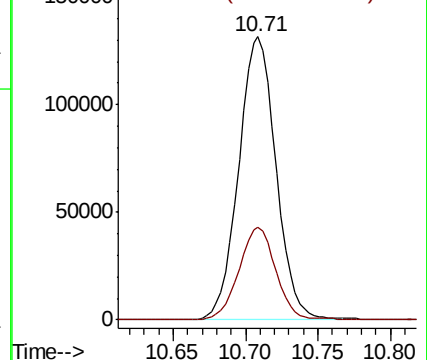
76 100

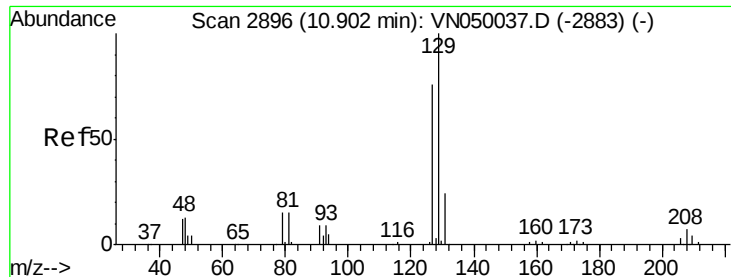
78 32.4 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

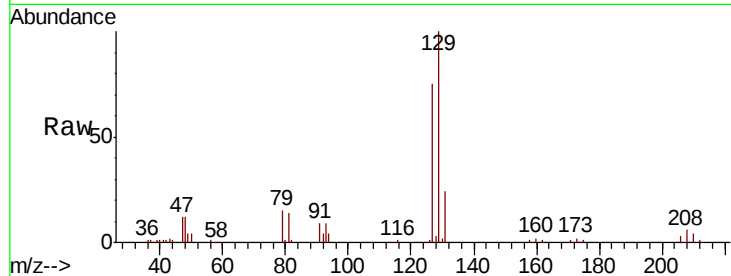




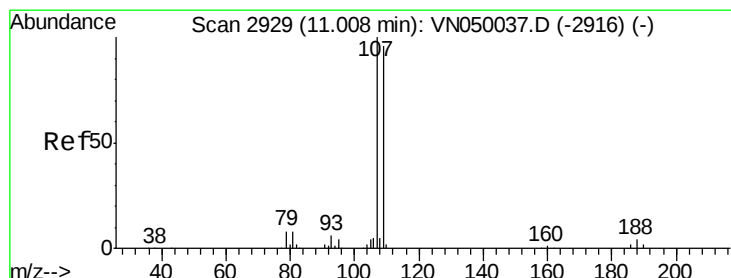
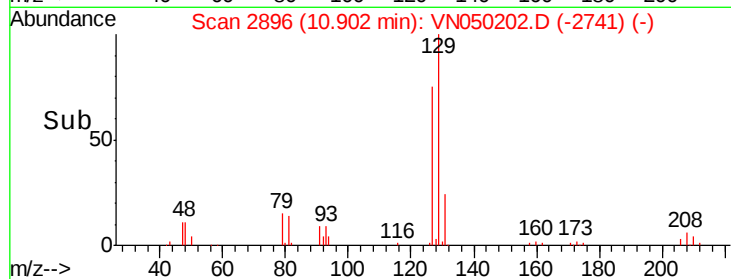
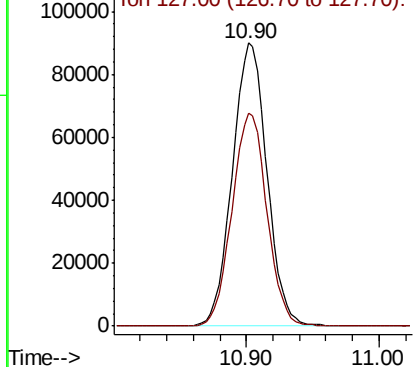
#53
 Dibromochloromethane
 Concen: 17.91 ug/l
 RT: 10.90 min Scan# 2896
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:129 Resp: 162893
 Ion Ratio Lower Upper
 129 100
 127 75.7 38.1 114.5

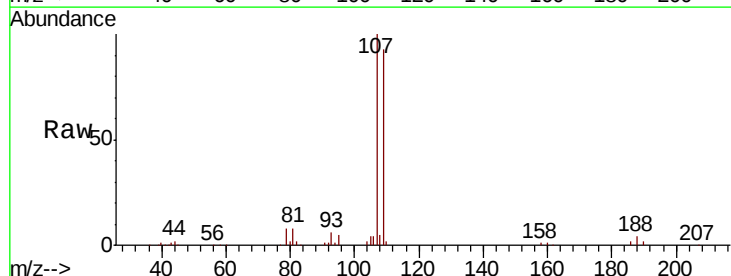


Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

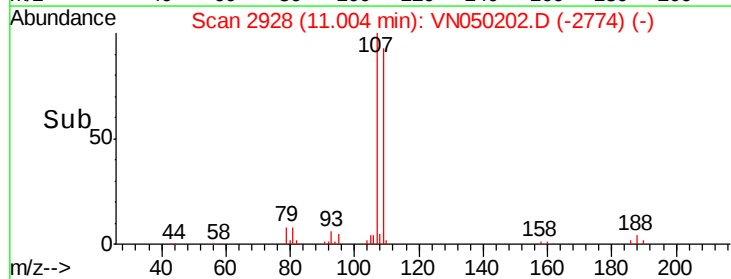
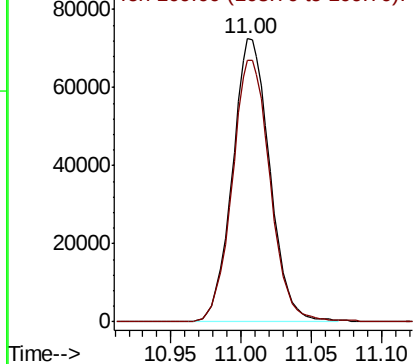


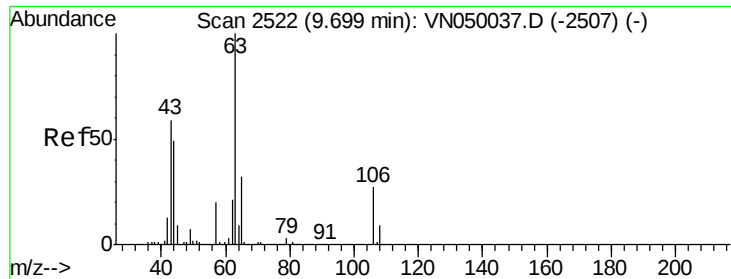
#54
 1,2-Dibromoethane
 Concen: 17.09 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion:107 Resp: 134146
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V

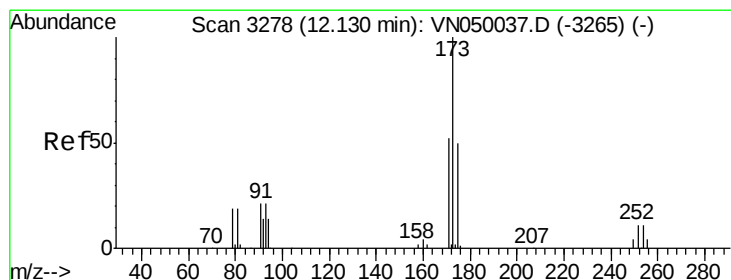
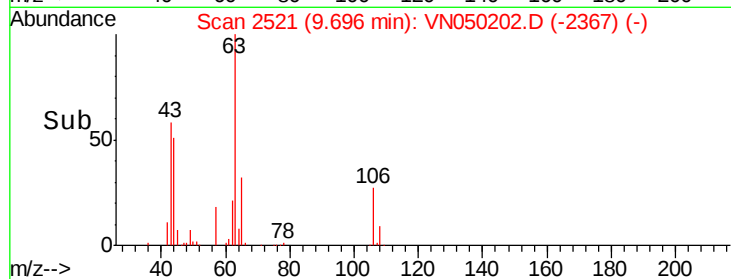
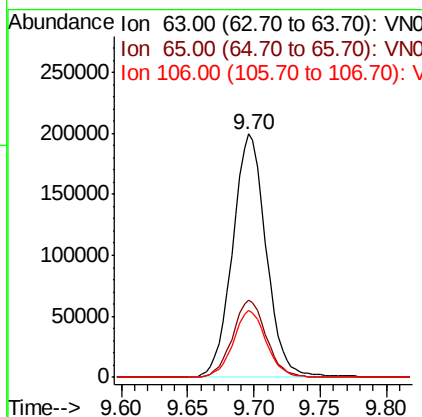
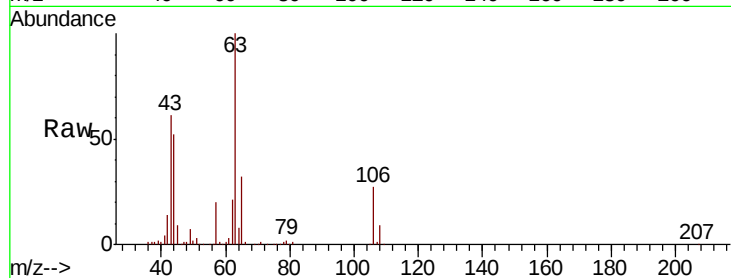




#55
 2-Chloroethyl vinyl ether
 Concen: 79.64 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

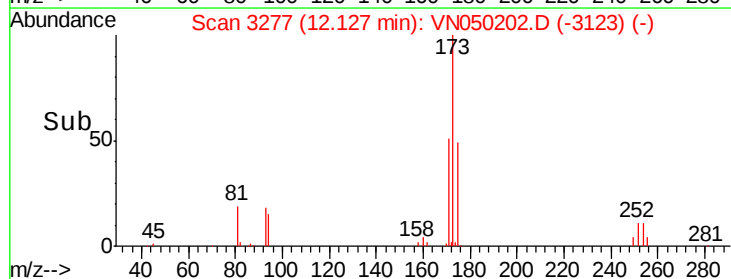
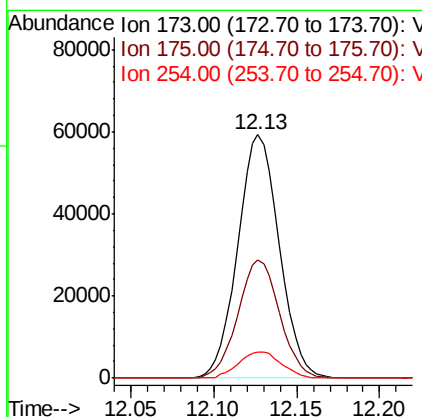
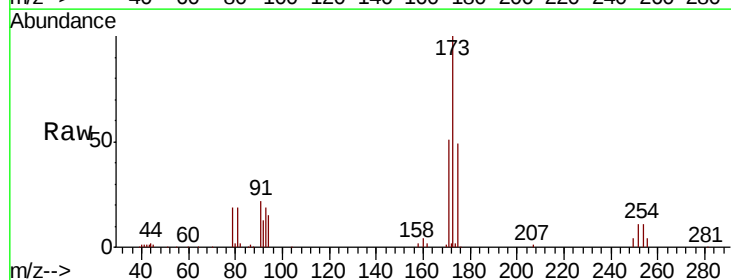
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

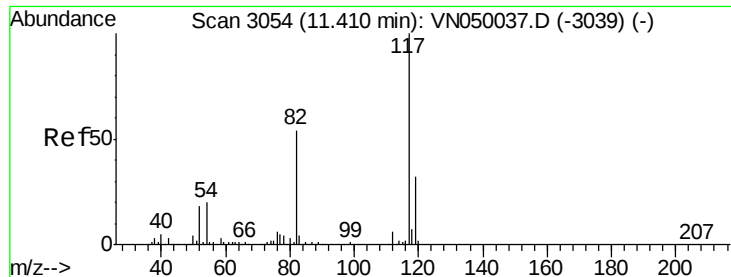
Tot Ion: 63 Resp: 350672
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3
 106 27.0 21.8 32.6



#56
 Bromoform
 Concen: 16.04 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 173 Resp: 103020
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.6 57.8
 254 11.0 8.8 13.2

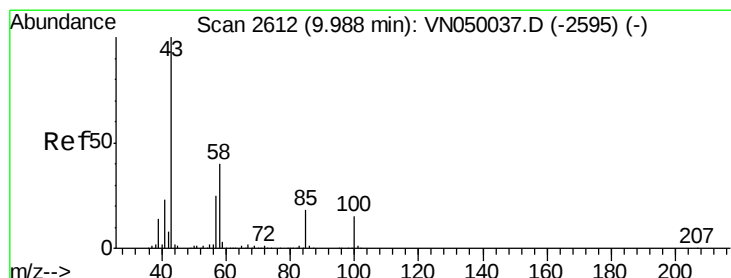
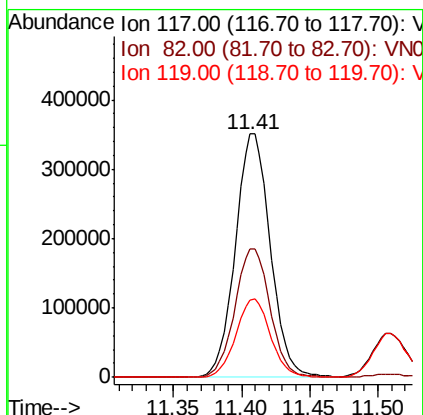
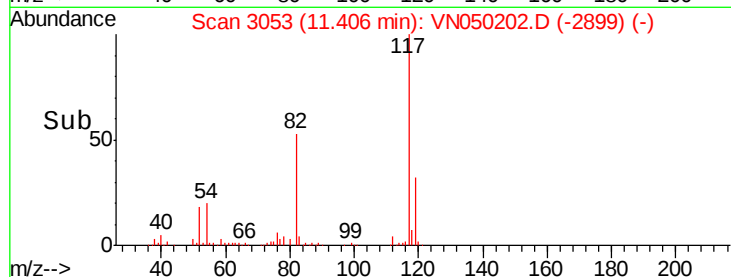
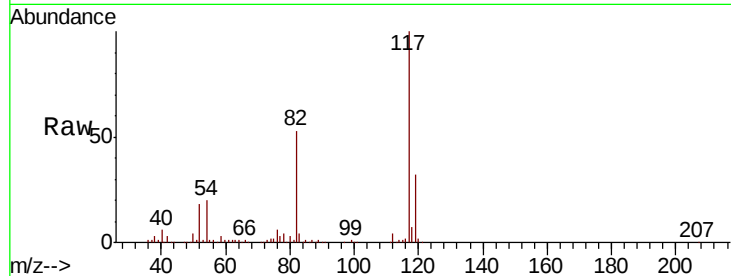




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

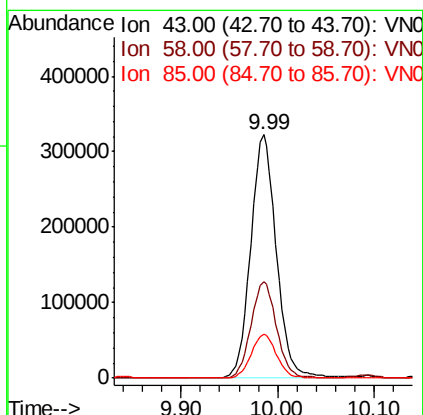
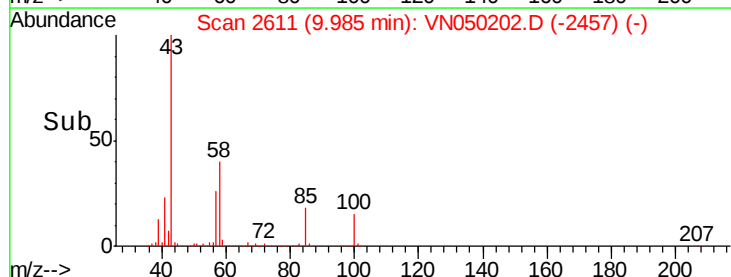
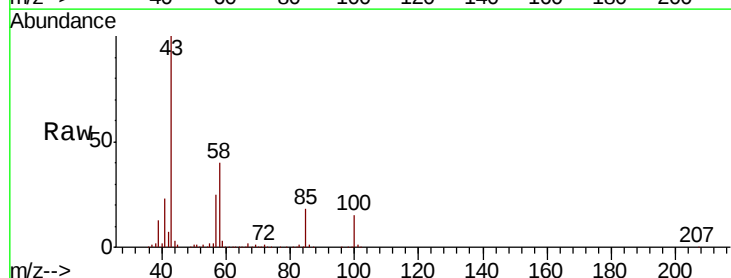
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

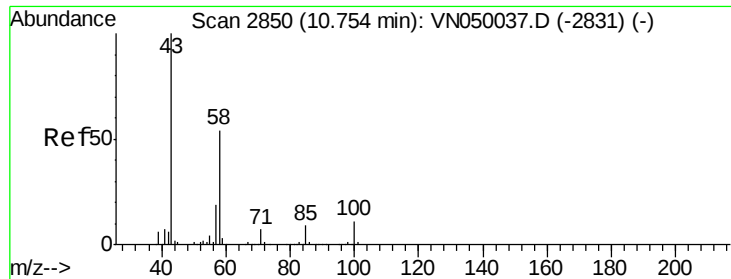
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.3	42.4	63.6
119	31.8	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 81.17 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.7	31.2	46.8
85	18.0	14.4	21.6

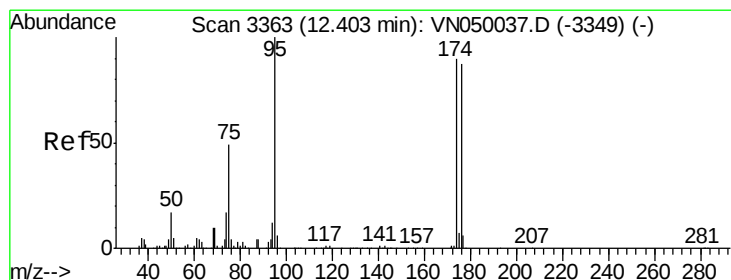
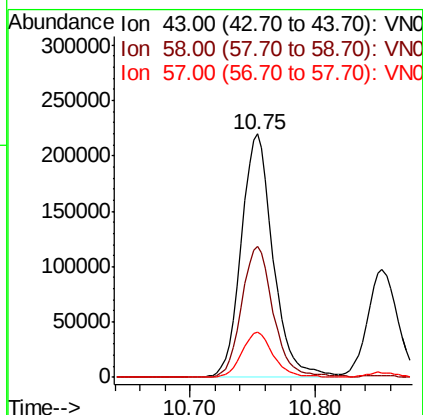
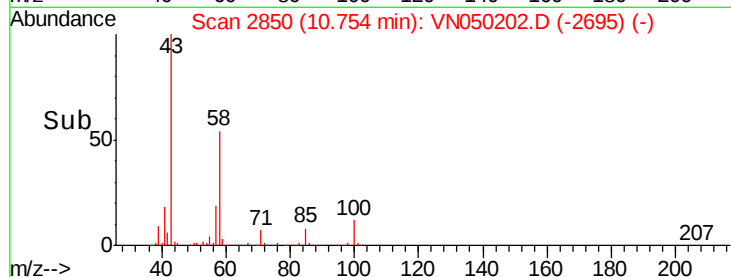
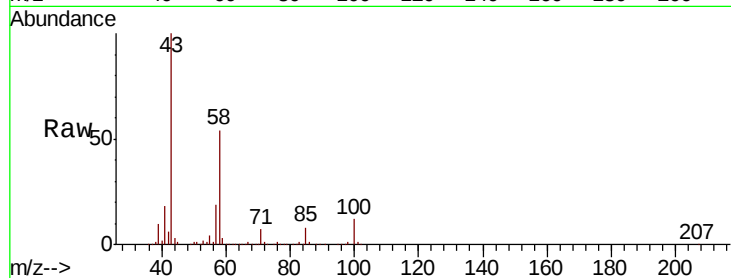




#59
2-Hexanone
Concen: 78.12 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

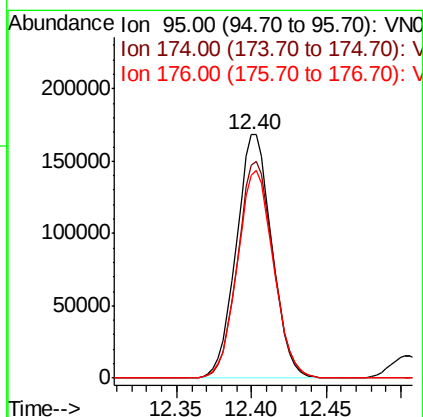
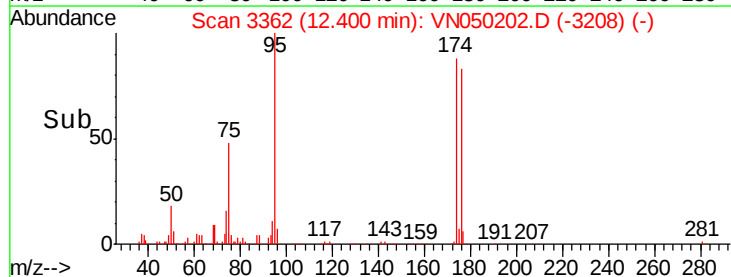
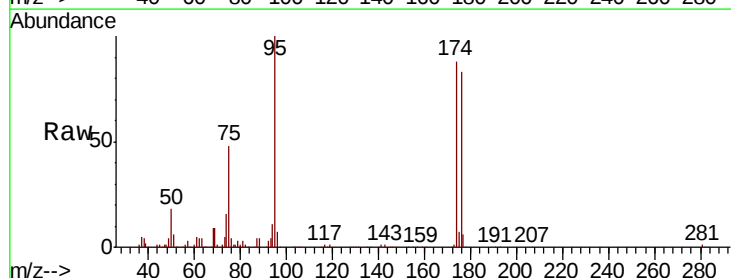
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

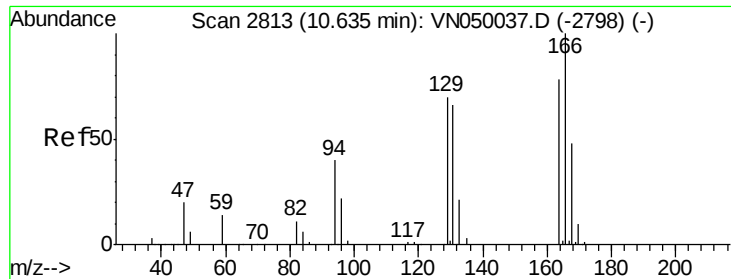
Tot Ion: 43 Resp: 386934
Ion Ratio Lower Upper
43 100
58 54.0 43.8 65.8
57 18.4 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.08 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 95 Resp: 278716
Ion Ratio Lower Upper
95 100
174 89.6 72.3 108.5
176 86.7 70.0 105.0





#61

Tetrachloroethene

Concen: 18.98 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 160399

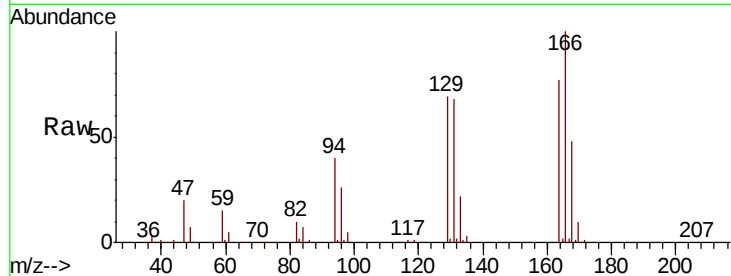
Ion Ratio Lower Upper

164 100

166 130.4 100.0 150.0

129 90.5 69.3 103.9

131 88.4 68.8 103.2

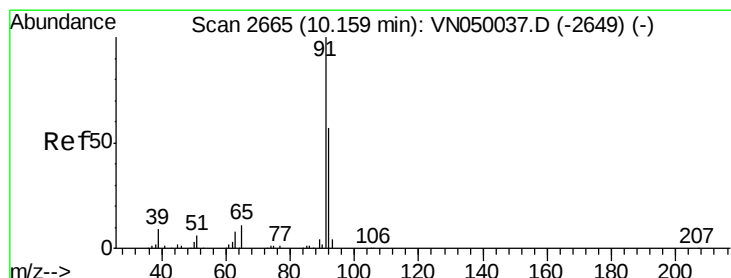
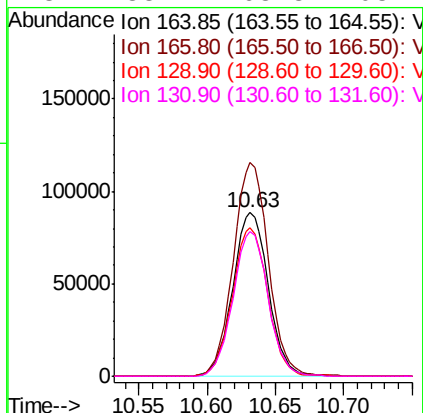
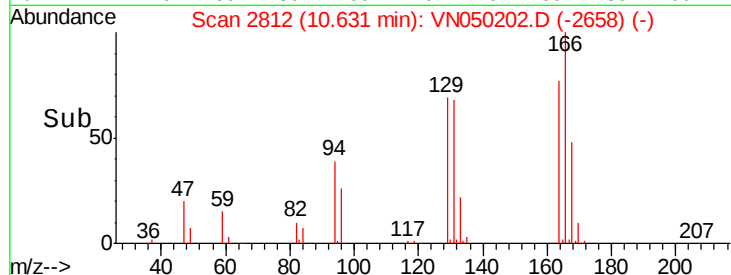


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.32 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050202.D

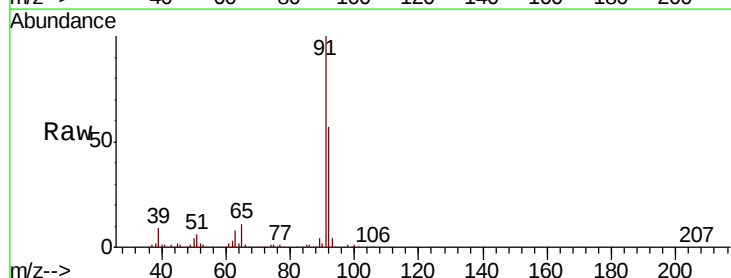
Acq: 31 Jul 2018 8:17

Tgt Ion: 91 Resp: 687705

Ion Ratio Lower Upper

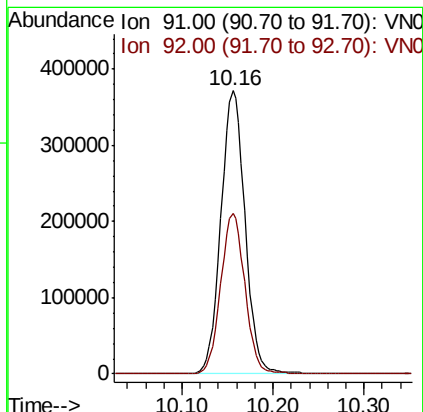
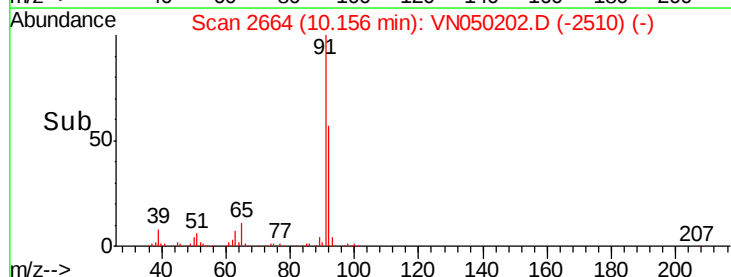
91 100

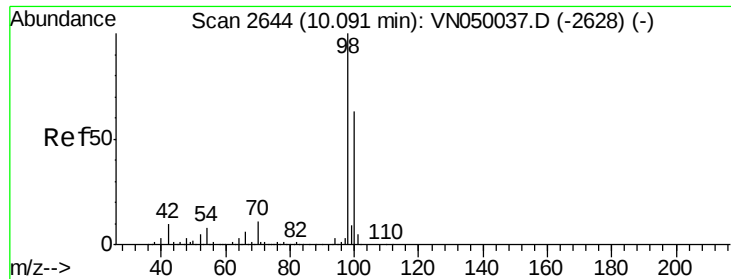
92 56.8 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.45 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

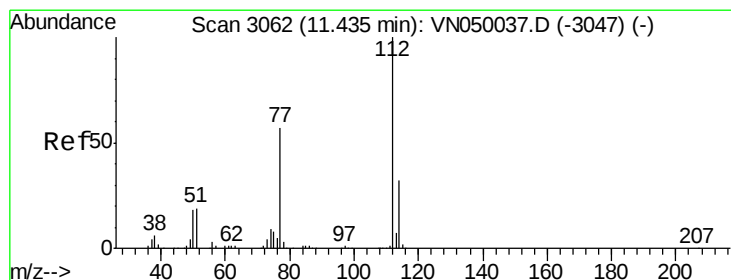
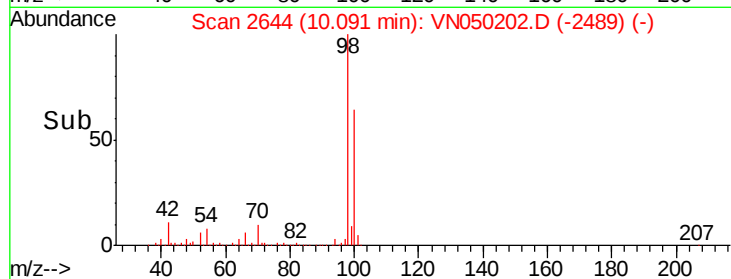
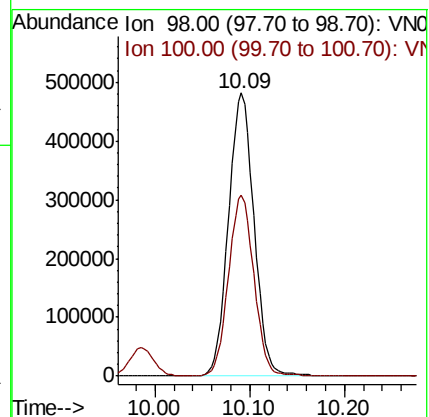
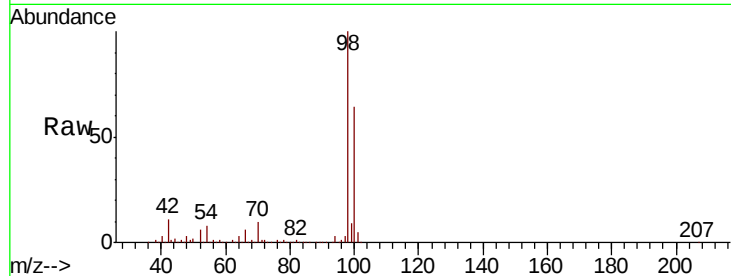
VSTDCCC020

Tot Ion: 98 Resp: 907583

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



#64

Chlorobenzene

Concen: 19.36 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050202.D

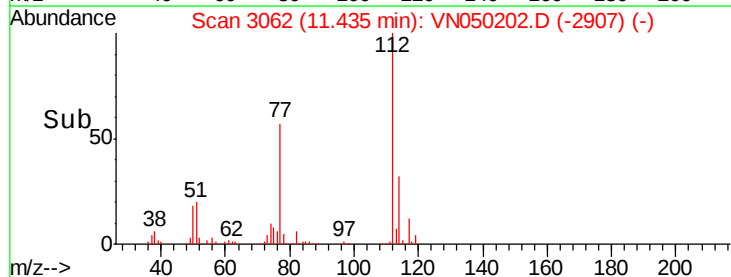
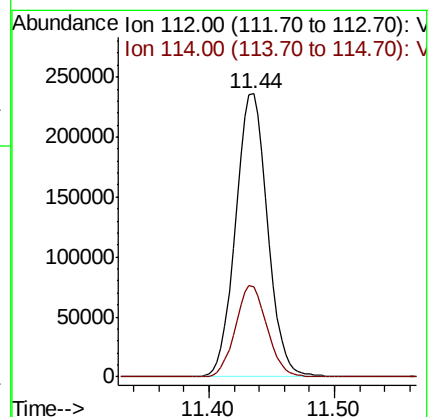
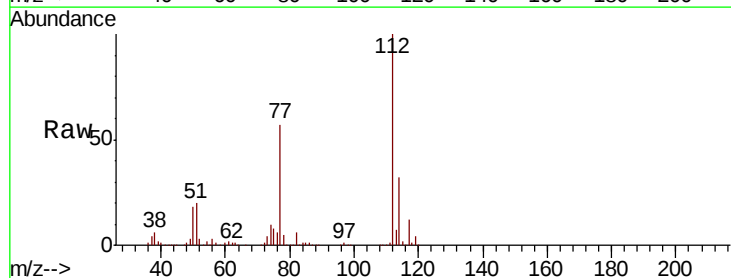
Acq: 31 Jul 2018 8:17

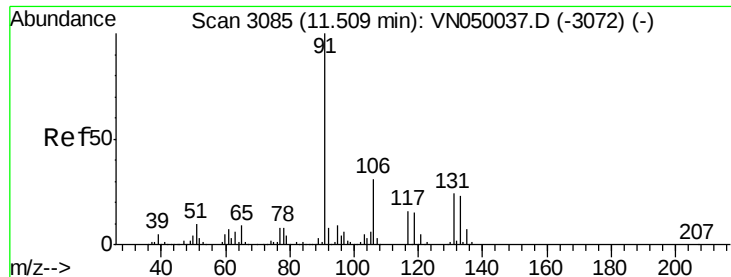
Tgt Ion: 112 Resp: 417841

Ion Ratio Lower Upper

112 100

114 31.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.16 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

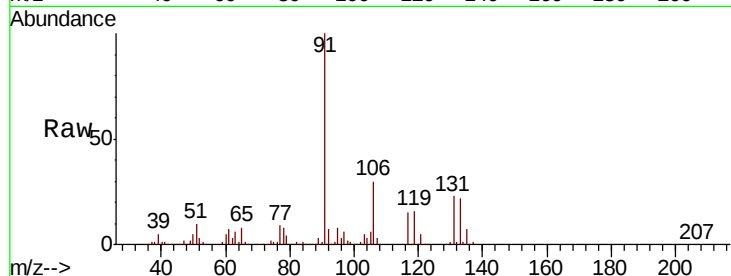
Tot Ion:131 Resp: 161321

Ion Ratio Lower Upper

131 100

133 96.3 0.0 190.0

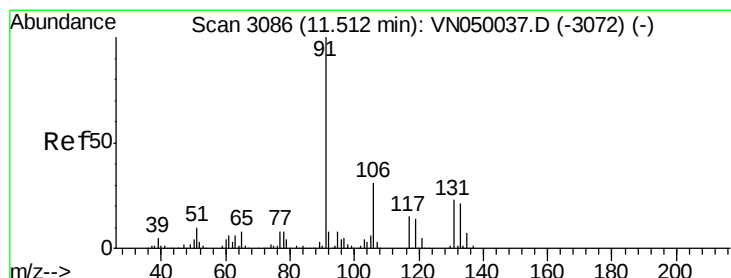
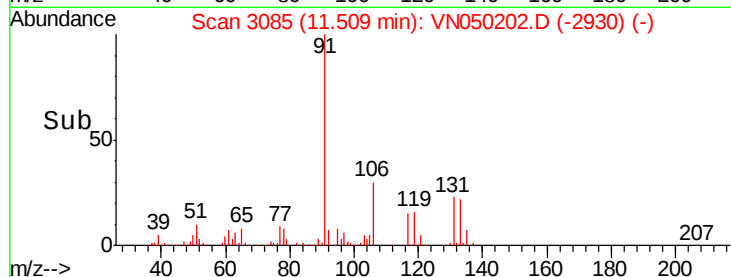
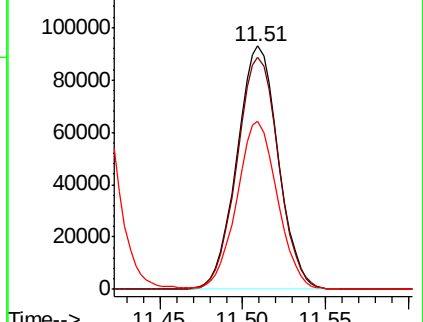
119 67.7 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050202.D

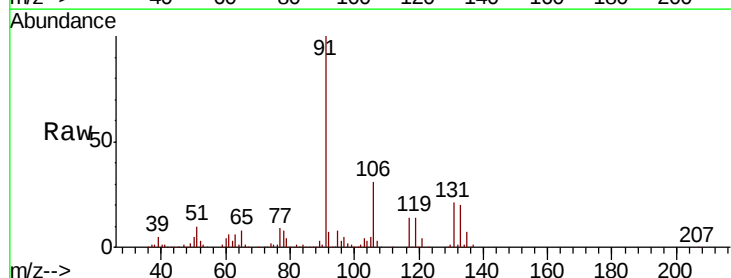
Acq: 31 Jul 2018 8:17

Tgt Ion: 91 Resp: 691513

Ion Ratio Lower Upper

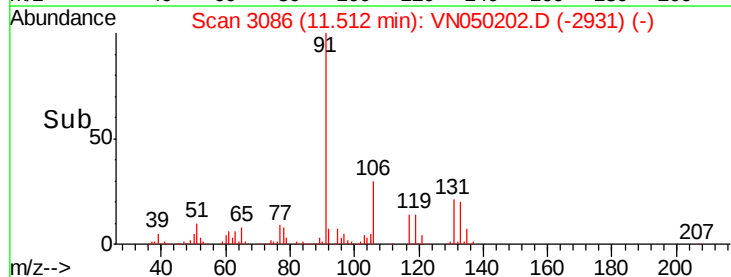
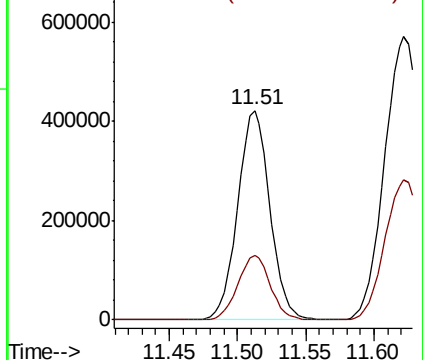
91 100

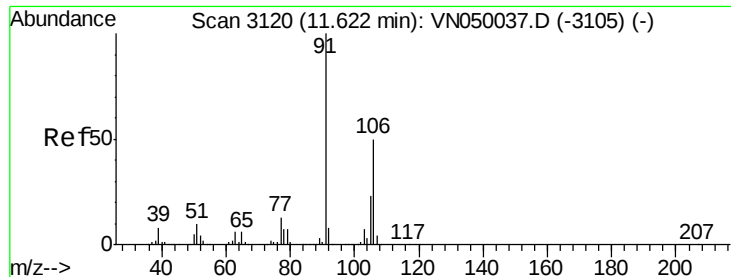
106 31.1 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.64 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

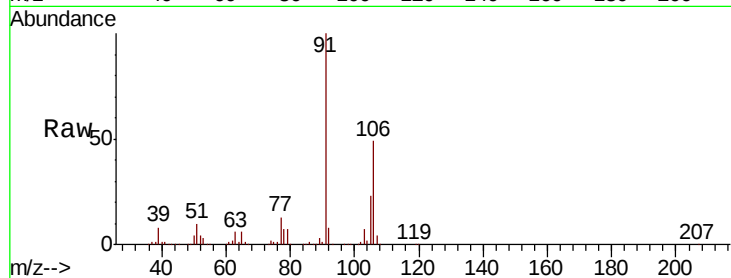
VSTDCCC020

Tot Ion:106 Resp: 540965

Ion Ratio Lower Upper

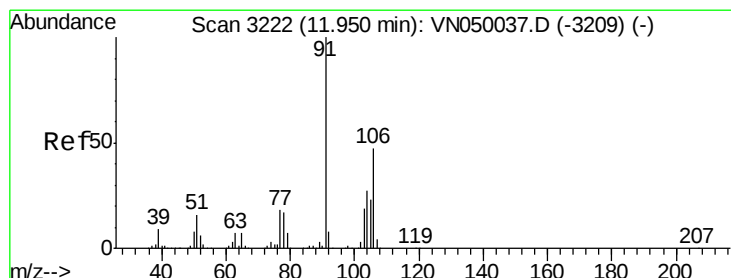
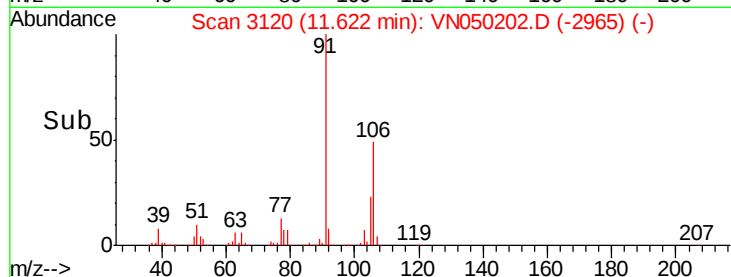
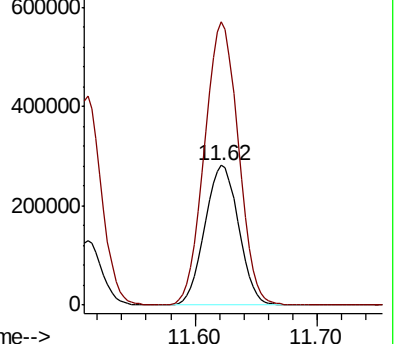
106 100

91 202.9 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.00 ug/l

RT: 11.95 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN050202.D

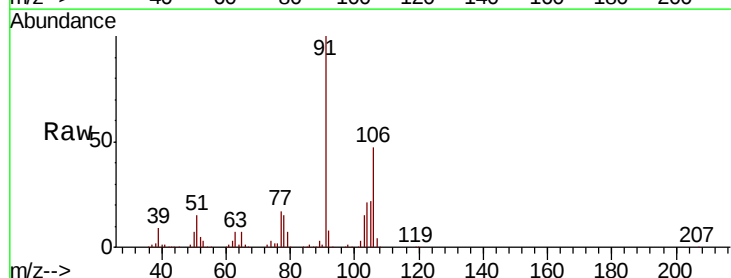
Acq: 31 Jul 2018 8:17

Tgt Ion:106 Resp: 253125

Ion Ratio Lower Upper

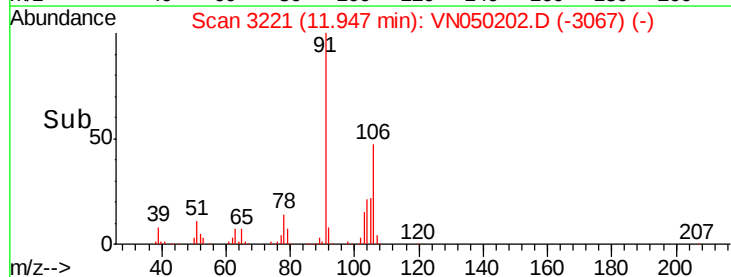
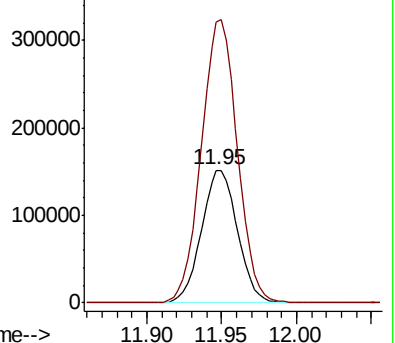
106 100

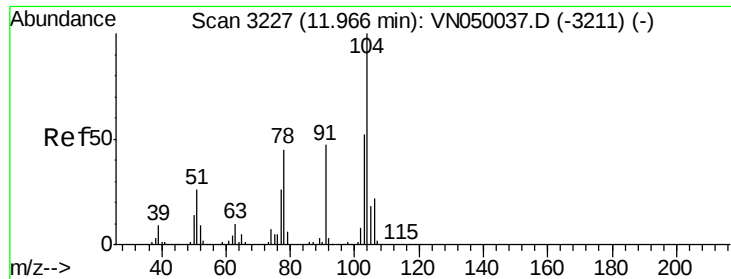
91 213.6 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

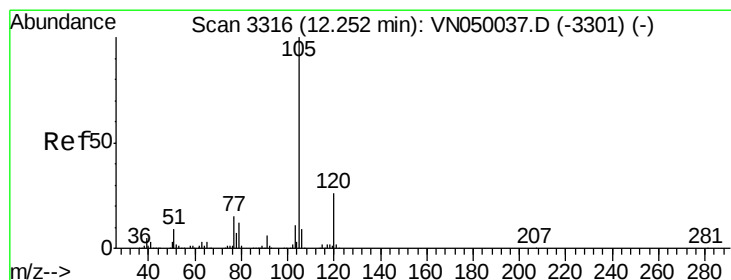
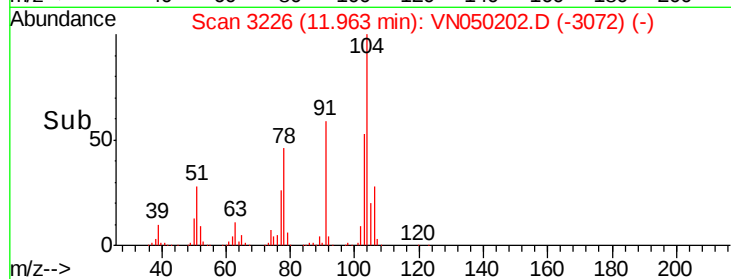
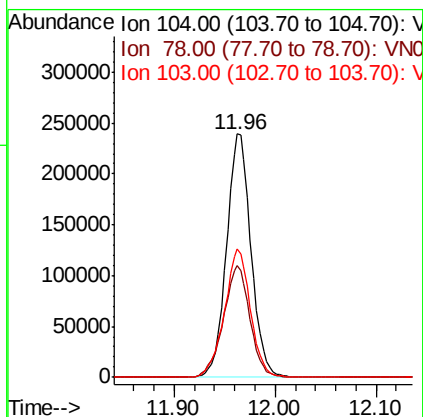
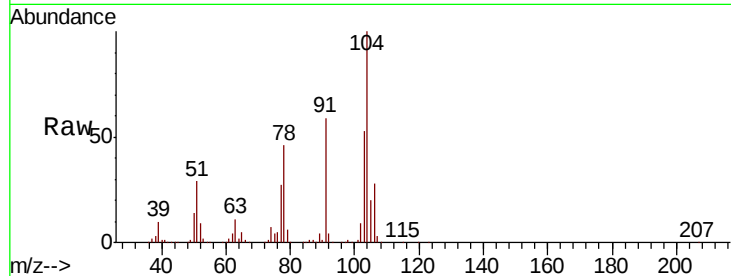




#69
Stvrene
Concen: 18.96 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

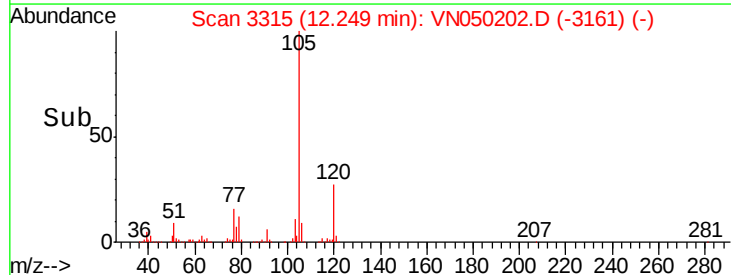
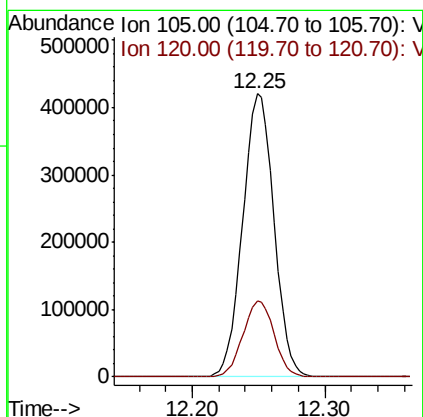
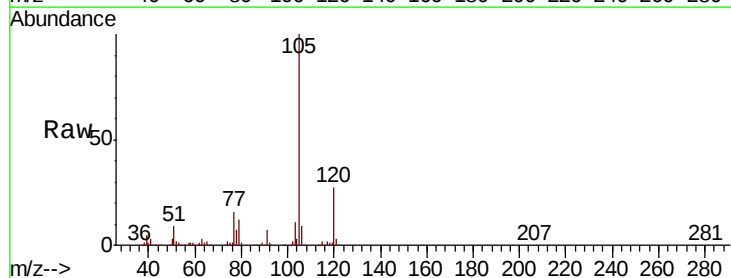
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

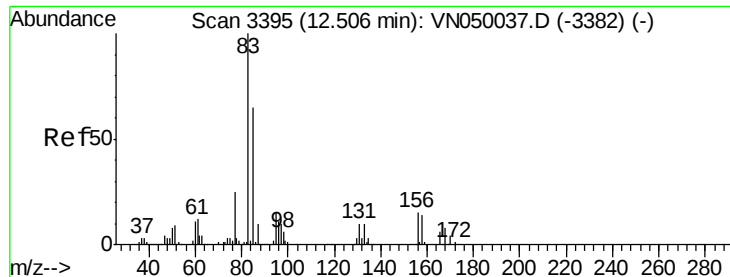
Tot Ion:104 Resp: 404881
Ion Ratio Lower Upper
104 100
78 49.4 39.3 58.9
103 56.0 44.5 66.7



#70
Isopropylbenzene
Concen: 19.37 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion:105 Resp: 687169
Ion Ratio Lower Upper
105 100
120 26.8 18.9 35.1

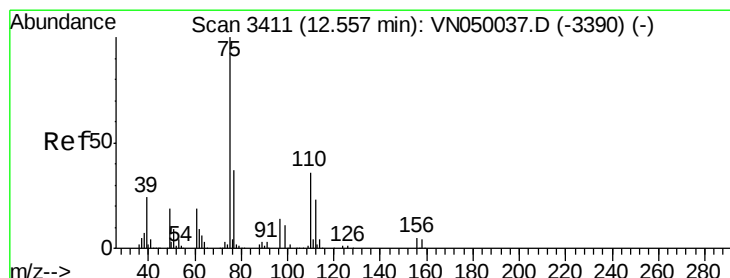
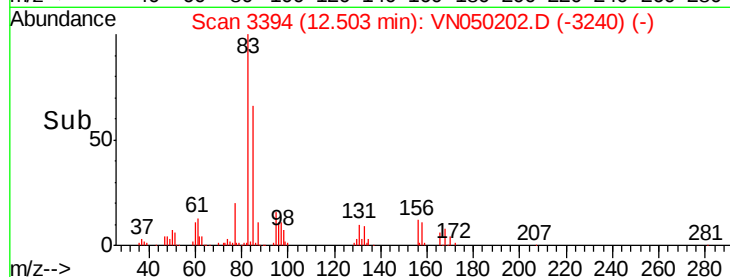
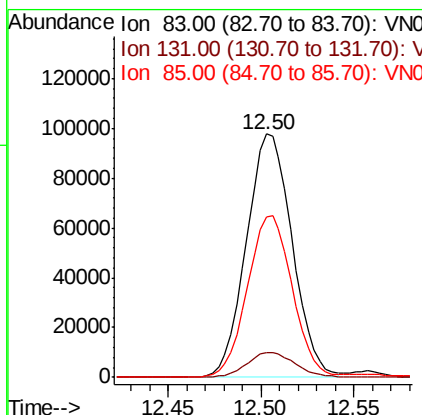
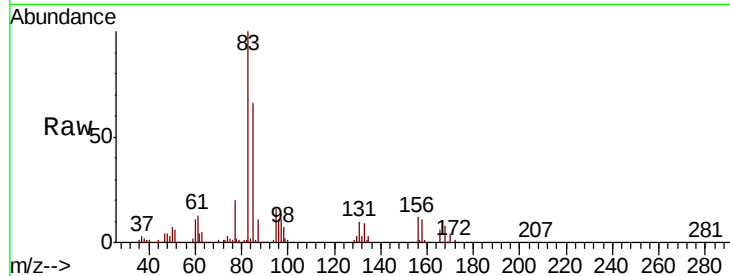




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.21 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

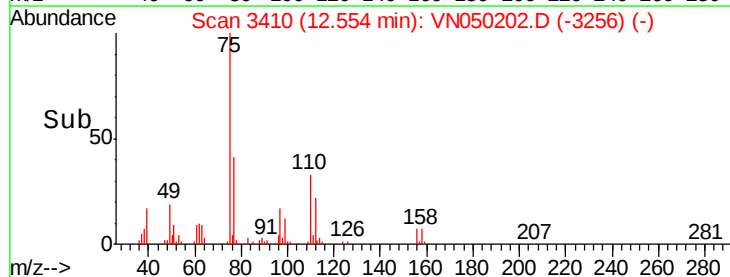
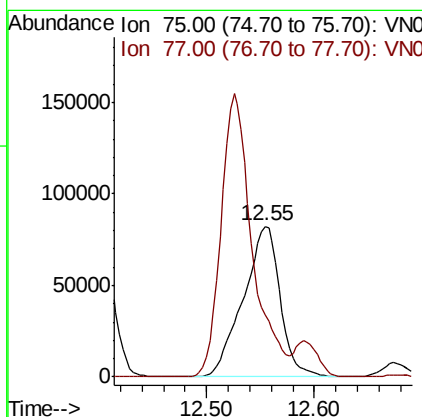
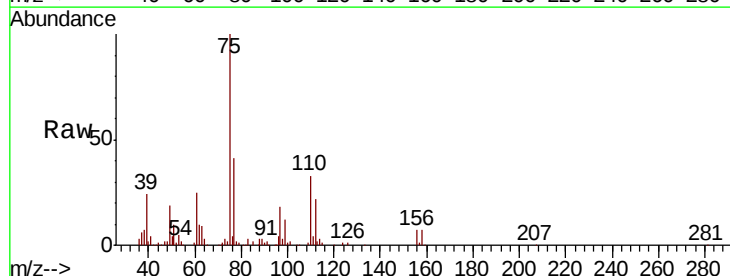
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

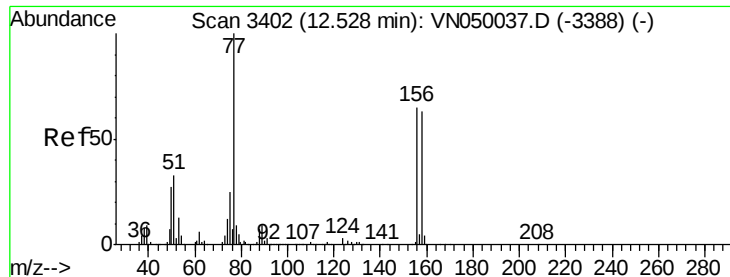
Tot Ion: 83 Resp: 167575
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.2 15.6
 85 65.2 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 23.56 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion: 75 Resp: 195973
 Ion Ratio Lower Upper
 75 100
 77 158.8 0.0 454.4





#73

Bromobenzene

Concen: 18.26 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

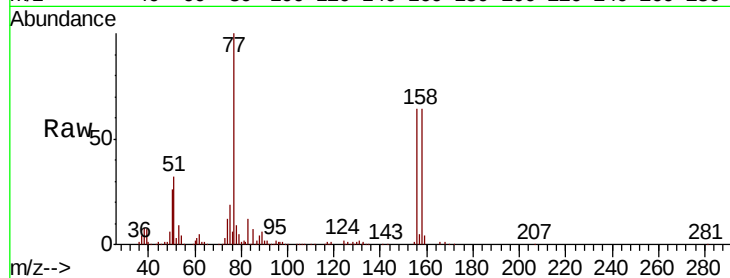
Tot Ion:156 Resp: 172563

Ion Ratio Lower Upper

156 100

77 180.4 0.0 359.8

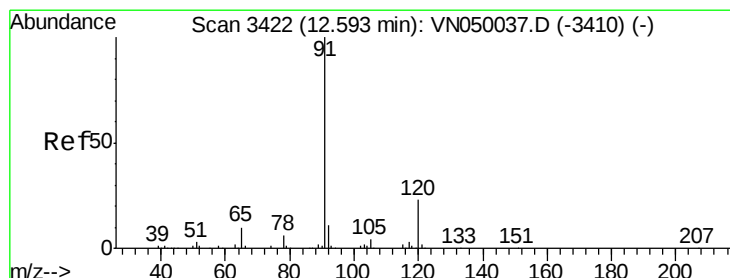
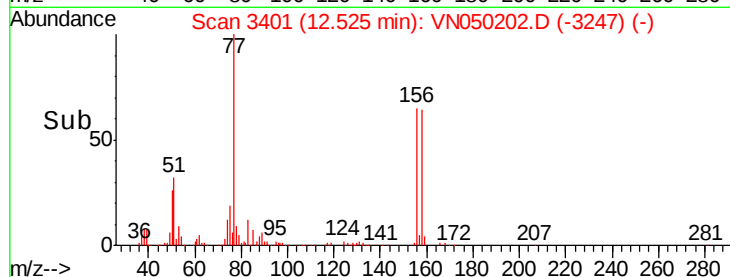
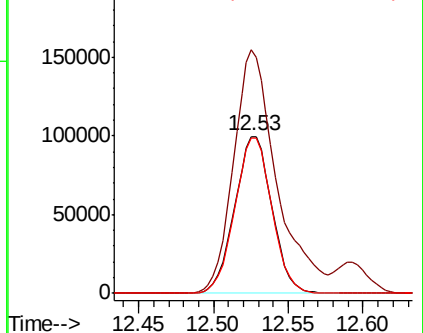
158 98.4 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.06 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050202.D

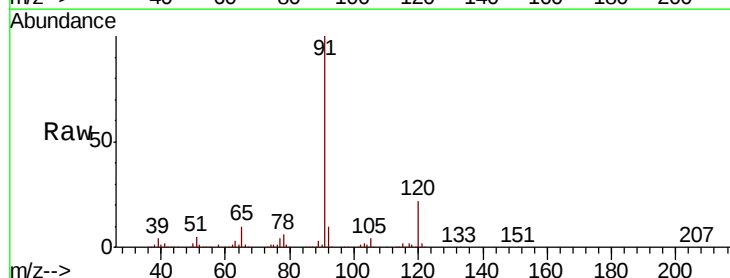
Acq: 31 Jul 2018 8:17

Tgt Ion: 91 Resp: 787431

Ion Ratio Lower Upper

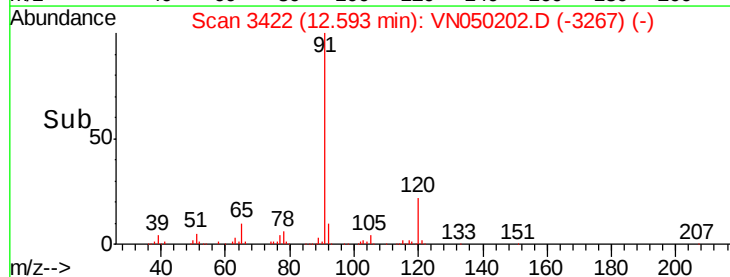
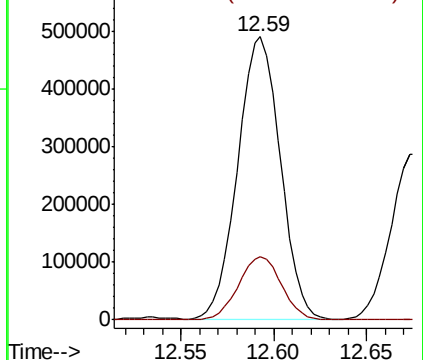
91 100

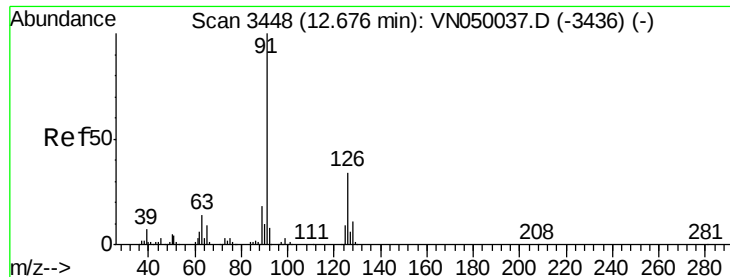
120 22.4 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.08 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampled :

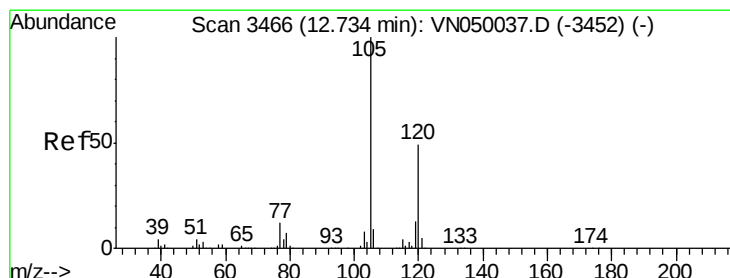
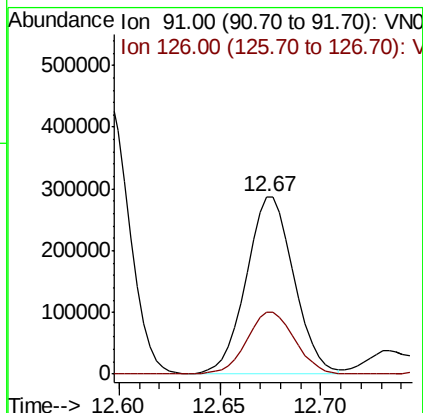
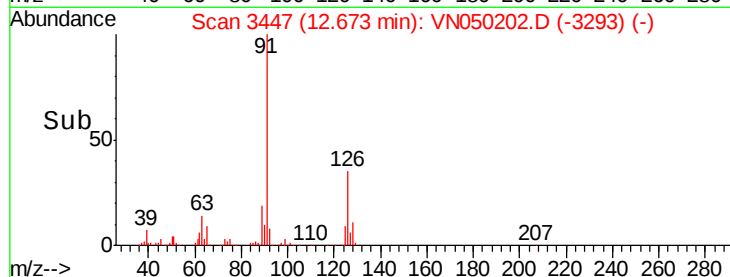
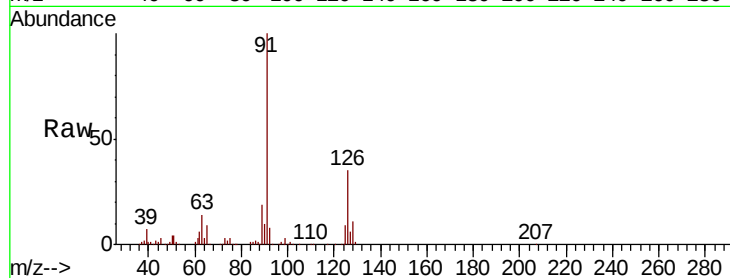
VSTDCCC020

Tot Ion: 91 Resp: 473568

Ion Ratio Lower Upper

91 100

126 35.3 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 19.41 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050202.D

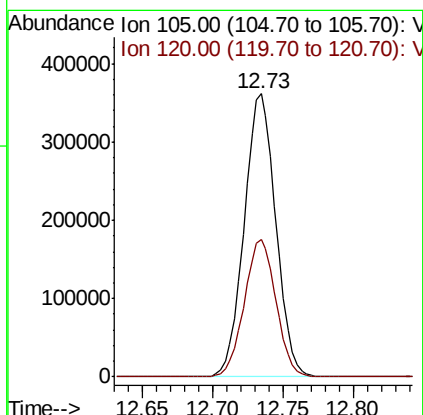
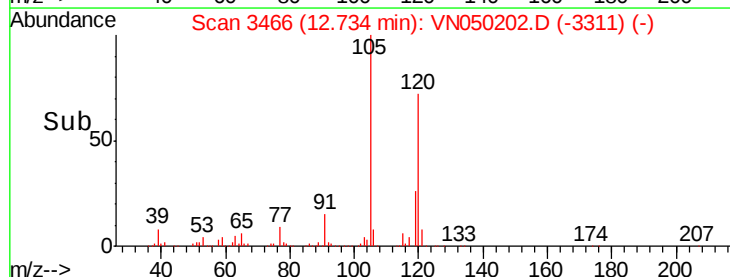
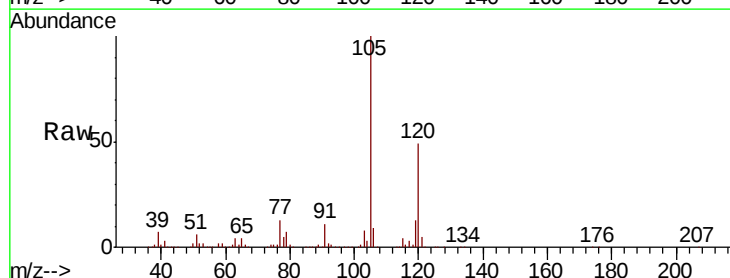
Acq: 31 Jul 2018 8:17

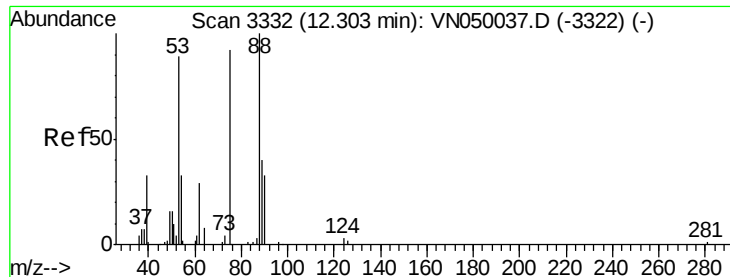
Tgt Ion: 105 Resp: 565650

Ion Ratio Lower Upper

105 100

120 48.8 0.0 98.0

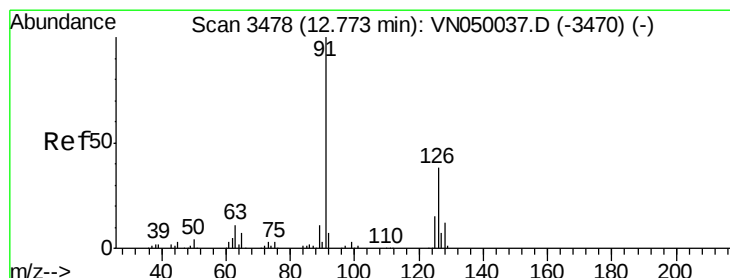
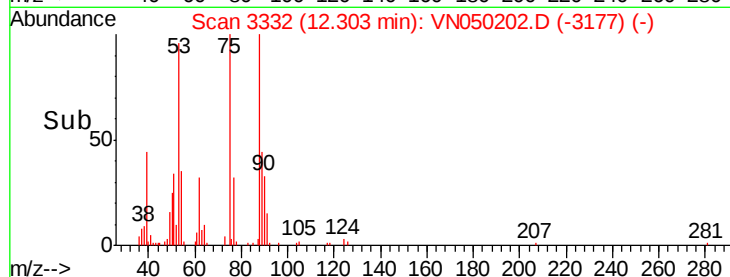
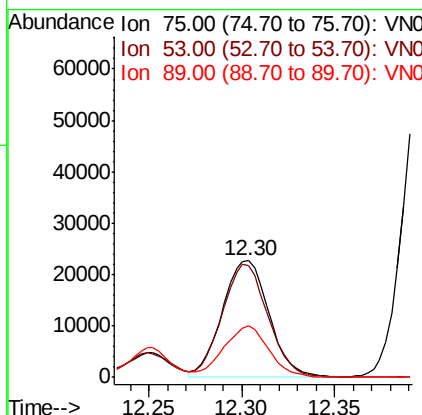
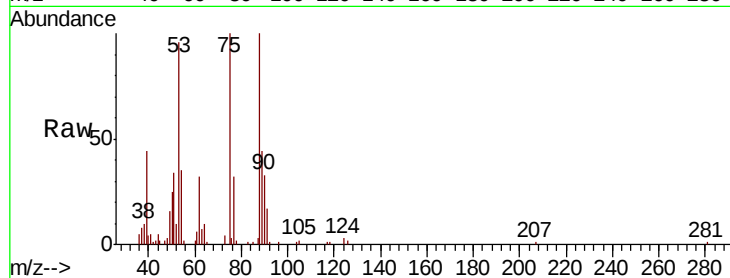




#77
t-1,4-Dichloro-2-butene
Concen: 14.66 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

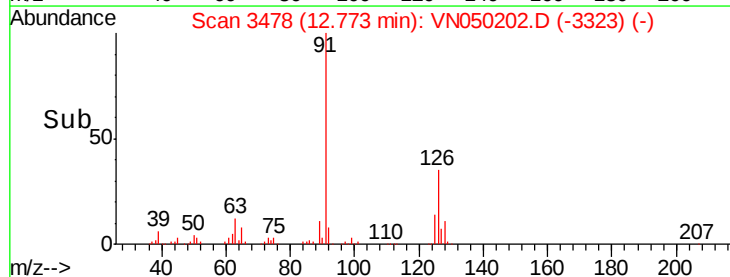
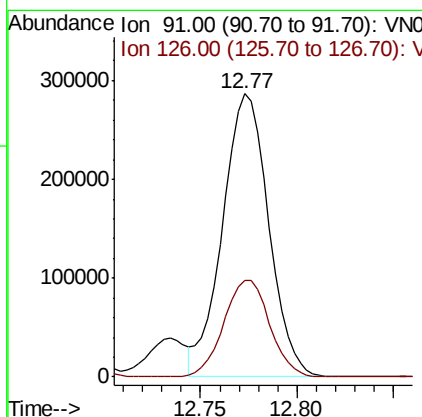
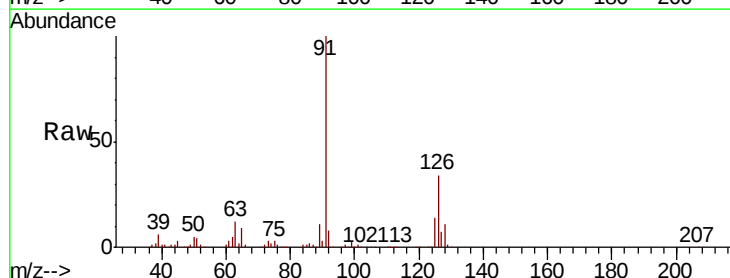
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

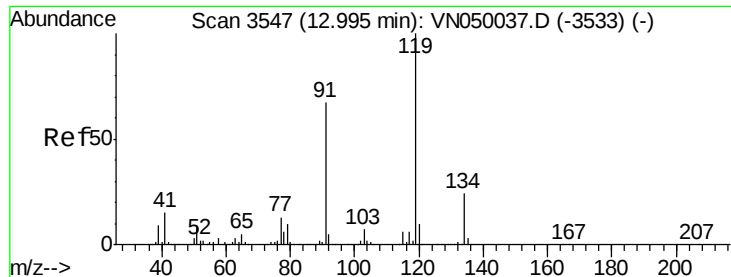
Tot Ion: 75 Resp: 39858
Ion Ratio Lower Upper
75 100
53 95.7 44.6 134.0
89 44.4 20.7 62.1



#78
4-Chlorotoluene
Concen: 19.27 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050202.D
Acq: 31 Jul 2018 8:17

Tgt Ion: 91 Resp: 473988
Ion Ratio Lower Upper
91 100
126 34.2 0.0 68.4





#79

tert-butylbenzene

Concen: 19.04 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

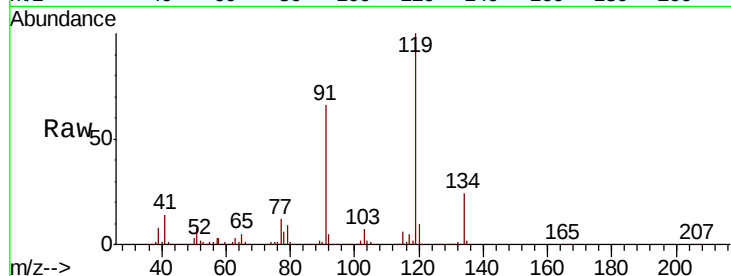
Tot Ion:119 Resp: 474402

Ion Ratio Lower Upper

119 100

91 66.4 0.0 126.8

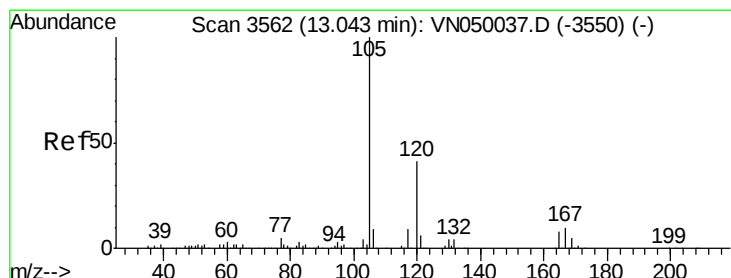
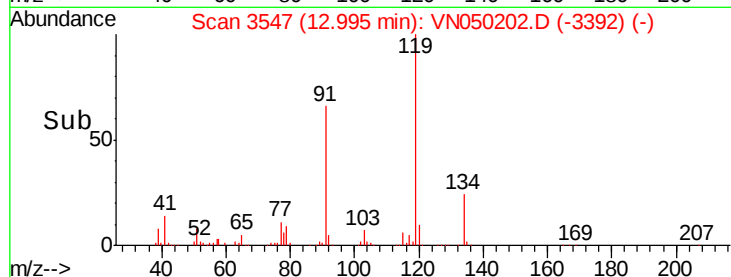
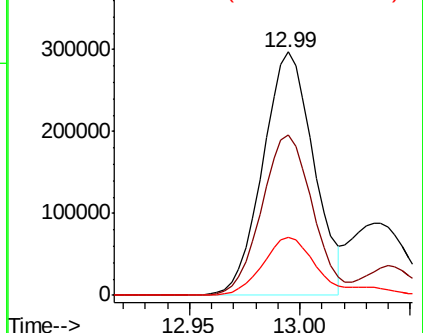
134 25.1 0.0 47.4



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: 19.22 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050202.D

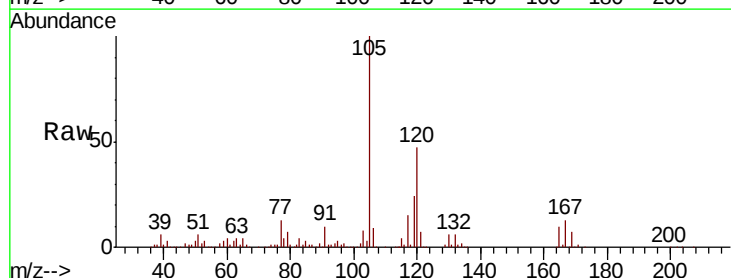
Acq: 31 Jul 2018 8:17

Tgt Ion:105 Resp: 567401

Ion Ratio Lower Upper

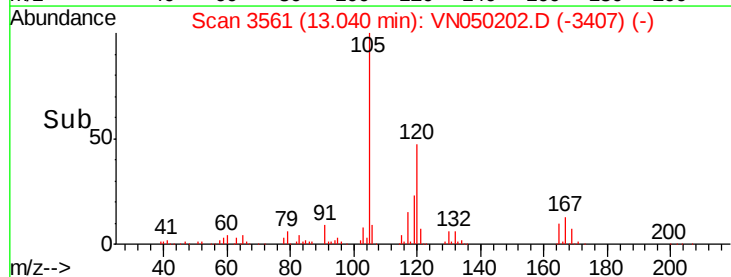
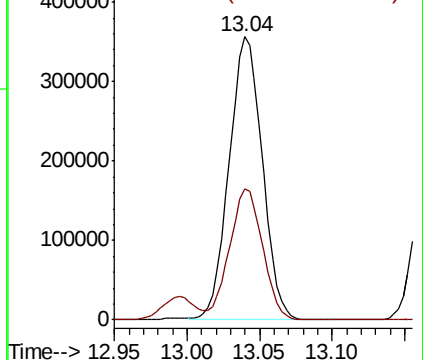
105 100

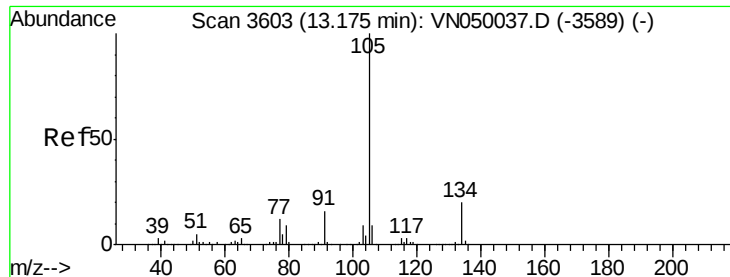
120 46.4 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

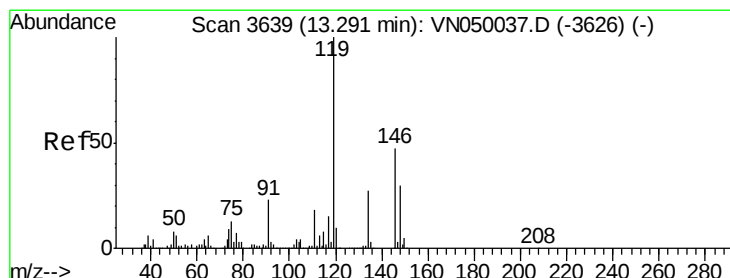
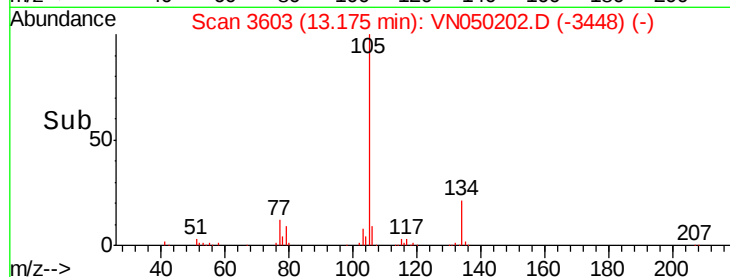
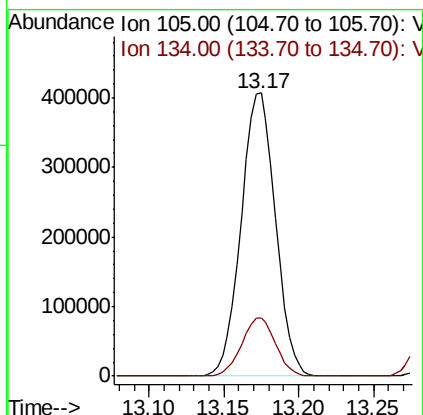
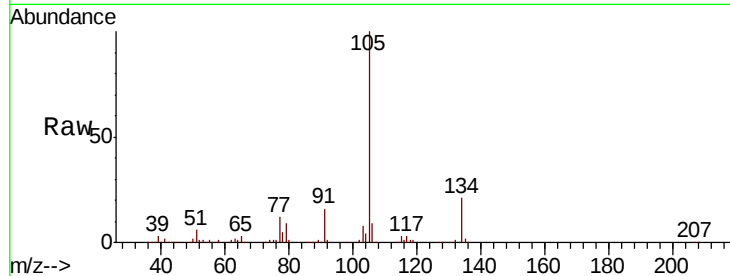




#81
 sec-Butylbenzene
 Concen: 19.24 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

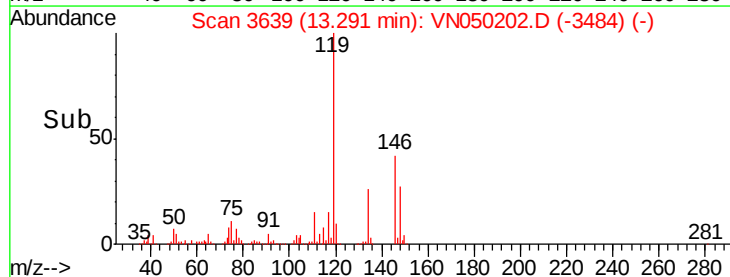
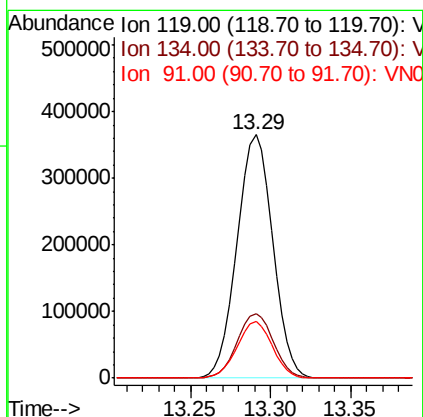
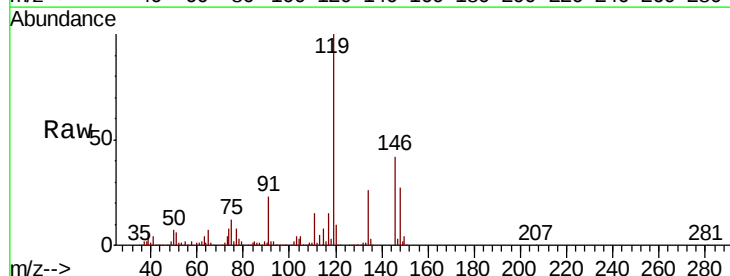
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:105 Resp: 650969
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.25 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion:119 Resp: 555697
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.2
 91 22.8 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.46 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

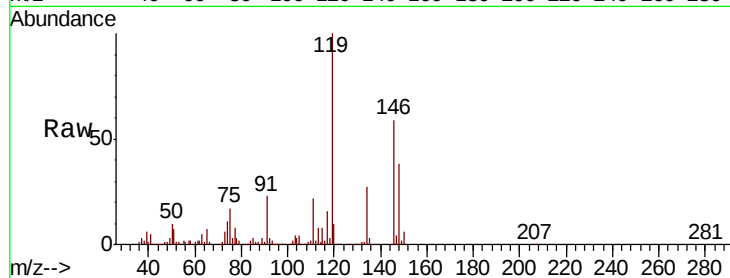
Tot Ion:146 Resp: 303765

Ion Ratio Lower Upper

146 100

111 37.8 19.1 57.1

148 63.5 31.9 95.9

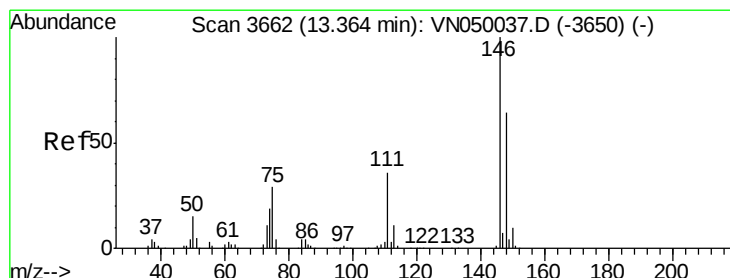
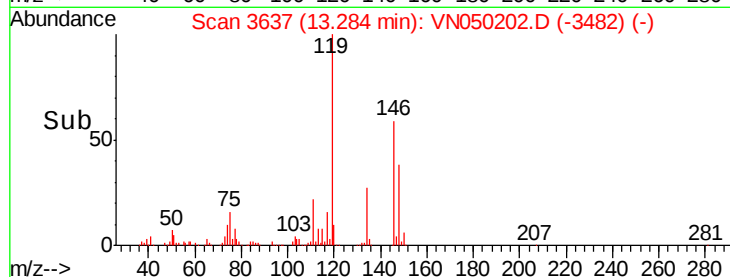
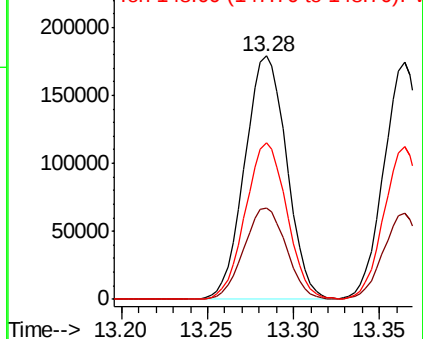


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.14 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

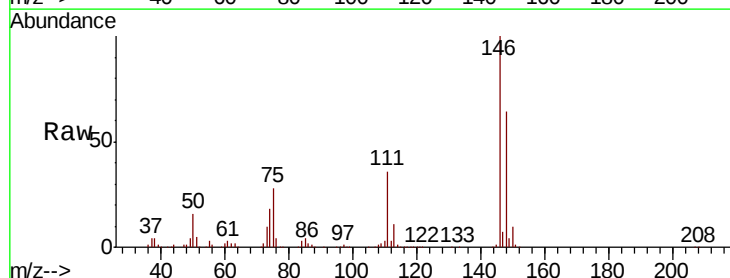
Tgt Ion:146 Resp: 282122

Ion Ratio Lower Upper

146 100

111 35.6 17.9 53.8

148 63.9 32.4 97.0

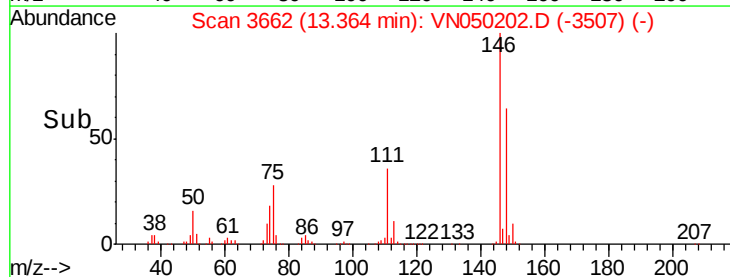
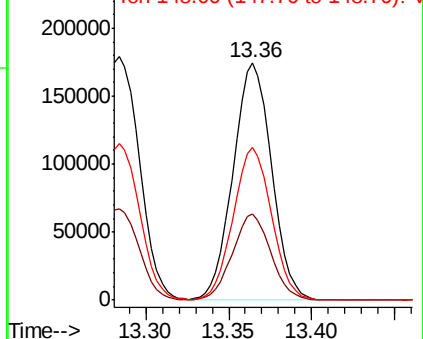


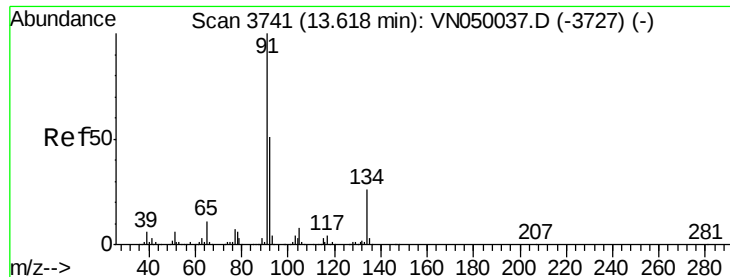
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.00 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

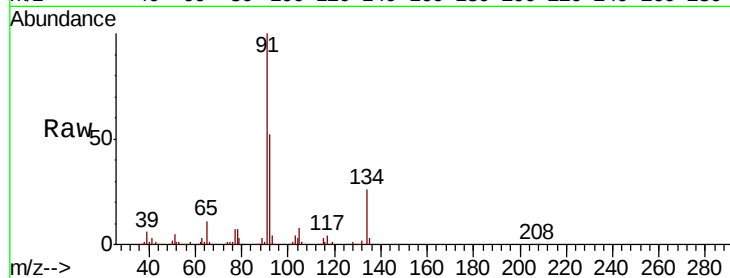
Tot Ion: 91 Resp: 421789

Ion Ratio Lower Upper

91 100

92 50.8 0.0 102.8

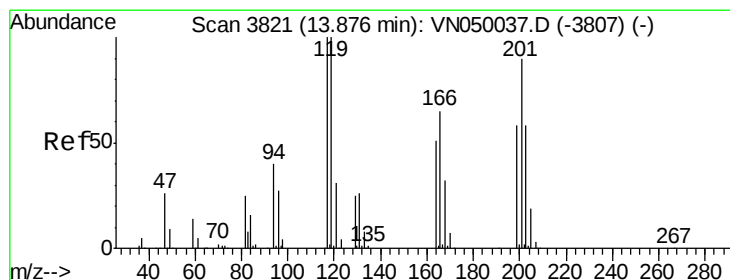
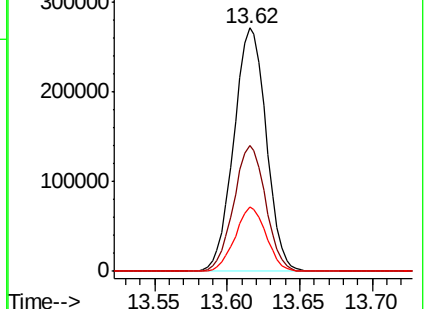
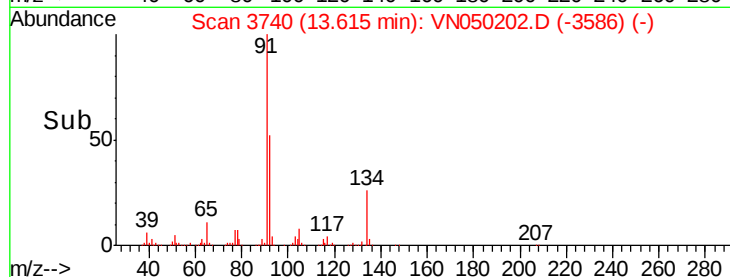
134 25.3 0.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86

Hexachloroethane

Concen: 18.03 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050202.D

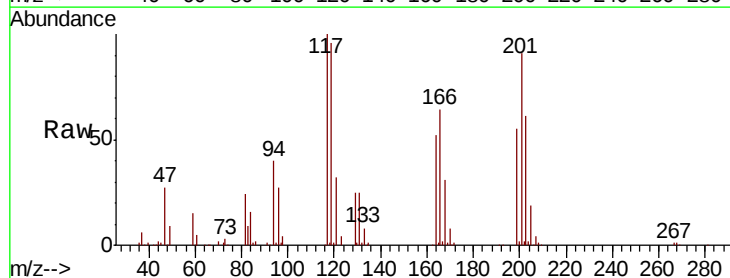
Acq: 31 Jul 2018 8:17

Tgt Ion: 117 Resp: 104039

Ion Ratio Lower Upper

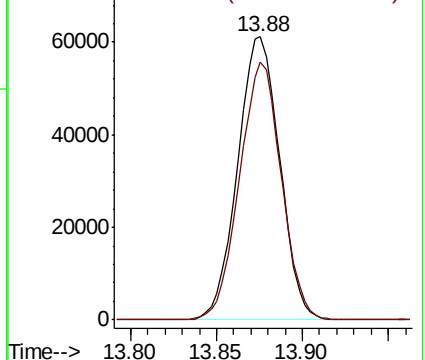
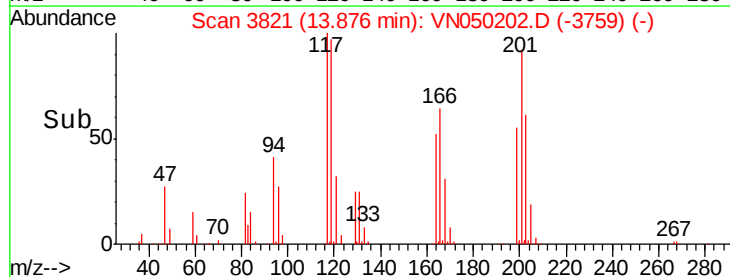
117 100

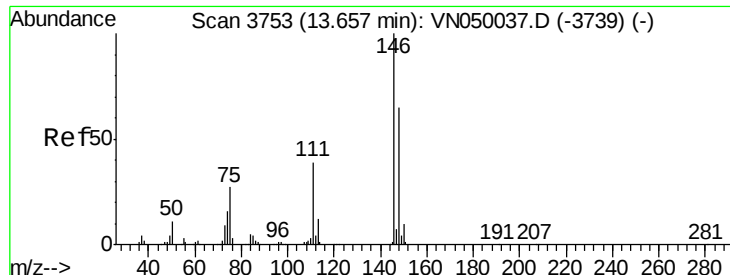
201 90.2 46.6 139.7



Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

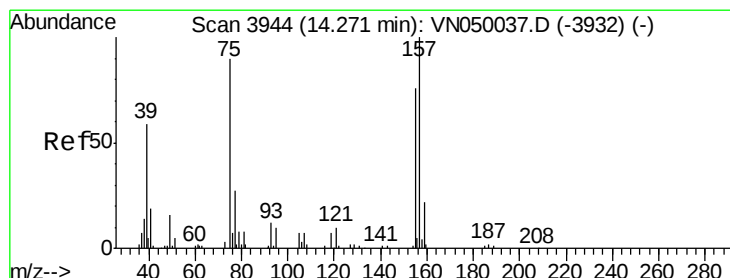
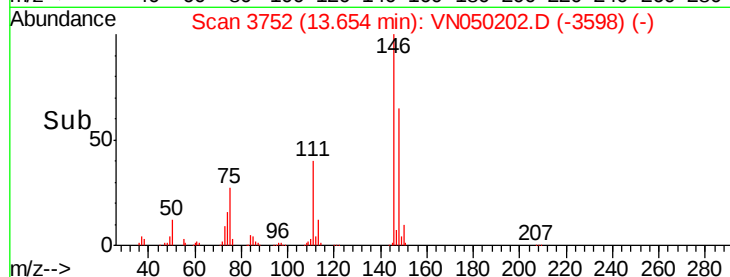
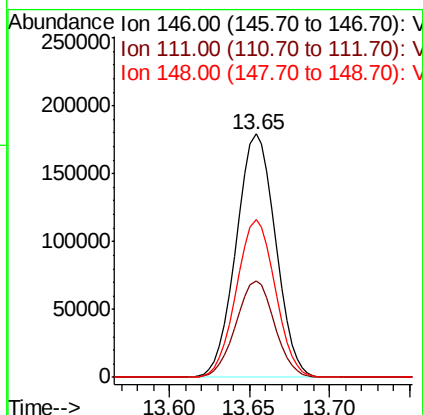
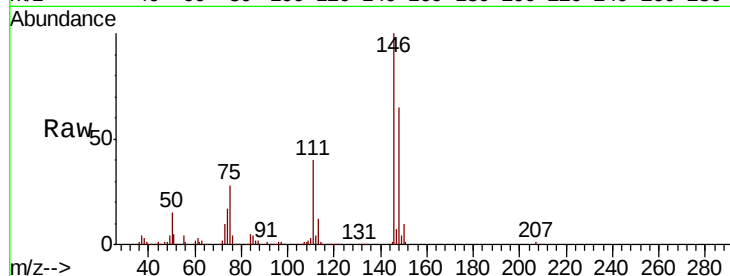




#87
 1,2-Dichlorobenzene
 Concen: 18.69 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

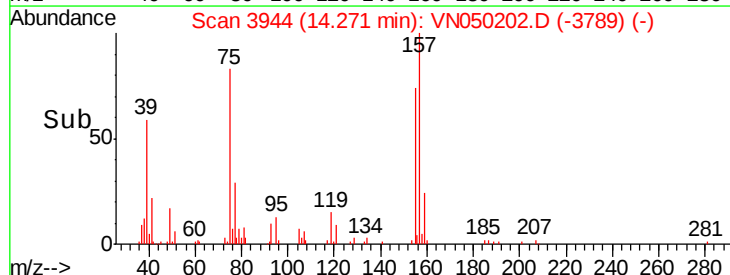
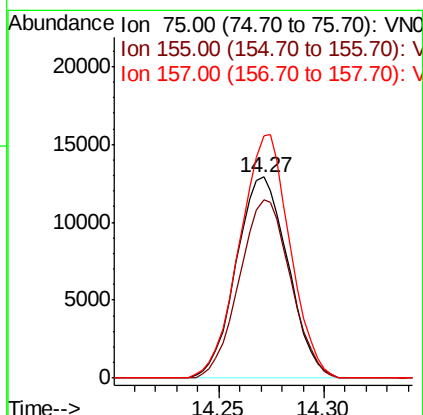
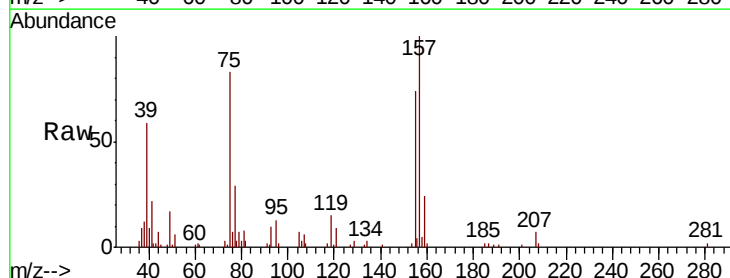
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

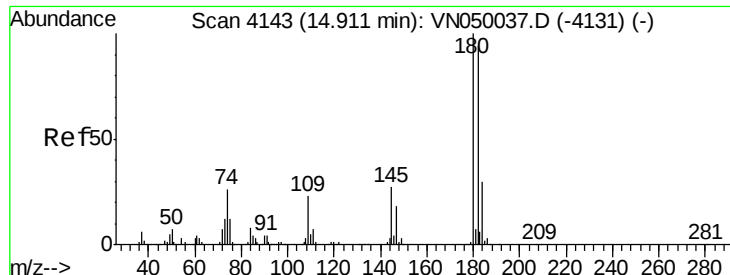
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.3
148	64.0	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 14.49 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	73.0	109.6
157	117.9	94.9	142.3

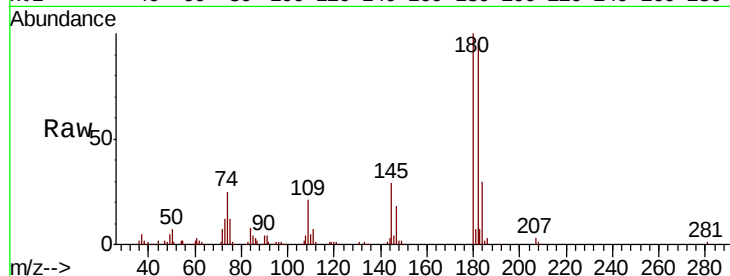




#89
 1,2,4-Trichlorobenzene
 Concen: 15.57 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	180	Resp	119584
Ion Ratio	100		
Lower	76.7		
Upper	115.1		
182	95.0		
145	28.8		
	23.4		
	35.0		

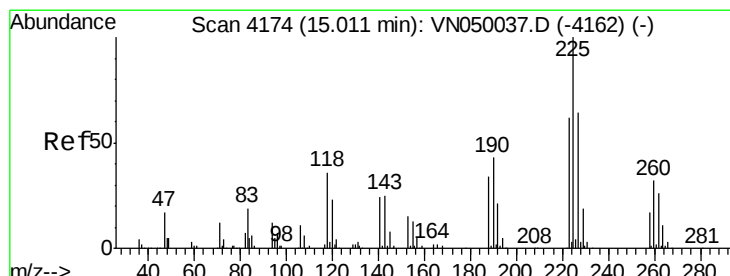
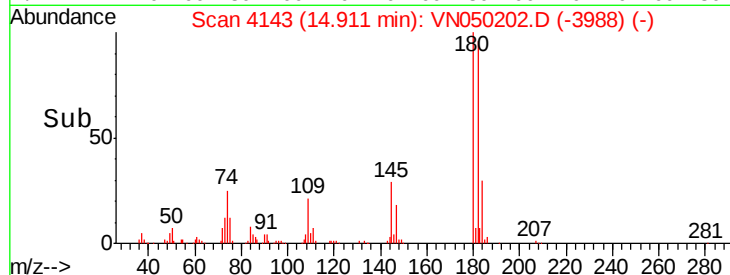
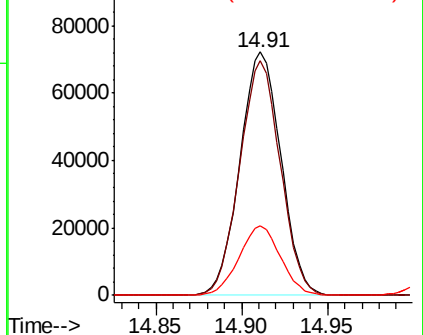


Abundance

Ion 180.00 (179.70 to 180.70): V

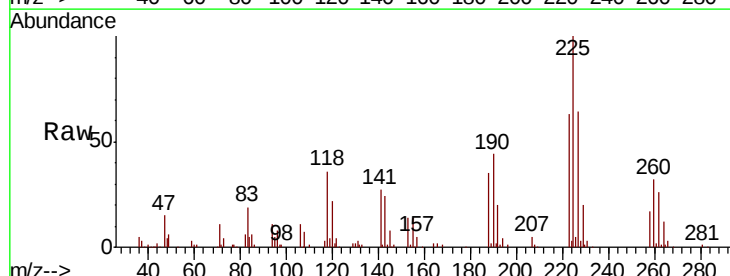
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
 Hexachlorobutadiene
 Concen: 19.12 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050202.D
 Acq: 31 Jul 2018 8:17

Tgt Ion	225	Resp	96851
Ion Ratio	100		
Lower	0.0		
Upper	124.4		
223	62.8		
227	65.1		
	0.0		
	133.0		

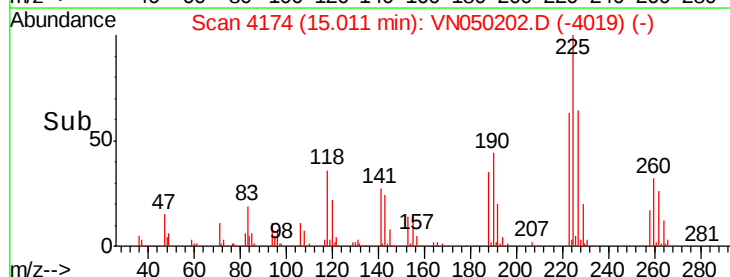
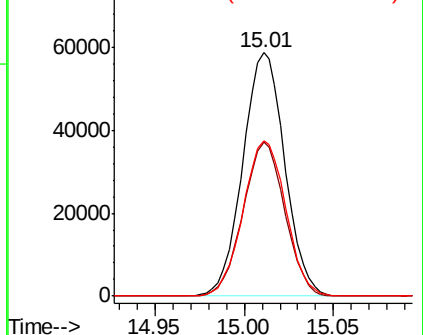


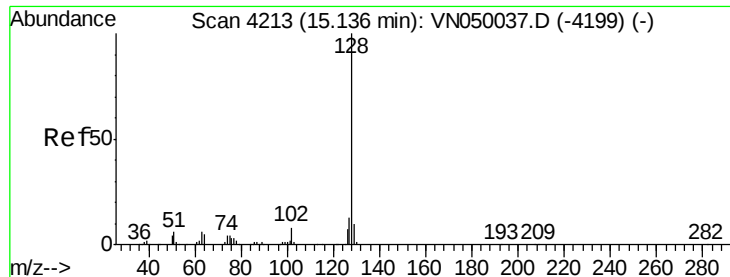
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 16.52 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

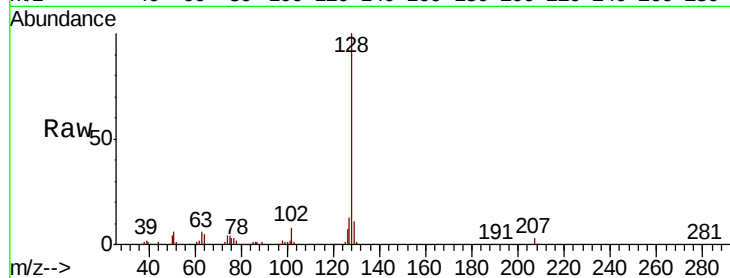
Tot Ion:128 Resp: 213761

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

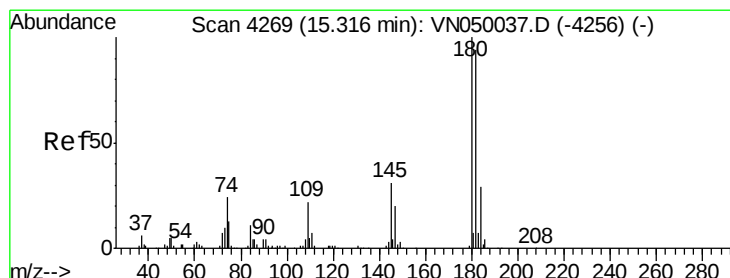
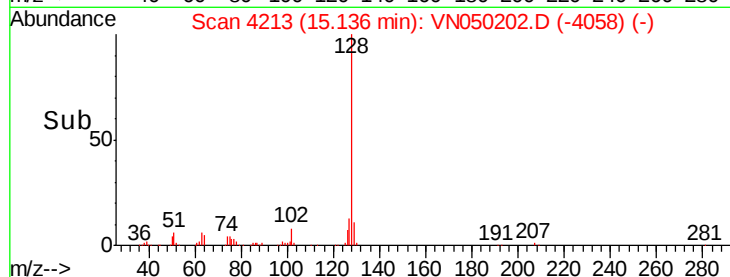
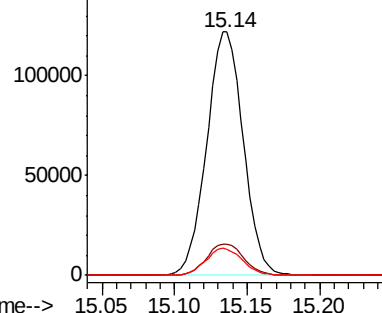
129 11.2 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 15.85 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050202.D

Acq: 31 Jul 2018 8:17

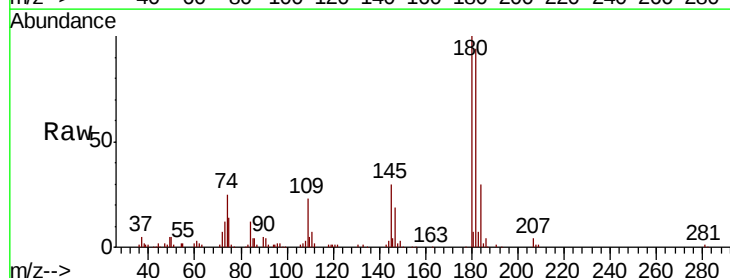
Tgt Ion:180 Resp: 123829

Ion Ratio Lower Upper

180 100

182 96.8 0.0 188.8

145 29.9 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

