

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053249.D
 Acq On : 3 Jan 2019 9:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jan 04 00:51:16 2019
 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	827632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1221689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1104943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	480943	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	390312	46.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.94%	
35) Dibromofluoromethane	7.59	113	340097	60.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.88%	
50) Toluene-d8	10.09	98	1438971	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
62) 4-Bromofluorobenzene	12.40	95	509707	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	387576	46.271	ug/l	100
3) Chloromethane	2.06	50	474629	46.760	ug/l	99
4) Vinyl Chloride	2.19	62	479546	46.649	ug/l	100
5) Bromomethane	2.57	94	349338	49.049	ug/l	100
6) Chloroethane	2.71	64	289849	47.608	ug/l	98
7) Trichlorofluoromethane	3.02	101	643593	50.257	ug/l	99
8) Diethyl Ether	3.41	74	253250	52.420	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	428607	52.493	ug/l	98
10) Methyl Iodide	3.96	142	581819	50.741	ug/l	99
11) Tert butyl alcohol	4.77	59	117150	228.600	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	389178	49.335	ug/l	99
13) Acrolein	3.61	56	118351	254.696	ug/l	98
14) Allyl chloride	4.33	41	667600	54.636	ug/l	94
15) Acrylonitrile	4.98	53	745818	261.965	ug/l	99
16) Acetone	3.81	43	542728	329.573	ug/l	96
17) Carbon Disulfide	4.06	76	1034163	40.199	ug/l	100
18) Methyl Acetate	4.32	43	425390	56.777	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1106468	52.414	ug/l	100
20) Methylene Chloride	4.55	84	461274	51.350	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	417497	49.260	ug/l	98
22) Diisopropyl ether	5.95	45	1444787	55.395	ug/l	97
23) Vinyl Acetate	5.89	43	4062247	270.860	ug/l	99
24) 1,1-Dichloroethane	5.85	63	815888	52.644	ug/l	99
25) 2-Butanone	6.83	43	818312	296.096	ug/l	100
26) 2,2-Dichloropropane	6.82	77	629970	53.248	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	502980	52.420	ug/l	100
28) Bromochloromethane	7.19	49	358107	53.324	ug/l	97
29) Tetrahydrofuran	7.21	42	537174	260.247	ug/l	99
30) Chloroform	7.37	83	806351	52.963	ug/l	100
31) Cyclohexane	7.65	56	727617	50.059	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	671477	51.773	ug/l	99
36) 1,1-Dichloropropene	7.79	75	616016	52.534	ug/l	100
37) Ethyl Acetate	6.92	43	354654	54.178	ug/l	99
38) Carbon Tetrachloride	7.77	117	585991	54.521	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	722076	50.690	ug/l	99
40) Benzene	8.04	78	1861783	53.378	ug/l	100
41) Methacrylonitrile	7.17	41	210110	55.551	ug/l	97
42) 1,2-Dichloroethane	8.12	62	548427	53.225	ug/l	99
43) Isopropyl Acetate	8.16	43	652957	51.577	ug/l	97
44) Trichloroethene	8.83	130	503613	49.920	ug/l	100
45) 1,2-Dichloropropane	9.12	63	505782	55.672	ug/l	99
46) Dibromomethane	9.21	93	280248	52.953	ug/l	98
47) Bromodichloromethane	9.40	83	625663	55.615	ug/l	100
48) Methyl methacrylate	9.20	41	334970	52.734	ug/l	99
49) 1,4-Dioxane	9.20	88	71233	886.516	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1758824	277.445	ug/l	99
52) Toluene	10.16	92	1165200	53.897	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	635913	53.756	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	750811	55.294	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	414091	54.903	ug/l	99
56) Ethyl methacrylate	10.43	69	540361	54.129	ug/l	97
57) 1,3-Dichloropropane	10.71	76	710080	54.902	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1439676	262.689	ug/l	99
59) 2-Hexanone	10.75	43	1234878	287.911	ug/l	99
60) Dibromochloromethane	10.90	129	475828	55.115	ug/l	100
61) 1,2-Dibromoethane	11.00	107	407785	53.236	ug/l	99
64) Tetrachloroethene	10.63	164	528504	44.156	ug/l	98
65) Chlorobenzene	11.43	112	1331465	54.360	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	473330	55.571	ug/l	100
67) Ethyl Benzene	11.51	91	2296190	54.512	ug/l	100
68) m/p-Xylenes	11.62	106	1738853	108.589	ug/l	100
69) o-Xylene	11.95	106	848127	55.195	ug/l	100
70) Styrene	11.96	104	1419703	56.662	ug/l	99
71) Bromoform	12.13	173	314084	51.044	ug/l #	100
73) Isopropylbenzene	12.25	105	2285663	60.741	ug/l	99
74) N-amyl acetate	12.07	43	573121	54.858	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	418419	56.678	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	584256	72.164	ug/l #	100
77) Bromobenzene	12.53	156	574775	58.761	ug/l	97
78) n-propylbenzene	12.59	91	2612531	60.960	ug/l	99
79) 2-Chlorotoluene	12.67	91	1519226	57.190	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1813794	59.136	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136588	54.376	ug/l	97
82) 4-Chlorotoluene	12.77	91	1556009	59.837	ug/l	99
83) tert-Butylbenzene	12.99	119	1604927	59.166	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1807472	58.621	ug/l	100
85) sec-Butylbenzene	13.17	105	2135656	58.207	ug/l	99
86) p-Isopropyltoluene	13.29	119	1830492	57.737	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	941996	54.412	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	912785	52.064	ug/l	100
89) n-Butylbenzene	13.61	91	1466521	53.768	ug/l	100
90) Hexachloroethane	13.87	117	280678	57.691	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	783006	48.057	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26626	20.859	ug/l	97

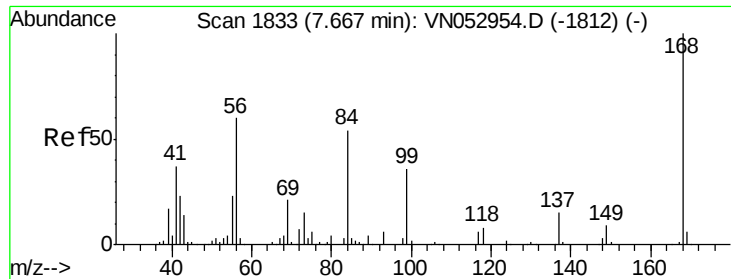
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	74511	9.125	ug/l	100
94) Hexachlorobutadiene	15.01	225	102235	21.221	ug/l	99
95) Naphthalene	15.13	128	113172	6.994	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	38195	5.372	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: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

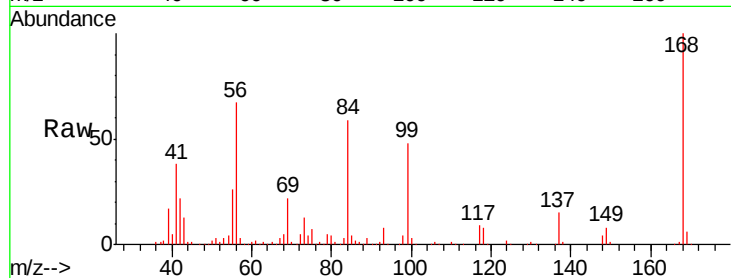
VSTDCCC050

Tgt Ion:168 Resp: 827632

Ion Ratio Lower Upper

168 100

99 48.3 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053249.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053249.D (-1740) (-)

7.66

400000

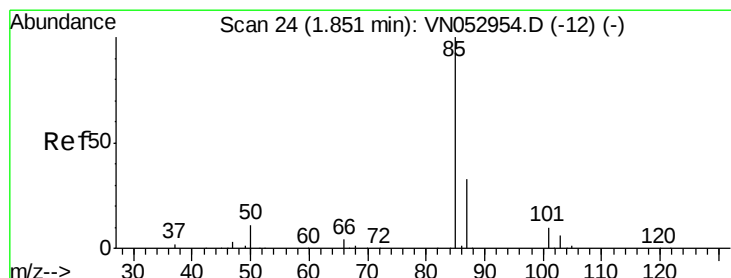
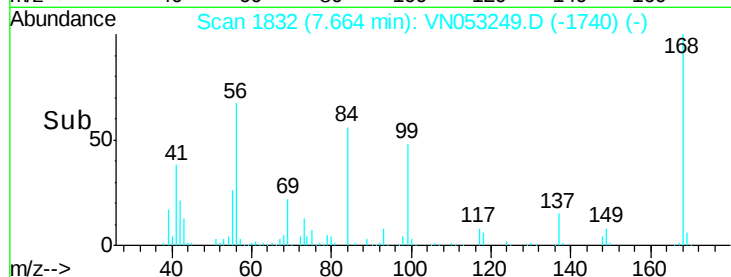
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.271 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053249.D

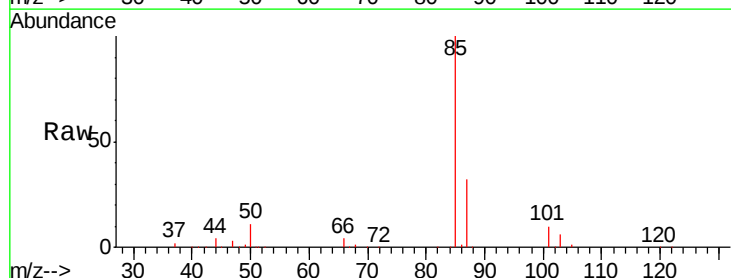
Acq: 3 Jan 2019 9:07

Tgt Ion: 85 Resp: 387576

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN053249.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN053249.D (-1) (-)

1.85

300000

250000

200000

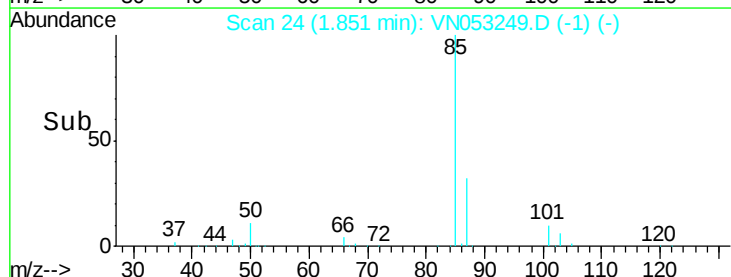
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 46.760 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

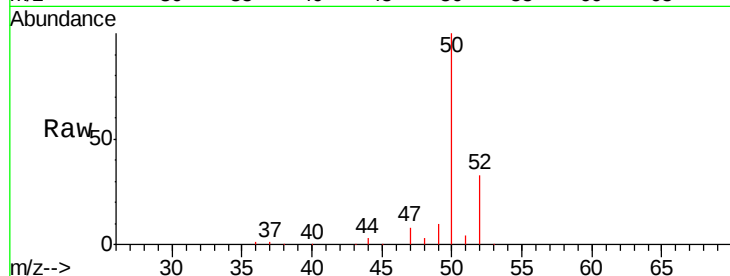
VSTDCCC050

Tgt Ion: 50 Resp: 474629

Ion Ratio Lower Upper

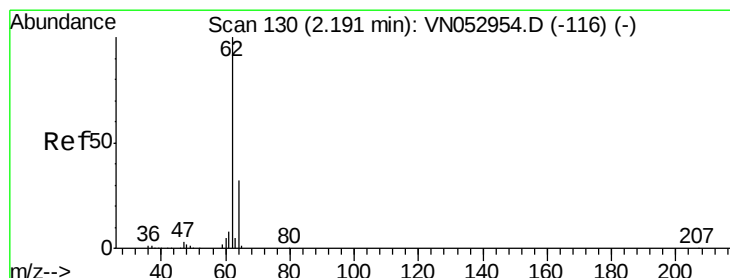
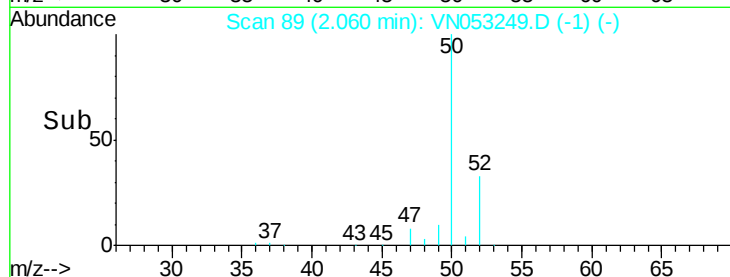
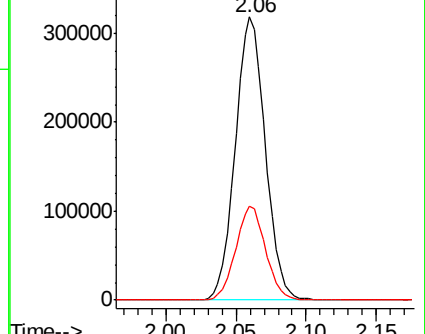
50 100

52 33.3 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 46.649 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053249.D

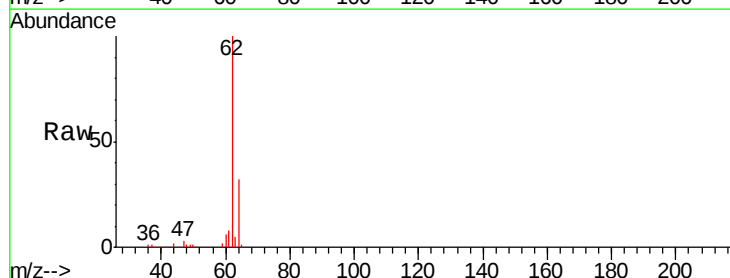
Acq: 3 Jan 2019 9:07

Tgt Ion: 62 Resp: 479546

Ion Ratio Lower Upper

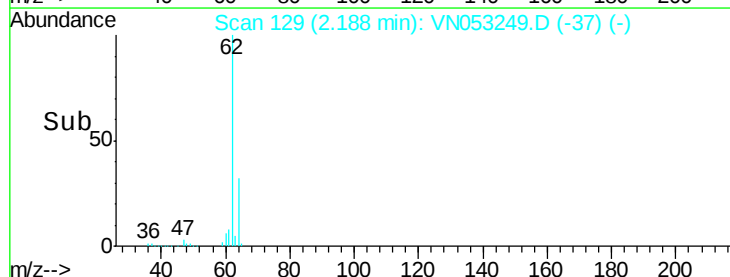
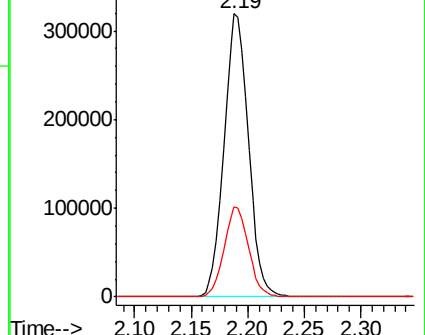
62 100

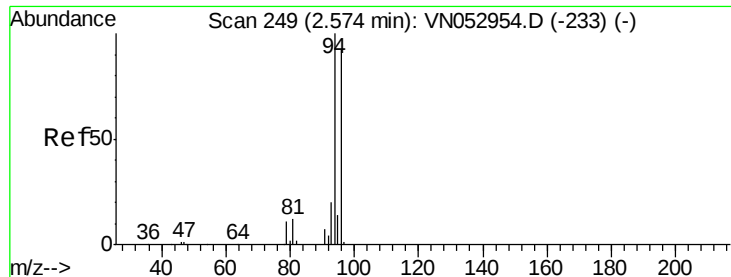
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 49.049 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

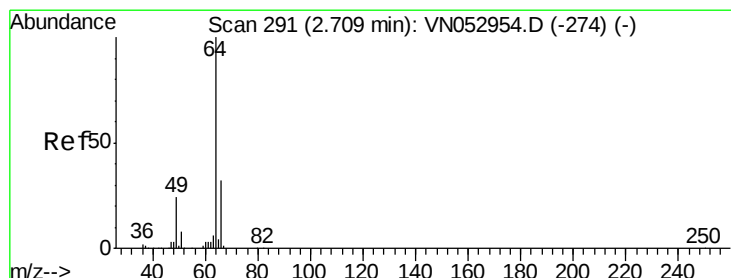
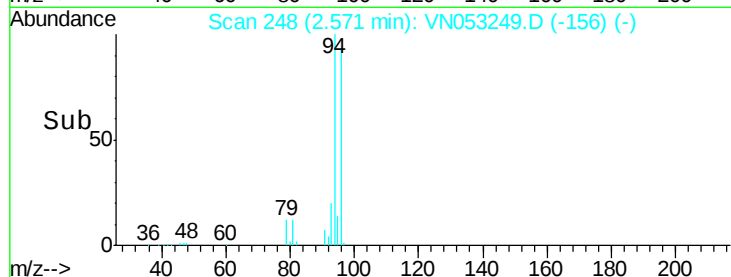
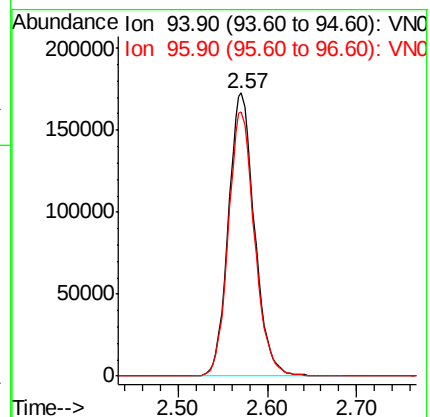
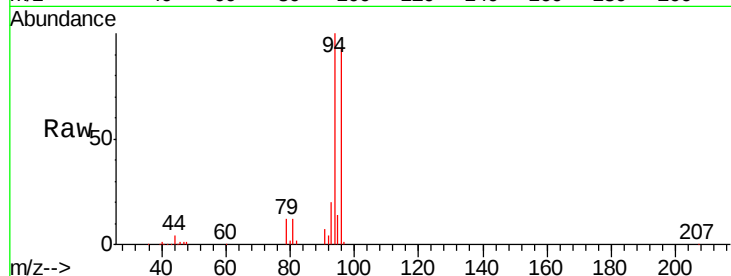
VSTDCCC050

Tgt Ion: 94 Resp: 349338

Ion Ratio Lower Upper

94 100

96 93.4 75.0 112.4



#6

Chloroethane

Concen: 47.608 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053249.D

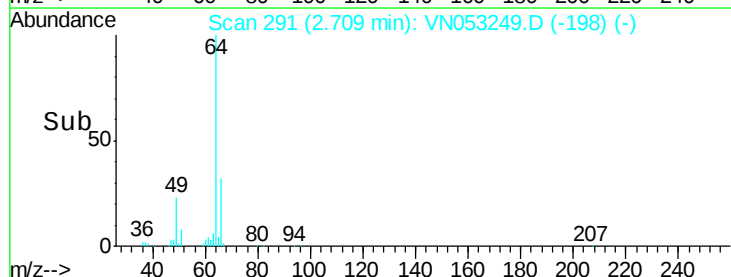
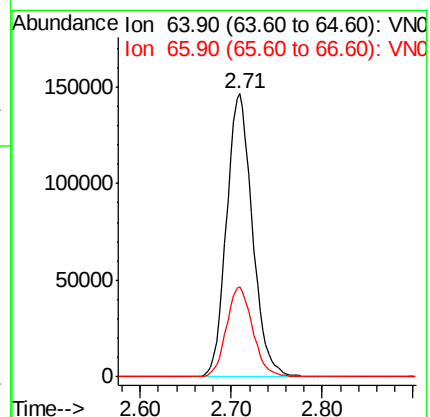
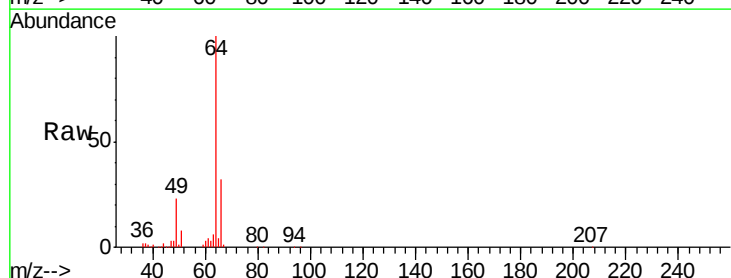
Acq: 3 Jan 2019 9:07

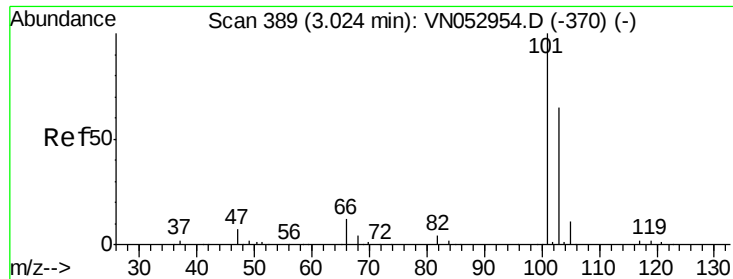
Tgt Ion: 64 Resp: 289849

Ion Ratio Lower Upper

64 100

66 31.8 26.2 39.2



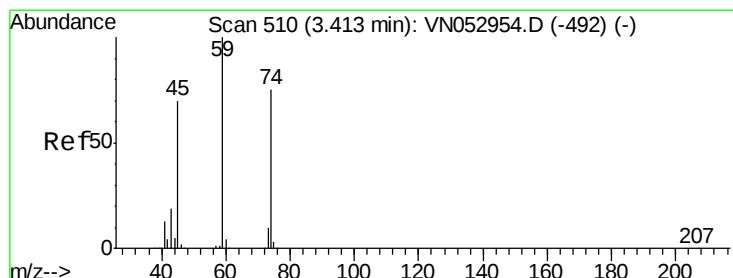
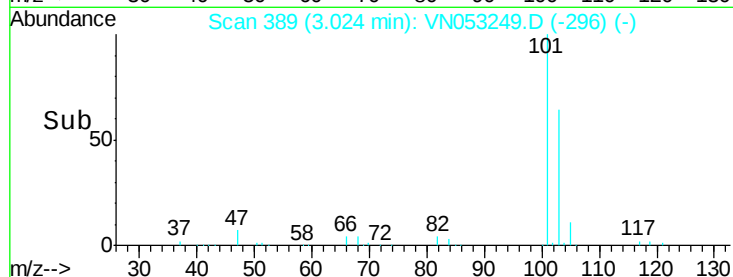
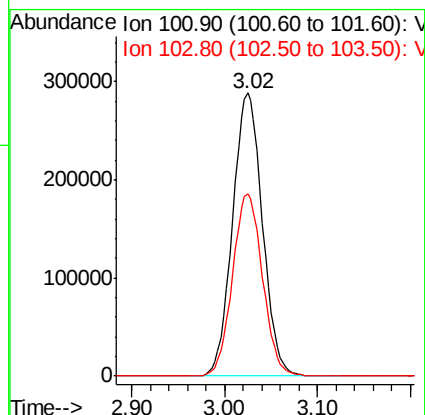
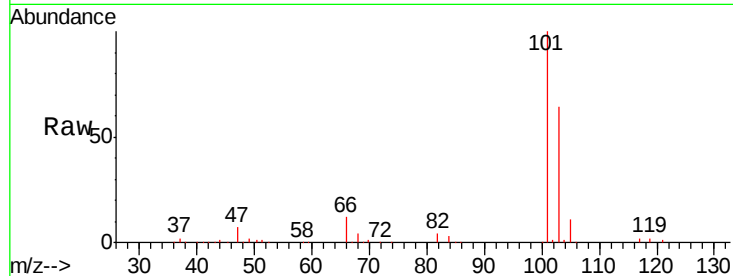


#7

Trichlorofluoromethane
 Concen: 50.257 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Instrument :
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 ClientSampleId :
 VSTDCCC050

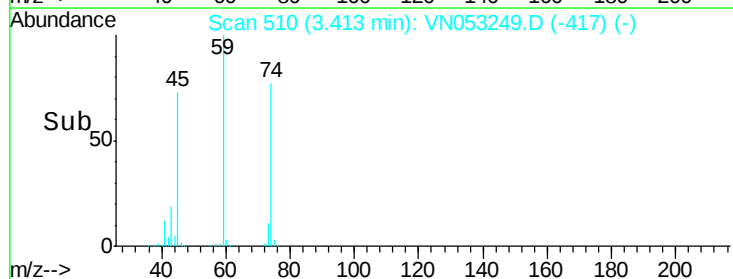
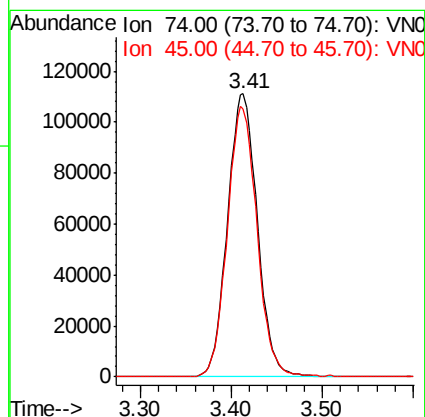
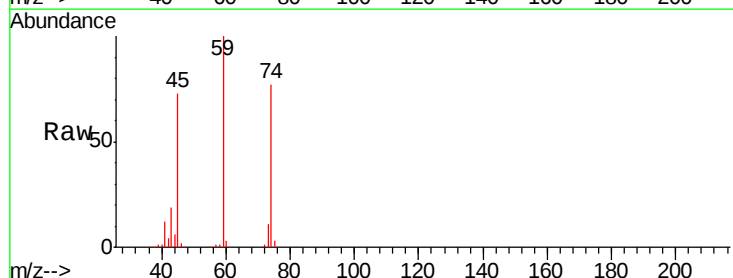
Tgt Ion: 101 Resp: 643593
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6

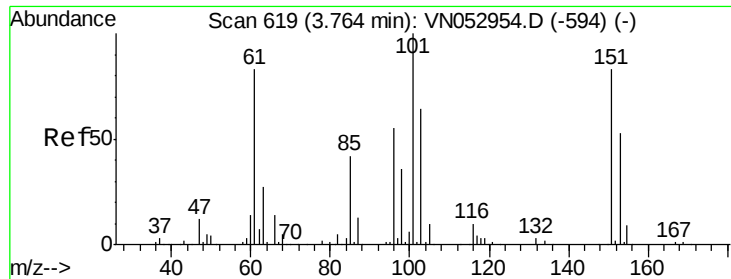


#8

Diethyl Ether
 Concen: 52.420 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 74 Resp: 253250
 Ion Ratio Lower Upper
 74 100
 45 94.9 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.493 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

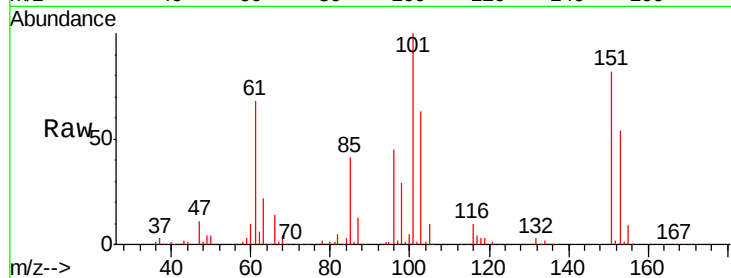
Tgt Ion:101 Resp: 428607

Ion Ratio Lower Upper

101 100

85 41.5 33.6 50.4

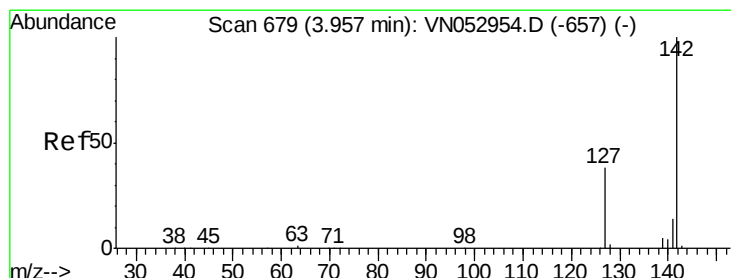
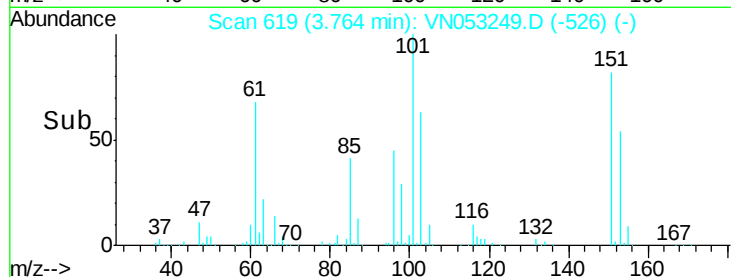
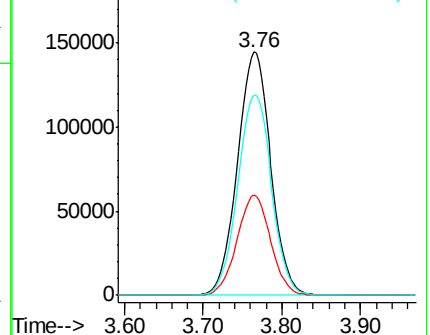
151 84.0 65.5 98.3



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: 50.741 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

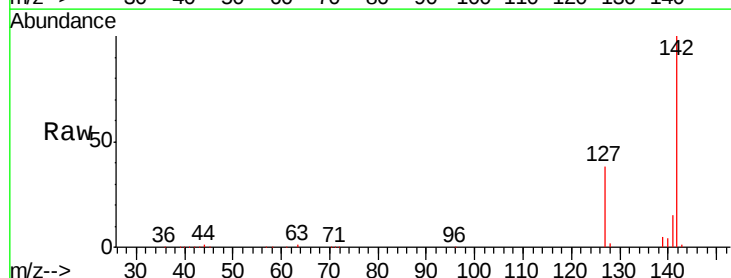
Tgt Ion:142 Resp: 581819

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

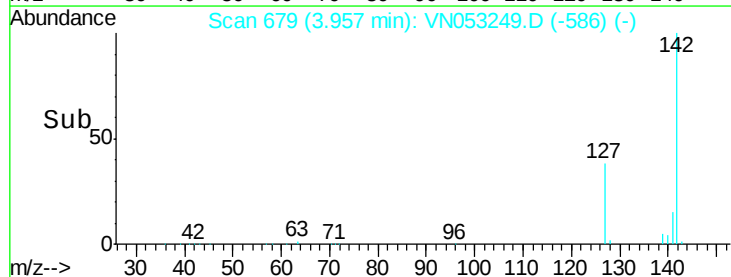
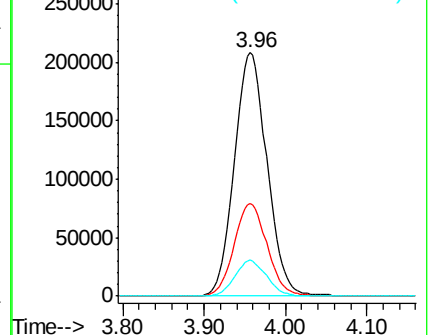
141 14.3 11.2 16.8

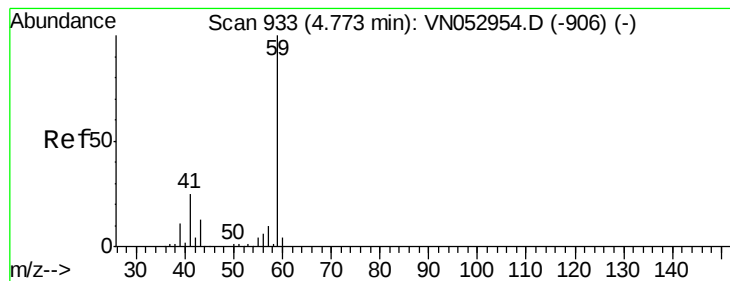


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



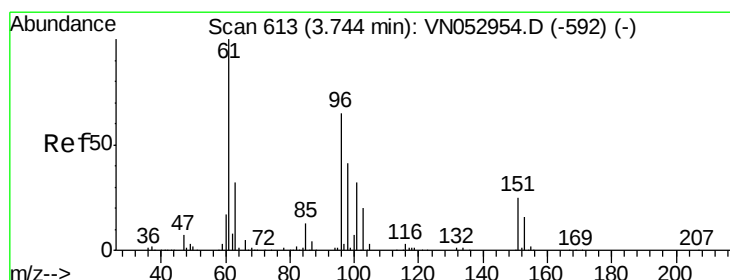
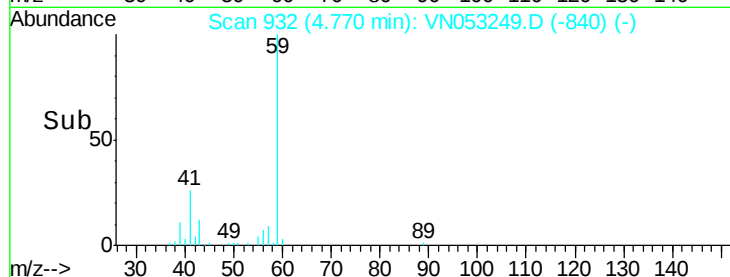
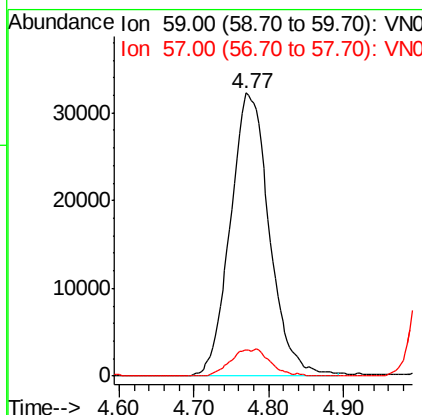
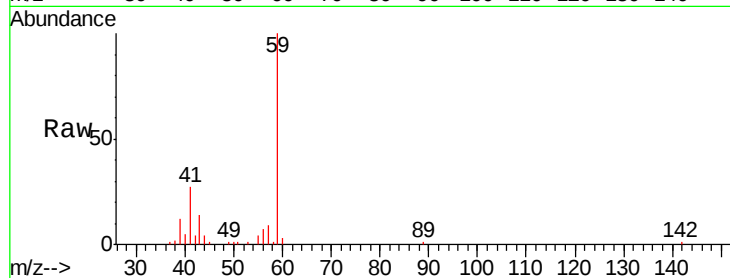


#11

Tert butyl alcohol
 Concen: 228.600 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

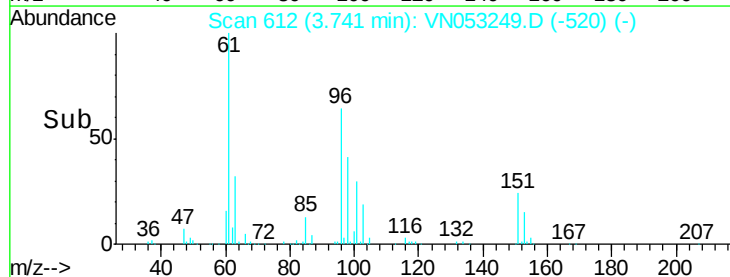
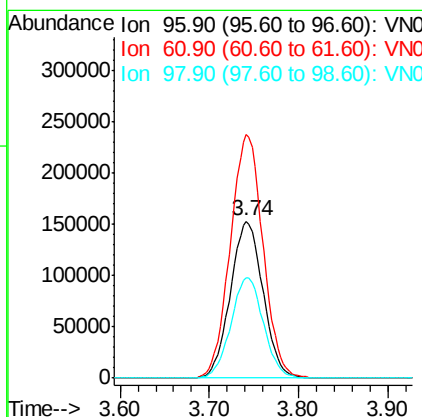
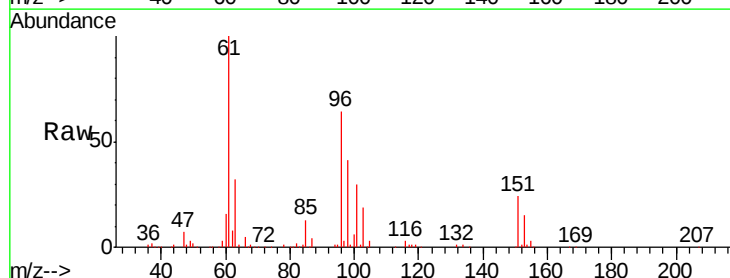
Tgt Ion: 59 Resp: 117150
 Ion Ratio Lower Upper
 59 100
 57 5.2 7.7 11.5#

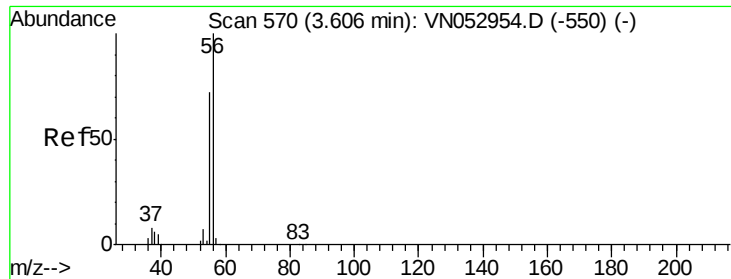


#12

1,1-Dichloroethene
 Concen: 49.335 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 96 Resp: 389178
 Ion Ratio Lower Upper
 96 100
 61 155.3 125.6 188.4
 98 64.2 50.6 75.8





#13

Acrolein

Concen: 254.696 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

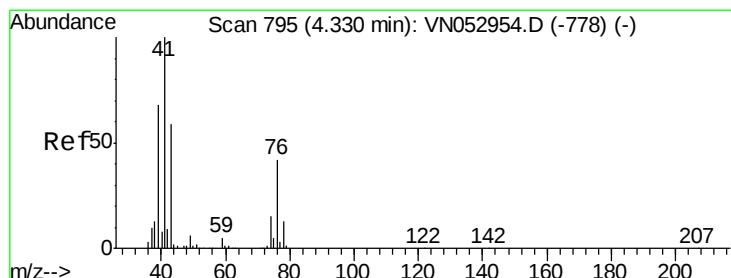
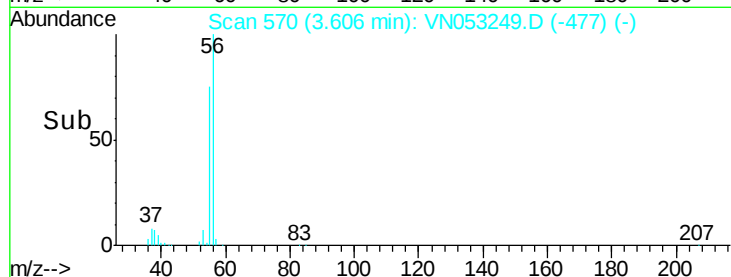
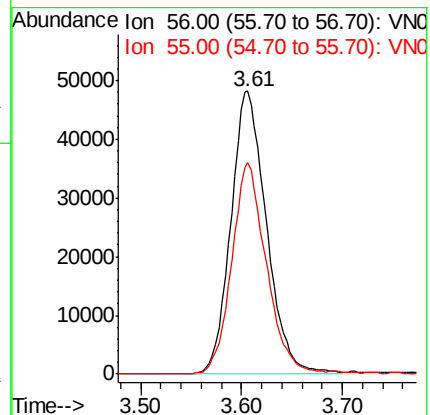
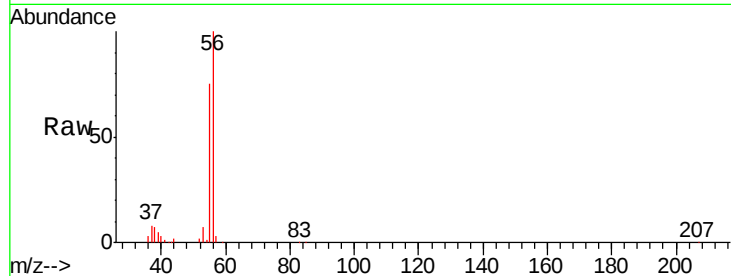
VSTDCCC050

Tgt Ion: 56 Resp: 118351

Ion Ratio Lower Upper

56 100

55 72.4 56.6 85.0



#14

Allyl chloride

Concen: 54.636 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

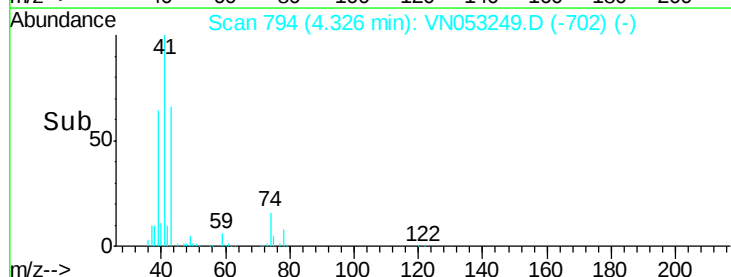
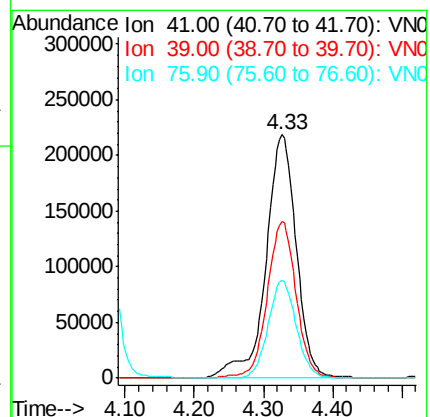
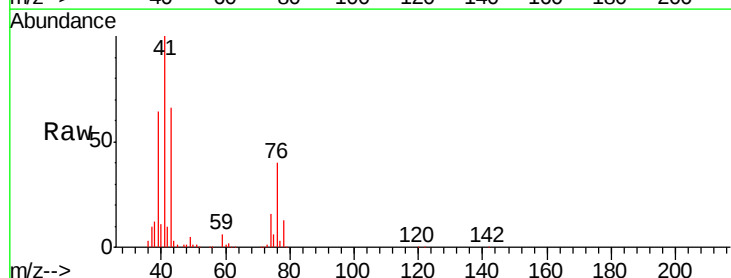
Tgt Ion: 41 Resp: 667600

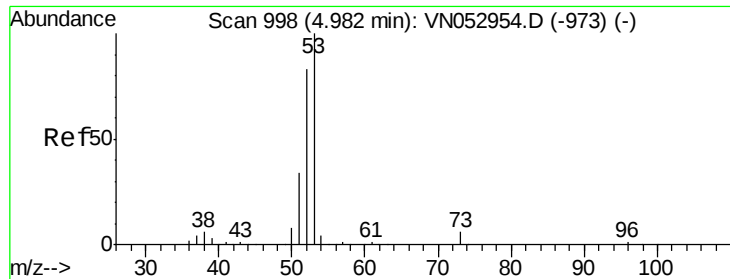
Ion Ratio Lower Upper

41 100

39 61.0 54.1 81.1

76 36.6 30.3 45.5





#15

Acrylonitrile

Concen: 261.965 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

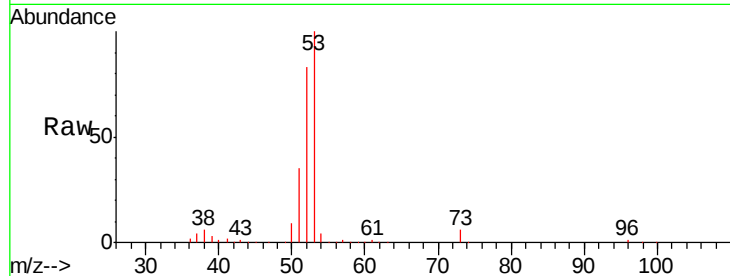
Tgt Ion: 53 Resp: 745818

Ion Ratio Lower Upper

53 100

52 82.8 65.1 97.7

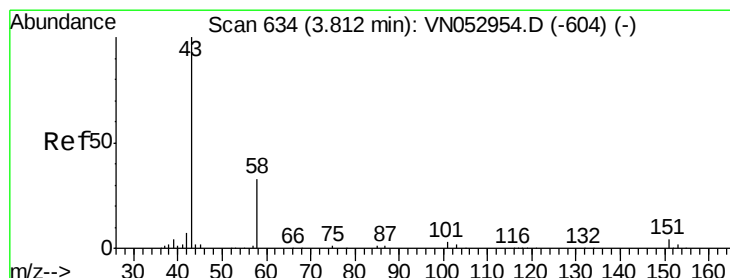
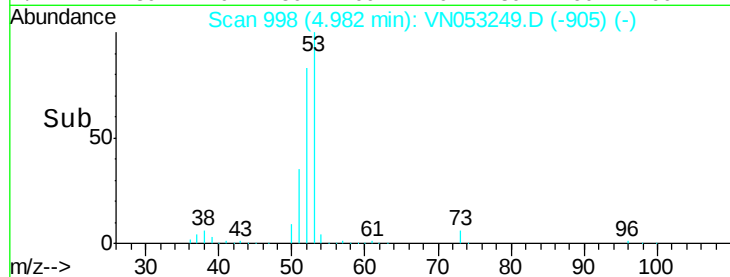
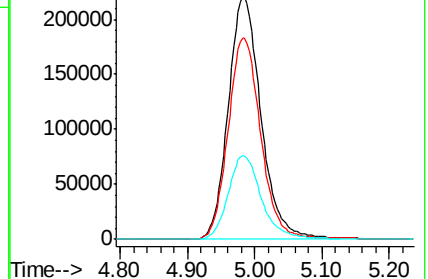
51 35.4 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053249.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053249.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053249.D (-905) (-)



#16

Acetone

Concen: 329.573 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053249.D

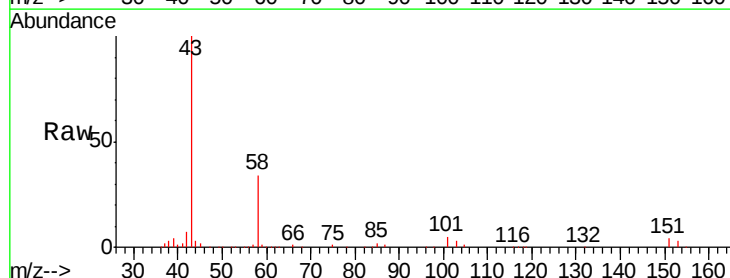
Acq: 3 Jan 2019 9:07

Tgt Ion: 43 Resp: 542728

Ion Ratio Lower Upper

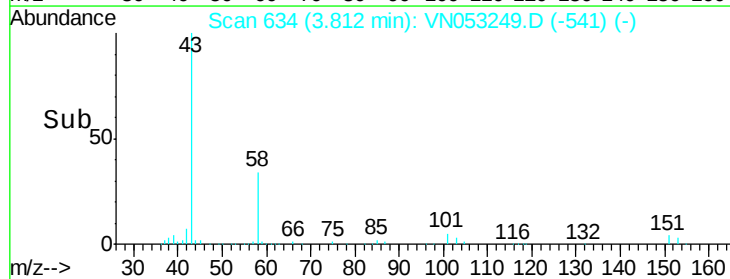
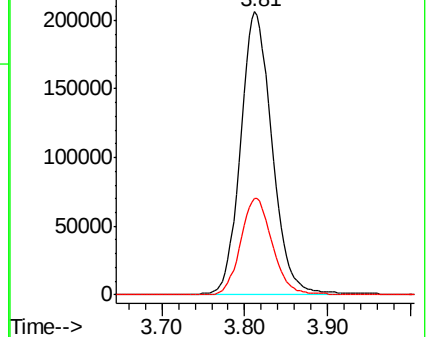
43 100

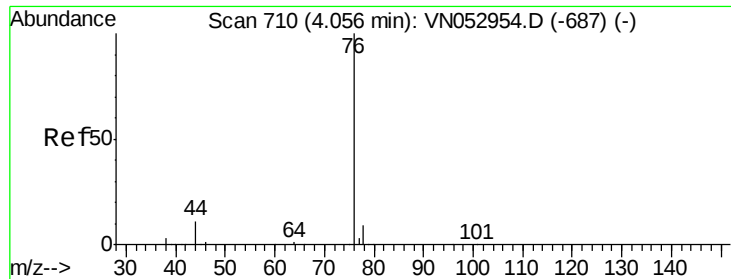
58 34.0 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053249.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053249.D (-541) (-)

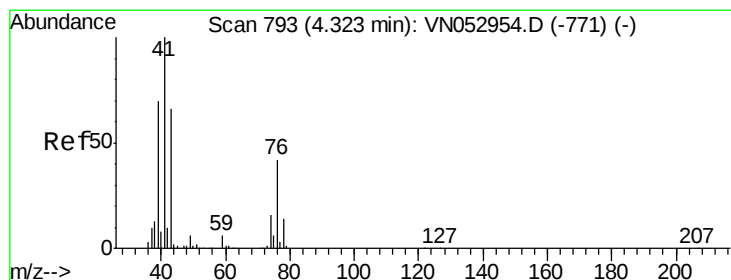
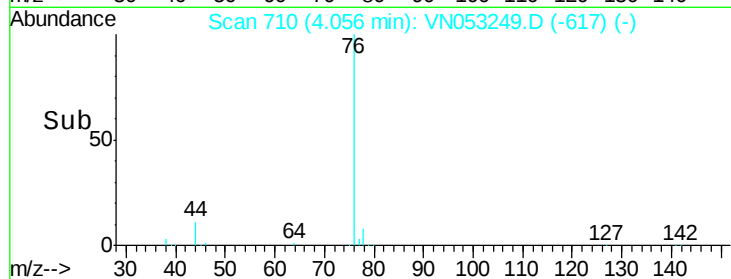
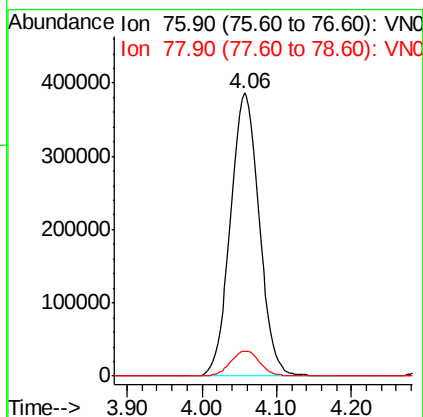
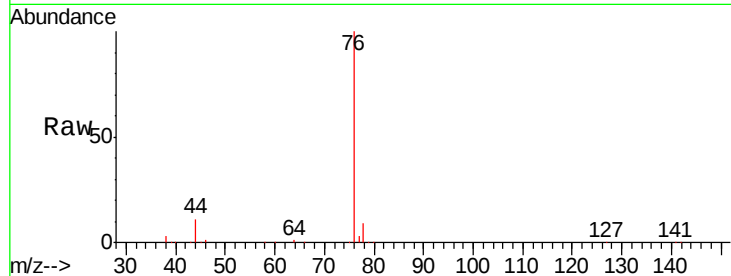




#17
Carbon Disulfide
Concen: 40.199 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

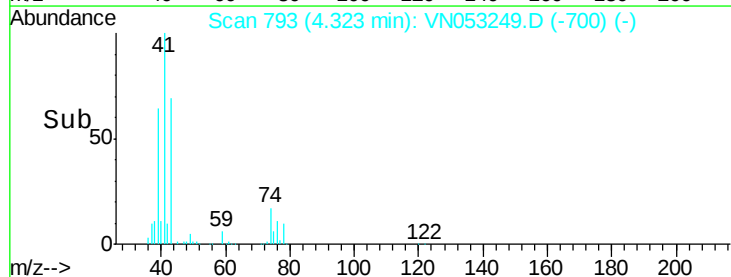
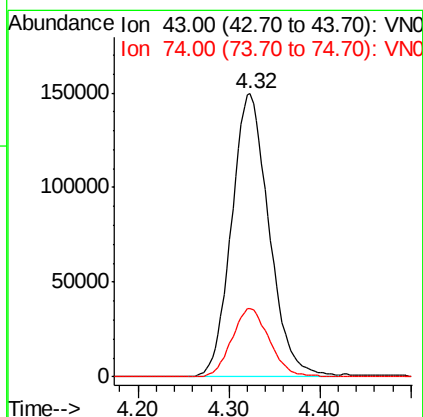
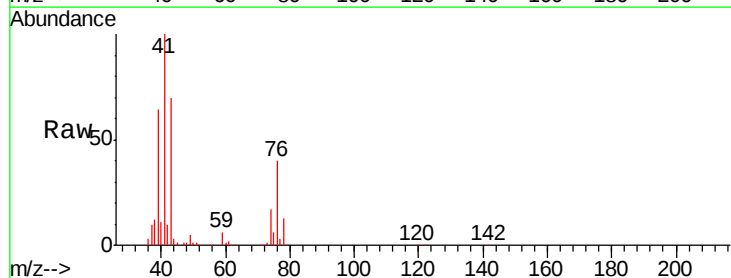
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

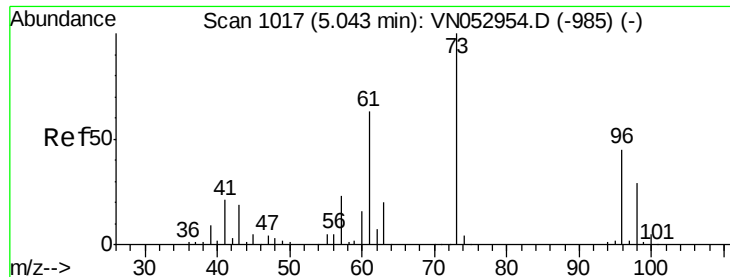
Tgt Ion: 76 Resp: 1034163
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 56.777 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 43 Resp: 425390
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8

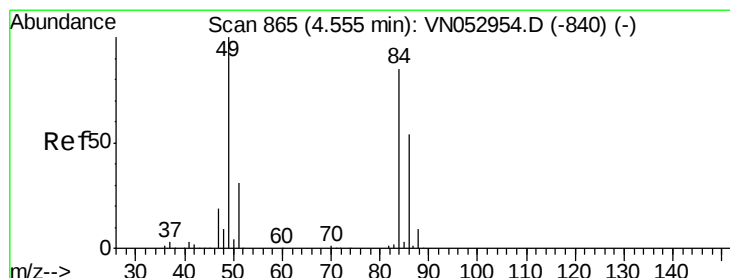
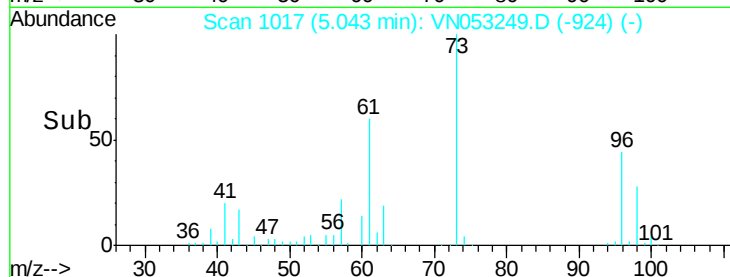
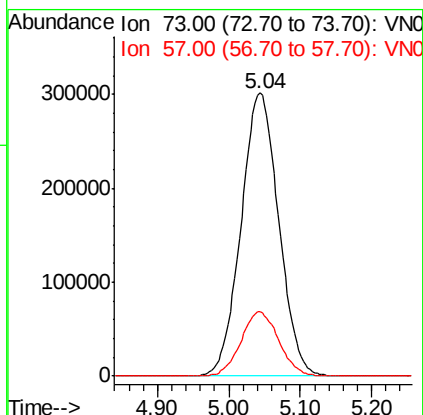
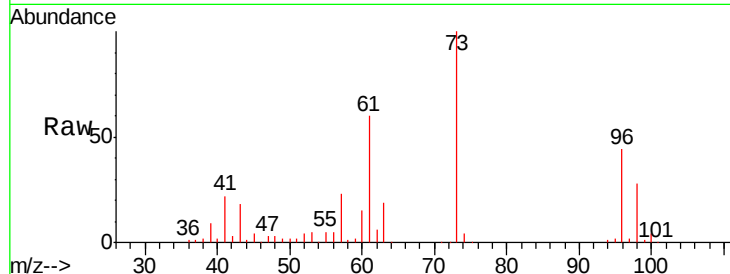




#19
Methyl tert-butyl Ether
Concen: 52.414 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

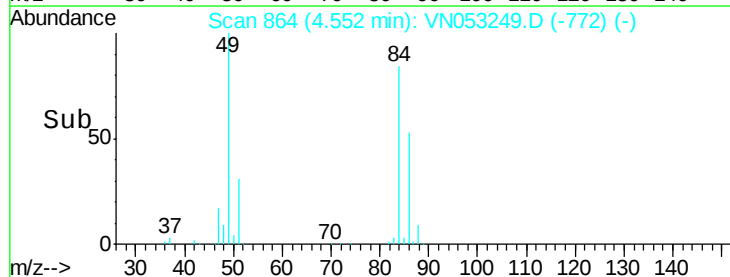
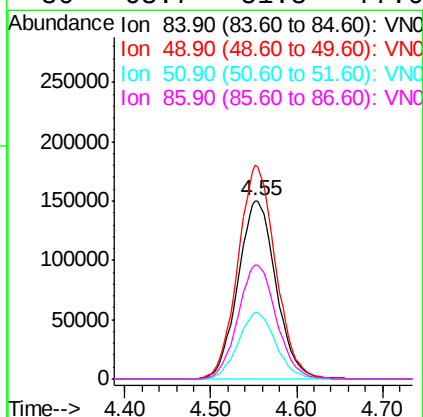
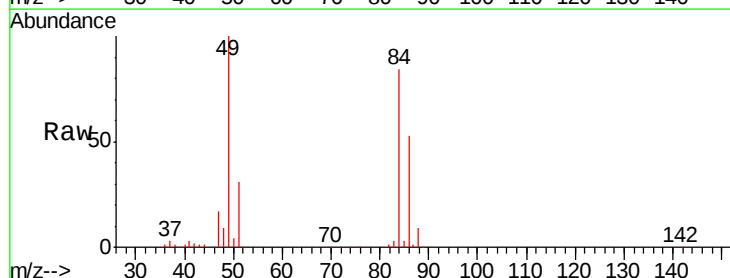
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

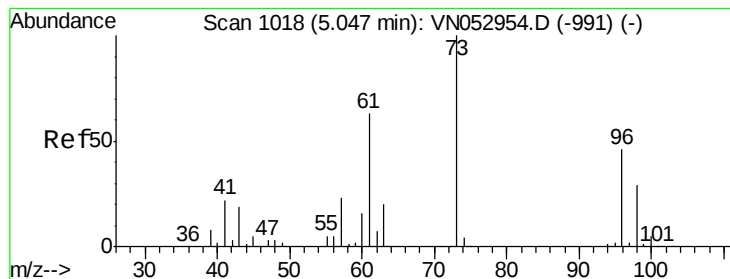
Tgt Ion: 73 Resp: 1106468
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 51.350 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 84 Resp: 461274
Ion Ratio Lower Upper
84 100
49 119.8 96.8 145.2
51 37.1 29.9 44.9
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 49.260 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

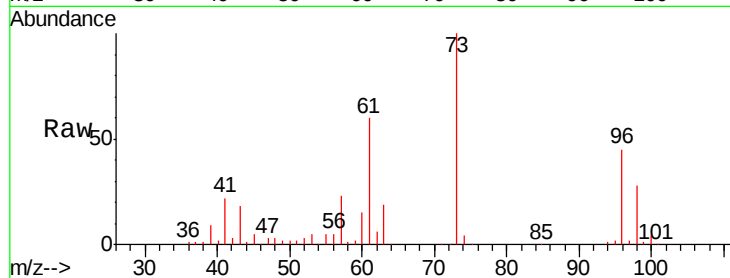
Tgt Ion: 96 Resp: 417497

Ion Ratio Lower Upper

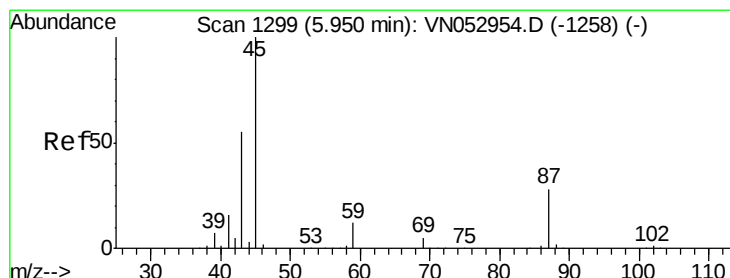
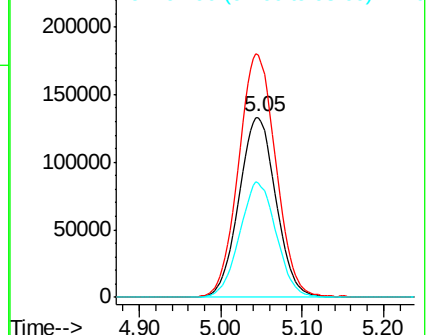
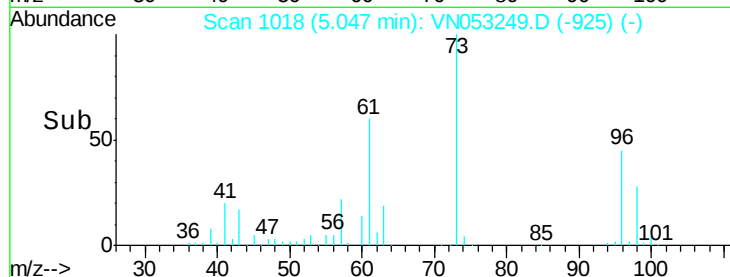
96 100

61 134.7 110.8 166.2

98 63.6 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN053249.D (-925) (-)



#22

Diisopropyl ether

Concen: 55.395 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tgt Ion: 45 Resp: 1444787

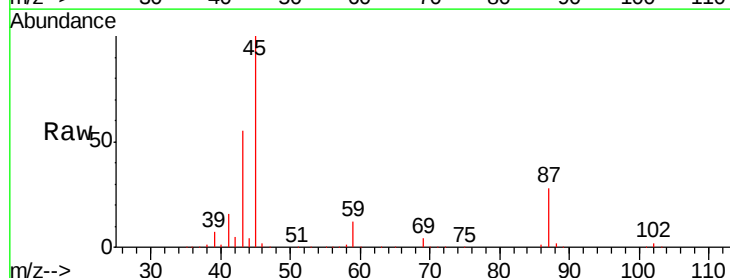
Ion Ratio Lower Upper

45 100

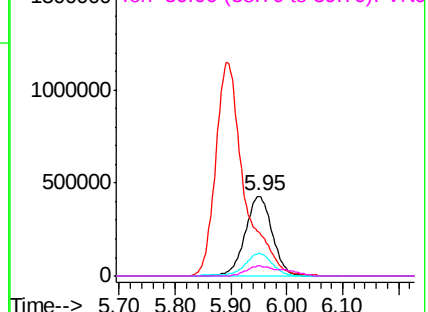
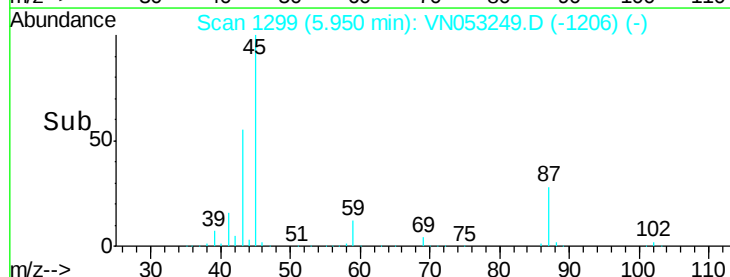
43 54.1 45.5 68.3

87 28.0 22.0 33.0

59 12.1 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VN053249.D (-1206) (-)





#23

Vinyl Acetate

Concen: 270.860 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

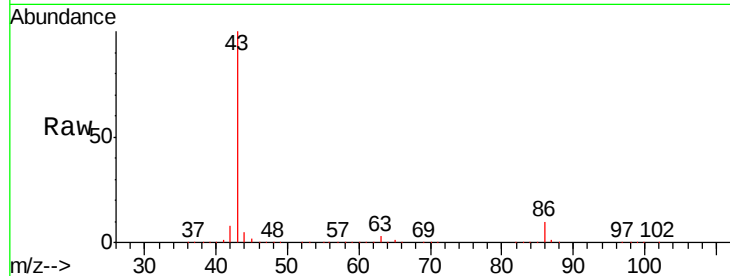
VSTDCCC050

Tgt Ion: 43 Resp: 4062247

Ion Ratio Lower Upper

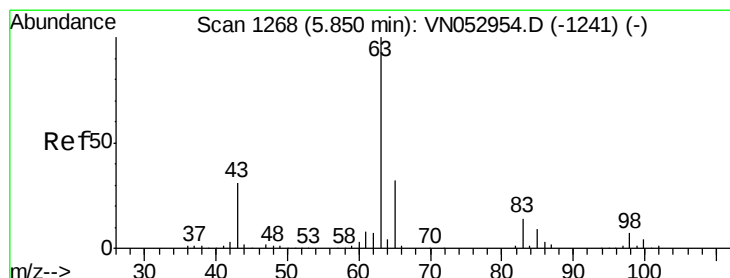
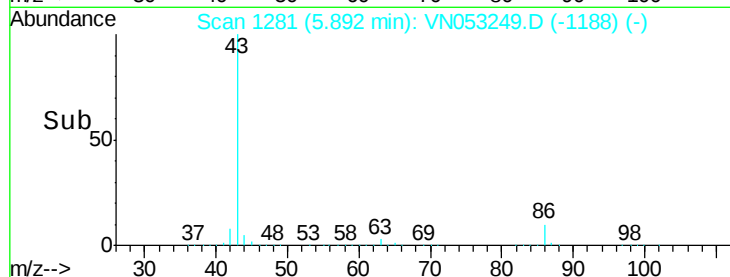
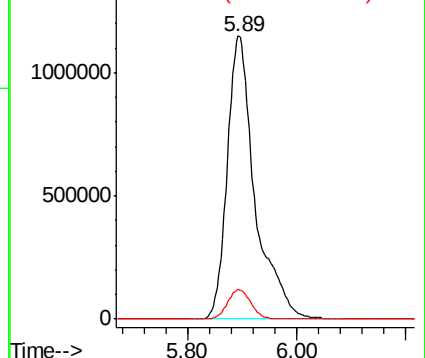
43 100

86 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 52.644 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

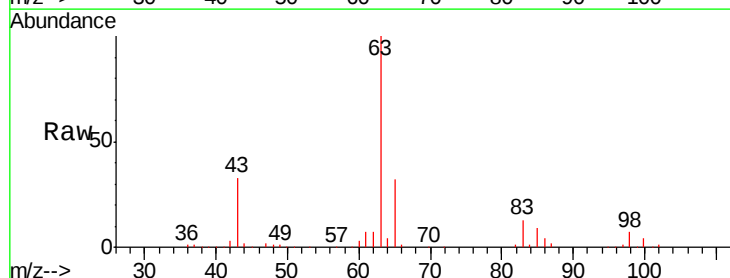
Tgt Ion: 63 Resp: 815888

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

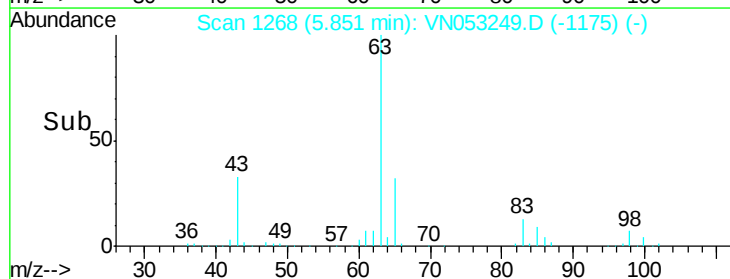
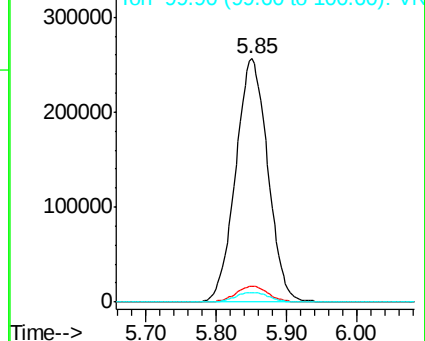
100 4.1 2.0 5.8

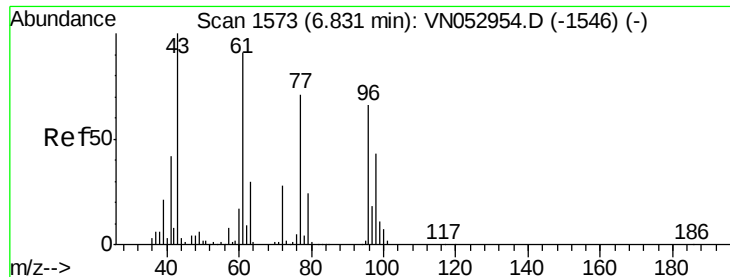


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 296.096 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

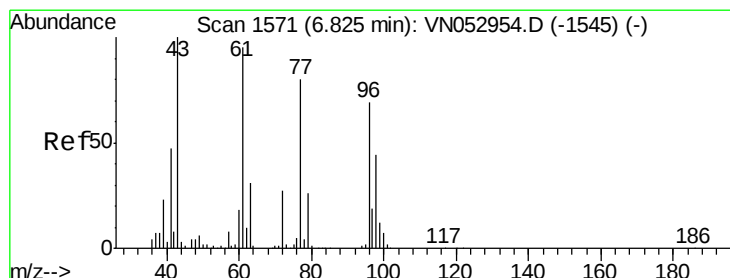
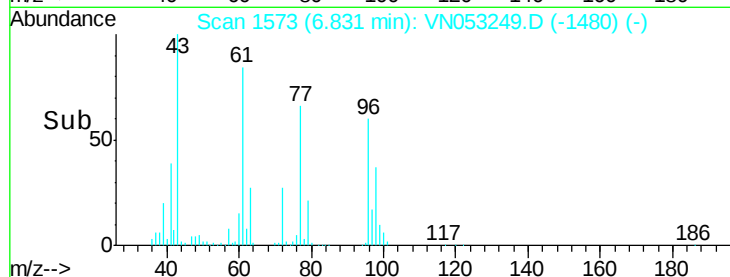
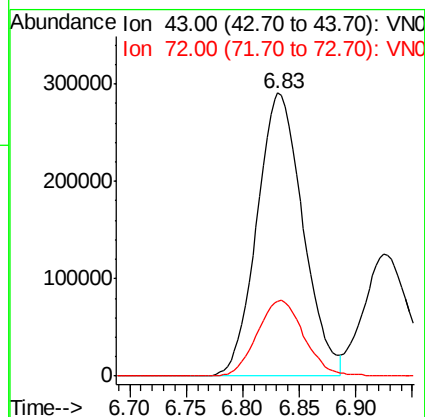
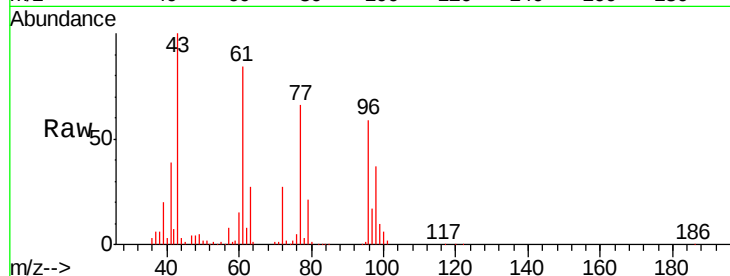
VSTDCCC050

Tgt Ion: 43 Resp: 818312

Ion Ratio Lower Upper

43 100

72 26.5 21.0 31.6



#26

2,2-Dichloropropane

Concen: 53.248 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053249.D

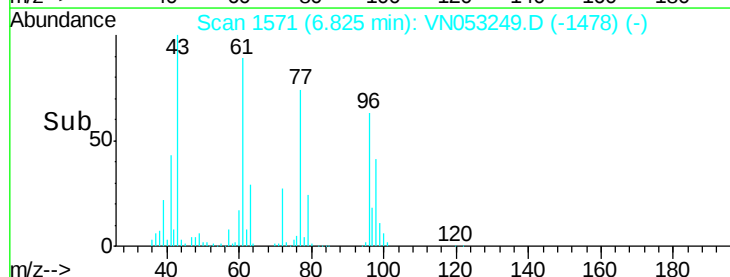
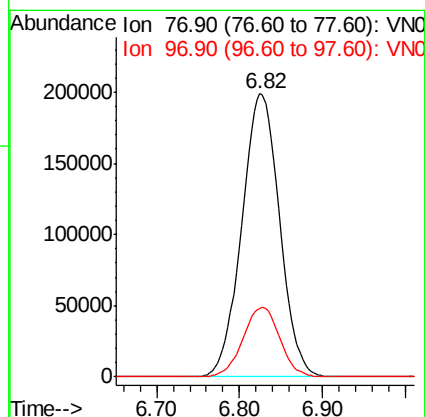
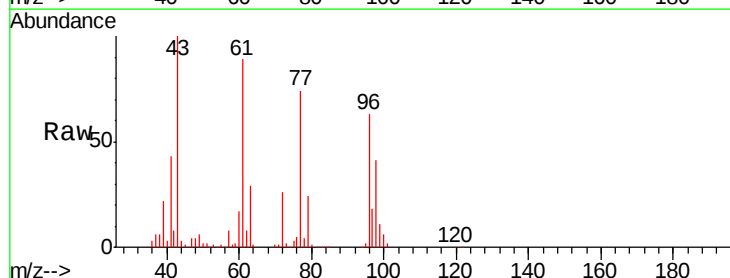
Acq: 3 Jan 2019 9:07

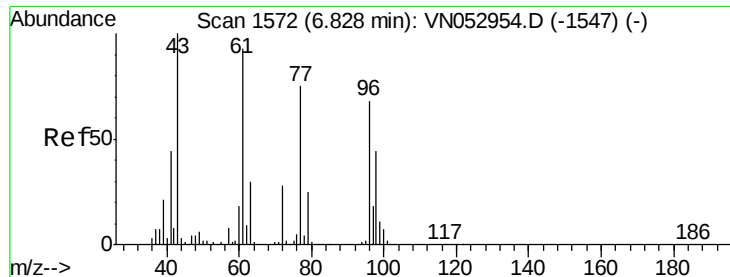
Tgt Ion: 77 Resp: 629970

Ion Ratio Lower Upper

77 100

97 24.1 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.420 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

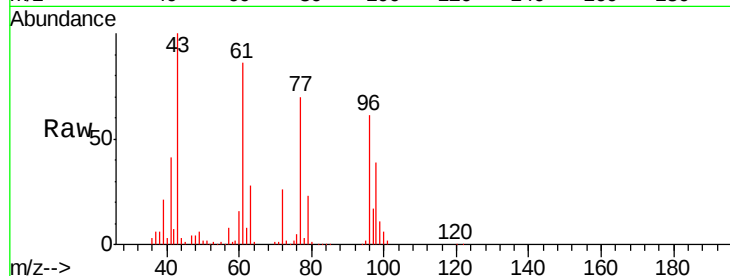
Tgt Ion: 96 Resp: 502980

Ion Ratio Lower Upper

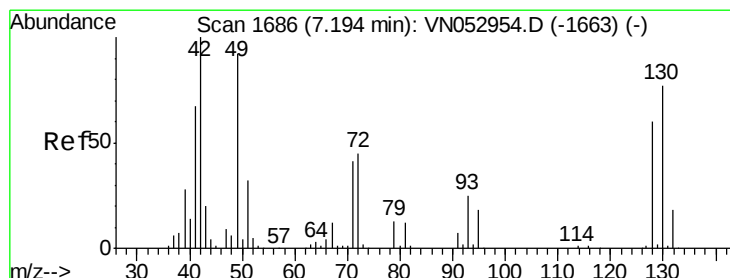
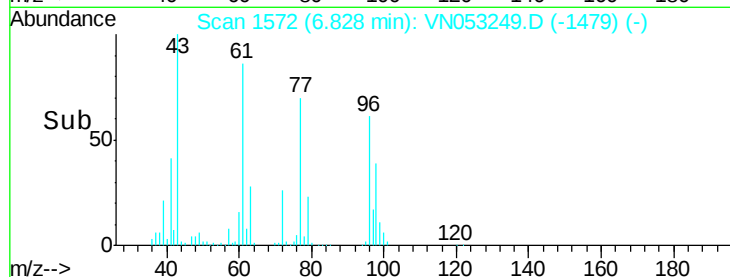
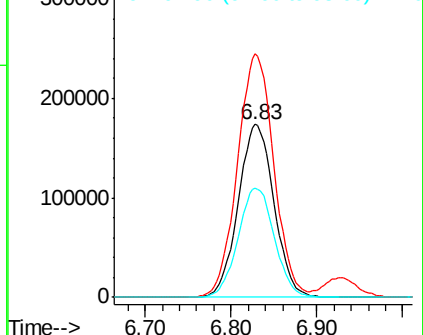
96 100

61 142.6 0.0 284.2

98 64.2 0.0 129.2



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



#28

Bromochloromethane

Concen: 53.324 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

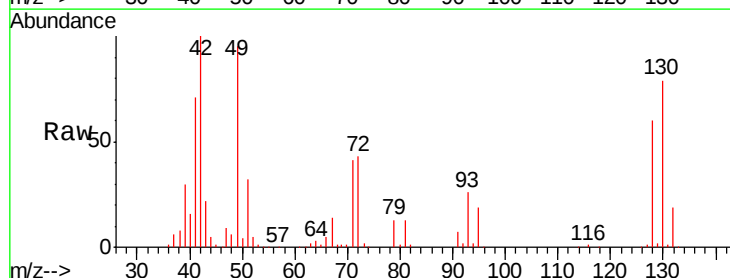
Tgt Ion: 49 Resp: 358107

Ion Ratio Lower Upper

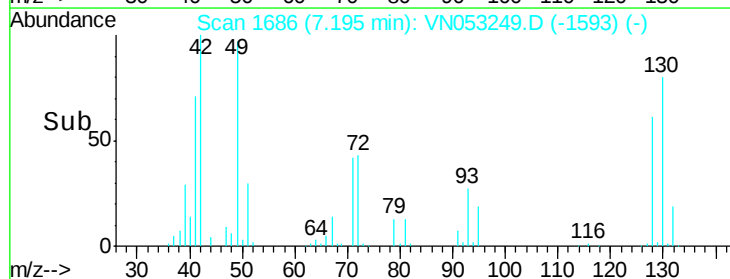
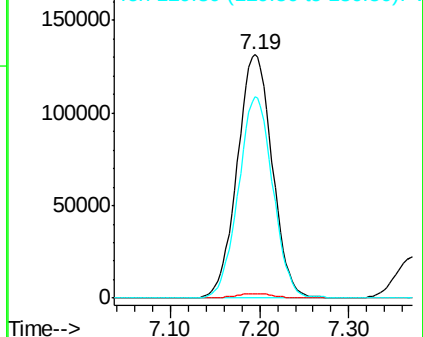
49 100

129 2.0 0.0 4.0

130 81.5 63.3 94.9



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

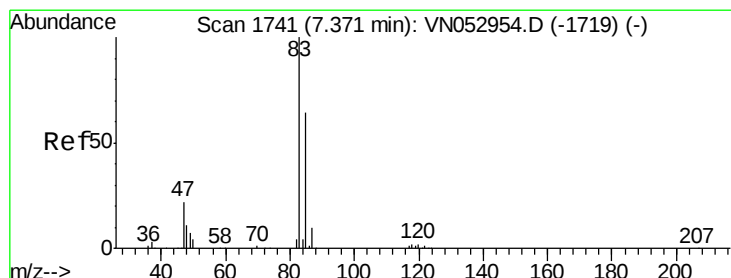
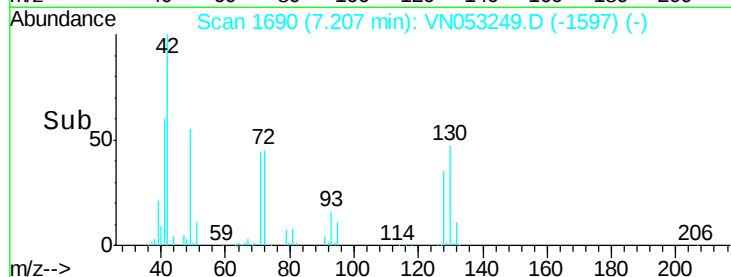
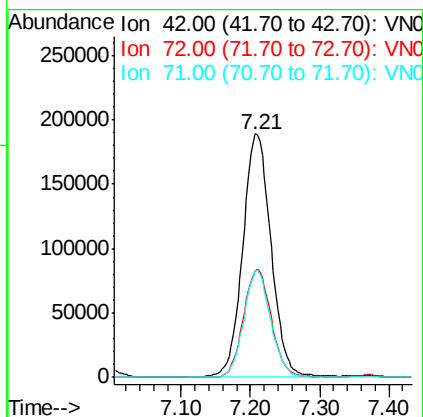
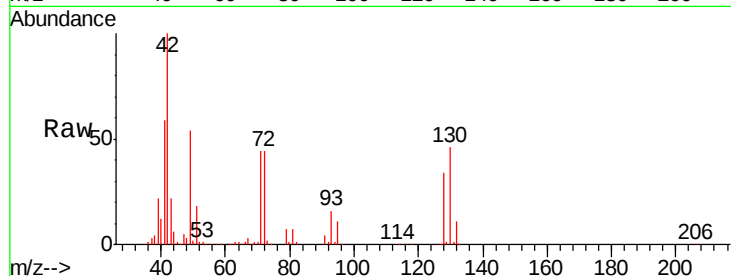




#29
Tetrahydrofuran
Concen: 260.247 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

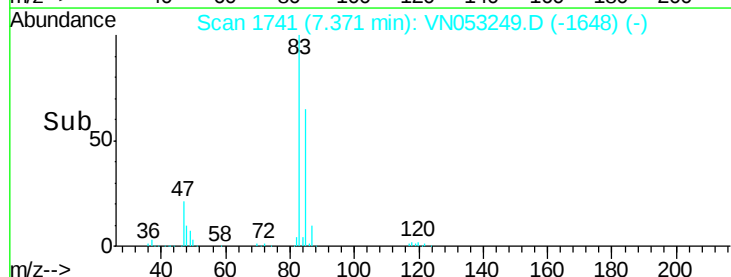
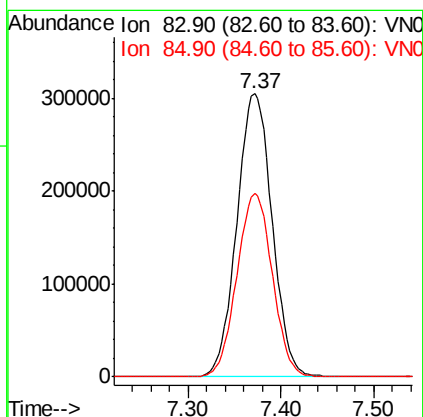
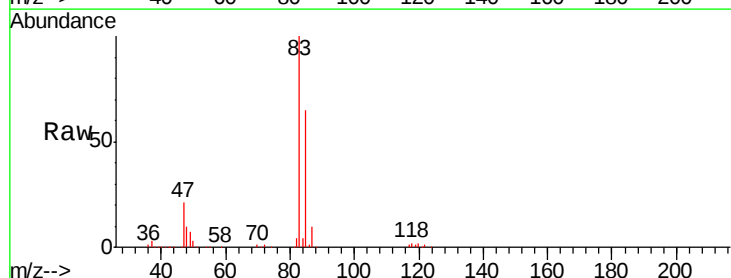
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 537174
Ion Ratio Lower Upper
42 100
72 43.6 34.7 52.1
71 41.6 32.3 48.5



#30
Chloroform
Concen: 52.963 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 83 Resp: 806351
Ion Ratio Lower Upper
83 100
85 64.8 52.1 78.1





#31

Cyclohexane

Concen: 50.059 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

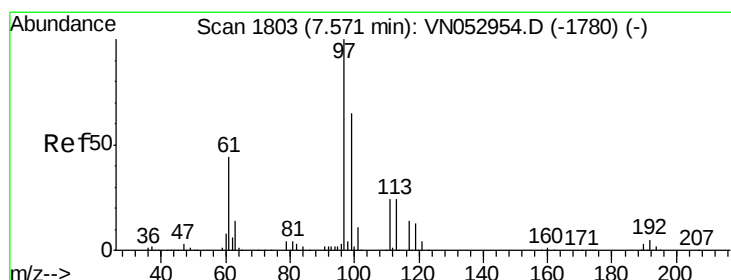
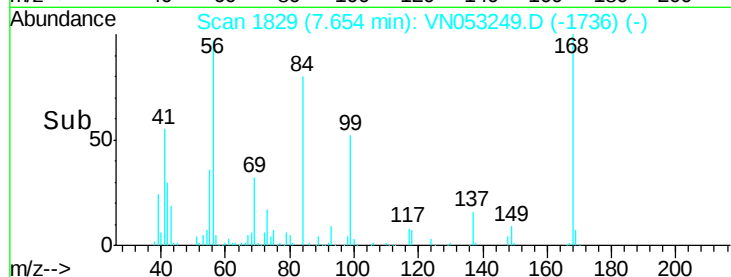
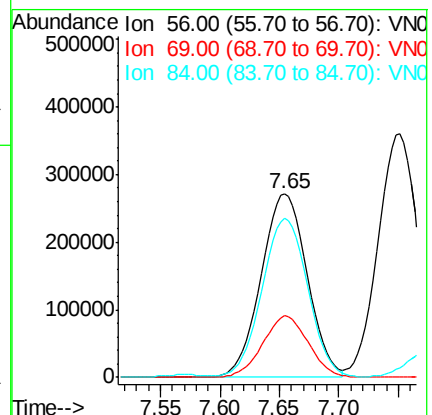
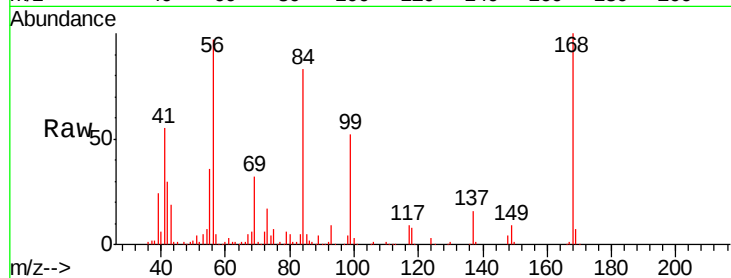
Tgt Ion: 56 Resp: 727617

Ion Ratio Lower Upper

56 100

69 33.4 26.6 39.8

84 85.0 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 51.773 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

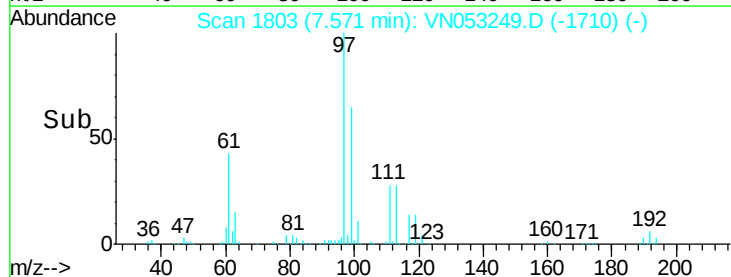
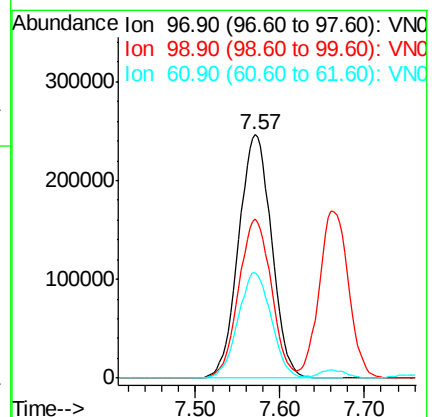
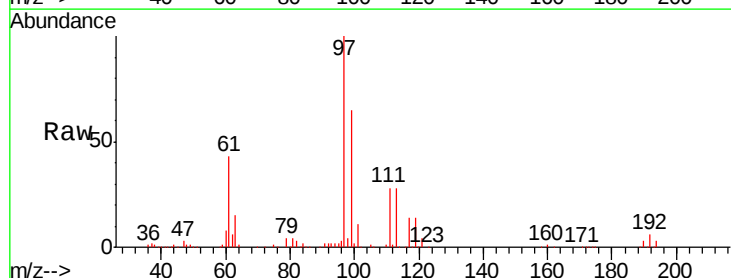
Tgt Ion: 97 Resp: 671477

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

61 43.5 35.0 52.6

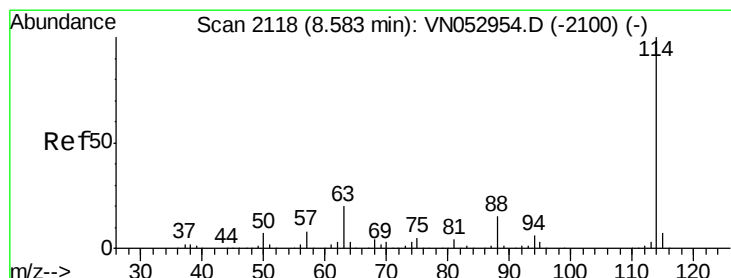
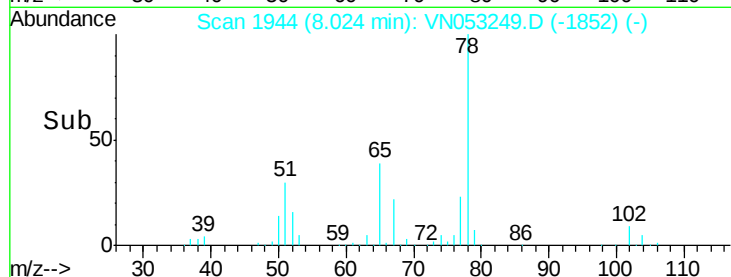
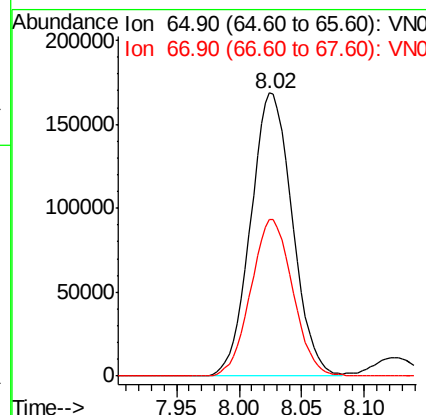
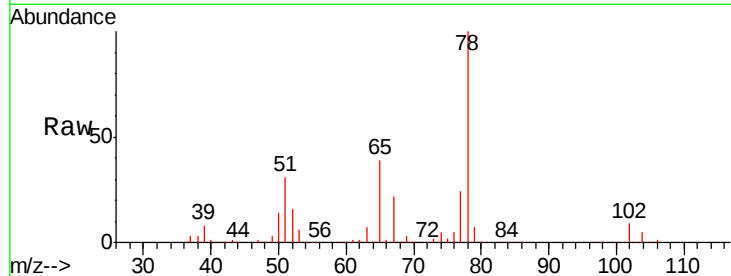




#33
 1,2-Dichloroethane-d4
 Concen: 51.773 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

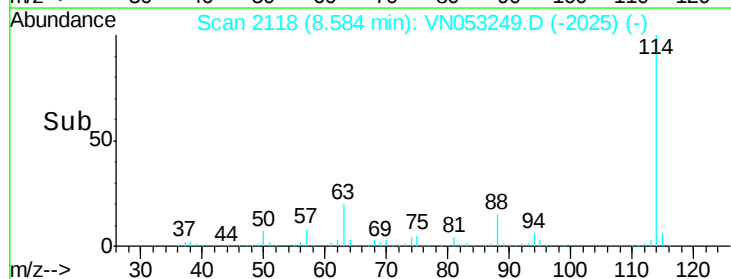
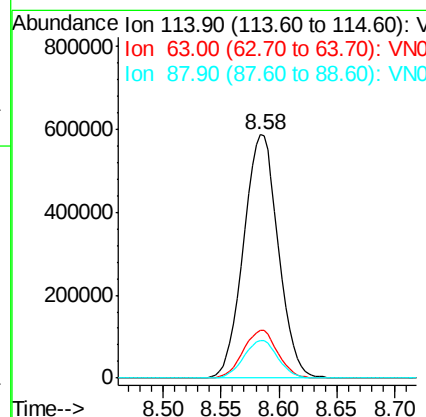
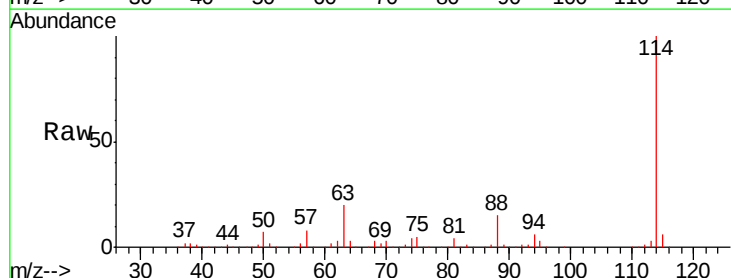
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

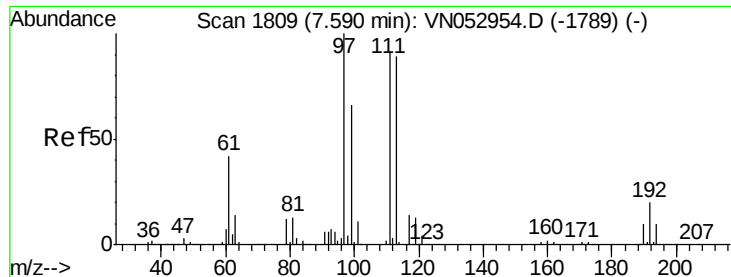
Tgt Ion: 65 Resp: 390312
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 114 Resp: 1221689
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.5 0.0 31.0

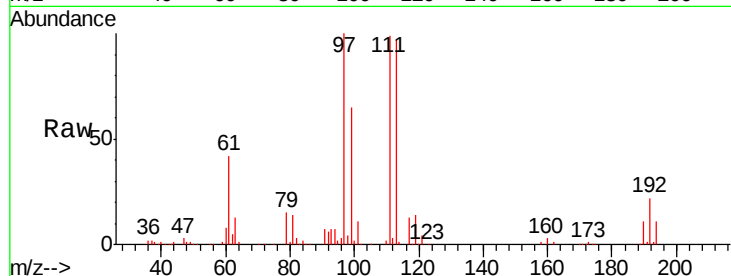




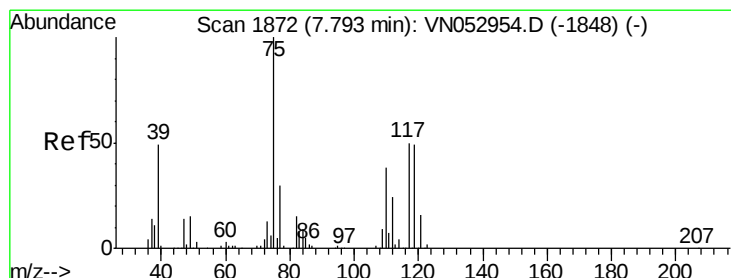
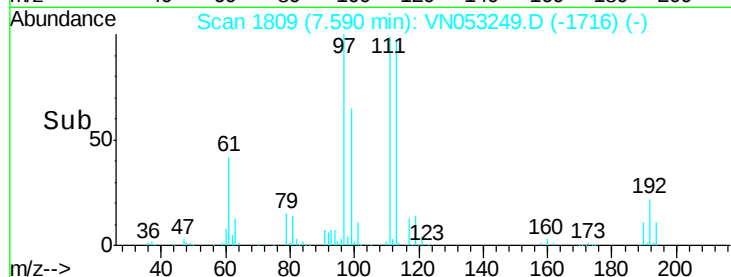
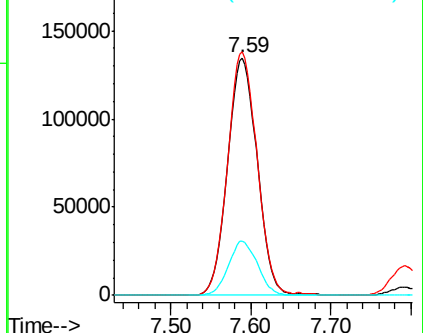
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.0	124.4
192	22.3	17.5	26.3

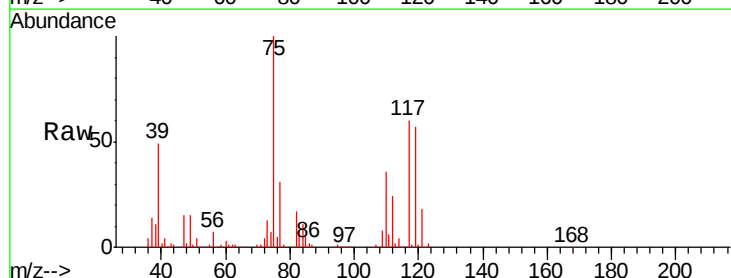


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

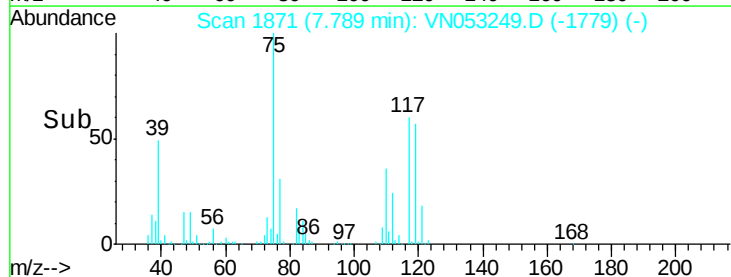
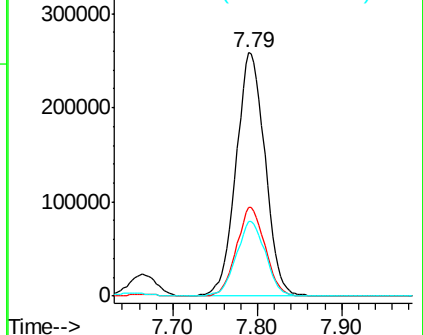


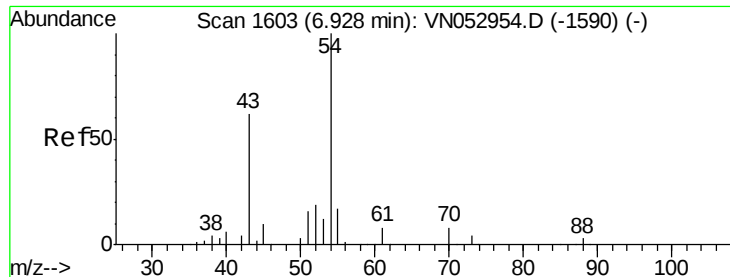
#36
1,1-Dichloropropene
Concen: 52.534 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.1	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

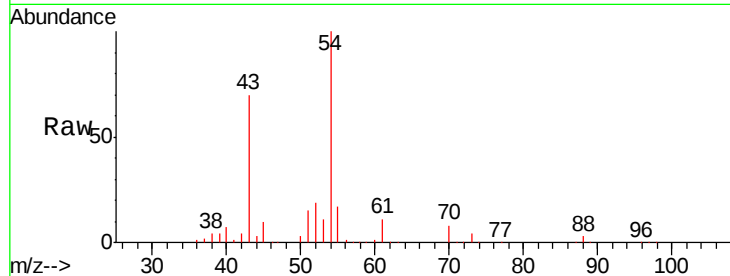




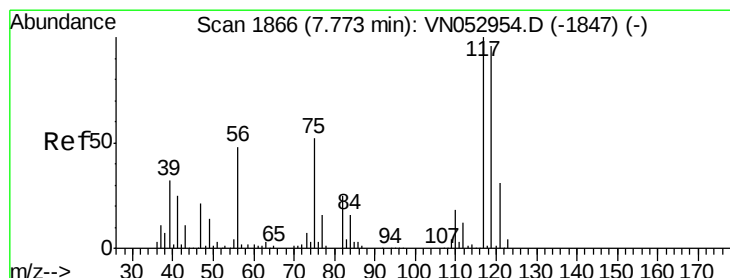
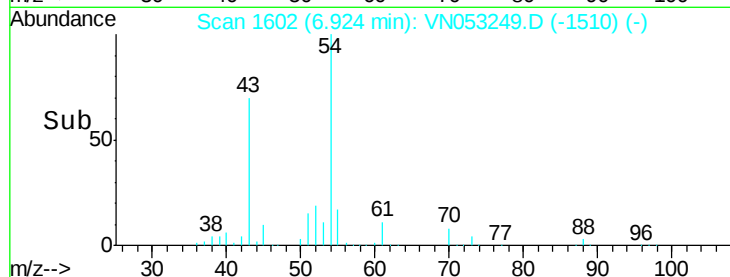
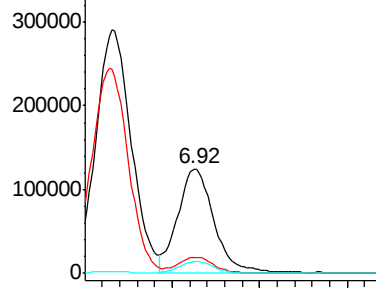
#37
Ethyl Acetate
Concen: 54.178 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 354654
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.0 8.4 12.6

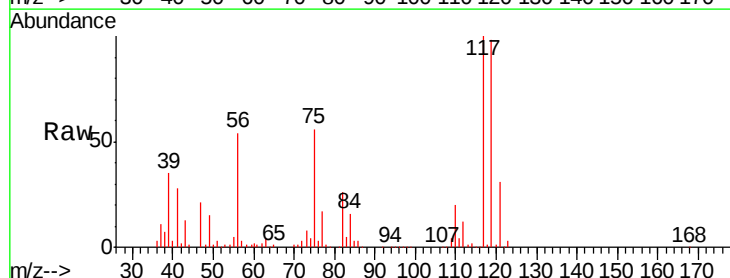


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1590) (-)
Ion 60.90 (60.60 to 61.60): VN052954.D (-1590) (-)
Ion 70.00 (69.70 to 70.70): VN052954.D (-1590) (-)

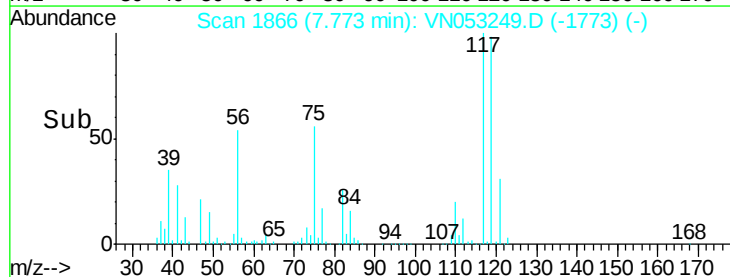
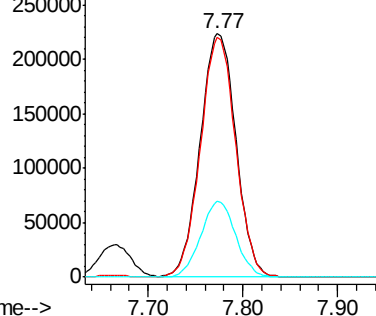


#38
Carbon Tetrachloride
Concen: 54.521 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 117 Resp: 585991
Ion Ratio Lower Upper
117 100
119 98.3 77.1 115.7
121 31.0 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): VN052954.D (-1847) (-)
Ion 118.80 (118.50 to 119.50): VN052954.D (-1847) (-)
Ion 120.80 (120.50 to 121.50): VN052954.D (-1847) (-)

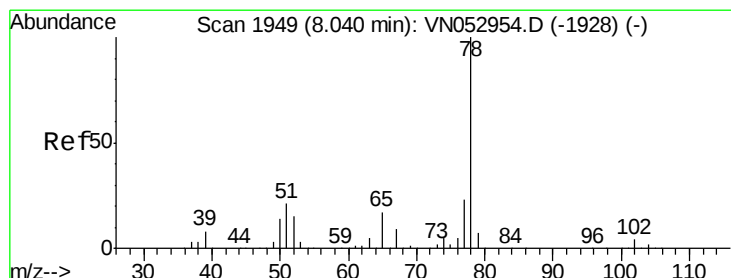
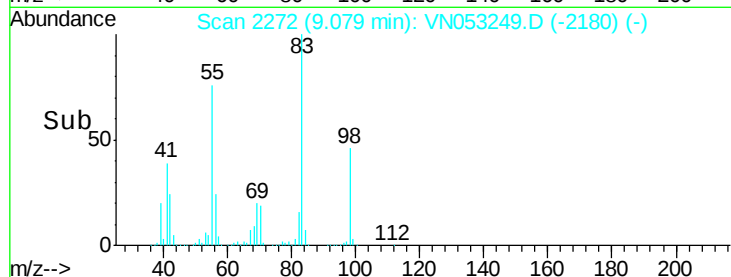
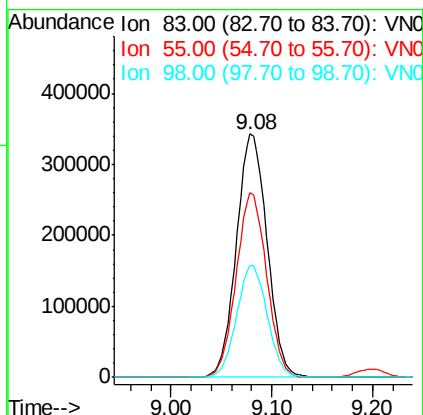
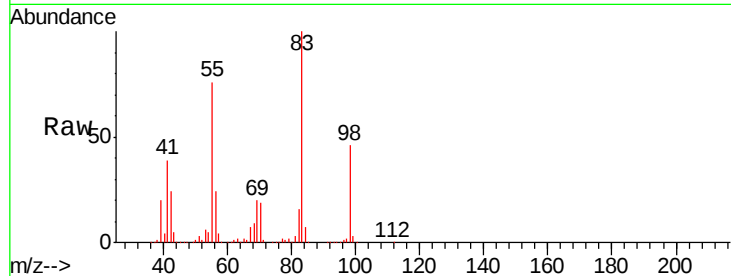




#39
Methylcyclohexane
Concen: 50.690 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

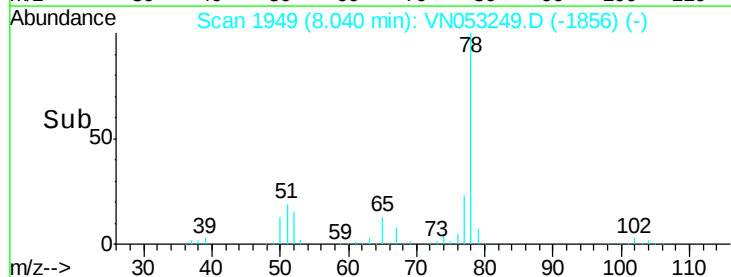
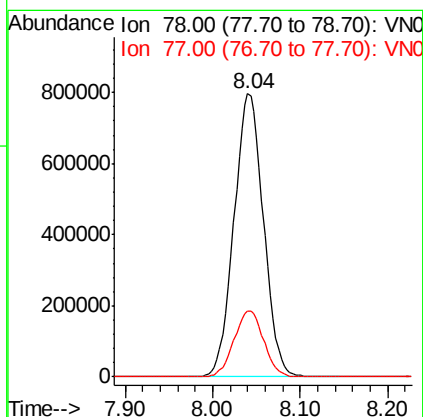
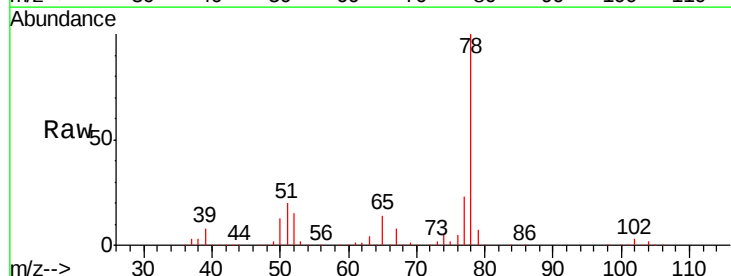
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

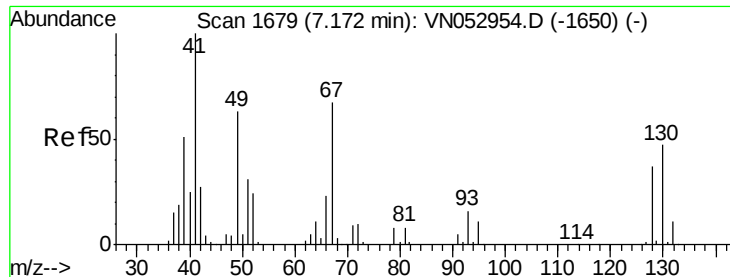
Tgt Ion: 83 Resp: 722076
Ion Ratio Lower Upper
83 100
55 75.7 61.3 91.9
98 46.0 37.0 55.4



#40
Benzene
Concen: 53.378 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 78 Resp: 1861783
Ion Ratio Lower Upper
78 100
77 23.1 18.5 27.7

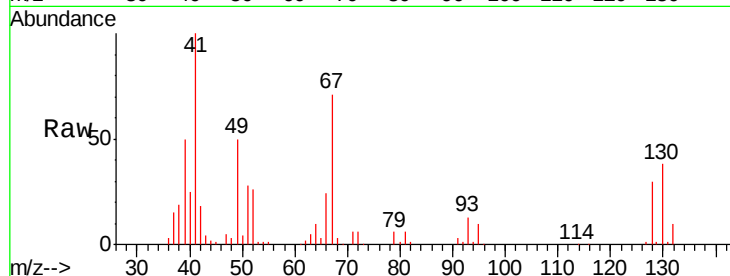




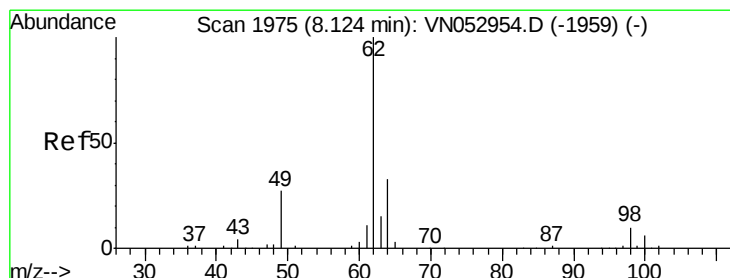
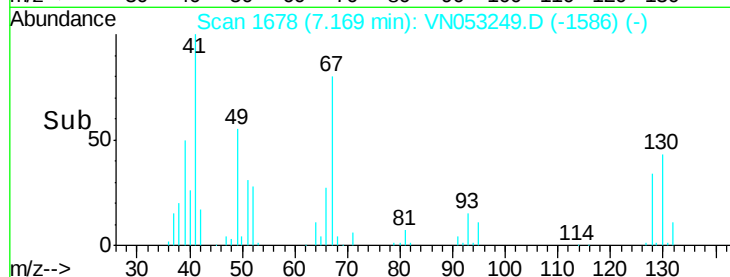
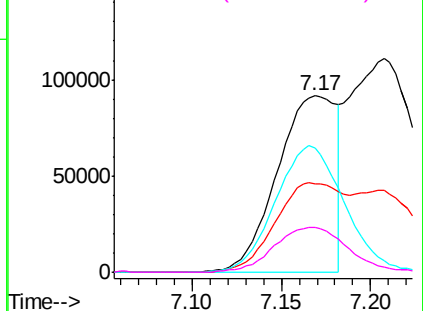
#41
Methacrylonitrile
Concen: 55.551 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 210110
Ion Ratio Lower Upper
41 100
39 59.2 48.0 72.0
67 84.6 70.3 105.5
52 32.1 26.9 40.3

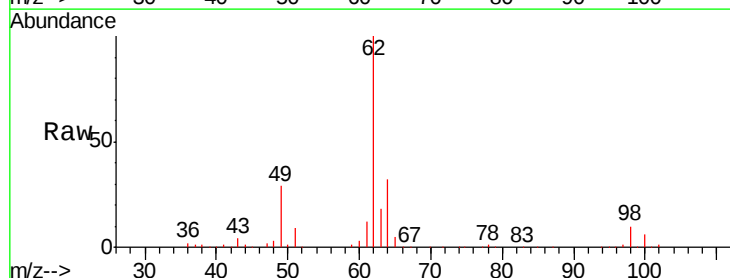


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

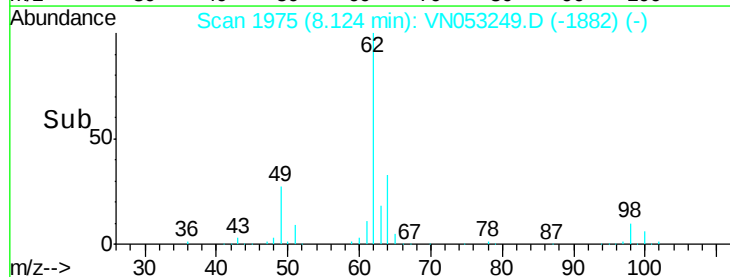
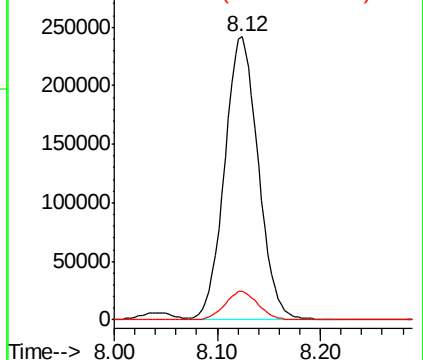


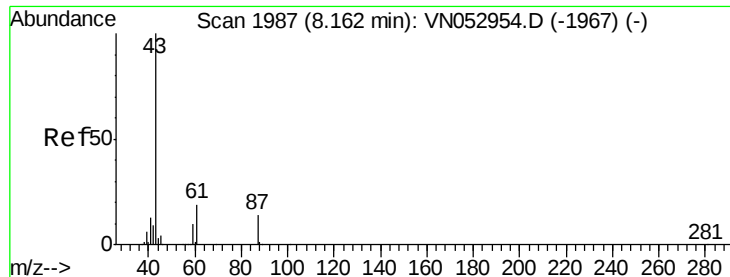
#42
1,2-Dichloroethane
Concen: 53.225 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 62 Resp: 548427
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 51.577 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

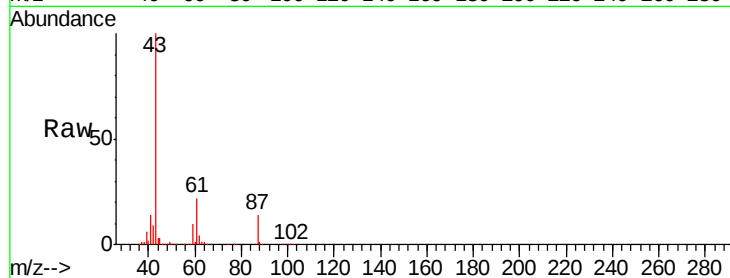
Tgt Ion: 43 Resp: 652957

Ion Ratio Lower Upper

43 100

61 30.6 22.9 34.3

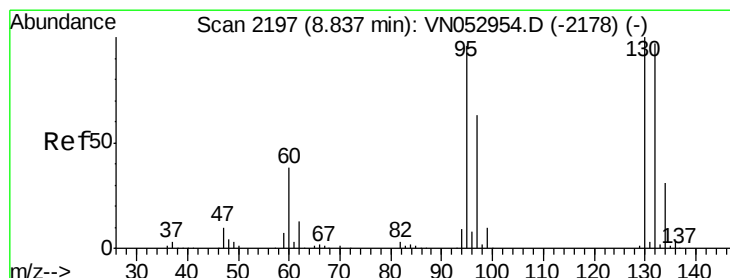
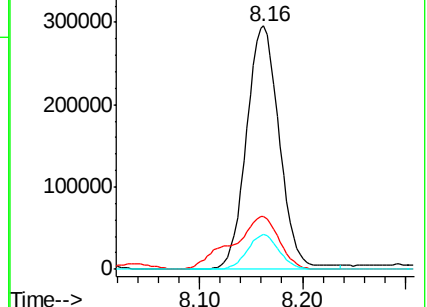
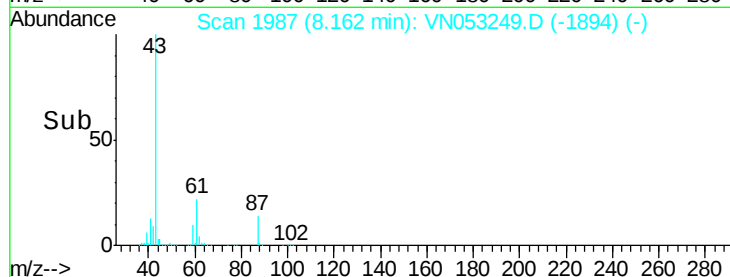
87 13.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053249.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053249.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053249.D (-1894) (-)



#44

Trichloroethene

Concen: 49.920 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053249.D

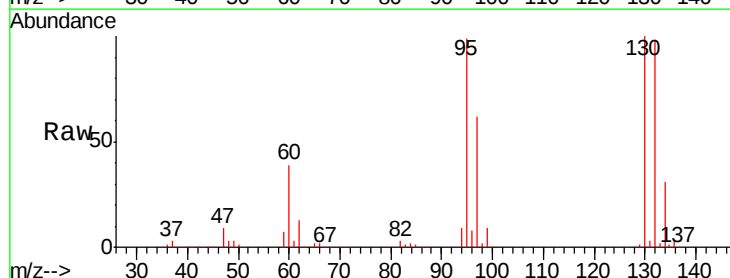
Acq: 3 Jan 2019 9:07

Tgt Ion: 130 Resp: 503613

Ion Ratio Lower Upper

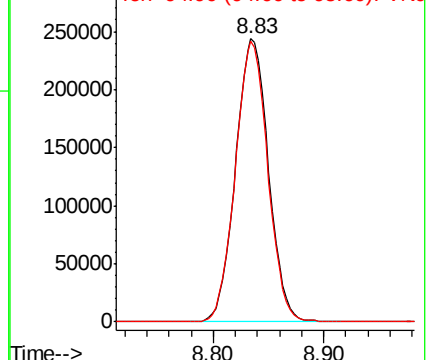
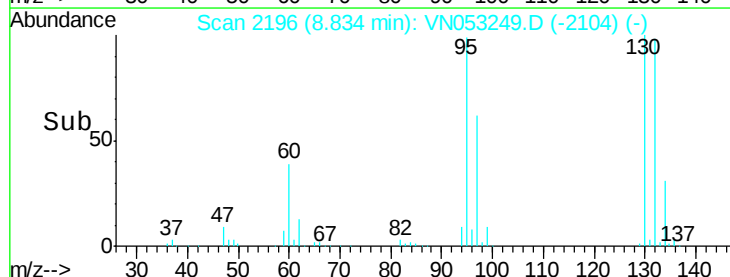
130 100

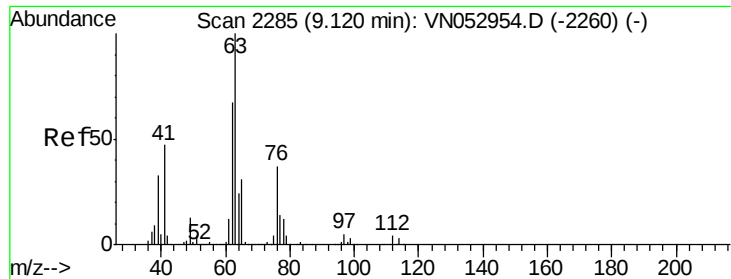
95 99.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053249.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053249.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 55.672 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampled :

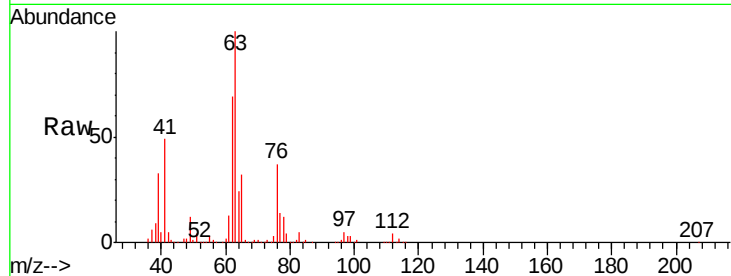
VSTDCCC050

Tgt Ion: 63 Resp: 505782

Ion Ratio Lower Upper

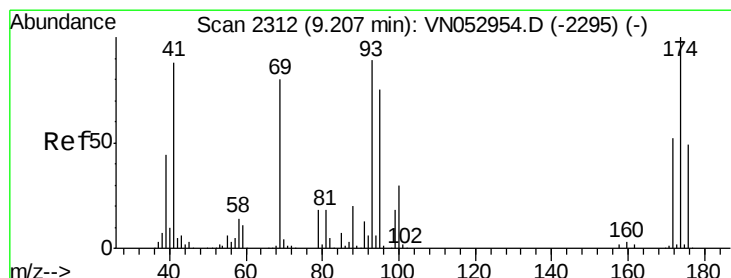
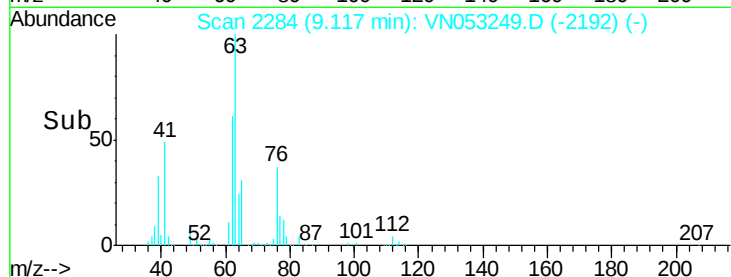
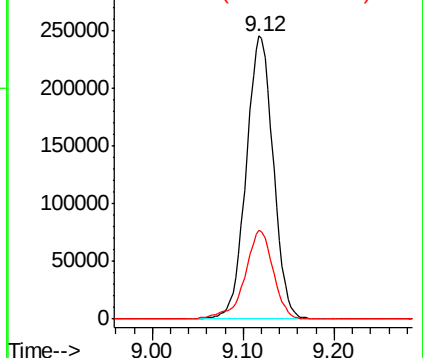
63 100

65 31.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 52.953 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

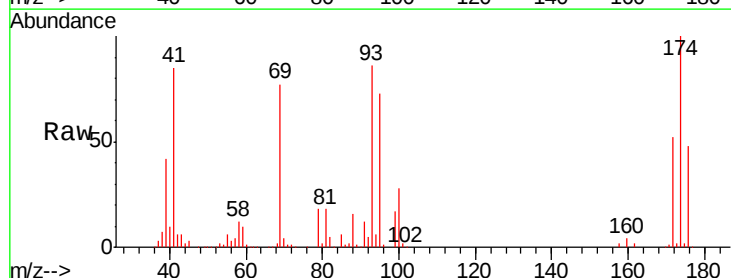
Tgt Ion: 93 Resp: 280248

Ion Ratio Lower Upper

93 100

95 84.4 67.8 101.6

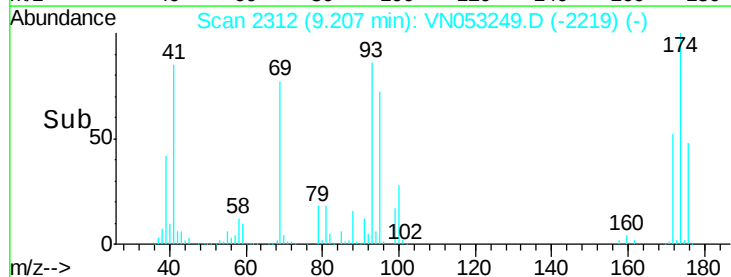
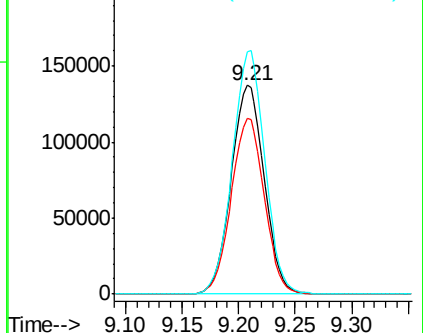
174 114.4 89.0 133.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

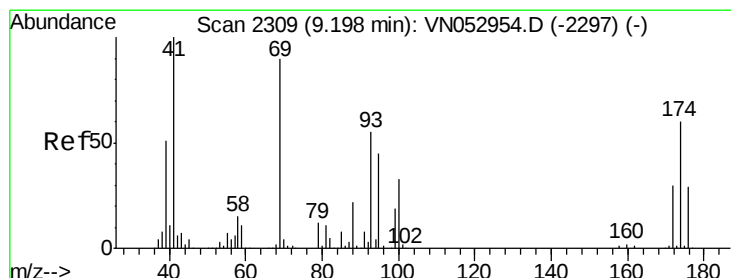
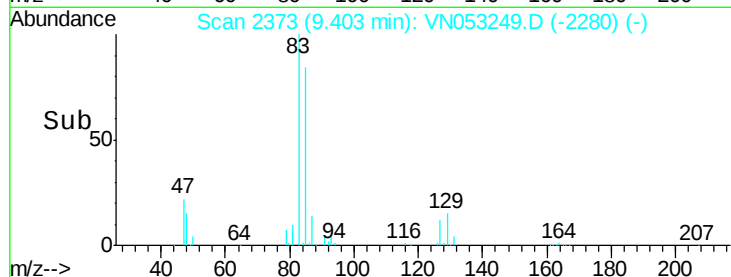
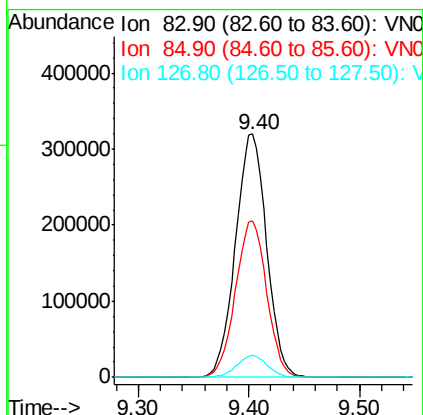
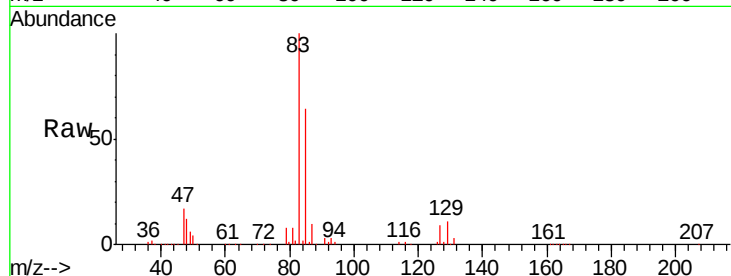




#47
 Bromodichloromethane
 Concen: 55.615 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

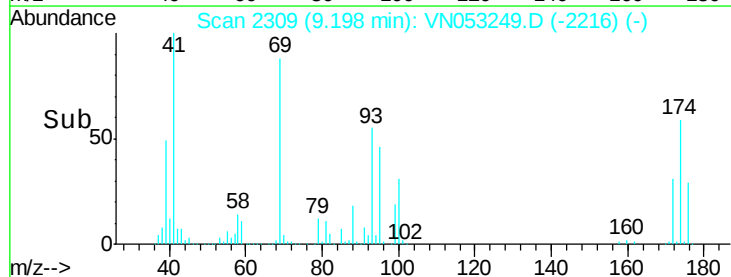
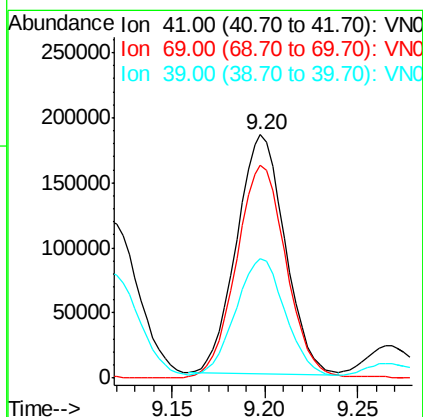
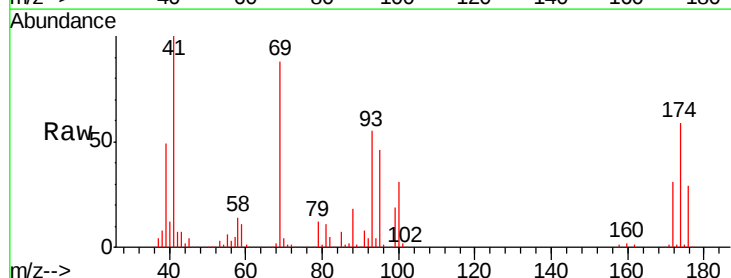
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

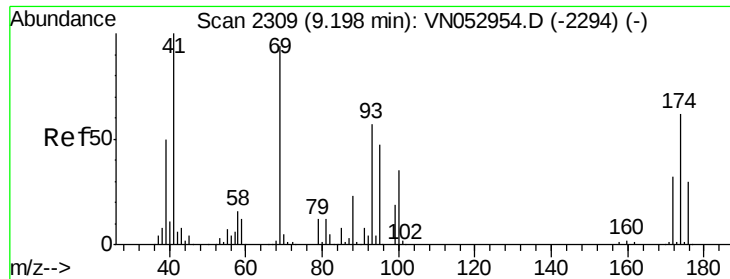
Tgt Ion: 83 Resp: 625663
 Ion Ratio Lower Upper
 83 100
 85 64.1 51.6 77.4
 127 9.0 7.1 10.7



#48
 Methyl methacrylate
 Concen: 52.734 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 41 Resp: 334970
 Ion Ratio Lower Upper
 41 100
 69 91.2 72.2 108.2
 39 52.0 41.9 62.9

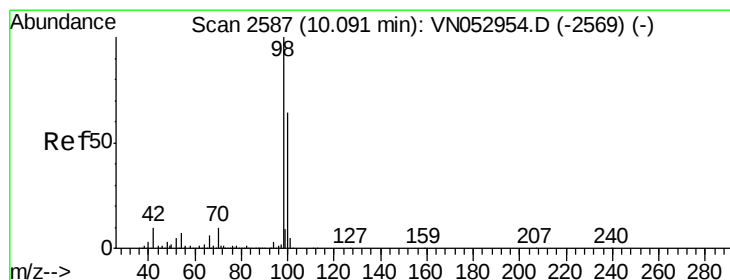
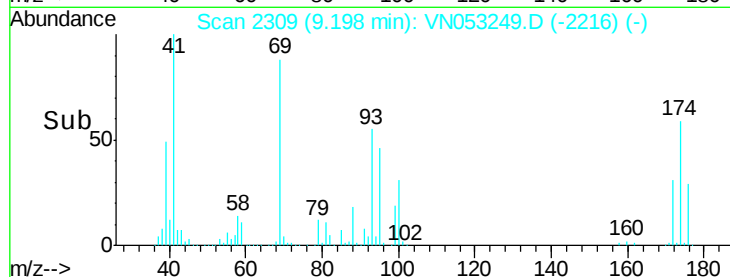
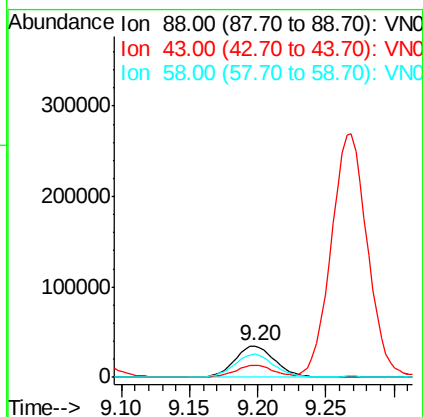
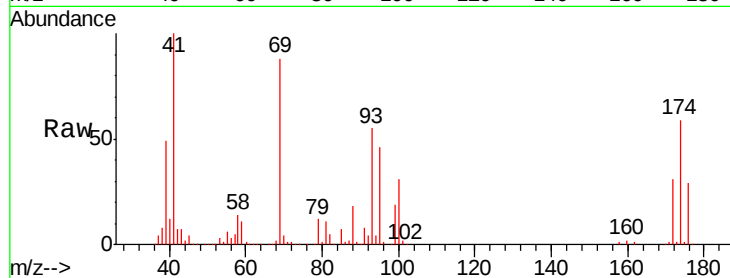




#49
 1,4-Dioxane
 Concen: 886.516 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

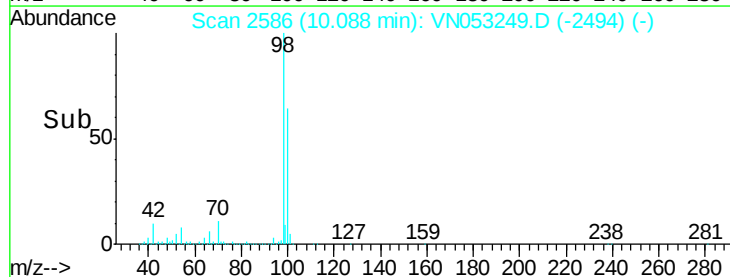
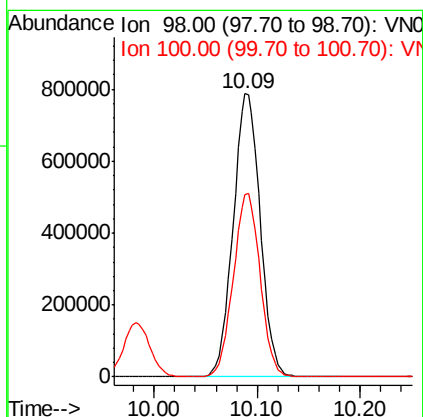
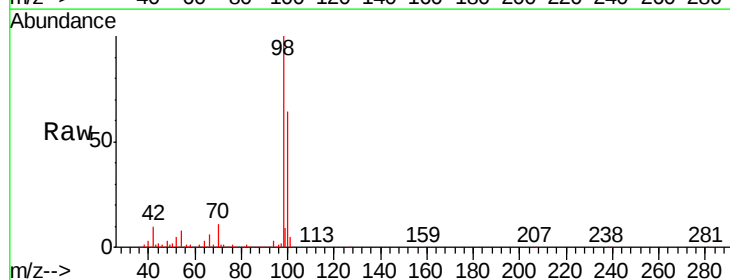
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

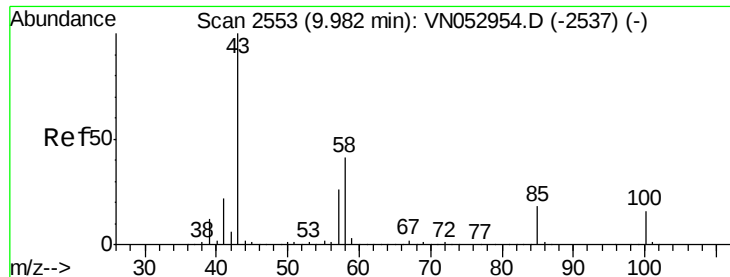
Tgt Ion: 88 Resp: 71233
 Ion Ratio Lower Upper
 88 100
 43 34.7 26.6 40.0
 58 72.2 58.4 87.6



#50
 Toluene-d8
 Concen: 886.516 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 98 Resp: 1438971
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 277.445 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

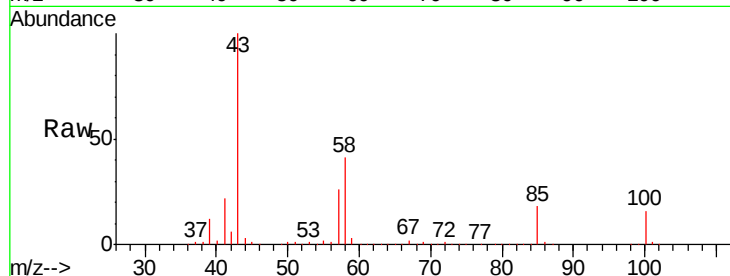
VSTDCCC050

Tgt Ion: 43 Resp: 1758824

Ion Ratio Lower Upper

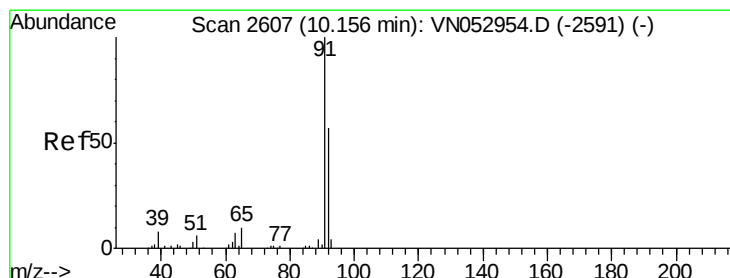
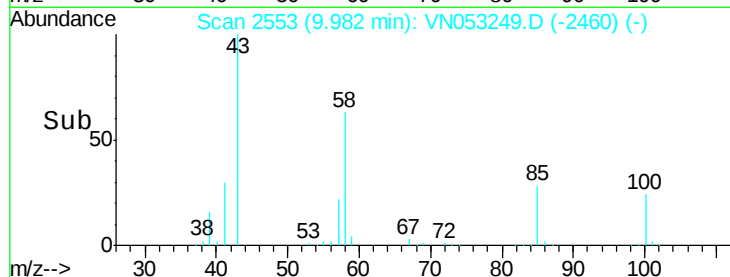
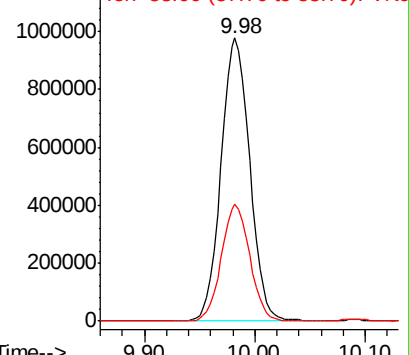
43 100

58 40.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.897 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053249.D

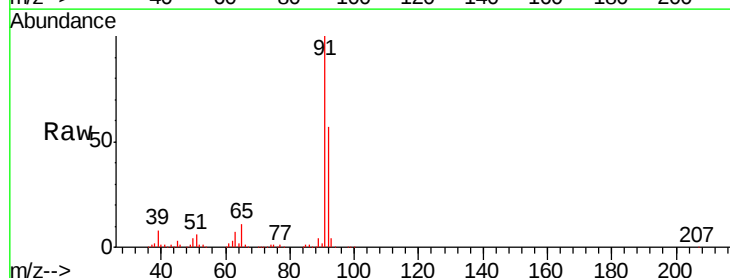
Acq: 3 Jan 2019 9:07

Tgt Ion: 92 Resp: 1165200

Ion Ratio Lower Upper

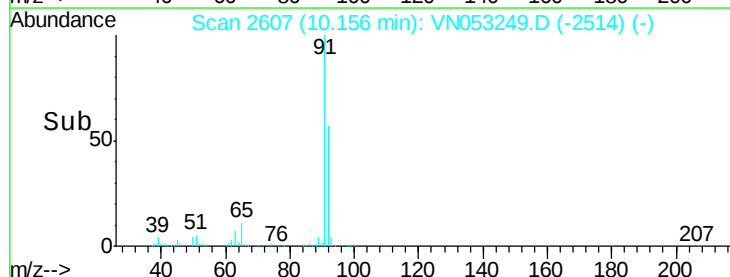
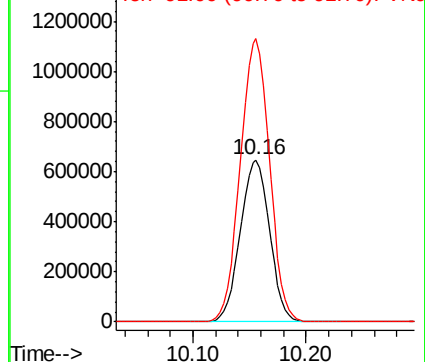
92 100

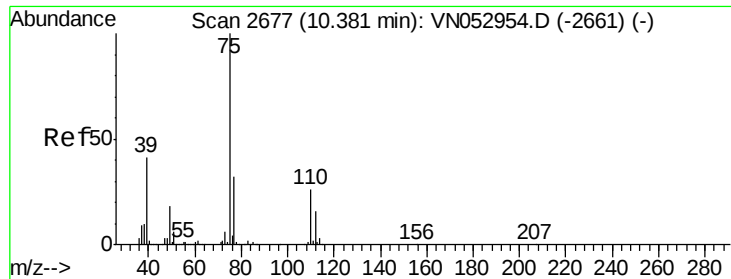
91 175.6 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 53.756 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

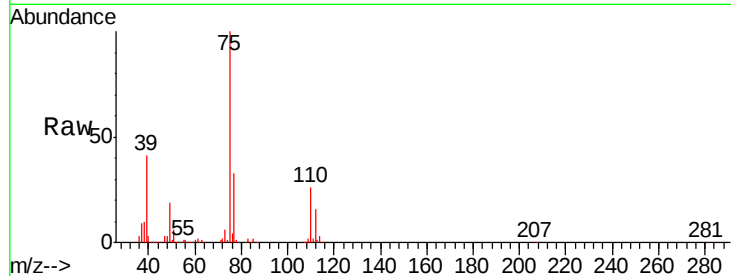
VSTDCCC050

Tgt Ion: 75 Resp: 635913

Ion Ratio Lower Upper

75 100

77 32.5 25.6 38.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

400000

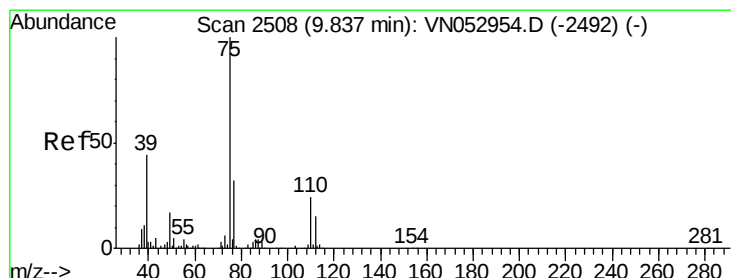
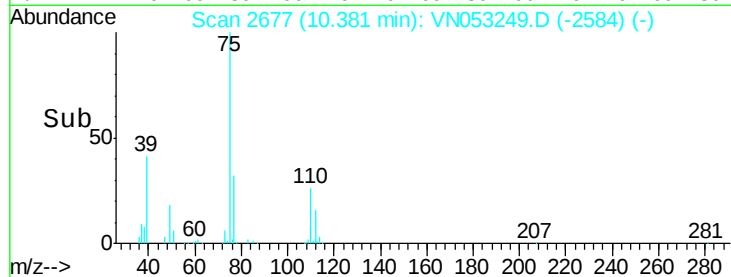
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 55.294 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

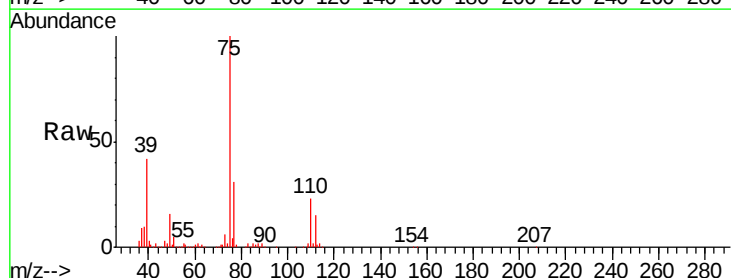
Tgt Ion: 75 Resp: 750811

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.8

39 41.8 34.8 52.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

500000

400000

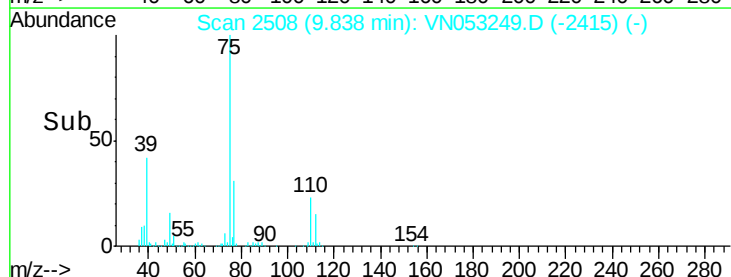
300000

200000

100000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 54.903 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 414091

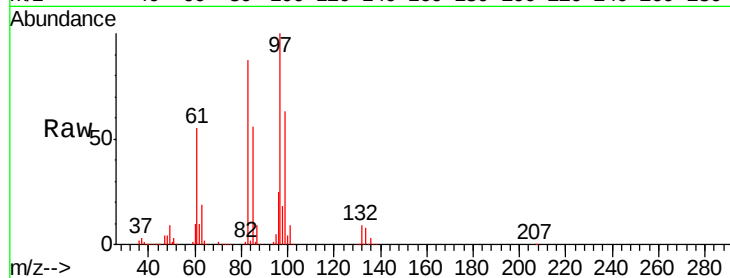
Ion Ratio Lower Upper

97 100

83 86.8 70.9 106.3

85 56.0 45.4 68.2

99 62.5 50.4 75.6

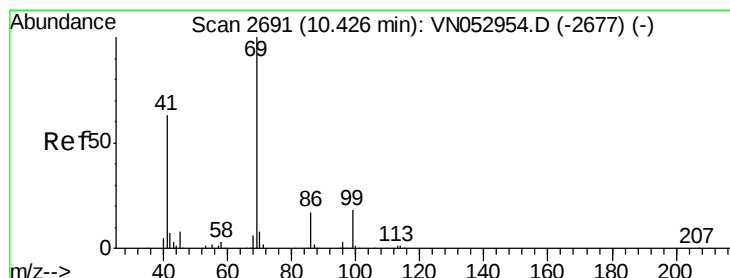
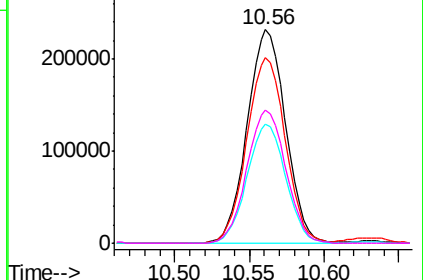
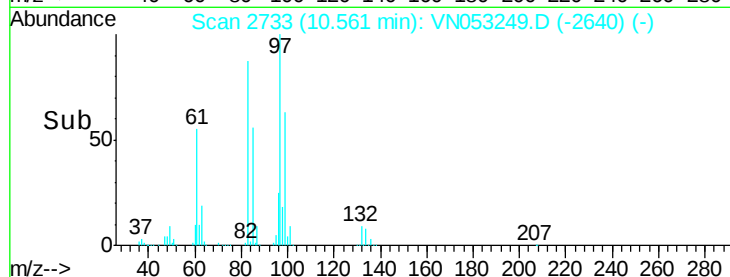


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 54.129 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

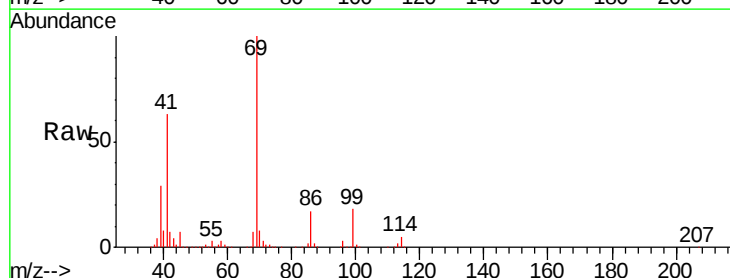
Tgt Ion: 69 Resp: 540361

Ion Ratio Lower Upper

69 100

41 62.6 51.7 77.5

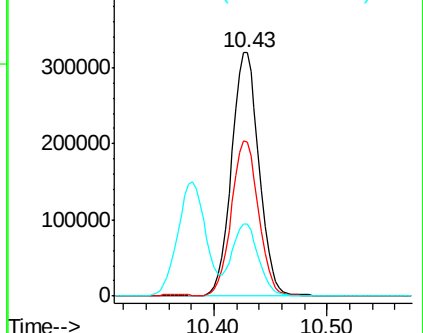
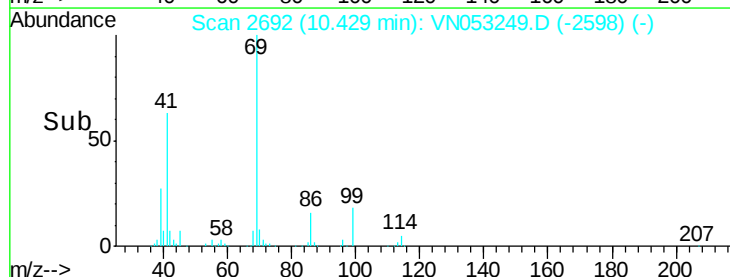
39 28.6 24.6 37.0



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

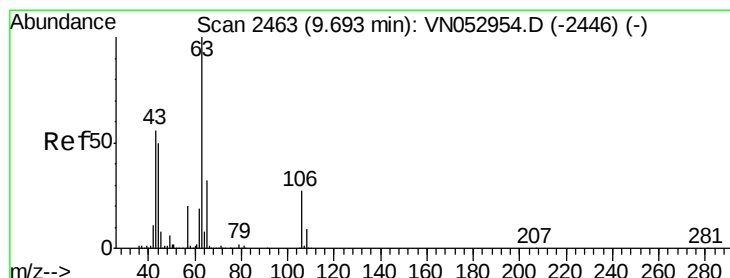
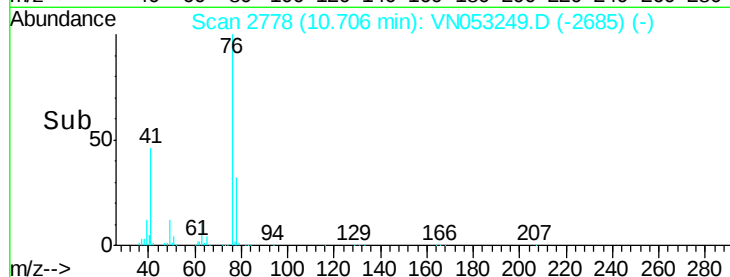
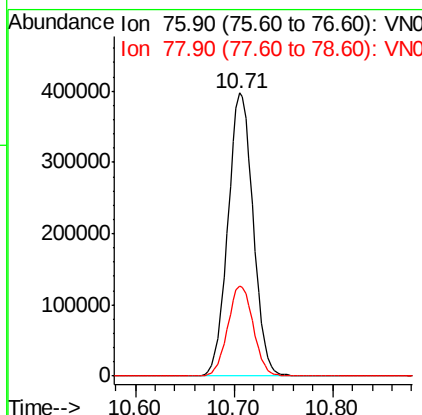
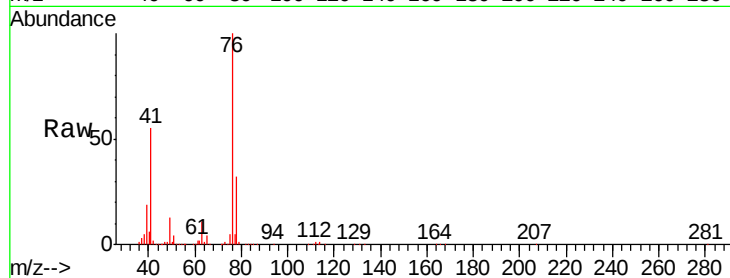




#57
 1,3-Dichloropropane
 Concen: 54.902 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

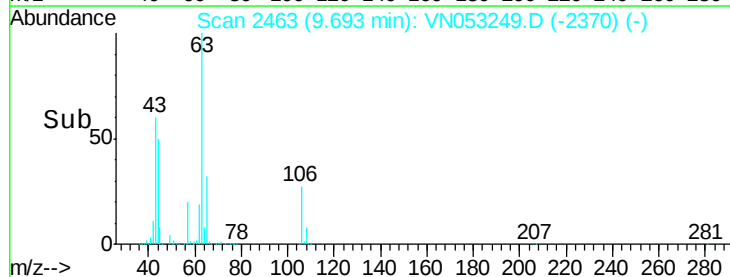
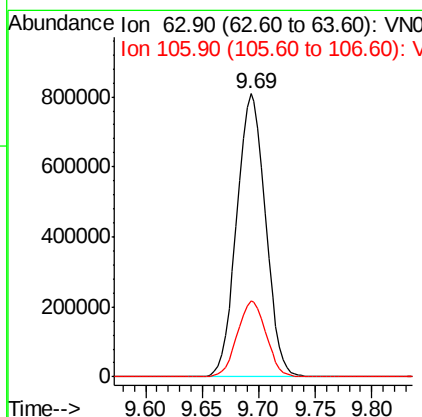
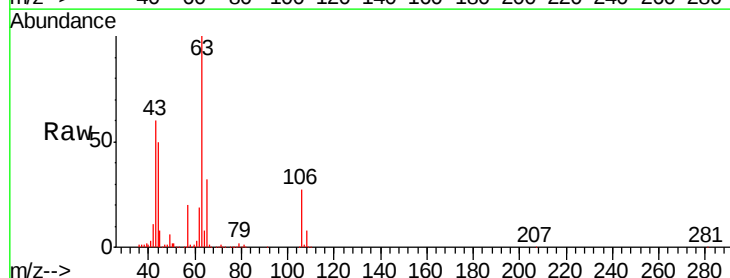
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

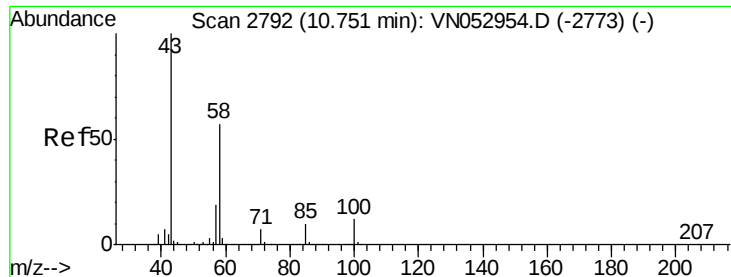
Tgt Ion: 76 Resp: 710080
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.689 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 63 Resp: 1439676
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6

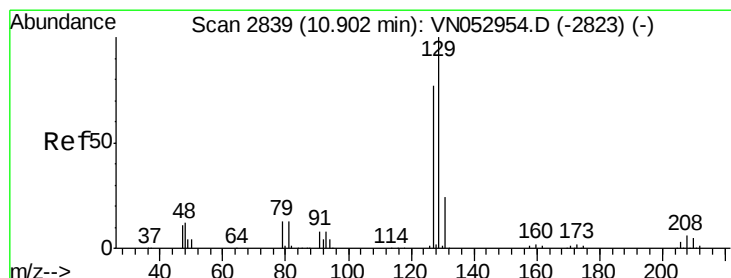
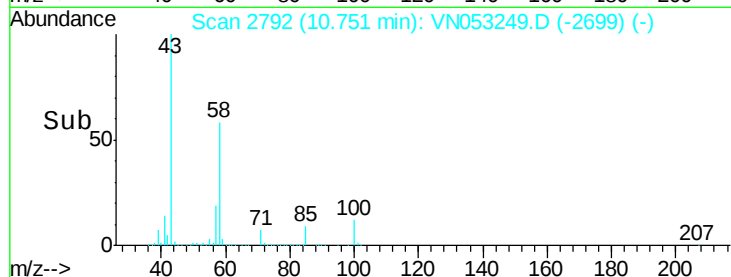
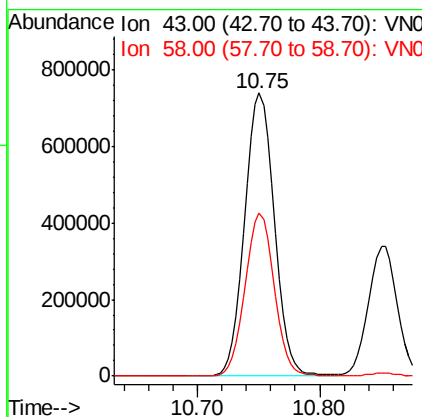
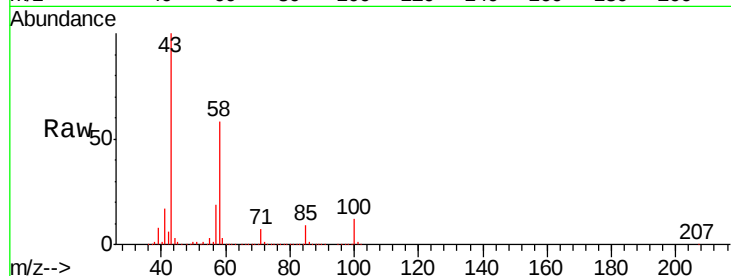




#59
2-Hexanone
Concen: 287.911 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

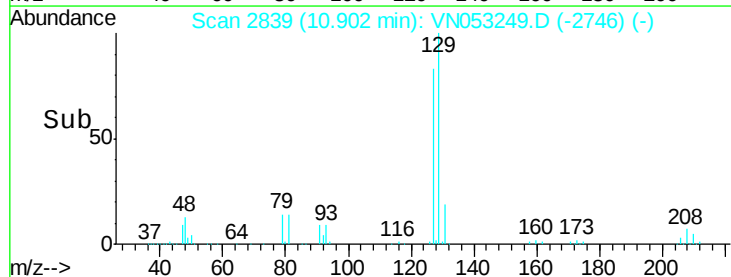
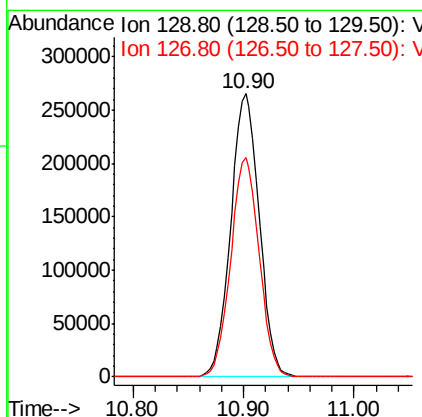
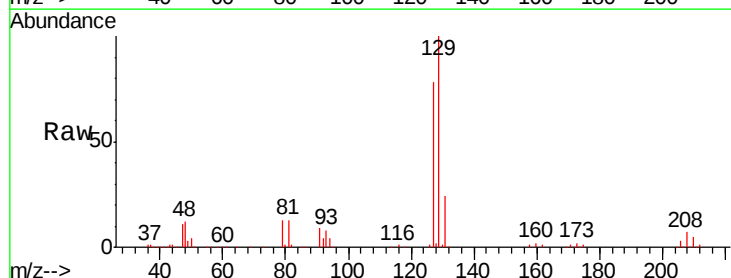
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1234878
Ion Ratio Lower Upper
43 100
58 56.7 28.1 84.3



#60
Dibromochloromethane
Concen: 55.115 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion: 129 Resp: 475828
Ion Ratio Lower Upper
129 100
127 77.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.236 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

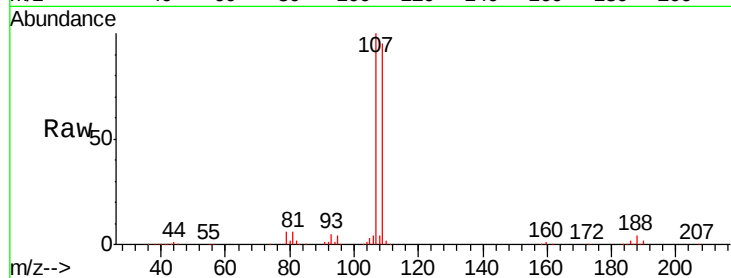
VSTDCCC050

Tgt Ion: 107 Resp: 407785

Ion Ratio Lower Upper

107 100

109 94.8 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

250000

200000

150000

100000

50000

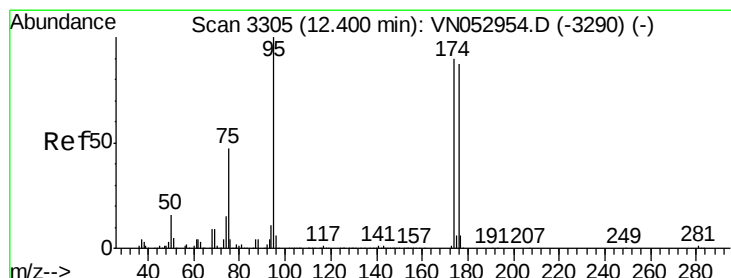
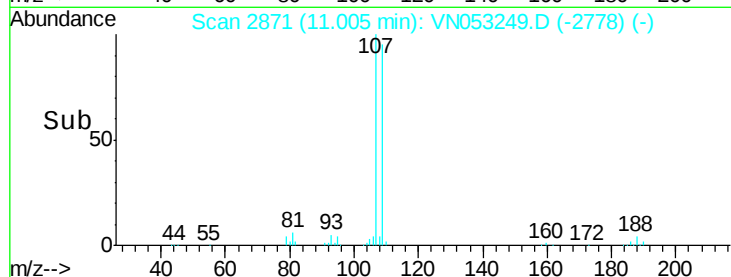
0

11.00

10.90

11.10

Time-->



#62

4-Bromofluorobenzene

Concen: 53.236 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

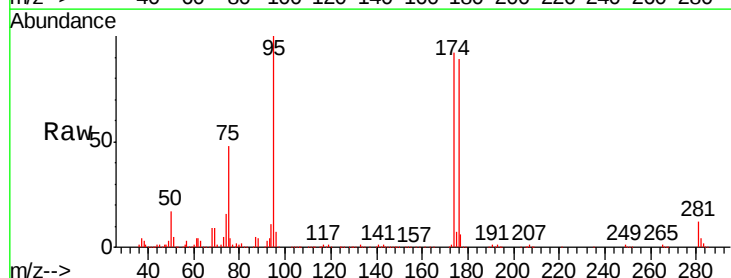
Tgt Ion: 95 Resp: 509707

Ion Ratio Lower Upper

95 100

174 90.9 0.0 178.8

176 89.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

200000

100000

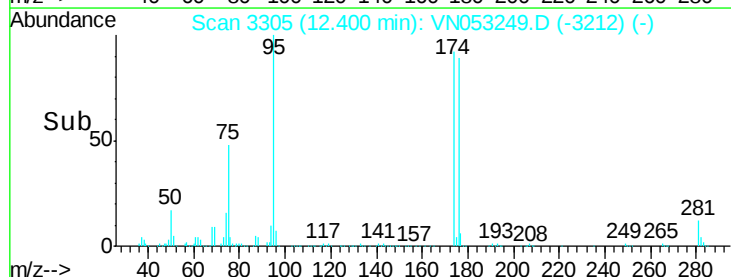
0

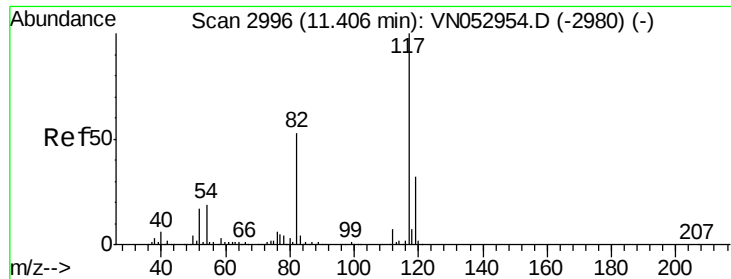
12.40

12.35

12.45

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

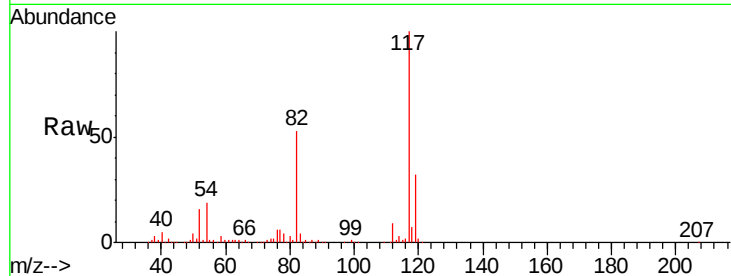
Tgt Ion:117 Resp: 1104943

Ion Ratio Lower Upper

117 100

82 53.2 42.8 64.2

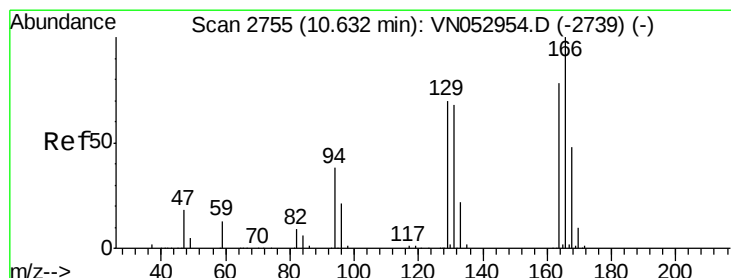
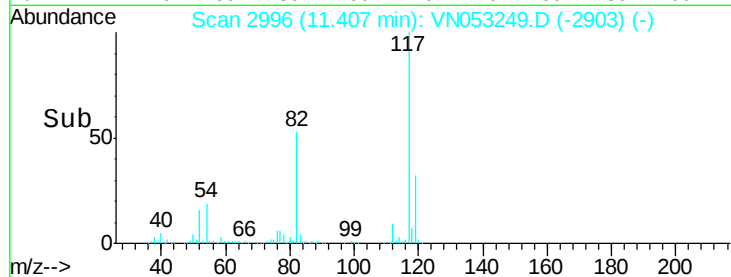
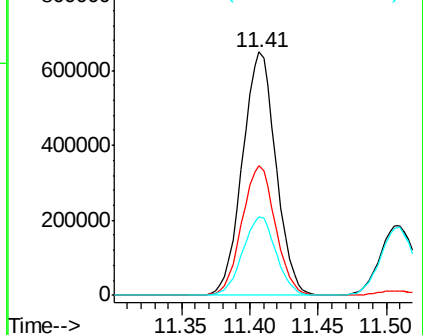
119 32.1 25.5 38.3



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: 44.156 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tgt Ion:164 Resp: 528504

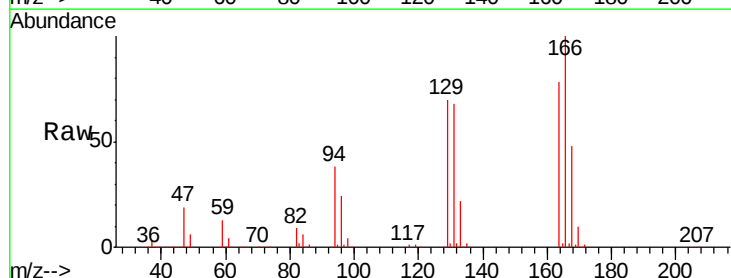
Ion Ratio Lower Upper

164 100

166 128.0 102.9 154.3

129 89.5 73.7 110.5

131 86.7 70.7 106.1

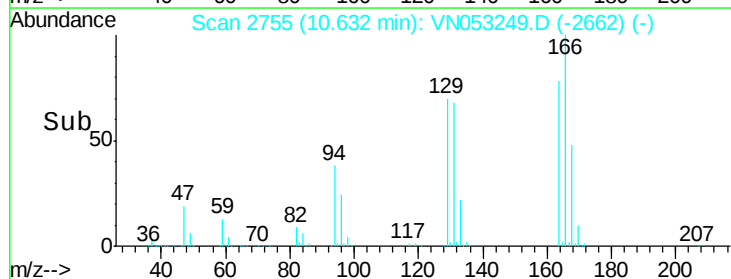
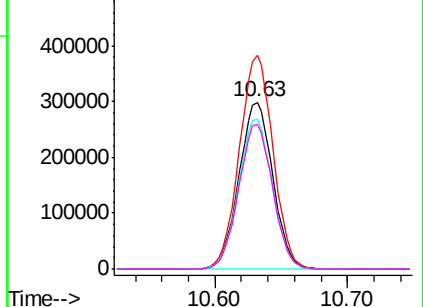


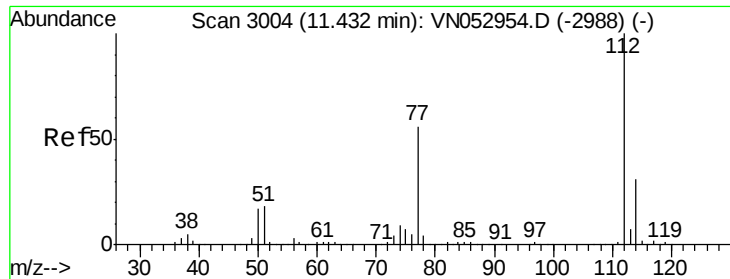
Abundance Ion 163.80 (163.50 to 164.50): V

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

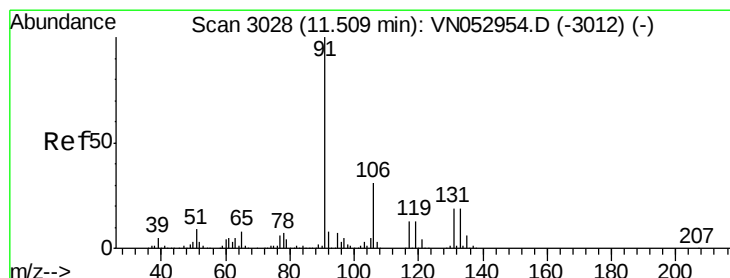
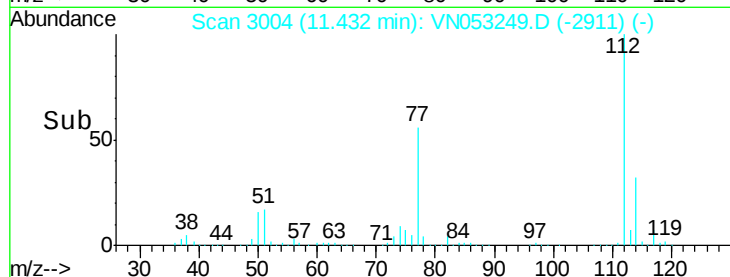
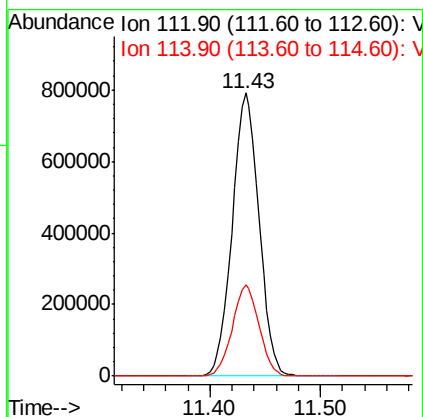
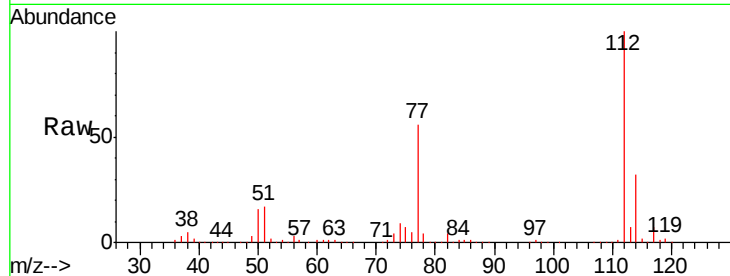




#65
Chlorobenzene
Concen: 54.360 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

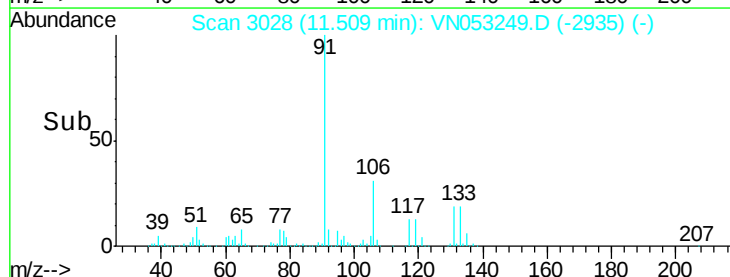
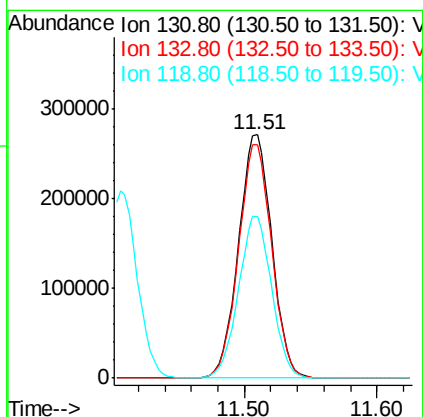
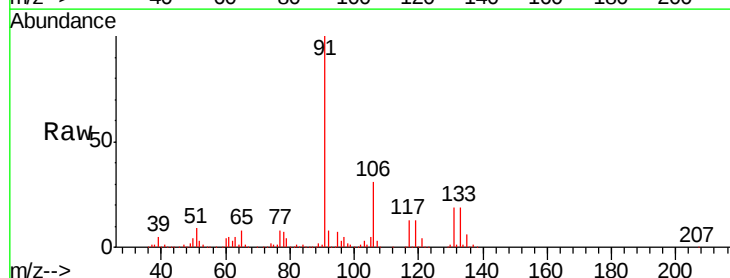
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

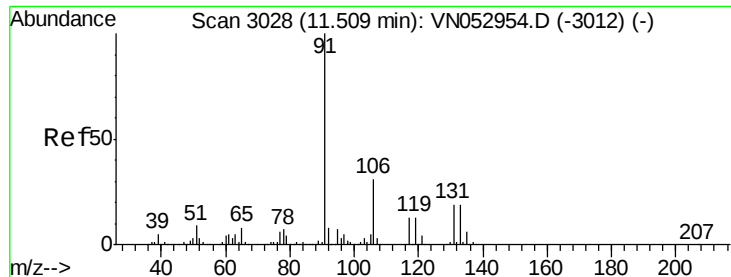
Tgt Ion:112 Resp: 1331465
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 55.571 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion:131 Resp: 473330
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 66.1 33.3 99.8





#67

Ethyl Benzene

Concen: 54.512 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

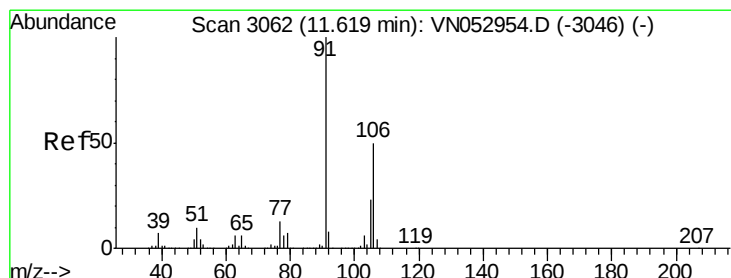
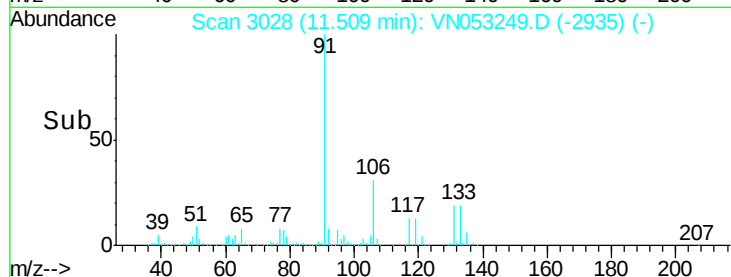
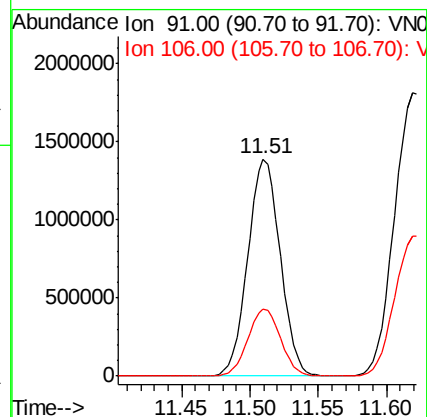
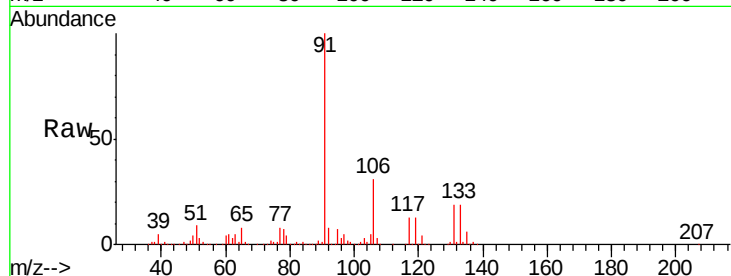
VSTDCCC050

Tgt Ion: 91 Resp: 2296190

Ion Ratio Lower Upper

91 100

106 31.1 24.9 37.3



#68

m/p-Xylenes

Concen: 108.589 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053249.D

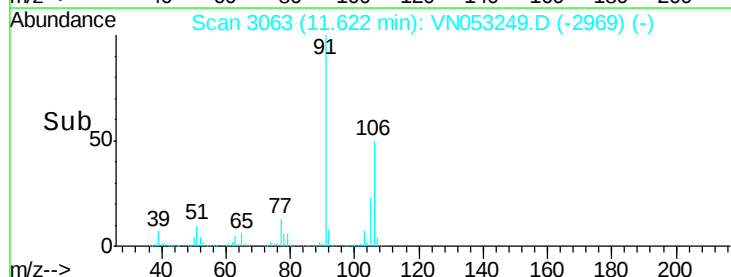
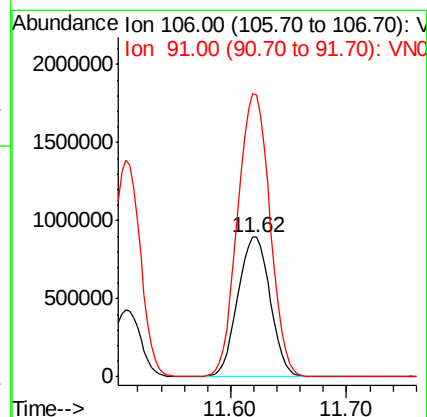
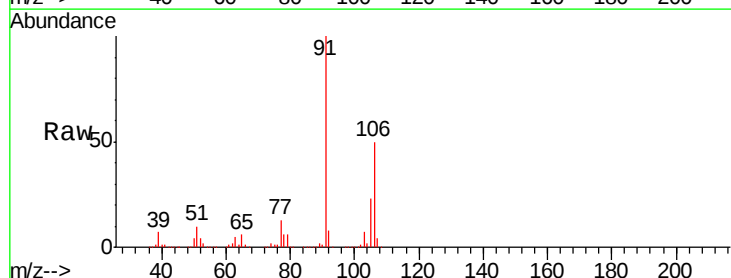
Acq: 3 Jan 2019 9:07

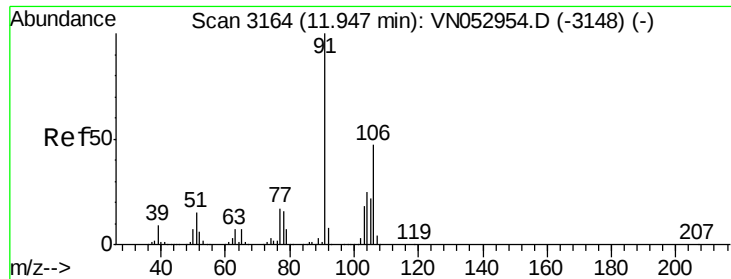
Tgt Ion: 106 Resp: 1738853

Ion Ratio Lower Upper

106 100

91 202.3 162.2 243.4

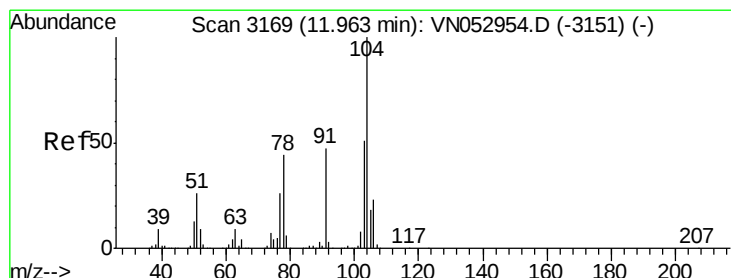
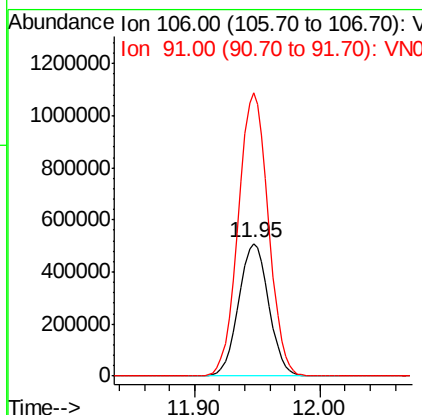
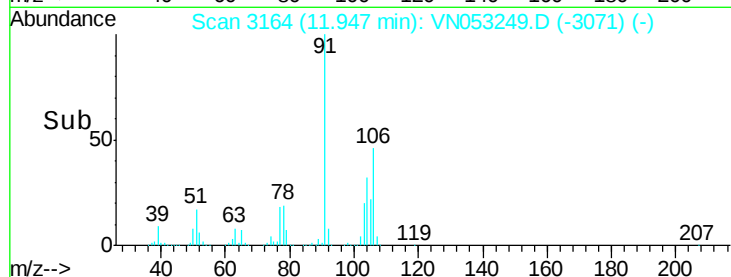
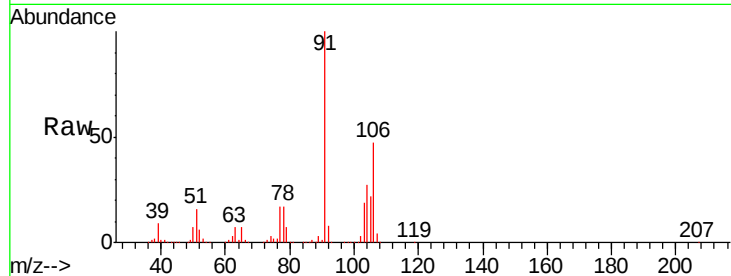




#69
o-Xylene
Concen: 55.195 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

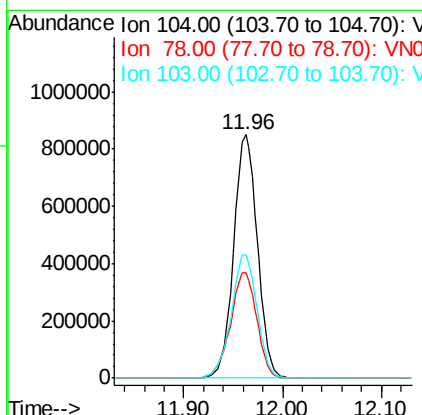
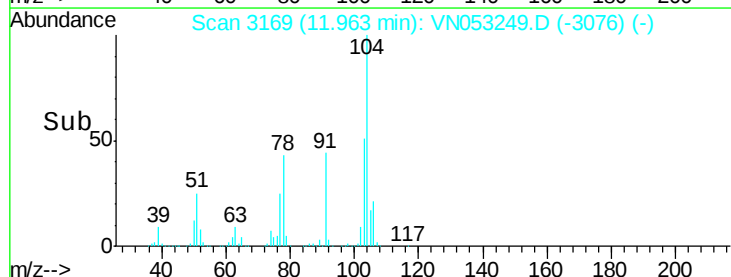
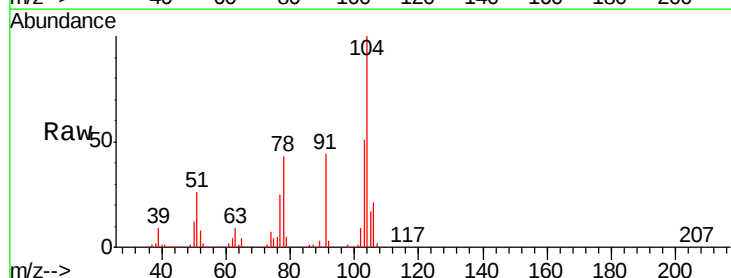
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

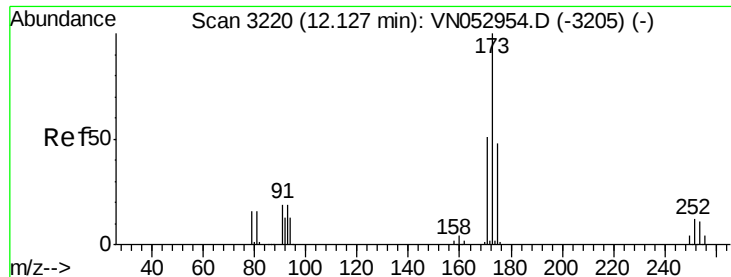
Tgt Ion:106 Resp: 848127
Ion Ratio Lower Upper
106 100
91 213.6 106.6 319.8



#70
Styrene
Concen: 56.662 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion:104 Resp: 1419703
Ion Ratio Lower Upper
104 100
78 48.0 38.9 58.3
103 55.2 44.3 66.5





#71

Bromoform

Concen: 51.044 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

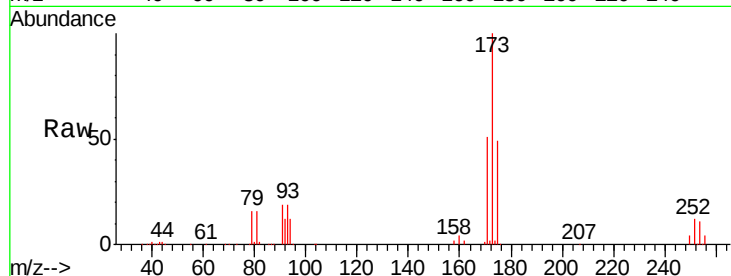
Tgt Ion:173 Resp: 314084

Ion Ratio Lower Upper

173 100

175 48.7 24.3 72.9

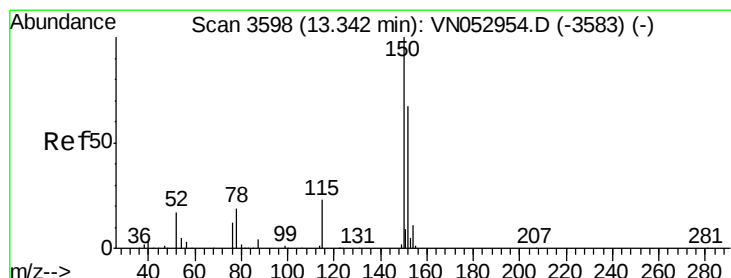
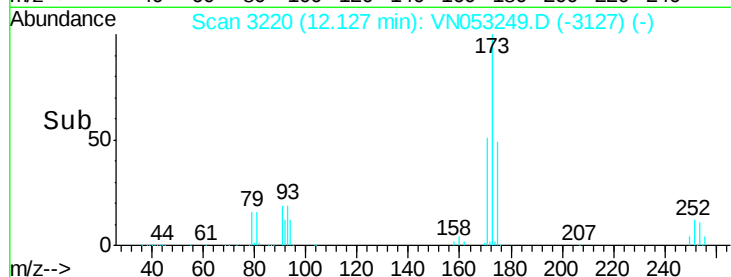
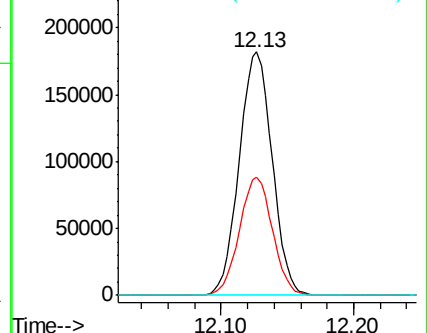
254 0.1 0.1 0.1#



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: VN053249.D

Acq: 3 Jan 2019 9:07

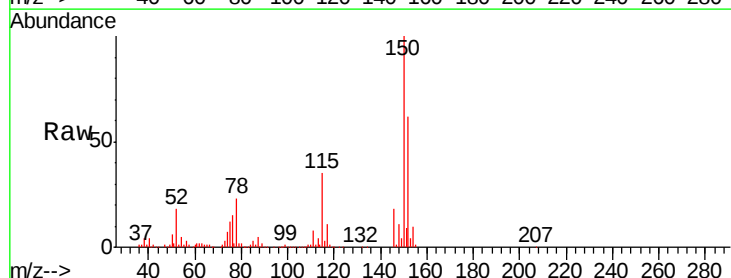
Tgt Ion:152 Resp: 480943

Ion Ratio Lower Upper

152 100

115 56.0 28.3 85.0

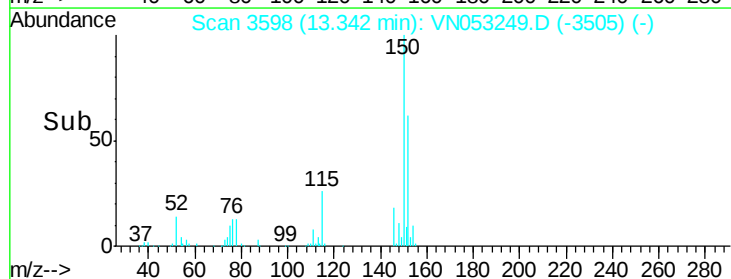
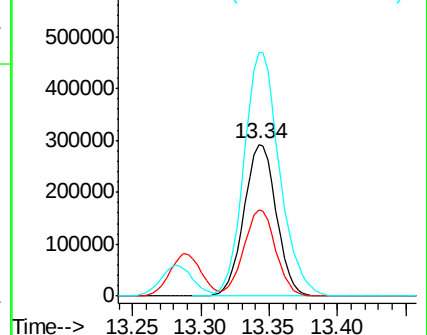
150 176.1 0.0 347.8

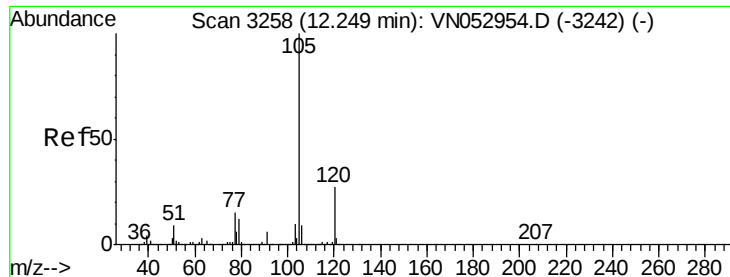


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 60.741 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

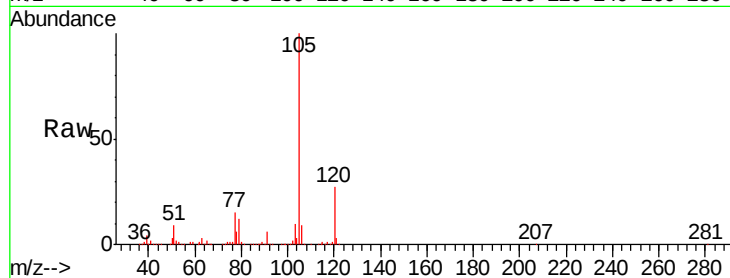
VSTDCCC050

Tgt Ion: 105 Resp: 2285663

Ion Ratio Lower Upper

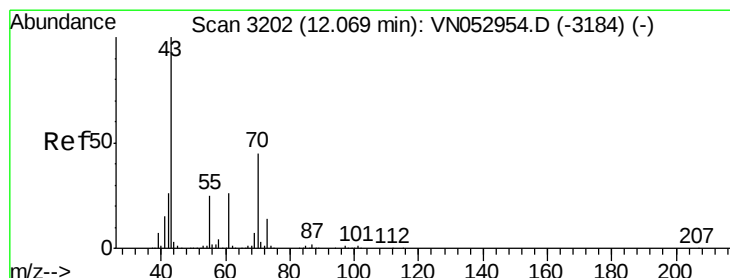
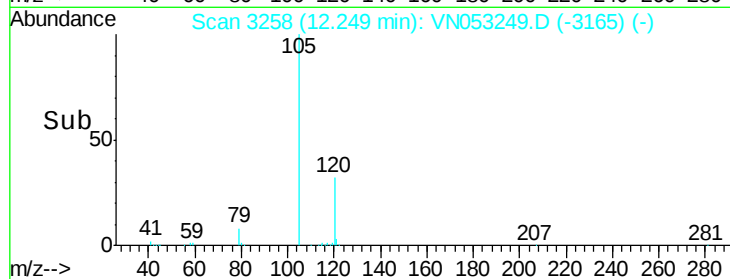
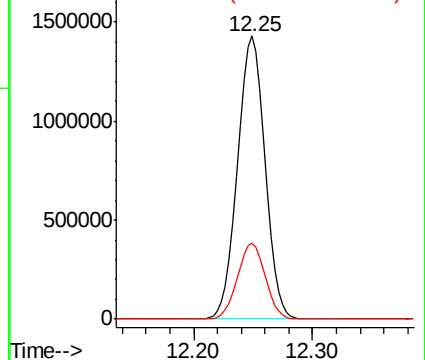
105 100

120 27.1 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 54.858 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Tgt Ion: 43 Resp: 573121

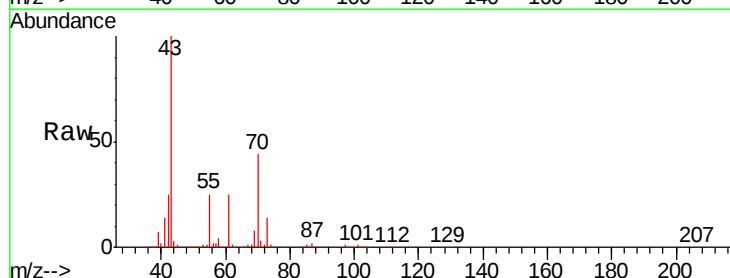
Ion Ratio Lower Upper

43 100

70 44.1 34.2 51.4

55 25.1 20.3 30.5

61 25.5 20.0 30.0

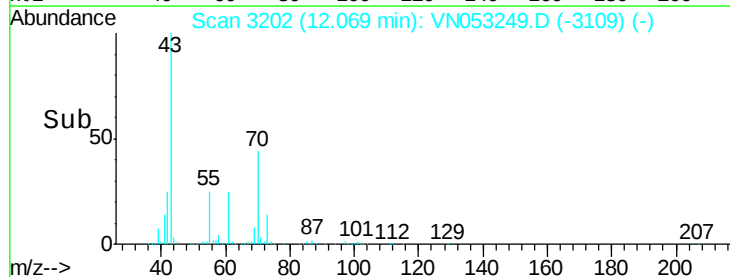
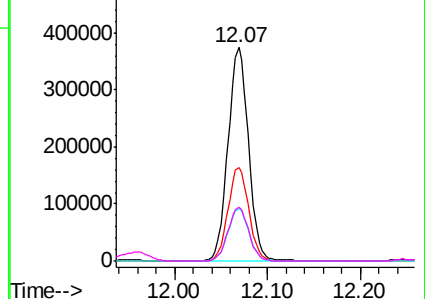


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 56.678 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

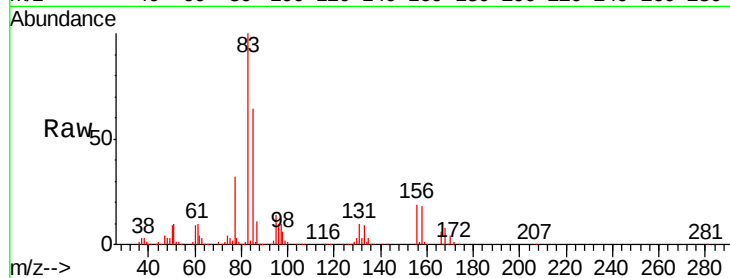
Tgt Ion: 83 Resp: 418419

Ion Ratio Lower Upper

83 100

131 10.5 5.2 15.6

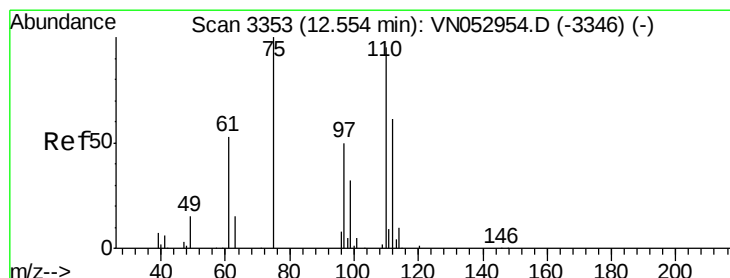
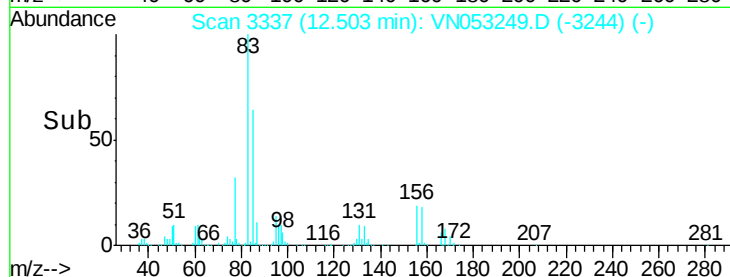
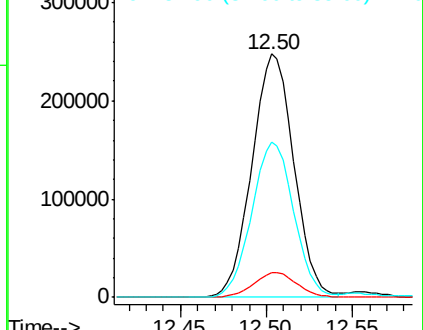
85 63.8 32.4 97.0



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: 72.164 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053249.D

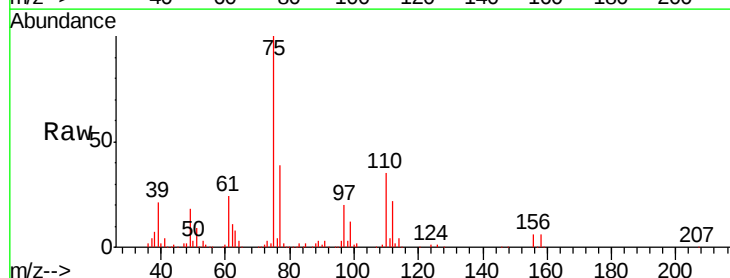
Acq: 3 Jan 2019 9:07

Tgt Ion: 75 Resp: 584256

Ion Ratio Lower Upper

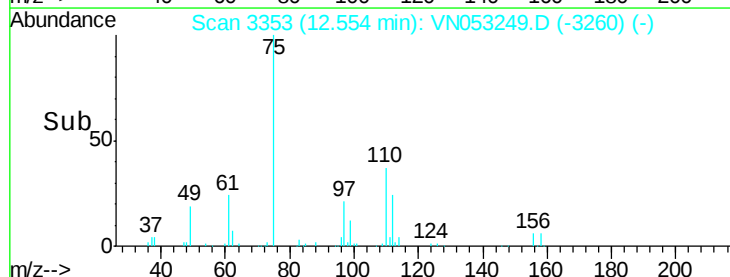
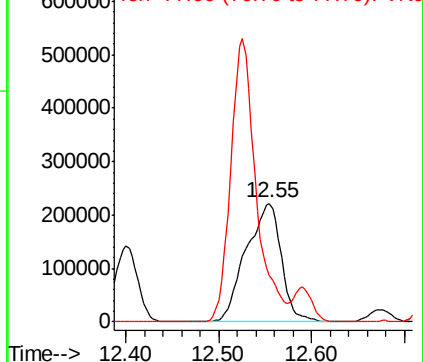
75 100

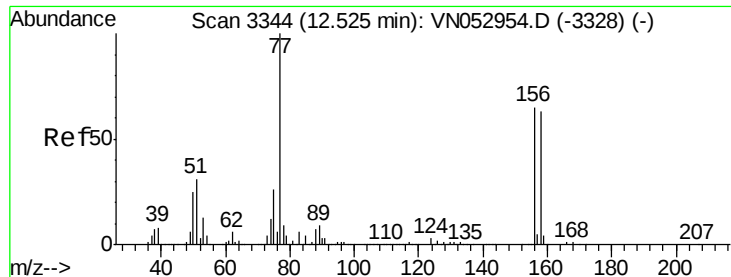
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 58.761 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

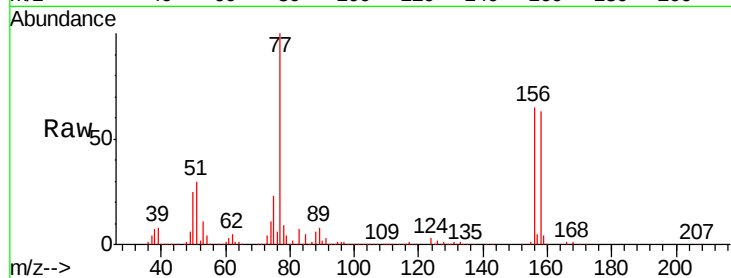
Tgt Ion:156 Resp: 574775

Ion Ratio Lower Upper

156 100

77 175.3 91.3 273.8

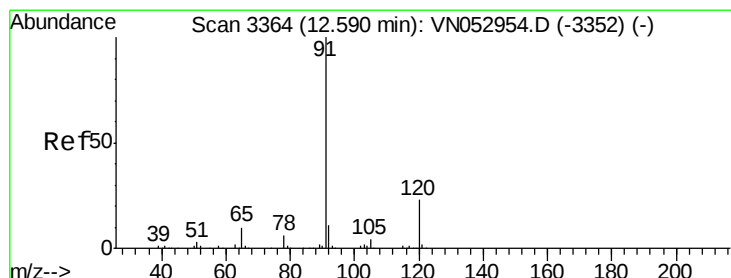
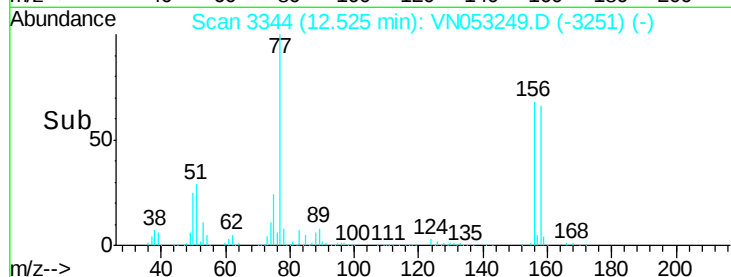
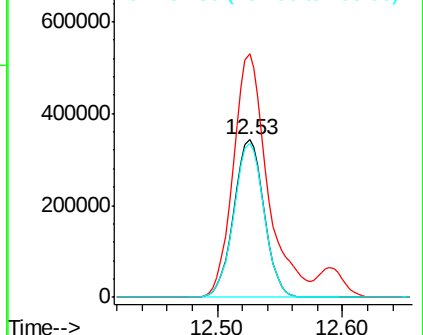
158 97.9 49.0 147.2



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: 60.960 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053249.D

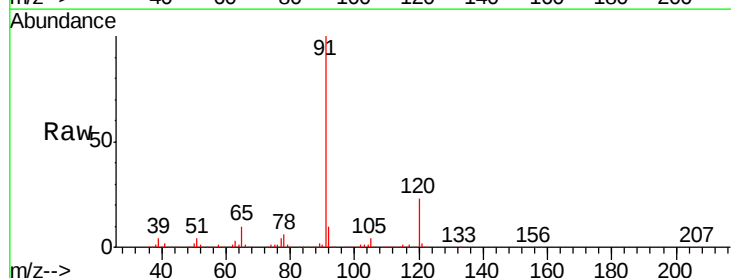
Acq: 3 Jan 2019 9:07

Tgt Ion: 91 Resp: 2612531

Ion Ratio Lower Upper

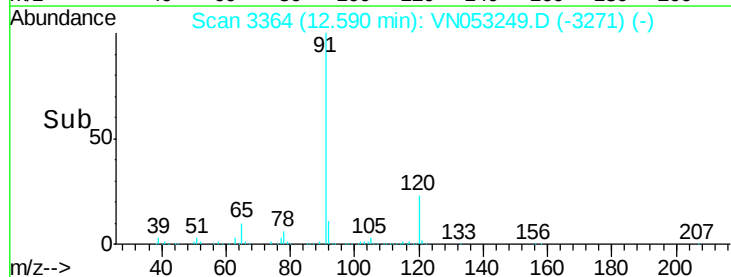
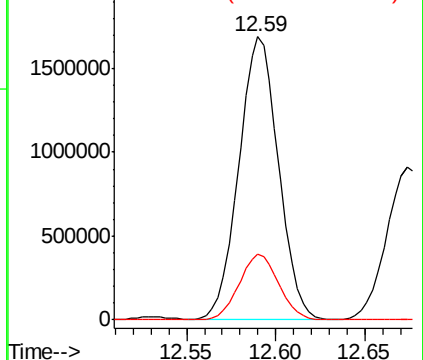
91 100

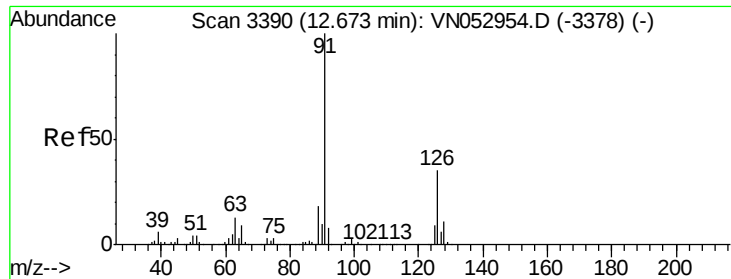
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 57.190 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

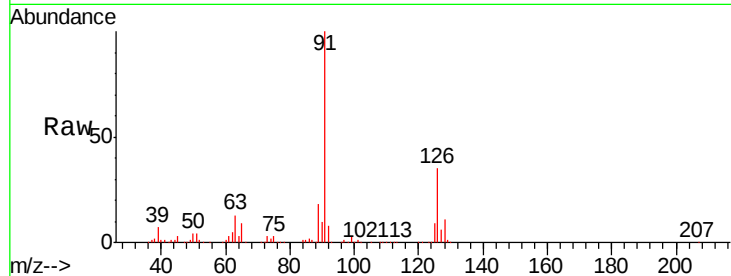
VSTDCCC050

Tgt Ion: 91 Resp: 1519226

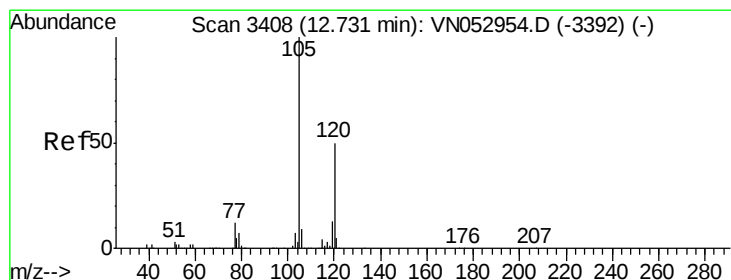
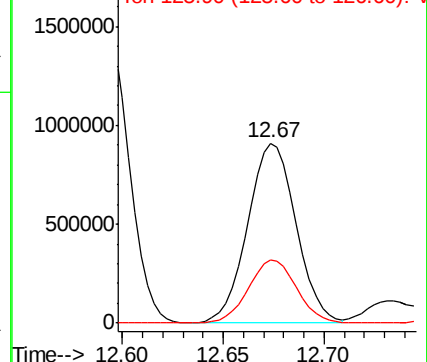
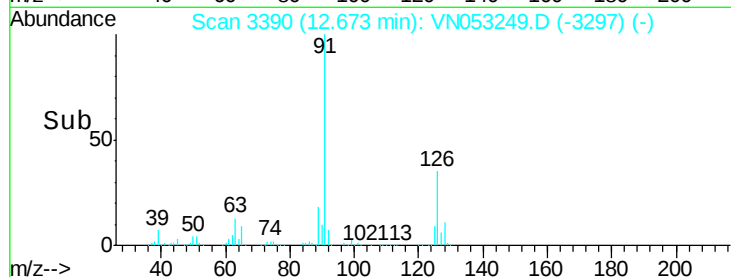
Ion Ratio Lower Upper

91 100

126 35.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN053249.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 59.136 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053249.D

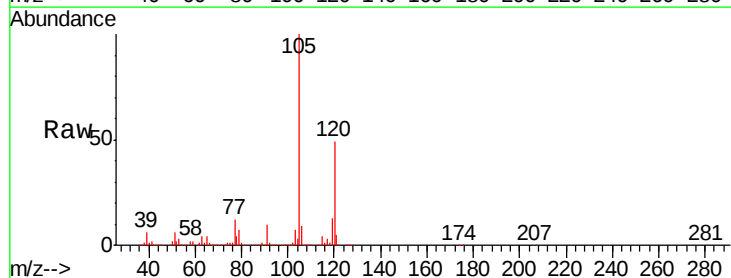
Acq: 3 Jan 2019 9:07

Tgt Ion: 105 Resp: 1813794

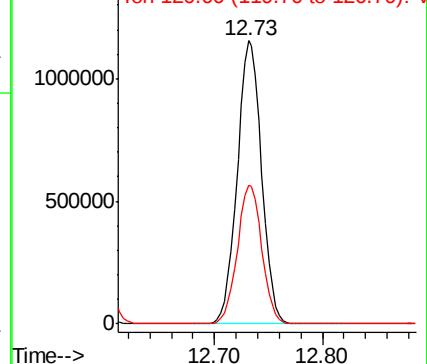
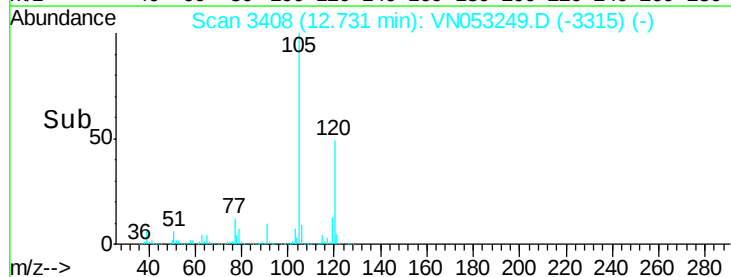
Ion Ratio Lower Upper

105 100

120 49.4 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053249.D (-3315) (-)

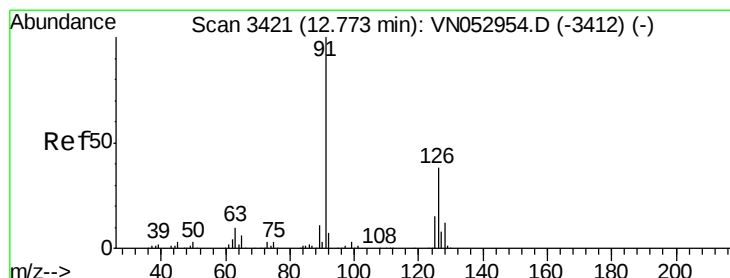
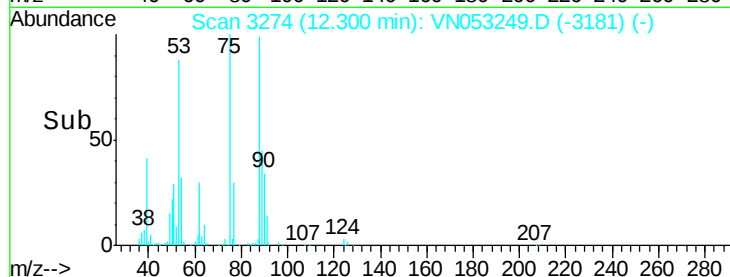
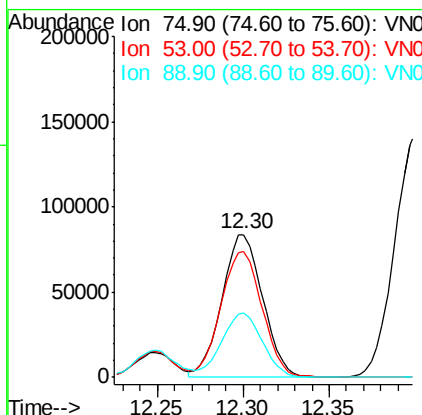
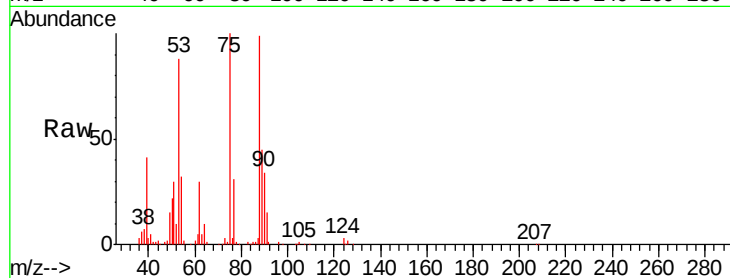




#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.376 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

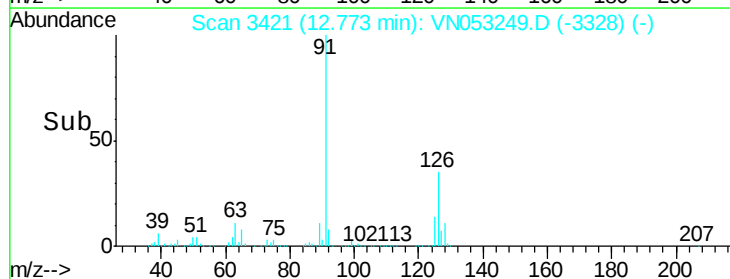
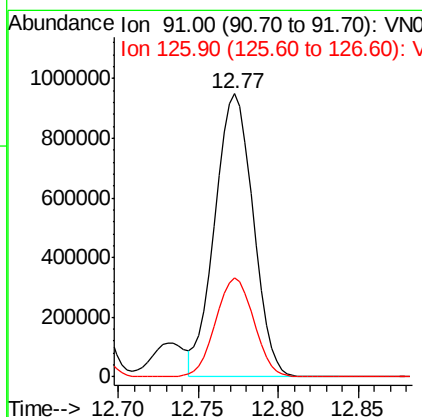
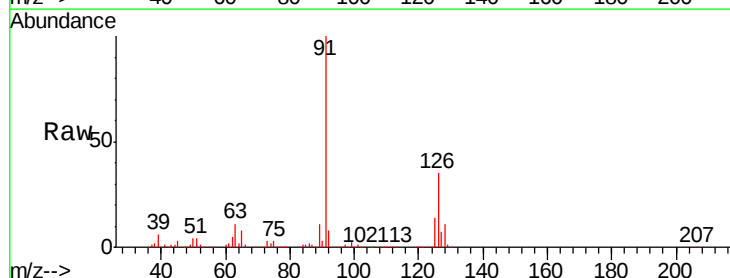
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

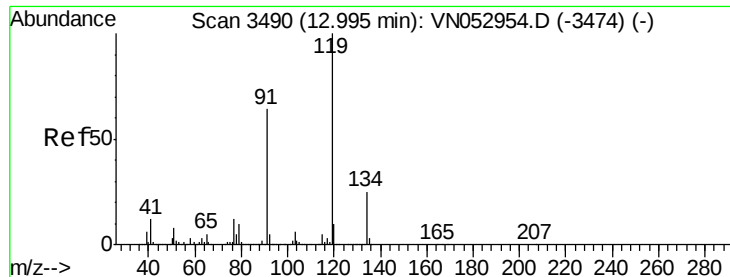
Tgt Ion: 75 Resp: 136588
 Ion Ratio Lower Upper
 75 100
 53 90.1 74.7 112.1
 89 45.6 36.1 54.1



#82
 4-Chlorotoluene
 Concen: 59.837 ug/l
 RT: 12.77 min Scan# 3421
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 91 Resp: 1556009
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.3 51.7

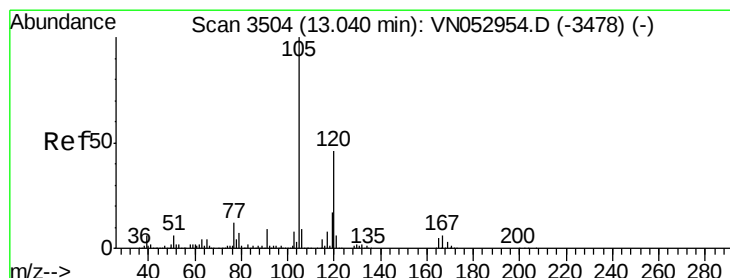
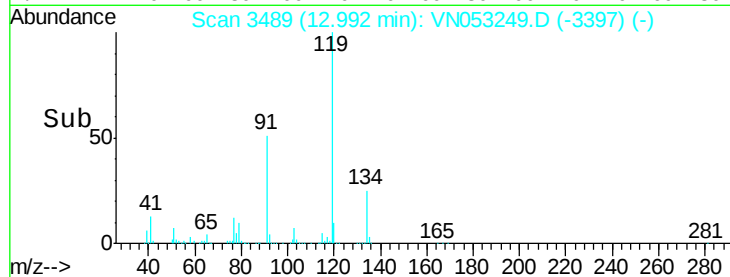
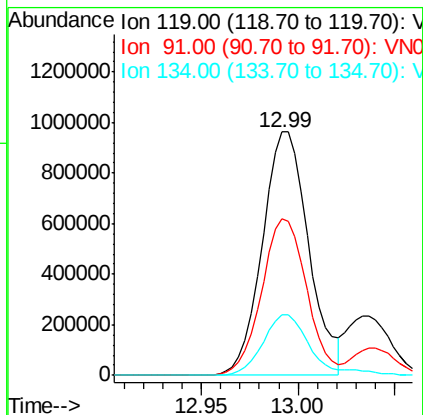
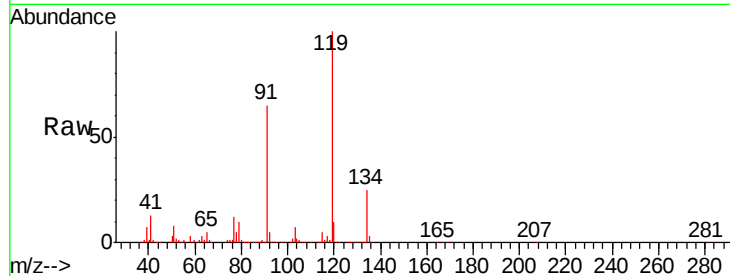




#83
tert-Butylbenzene
Concen: 59.166 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

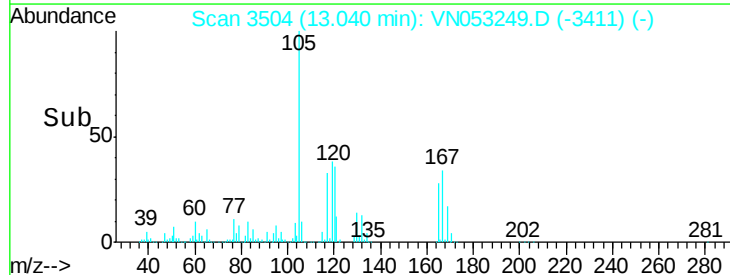
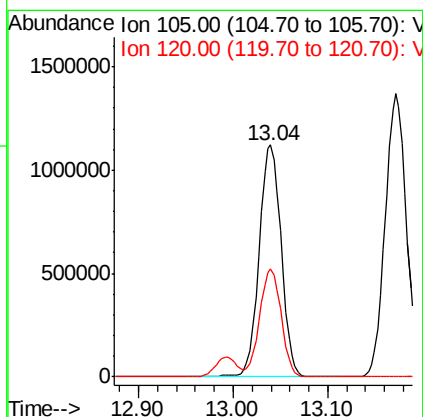
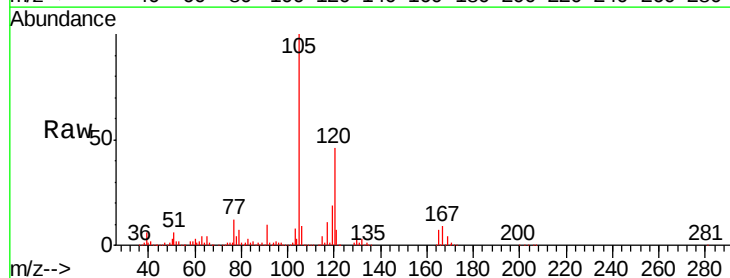
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

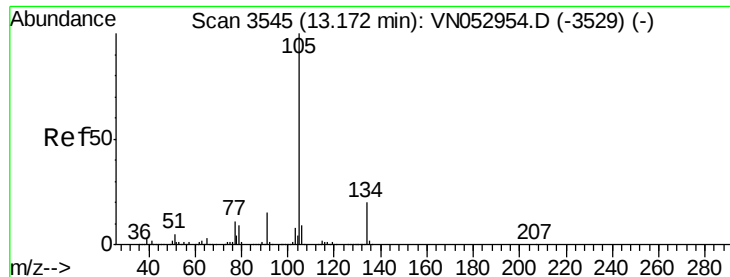
Tgt Ion:119 Resp: 1604927
Ion Ratio Lower Upper
119 100
91 62.3 31.9 95.5
134 25.6 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 58.621 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053249.D
Acq: 3 Jan 2019 9:07

Tgt Ion:105 Resp: 1807472
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.8

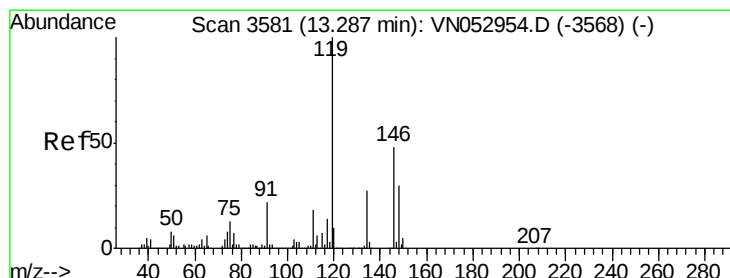
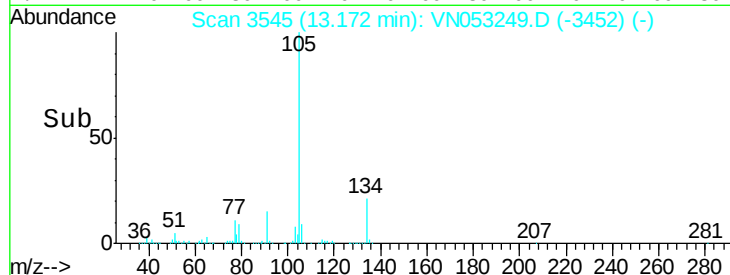
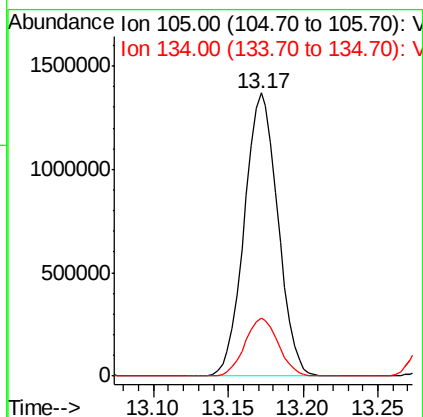
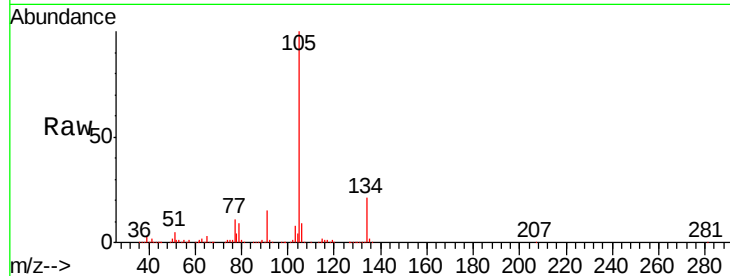




#85
 sec-Butylbenzene
 Concen: 58.207 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

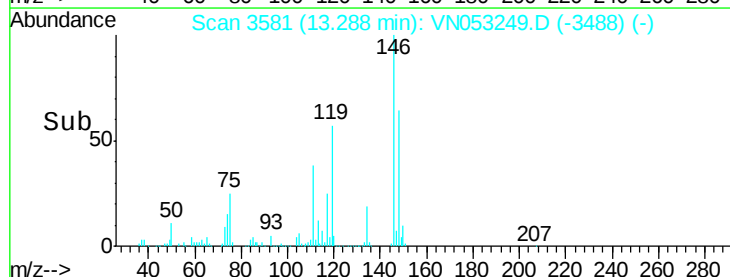
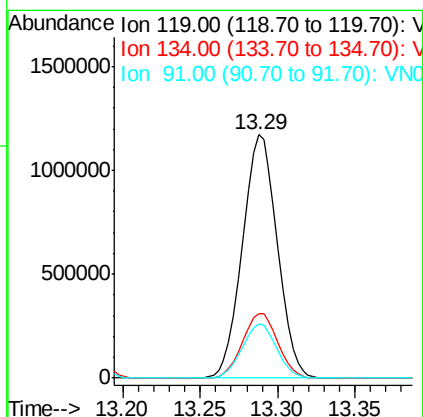
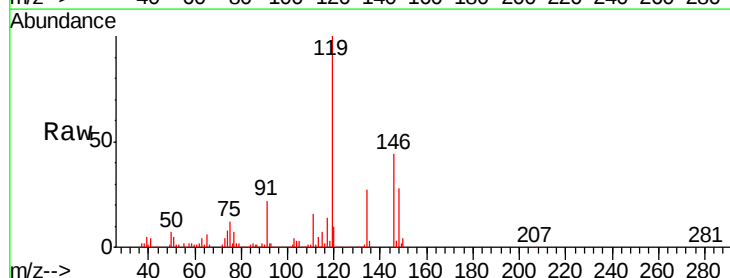
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

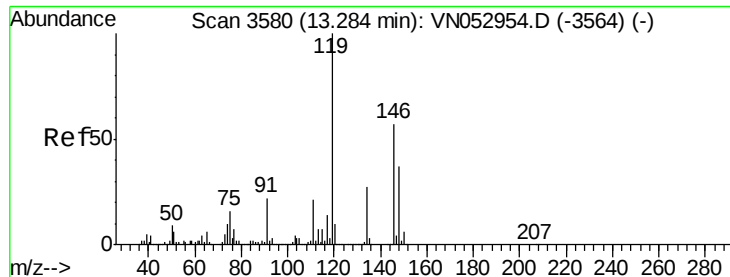
Tgt Ion:105 Resp: 2135656
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 57.737 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion:119 Resp: 1830492
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.4 40.2
 91 22.0 11.1 33.3





#87

1,3-Dichlorobenzene

Concen: 54.412 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

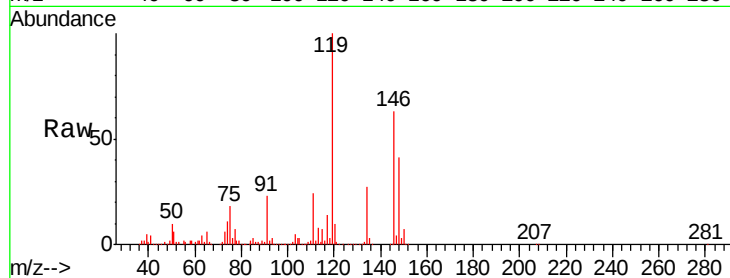
Tgt Ion:146 Resp: 941996

Ion Ratio Lower Upper

146 100

111 38.1 19.1 57.1

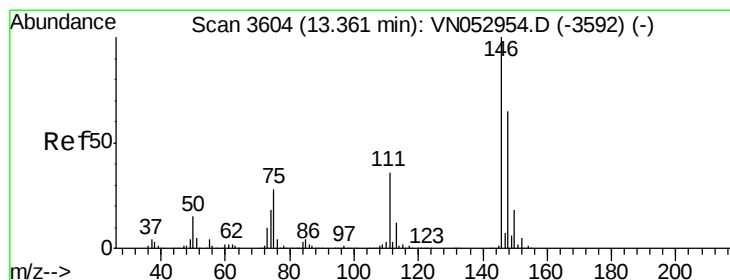
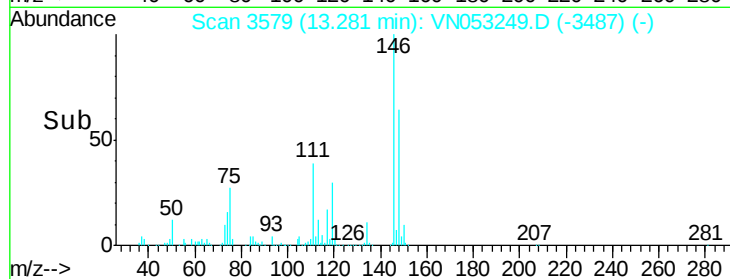
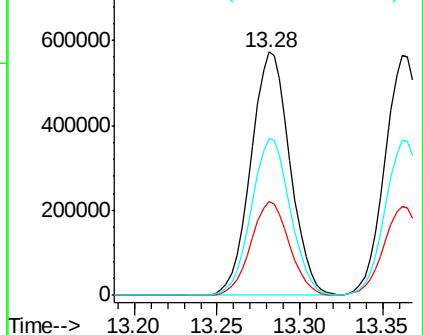
148 64.3 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 52.064 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

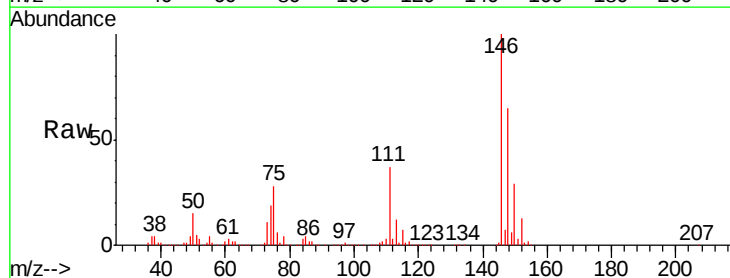
Tgt Ion:146 Resp: 912785

Ion Ratio Lower Upper

146 100

111 37.4 18.6 55.8

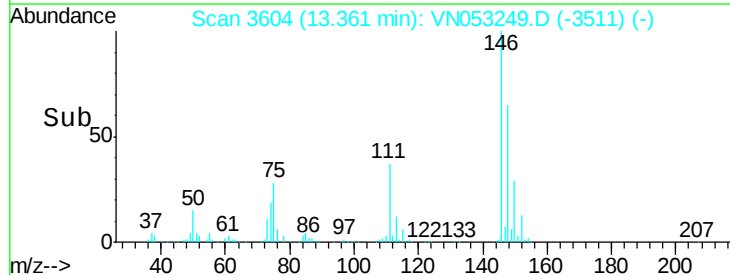
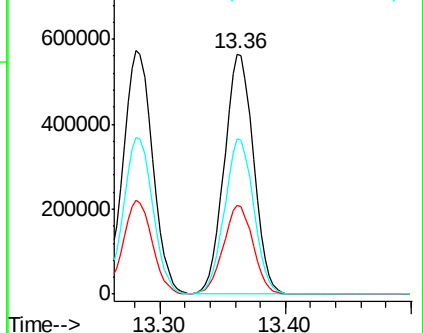
148 64.6 32.1 96.5



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





#89

n-Butylbenzene

Concen: 53.768 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

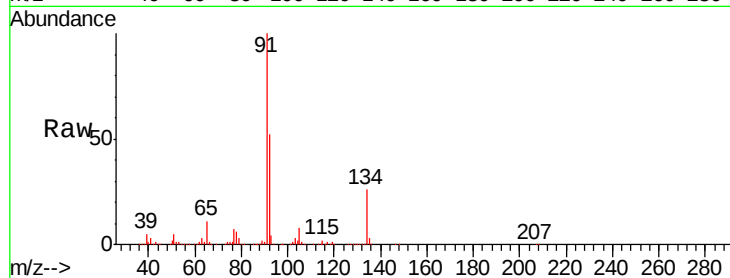
Tgt Ion: 91 Resp: 1466521

Ion Ratio Lower Upper

91 100

92 52.4 26.3 78.9

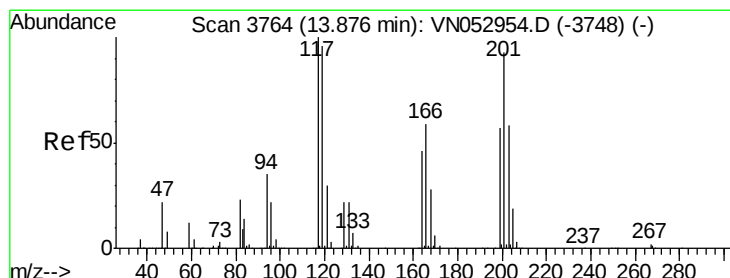
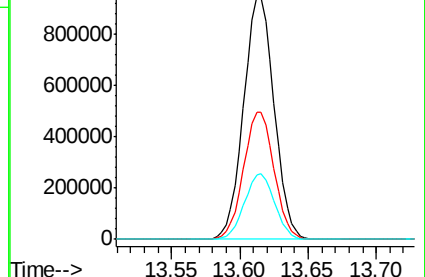
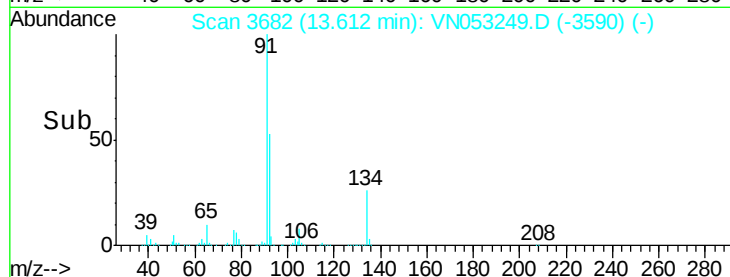
134 26.7 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053249.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN053249.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN053249.D (-3590) (-)



#90

Hexachloroethane

Concen: 57.691 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053249.D

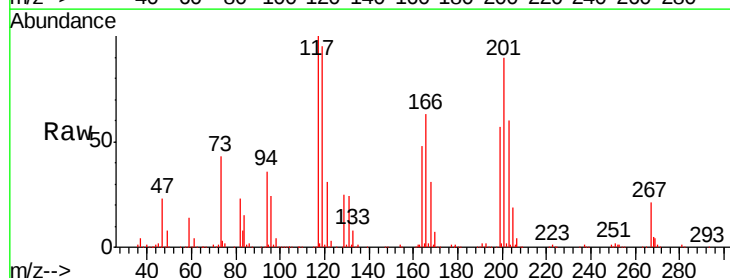
Acq: 3 Jan 2019 9:07

Tgt Ion: 117 Resp: 280678

Ion Ratio Lower Upper

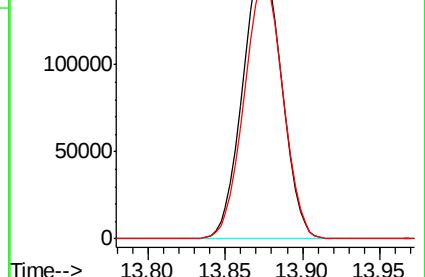
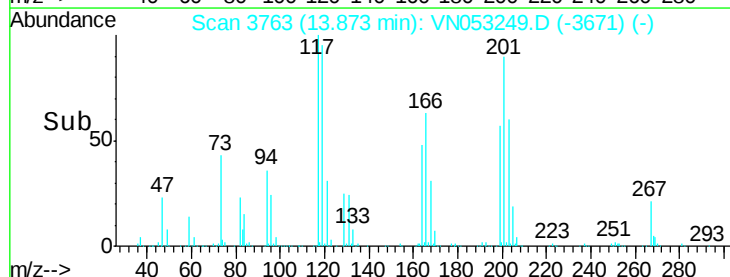
117 100

201 92.2 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053249.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN053249.D (-3671) (-)

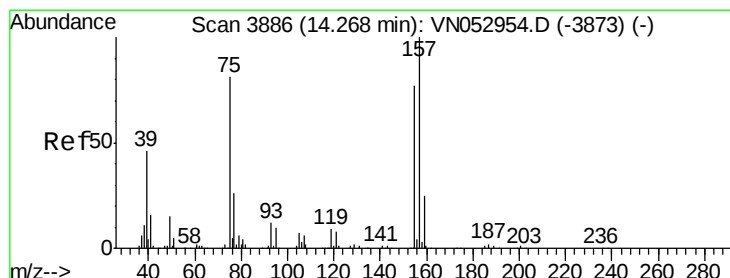
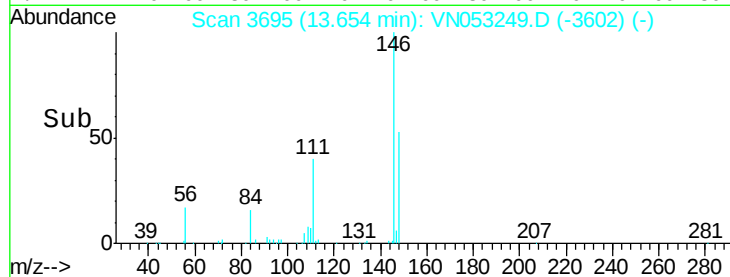
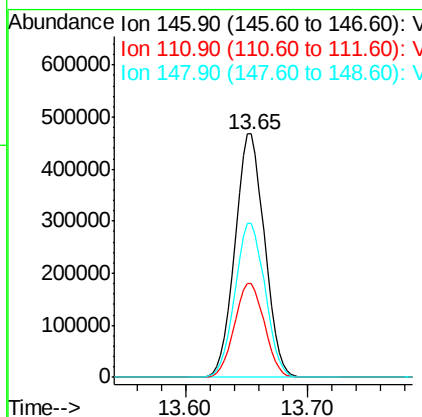
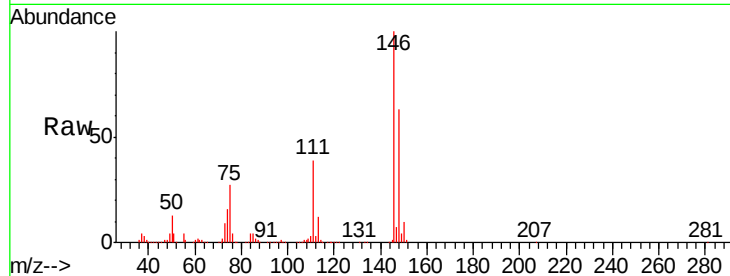




#91
 1,2-Dichlorobenzene
 Concen: 48.057 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

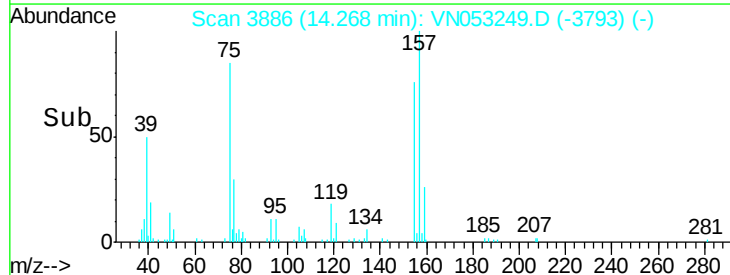
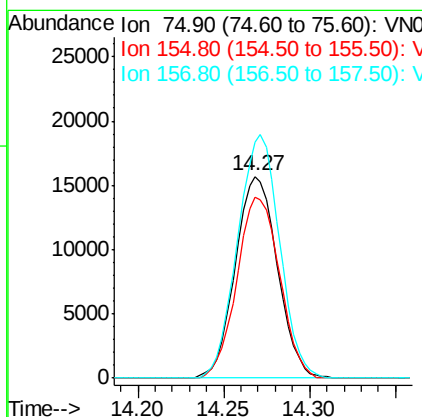
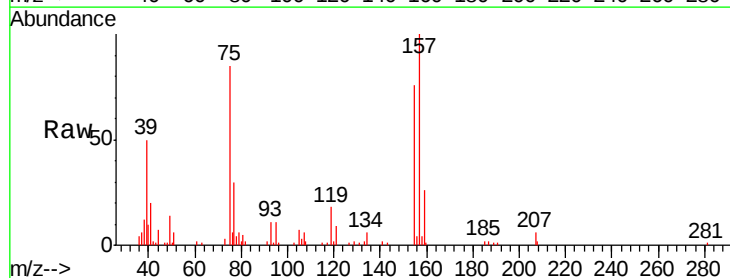
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 146 Resp: 783006
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.0
 148 64.5 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.859 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN053249.D
 Acq: 3 Jan 2019 9:07

Tgt Ion: 75 Resp: 26626
 Ion Ratio Lower Upper
 75 100
 155 90.8 48.2 144.6
 157 120.5 61.2 183.5





#93

1,2,4-Trichlorobenzene

Concen: 9.125 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

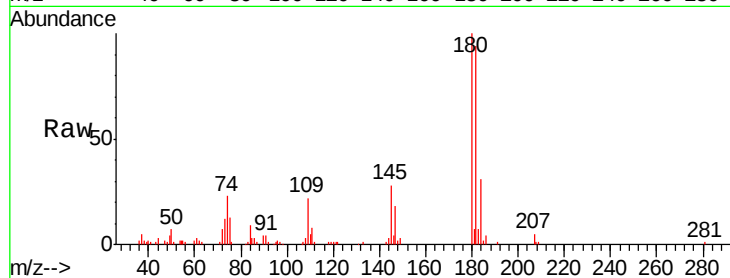
Tgt Ion:180 Resp: 74511

Ion Ratio Lower Upper

180 100

182 96.0 47.8 143.3

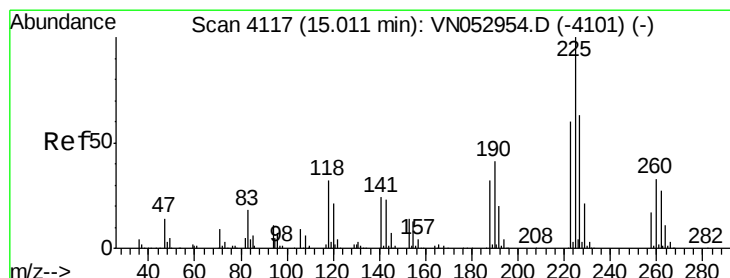
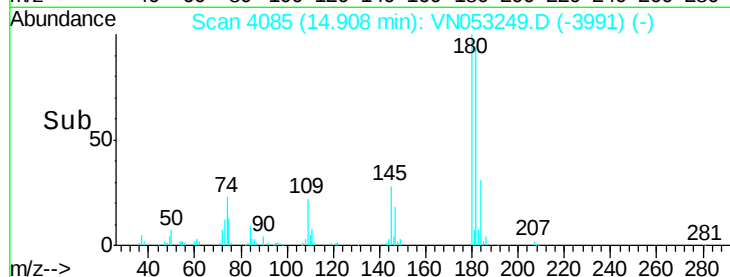
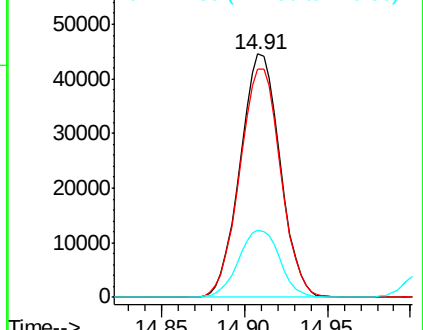
145 28.4 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 21.221 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

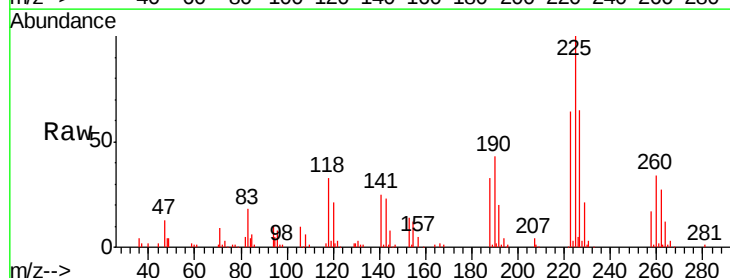
Tgt Ion:225 Resp: 102235

Ion Ratio Lower Upper

225 100

223 62.8 31.5 94.5

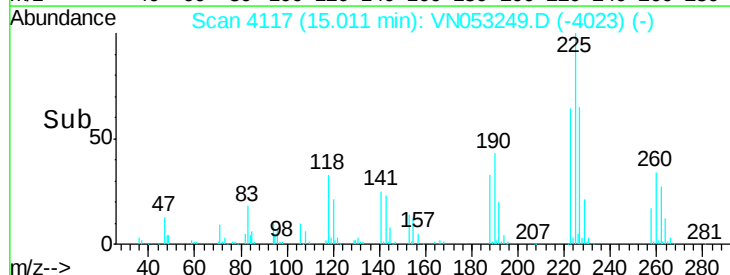
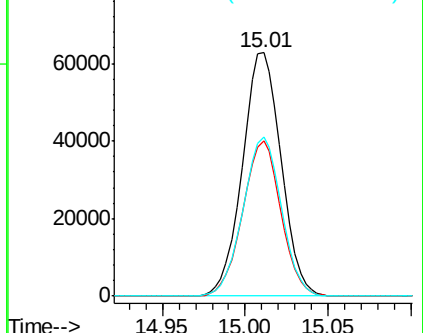
227 64.8 31.9 95.7

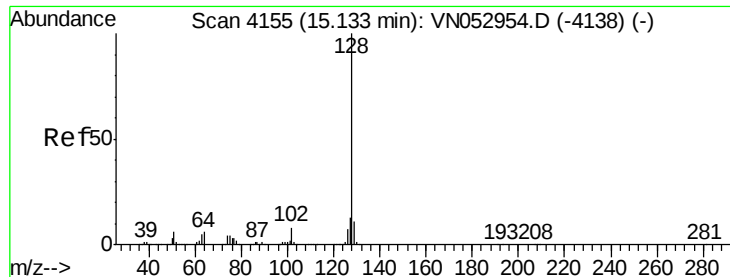


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 6.994 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

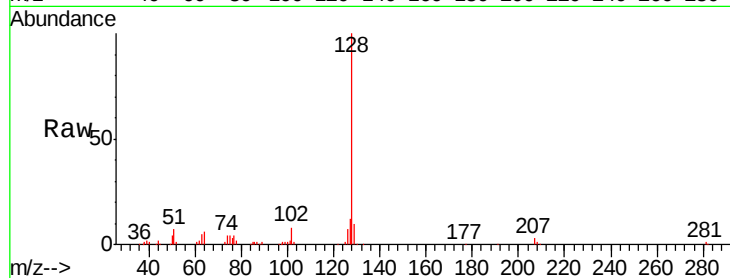
Tgt Ion:128 Resp: 113172

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

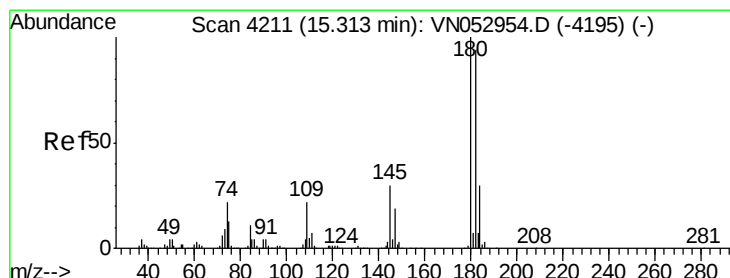
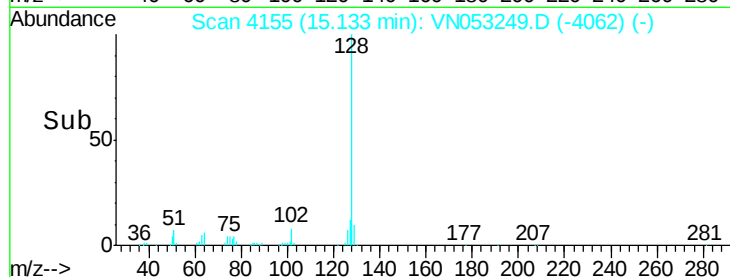
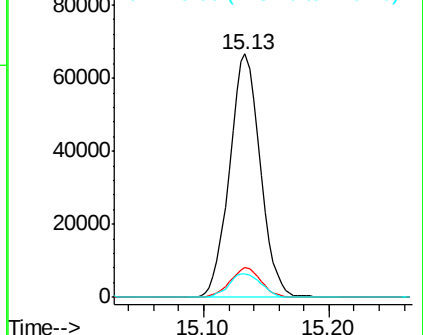
129 10.2 8.6 13.0



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: 5.372 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053249.D

Acq: 3 Jan 2019 9:07

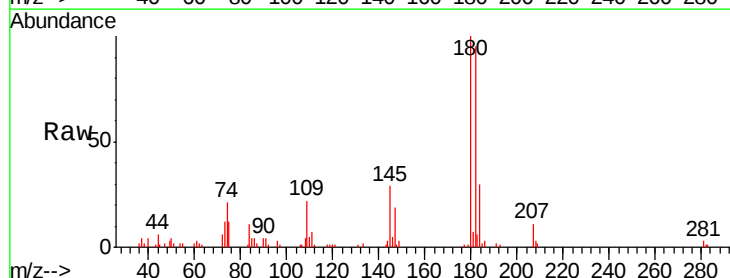
Tgt Ion:180 Resp: 38195

Ion Ratio Lower Upper

180 100

182 97.3 47.9 143.7

145 30.1 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

