

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050996.D
 Acq On : 31 Aug 2018 18:32
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Aug 31 23:08:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	118244	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	644081	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	544348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222996	29.55	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.50%
60) 4-Bromofluorobenzene	12.40	95	238884	29.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.37%
63) Toluene-d8	10.09	98	787264	31.01	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.37%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	142340	19.38	ug/l	100
3) Chloromethane	2.06	50	165020	19.03	ug/l	98
4) Vinyl Chloride	2.18	62	166617	19.45	ug/l	100
5) Bromomethane	2.57	94	94358	18.07	ug/l	97
6) Chloroethane	2.70	64	96610	19.12	ug/l	95
7) Trichlorofluoromethane	3.02	101	221893	19.54	ug/l	100
8) Diethyl Ether	3.41	74	73958	18.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136674	19.43	ug/l	98
10) 1,1-Dichloroethene	3.74	96	122059	19.10	ug/l	99
11) Methyl Iodide	3.96	142	99868	16.75	ug/l	99
12) Methyl Acetate	4.33	43	143629	19.44	ug/l	97
13) Acrolein	3.61	56	7695	47.04	ug/l	99
14) Acrylonitrile	4.99	53	210119	84.12	ug/l	97
15) Acetone	3.82	58	52728	82.49	ug/l	94
16) Carbon Disulfide	4.05	76	350096	18.22	ug/l	100
17) Allyl chloride	4.33	41	189365	18.84	ug/l	99
18) Methylene Chloride	4.55	84	148471	19.80	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	131281	19.28	ug/l	98
20) Diisopropyl ether	5.96	45	412300	19.76	ug/l	98
21) 1,1-Dichloroethane	5.85	63	252560	19.74	ug/l	100
22) cis-1,2-Dichloroethene	6.83	96	147912	19.24	ug/l	97
23) tert-Butyl Alcohol	4.79	59	40106	75.50	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	324494	18.57	ug/l	99
25) Chloroform	7.37	83	255530	20.01	ug/l	99
26) Cyclohexane	7.66	56	198036	18.68	ug/l #	99
29) 1,1-Dichloropropene	7.80	75	184635	19.15	ug/l	99
30) 2-Butanone	6.84	43	225556	76.04	ug/l	100
31) 2,2-Dichloropropane	6.83	77	193769	20.65	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	215193	19.68	ug/l	99
33) Carbon Tetrachloride	7.78	117	187074	19.00	ug/l	96
34) Benzene	8.04	78	580670	19.47	ug/l	99
35) Methacrylonitrile	7.18	41	49525	15.24	ug/l	98
36) 1,2-Dichloroethane	8.13	62	171663	19.03	ug/l	99
37) Trichloroethene	8.84	130	149695	19.20	ug/l	97
38) Methylcyclohexane	9.08	83	189137	18.26	ug/l	99
39) 1,2-Dichloropropane	9.12	63	153661	19.72	ug/l	96
40) Dibromomethane	9.21	93	87663	18.68	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	189626	19.17	ug/l	99
42) Vinyl Acetate	5.90	43	1182462	86.54	ug/l	100
43) Ethyl Acetate	6.93	43	99009	16.29	ug/l	98
44) Isopropyl Acetate	8.17	43	193383	18.03	ug/l	97
45) 1,4-Dioxane	9.20	88	24424	306.63	ug/l	96
46) Methyl methacrylate	9.20	41	89024	16.58	ug/l	98
47) n-amyl Acetate	12.07	43	127003	14.73	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	170108	17.54	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	212639	19.09	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	124620	18.28	ug/l	96
51) Ethyl methacrylate	10.43	69	134771	16.15	ug/l	98
52) 1,3-Dichloropropane	10.71	76	205493	18.19	ug/l	99
53) Dibromochloromethane	10.90	129	139967	18.05	ug/l	100
54) 1,2-Dibromoethane	11.01	107	119299	17.69	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	278053	80.10	ug/l	99
56) Bromoform	12.13	173	90777	16.46	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	518550	83.26	ug/l	100
59) 2-Hexanone	10.75	43	315256	77.44	ug/l	99
61) Tetrachloroethene	10.63	164	134684	19.86	ug/l	96
62) Toluene	10.16	91	606620	19.98	ug/l	100
64) Chlorobenzene	11.44	112	366550	19.48	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	143813	20.24	ug/l	99
66) Ethyl Benzene	11.51	91	598125	19.01	ug/l	99
67) m/p-Xylenes	11.62	106	475159	39.26	ug/l	99
68) o-Xylene	11.95	106	223960	19.37	ug/l	98
69) Styrene	11.97	104	346394	18.84	ug/l	99
70) Isopropylbenzene	12.25	105	596569	19.41	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	149627	17.98	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	167425	23.32	ug/l	91
73) Bromobenzene	12.53	156	151823	18.78	ug/l	99
74) n-propylbenzene	12.59	91	658150	18.94	ug/l	99
75) 2-Chlorotoluene	12.68	91	413761	19.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	488617	19.46	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	31434	15.37	ug/l	97
78) 4-Chlorotoluene	12.77	91	391238	18.83	ug/l	100
79) tert-butylbenzene	12.99	119	423239	19.41	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	485031	19.37	ug/l	100
81) sec-Butylbenzene	13.17	105	546036	19.14	ug/l	99
82) p-Isopropyltoluene	13.29	119	465495	18.90	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	250896	18.35	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	227082	17.53	ug/l	97
85) n-Butylbenzene	13.62	91	326976	17.40	ug/l	100
86) Hexachloroethane	13.87	117	86301	18.25	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	246636	18.33	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18137	15.58	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	86465	14.43	ug/l	99
90) Hexachlorobutadiene	15.01	225	78787	19.36	ug/l	99
91) Naphthalene	15.13	128	161096	17.18	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	91138	15.16	ug/l	100

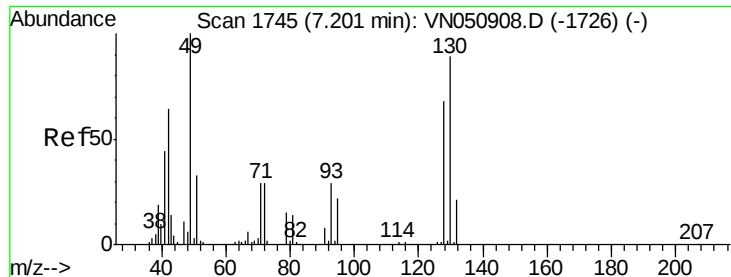
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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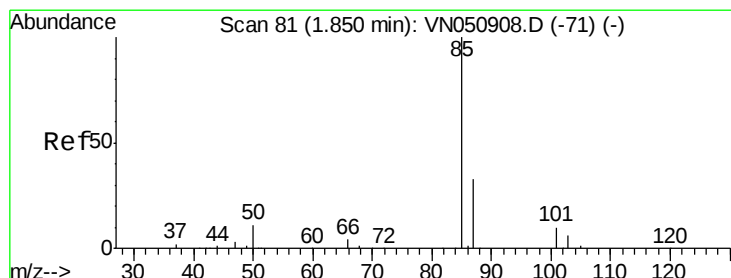
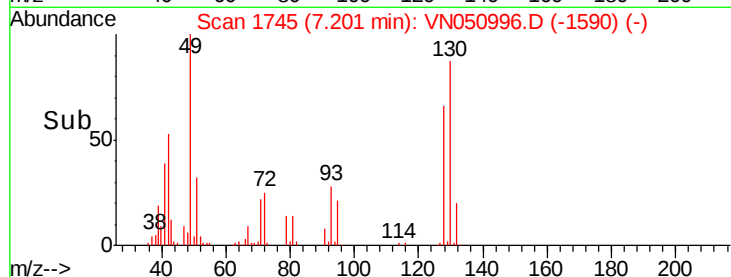
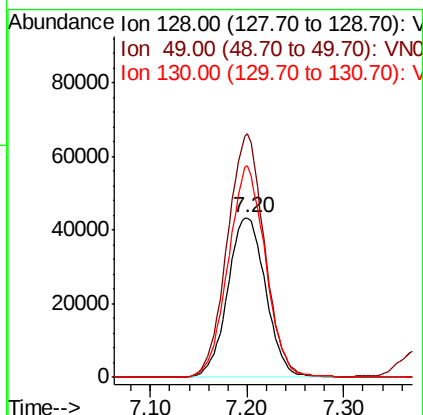
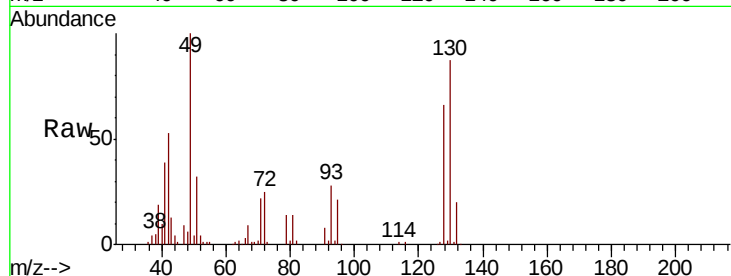
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 30.00 ug/l
 RT: 7.20 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

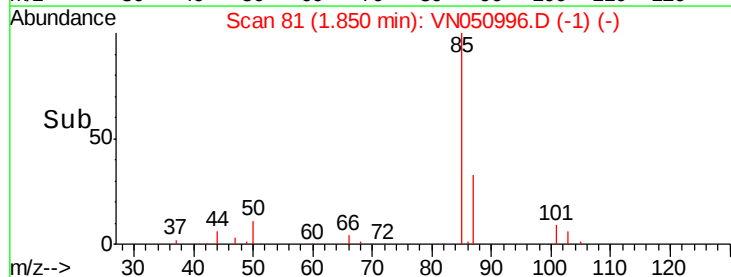
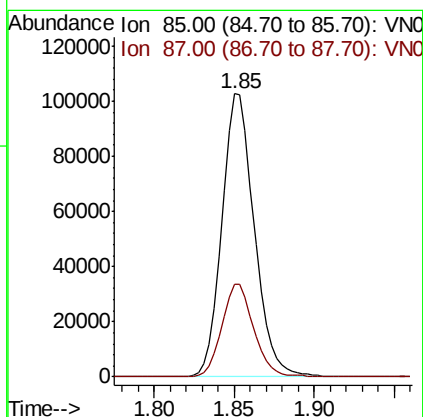
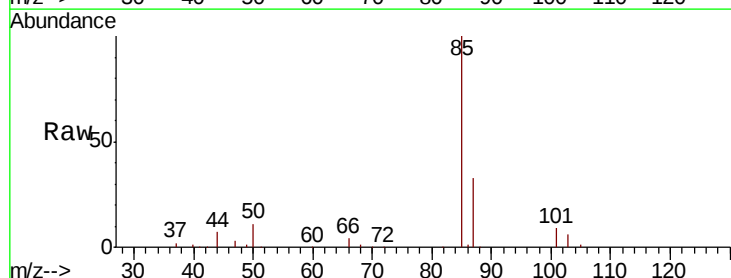
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

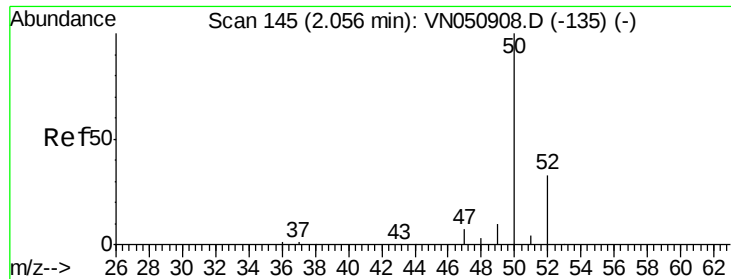
Tot Ion:128 Resp: 118244
 Ion Ratio Lower Upper
 128 100
 49 149.8 0.0 380.3
 130 129.5 0.0 325.3



#2
 Dichlorodifluoromethane
 Concen: 19.38 ug/l
 RT: 1.85 min Scan# 81
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 85 Resp: 142340
 Ion Ratio Lower Upper
 85 100
 87 32.7 16.4 49.1





#3

Chloromethane

Concen: 19.03 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

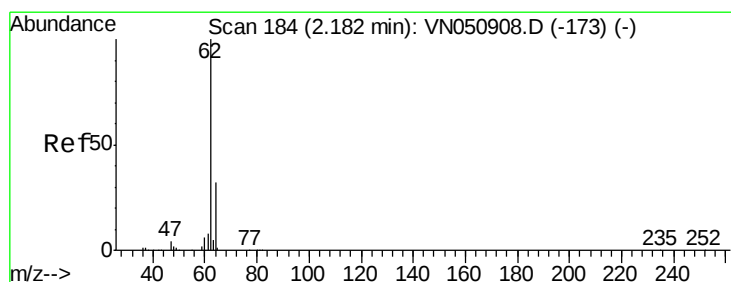
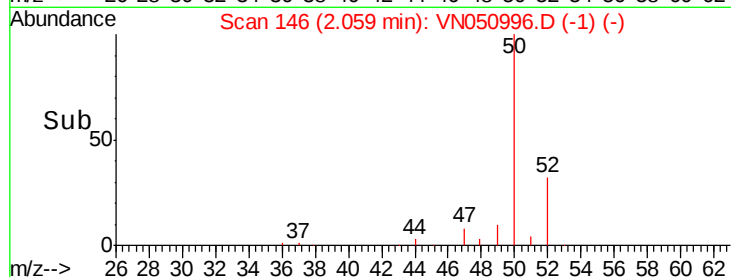
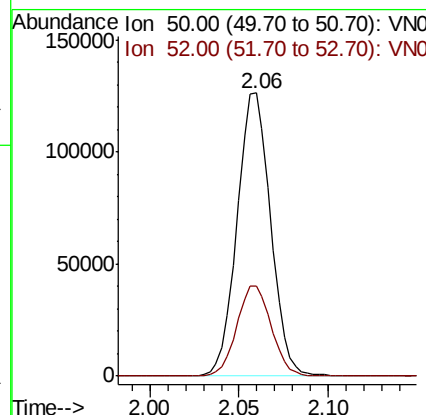
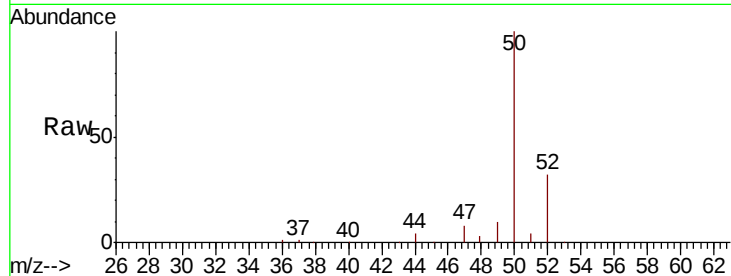
VSTDCCC020

Tot Ion: 50 Resp: 165020

Ion Ratio Lower Upper

50 100

52 31.8 26.2 39.4



#4

Vinyl Chloride

Concen: 19.45 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050996.D

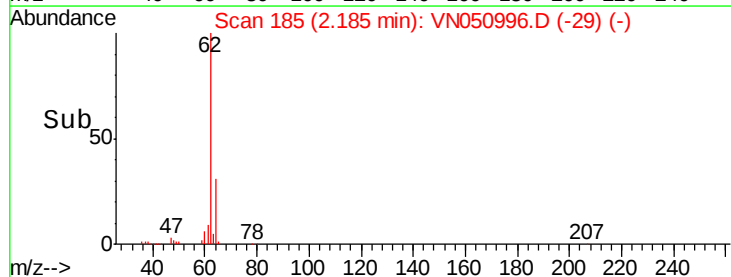
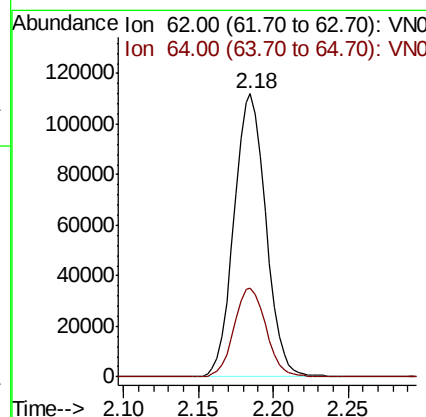
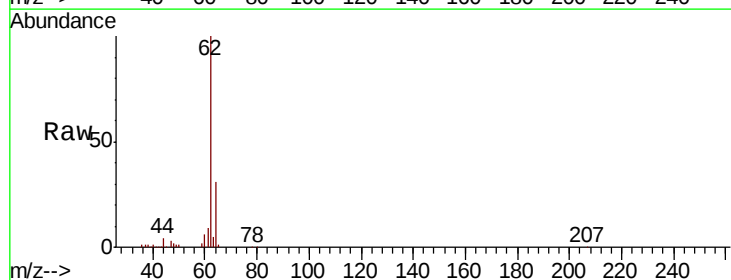
Acq: 31 Aug 2018 18:32

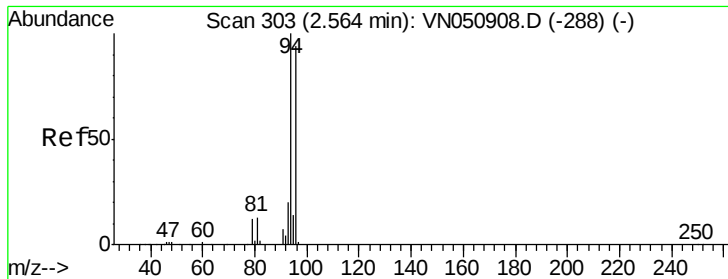
Tgt Ion: 62 Resp: 166617

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0





#5

Bromomethane

Concen: 18.07 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

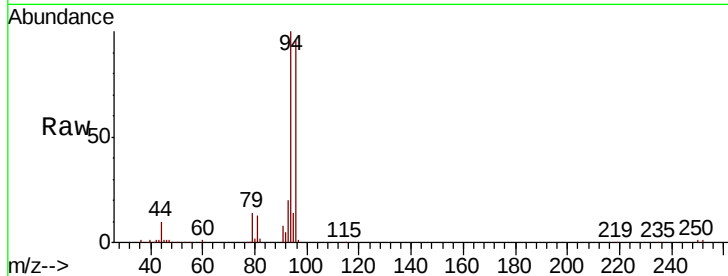
VSTDCCC020

Tot Ion: 94 Resp: 94358

Ion Ratio Lower Upper

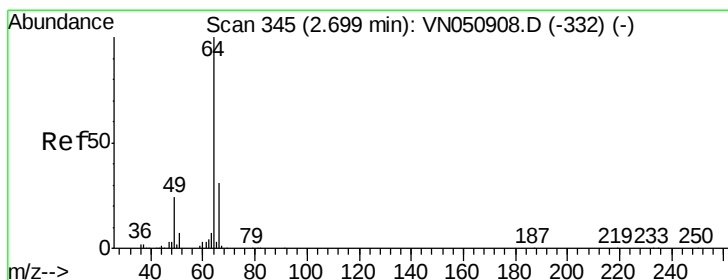
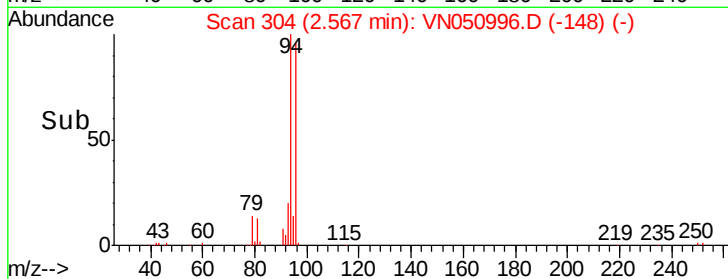
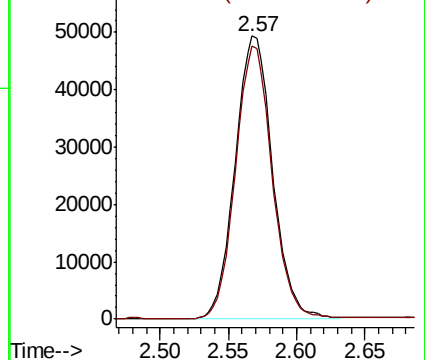
94 100

96 96.3 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.12 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050996.D

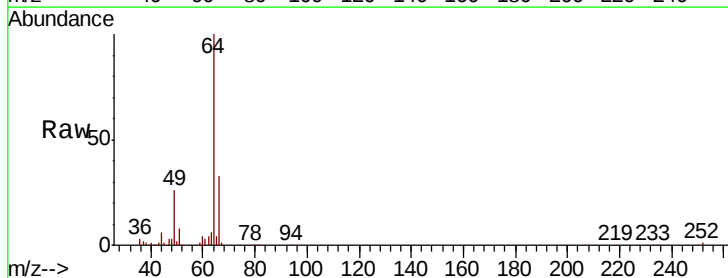
Acq: 31 Aug 2018 18:32

Tgt Ion: 64 Resp: 96610

Ion Ratio Lower Upper

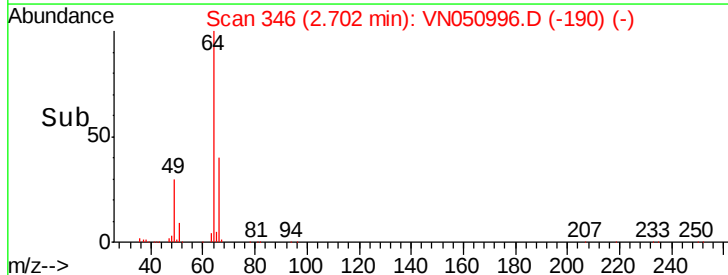
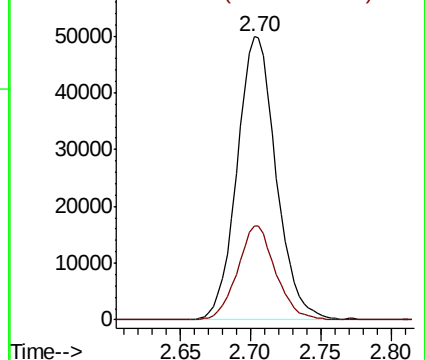
64 100

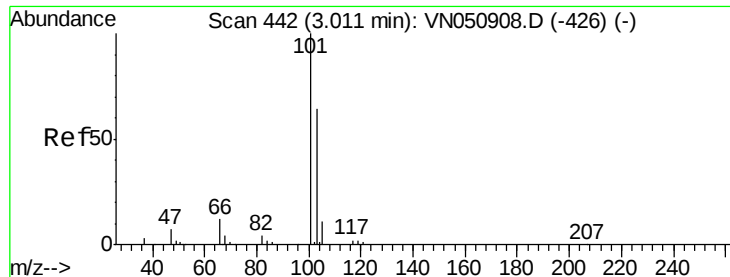
66 33.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 19.54 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.01 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

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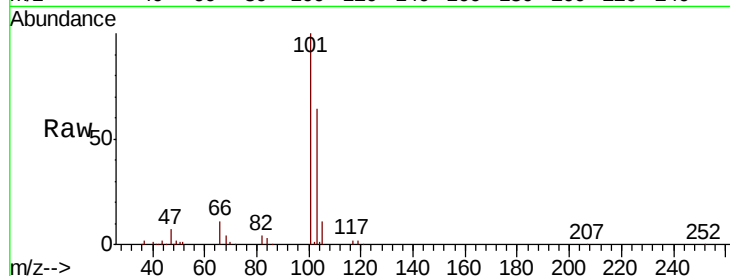
VSTDCCC020

Tot Ion:101 Resp: 221893

Ion Ratio Lower Upper

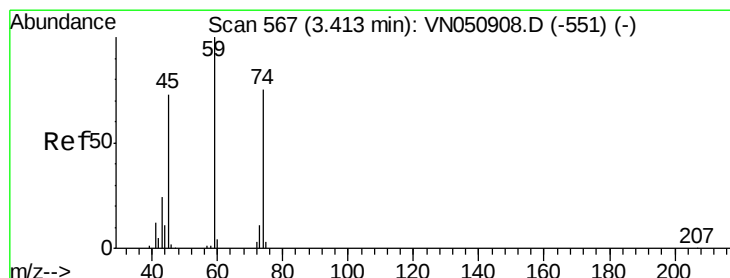
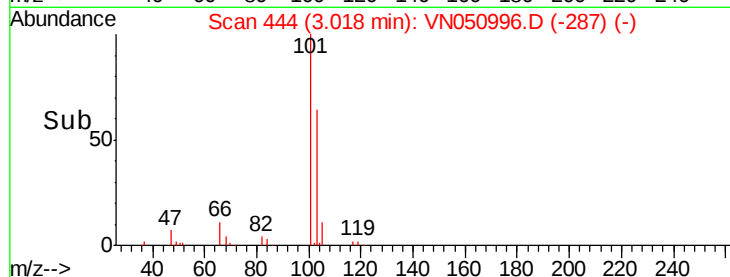
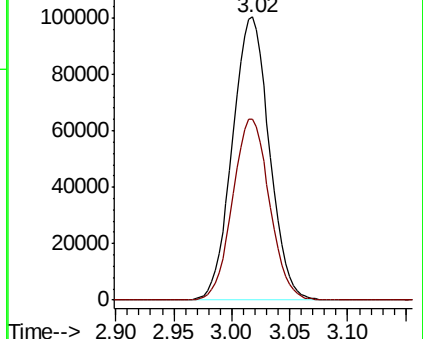
101 100

103 63.9 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.47 ug/l

RT: 3.41 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN050996.D

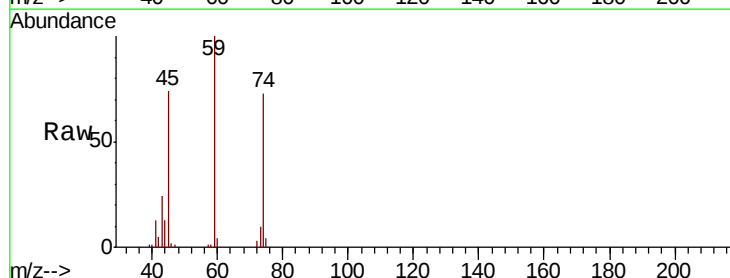
Acq: 31 Aug 2018 18:32

Tgt Ion: 74 Resp: 73958

Ion Ratio Lower Upper

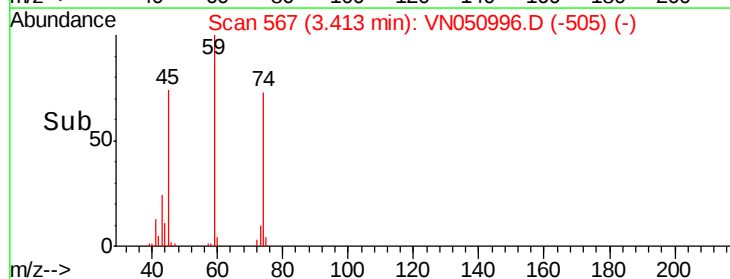
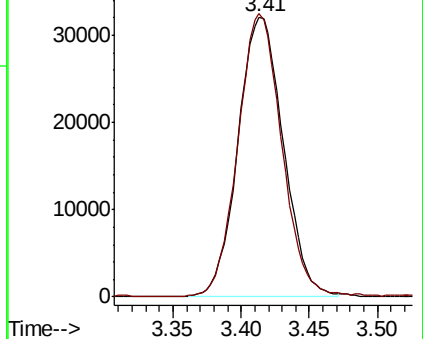
74 100

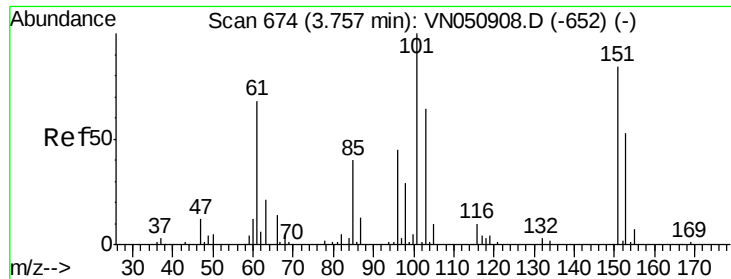
45 98.2 19.7 177.1



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.43 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050996.D

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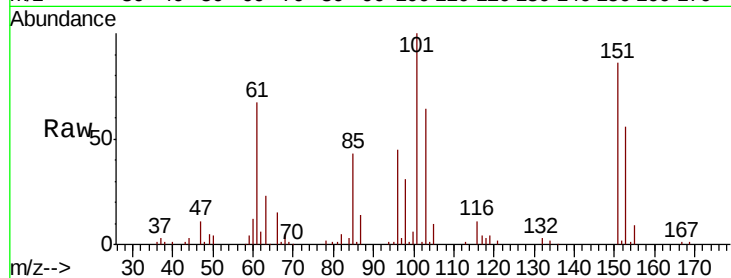
Tot Ion:101 Resp: 136674

Ion Ratio Lower Upper

101 100

85 42.9 0.0 83.6

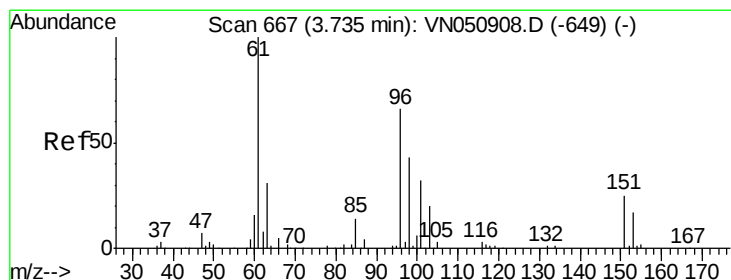
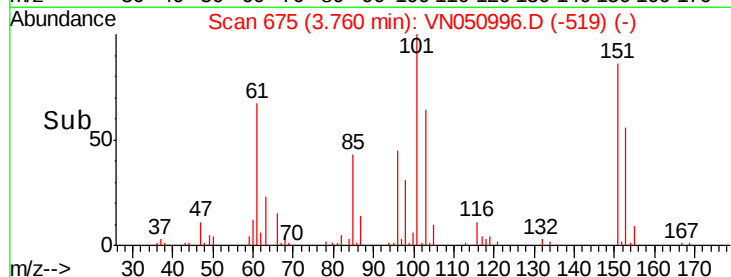
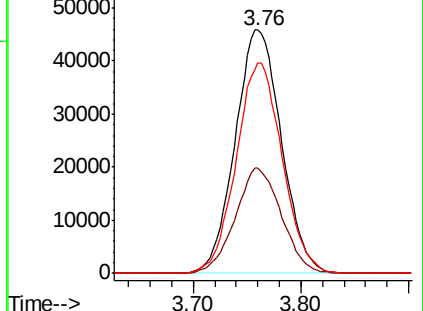
151 86.0 0.0 167.0



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: 19.10 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

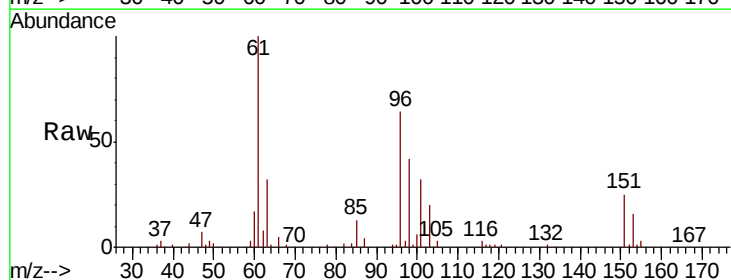
Tgt Ion: 96 Resp: 122059

Ion Ratio Lower Upper

96 100

61 154.5 121.8 182.8

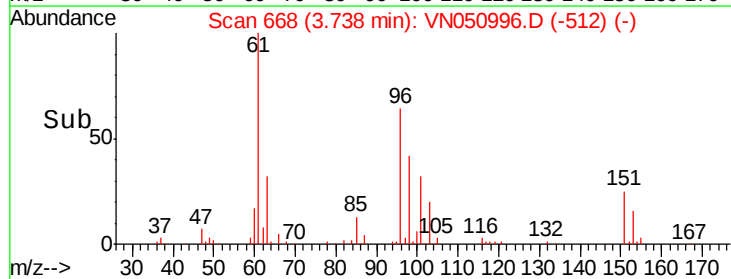
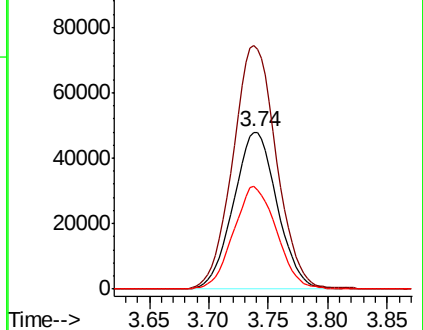
98 65.5 52.3 78.5

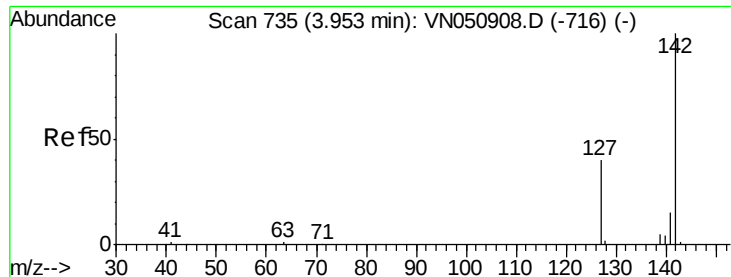


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

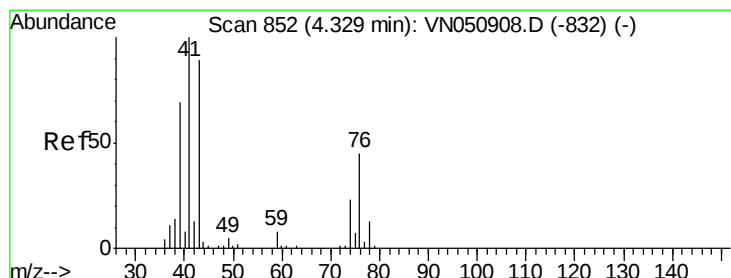
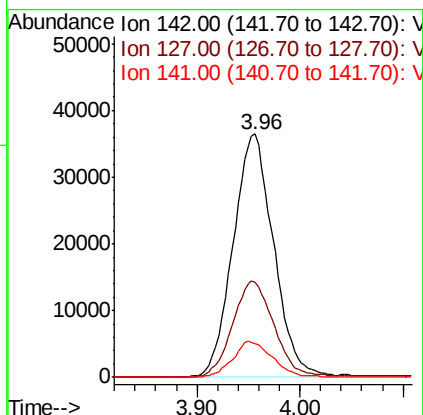
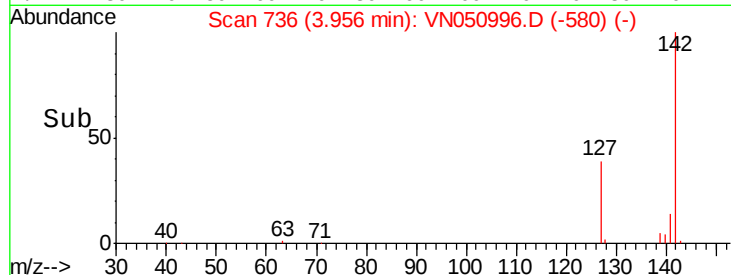
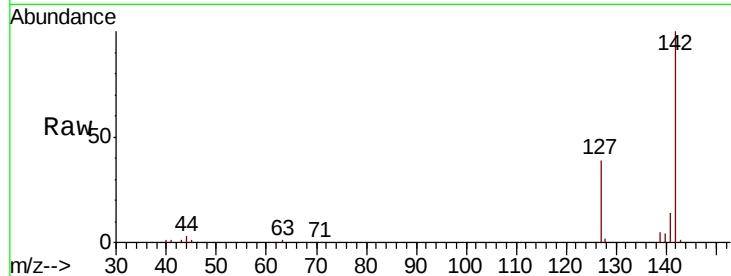




#11
Methvl Iodide
Concen: 16.75 ug/l
RT: 3.96 min Scan# 736
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

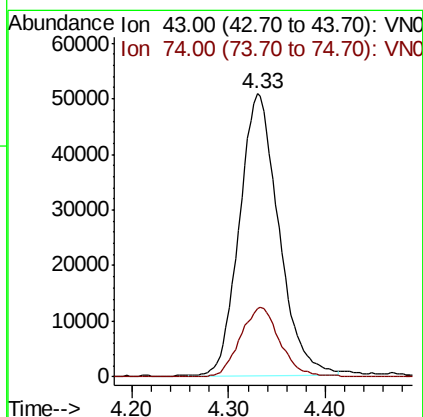
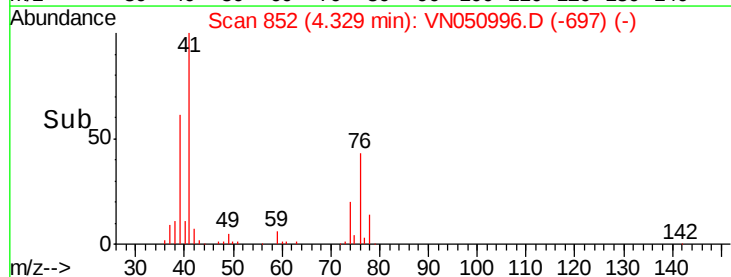
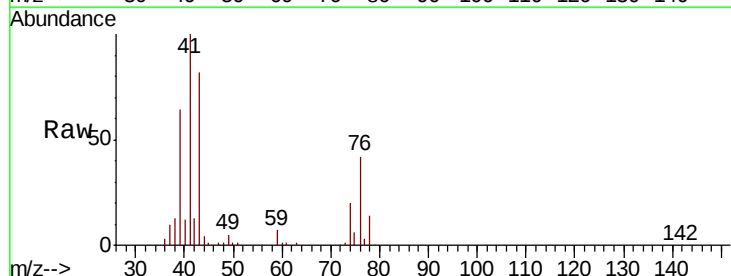
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

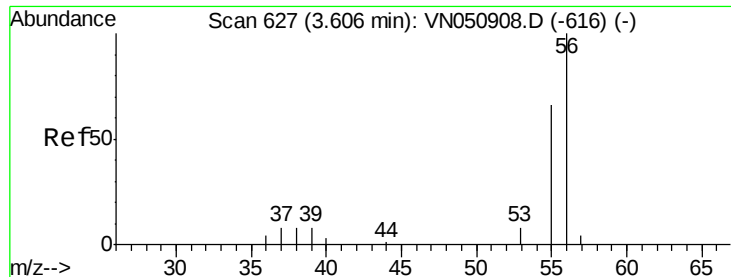
Tot Ion:142 Resp: 99868
Ion Ratio Lower Upper
142 100
127 38.9 19.7 59.1
141 13.5 7.3 22.0



#12
Methyl Acetate
Concen: 19.44 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 43 Resp: 143629
Ion Ratio Lower Upper
43 100
74 24.0 20.6 31.0





#13

Acrolein

Concen: 47.04 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

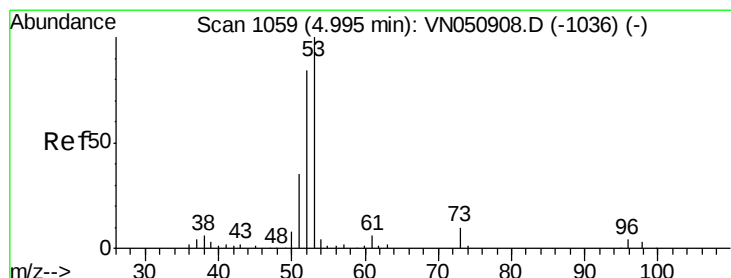
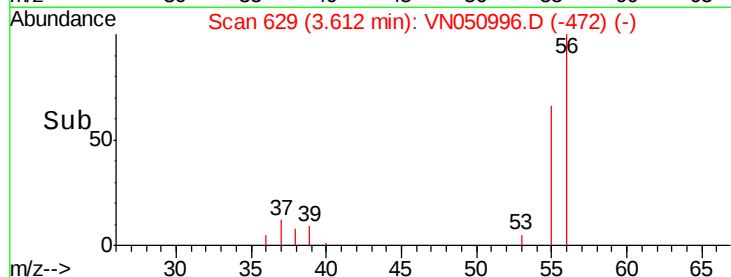
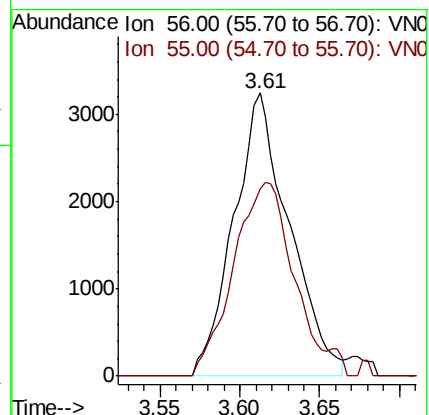
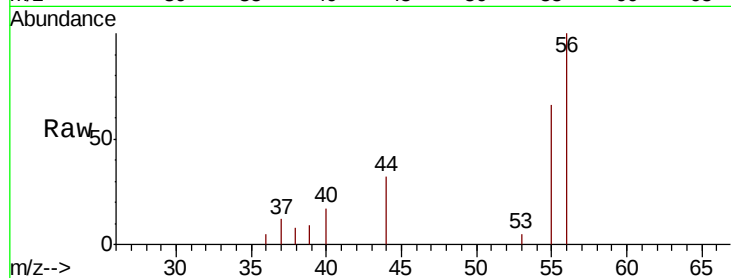
VSTDCCC020

Tot Ion: 56 Resp: 7695

Ion Ratio Lower Upper

56 100

55 73.4 59.1 88.7



#14

Acrylonitrile

Concen: 84.12 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

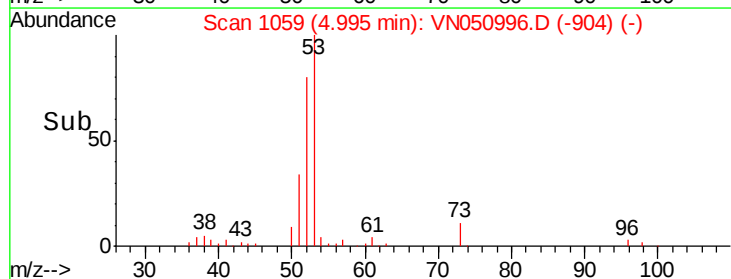
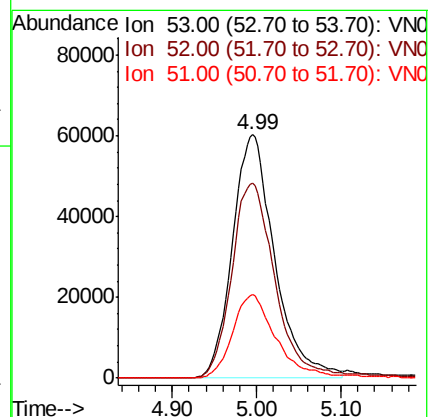
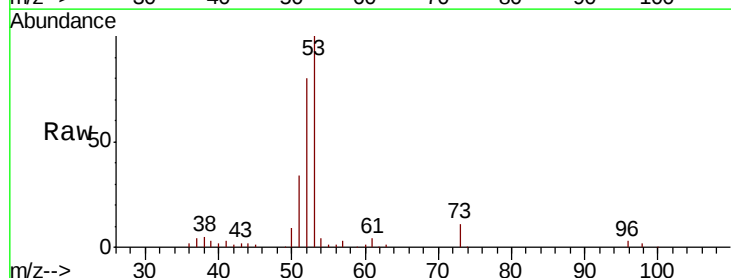
Tgt Ion: 53 Resp: 210119

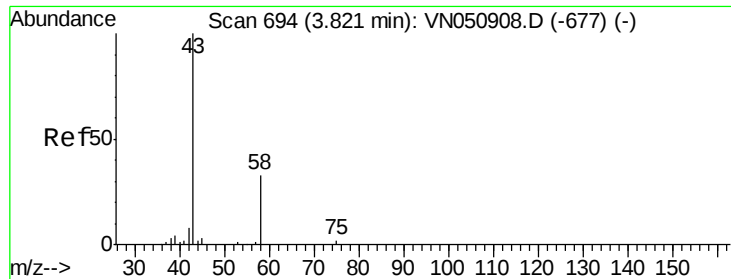
Ion Ratio Lower Upper

53 100

52 81.2 42.2 126.6

51 35.2 17.7 53.1





#15

Acetone

Concen: 82.49 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

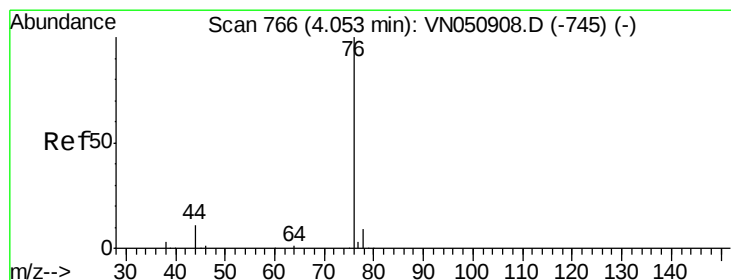
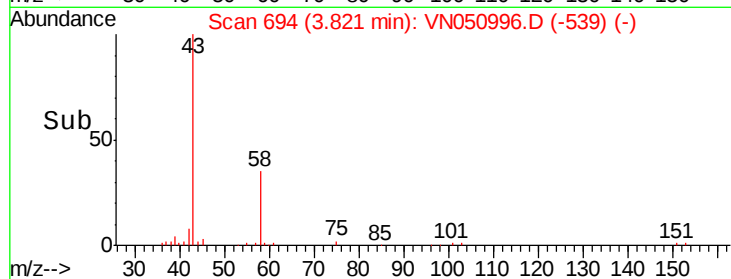
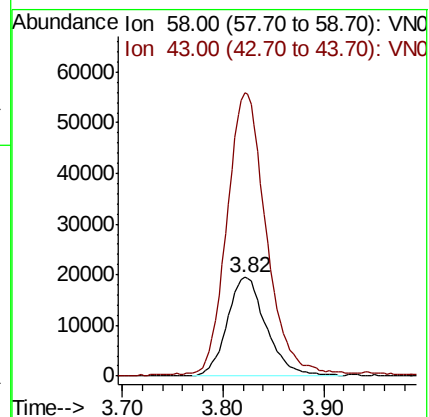
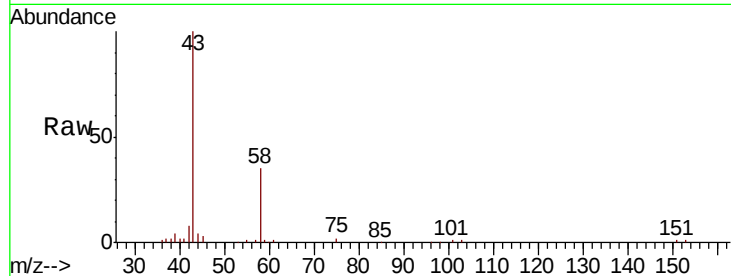
VSTDCCC020

Tot Ion: 58 Resp: 52728

Ion Ratio Lower Upper

58 100

43 286.6 239.4 359.0



#16

Carbon Disulfide

Concen: 18.22 ug/l

RT: 4.05 min Scan# 766

Delta R.T. -0.00 min

Lab File: VN050996.D

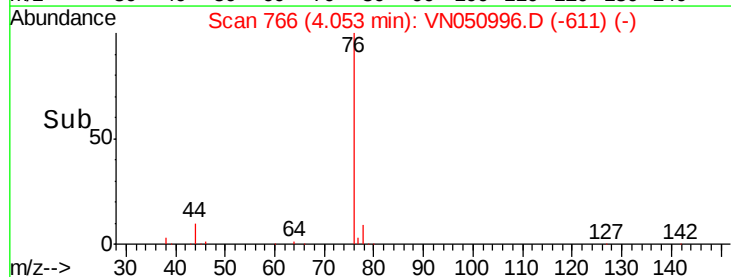
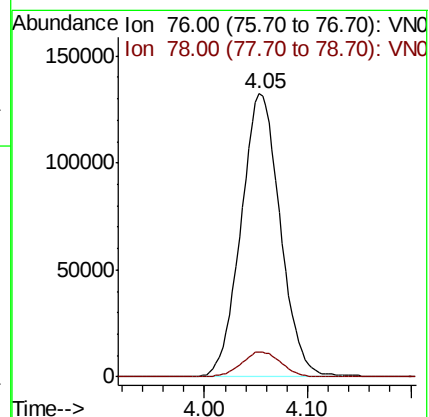
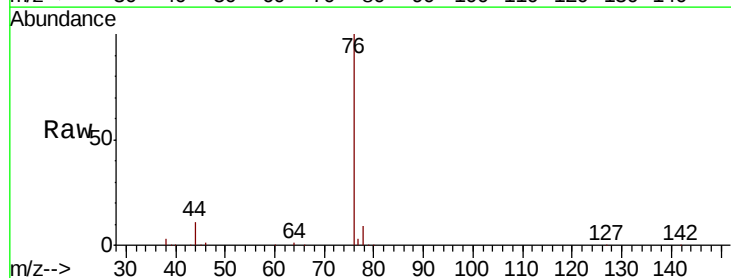
Acq: 31 Aug 2018 18:32

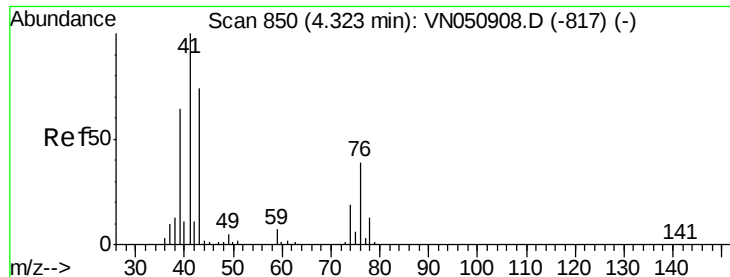
Tgt Ion: 76 Resp: 350096

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

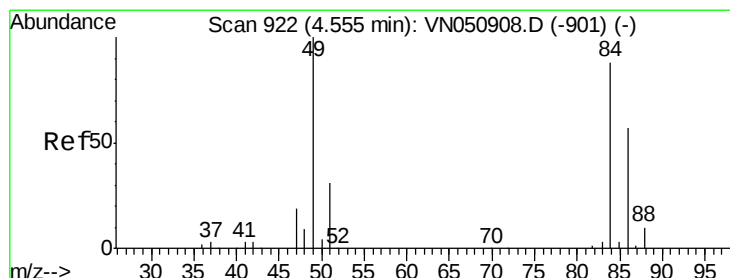
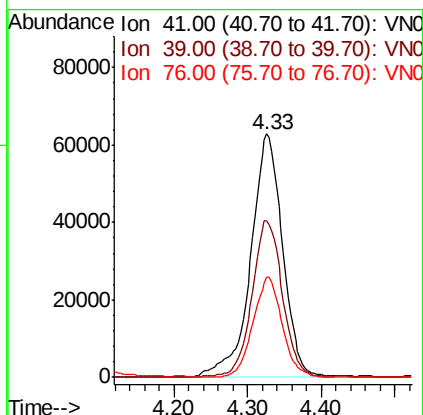
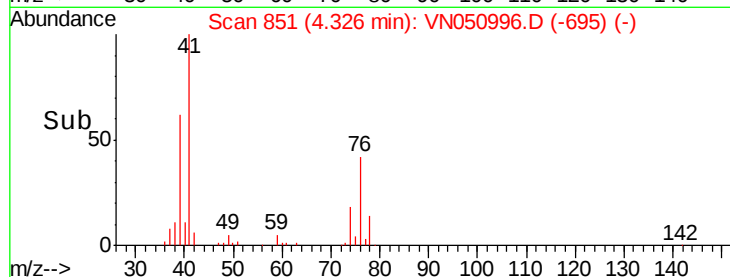
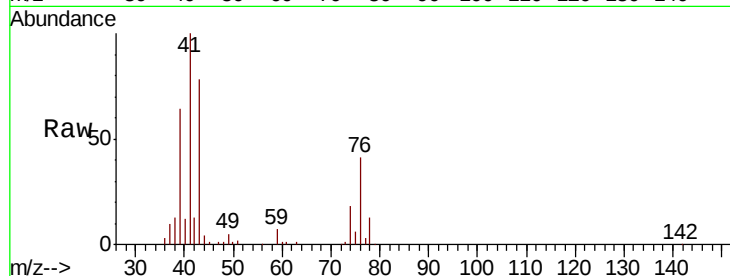




#17
Allvl chloride
Concen: 18.84 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

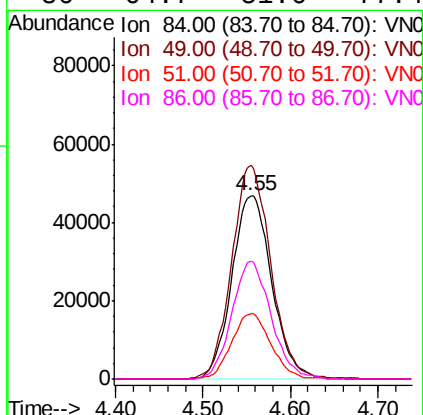
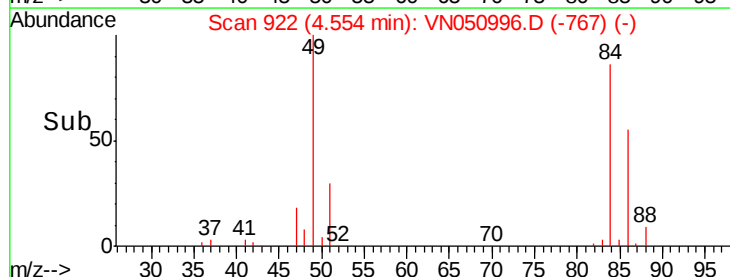
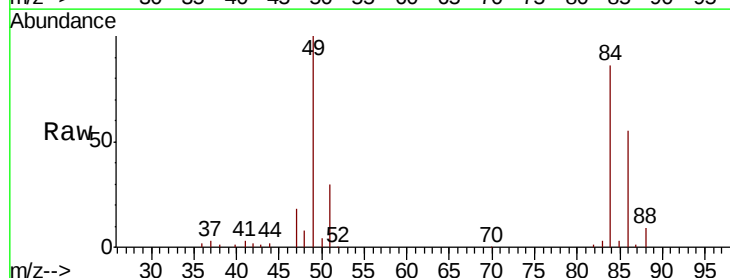
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

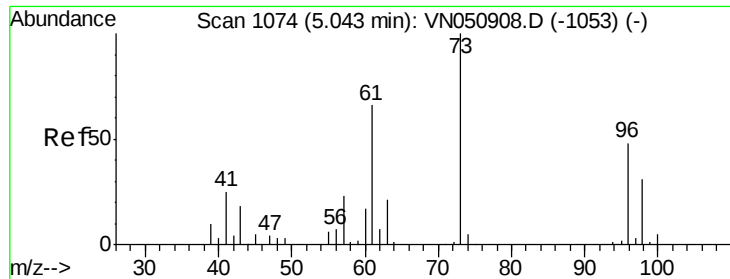
Tot Ion: 41 Resp: 189365
Ion Ratio Lower Upper
41 100
39 64.3 32.2 96.6
76 40.8 19.6 58.7



#18
Methylene Chloride
Concen: 19.80 ug/l
RT: 4.55 min Scan# 922
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 84 Resp: 148471
Ion Ratio Lower Upper
84 100
49 116.7 90.6 135.8
51 35.5 28.4 42.6
86 64.7 51.6 77.4

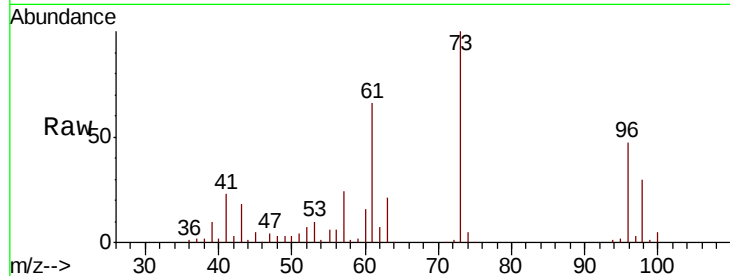




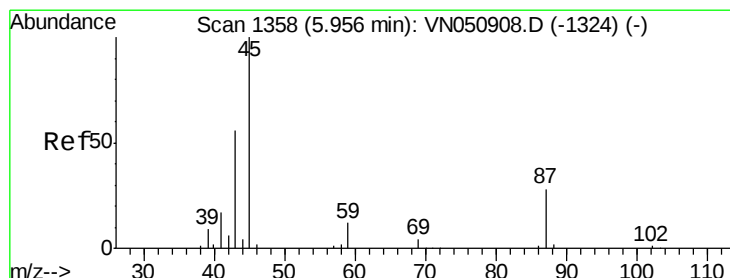
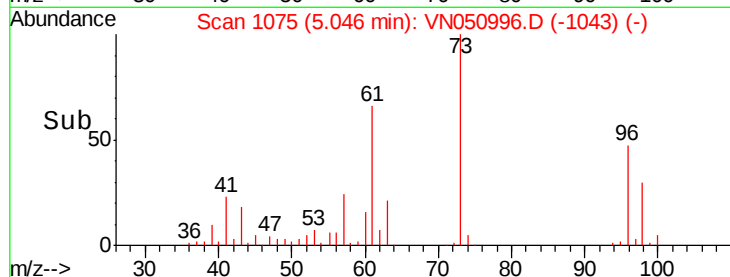
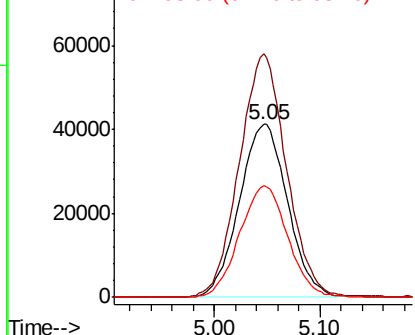
#19
trans-1,2-Dichloroethene
Concen: 19.28 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 96 Resp: 131281
Ion Ratio Lower Upper
96 100
61 140.4 109.5 164.3
98 64.5 51.9 77.9

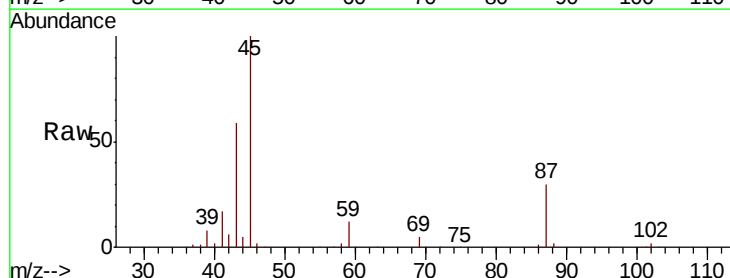


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

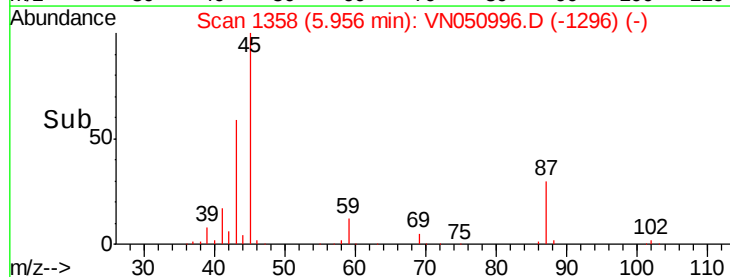
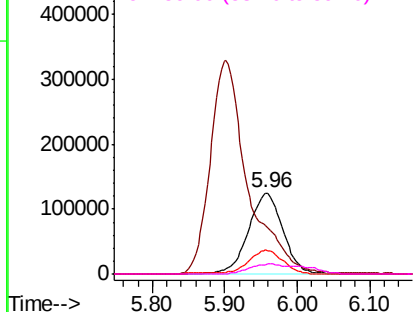


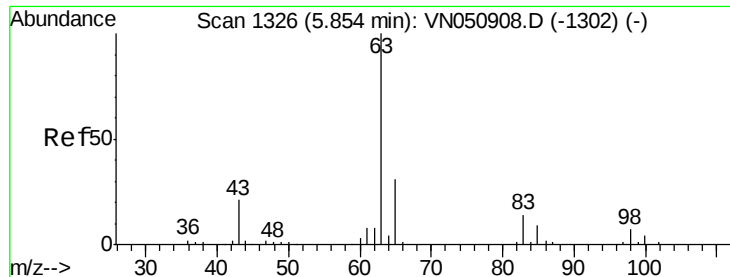
#20
Diisopropyl ether
Concen: 19.76 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 45 Resp: 412300
Ion Ratio Lower Upper
45 100
43 57.7 47.0 70.6
87 29.4 22.8 34.2
59 11.5 9.5 14.3



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

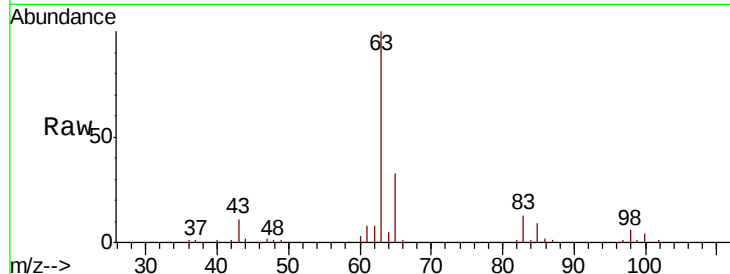




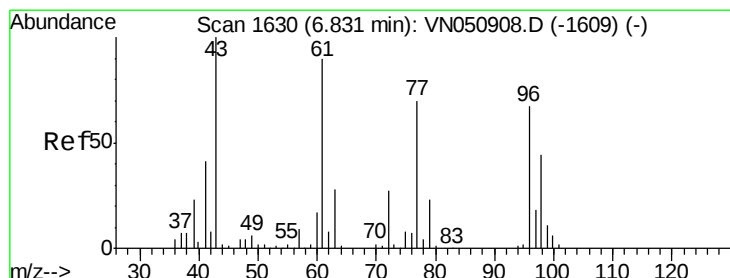
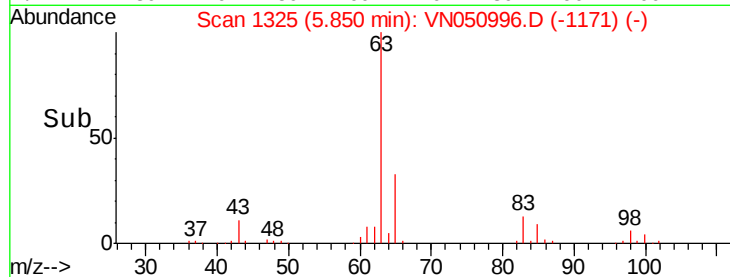
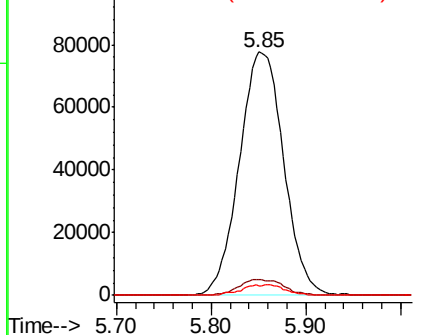
#21
 1,1-Dichloroethane
 Concen: 19.74 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 63 Resp: 252560
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.1 2.0 6.0

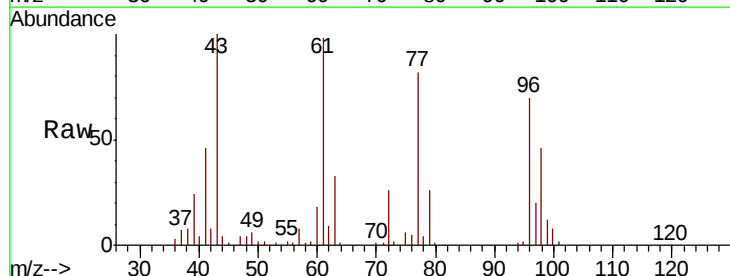


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN

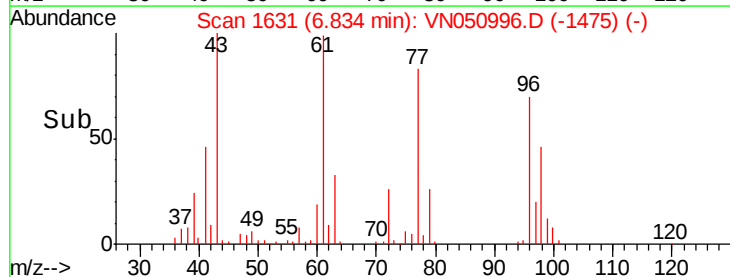
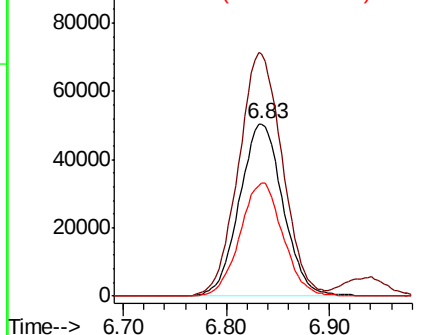


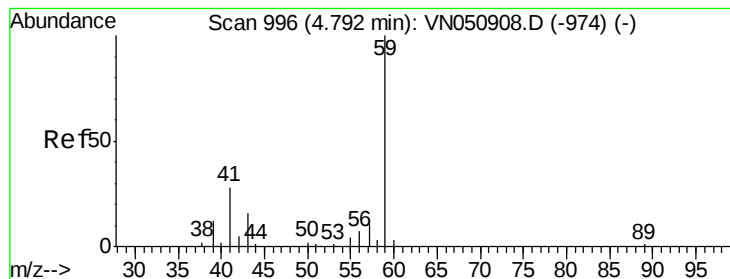
#22
 cis-1,2-Dichloroethene
 Concen: 19.24 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 96 Resp: 147912
 Ion Ratio Lower Upper
 96 100
 61 142.1 110.0 165.0
 98 64.8 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: 75.50 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

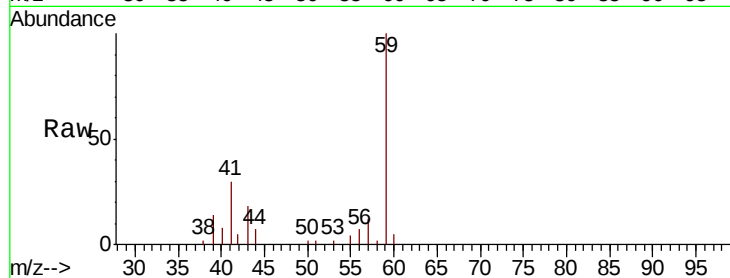
VSTDCCC020

Tot Ion: 59 Resp: 40106

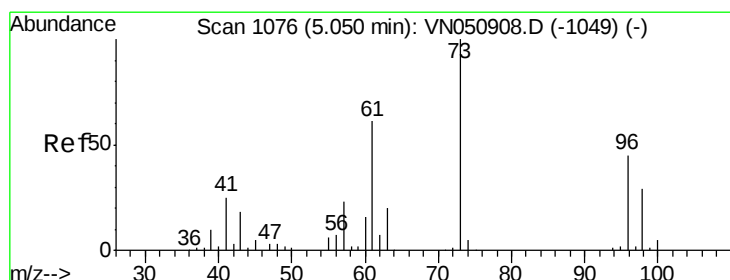
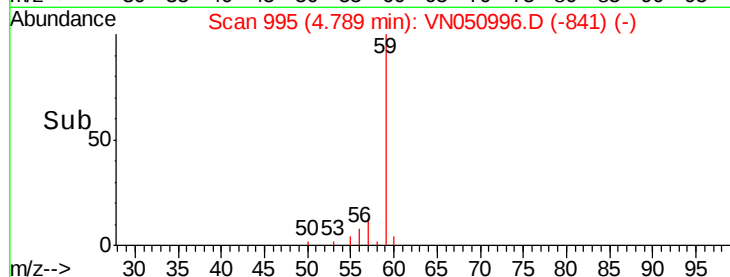
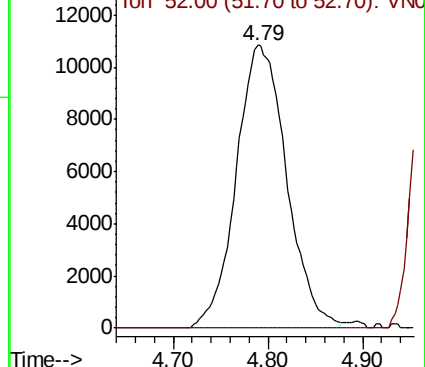
Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)



#24

Methyl tert-Butyl Ether

Concen: 18.57 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050996.D

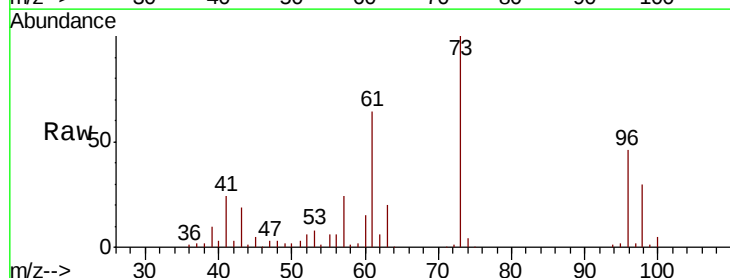
Acq: 31 Aug 2018 18:32

Tgt Ion: 73 Resp: 324494

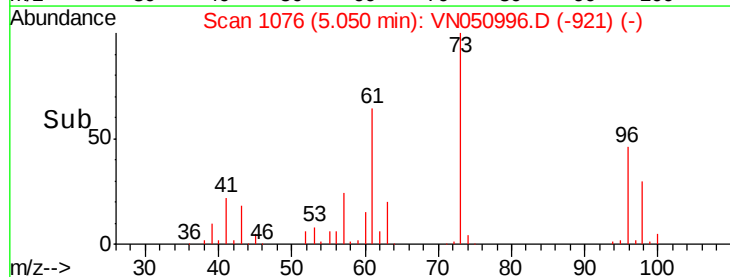
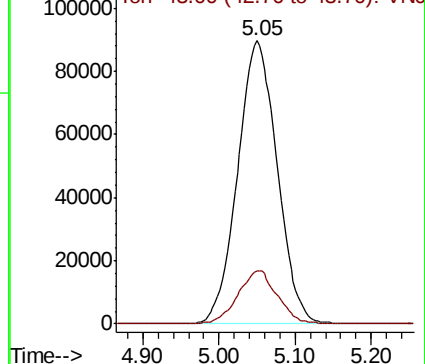
Ion Ratio Lower Upper

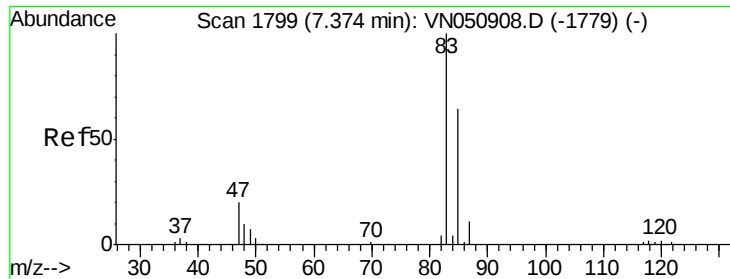
73 100

43 18.2 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN050908.D (-1049) (-)

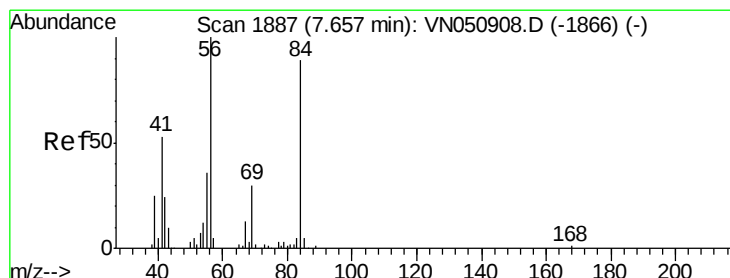
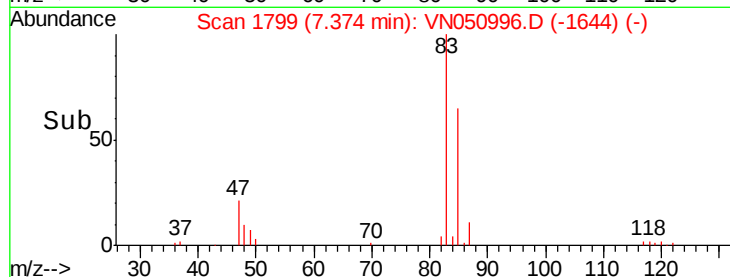
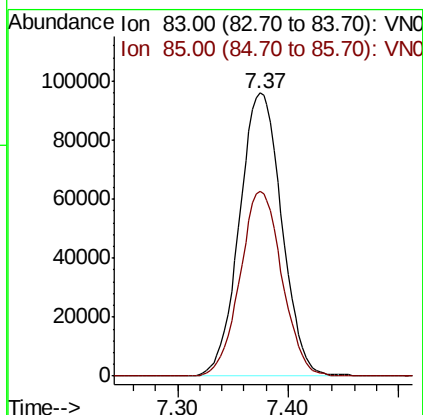
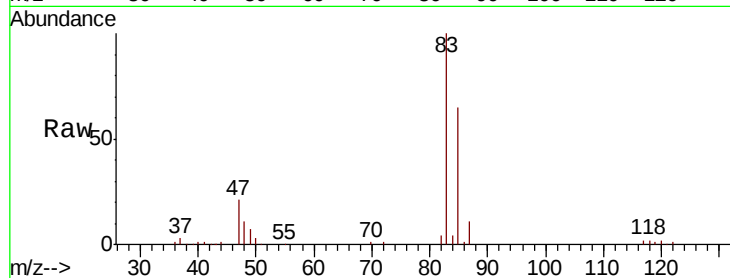




#25
Chloroform
Concen: 20.01 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

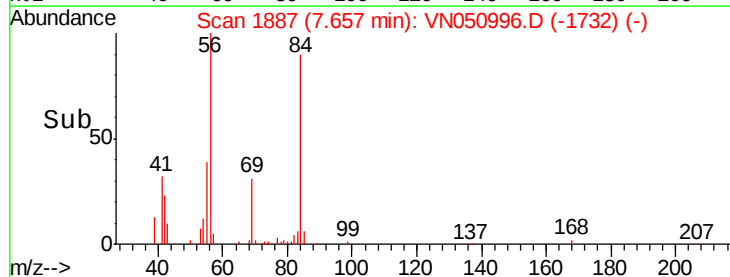
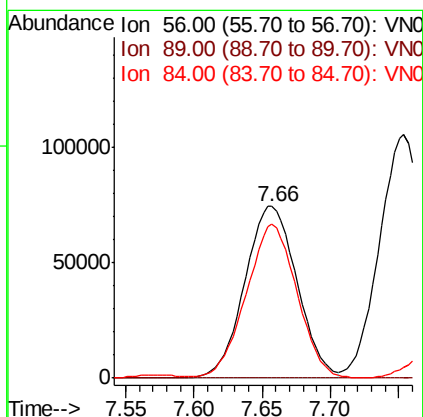
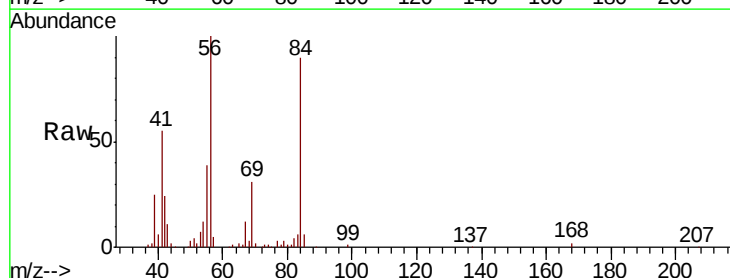
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

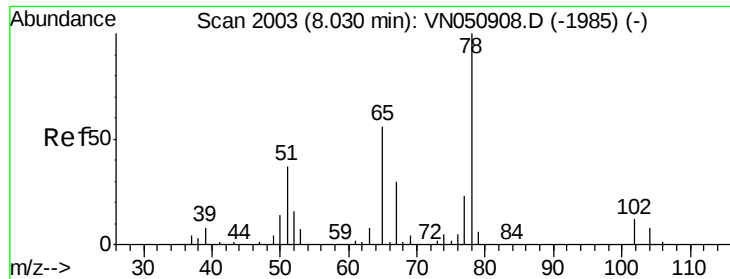
Tot Ion: 83 Resp: 255530
Ion Ratio Lower Upper
83 100
85 65.4 51.4 77.0



#26
Cyclohexane
Concen: 18.68 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 56 Resp: 198036
Ion Ratio Lower Upper
56 100
89 0.0 0.4 0.6#
84 87.2 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 29.55 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

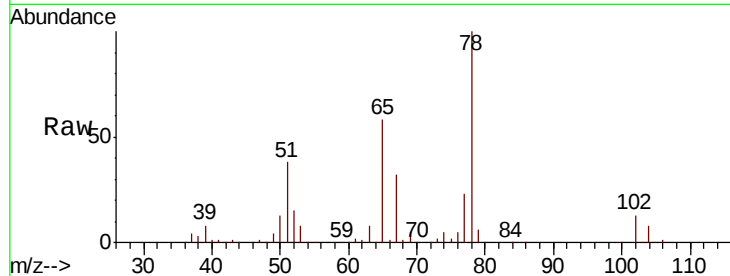
VSTDCCC020

Tot Ion: 65 Resp: 222996

Ion Ratio Lower Upper

65 100

67 55.1 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050996.D (-2003) (-)

Ion 67.00 (66.70 to 67.70): VN050996.D (-2003) (-)

8.03

100000

80000

60000

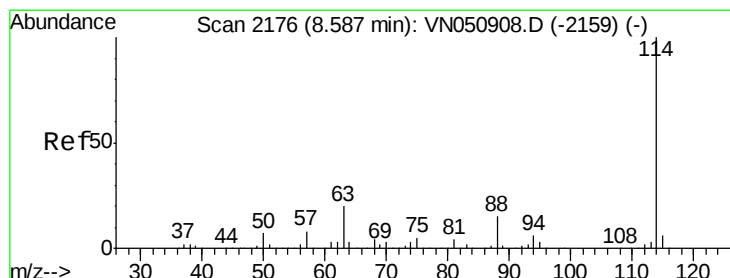
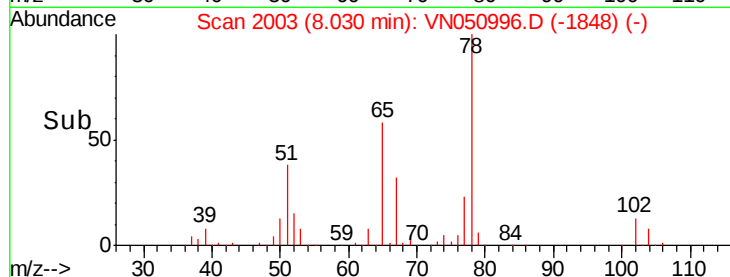
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

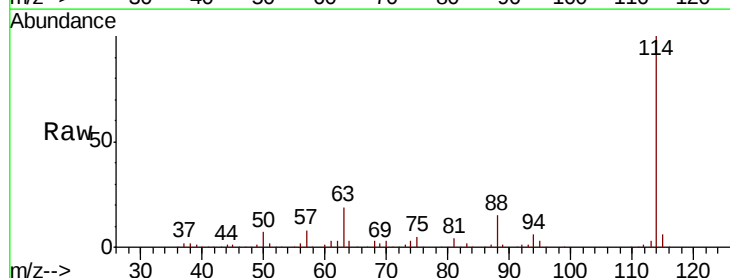
Tgt Ion:114 Resp: 644081

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

88 14.9 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050996.D (-2177) (-)

Ion 63.00 (62.70 to 63.70): VN050996.D (-2177) (-)

Ion 88.00 (87.70 to 88.70): VN050996.D (-2177) (-)

8.59

400000

300000

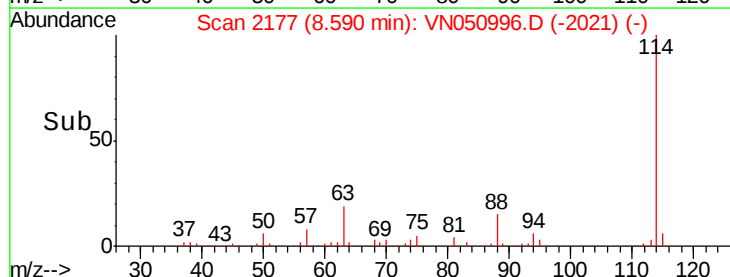
200000

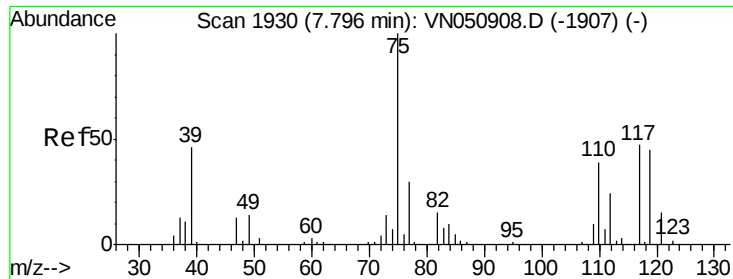
100000

0

8.50 8.60 8.70

Time-->

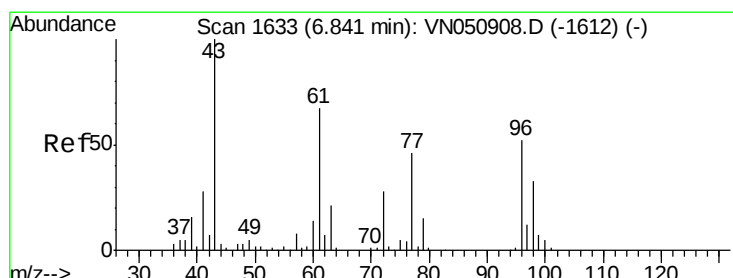
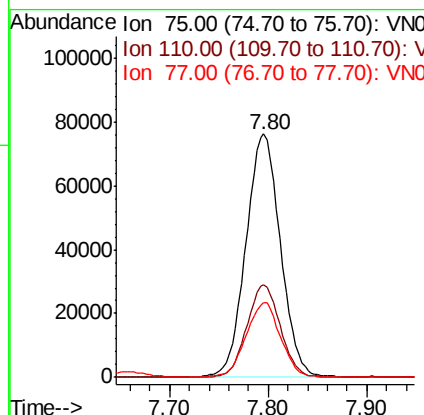
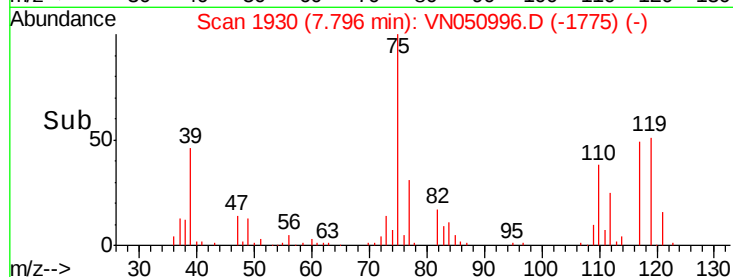
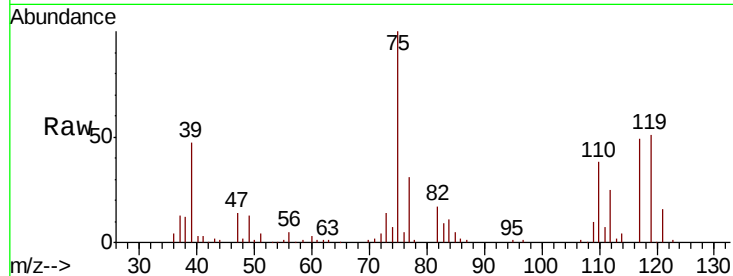




#29
 1,1-Dichloropropene
 Concen: 19.15 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

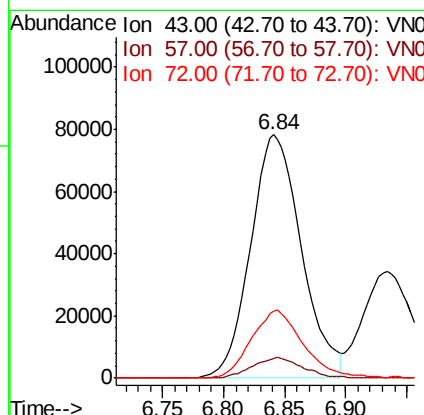
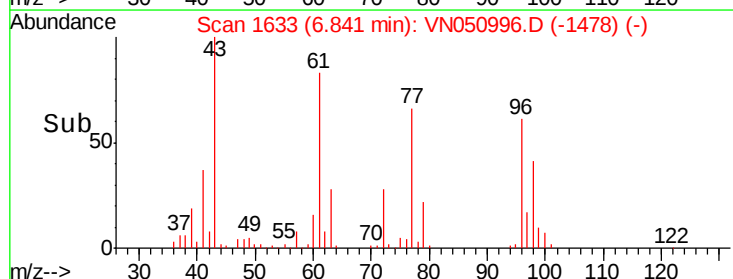
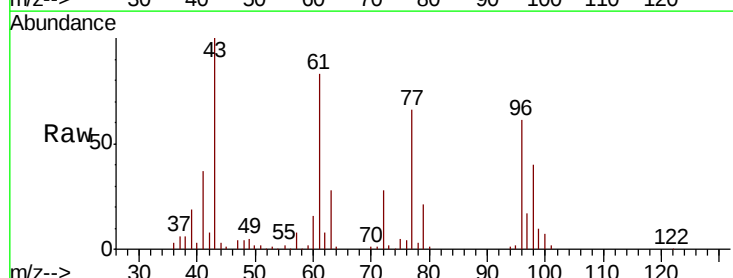
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

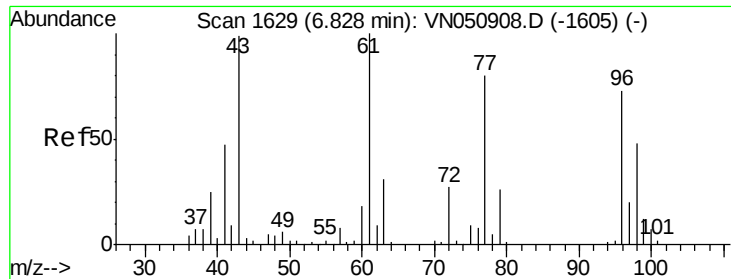
Tot Ion: 75 Resp: 184635
 Ion Ratio Lower Upper
 75 100
 110 36.8 0.0 75.0
 77 30.7 0.0 60.6



#30
 2-Butanone
 Concen: 76.04 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 43 Resp: 225556
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.9 10.3
 72 28.6 22.8 34.2





#31

2,2-Dichloropropane

Concen: 20.65 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

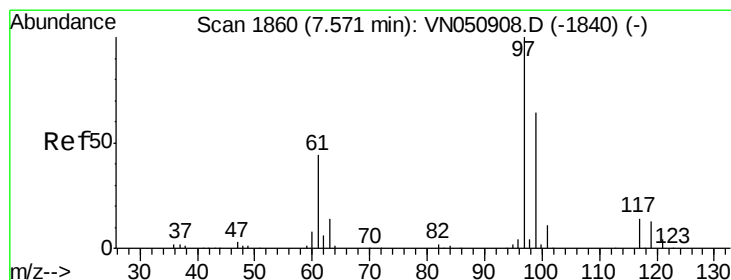
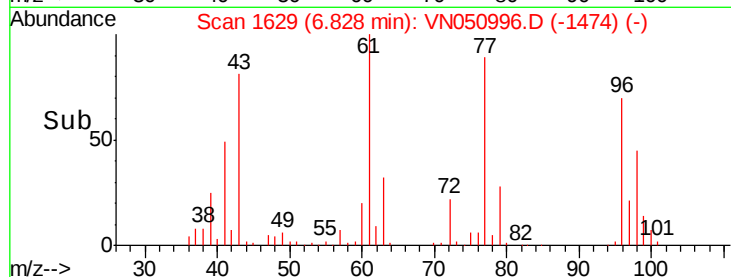
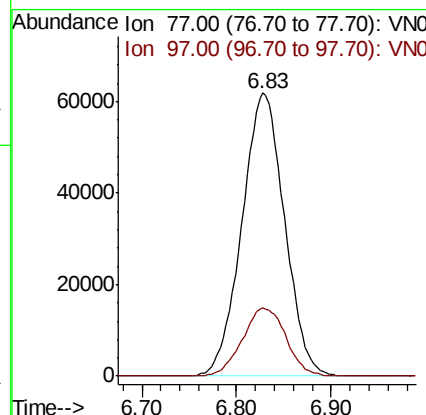
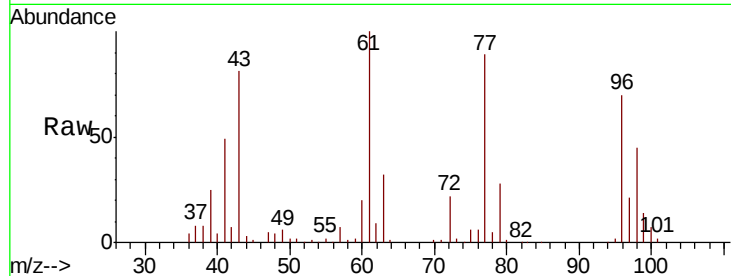
VSTDCCC020

Tot Ion: 77 Resp: 193769

Ion Ratio Lower Upper

77 100

97 24.5 20.2 30.2



#32

1,1,1-Trichloroethane

Concen: 19.68 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

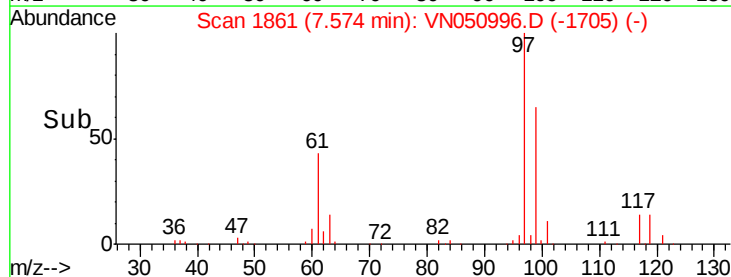
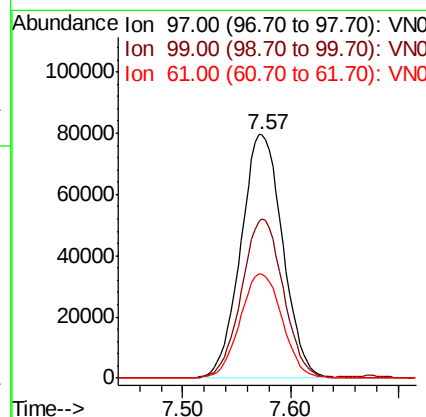
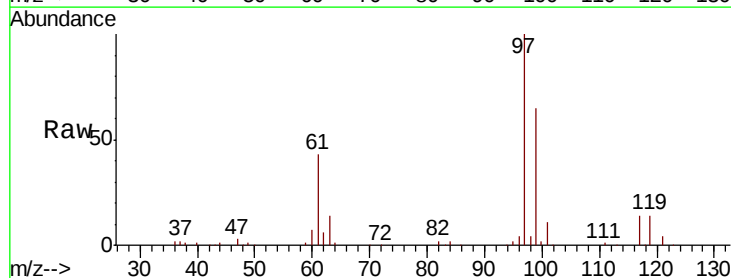
Tgt Ion: 97 Resp: 215193

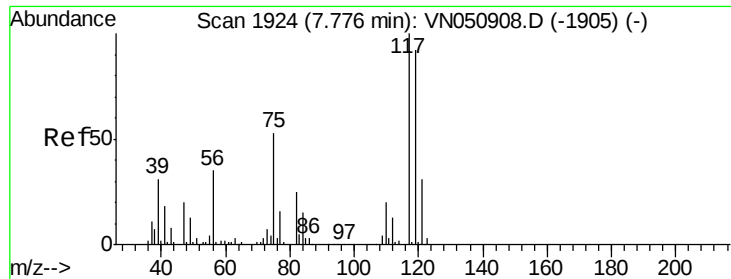
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 43.0 35.0 52.6

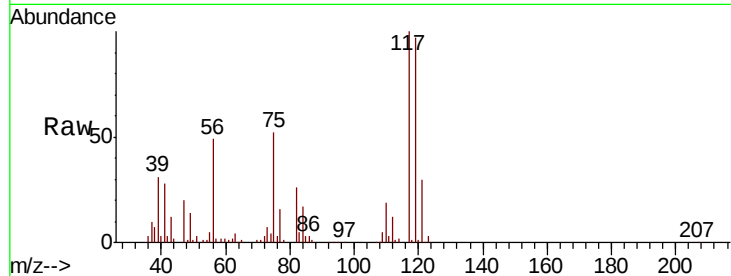




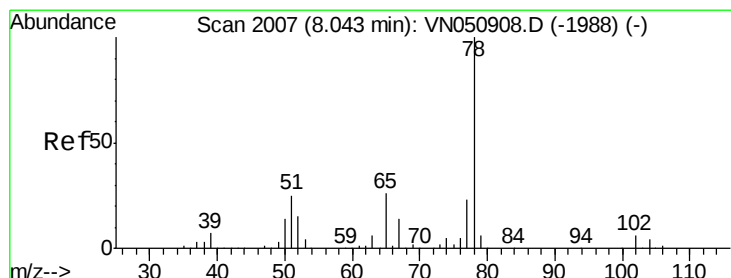
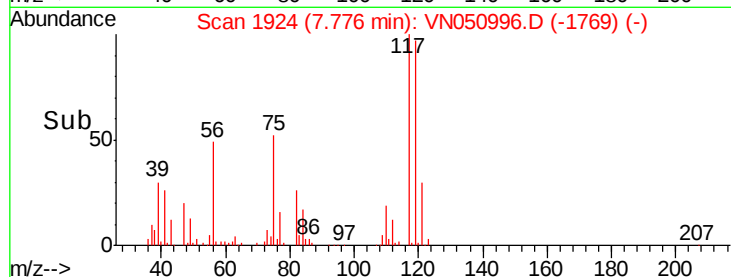
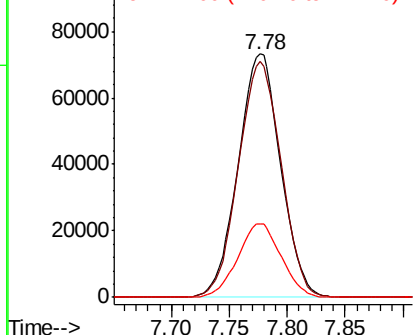
#33
Carbon Tetrachloride
Concen: 19.00 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 187074
Ion Ratio Lower Upper
117 100
119 96.7 73.5 110.3
121 30.2 24.6 37.0

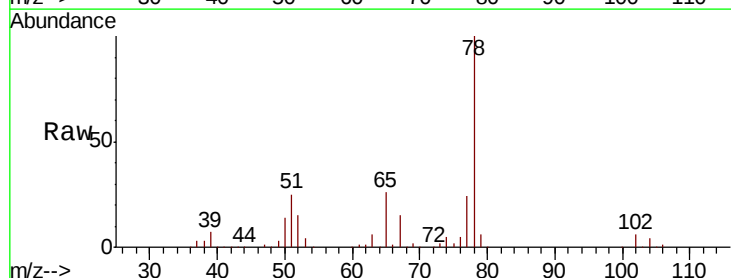


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

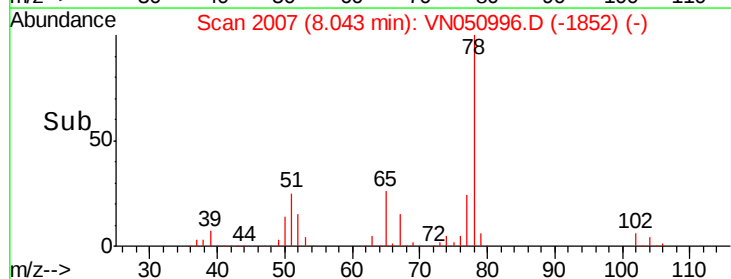
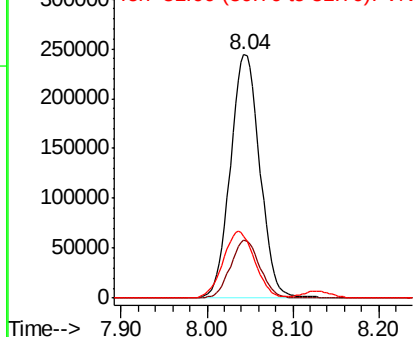


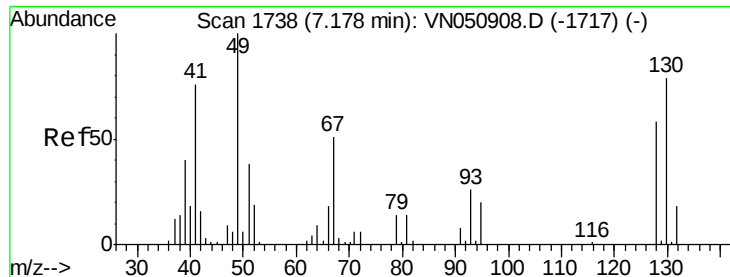
#34
Benzene
Concen: 19.47 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 78 Resp: 580670
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
51 25.2 20.0 30.0



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

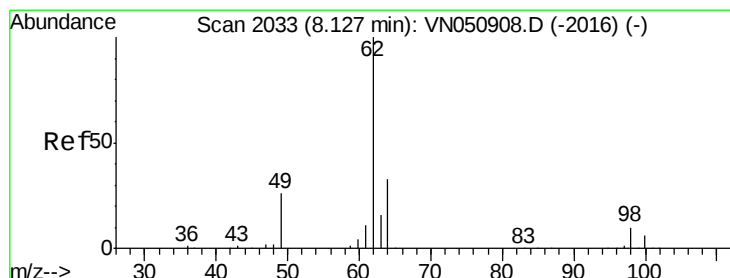
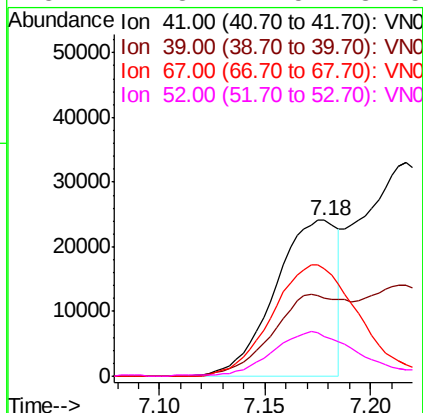
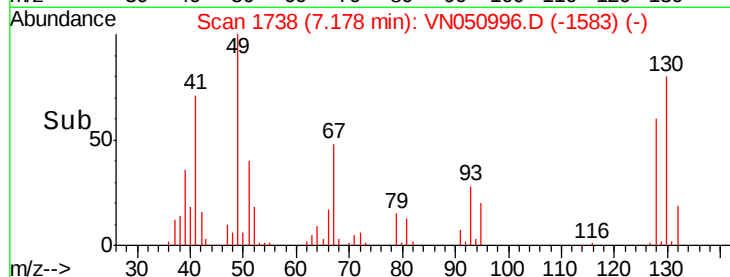
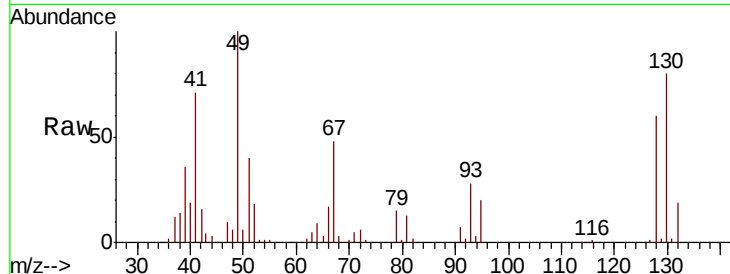




#35
Methacrylonitrile
Concen: 15.24 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

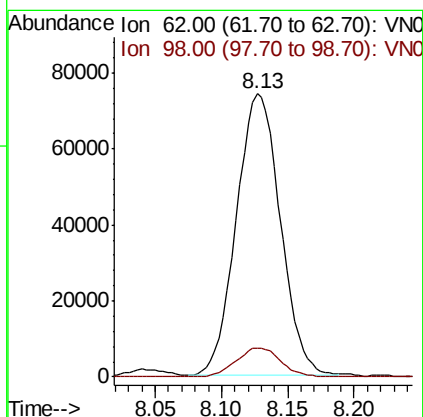
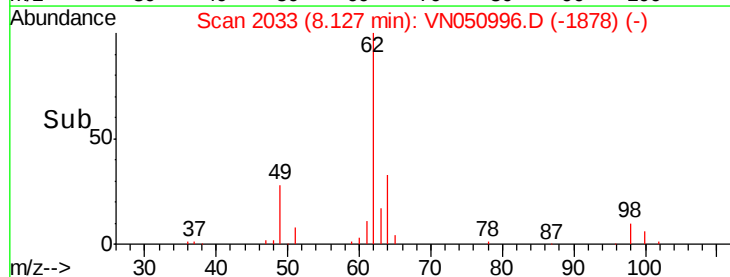
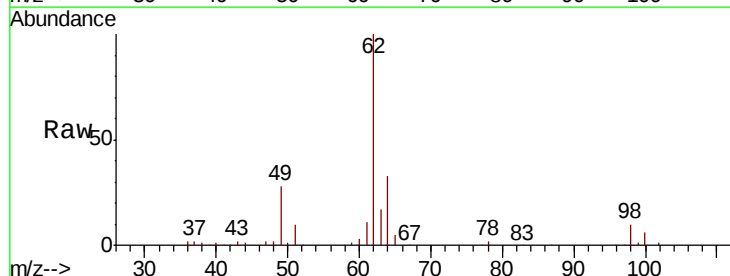
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

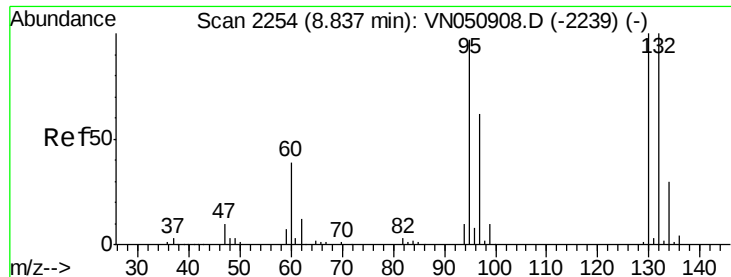
Tot Ion: 41 Resp: 49525
Ion Ratio Lower Upper
41 100
39 50.4 26.2 78.5
67 68.6 33.9 101.6
52 24.8 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 62 Resp: 171663
Ion Ratio Lower Upper
62 100
98 10.3 8.0 12.0





#37

Trichloroethene

Concen: 19.20 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

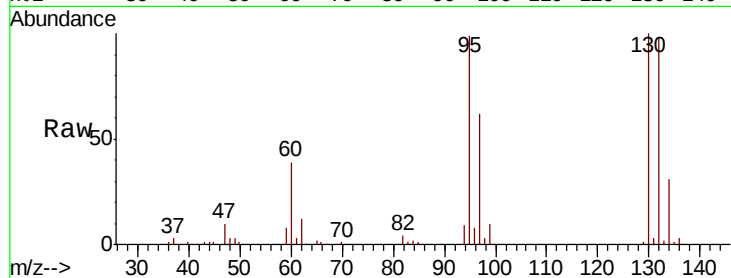
VSTDCCC020

Tot Ion:130 Resp: 149695

Ion Ratio Lower Upper

130 100

95 99.4 77.4 116.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

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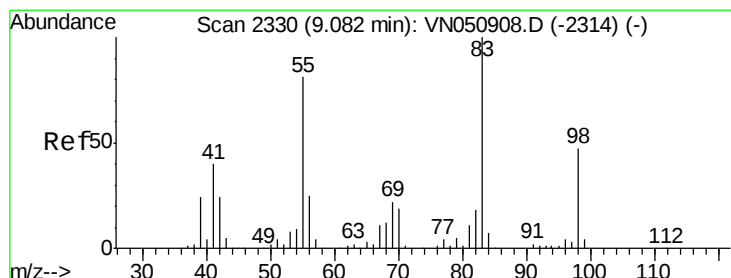
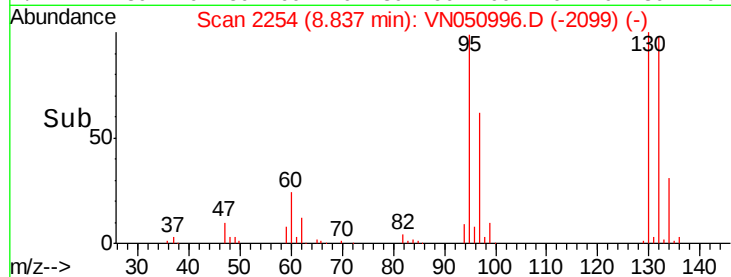
8.84

8.84

8.84

8.84

8.84



#38

Methylcyclohexane

Concen: 18.26 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

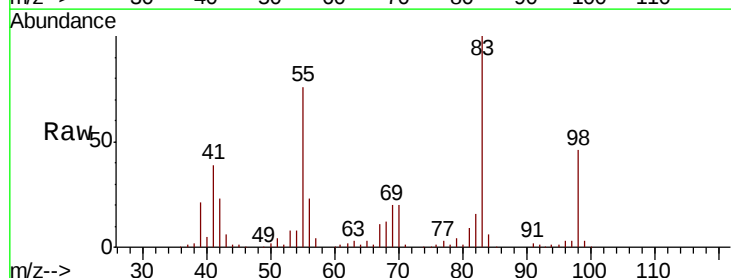
Tgt Ion: 83 Resp: 189137

Ion Ratio Lower Upper

83 100

55 77.2 38.9 116.7

98 46.2 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

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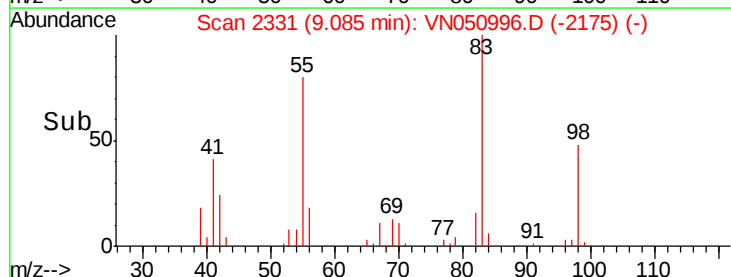
9.08

9.08

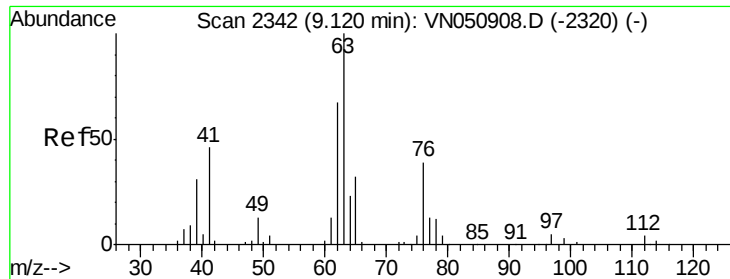
9.08

9.08

9.08



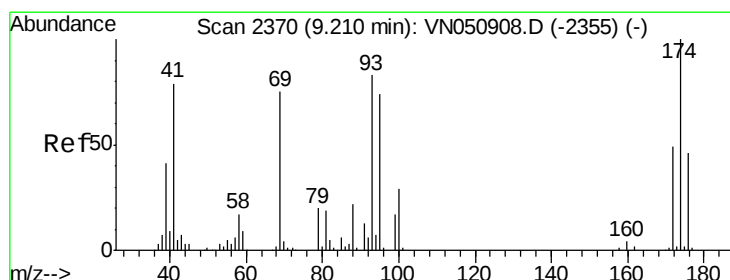
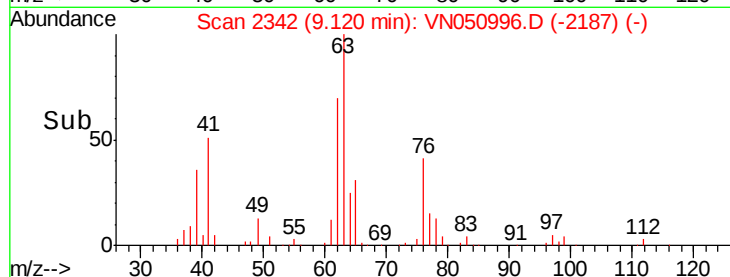
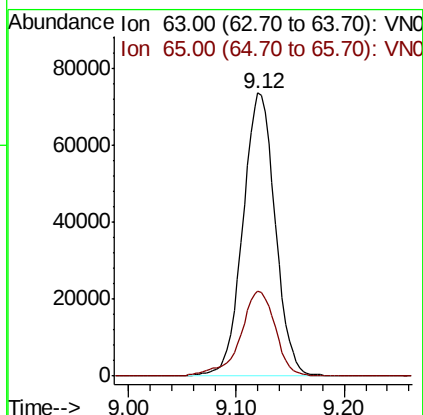
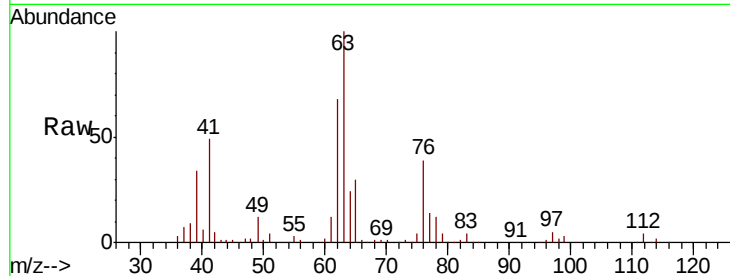
Time-->



#39
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

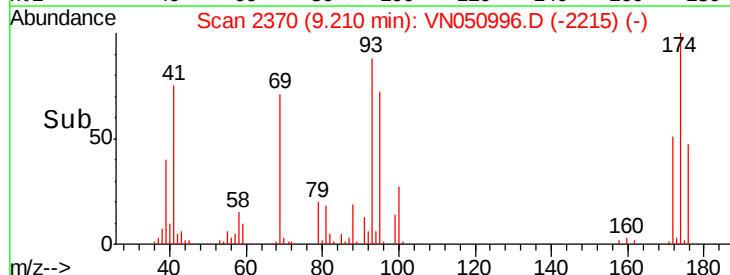
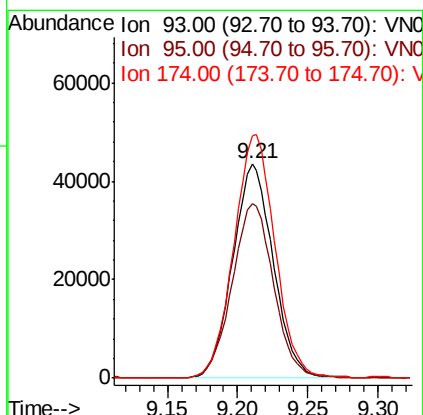
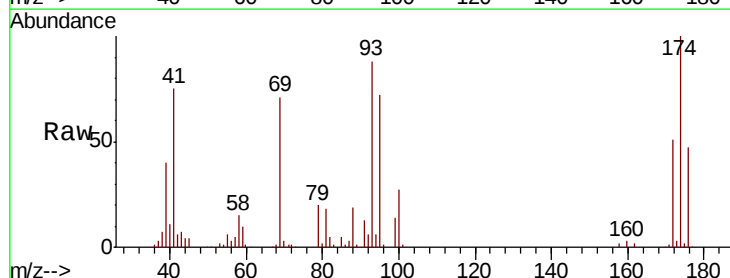
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

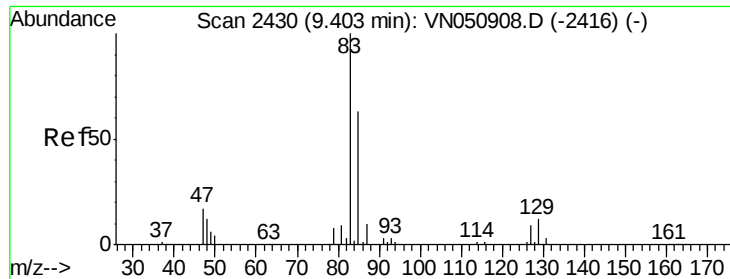
Tot Ion: 63 Resp: 153661
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.6 38.4



#40
 Dibromomethane
 Concen: 18.68 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 93 Resp: 87663
 Ion Ratio Lower Upper
 93 100
 95 83.0 0.0 173.4
 174 115.5 0.0 234.8





#41

Bromodichloromethane

Concen: 19.17 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

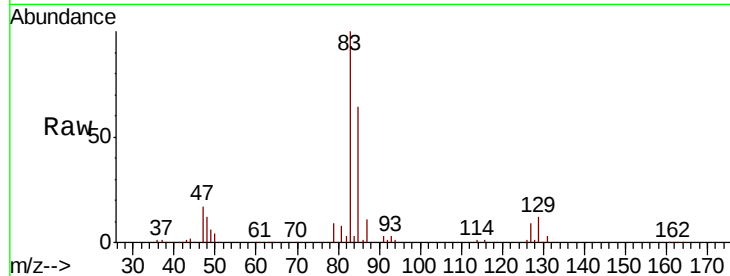
Tot Ion: 83 Resp: 189626

Ion Ratio Lower Upper

83 100

85 64.0 50.6 76.0

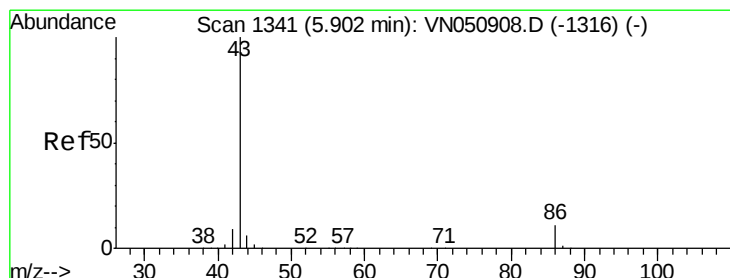
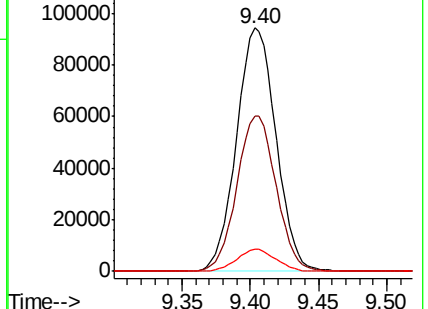
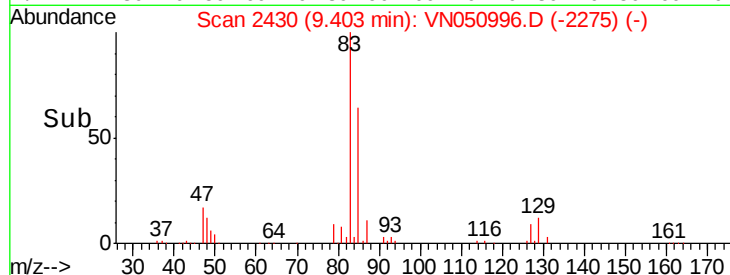
127 9.1 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN050996.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN050996.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN050996.D (-2275) (-)



#42

Vinyl Acetate

Concen: 86.54 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050996.D

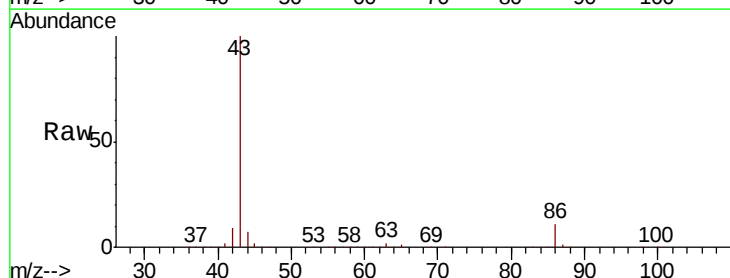
Acq: 31 Aug 2018 18:32

Tgt Ion: 43 Resp: 1182462

Ion Ratio Lower Upper

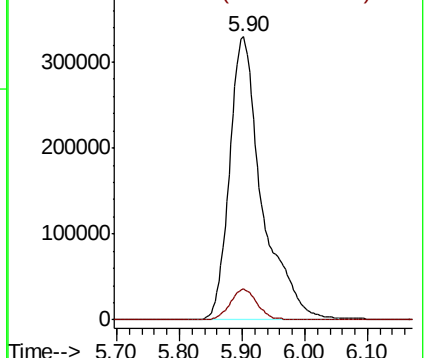
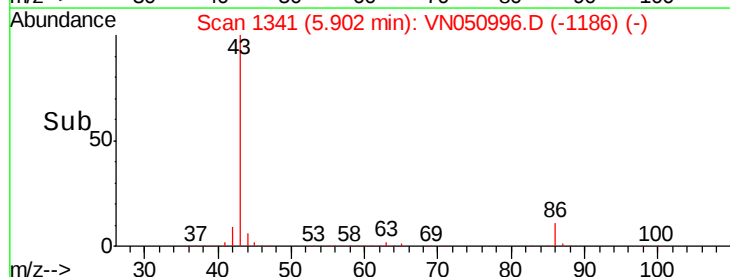
43 100

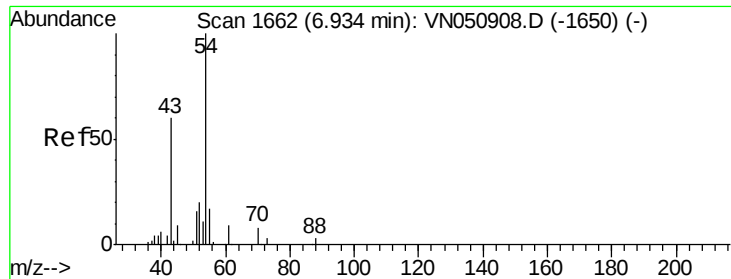
86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN050996.D (-1186) (-)

Ion 86.00 (85.70 to 86.70): VN050996.D (-1186) (-)

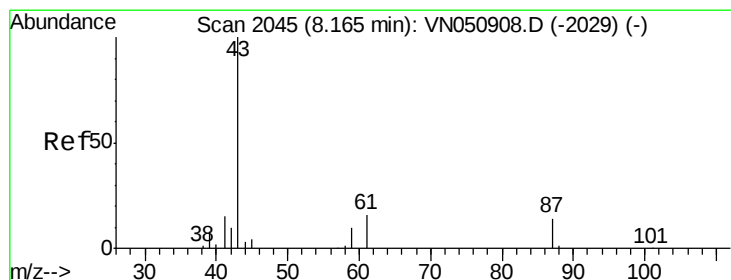
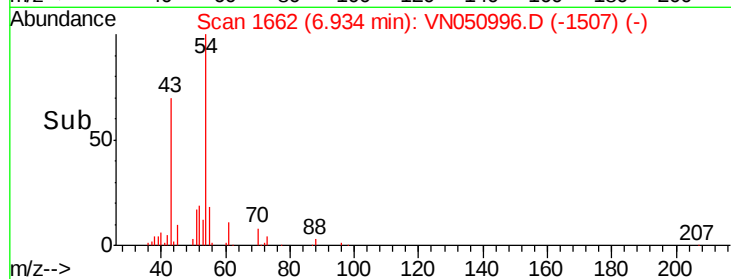
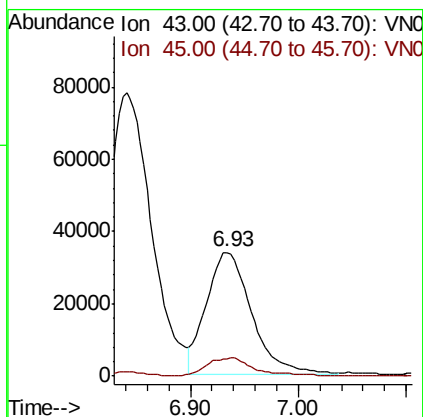
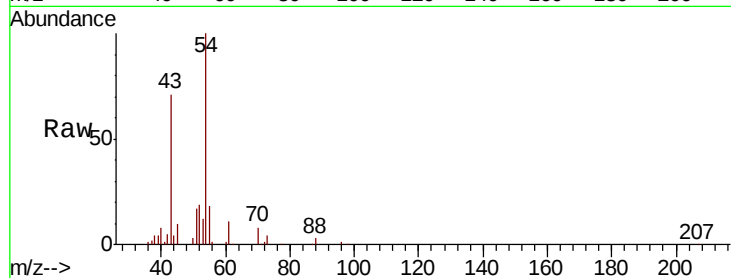




#43
Ethyl Acetate
Concen: 16.29 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

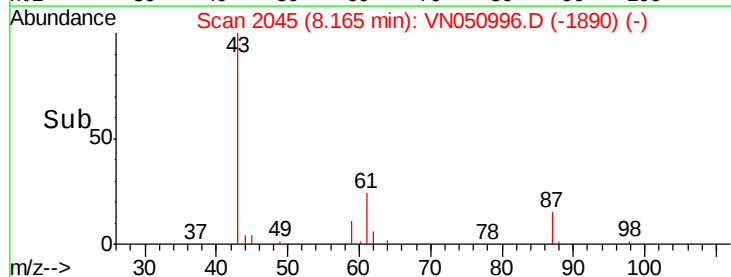
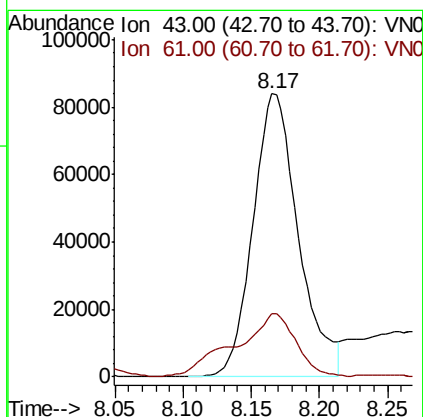
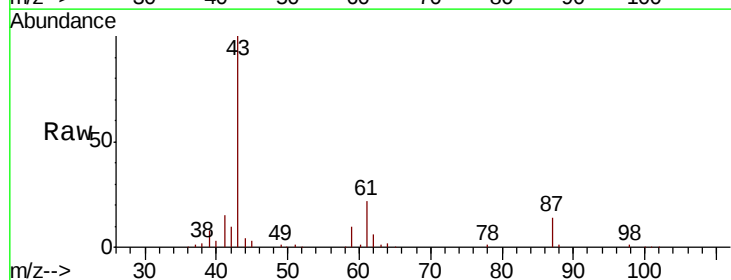
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

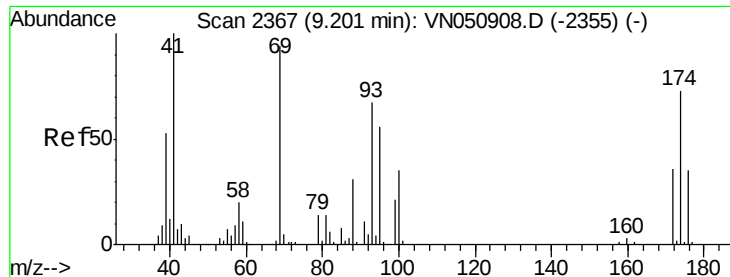
Tot Ion: 43 Resp: 99009
Ion Ratio Lower Upper
43 100
45 13.4 10.2 15.2



#44
Isopropyl Acetate
Concen: 18.03 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 43 Resp: 193383
Ion Ratio Lower Upper
43 100
61 19.2 16.3 24.5

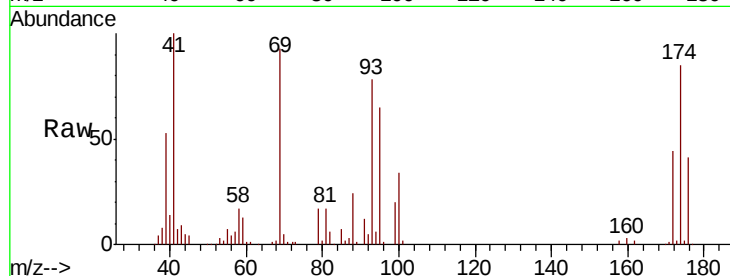




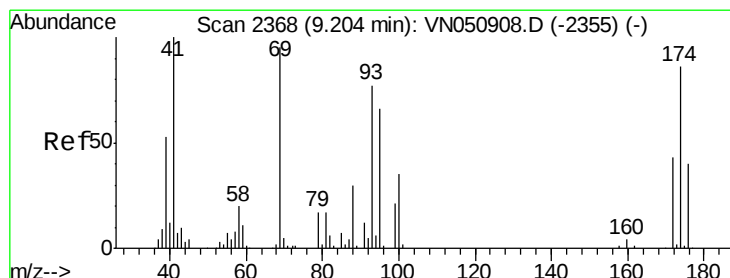
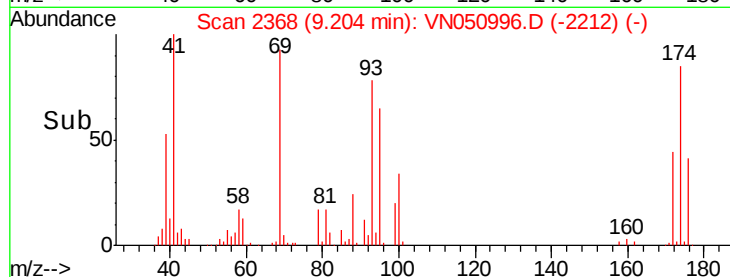
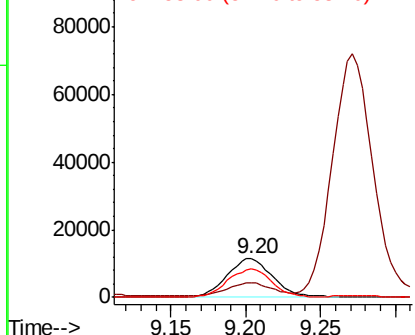
#45
 1,4-Dioxane
 Concen: 306.63 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 24424
 Ion Ratio Lower Upper
 88 100
 43 32.4 23.5 35.3
 58 71.9 55.2 82.8

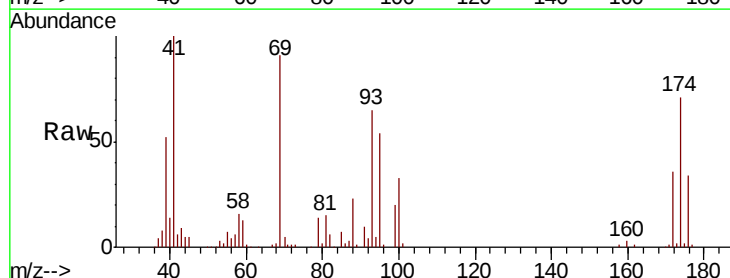


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

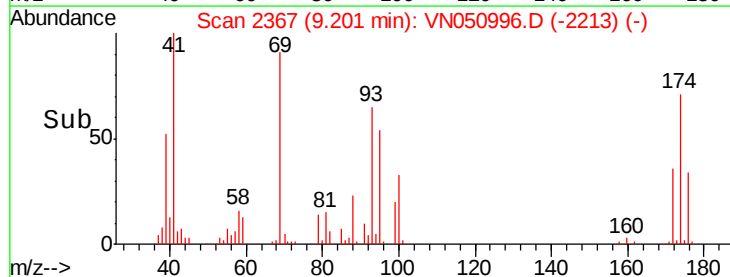
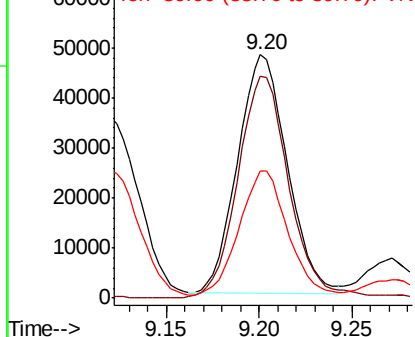


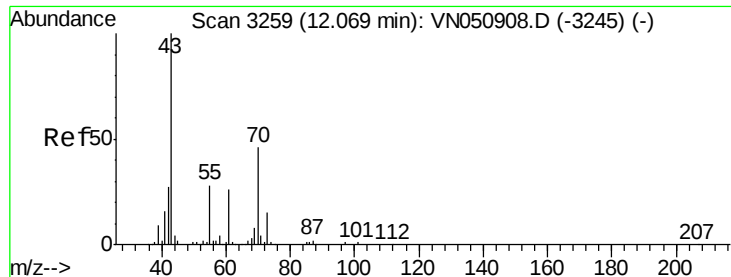
#46
 Methyl methacrylate
 Concen: 16.58 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 41 Resp: 89024
 Ion Ratio Lower Upper
 41 100
 69 92.7 47.4 142.2
 39 51.9 26.6 79.7



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





#47

n-amvl Acetate

Concen: 14.73 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

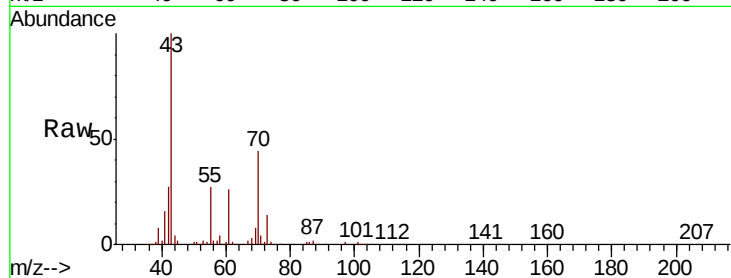
VSTDCCC020

Tot Ion: 43 Resp: 127003

Ion Ratio Lower Upper

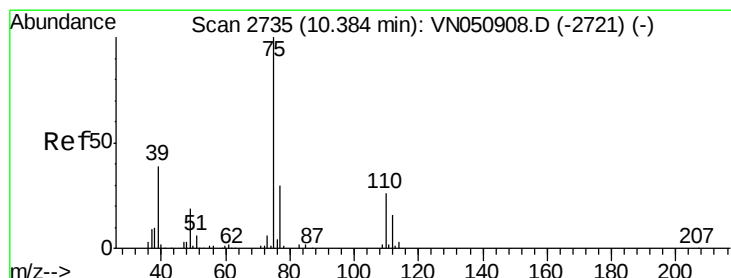
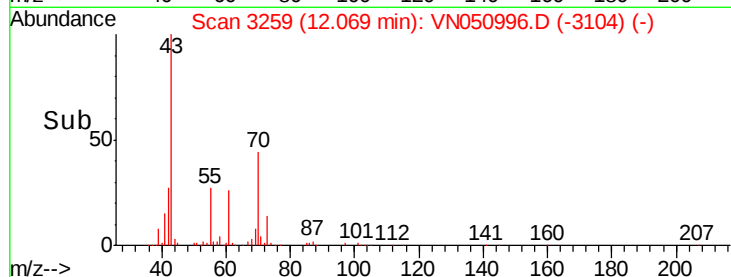
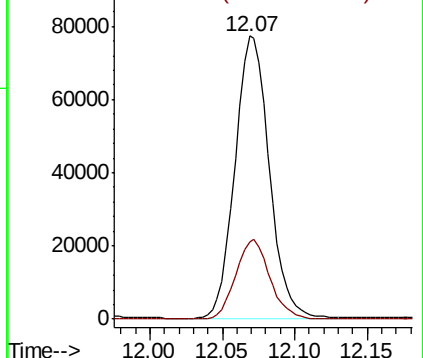
43 100

55 28.1 23.0 34.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050996.D

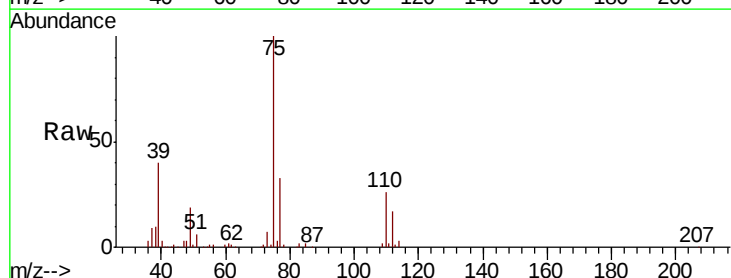
Acq: 31 Aug 2018 18:32

Tgt Ion: 75 Resp: 170108

Ion Ratio Lower Upper

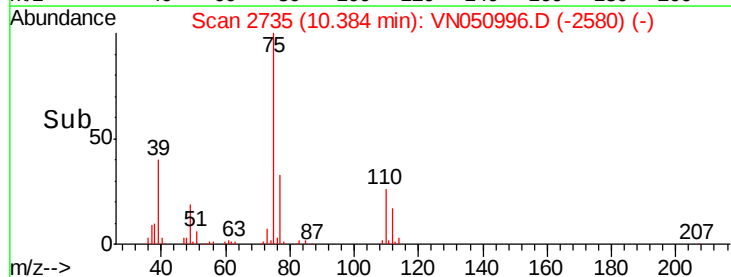
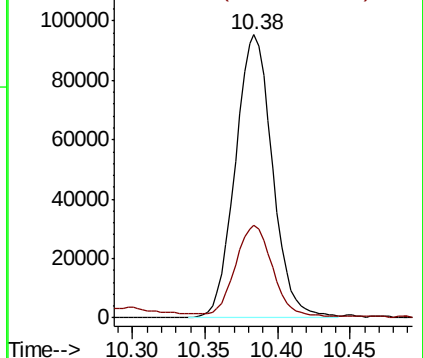
75 100

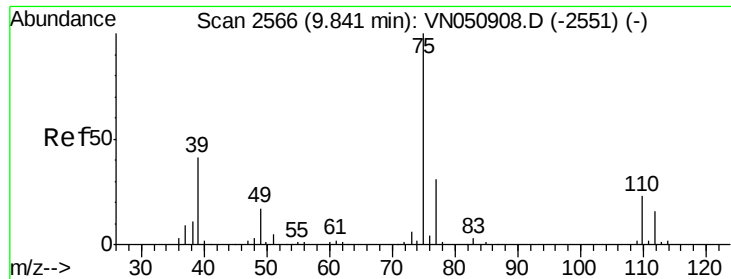
77 31.8 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

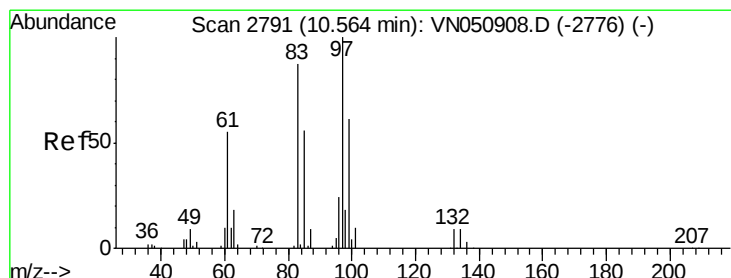
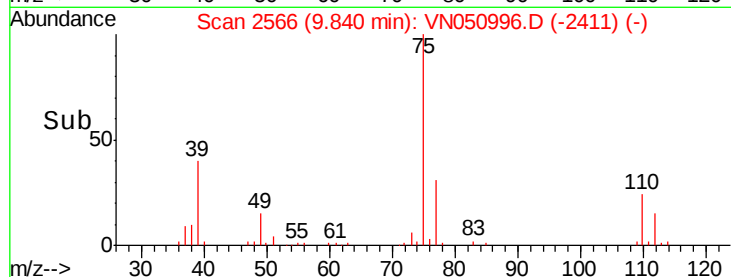
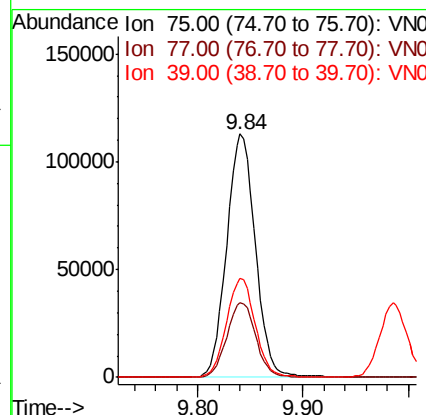
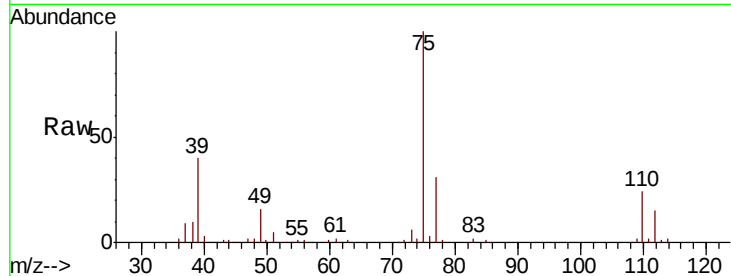




#49
 cis-1,3-Dichloropropene
 Concen: 19.09 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

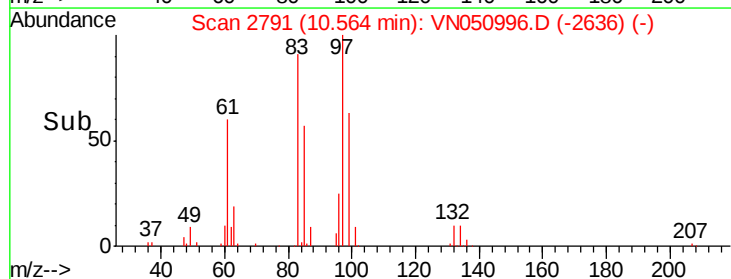
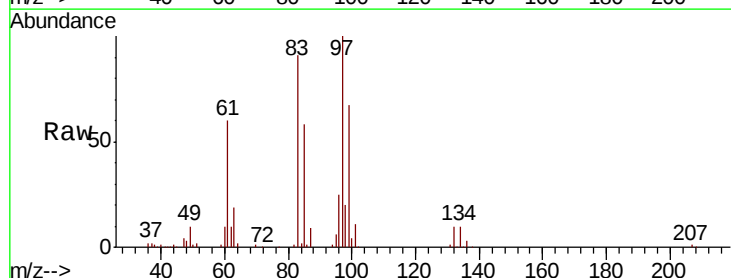
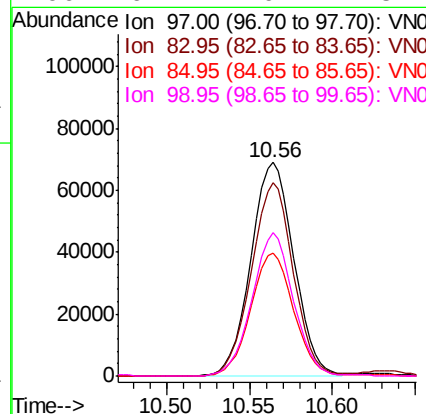
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

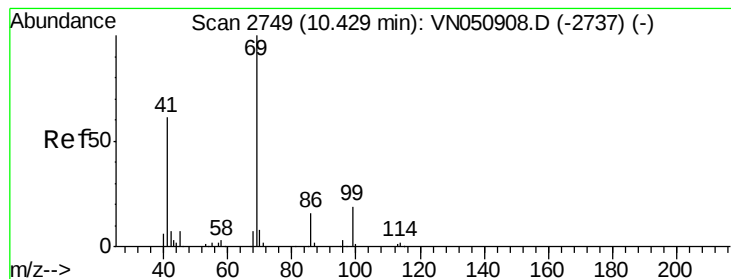
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.4
39	40.4	32.9	49.3



#50
 1,1,2-Trichloroethane
 Concen: 18.28 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.5	69.8	104.6
85	57.7	45.0	67.6
99	67.1	49.1	73.7





#51

Ethyl methacrylate

Concen: 16.15 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

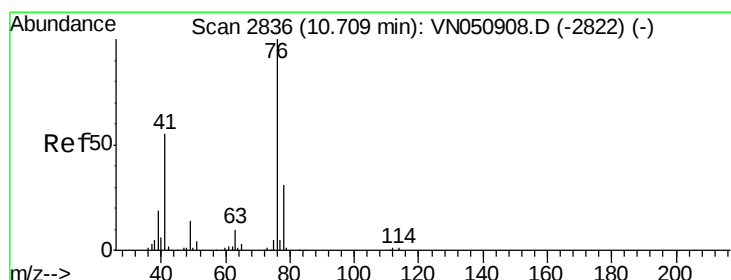
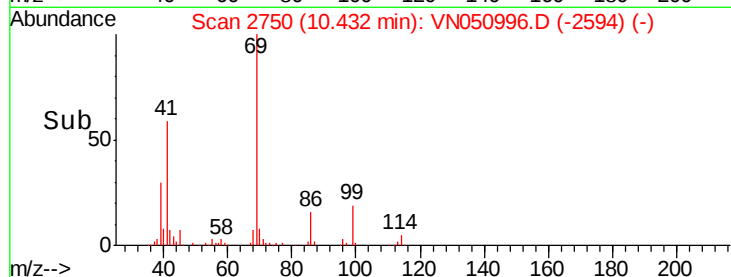
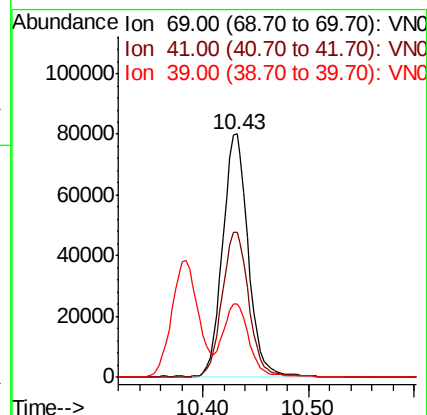
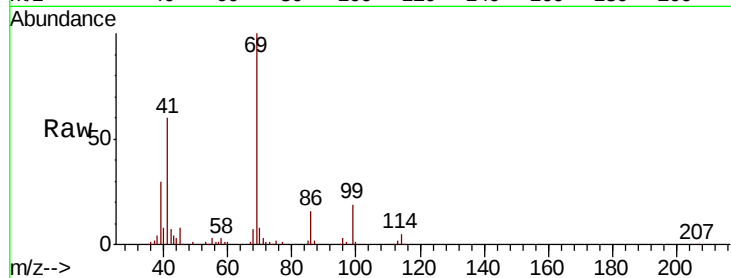
Tot Ion: 69 Resp: 134771

Ion Ratio Lower Upper

69 100

41 59.3 30.5 91.5

39 30.1 15.3 45.8



#52

1,3-Dichloropropane

Concen: 18.19 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050996.D

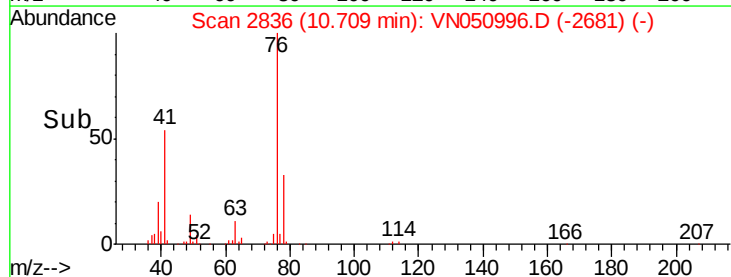
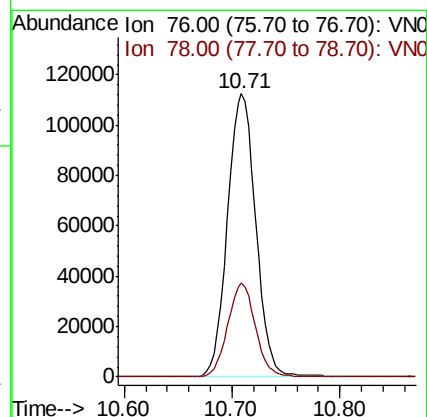
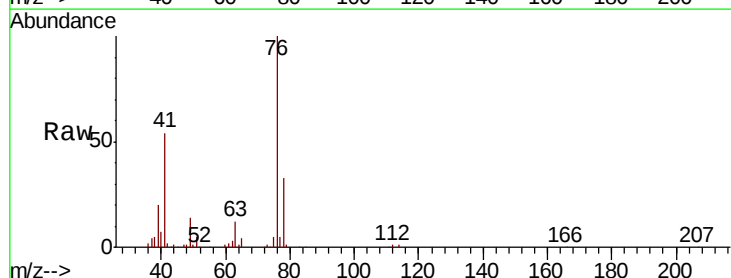
Acq: 31 Aug 2018 18:32

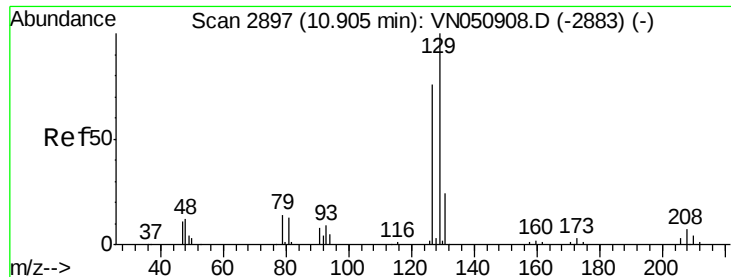
Tgt Ion: 76 Resp: 205493

Ion Ratio Lower Upper

76 100

78 32.4 0.0 63.4





#53

Dibromochloromethane

Concen: 18.05 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

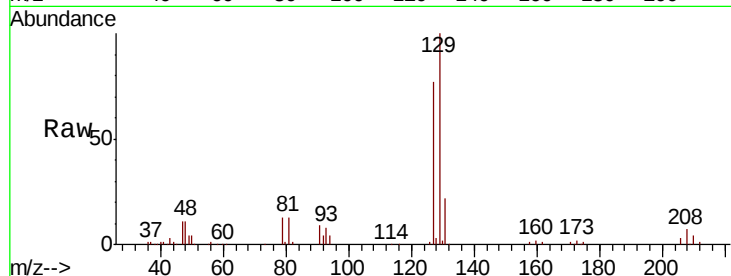
VSTDCCC020

Tot Ion:129 Resp: 139967

Ion Ratio Lower Upper

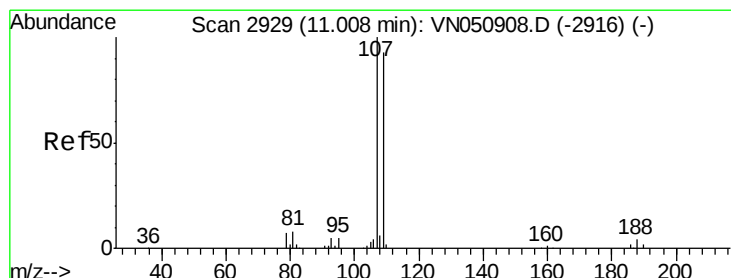
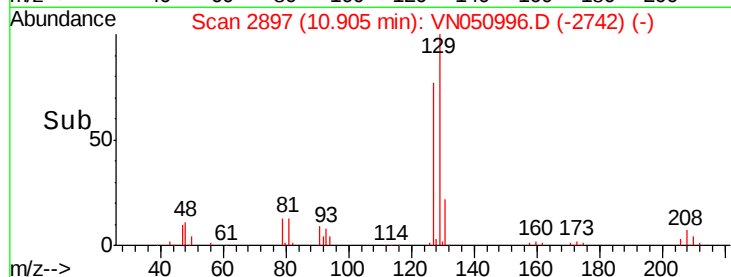
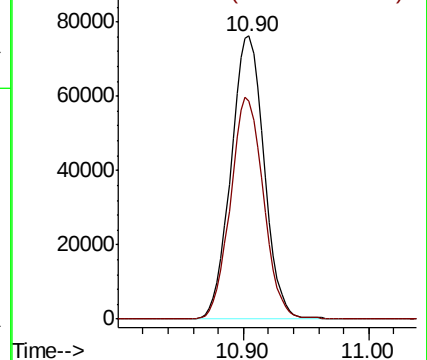
129 100

127 78.0 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.69 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050996.D

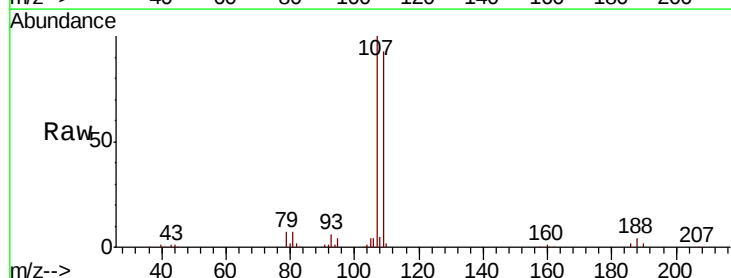
Acq: 31 Aug 2018 18:32

Tgt Ion:107 Resp: 119299

Ion Ratio Lower Upper

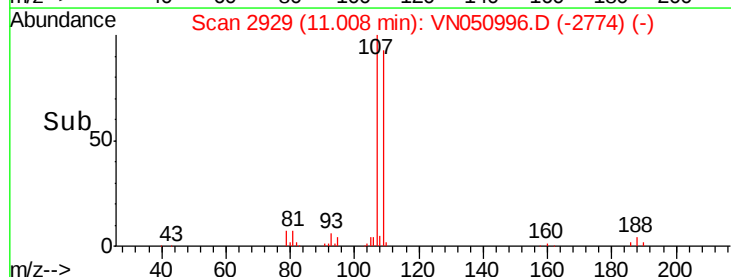
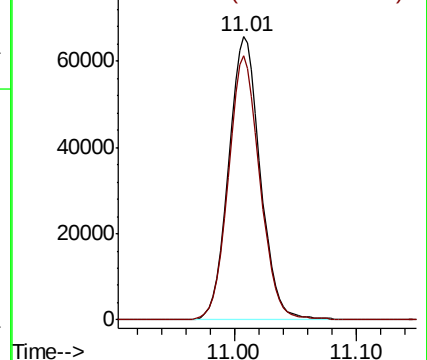
107 100

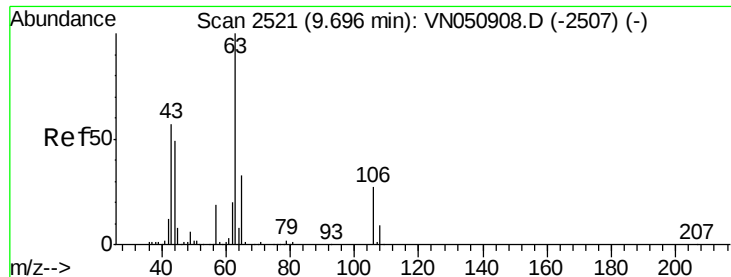
109 92.5 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

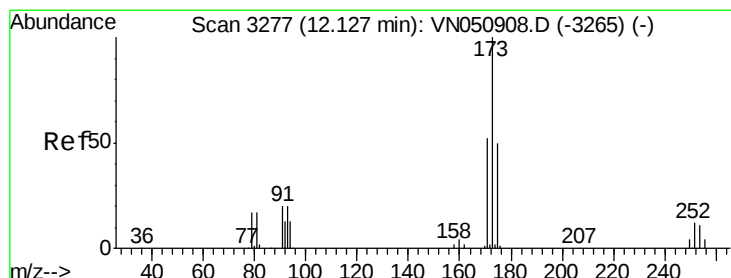
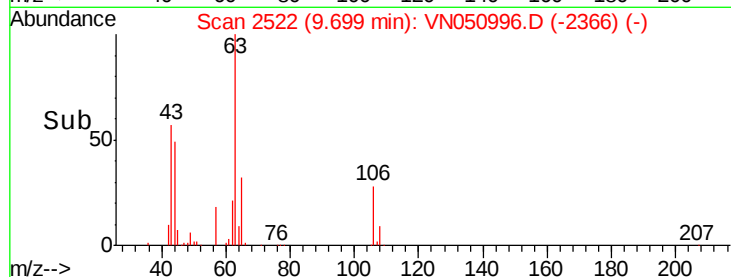
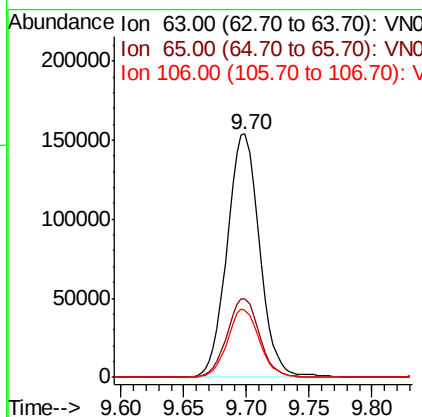
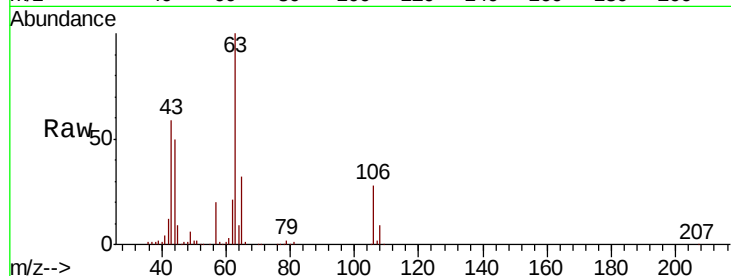




#55
2-Chloroethyl vinyl ether
Concen: 80.10 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

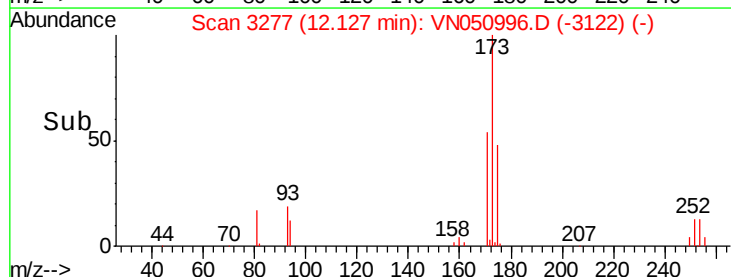
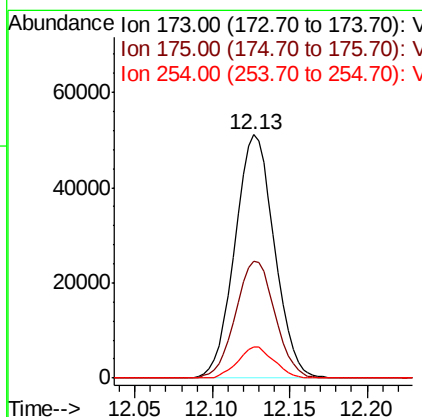
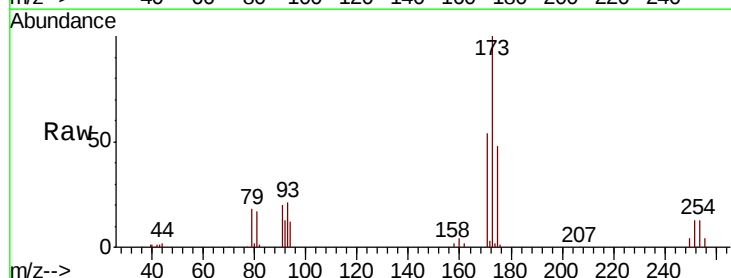
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

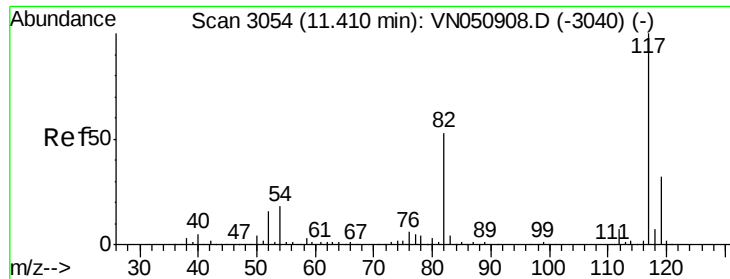
Tot Ion: 63 Resp: 278053
Ion Ratio Lower Upper
63 100
65 32.3 25.4 38.2
106 27.6 22.0 33.0



#56
Bromoform
Concen: 16.46 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 173 Resp: 90777
Ion Ratio Lower Upper
173 100
175 47.9 39.2 58.8
254 11.8 9.0 13.6

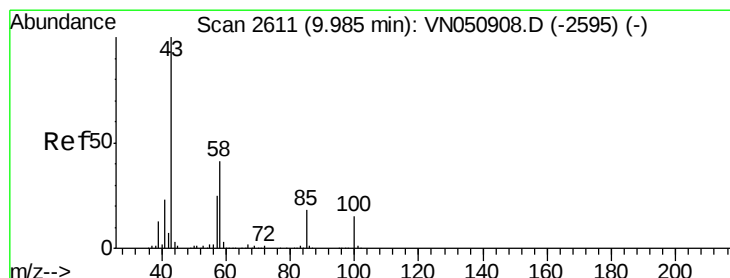
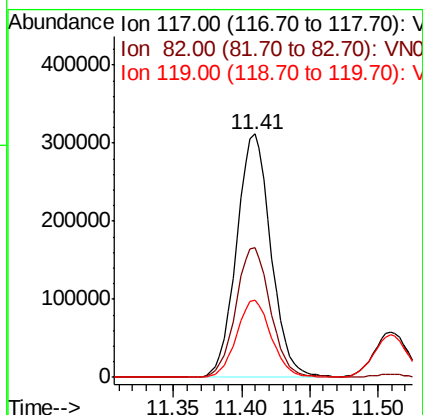
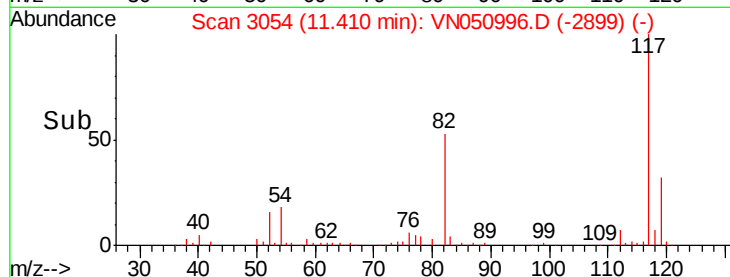
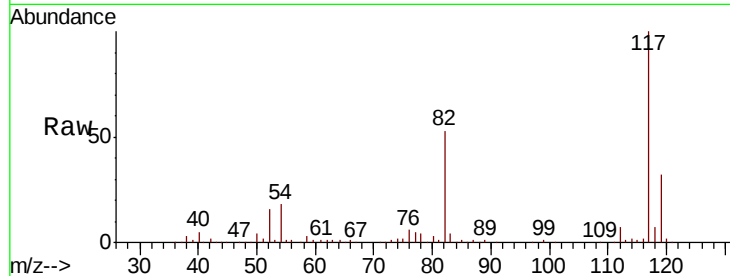




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

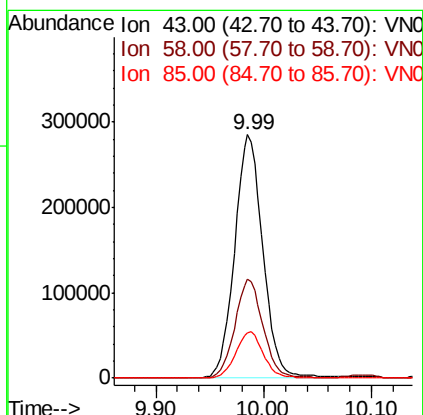
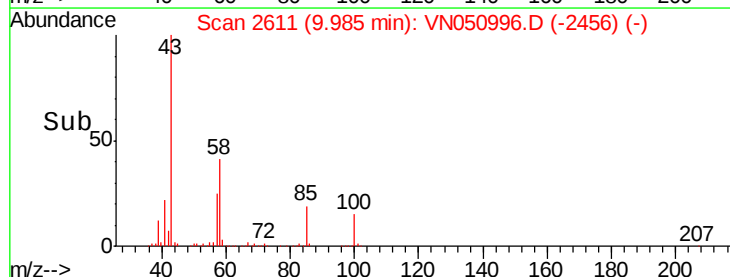
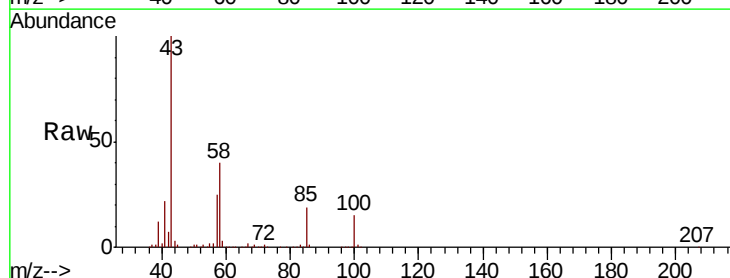
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

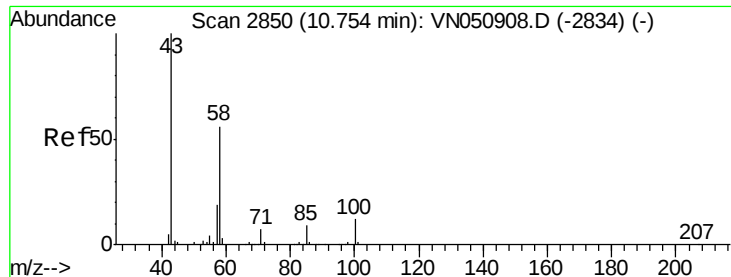
Tot Ion:117 Resp: 544348
Ion Ratio Lower Upper
117 100
82 54.0 42.6 64.0
119 32.1 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 83.26 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 43 Resp: 518550
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5
85 18.7 14.9 22.3

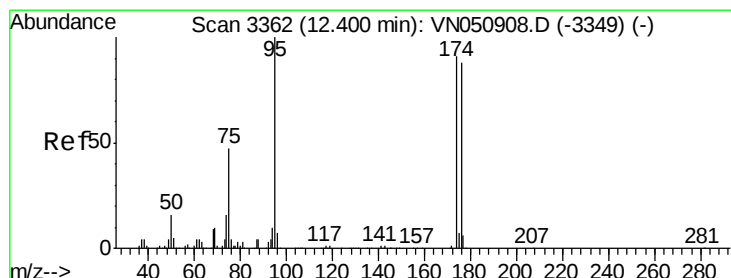
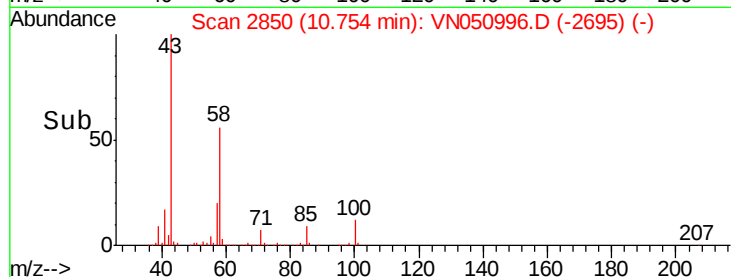
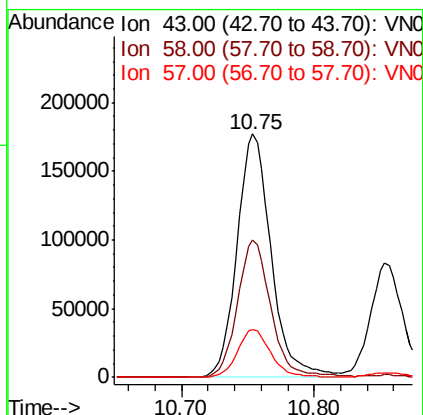
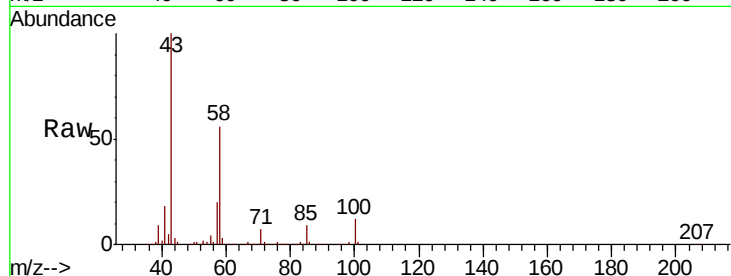




#59
2-Hexanone
Concen: 77.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

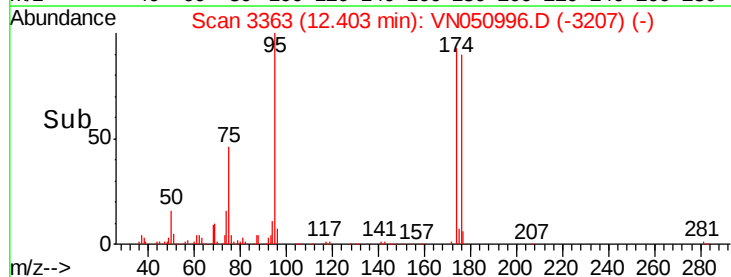
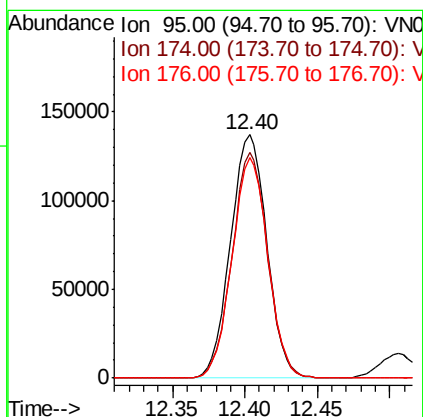
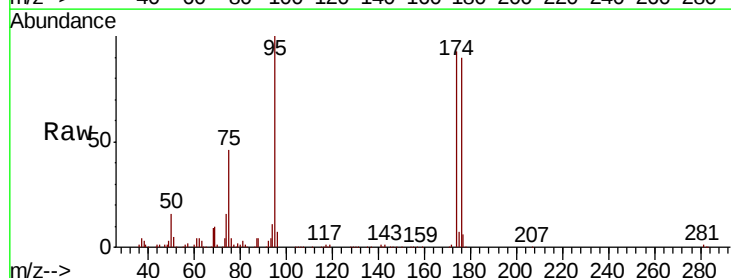
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

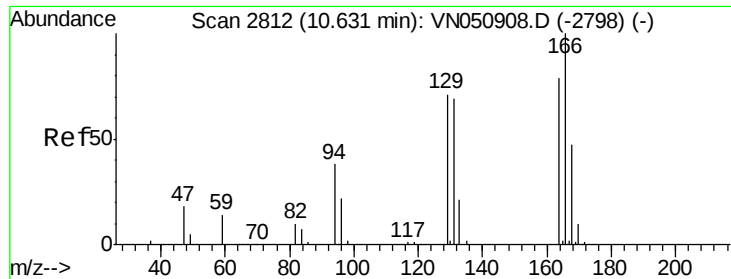
Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	45.5	68.3
57	19.2	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 29.51 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	74.6	112.0
176	89.2	71.5	107.3

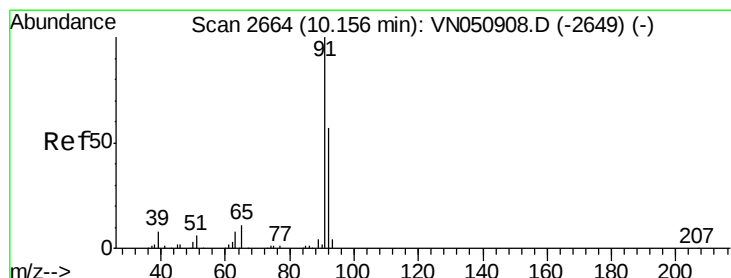
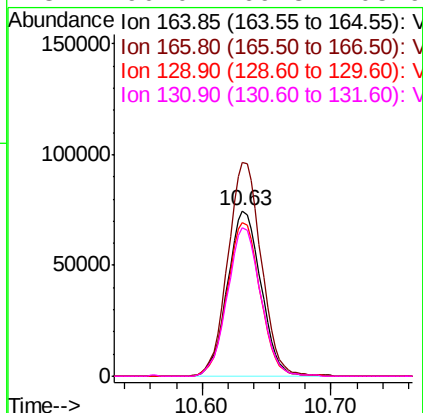
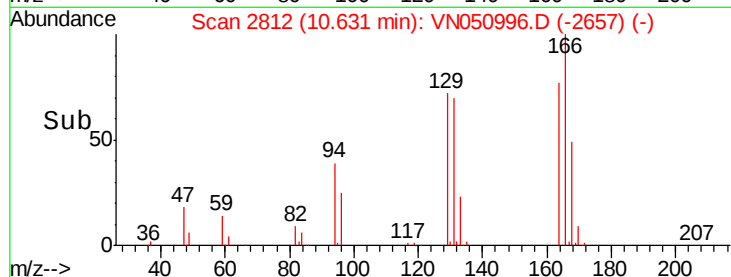
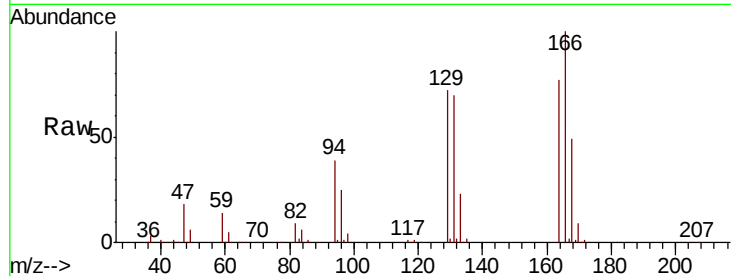




#61
Tetrachloroethene
Concen: 19.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

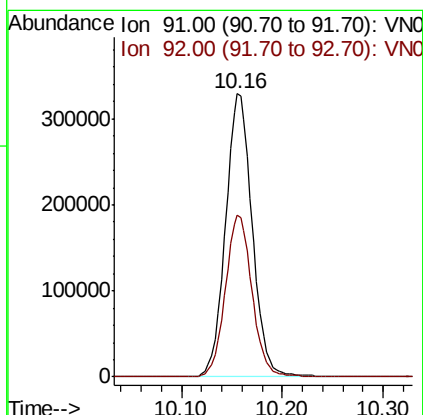
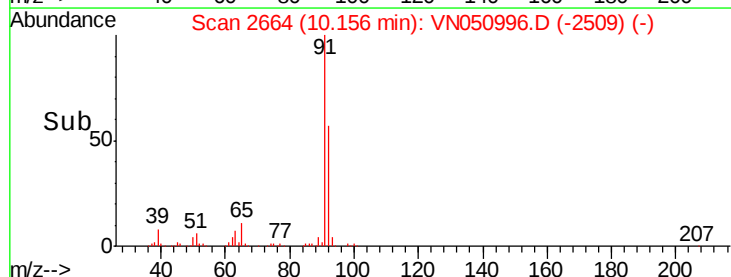
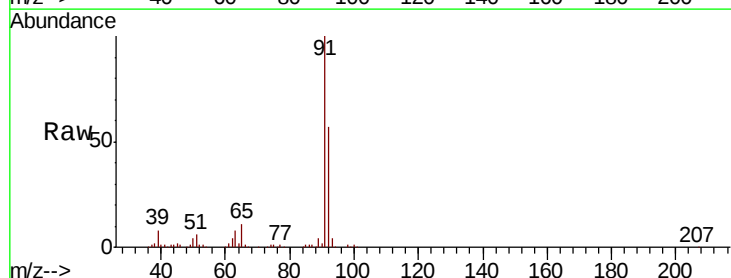
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

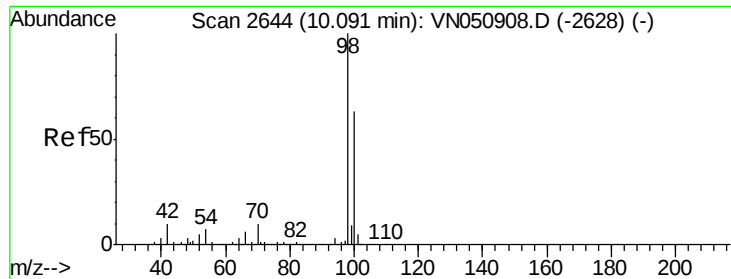
Tot Ion:164 Resp: 134684
Ion Ratio Lower Upper
164 100
166 128.9 100.6 151.0
129 93.2 71.0 106.6
131 90.0 69.3 103.9



#62
Toluene
Concen: 19.98 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion: 91 Resp: 606620
Ion Ratio Lower Upper
91 100
92 57.2 45.8 68.8





#63

Toluene-d8

Concen: 31.01 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

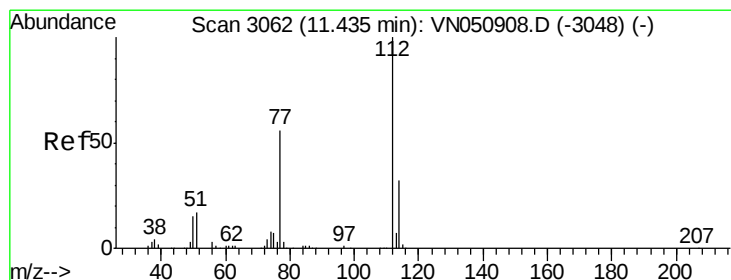
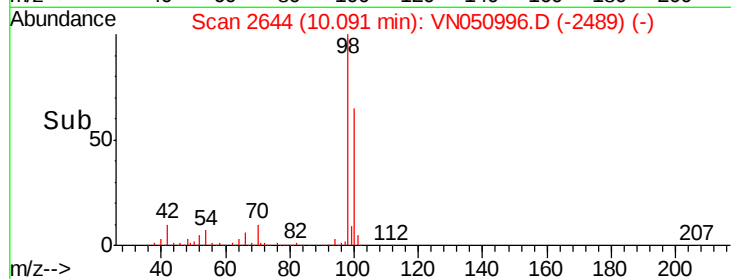
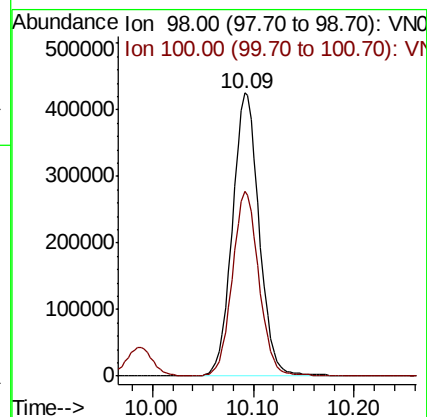
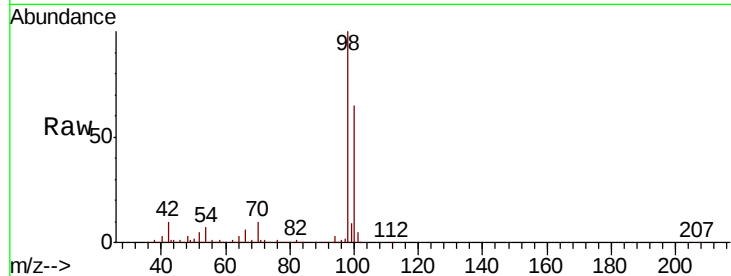
VSTDCCC020

Tot Ion: 98 Resp: 787264

Ion Ratio Lower Upper

98 100

100 65.0 50.6 75.8



#64

Chlorobenzene

Concen: 19.48 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050996.D

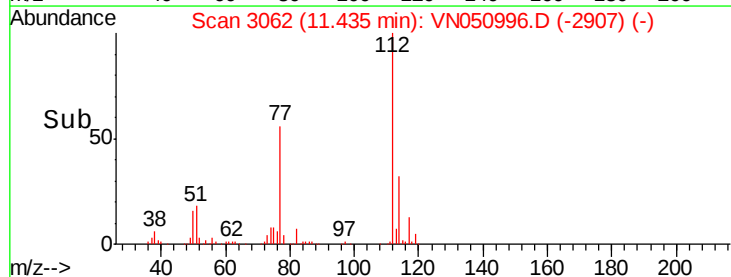
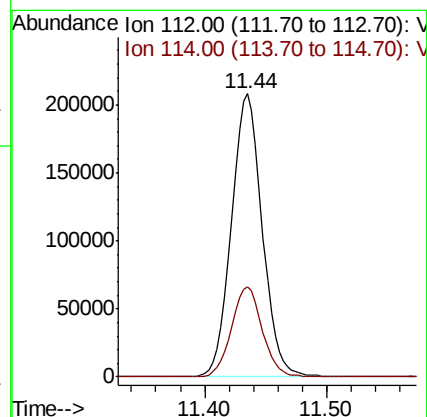
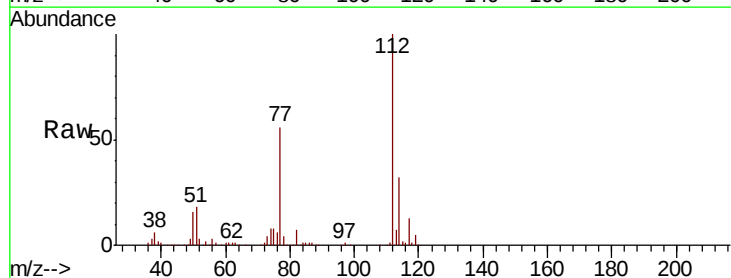
Acq: 31 Aug 2018 18:32

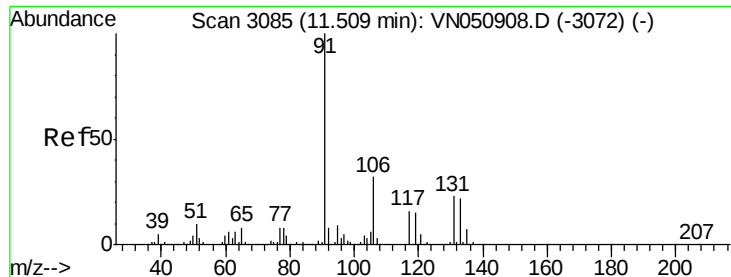
Tgt Ion: 112 Resp: 366550

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.24 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

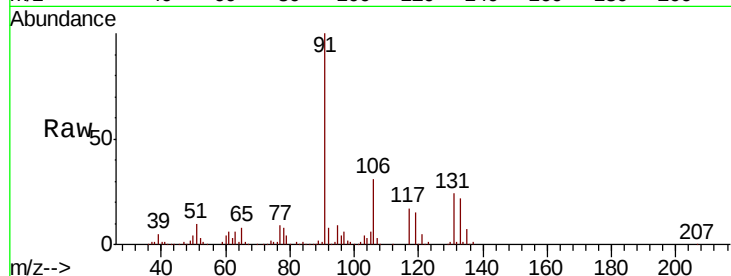
Tot Ion:131 Resp: 143813

Ion Ratio Lower Upper

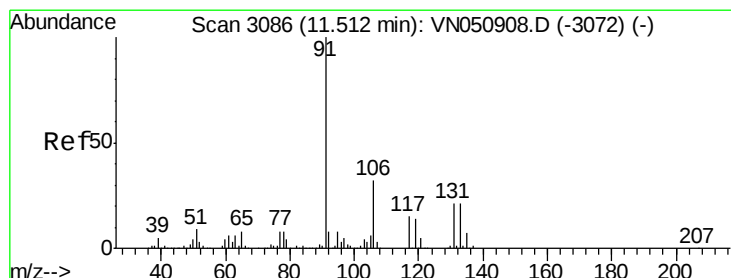
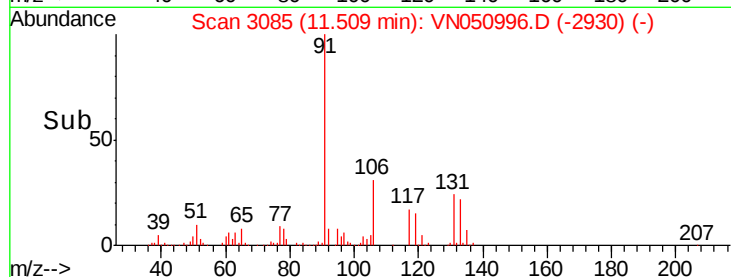
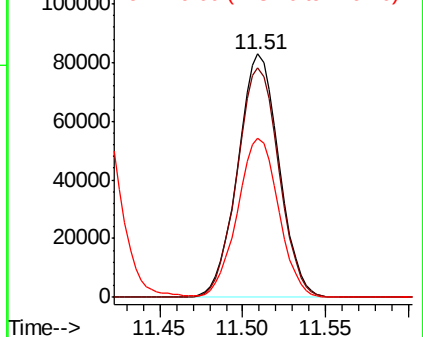
131 100

133 95.6 0.0 189.4

119 65.4 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050996.D

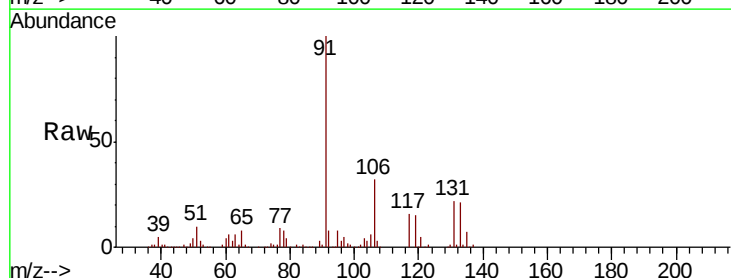
Acq: 31 Aug 2018 18:32

Tgt Ion: 91 Resp: 598125

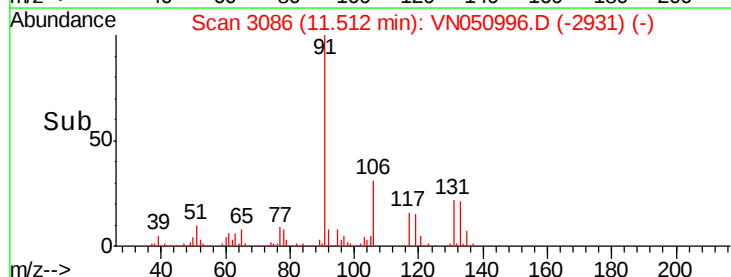
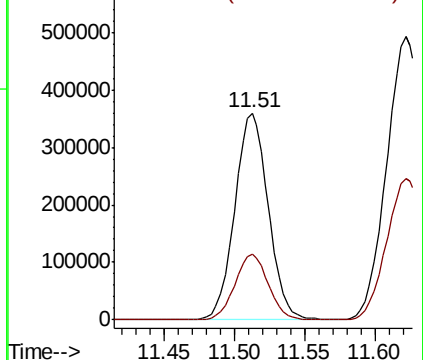
Ion Ratio Lower Upper

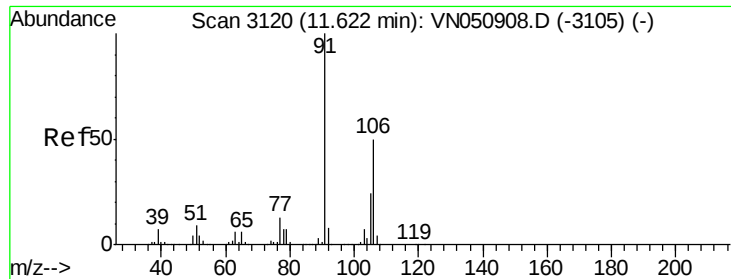
91 100

106 31.6 25.7 38.5



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





#67

m/p-Xylenes

Concen: 39.26 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampled :

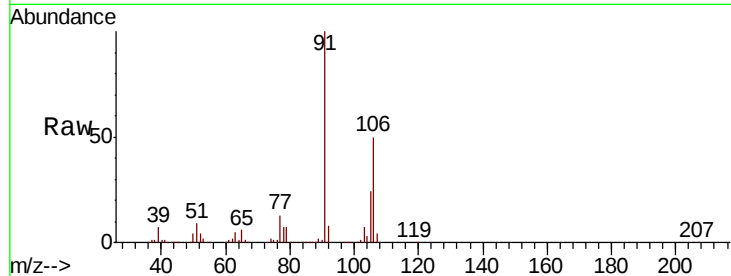
VSTDCCC020

Tot Ion:106 Resp: 475159

Ion Ratio Lower Upper

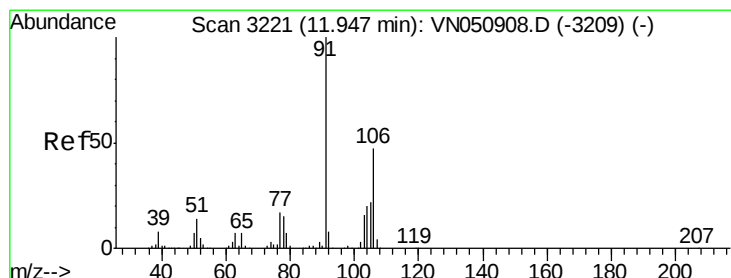
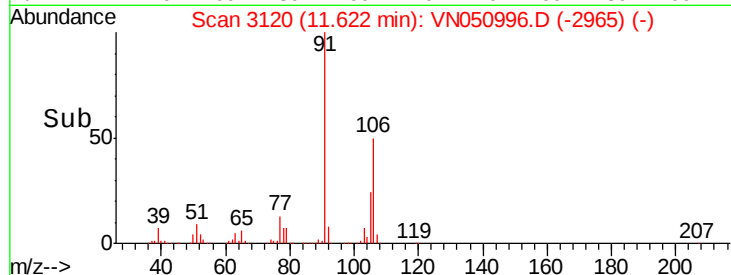
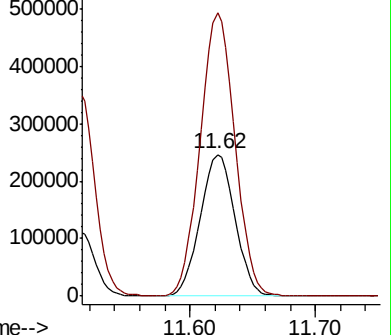
106 100

91 199.1 160.6 241.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.37 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050996.D

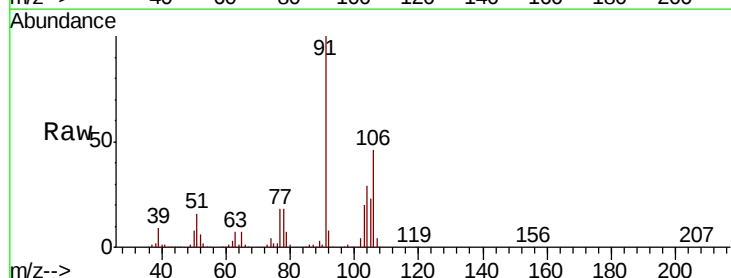
Acq: 31 Aug 2018 18:32

Tgt Ion:106 Resp: 223960

Ion Ratio Lower Upper

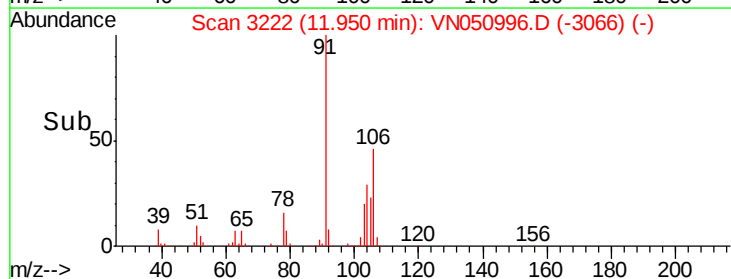
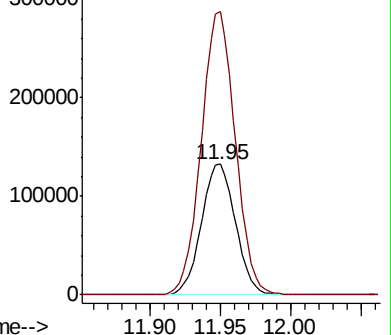
106 100

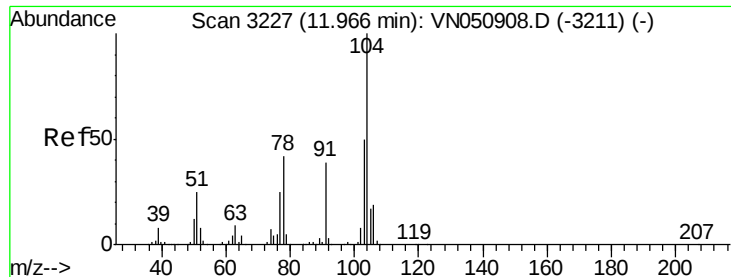
91 216.6 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

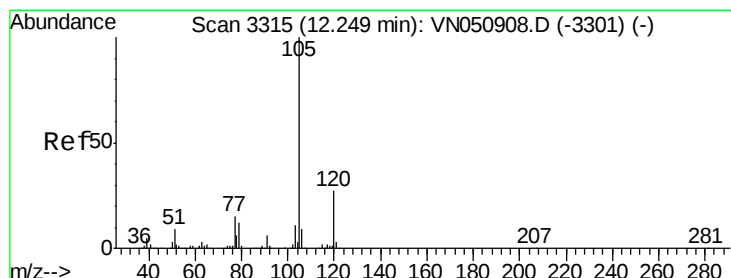
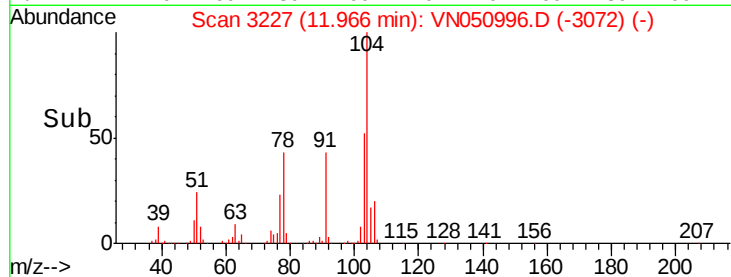
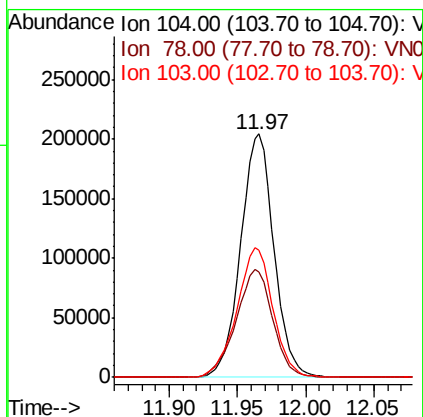
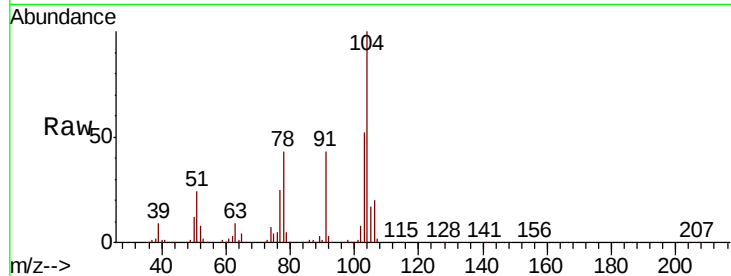




#69
Stvrene
Concen: 18.84 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

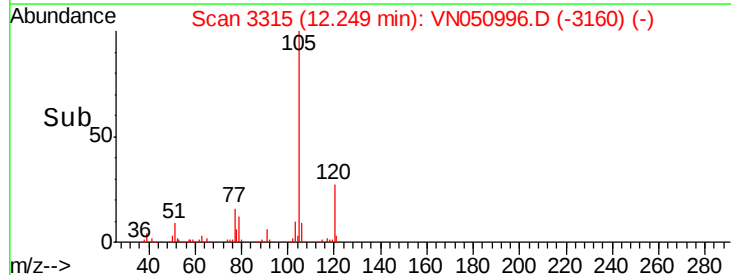
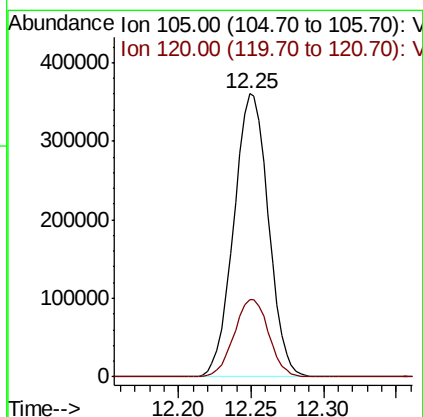
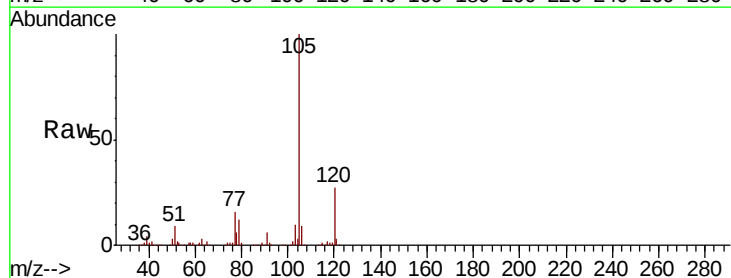
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

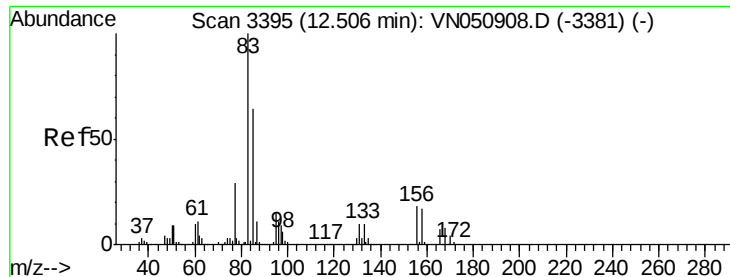
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.0	38.6	58.0
103	57.7	45.4	68.2



#70
Isopropylbenzene
Concen: 19.41 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	18.6	34.6

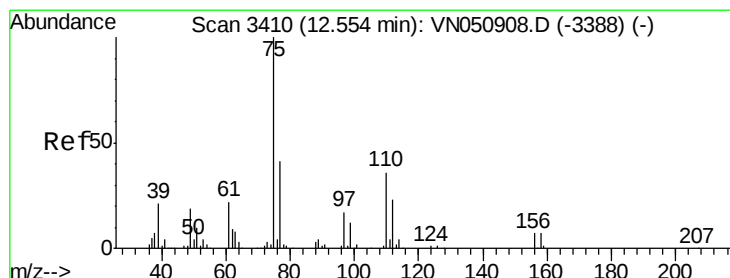
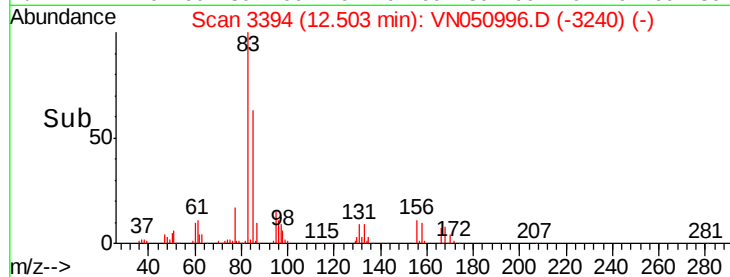
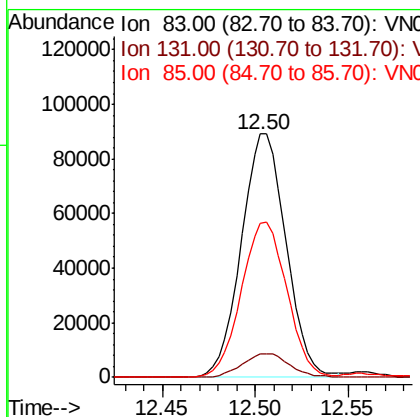
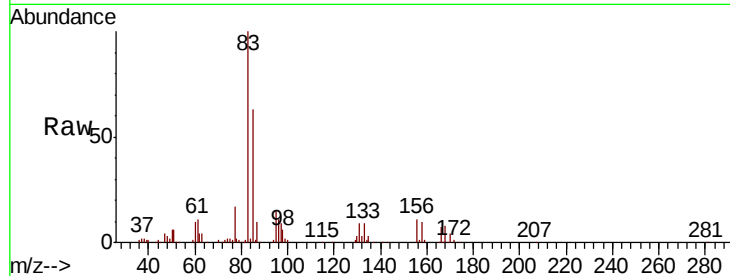




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.98 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

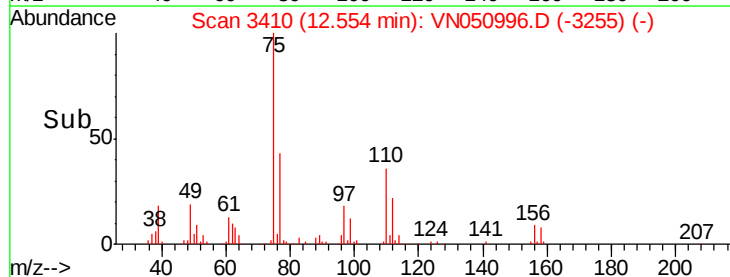
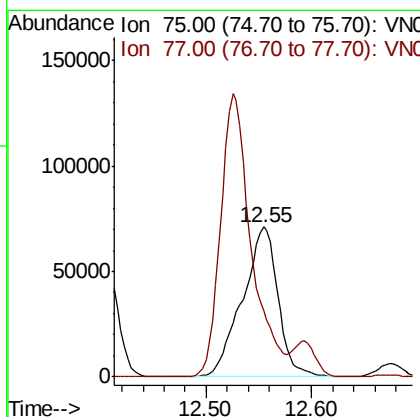
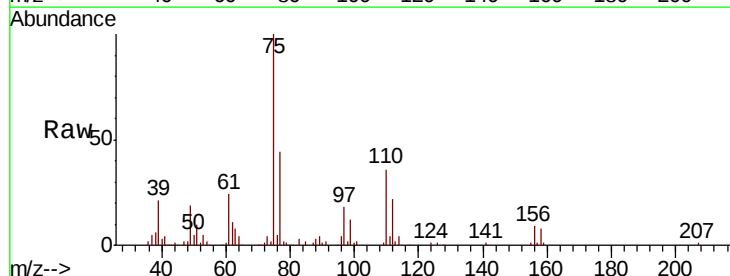
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

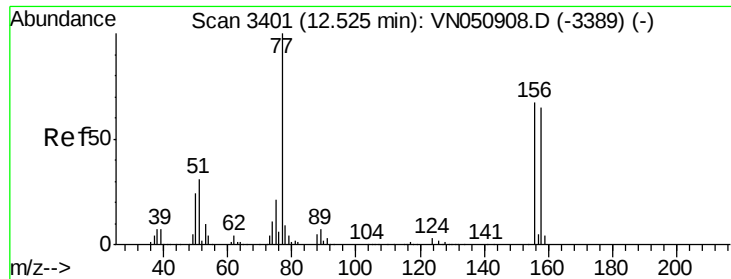
Tot Ion: 83 Resp: 149627
 Ion Ratio Lower Upper
 83 100
 131 10.3 5.3 15.9
 85 64.8 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 23.32 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion: 75 Resp: 167425
 Ion Ratio Lower Upper
 75 100
 77 161.6 0.0 301.6





#73

Bromobenzene

Concen: 18.78 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

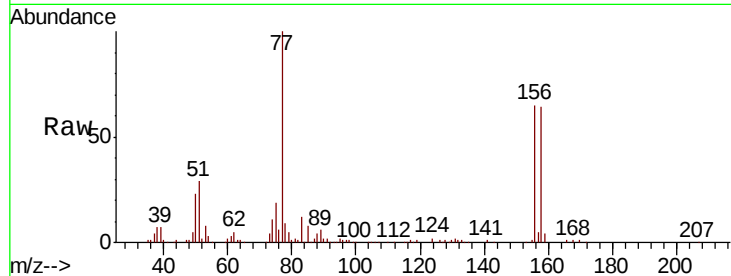
Tot Ion:156 Resp: 151823

Ion Ratio Lower Upper

156 100

77 178.3 0.0 359.4

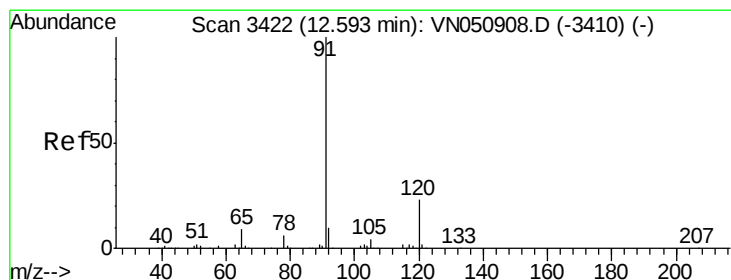
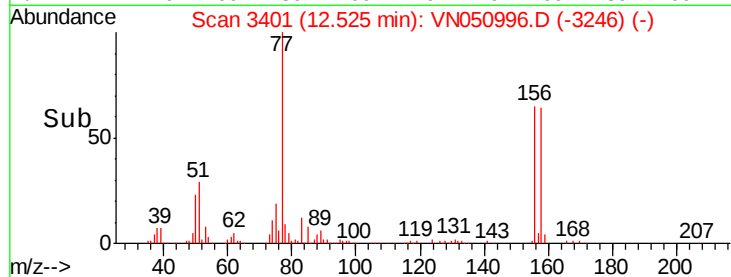
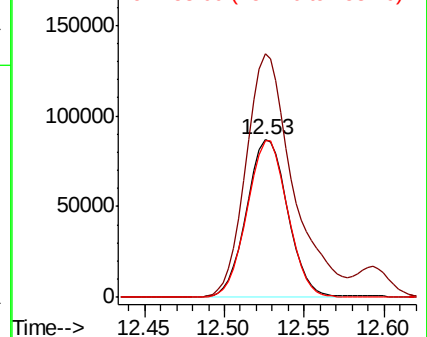
158 98.3 0.0 194.6



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: 18.94 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050996.D

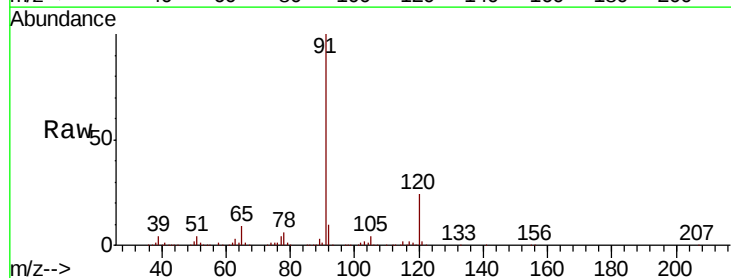
Acq: 31 Aug 2018 18:32

Tgt Ion: 91 Resp: 658150

Ion Ratio Lower Upper

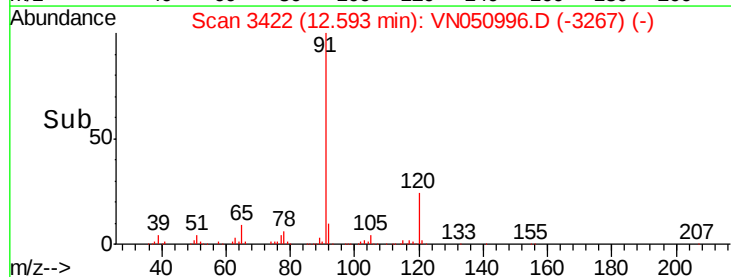
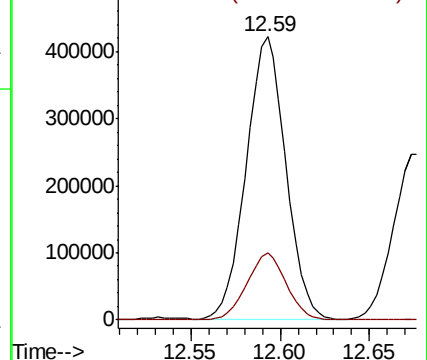
91 100

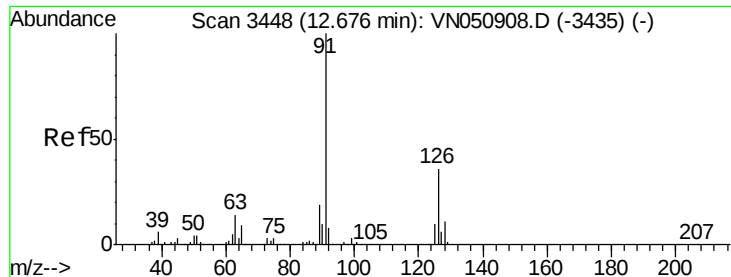
120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.60 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

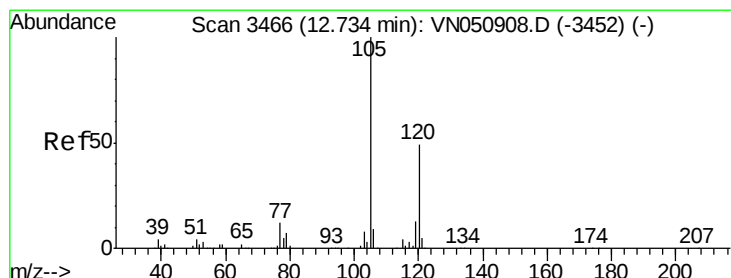
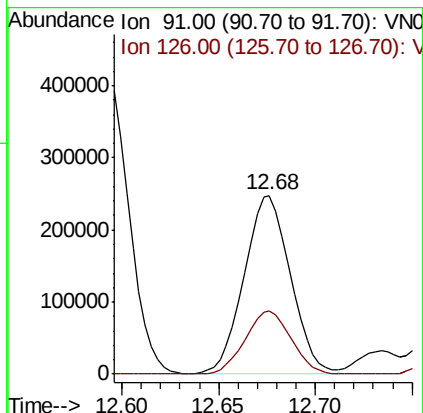
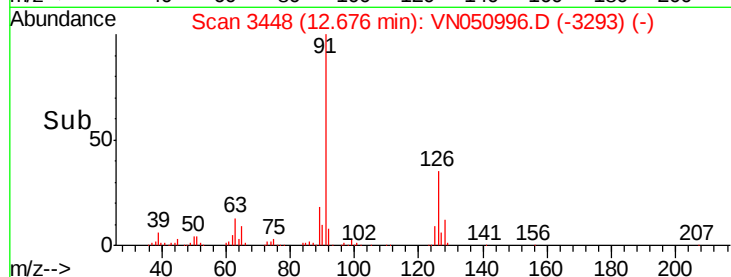
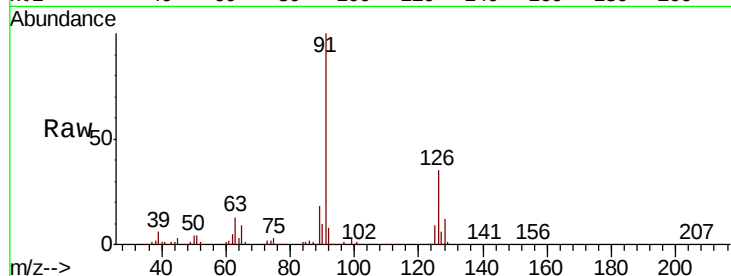
VSTDCCC020

Tot Ion: 91 Resp: 413761

Ion Ratio Lower Upper

91 100

126 35.2 0.0 71.8



#76

1,3,5-Trimethylbenzene

Concen: 19.46 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050996.D

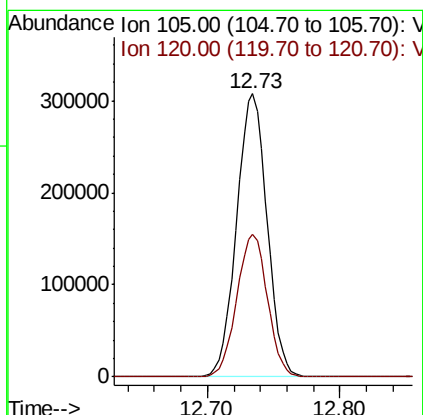
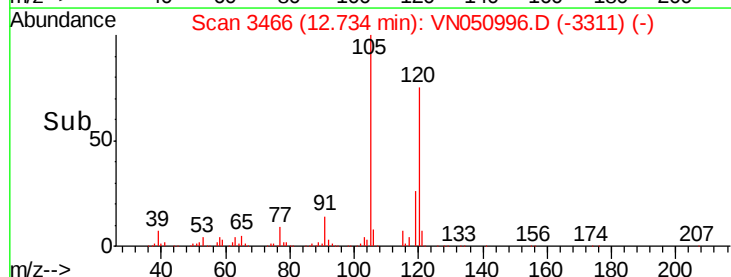
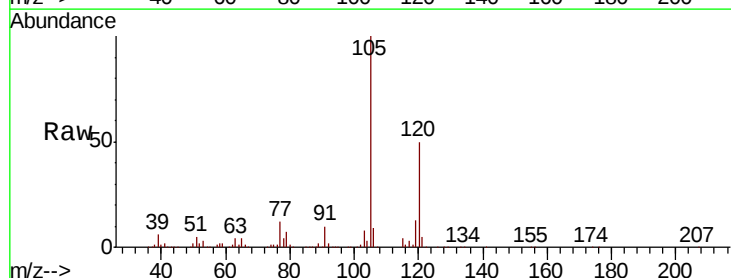
Acq: 31 Aug 2018 18:32

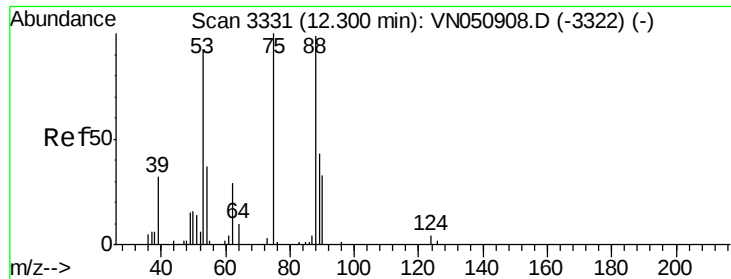
Tgt Ion:105 Resp: 488617

Ion Ratio Lower Upper

105 100

120 50.9 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 15.37 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

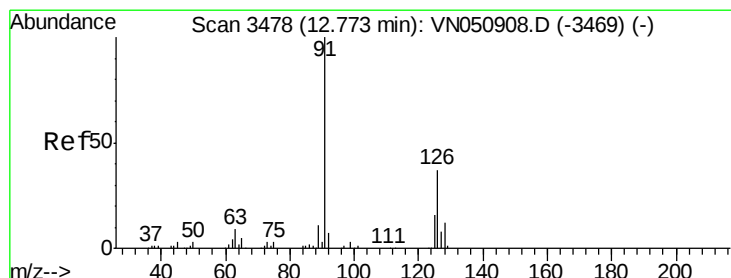
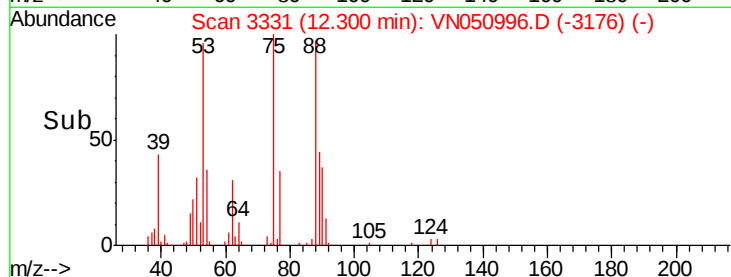
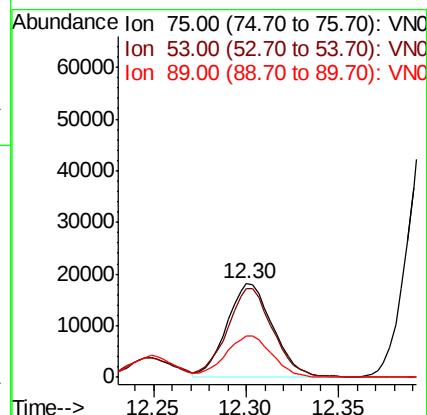
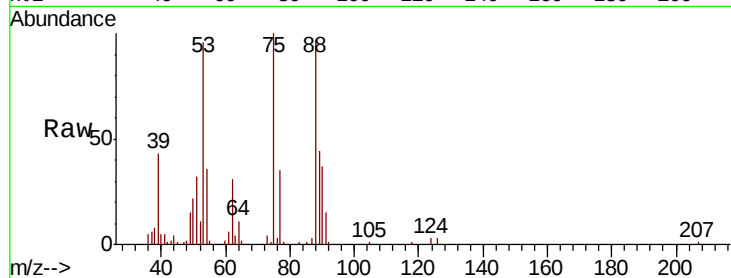
Tot Ion: 75 Resp: 31434

Ion Ratio Lower Upper

75 100

53 94.9 45.5 136.4

89 43.7 21.9 65.8



#78

4-Chlorotoluene

Concen: 18.83 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050996.D

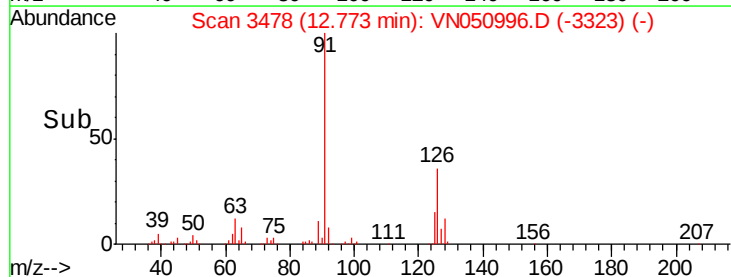
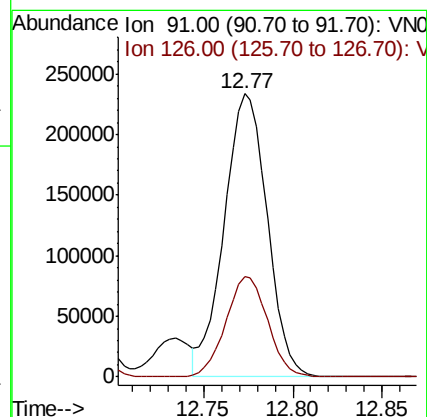
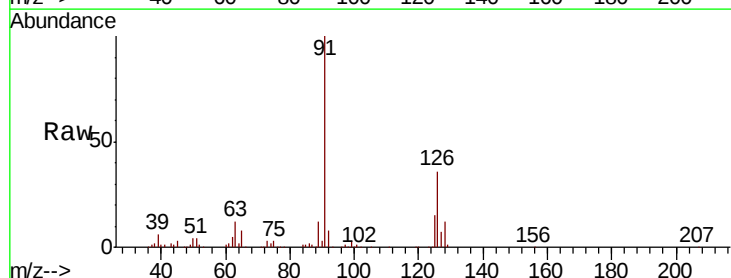
Acq: 31 Aug 2018 18:32

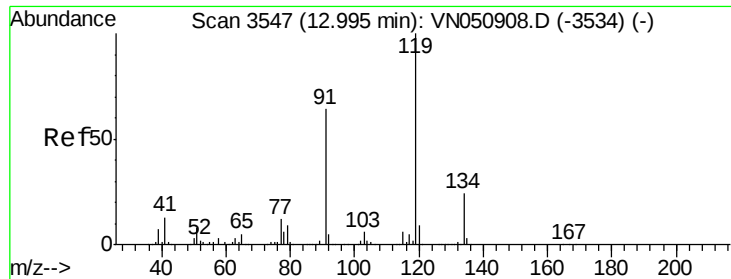
Tgt Ion: 91 Resp: 391238

Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.8

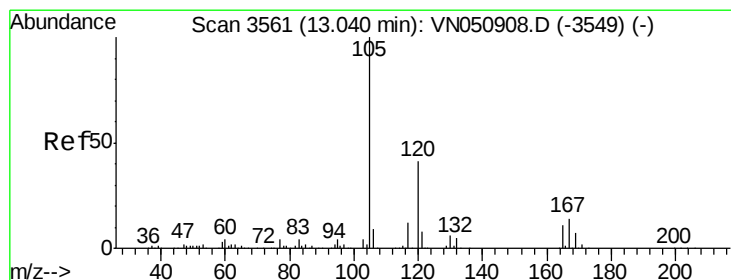
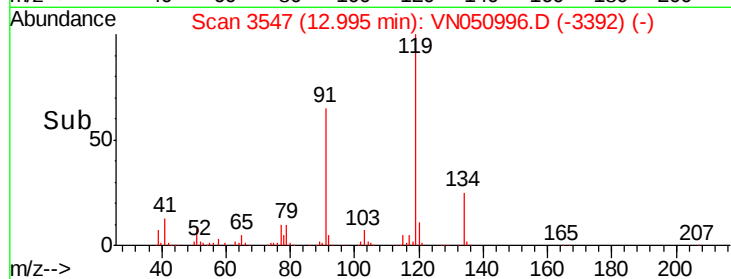
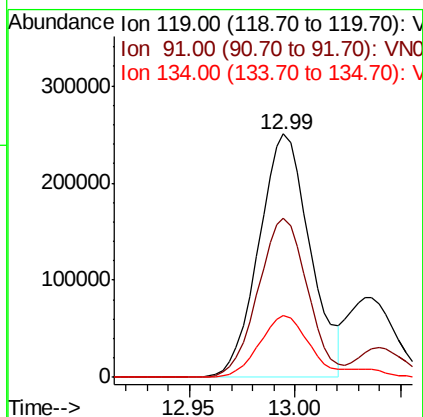
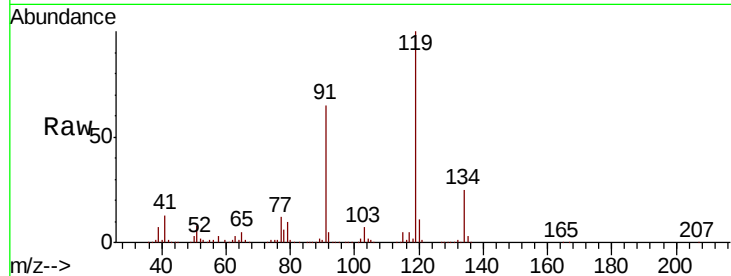




#79
tert-butylbenzene
Concen: 19.41 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

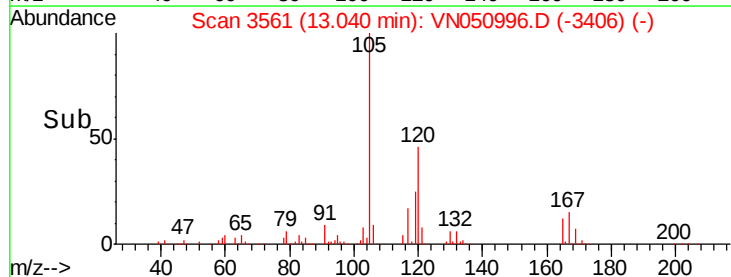
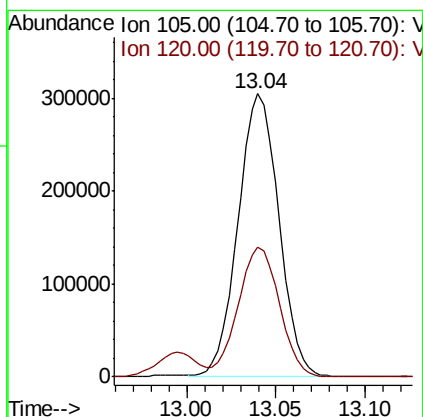
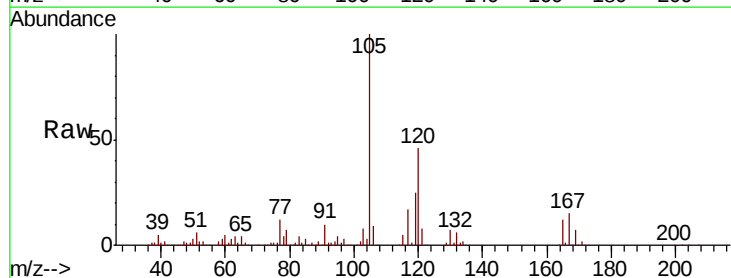
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

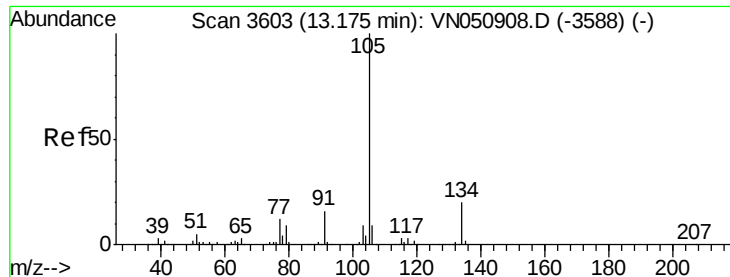
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.3	0.0	125.6
134	24.3	0.0	48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.37 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	0.0	93.6





#81

sec-Butylbenzene

Concen: 19.14 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

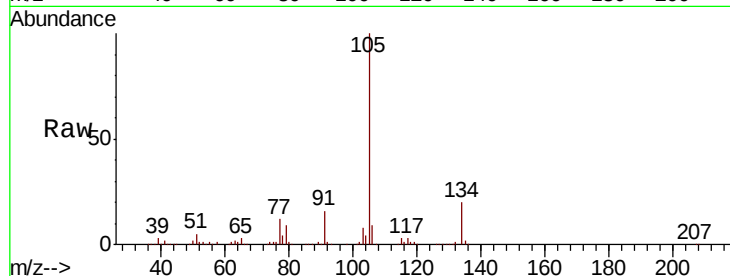
VSTDCCC020

Tot Ion:105 Resp: 546036

Ion Ratio Lower Upper

105 100

134 20.1 0.0 40.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

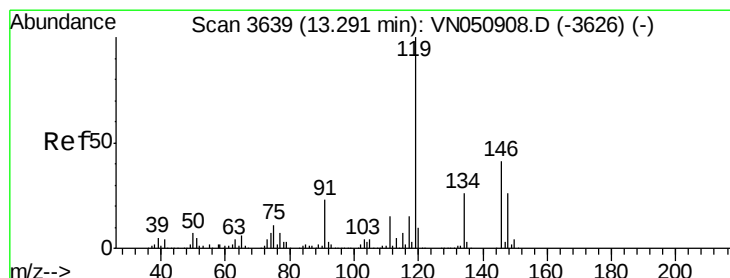
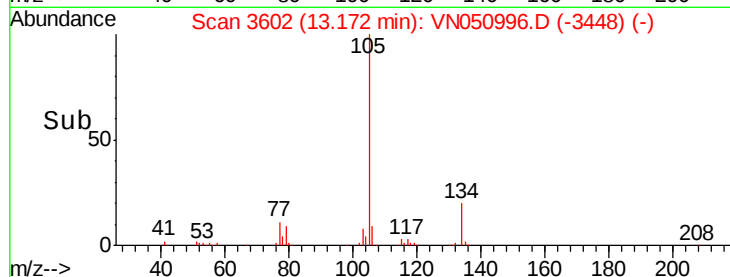
300000

200000

100000

0

Time-->



#82

p-Isopropyltoluene

Concen: 18.90 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

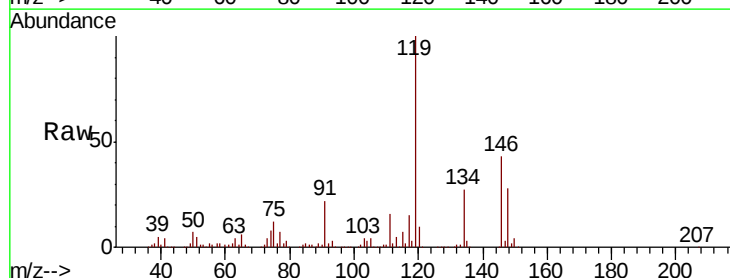
Tgt Ion:119 Resp: 465495

Ion Ratio Lower Upper

119 100

134 26.9 0.0 53.2

91 22.5 0.0 46.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

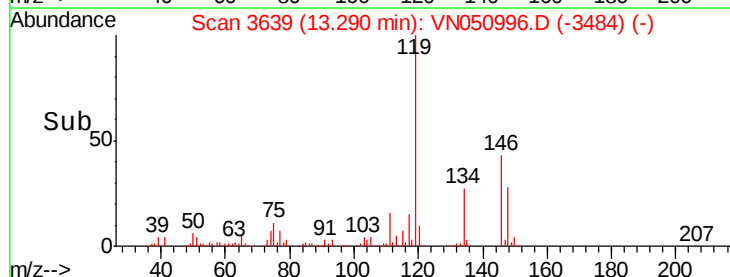
300000

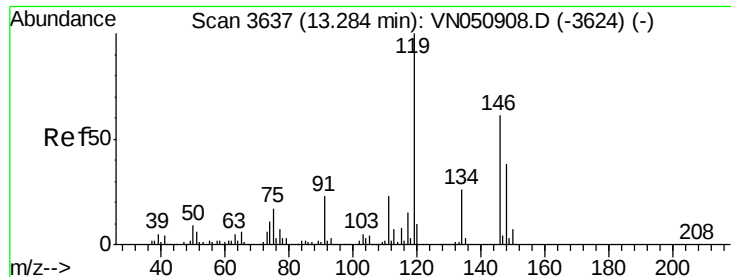
200000

100000

0

Time-->

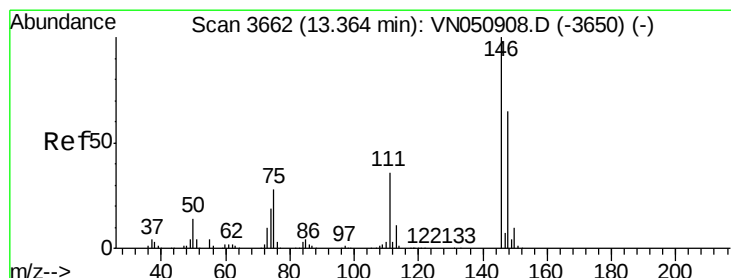
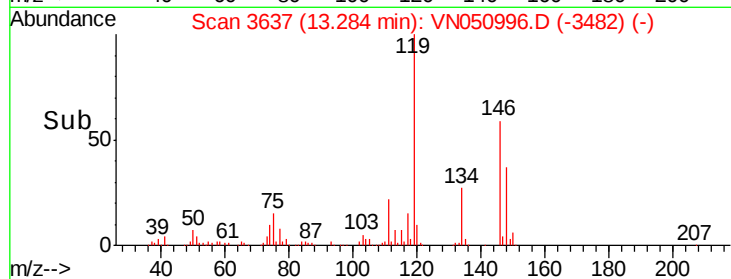
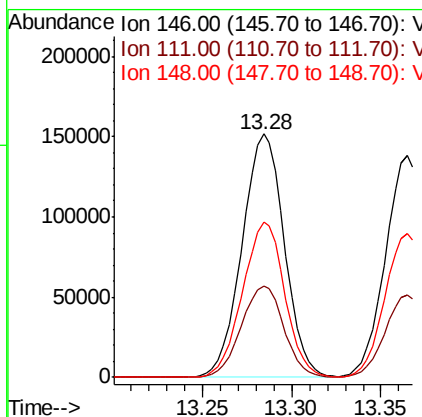
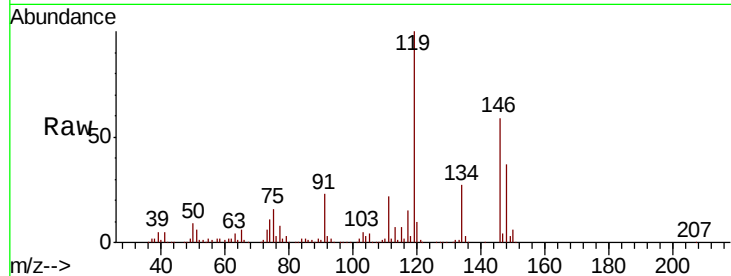




#83
 1,3-Dichlorobenzene
 Concen: 18.35 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

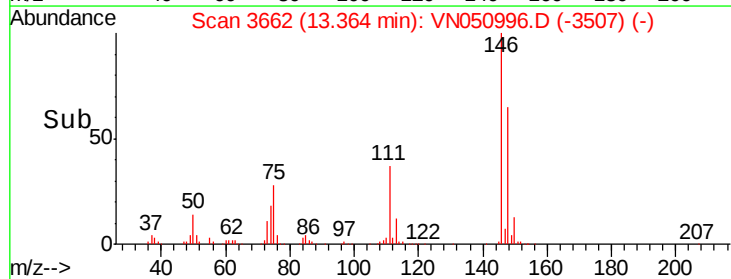
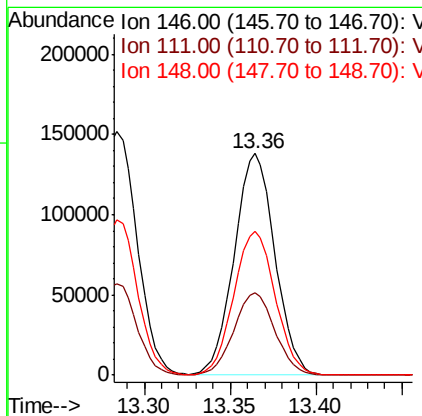
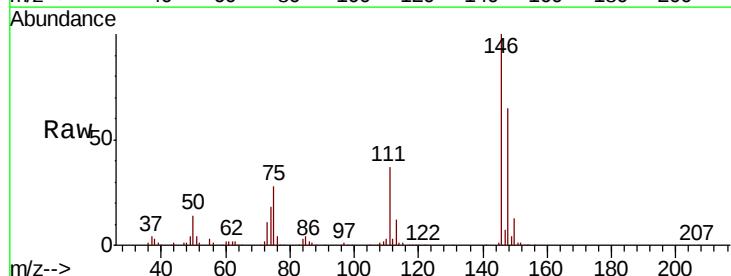
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

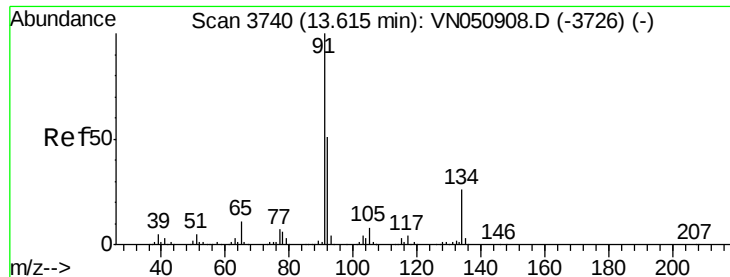
Tot Ion:146 Resp: 250896
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 55.6
 148 63.5 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 17.53 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion:146 Resp: 227082
 Ion Ratio Lower Upper
 146 100
 111 37.3 17.7 53.1
 148 65.7 31.6 94.8





#85

n-Butylbenzene

Concen: 17.40 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050996.D

Acq: 31 Aug 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

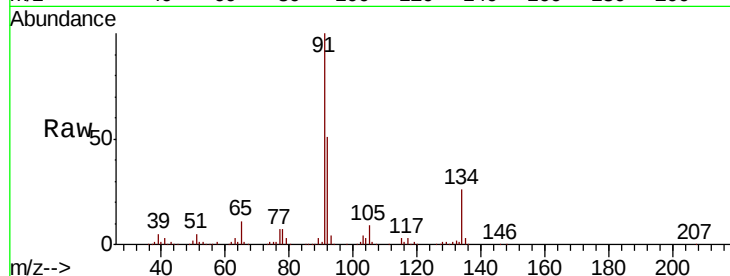
Tot Ion: 91 Resp: 326976

Ion Ratio Lower Upper

91 100

92 51.2 0.0 101.8

134 26.4 0.0 52.2

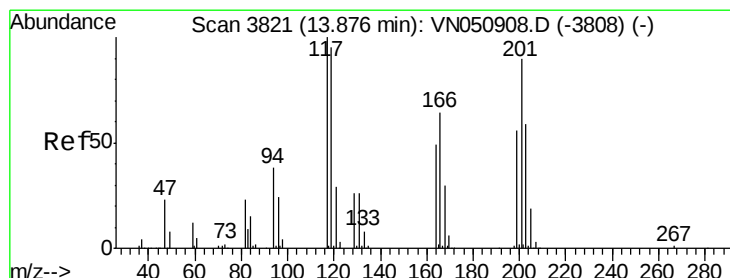
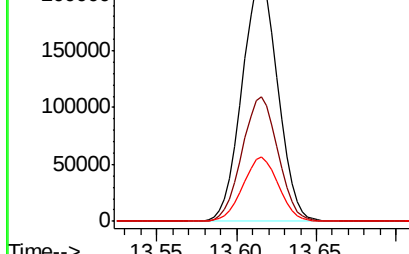
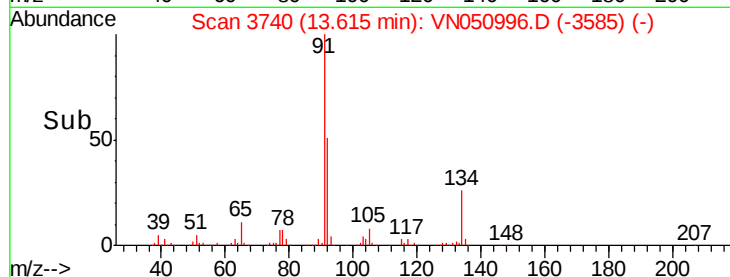


Abundance Ion 91.00 (90.70 to 91.70): VN050996.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050996.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050996.D (-3726) (-)

Time-->



#86

Hexachloroethane

Concen: 18.25 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN050996.D

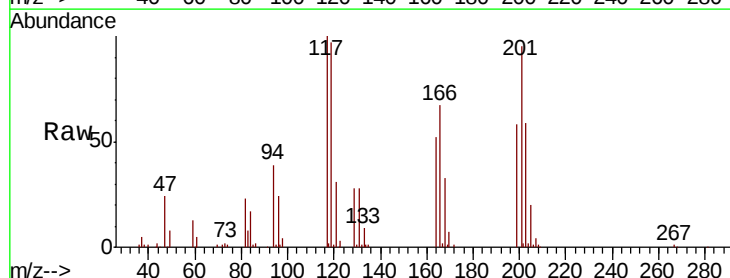
Acq: 31 Aug 2018 18:32

Tgt Ion: 117 Resp: 86301

Ion Ratio Lower Upper

117 100

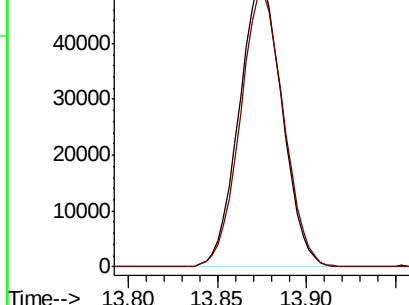
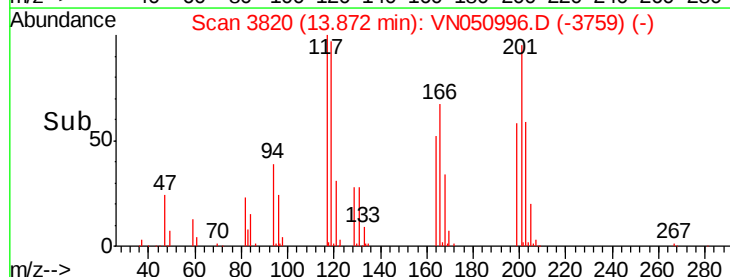
201 96.5 45.8 137.4

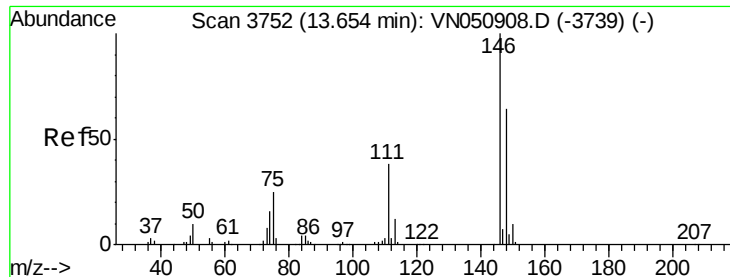


Abundance Ion 117.00 (116.70 to 117.70): VN050996.D (-3759) (-)

Ion 201.00 (200.70 to 201.70): VN050996.D (-3759) (-)

Time-->

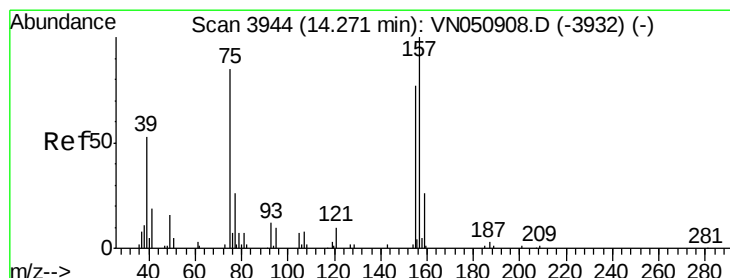
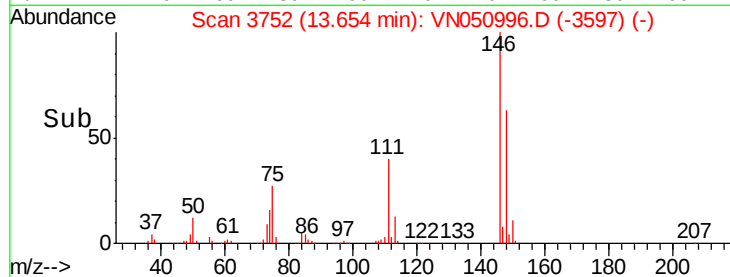
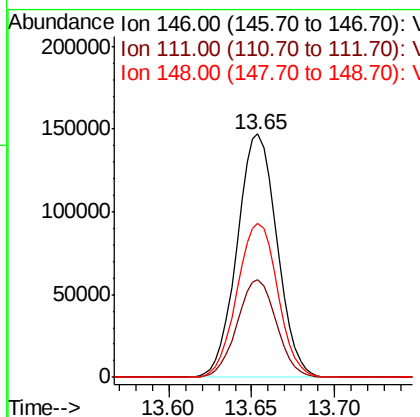
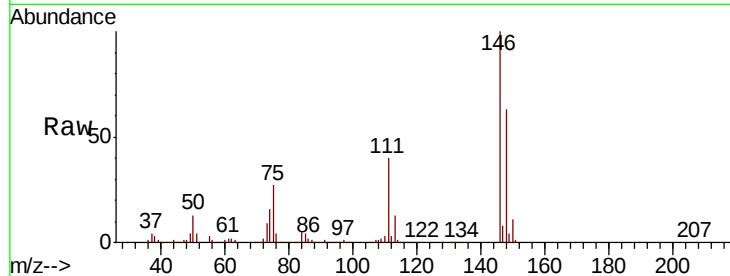




#87
 1,2-Dichlorobenzene
 Concen: 18.33 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

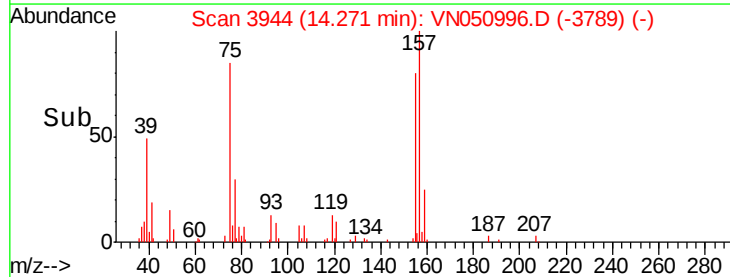
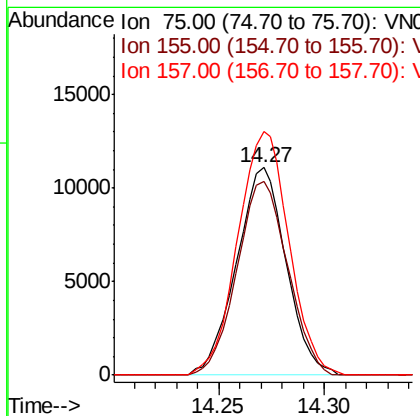
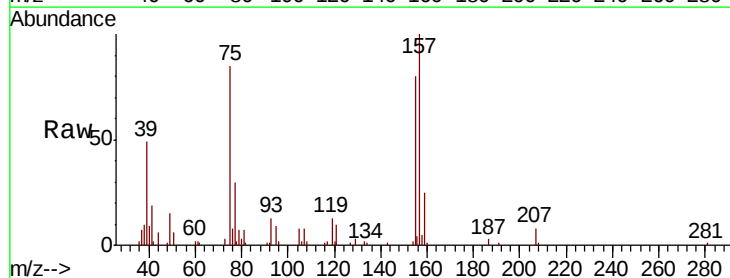
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

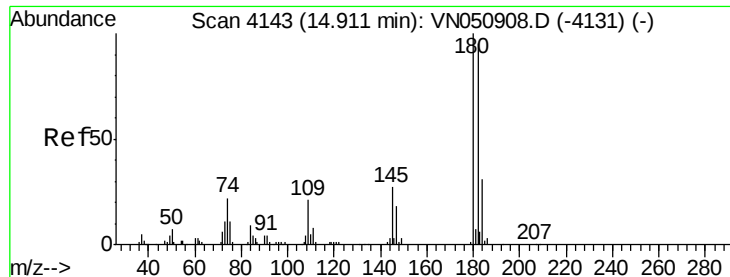
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.1	57.1
148	64.4	31.9	95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 15.58 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	71.8	107.6
157	121.1	91.1	136.7

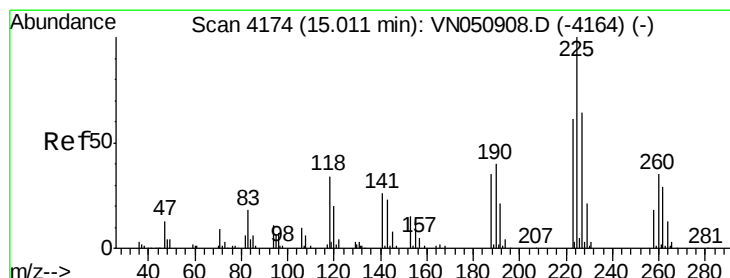
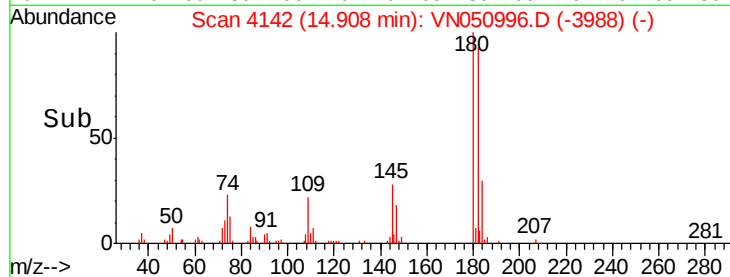
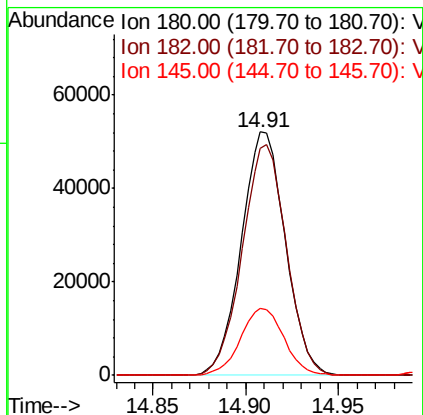
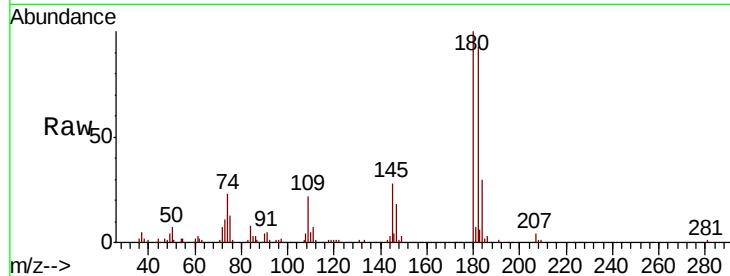




#89
 1,2,4-Trichlorobenzene
 Concen: 14.43 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

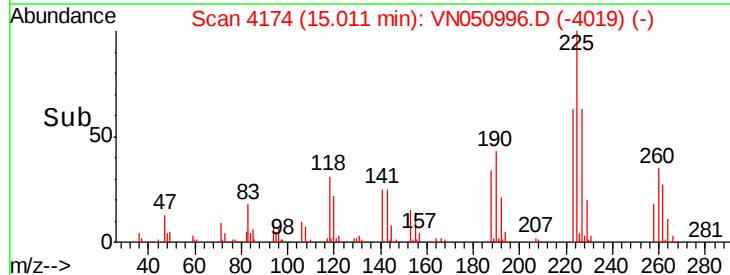
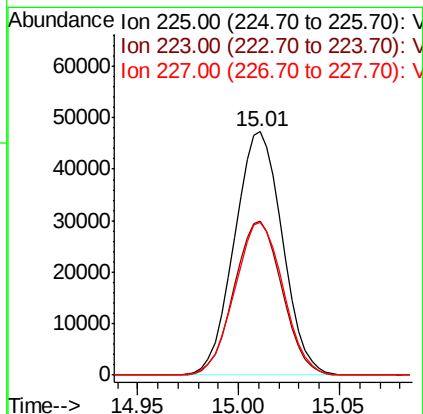
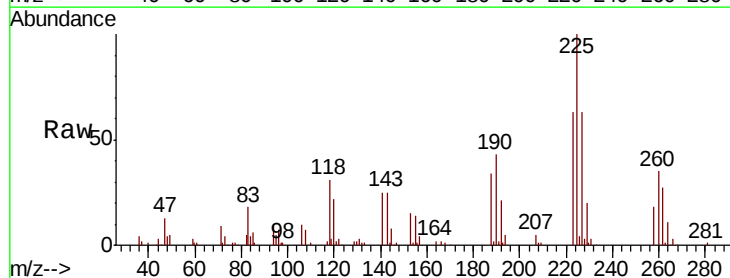
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

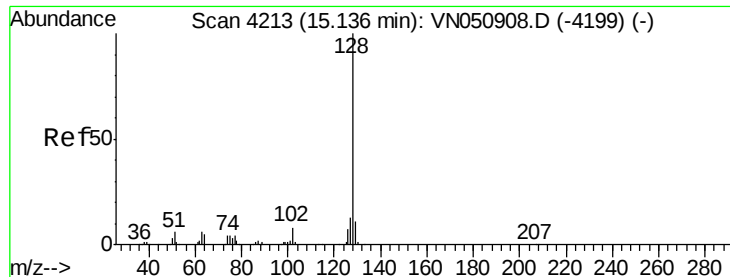
Tot Ion:180 Resp: 86465
 Ion Ratio Lower Upper
 180 100
 182 94.5 76.2 114.4
 145 27.1 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 19.36 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050996.D
 Acq: 31 Aug 2018 18:32

Tgt Ion:225 Resp: 78787
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 127.8
 227 63.6 0.0 128.4

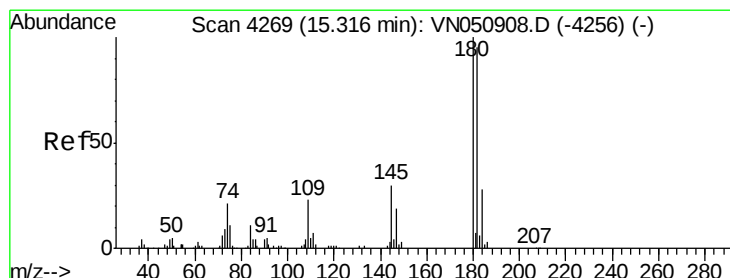
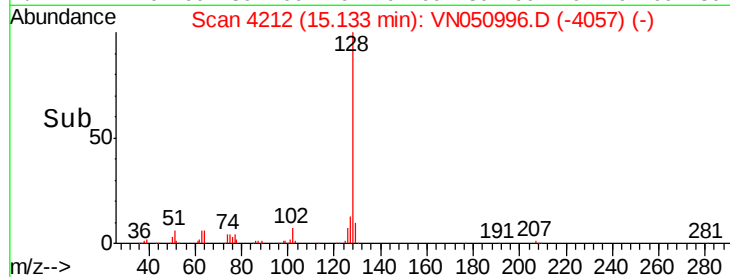
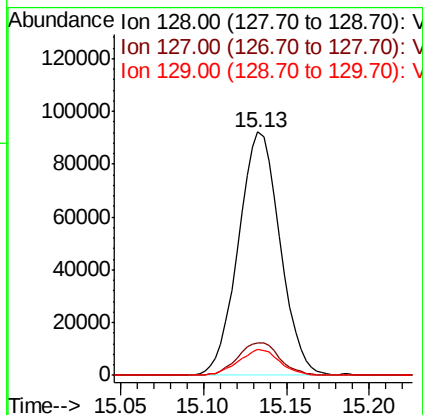
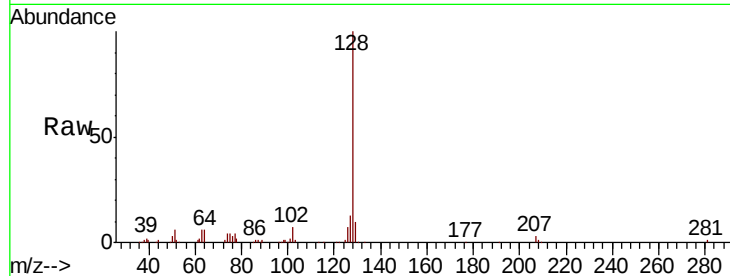




#91
Naphthalene
Concen: 17.18 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:128 Resp: 161096
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 10.4 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 15.16 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050996.D
Acq: 31 Aug 2018 18:32

Tgt Ion:180 Resp: 91138
Ion Ratio Lower Upper
180 100
182 96.7 0.0 192.8
145 30.5 0.0 60.0

