

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050047.D
 Acq On : 25 Jul 2018 15:56
 Operator : MD\SY
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 26 06:08:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	124978	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	649457	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	568215	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260065	30.61	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.03%
60) 4-Bromofluorobenzene	12.40	95	253662	29.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.87%
63) Toluene-d8	10.09	98	815237	30.04	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.13%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	175842	20.42	ug/l	99
3) Chloromethane	2.06	50	170800	19.23	ug/l	100
4) Vinyl Chloride	2.18	62	182441	19.30	ug/l	99
5) Bromomethane	2.56	94	117103	20.32	ug/l	99
6) Chloroethane	2.70	64	105562	18.88	ug/l	99
7) Trichlorofluoromethane	3.01	101	238682	19.32	ug/l	99
8) Diethyl Ether	3.41	74	82648	19.94	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150042	19.97	ug/l	98
10) 1,1-Dichloroethene	3.73	96	126843	19.04	ug/l	93
11) Methyl Iodide	3.95	142	166075	16.94	ug/l	99
12) Methyl Acetate	4.33	43	162846	21.33	ug/l	97
13) Acrolein	3.61	56	34874	73.93	ug/l	100
14) Acrylonitrile	4.99	53	256822	100.83	ug/l	99
15) Acetone	3.82	58	71541	105.69	ug/l	96
16) Carbon Disulfide	4.05	76	375670	18.42	ug/l	100
17) Allyl chloride	4.32	41	202896	19.28	ug/l	99
18) Methylene Chloride	4.55	84	149671	19.47	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	137499	19.27	ug/l	95
20) Diisopropyl ether	5.96	45	435577	20.19	ug/l	99
21) 1,1-Dichloroethane	5.85	63	263140	19.39	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	154831	19.57	ug/l	100
23) tert-Butyl Alcohol	4.80	59	60312	105.88	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	371770	20.46	ug/l	100
25) Chloroform	7.37	83	270484	19.69	ug/l	99
26) Cyclohexane	7.65	56	206078	19.11	ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	195174	19.36	ug/l	99
30) 2-Butanone	6.84	43	316592	100.10	ug/l	98
31) 2,2-Dichloropropane	6.82	77	214756	19.28	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	225845	19.04	ug/l	99
33) Carbon Tetrachloride	7.77	117	201445	19.05	ug/l	98
34) Benzene	8.04	78	589769	19.27	ug/l	99
35) Methacrylonitrile	7.18	41	69048	19.17	ug/l	96
36) 1,2-Dichloroethane	8.13	62	197507	19.65	ug/l	100
37) Trichloroethene	8.84	130	156126	19.45	ug/l	95
38) Methylcyclohexane	9.08	83	198931	18.72	ug/l	99
39) 1,2-Dichloropropane	9.12	63	158157	19.61	ug/l	99
40) Dibromomethane	9.21	93	98541	19.77	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202846	19.30	ug/l	97
42) Vinyl Acetate	5.90	43	1467915	98.63	ug/l	99
43) Ethyl Acetate	6.93	43	128816	19.50	ug/l	94
44) Isopropyl Acetate	8.17	43	255699	20.90	ug/l	95
45) 1,4-Dioxane	9.20	88	32137	399.18	ug/l	95
46) Methyl methacrylate	9.20	41	118284	19.94	ug/l	98
47) n-amyl Acetate	12.07	43	171962	18.06	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	195602	18.77	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	228624	19.42	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	140830	19.69	ug/l	98
51) Ethyl methacrylate	10.43	69	162891	18.76	ug/l	98
52) 1,3-Dichloropropane	10.71	76	230943	19.66	ug/l	97
53) Dibromochloromethane	10.90	129	155318	19.13	ug/l	99
54) 1,2-Dibromoethane	11.01	107	136556	19.49	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	397675	101.20	ug/l	99
56) Bromoform	12.13	173	108388	18.91	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	689939	104.35	ug/l	99
59) 2-Hexanone	10.75	43	453145	100.46	ug/l	99
61) Tetrachloroethene	10.63	164	149399	19.41	ug/l	97
62) Toluene	10.16	91	626484	19.32	ug/l	99
64) Chlorobenzene	11.44	112	379324	19.30	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	149193	19.46	ug/l	99
66) Ethyl Benzene	11.51	91	627419	18.94	ug/l	99
67) m/p-Xylenes	11.62	106	490398	38.46	ug/l	100
68) o-Xylene	11.95	106	229196	18.89	ug/l	98
69) Styrene	11.97	104	366983	18.87	ug/l	99
70) Isopropylbenzene	12.25	105	622258	19.26	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	175969	19.84	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	209640	28.66	ug/l	49
73) Bromobenzene	12.53	156	164456	19.11	ug/l	99
74) n-propylbenzene	12.59	91	708017	18.82	ug/l	100
75) 2-Chlorotoluene	12.68	91	436604	19.32	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	506591	19.09	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	45152	18.23	ug/l	93
78) 4-Chlorotoluene	12.78	91	423575	18.91	ug/l	99
79) tert-butylbenzene	12.99	119	431613	19.03	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	518943	19.30	ug/l	99
81) sec-Butylbenzene	13.17	105	588243	19.09	ug/l	100
82) p-Isopropyltoluene	13.29	119	500922	19.05	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	280485	18.72	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	270719	19.12	ug/l	99
85) n-Butylbenzene	13.62	91	387623	18.16	ug/l	99
86) Hexachloroethane	13.88	117	96352	18.34	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	282549	19.29	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28181	20.39	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	127693	18.25	ug/l	99
90) Hexachlorobutadiene	15.01	225	89341	19.37	ug/l	98
91) Naphthalene	15.14	128	272169	20.05	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	133280	18.73	ug/l	100

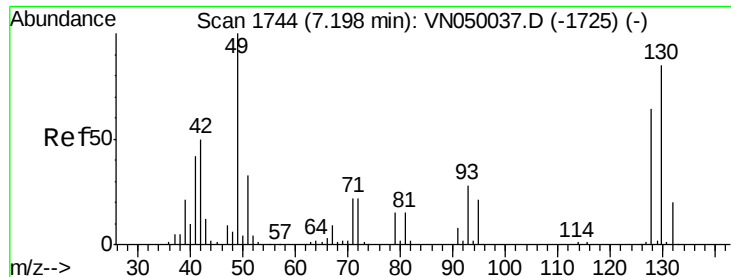
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

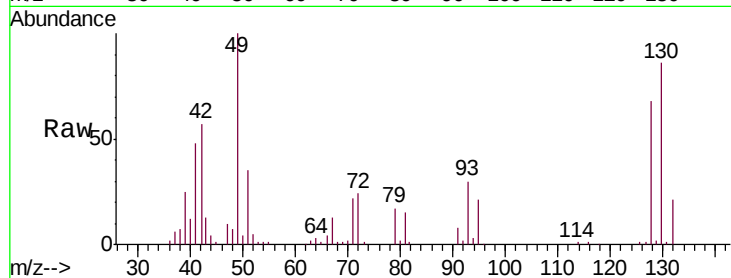
Tot Ion:128 Resp: 124978

Ion Ratio Lower Upper

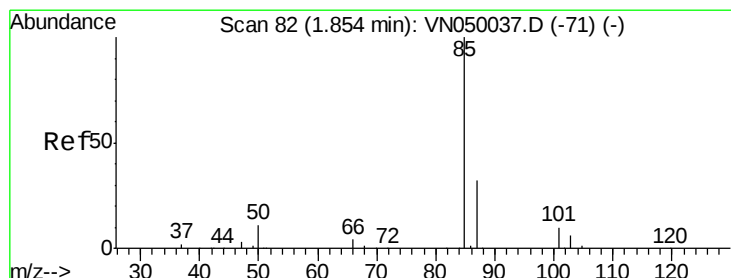
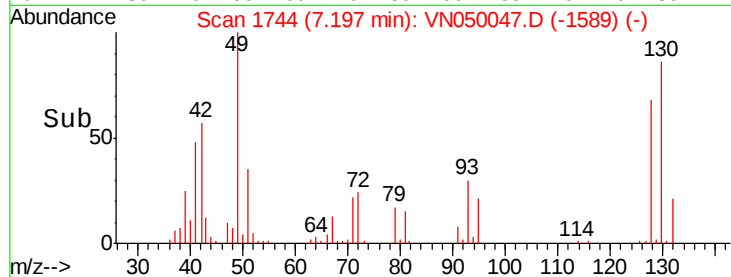
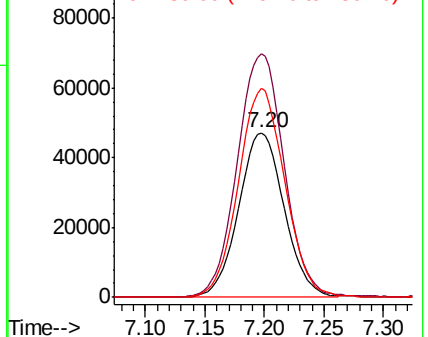
128 100

49 153.0 0.0 378.3

130 129.7 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: 20.42 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050047.D

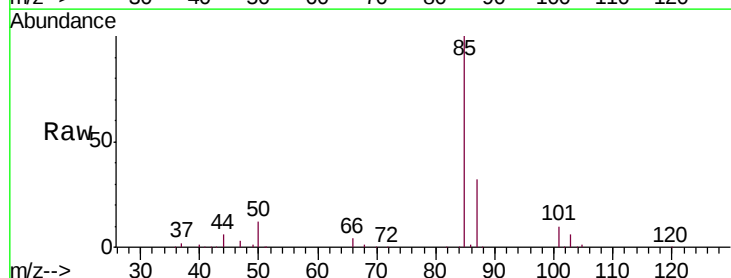
Acq: 25 Jul 2018 15:56

Tgt Ion: 85 Resp: 175842

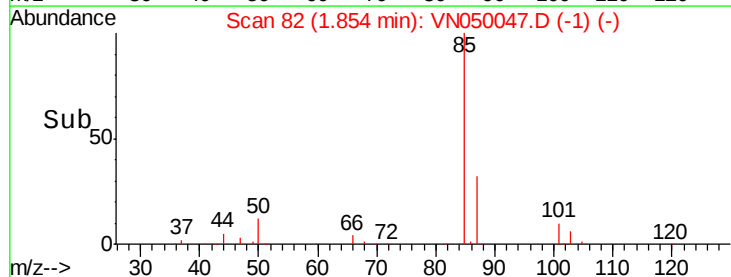
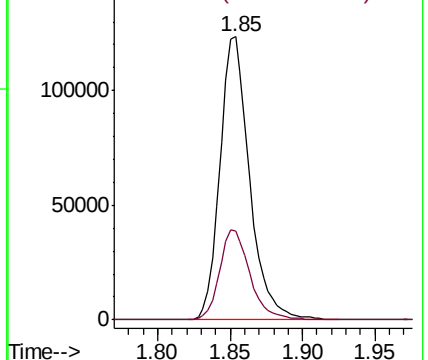
Ion Ratio Lower Upper

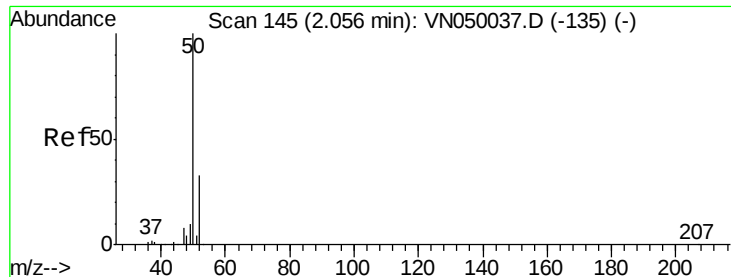
85 100

87 31.6 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: 19.23 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

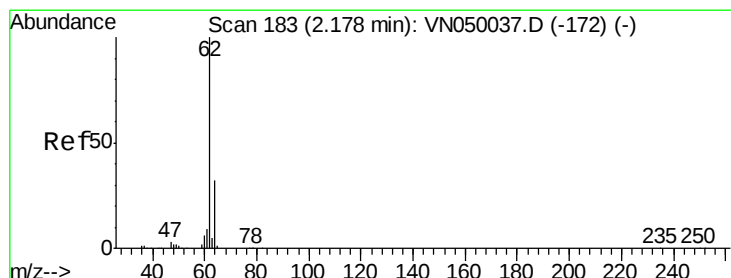
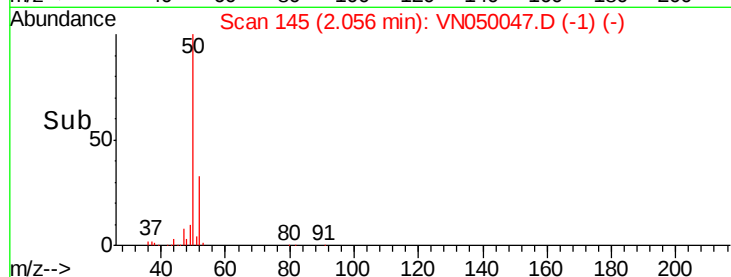
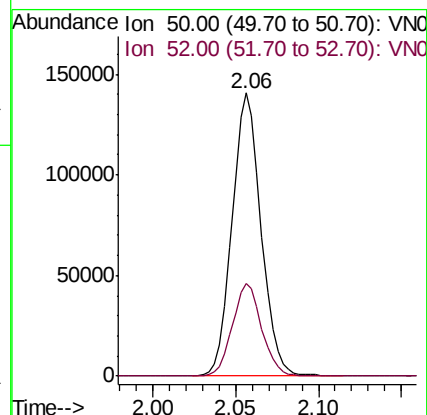
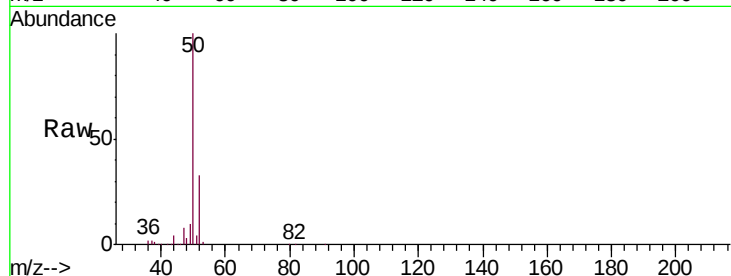
VSTDCCC020EC

Tot Ion: 50 Resp: 170800

Ion Ratio Lower Upper

50 100

52 32.8 26.1 39.1



#4

Vinyl Chloride

Concen: 19.30 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050047.D

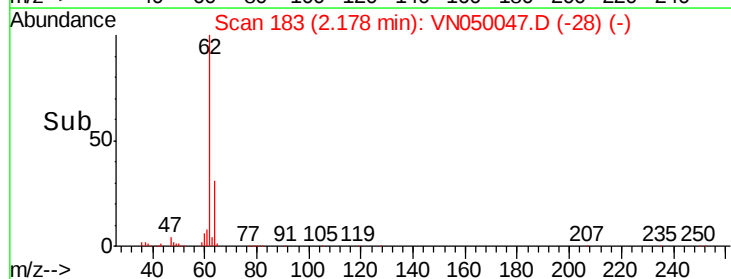
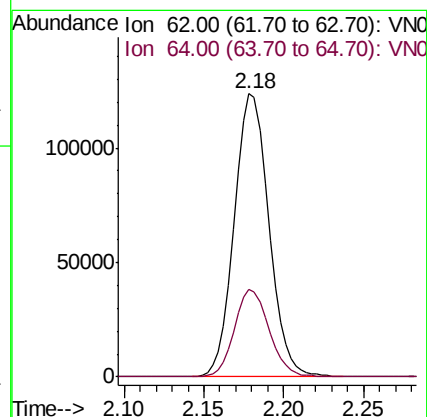
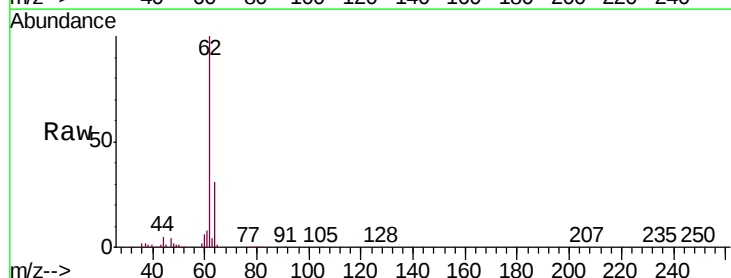
Acq: 25 Jul 2018 15:56

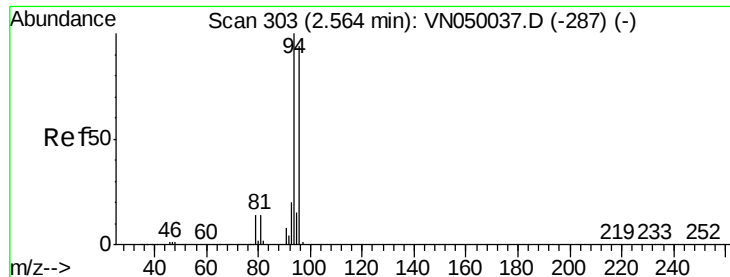
Tgt Ion: 62 Resp: 182441

Ion Ratio Lower Upper

62 100

64 30.9 24.4 36.6





#5

Bromomethane

Concen: 20.32 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

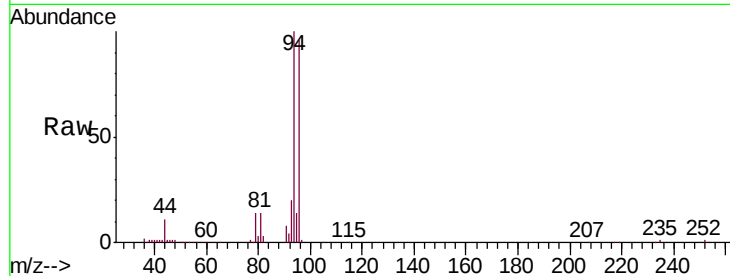
VSTDCCC020EC

Tot Ion: 94 Resp: 117103

Ion Ratio Lower Upper

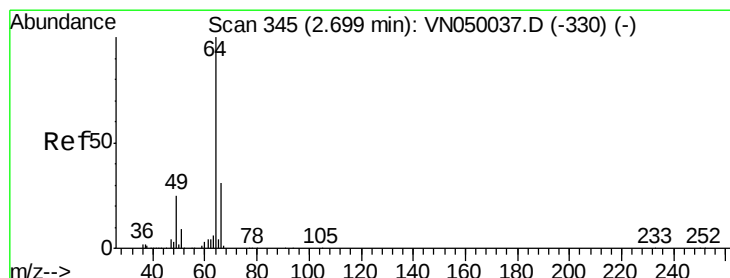
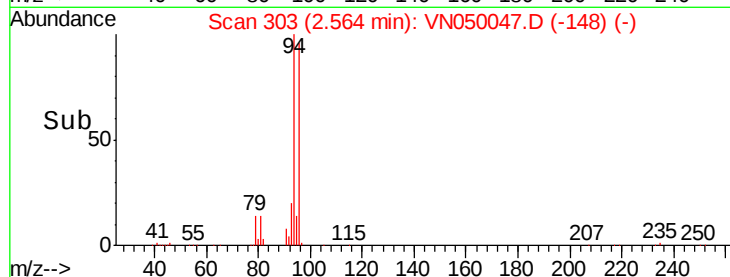
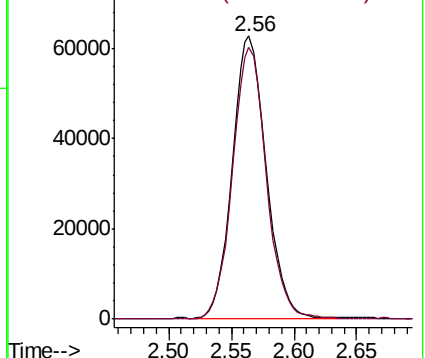
94 100

96 96.1 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: 18.88 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050047.D

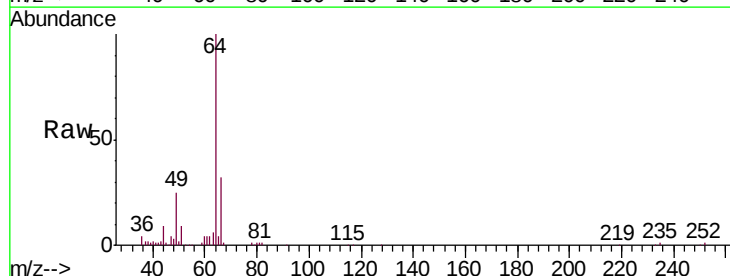
Acq: 25 Jul 2018 15:56

Tgt Ion: 64 Resp: 105562

Ion Ratio Lower Upper

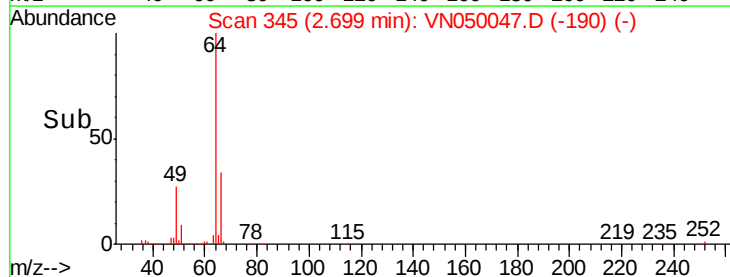
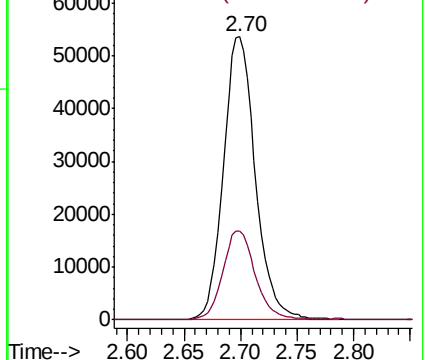
64 100

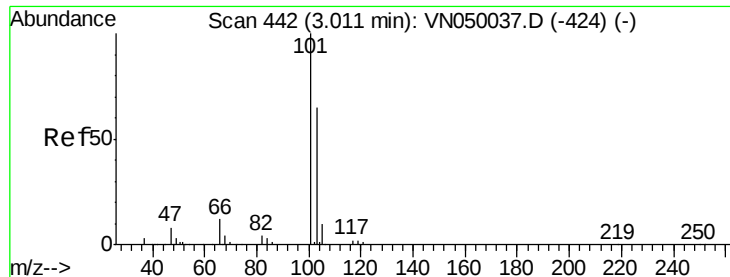
66 31.5 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



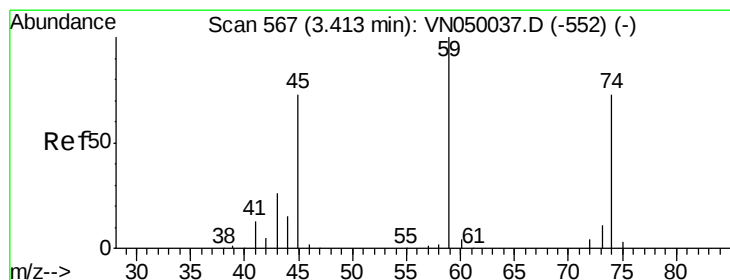
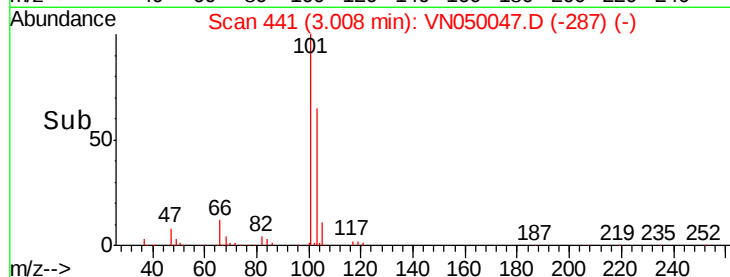
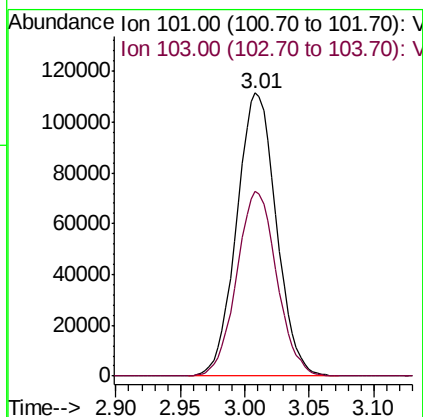
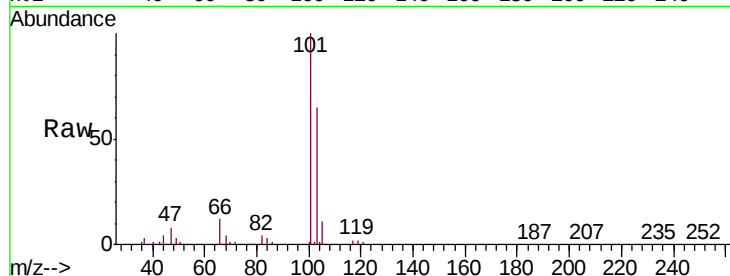


#7

Trichlorofluoromethane
 Concen: 19.32 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Instrument :
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 VSTDCCC020EC

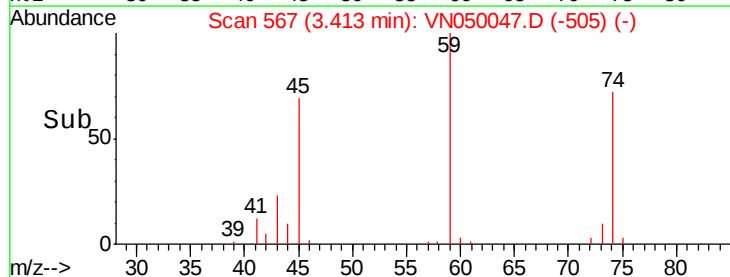
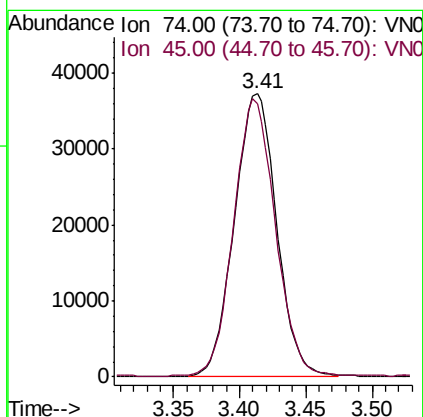
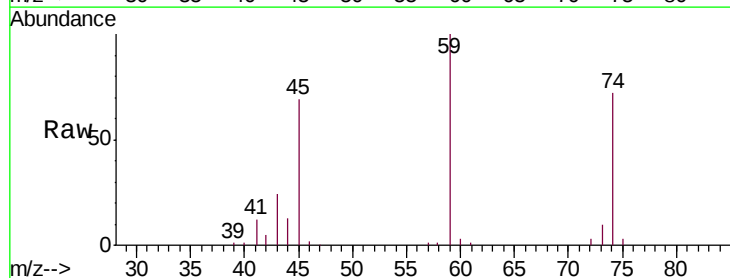
Tot Ion:101 Resp: 238682
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.5 77.3

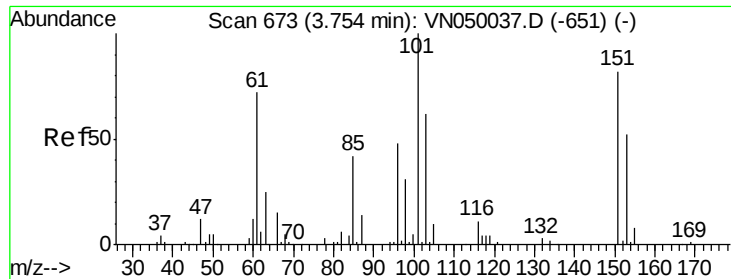


#8

Diethyl Ether
 Concen: 19.94 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion: 74 Resp: 82648
 Ion Ratio Lower Upper
 74 100
 45 97.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.97 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

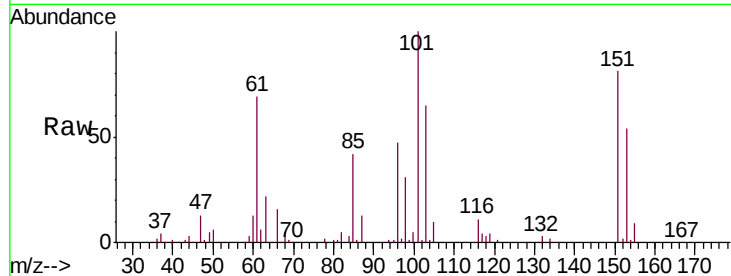
Tot Ion:101 Resp: 150042

Ion Ratio Lower Upper

101 100

85 41.4 0.0 83.0

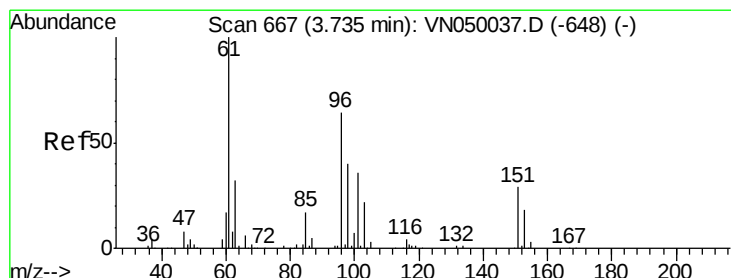
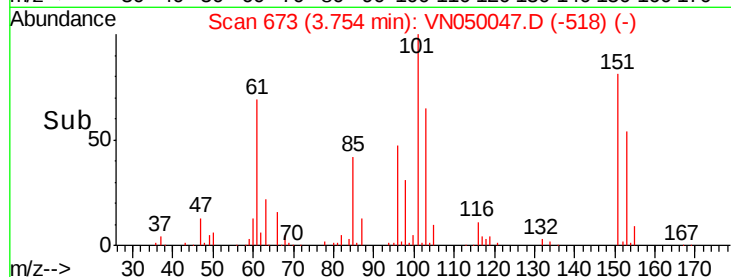
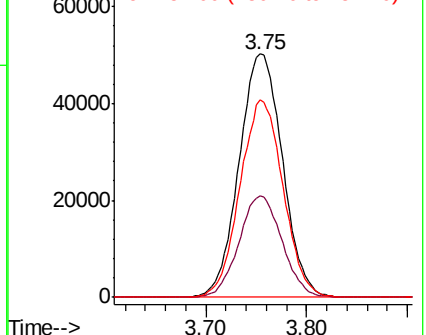
151 80.6 0.0 166.8



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: 19.04 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

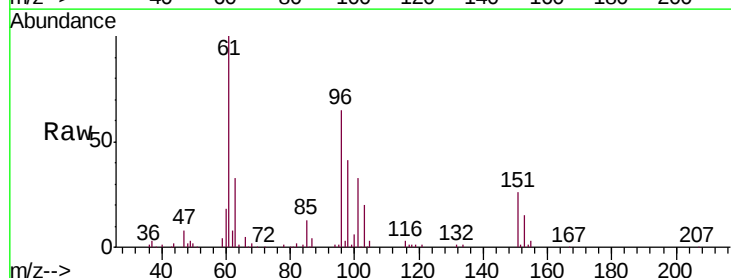
Tgt Ion: 96 Resp: 126843

Ion Ratio Lower Upper

96 100

61 153.2 130.6 195.8

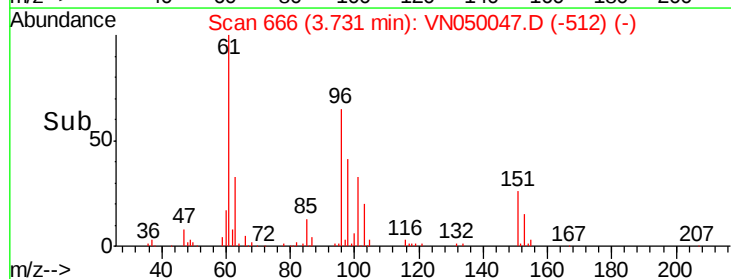
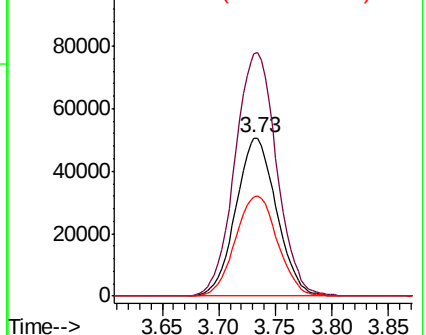
98 62.9 53.5 80.3

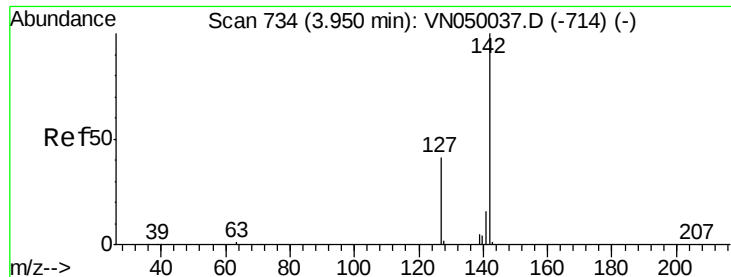


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

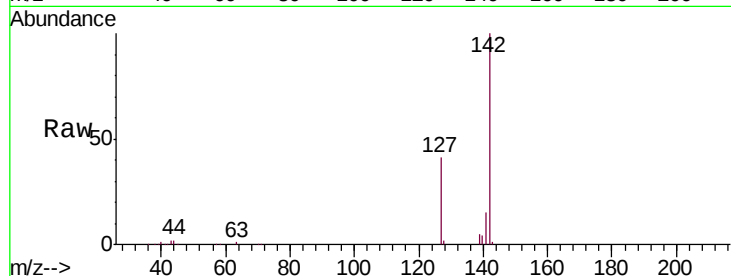




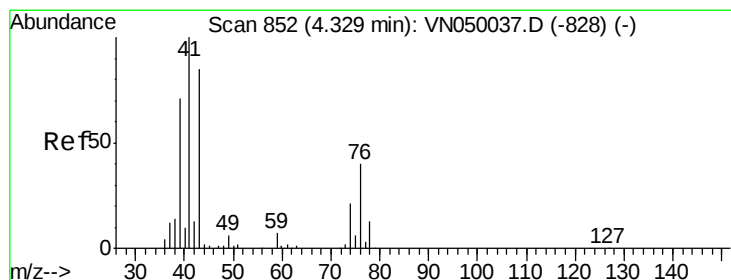
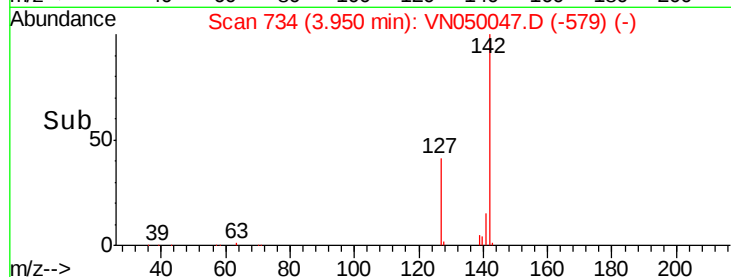
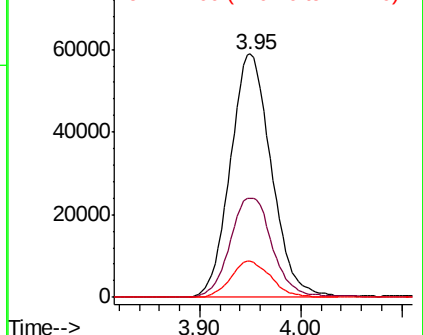
#11
Methyl Iodide
Concen: 16.94 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.4	20.2	60.5
141	15.2	6.9	20.6

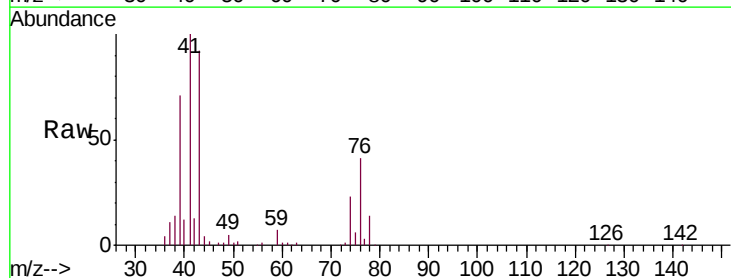


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

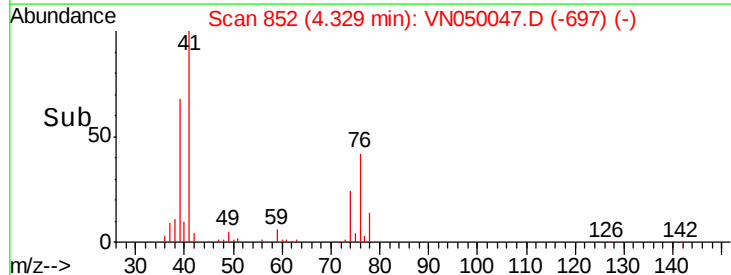
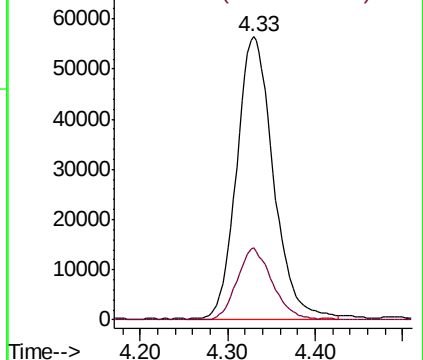


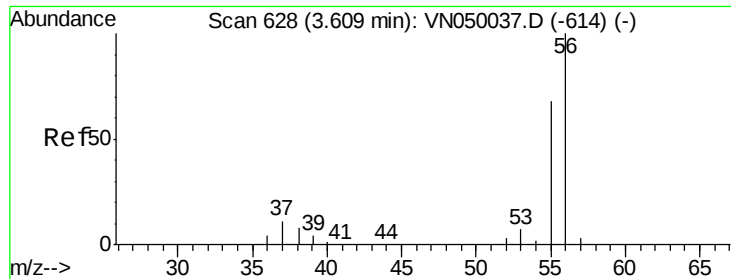
#12
Methyl Acetate
Concen: 21.33 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.3	28.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 73.93 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

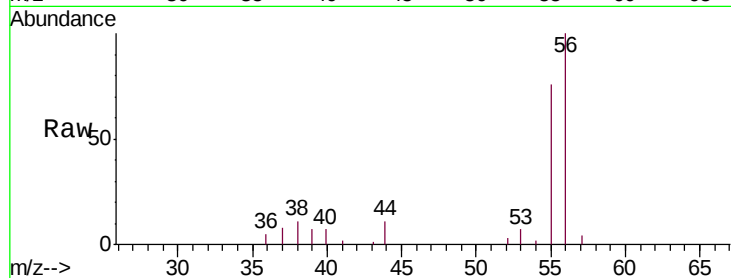
VSTDCCC020EC

Tot Ion: 56 Resp: 34874

Ion Ratio Lower Upper

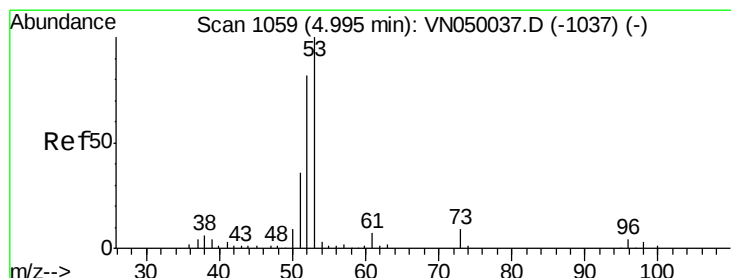
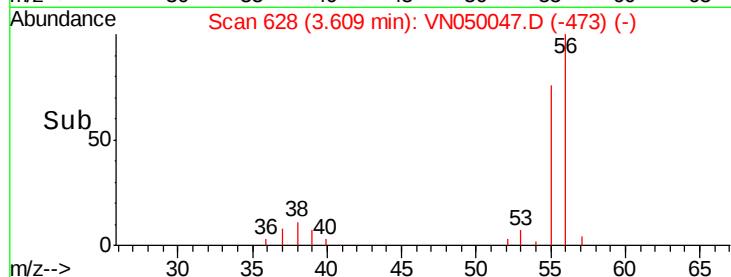
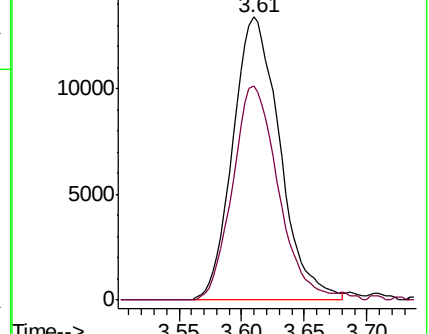
56 100

55 73.2 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.83 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

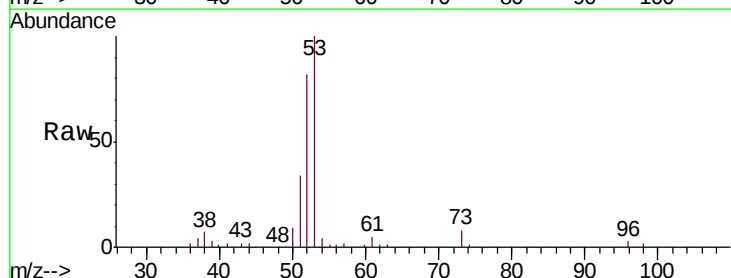
Tgt Ion: 53 Resp: 256822

Ion Ratio Lower Upper

53 100

52 82.2 41.5 124.5

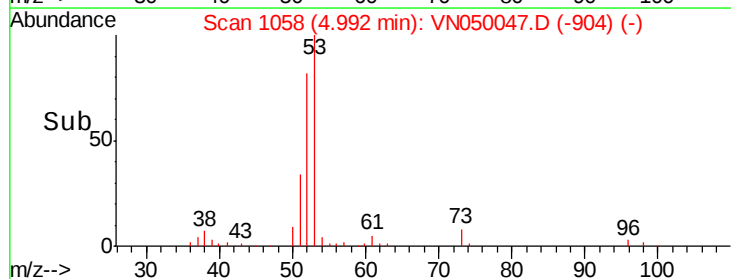
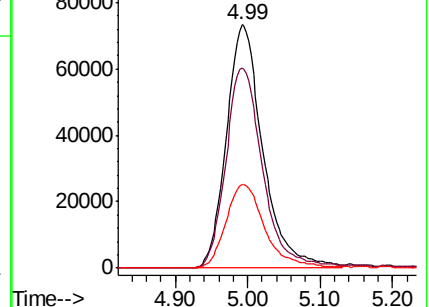
51 36.0 18.7 56.1

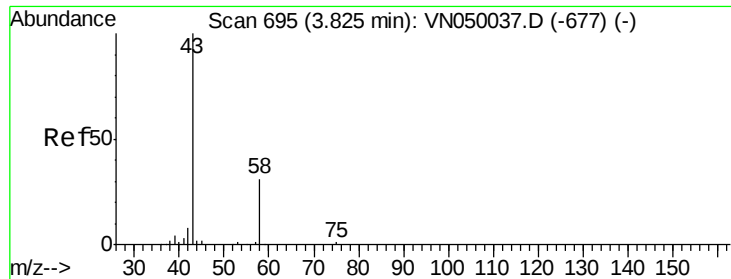


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 105.69 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

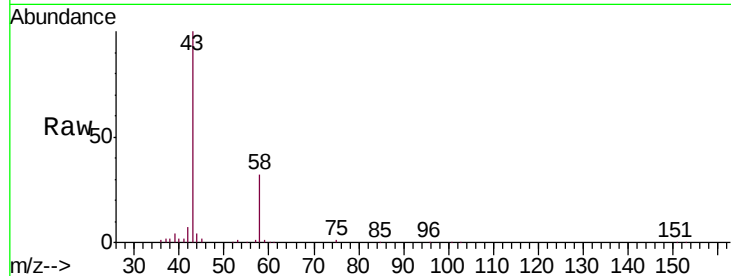
VSTDCCC020EC

Tot Ion: 58 Resp: 71541

Ion Ratio Lower Upper

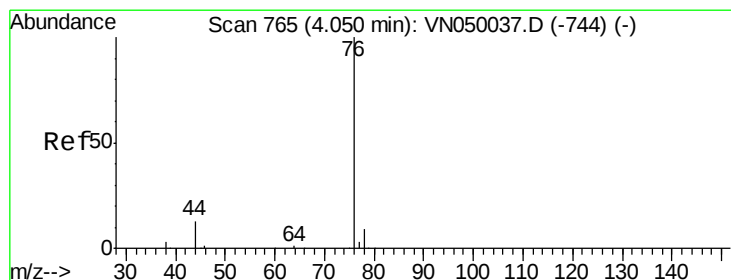
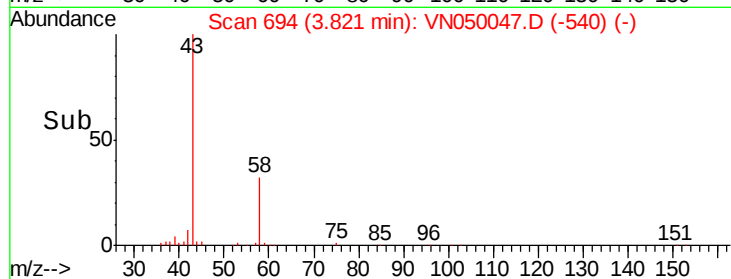
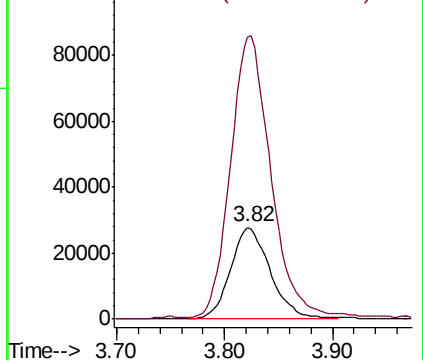
58 100

43 306.6 252.0 378.0



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: 18.42 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050047.D

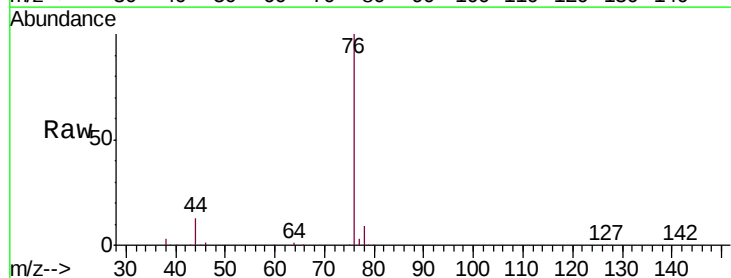
Acq: 25 Jul 2018 15:56

Tgt Ion: 76 Resp: 375670

Ion Ratio Lower Upper

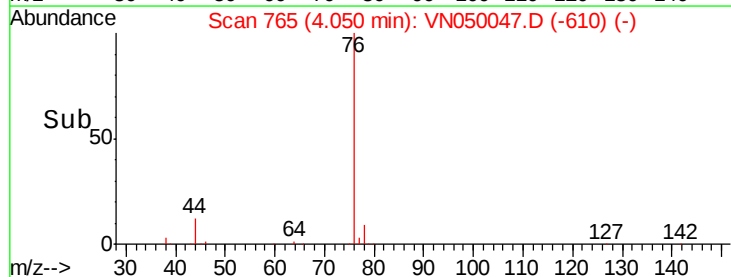
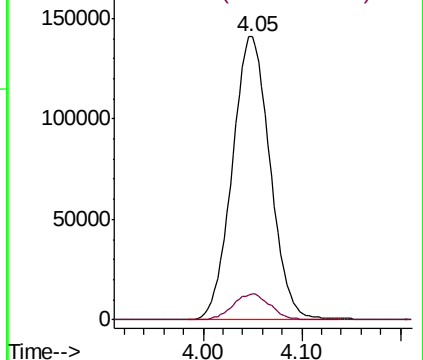
76 100

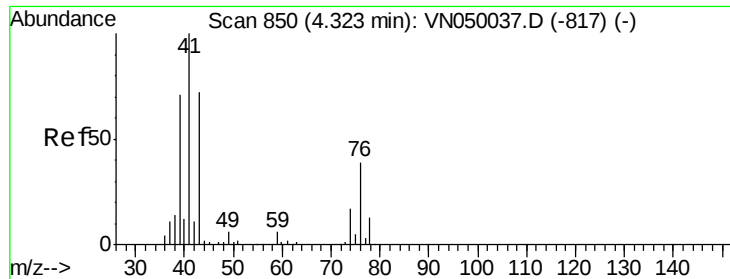
78 9.1 7.3 10.9



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

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

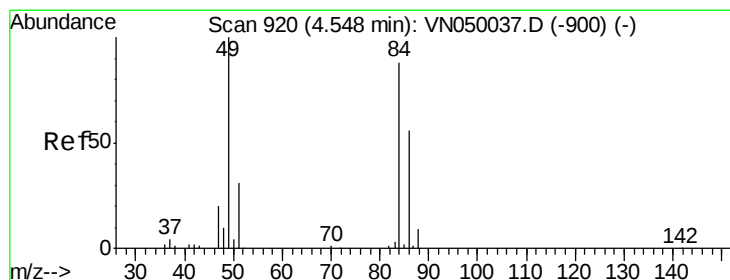
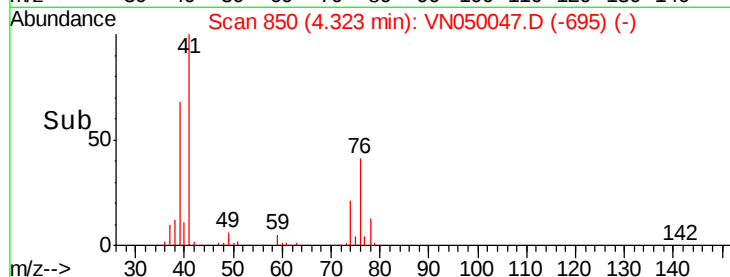
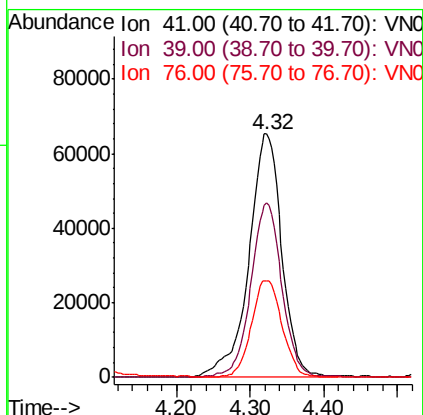
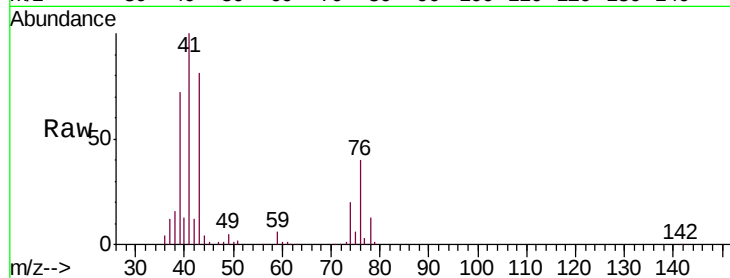




#17
Allvl chloride
Concen: 19.28 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

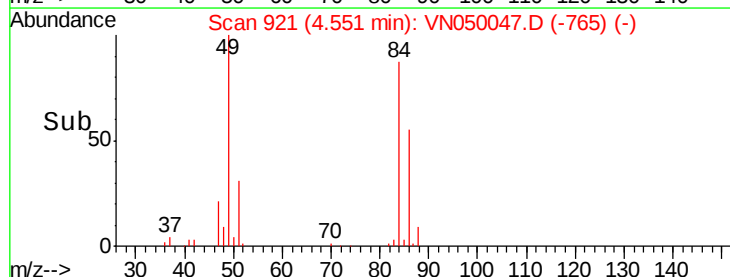
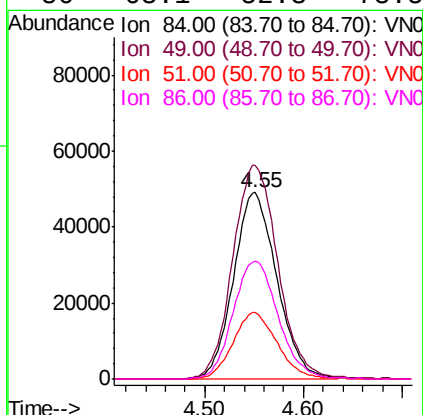
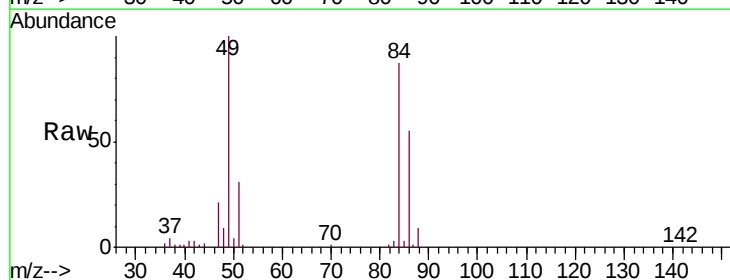
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

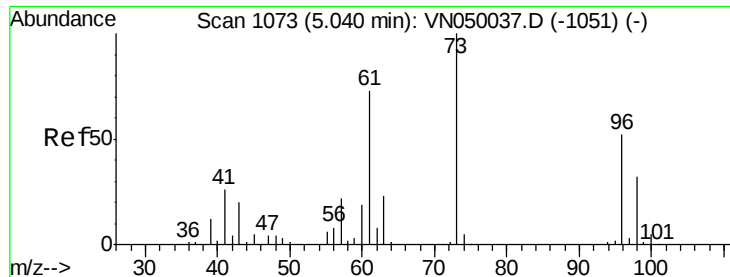
Tot Ion: 41 Resp: 202896
Ion Ratio Lower Upper
41 100
39 71.8 35.4 106.3
76 39.5 19.7 59.1



#18
Methylene Chloride
Concen: 19.47 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 84 Resp: 149671
Ion Ratio Lower Upper
84 100
49 114.2 95.1 142.7
51 35.8 28.8 43.2
86 63.1 52.3 78.5

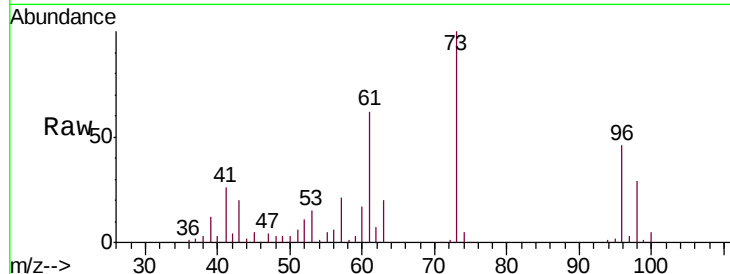




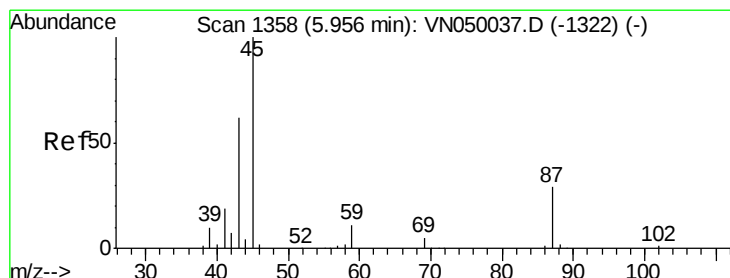
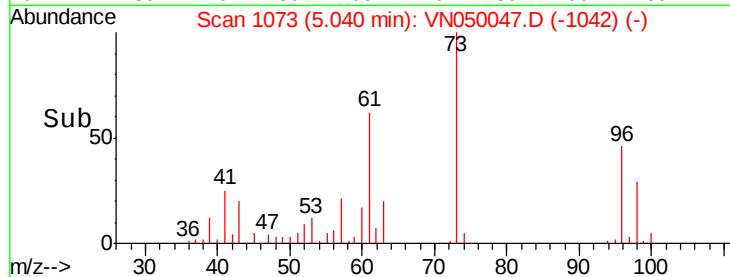
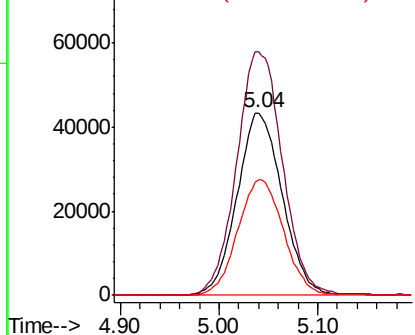
#19
trans-1,2-Dichloroethene
Concen: 19.27 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 137499
Ion Ratio Lower Upper
96 100
61 132.7 112.1 168.1
98 63.2 51.3 76.9

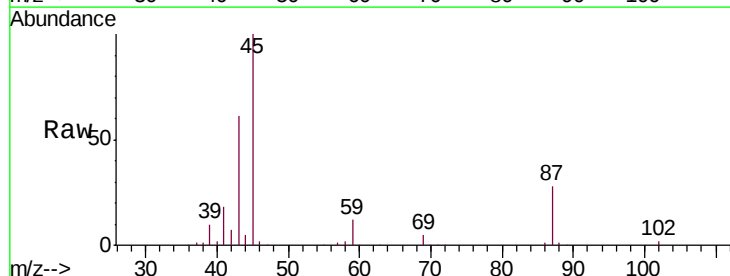


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

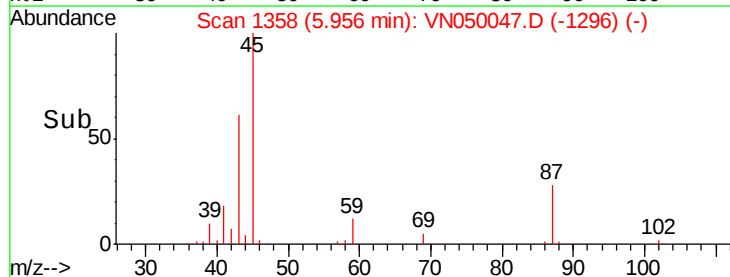
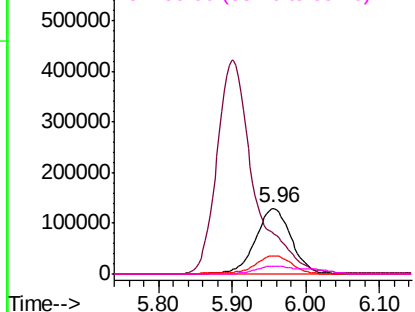


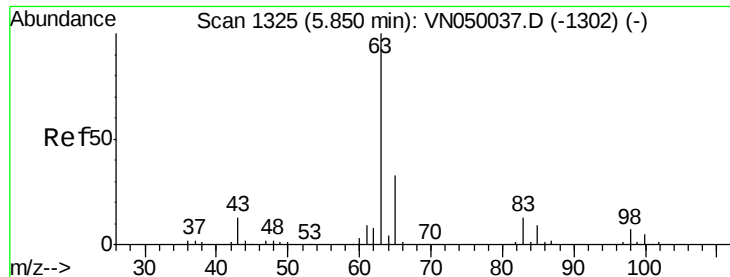
#20
Diisopropyl ether
Concen: 20.19 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 45 Resp: 435577
Ion Ratio Lower Upper
45 100
43 58.9 46.6 70.0
87 28.0 22.3 33.5
59 11.5 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 19.39 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

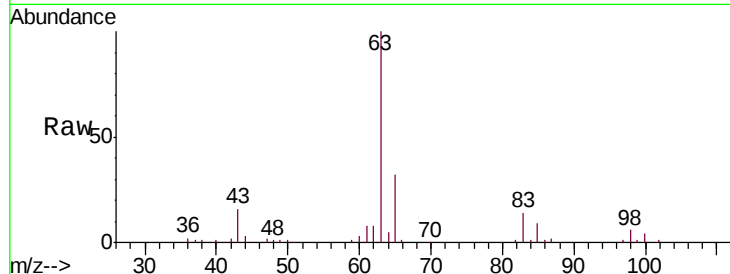
Tot Ion: 63 Resp: 263140

Ion Ratio Lower Upper

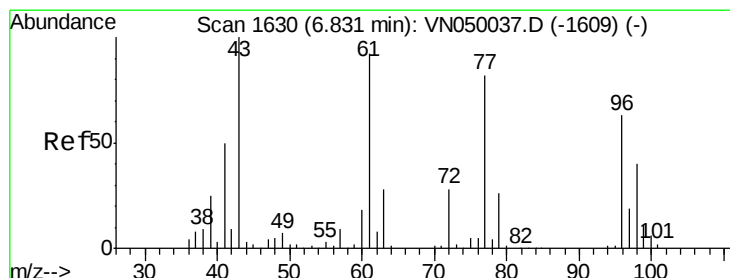
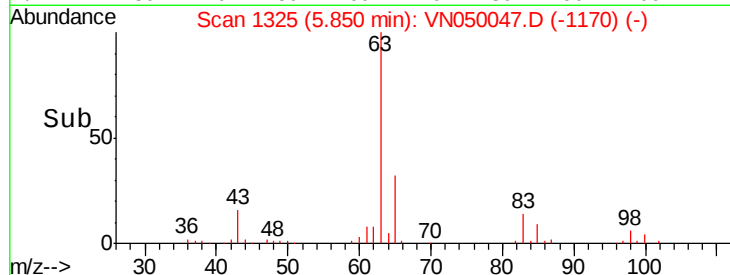
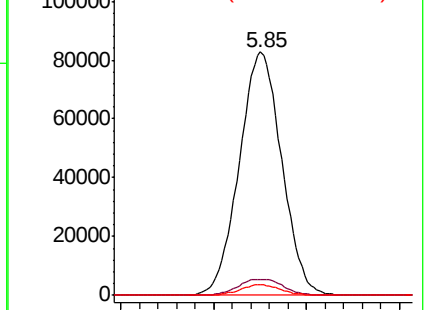
63 100

98 6.4 3.5 10.6

100 4.4 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: 19.57 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

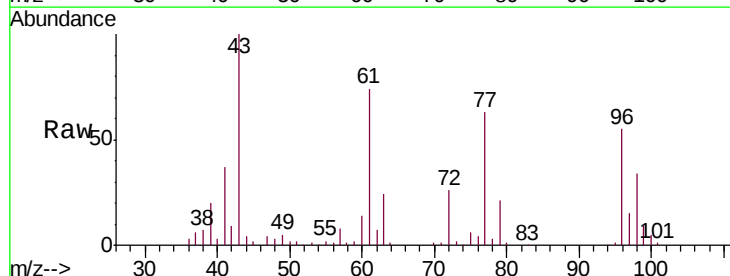
Tgt Ion: 96 Resp: 154831

Ion Ratio Lower Upper

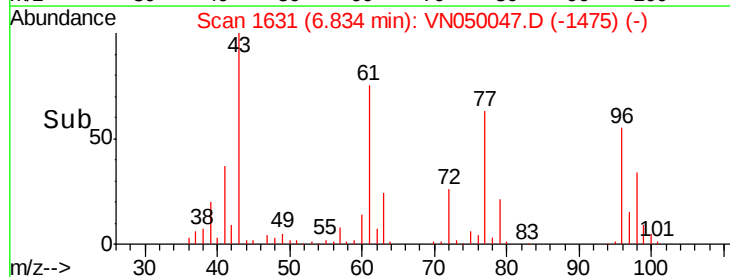
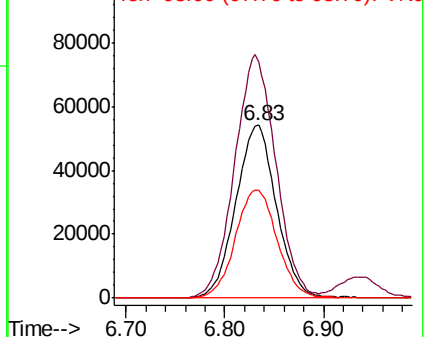
96 100

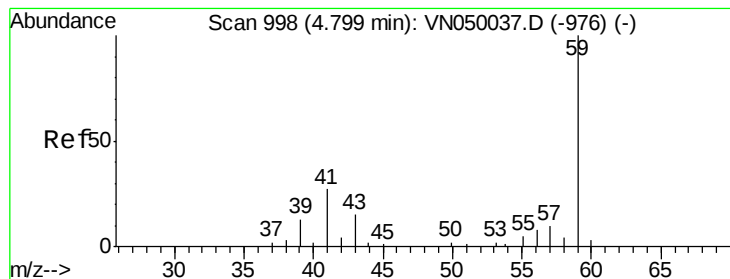
61 142.8 114.2 171.2

98 64.5 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



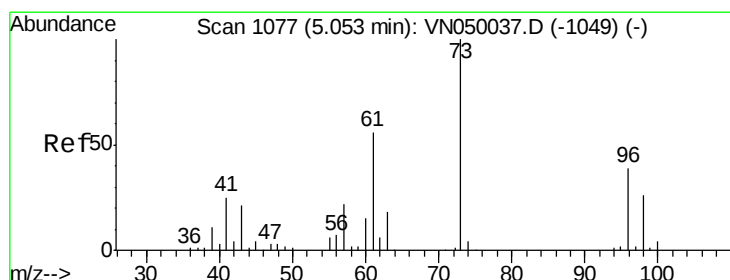
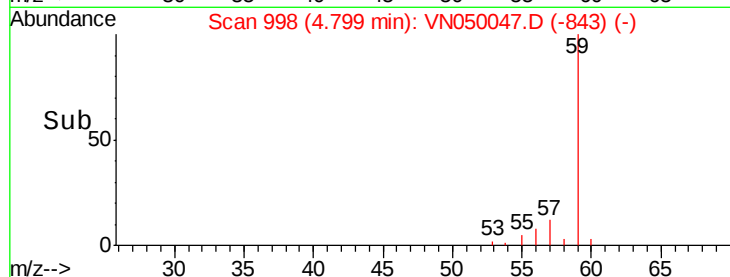
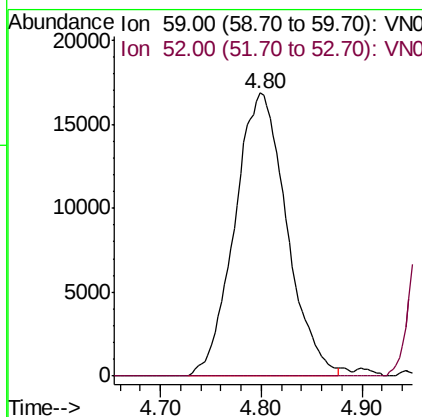
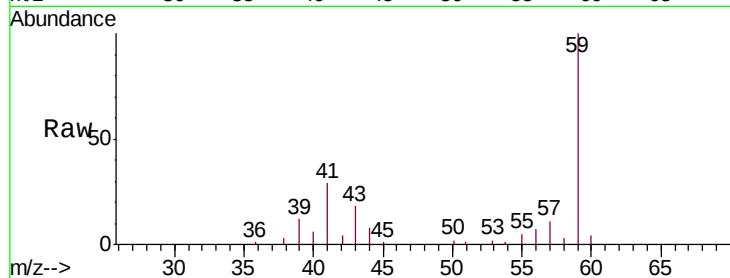


#23

tert-Butyl Alcohol
 Concen: 105.88 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

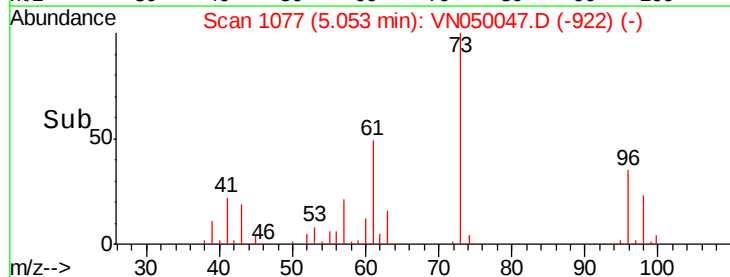
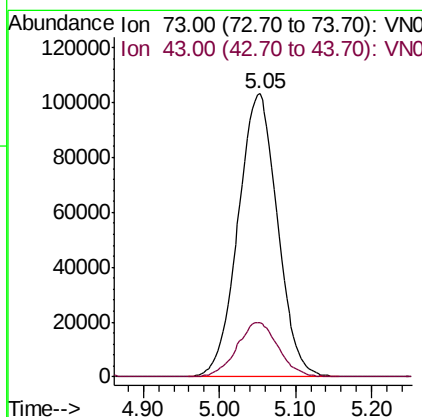
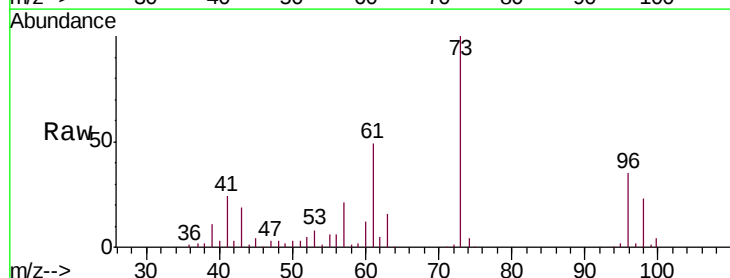
Tot Ion: 59 Resp: 60312
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

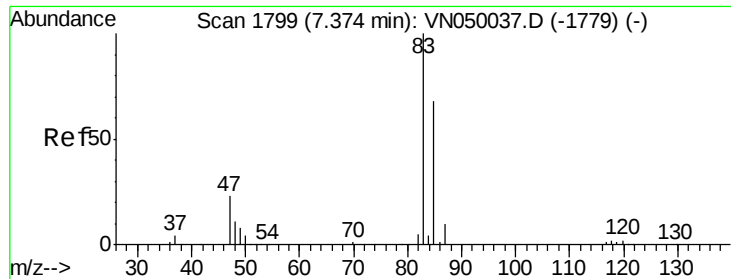


#24

Methyl tert-Butyl Ether
 Concen: 20.46 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion: 73 Resp: 371770
 Ion Ratio Lower Upper
 73 100
 43 19.6 15.5 23.3

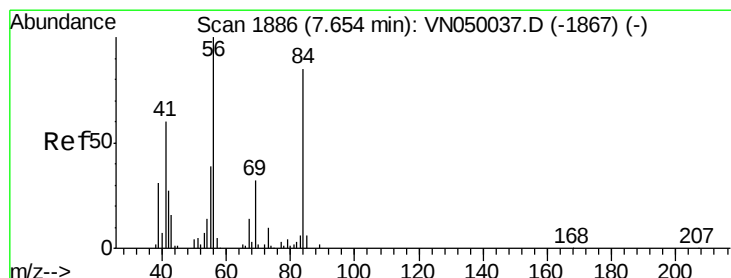
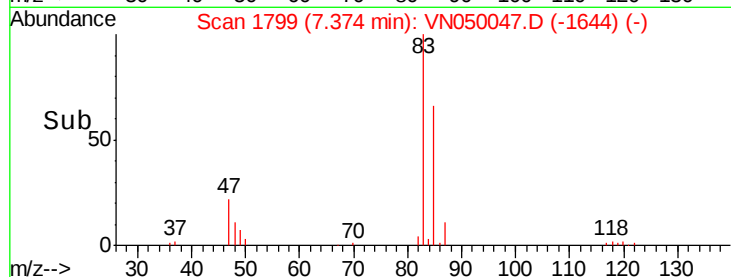
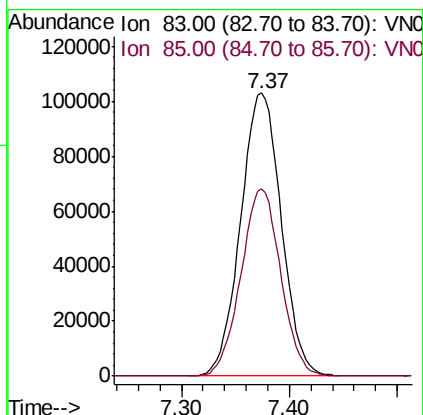
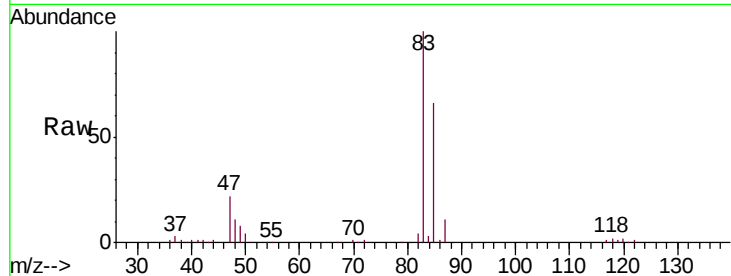




#25
Chloroform
Concen: 19.69 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

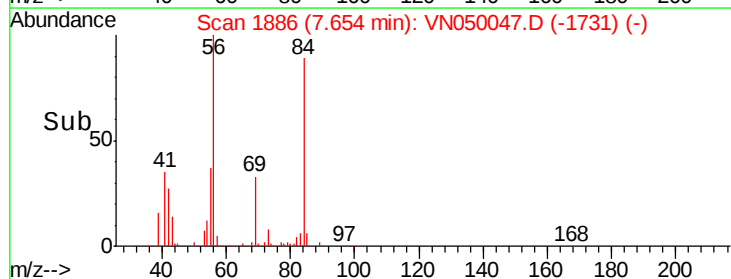
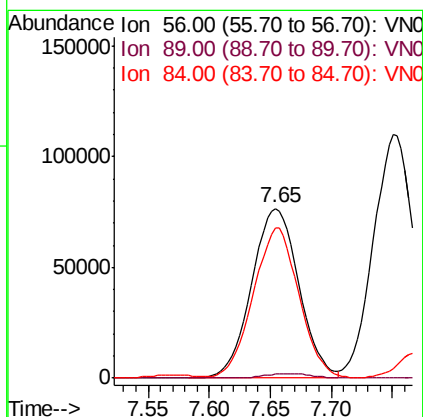
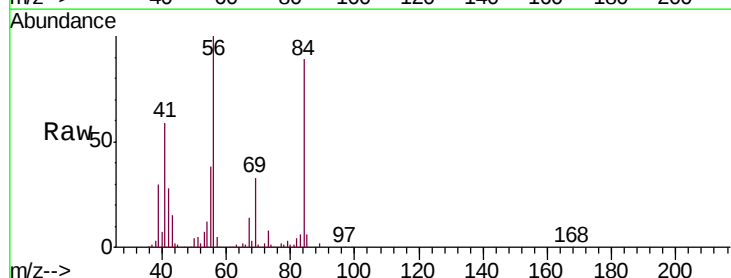
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

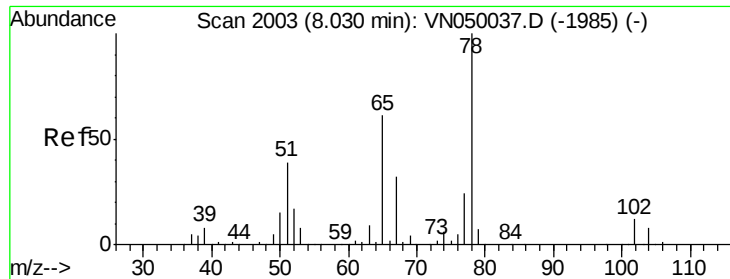
Tot Ion: 83 Resp: 270484
Ion Ratio Lower Upper
83 100
85 66.2 52.1 78.1



#26
Cyclohexane
Concen: 19.11 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 56 Resp: 206078
Ion Ratio Lower Upper
56 100
89 2.5 3.0 4.4#
84 85.4 69.8 104.8

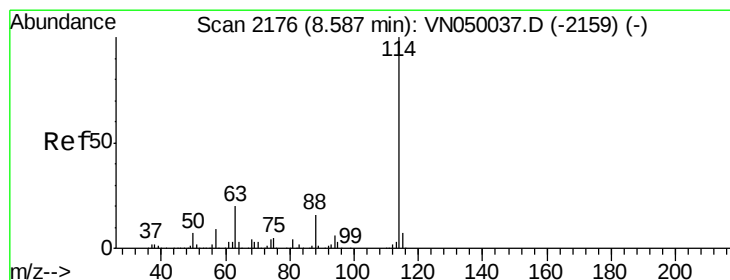
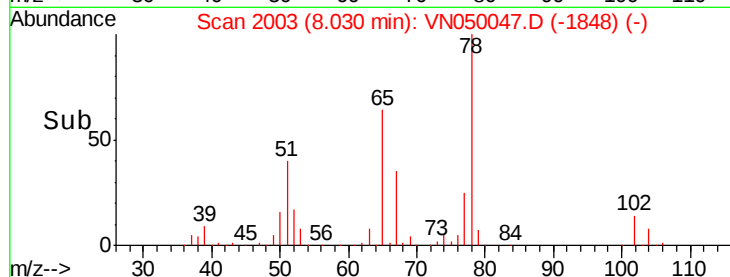
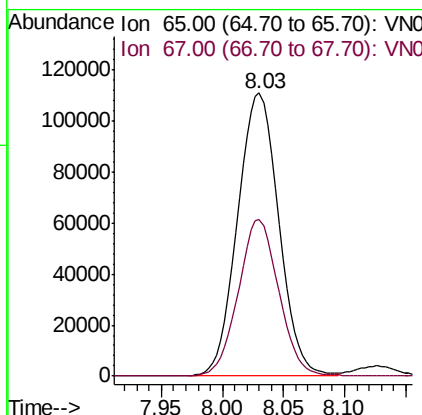
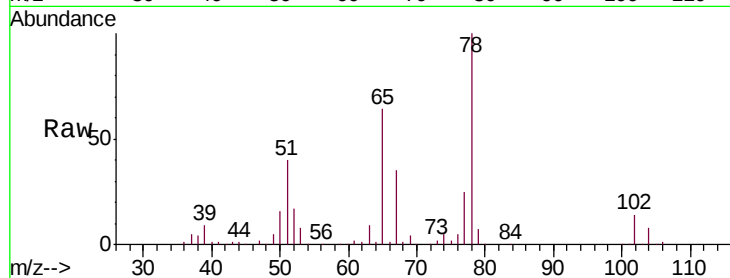




#27
 1,2-Dichloroethane-d4
 Concen: 30.61 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

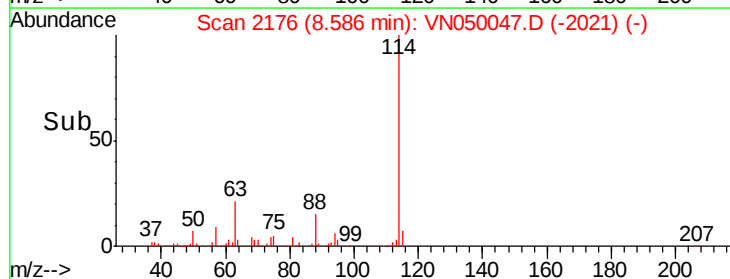
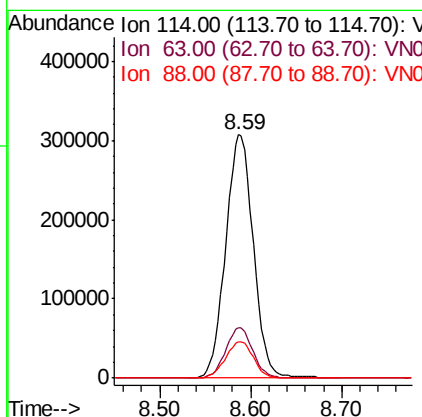
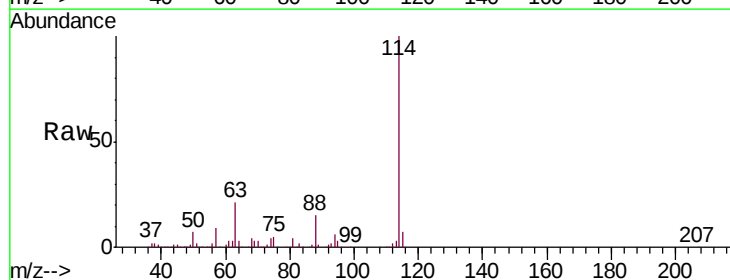
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

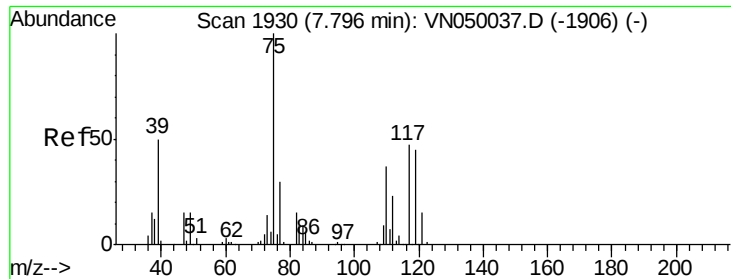
Tot Ion: 65 Resp: 260065
 Ion Ratio Lower Upper
 65 100
 67 54.3 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion: 114 Resp: 649457
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.3 12.3 18.5





#29

1,1-Dichloropropene

Concen: 19.36 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

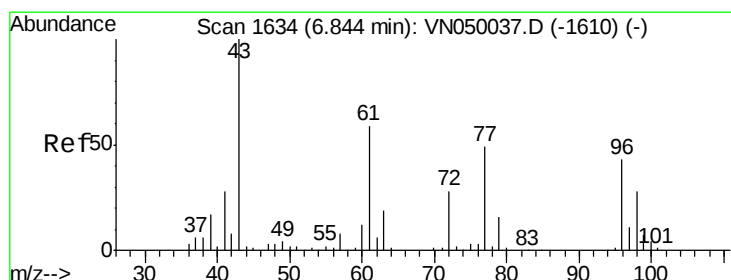
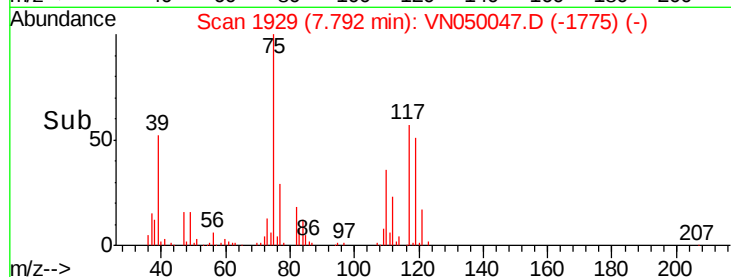
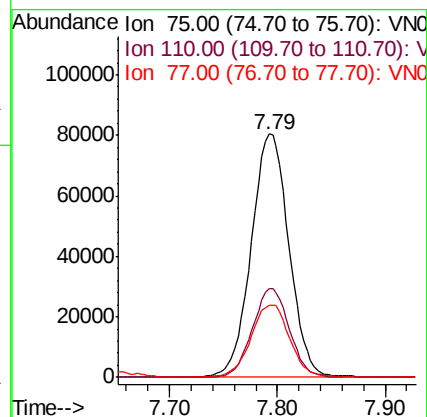
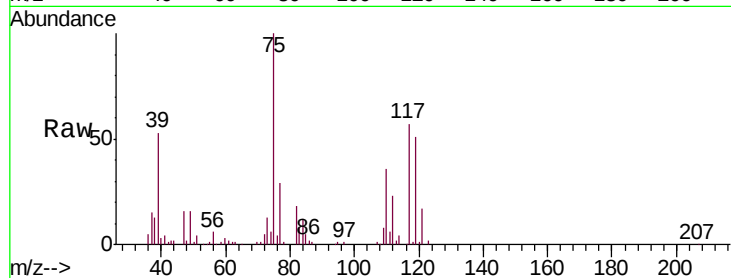
Tot Ion: 75 Resp: 195174

Ion Ratio Lower Upper

75 100

110 35.6 0.0 73.2

77 30.7 0.0 62.0



#30

2-Butanone

Concen: 100.10 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

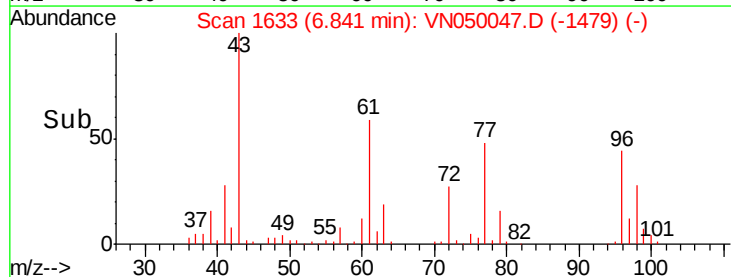
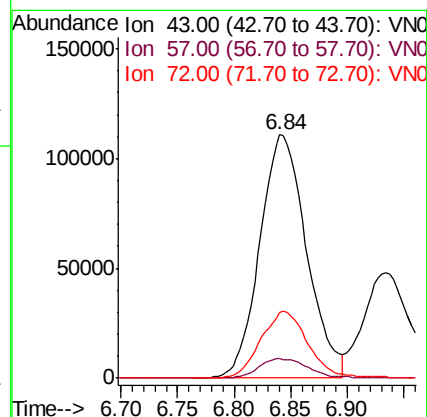
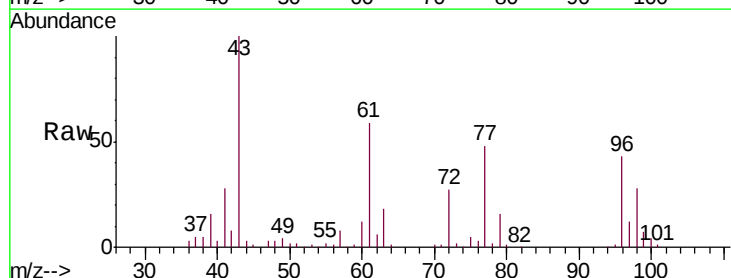
Tgt Ion: 43 Resp: 316592

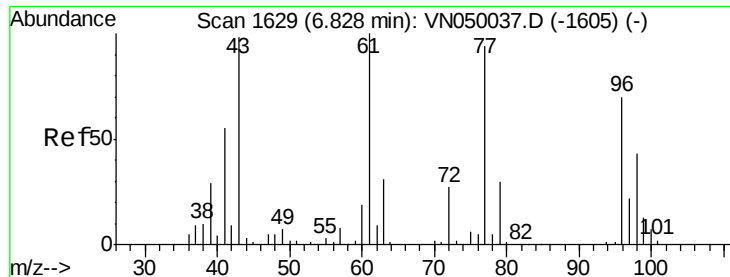
Ion Ratio Lower Upper

43 100

57 8.4 6.8 10.2

72 27.7 21.4 32.0





#31

2,2-Dichloropropane

Concen: 19.28 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

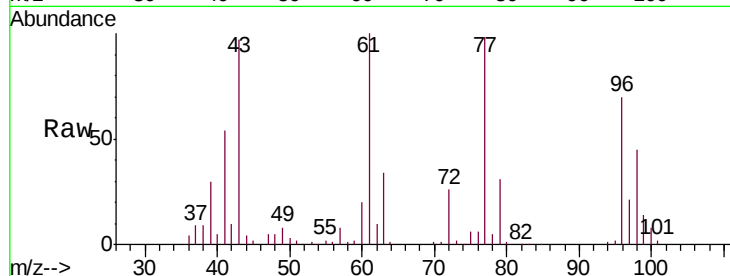
VSTDCCC020EC

Tot Ion: 77 Resp: 214756

Ion Ratio Lower Upper

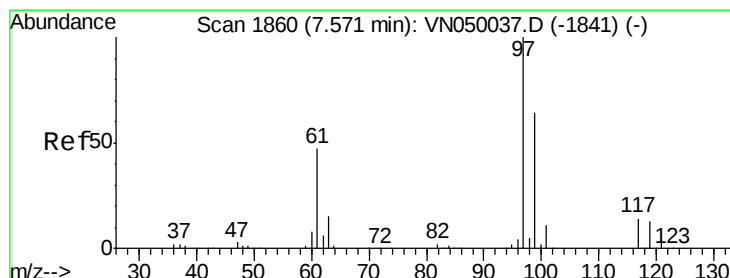
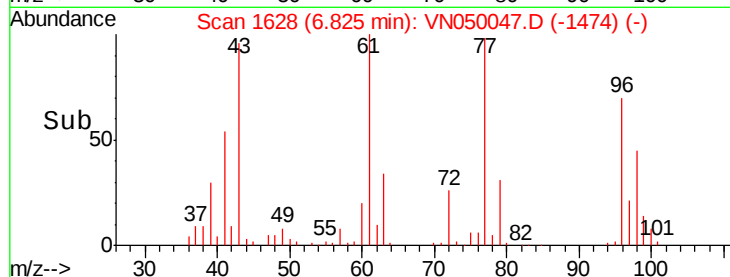
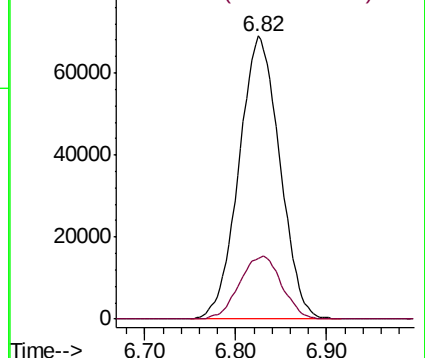
77 100

97 23.1 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.04 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

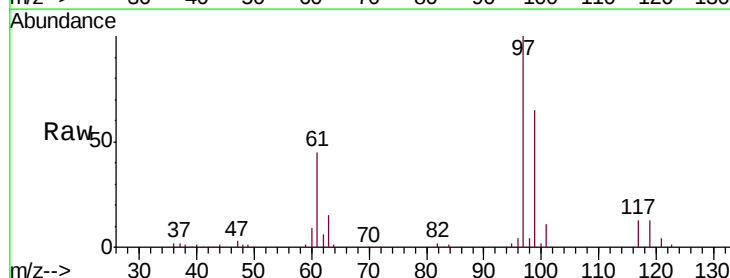
Tgt Ion: 97 Resp: 225845

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

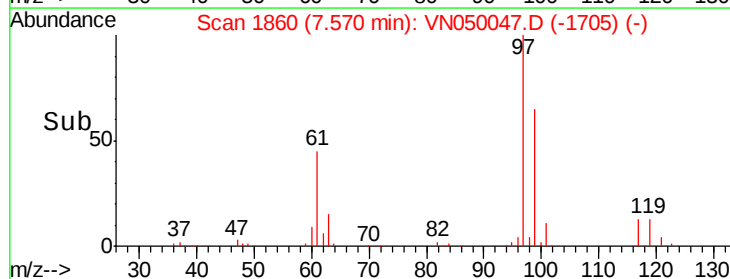
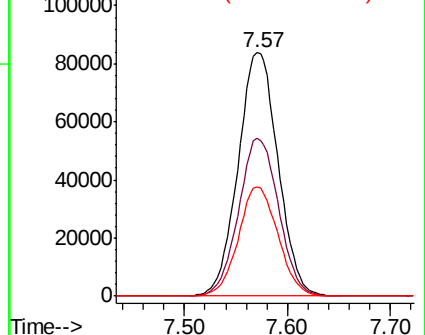
61 44.4 35.3 52.9

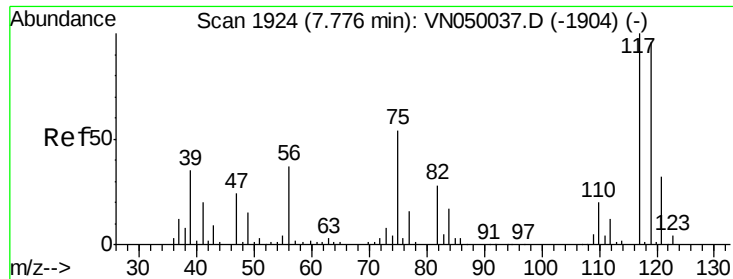


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

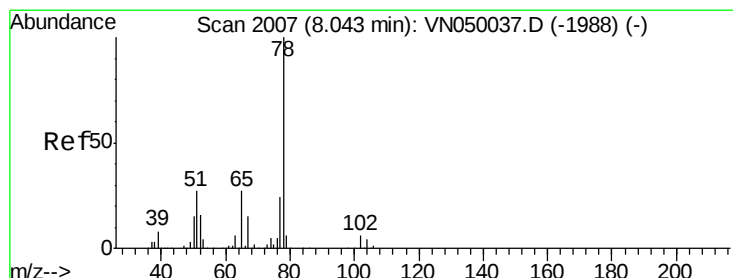
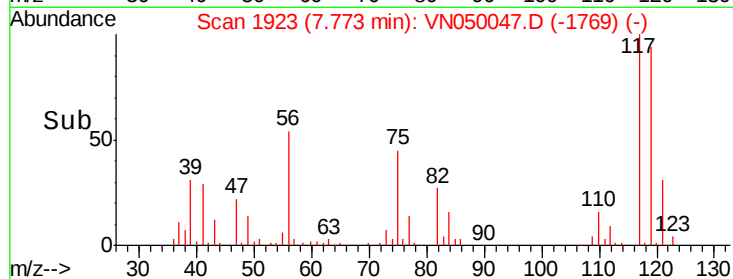
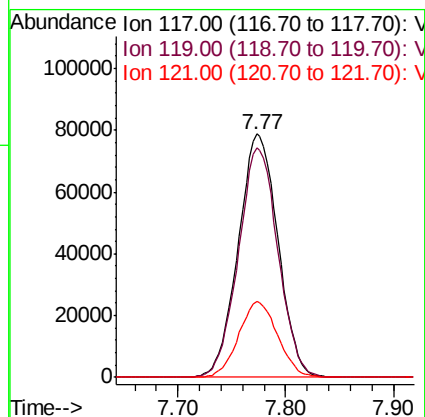
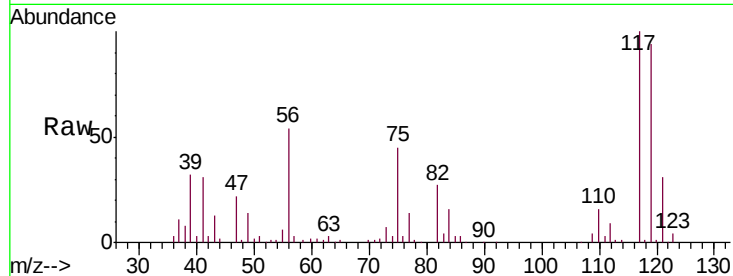




#33
Carbon Tetrachloride
Concen: 19.05 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

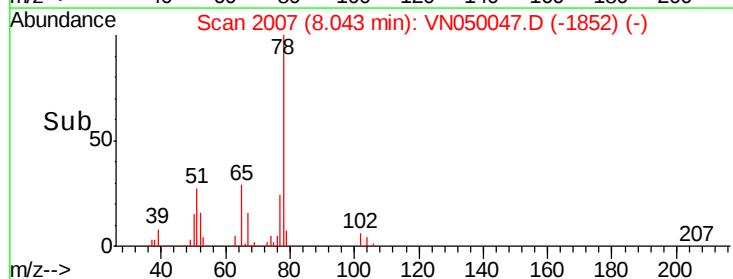
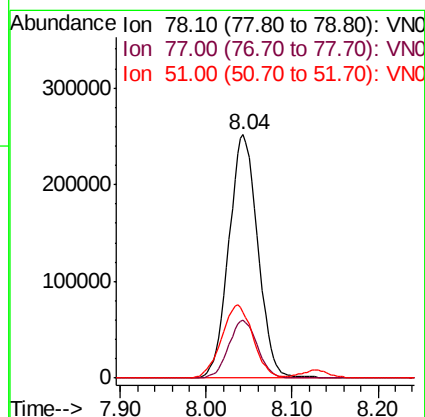
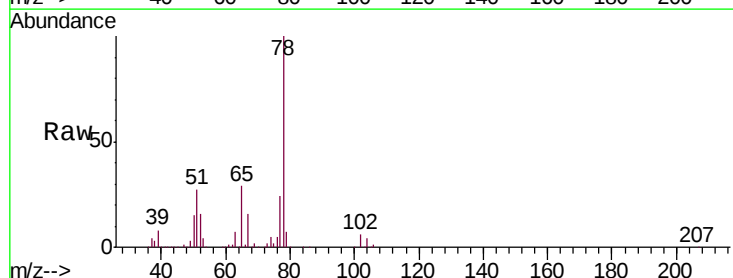
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

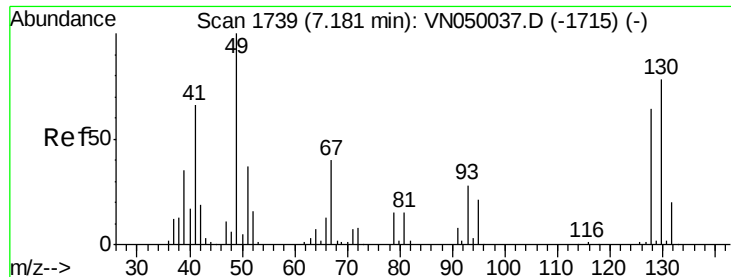
Tot Ion:117 Resp: 201445
Ion Ratio Lower Upper
117 100
119 94.3 76.9 115.3
121 31.2 24.4 36.6



#34
Benzene
Concen: 19.27 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 78 Resp: 589769
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7
51 26.8 21.0 31.4

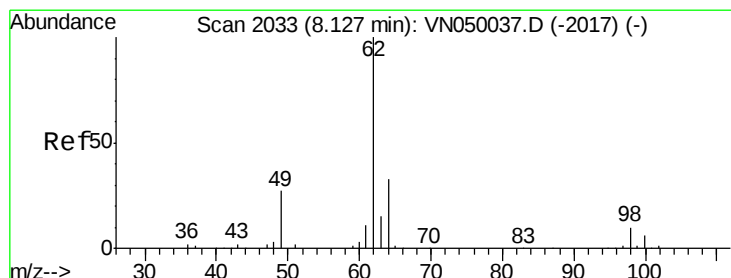
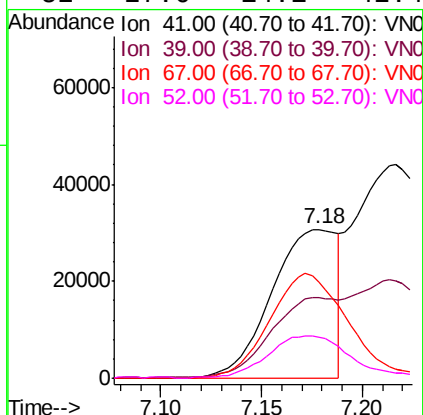
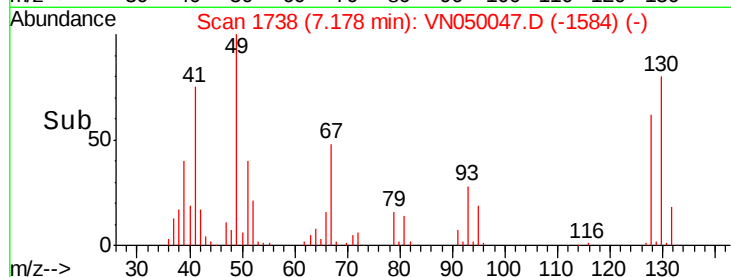
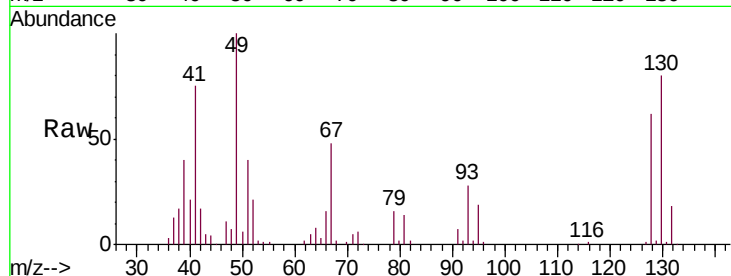




#35
Methacrylonitrile
Concen: 19.17 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

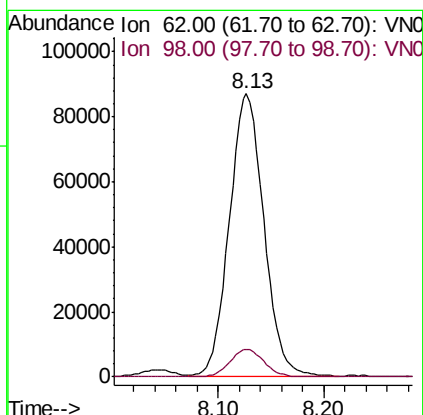
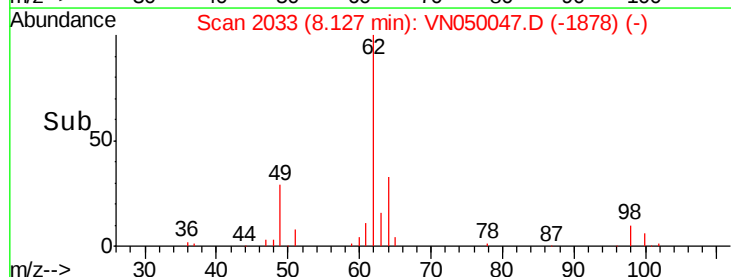
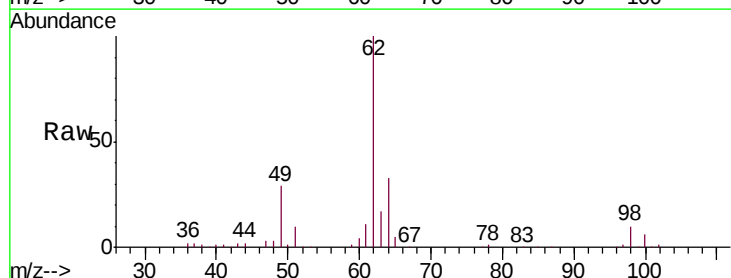
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

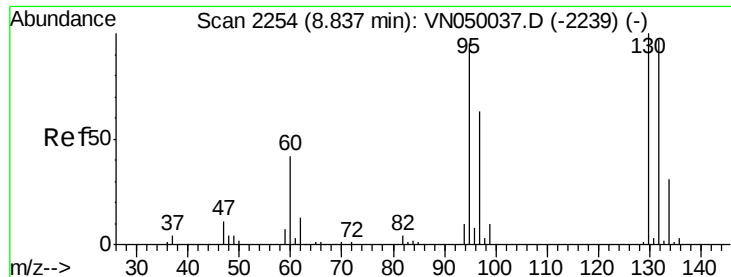
Tot Ion: 41 Resp: 69048
Ion Ratio Lower Upper
41 100
39 53.2 27.6 82.7
67 64.4 35.1 105.5
52 27.6 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.65 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 62 Resp: 197507
Ion Ratio Lower Upper
62 100
98 9.6 7.8 11.6

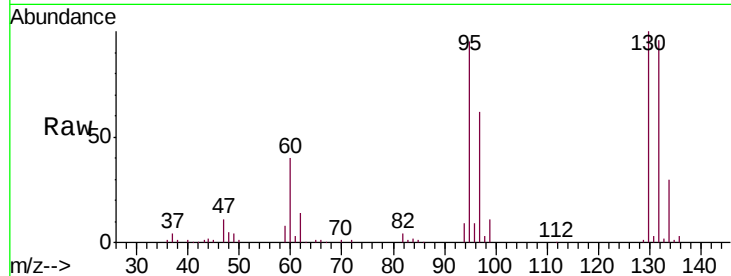




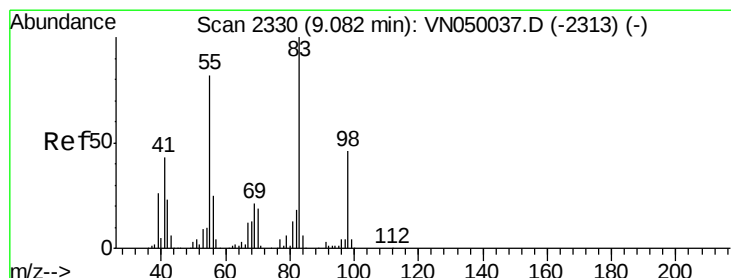
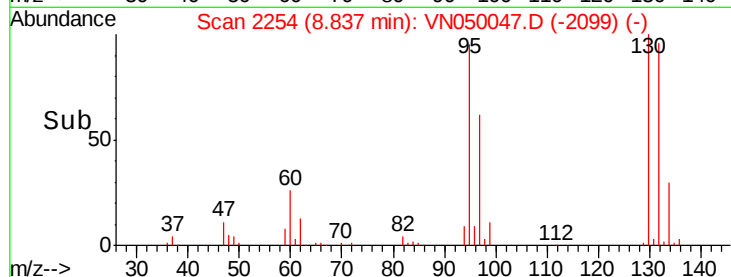
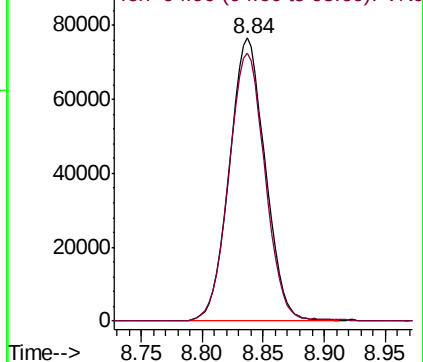
#37
 Trichloroethene
 Concen: 19.45 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 156126
 Ion Ratio Lower Upper
 130 100
 95 94.6 79.7 119.5

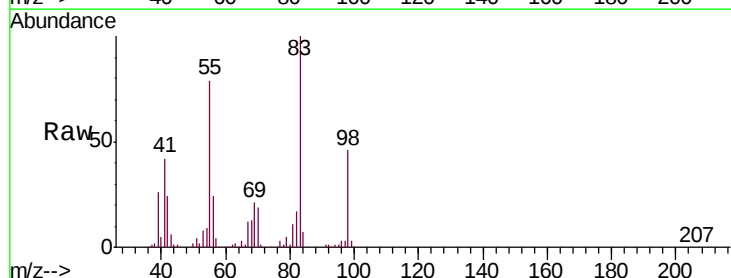


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN0

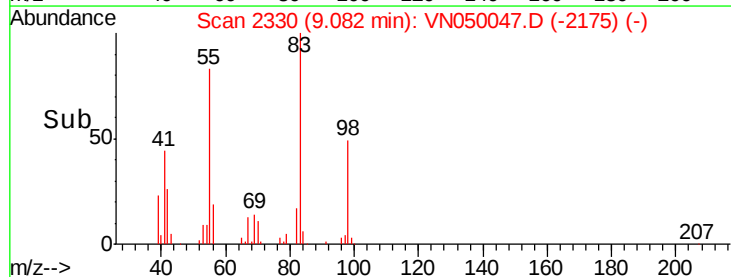
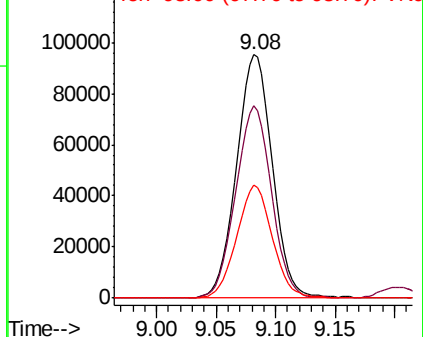


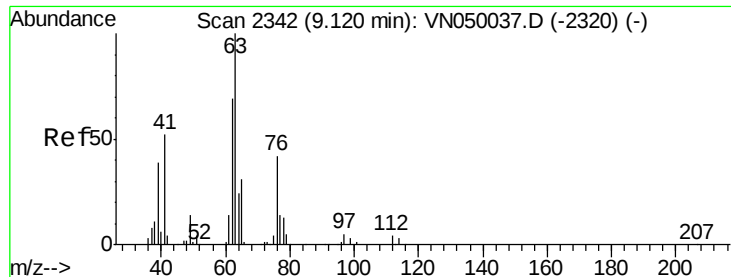
#38
 Methylcyclohexane
 Concen: 18.72 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion: 83 Resp: 198931
 Ion Ratio Lower Upper
 83 100
 55 79.3 39.3 117.8
 98 46.4 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#39

1,2-Dichloropropane

Concen: 19.61 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

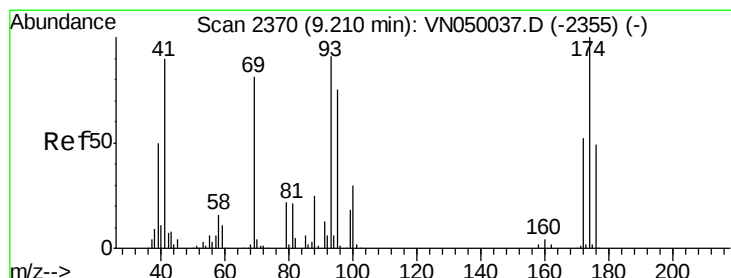
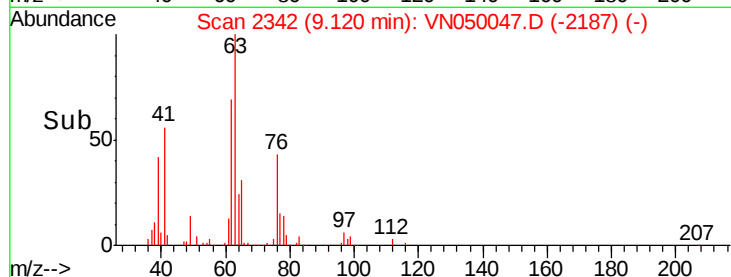
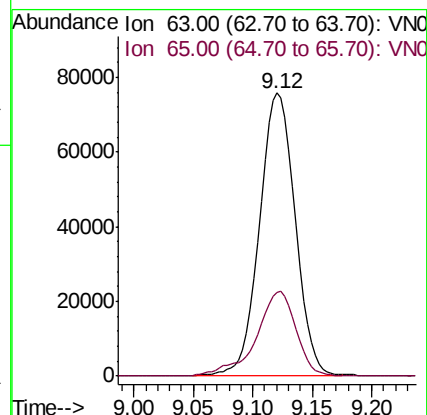
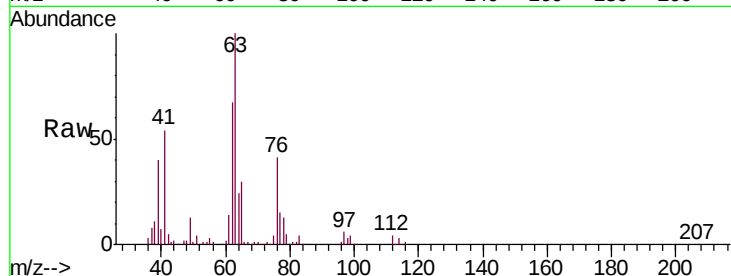
VSTDCCC020EC

Tot Ion: 63 Resp: 158157

Ion Ratio Lower Upper

63 100

65 29.8 24.2 36.2



#40

Dibromomethane

Concen: 19.77 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

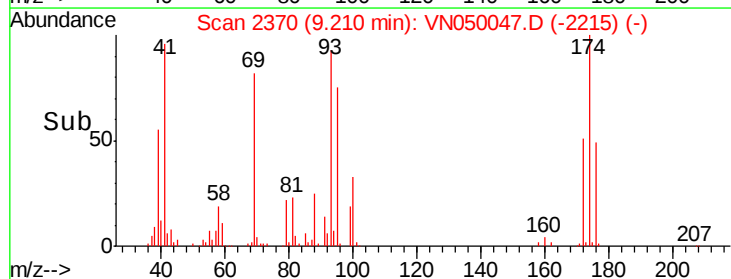
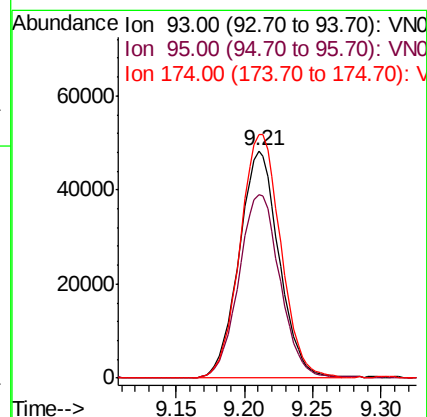
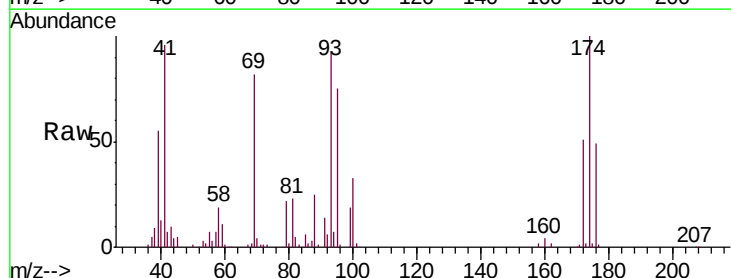
Tgt Ion: 93 Resp: 98541

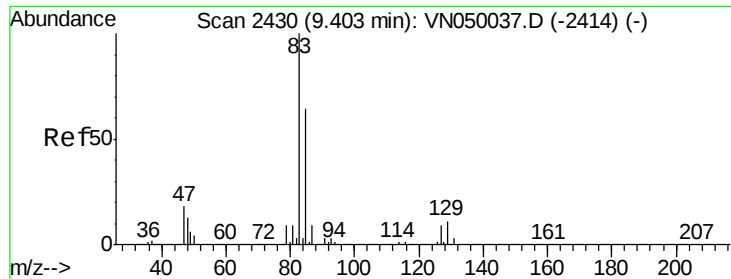
Ion Ratio Lower Upper

93 100

95 83.1 0.0 165.6

174 108.9 0.0 223.2





#41

Bromodichloromethane

Concen: 19.30 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

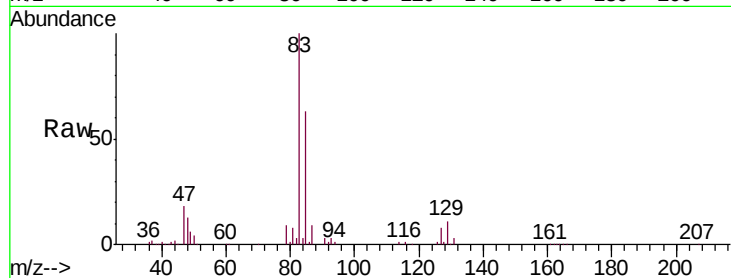
Tot Ion: 83 Resp: 202846

Ion Ratio Lower Upper

83 100

85 62.8 52.6 78.8

127 8.5 7.0 10.4

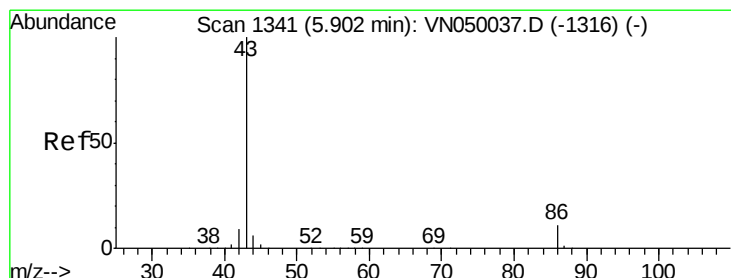
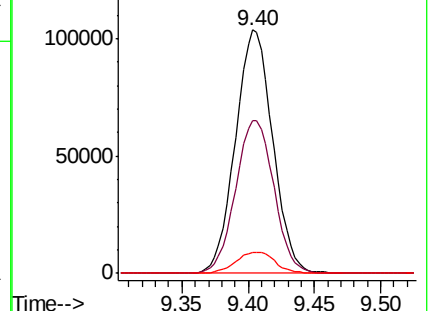
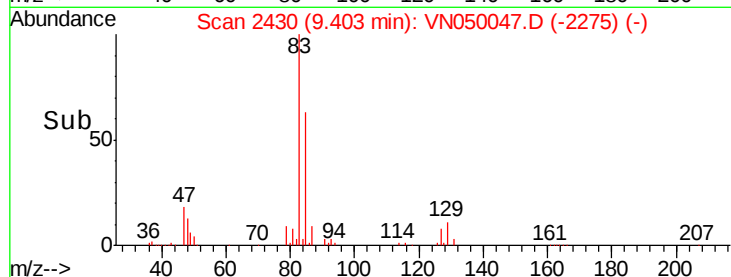


Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)

Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)

Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)

Time-->



#42

Vinyl Acetate

Concen: 98.63 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050047.D

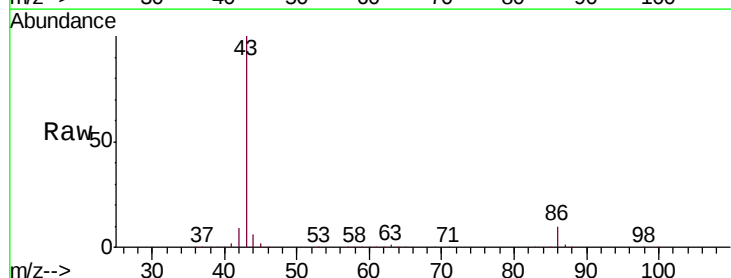
Acq: 25 Jul 2018 15:56

Tgt Ion: 43 Resp: 1467915

Ion Ratio Lower Upper

43 100

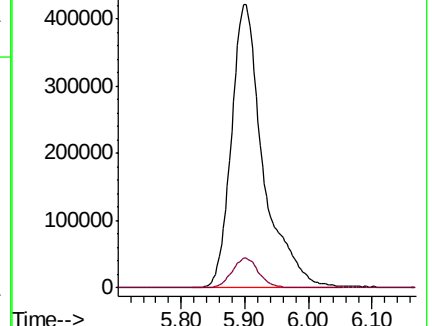
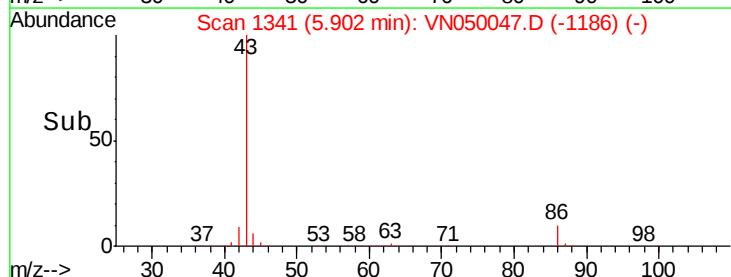
86 8.8 7.3 10.9

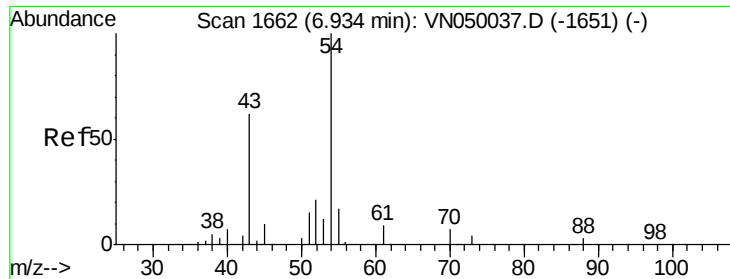


Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1316) (-)

Ion 86.00 (85.70 to 86.70): VN050037.D (-1316) (-)

Time-->





#43

Ethyl Acetate

Concen: 19.50 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

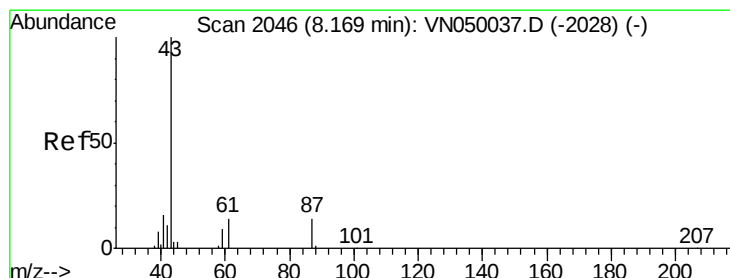
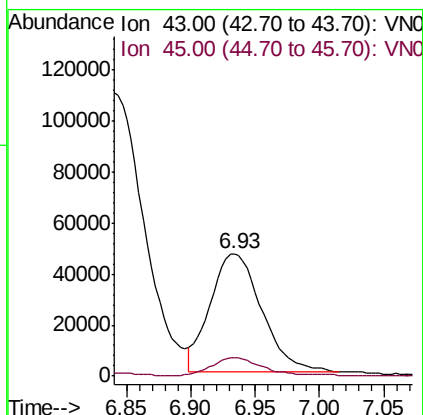
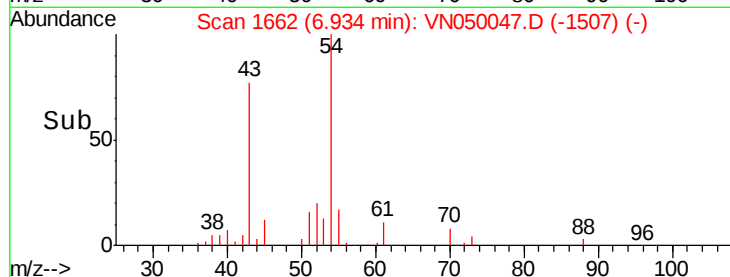
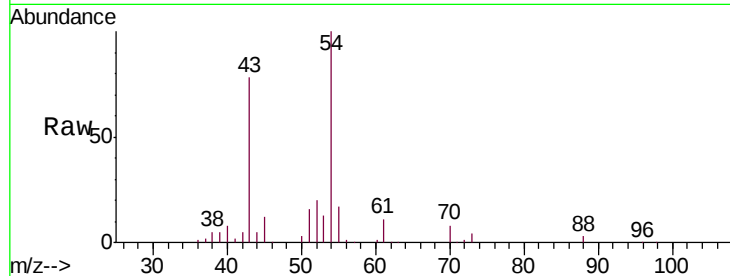
VSTDCCC020EC

Tot Ion: 43 Resp: 128816

Ion Ratio Lower Upper

43 100

45 13.7 13.0 19.6



#44

Isopropyl Acetate

Concen: 20.90 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050047.D

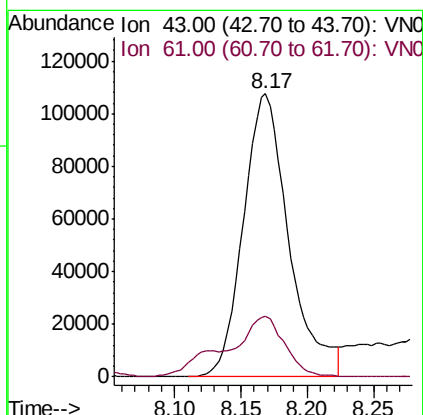
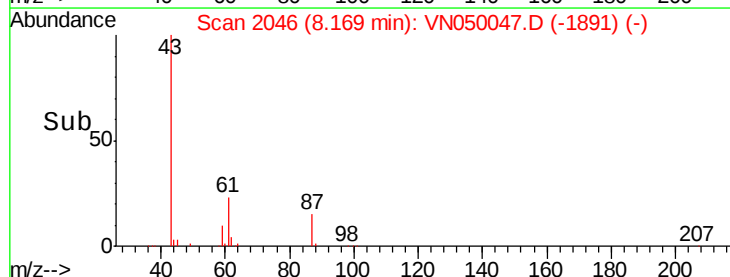
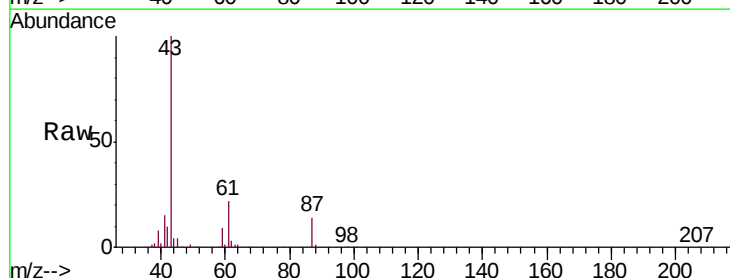
Acq: 25 Jul 2018 15:56

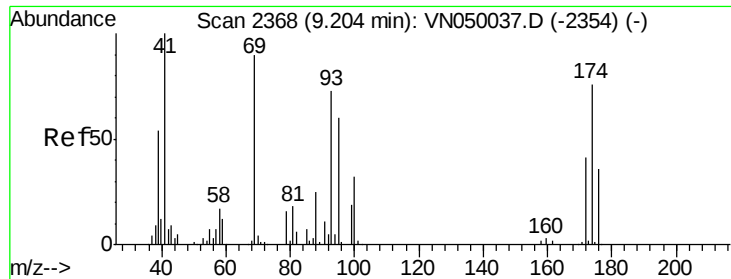
Tgt Ion: 43 Resp: 255699

Ion Ratio Lower Upper

43 100

61 18.0 16.4 24.6

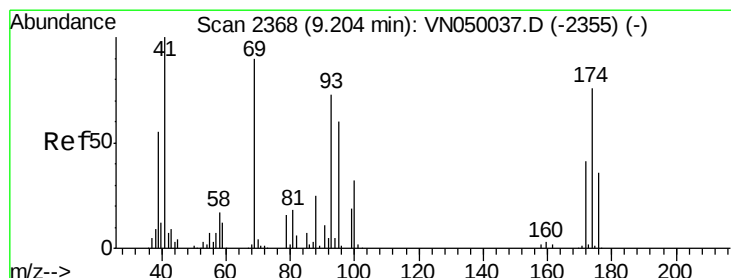
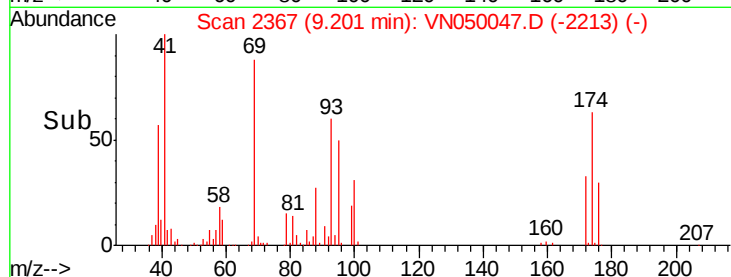
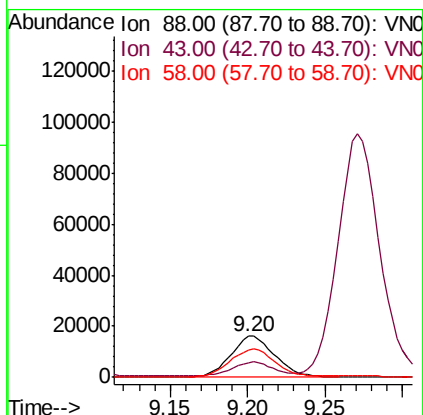
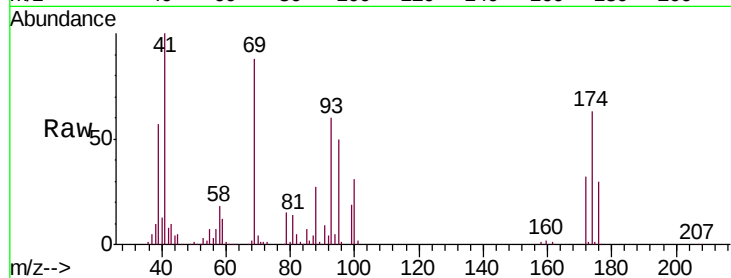




#45
 1,4-Dioxane
 Concen: 399.18 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

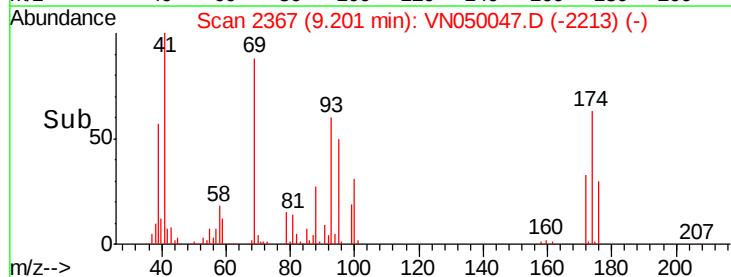
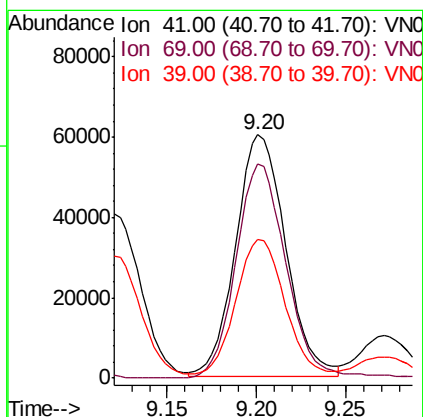
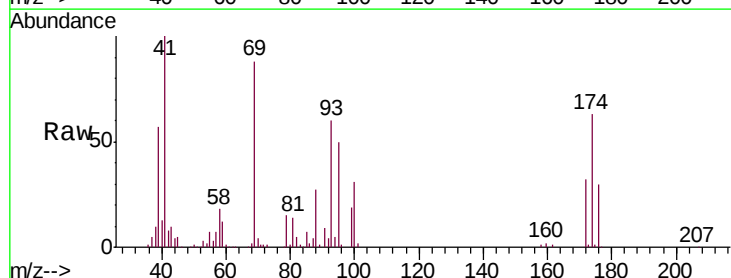
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

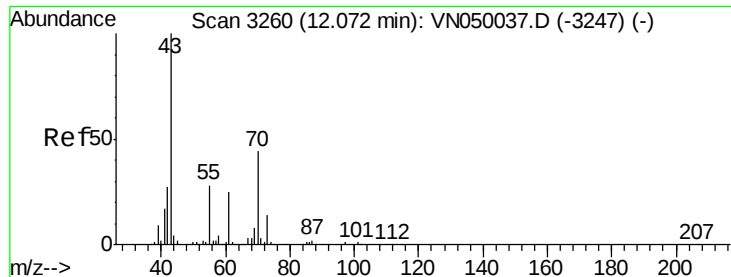
Tot Ion: 88 Resp: 32137
 Ion Ratio Lower Upper
 88 100
 43 31.7 26.9 40.3
 58 71.9 53.6 80.4



#46
 Methyl methacrylate
 Concen: 19.94 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion: 41 Resp: 118284
 Ion Ratio Lower Upper
 41 100
 69 89.1 44.0 132.1
 39 56.7 27.0 80.8

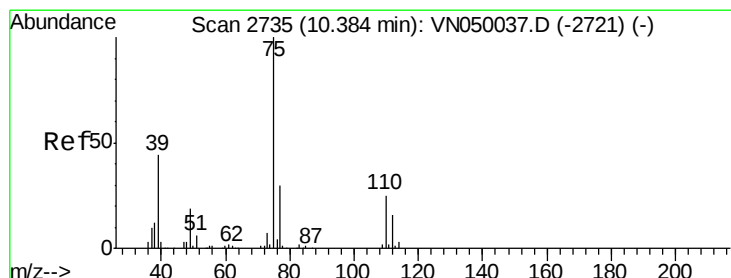
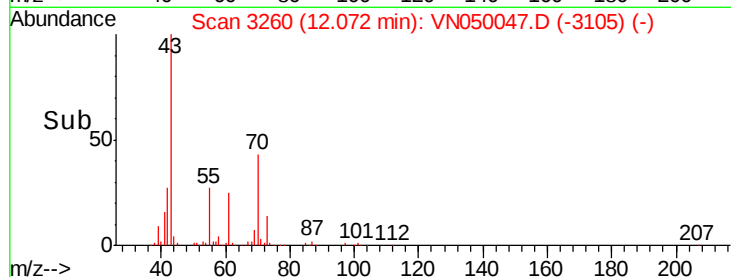
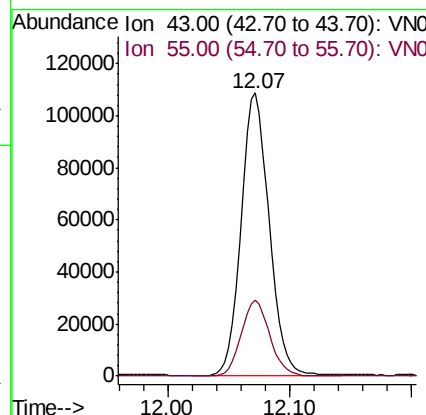
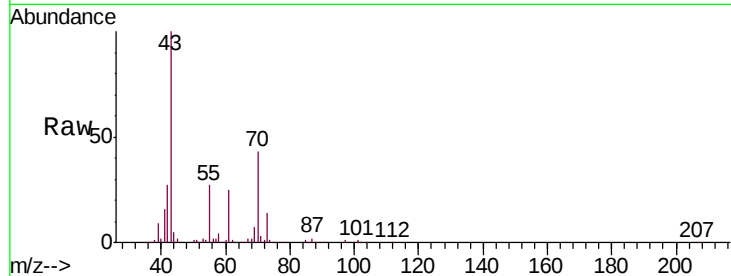




#47
n-amyl Acetate
Concen: 18.06 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

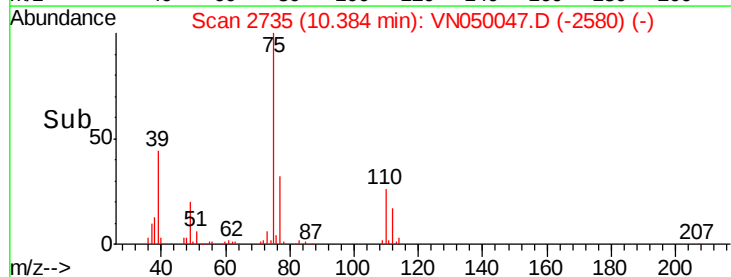
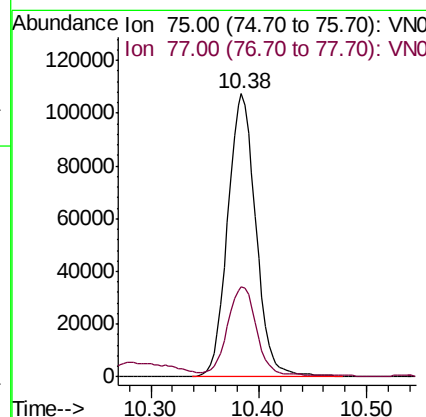
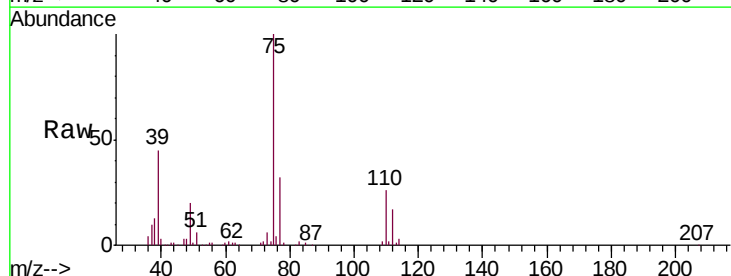
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

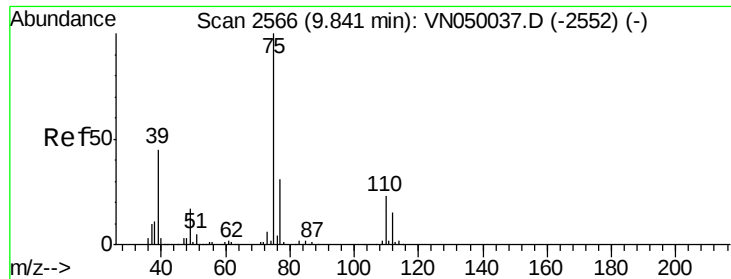
Tot Ion: 43 Resp: 171962
Ion Ratio Lower Upper
43 100
55 27.2 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 18.77 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 75 Resp: 195602
Ion Ratio Lower Upper
75 100
77 31.2 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.42 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

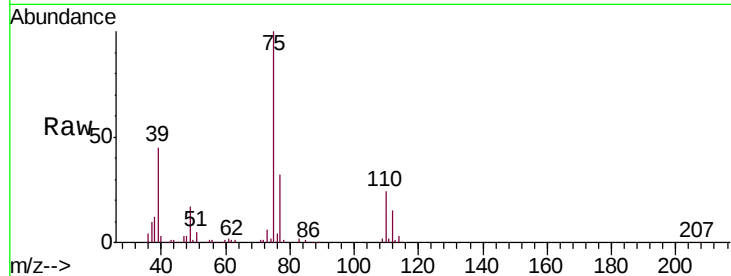
Tot Ion: 75 Resp: 228624

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

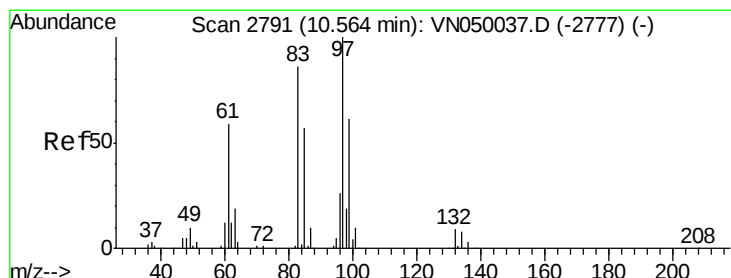
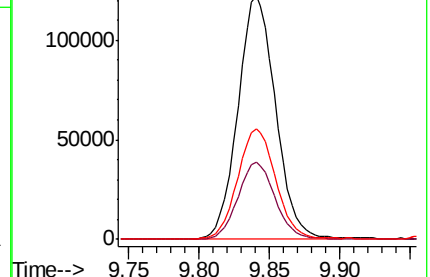
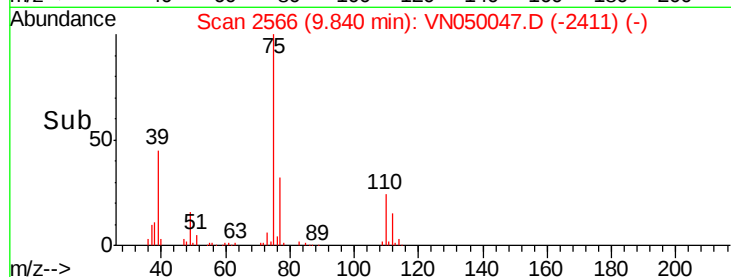
39 45.0 36.3 54.5



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-2552) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-2552) (-)

Ion 39.00 (38.70 to 39.70): VN050037.D (-2552) (-)



#50

1,1,2-Trichloroethane

Concen: 19.69 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Tgt Ion: 97 Resp: 140830

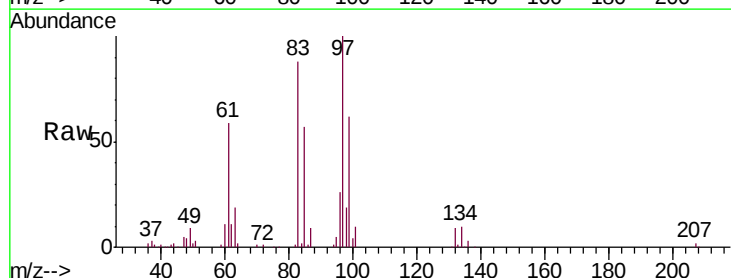
Ion Ratio Lower Upper

97 100

83 88.4 68.1 102.1

85 56.6 45.4 68.2

99 62.2 49.4 74.0

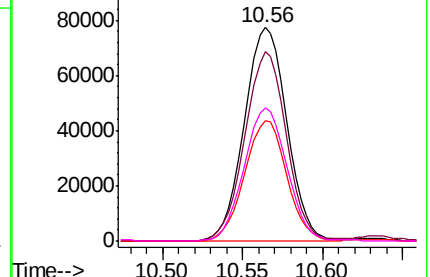
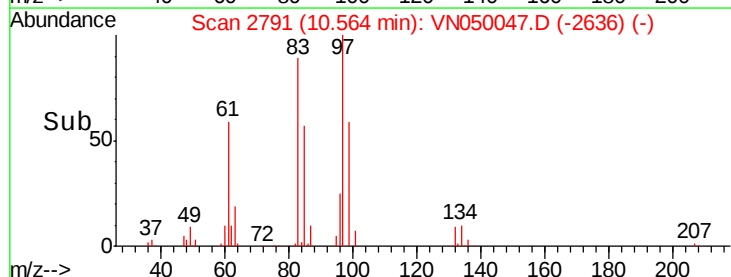


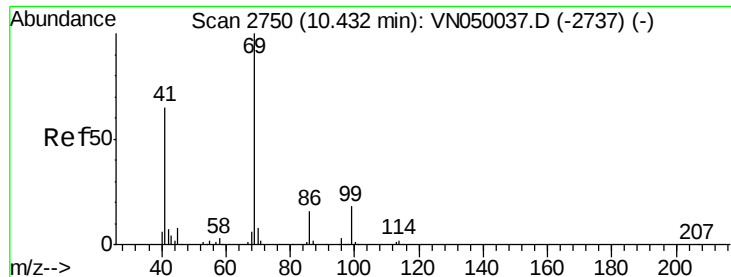
Abundance Ion 97.00 (96.70 to 97.70): VN050037.D (-2777) (-)

Ion 82.95 (82.65 to 83.65): VN050037.D (-2777) (-)

Ion 84.95 (84.65 to 85.65): VN050037.D (-2777) (-)

Ion 98.95 (98.65 to 99.65): VN050037.D (-2777) (-)





#51

Ethyl methacrylate

Concen: 18.76 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

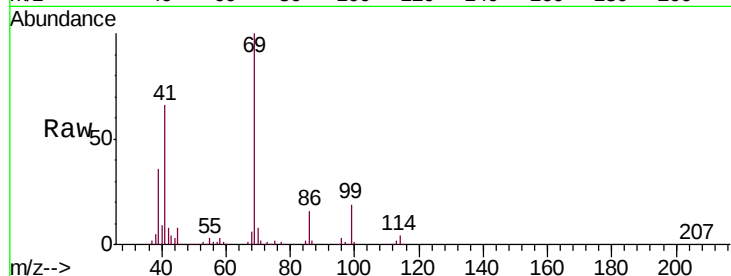
Tot Ion: 69 Resp: 162891

Ion	Ratio	Lower	Upper
69	100		
41	65.3	31.9	95.9
39	35.6	16.7	50.1

69 100

41 65.3 31.9 95.9

39 35.6 16.7 50.1

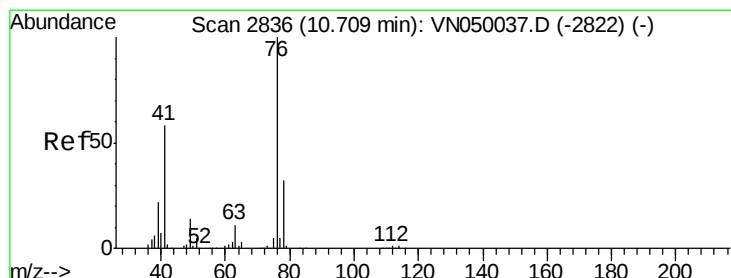
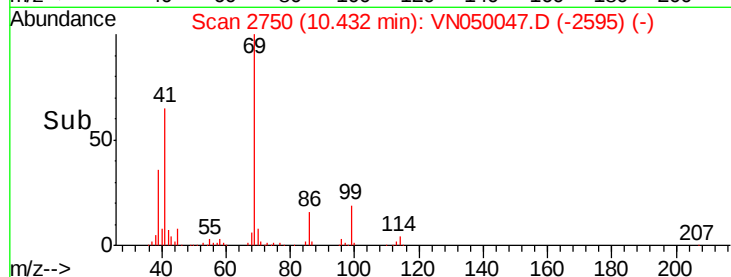
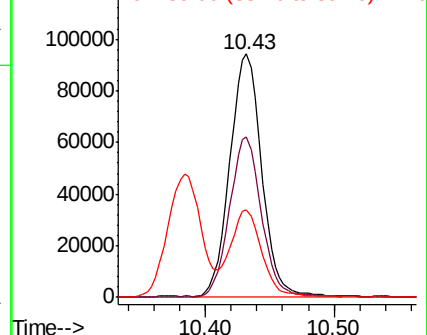


Abundance

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: 19.66 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050047.D

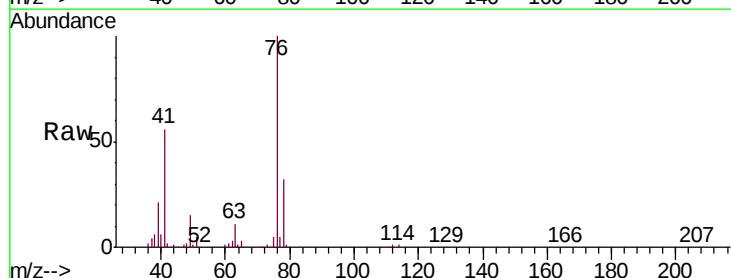
Acq: 25 Jul 2018 15:56

Tgt Ion: 76 Resp: 230943

Ion	Ratio	Lower	Upper
76	100		
78	31.2	0.0	65.6

76 100

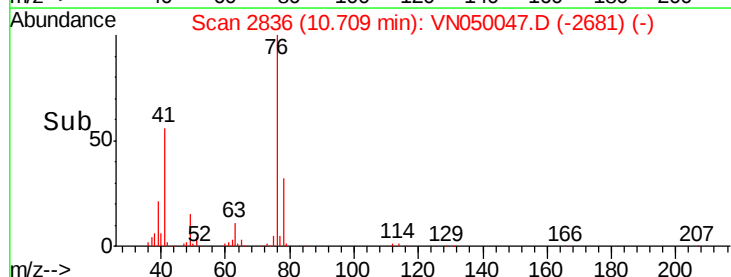
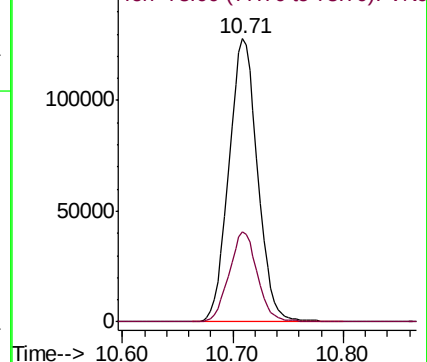
78 31.2 0.0 65.6

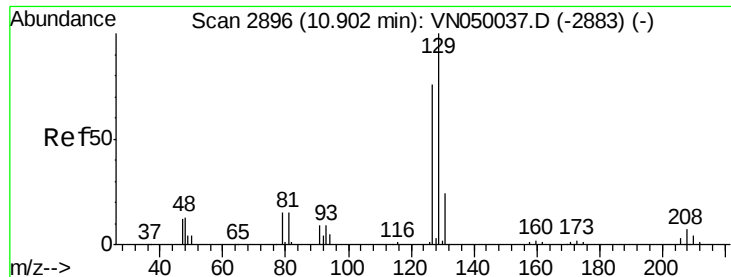


Abundance

Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 19.13 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

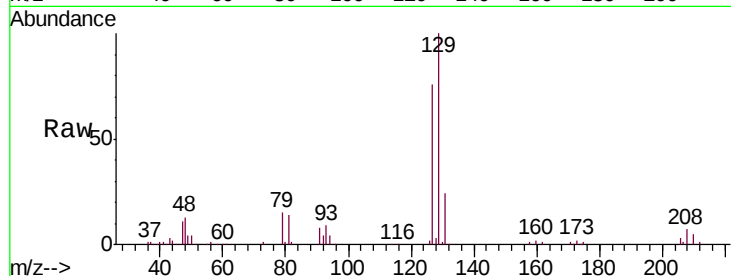
VSTDCCC020EC

Tot Ion:129 Resp: 155318

Ion Ratio Lower Upper

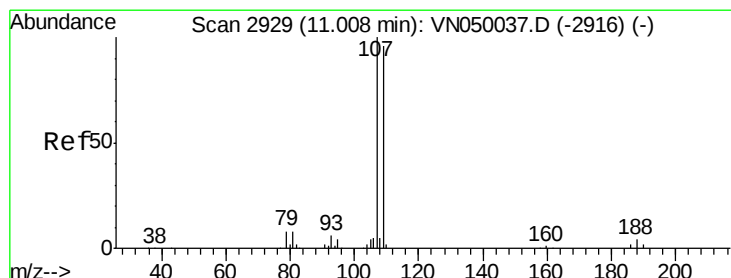
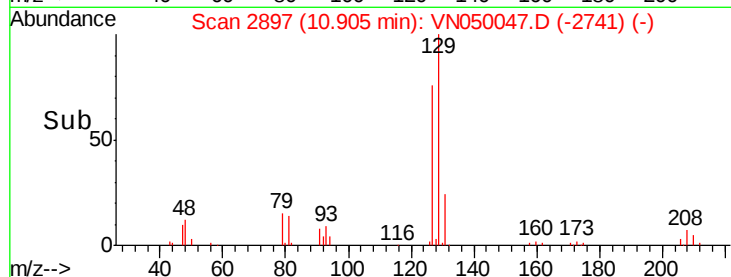
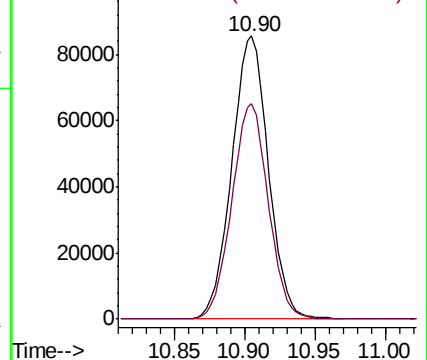
129 100

127 75.8 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: 19.49 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050047.D

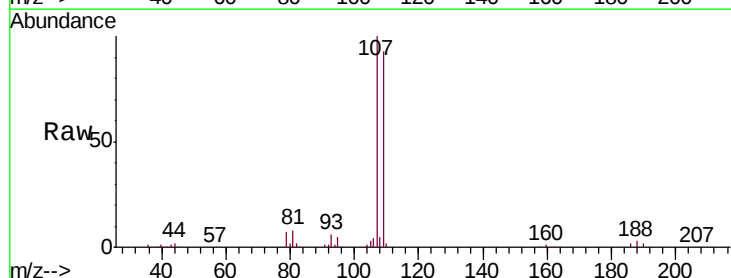
Acq: 25 Jul 2018 15:56

Tgt Ion:107 Resp: 136556

Ion Ratio Lower Upper

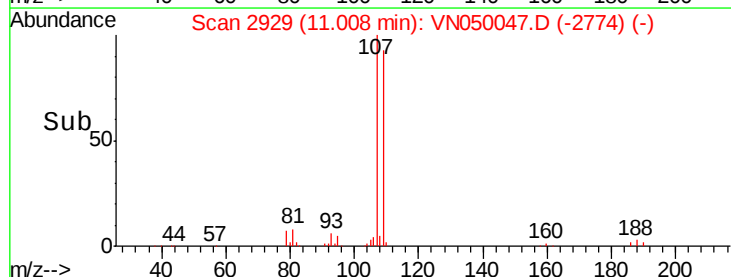
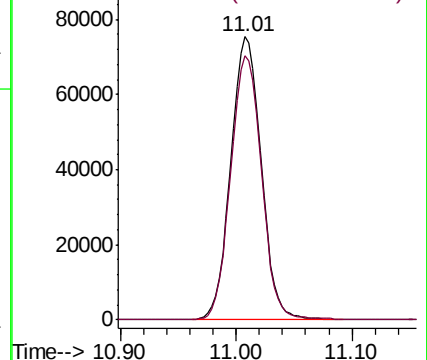
107 100

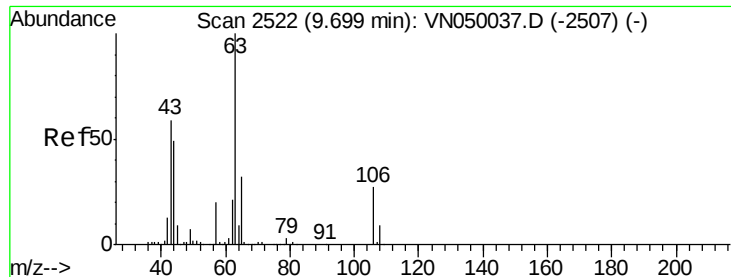
109 94.7 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

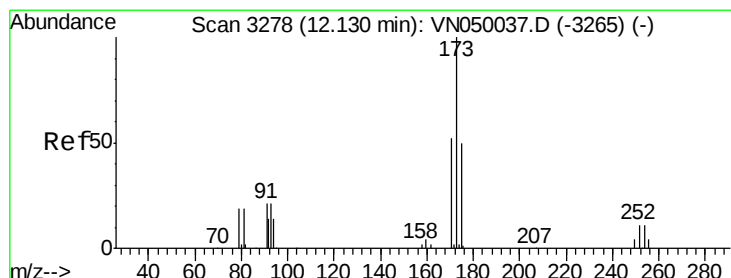
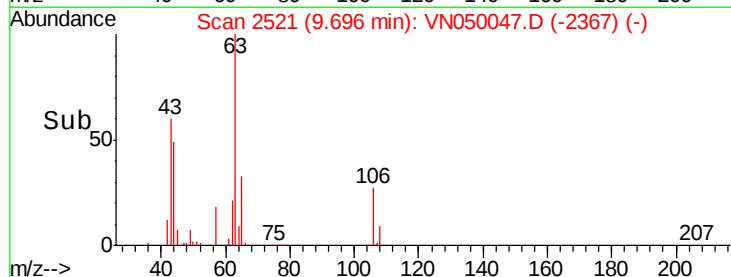
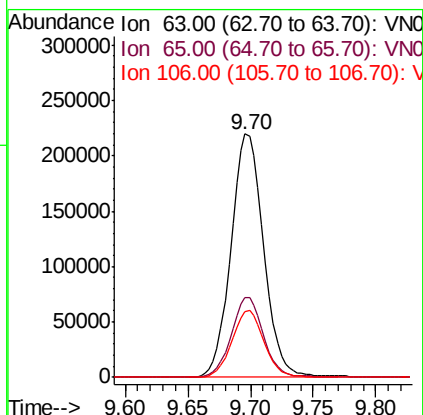
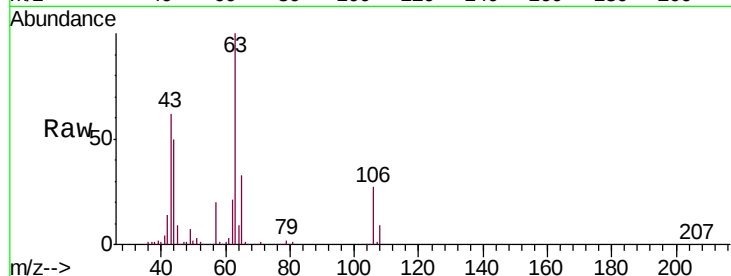




#55
2-Chloroethyl vinyl ether
Concen: 101.20 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

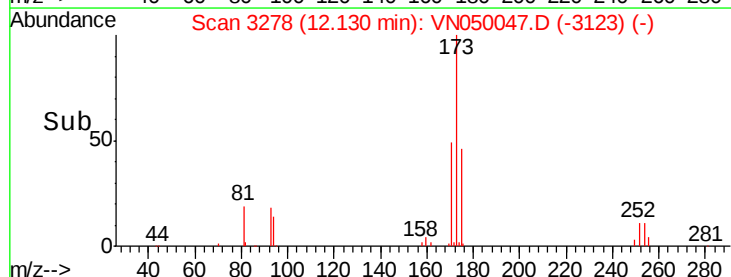
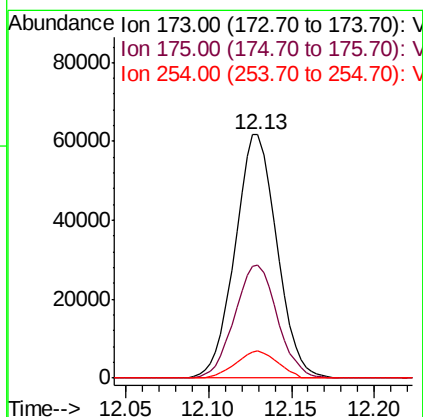
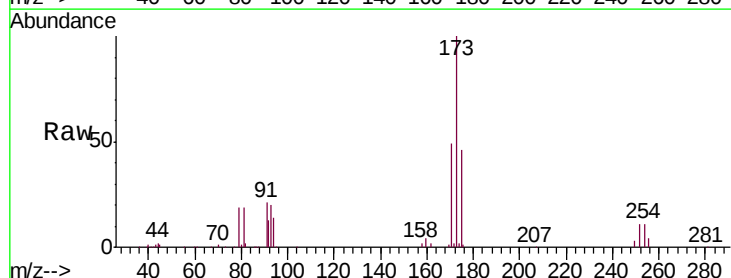
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

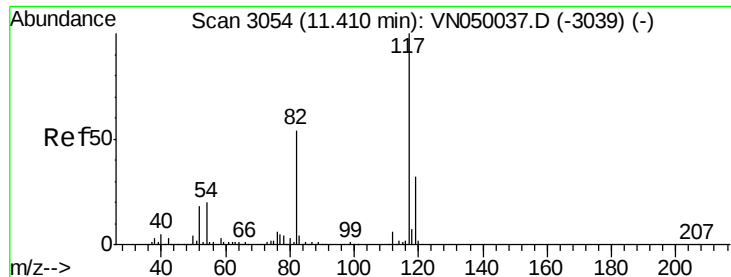
Tot Ion: 63 Resp: 397675
Ion Ratio Lower Upper
63 100
65 32.3 25.5 38.3
106 27.0 21.8 32.6



#56
Bromoform
Concen: 18.91 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 173 Resp: 108388
Ion Ratio Lower Upper
173 100
175 47.2 38.6 57.8
254 11.0 8.8 13.2

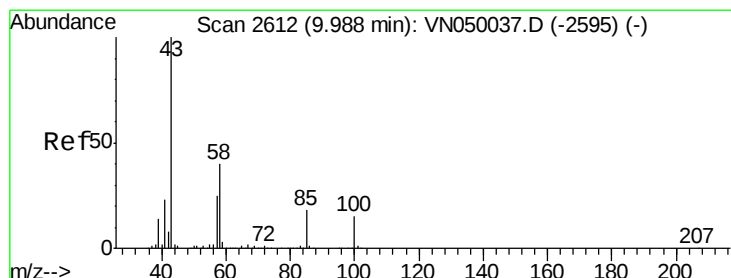
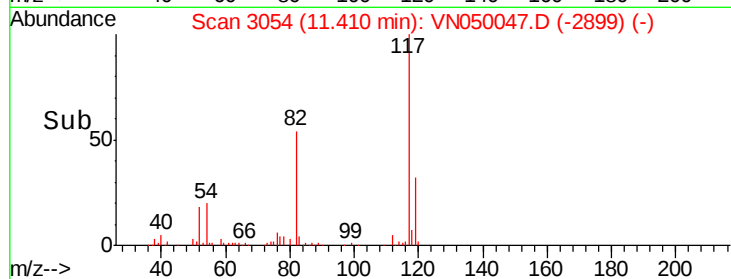
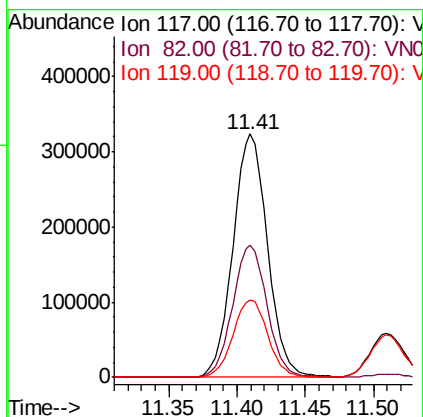
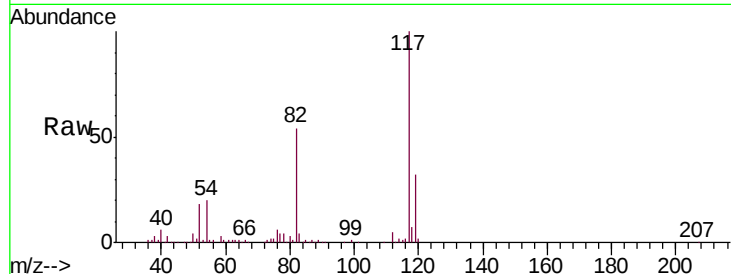




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

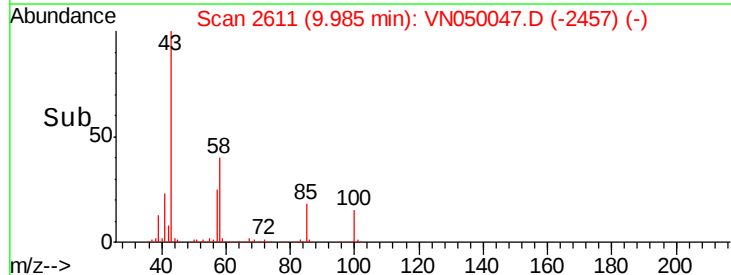
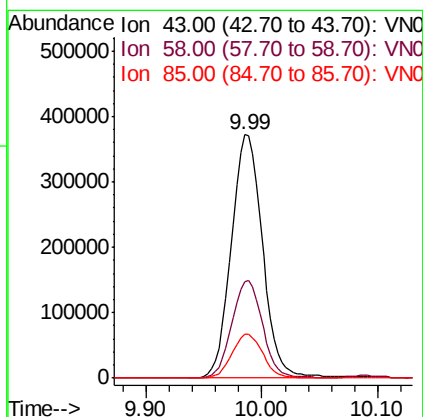
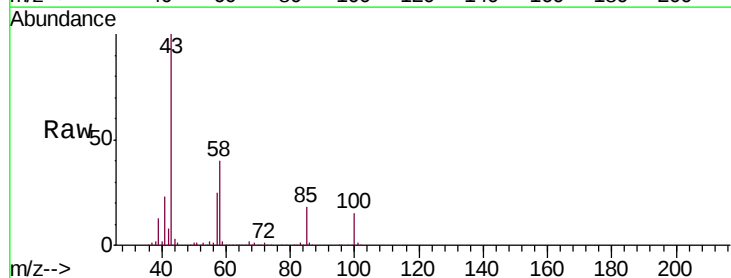
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

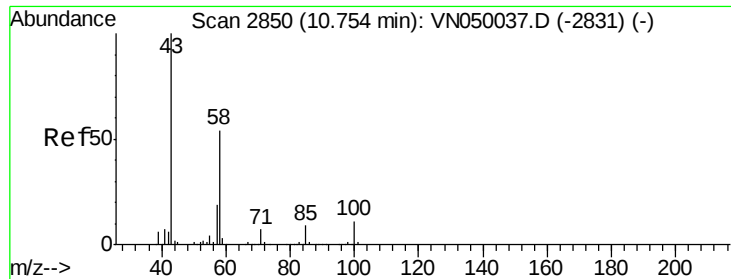
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	42.4	63.6
119	32.3	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 104.35 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	18.1	14.4	21.6

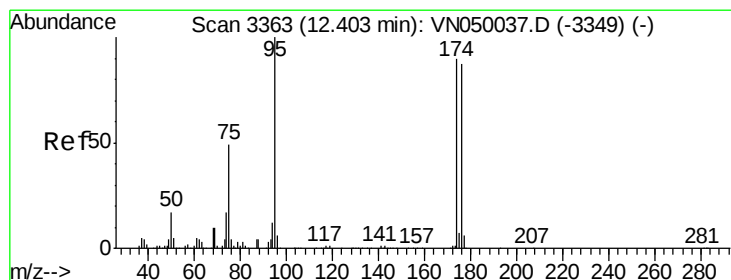
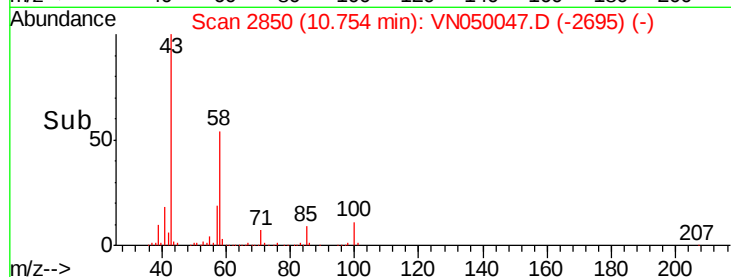
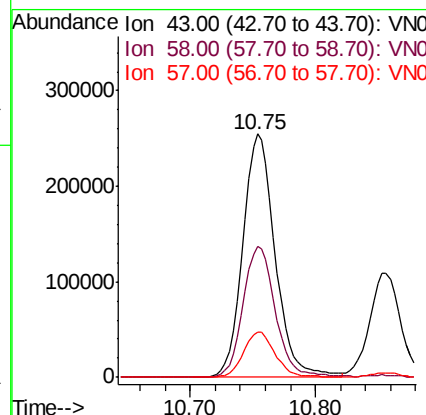
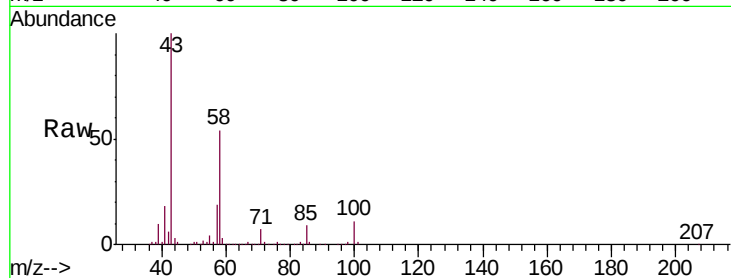




#59
2-Hexanone
Concen: 100.46 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

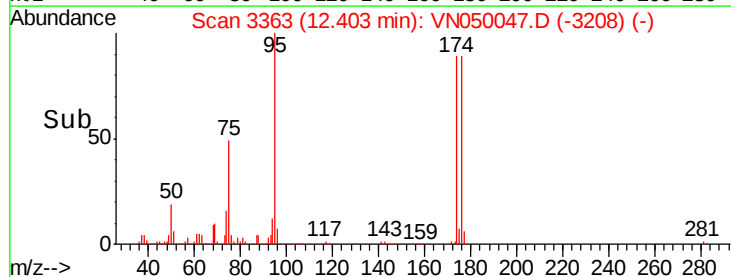
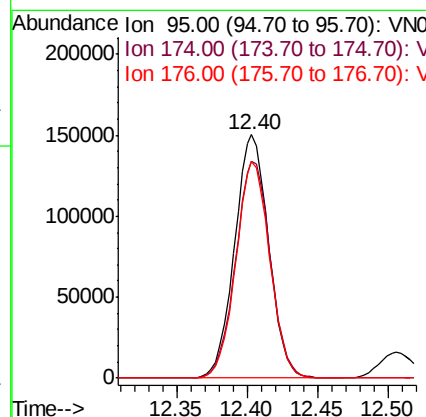
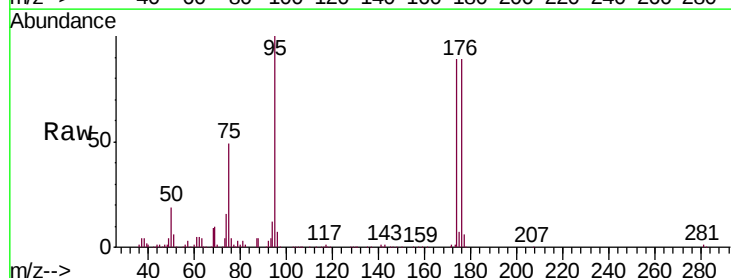
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

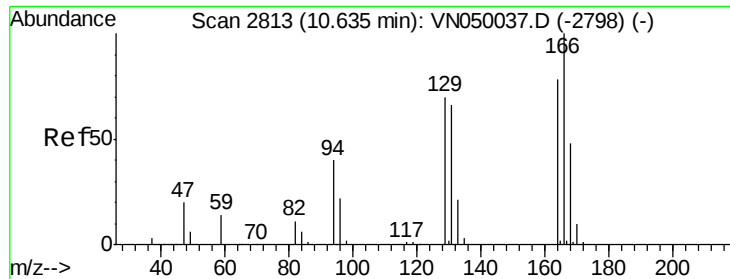
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.3	43.8	65.8
57	18.6	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 29.06 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.0	72.3	108.5
176	88.6	70.0	105.0





#61

Tetrachloroethene

Concen: 19.41 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 149399

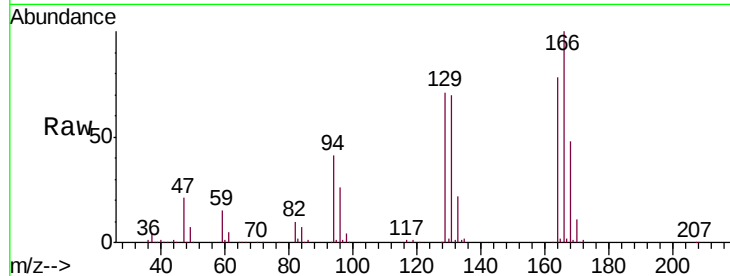
Ion Ratio Lower Upper

164 100

166 127.9 100.0 150.0

129 90.8 69.3 103.9

131 89.1 68.8 103.2

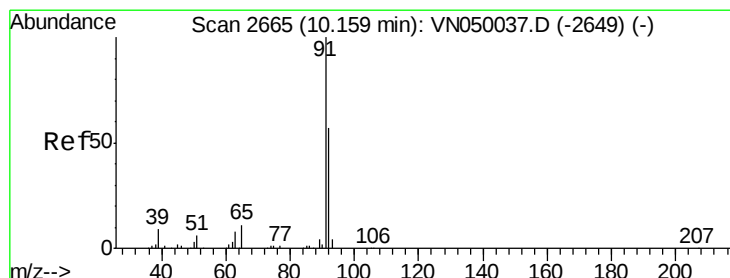
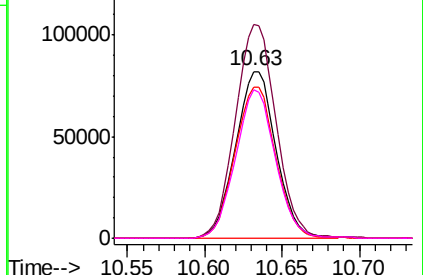
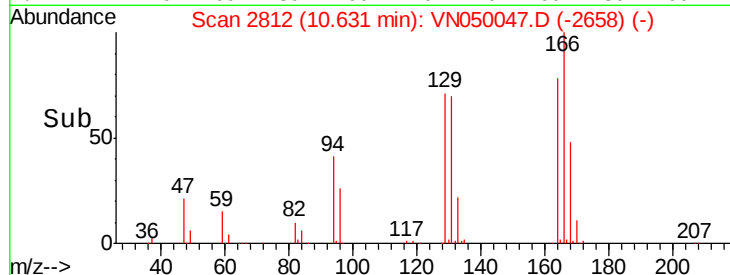


Abundance Ion 163.85 (163.55 to 164.55): V

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: VN050047.D

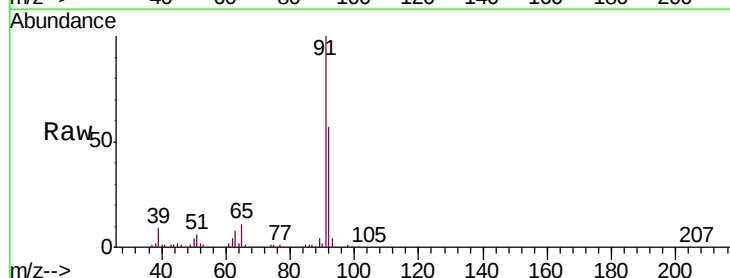
Acq: 25 Jul 2018 15:56

Tgt Ion: 91 Resp: 626484

Ion Ratio Lower Upper

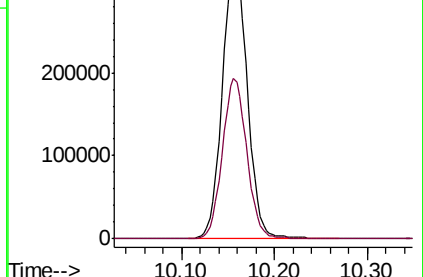
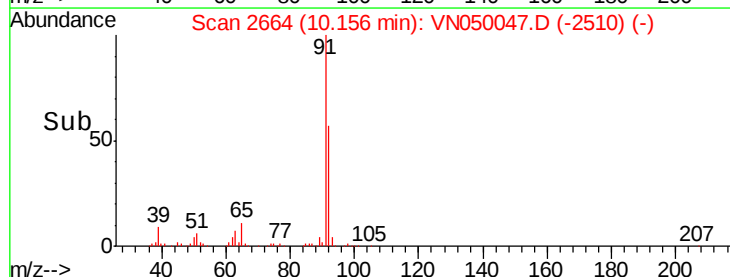
91 100

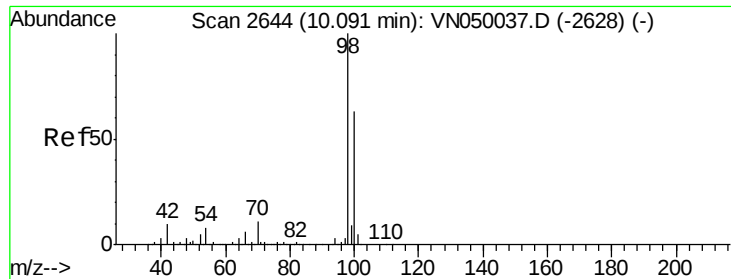
92 56.3 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.04 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

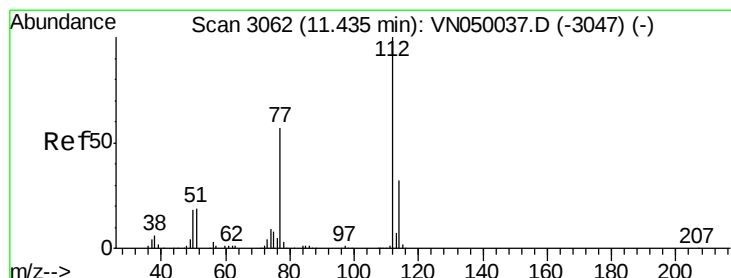
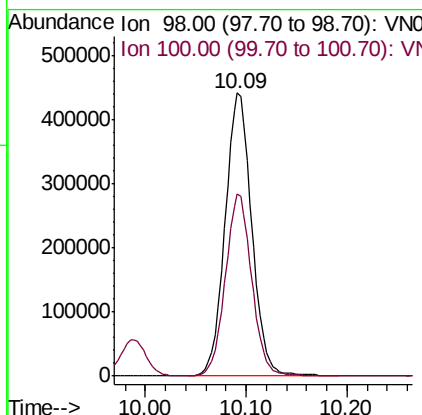
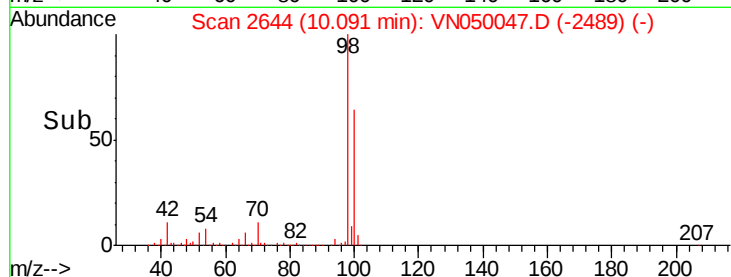
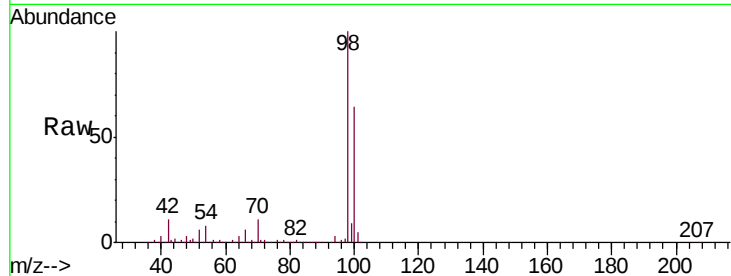
VSTDCCC020EC

Tot Ion: 98 Resp: 815237

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#64

Chlorobenzene

Concen: 19.30 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050047.D

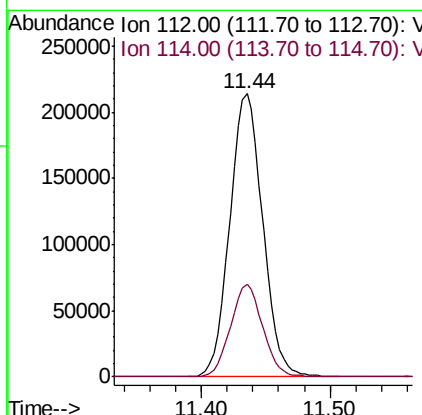
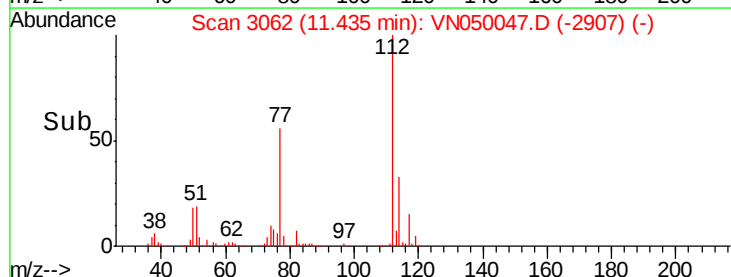
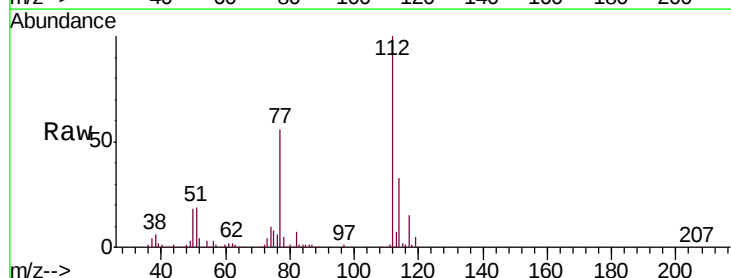
Acq: 25 Jul 2018 15:56

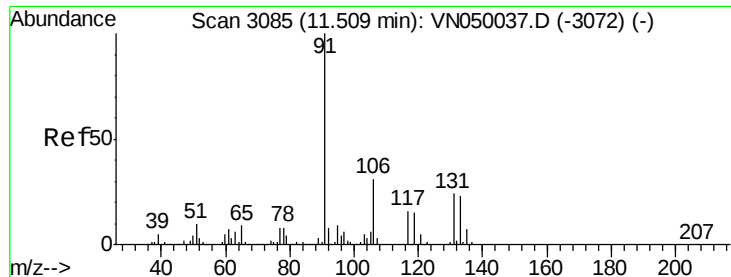
Tgt Ion: 112 Resp: 379324

Ion Ratio Lower Upper

112 100

114 32.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.46 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

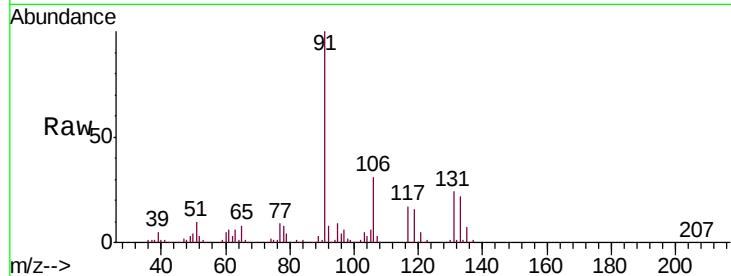
Tot Ion:131 Resp: 149193

Ion Ratio Lower Upper

131 100

133 94.1 0.0 190.0

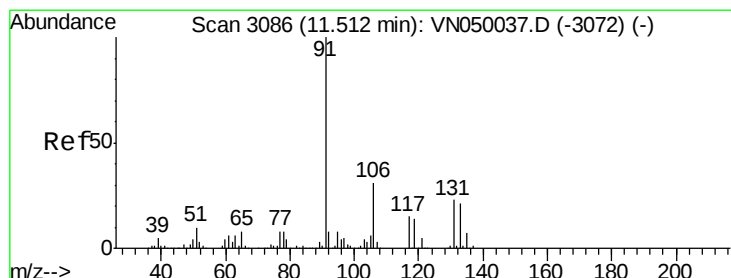
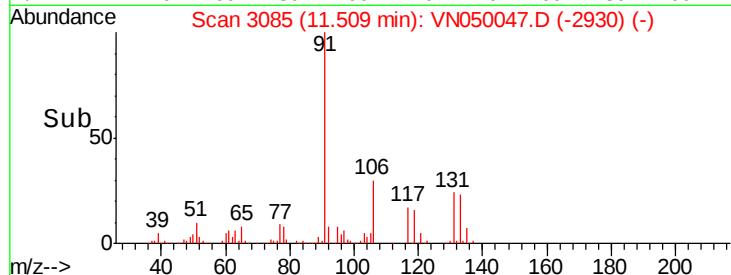
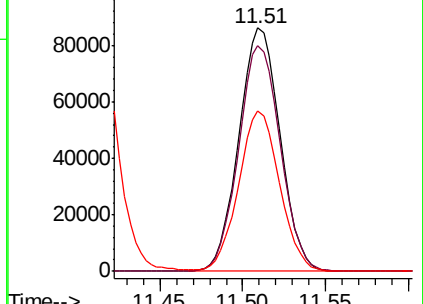
119 65.6 0.0 131.6



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: 18.94 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050047.D

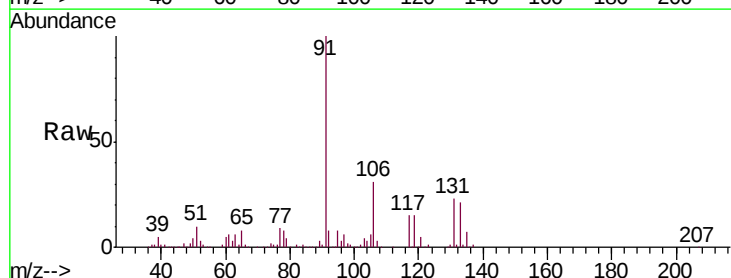
Acq: 25 Jul 2018 15:56

Tgt Ion: 91 Resp: 627419

Ion Ratio Lower Upper

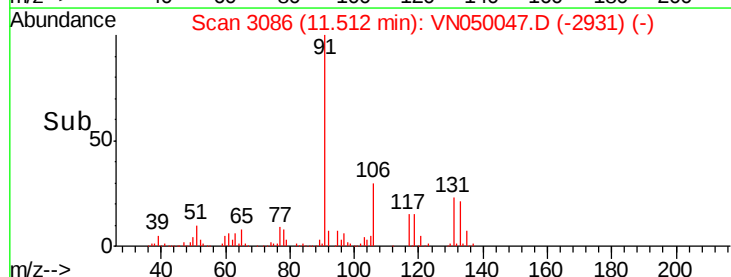
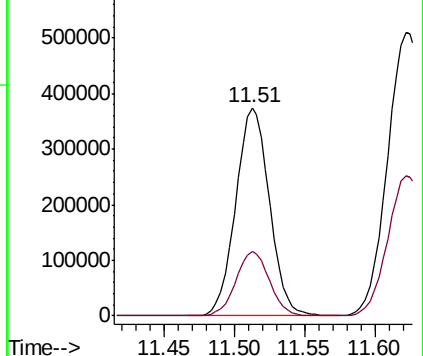
91 100

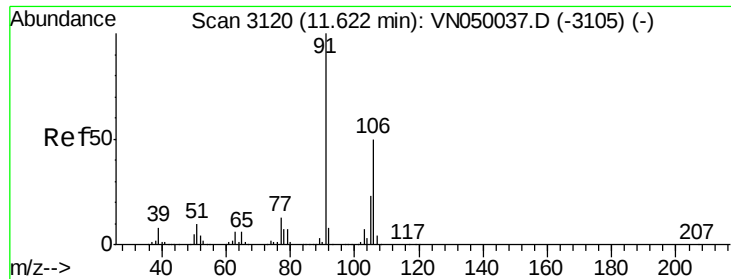
106 30.8 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 38.46 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampled :

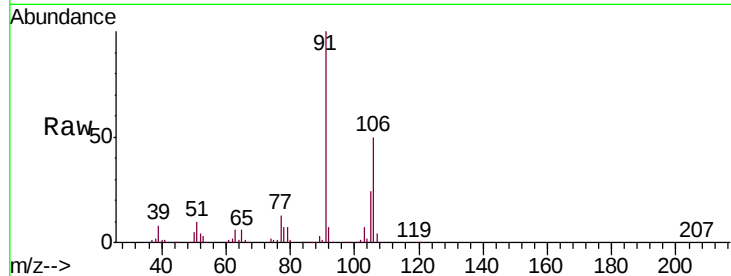
VSTDCCC020EC

Tot Ion:106 Resp: 490398

Ion Ratio Lower Upper

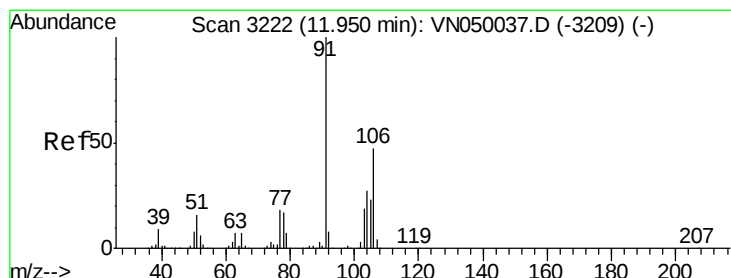
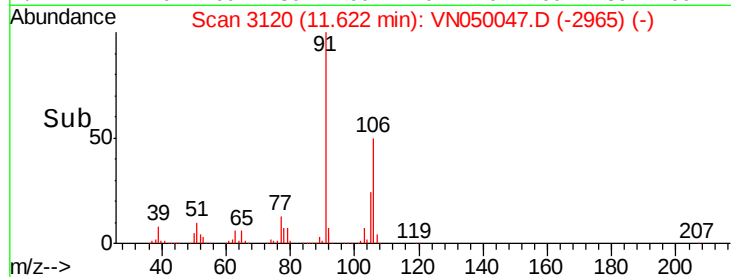
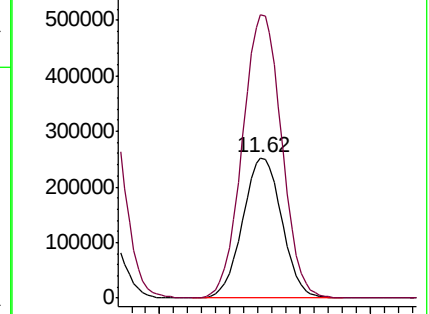
106 100

91 202.5 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 18.89 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050047.D

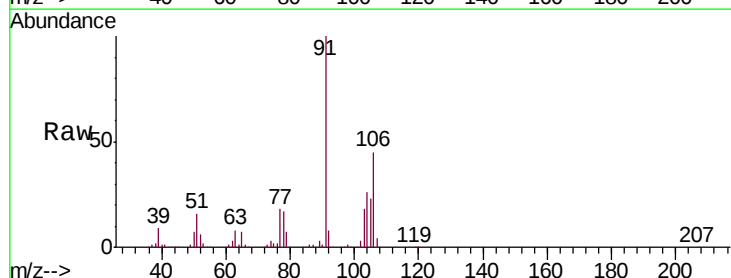
Acq: 25 Jul 2018 15:56

Tgt Ion:106 Resp: 229196

Ion Ratio Lower Upper

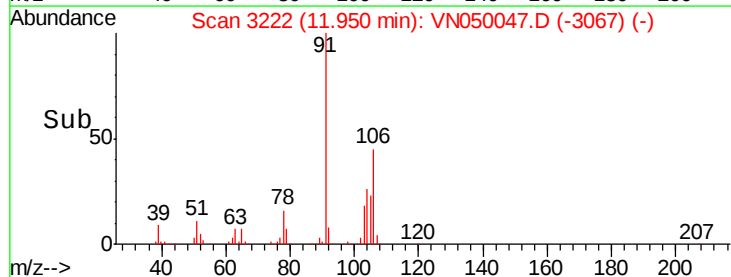
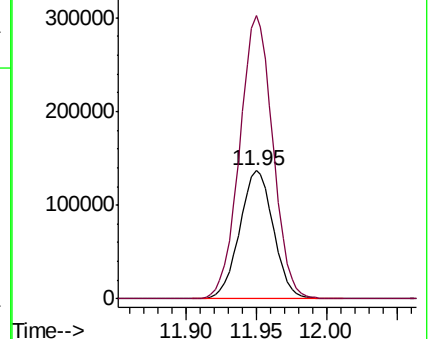
106 100

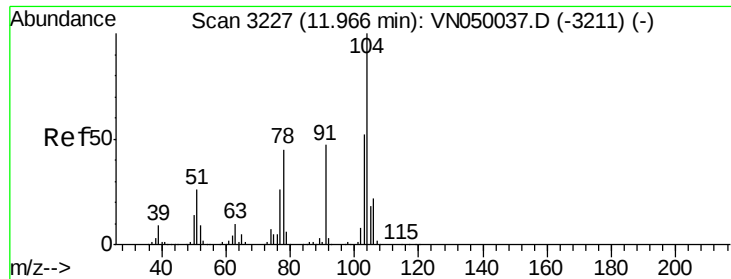
91 217.4 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

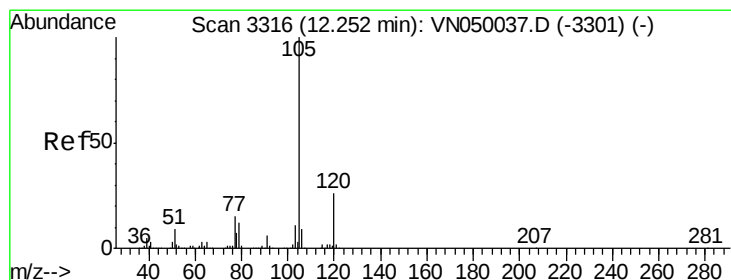
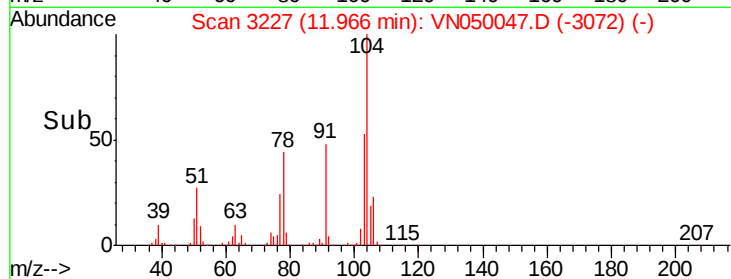
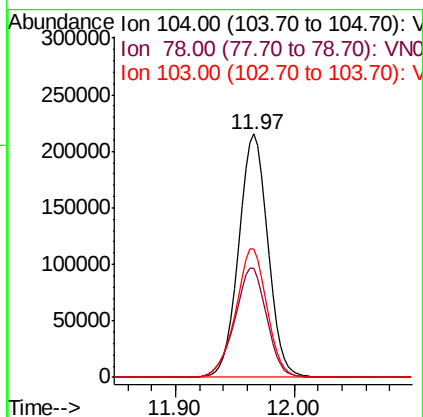
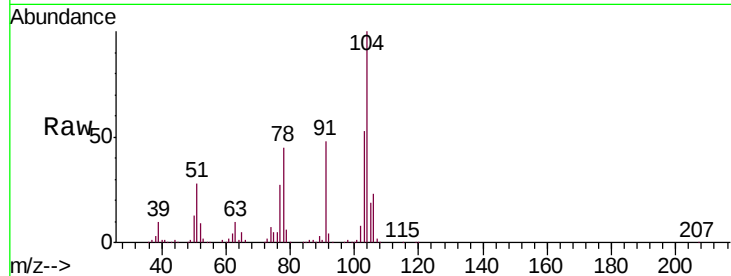




#69
Stvrene
Concen: 18.87 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

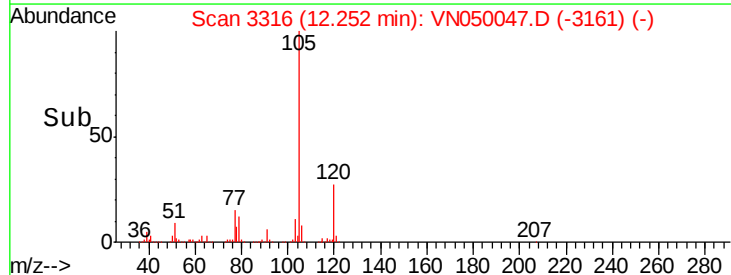
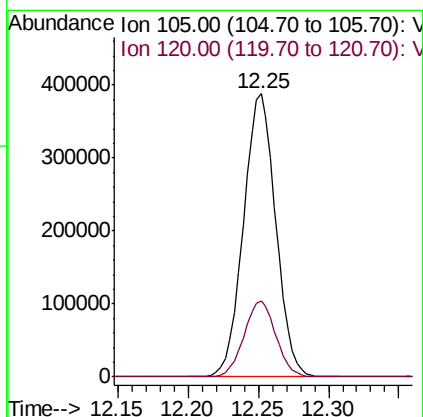
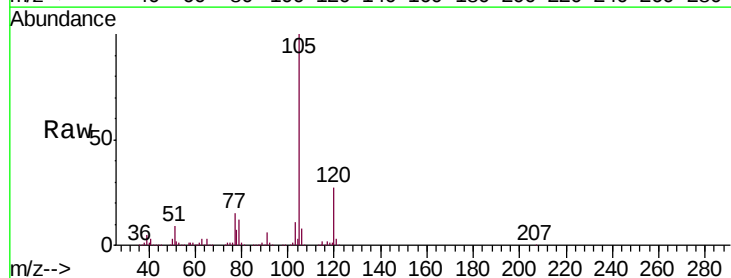
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

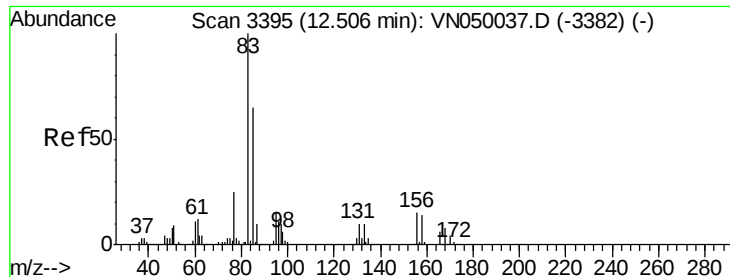
Tot Ion:104 Resp: 366983
Ion Ratio Lower Upper
104 100
78 49.2 39.3 58.9
103 56.5 44.5 66.7



#70
Isopropylbenzene
Concen: 19.26 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion:105 Resp: 622258
Ion Ratio Lower Upper
105 100
120 26.6 18.9 35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.84 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

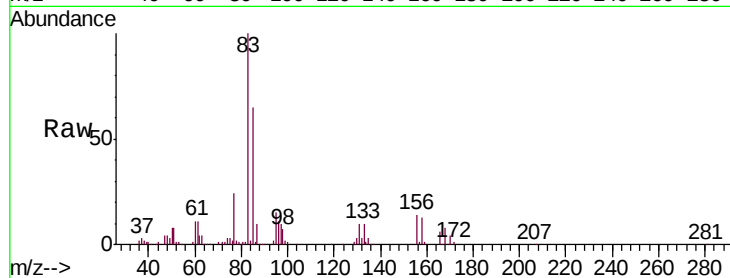
Tot Ion: 83 Resp: 175969

Ion Ratio Lower Upper

83 100

131 10.4 5.2 15.6

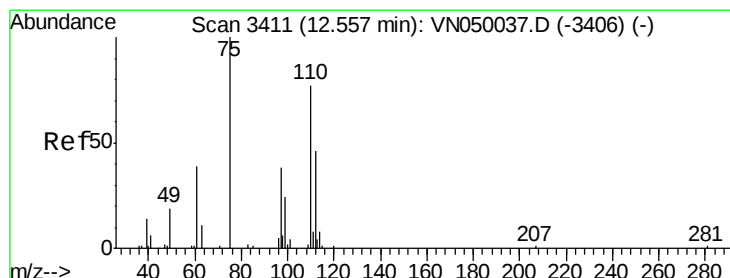
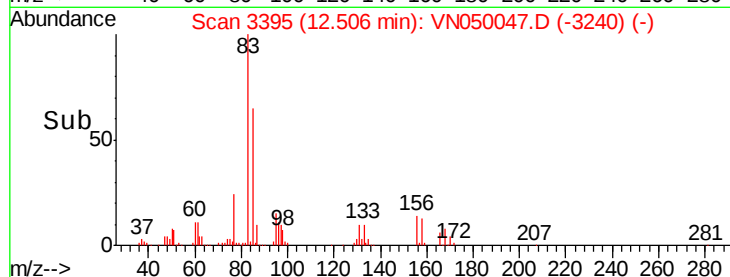
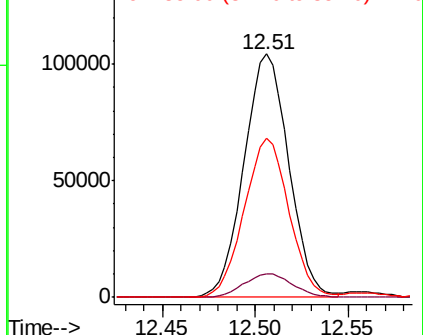
85 65.2 31.7 95.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 28.66 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050047.D

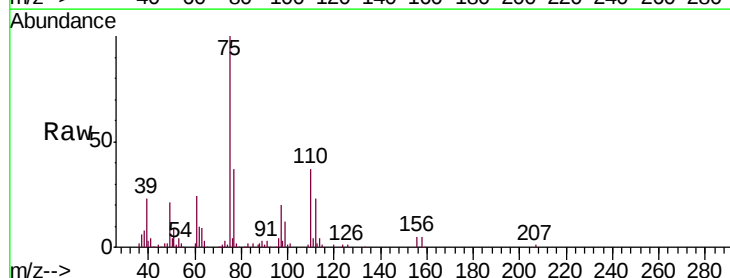
Acq: 25 Jul 2018 15:56

Tgt Ion: 75 Resp: 209640

Ion Ratio Lower Upper

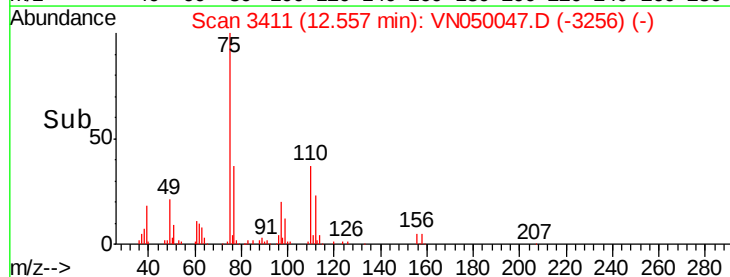
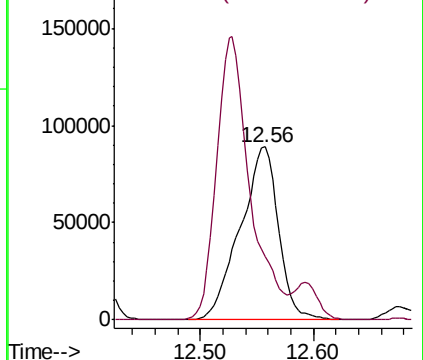
75 100

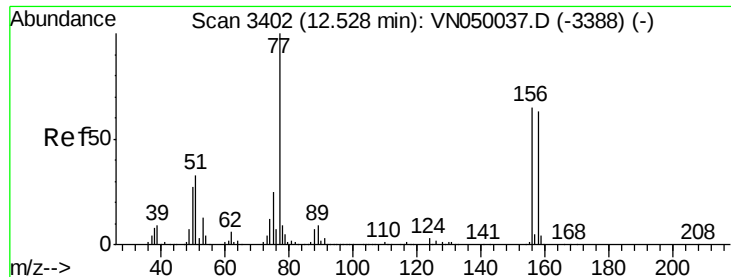
77 142.8 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.11 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

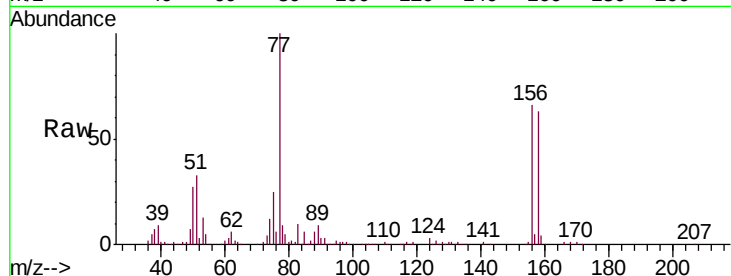
Tot Ion:156 Resp: 164456

Ion Ratio Lower Upper

156 100

77 182.0 0.0 359.8

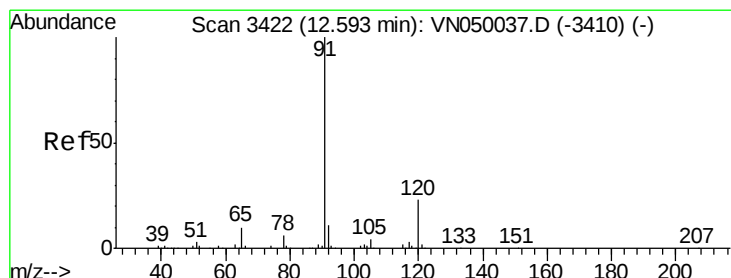
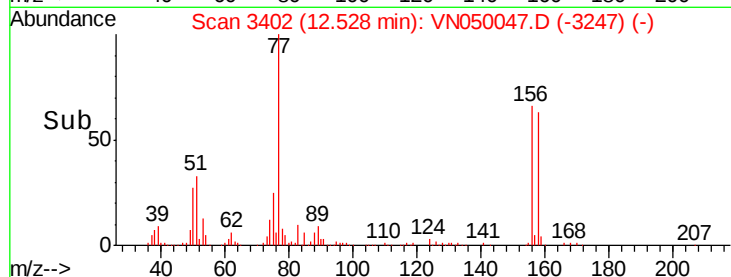
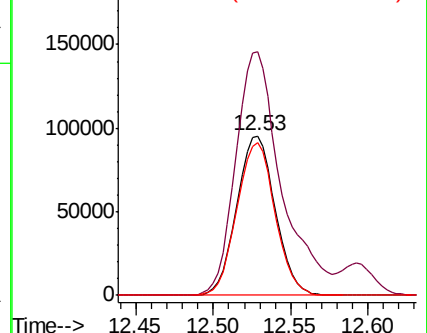
158 95.2 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.82 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050047.D

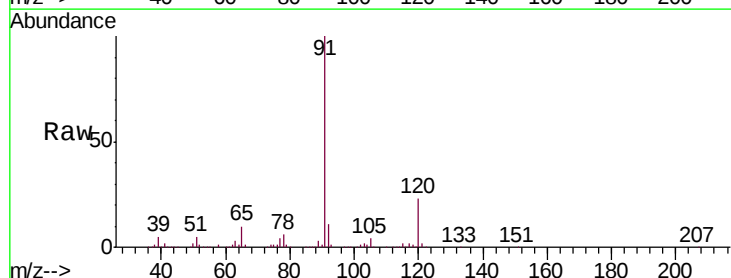
Acq: 25 Jul 2018 15:56

Tgt Ion: 91 Resp: 708017

Ion Ratio Lower Upper

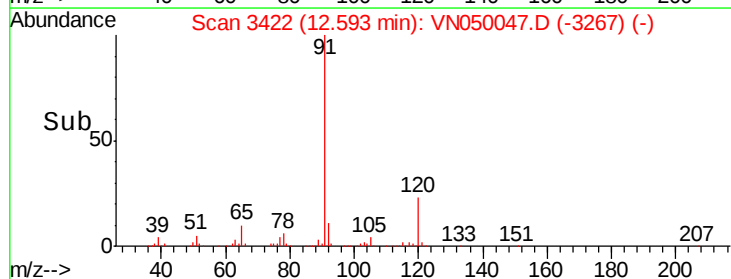
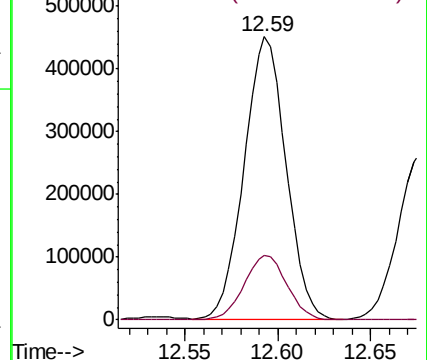
91 100

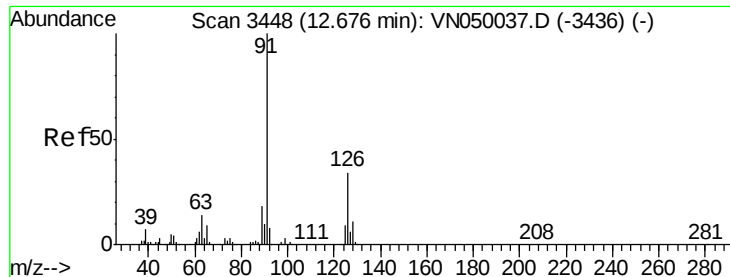
120 23.0 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

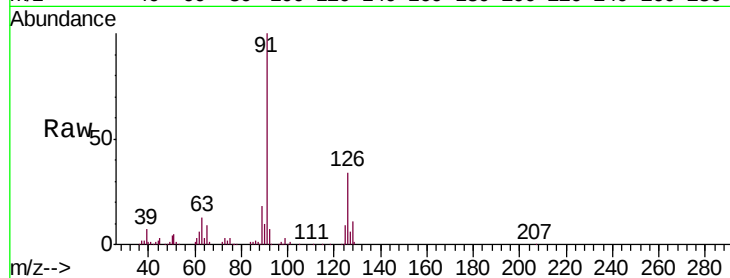
VSTDCCC020EC

Tot Ion: 91 Resp: 436604

Ion Ratio Lower Upper

91 100

126 34.3 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)

500000

400000

300000

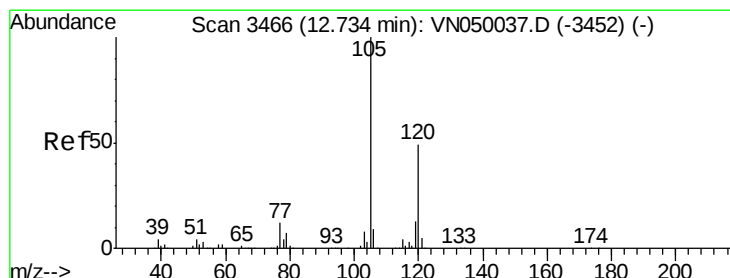
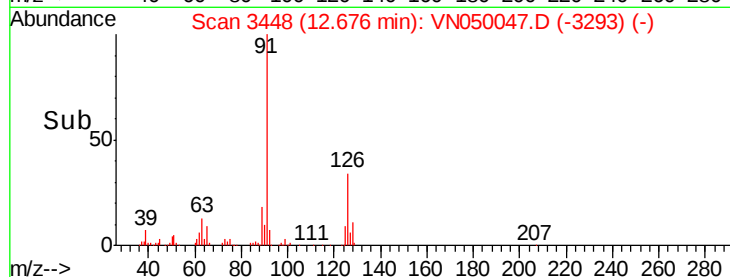
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050047.D

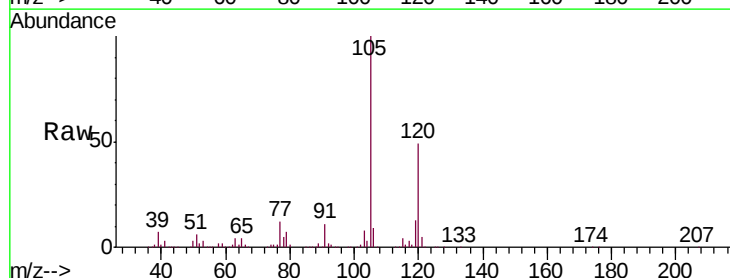
Acq: 25 Jul 2018 15:56

Tgt Ion: 105 Resp: 506591

Ion Ratio Lower Upper

105 100

120 49.5 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)

400000

300000

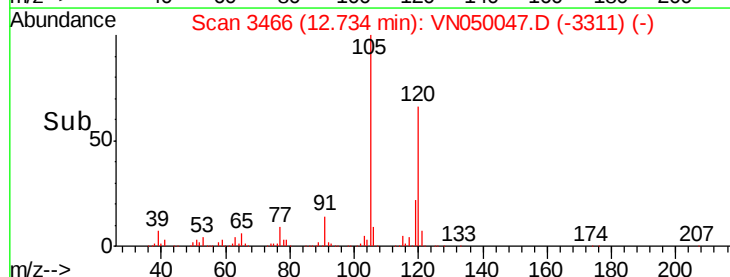
200000

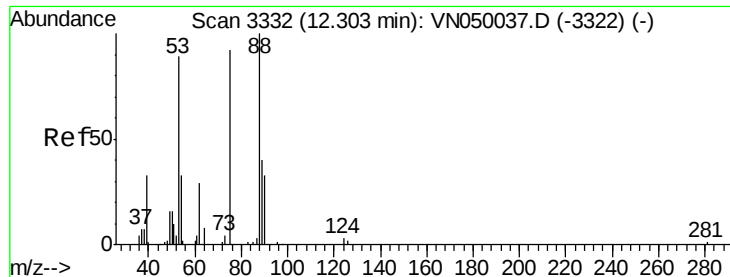
100000

0

12.65 12.70 12.75 12.80

Time-->

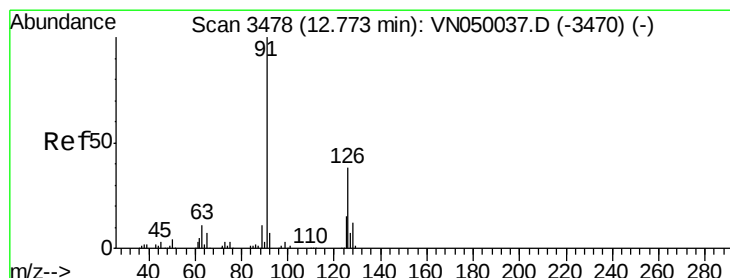
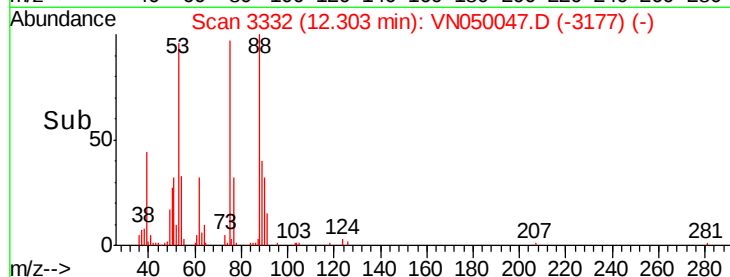
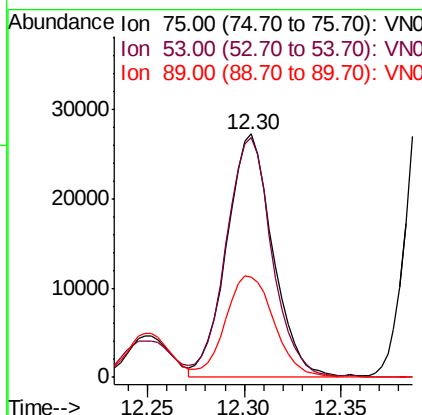
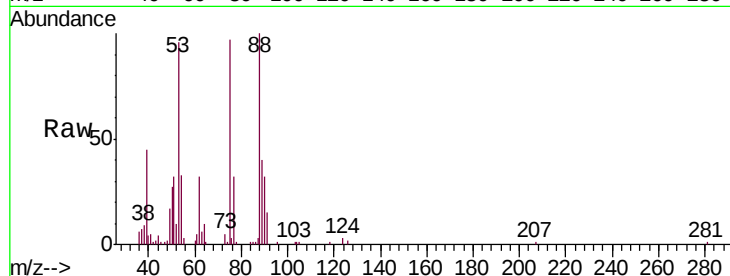




#77
t-1,4-Dichloro-2-butene
Concen: 18.23 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

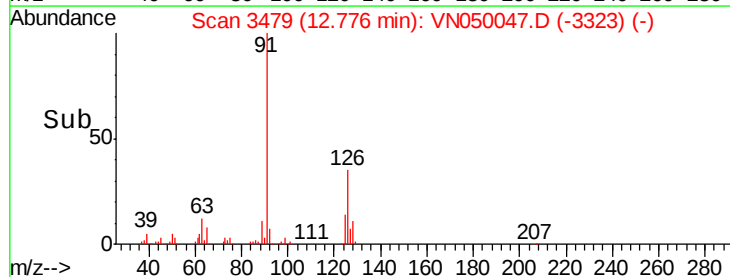
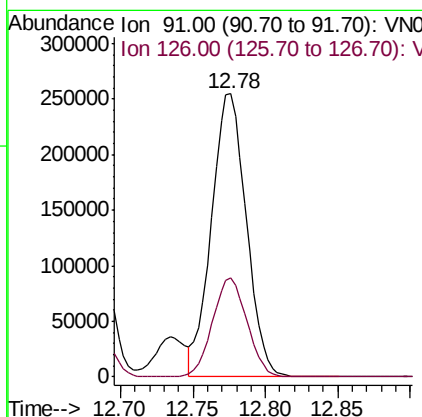
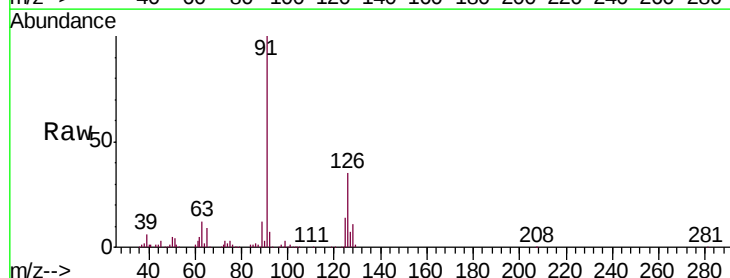
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

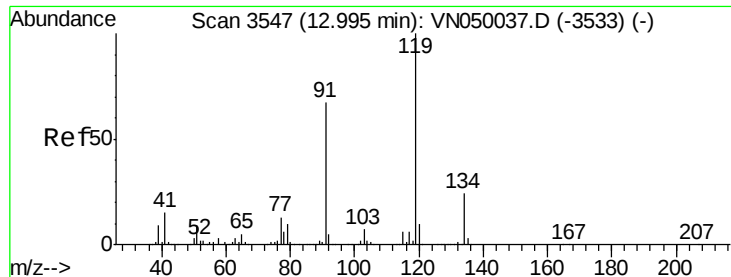
Tot Ion: 75 Resp: 45152
Ion Ratio Lower Upper
75 100
53 98.8 44.6 134.0
89 41.7 20.7 62.1



#78
4-Chlorotoluene
Concen: 18.91 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion: 91 Resp: 423575
Ion Ratio Lower Upper
91 100
126 34.8 0.0 68.4

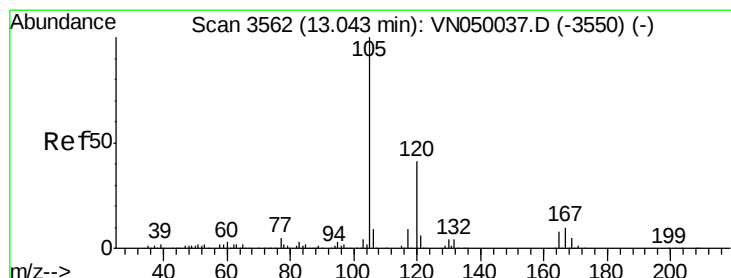
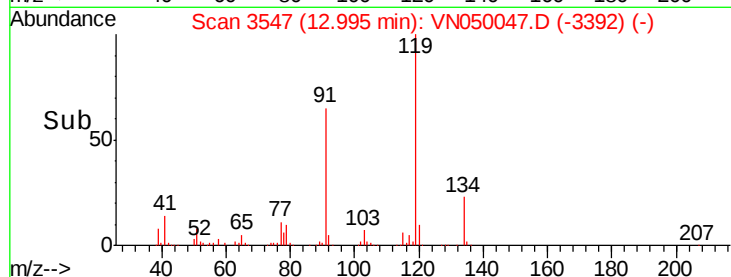
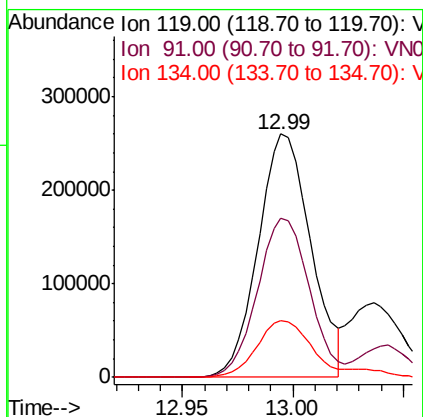
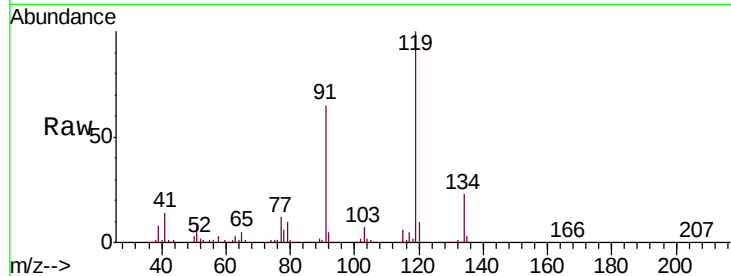




#79
tert-butylbenzene
Concen: 19.03 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

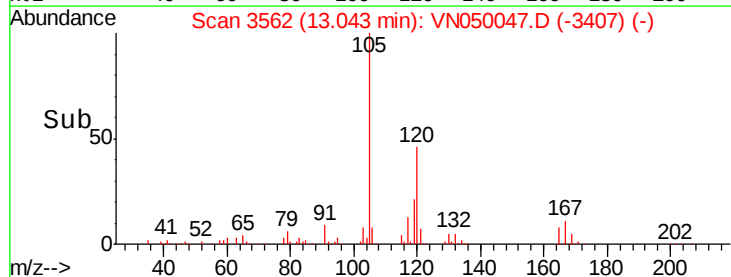
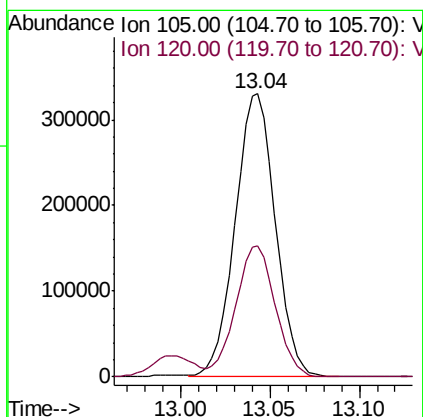
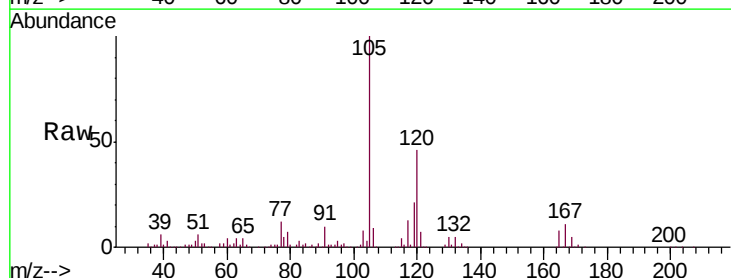
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

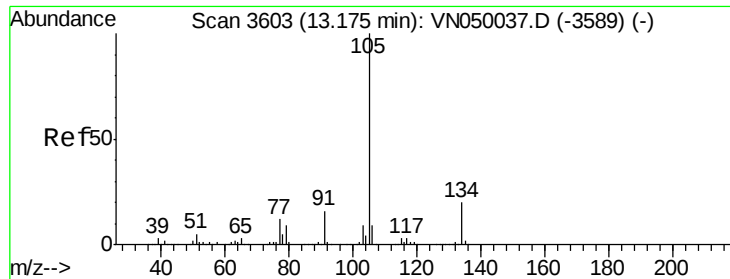
Tot Ion:119 Resp: 431613
Ion Ratio Lower Upper
119 100
91 64.4 0.0 126.8
134 24.1 0.0 47.4



#80
1,2,4-Trimethylbenzene
Concen: 19.30 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion:105 Resp: 518943
Ion Ratio Lower Upper
105 100
120 45.8 0.0 90.6

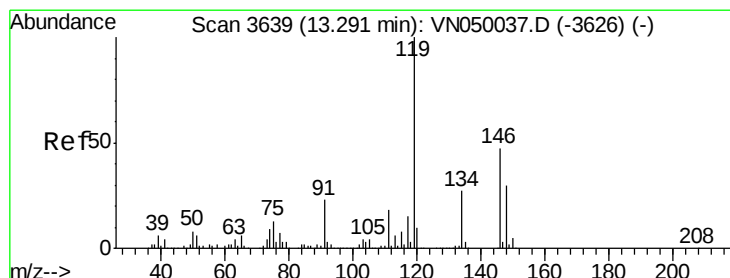
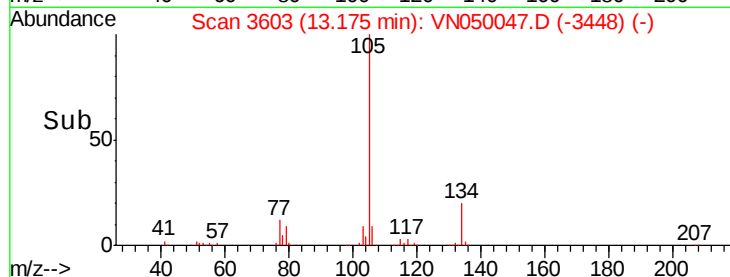
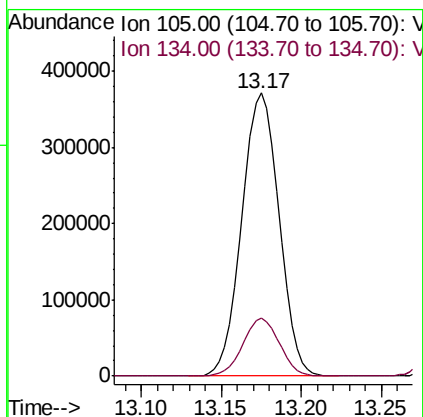
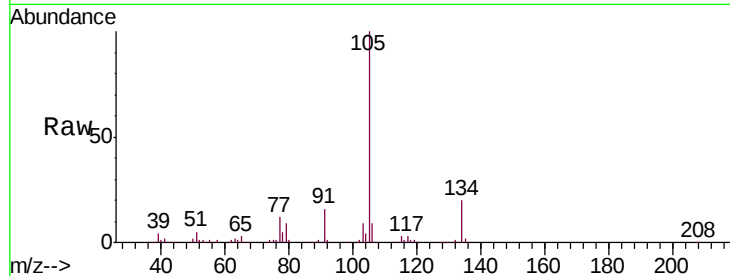




#81
 sec-Butylbenzene
 Concen: 19.09 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

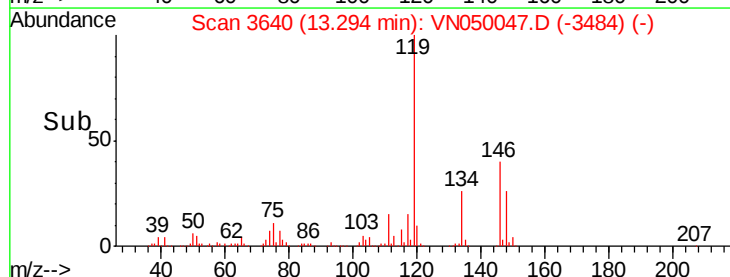
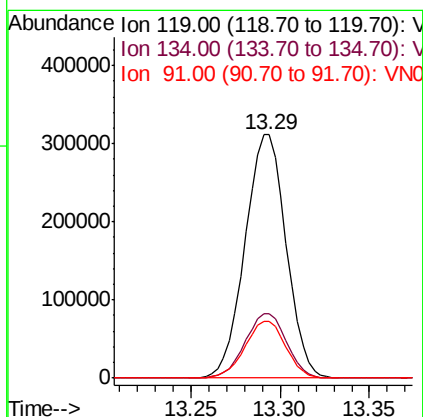
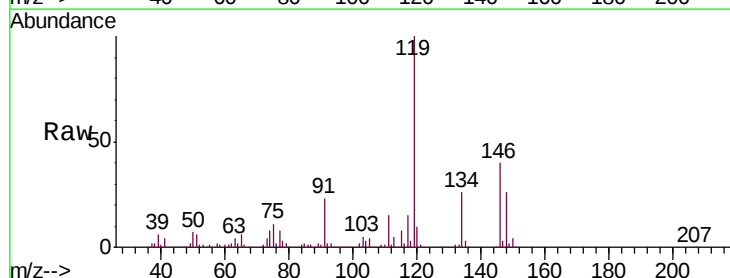
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

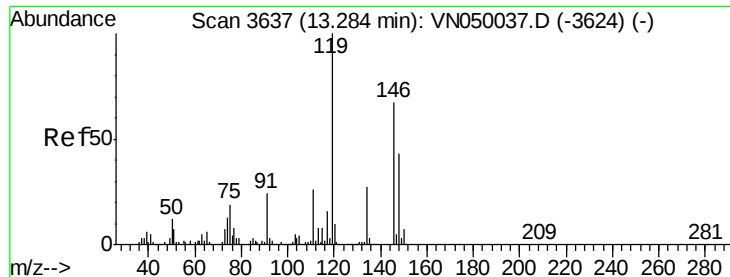
Tot Ion:105 Resp: 588243
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.05 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion:119 Resp: 500922
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.2
 91 23.2 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.72 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

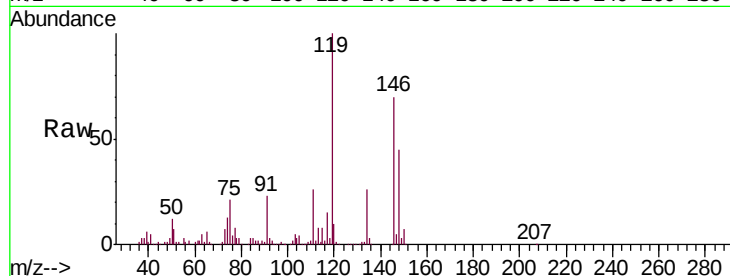
Tot Ion:146 Resp: 280485

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.1

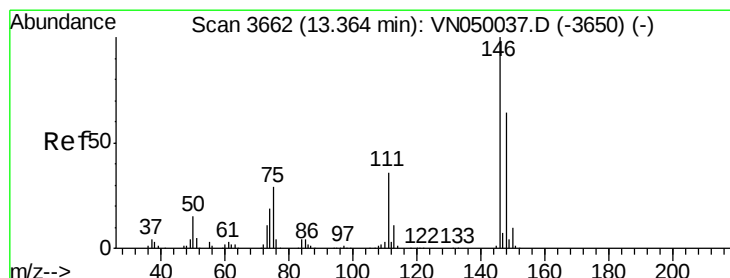
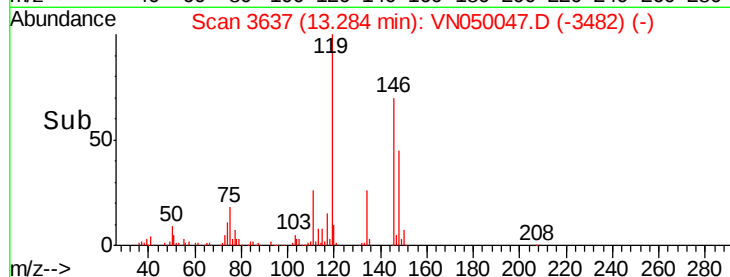
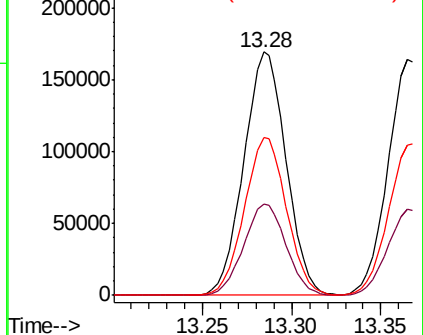
148 64.6 31.9 95.9



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: 19.12 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050047.D

Acq: 25 Jul 2018 15:56

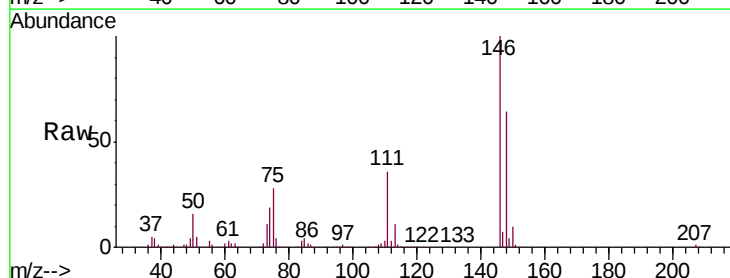
Tgt Ion:146 Resp: 270719

Ion Ratio Lower Upper

146 100

111 36.4 17.9 53.8

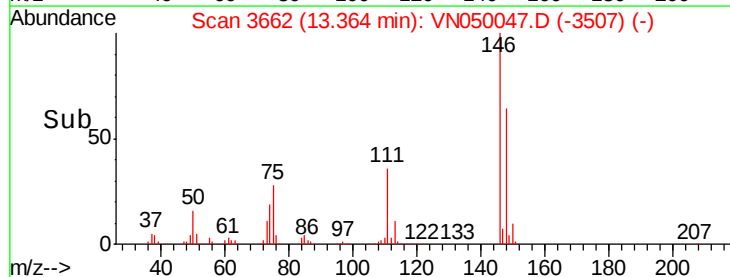
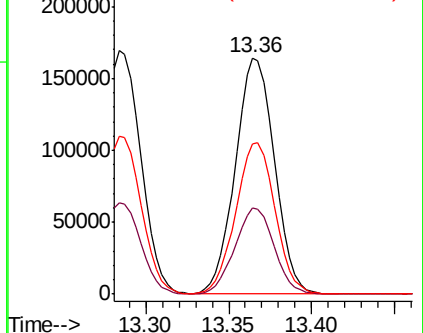
148 64.3 32.4 97.0

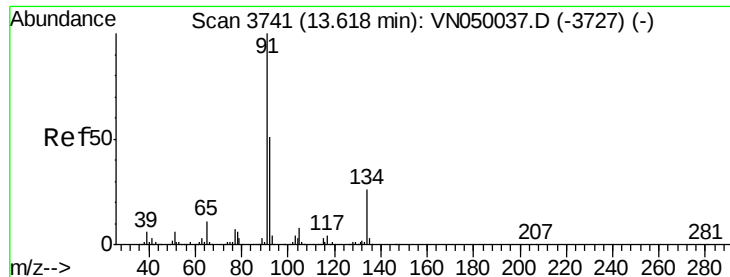


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

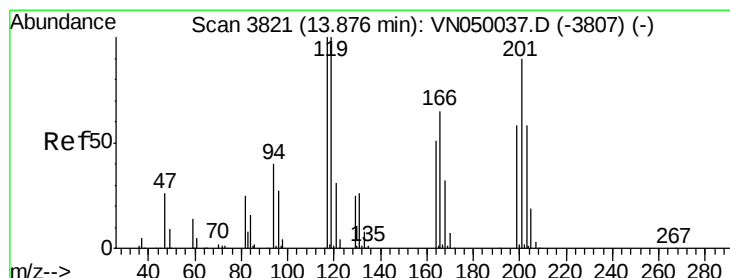
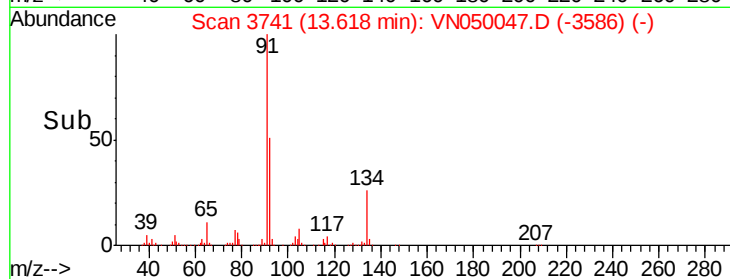
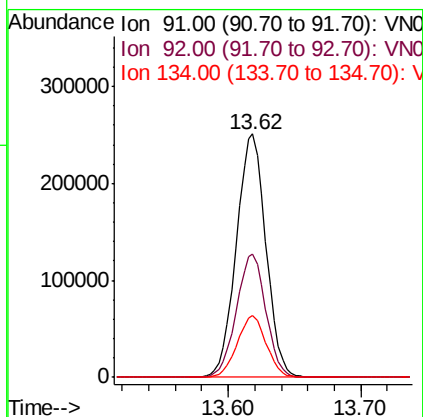
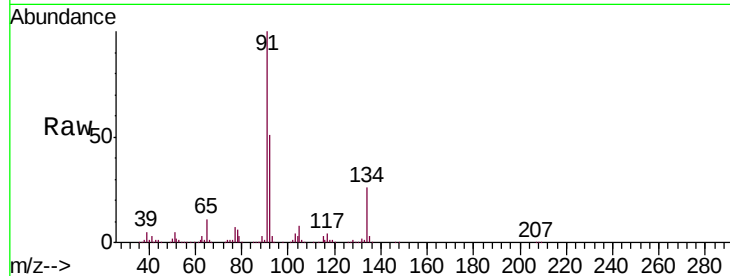




#85
n-Butylbenzene
Concen: 18.16 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

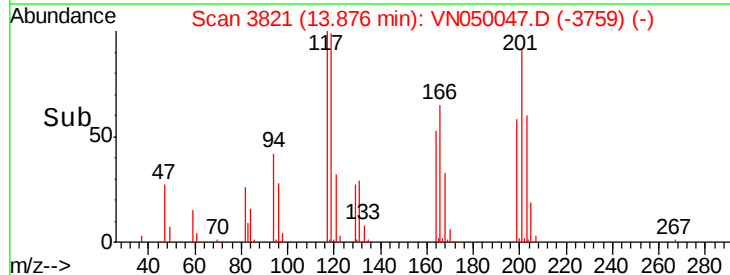
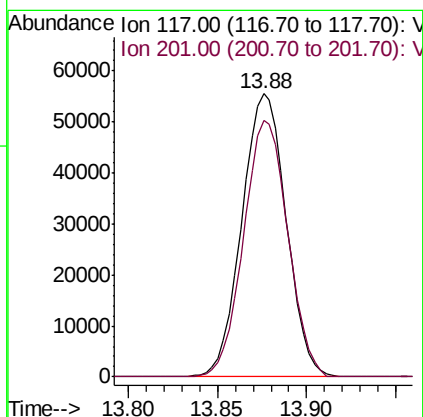
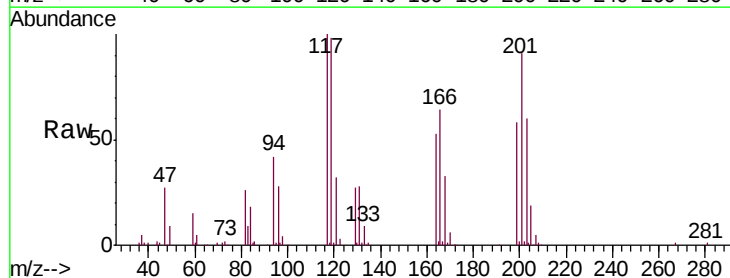
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

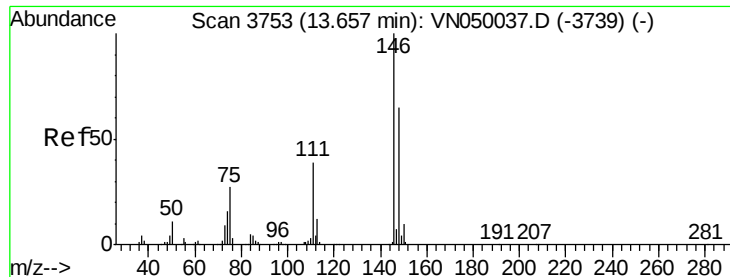
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	25.0	0.0	51.0



#86
Hexachloroethane
Concen: 18.34 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	46.6	139.7

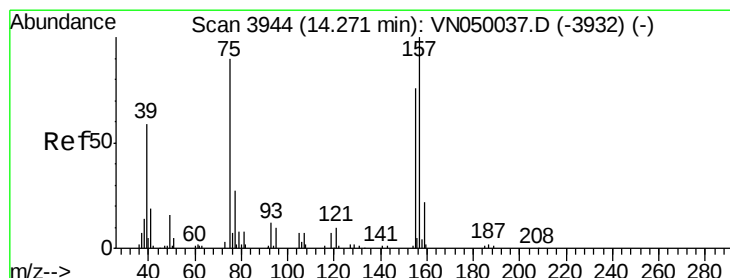
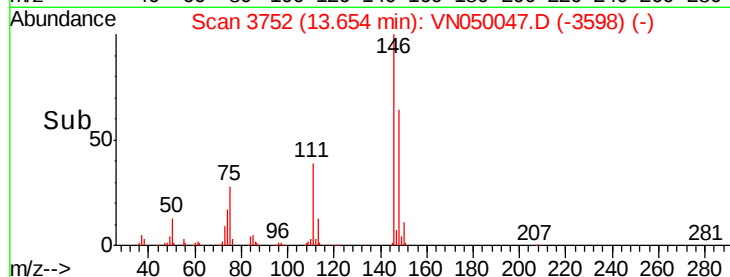
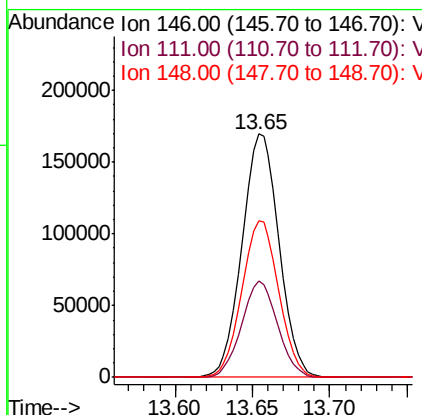
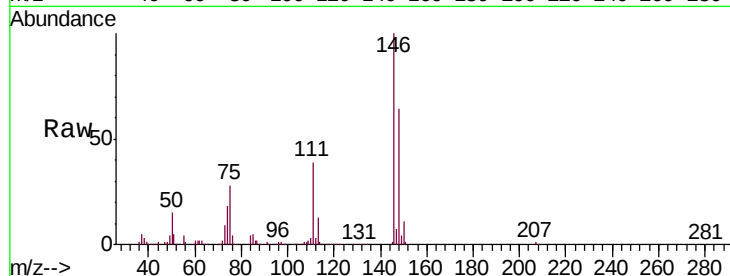




#87
 1,2-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

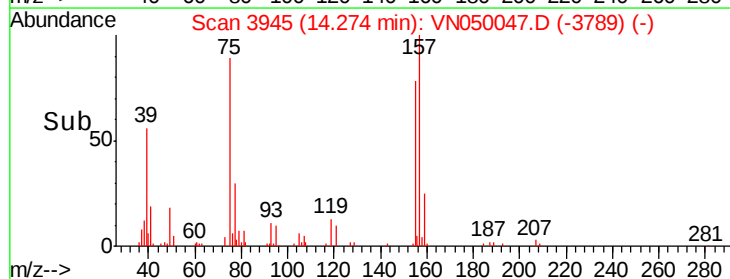
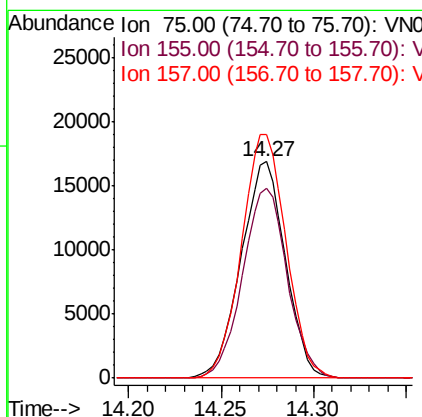
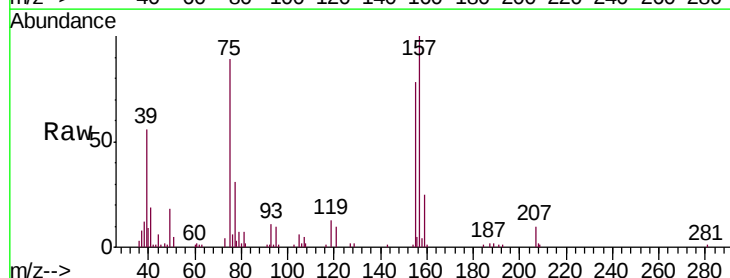
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

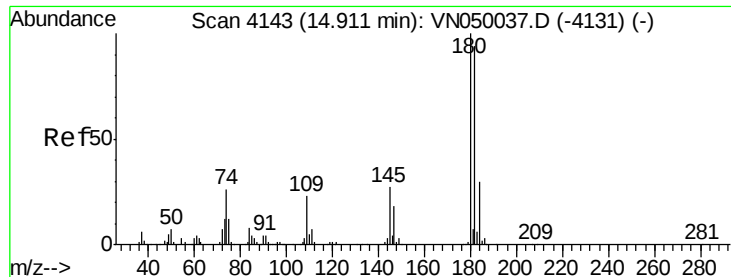
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.8	59.3
148	64.1	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.39 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.3	73.0	109.6
157	112.8	94.9	142.3

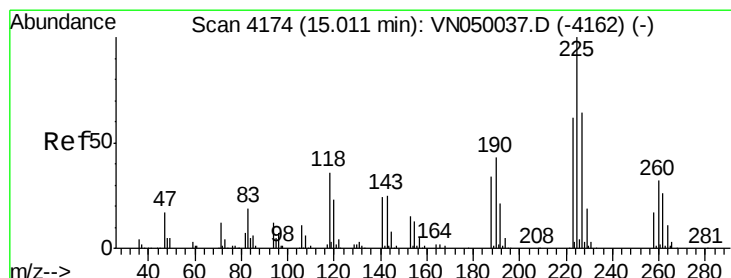
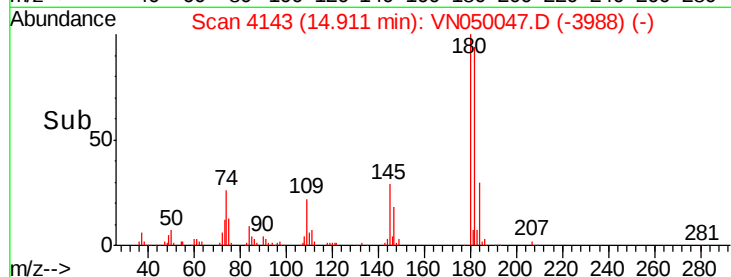
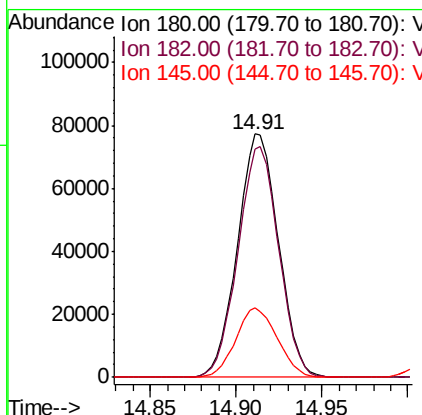
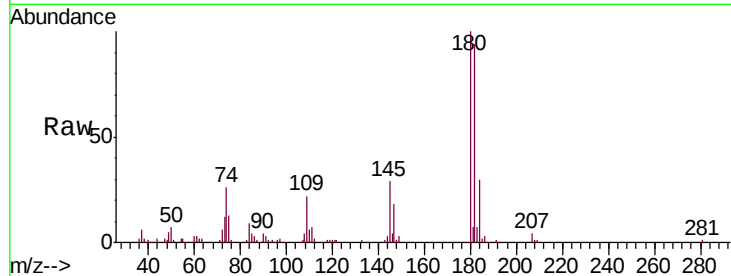




#89
 1,2,4-Trichlorobenzene
 Concen: 18.25 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

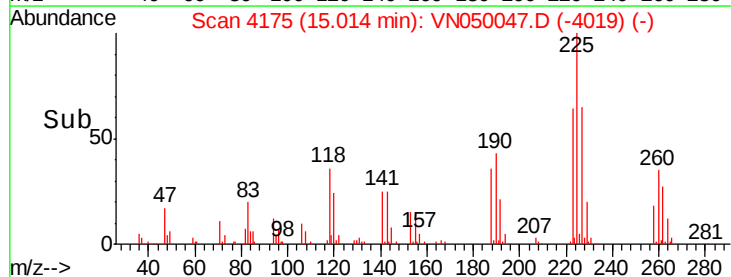
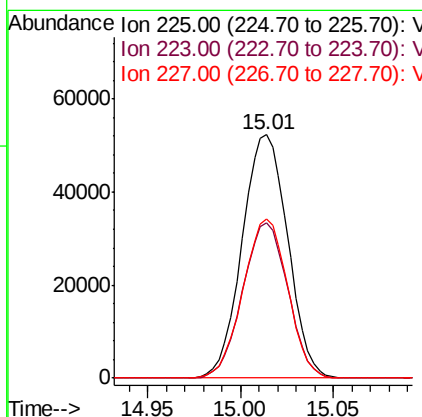
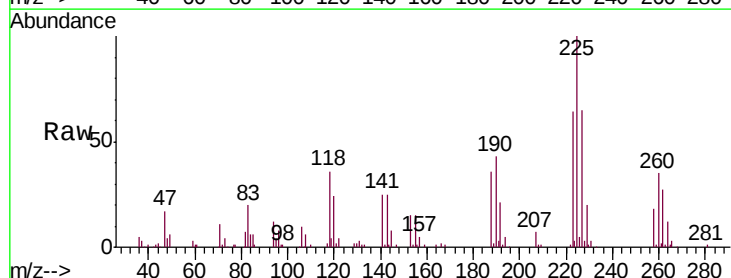
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

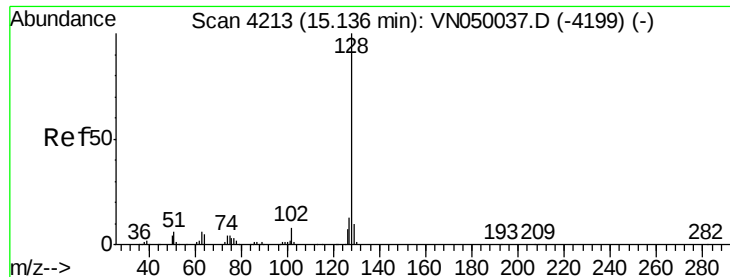
Tot Ion:180 Resp: 127693
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 145 28.9 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 19.37 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050047.D
 Acq: 25 Jul 2018 15:56

Tgt Ion:225 Resp: 89341
 Ion Ratio Lower Upper
 225 100
 223 63.3 0.0 124.4
 227 64.2 0.0 133.0

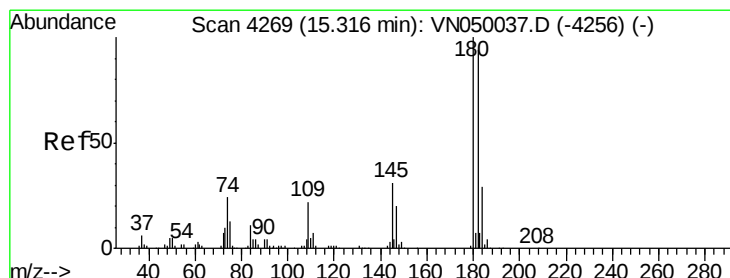
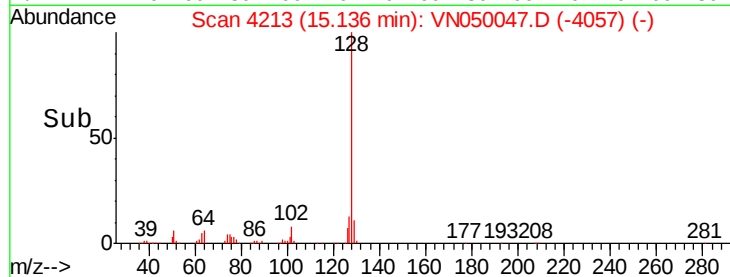
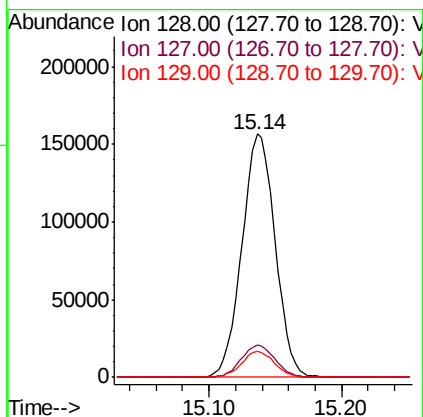
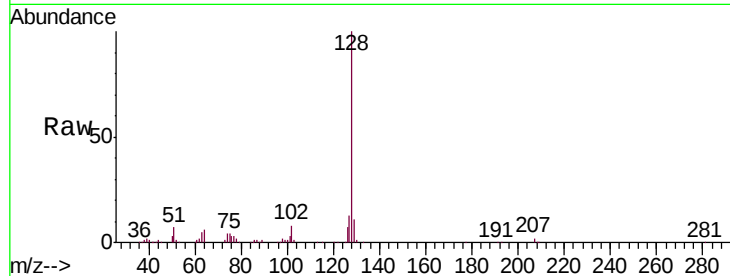




#91
Naphthalene
Concen: 20.05 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 272169
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 10.7 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 18.73 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050047.D
Acq: 25 Jul 2018 15:56

Tgt Ion:180 Resp: 133280
Ion Ratio Lower Upper
180 100
182 94.5 0.0 188.8
145 30.0 0.0 60.8

