

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053148.D
 Acq On : 22 Dec 2018 22:32
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 23 23:10:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1028672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1587428	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1416101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608009	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	559715	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	
35) Dibromofluoromethane	7.59	113	451073	62.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	124.40%	
50) Toluene-d8	10.09	98	2045946	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	
62) 4-Bromofluorobenzene	12.40	95	701037	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	495999	47.642	ug/l	100
3) Chloromethane	2.06	50	618545	49.029	ug/l	98
4) Vinyl Chloride	2.19	62	634734	49.678	ug/l	100
5) Bromomethane	2.57	94	433039	48.918	ug/l	100
6) Chloroethane	2.71	64	380899	50.336	ug/l	100
7) Trichlorofluoromethane	3.02	101	803665	50.491	ug/l	99
8) Diethyl Ether	3.41	74	327381	54.521	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.77	101	509416	50.196	ug/l	98
10) Methyl Iodide	3.96	142	718033	50.382	ug/l	99
11) Tert butyl alcohol	4.78	59	166680	261.684	ug/l	98
12) 1,1-Dichloroethene	3.74	96	495515	50.539	ug/l	99
13) Acrolein	3.61	56	253428	438.799	ug/l	100
14) Allyl chloride	4.33	41	834551	54.952	ug/l	94
15) Acrylonitrile	4.99	53	981341	277.326	ug/l	99
16) Acetone	3.82	43	610415	298.233	ug/l	97
17) Carbon Disulfide	4.06	76	1365205	42.696	ug/l	100
18) Methyl Acetate	4.33	43	539751	57.941	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1459816	55.638	ug/l	100
20) Methylene Chloride	4.55	84	582070	52.134	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	530435	50.354	ug/l	98
22) Diisopropyl ether	5.95	45	1824898	56.295	ug/l	96
23) Vinyl Acetate	5.90	43	5219226	279.991	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1025833	53.254	ug/l	99
25) 2-Butanone	6.83	43	1034075	301.042	ug/l	98
26) 2,2-Dichloropropane	6.83	77	656421	44.640	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	624610	52.374	ug/l	99
28) Bromochloromethane	7.20	49	460186	55.132	ug/l	98
29) Tetrahydrofuran	7.21	42	728120	283.814	ug/l	99
30) Chloroform	7.37	83	998331	52.758	ug/l	99
31) Cyclohexane	7.66	56	928899	51.446	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	830824	51.540	ug/l	99
36) 1,1-Dichloropropene	7.79	75	768415	50.432	ug/l	99
37) Ethyl Acetate	6.93	43	483585	56.854	ug/l	100
38) Carbon Tetrachloride	7.78	117	704368	50.436	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	877817	47.426	ug/l	98
40) Benzene	8.04	78	2387092	52.671	ug/l	99
41) Methacrylonitrile	7.17	41	289274	58.860	ug/l	95
42) 1,2-Dichloroethane	8.12	62	699534	52.249	ug/l	99
43) Isopropyl Acetate	8.16	43	905769	55.135	ug/l	98
44) Trichloroethene	8.84	130	648836	49.497	ug/l	99
45) 1,2-Dichloropropane	9.12	63	635657	53.847	ug/l	100
46) Dibromomethane	9.21	93	360562	52.432	ug/l	99
47) Bromodichloromethane	9.40	83	763780	52.250	ug/l	99
48) Methyl methacrylate	9.20	41	478054	57.919	ug/l	98
49) 1,4-Dioxane	9.20	88	98948	947.718	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2424561	294.343	ug/l	99
52) Toluene	10.16	92	1483124	52.797	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	778554	50.650	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	907048	51.409	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	529373	54.017	ug/l	98
56) Ethyl methacrylate	10.43	69	732496	56.470	ug/l	98
57) 1,3-Dichloropropane	10.71	76	915058	54.450	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1951665	274.062	ug/l	99
59) 2-Hexanone	10.75	43	1612412	289.318	ug/l	99
60) Dibromochloromethane	10.90	129	582095	51.890	ug/l	99
61) 1,2-Dibromoethane	11.01	107	532003	53.451	ug/l	99
64) Tetrachloroethene	10.63	164	715174	46.623	ug/l	98
65) Chlorobenzene	11.43	112	1630224	51.933	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	571856	52.386	ug/l	99
67) Ethyl Benzene	11.51	91	2812458	52.098	ug/l	100
68) m/p-Xylenes	11.62	106	2095260	102.096	ug/l	100
69) o-Xylene	11.95	106	1037866	52.702	ug/l	100
70) Styrene	11.96	104	1696101	52.819	ug/l	100
71) Bromoform	12.13	173	399805	50.698	ug/l #	99
73) Isopropylbenzene	12.25	105	2713315	57.037	ug/l	99
74) N-amyl acetate	12.07	43	811384	61.433	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	603190	64.631	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	784109	76.609	ug/l #	100
77) Bromobenzene	12.53	156	690909	55.872	ug/l	100
78) n-propylbenzene	12.59	91	3005875	55.480	ug/l	100
79) 2-Chlorotoluene	12.67	91	1776833	52.909	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2076875	53.563	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	167911	52.876	ug/l	97
82) 4-Chlorotoluene	12.77	91	1789531	54.435	ug/l	100
83) tert-Butylbenzene	12.99	119	1838162	53.602	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2079214	53.341	ug/l	99
85) sec-Butylbenzene	13.17	105	2408503	51.925	ug/l	100
86) p-Isopropyltoluene	13.29	119	2040382	50.908	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1129015	51.586	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1110529	50.106	ug/l	100
89) n-Butylbenzene	13.62	91	1617134	46.899	ug/l	100
90) Hexachloroethane	13.88	117	322185	52.383	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1062232	51.570	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81527	50.522	ug/l	99

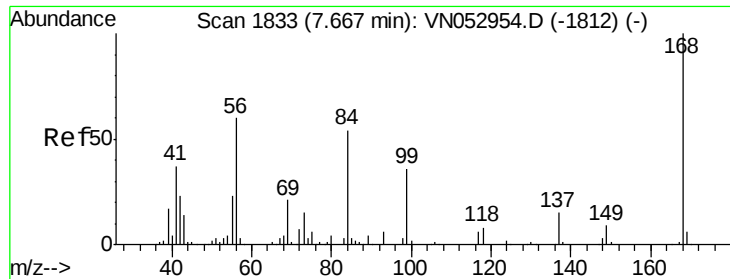
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	496125	45.516	ug/l	100
94) Hexachlorobutadiene	15.01	225	292072	51.793	ug/l	100
95) Naphthalene	15.13	128	1128570	47.274	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	449617	45.796	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

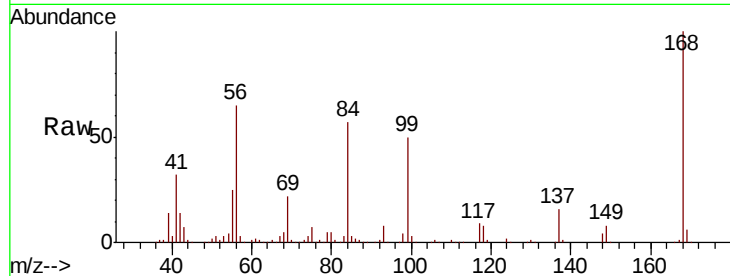
VSTDCCC050

Tot Ion:168 Resp: 1028672

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

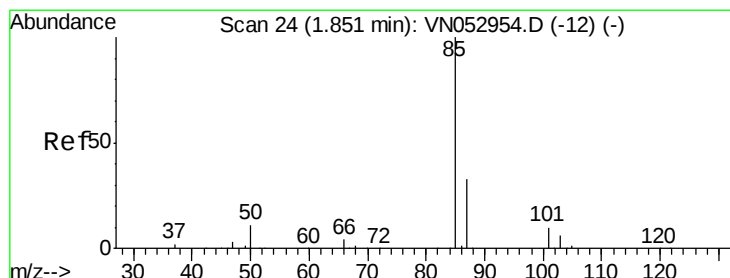
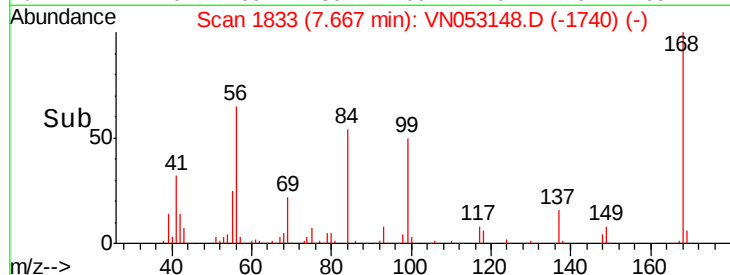
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.642 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053148.D

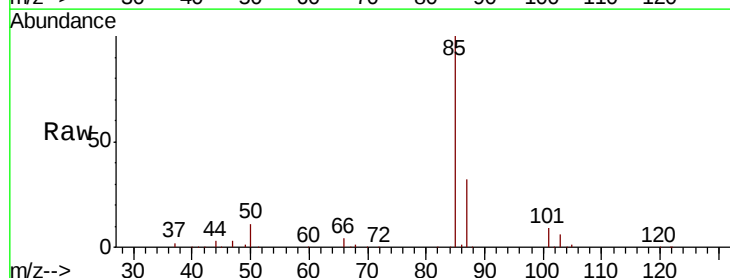
Acq: 22 Dec 2018 22:32

Tgt Ion: 85 Resp: 495999

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

400000

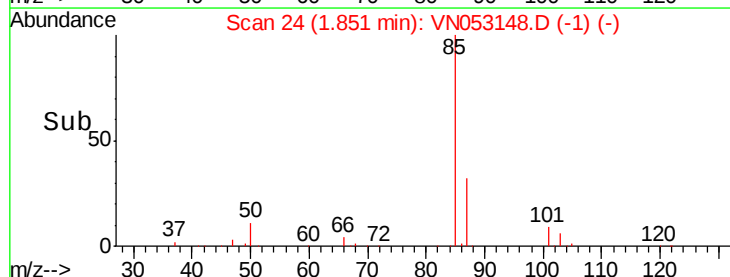
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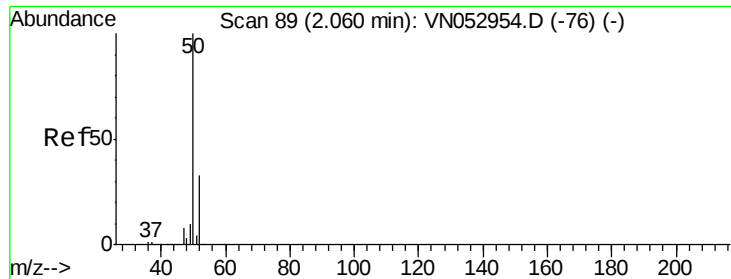
200000

100000

0

Time-->





#3

Chloromethane

Concen: 49.029 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

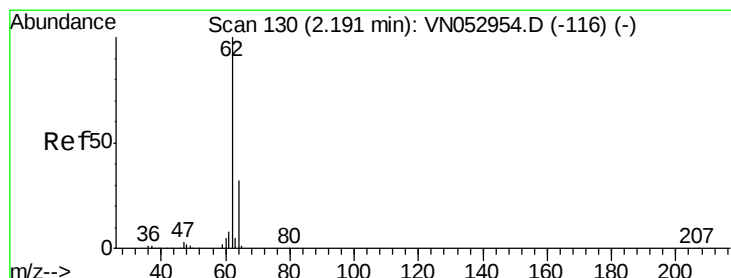
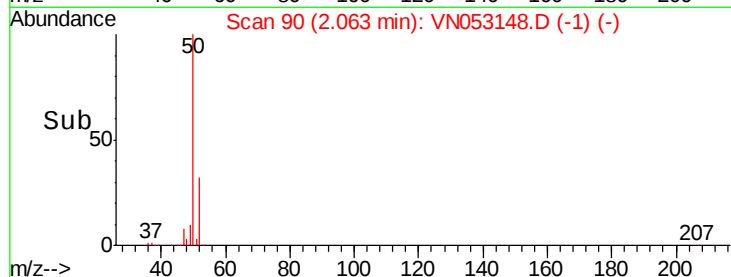
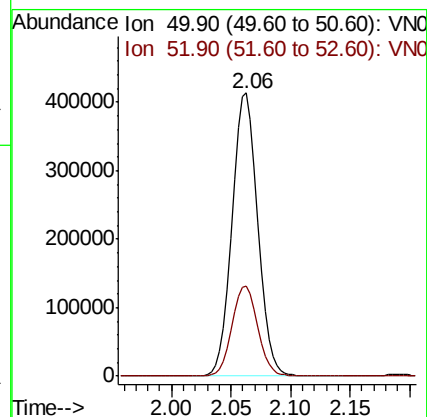
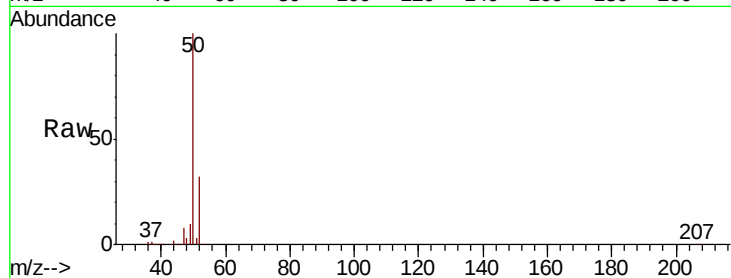
VSTDCCC050

Tot Ion: 50 Resp: 618545

Ion Ratio Lower Upper

50 100

52 31.7 26.2 39.4



#4

Vinyl Chloride

Concen: 49.678 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053148.D

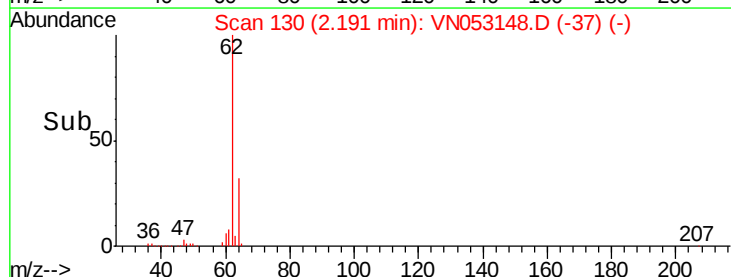
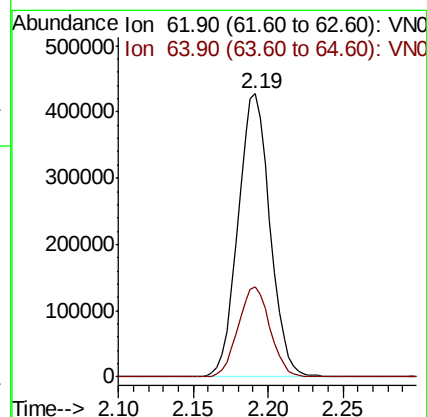
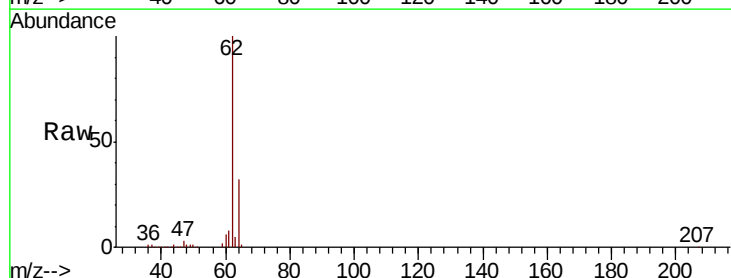
Acq: 22 Dec 2018 22:32

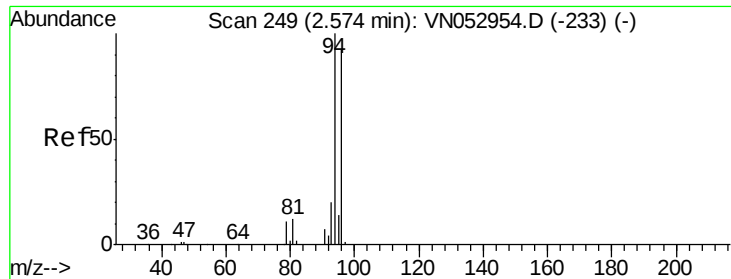
Tgt Ion: 62 Resp: 634734

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3





#5

Bromomethane

Concen: 48.918 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

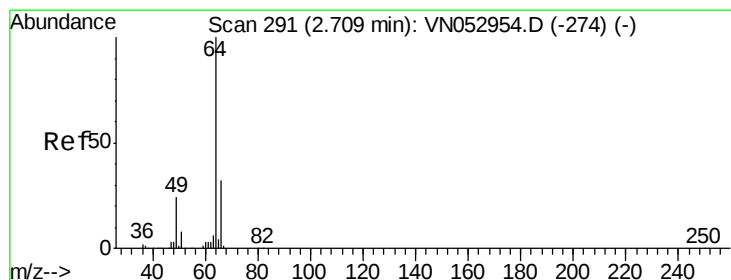
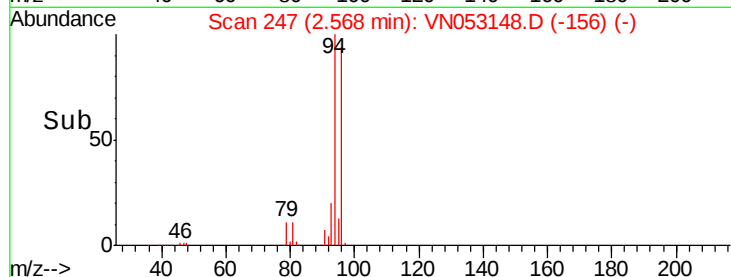
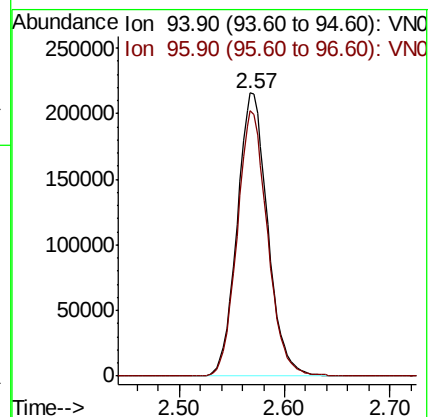
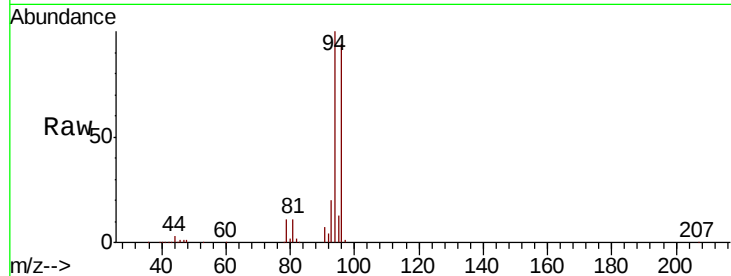
VSTDCCC050

Tot Ion: 94 Resp: 433039

Ion Ratio Lower Upper

94 100

96 93.6 75.0 112.4



#6

Chloroethane

Concen: 50.336 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053148.D

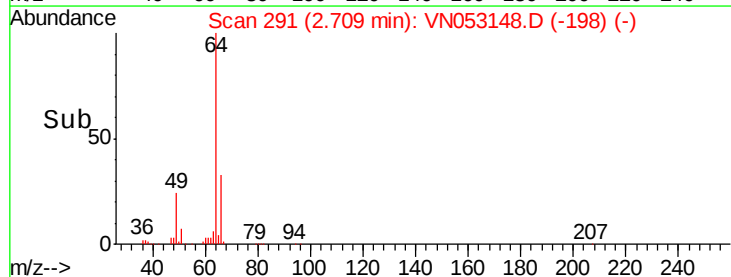
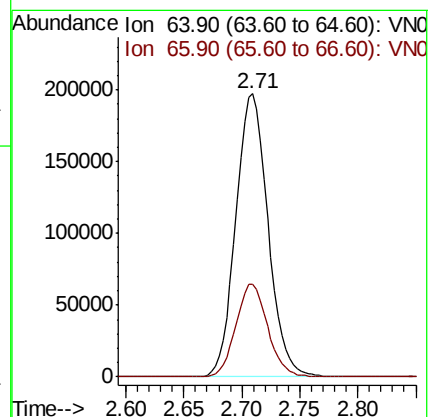
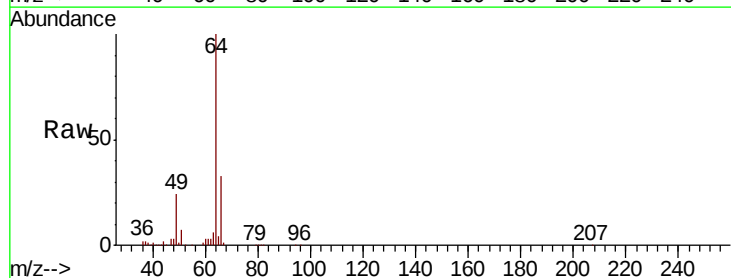
Acq: 22 Dec 2018 22:32

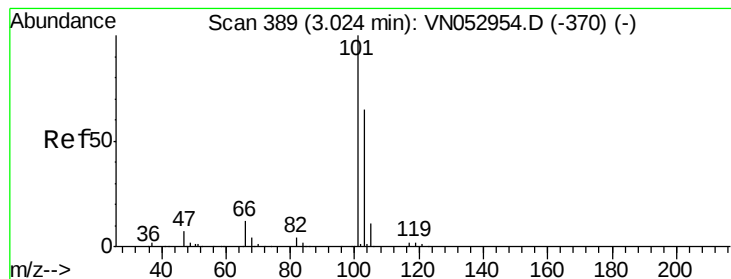
Tgt Ion: 64 Resp: 380899

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2



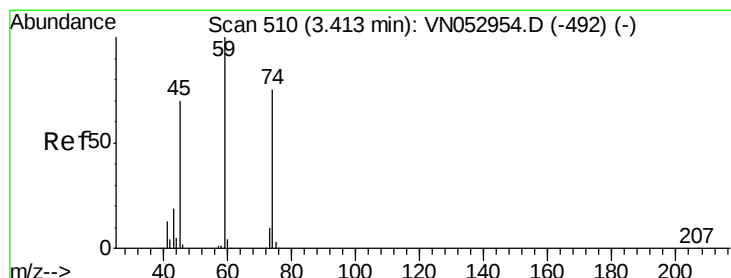
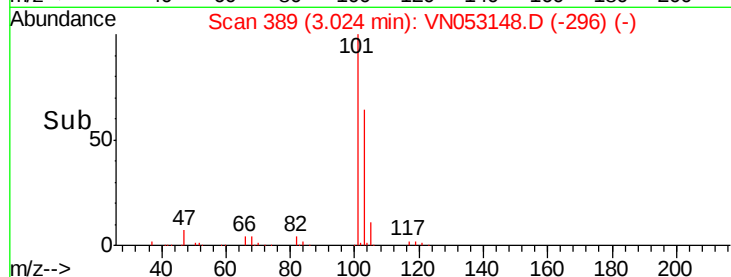
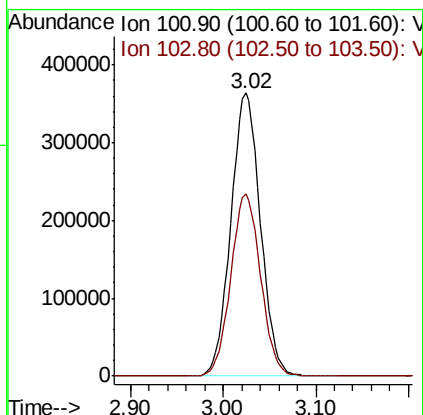
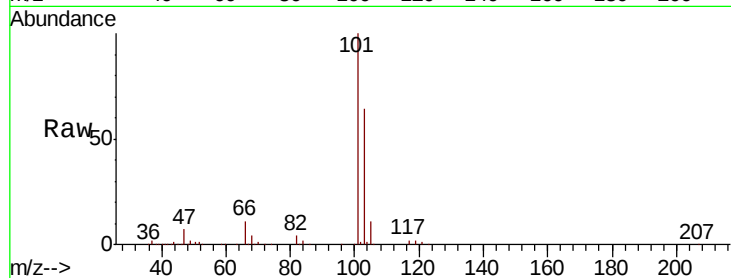


#7

Trichlorofluoromethane
 Concen: 50.491 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
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 ClientSampleId :
 VSTDCCC050

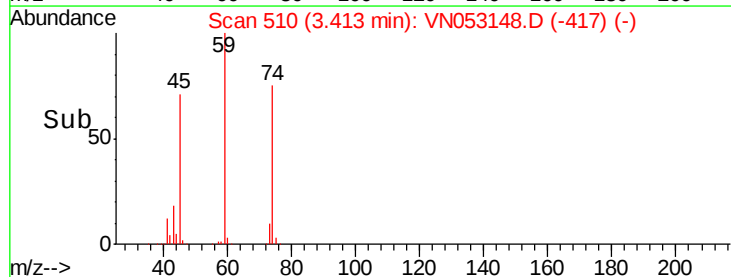
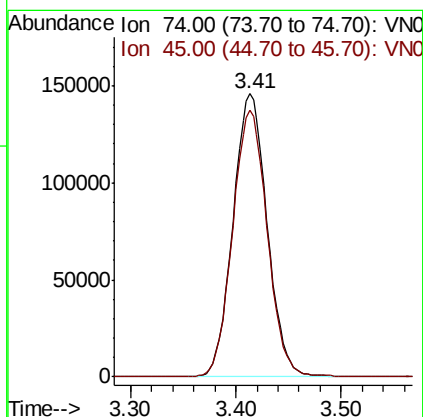
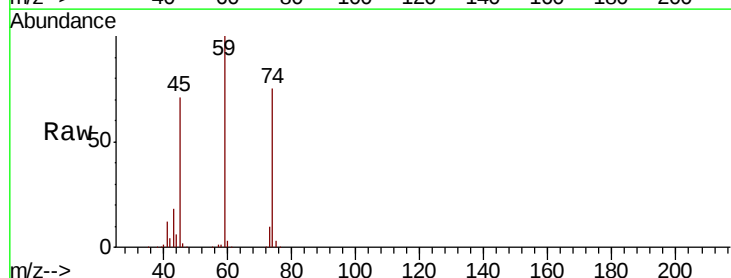
Tot Ion:101 Resp: 803665
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.8 77.6

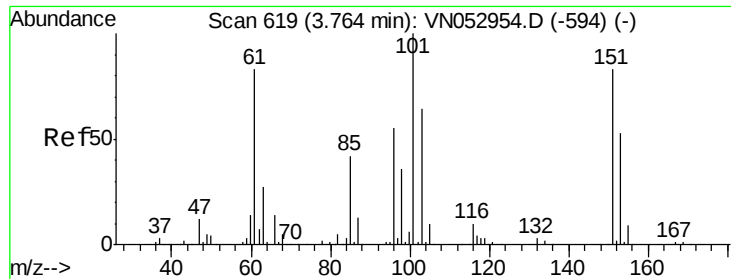


#8

Diethyl Ether
 Concen: 54.521 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 74 Resp: 327381
 Ion Ratio Lower Upper
 74 100
 45 95.6 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.196 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

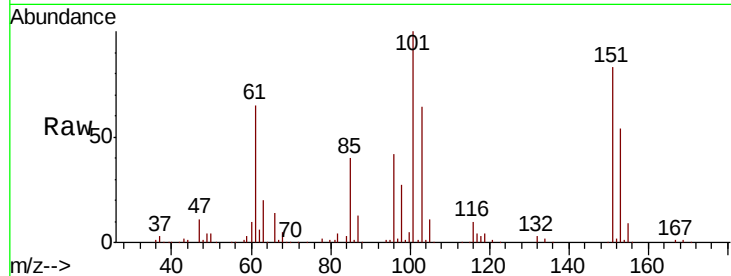
Tot Ion:101 Resp: 509416

Ion Ratio Lower Upper

101 100

85 40.9 33.6 50.4

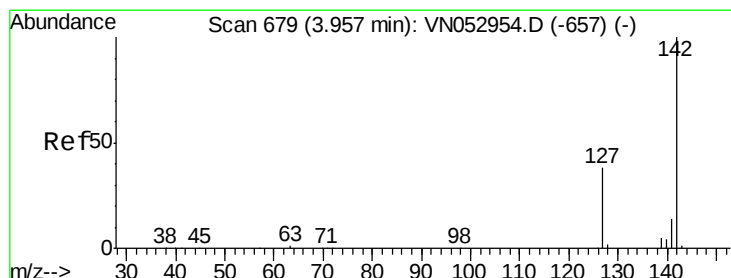
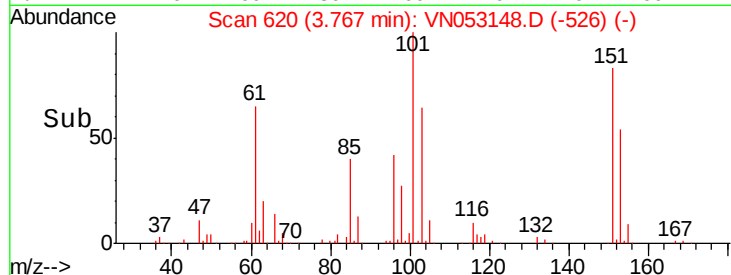
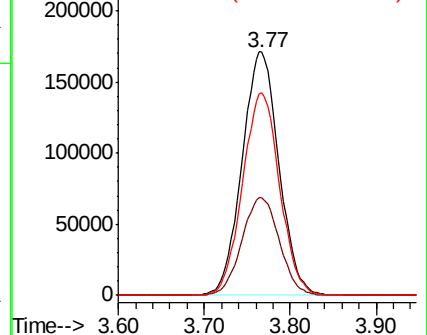
151 83.6 65.5 98.3



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: 50.382 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

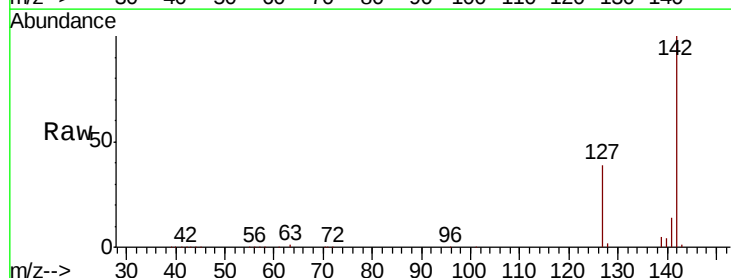
Tgt Ion:142 Resp: 718033

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.6

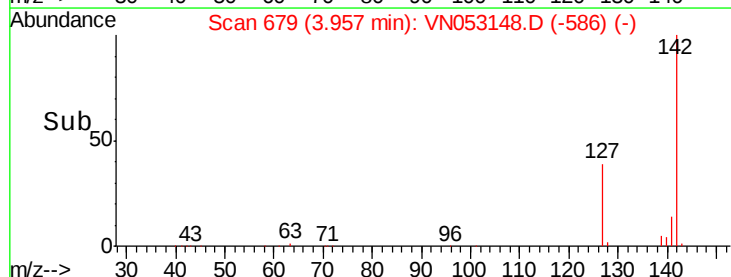
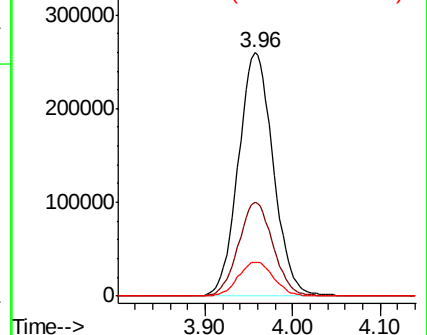
141 14.2 11.2 16.8

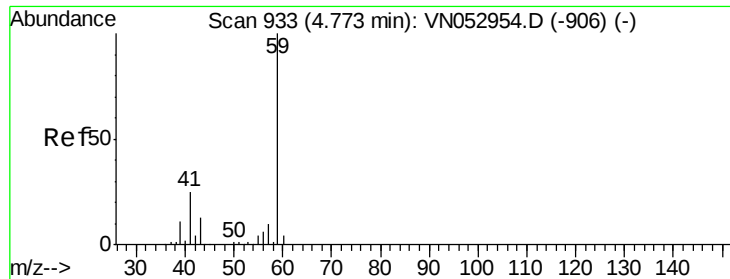


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



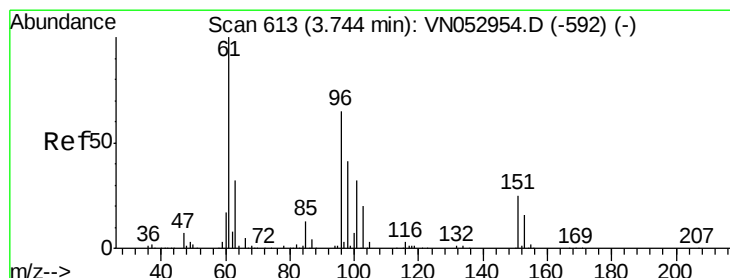
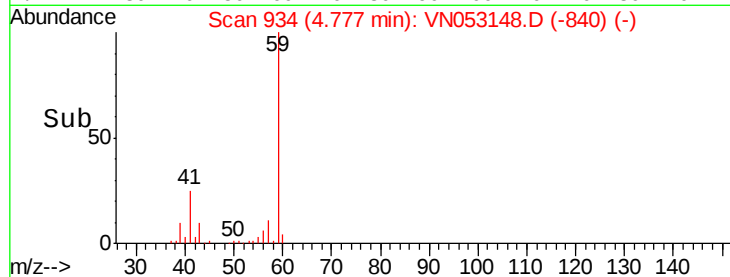
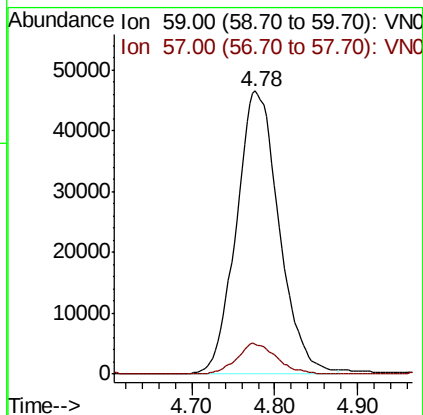
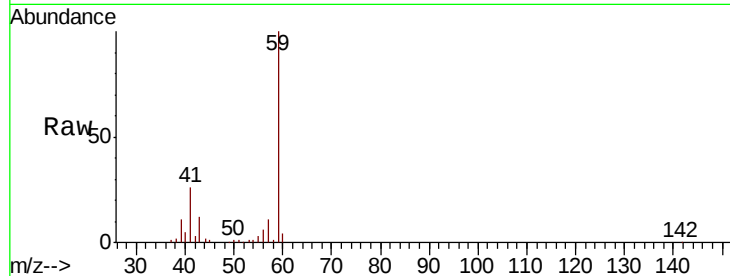


#11

Tert butyl alcohol
 Concen: 261.684 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

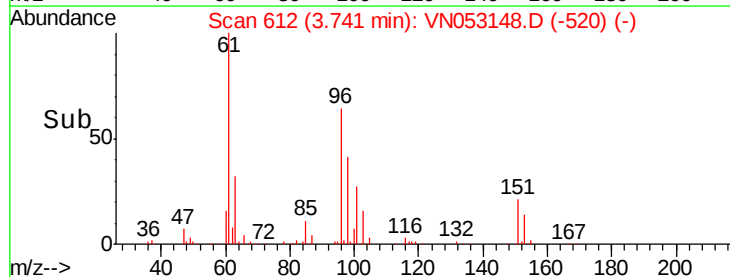
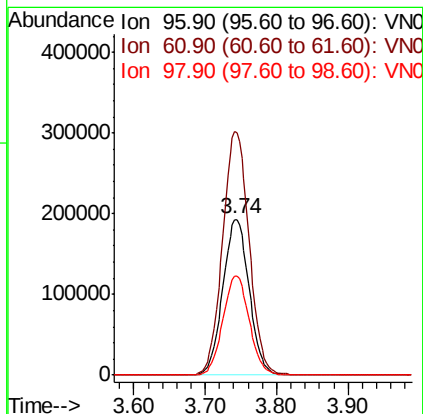
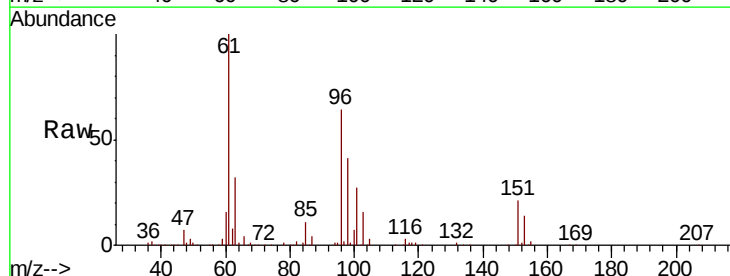
Tot Ion: 59 Resp: 166680
 Ion Ratio Lower Upper
 59 100
 57 10.2 7.7 11.5

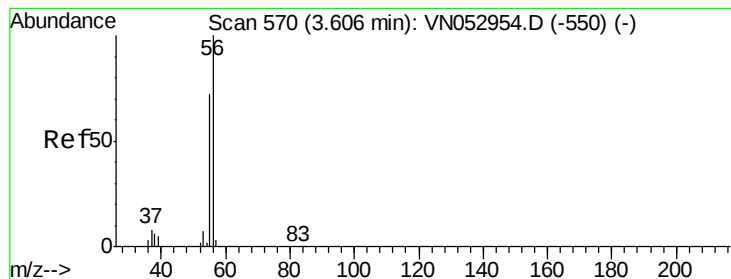


#12

1,1-Dichloroethene
 Concen: 50.539 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 96 Resp: 495515
 Ion Ratio Lower Upper
 96 100
 61 156.2 125.6 188.4
 98 63.6 50.6 75.8





#13

Acrolein

Concen: 438.799 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

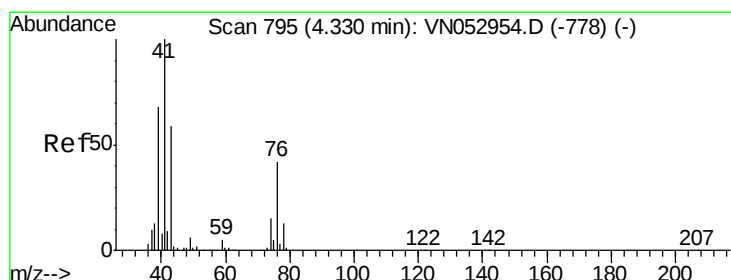
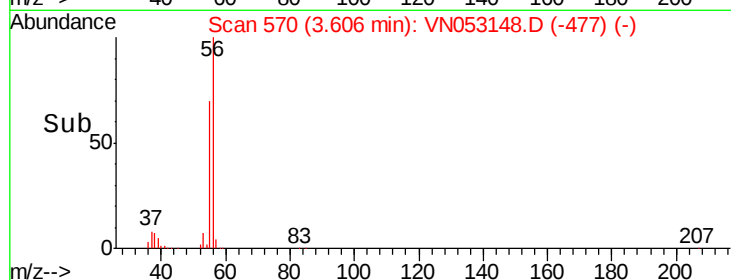
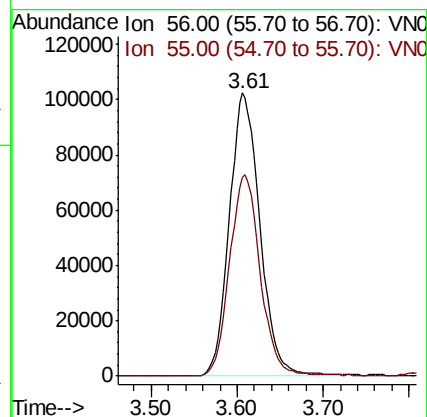
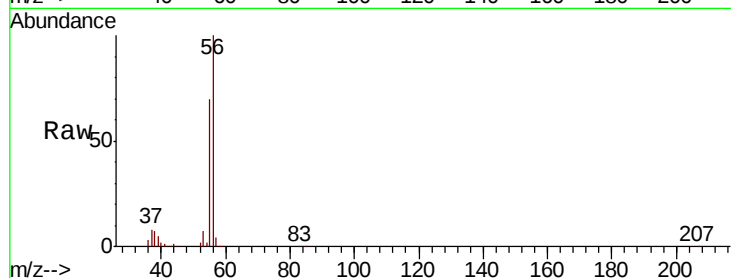
VSTDCCC050

Tot Ion: 56 Resp: 253428

Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0



#14

Allyl chloride

Concen: 54.952 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

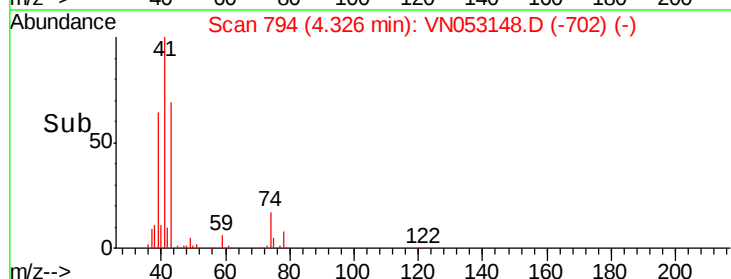
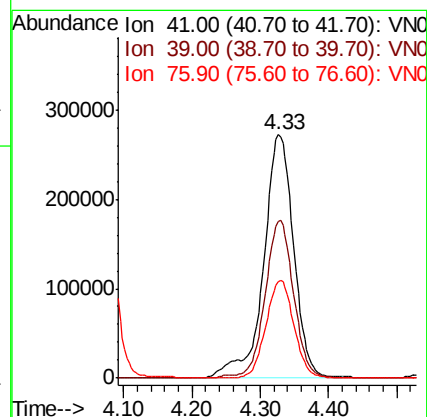
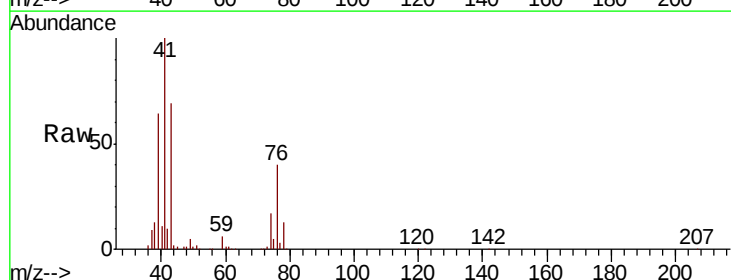
Tgt Ion: 41 Resp: 834551

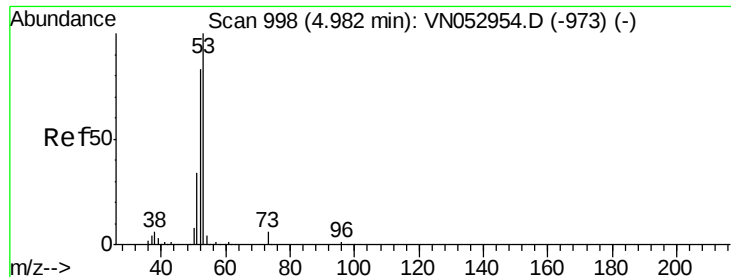
Ion Ratio Lower Upper

41 100

39 61.5 54.1 81.1

76 36.6 30.3 45.5





#15

Acrylonitrile

Concen: 277.326 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

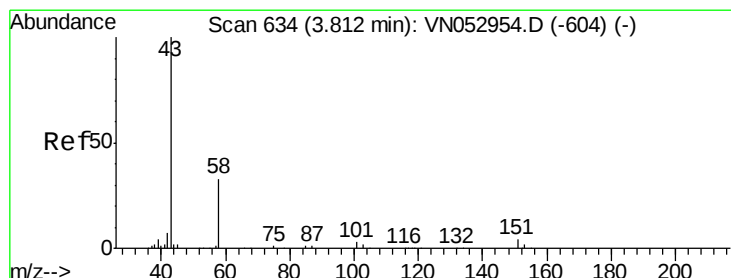
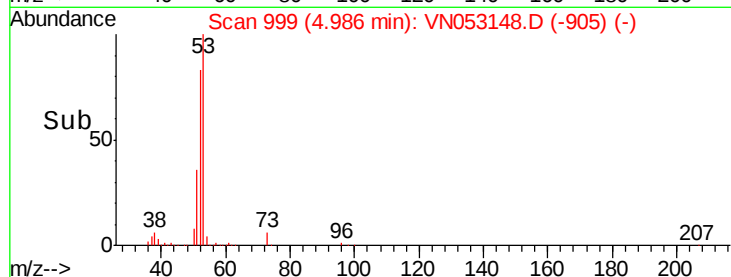
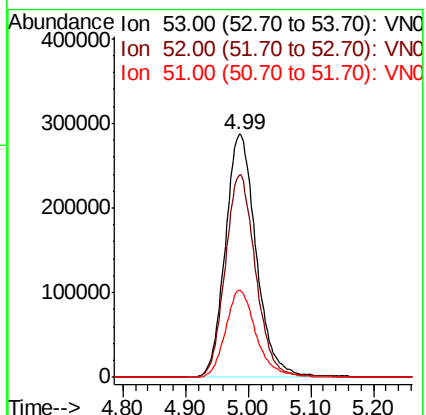
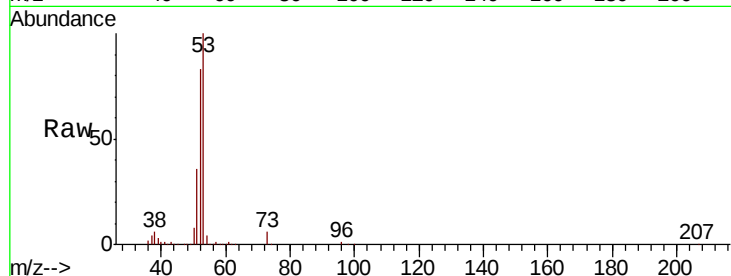
Tot Ion: 53 Resp: 981341

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

51 35.8 28.1 42.1



#16

Acetone

Concen: 298.233 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053148.D

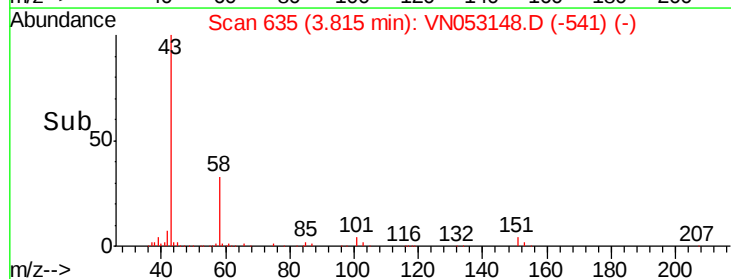
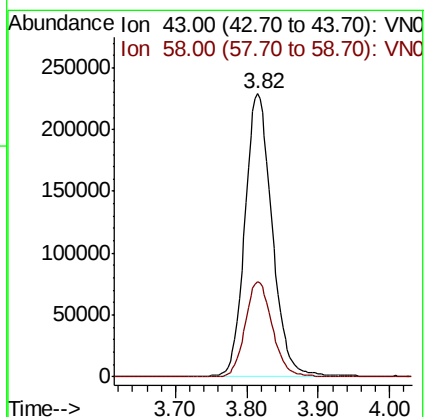
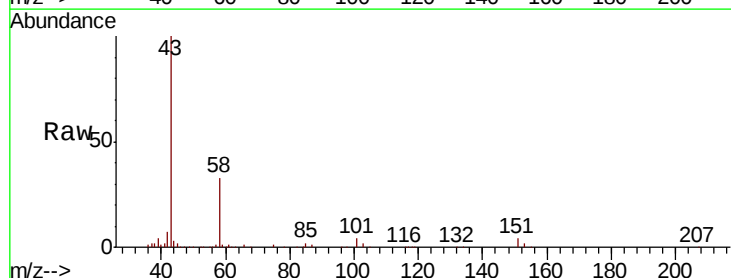
Acq: 22 Dec 2018 22:32

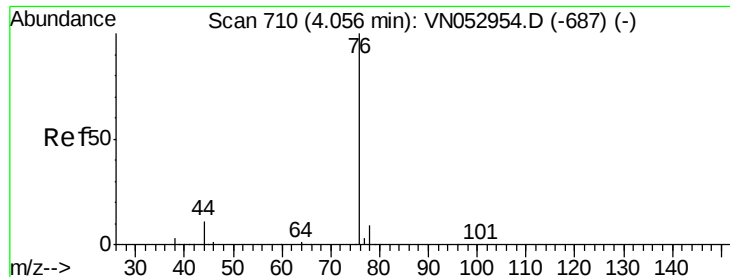
Tgt Ion: 43 Resp: 610415

Ion Ratio Lower Upper

43 100

58 33.3 25.4 38.0





#17

Carbon Disulfide

Concen: 42.696 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

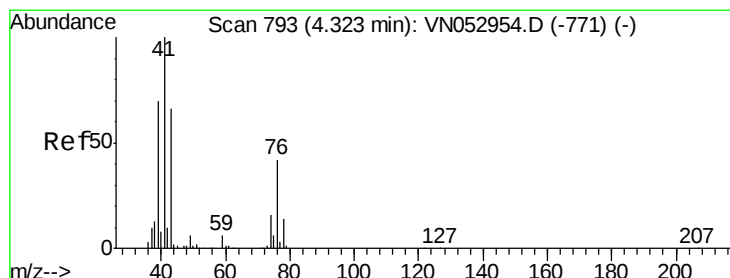
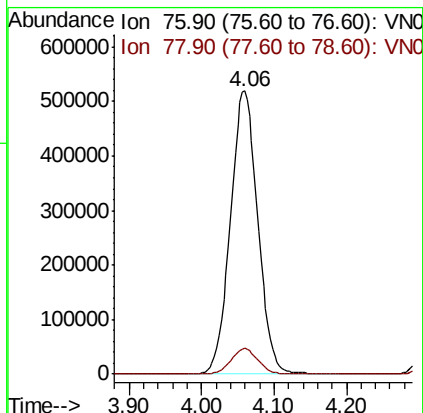
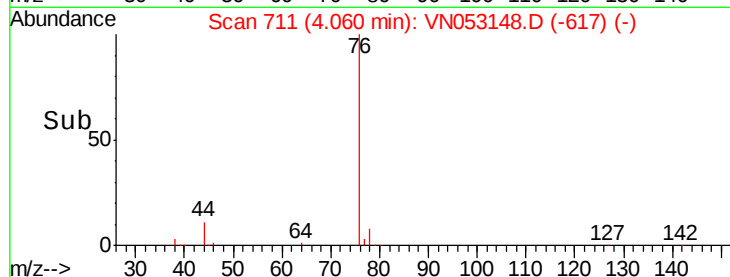
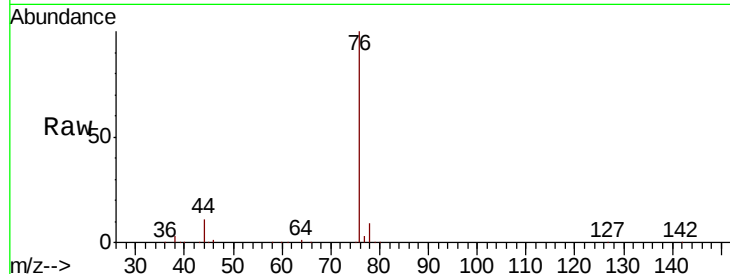
VSTDCCC050

Tot Ion: 76 Resp: 1365205

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 57.941 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053148.D

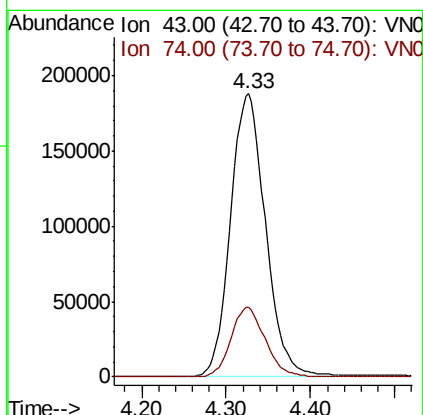
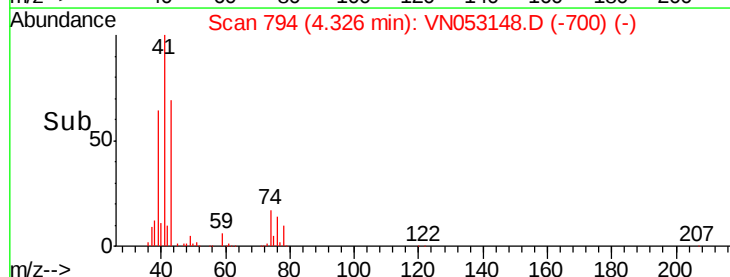
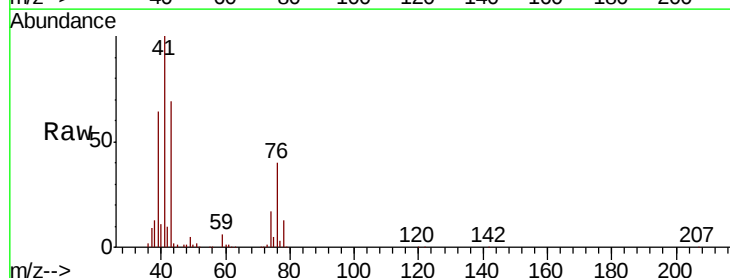
Acq: 22 Dec 2018 22:32

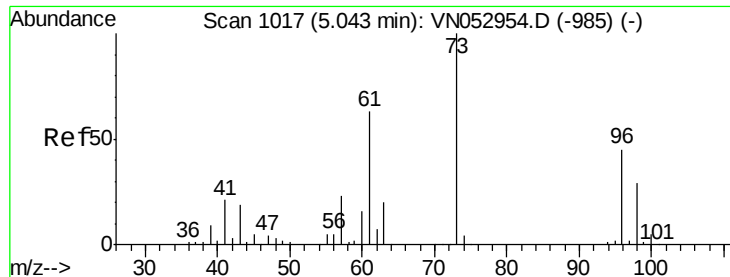
Tgt Ion: 43 Resp: 539751

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8

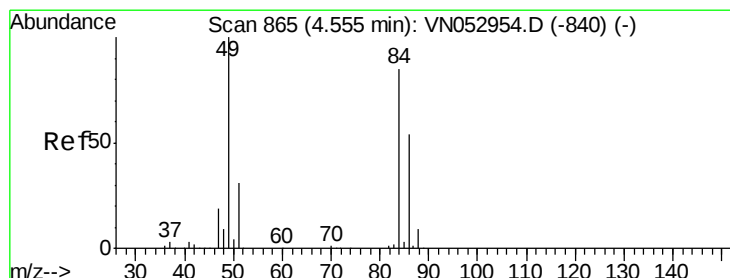
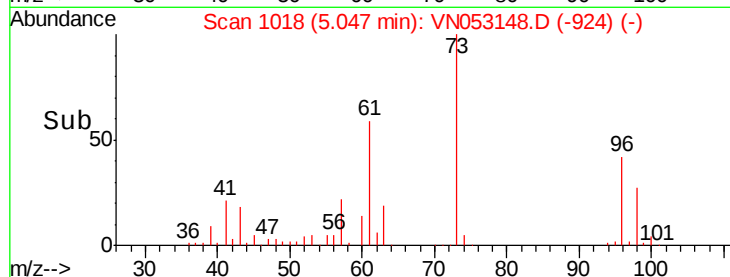
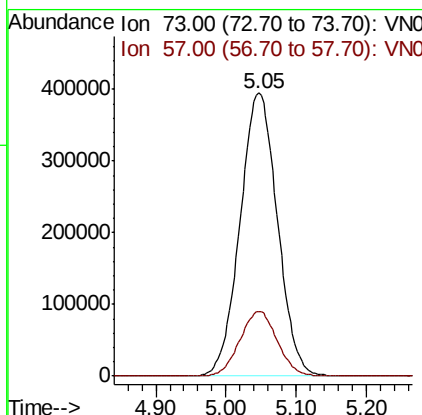
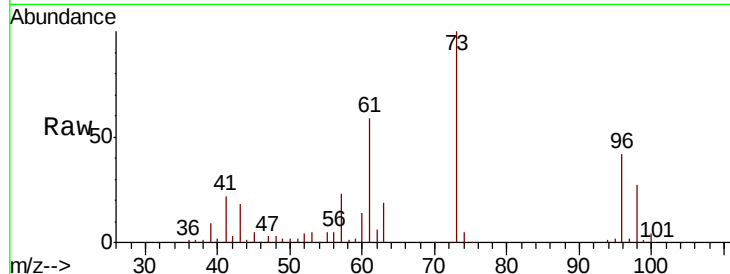




#19
Methvl tert-butvl Ether
Concen: 55.638 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

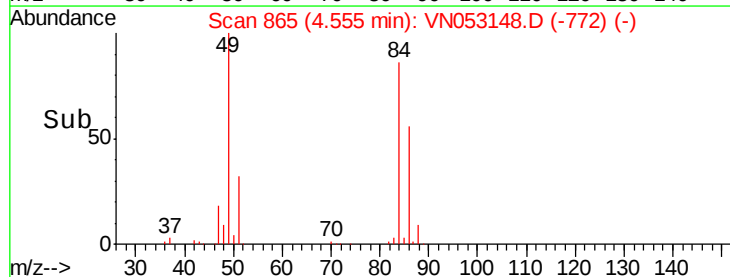
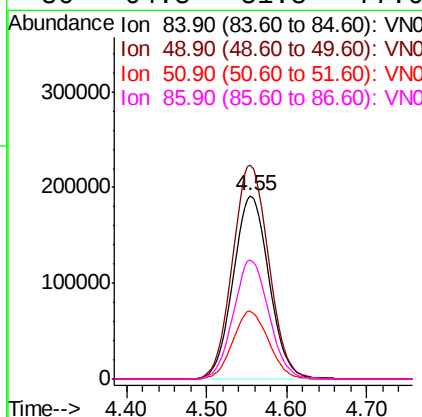
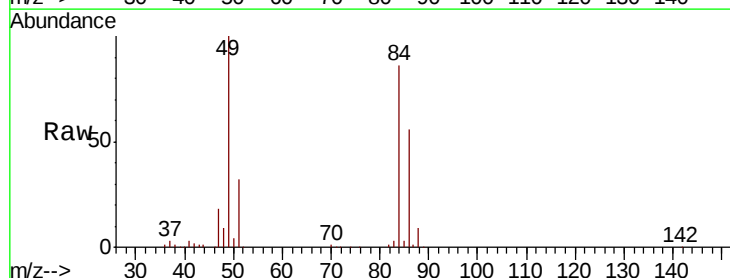
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

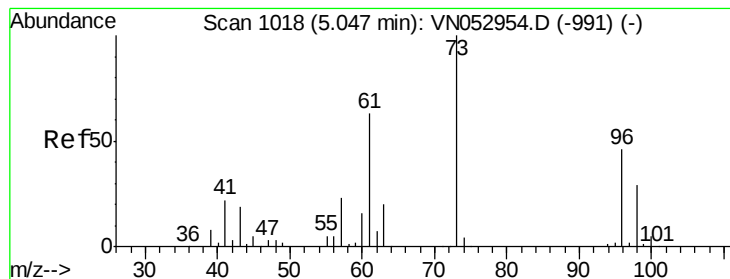
Tot Ion: 73 Resp: 1459816
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 52.134 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 84 Resp: 582070
Ion Ratio Lower Upper
84 100
49 116.6 96.8 145.2
51 37.0 29.9 44.9
86 64.8 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 50.354 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

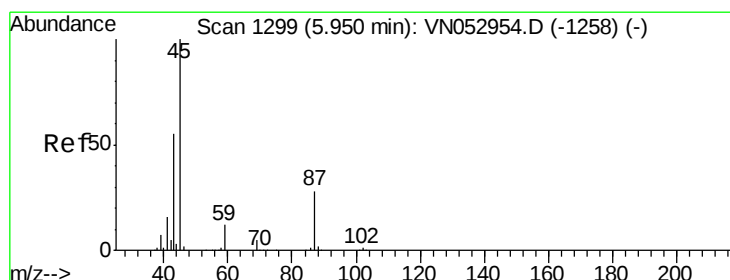
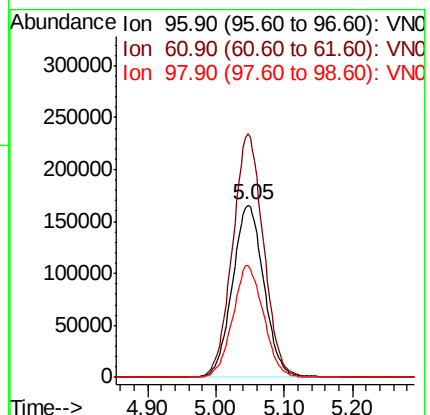
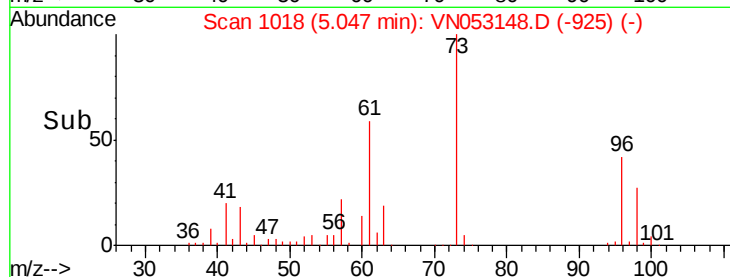
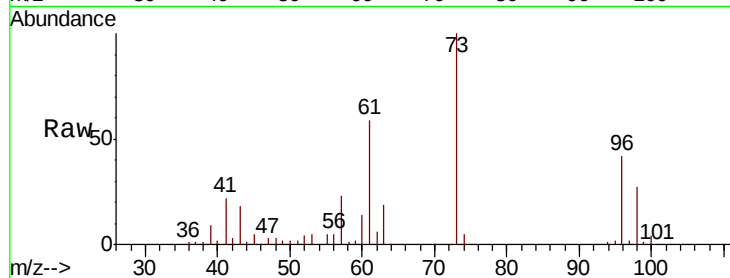
Tot Ion: 96 Resp: 530435

Ion Ratio Lower Upper

96 100

61 141.3 110.8 166.2

98 64.7 51.4 77.2



#22

Diisopropyl ether

Concen: 56.295 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Tgt Ion: 45 Resp: 1824898

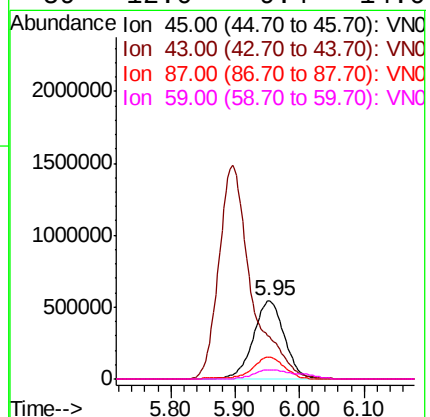
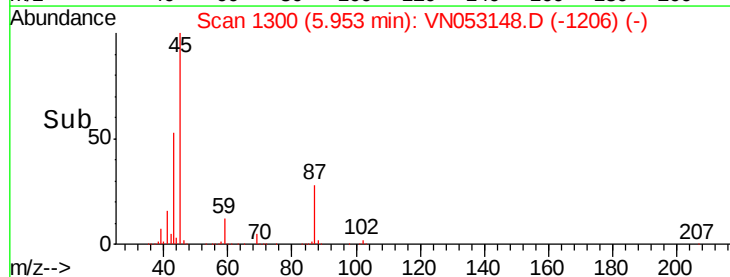
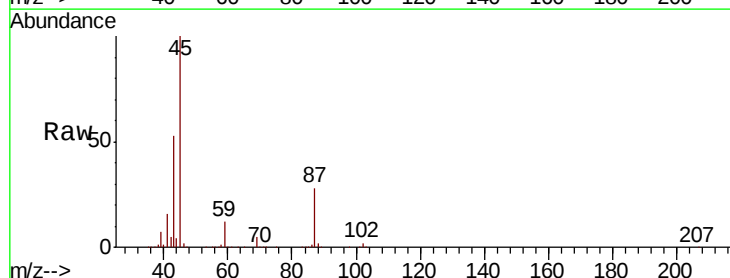
Ion Ratio Lower Upper

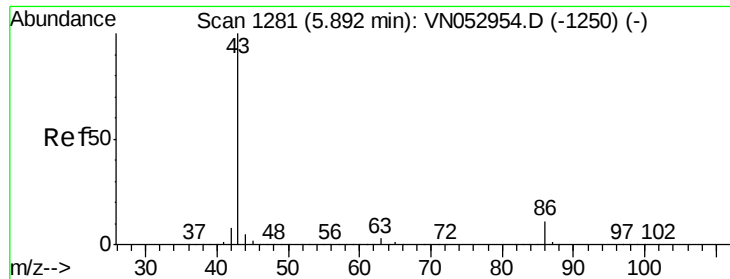
45 100

43 52.8 45.5 68.3

87 28.2 22.0 33.0

59 12.0 9.4 14.0

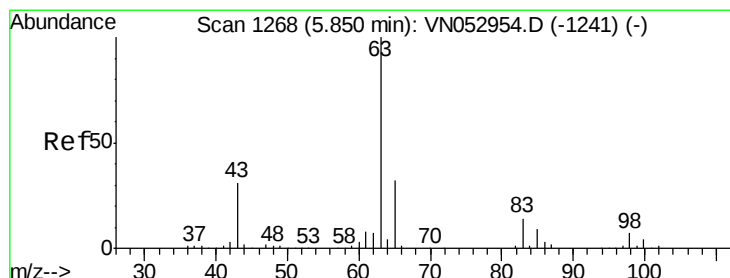
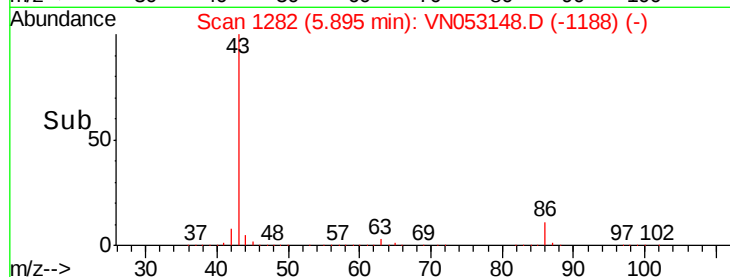
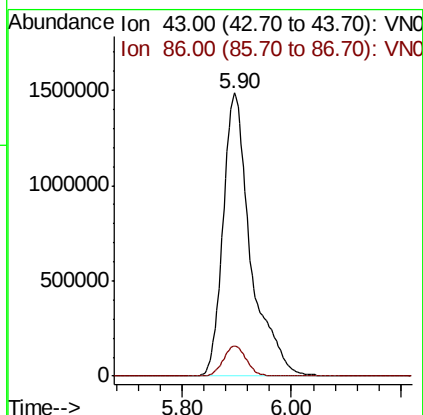
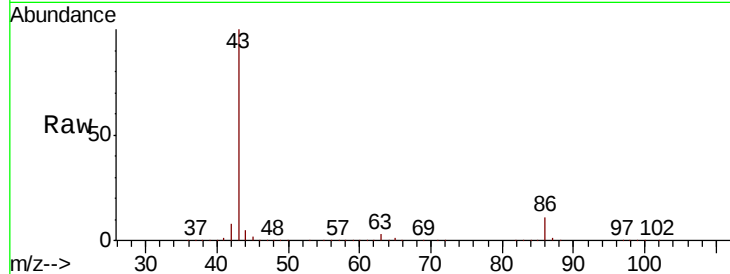




#23
 Vinyl Acetate
 Concen: 279.991 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

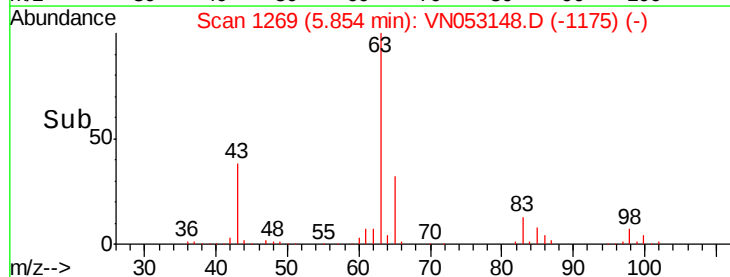
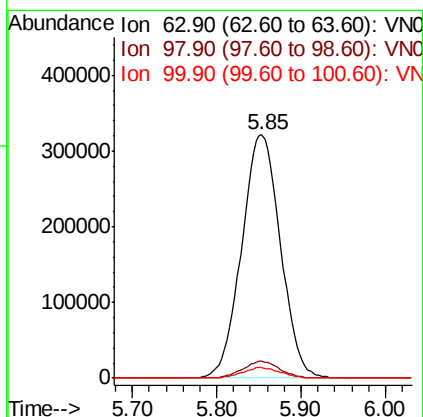
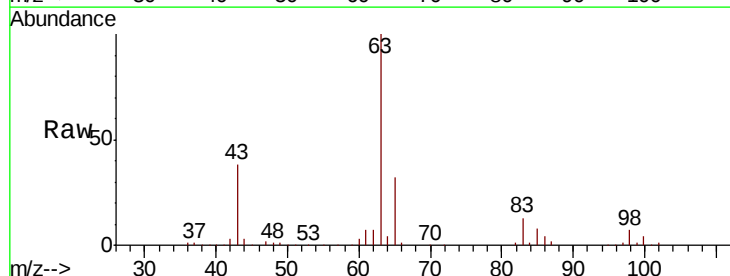
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

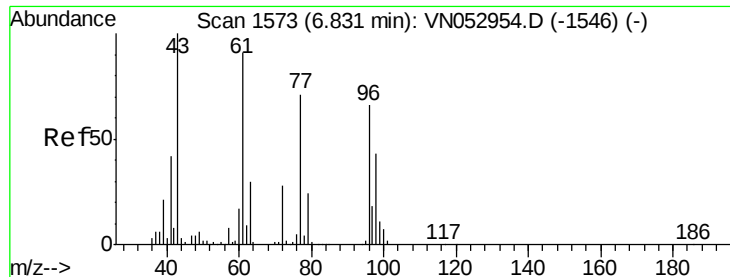
Tot Ion: 43 Resp: 5219226
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.1 12.1



#24
 1,1-Dichloroethane
 Concen: 53.254 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 63 Resp: 1025833
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.1 9.4
 100 4.2 2.0 5.8

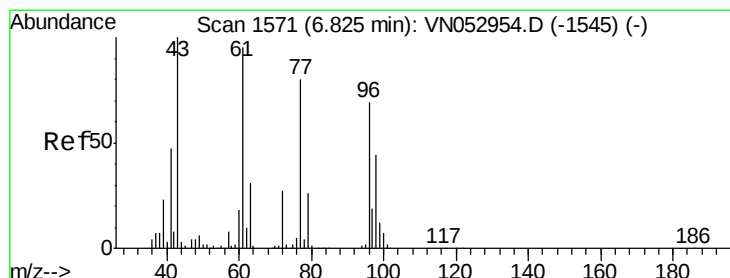
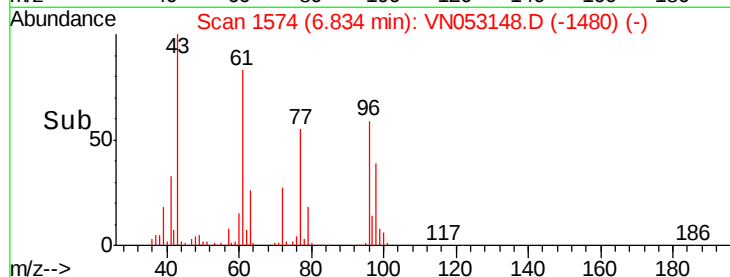
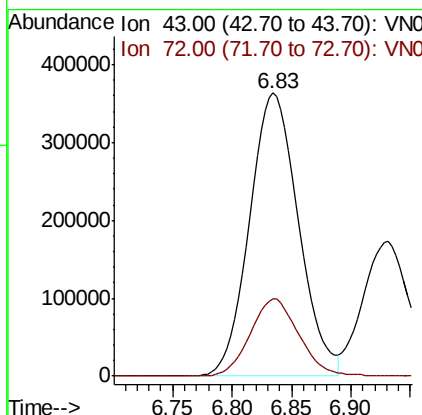
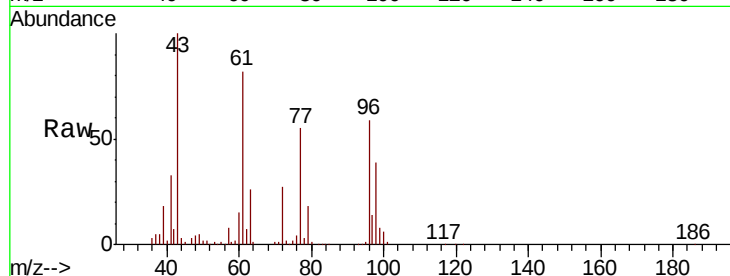




#25
2-Butanone
Concen: 301.042 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

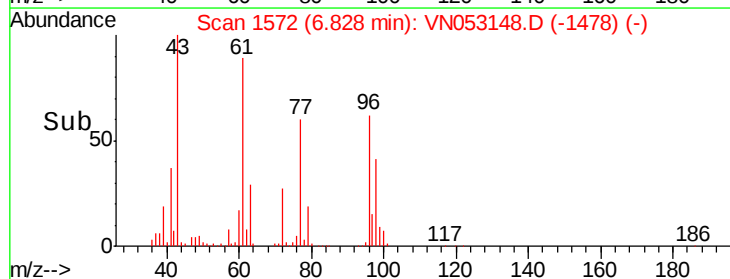
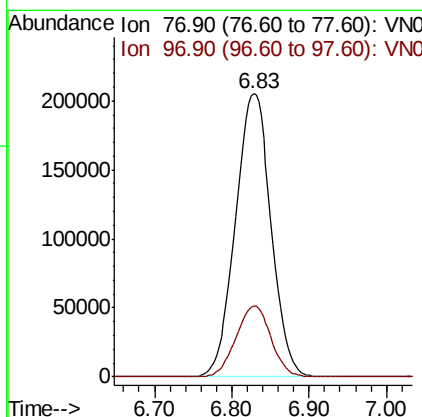
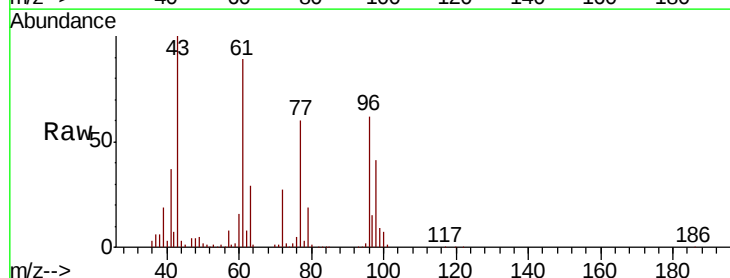
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

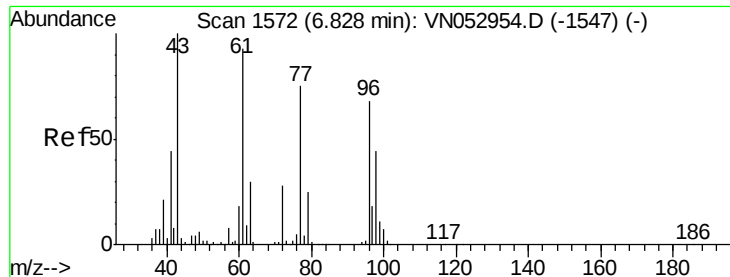
Tot Ion: 43 Resp: 1034075
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#26
2,2-Dichloropropane
Concen: 44.640 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 77 Resp: 656421
Ion Ratio Lower Upper
77 100
97 24.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 52.374 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

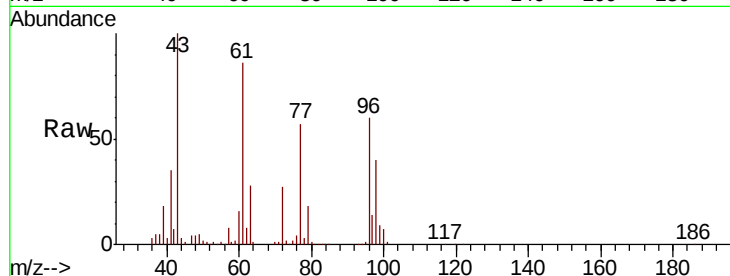
Tot Ion: 96 Resp: 624610

Ion Ratio Lower Upper

96 100

61 141.2 0.0 284.2

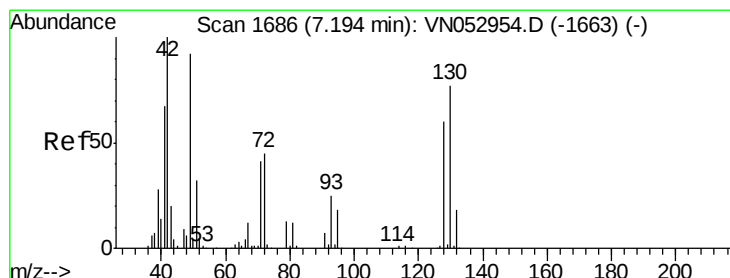
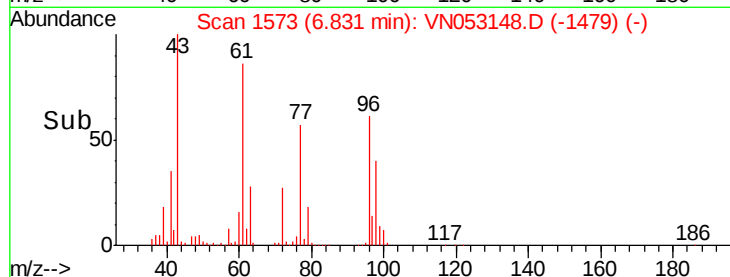
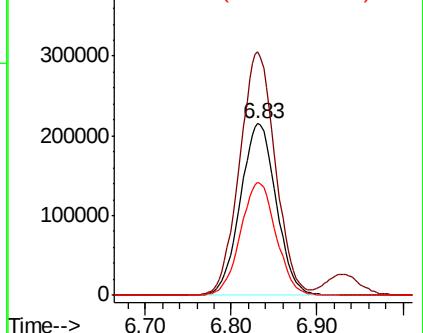
98 65.0 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN052954.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052954.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052954.D (-1547) (-)



#28

Bromochloromethane

Concen: 55.132 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

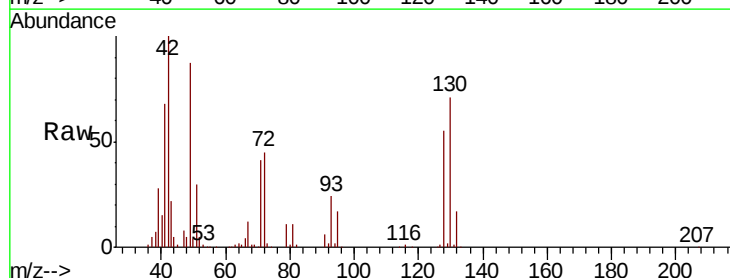
Tgt Ion: 49 Resp: 460186

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

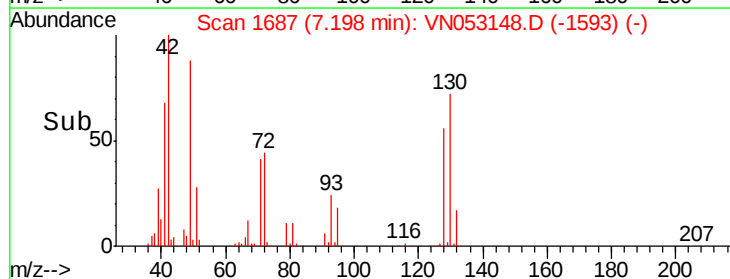
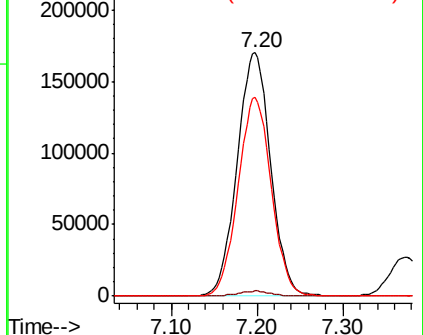
130 81.2 63.3 94.9

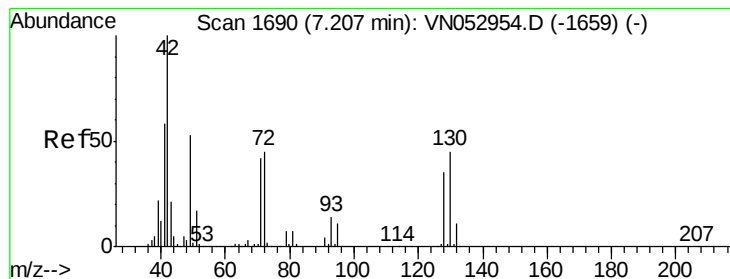


Abundance Ion 48.90 (48.60 to 49.60): VN052954.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN052954.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN052954.D (-1663) (-)





#29

Tetrahydrofuran

Concen: 283.814 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

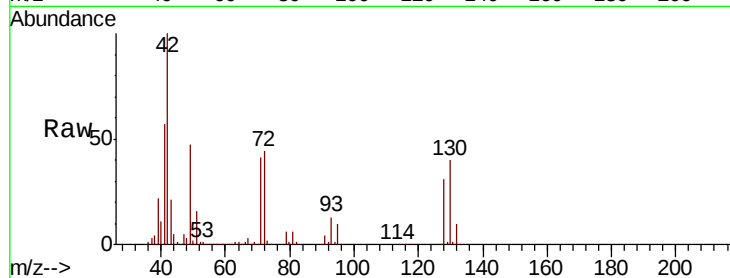
Tot Ion: 42 Resp: 728120

Ion Ratio Lower Upper

42 100

72 43.7 34.7 52.1

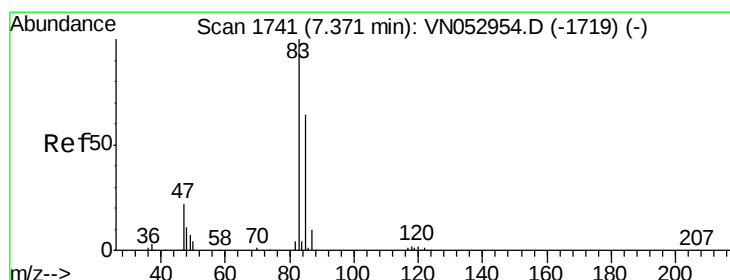
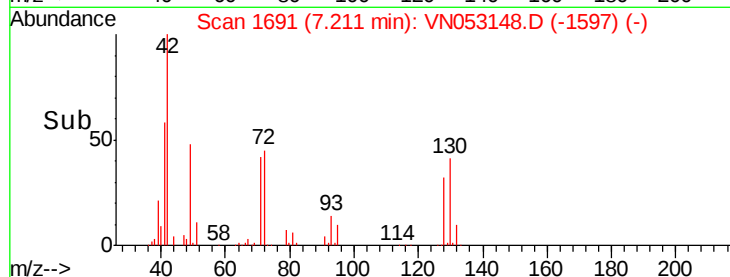
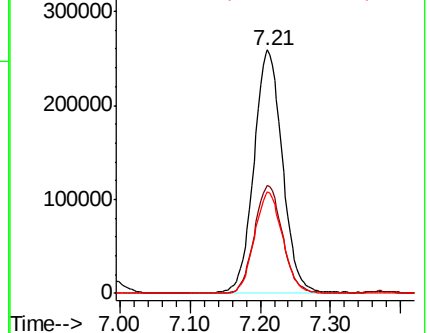
71 41.1 32.3 48.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 52.758 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN053148.D

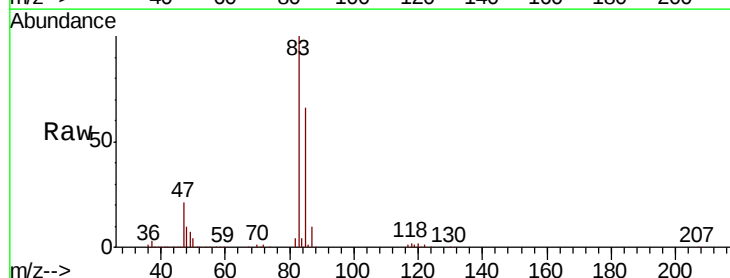
Acq: 22 Dec 2018 22:32

Tgt Ion: 83 Resp: 998331

Ion Ratio Lower Upper

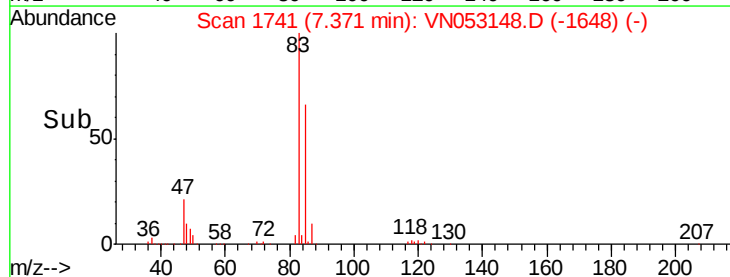
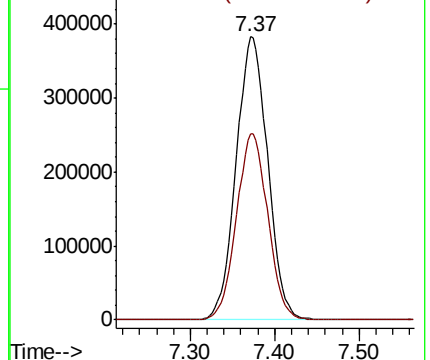
83 100

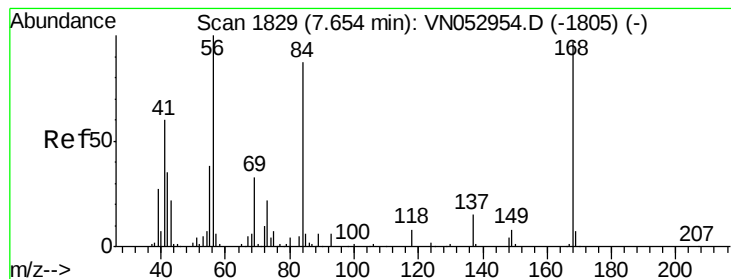
85 65.8 52.1 78.1



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 51.446 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

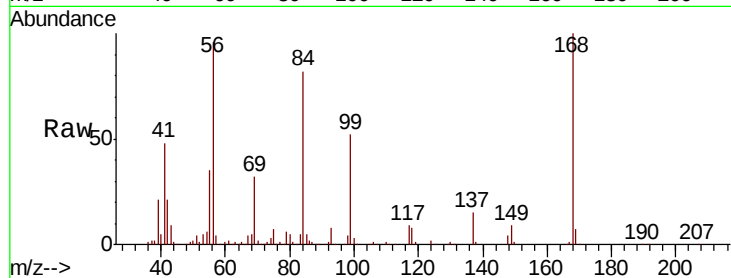
Tot Ion: 56 Resp: 928899

Ion Ratio Lower Upper

56 100

69 32.9 26.6 39.8

84 84.2 68.4 102.6

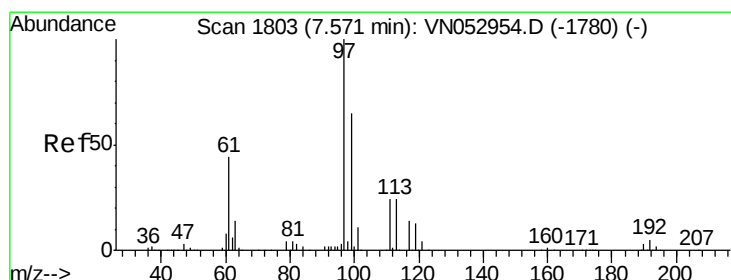
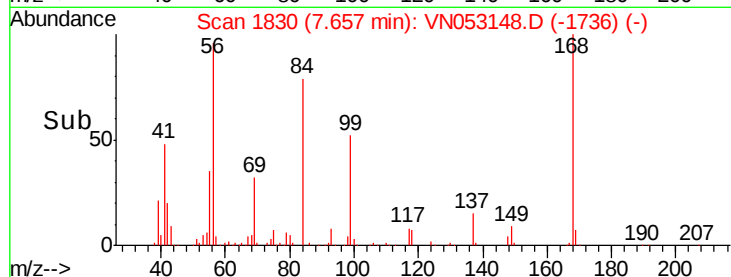
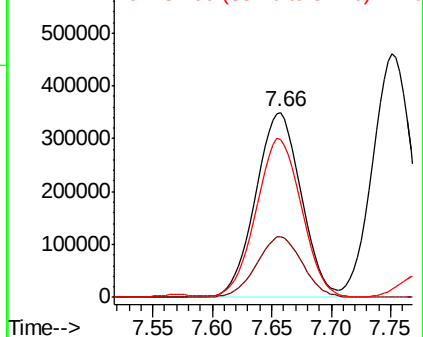


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 51.540 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

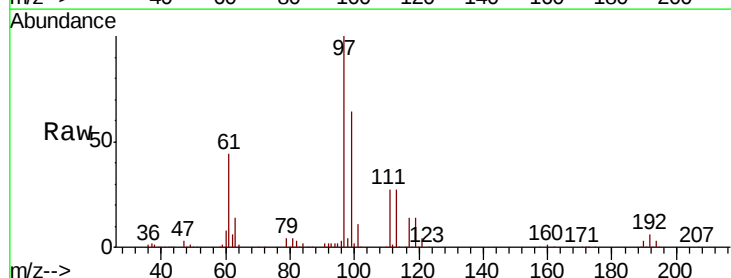
Tgt Ion: 97 Resp: 830824

Ion Ratio Lower Upper

97 100

99 64.5 51.1 76.7

61 43.7 35.0 52.6

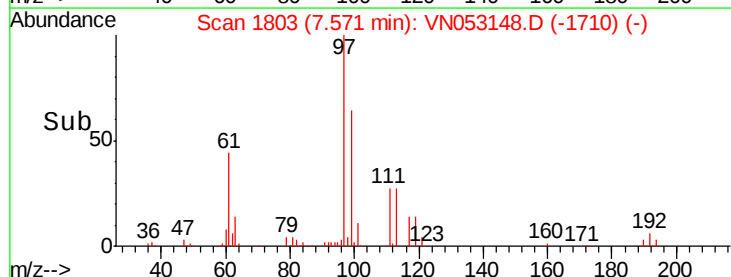
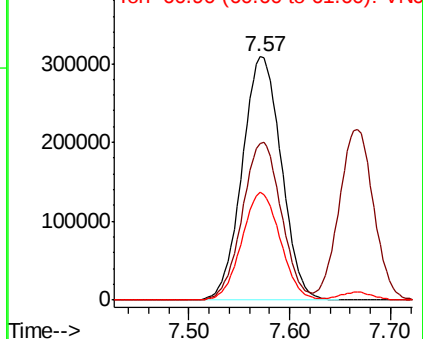


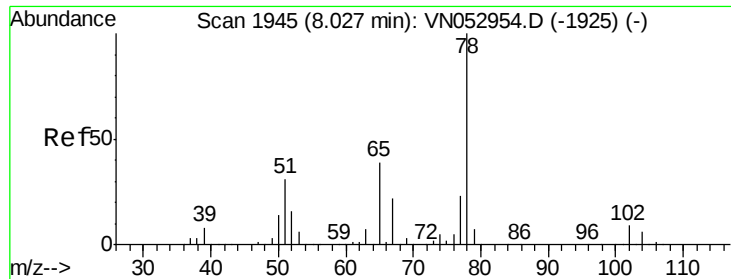
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

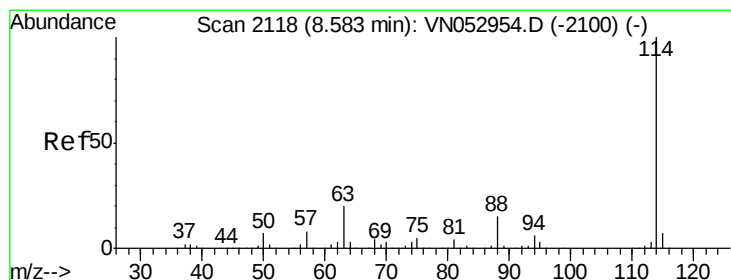
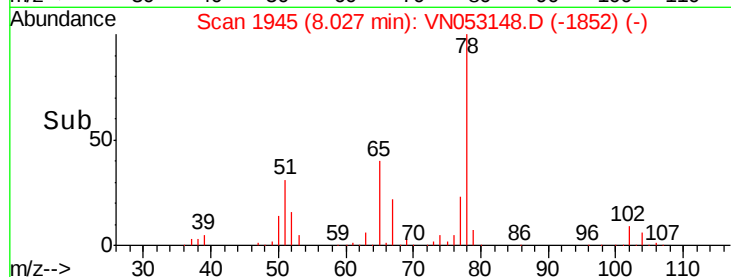
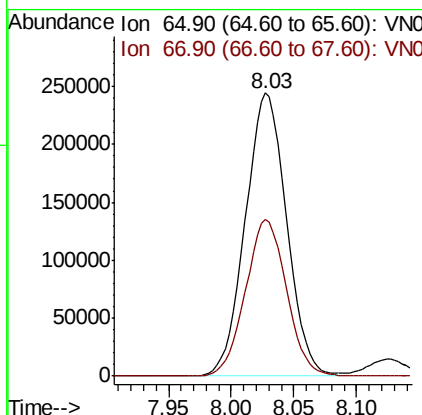
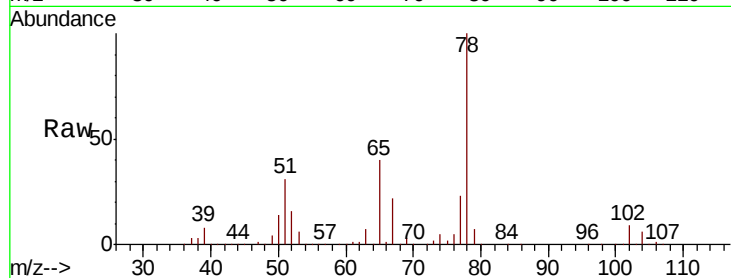




#33
 1,2-Dichloroethane-d4
 Concen: 51.540 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

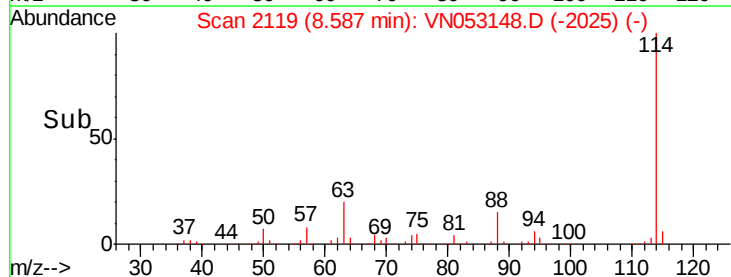
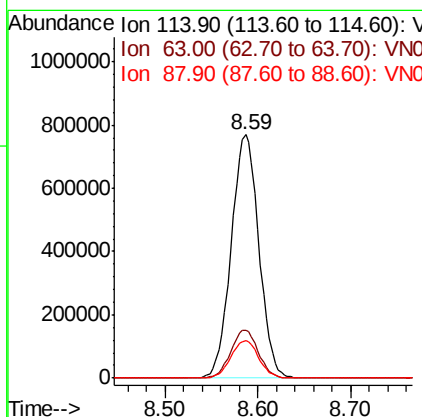
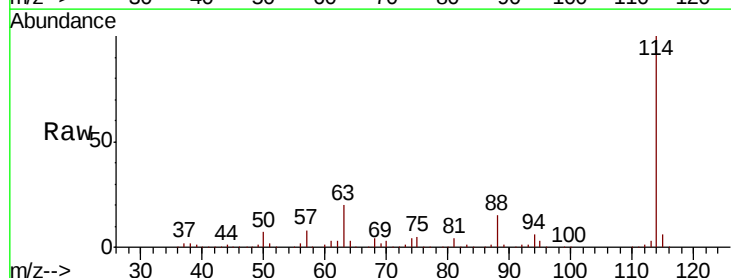
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

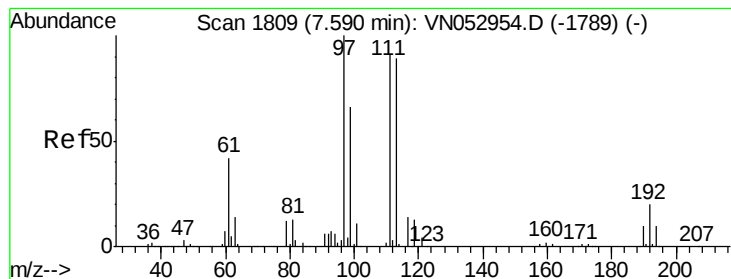
Tot Ion: 65 Resp: 559715
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 114 Resp: 1587428
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

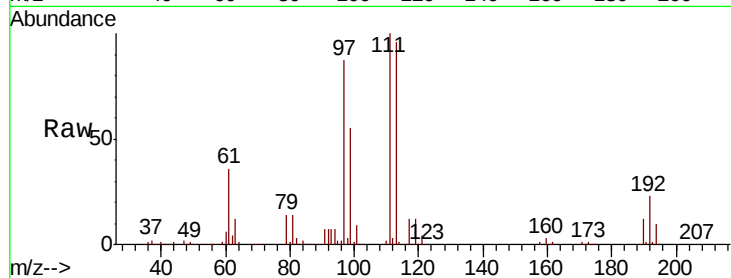
Tot Ion:113 Resp: 451073

Ion Ratio Lower Upper

113 100

111 103.6 83.0 124.4

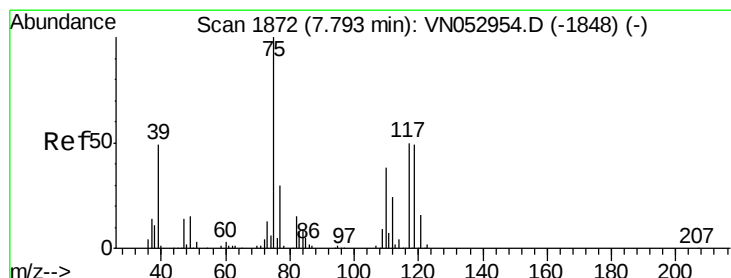
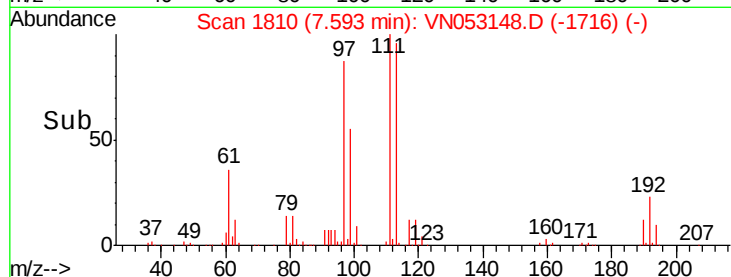
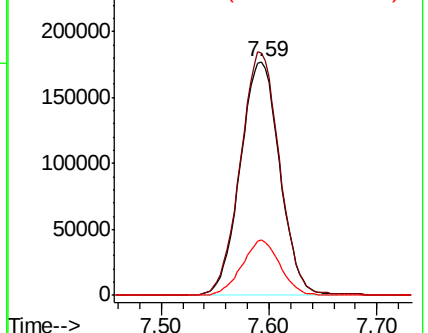
192 22.8 17.5 26.3



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: 50.432 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

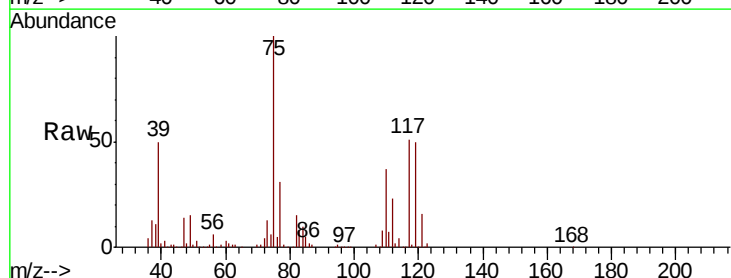
Tgt Ion: 75 Resp: 768415

Ion Ratio Lower Upper

75 100

110 36.8 18.2 54.6

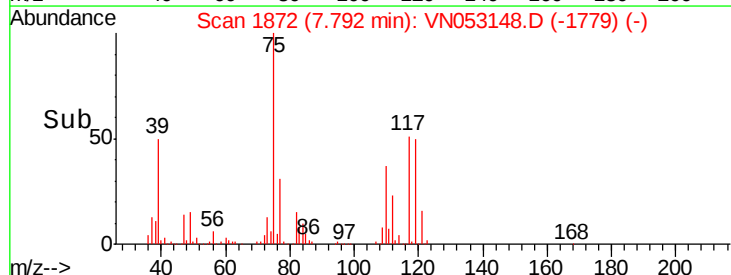
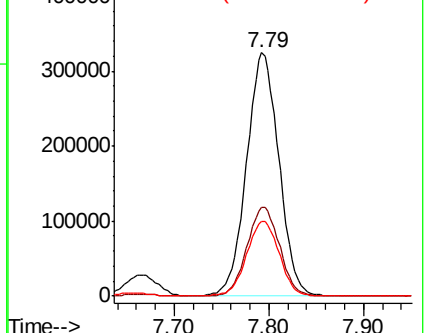
77 31.4 24.9 37.3

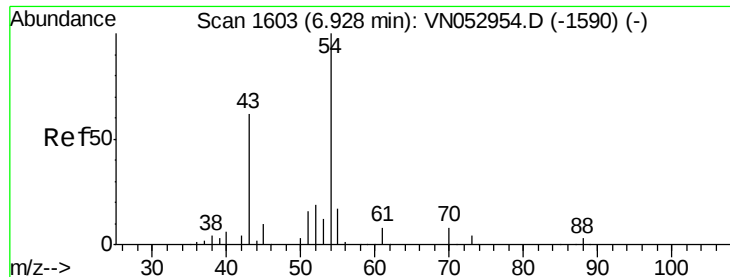


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

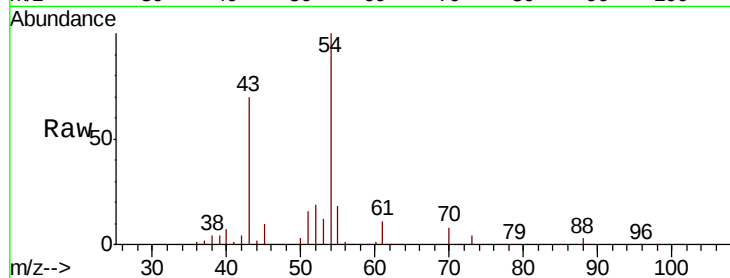




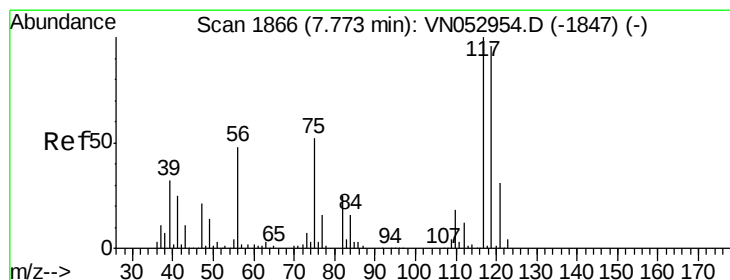
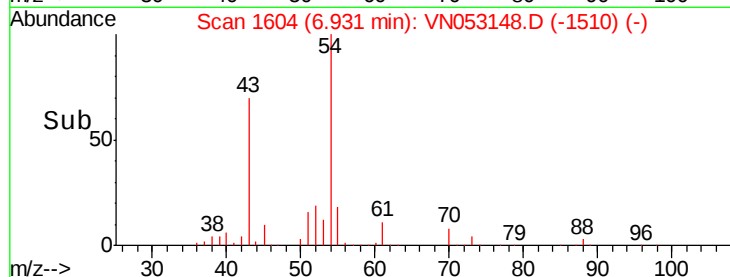
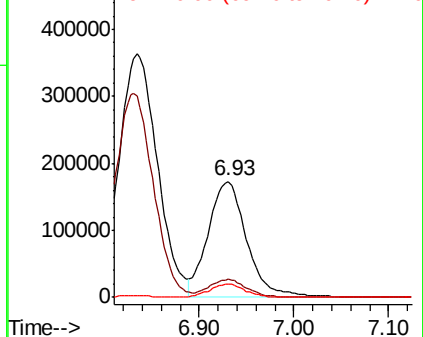
#37
Ethyl Acetate
Concen: 56.854 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 483585
Ion Ratio Lower Upper
43 100
61 15.0 11.8 17.6
70 10.4 8.4 12.6

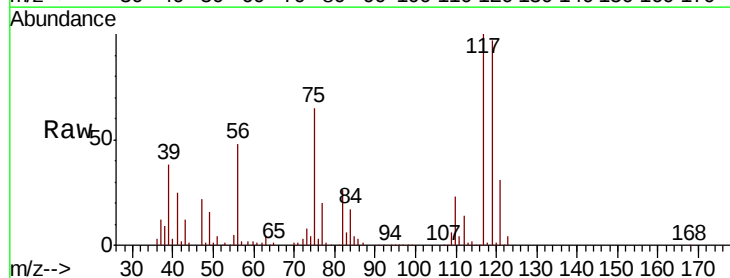


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

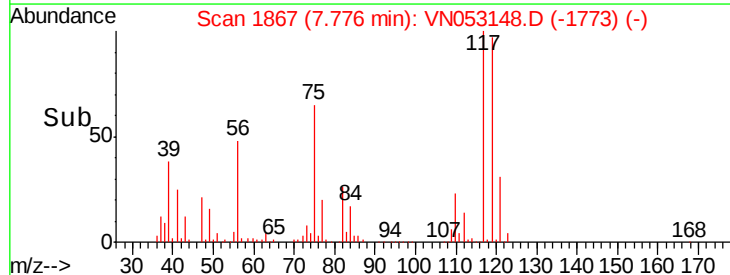
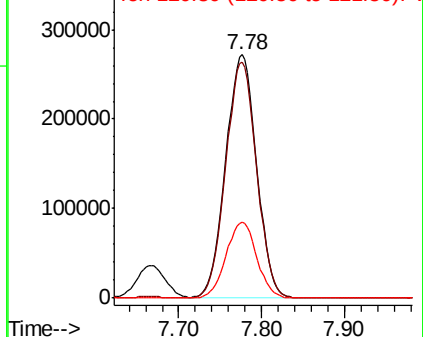


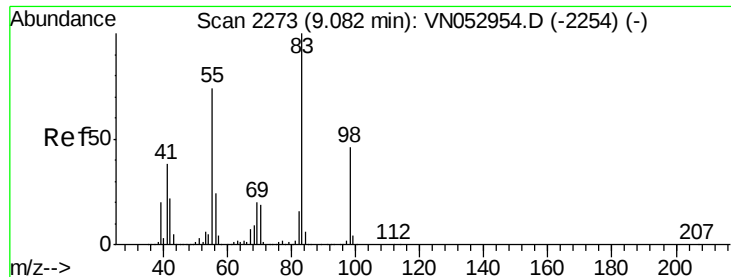
#38
Carbon Tetrachloride
Concen: 50.436 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 117 Resp: 704368
Ion Ratio Lower Upper
117 100
119 96.7 77.1 115.7
121 31.2 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

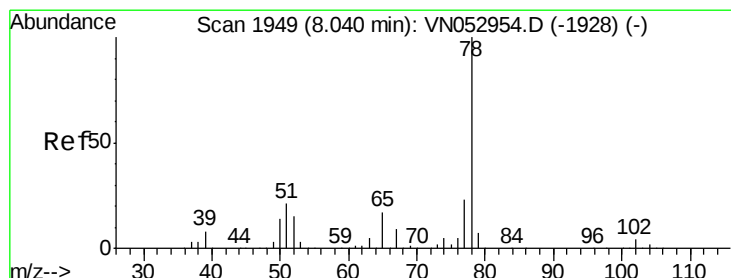
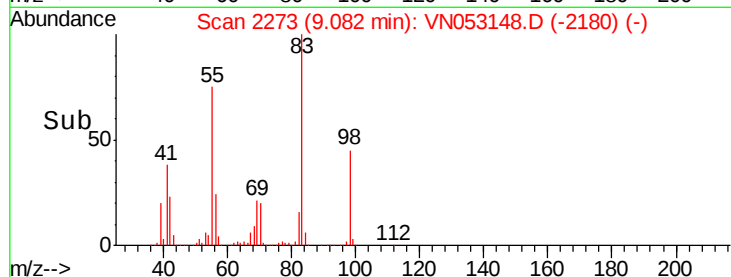
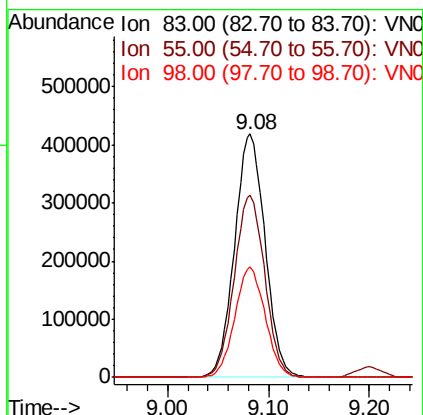
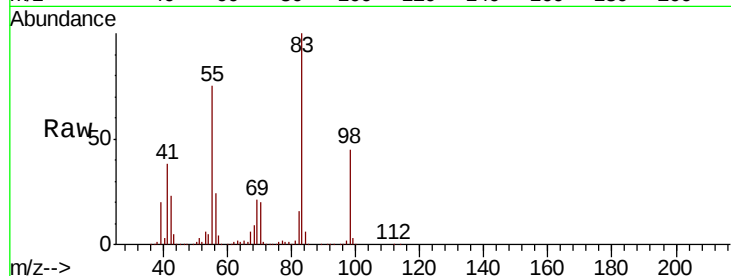




#39
Methvlcvclohexane
Concen: 47.426 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

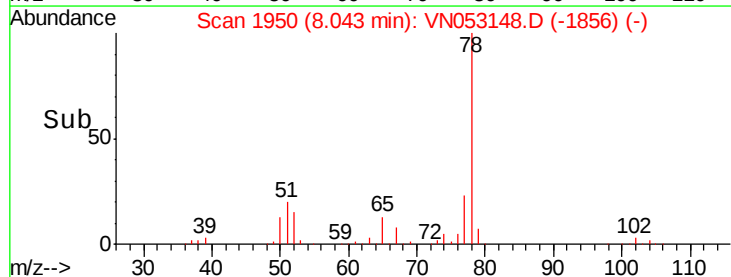
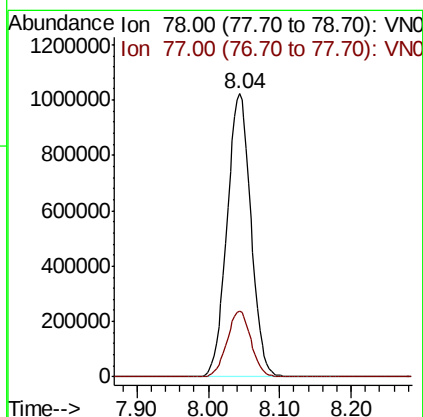
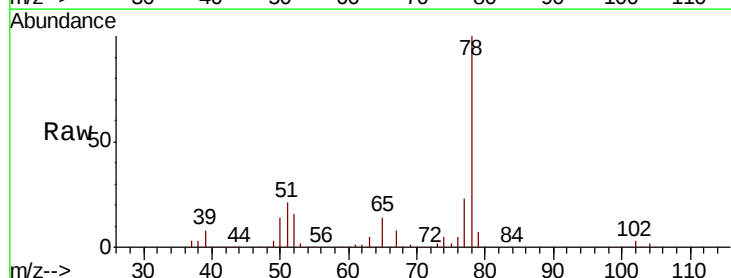
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

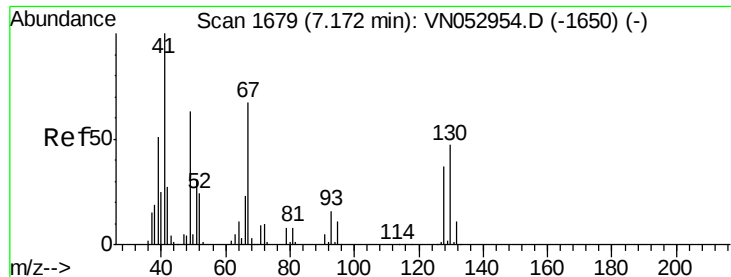
Tot Ion: 83 Resp: 877817
Ion Ratio Lower Upper
83 100
55 74.6 61.3 91.9
98 45.3 37.0 55.4



#40
Benzene
Concen: 52.671 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 78 Resp: 2387092
Ion Ratio Lower Upper
78 100
77 23.4 18.5 27.7

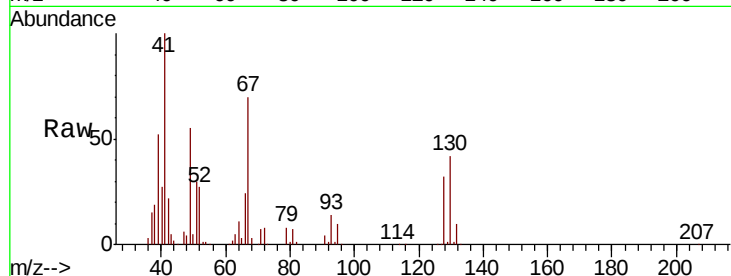




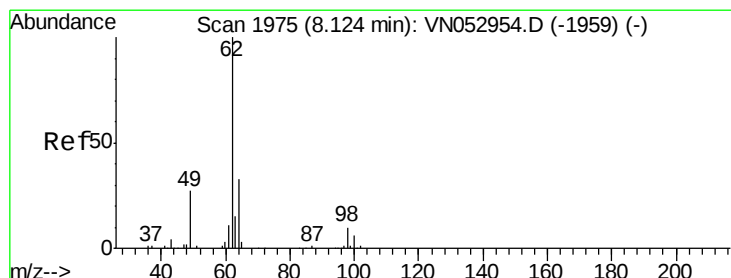
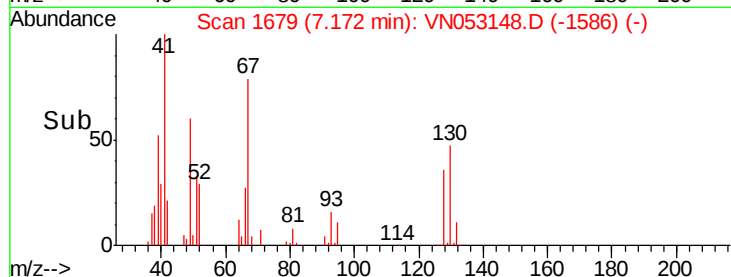
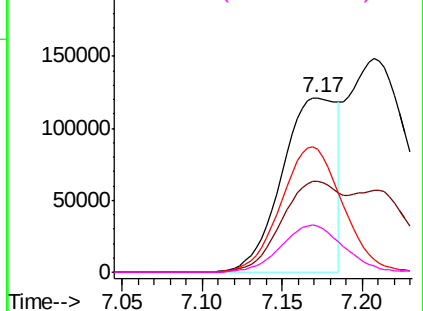
#41
Methacrylonitrile
Concen: 58.860 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 289274
Ion Ratio Lower Upper
41 100
39 58.3 48.0 72.0
67 81.2 70.3 105.5
52 30.5 26.9 40.3

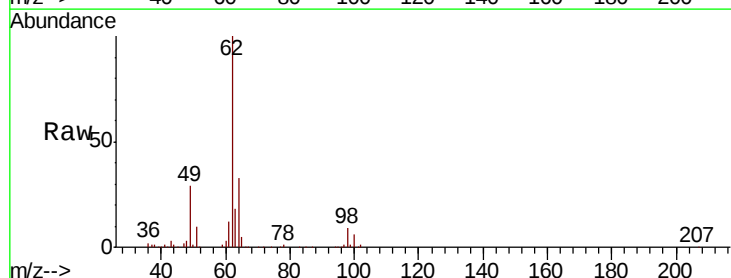


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

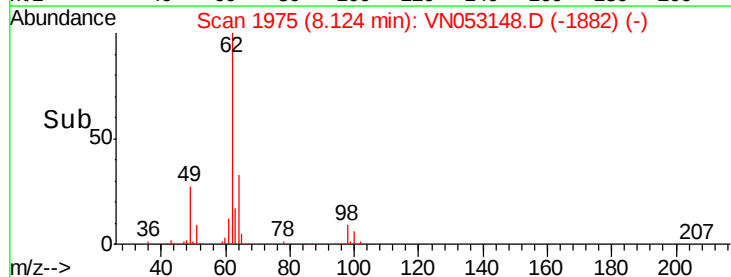
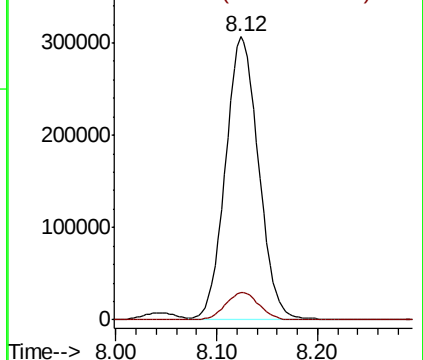


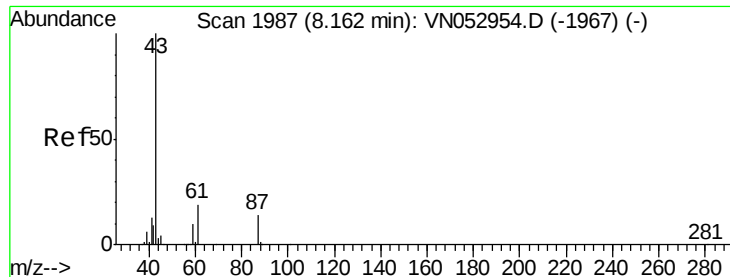
#42
1,2-Dichloroethane
Concen: 52.249 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 62 Resp: 699534
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 55.135 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

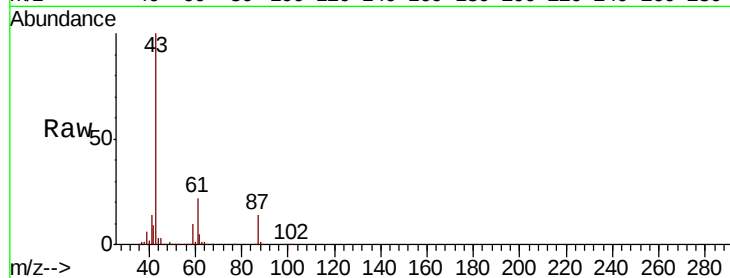
Tot Ion: 43 Resp: 905769

Ion Ratio Lower Upper

43 100

61 29.6 22.9 34.3

87 13.8 10.6 15.8

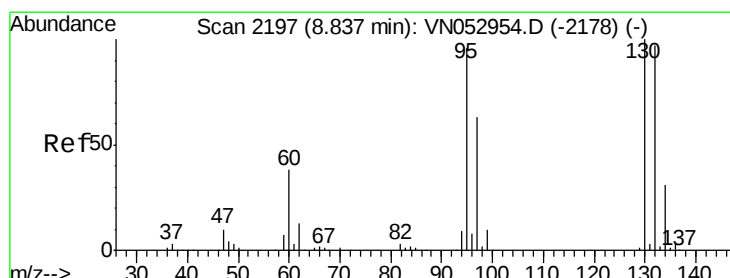
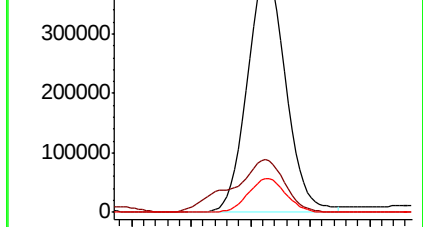
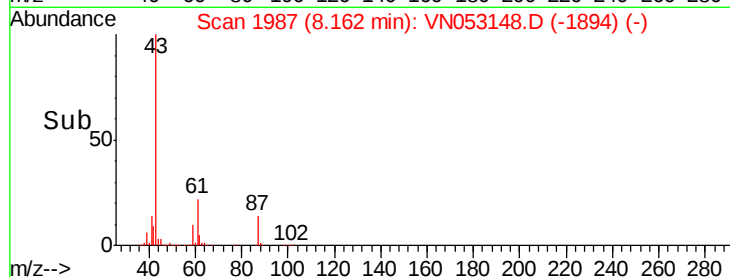


Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN052954.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052954.D (-1967) (-)

Time-->



#44

Trichloroethene

Concen: 49.497 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053148.D

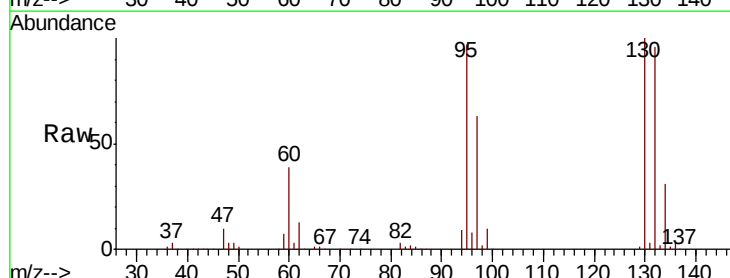
Acq: 22 Dec 2018 22:32

Tgt Ion: 130 Resp: 648836

Ion Ratio Lower Upper

130 100

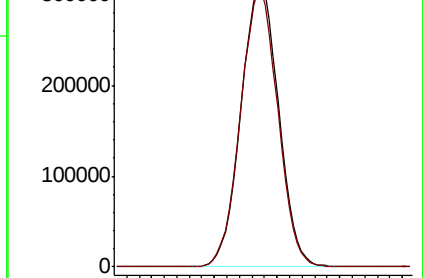
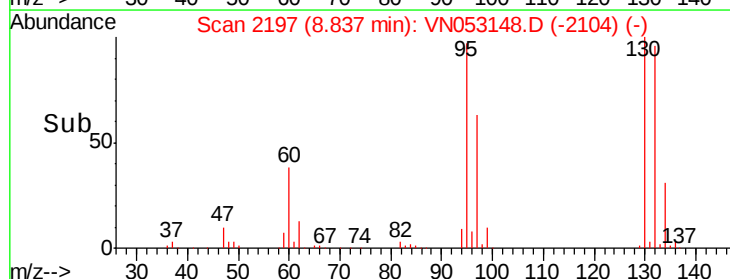
95 97.5 0.0 197.8

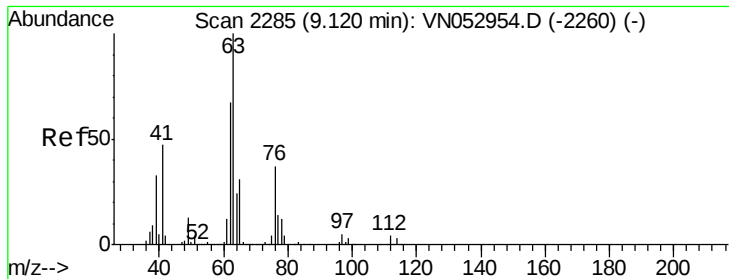


Abundance Ion 129.80 (129.50 to 130.50): VN052954.D (-2178) (-)

Ion 94.90 (94.60 to 95.60): VN052954.D (-2178) (-)

Time-->

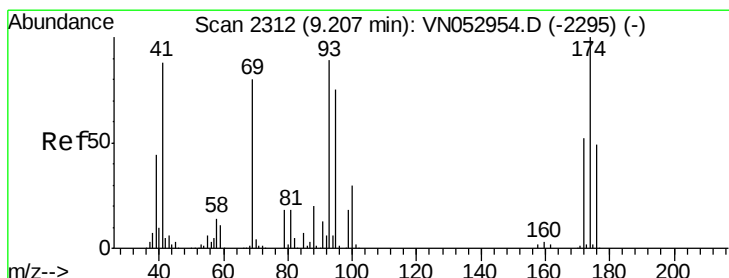
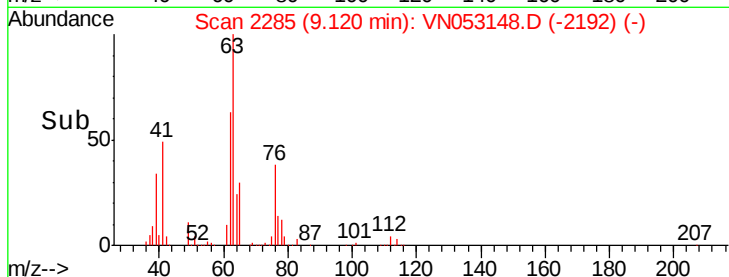
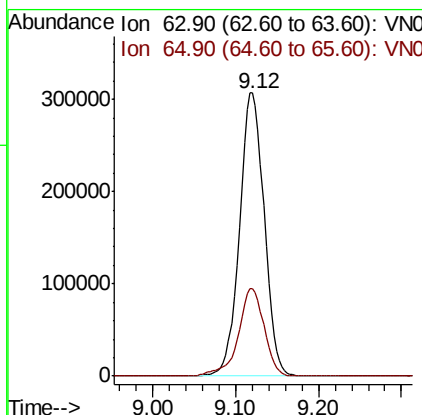
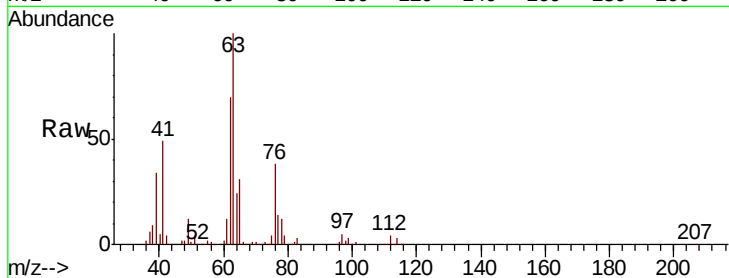




#45
 1,2-Dichloropropane
 Concen: 53.847 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

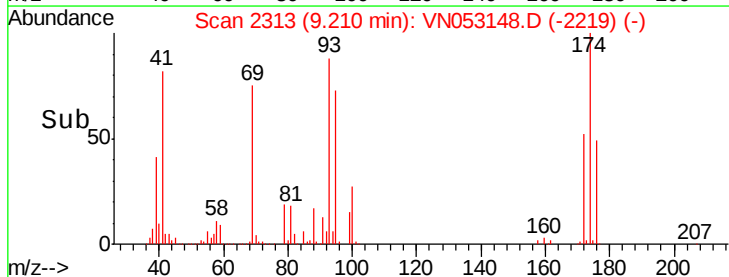
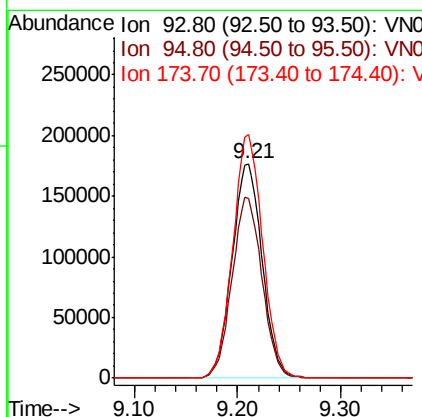
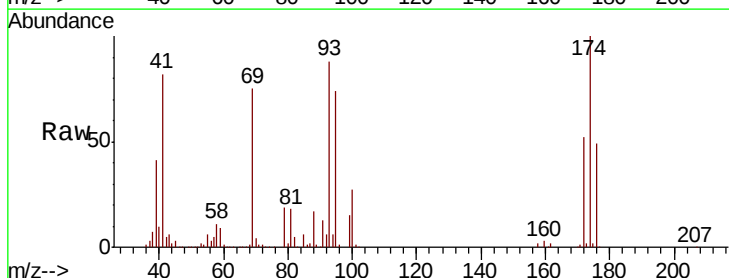
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

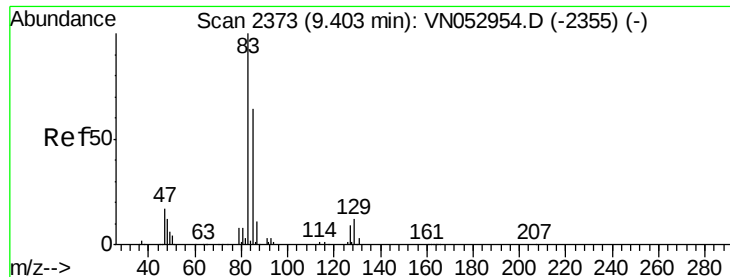
Tot Ion: 63 Resp: 635657
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.6 37.0



#46
 Dibromomethane
 Concen: 52.432 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 93 Resp: 360562
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.8 101.6
 174 112.8 89.0 133.4





#47

Bromodichloromethane

Concen: 52.250 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

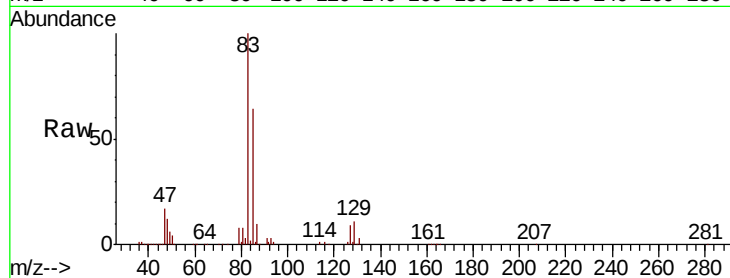
Tot Ion: 83 Resp: 763780

Ion Ratio Lower Upper

83 100

85 64.1 51.6 77.4

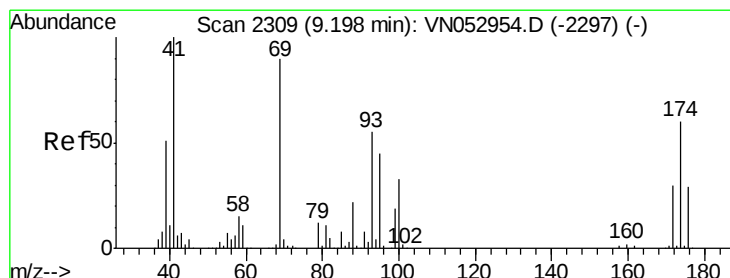
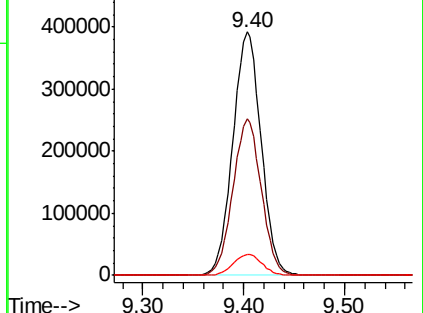
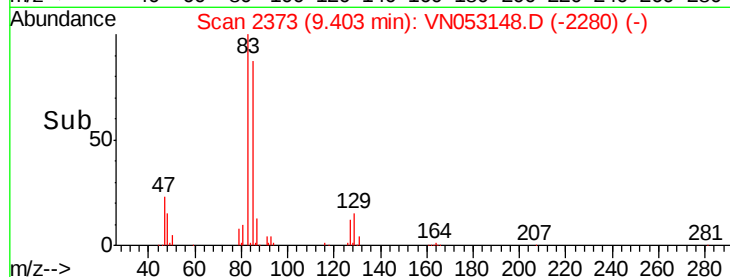
127 8.7 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN053148.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053148.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053148.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.919 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

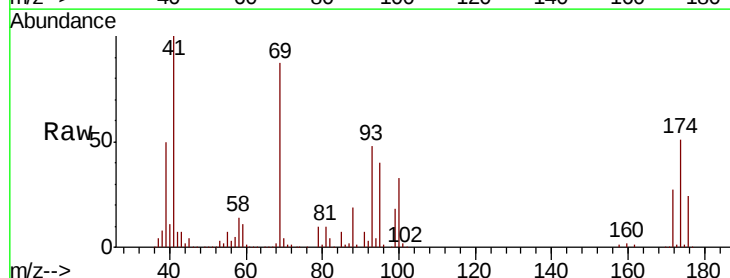
Tgt Ion: 41 Resp: 478054

Ion Ratio Lower Upper

41 100

69 88.4 72.2 108.2

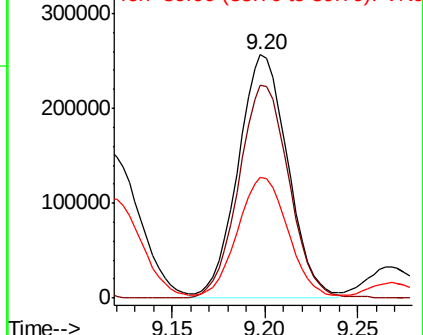
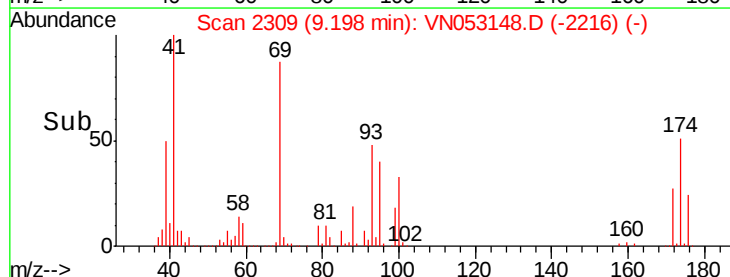
39 50.4 41.9 62.9

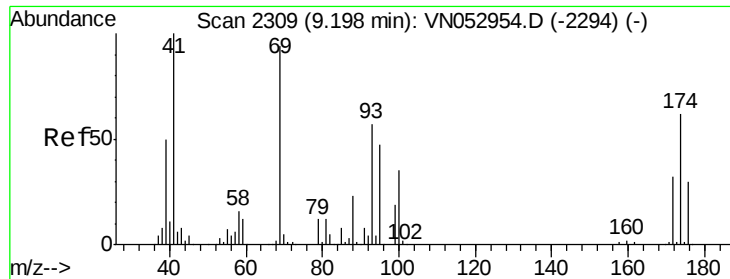


Abundance Ion 41.00 (40.70 to 41.70): VN053148.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN053148.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN053148.D (-2216) (-)

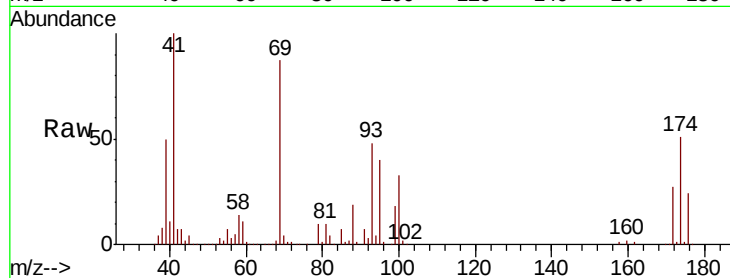




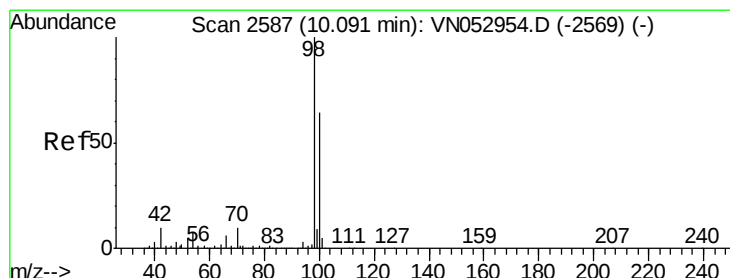
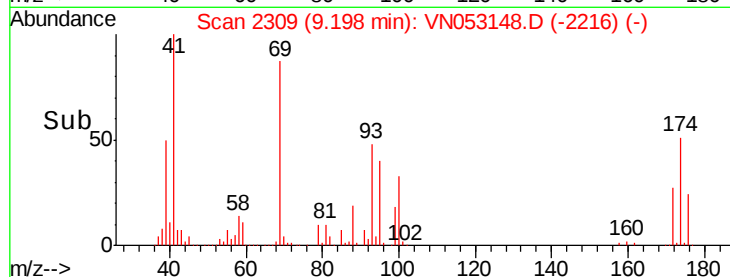
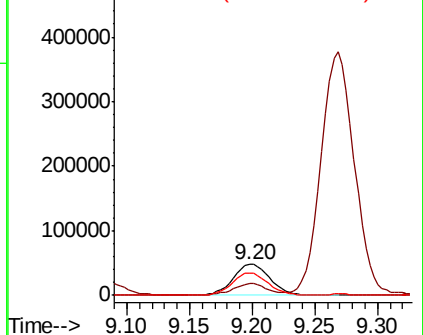
#49
1,4-Dioxane
Concen: 947.718 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 98948
Ion Ratio Lower Upper
88 100
43 32.3 26.6 40.0
58 70.4 58.4 87.6

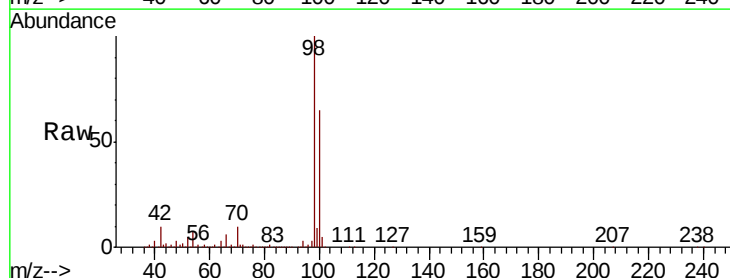


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

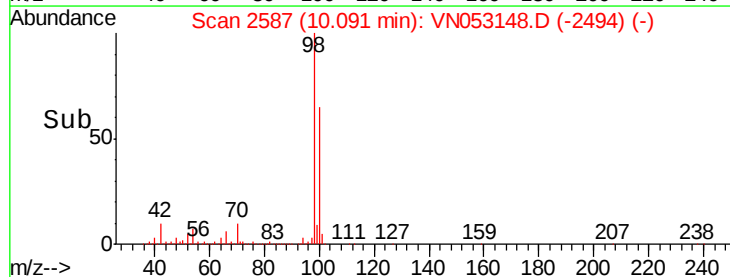
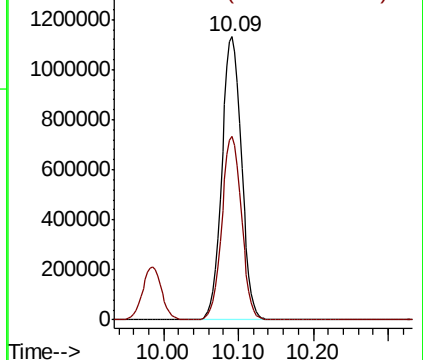


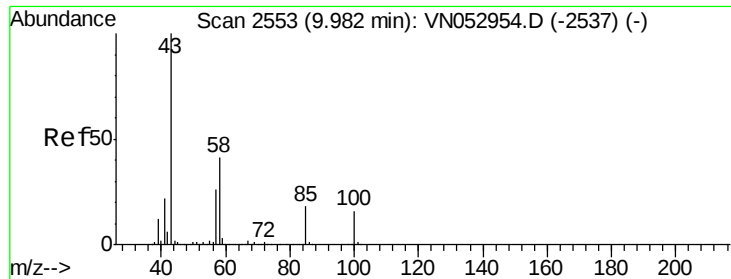
#50
Toluene-d8
Concen: 947.718 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 98 Resp: 2045946
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



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





#51

4-Methyl-2-Pentanone

Concen: 294.343 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

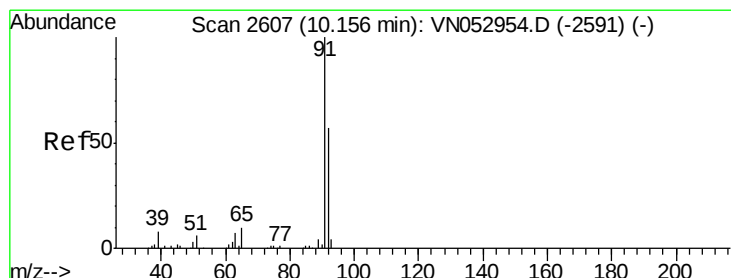
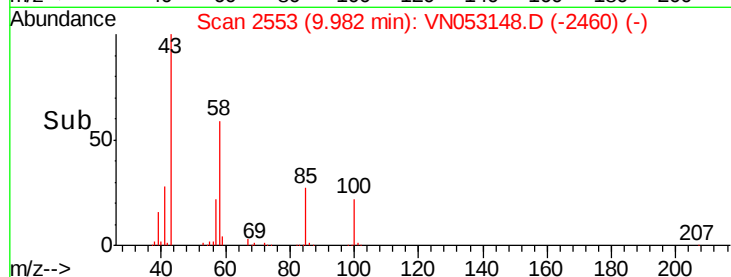
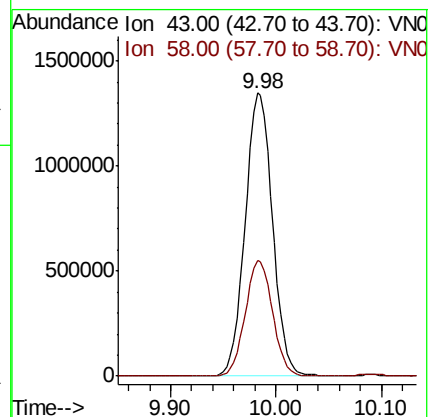
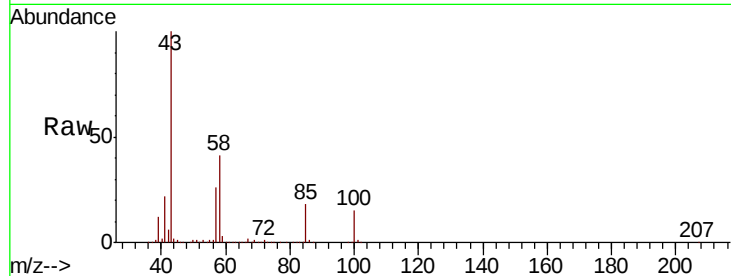
VSTDCCC050

Tot Ion: 43 Resp: 2424561

Ion Ratio Lower Upper

43 100

58 40.8 32.2 48.4



#52

Toluene

Concen: 52.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053148.D

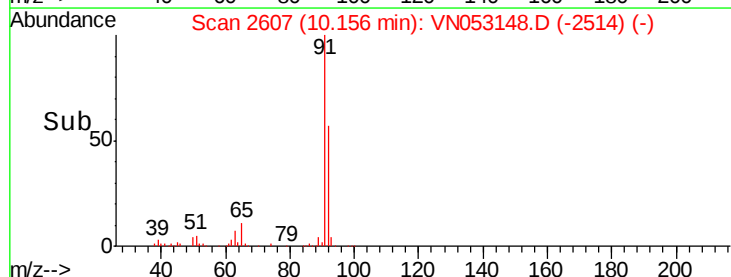
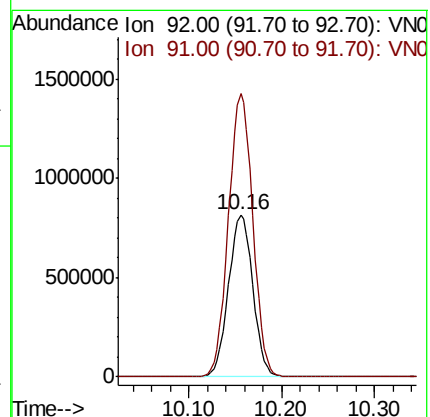
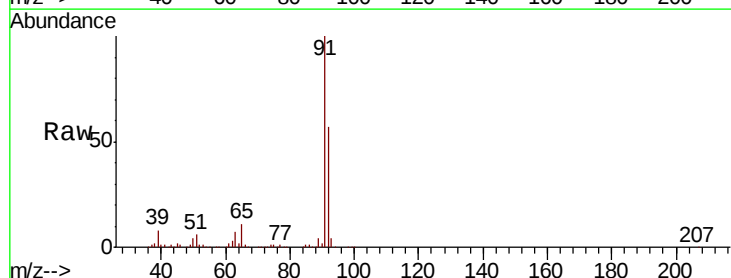
Acq: 22 Dec 2018 22:32

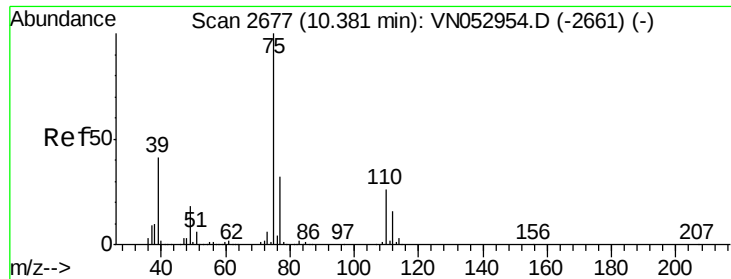
Tgt Ion: 92 Resp: 1483124

Ion Ratio Lower Upper

92 100

91 174.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 50.650 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampled :

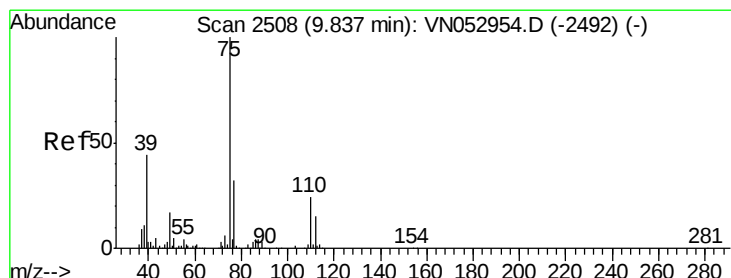
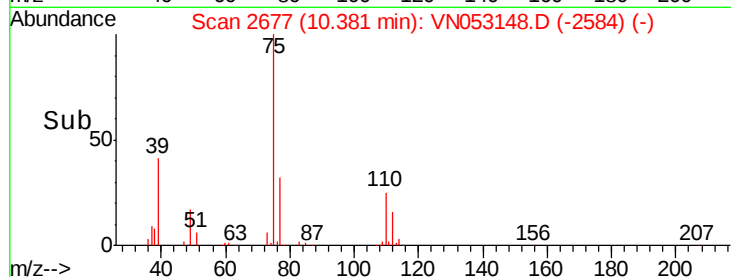
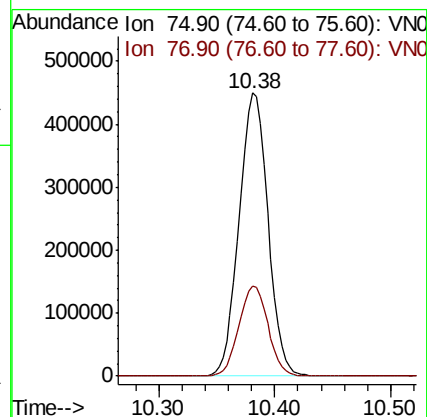
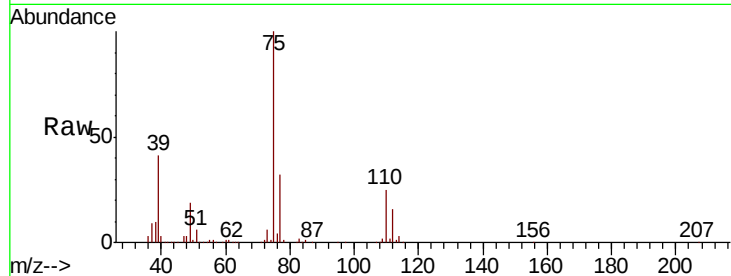
VSTDCCC050

Tot Ion: 75 Resp: 778554

Ion Ratio Lower Upper

75 100

77 31.7 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 51.409 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

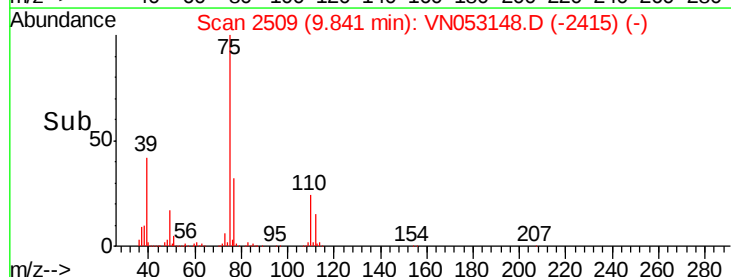
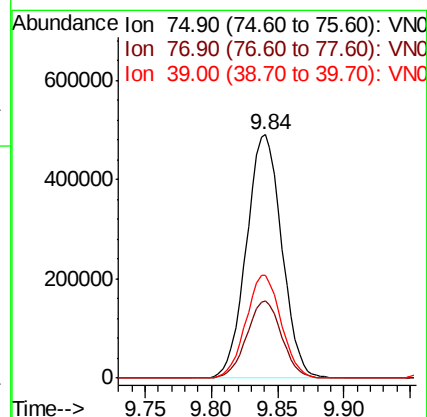
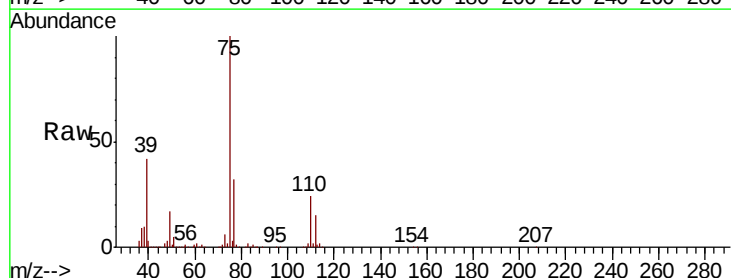
Tgt Ion: 75 Resp: 907048

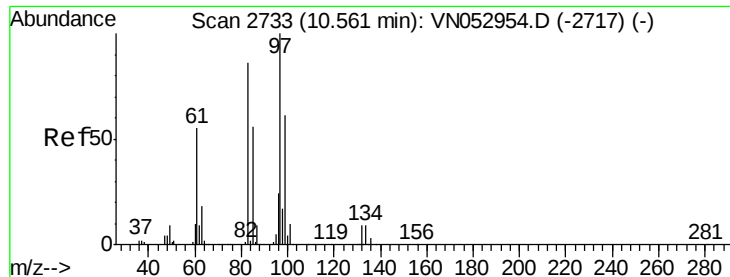
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 42.1 34.8 52.2

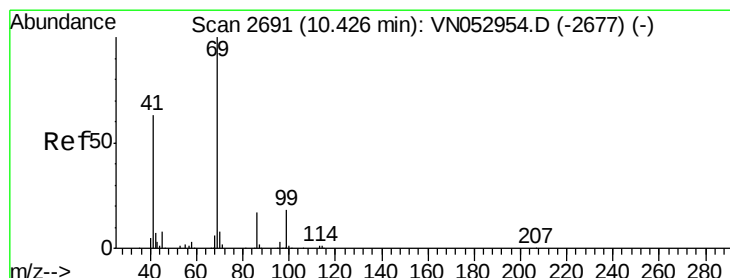
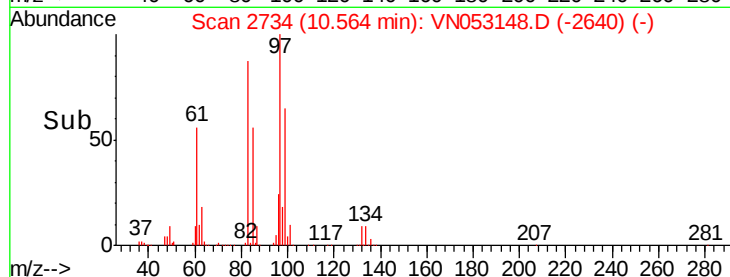
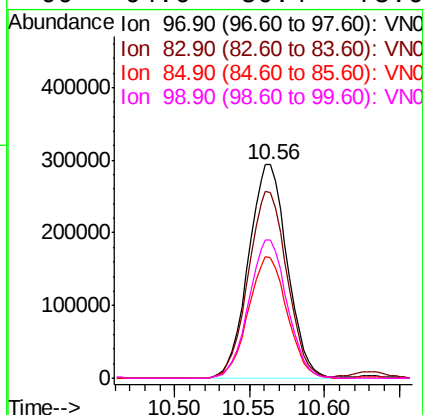
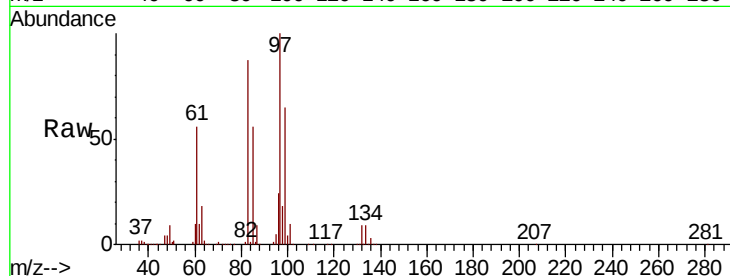




#55
 1,1,2-Trichloroethane
 Concen: 54.017 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

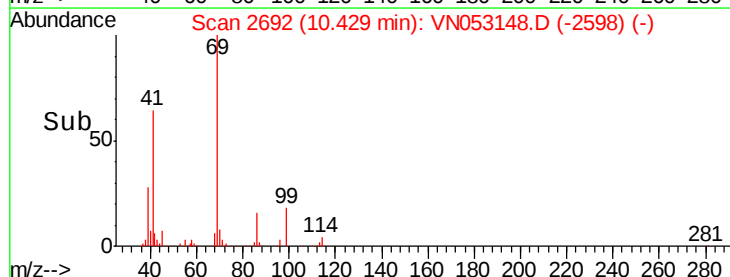
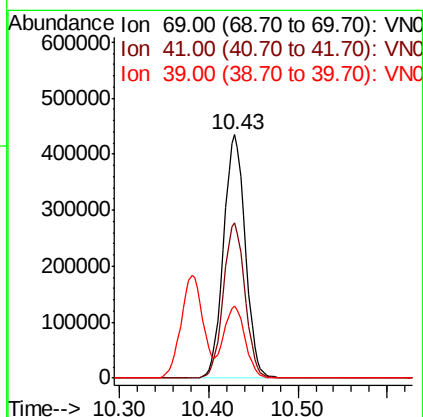
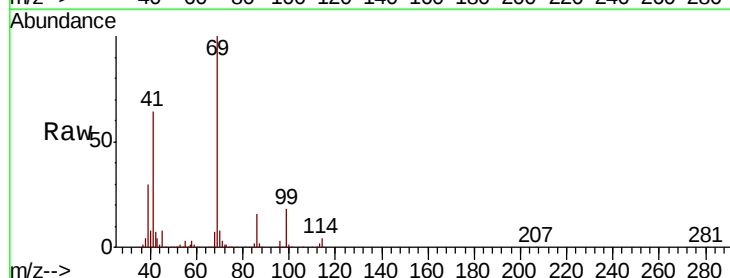
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

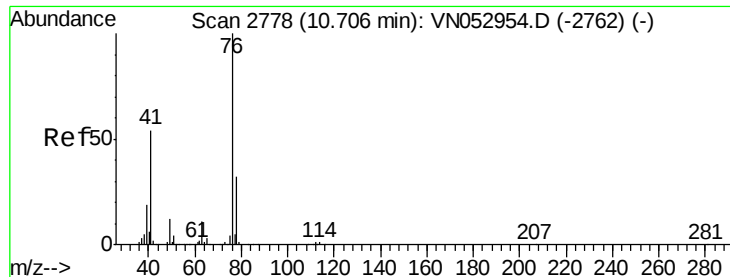
Tot Ion:	97	Resp:	529373
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.9	106.3
85	56.3	45.4	68.2
99	64.6	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 56.470 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion:	69	Resp:	732496
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.7	77.5
39	29.1	24.6	37.0





#57

1,3-Dichloropropane

Concen: 54.450 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

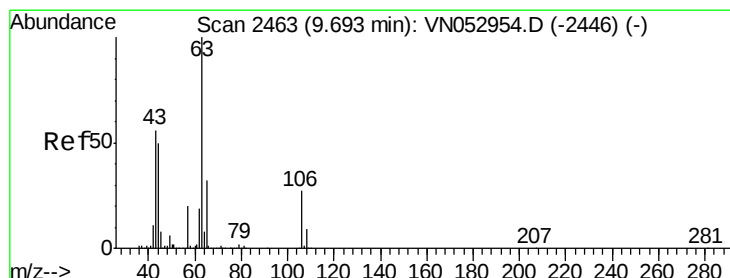
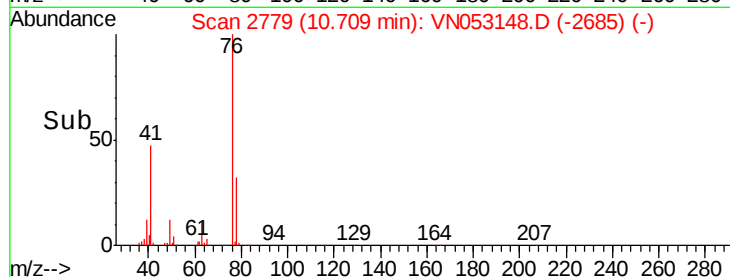
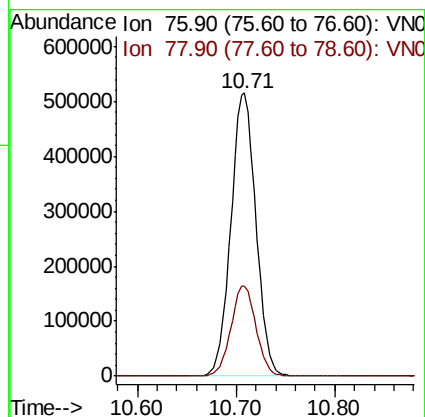
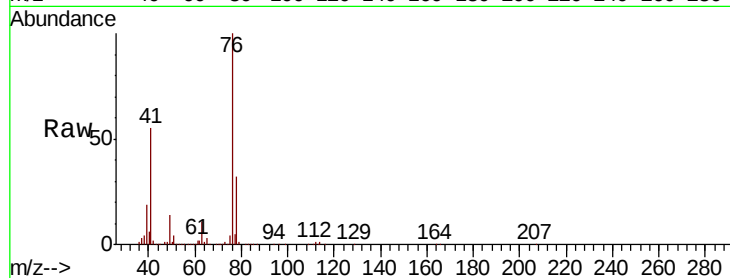
VSTDCCC050

Tot Ion: 76 Resp: 915058

Ion Ratio Lower Upper

76 100

78 31.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 274.062 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053148.D

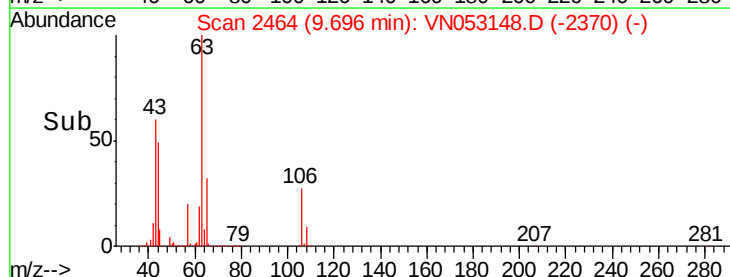
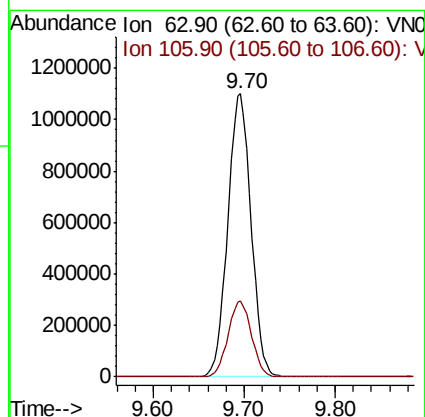
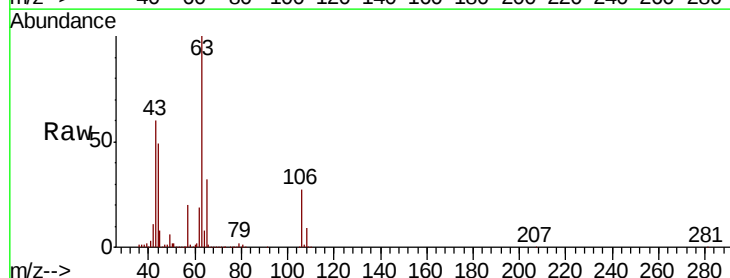
Acq: 22 Dec 2018 22:32

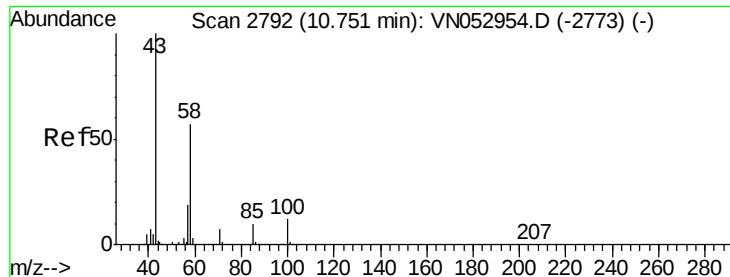
Tgt Ion: 63 Resp: 1951665

Ion Ratio Lower Upper

63 100

106 27.1 21.0 31.6

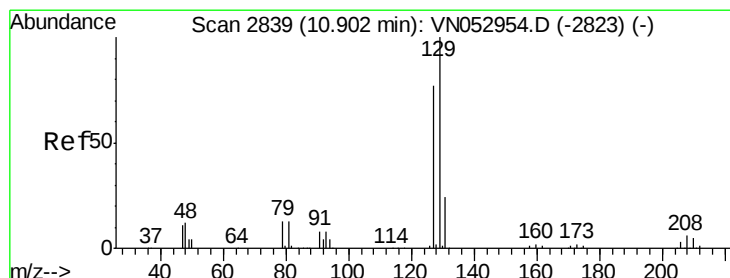
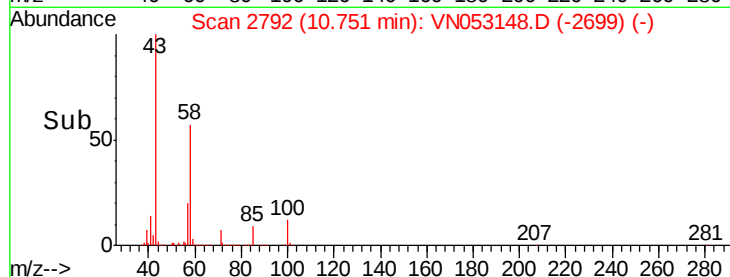
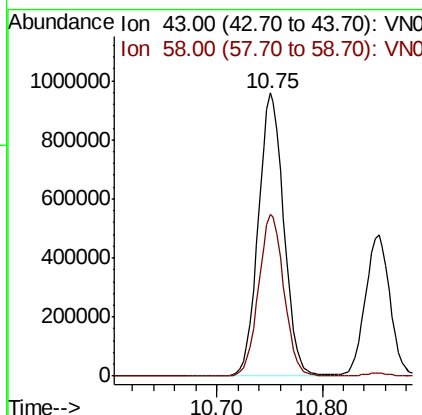
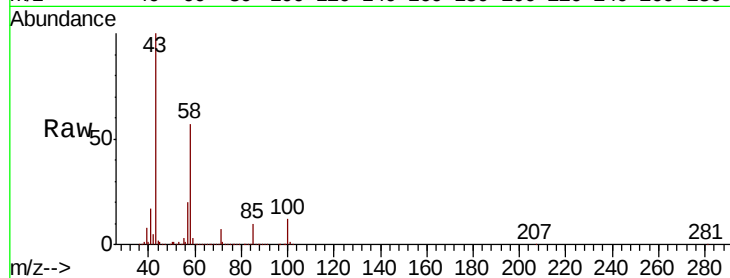




#59
2-Hexanone
Concen: 289.318 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

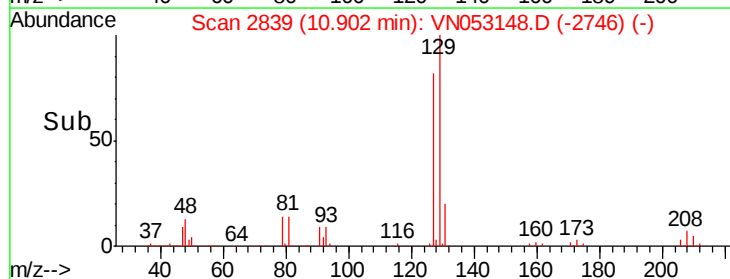
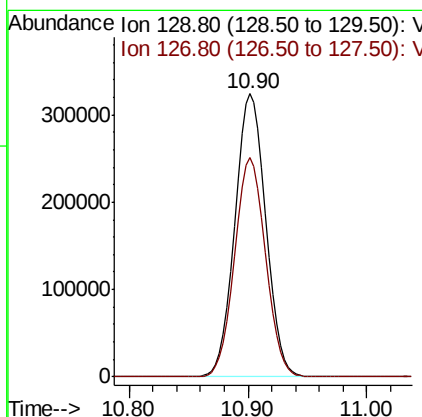
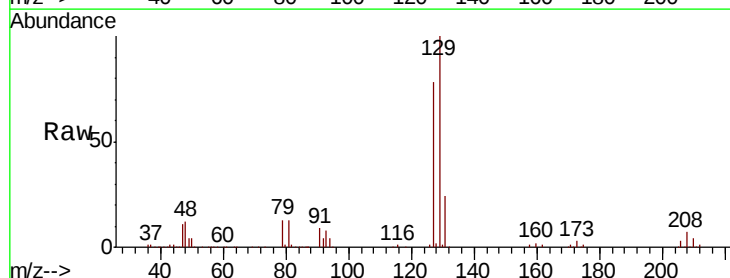
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

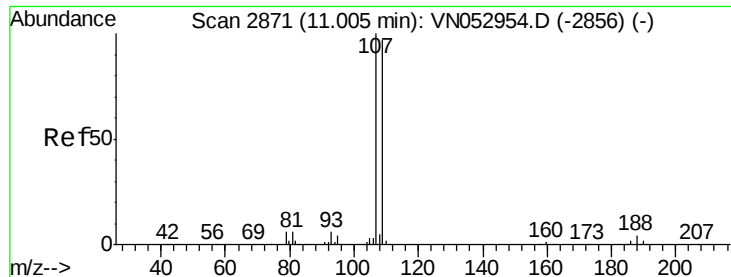
Tot Ion: 43 Resp: 1612412
Ion Ratio Lower Upper
43 100
58 57.2 28.1 84.3



#60
Dibromochloromethane
Concen: 51.890 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 129 Resp: 582095
Ion Ratio Lower Upper
129 100
127 77.9 38.6 116.0

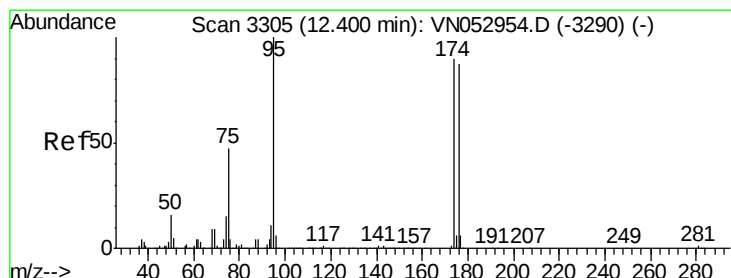
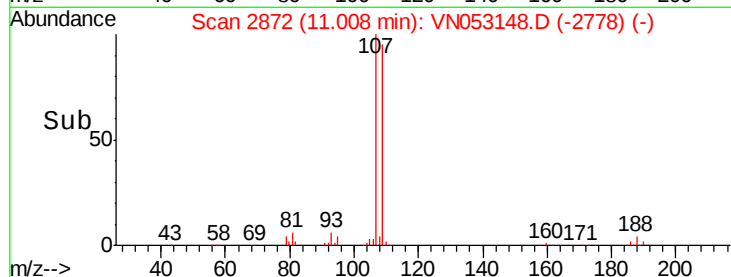
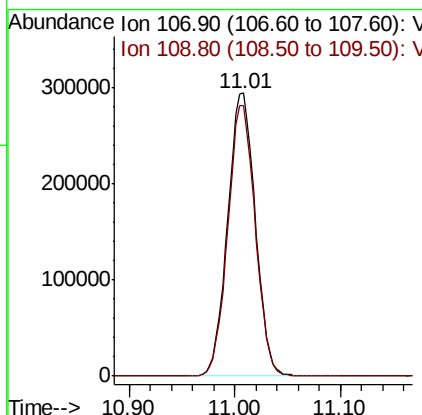
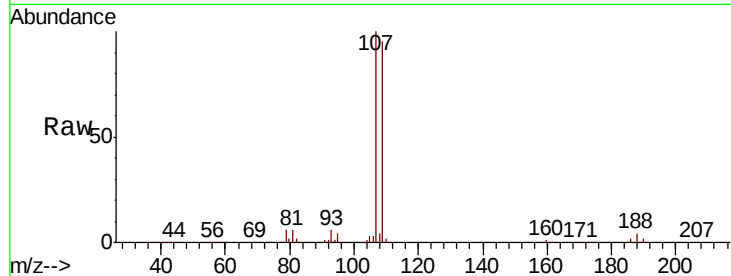




#61
 1,2-Dibromoethane
 Concen: 53.451 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

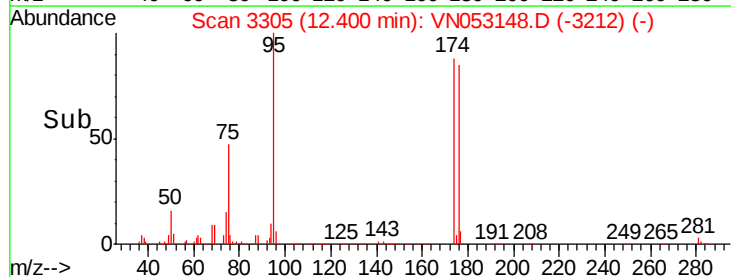
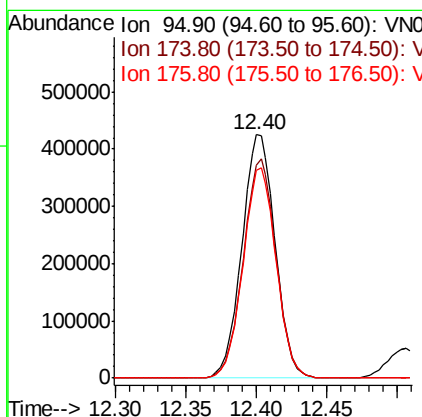
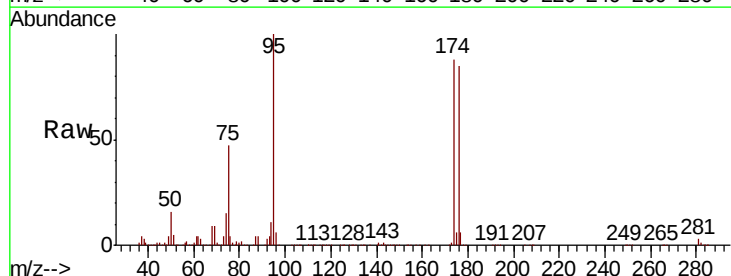
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

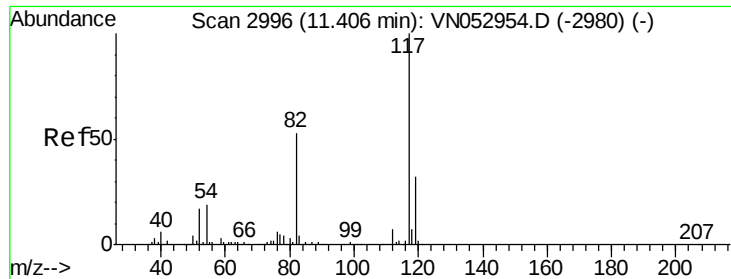
Tot Ion:107 Resp: 532003
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.451 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 95 Resp: 701037
 Ion Ratio Lower Upper
 95 100
 174 88.9 0.0 178.8
 176 86.3 0.0 173.8

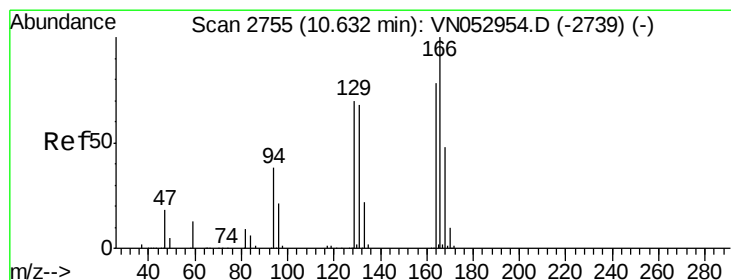
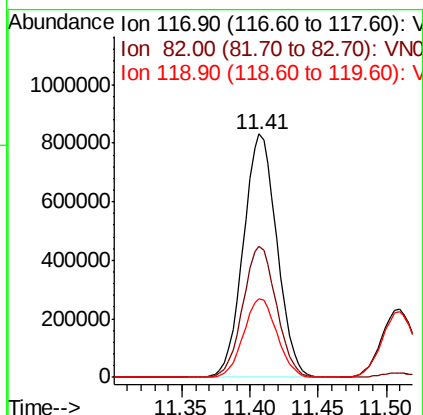
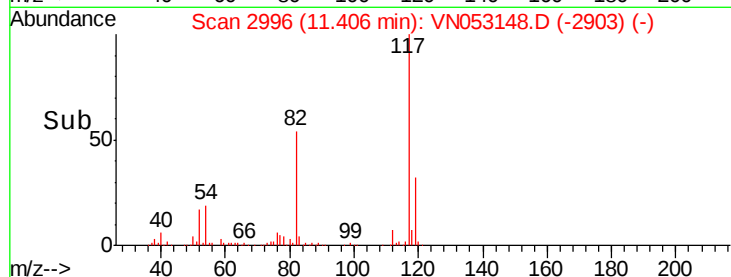
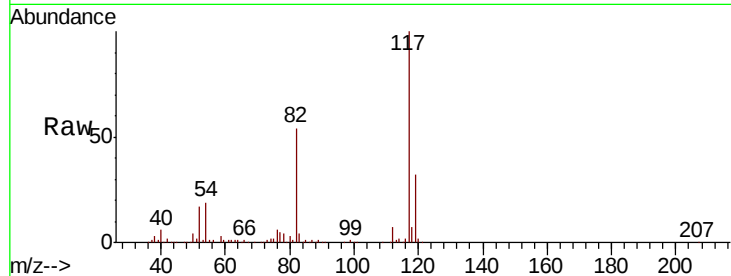




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

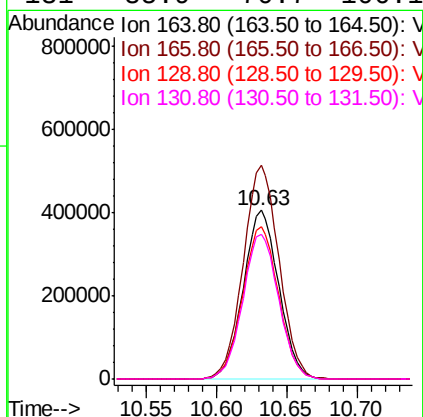
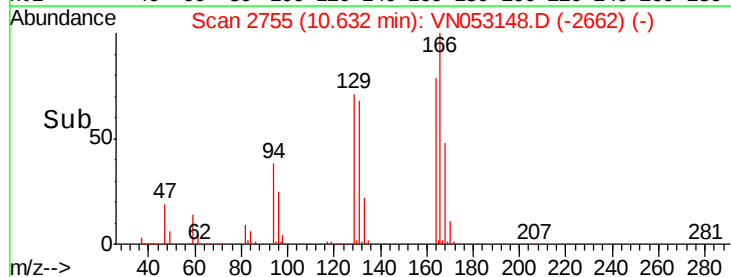
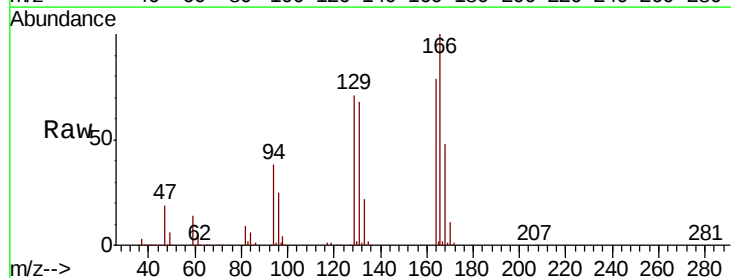
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

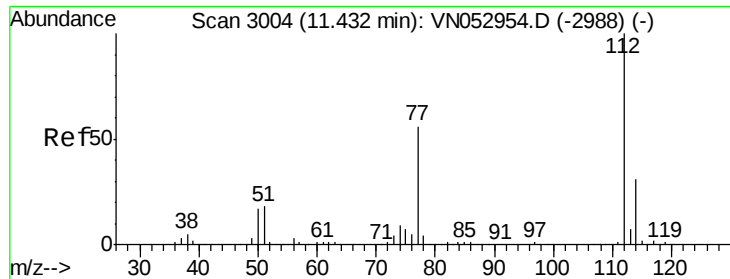
Tot Ion:117 Resp: 1416101
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 46.623 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:164 Resp: 715174
Ion Ratio Lower Upper
164 100
166 126.5 102.9 154.3
129 90.2 73.7 110.5
131 85.9 70.7 106.1

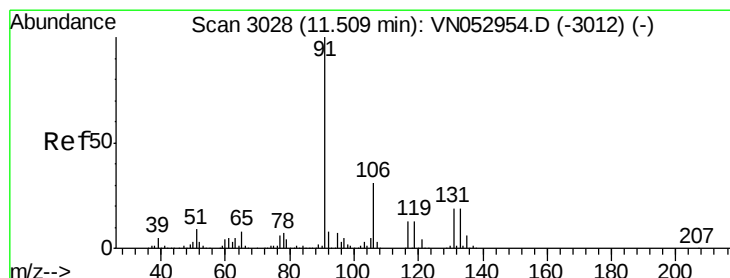
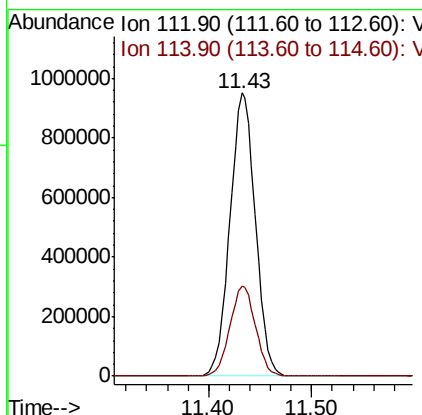
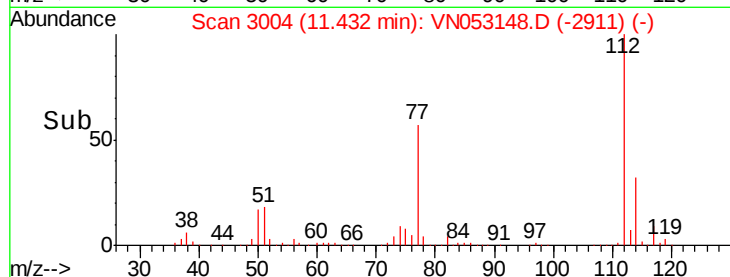
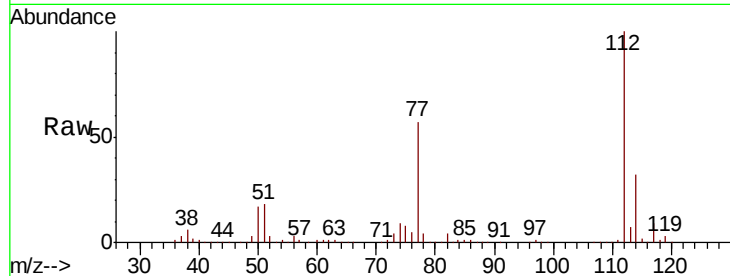




#65
Chlorobenzene
Concen: 51.933 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

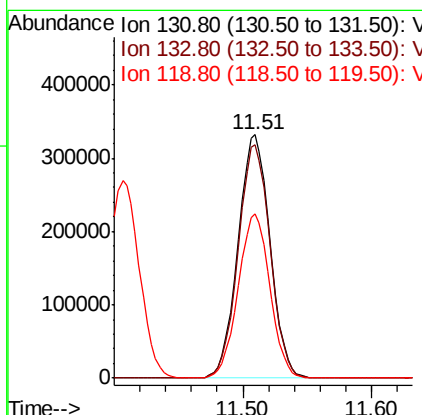
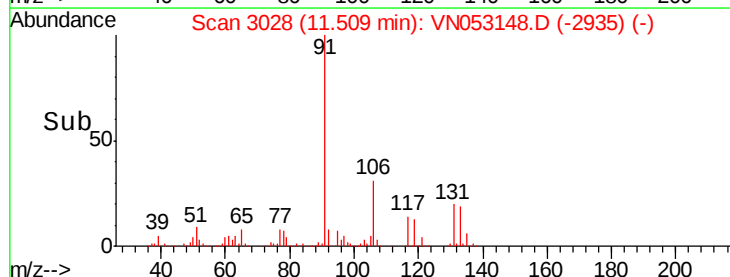
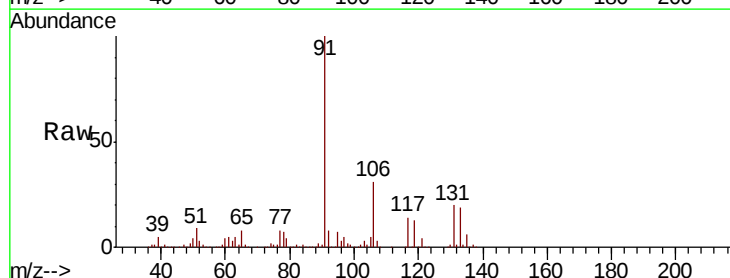
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

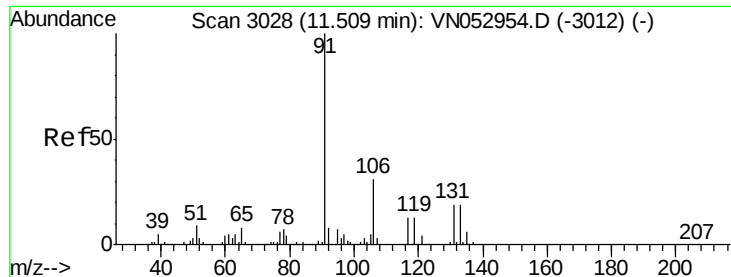
Tot Ion:112 Resp: 1630224
Ion Ratio Lower Upper
112 100
114 32.0 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.386 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:131 Resp: 571856
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.9 33.3 99.8

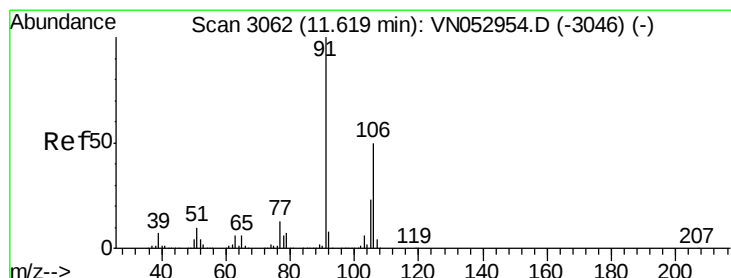
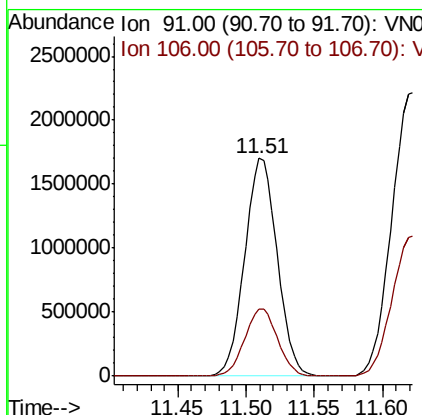
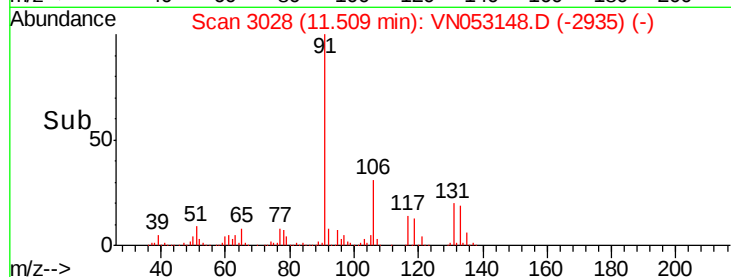
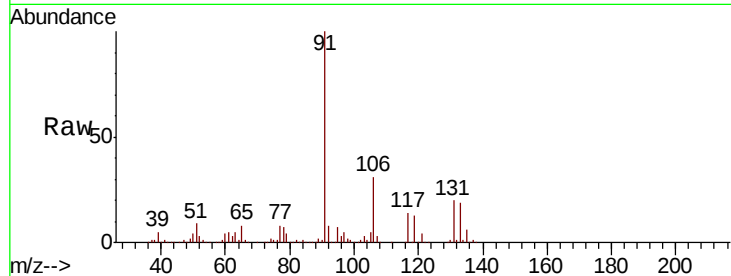




#67
Ethyl Benzene
Concen: 52.098 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

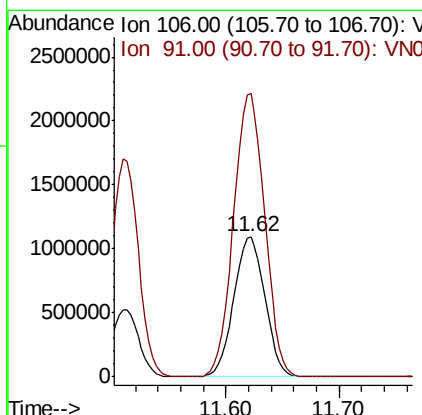
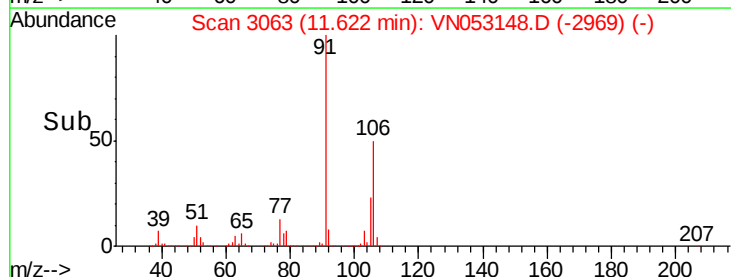
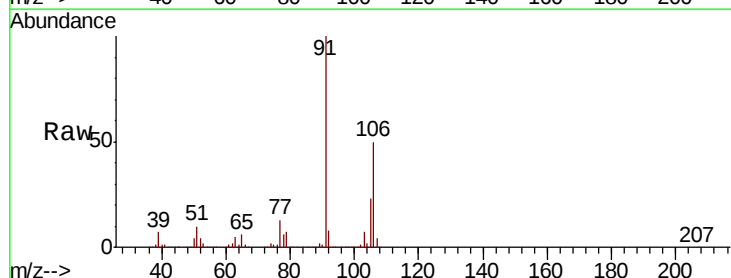
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

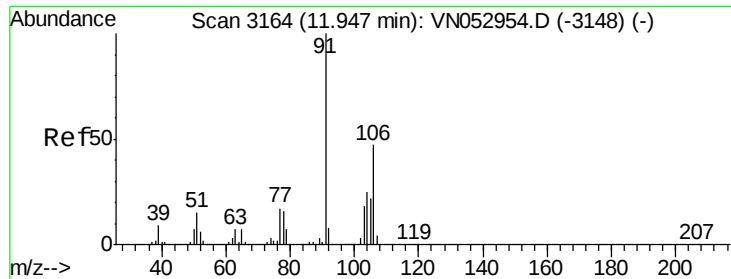
Tot Ion: 91 Resp: 2812458
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 102.096 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 106 Resp: 2095260
Ion Ratio Lower Upper
106 100
91 202.8 162.2 243.4

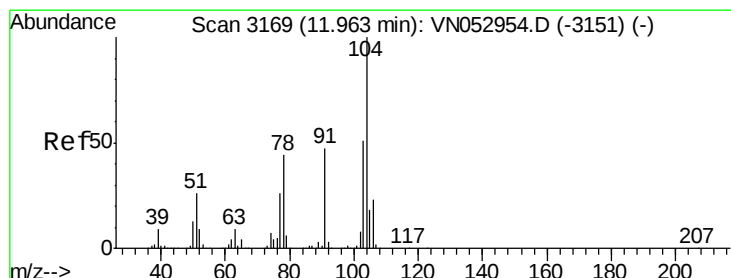
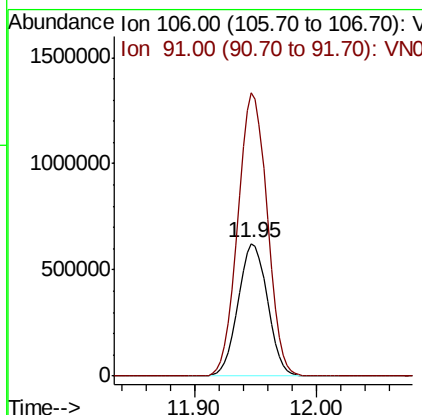
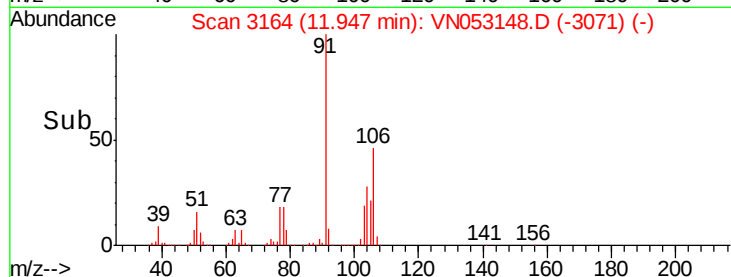
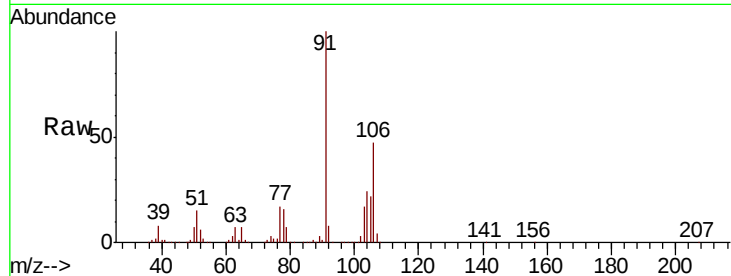




#69
o-Xylene
Concen: 52.702 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

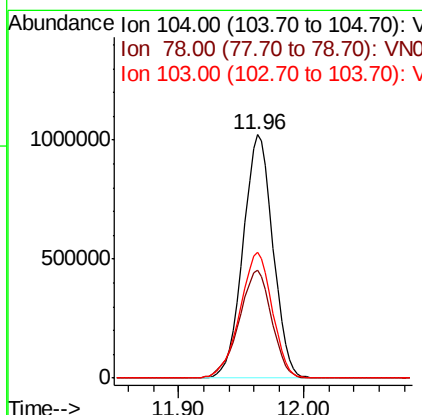
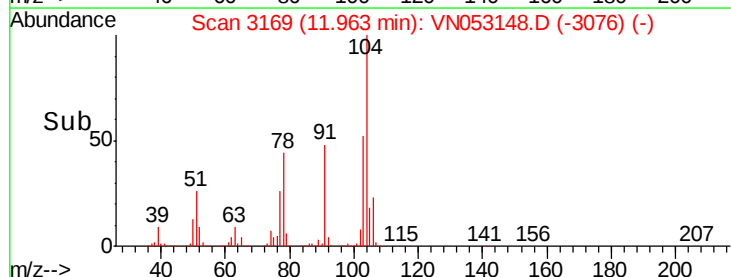
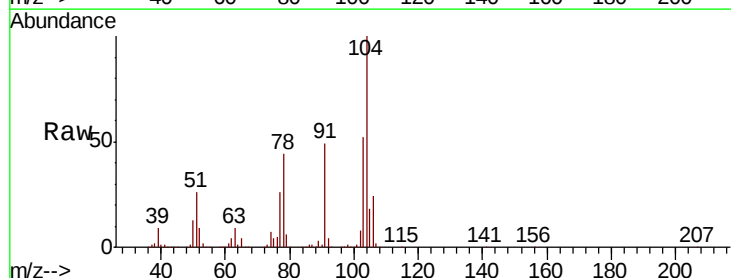
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

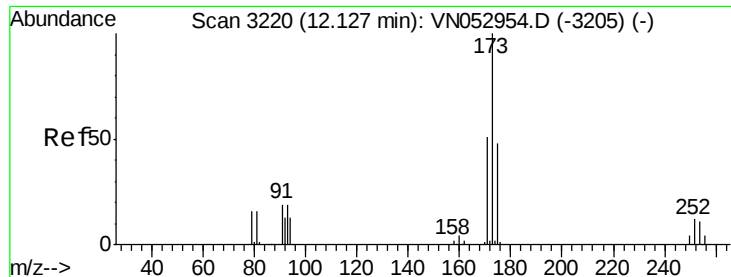
Tot Ion:106 Resp: 1037866
Ion Ratio Lower Upper
106 100
91 212.9 106.6 319.8



#70
Styrene
Concen: 52.819 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:104 Resp: 1696101
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.7 44.3 66.5





#71

Bromoform

Concen: 50.698 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

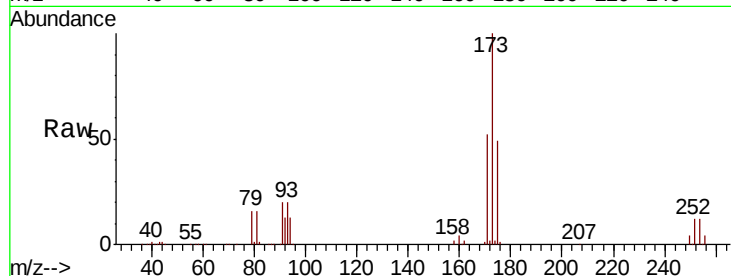
Tot Ion:173 Resp: 399805

Ion Ratio Lower Upper

173 100

175 48.2 24.3 72.9

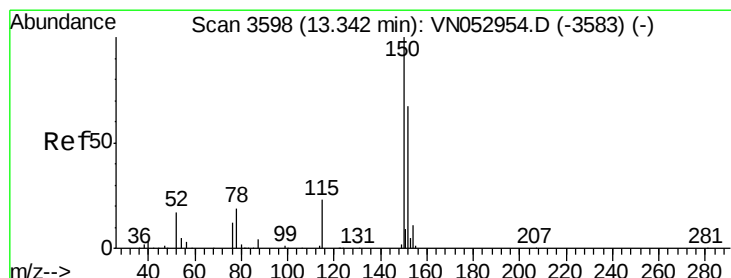
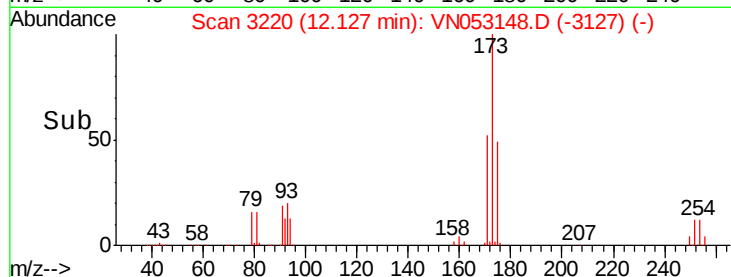
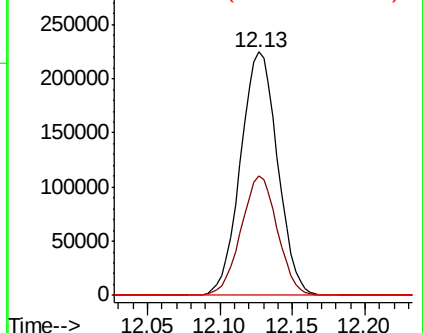
254 0.1 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

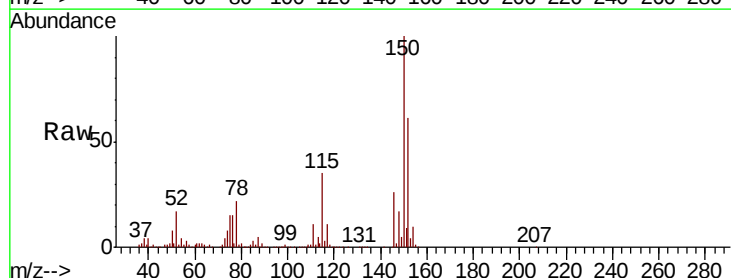
Tgt Ion:152 Resp: 608009

Ion Ratio Lower Upper

152 100

115 56.8 28.3 85.0

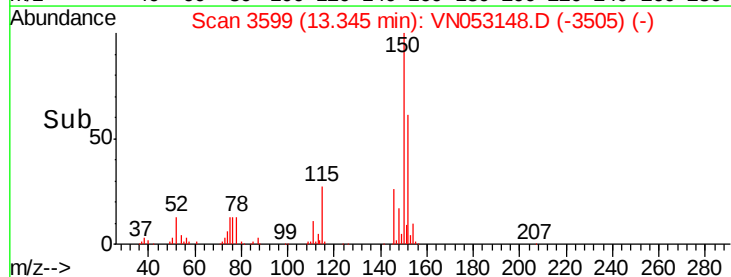
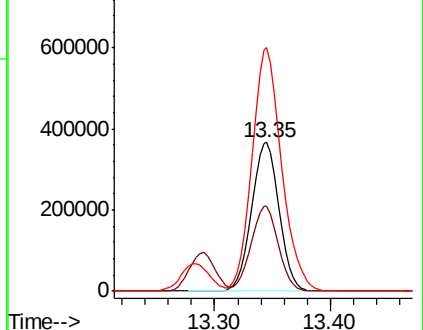
150 176.1 0.0 347.8

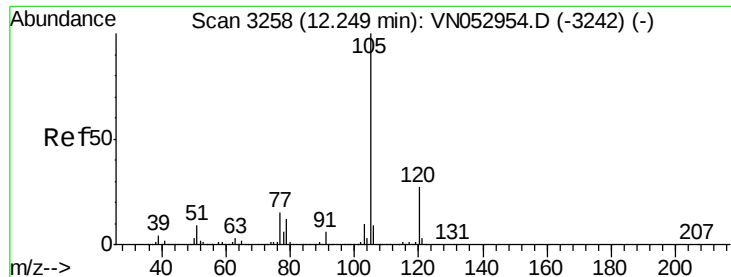


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

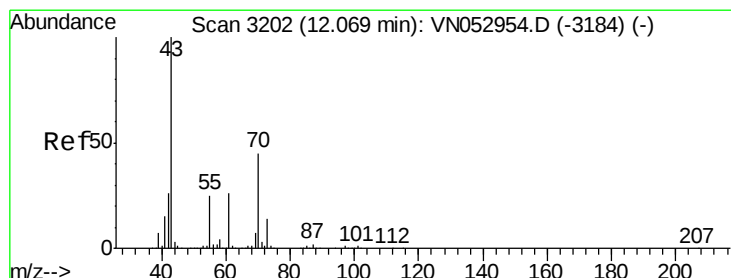
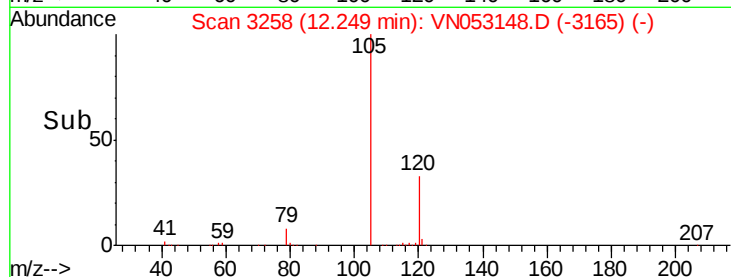
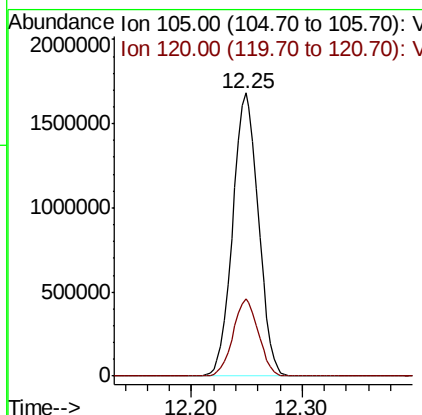
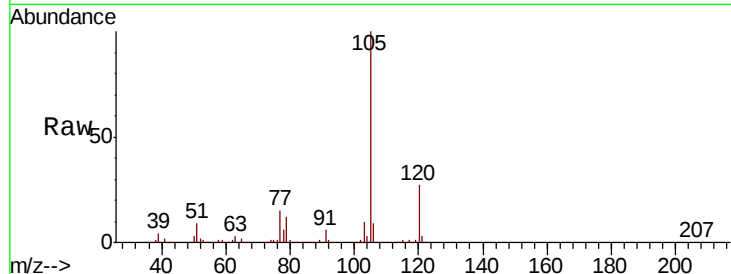




#73
Isopropylbenzene
Concen: 57.037 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

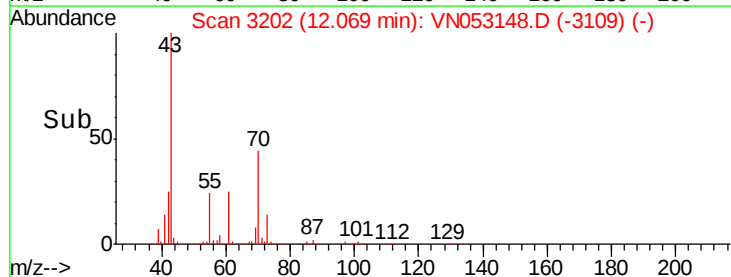
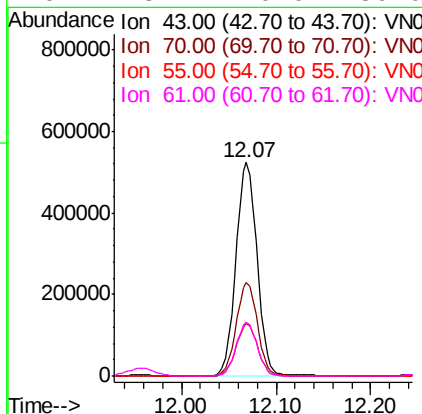
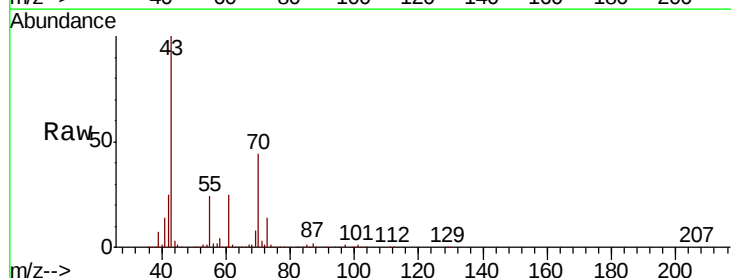
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

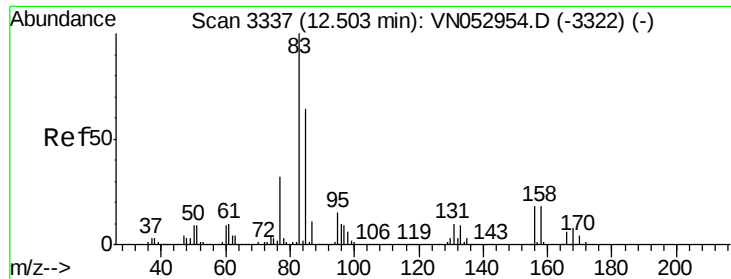
Tot Ion:105 Resp: 2713315
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9



#74
N-ethyl acetate
Concen: 61.433 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion: 43 Resp: 811384
Ion Ratio Lower Upper
43 100
70 43.9 34.2 51.4
55 24.8 20.3 30.5
61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 64.631 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

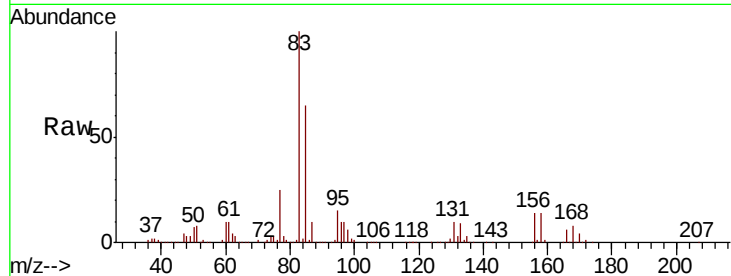
Tot Ion: 83 Resp: 603190

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

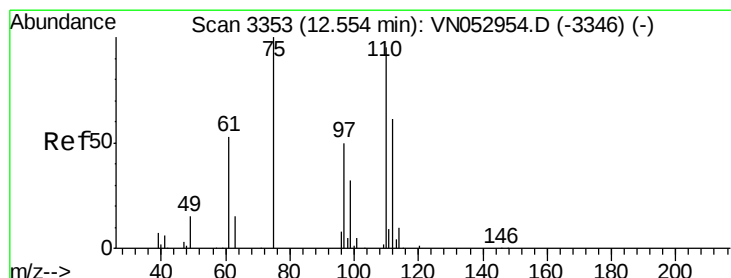
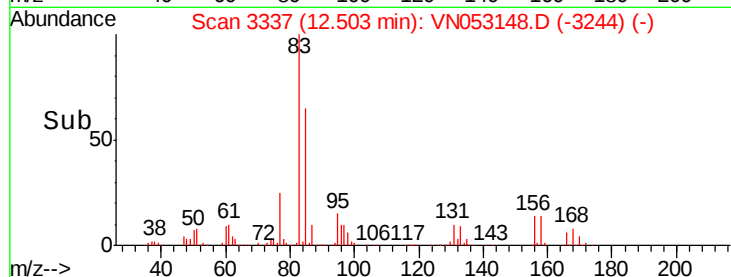
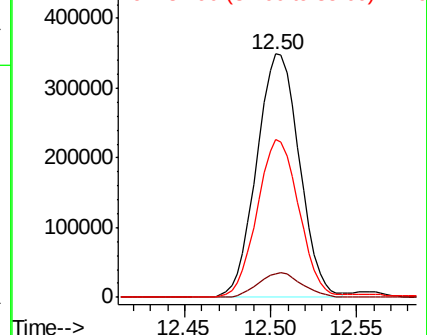
85 63.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN053148.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053148.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053148.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 76.609 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053148.D

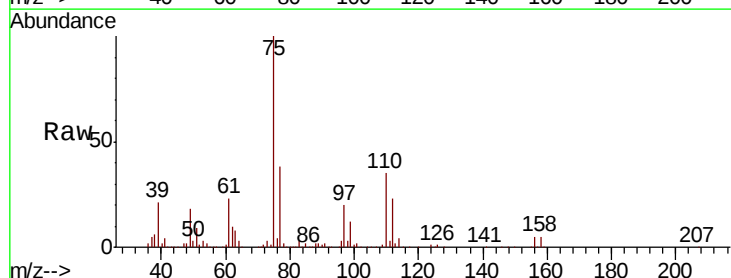
Acq: 22 Dec 2018 22:32

Tgt Ion: 75 Resp: 784109

Ion Ratio Lower Upper

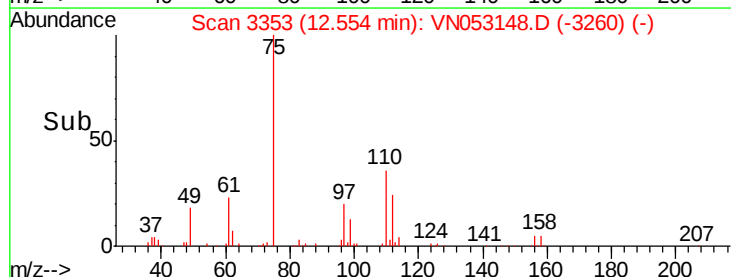
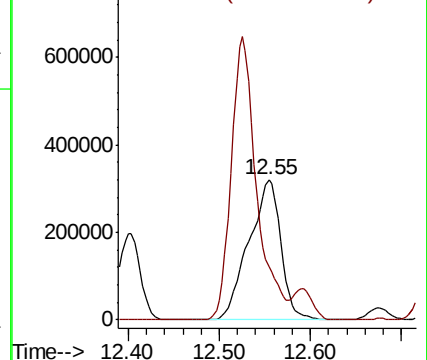
75 100

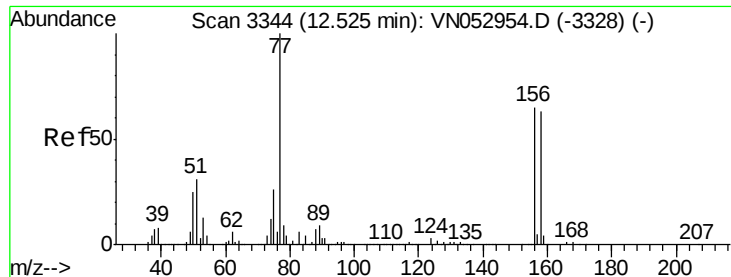
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053148.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053148.D (-3260) (-)





#77

Bromobenzene

Concen: 55.872 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

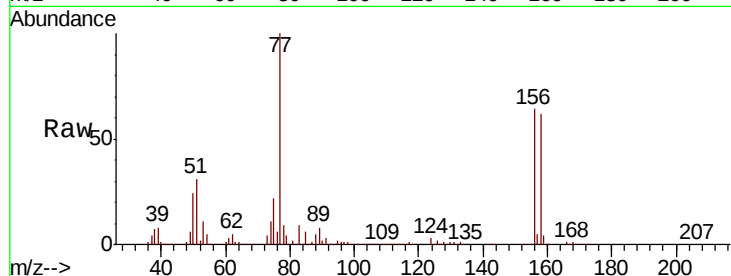
Tot Ion:156 Resp: 690909

Ion Ratio Lower Upper

156 100

77 182.1 91.3 273.8

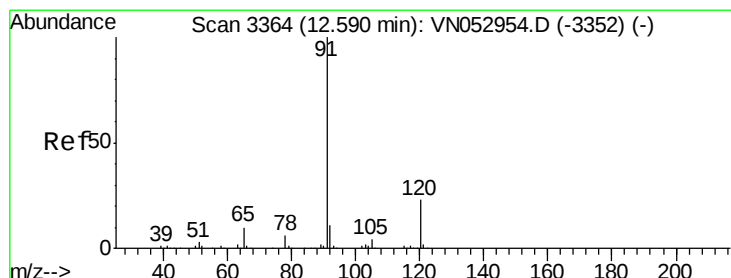
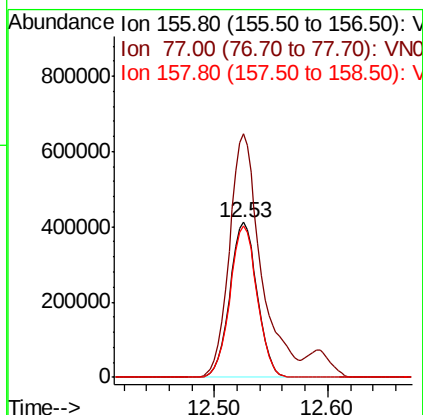
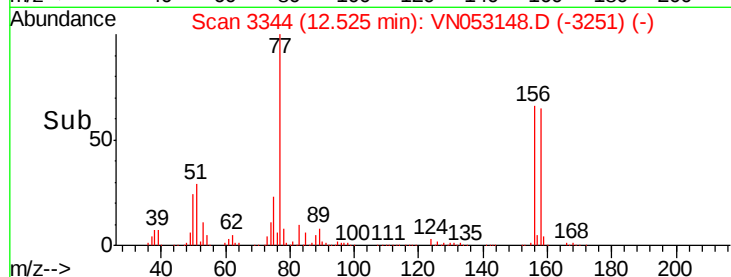
158 97.3 49.0 147.2



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: 55.480 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053148.D

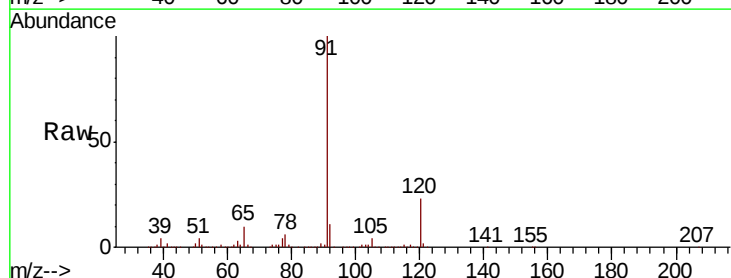
Acq: 22 Dec 2018 22:32

Tgt Ion: 91 Resp: 3005875

Ion Ratio Lower Upper

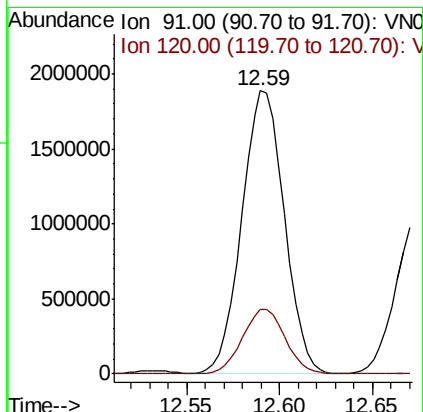
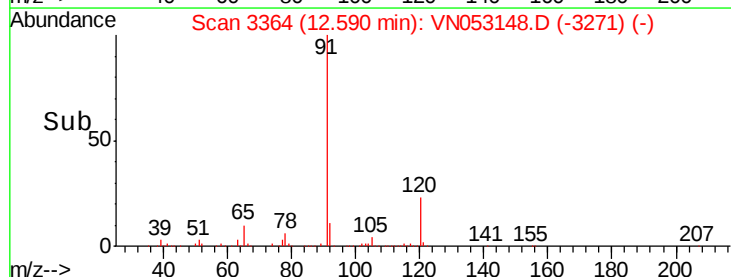
91 100

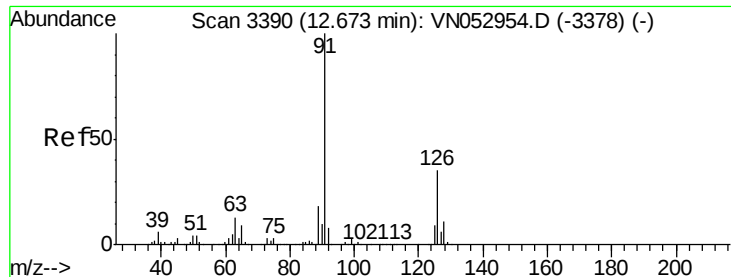
120 23.1 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.909 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

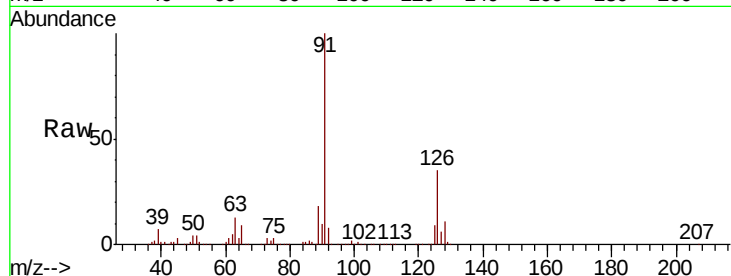
VSTDCCC050

Tot Ion: 91 Resp: 1776833

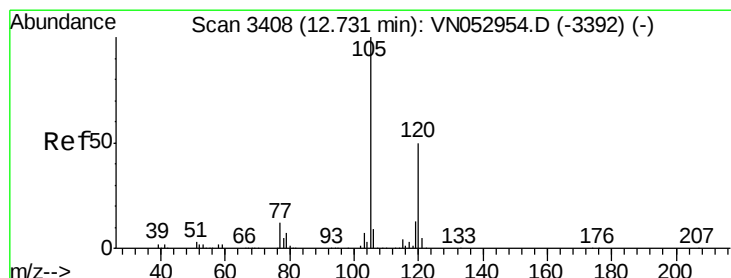
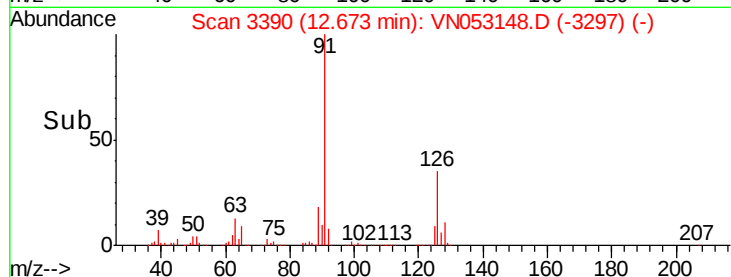
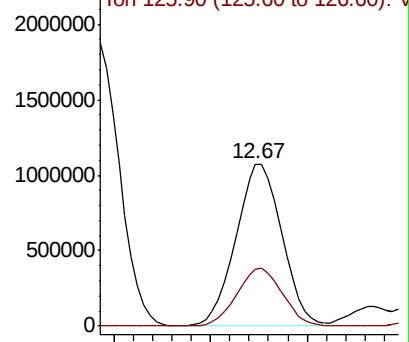
Ion Ratio Lower Upper

91 100

126 35.6 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052954.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.563 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053148.D

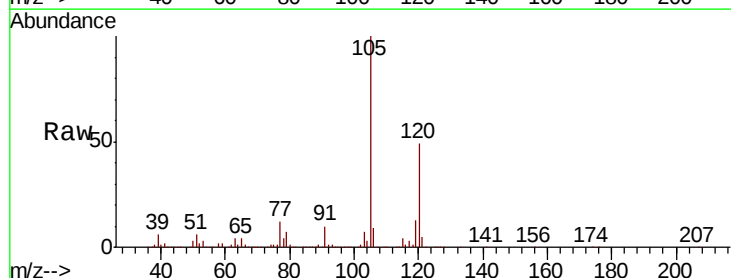
Acq: 22 Dec 2018 22:32

Tgt Ion: 105 Resp: 2076875

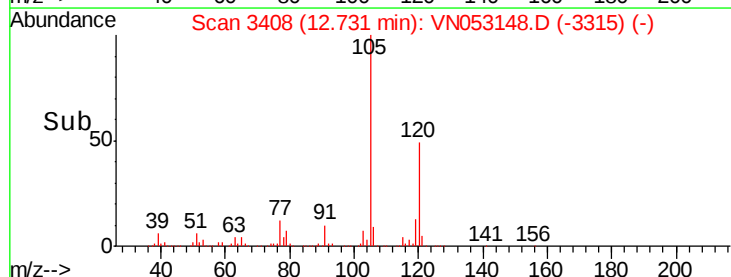
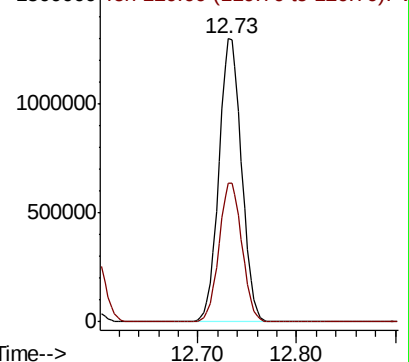
Ion Ratio Lower Upper

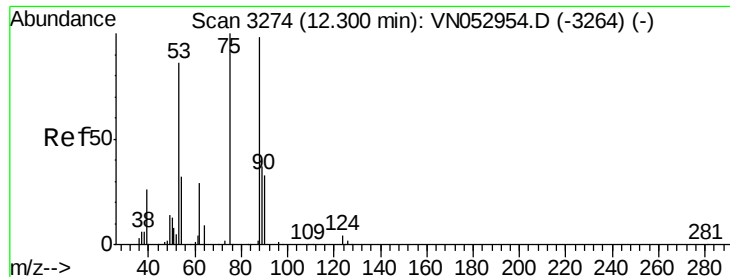
105 100

120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052954.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.876 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

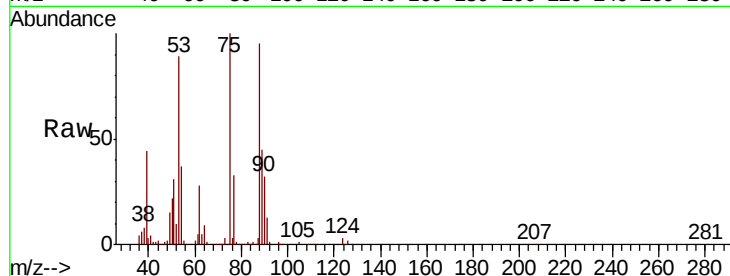
Tot Ion: 75 Resp: 167911

Ion Ratio Lower Upper

75 100

53 89.3 74.7 112.1

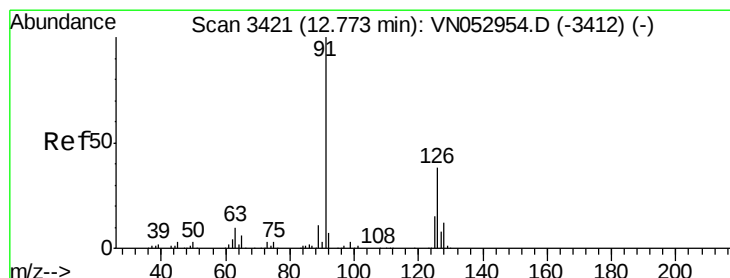
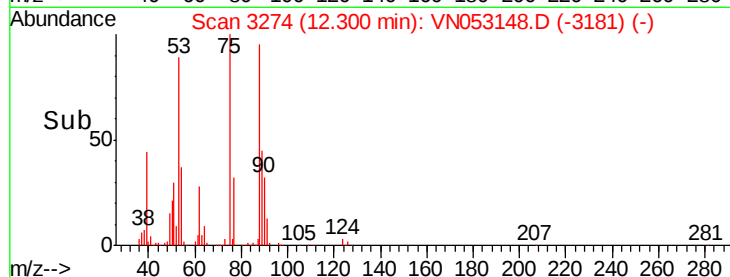
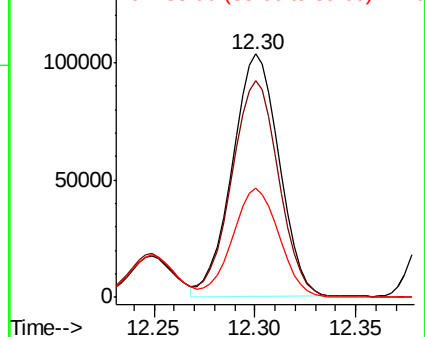
89 45.1 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 54.435 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053148.D

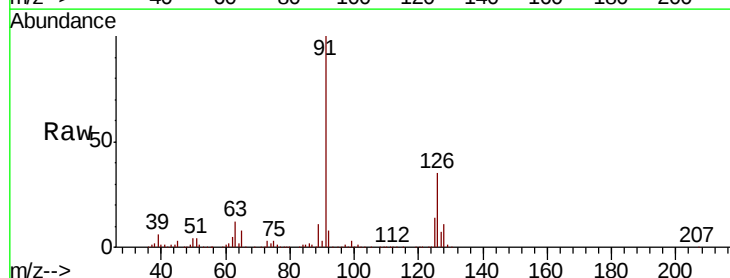
Acq: 22 Dec 2018 22:32

Tgt Ion: 91 Resp: 1789531

Ion Ratio Lower Upper

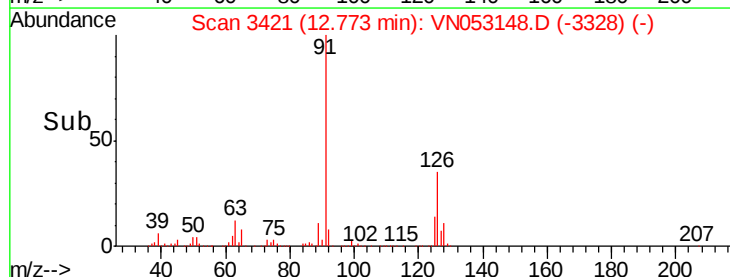
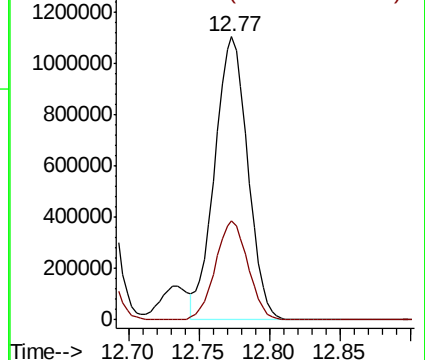
91 100

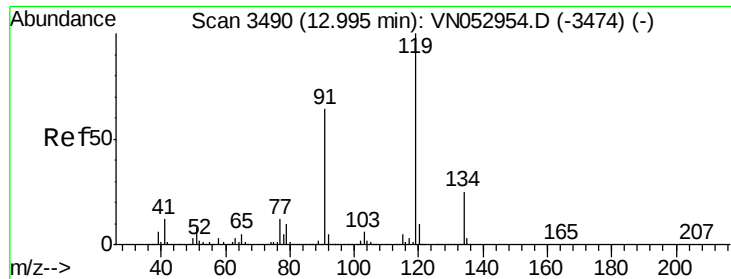
126 34.5 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

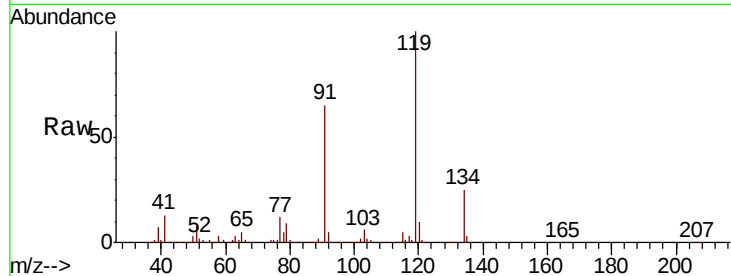




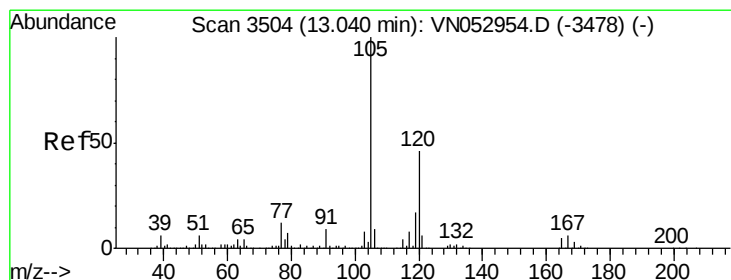
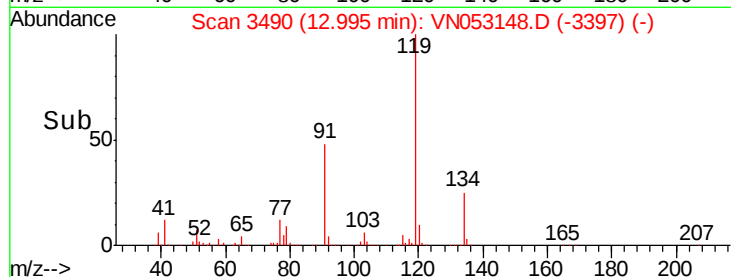
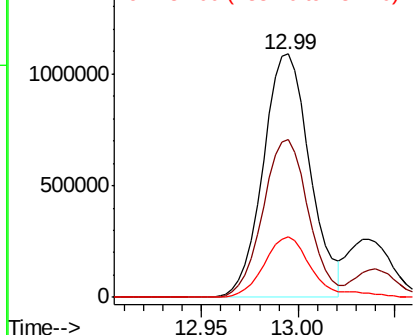
#83
 tert-Butylbenzene
 Concen: 53.602 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1838162
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.9 95.5
 134 25.5 12.8 38.4

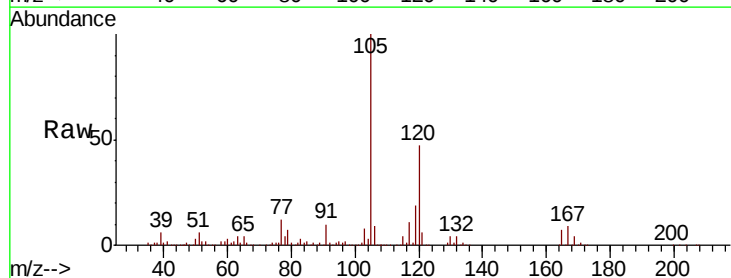


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

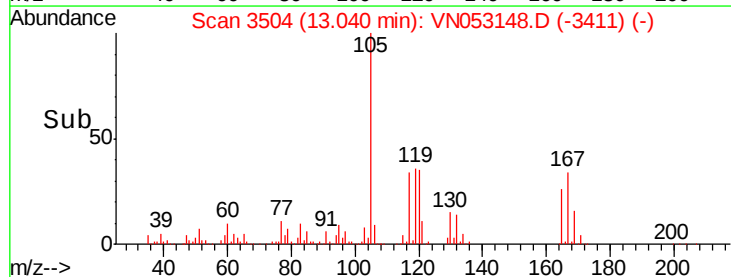
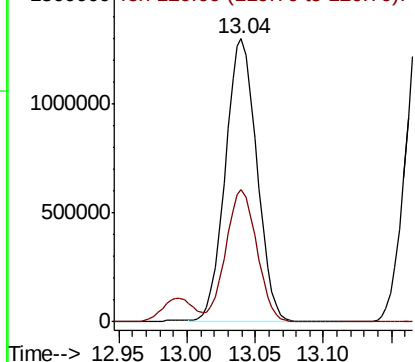


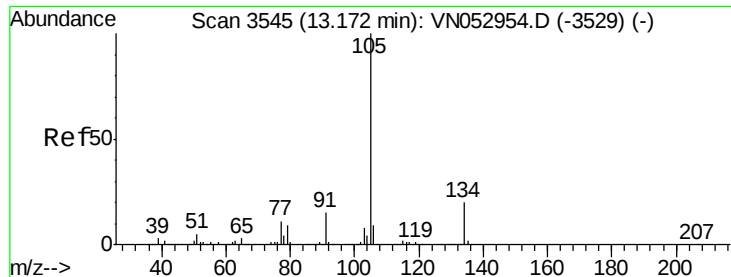
#84
 1,2,4-Trimethylbenzene
 Concen: 53.341 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion:105 Resp: 2079214
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

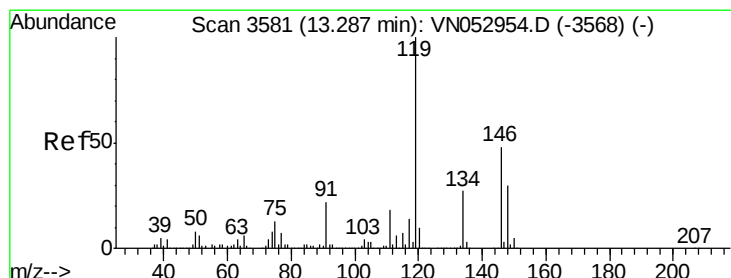
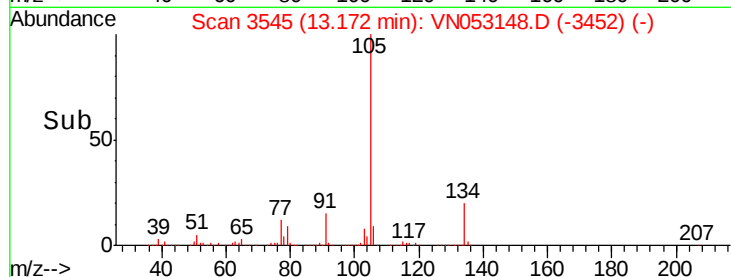
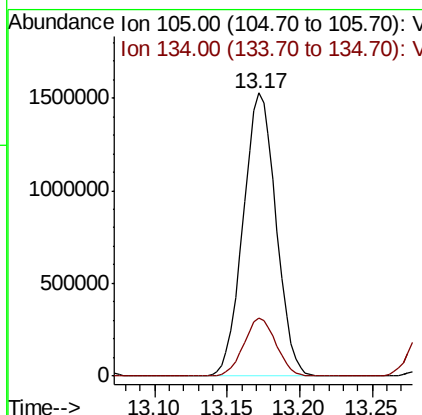
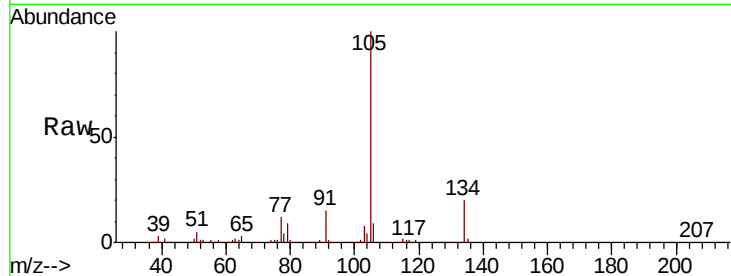




#85
 sec-Butylbenzene
 Concen: 51.925 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

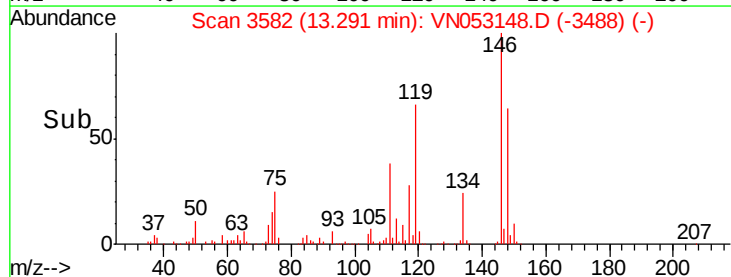
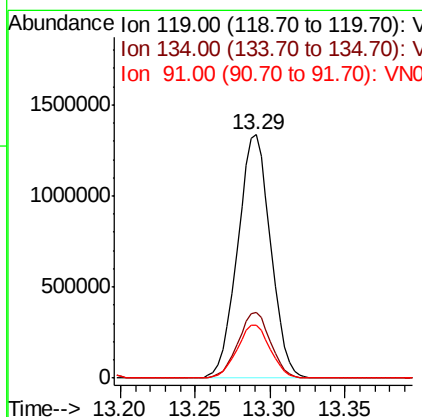
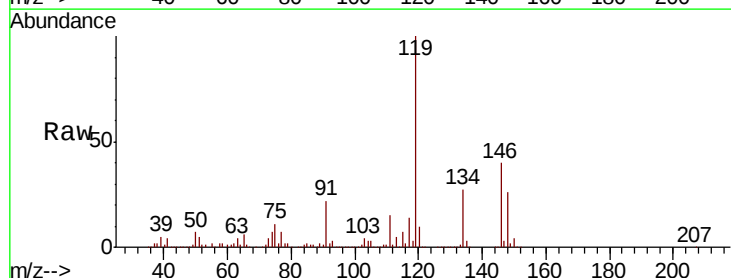
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

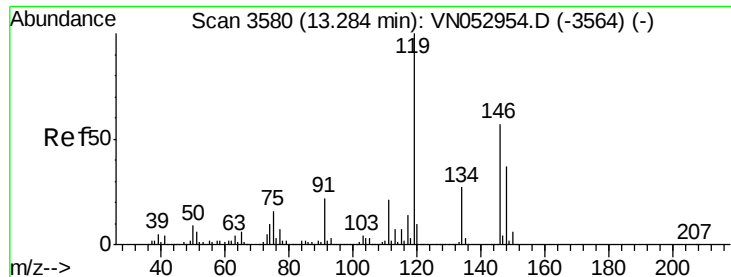
Tot Ion:105 Resp: 2408503
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 50.908 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion:119 Resp: 2040382
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.2
 91 22.0 11.1 33.3

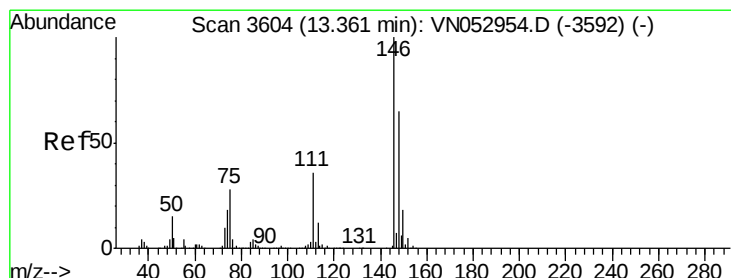
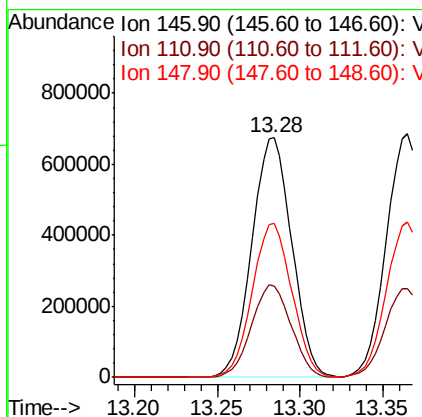
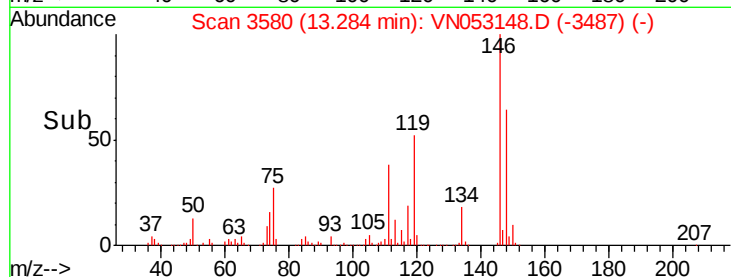
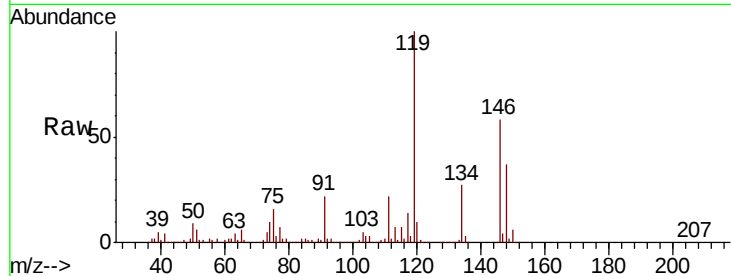




#87
 1,3-Dichlorobenzene
 Concen: 51.586 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

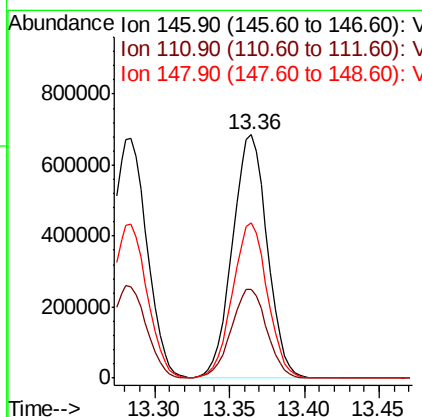
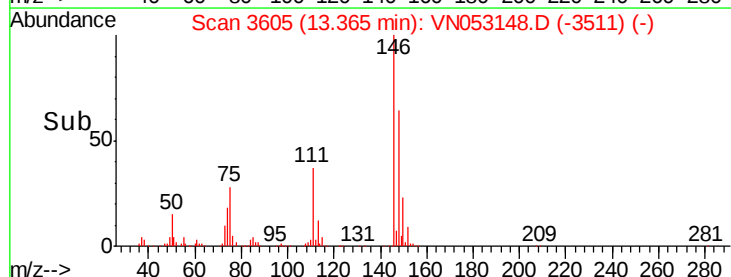
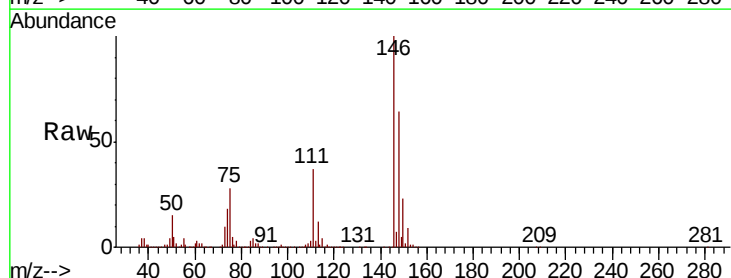
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

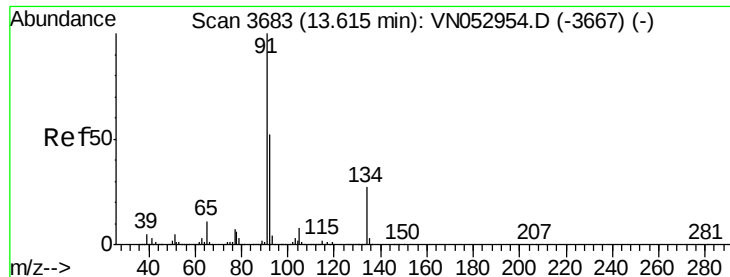
Tot Ion:146 Resp: 1129015
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.1 57.1
 148 63.7 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 50.106 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion:146 Resp: 1110529
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 46.899 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053148.D

Acq: 22 Dec 2018 22:32

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

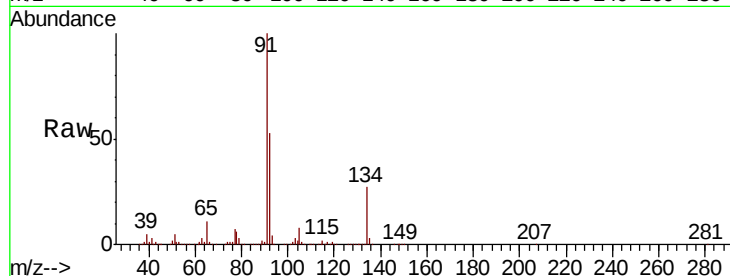
Tot Ion: 91 Resp: 1617134

Ion Ratio Lower Upper

91 100

92 52.8 26.3 78.9

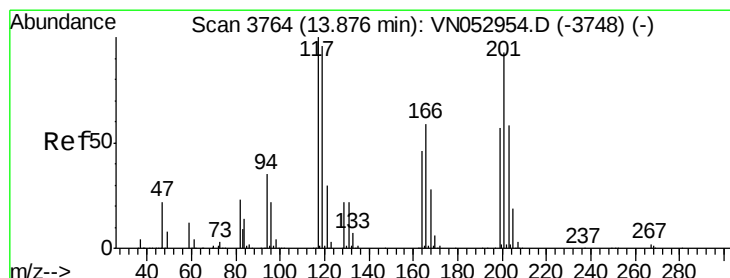
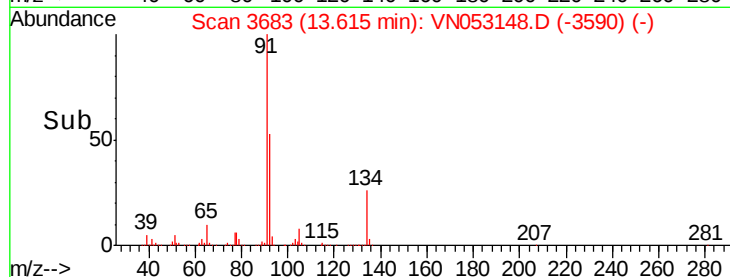
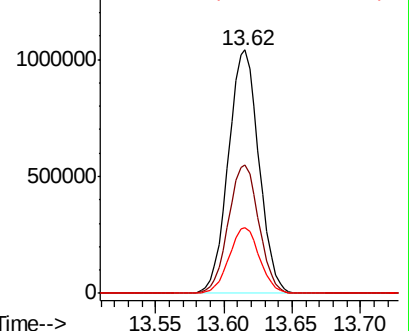
134 26.9 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN053148.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN053148.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN053148.D (-3667) (-)



#90

Hexachloroethane

Concen: 52.383 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN053148.D

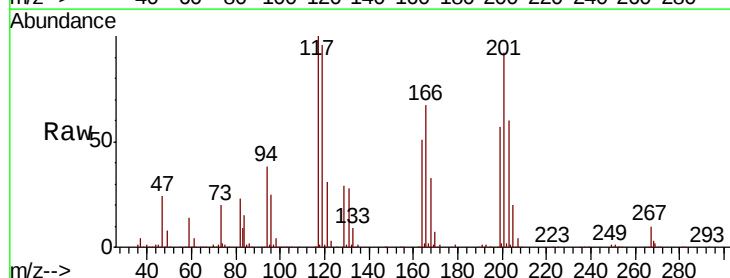
Acq: 22 Dec 2018 22:32

Tgt Ion: 117 Resp: 322185

Ion Ratio Lower Upper

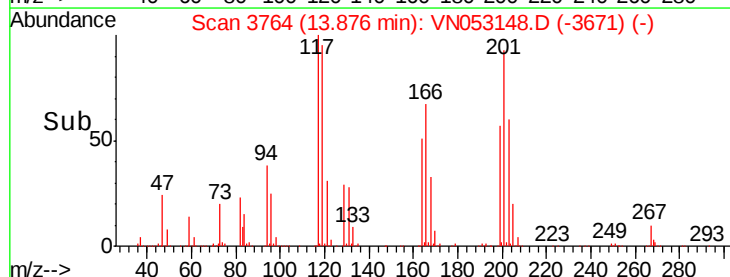
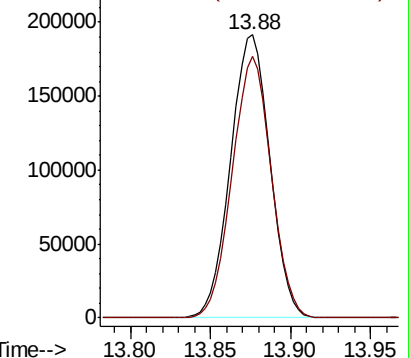
117 100

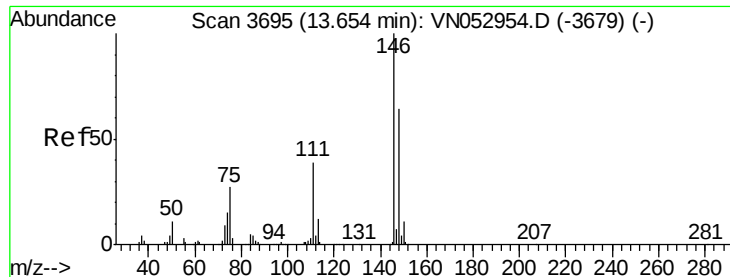
201 91.4 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN053148.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN053148.D (-3748) (-)

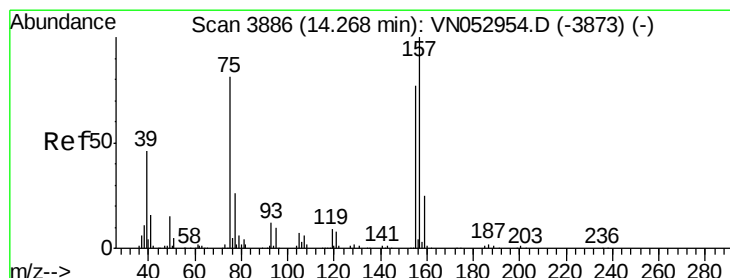
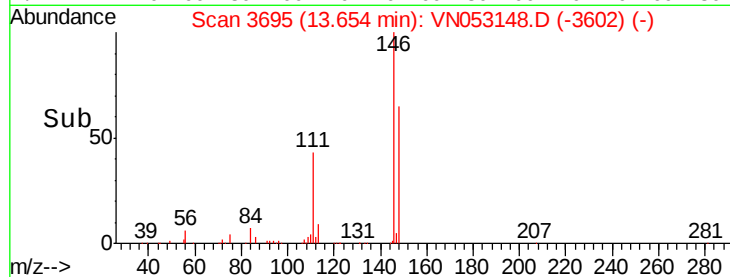
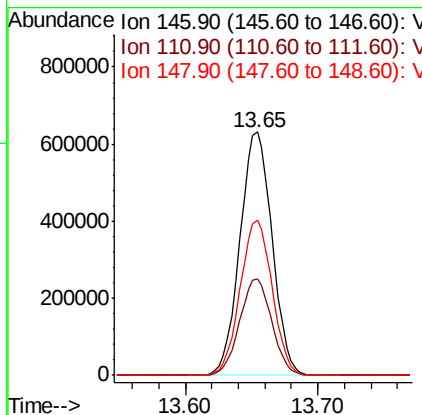
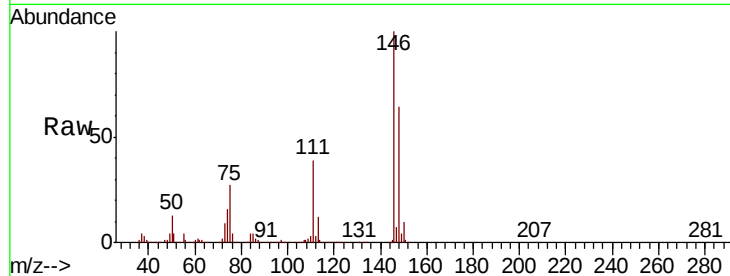




#91
 1,2-Dichlorobenzene
 Concen: 51.570 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

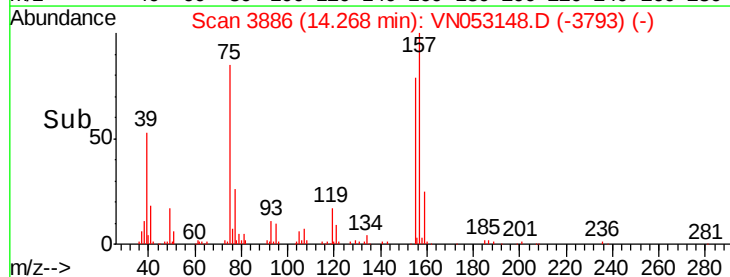
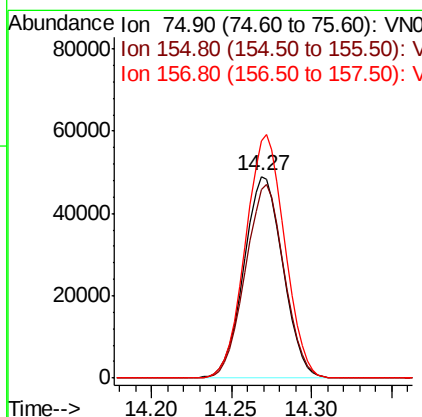
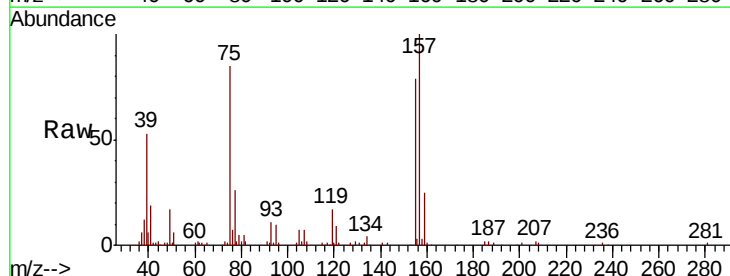
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

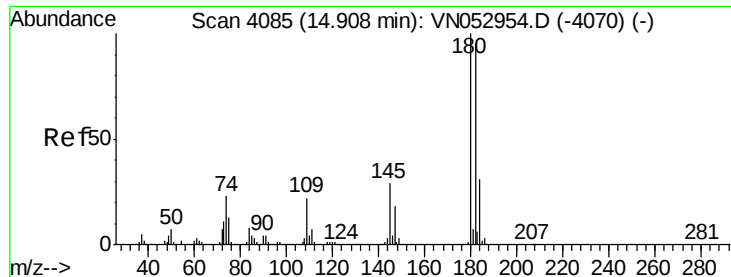
Tot Ion:146 Resp: 1062232
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.7 59.0
 148 63.7 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.522 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion: 75 Resp: 81527
 Ion Ratio Lower Upper
 75 100
 155 95.6 48.2 144.6
 157 121.4 61.2 183.5

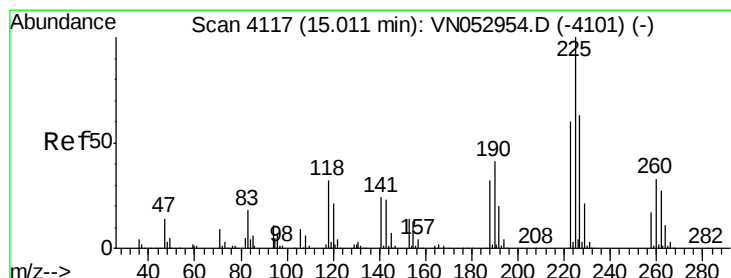
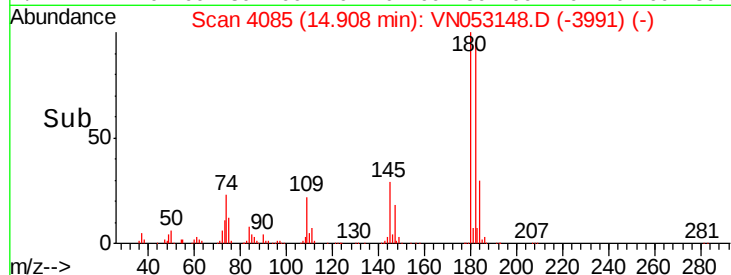
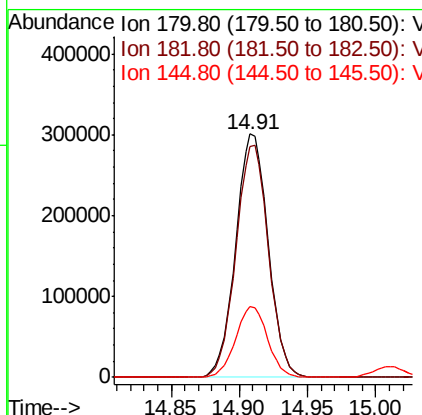
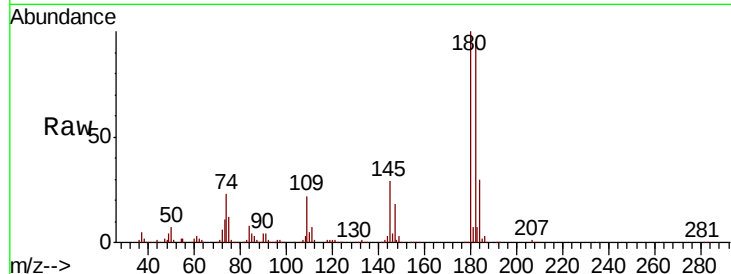




#93
 1,2,4-Trichlorobenzene
 Concen: 45.516 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

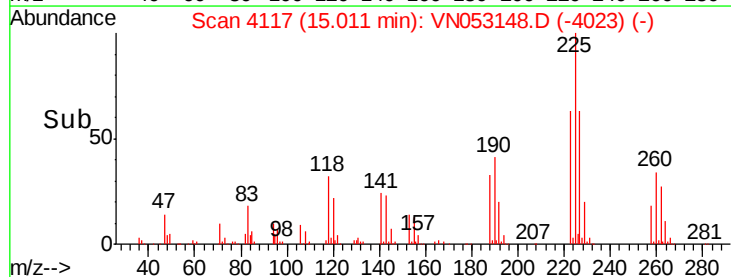
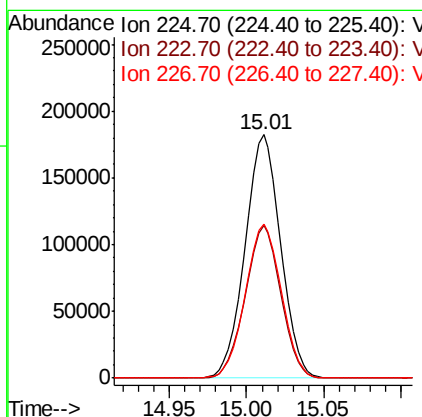
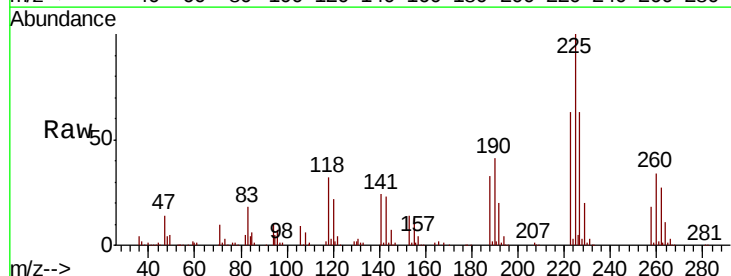
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

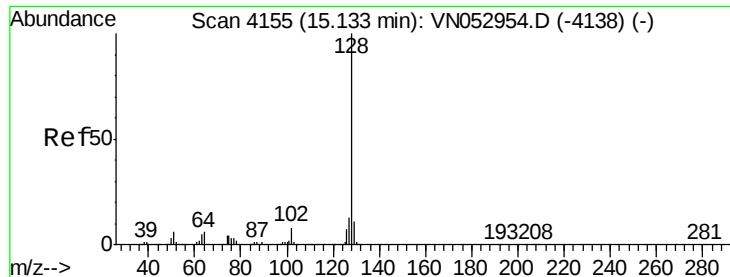
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.8	143.3
145	28.6	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 51.793 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053148.D
 Acq: 22 Dec 2018 22:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.5	94.5
227	64.1	31.9	95.7

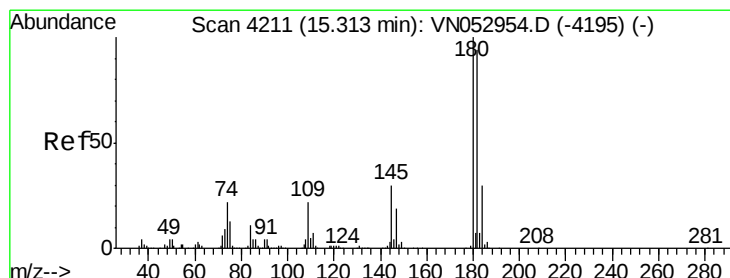
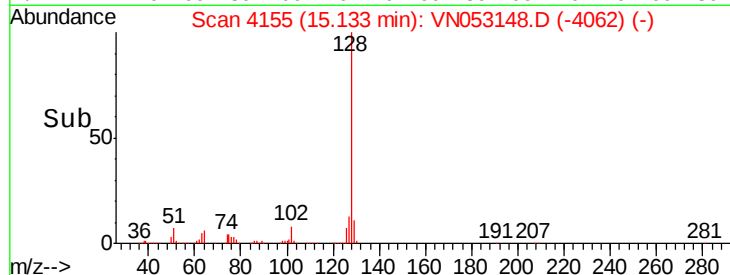
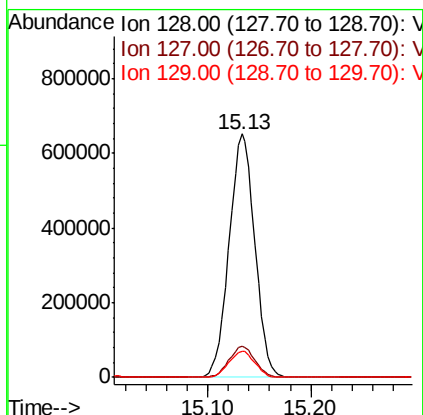
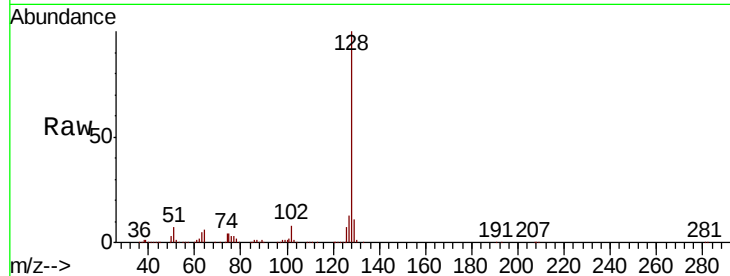




#95
Naphthalene
Concen: 47.274 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 1128570
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 10.8 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 45.796 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053148.D
Acq: 22 Dec 2018 22:32

Tgt Ion:180 Resp: 449617
Ion Ratio Lower Upper
180 100
182 96.2 47.9 143.7
145 29.8 15.0 45.0

