

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121918\
 Data File : VN052997.D
 Acq On : 19 Dec 2018 8:55
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 20 05:12:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1156549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1702873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1533316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	727310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	590402	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	452087	58.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.24%	
50) Toluene-d8	10.09	98	2209201	52.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.80%	
62) 4-Bromofluorobenzene	12.40	95	775052	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	564076	48.190	ug/l 99
3) Chloromethane	2.06	50	674685	47.566	ug/l 100
4) Vinyl Chloride	2.19	62	689881	48.024	ug/l 100
5) Bromomethane	2.57	94	455640	45.780	ug/l 100
6) Chloroethane	2.71	64	404534	47.548	ug/l 98
7) Trichlorofluoromethane	3.02	101	862522	48.198	ug/l 98
8) Diethyl Ether	3.41	74	324707	48.096	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	557579	48.867	ug/l 98
10) Methyl Iodide	3.96	142	789477	49.270	ug/l 100
11) Tert butyl alcohol	4.77	59	171969	240.136	ug/l 100
12) 1,1-Dichloroethene	3.74	96	523240	47.466	ug/l 99
13) Acrolein	3.61	56	229576	353.550	ug/l 100
14) Allyl chloride	4.33	41	818597	47.941	ug/l 98
15) Acrylonitrile	4.98	53	934975	235.009	ug/l 99
16) Acetone	3.81	43	515241	223.900	ug/l 97
17) Carbon Disulfide	4.06	76	1573574	43.771	ug/l 99
18) Methyl Acetate	4.32	43	475654	45.629	ug/l 98
19) Methyl tert-butyl Ether	5.04	73	1431111	48.513	ug/l 98
20) Methylene Chloride	4.55	84	596875	47.549	ug/l 98
21) trans-1,2-Dichloroethene	5.04	96	564117	47.630	ug/l 98
22) Diisopropyl ether	5.95	45	1797242	49.311	ug/l 98
23) Vinyl Acetate	5.89	43	5193849	247.822	ug/l 98
24) 1,1-Dichloroethane	5.85	63	1038436	47.948	ug/l 99
25) 2-Butanone	6.83	43	949036	245.737	ug/l 98
26) 2,2-Dichloropropane	6.82	77	810189	49.005	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	643381	47.983	ug/l 100
28) Bromochloromethane	7.19	49	460094	49.026	ug/l 95
29) Tetrahydrofuran	7.21	42	690116	239.257	ug/l 97
30) Chloroform	7.37	83	1022204	48.046	ug/l 100
31) Cyclohexane	7.65	56	1010520	49.744	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	864305	47.689	ug/l 100
36) 1,1-Dichloropropene	7.79	75	814745	49.848	ug/l 100
37) Ethyl Acetate	6.93	43	469947	51.505	ug/l 99
38) Carbon Tetrachloride	7.77	117	751351	50.152	ug/l 99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1022125	51.478	ug/l	98
40) Benzene	8.04	78	2436387	50.114	ug/l	99
41) Methacrylonitrile	7.17	41	267047	50.654	ug/l	97
42) 1,2-Dichloroethane	8.12	62	710495	49.470	ug/l	99
43) Isopropyl Acetate	8.16	43	883959	50.063	ug/l	98
44) Trichloroethene	8.84	130	697407	49.596	ug/l	96
45) 1,2-Dichloropropane	9.12	63	639631	50.511	ug/l	100
46) Dibromomethane	9.21	93	366387	49.667	ug/l	98
47) Bromodichloromethane	9.40	83	780647	49.783	ug/l	100
48) Methyl methacrylate	9.20	41	447006	50.486	ug/l	99
49) 1,4-Dioxane	9.20	88	107766	962.200	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2277063	257.696	ug/l	99
52) Toluene	10.16	92	1536127	50.976	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	830307	50.355	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	963496	50.907	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	524174	49.860	ug/l	100
56) Ethyl methacrylate	10.43	69	719093	51.679	ug/l	97
57) 1,3-Dichloropropane	10.71	76	912490	50.616	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1968420	257.676	ug/l	99
59) 2-Hexanone	10.75	43	1579291	264.164	ug/l	100
60) Dibromochloromethane	10.90	129	601595	49.992	ug/l	100
61) 1,2-Dibromoethane	11.01	107	538499	50.436	ug/l	99
64) Tetrachloroethene	10.63	164	809163	48.718	ug/l	99
65) Chlorobenzene	11.43	112	1702028	50.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	592757	50.150	ug/l	100
67) Ethyl Benzene	11.51	91	2961716	50.669	ug/l	100
68) m/p-Xylenes	11.62	106	2251567	101.325	ug/l	100
69) o-Xylene	11.95	106	1088061	51.027	ug/l	100
70) Styrene	11.96	104	1795782	51.648	ug/l	100
71) Bromoform	12.13	173	417082	48.846	ug/l #	100
73) Isopropylbenzene	12.25	105	2905756	51.063	ug/l	100
74) N-amyl acetate	12.07	43	809790	51.256	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	571277	51.171	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	819801	66.958	ug/l #	100
77) Bromobenzene	12.53	156	741707	50.142	ug/l	97
78) n-propylbenzene	12.59	91	3341423	51.557	ug/l	100
79) 2-Chlorotoluene	12.68	91	1932805	48.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2340180	50.453	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	192791	50.752	ug/l	96
82) 4-Chlorotoluene	12.77	91	1988502	50.566	ug/l	100
83) tert-Butylbenzene	12.99	119	2046351	49.885	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2360893	50.633	ug/l	100
85) sec-Butylbenzene	13.17	105	2789772	50.279	ug/l	100
86) p-Isopropyltoluene	13.29	119	2420289	50.481	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1292787	49.380	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1289749	48.647	ug/l	100
89) n-Butylbenzene	13.62	91	2052248	49.755	ug/l	100
90) Hexachloroethane	13.88	117	370268	50.326	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1214028	49.271	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	88214	45.699	ug/l	97

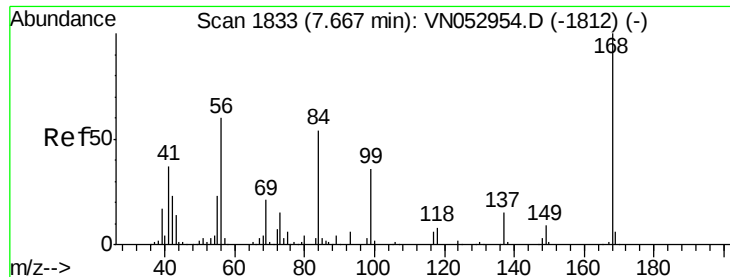
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	627556	48.096	ug/l	99
94) Hexachlorobutadiene	15.01	225	372179	55.372	ug/l	100
95) Naphthalene	15.13	128	1286845	45.115	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	551810	46.972	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

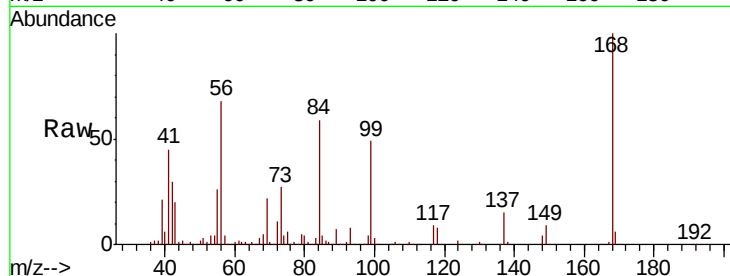
VSTDCCC050

Tot Ion:168 Resp: 1156549

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

500000

400000

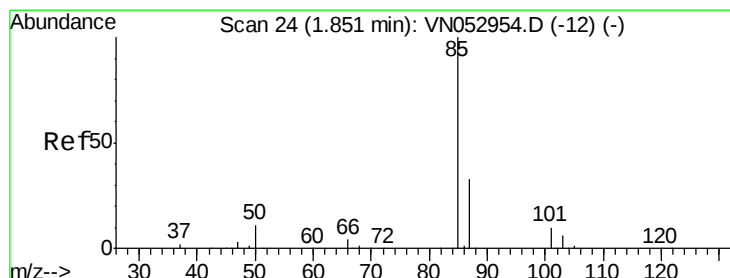
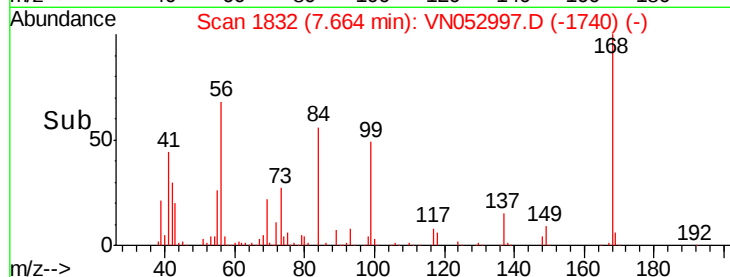
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 48.190 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052997.D

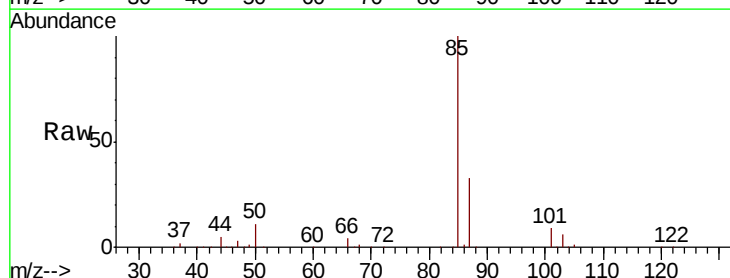
Acq: 19 Dec 2018 8:55

Tgt Ion: 85 Resp: 564076

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

400000

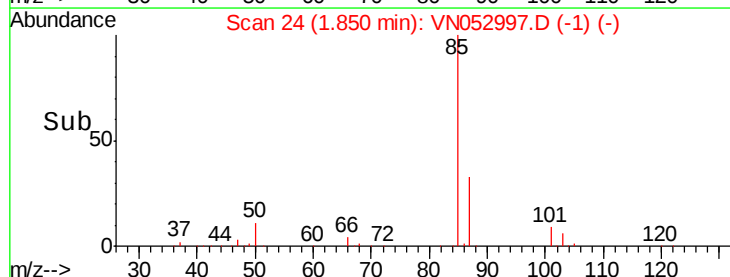
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200000

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Time-->





#3

Chloromethane

Concen: 47.566 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

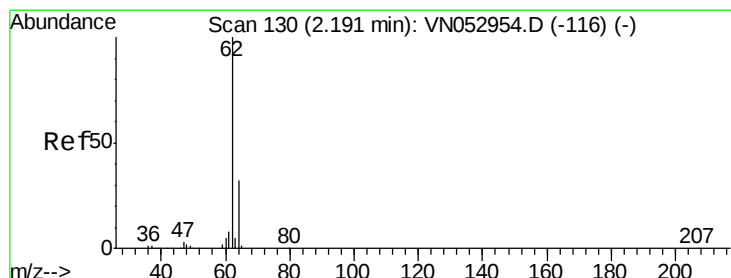
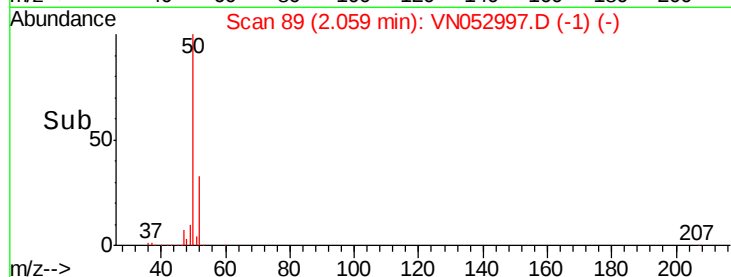
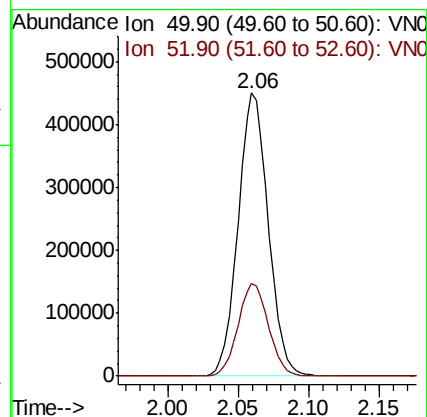
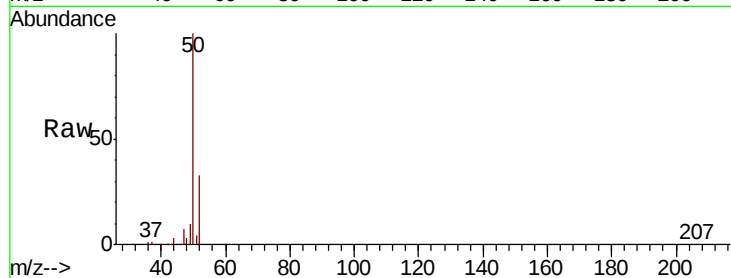
VSTDCCC050

Tot Ion: 50 Resp: 674685

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 48.024 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052997.D

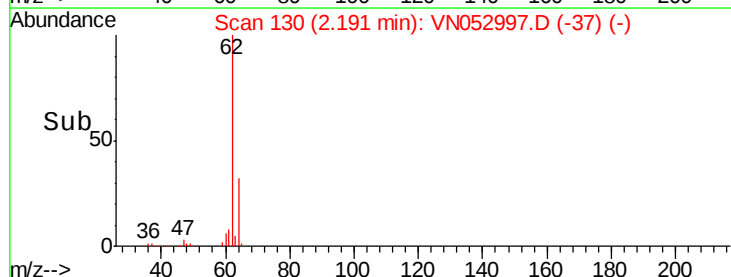
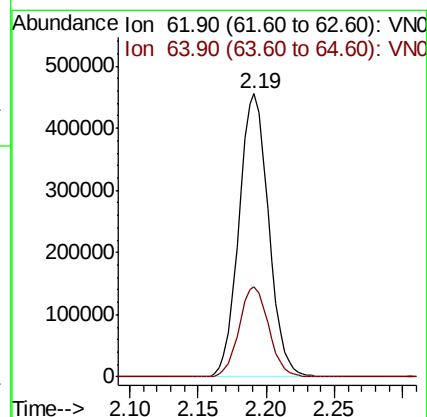
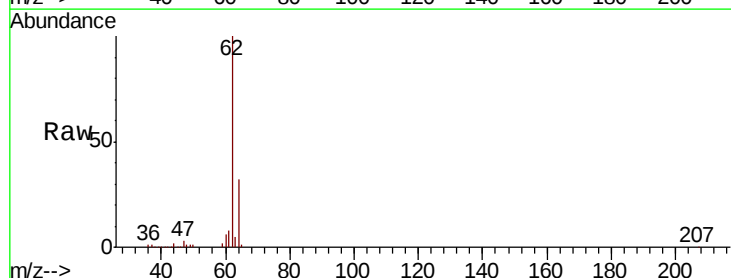
Acq: 19 Dec 2018 8:55

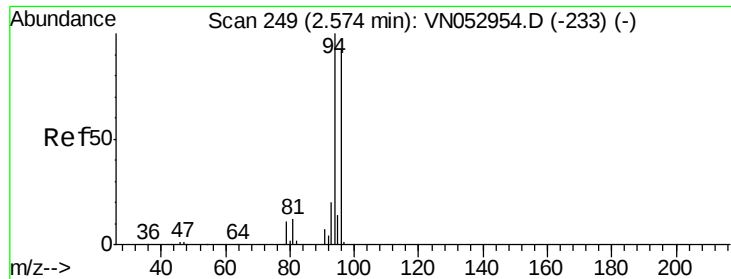
Tgt Ion: 62 Resp: 689881

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3

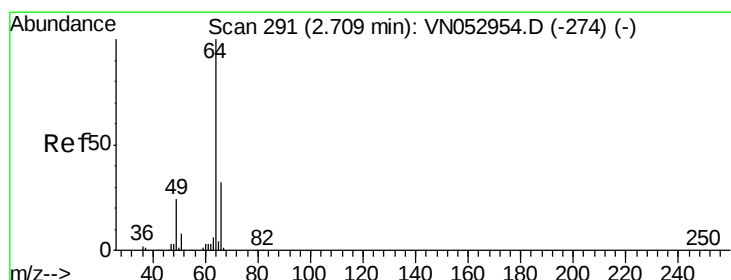
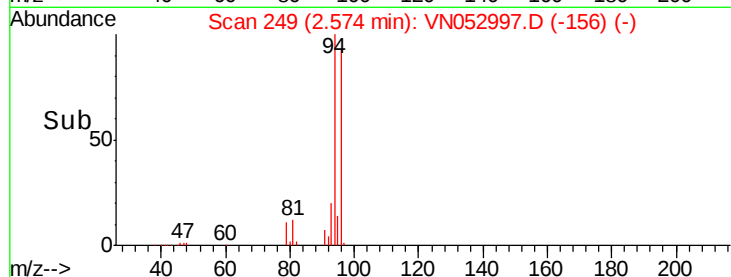
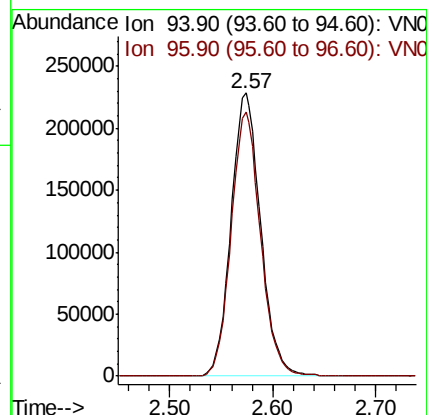
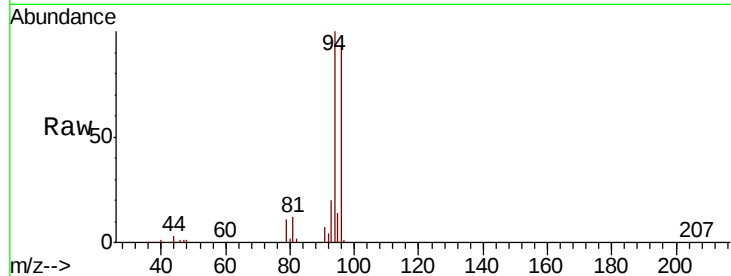




#5
Bromomethane
Concen: 45.780 ug/l
RT: 2.57 min Scan# 249
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

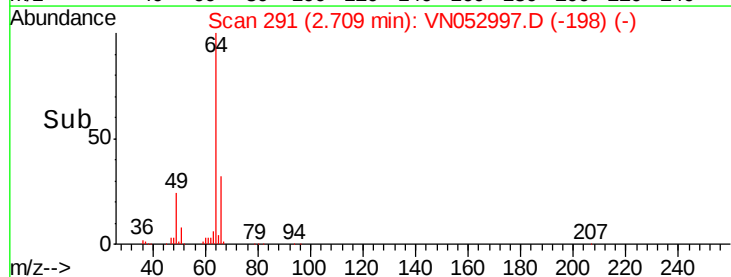
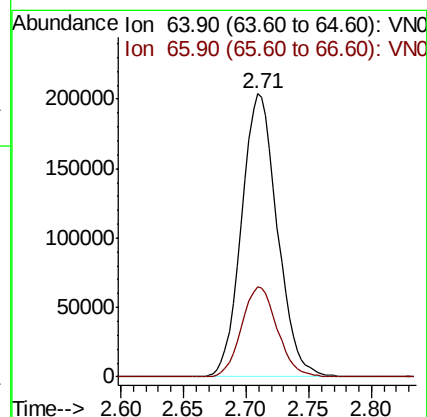
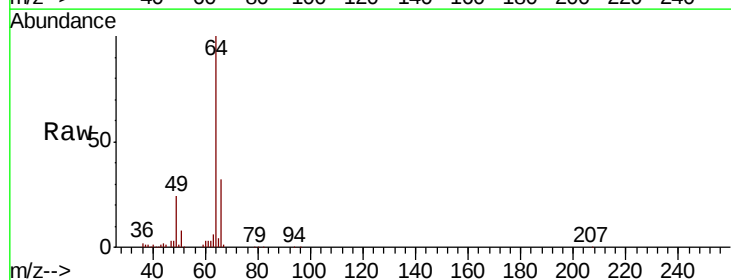
Instrument :
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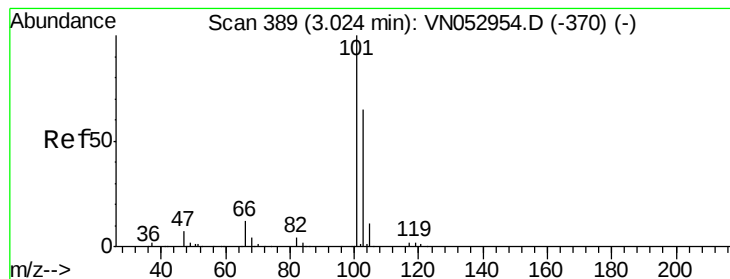
Tot Ion: 94 Resp: 455640
Ion Ratio Lower Upper
94 100
96 93.3 75.0 112.4



#6
Chloroethane
Concen: 47.548 ug/l
RT: 2.71 min Scan# 291
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 64 Resp: 404534
Ion Ratio Lower Upper
64 100
66 31.7 26.2 39.2



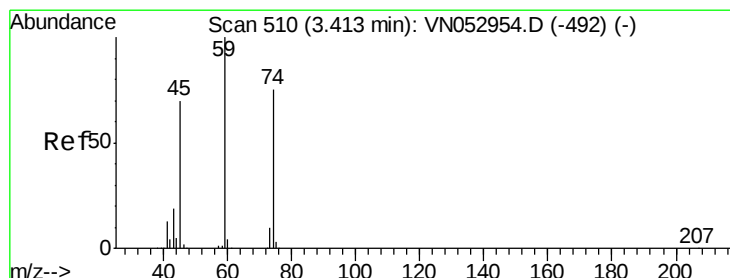
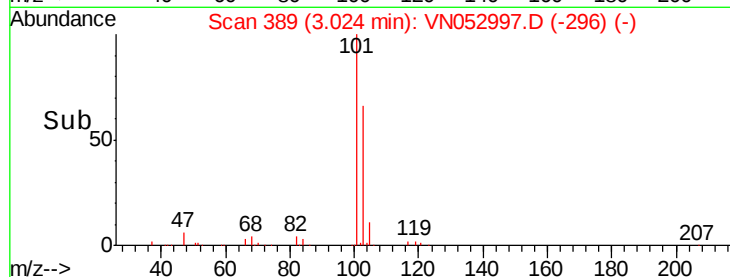
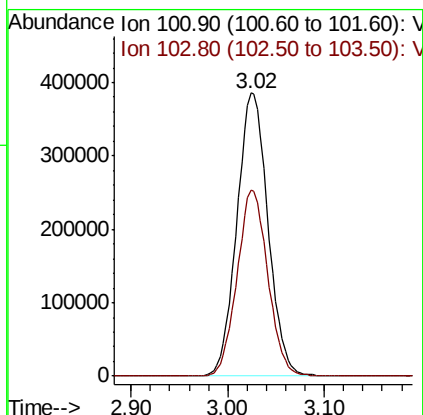
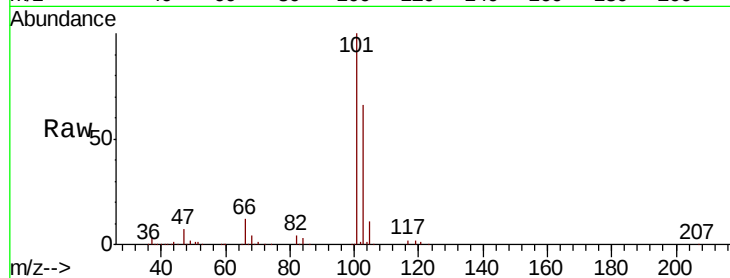


#7

Trichlorofluoromethane
 Concen: 48.198 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

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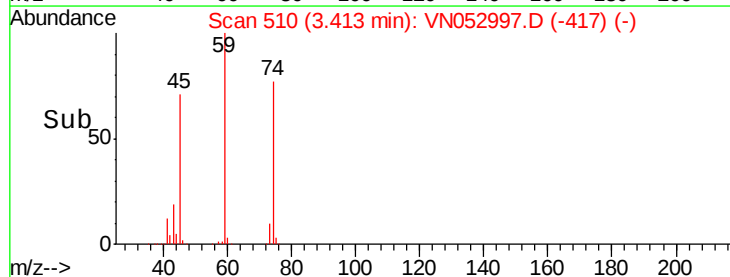
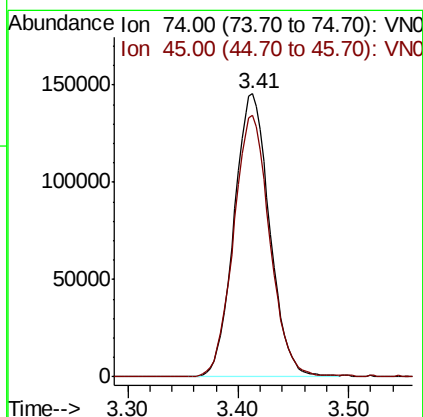
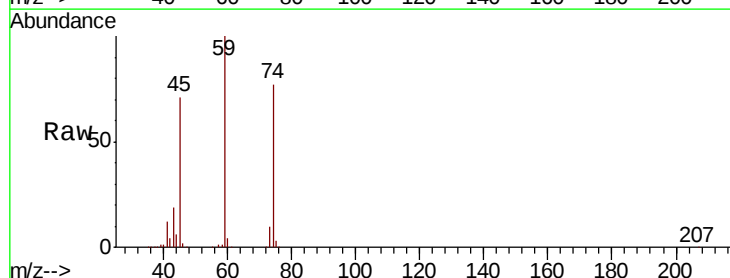
Tot Ion:101 Resp: 862522
 Ion Ratio Lower Upper
 101 100
 103 65.9 51.8 77.6

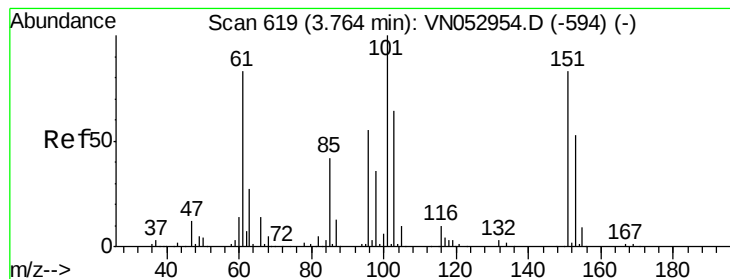


#8

Diethyl Ether
 Concen: 48.096 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 74 Resp: 324707
 Ion Ratio Lower Upper
 74 100
 45 93.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.867 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

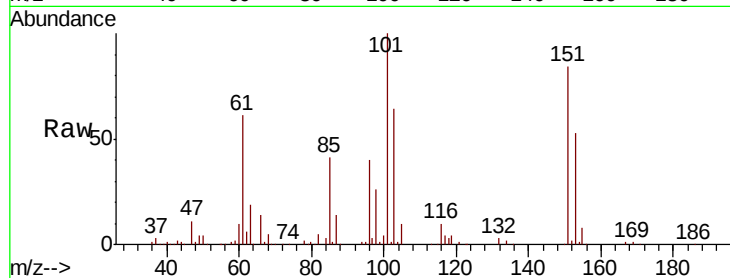
Tot Ion:101 Resp: 557579

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

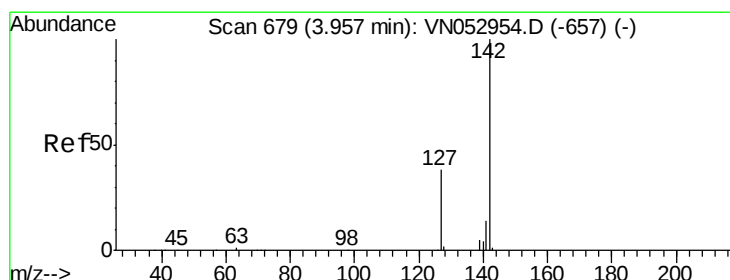
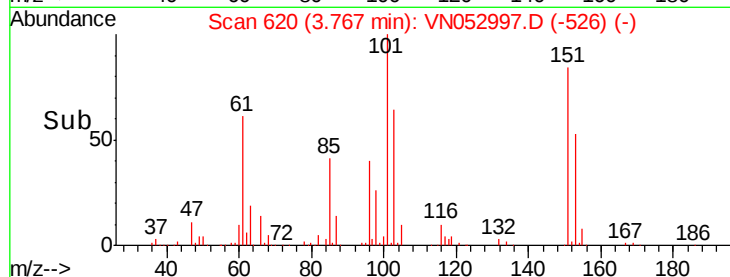
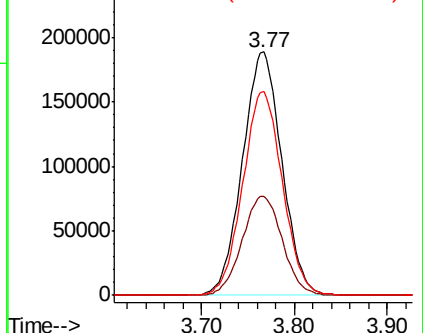
151 84.3 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.270 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

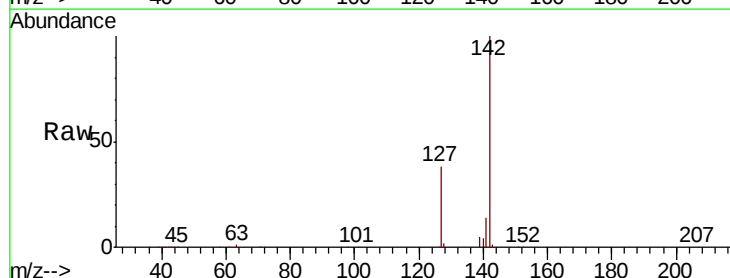
Tgt Ion:142 Resp: 789477

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

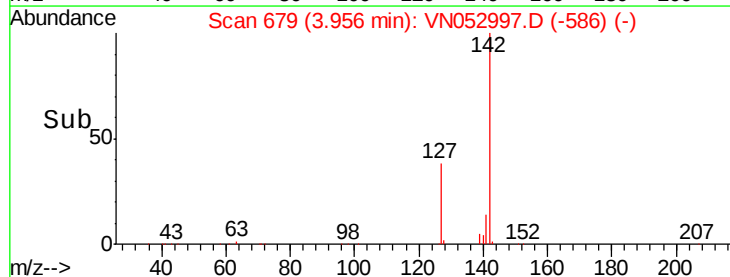
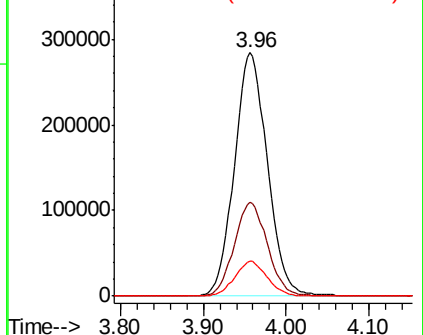
141 14.0 11.2 16.8

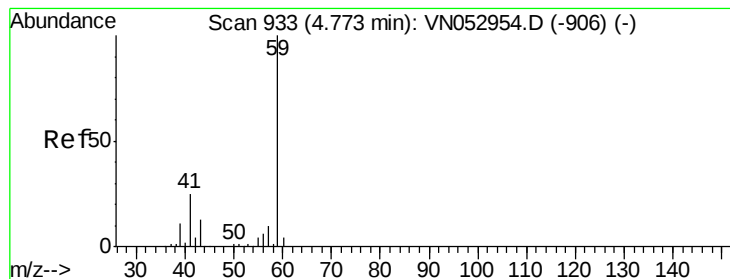


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



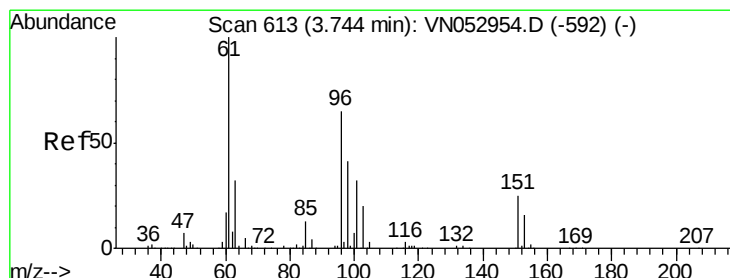
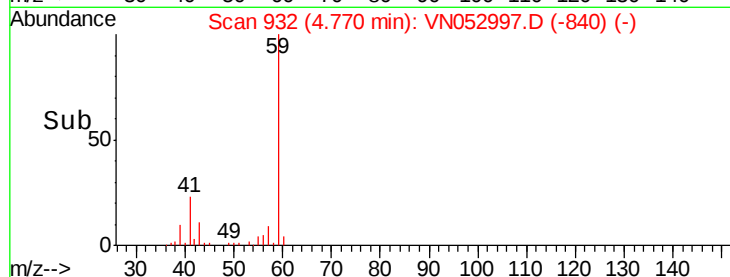
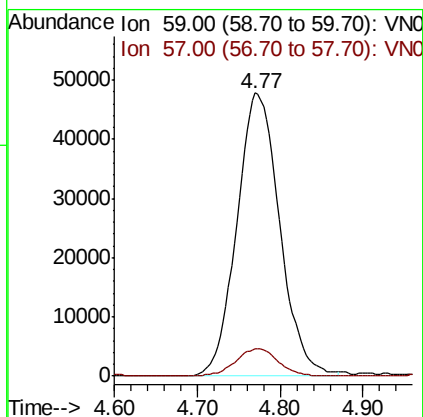
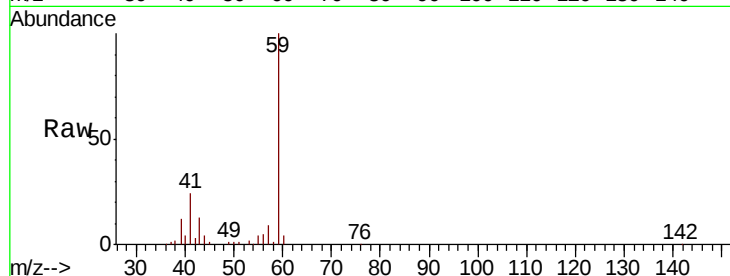


#11

Tert butyl alcohol
 Concen: 240.136 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

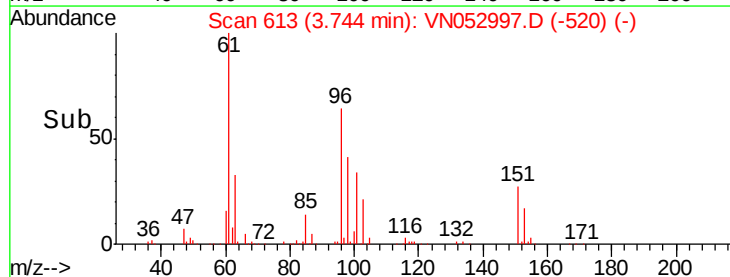
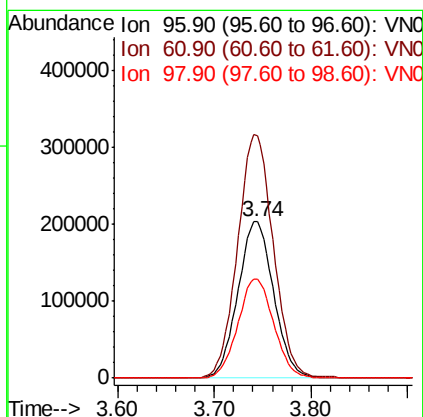
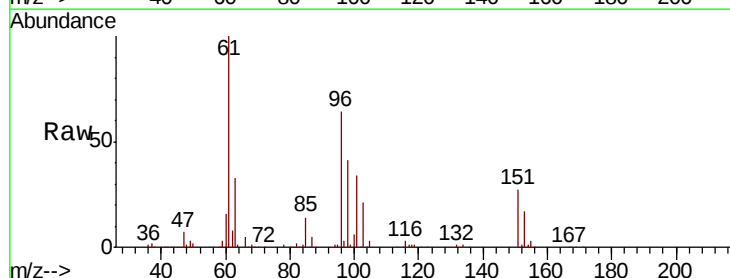
Tot Ion: 59 Resp: 171969
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.7 11.5

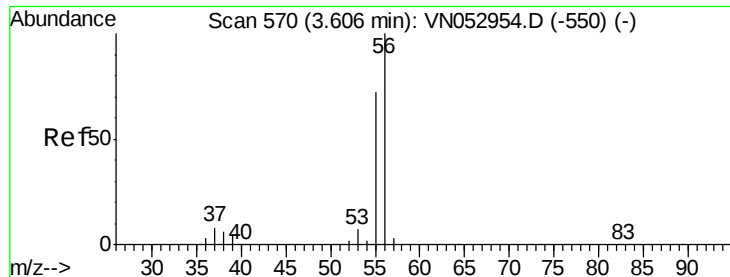


#12

1,1-Dichloroethene
 Concen: 47.466 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 96 Resp: 523240
 Ion Ratio Lower Upper
 96 100
 61 155.2 125.6 188.4
 98 63.2 50.6 75.8

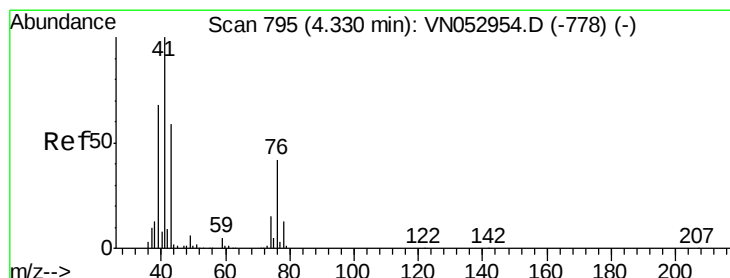
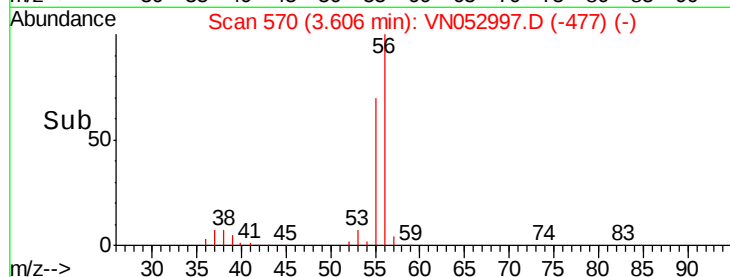
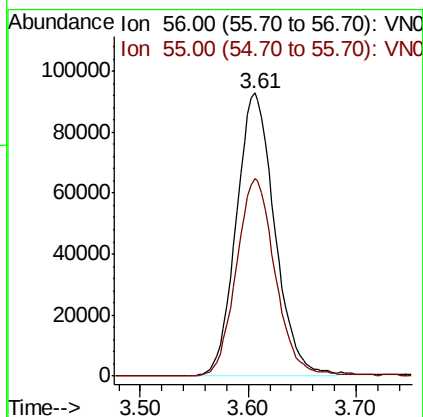
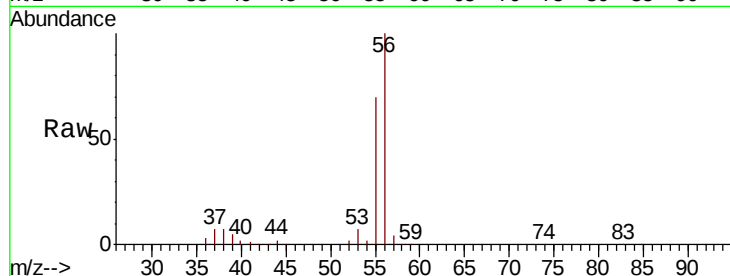




#13
Acrolein
Concen: 353.550 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

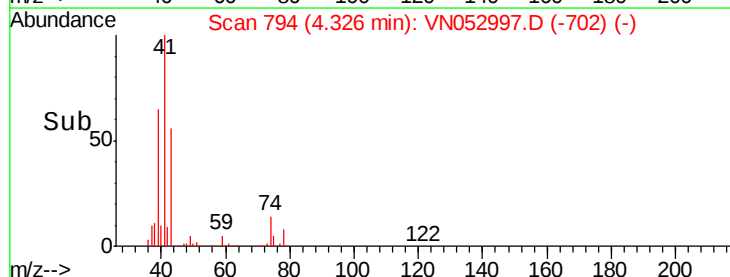
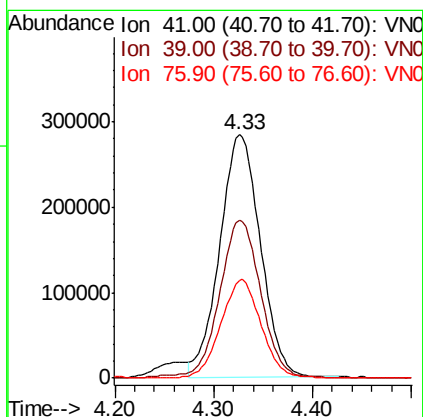
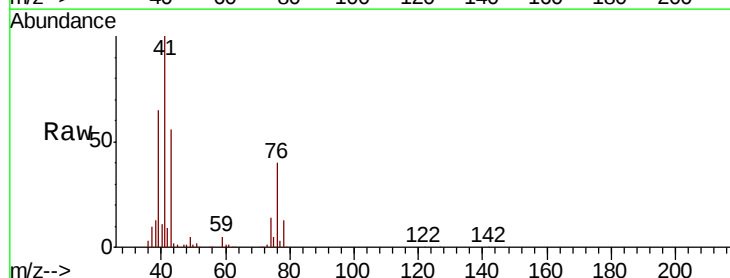
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 56 Resp: 229576
Ion Ratio Lower Upper
56 100
55 70.7 56.6 85.0



#14
Allyl chloride
Concen: 47.941 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 41 Resp: 818597
Ion Ratio Lower Upper
41 100
39 66.5 54.1 81.1
76 39.3 30.3 45.5





#15

Acrylonitrile

Concen: 235.009 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

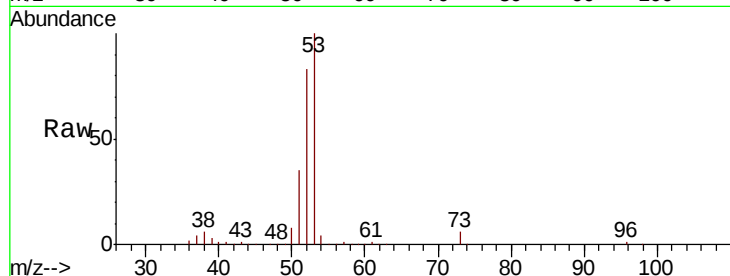
Tot Ion: 53 Resp: 934975

Ion Ratio Lower Upper

53 100

52 82.6 65.1 97.7

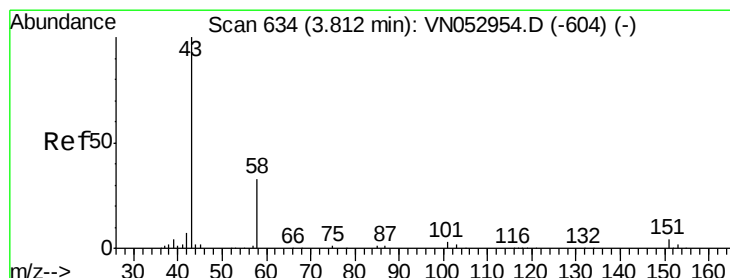
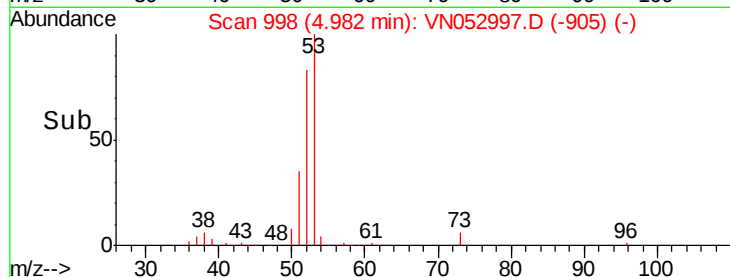
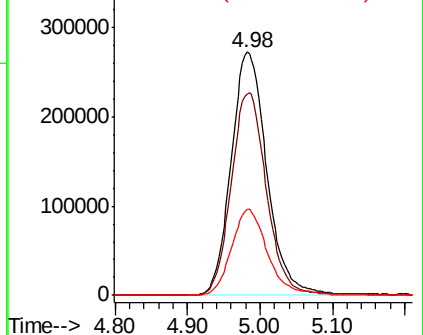
51 35.9 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052997.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN052997.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN052997.D (-905) (-)



#16

Acetone

Concen: 223.900 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052997.D

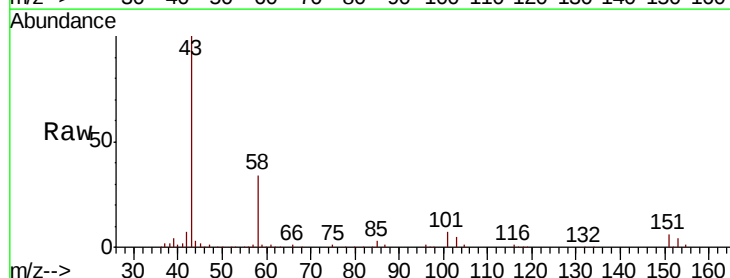
Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 515241

Ion Ratio Lower Upper

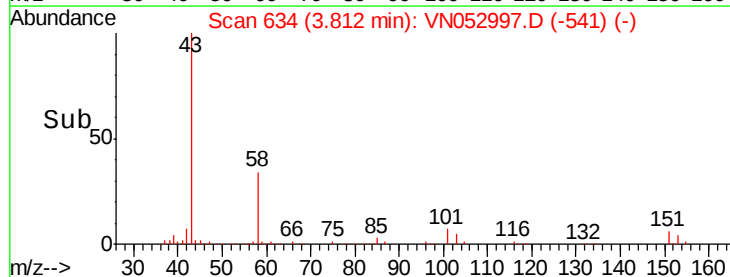
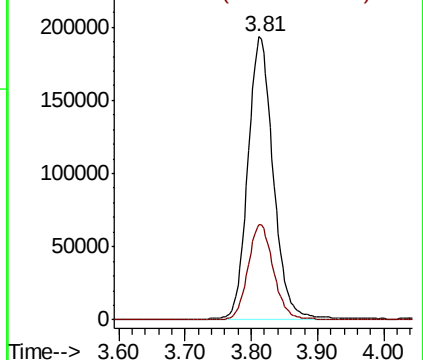
43 100

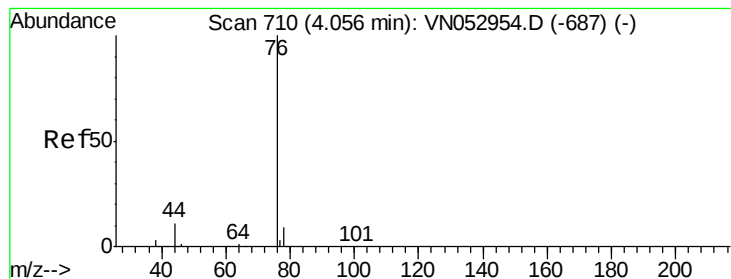
58 33.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN052997.D (-541) (-)





#17

Carbon Disulfide

Concen: 43.771 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

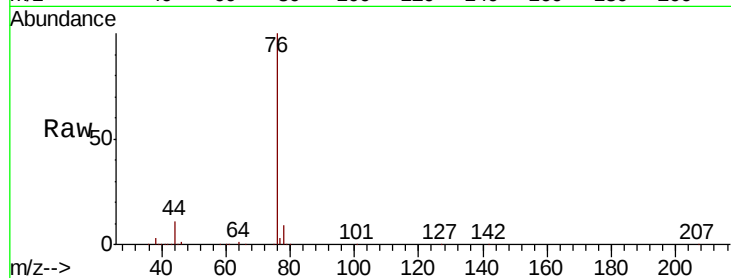
VSTDCCC050

Tot Ion: 76 Resp: 1573574

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN052997.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN052997.D (-617) (-)

4.06

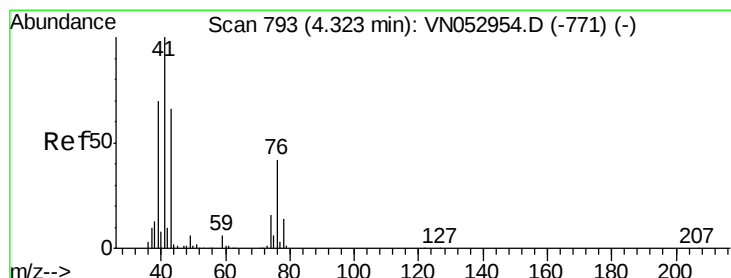
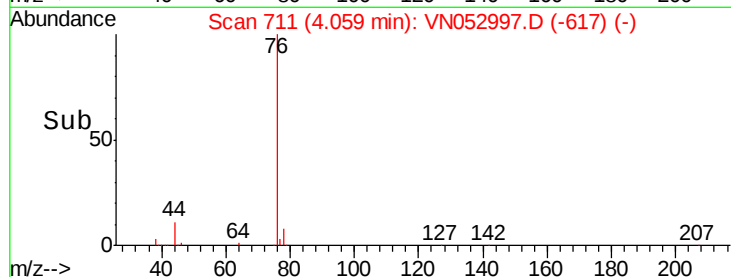
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 45.629 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN052997.D

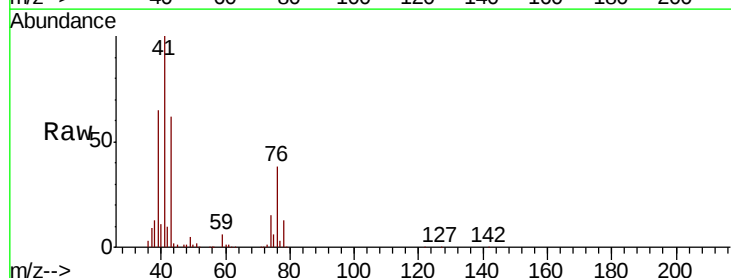
Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 475654

Ion Ratio Lower Upper

43 100

74 24.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052997.D (-700) (-)

4.32

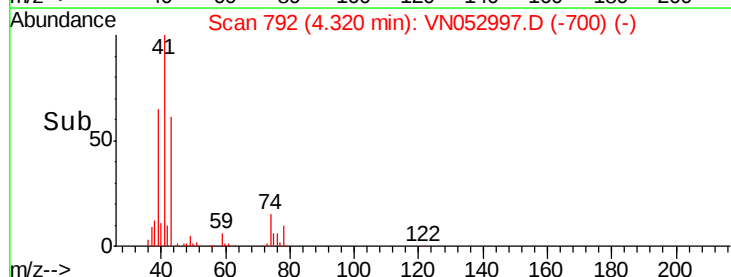
150000

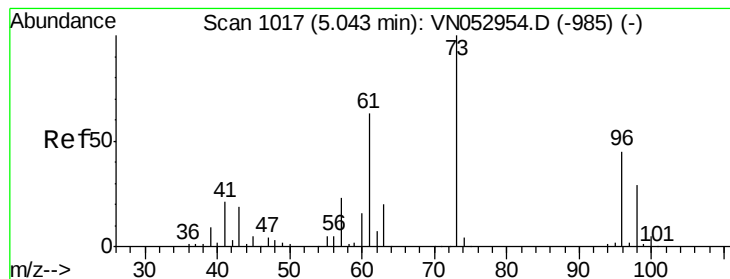
100000

50000

0

Time-->



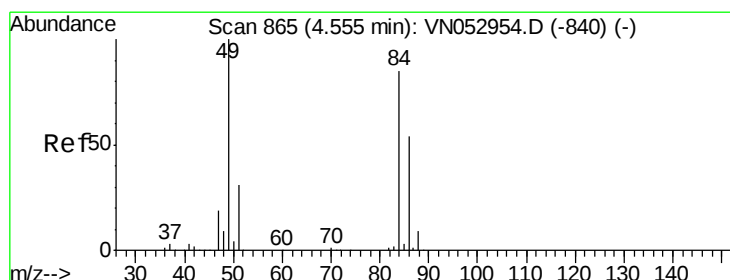
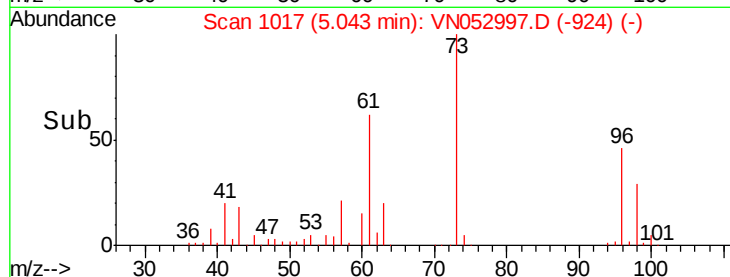
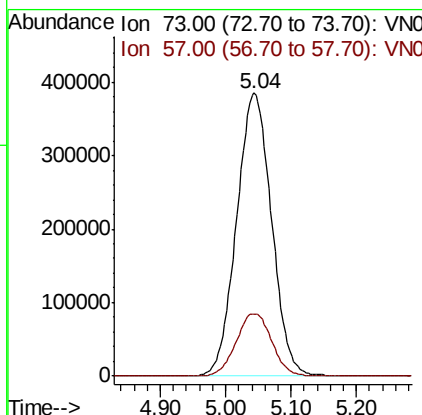
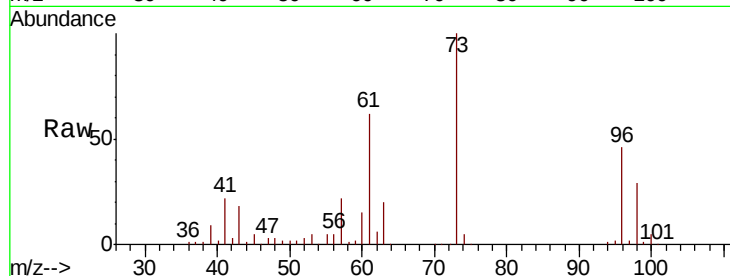


#19

Methyl tert-butyl Ether
 Concen: 48.513 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

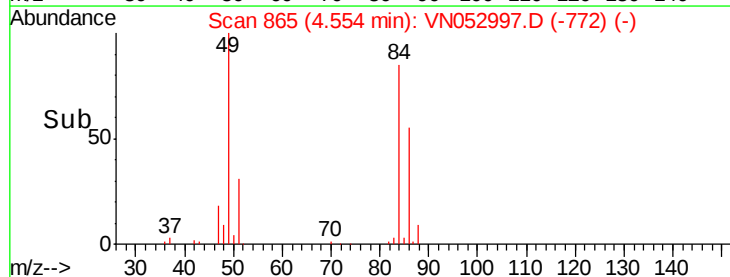
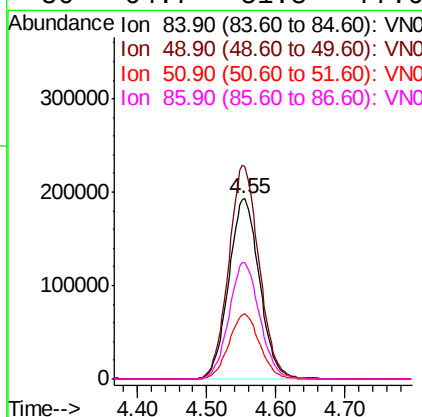
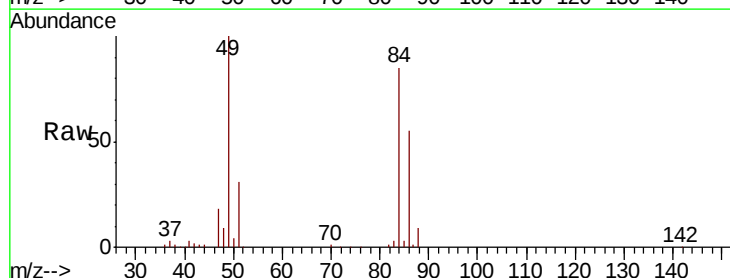
Tot Ion: 73 Resp: 1431111
 Ion Ratio Lower Upper
 73 100
 57 21.9 18.4 27.6

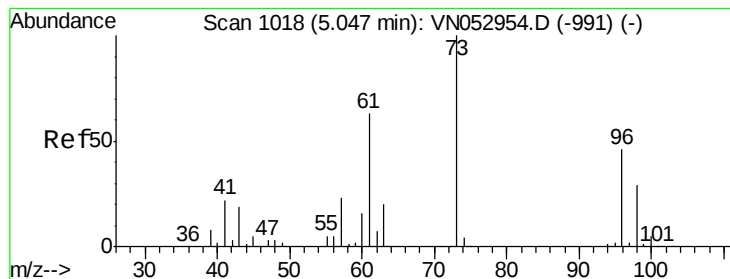


#20

Methylene Chloride
 Concen: 47.549 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 84 Resp: 596875
 Ion Ratio Lower Upper
 84 100
 49 117.9 96.8 145.2
 51 36.3 29.9 44.9
 86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.630 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

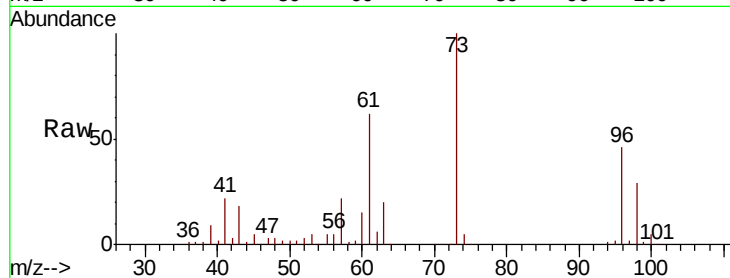
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 564117

Ion	Ratio	Lower	Upper
96	100		
61	136.5	110.8	166.2
98	63.1	51.4	77.2

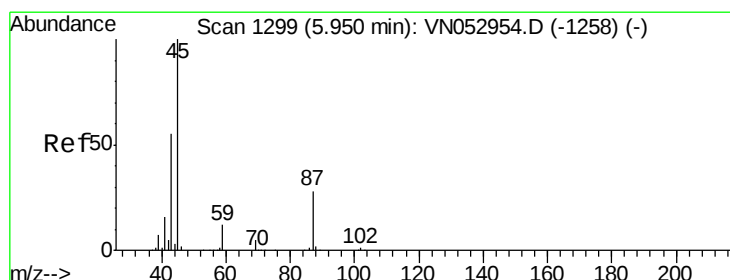
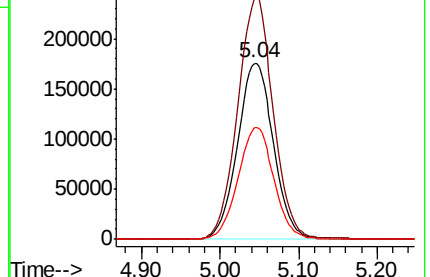
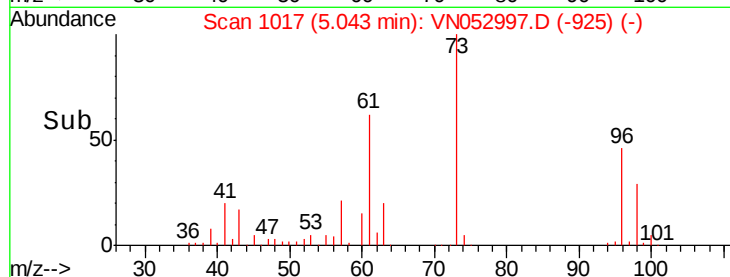


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.311 ug/l

RT: 5.95 min Scan# 1299

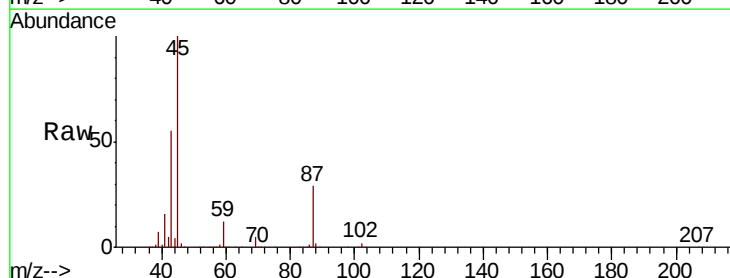
Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion: 45 Resp: 1797242

Ion	Ratio	Lower	Upper
45	100		
43	55.4	45.5	68.3
87	28.6	22.0	33.0
59	12.0	9.4	14.0



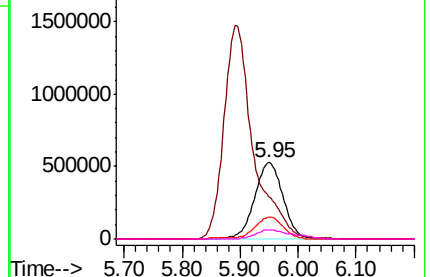
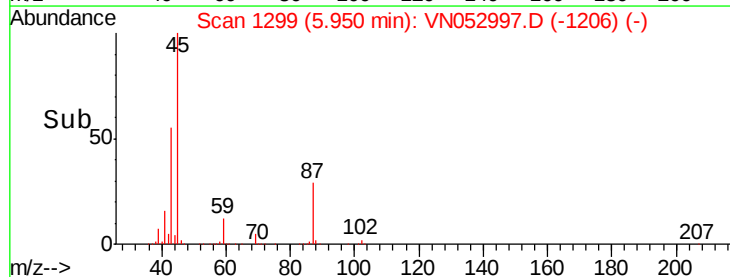
Abundance

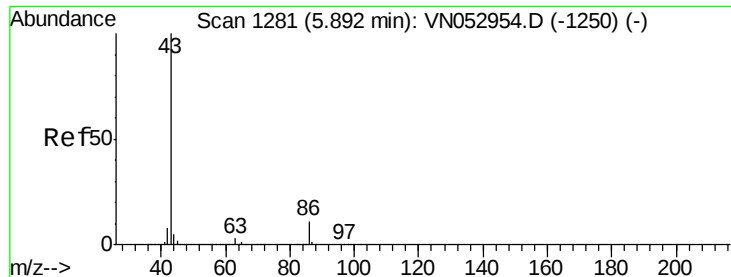
Ion 45.00 (44.70 to 45.70): VN0

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





#23

Vinyl Acetate

Concen: 247.822 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

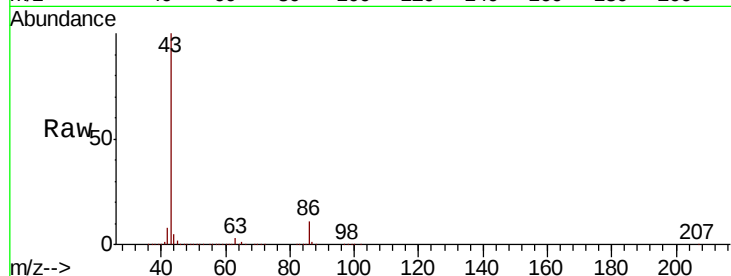
VSTDCCC050

Tot Ion: 43 Resp: 5193849

Ion Ratio Lower Upper

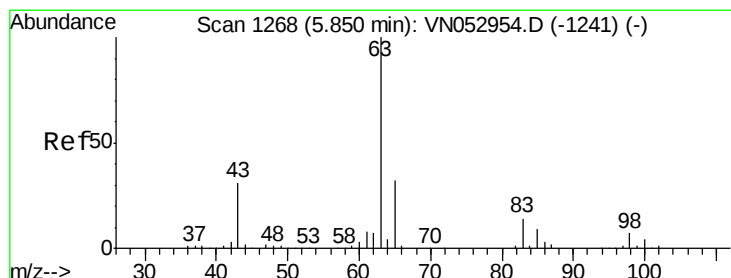
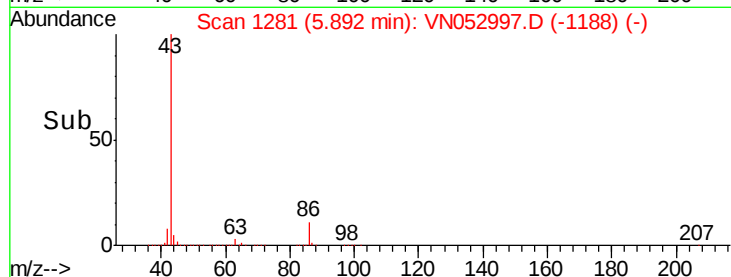
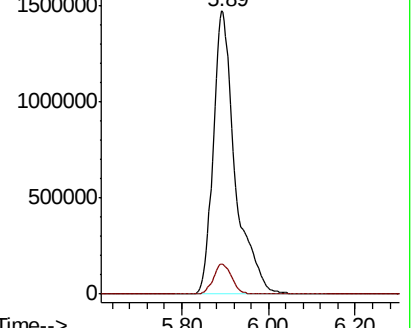
43 100

86 10.8 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-1188) (-)

Ion 86.00 (85.70 to 86.70): VN052997.D (-1188) (-)



#24

1,1-Dichloroethane

Concen: 47.948 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

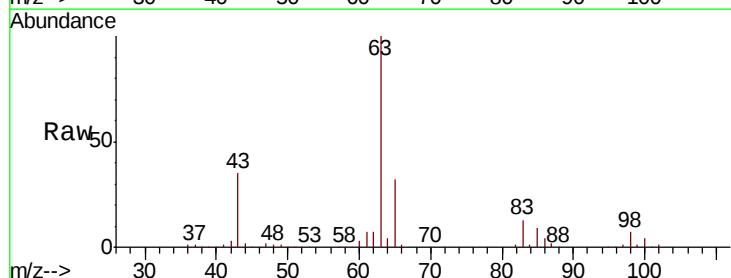
Tgt Ion: 63 Resp: 1038436

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

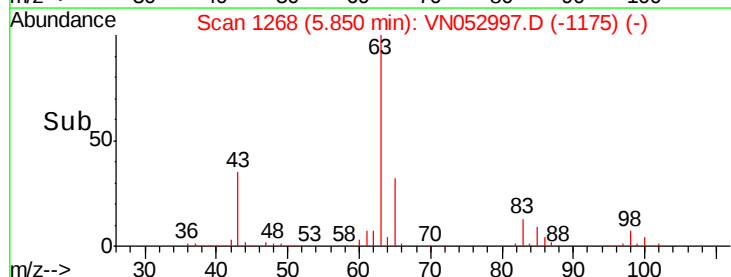
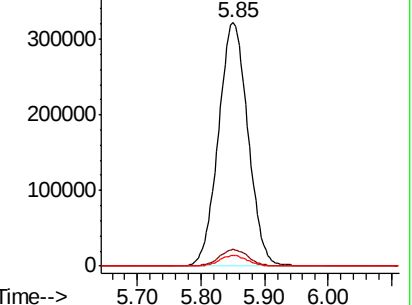
100 4.3 2.0 5.8

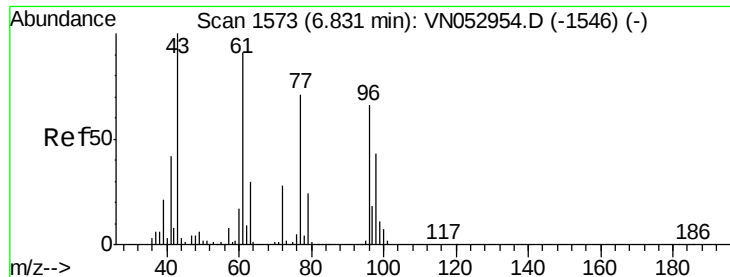


Abundance Ion 62.90 (62.60 to 63.60): VN052997.D (-1175) (-)

Ion 97.90 (97.60 to 98.60): VN052997.D (-1175) (-)

Ion 99.90 (99.60 to 100.60): VN052997.D (-1175) (-)

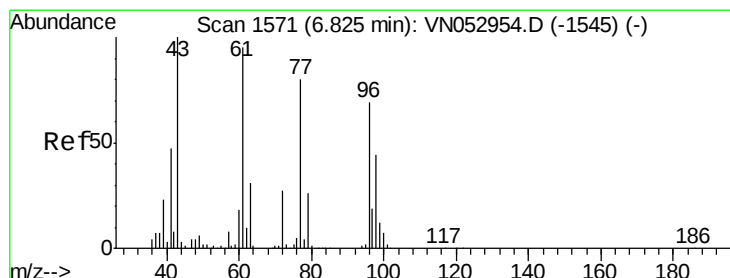
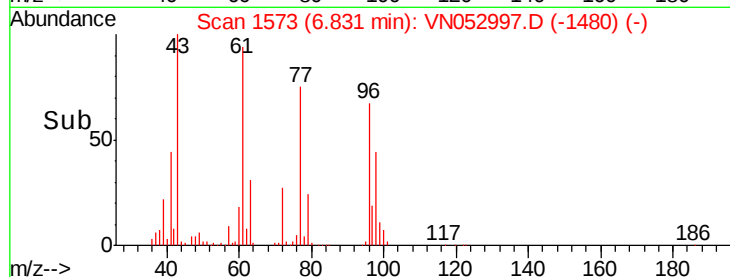
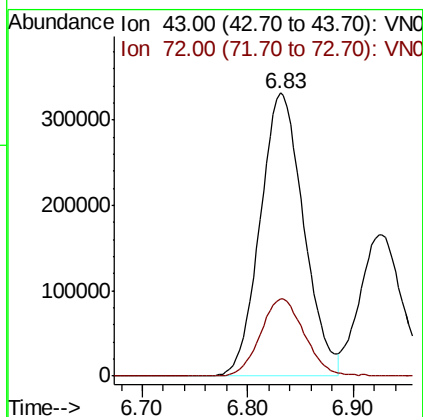
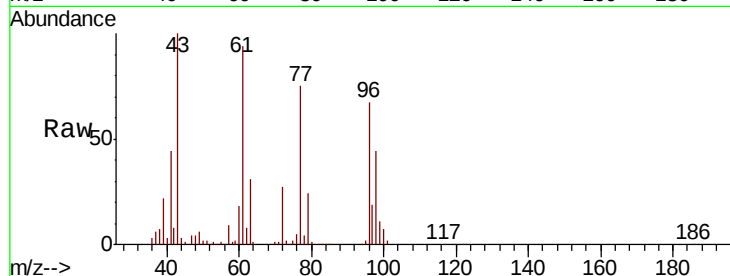




#25
2-Butanone
Concen: 245.737 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

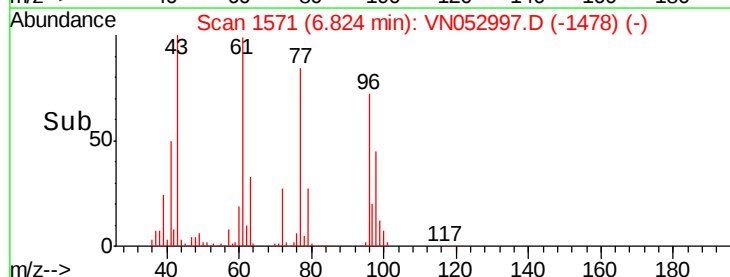
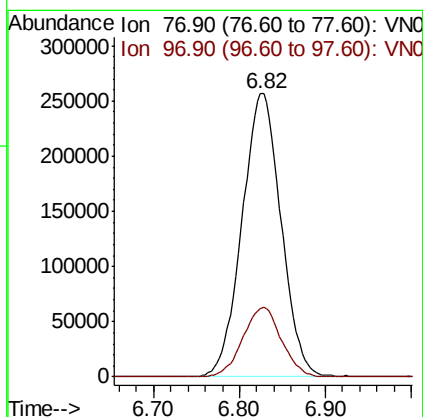
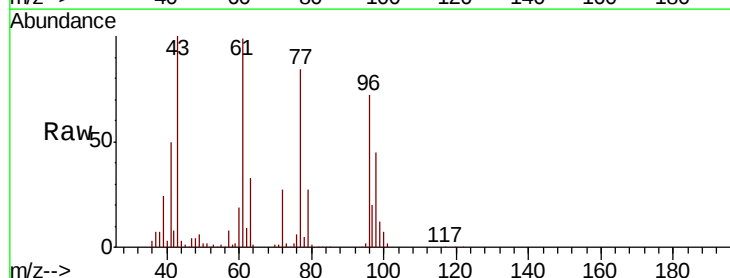
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

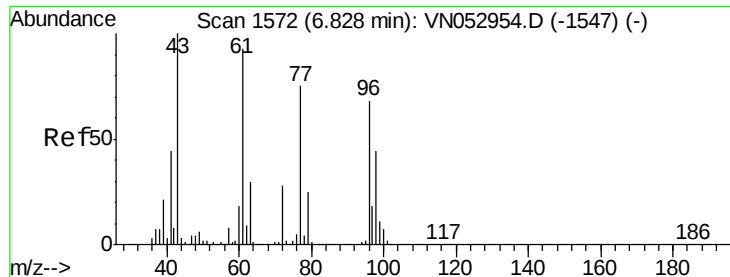
Tot Ion: 43 Resp: 949036
Ion Ratio Lower Upper
43 100
72 27.2 21.0 31.6



#26
2,2-Dichloropropane
Concen: 49.005 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 77 Resp: 810189
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 47.983 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

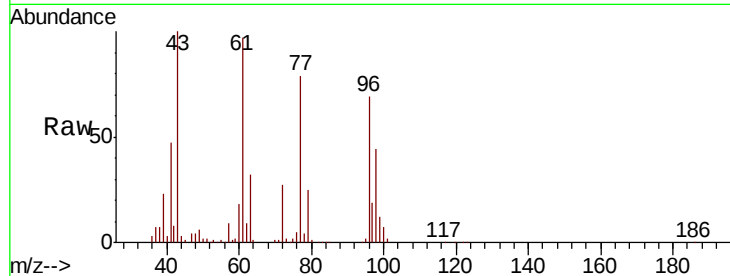
Tot Ion: 96 Resp: 643381

Ion Ratio Lower Upper

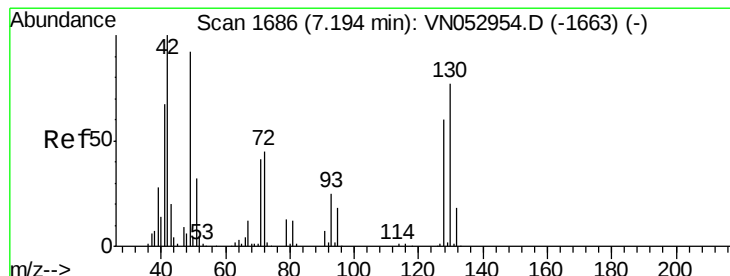
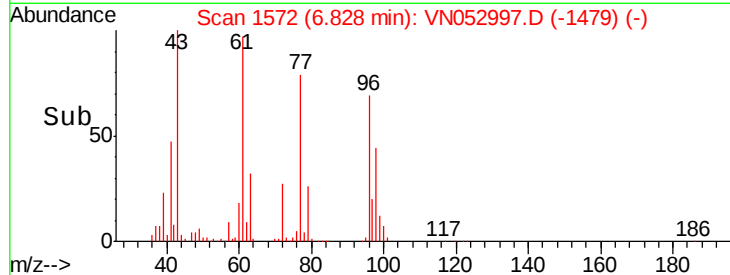
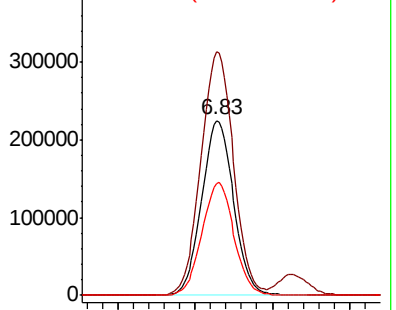
96 100

61 142.3 0.0 284.2

98 64.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.026 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

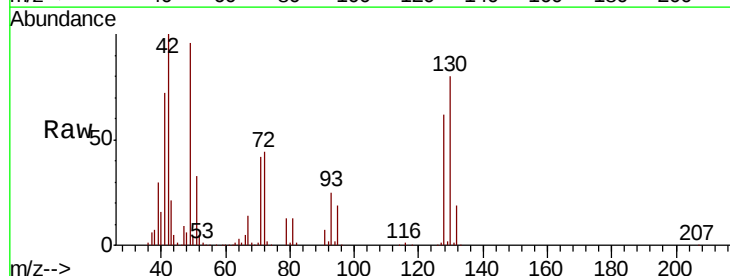
Tgt Ion: 49 Resp: 460094

Ion Ratio Lower Upper

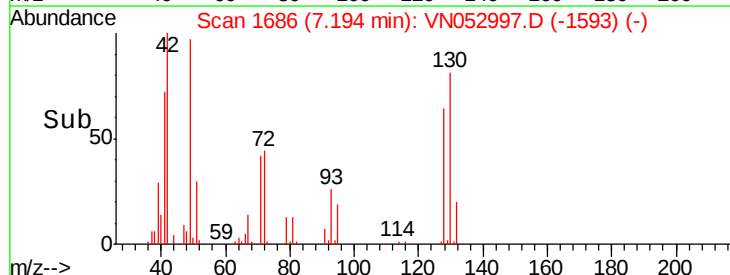
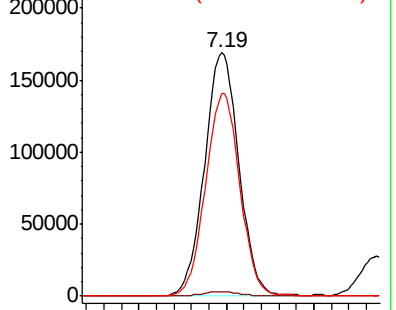
49 100

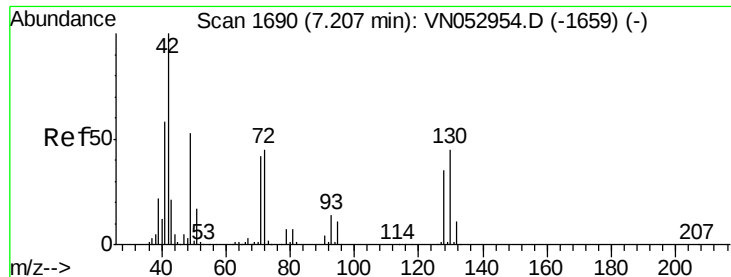
129 1.9 0.0 4.0

130 83.2 63.3 94.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 239.257 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

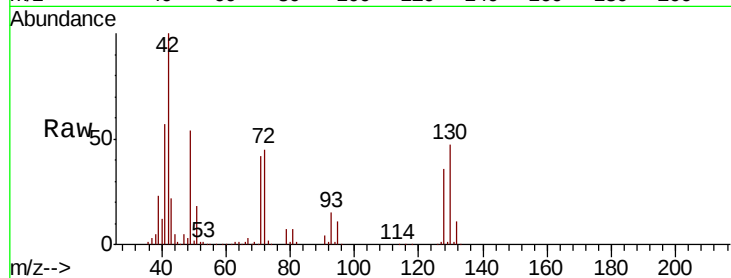
Tot Ion: 42 Resp: 690116

Ion Ratio Lower Upper

42 100

72 44.9 34.7 52.1

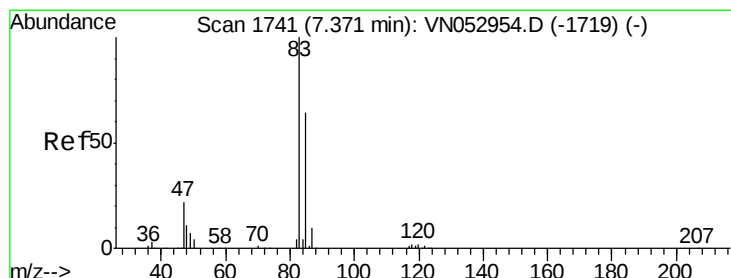
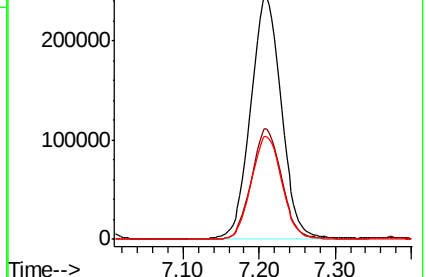
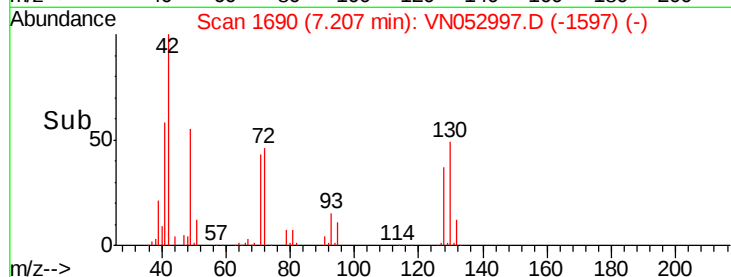
71 42.4 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN052997.D (-1597) (-)

Ion 72.00 (71.70 to 72.70): VN052997.D (-1597) (-)

Ion 71.00 (70.70 to 71.70): VN052997.D (-1597) (-)



#30

Chloroform

Concen: 48.046 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052997.D

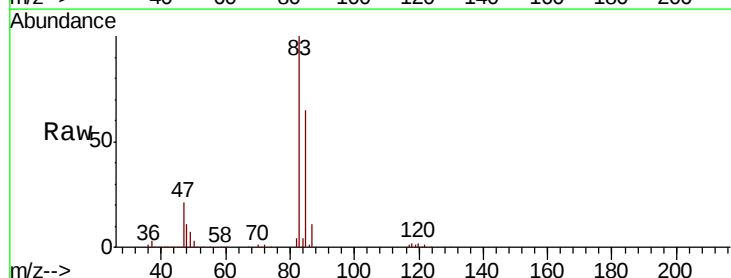
Acq: 19 Dec 2018 8:55

Tgt Ion: 83 Resp: 1022204

Ion Ratio Lower Upper

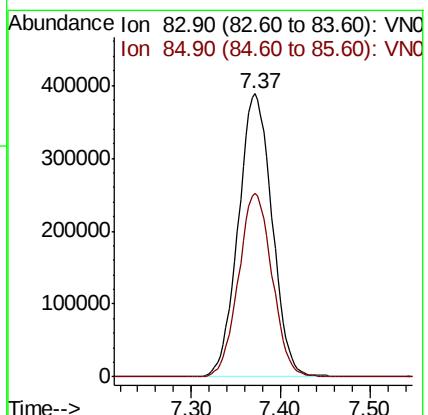
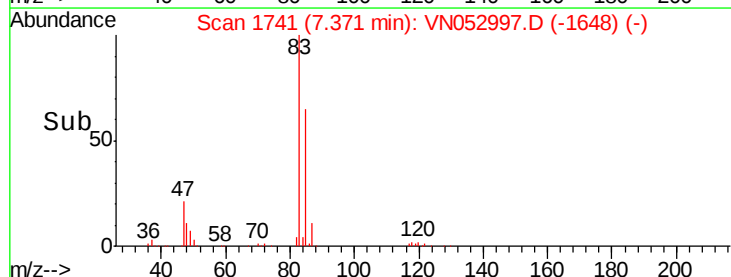
83 100

85 65.0 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN052997.D (-1648) (-)

Ion 84.90 (84.60 to 85.60): VN052997.D (-1648) (-)





#31

Cyclohexane

Concen: 49.744 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

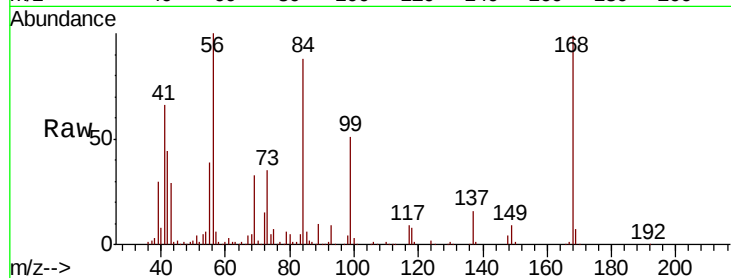
Tot Ion: 56 Resp: 1010520

Ion Ratio Lower Upper

56 100

69 32.8 26.6 39.8

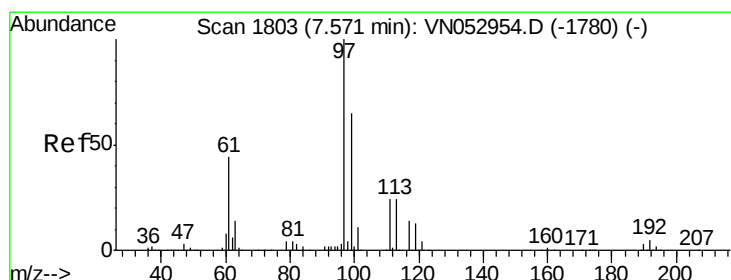
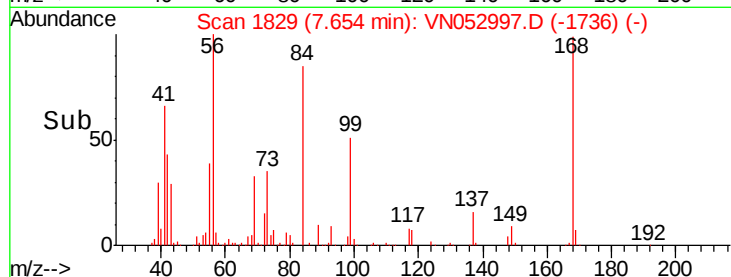
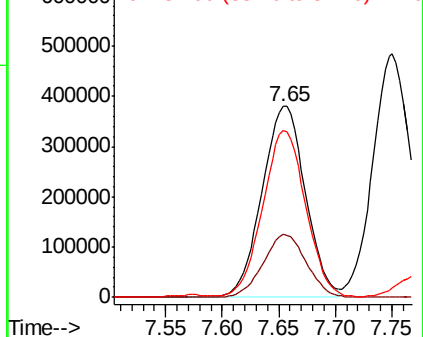
84 86.3 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 47.689 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

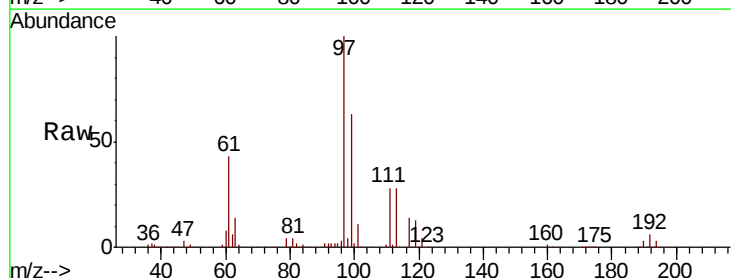
Tgt Ion: 97 Resp: 864305

Ion Ratio Lower Upper

97 100

99 64.0 51.1 76.7

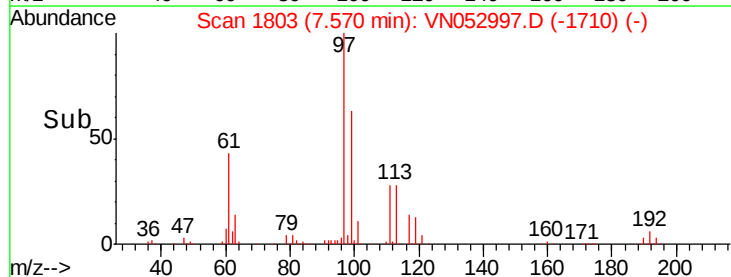
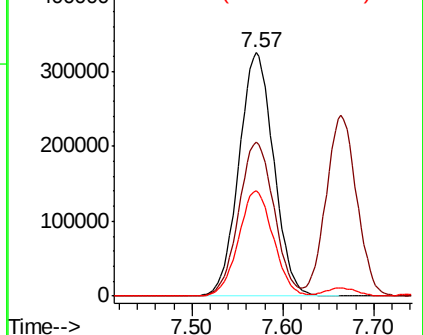
61 43.2 35.0 52.6



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

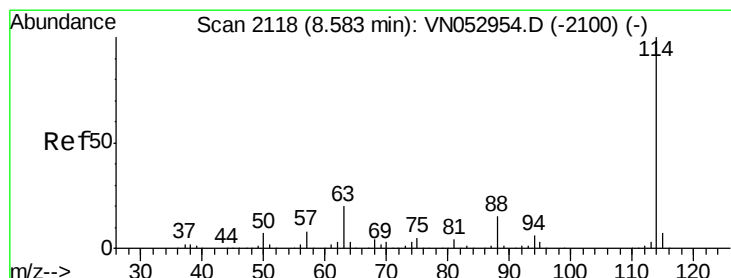
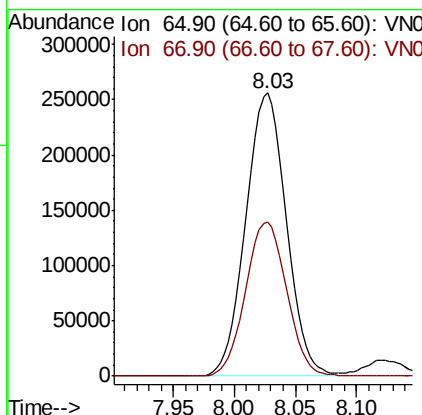
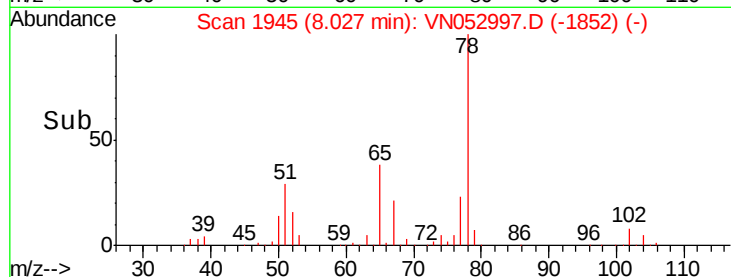
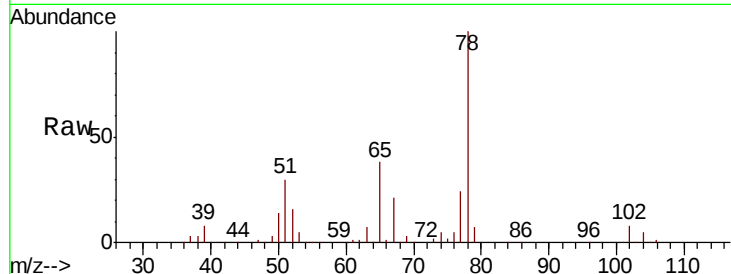




#33
 1,2-Dichloroethane-d4
 Concen: 47.689 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

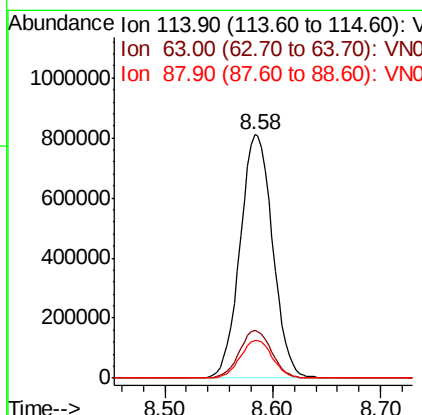
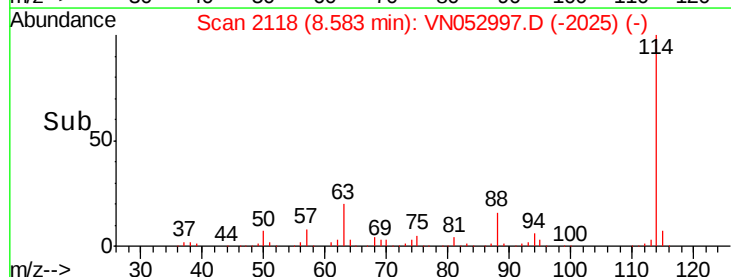
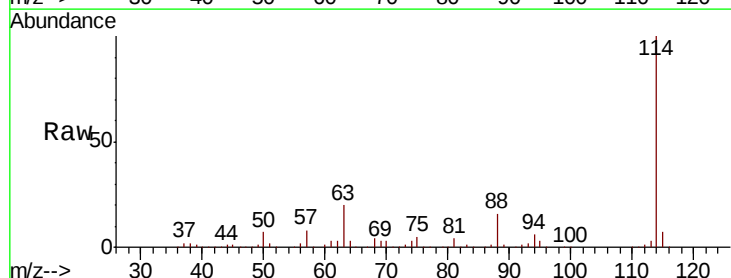
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

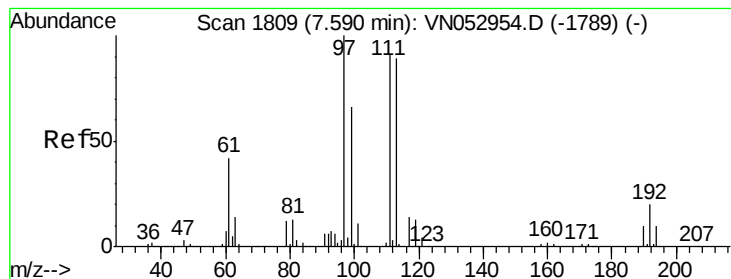
Tot Ion: 65 Resp: 590402
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 114 Resp: 1702873
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

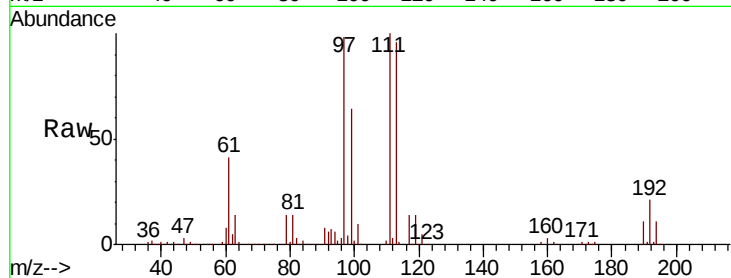
Tot Ion:113 Resp: 452087

Ion Ratio Lower Upper

113 100

111 102.0 83.0 124.4

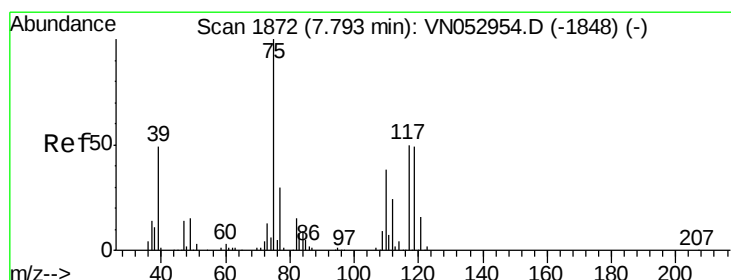
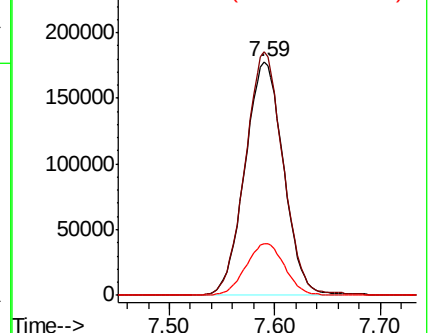
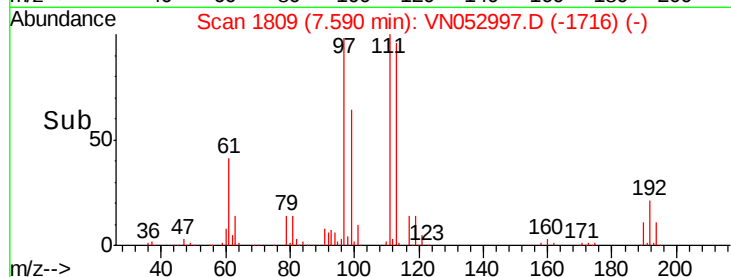
192 22.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.848 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

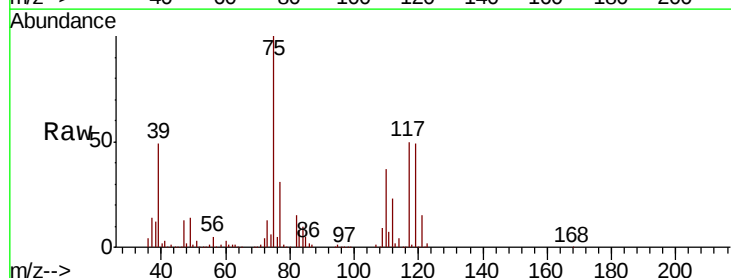
Tgt Ion: 75 Resp: 814745

Ion Ratio Lower Upper

75 100

110 36.6 18.2 54.6

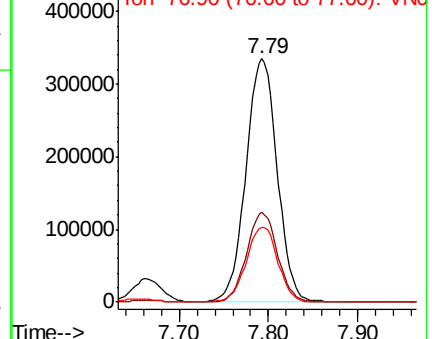
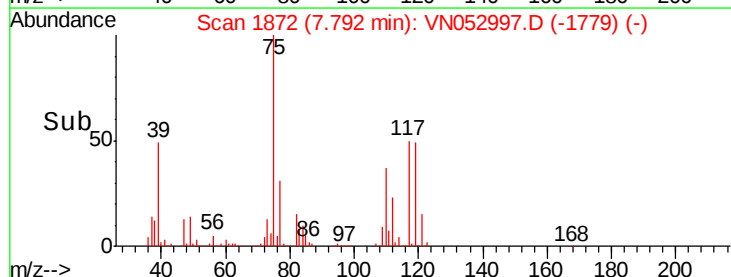
77 31.2 24.9 37.3

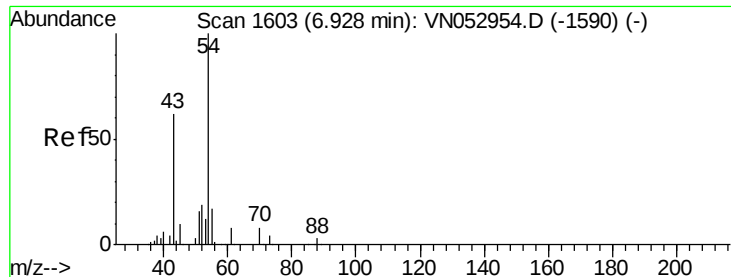


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

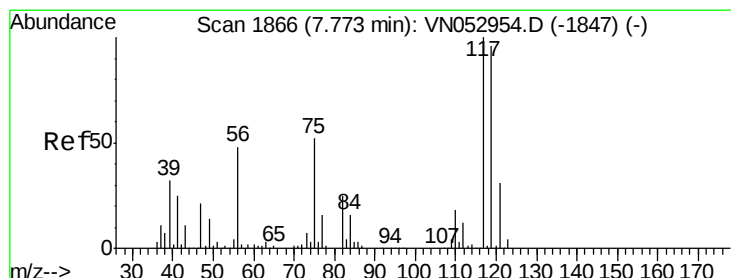
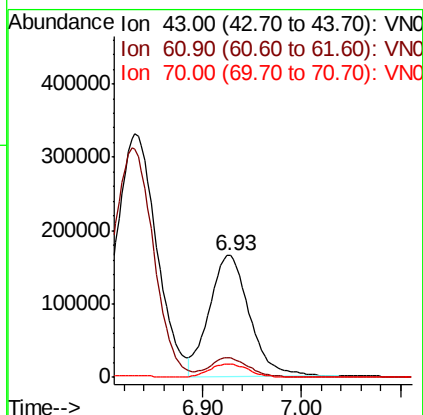
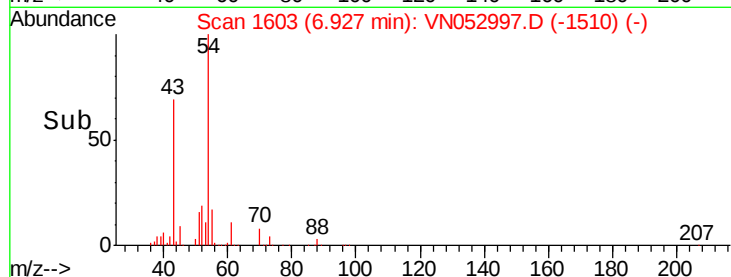
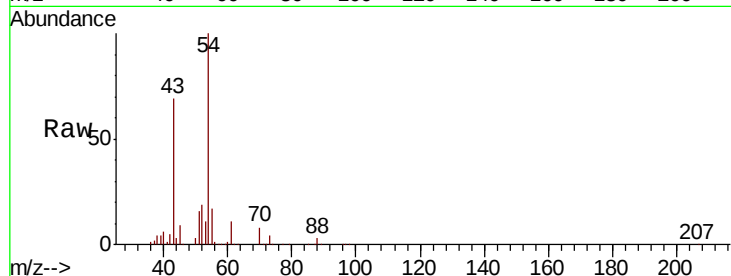




#37
Ethyl Acetate
Concen: 51.505 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

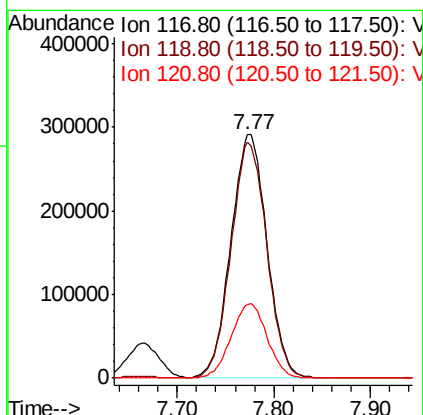
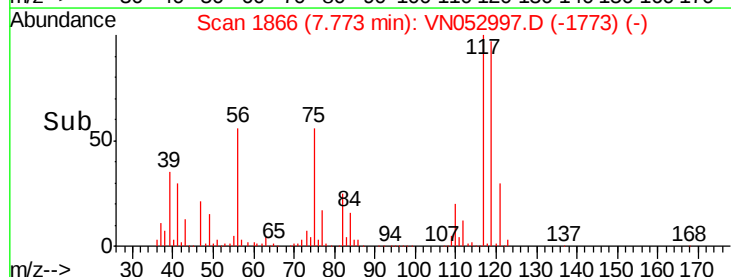
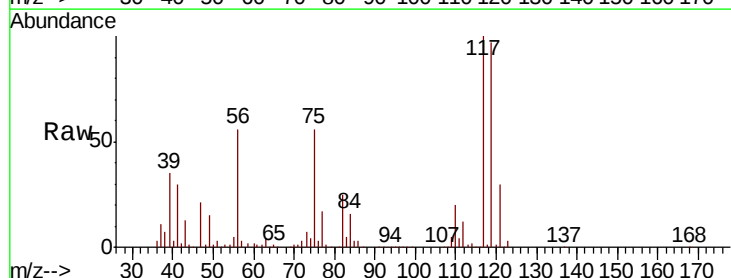
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 469947
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 11.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 50.152 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 117 Resp: 751351
Ion Ratio Lower Upper
117 100
119 96.9 77.1 115.7
121 30.4 24.9 37.3

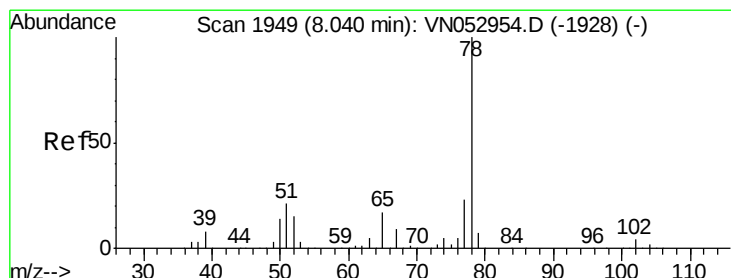
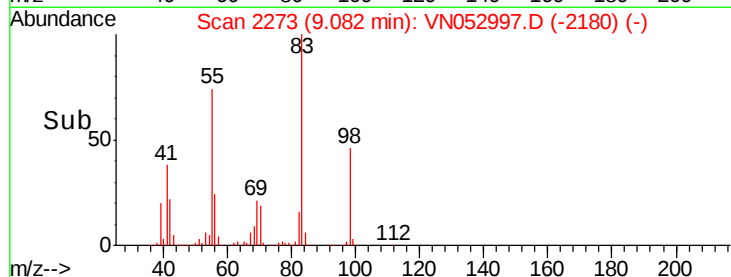
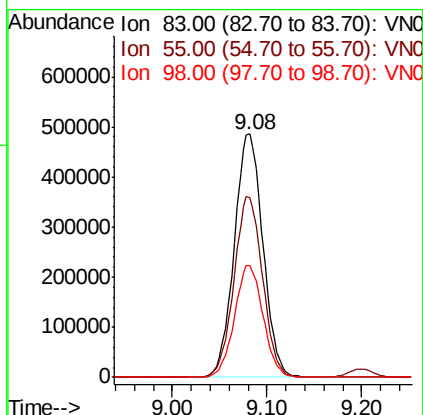
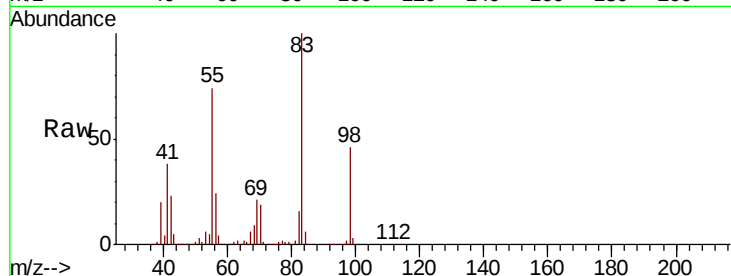




#39
Methvlcvclohexane
Concen: 51.478 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

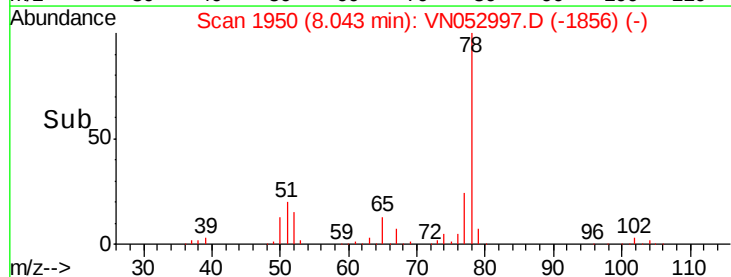
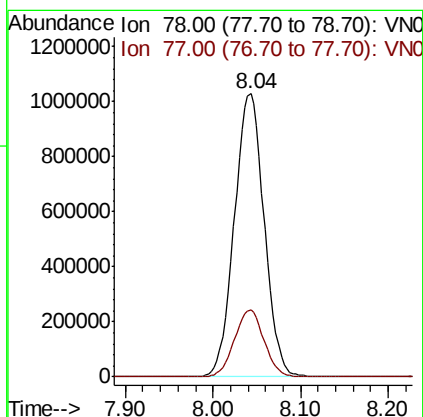
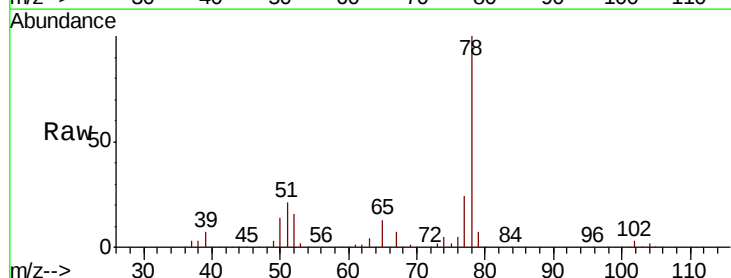
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

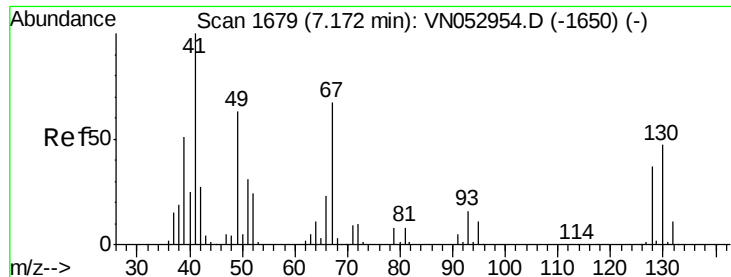
Tot Ion: 83 Resp: 1022125
Ion Ratio Lower Upper
83 100
55 73.7 61.3 91.9
98 45.7 37.0 55.4



#40
Benzene
Concen: 50.114 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 78 Resp: 2436387
Ion Ratio Lower Upper
78 100
77 23.7 18.5 27.7

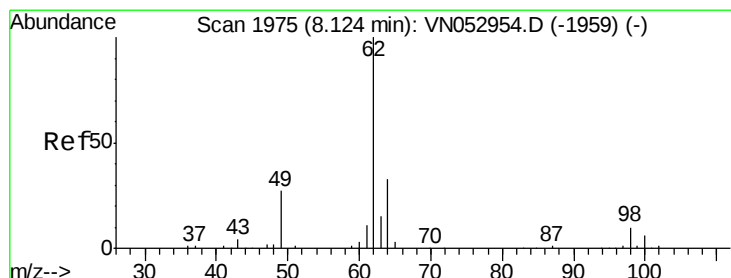
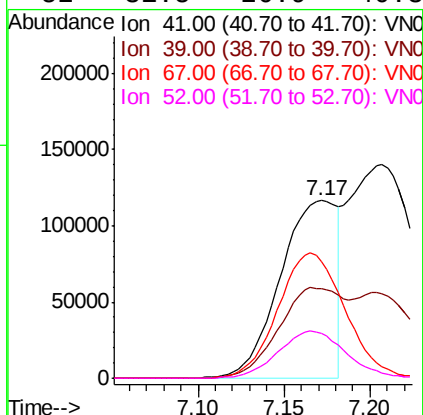
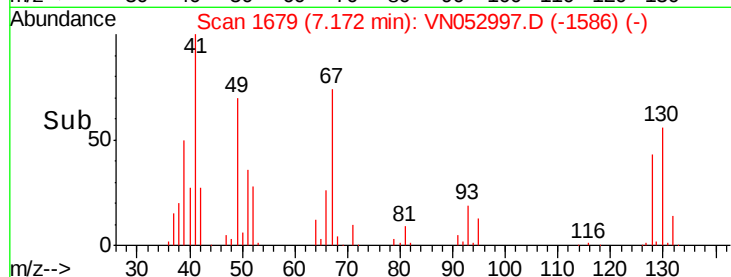
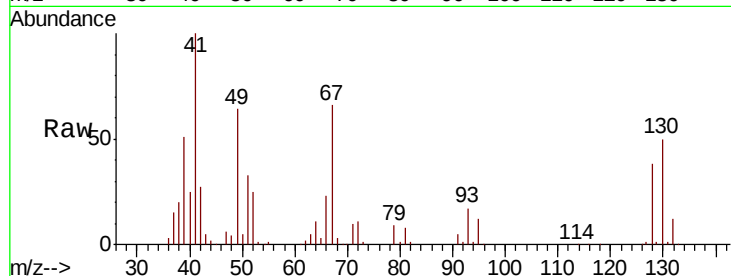




#41
Methacrylonitrile
Concen: 50.654 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

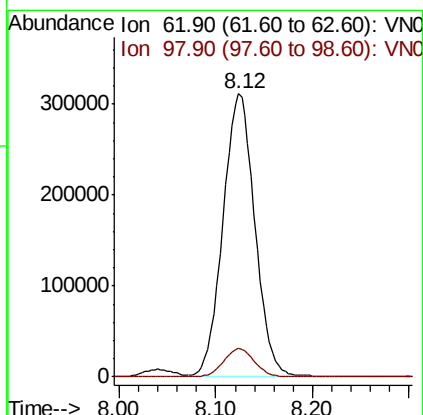
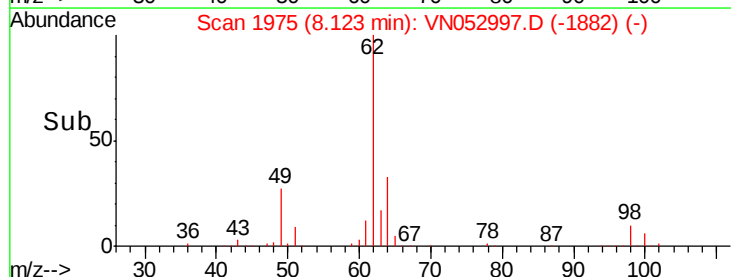
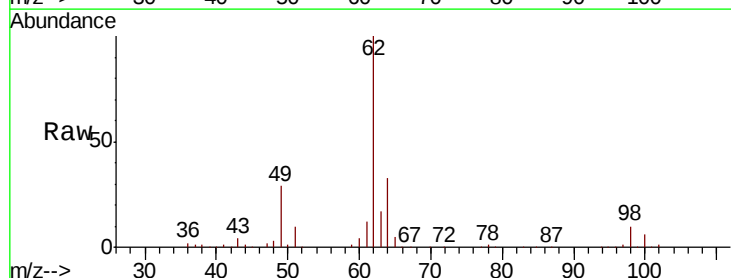
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

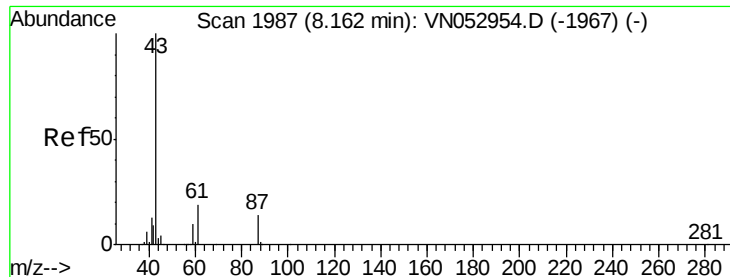
Tot Ion: 41 Resp: 267047
Ion Ratio Lower Upper
41 100
39 58.8 48.0 72.0
67 83.9 70.3 105.5
52 31.5 26.9 40.3



#42
1,2-Dichloroethane
Concen: 49.470 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 62 Resp: 710495
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.0





#43

Isopropyl Acetate

Concen: 50.063 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

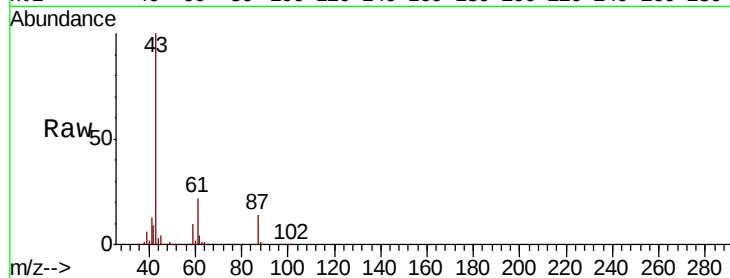
Tot Ion: 43 Resp: 883959

Ion Ratio Lower Upper

43 100

61 29.5 22.9 34.3

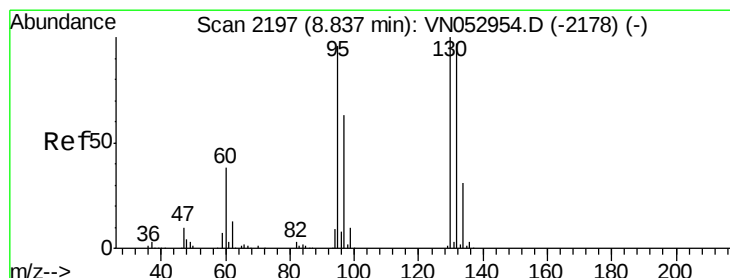
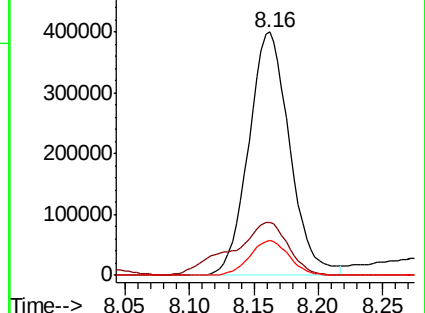
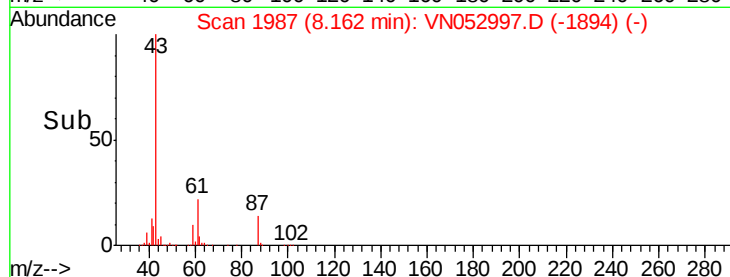
87 14.0 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN052997.D (-2104) (-)

Ion 61.00 (60.70 to 61.70): VN052997.D (-2104) (-)

Ion 87.00 (86.70 to 87.70): VN052997.D (-2104) (-)



#44

Trichloroethene

Concen: 49.596 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052997.D

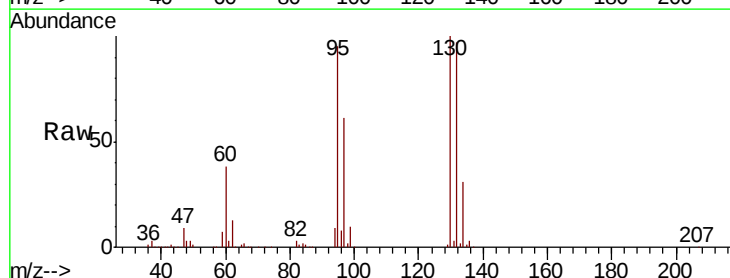
Acq: 19 Dec 2018 8:55

Tgt Ion: 130 Resp: 697407

Ion Ratio Lower Upper

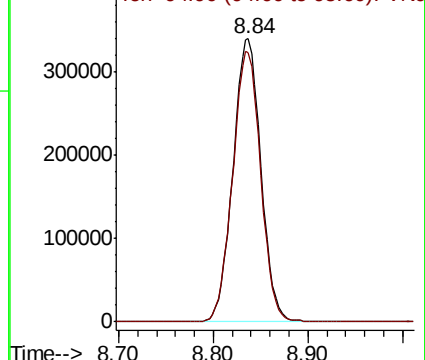
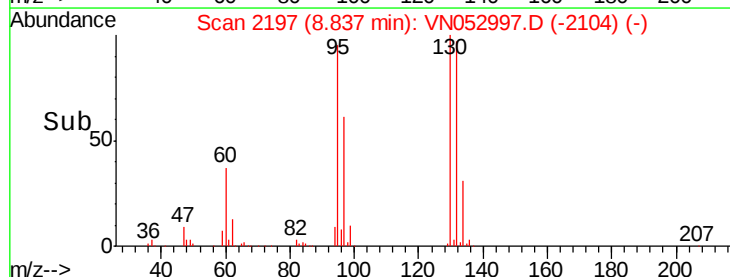
130 100

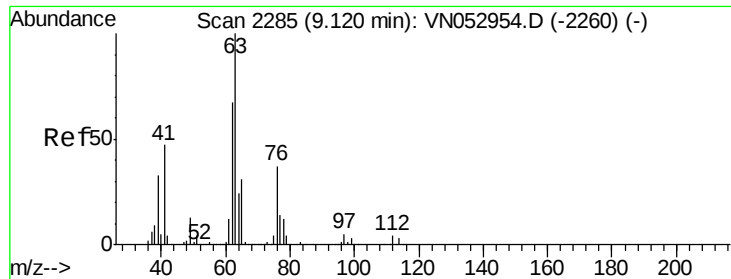
95 95.1 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN052997.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052997.D (-2104) (-)

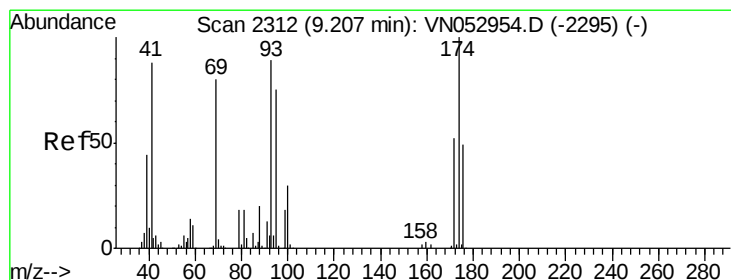
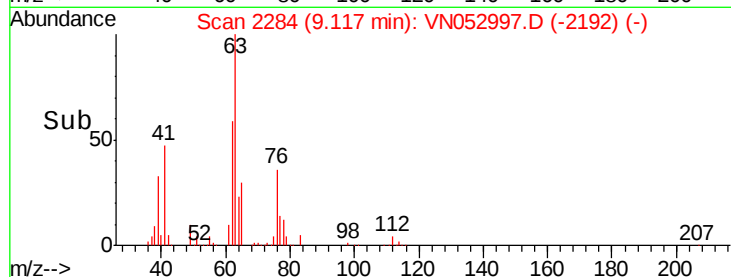
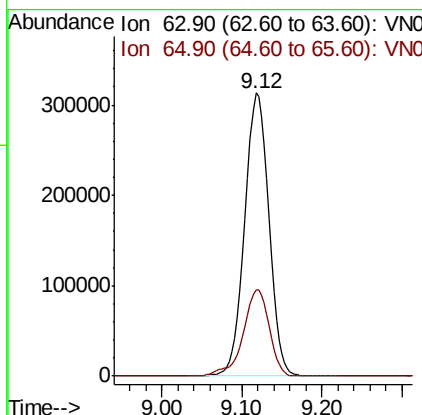
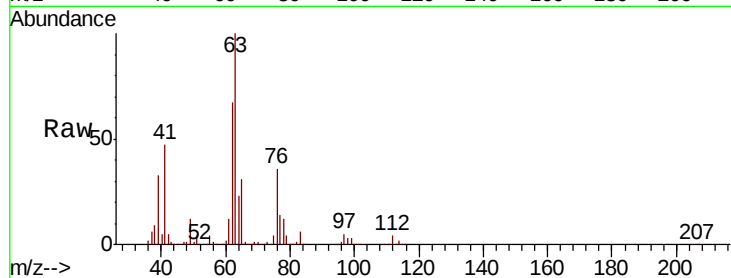




#45
 1,2-Dichloropropane
 Concen: 50.511 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

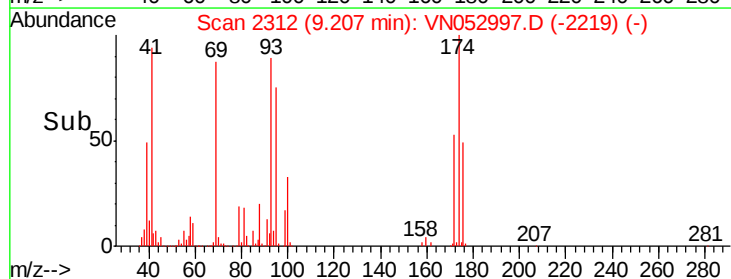
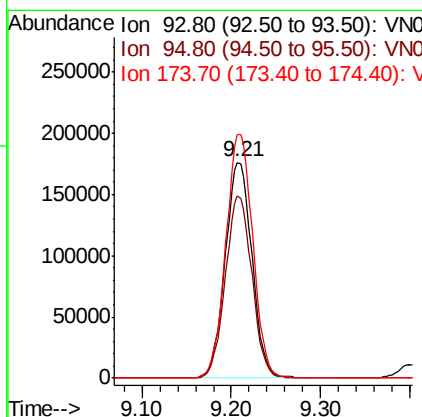
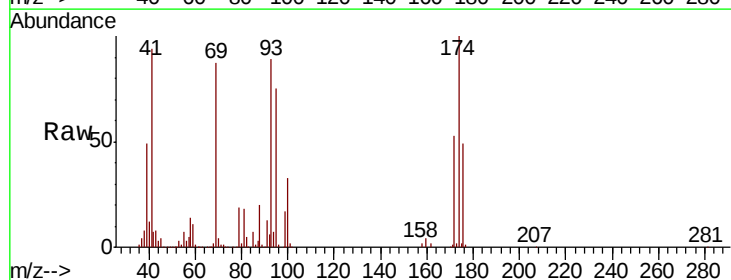
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

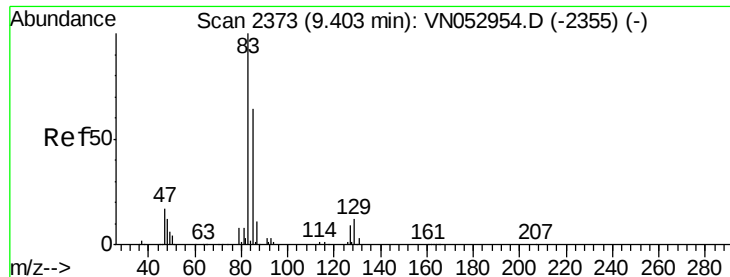
Tot Ion: 63 Resp: 639631
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.6 37.0



#46
 Dibromomethane
 Concen: 49.667 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 93 Resp: 366387
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 113.6 89.0 133.4





#47

Bromodichloromethane

Concen: 49.783 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

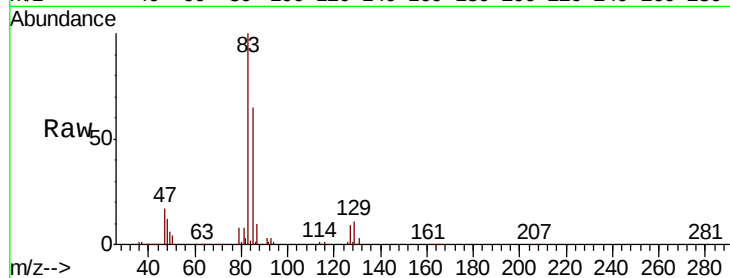
Tot Ion: 83 Resp: 780647

Ion Ratio Lower Upper

83 100

85 64.9 51.6 77.4

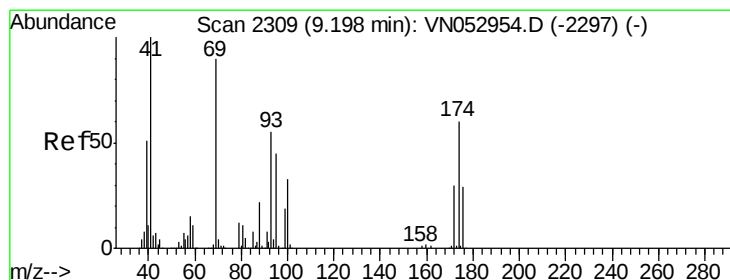
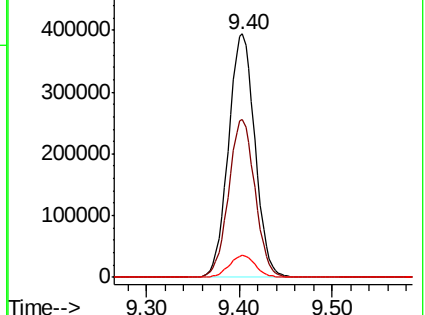
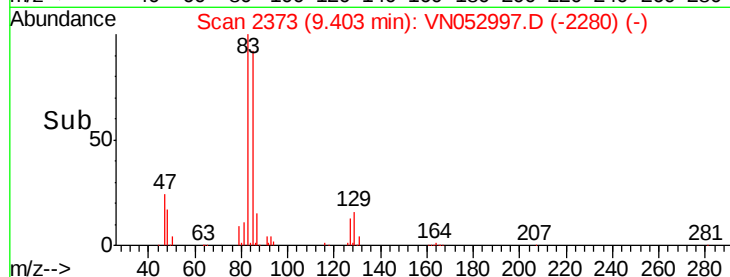
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052997.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052997.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052997.D (-2280) (-)



#48

Methyl methacrylate

Concen: 50.486 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

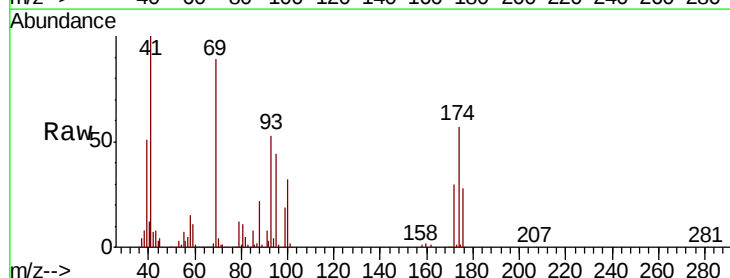
Tgt Ion: 41 Resp: 447006

Ion Ratio Lower Upper

41 100

69 91.8 72.2 108.2

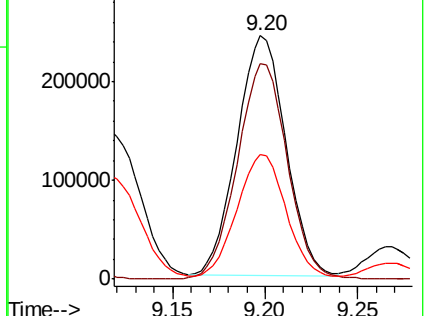
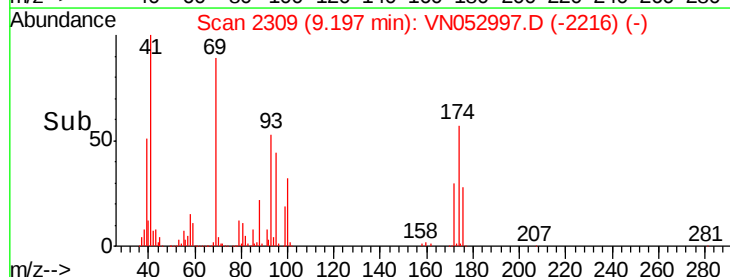
39 52.9 41.9 62.9

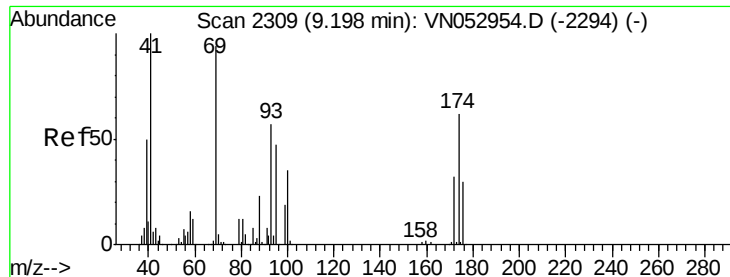


Abundance Ion 41.00 (40.70 to 41.70): VN052997.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052997.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052997.D (-2216) (-)

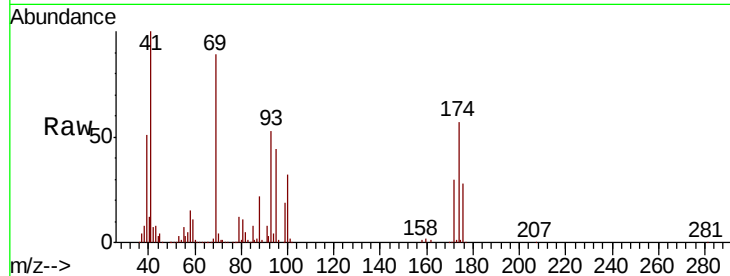




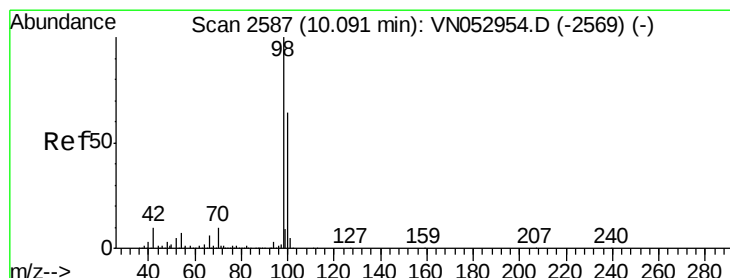
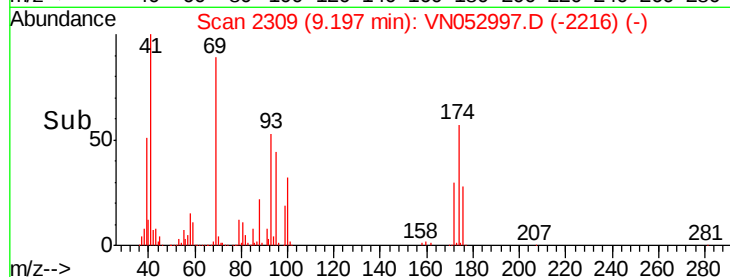
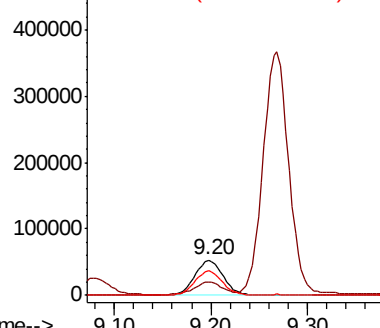
#49
1,4-Dioxane
Concen: 962.200 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 107766
Ion Ratio Lower Upper
88 100
43 33.3 26.6 40.0
58 69.4 58.4 87.6

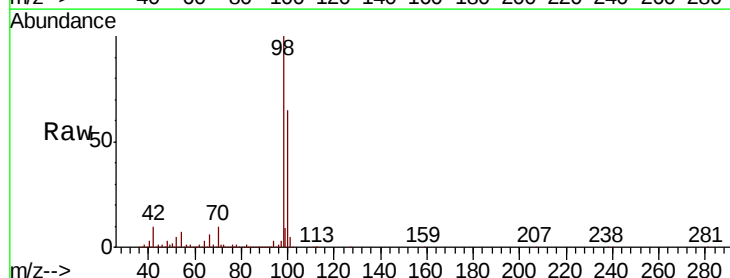


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

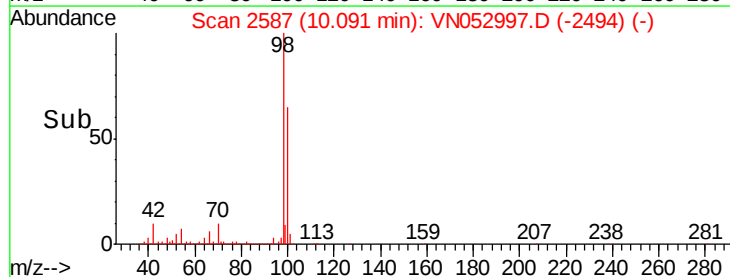
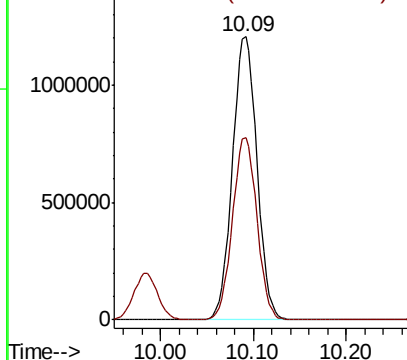


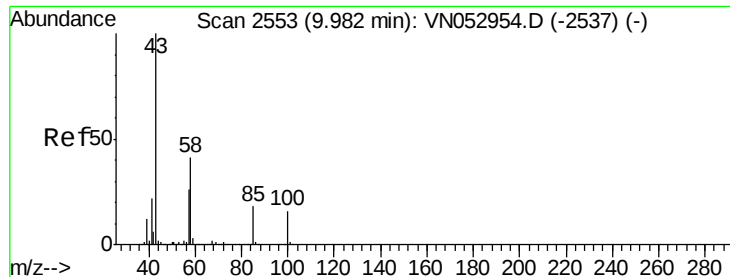
#50
Toluene-d8
Concen: 962.200 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 98 Resp: 2209201
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 257.696 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

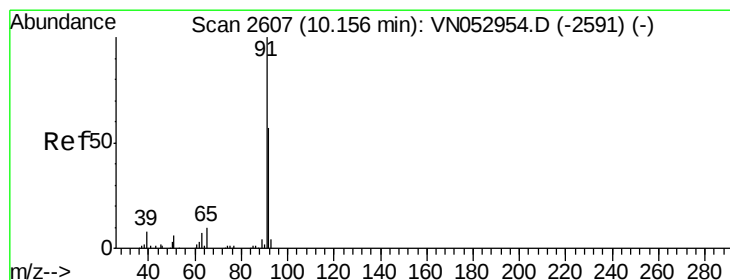
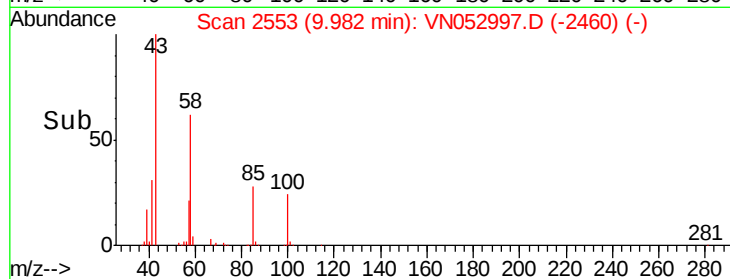
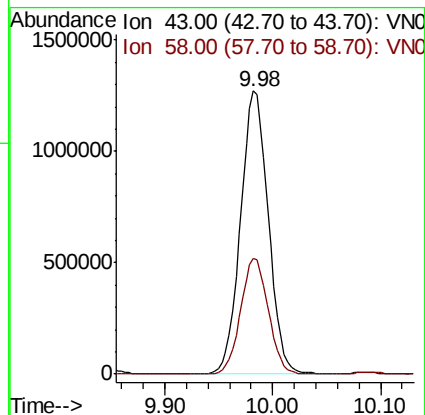
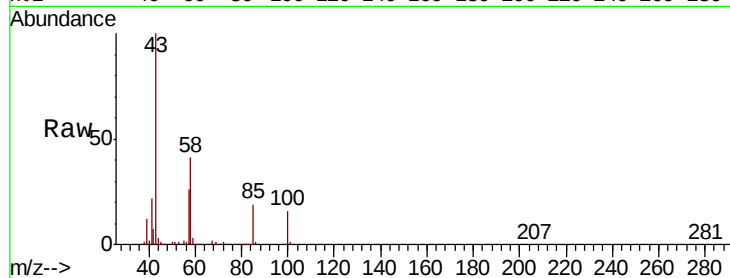
VSTDCCC050

Tot Ion: 43 Resp: 2277063

Ion Ratio Lower Upper

43 100

58 41.0 32.2 48.4



#52

Toluene

Concen: 50.976 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052997.D

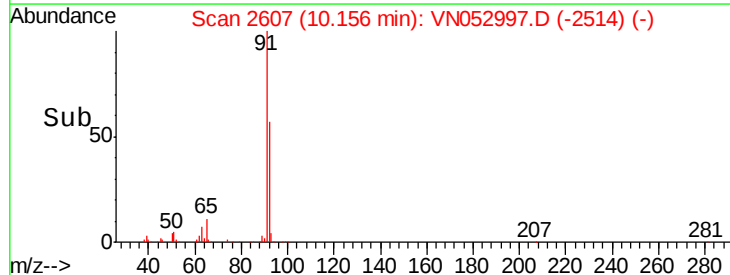
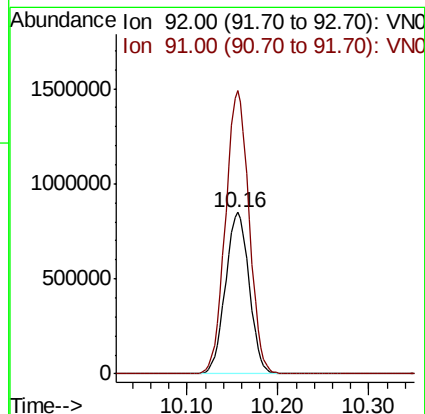
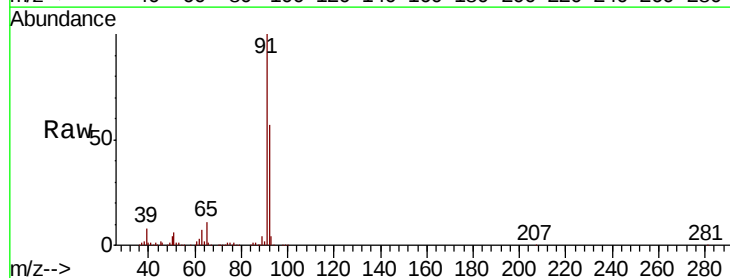
Acq: 19 Dec 2018 8:55

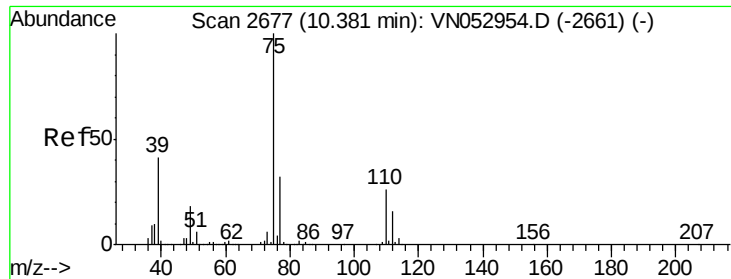
Tgt Ion: 92 Resp: 1536127

Ion Ratio Lower Upper

92 100

91 174.4 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.355 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

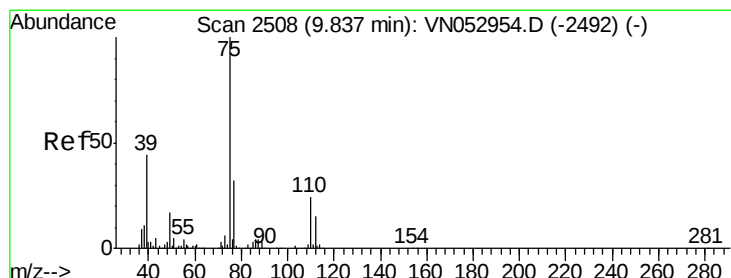
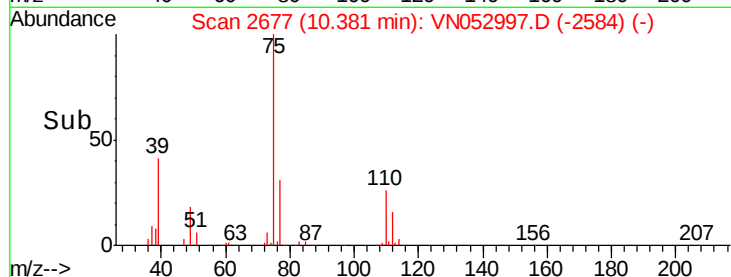
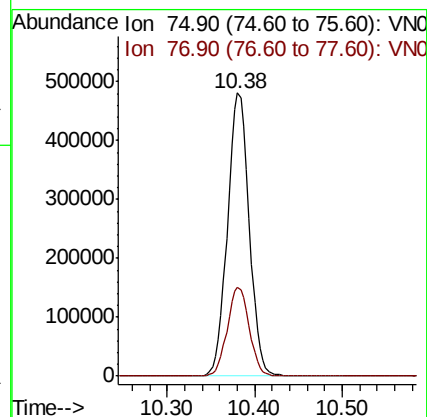
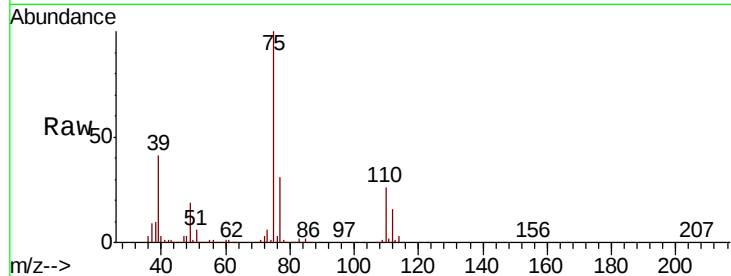
VSTDCCC050

Tot Ion: 75 Resp: 830307

Ion Ratio Lower Upper

75 100

77 31.4 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 50.907 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

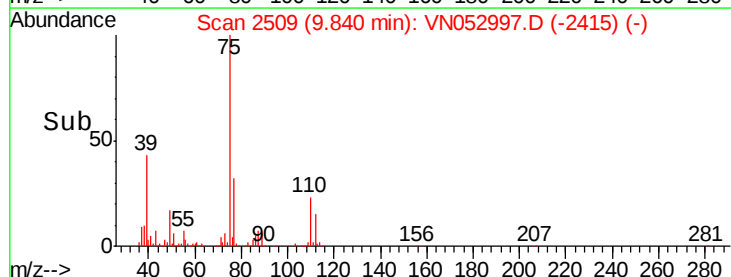
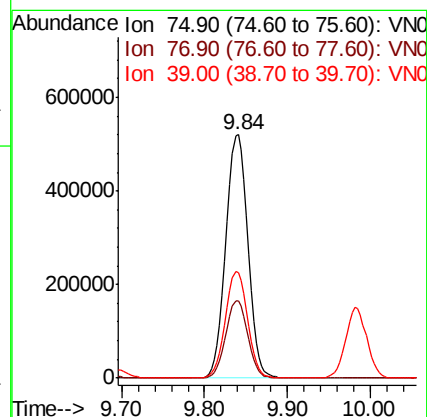
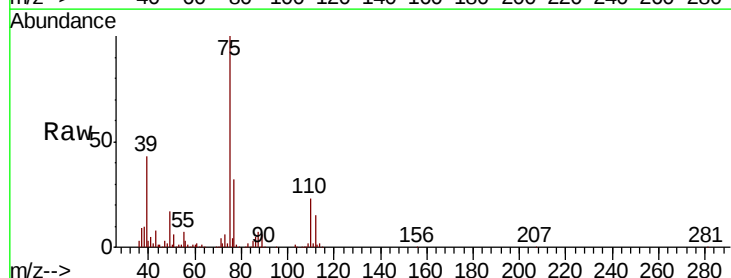
Tgt Ion: 75 Resp: 963496

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.8

39 43.3 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 49.860 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 524174

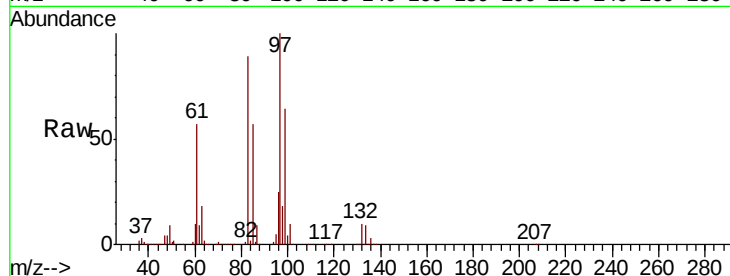
Ion Ratio Lower Upper

97 100

83 88.6 70.9 106.3

85 56.8 45.4 68.2

99 64.0 50.4 75.6

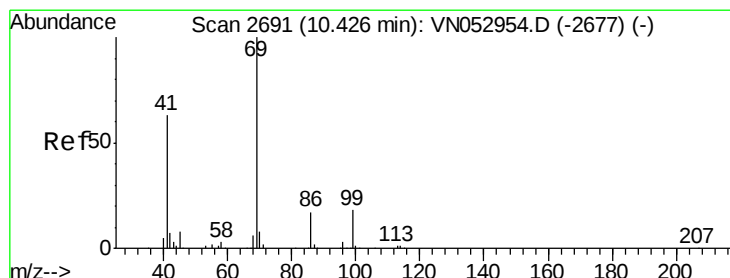
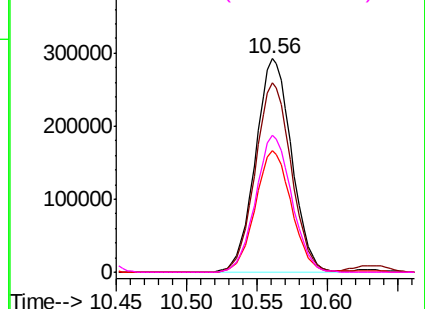
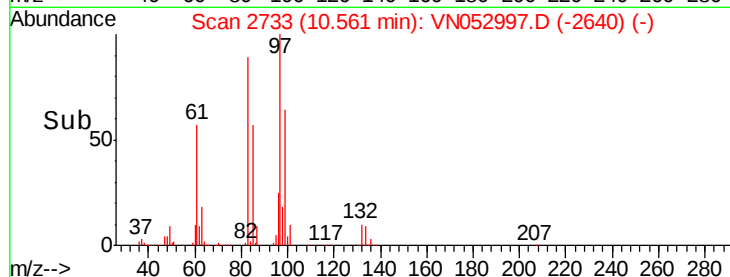


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.679 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

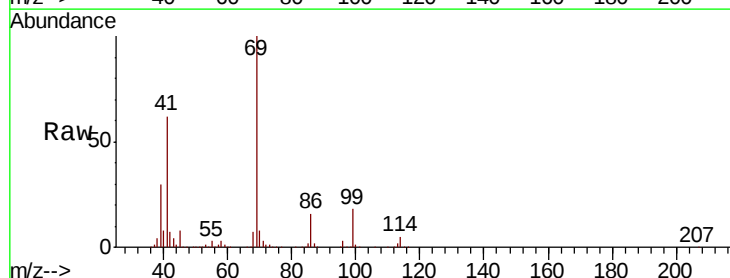
Tgt Ion: 69 Resp: 719093

Ion Ratio Lower Upper

69 100

41 62.3 51.7 77.5

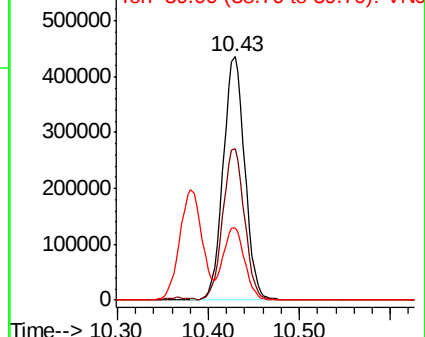
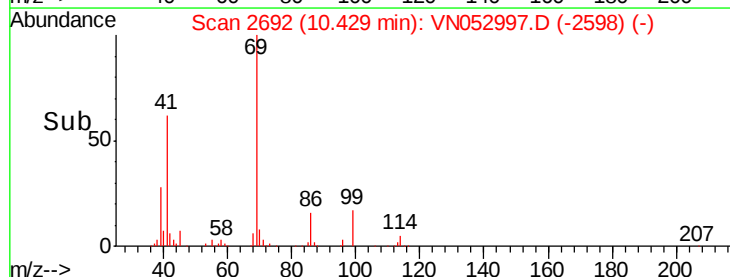
39 29.6 24.6 37.0



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 50.616 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

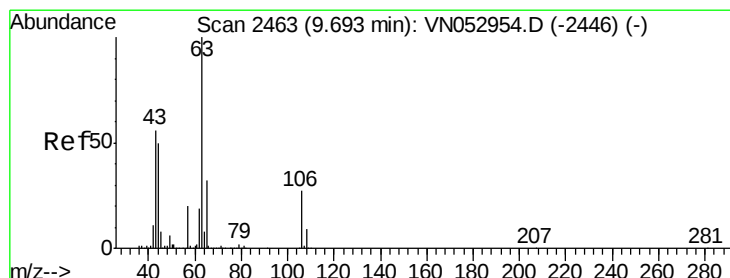
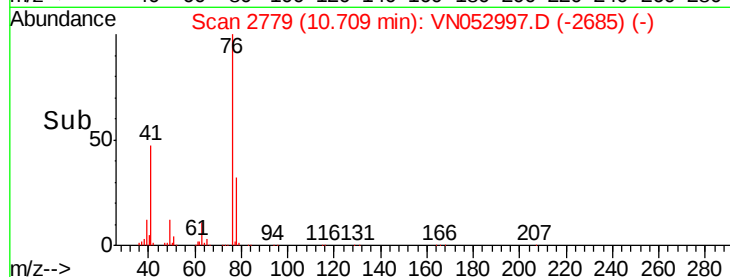
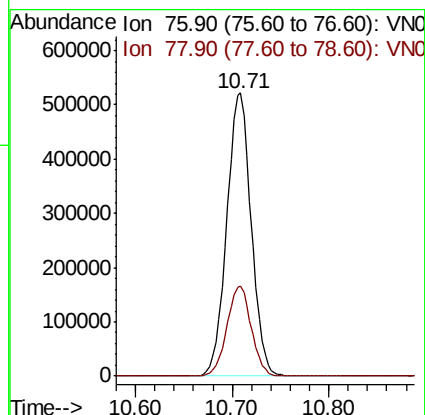
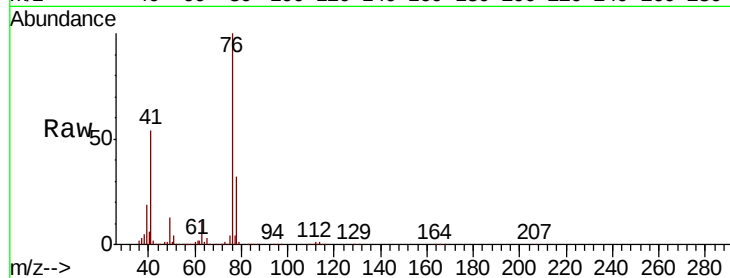
VSTDCCC050

Tot Ion: 76 Resp: 912490

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 257.676 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052997.D

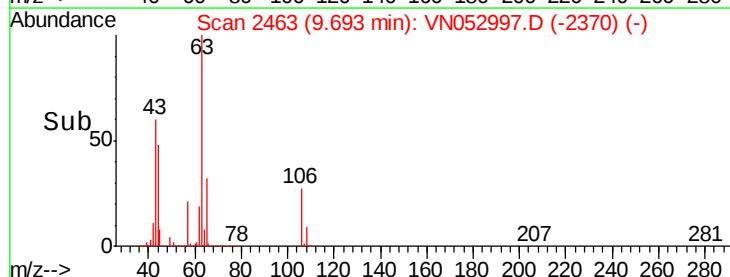
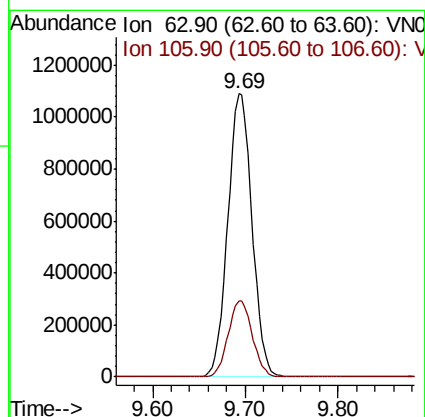
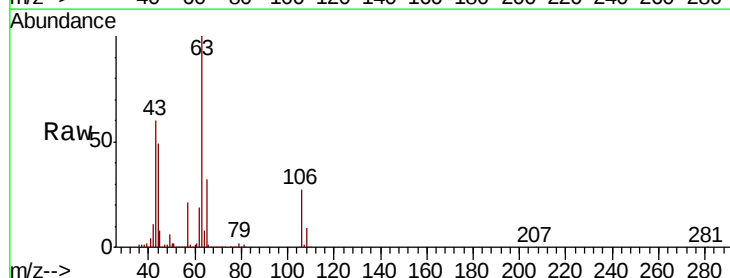
Acq: 19 Dec 2018 8:55

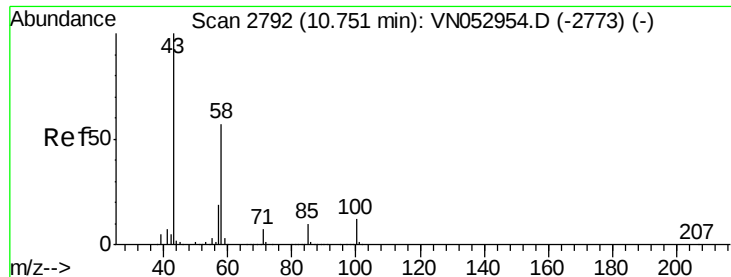
Tgt Ion: 63 Resp: 1968420

Ion Ratio Lower Upper

63 100

106 26.9 21.0 31.6

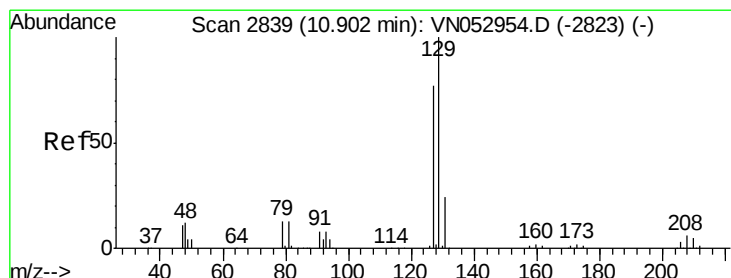
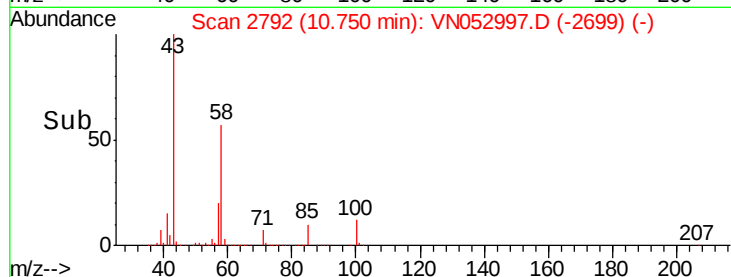
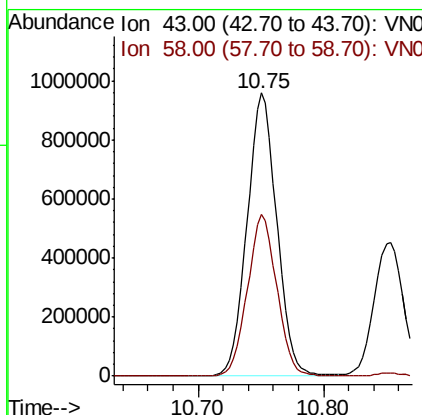
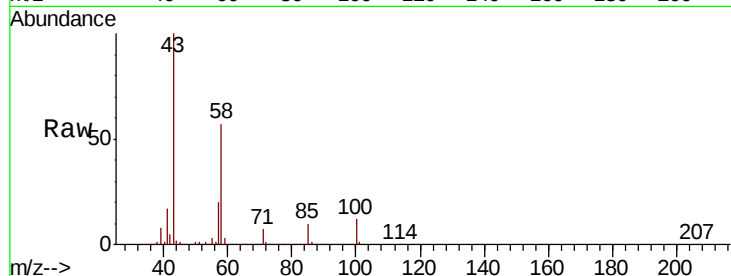




#59
2-Hexanone
Concen: 264.164 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

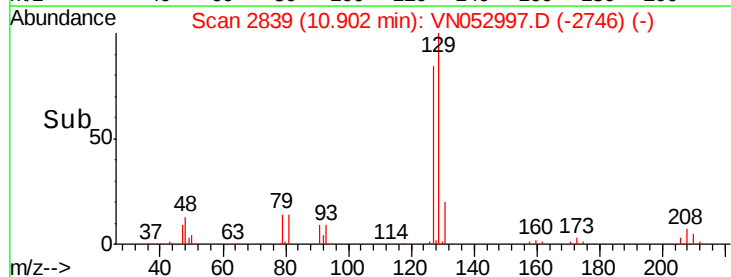
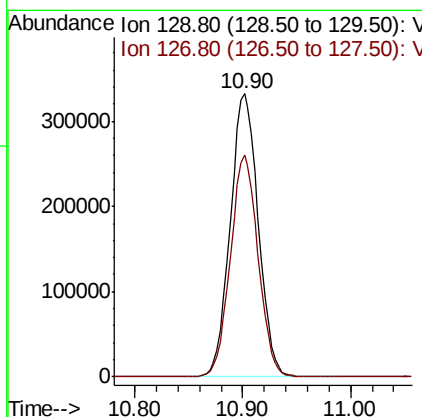
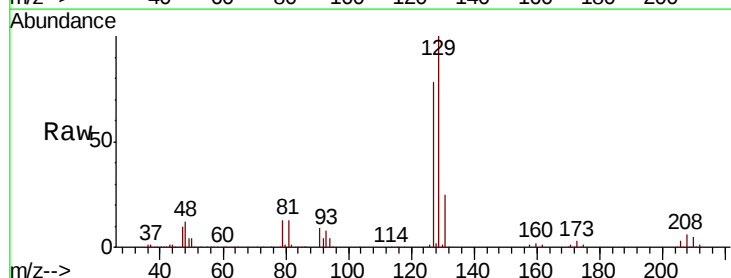
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

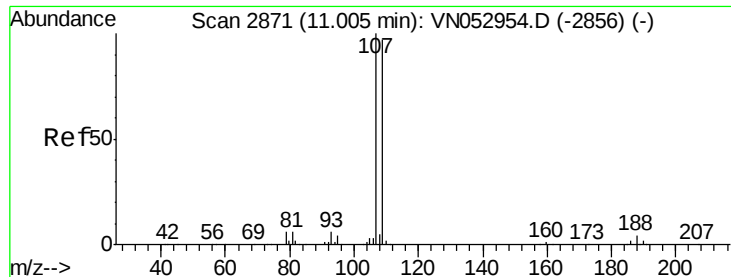
Tot Ion: 43 Resp: 1579291
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3



#60
Dibromochloromethane
Concen: 49.992 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 129 Resp: 601595
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0

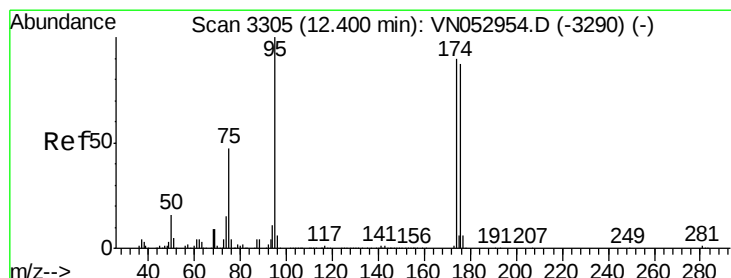
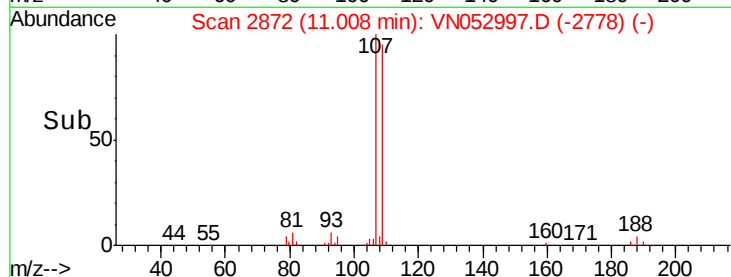
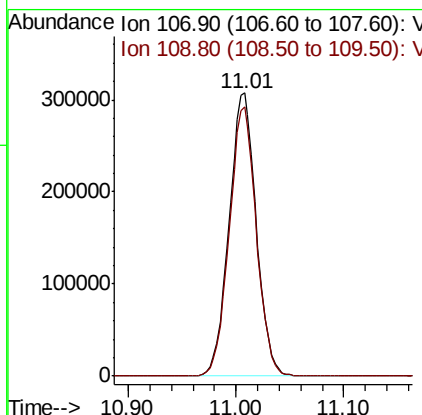
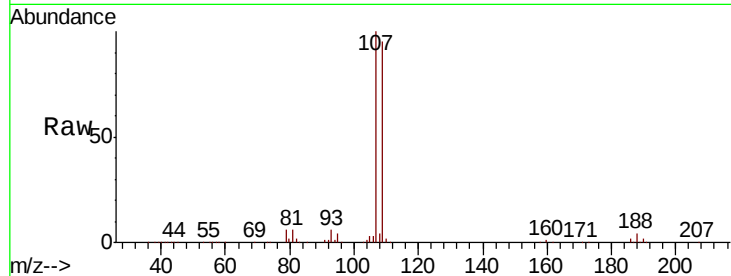




#61
 1,2-Dibromoethane
 Concen: 50.436 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

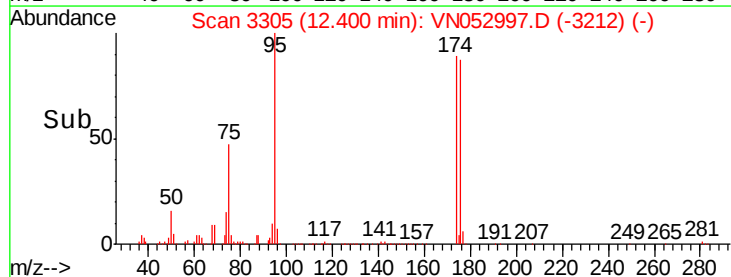
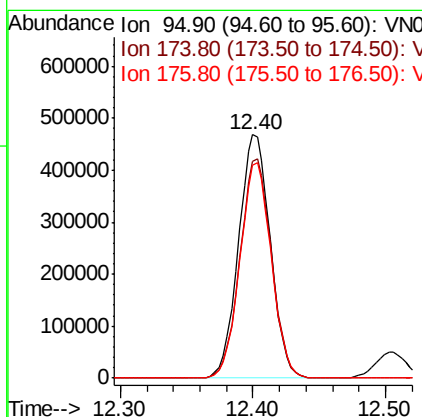
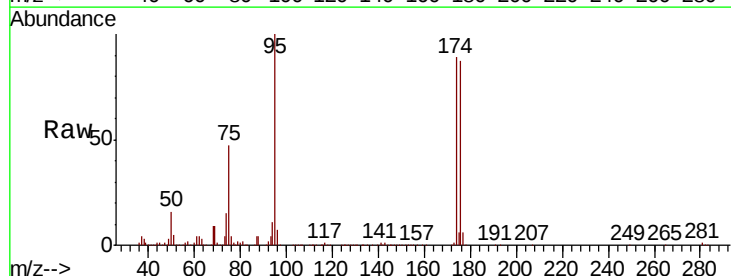
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

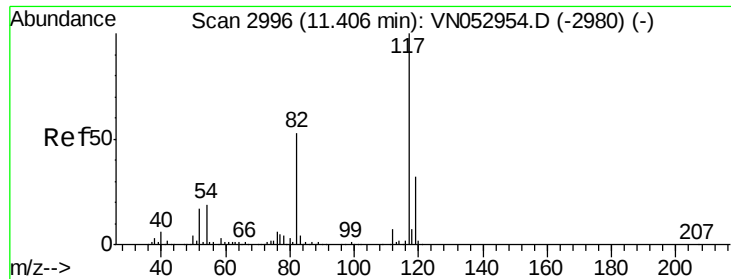
Tot Ion: 107 Resp: 538499
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.436 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 95 Resp: 775052
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 178.8
 176 87.6 0.0 173.8

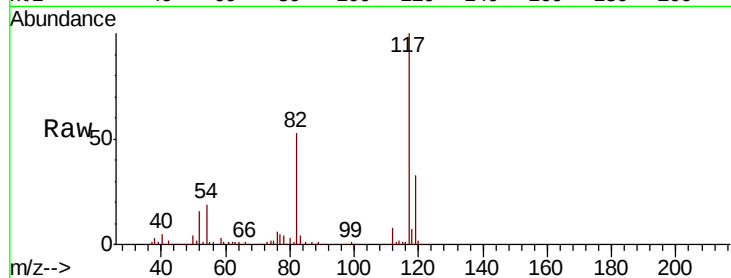




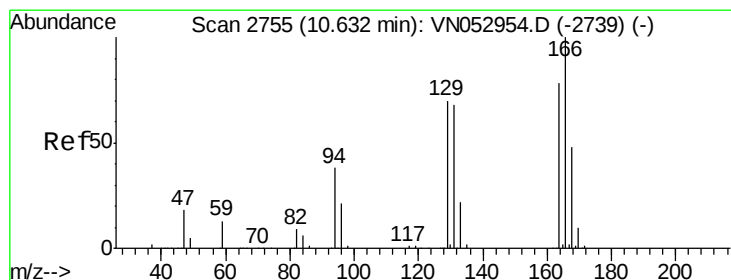
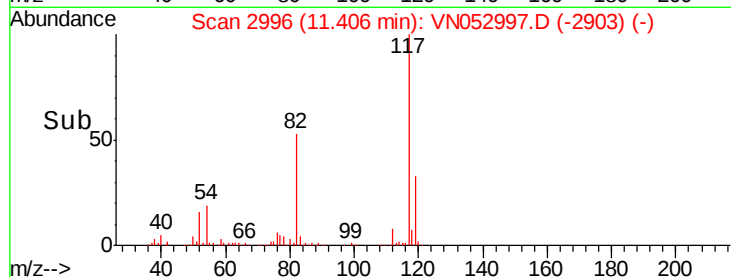
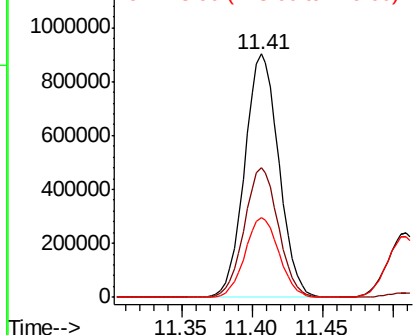
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1533316
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.6 25.5 38.3

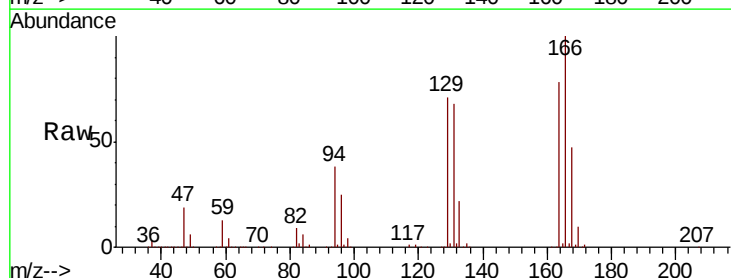


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

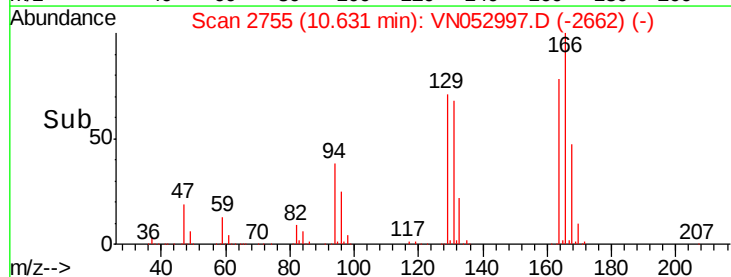
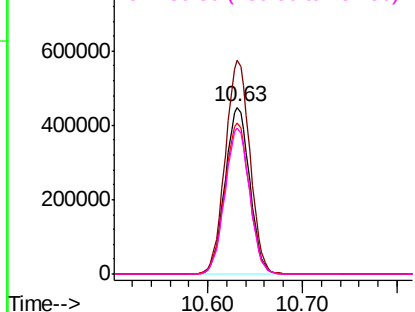


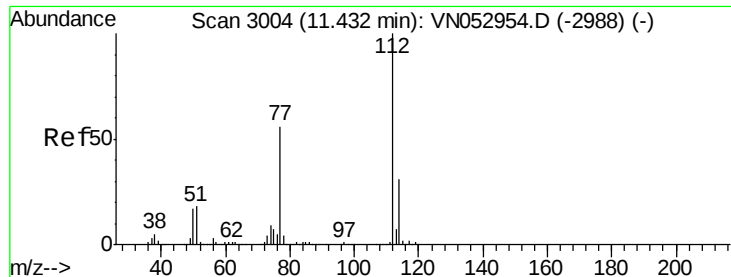
#64
Tetrachloroethene
Concen: 48.718 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion:164 Resp: 809163
Ion Ratio Lower Upper
164 100
166 128.1 102.9 154.3
129 90.9 73.7 110.5
131 87.7 70.7 106.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 50.075 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

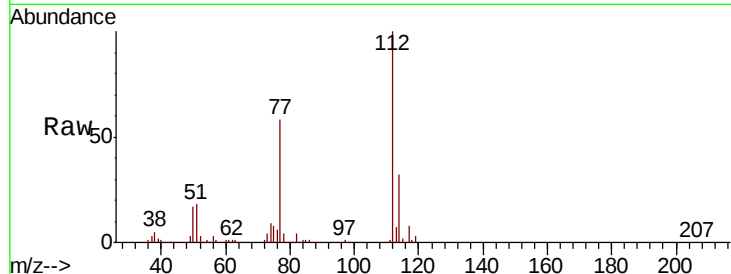
VSTDCCC050

Tot Ion:112 Resp: 1702028

Ion Ratio Lower Upper

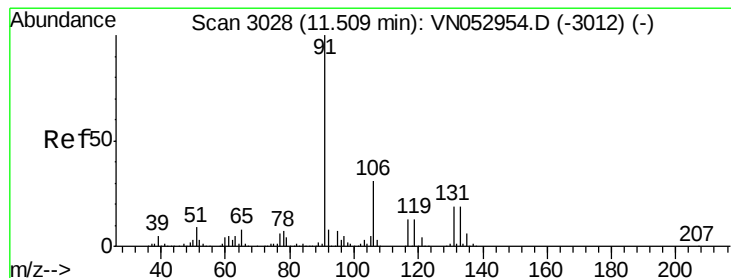
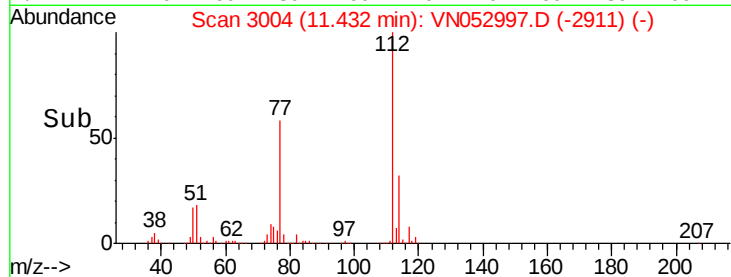
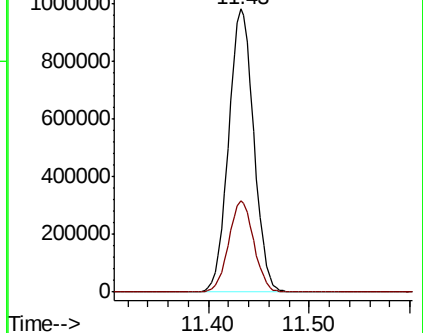
112 100

114 32.3 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 50.150 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

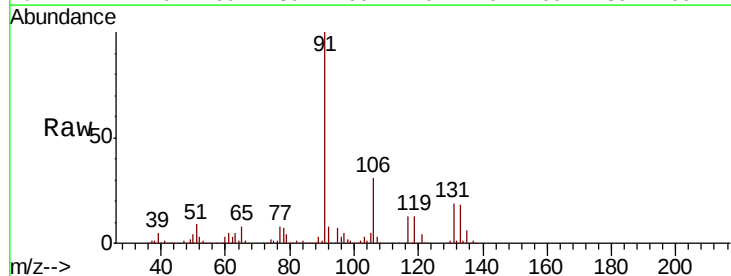
Tgt Ion:131 Resp: 592757

Ion Ratio Lower Upper

131 100

133 95.4 47.6 142.9

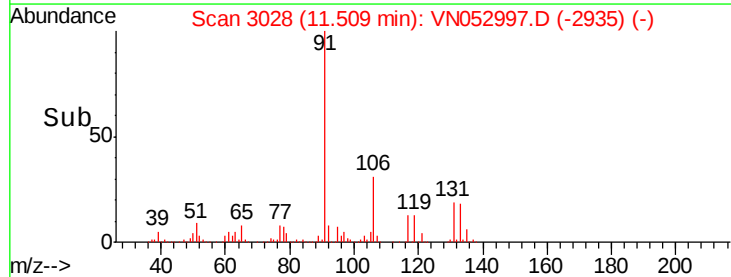
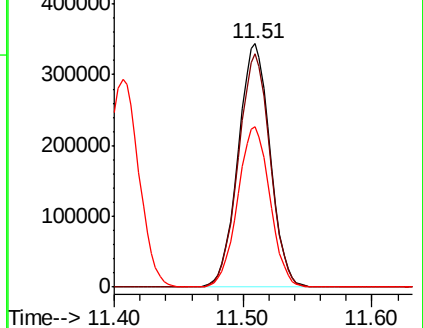
119 66.4 33.3 99.8

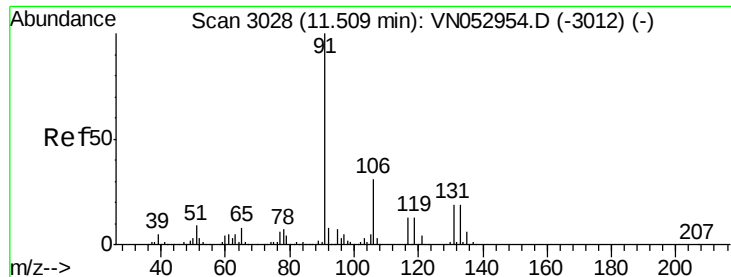


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

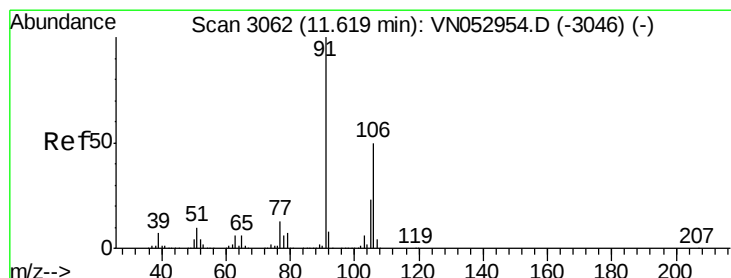
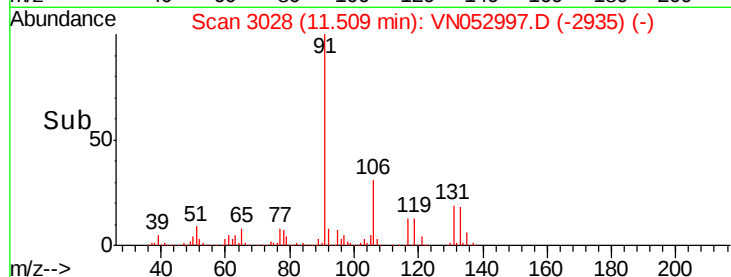
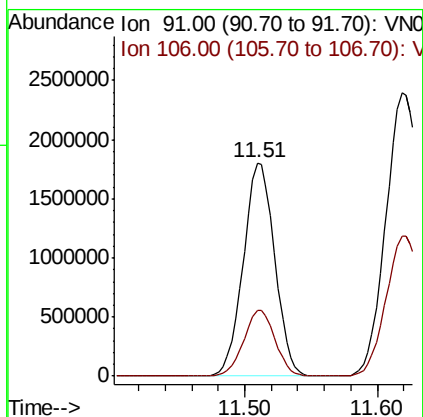
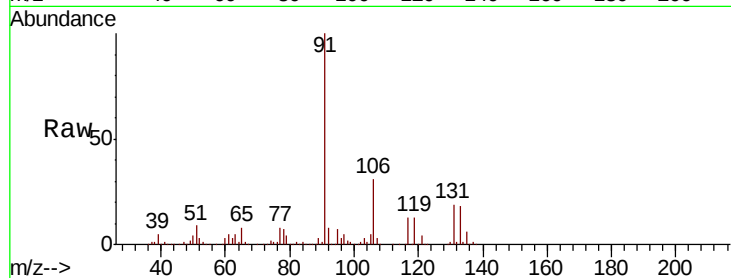




#67
Ethyl Benzene
Concen: 50.669 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

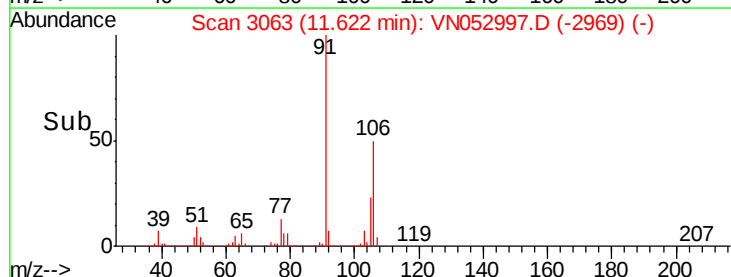
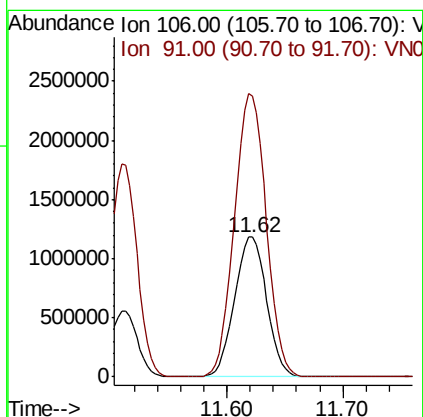
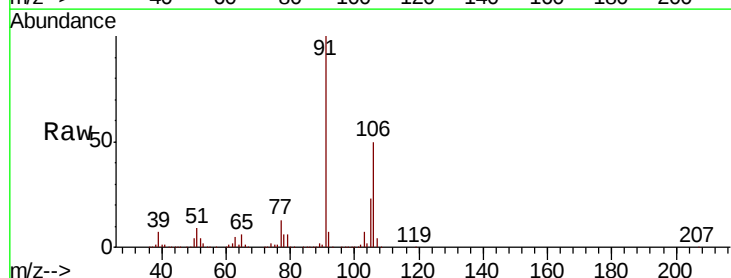
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

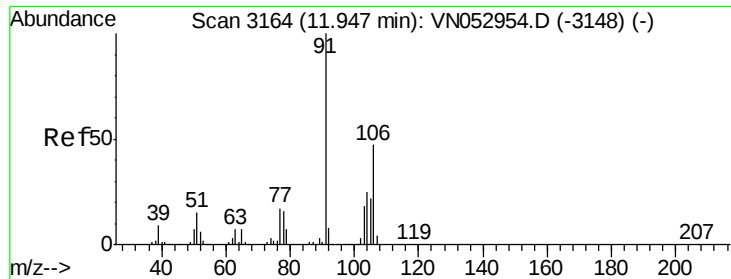
Tot Ion: 91 Resp: 2961716
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3



#68
m/p-Xylenes
Concen: 101.325 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 106 Resp: 2251567
Ion Ratio Lower Upper
106 100
91 202.1 162.2 243.4

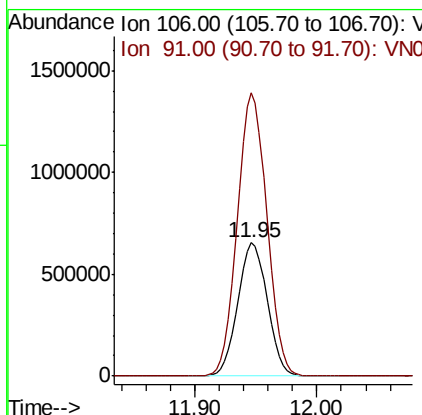
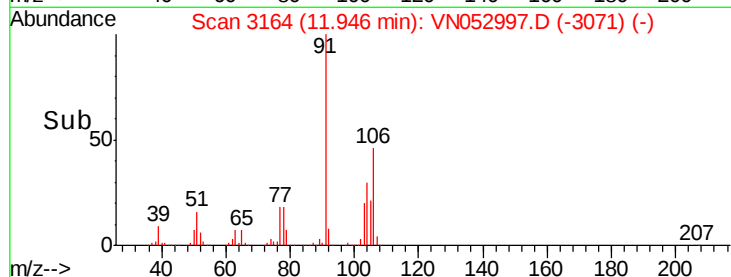
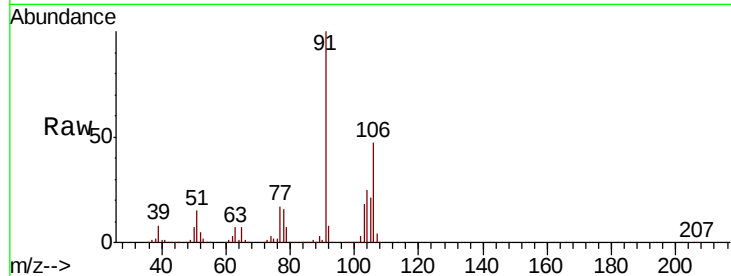




#69
o-Xylene
Concen: 51.027 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

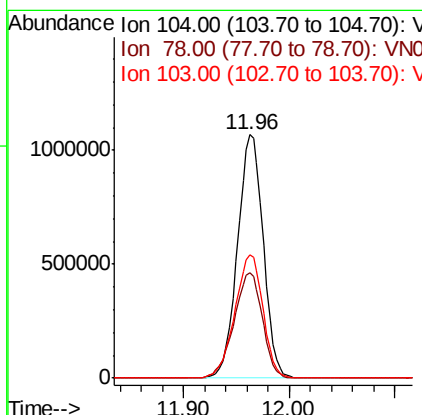
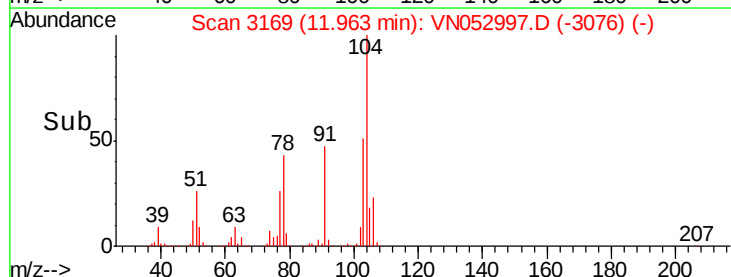
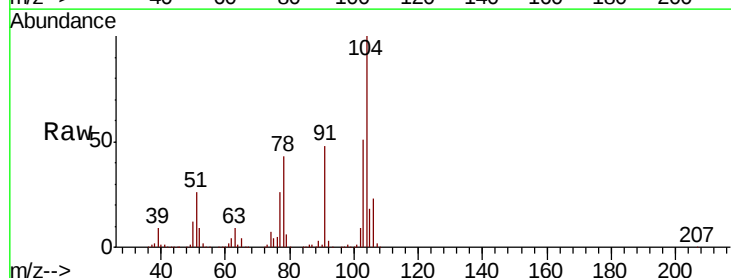
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

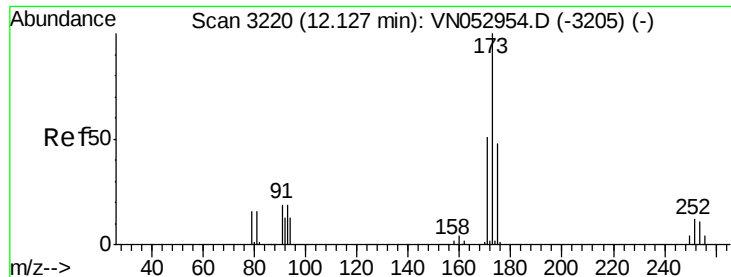
Tot Ion:106 Resp: 1088061
Ion Ratio Lower Upper
106 100
91 213.2 106.6 319.8



#70
Styrene
Concen: 51.648 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion:104 Resp: 1795782
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.4 44.3 66.5





#71

Bromoform

Concen: 48.846 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

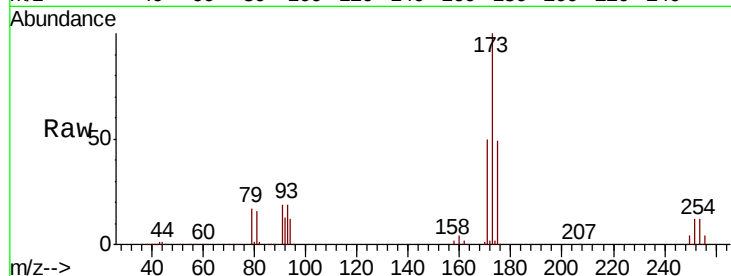
Tot Ion:173 Resp: 417082

Ion Ratio Lower Upper

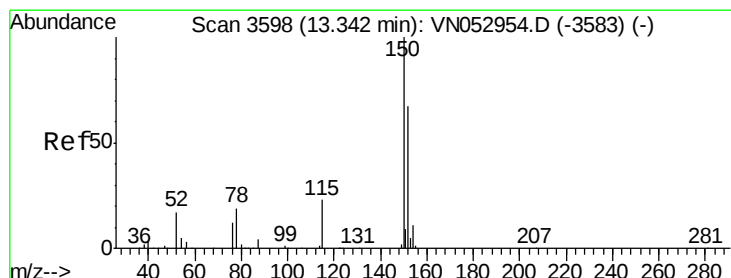
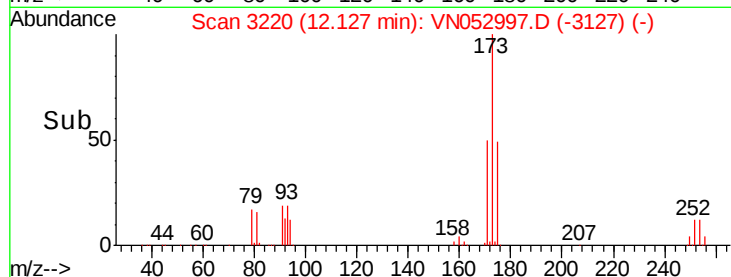
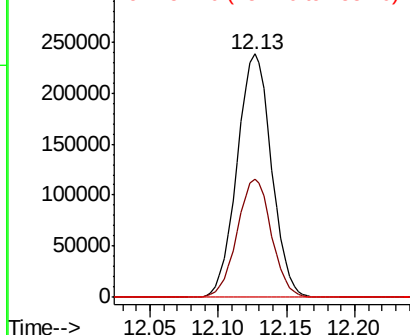
173 100

175 48.3 24.3 72.9

254 0.2 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

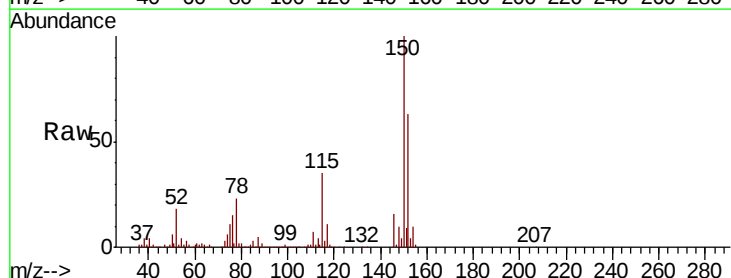
Tgt Ion:152 Resp: 727310

Ion Ratio Lower Upper

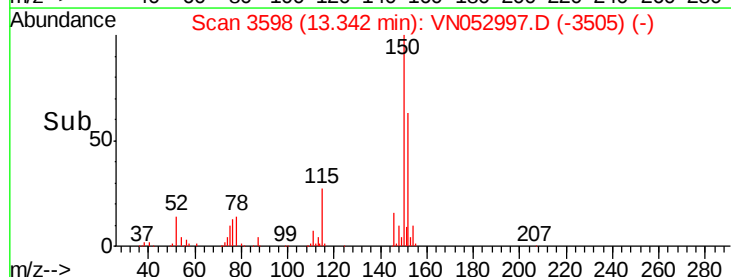
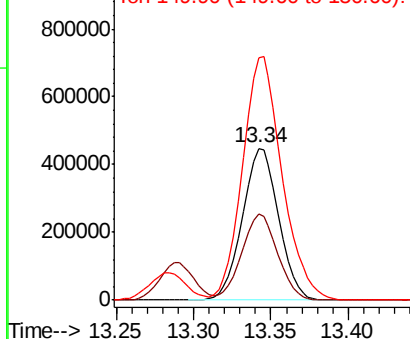
152 100

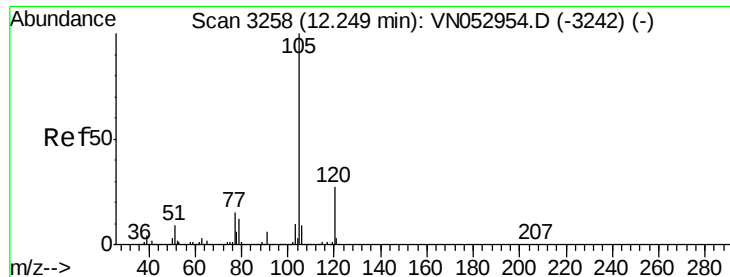
115 56.2 28.3 85.0

150 175.6 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.063 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

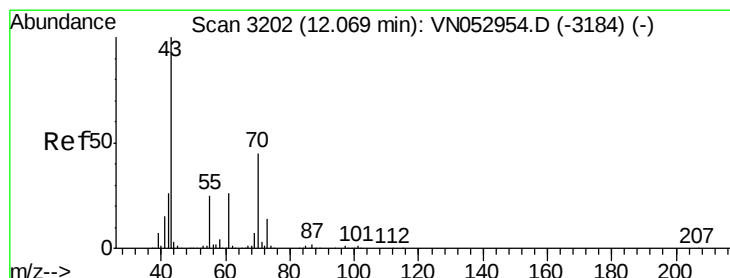
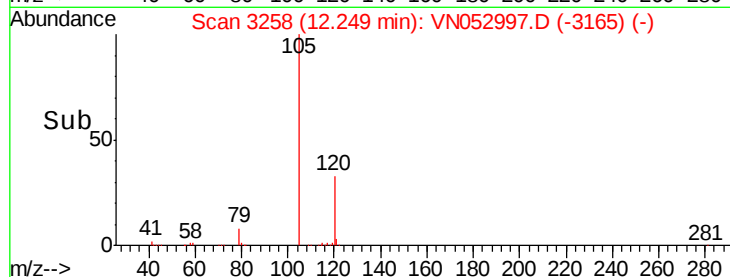
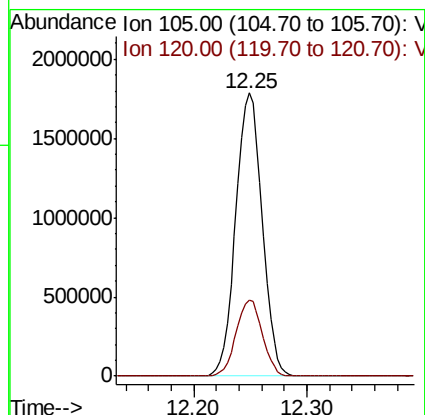
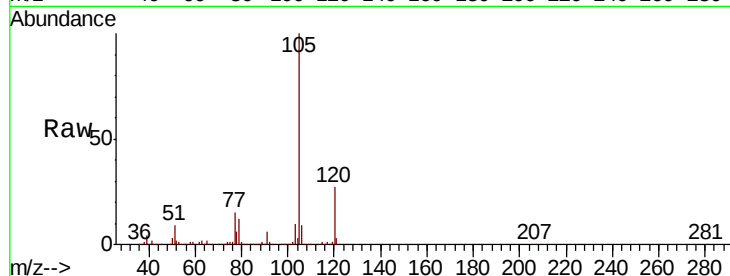
VSTDCCC050

Tot Ion:105 Resp: 2905756

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.9



#74

N-ethyl acetate

Concen: 51.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion: 43 Resp: 809790

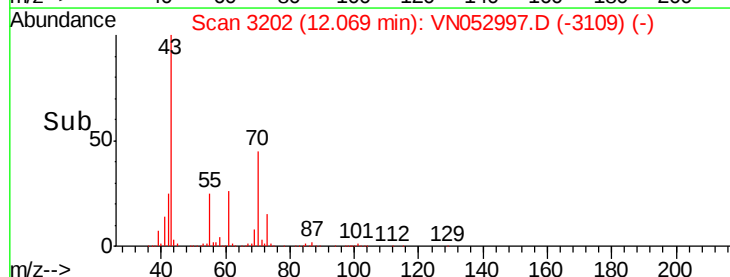
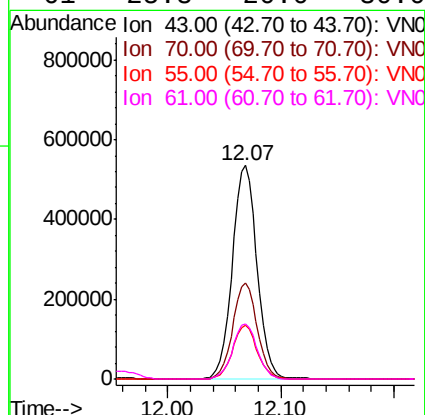
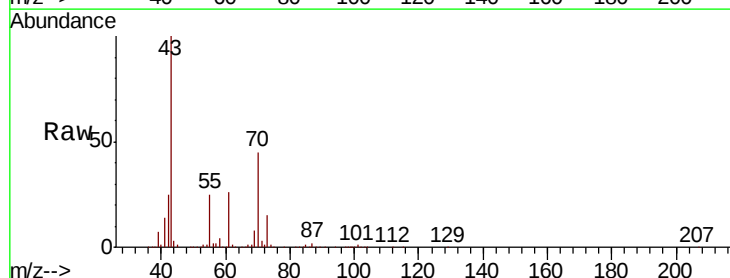
Ion Ratio Lower Upper

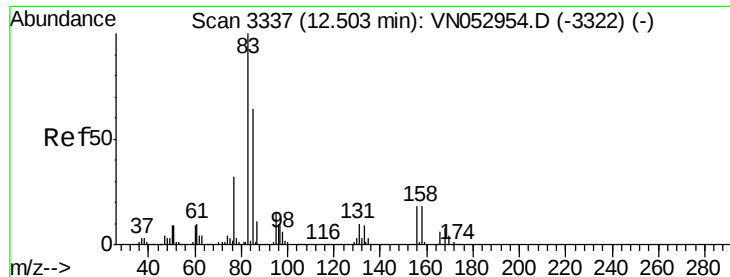
43 100

70 44.6 34.2 51.4

55 25.1 20.3 30.5

61 25.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.171 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

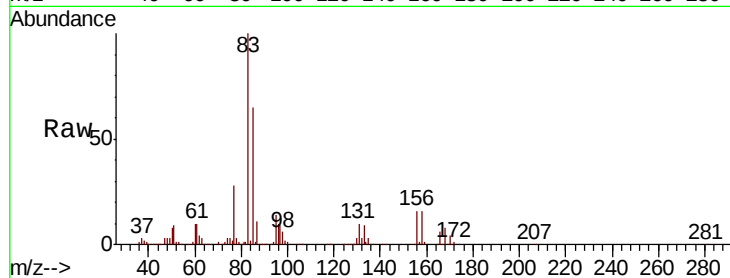
Tot Ion: 83 Resp: 571277

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

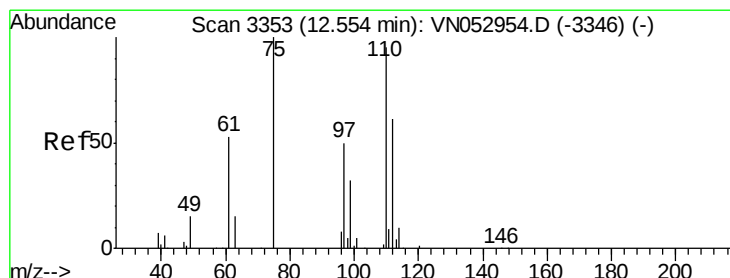
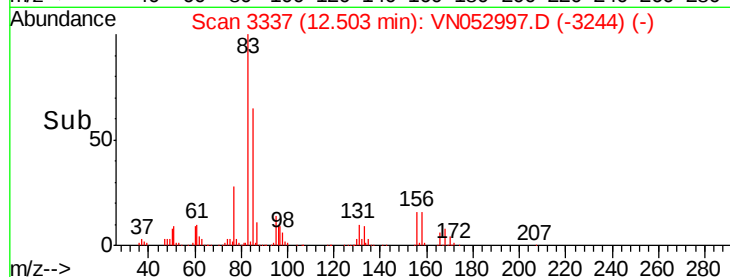
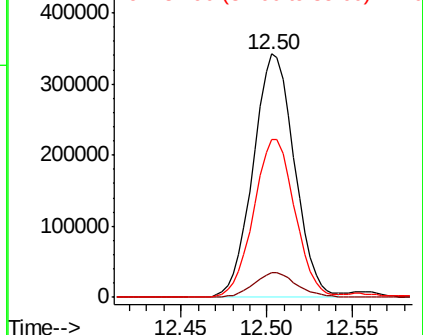
85 64.6 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.958 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052997.D

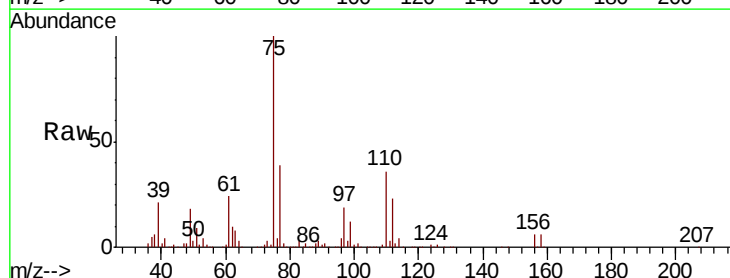
Acq: 19 Dec 2018 8:55

Tgt Ion: 75 Resp: 819801

Ion Ratio Lower Upper

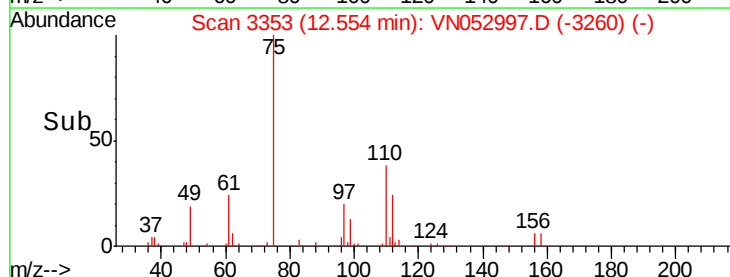
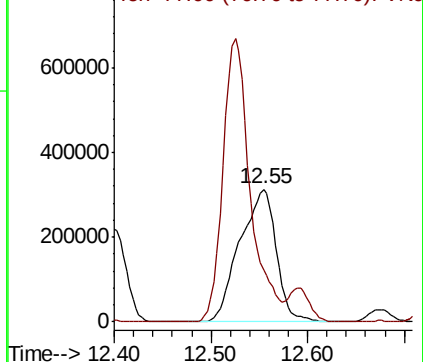
75 100

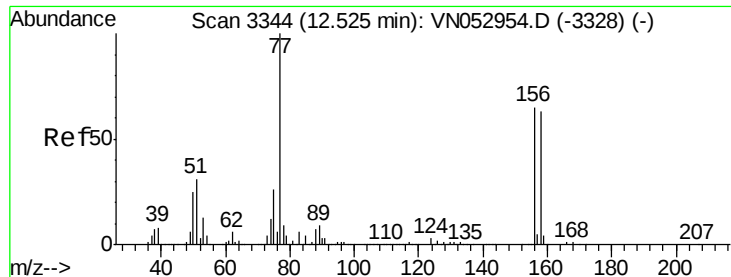
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.142 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

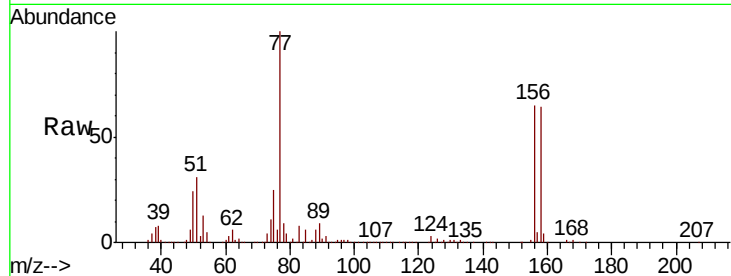
Tot Ion:156 Resp: 741707

Ion Ratio Lower Upper

156 100

77 177.0 91.3 273.8

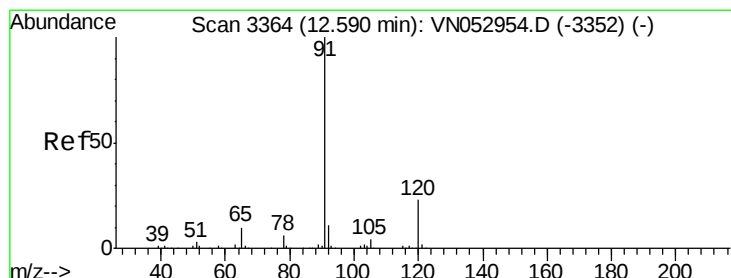
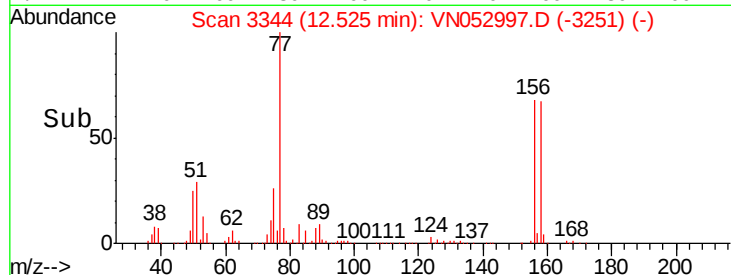
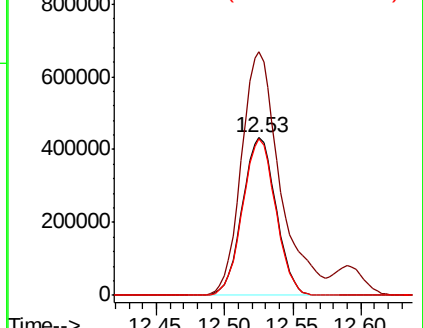
158 97.7 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.557 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052997.D

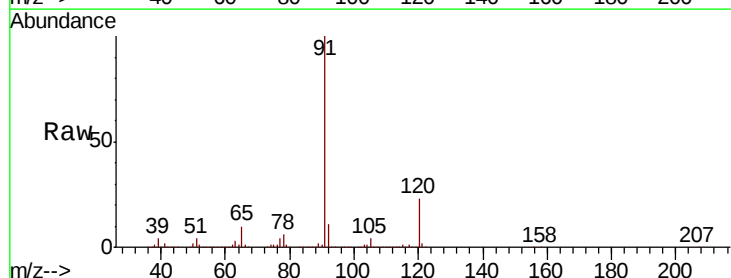
Acq: 19 Dec 2018 8:55

Tgt Ion: 91 Resp: 3341423

Ion Ratio Lower Upper

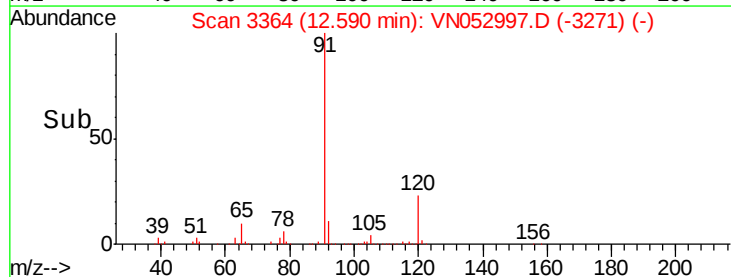
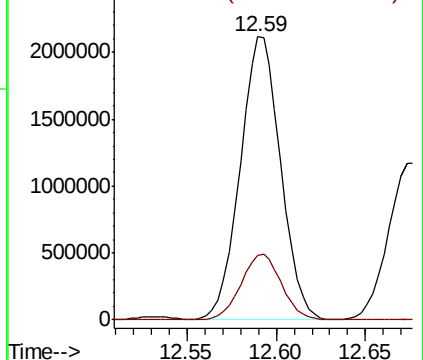
91 100

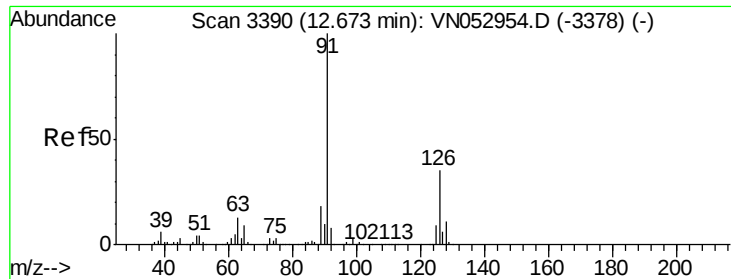
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.113 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

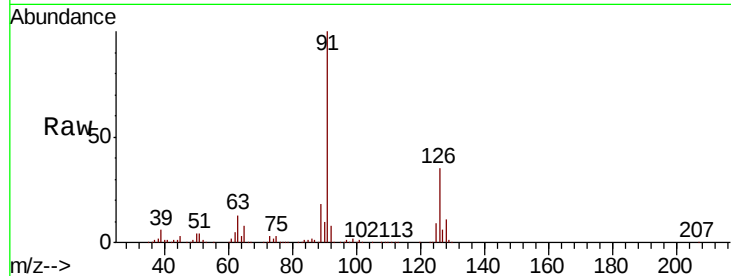
VSTDCCC050

Tot Ion: 91 Resp: 1932805

Ion Ratio Lower Upper

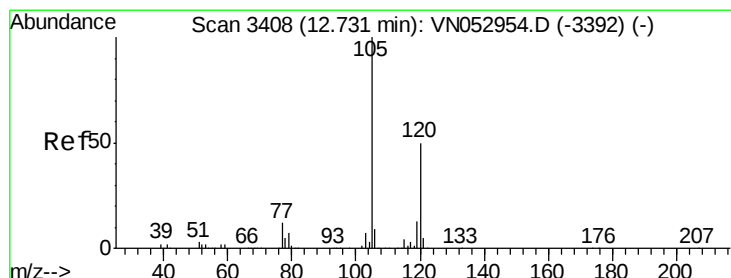
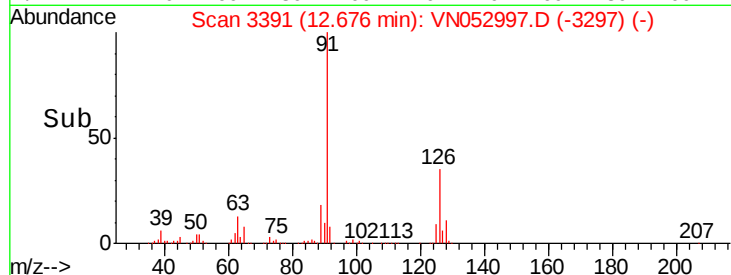
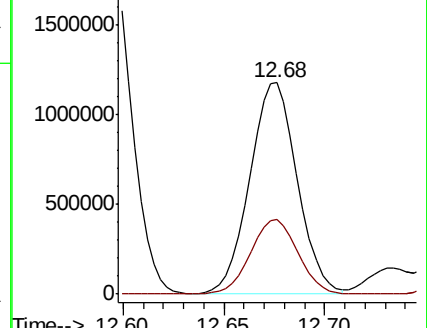
91 100

126 35.4 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052997.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN052997.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.453 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052997.D

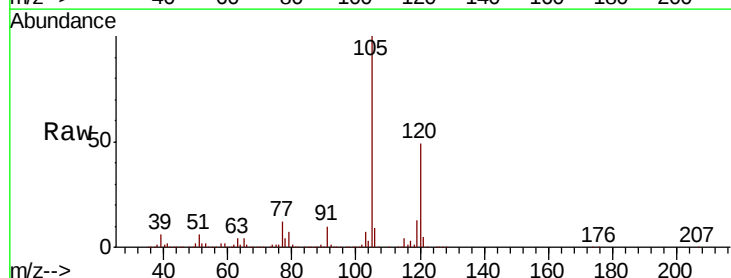
Acq: 19 Dec 2018 8:55

Tgt Ion: 105 Resp: 2340180

Ion Ratio Lower Upper

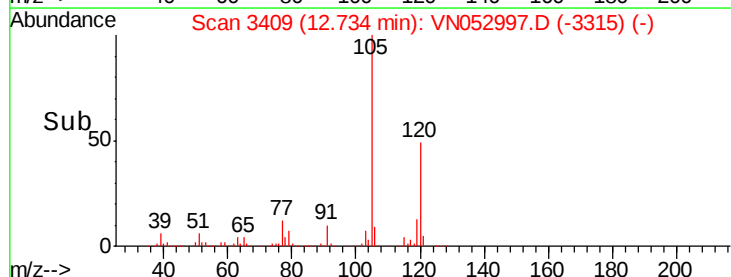
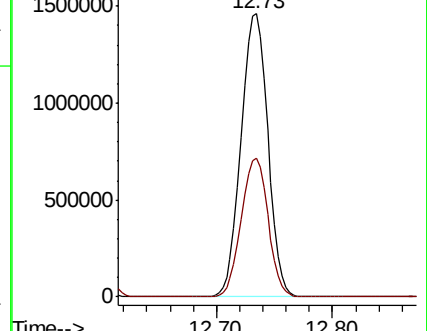
105 100

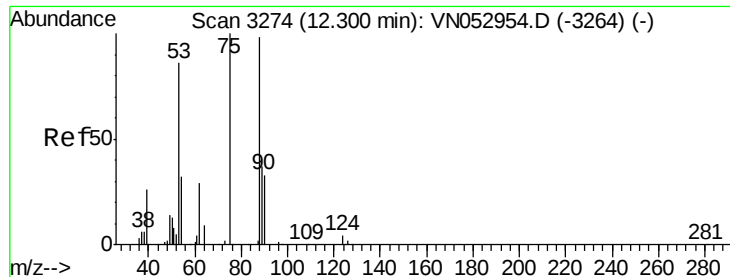
120 49.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052997.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN052997.D (-3408) (-)

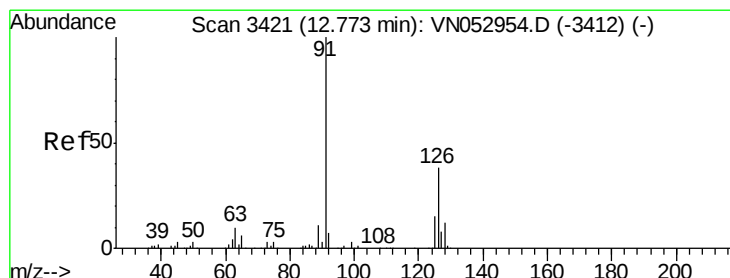
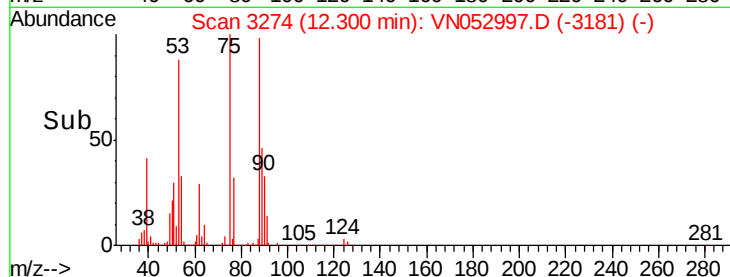
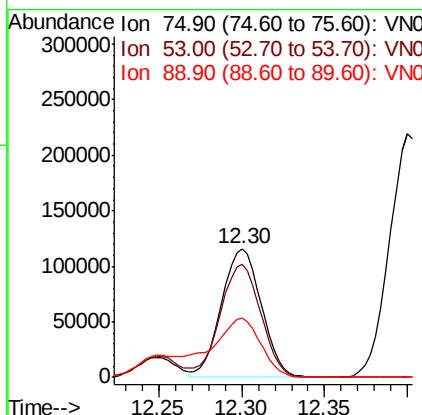
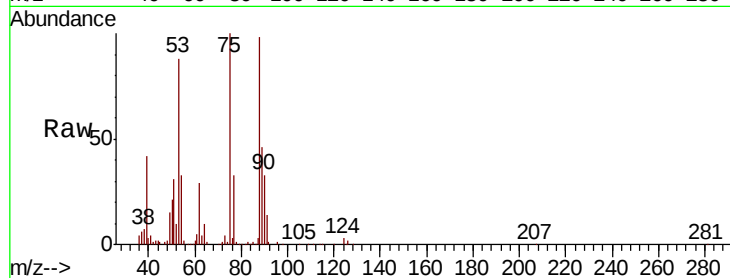




#81
trans-1,4-Dichloro-2-butene
Concen: 50.752 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

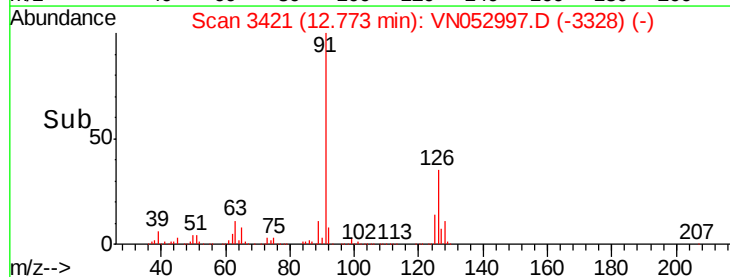
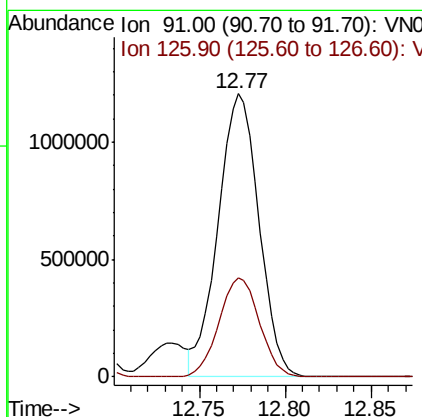
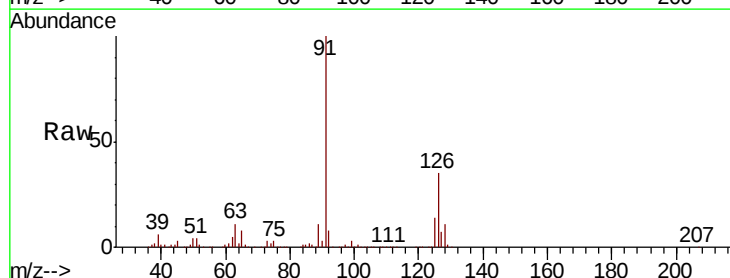
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

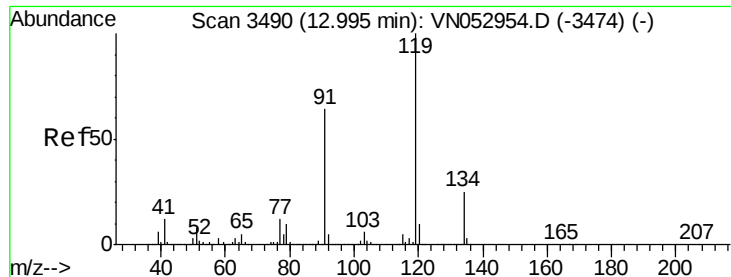
Tot Ion: 75 Resp: 192791
Ion Ratio Lower Upper
75 100
53 90.1 74.7 112.1
89 48.0 36.1 54.1



#82
4-Chlorotoluene
Concen: 50.566 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052997.D
Acq: 19 Dec 2018 8:55

Tgt Ion: 91 Resp: 1988502
Ion Ratio Lower Upper
91 100
126 34.8 17.3 51.7

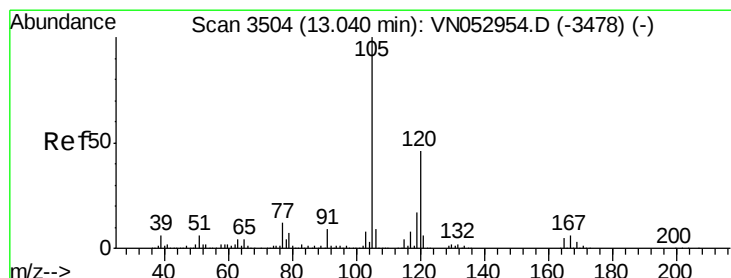
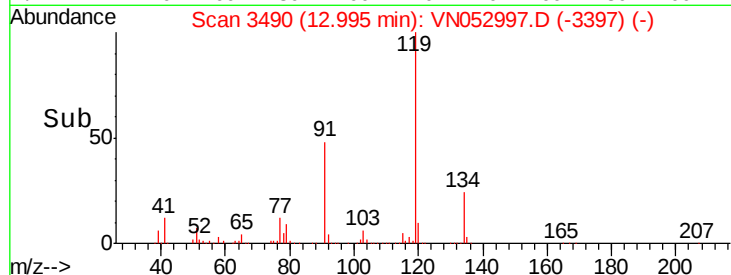
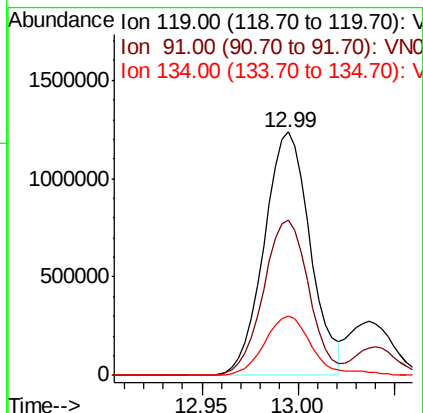
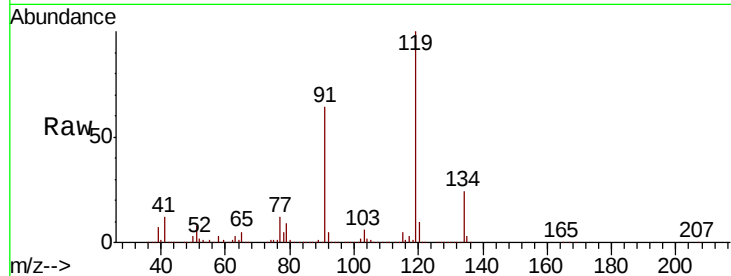




#83
 tert-Butylbenzene
 Concen: 49.885 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

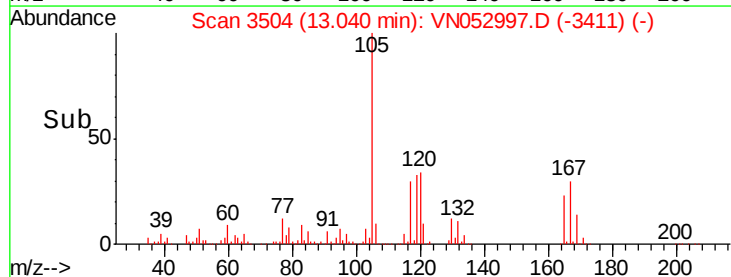
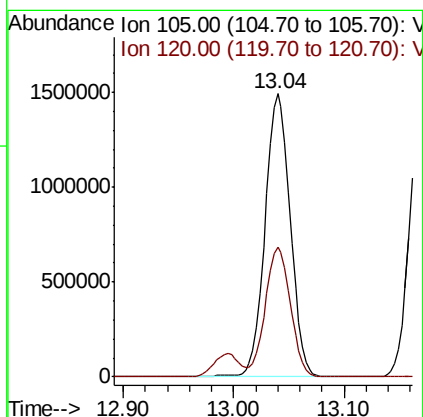
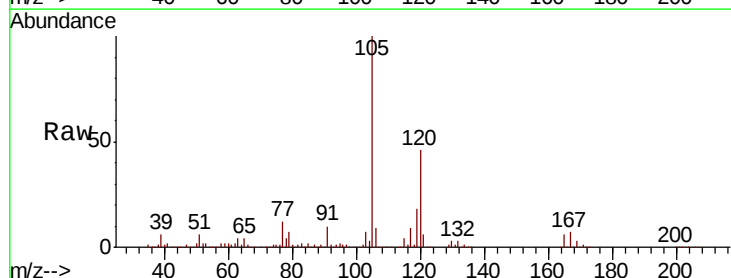
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

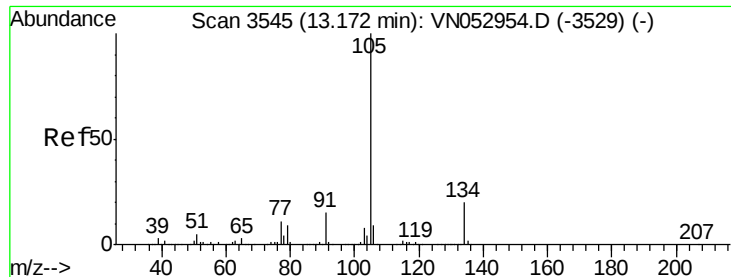
Tot Ion:119 Resp: 2046351
 Ion Ratio Lower Upper
 119 100
 91 63.4 31.9 95.5
 134 25.3 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 50.633 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:105 Resp: 2360893
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.9 68.8





#85

sec-Butylbenzene

Concen: 50.279 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

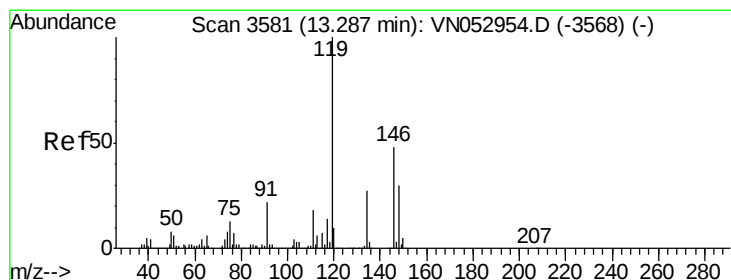
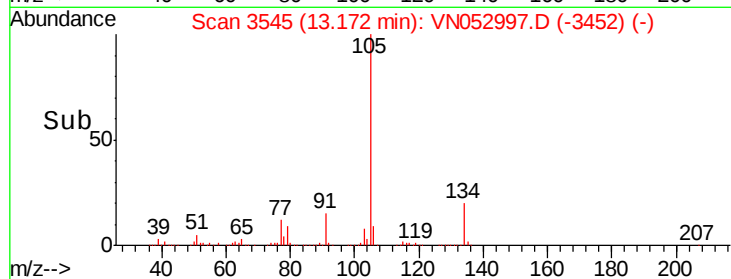
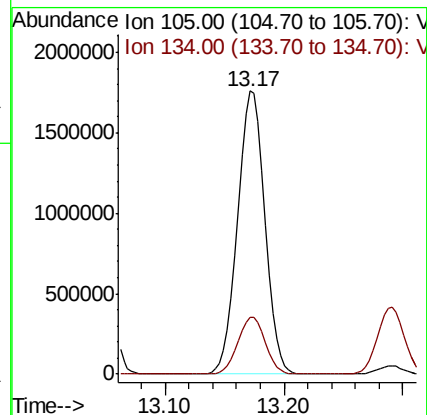
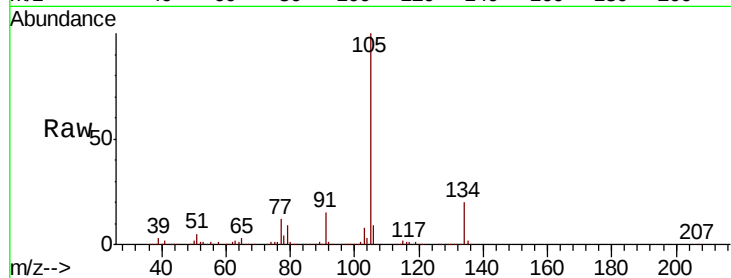
VSTDCCC050

Tot Ion:105 Resp: 2789772

Ion Ratio Lower Upper

105 100

134 20.2 10.1 30.3



#86

p-Isopropyltoluene

Concen: 50.481 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

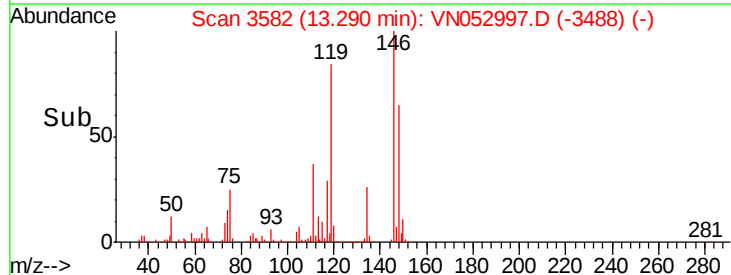
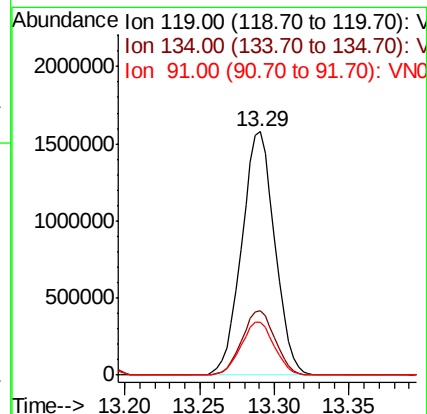
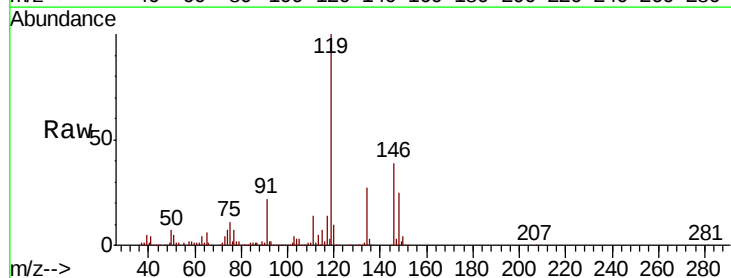
Tgt Ion:119 Resp: 2420289

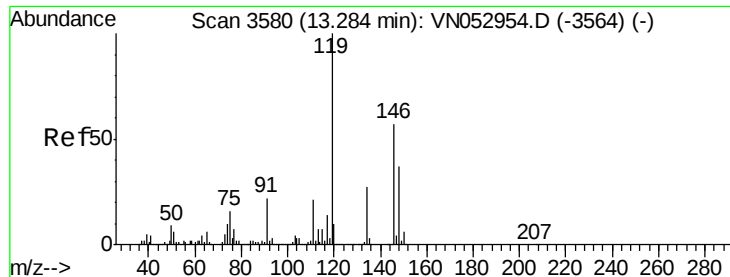
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 22.1 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 49.380 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

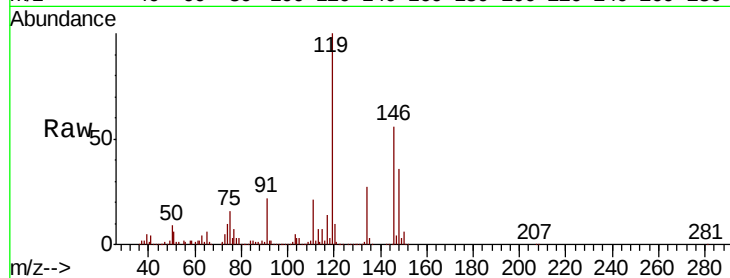
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1292787

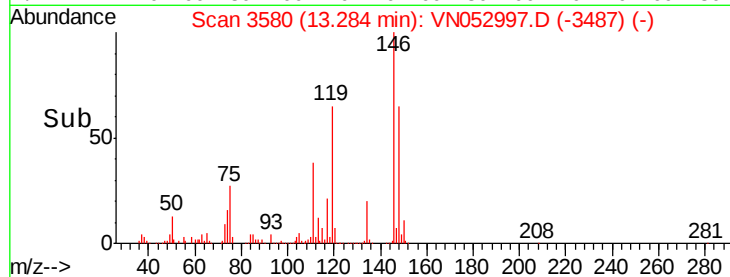
Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.3	32.0	96.0



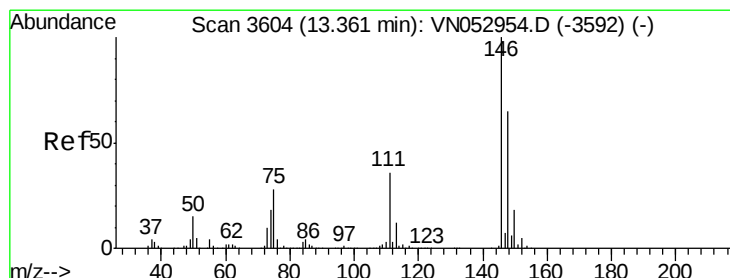
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.20 13.25 13.30 13.35



#88

1,4-Dichlorobenzene

Concen: 48.647 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

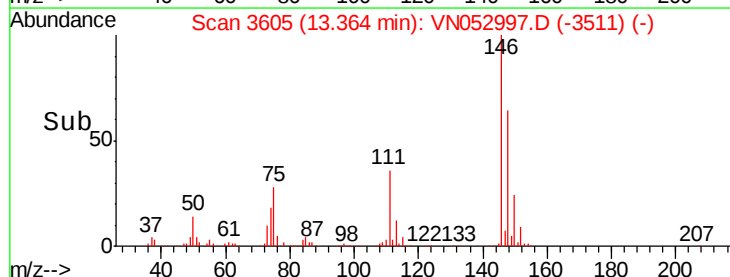
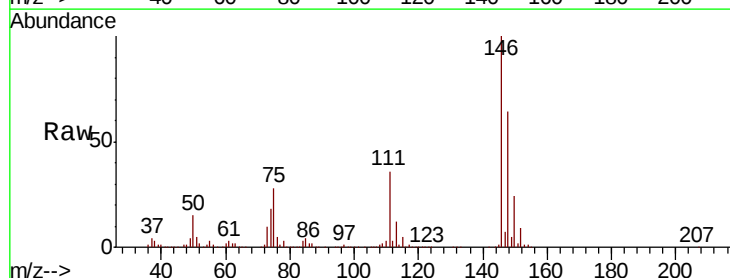
Tgt Ion:146 Resp: 1289749

Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.8
148	64.3	32.1	96.5

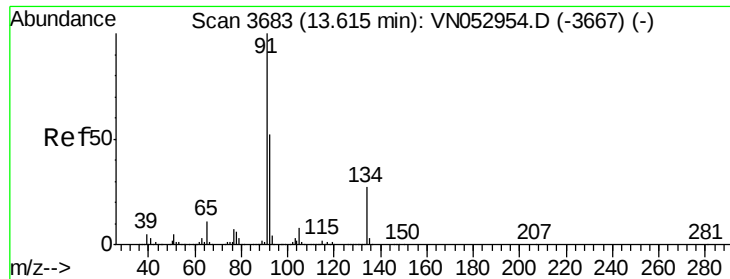
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



Time--> 13.30 13.40



#89

n-Butylbenzene

Concen: 49.755 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

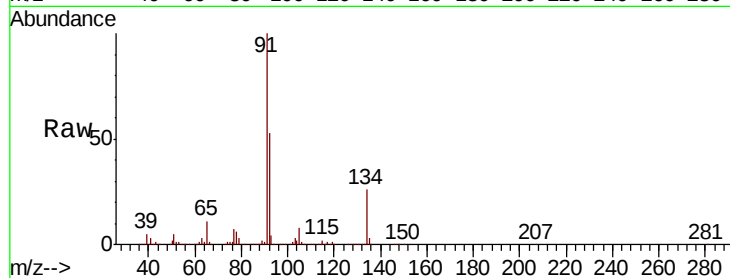
Tot Ion: 91 Resp: 2052248

Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	26.4	13.3	39.8

91 100

92 52.2 26.3 78.9

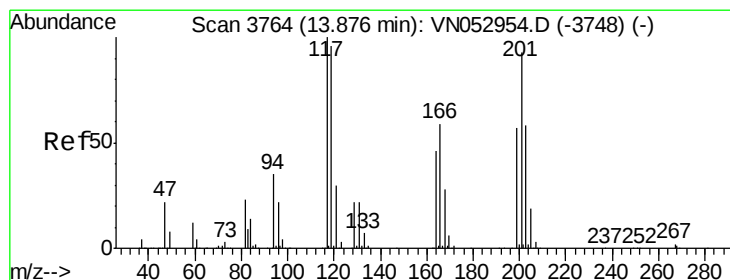
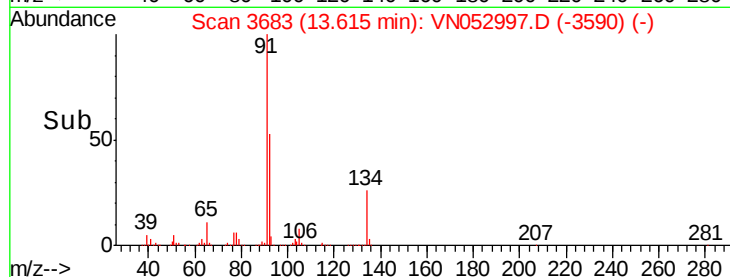
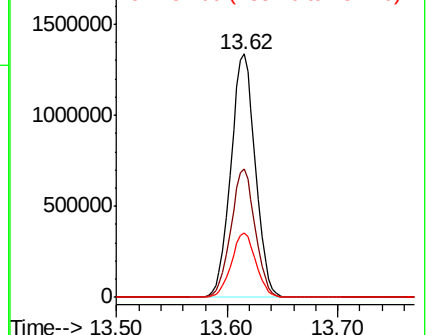
134 26.4 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052997.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052997.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052997.D (-3667) (-)



#90

Hexachloroethane

Concen: 50.326 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052997.D

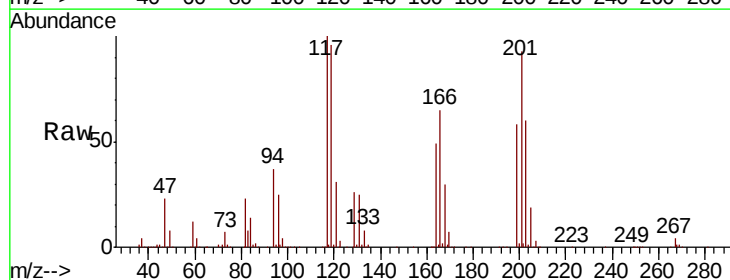
Acq: 19 Dec 2018 8:55

Tgt Ion: 117 Resp: 370268

Ion	Ratio	Lower	Upper
117	100		
201	93.6	45.7	137.1

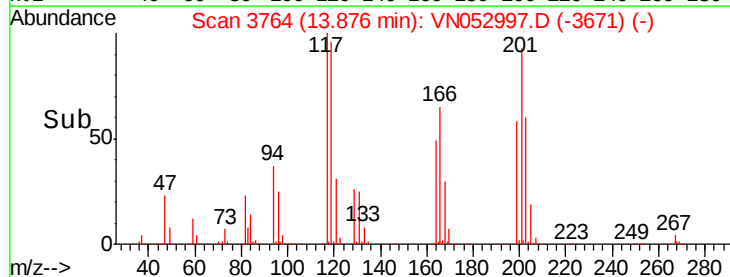
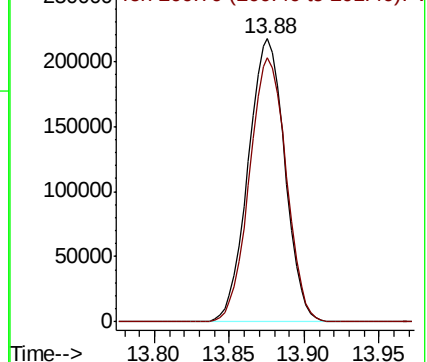
117 100

201 93.6 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052997.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052997.D (-3671) (-)

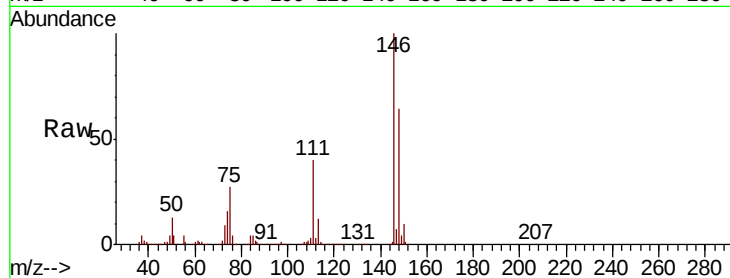




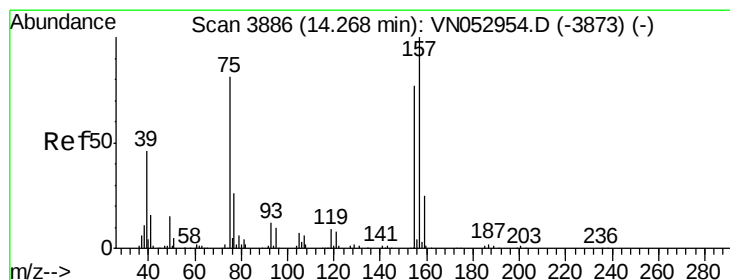
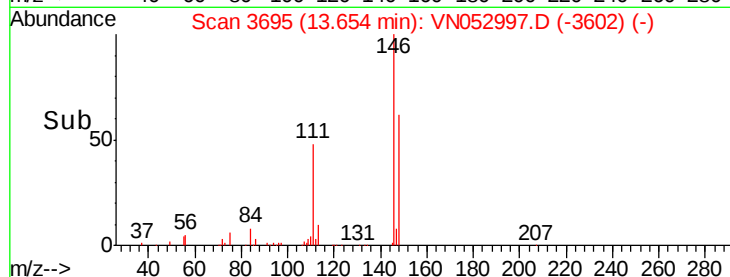
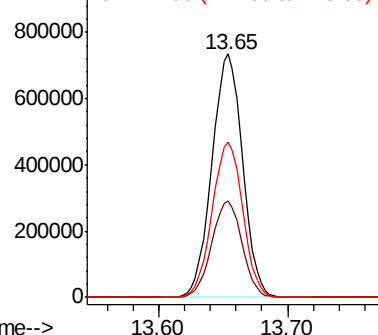
#91
 1,2-Dichlorobenzene
 Concen: 49.271 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1214028
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 63.9 32.0 96.0

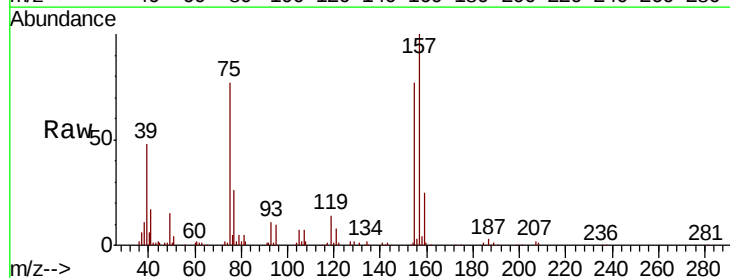


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

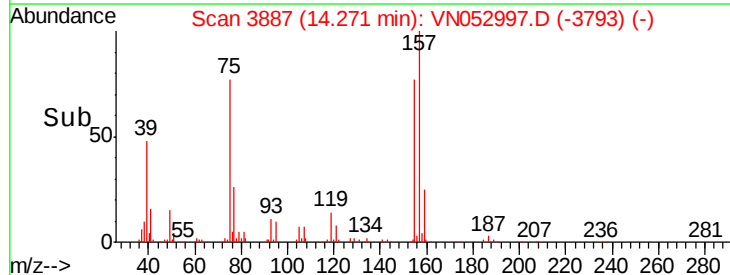
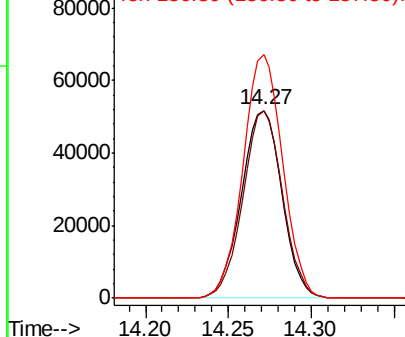


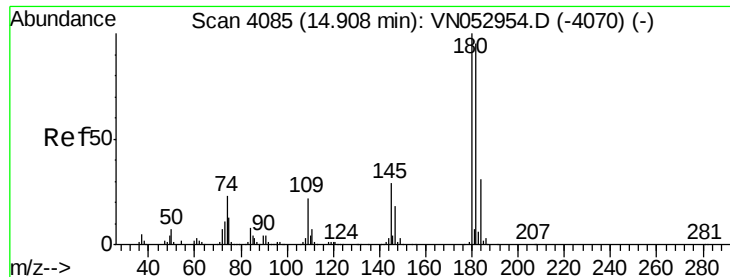
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.699 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion: 75 Resp: 88214
 Ion Ratio Lower Upper
 75 100
 155 97.4 48.2 144.6
 157 127.0 61.2 183.5



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

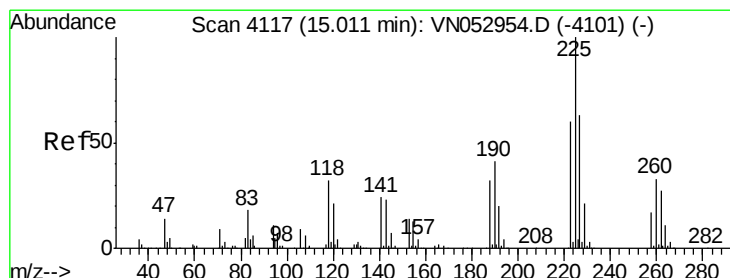
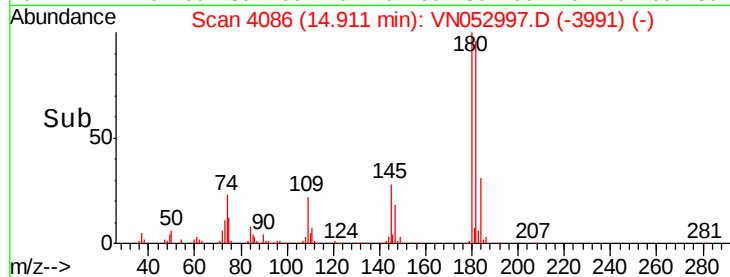
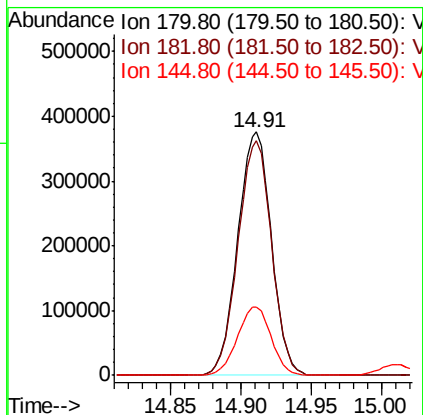
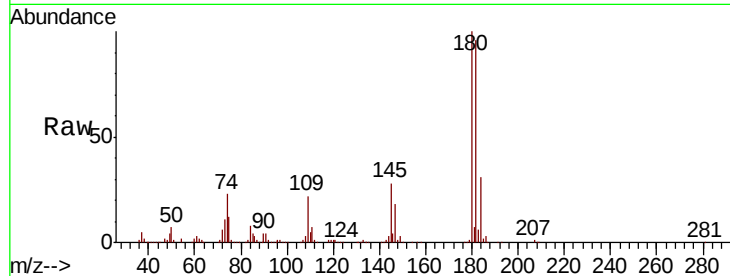




#93
 1,2,4-Trichlorobenzene
 Concen: 48.096 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

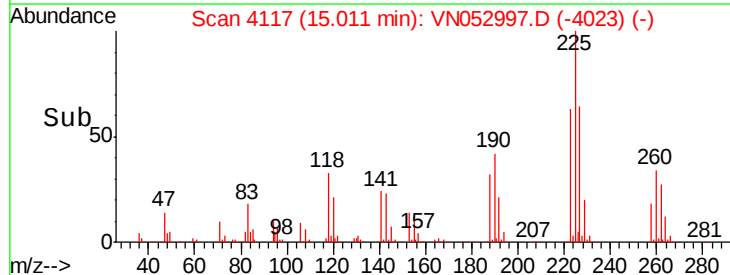
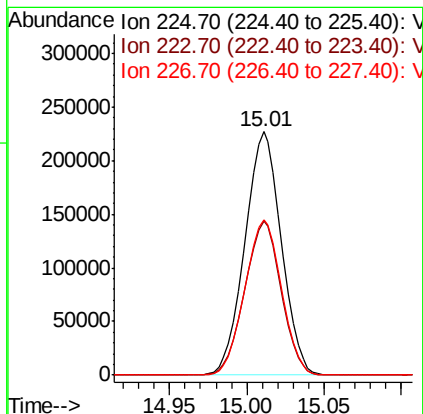
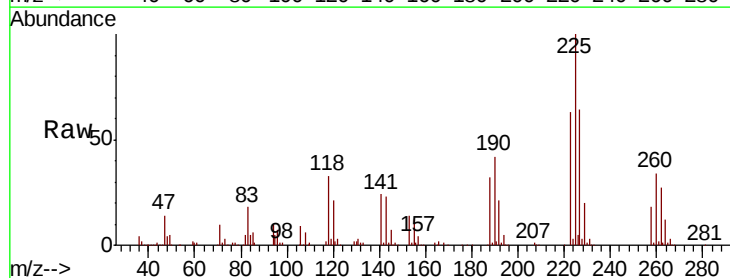
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

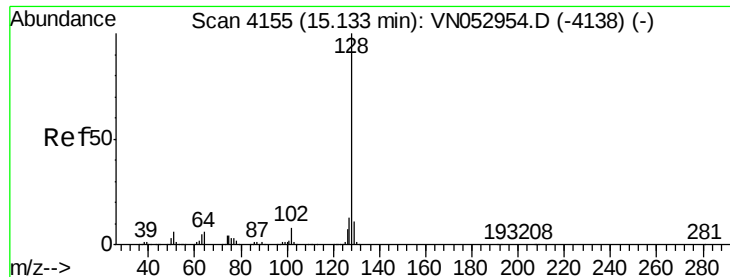
Tot Ion:180 Resp: 627556
 Ion Ratio Lower Upper
 180 100
 182 96.2 47.8 143.3
 145 28.3 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 55.372 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052997.D
 Acq: 19 Dec 2018 8:55

Tgt Ion:225 Resp: 372179
 Ion Ratio Lower Upper
 225 100
 223 63.2 31.5 94.5
 227 64.3 31.9 95.7





#95

Naphthalene

Concen: 45.115 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Instrument :

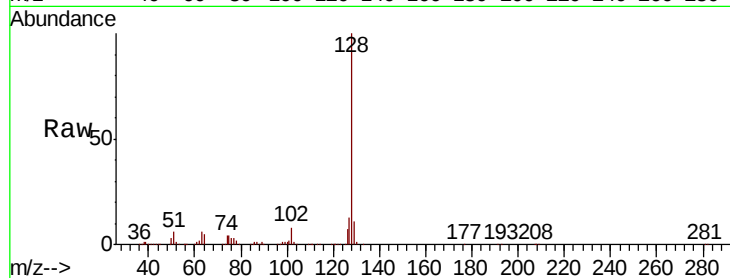
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1286845

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.6	13.0

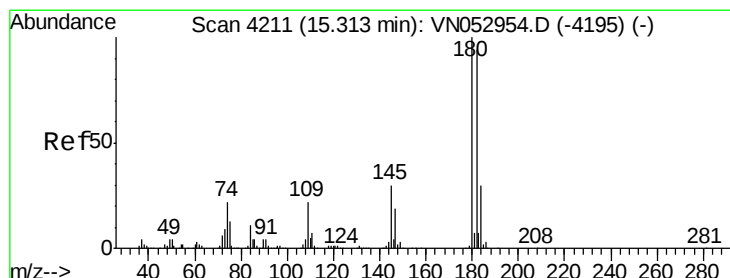
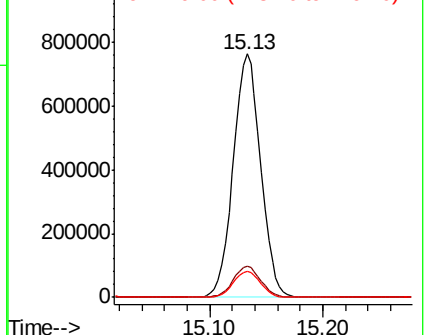
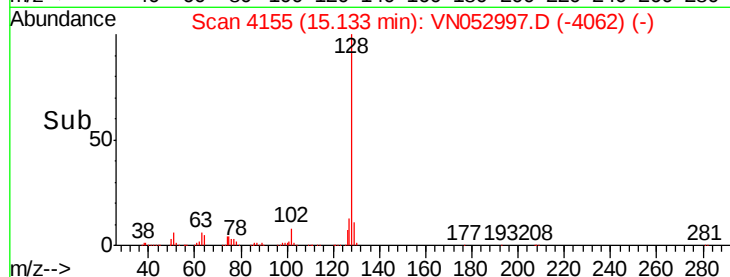


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 46.972 ug/l

RT: 15.32 min Scan# 4212

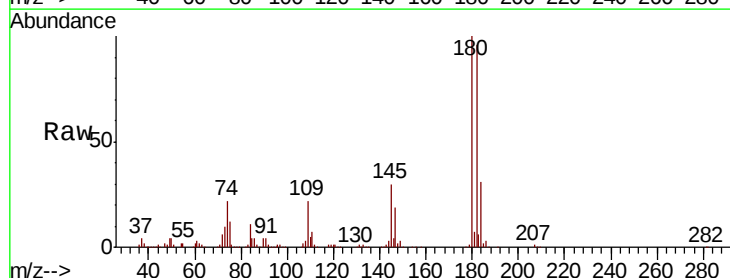
Delta R.T. 0.00 min

Lab File: VN052997.D

Acq: 19 Dec 2018 8:55

Tgt Ion:180 Resp: 551810

Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.9	143.7
145	30.2	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

