

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052619.D
 Acq On : 3 Dec 2018 9:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 04 00:29:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1057545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1591618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1432745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	680579	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	540969	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
35) Dibromofluoromethane	7.59	113	491992	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
50) Toluene-d8	10.09	98	1920048	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	674370	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	443896	44.828	ug/l	98
3) Chloromethane	2.06	50	570281	43.630	ug/l	99
4) Vinyl Chloride	2.19	62	595615	44.359	ug/l	100
5) Bromomethane	2.57	94	362127	43.225	ug/l	100
6) Chloroethane	2.71	64	357707	43.981	ug/l	99
7) Trichlorofluoromethane	3.02	101	770523	46.718	ug/l	99
8) Diethyl Ether	3.41	74	281007	46.137	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	502405	48.817	ug/l	99
10) Methyl Iodide	3.96	142	700034	51.071	ug/l	99
11) Tert butyl alcohol	4.78	59	141028	244.645	ug/l	100
12) 1,1-Dichloroethene	3.74	96	458034	46.236	ug/l	99
13) Acrolein	3.61	56	201715	201.334	ug/l	99
14) Allyl chloride	4.33	41	802615	47.009	ug/l	98
15) Acrylonitrile	4.99	53	855125	234.341	ug/l	99
16) Acetone	3.81	43	788896	259.751	ug/l	99
17) Carbon Disulfide	4.06	76	1360067	43.627	ug/l	100
18) Methyl Acetate	4.33	43	412203	47.315	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1253296	47.550	ug/l	99
20) Methylene Chloride	4.55	84	528909	44.502	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	499140	47.177	ug/l	95
22) Diisopropyl ether	5.95	45	1686899	47.036	ug/l	98
23) Vinyl Acetate	5.90	43	5207433	233.120	ug/l	99
24) 1,1-Dichloroethane	5.85	63	954485	46.612	ug/l	99
25) 2-Butanone	6.83	43	1041835	242.016	ug/l	97
26) 2,2-Dichloropropane	6.83	77	709430	50.053	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	577829	46.884	ug/l	100
28) Bromochloromethane	7.19	49	454556	48.601	ug/l	97
29) Tetrahydrofuran	7.21	42	632163	227.677	ug/l	99
30) Chloroform	7.37	83	939267	45.975	ug/l	98
31) Cyclohexane	7.65	56	898641	45.307	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	777322	48.022	ug/l	99
36) 1,1-Dichloropropene	7.79	75	739282	49.187	ug/l	99
37) Ethyl Acetate	6.93	43	423992	46.223	ug/l	100
38) Carbon Tetrachloride	7.77	117	677423	49.788	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	913630	50.011	ug/l	99
40) Benzene	8.04	78	2185106	48.783	ug/l	100
41) Methacrylonitrile	7.17	41	272504	54.340	ug/l	90
42) 1,2-Dichloroethane	8.12	62	660820	48.724	ug/l	100
43) Isopropyl Acetate	8.16	43	755959	48.699	ug/l	100
44) Trichloroethene	8.83	130	574983	50.114	ug/l	100
45) 1,2-Dichloropropane	9.12	63	580281	48.728	ug/l	99
46) Dibromomethane	9.21	93	329506	49.982	ug/l	99
47) Bromodichloromethane	9.40	83	722846	50.432	ug/l	100
48) Methyl methacrylate	9.20	41	382175	47.216	ug/l	97
49) 1,4-Dioxane	9.20	88	91826	1093.119	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2147092	246.522	ug/l	99
52) Toluene	10.16	92	1348490	50.670	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	723599	52.477	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	860901	52.100	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	473840	50.617	ug/l	99
56) Ethyl methacrylate	10.43	69	597004	46.146	ug/l	99
57) 1,3-Dichloropropane	10.71	76	815165	49.316	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1745766	257.003	ug/l	99
59) 2-Hexanone	10.75	43	1532900	262.239	ug/l	99
60) Dibromochloromethane	10.90	129	538116	52.926	ug/l	99
61) 1,2-Dibromoethane	11.01	107	466048	50.125	ug/l	100
64) Tetrachloroethene	10.63	164	557833	50.217	ug/l	99
65) Chlorobenzene	11.44	112	1493487	50.553	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	519572	50.580	ug/l	99
67) Ethyl Benzene	11.51	91	2631413	50.863	ug/l	100
68) m/p-Xylenes	11.62	106	1987569	103.198	ug/l	99
69) o-Xylene	11.95	106	962392	51.457	ug/l	100
70) Styrene	11.96	104	1588304	53.318	ug/l	99
71) Bromoform	12.13	173	365849	53.789	ug/l #	100
73) Isopropylbenzene	12.25	105	2606524	48.815	ug/l	99
74) N-amyl acetate	12.07	43	652022	48.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	561969	46.266	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	716932	68.312	ug/l #	100
77) Bromobenzene	12.53	156	640607	48.538	ug/l	97
78) n-propylbenzene	12.59	91	3037922	50.081	ug/l	99
79) 2-Chlorotoluene	12.68	91	1749737	48.438	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2120345	49.791	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	163879	52.147	ug/l	97
82) 4-Chlorotoluene	12.77	91	1791153	49.199	ug/l	99
83) tert-Butylbenzene	12.99	119	1868505	49.217	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2139280	50.127	ug/l	99
85) sec-Butylbenzene	13.17	105	2588442	50.058	ug/l	100
86) p-Isopropyltoluene	13.29	119	2250407	51.096	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1164279	50.432	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1142716	50.252	ug/l	100
89) n-Butylbenzene	13.62	91	1949556	53.226	ug/l	100
90) Hexachloroethane	13.88	117	379030	50.826	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1099777	49.862	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85001	48.930	ug/l	97

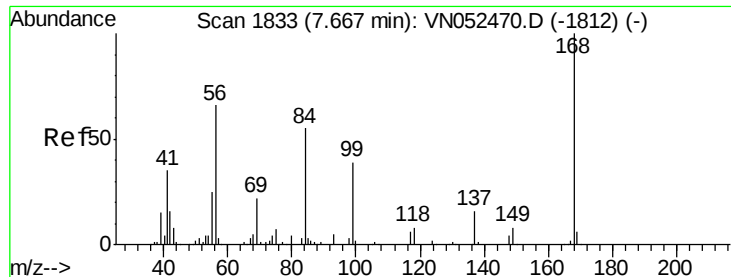
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	598871	49.589	ug/l	100
94) Hexachlorobutadiene	15.01	225	353833	49.866	ug/l	100
95) Naphthalene	15.13	128	1200090	47.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	542469	48.894	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: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

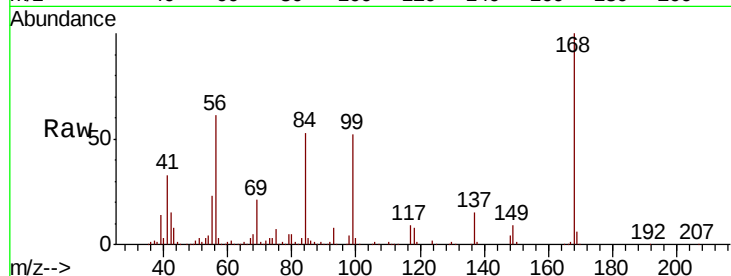
VSTDCCC050

Tot Ion:168 Resp: 1057545

Ion Ratio Lower Upper

168 100

99 51.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): VN052470.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN052470.D (-1812) (-)

7.67

400000

300000

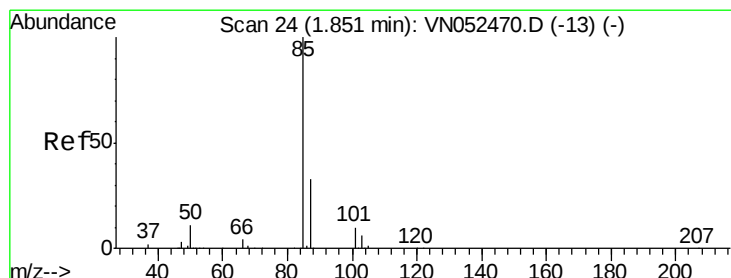
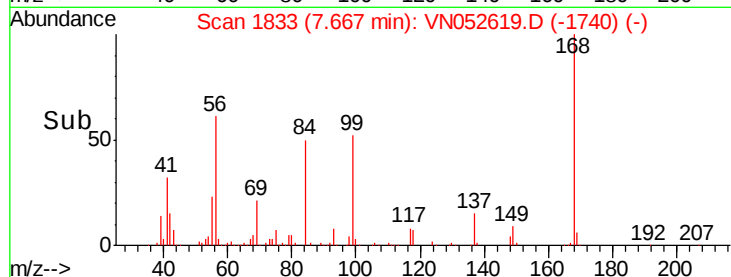
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.828 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052619.D

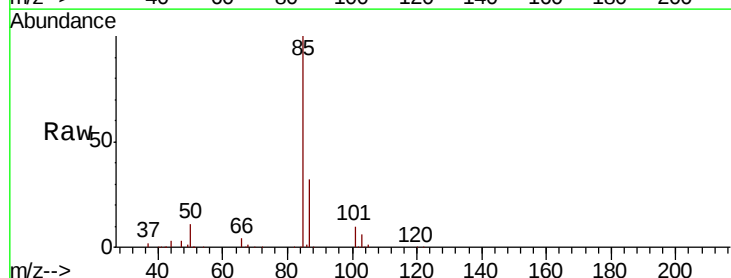
Acq: 3 Dec 2018 9:20

Tgt Ion: 85 Resp: 443896

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN052470.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN052470.D (-13) (-)

1.85

300000

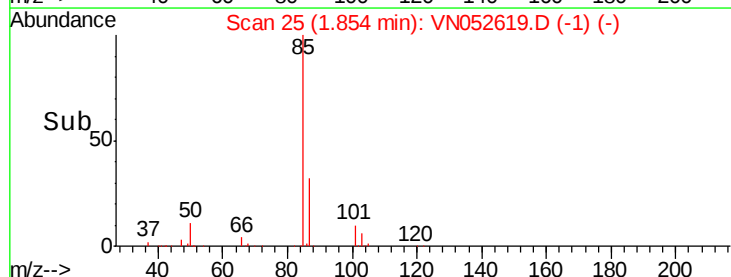
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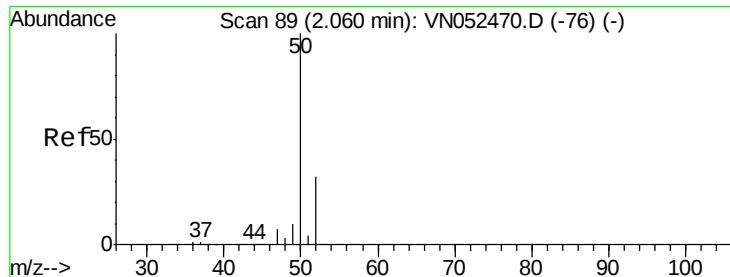
100000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 43.630 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

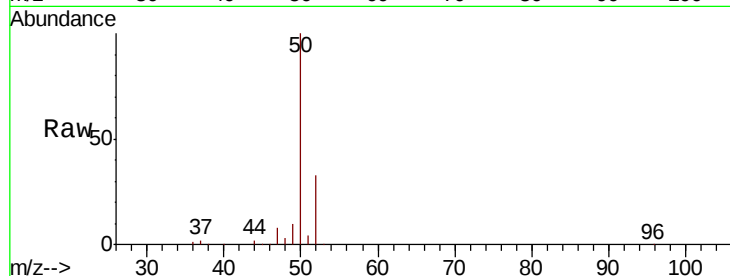
VSTDCCC050

Tot Ion: 50 Resp: 570281

Ion Ratio Lower Upper

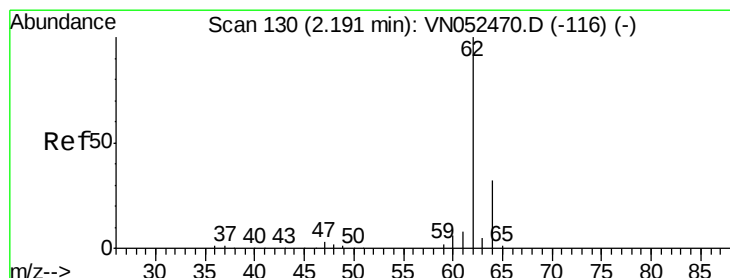
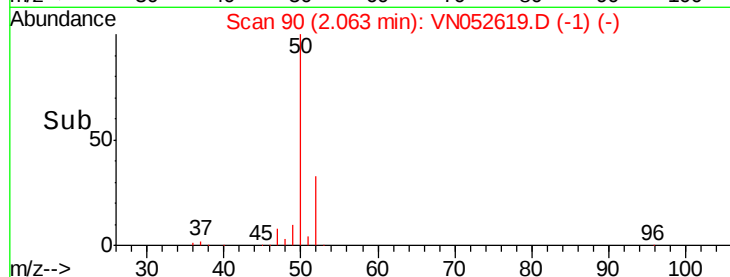
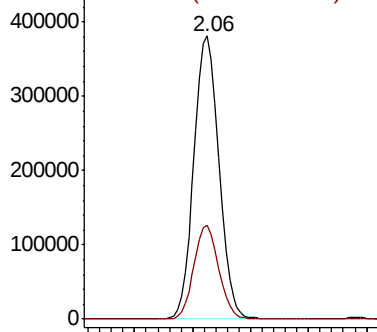
50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.359 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052619.D

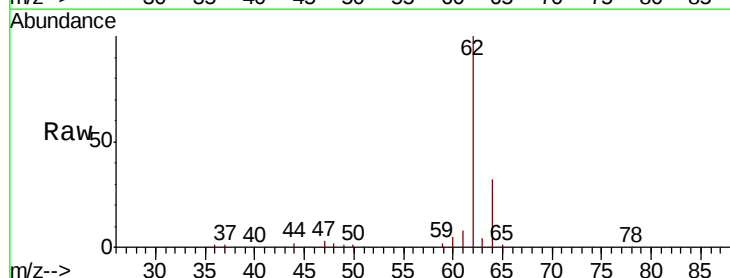
Acq: 3 Dec 2018 9:20

Tgt Ion: 62 Resp: 595615

Ion Ratio Lower Upper

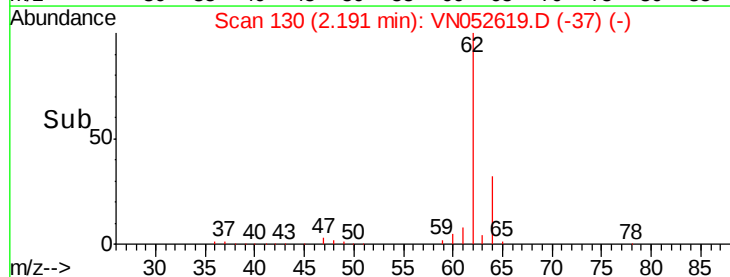
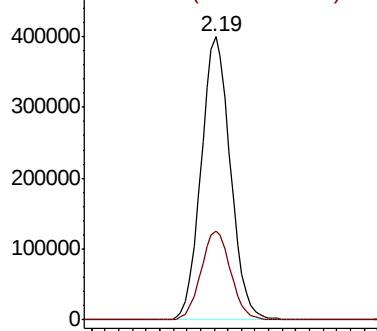
62 100

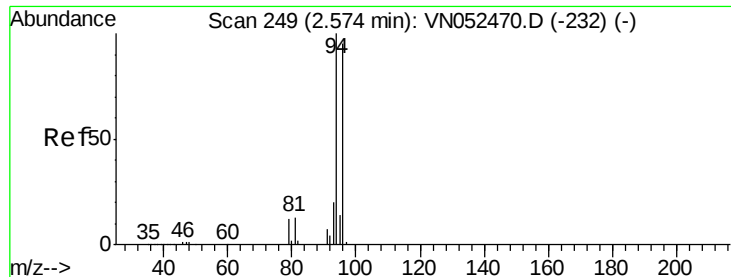
64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.225 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

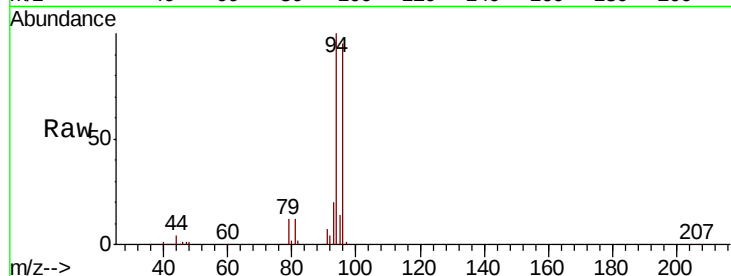
VSTDCCC050

Tot Ion: 94 Resp: 362127

Ion Ratio Lower Upper

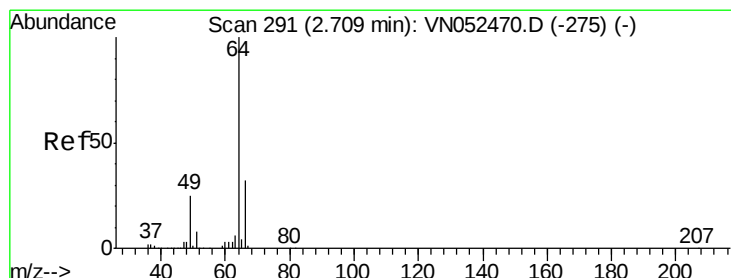
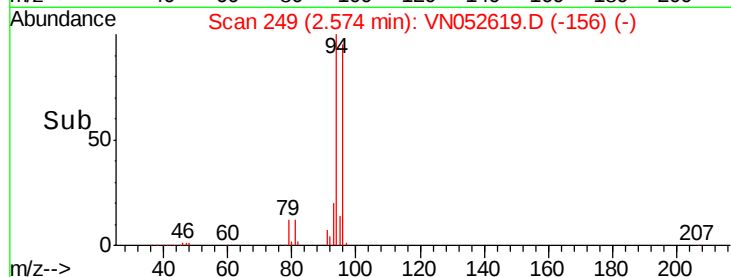
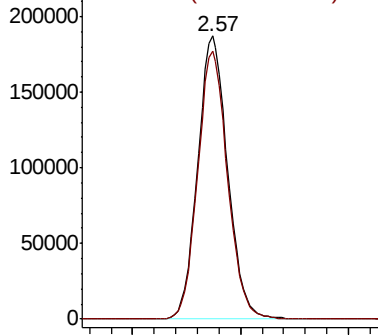
94 100

96 94.8 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.981 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052619.D

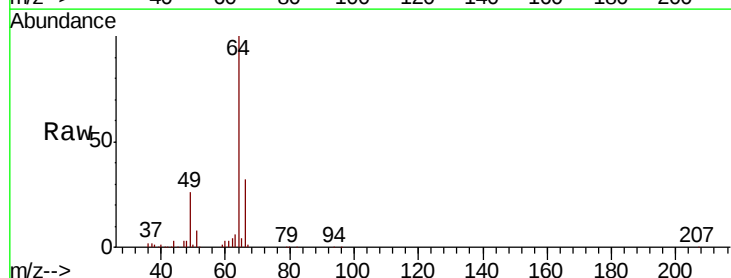
Acq: 3 Dec 2018 9:20

Tgt Ion: 64 Resp: 357707

Ion Ratio Lower Upper

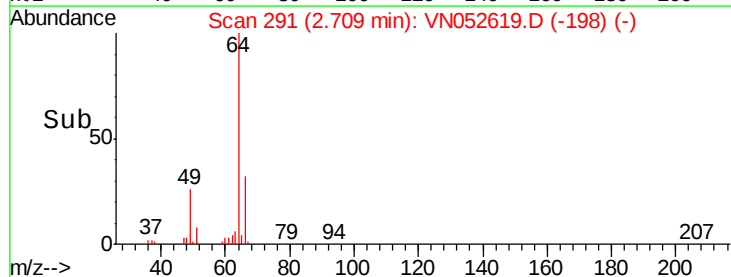
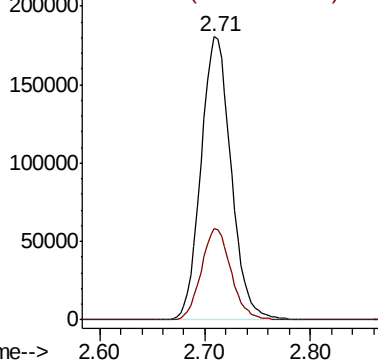
64 100

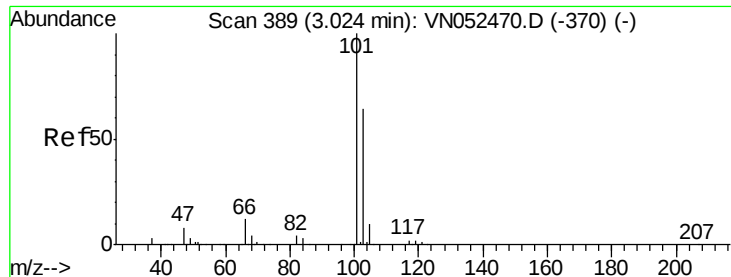
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



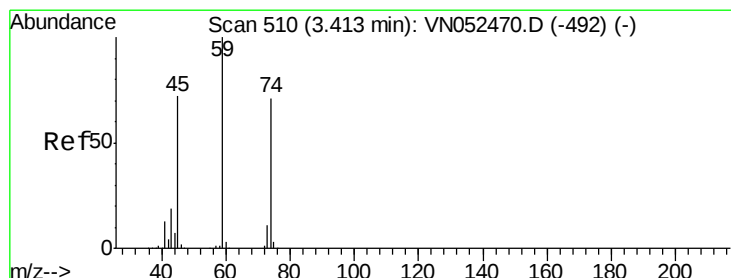
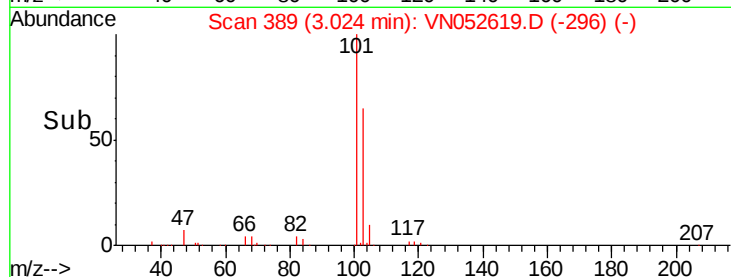
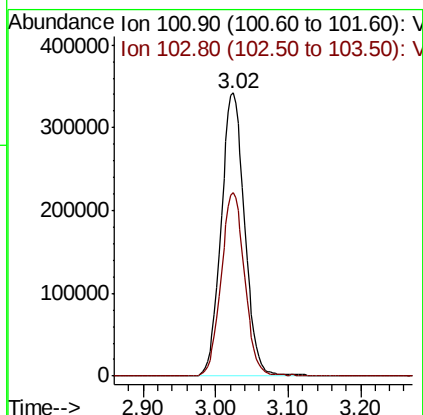
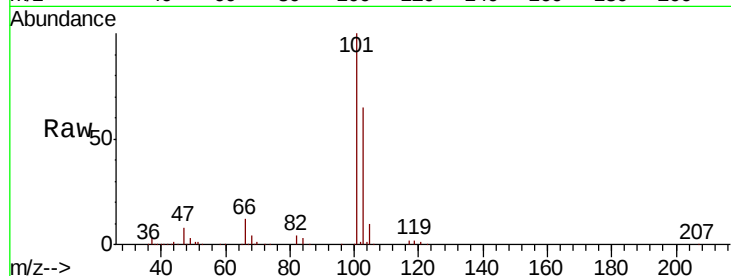


#7

Trichlorofluoromethane
 Concen: 46.718 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

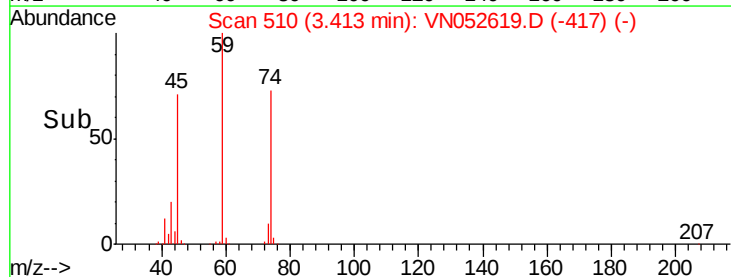
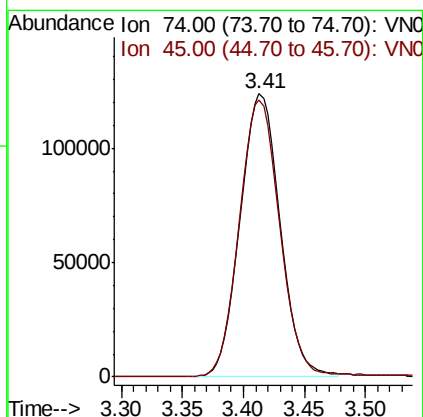
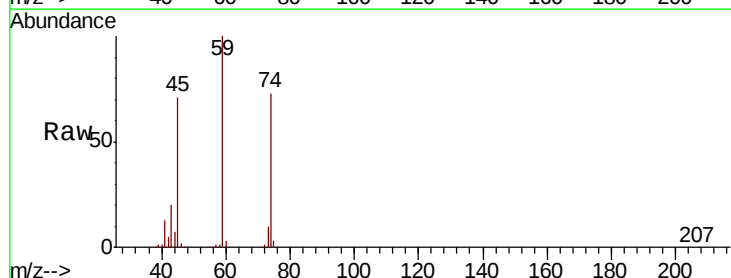
Tot Ion:101 Resp: 770523
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.4 77.2

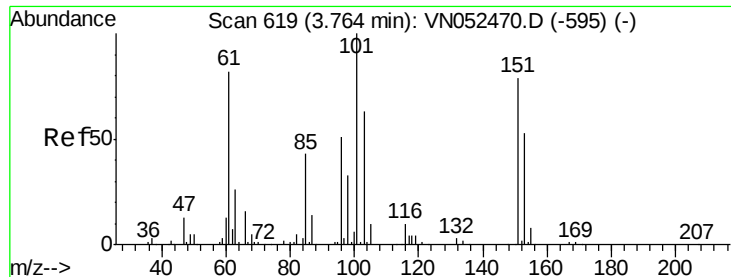


#8

Diethyl Ether
 Concen: 46.137 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 74 Resp: 281007
 Ion Ratio Lower Upper
 74 100
 45 98.9 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.817 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

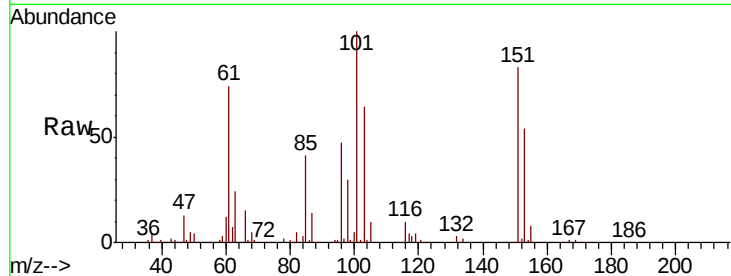
Tot Ion:101 Resp: 502405

Ion Ratio Lower Upper

101 100

85 41.3 34.2 51.4

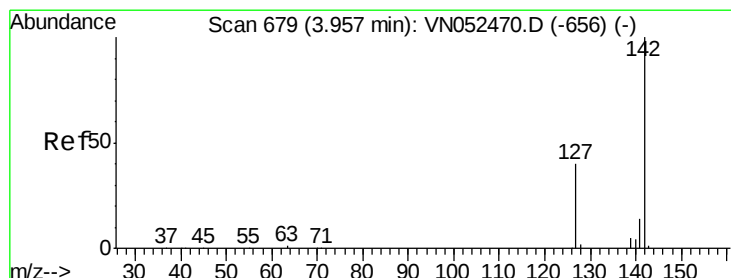
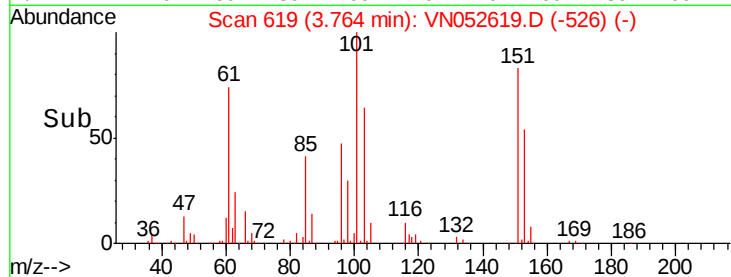
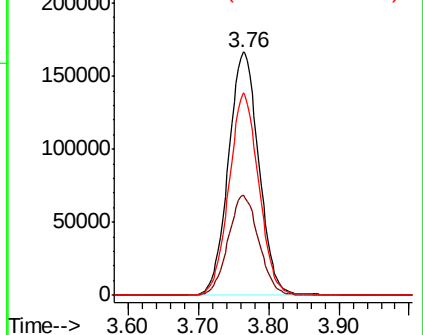
151 81.4 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.071 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

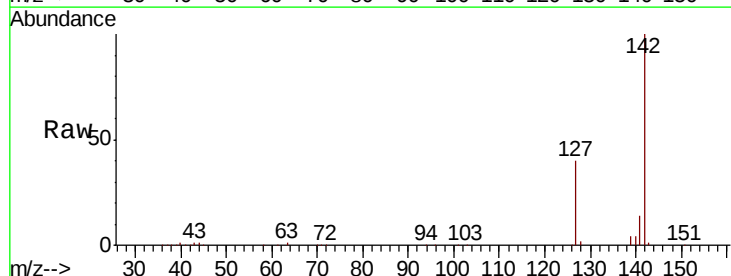
Tgt Ion:142 Resp: 700034

Ion Ratio Lower Upper

142 100

127 39.3 31.8 47.6

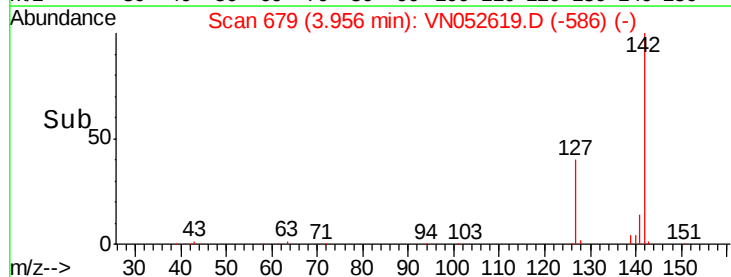
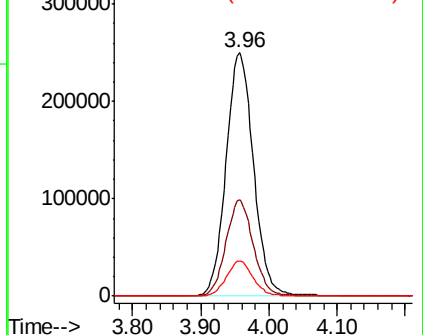
141 14.0 11.4 17.0

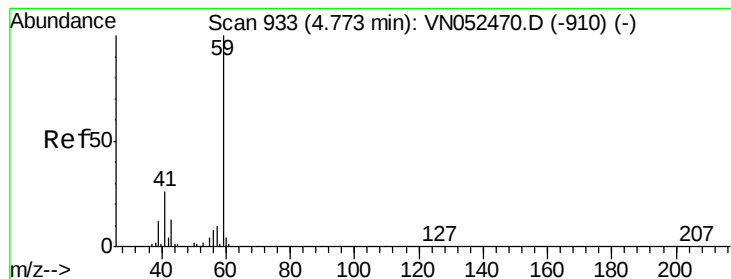


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



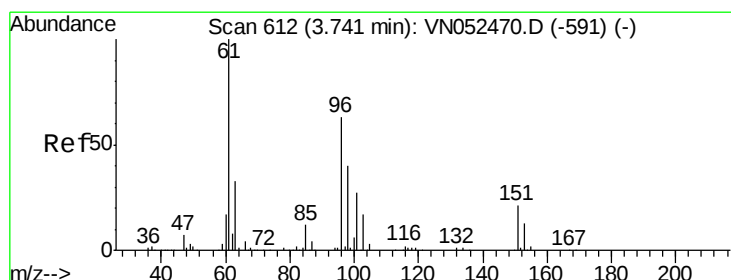
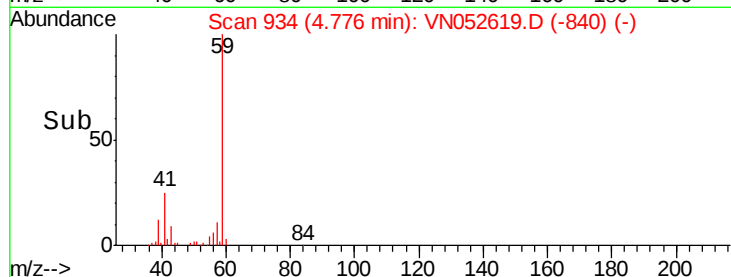
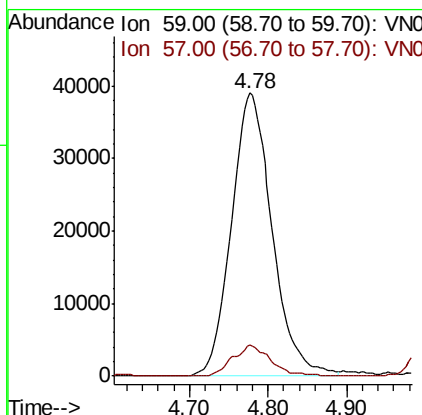
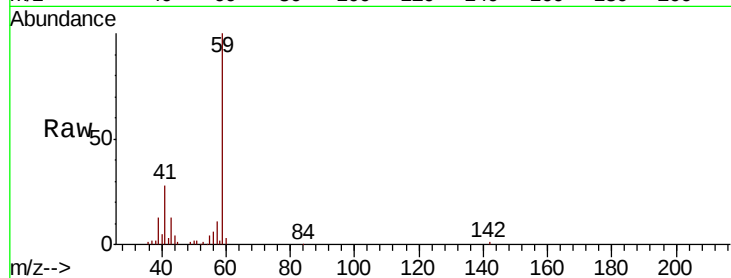


#11

Tert butyl alcohol
 Concen: 244.645 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

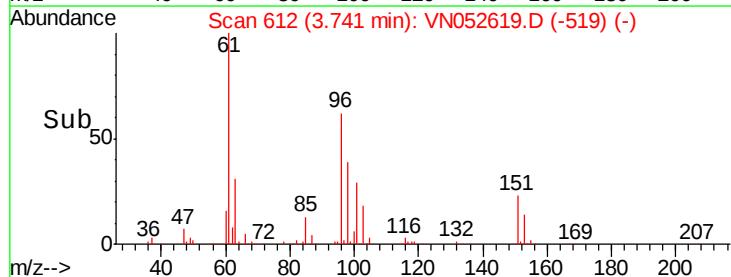
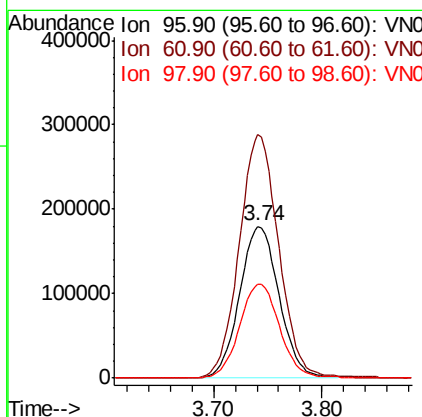
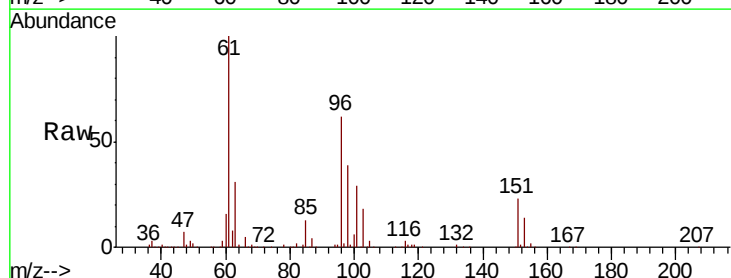
Tot Ion: 59 Resp: 141028
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

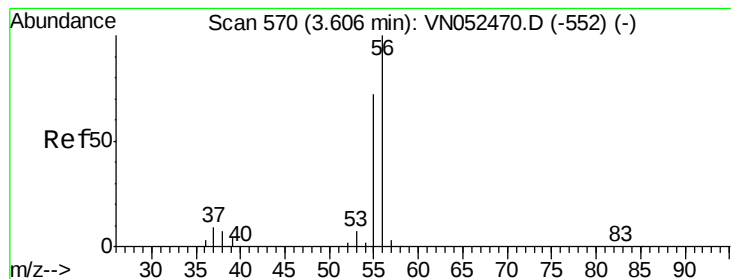


#12

1,1-Dichloroethene
 Concen: 46.236 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 96 Resp: 458034
 Ion Ratio Lower Upper
 96 100
 61 160.1 127.0 190.6
 98 62.0 50.3 75.5





#13

Acrolein

Concen: 201.334 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

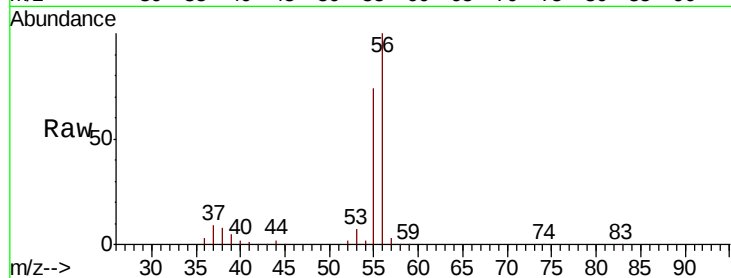
VSTDCCC050

Tot Ion: 56 Resp: 201715

Ion Ratio Lower Upper

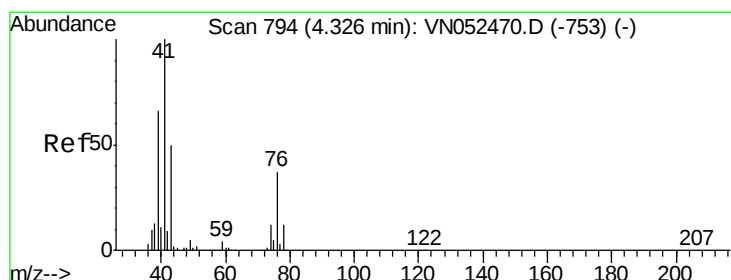
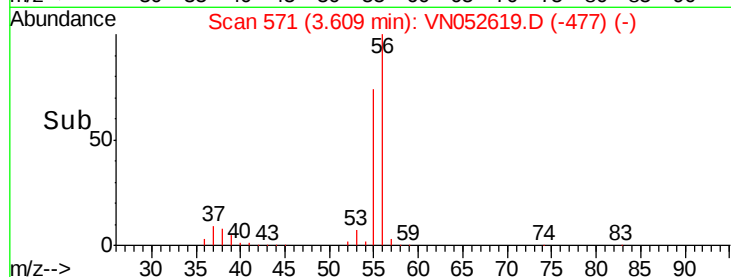
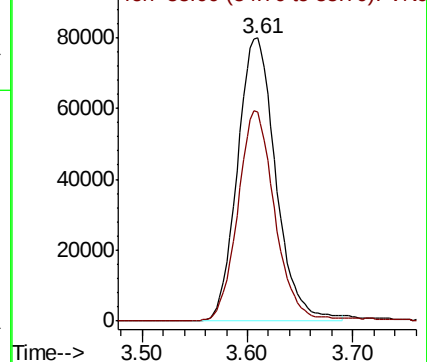
56 100

55 71.6 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.009 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

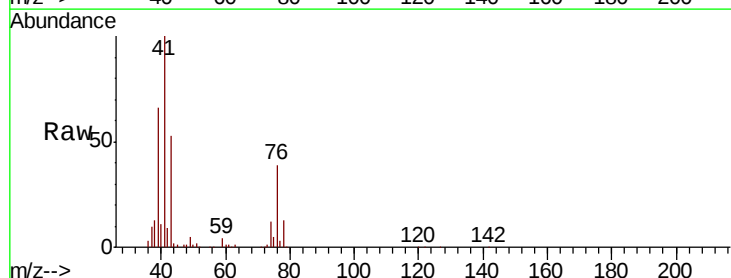
Tgt Ion: 41 Resp: 802615

Ion Ratio Lower Upper

41 100

39 64.5 50.6 76.0

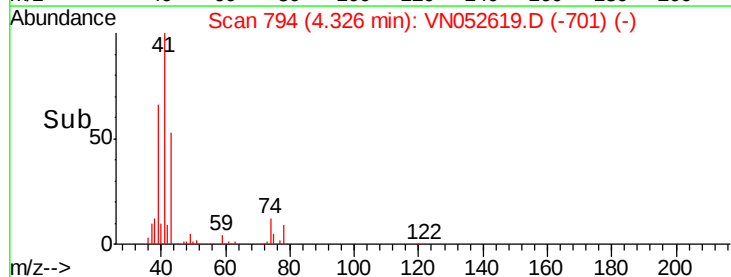
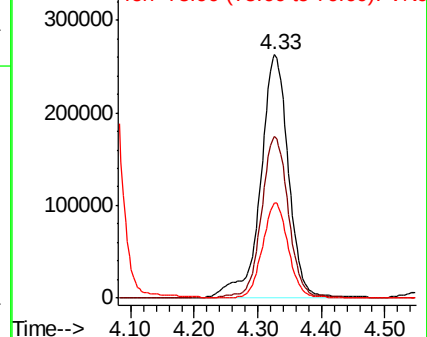
76 35.5 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 234.341 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

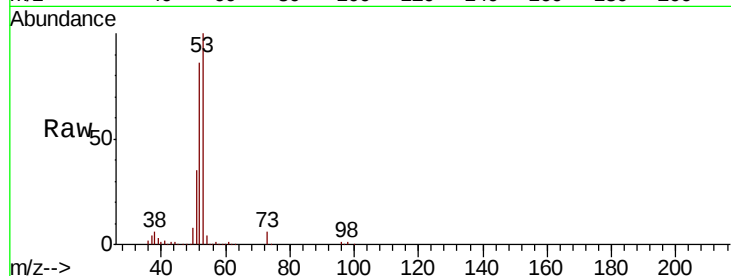
Tot Ion: 53 Resp: 855125

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

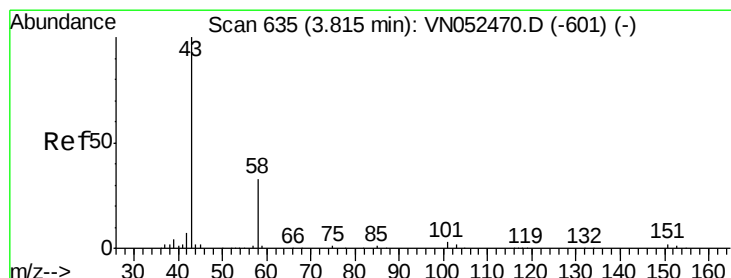
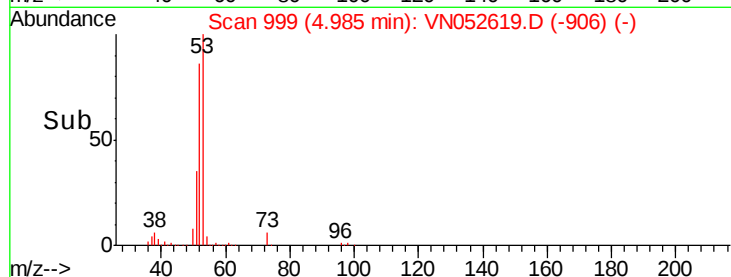
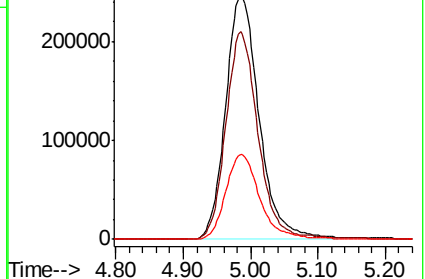
51 35.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052470.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052470.D (-976) (-)



#16

Acetone

Concen: 259.751 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052619.D

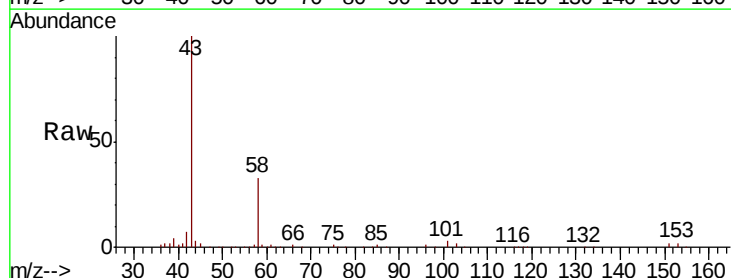
Acq: 3 Dec 2018 9:20

Tgt Ion: 43 Resp: 788896

Ion Ratio Lower Upper

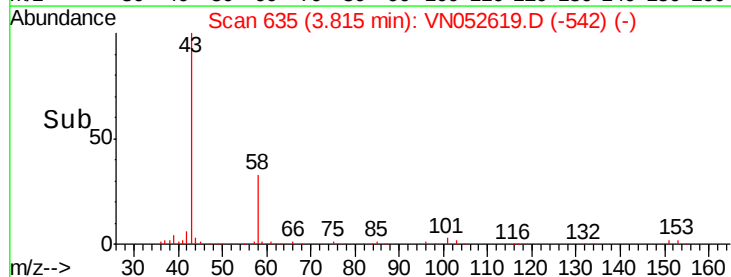
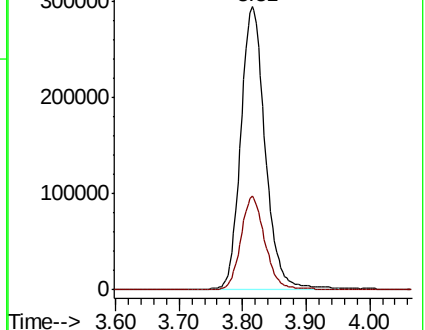
43 100

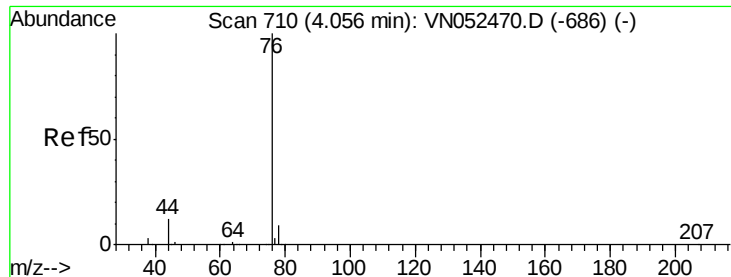
58 33.1 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)

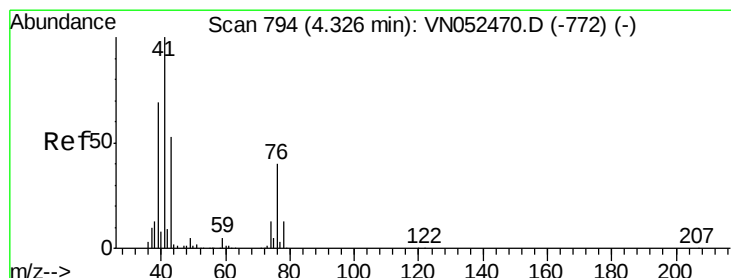
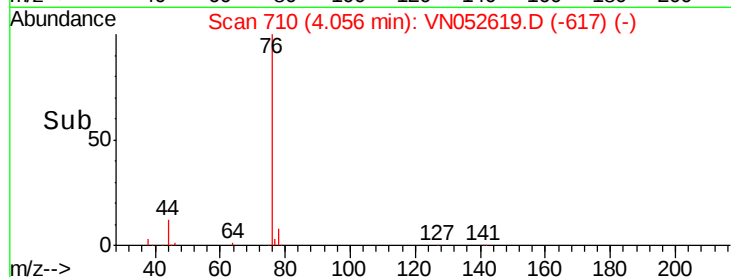
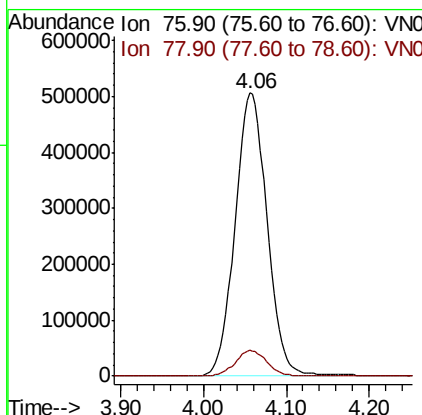
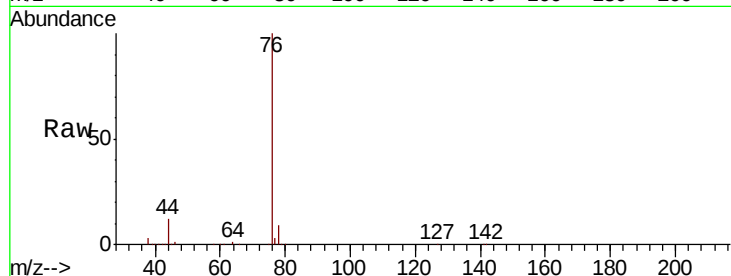




#17
Carbon Disulfide
Concen: 43.627 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

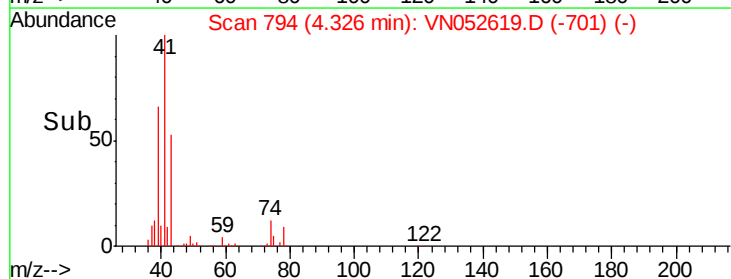
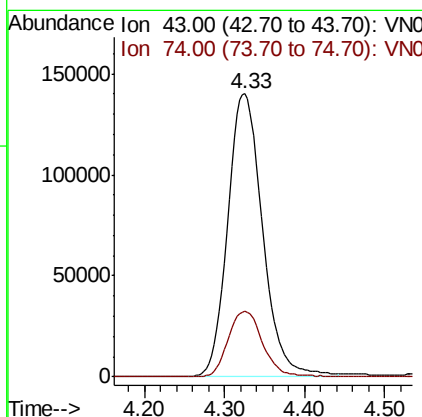
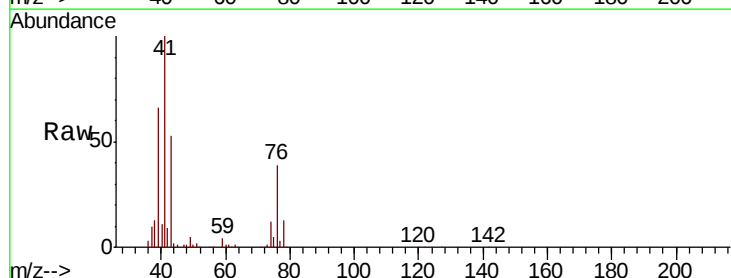
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

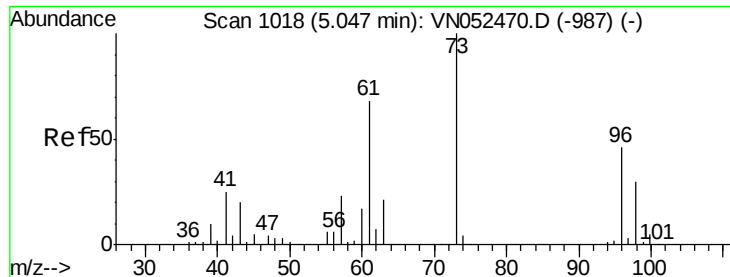
Tot Ion: 76 Resp: 1360067
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 47.315 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 43 Resp: 412203
Ion Ratio Lower Upper
43 100
74 23.2 18.6 27.8

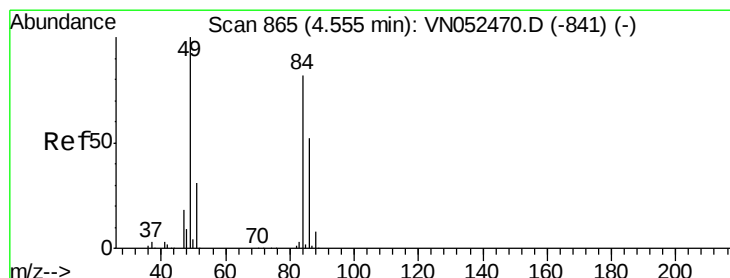
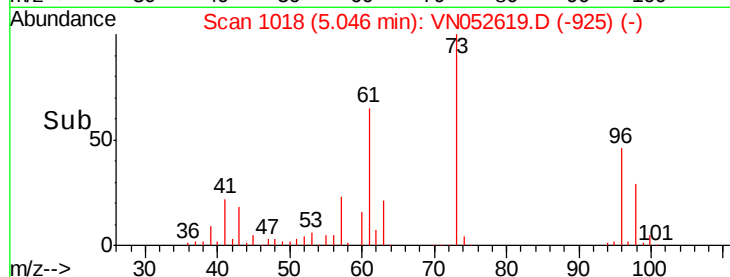
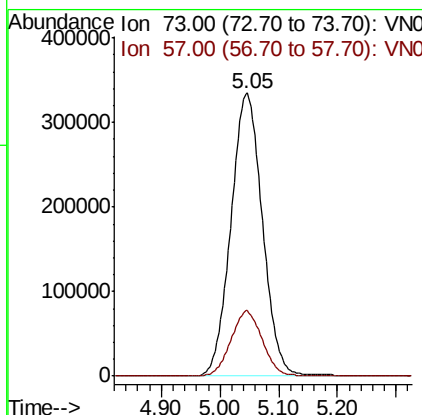
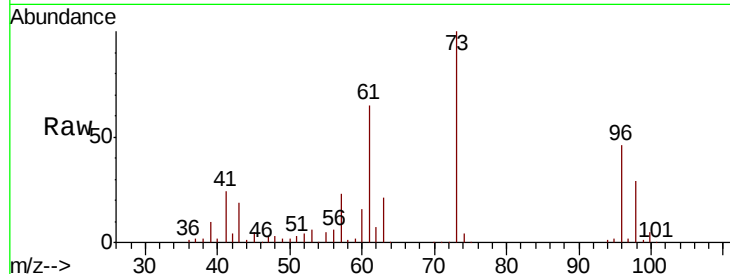




#19
Methyl tert-butyl Ether
Concen: 47.550 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

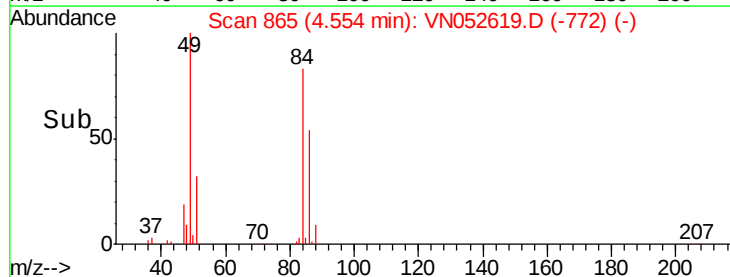
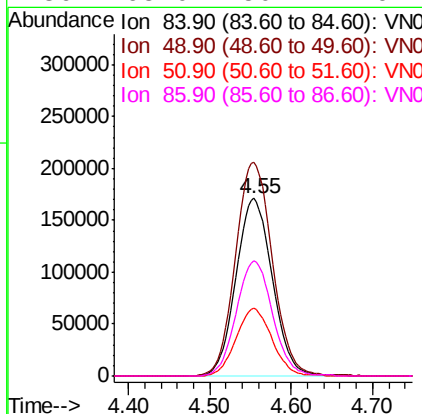
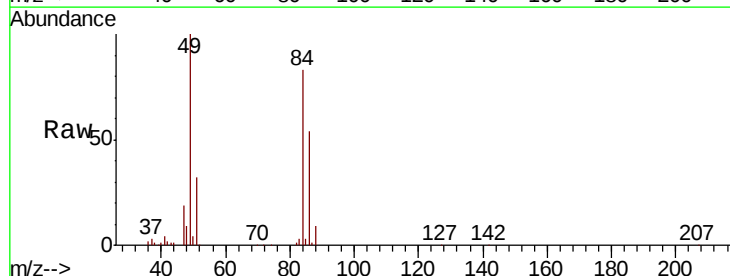
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

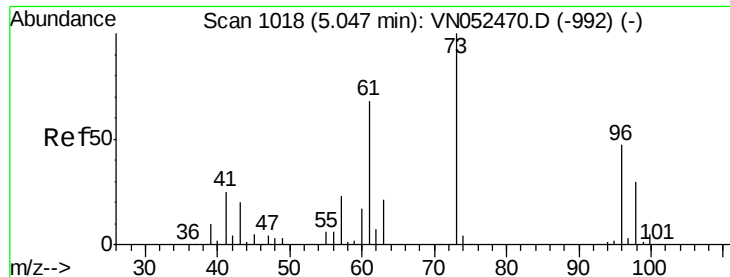
Tot Ion: 73 Resp: 1253296
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.2



#20
Methylene Chloride
Concen: 44.502 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 84 Resp: 528909
Ion Ratio Lower Upper
84 100
49 120.4 98.0 147.0
51 38.2 30.1 45.1
86 65.0 50.7 76.1

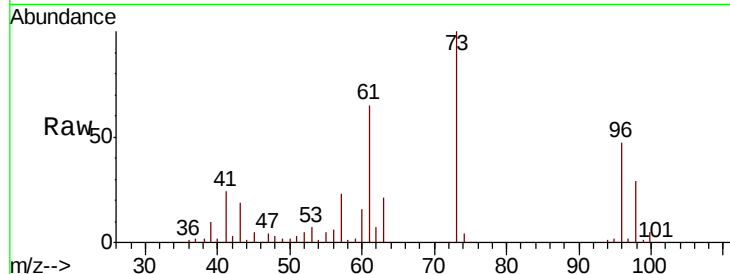




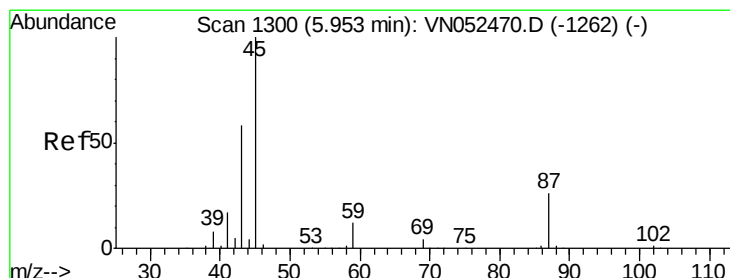
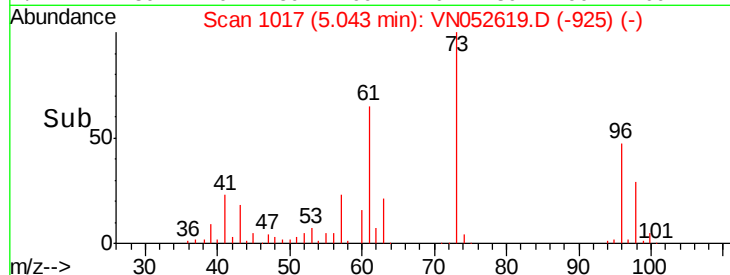
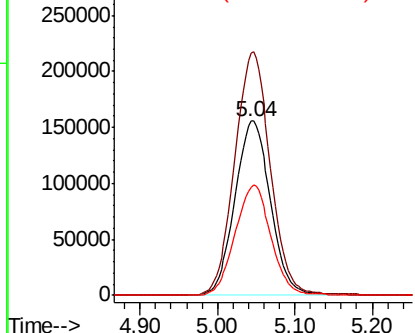
#21
trans-1,2-Dichloroethene
Concen: 47.177 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 499140
Ion Ratio Lower Upper
96 100
61 139.2 117.0 175.4
98 62.1 51.8 77.6

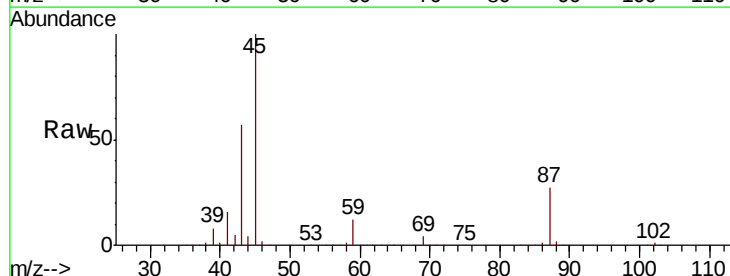


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

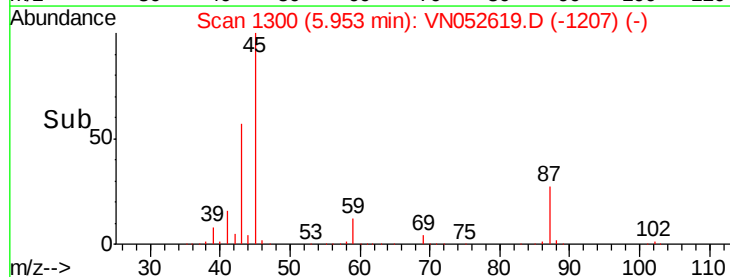
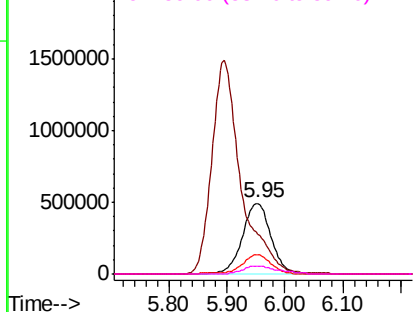


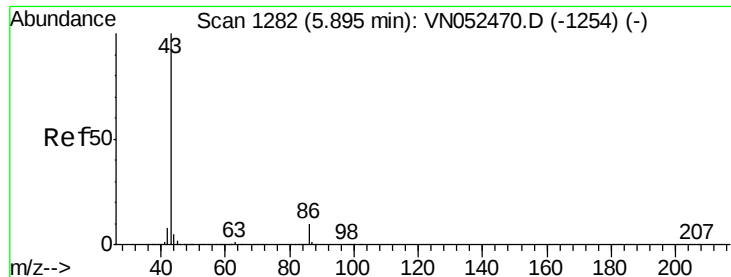
#22
Diisopropyl ether
Concen: 47.036 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 45 Resp: 1686899
Ion Ratio Lower Upper
45 100
43 55.9 46.1 69.1
87 27.4 21.3 31.9
59 11.6 9.5 14.3



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





#23

Vinyl Acetate

Concen: 233.120 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

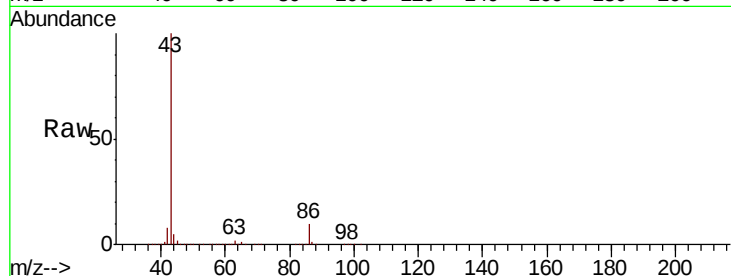
VSTDCCC050

Tot Ion: 43 Resp: 5207433

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN052470.D (-1254) (-)

1500000

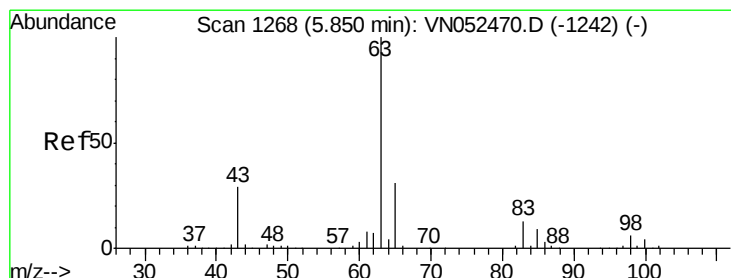
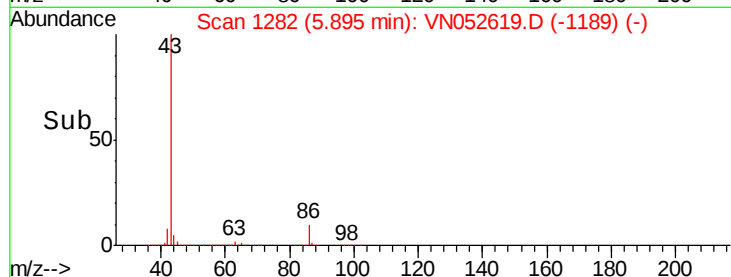
1000000

500000

0

5.80 5.90 6.00 6.20

Time-->



#24

1,1-Dichloroethane

Concen: 46.612 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

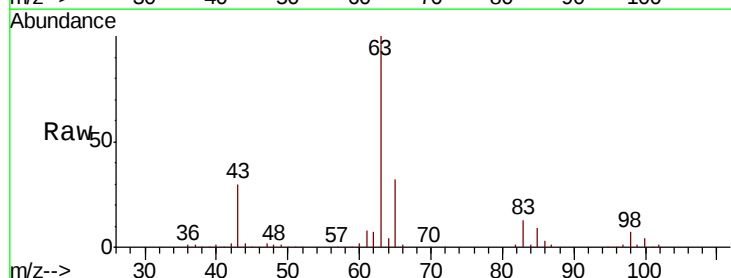
Tgt Ion: 63 Resp: 954485

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.2

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052470.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052470.D (-1242) (-)

400000

300000

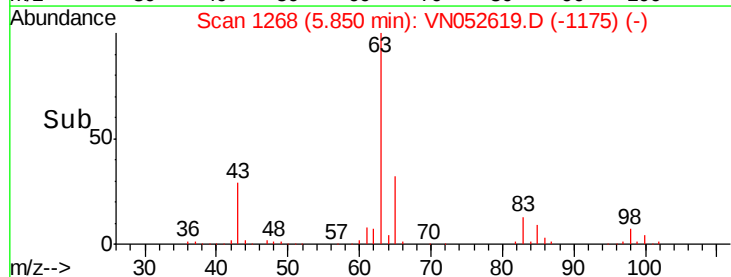
200000

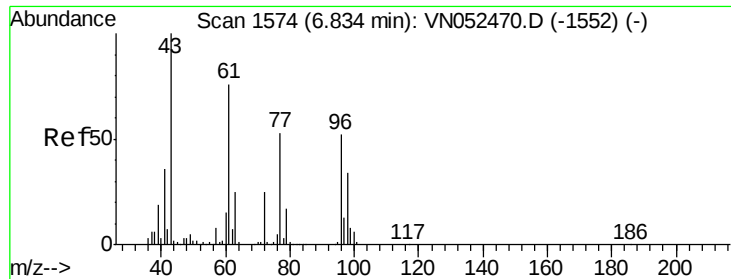
100000

0

5.70 5.80 5.90 6.00

Time-->

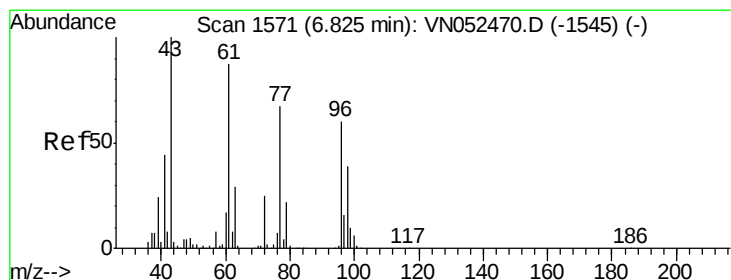
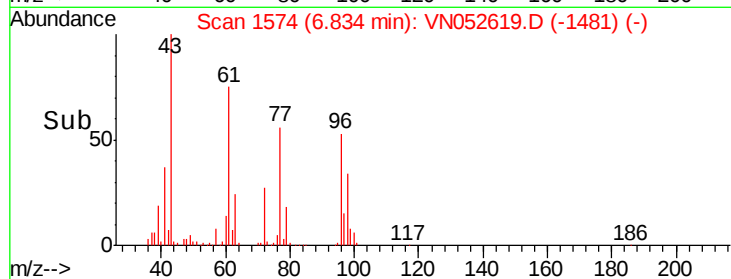
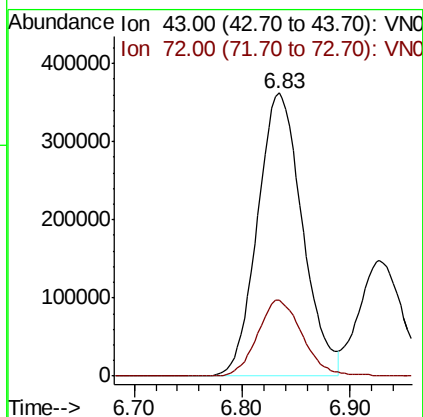
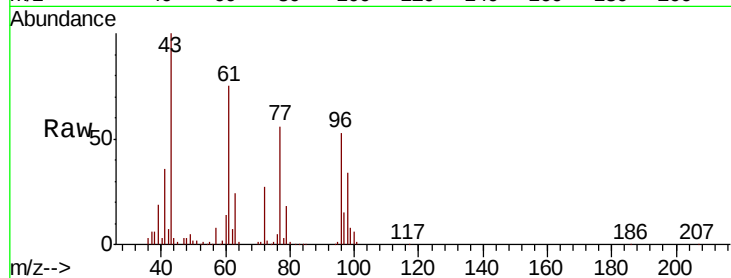




#25
2-Butanone
Concen: 242.016 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

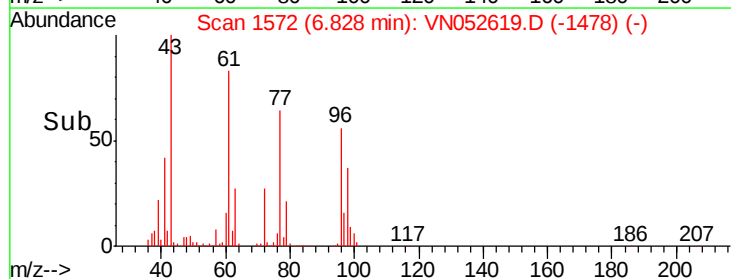
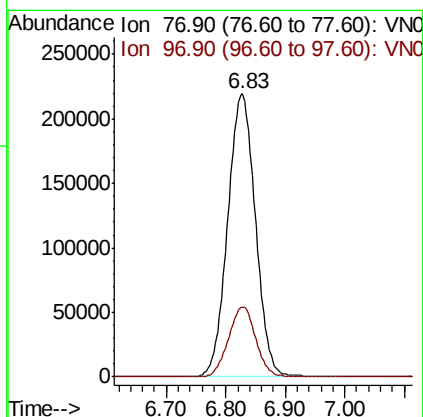
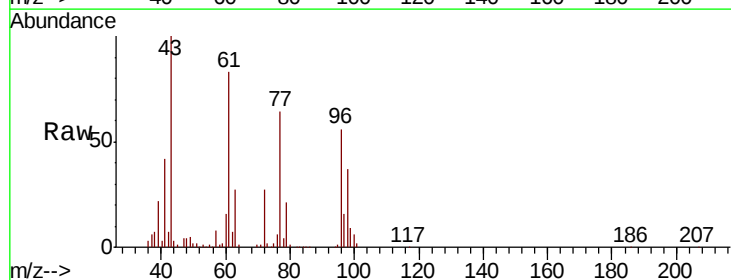
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1041835
Ion Ratio Lower Upper
43 100
72 26.8 20.1 30.1



#26
2,2-Dichloropropane
Concen: 50.053 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 77 Resp: 709430
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.884 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

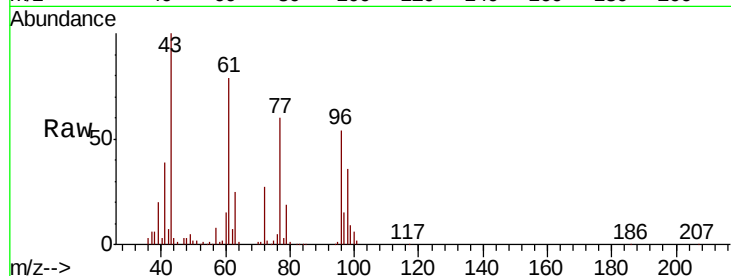
Tot Ion: 96 Resp: 577829

Ion Ratio Lower Upper

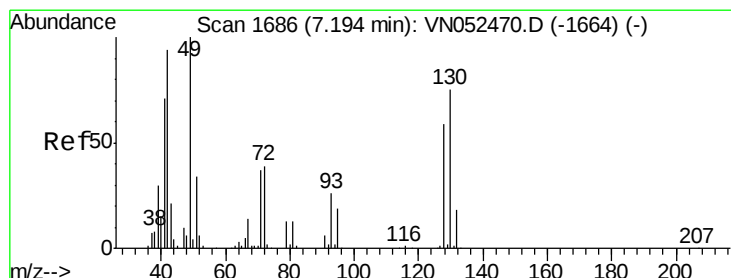
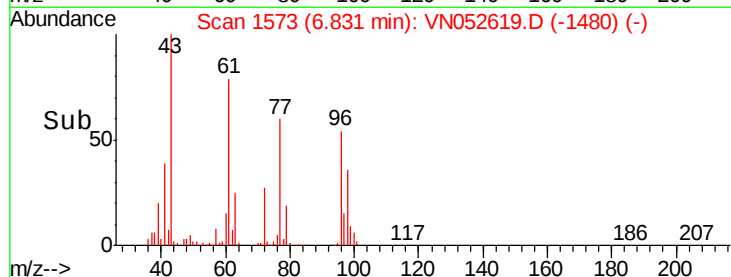
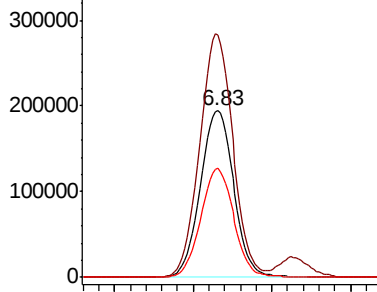
96 100

61 144.8 0.0 291.0

98 65.0 0.0 130.0



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



#28

Bromochloromethane

Concen: 48.601 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

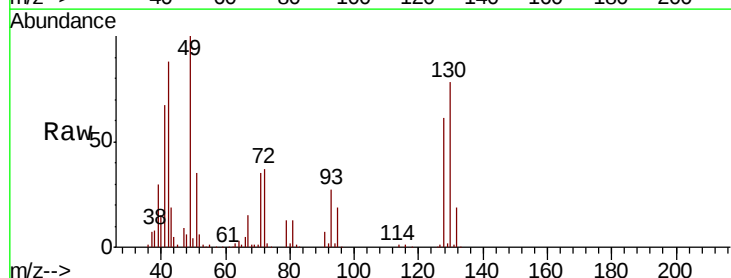
Tgt Ion: 49 Resp: 454556

Ion Ratio Lower Upper

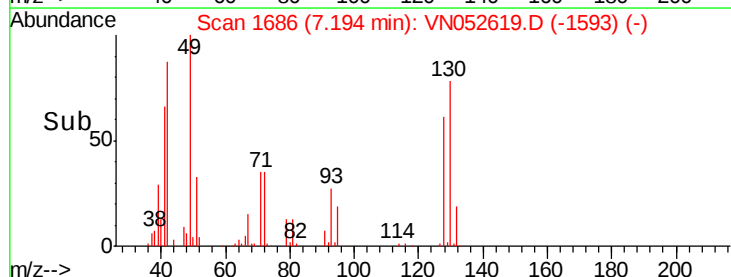
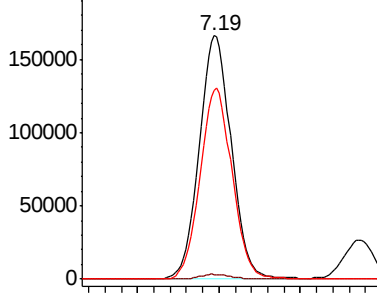
49 100

129 1.9 0.0 3.8

130 78.3 60.2 90.2



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

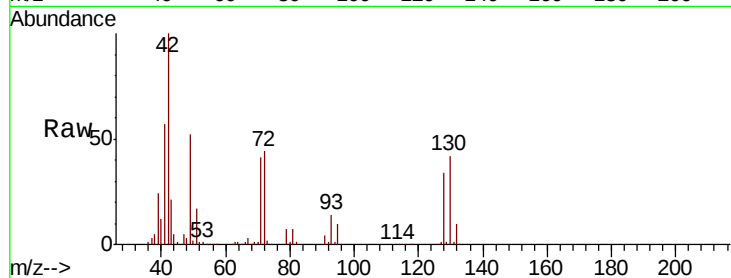




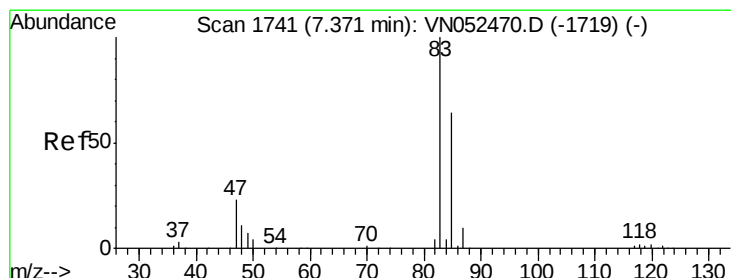
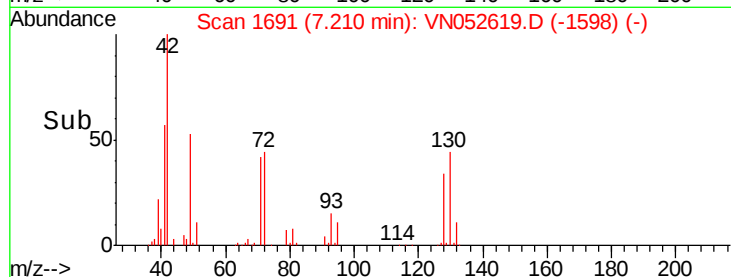
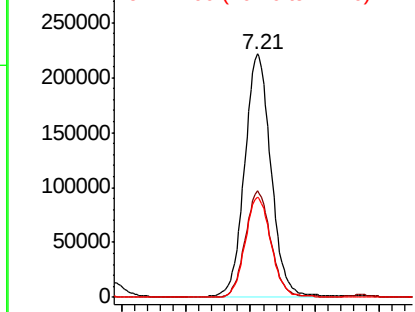
#29
Tetrahydrofuran
Concen: 227.677 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 632163
Ion Ratio Lower Upper
42 100
72 42.6 33.3 49.9
71 40.5 32.0 48.0

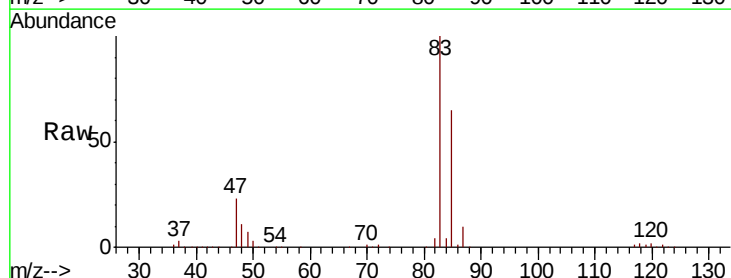


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

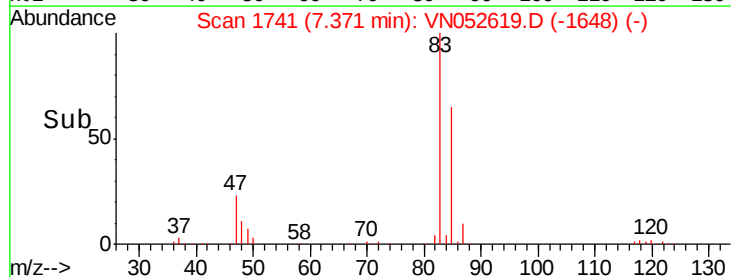
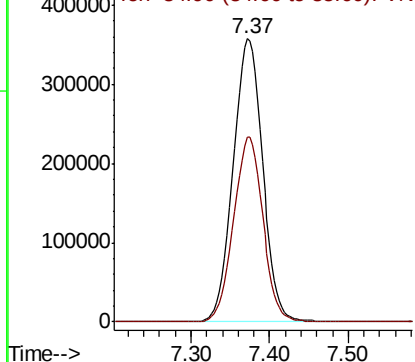


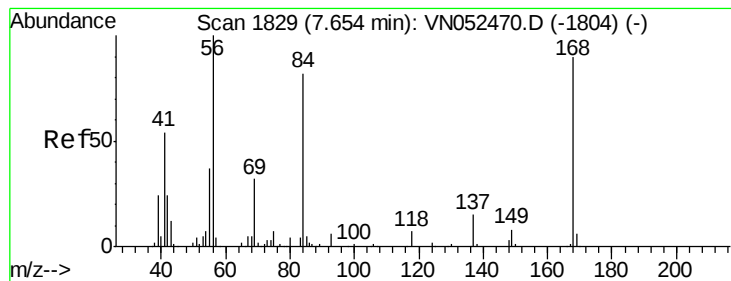
#30
Chloroform
Concen: 45.975 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 83 Resp: 939267
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 45.307 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

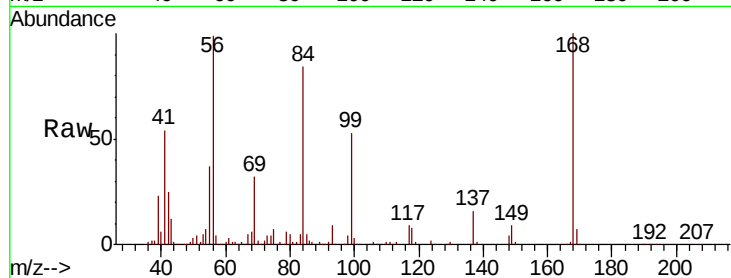
Tot Ion: 56 Resp: 898641

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.6

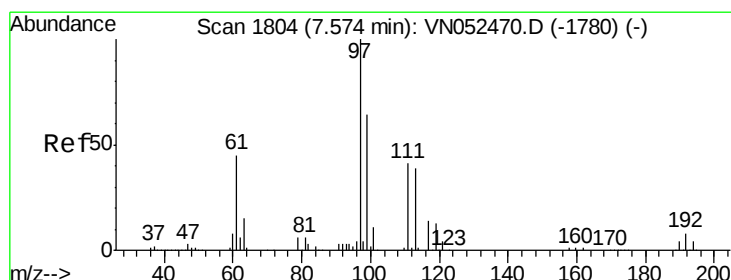
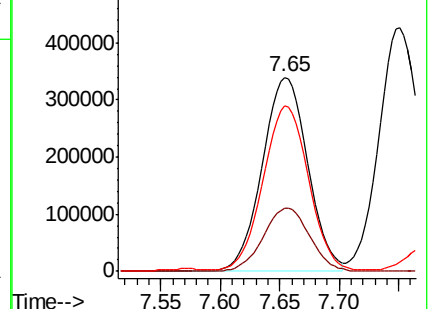
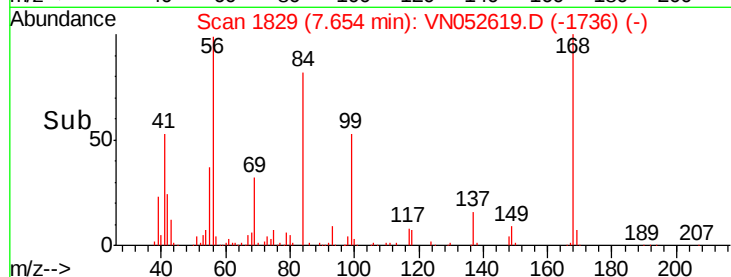
84 84.0 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052619.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052619.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052619.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.022 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

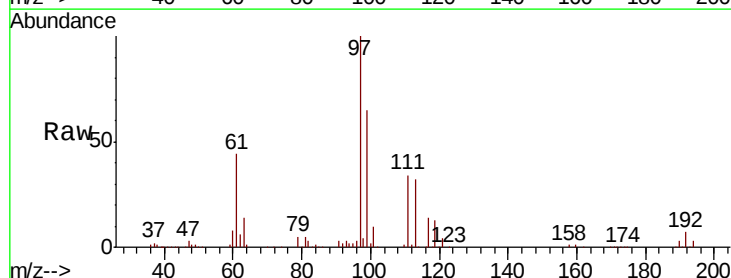
Tgt Ion: 97 Resp: 777322

Ion Ratio Lower Upper

97 100

99 64.3 51.7 77.5

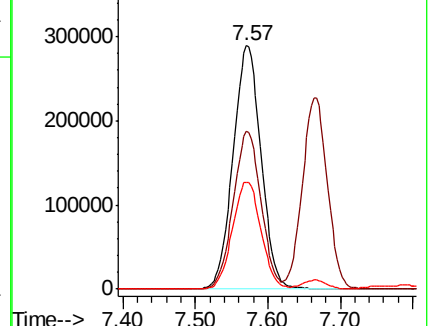
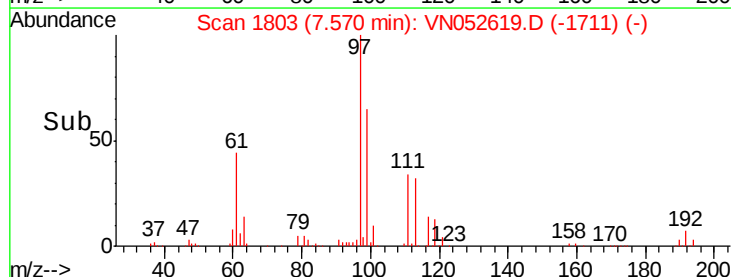
61 44.8 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052619.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052619.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052619.D (-1711) (-)

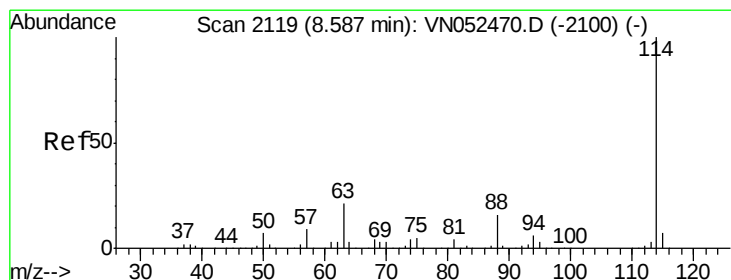
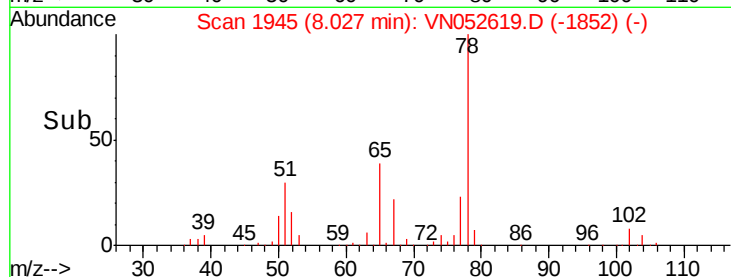
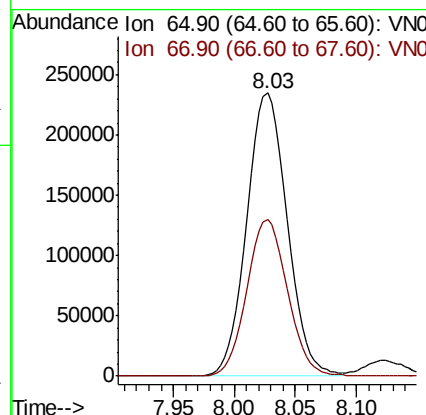
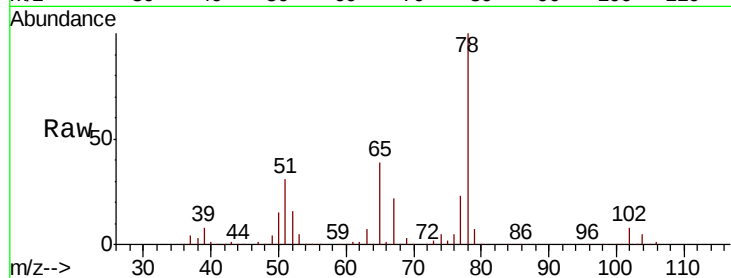




#33
 1,2-Dichloroethane-d4
 Concen: 48.022 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

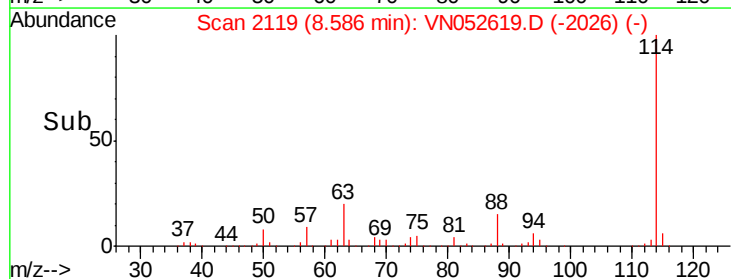
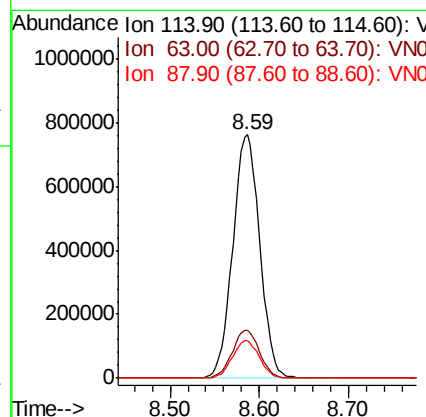
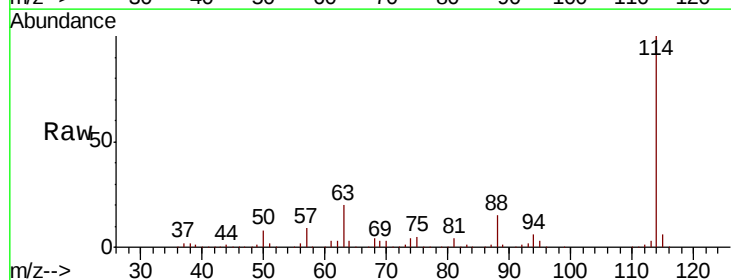
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

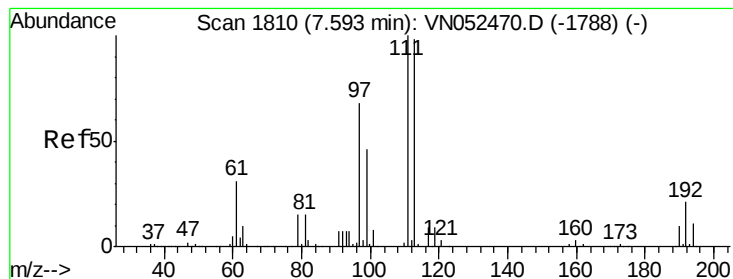
Tot Ion: 65 Resp: 540969
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 114 Resp: 1591618
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.8
 88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

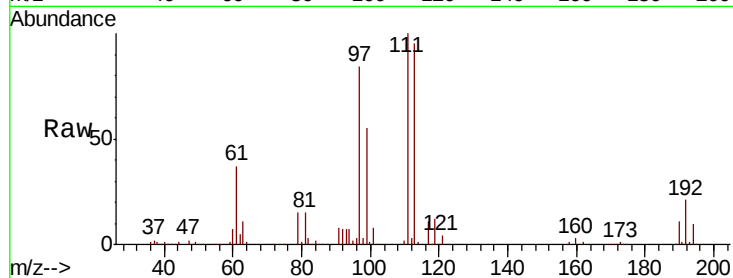
Tot Ion:113 Resp: 491992

Ion Ratio Lower Upper

113 100

111 103.8 82.0 123.0

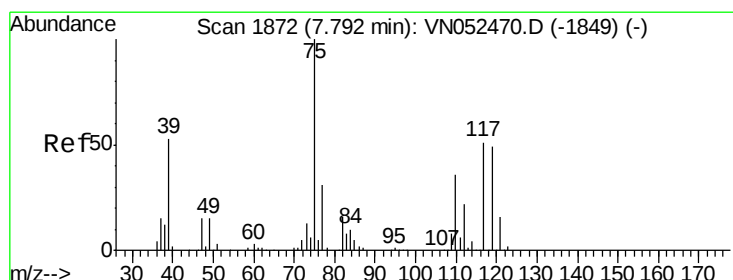
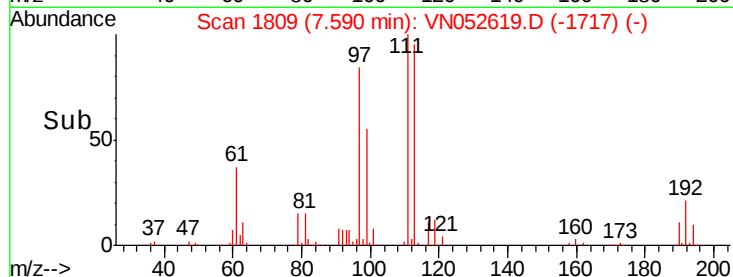
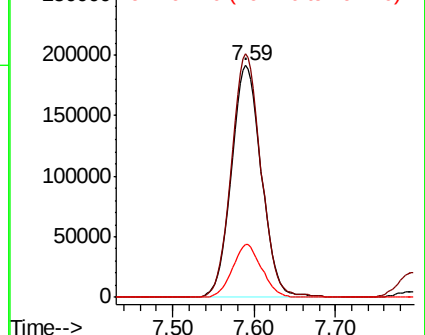
192 22.2 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 49.187 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

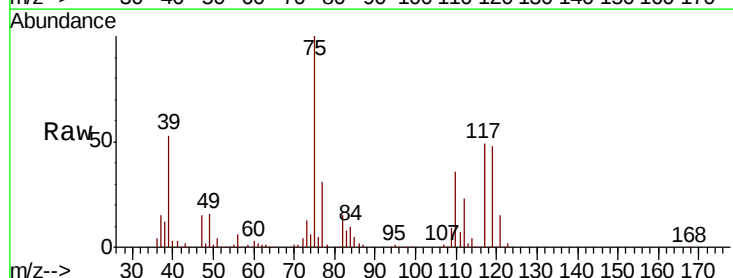
Tgt Ion: 75 Resp: 739282

Ion Ratio Lower Upper

75 100

110 35.4 17.5 52.6

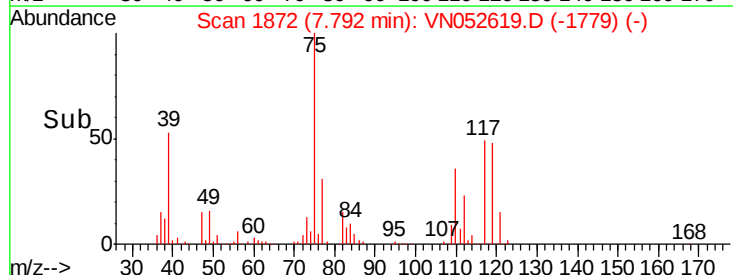
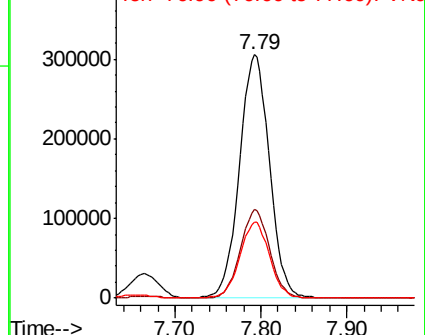
77 31.0 24.5 36.7

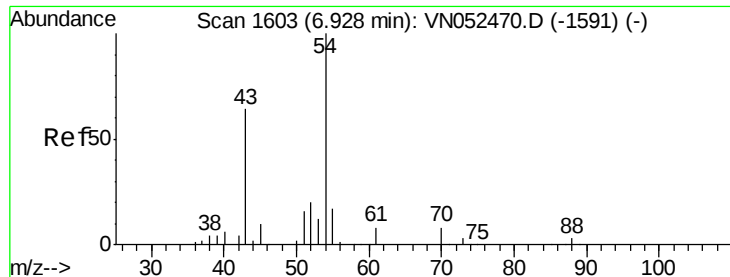


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

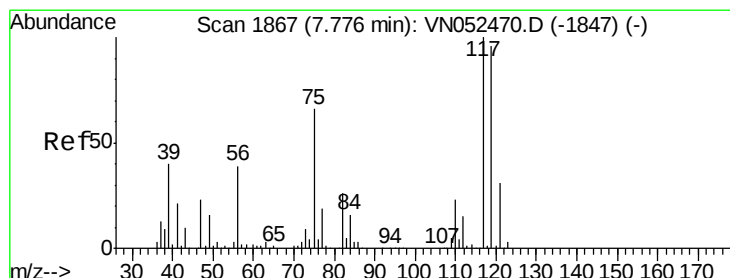
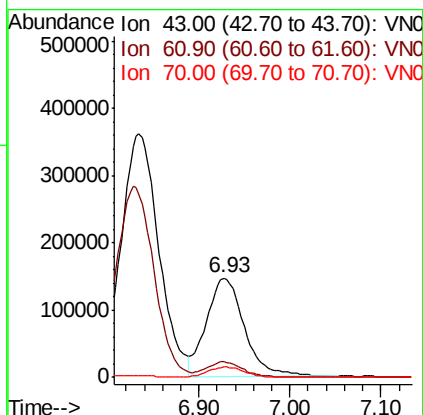
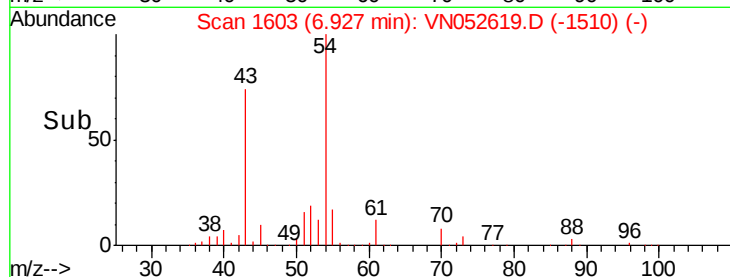
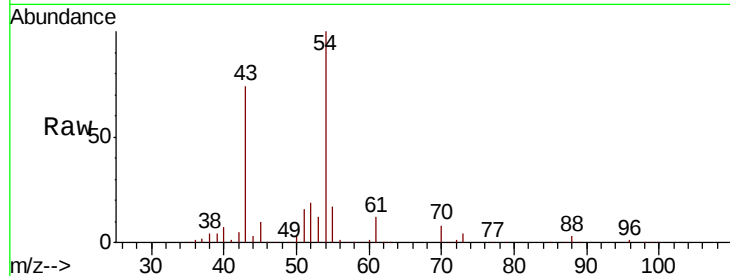




#37
Ethyl Acetate
Concen: 46.223 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

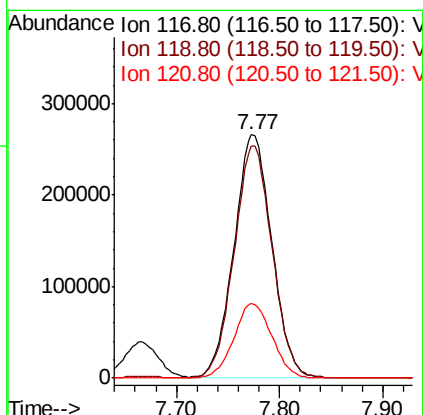
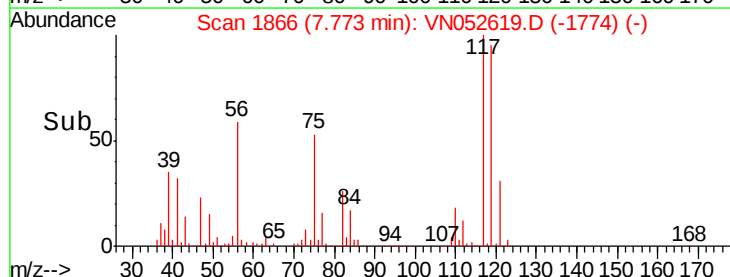
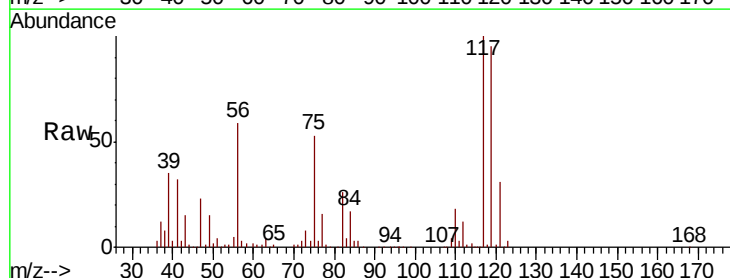
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

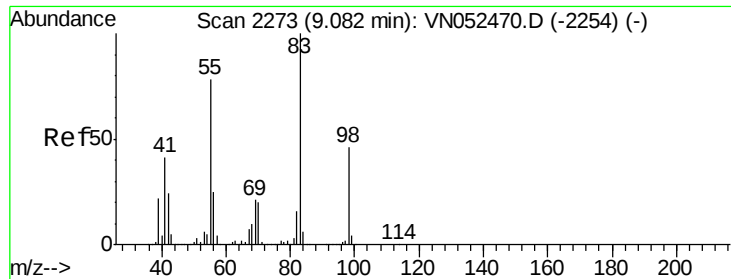
Tot Ion: 43 Resp: 423992
Ion Ratio Lower Upper
43 100
61 14.6 11.8 17.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 49.788 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 117 Resp: 677423
Ion Ratio Lower Upper
117 100
119 95.3 76.8 115.2
121 30.8 24.9 37.3

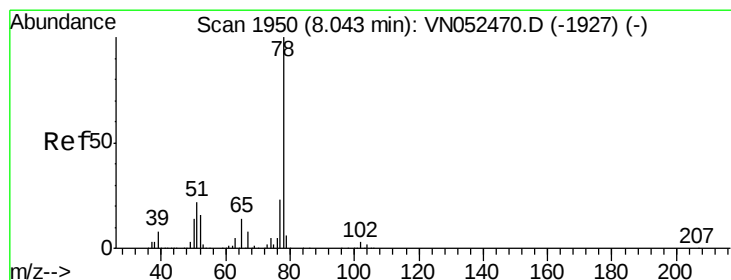
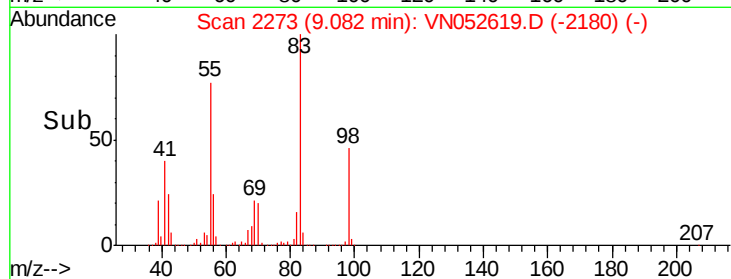
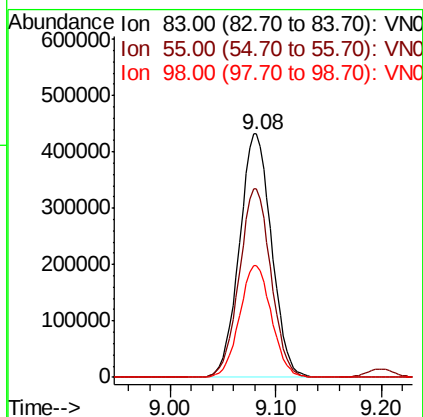
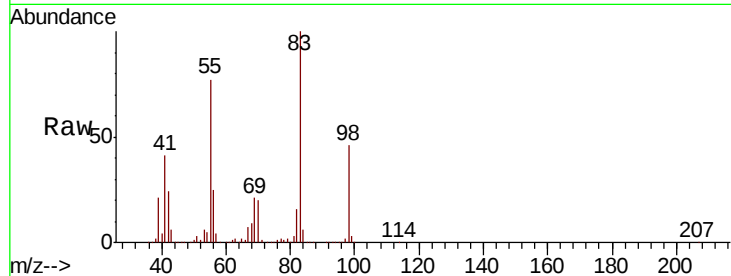




#39
Methvlcvclohexane
Concen: 50.011 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

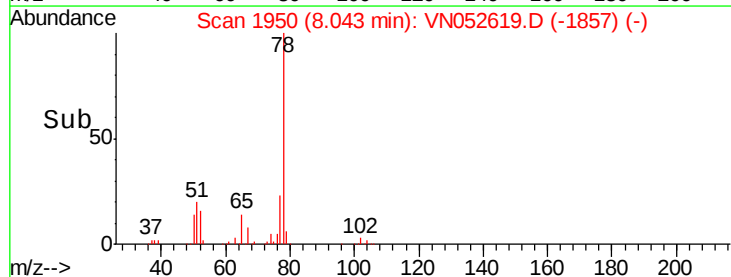
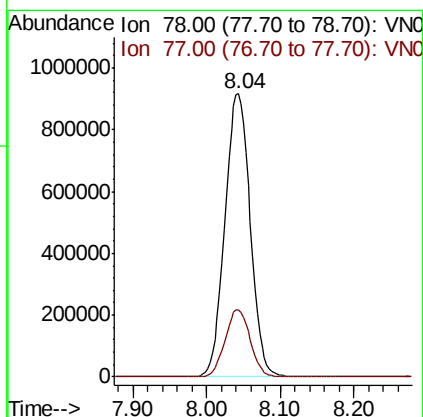
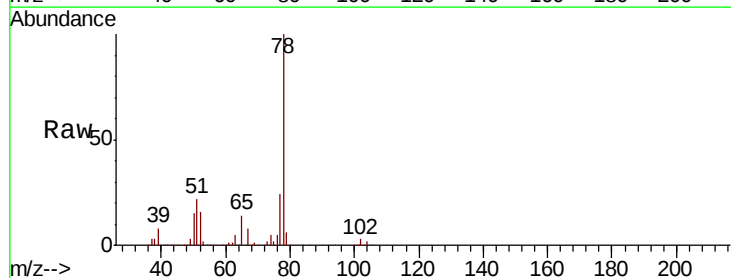
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

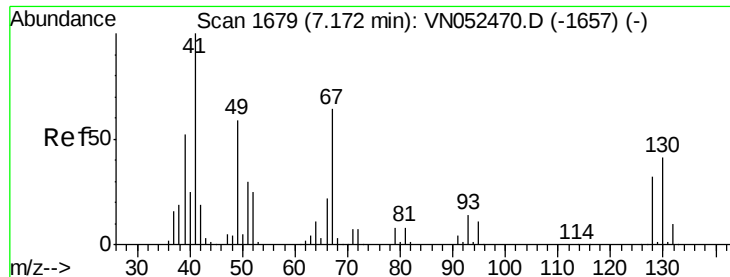
Tot Ion: 83 Resp: 913630
Ion Ratio Lower Upper
83 100
55 77.3 62.2 93.2
98 46.1 36.4 54.6



#40
Benzene
Concen: 48.783 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 78 Resp: 2185106
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

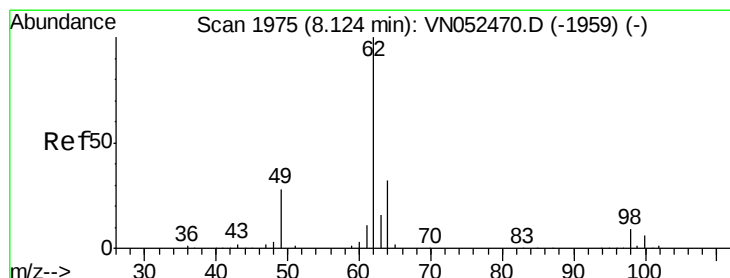
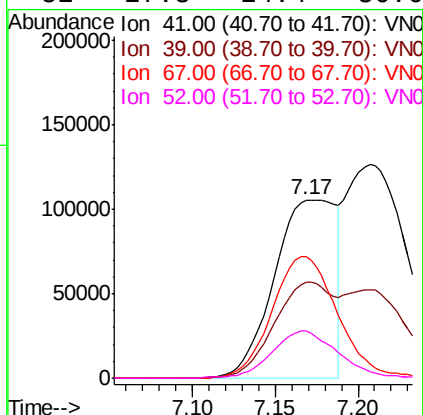
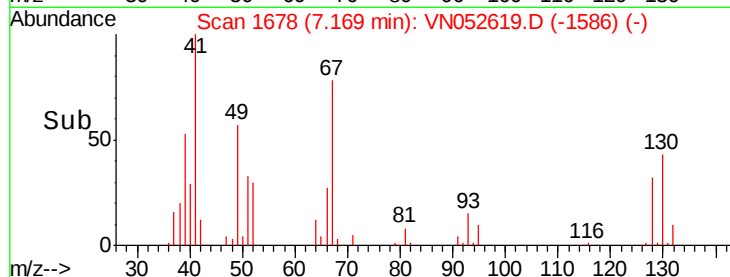
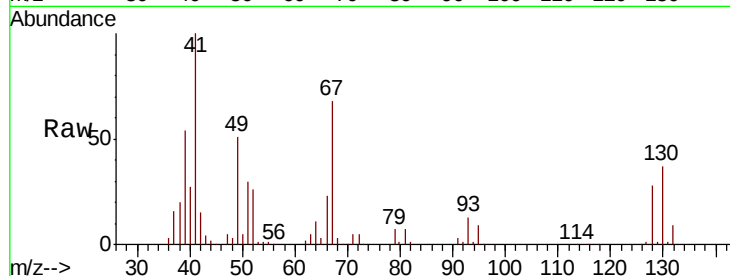




#41
Methacrylonitrile
Concen: 54.340 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

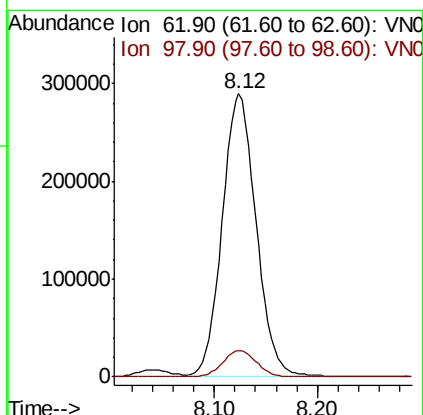
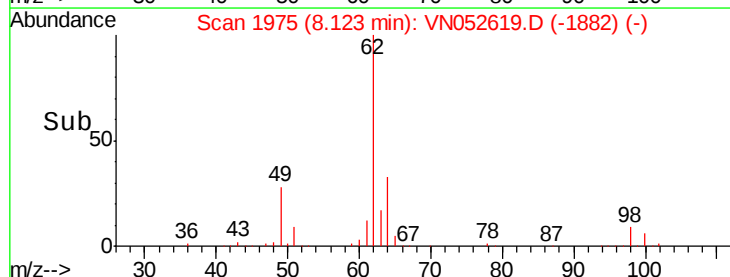
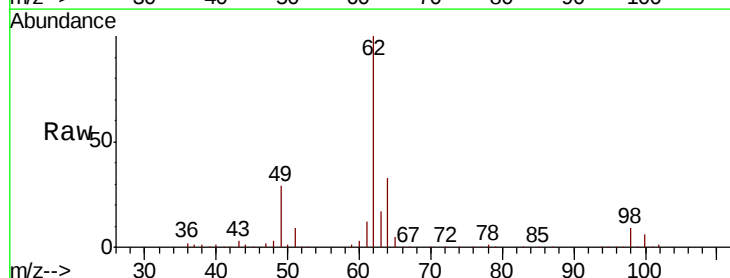
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

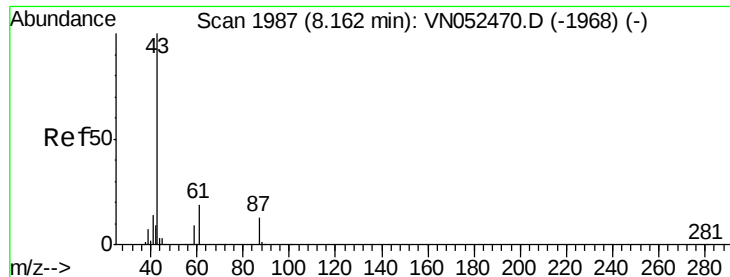
Tot Ion: 41 Resp: 272504
Ion Ratio Lower Upper
41 100
39 51.8 50.9 76.3
67 72.7 63.6 95.4
52 27.8 24.4 36.6



#42
1,2-Dichloroethane
Concen: 48.724 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 62 Resp: 660820
Ion Ratio Lower Upper
62 100
98 9.4 0.0 18.6





#43

Isopropyl Acetate

Concen: 48.699 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

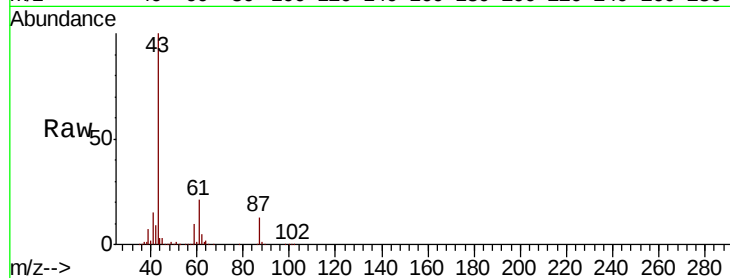
Tot Ion: 43 Resp: 755959

Ion Ratio Lower Upper

43 100

61 29.8 24.1 36.1

87 13.4 10.6 15.8

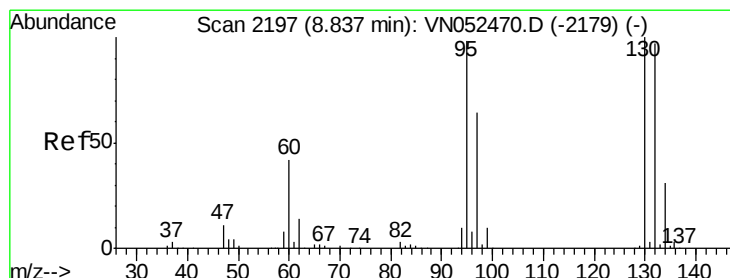
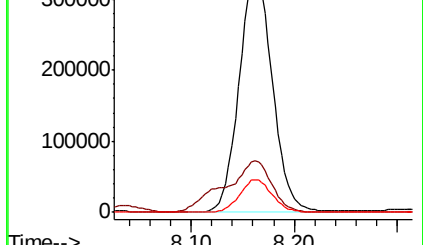
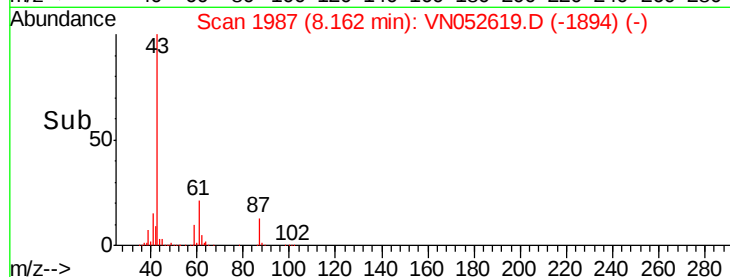


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 50.114 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052619.D

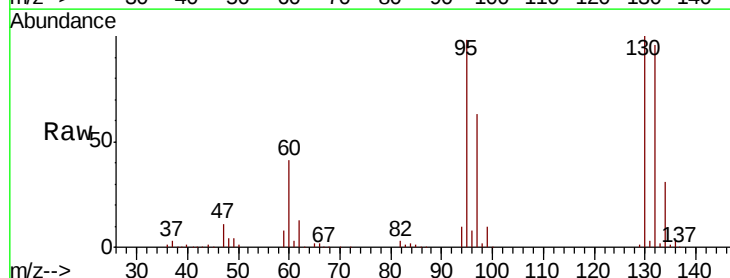
Acq: 3 Dec 2018 9:20

Tgt Ion: 130 Resp: 574983

Ion Ratio Lower Upper

130 100

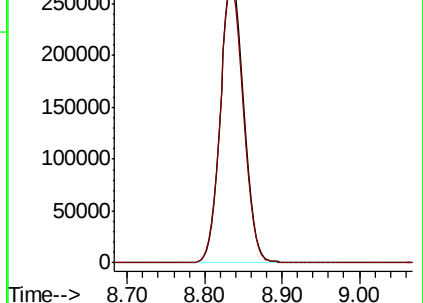
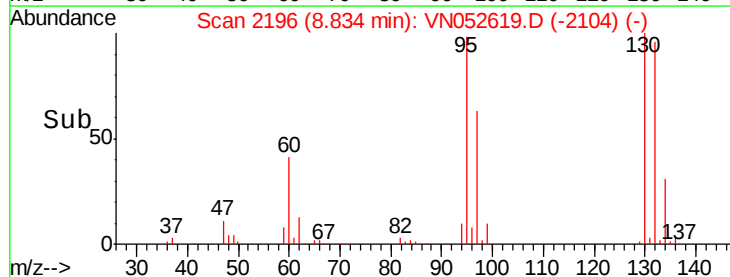
95 98.1 0.0 195.6

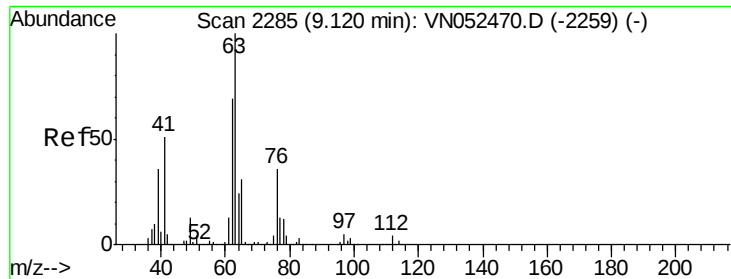


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

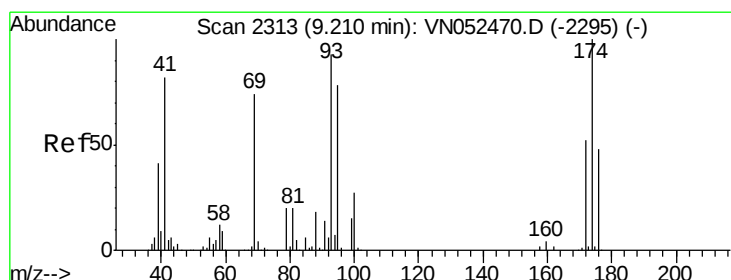
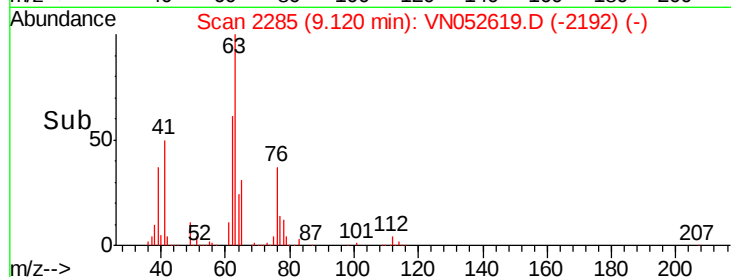
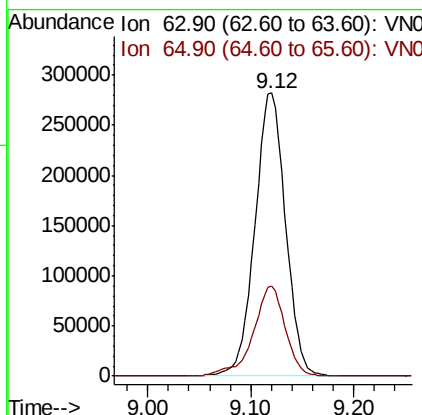
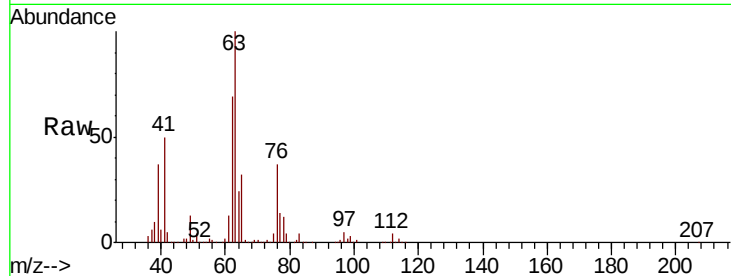




#45
 1,2-Dichloropropane
 Concen: 48.728 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

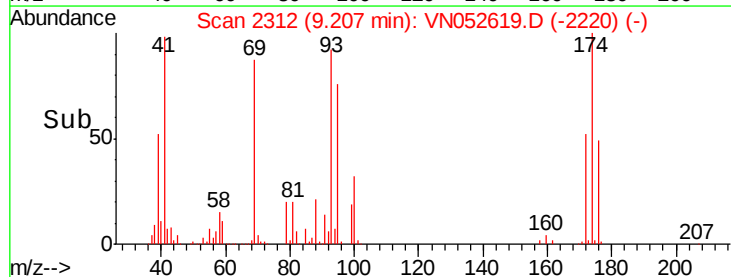
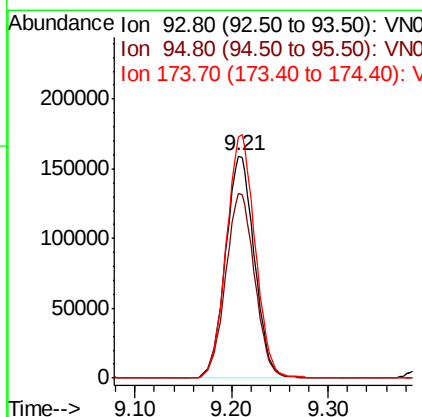
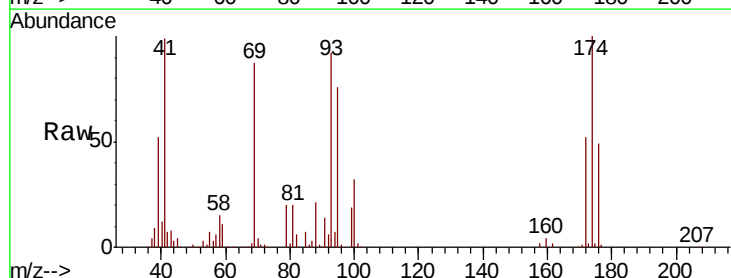
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

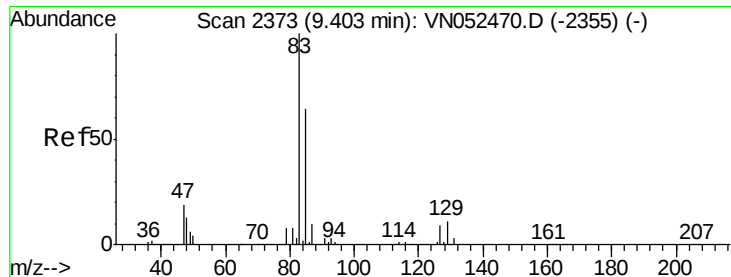
Tot Ion: 63 Resp: 580281
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6



#46
 Dibromomethane
 Concen: 49.982 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 93 Resp: 329506
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.1 100.7
 174 109.2 85.8 128.8

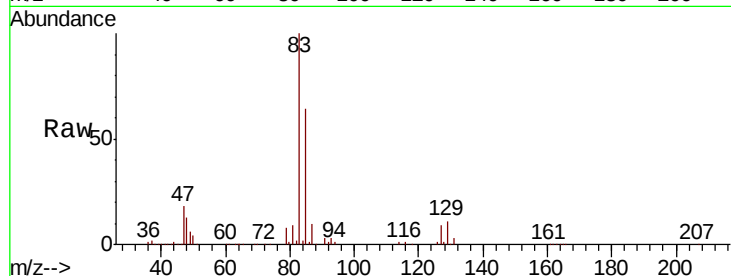




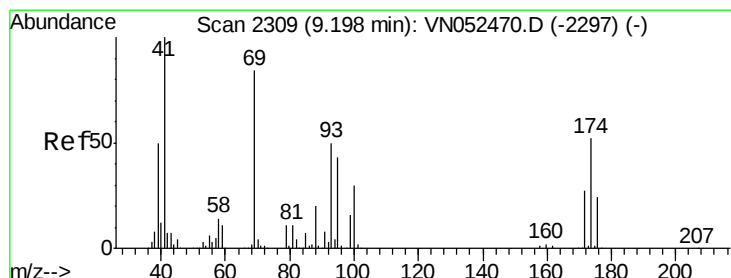
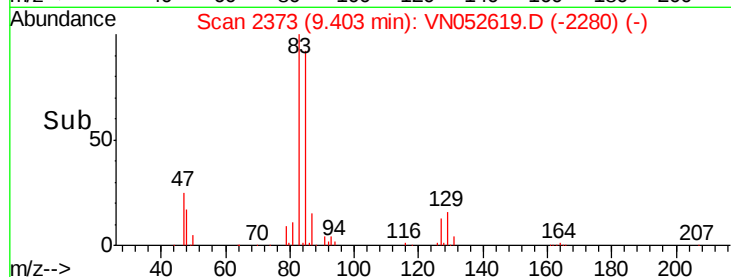
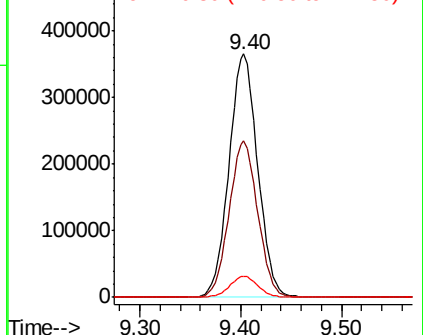
#47
Bromodichloromethane
Concen: 50.432 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 722846
Ion Ratio Lower Upper
83 100
85 64.2 51.3 76.9
127 8.8 6.9 10.3

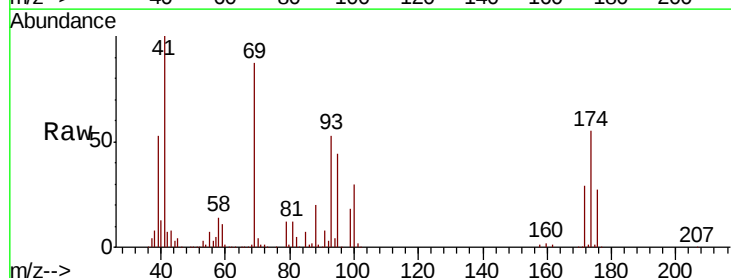


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

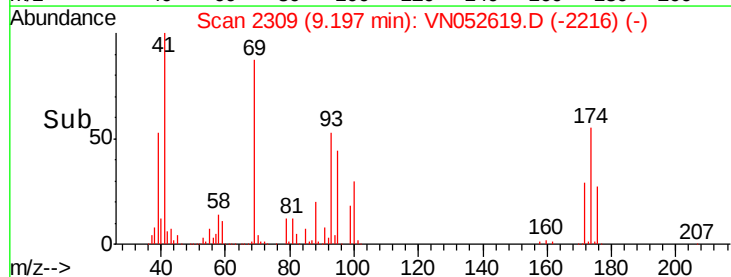
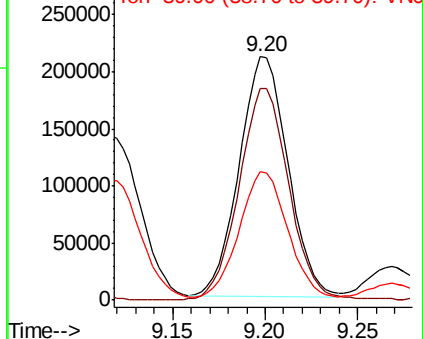


#48
Methyl methacrylate
Concen: 47.216 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 41 Resp: 382175
Ion Ratio Lower Upper
41 100
69 90.8 70.0 105.0
39 53.9 42.6 64.0



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

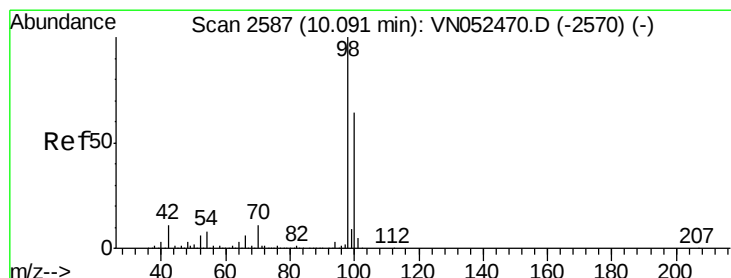
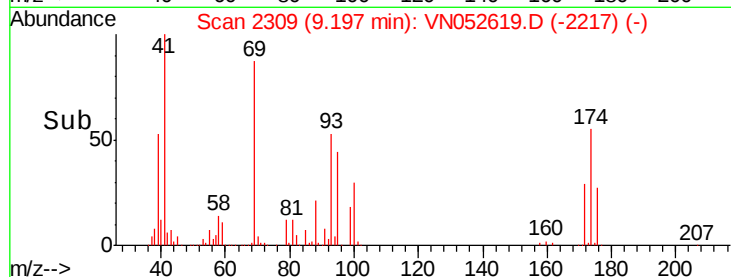
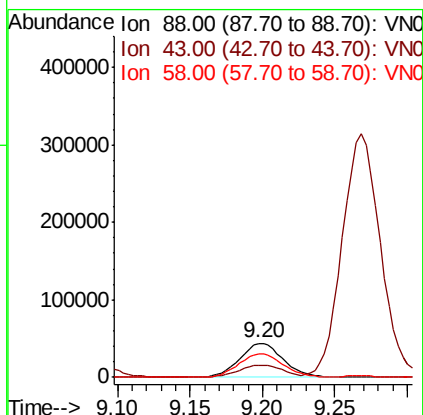
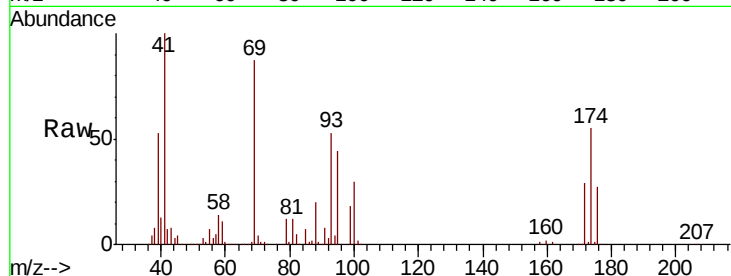




#49
1,4-Dioxane
Concen: 1093.119 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

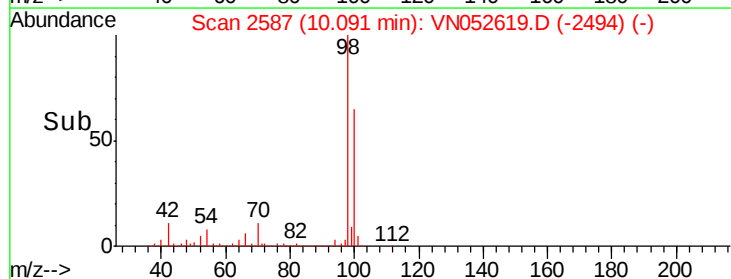
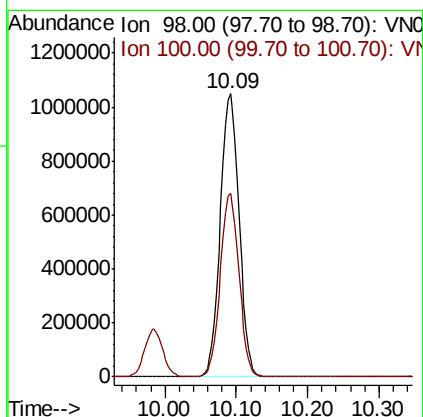
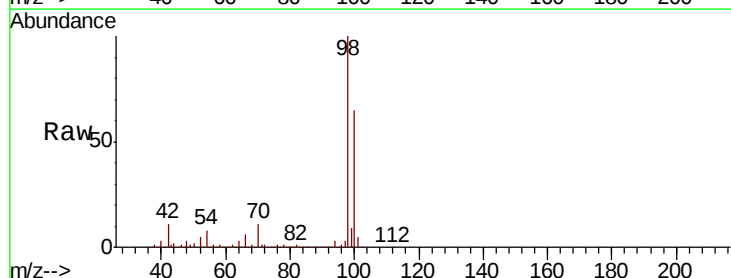
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

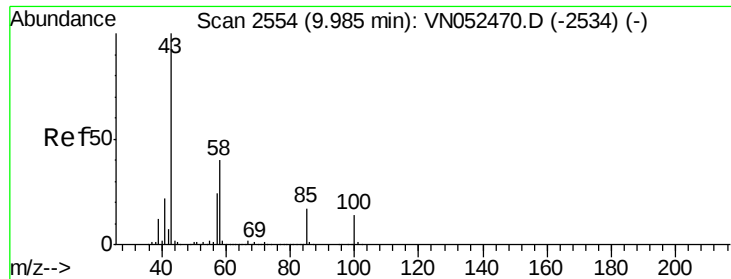
Tot Ion: 88 Resp: 91826
Ion Ratio Lower Upper
88 100
43 35.0 26.4 39.6
58 71.3 55.4 83.0



#50
Toluene-d8
Concen: 1093.119 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 98 Resp: 1920048
Ion Ratio Lower Upper
98 100
100 64.6 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 246.522 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

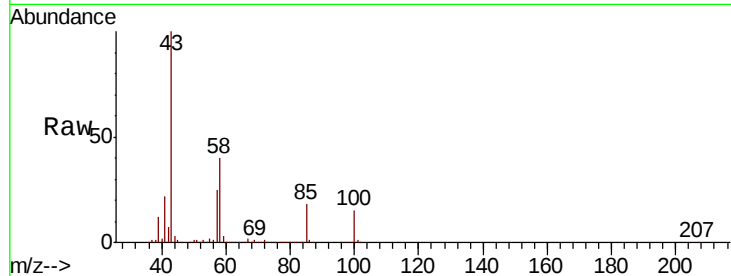
VSTDCCC050

Tot Ion: 43 Resp: 2147092

Ion Ratio Lower Upper

43 100

58 40.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

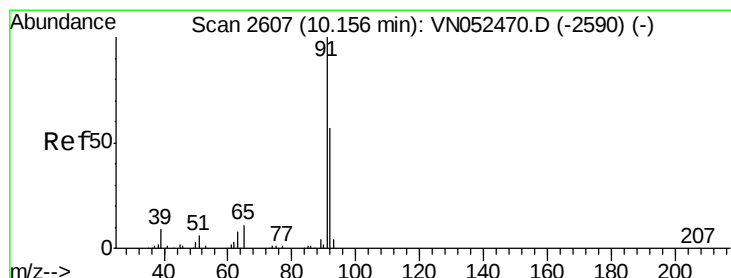
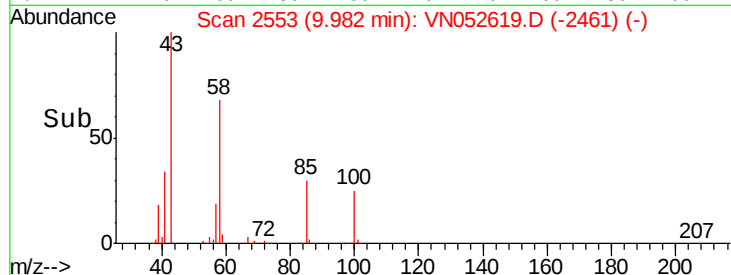
9.98

1000000

500000

0

Time-->



#52

Toluene

Concen: 50.670 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052619.D

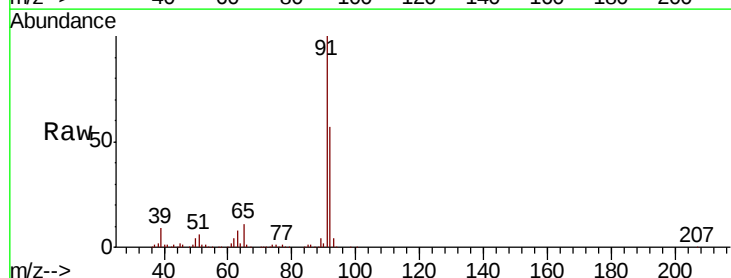
Acq: 3 Dec 2018 9:20

Tgt Ion: 92 Resp: 1348490

Ion Ratio Lower Upper

92 100

91 175.8 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

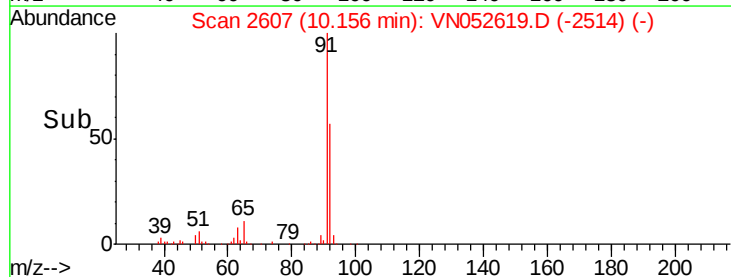
1500000

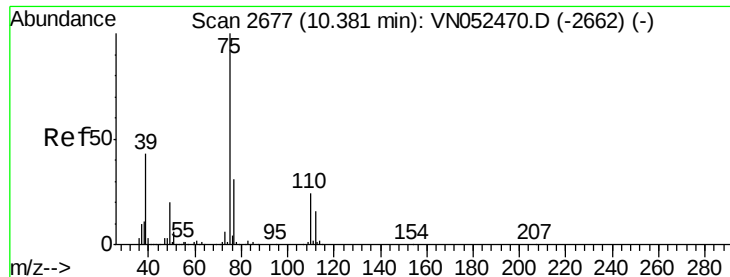
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.477 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

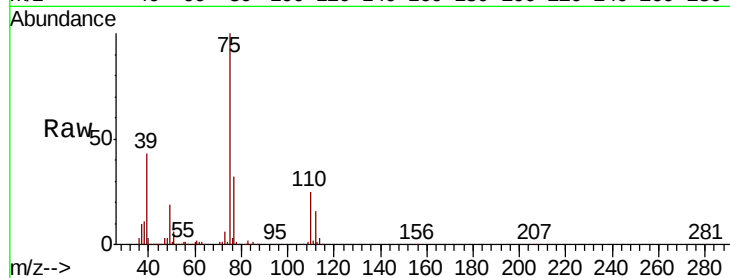
VSTDCCC050

Tot Ion: 75 Resp: 723599

Ion Ratio Lower Upper

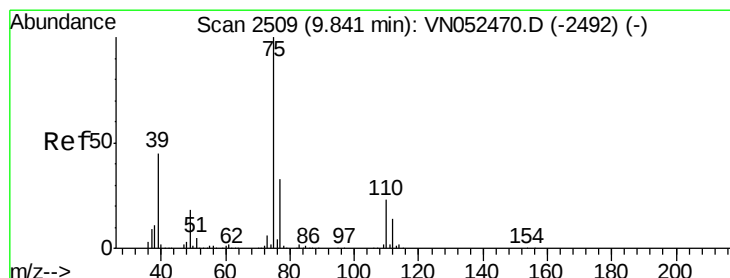
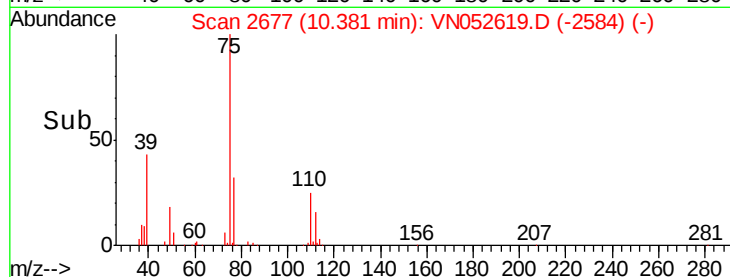
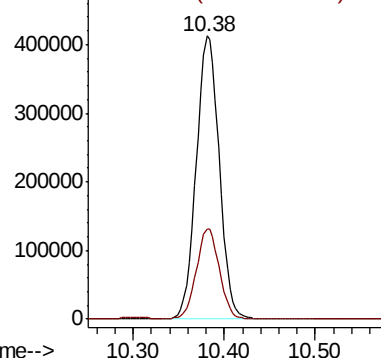
75 100

77 31.9 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 52.100 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

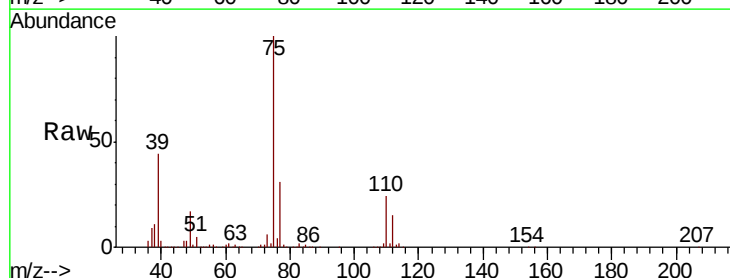
Tgt Ion: 75 Resp: 860901

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

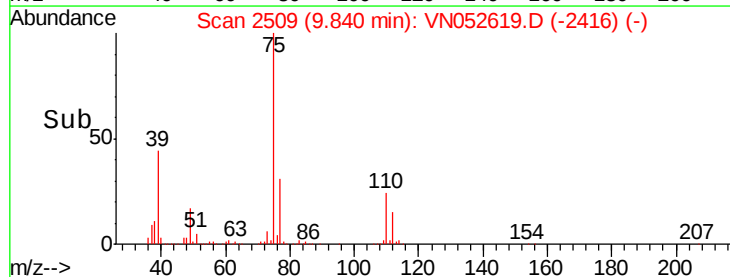
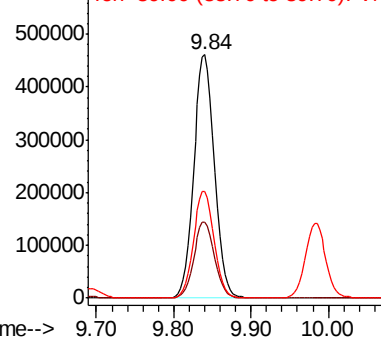
39 43.9 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

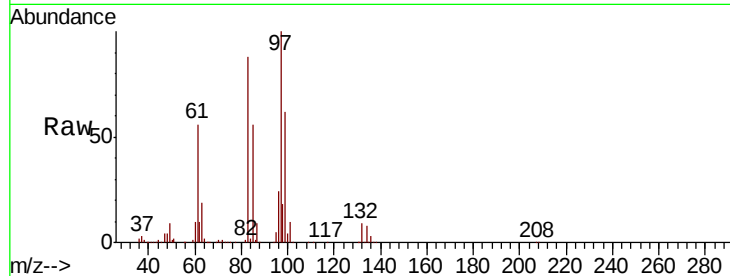




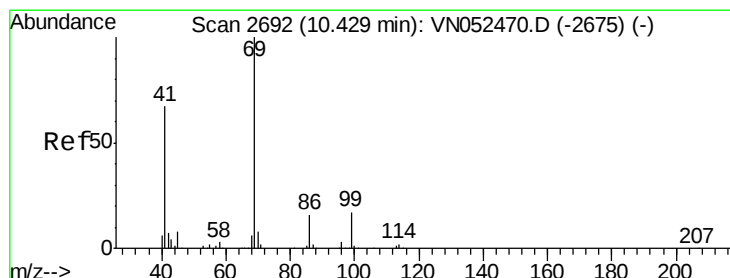
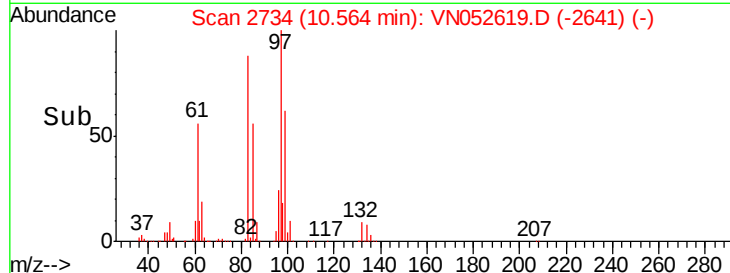
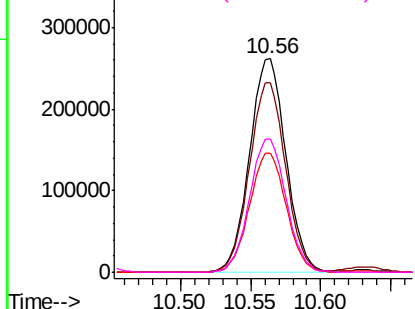
#55
 1,1,2-Trichloroethane
 Concen: 50.617 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 473840
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.7 106.1
 85 56.0 46.1 69.1
 99 62.1 50.8 76.2

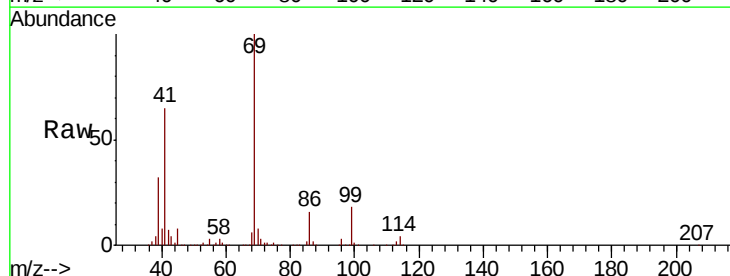


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

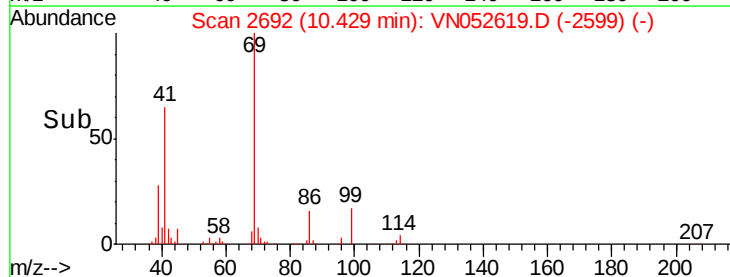
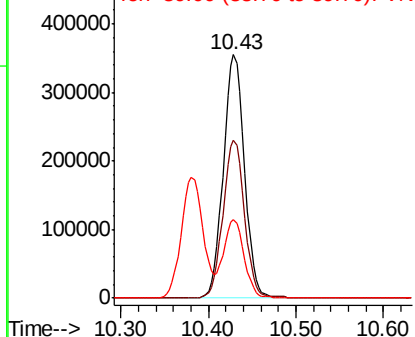


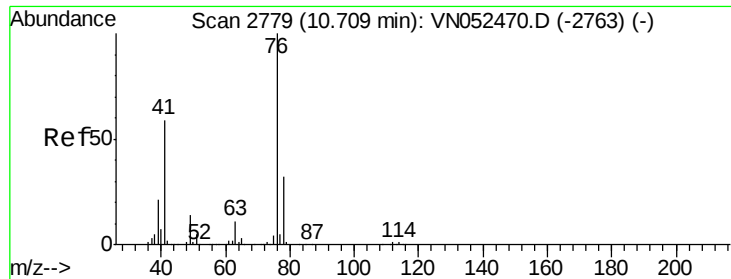
#56
 Ethyl methacrylate
 Concen: 46.146 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 69 Resp: 597004
 Ion Ratio Lower Upper
 69 100
 41 64.8 52.6 79.0
 39 31.8 25.9 38.9



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

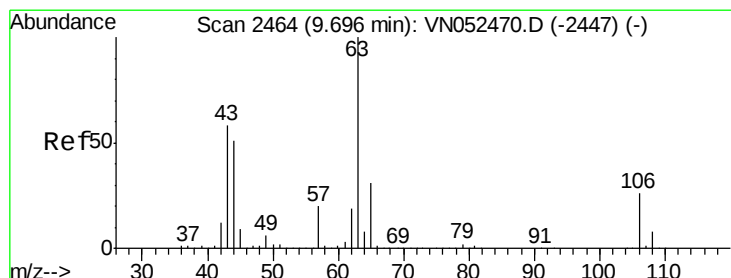
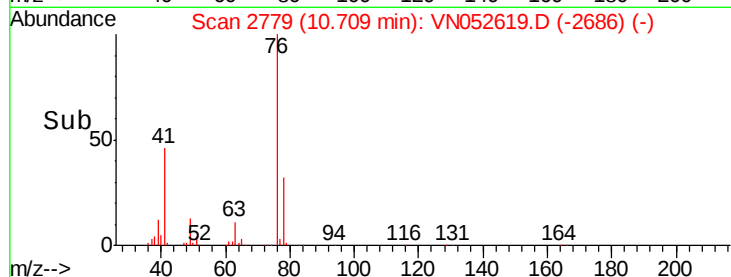
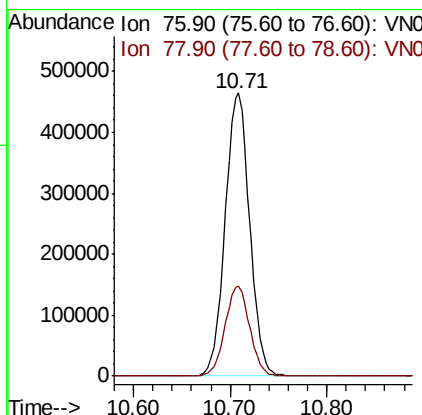
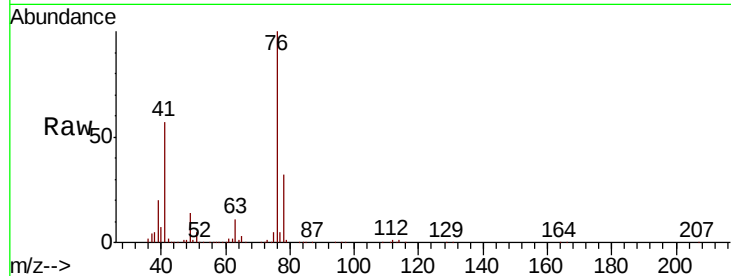




#57
 1,3-Dichloropropane
 Concen: 49.316 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

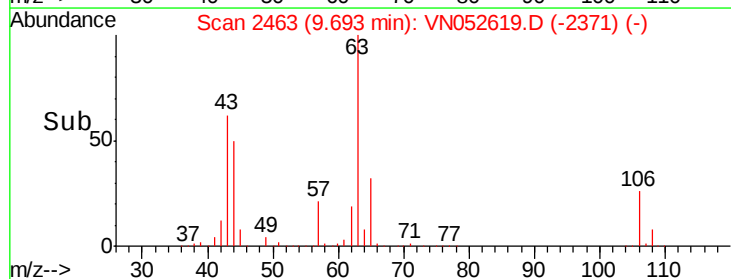
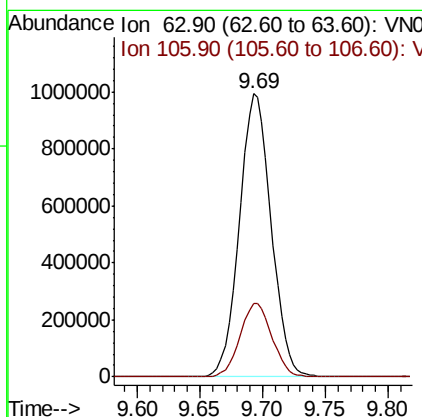
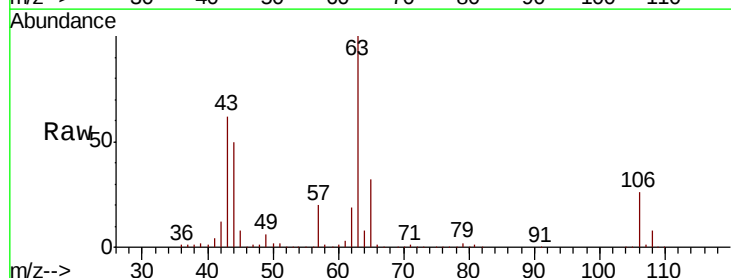
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

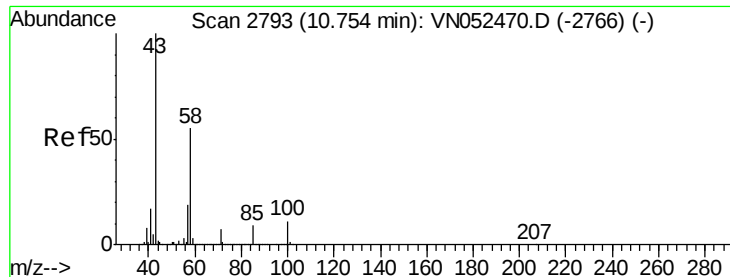
Tot Ion: 76 Resp: 815165
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 257.003 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 63 Resp: 1745766
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8

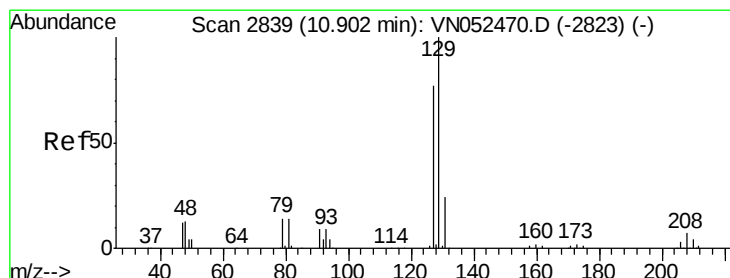
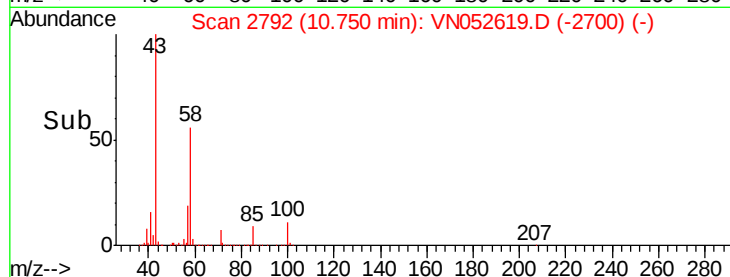
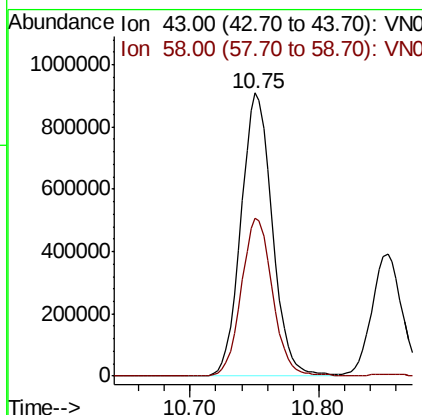
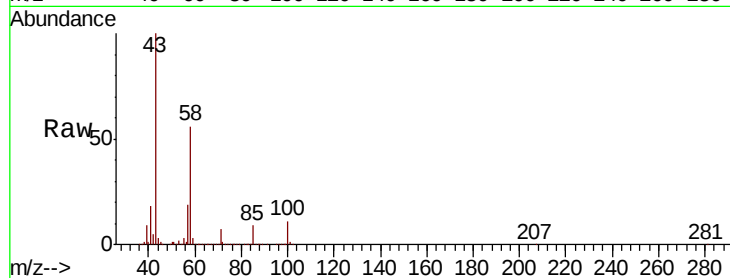




#59
2-Hexanone
Concen: 262.239 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

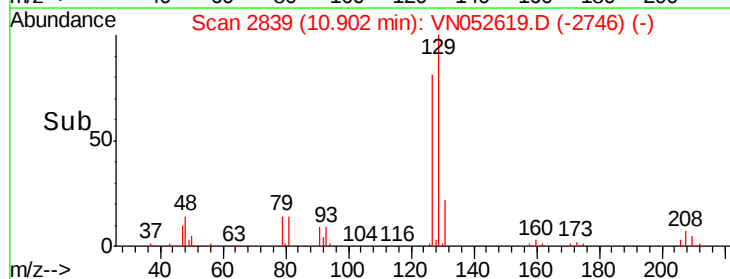
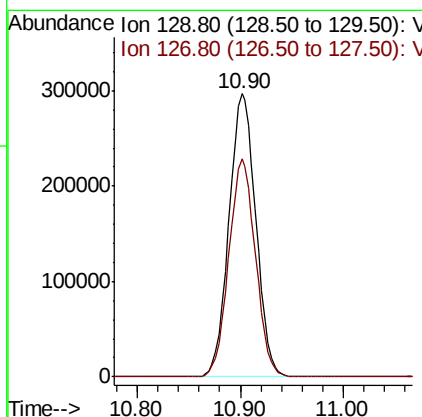
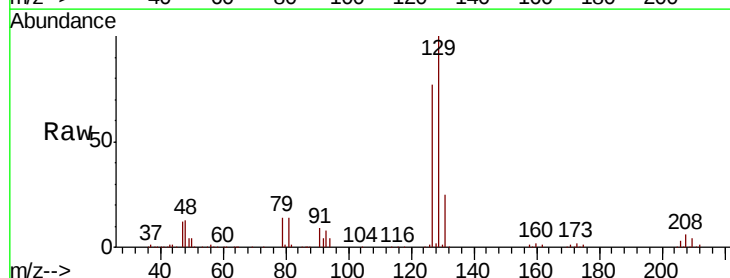
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

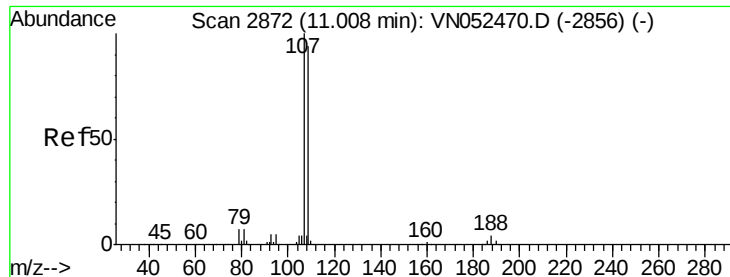
Tot Ion: 43 Resp: 1532900
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0



#60
Dibromochloromethane
Concen: 52.926 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 129 Resp: 538116
Ion Ratio Lower Upper
129 100
127 76.5 38.9 116.6

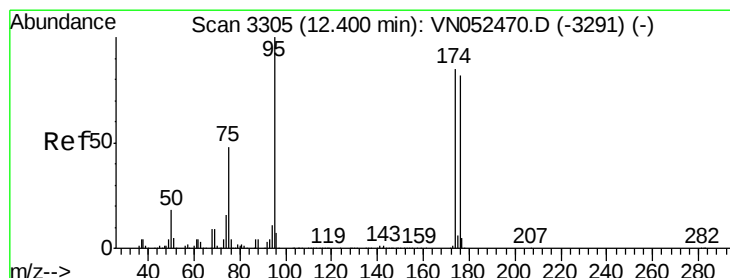
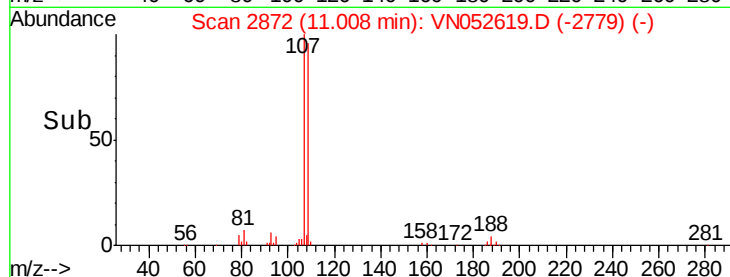
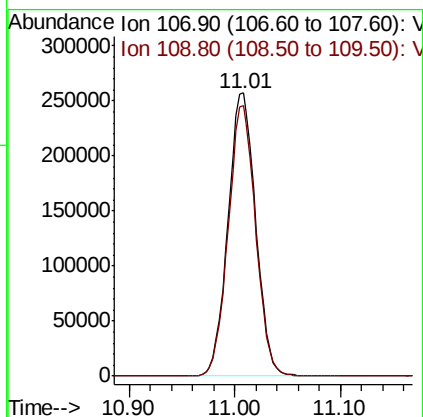
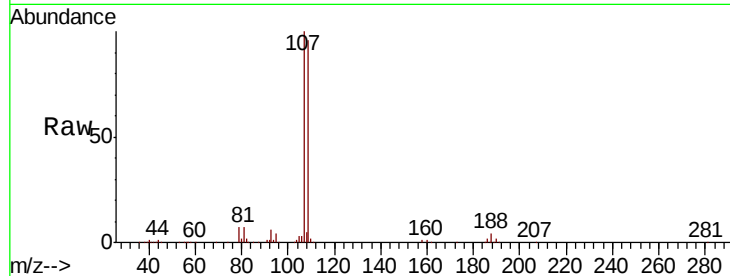




#61
1,2-Dibromoethane
Concen: 50.125 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

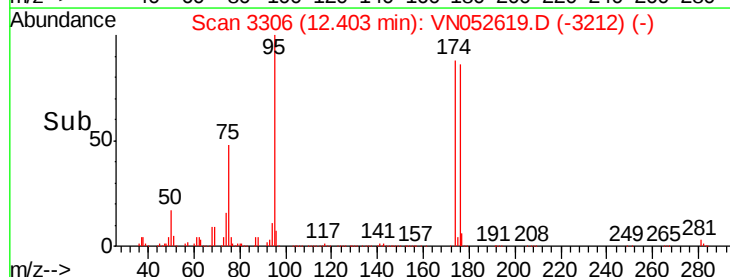
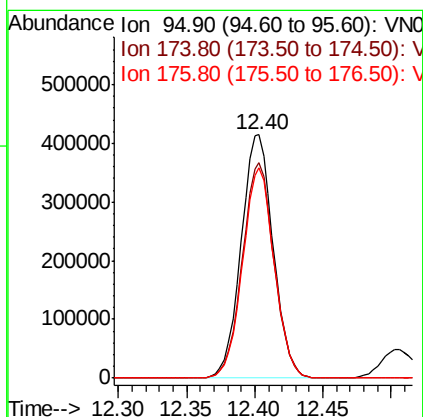
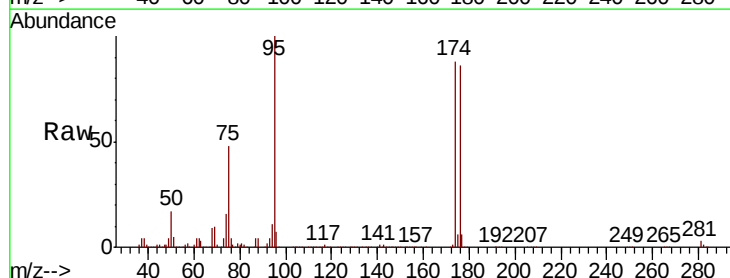
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

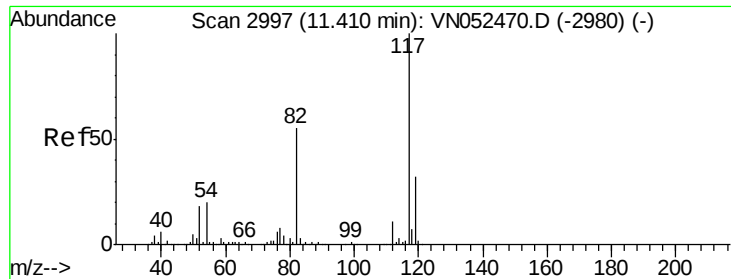
Tot Ion:107 Resp: 466048
Ion Ratio Lower Upper
107 100
109 94.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 50.125 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 95 Resp: 674370
Ion Ratio Lower Upper
95 100
174 87.4 0.0 173.0
176 85.4 0.0 166.2

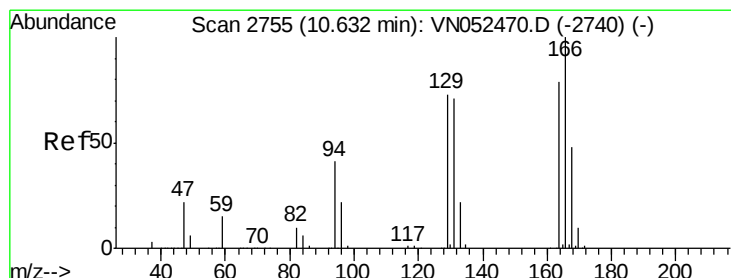
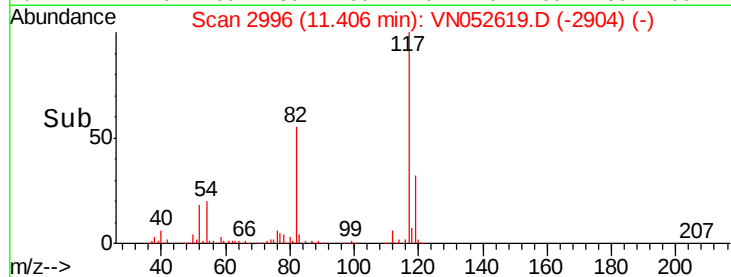
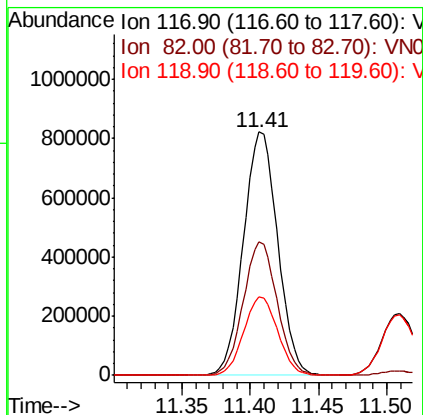
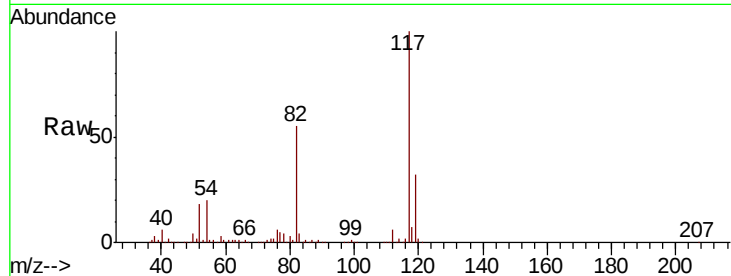




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

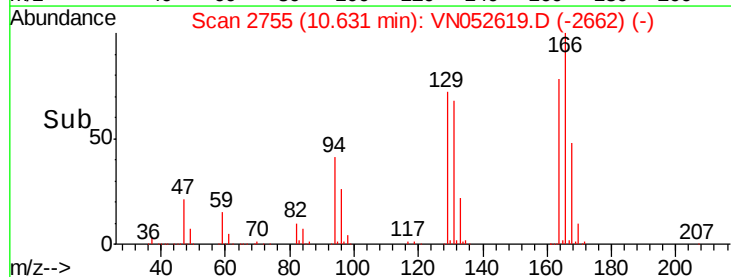
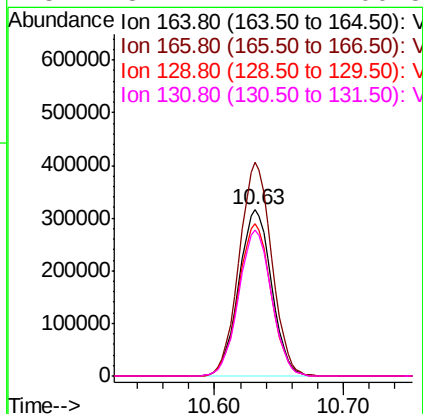
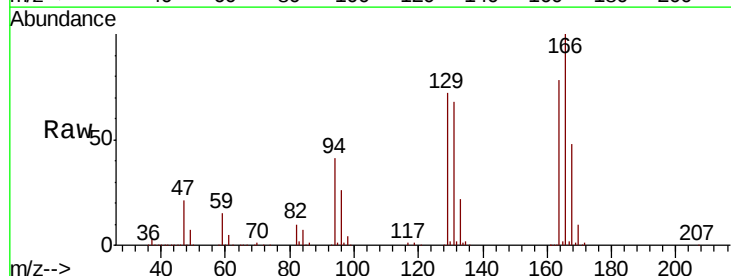
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

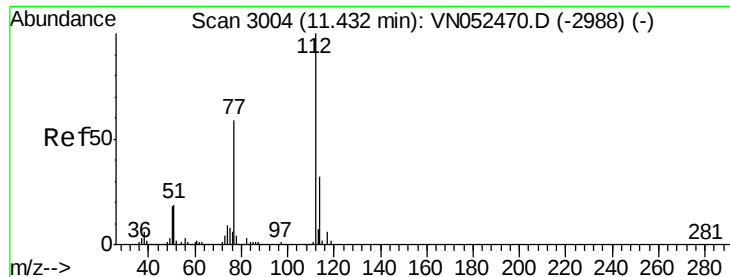
Tot Ion:117 Resp: 1432745
Ion Ratio Lower Upper
117 100
82 54.9 43.6 65.4
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 50.217 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion:164 Resp: 557833
Ion Ratio Lower Upper
164 100
166 128.4 101.0 151.4
129 91.9 73.8 110.6
131 87.7 71.2 106.8

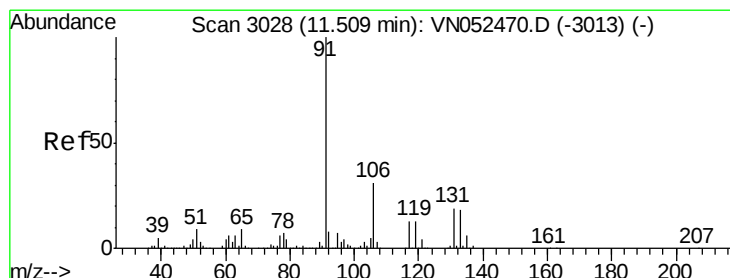
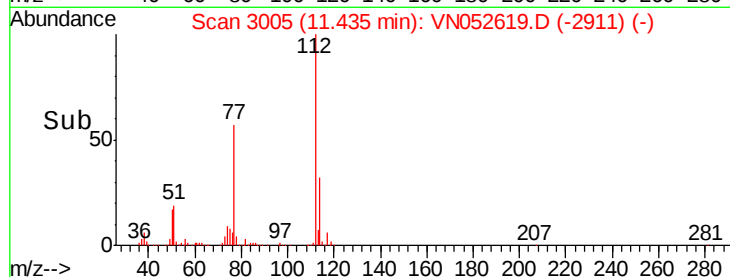
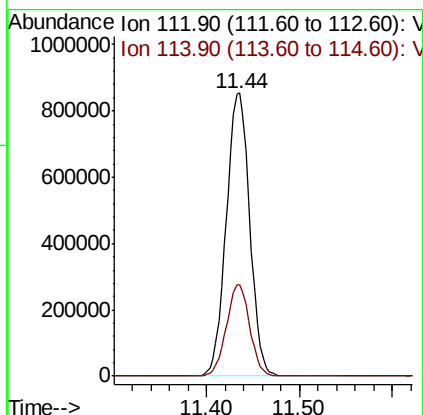
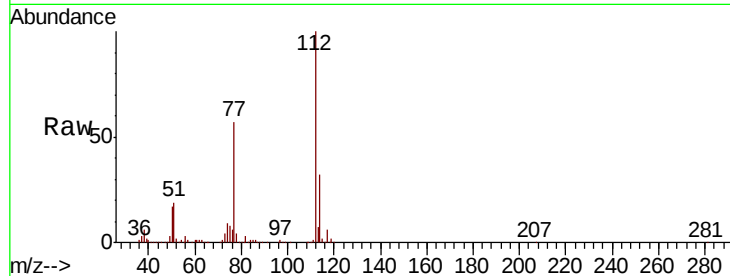




#65
Chlorobenzene
Concen: 50.553 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

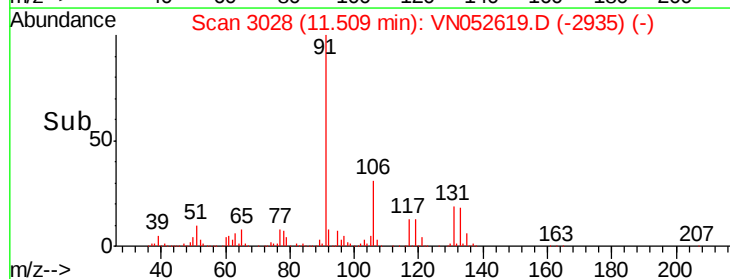
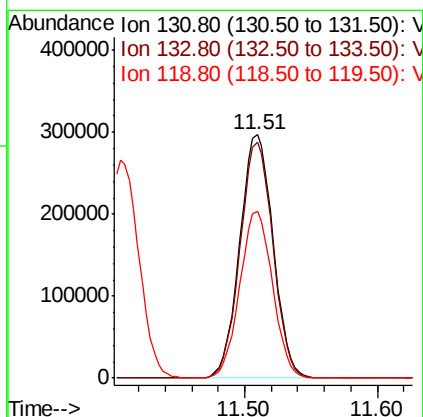
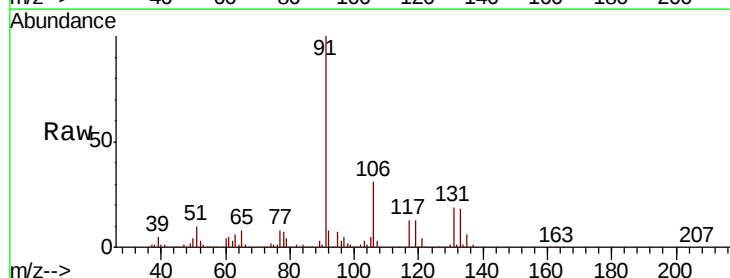
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

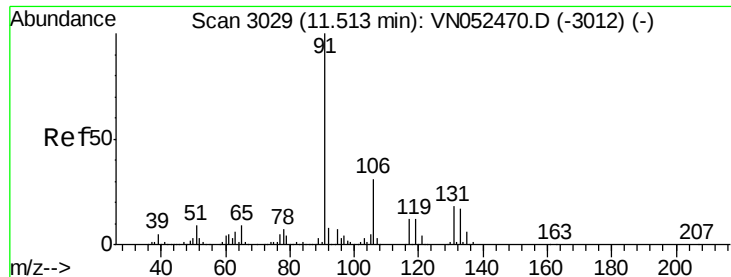
Tot Ion:112 Resp: 1493487
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 50.580 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion:131 Resp: 519572
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 67.4 33.2 99.6

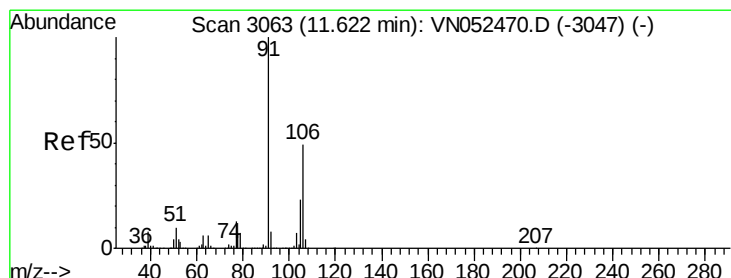
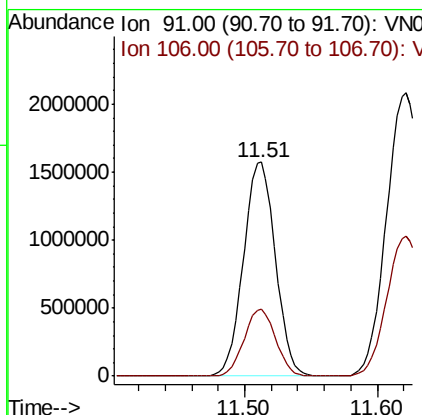
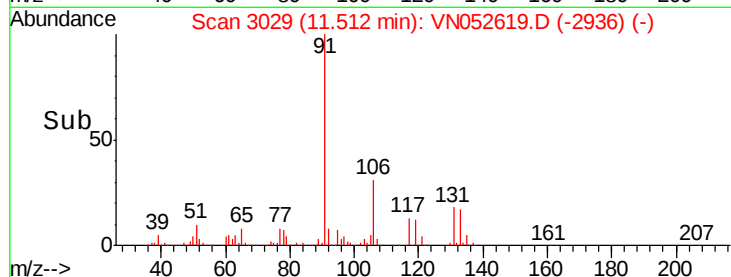
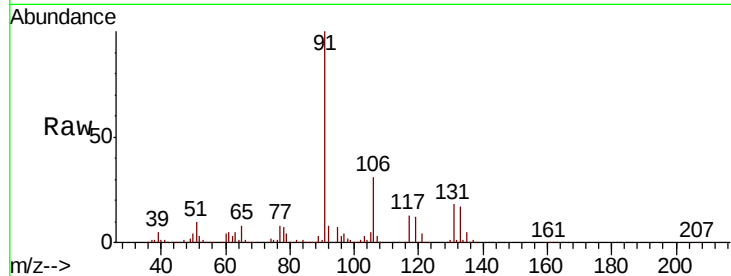




#67
Ethyl Benzene
Concen: 50.863 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

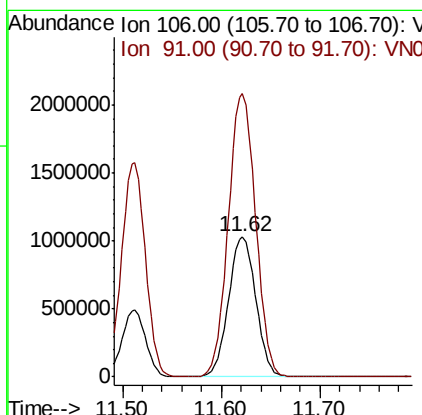
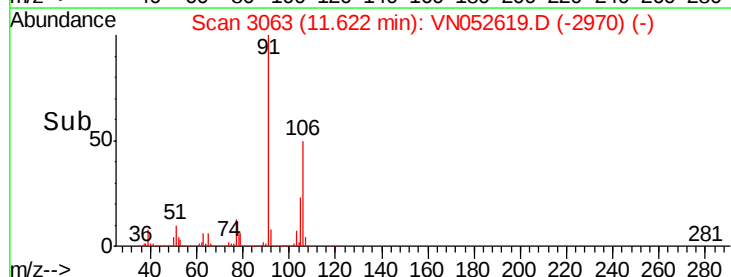
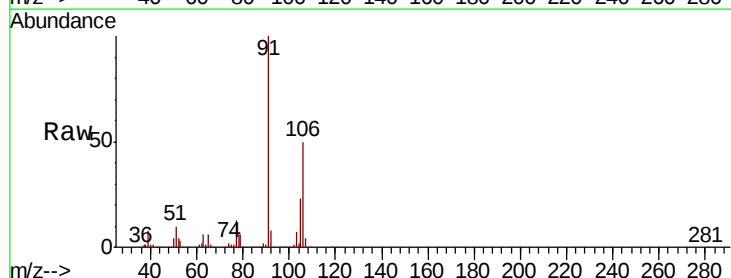
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

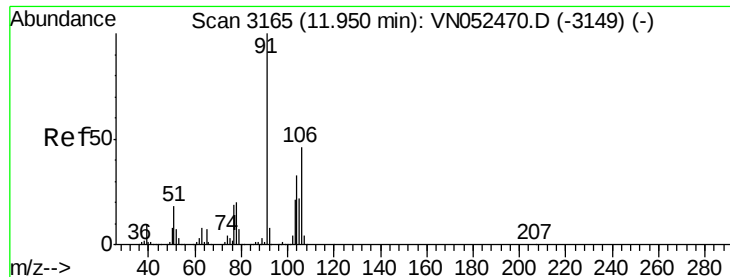
Tot Ion: 91 Resp: 2631413
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 103.198 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion: 106 Resp: 1987569
Ion Ratio Lower Upper
106 100
91 202.9 163.2 244.8

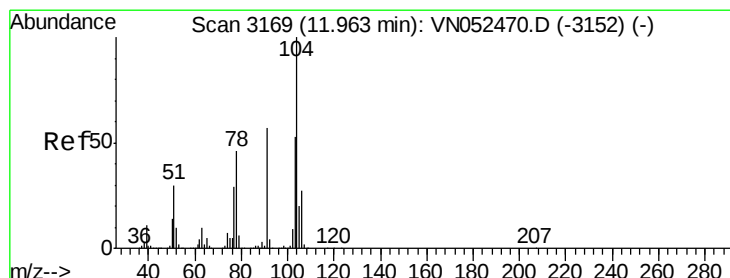
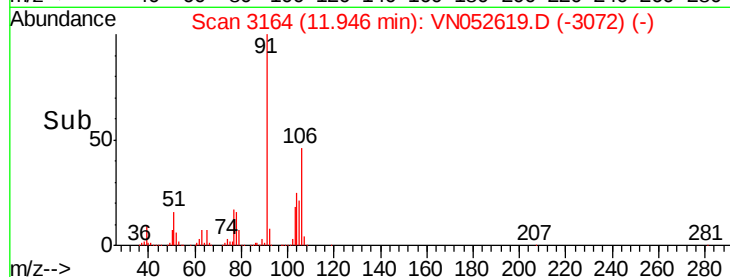
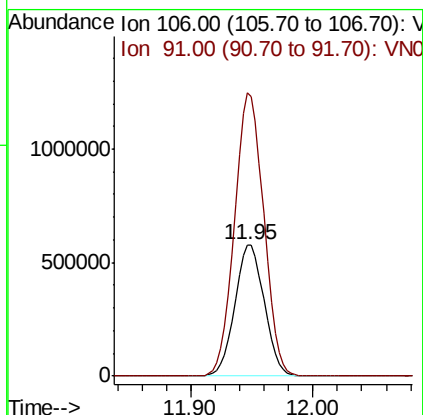
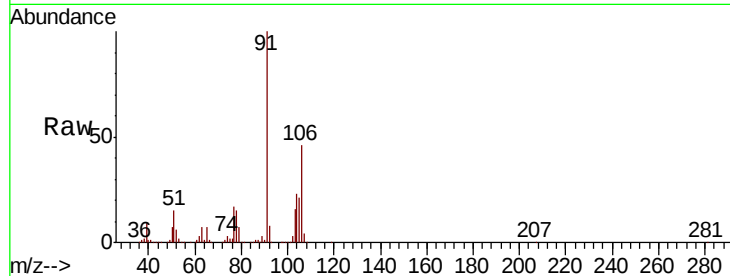




#69
o-Xylene
Concen: 51.457 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

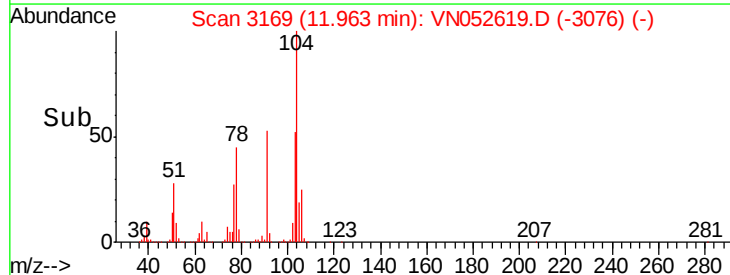
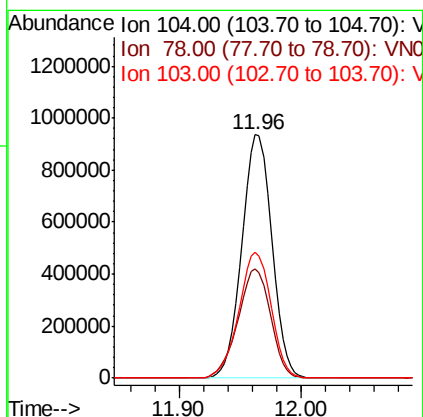
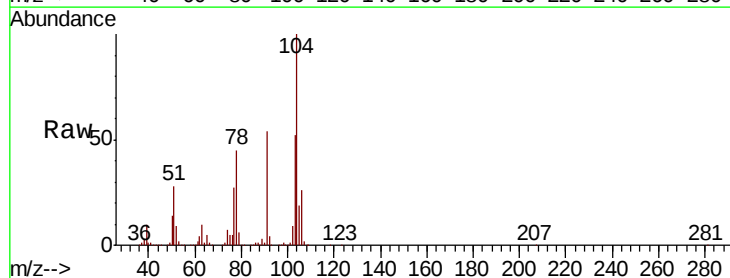
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

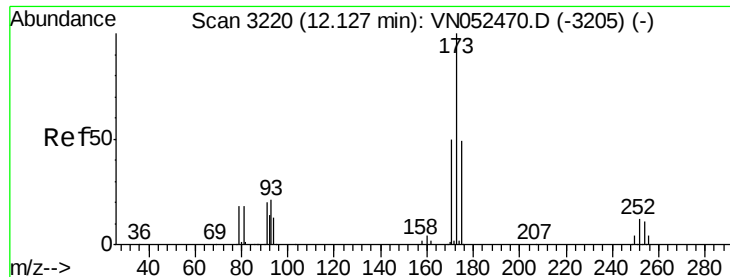
Tot Ion:106 Resp: 962392
Ion Ratio Lower Upper
106 100
91 215.0 107.7 323.1



#70
Styrene
Concen: 53.318 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052619.D
Acq: 3 Dec 2018 9:20

Tgt Ion:104 Resp: 1588304
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.2
103 55.7 44.9 67.3





#71

Bromoform

Concen: 53.789 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

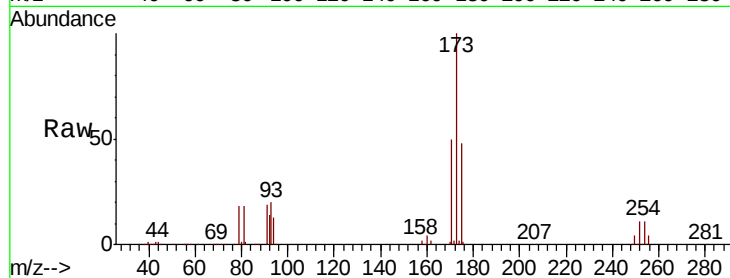
Tot Ion:173 Resp: 365849

Ion Ratio Lower Upper

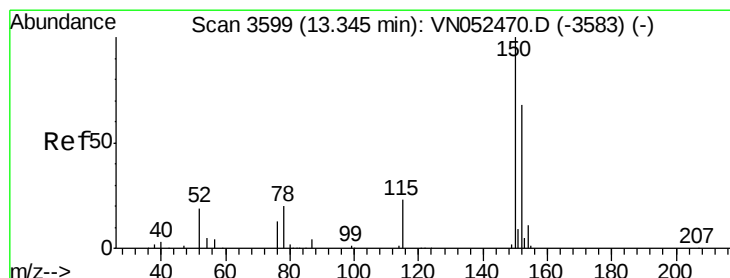
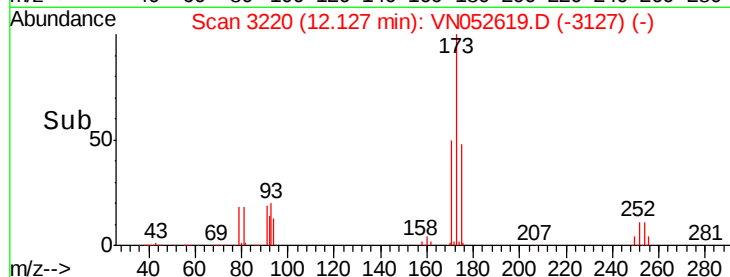
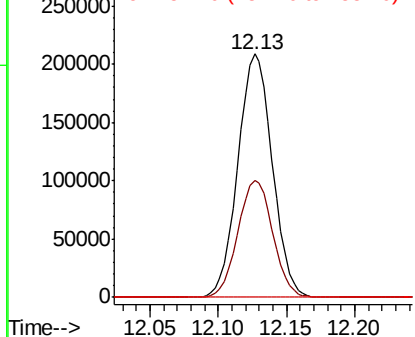
173 100

175 48.7 24.4 73.2

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: VN052619.D

Acq: 3 Dec 2018 9:20

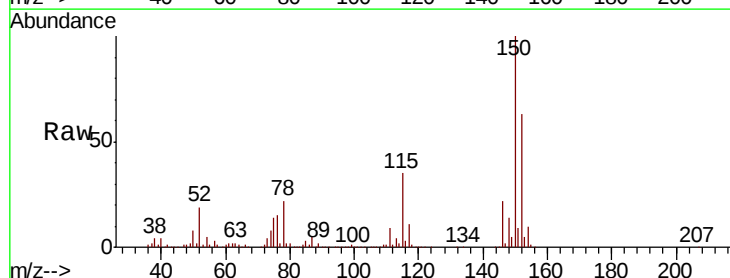
Tgt Ion:152 Resp: 680579

Ion Ratio Lower Upper

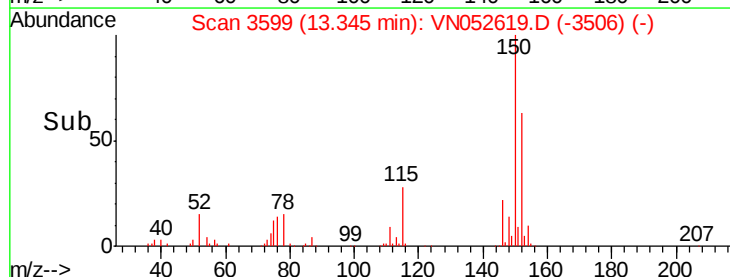
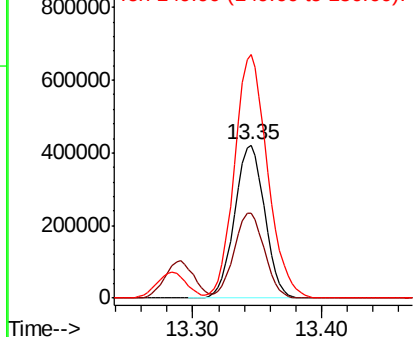
152 100

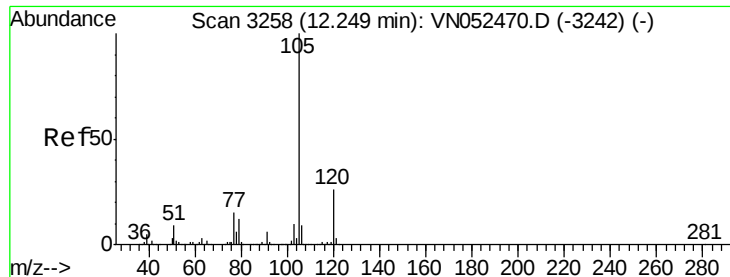
115 56.4 28.4 85.2

150 175.2 0.0 346.0



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: 48.815 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

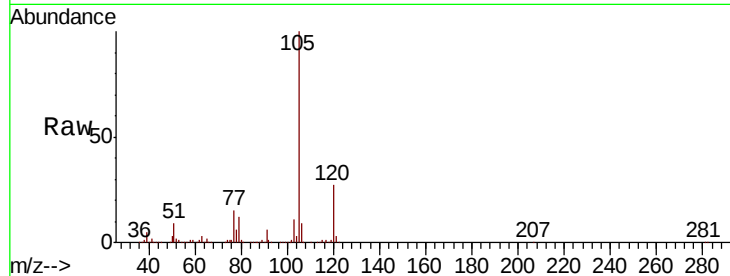
VSTDCCC050

Tot Ion:105 Resp: 2606524

Ion Ratio Lower Upper

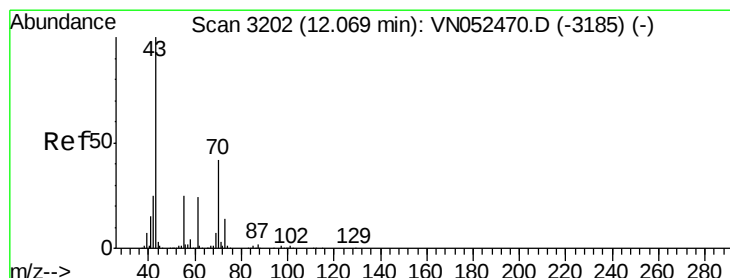
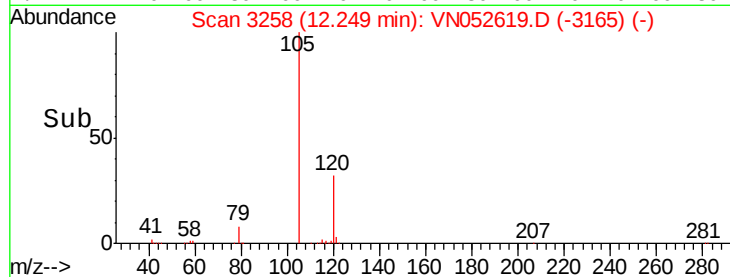
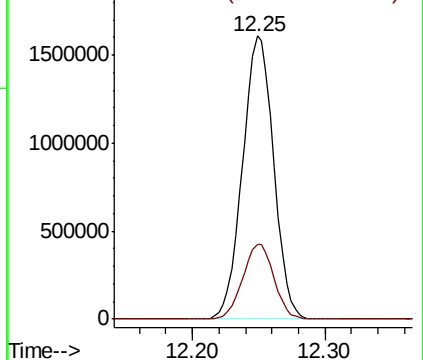
105 100

120 26.5 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Tgt Ion: 43 Resp: 652022

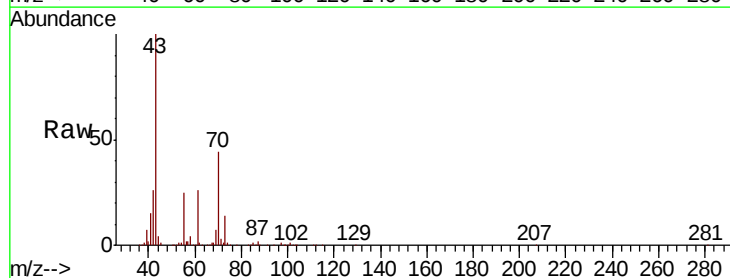
Ion Ratio Lower Upper

43 100

70 43.4 33.8 50.8

55 24.8 20.0 30.0

61 24.8 19.7 29.5

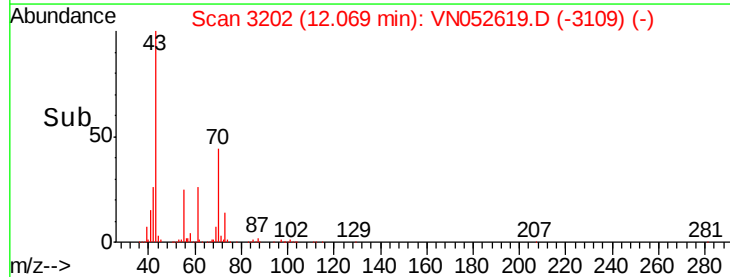
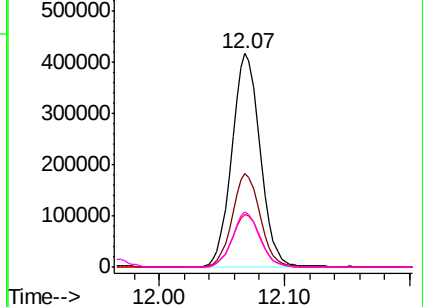


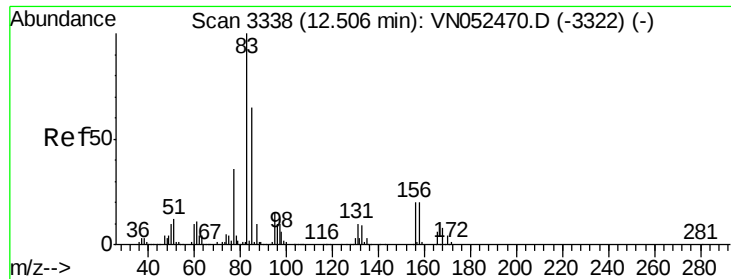
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.266 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

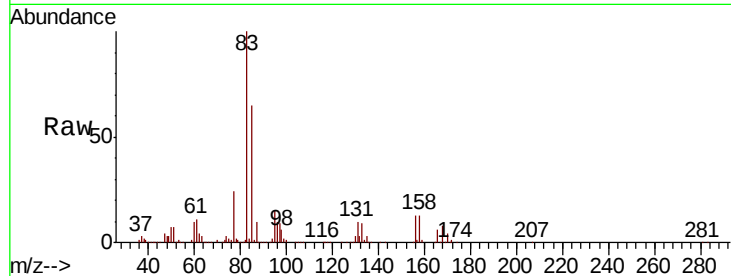
Tot Ion: 83 Resp: 561969

Ion Ratio Lower Upper

83 100

131 10.0 5.0 15.0

85 64.4 31.9 95.9

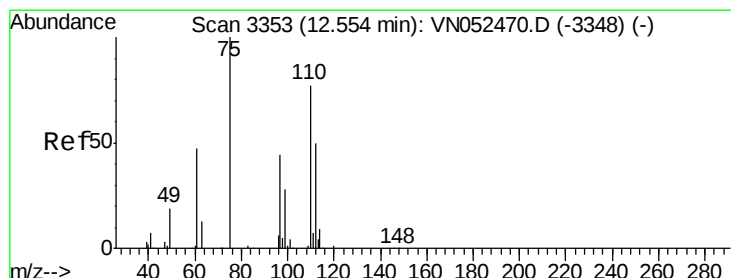
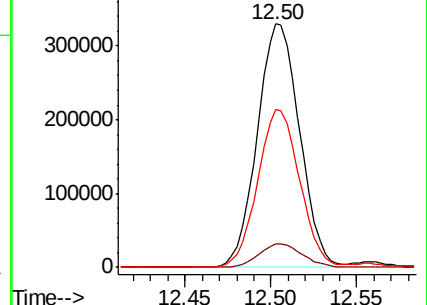
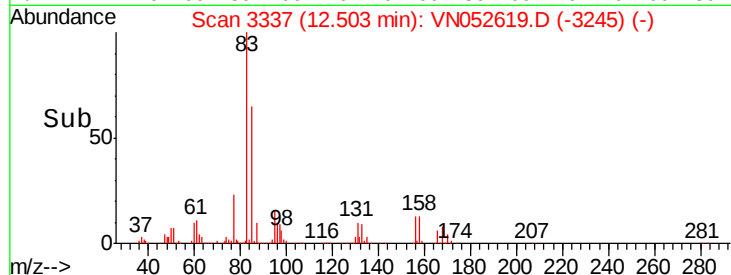


Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052470.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052470.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 68.312 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052619.D

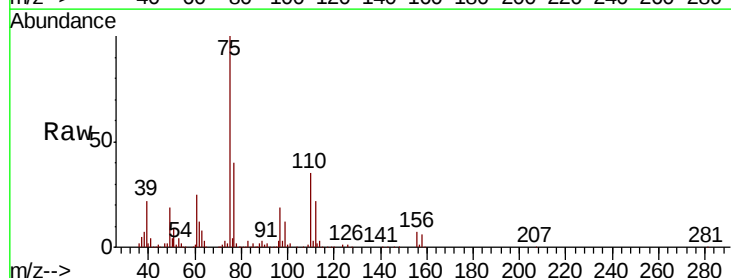
Acq: 3 Dec 2018 9:20

Tgt Ion: 75 Resp: 716932

Ion Ratio Lower Upper

75 100

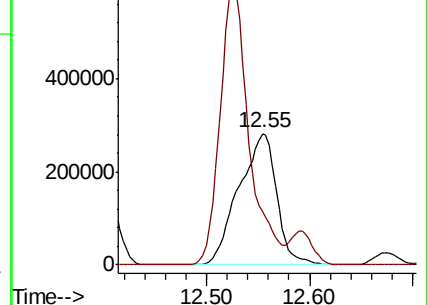
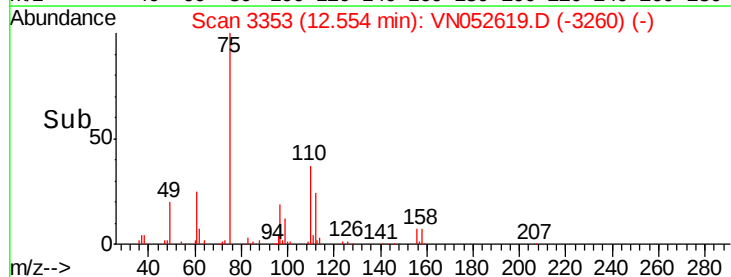
77 0.0 0.0 0.0

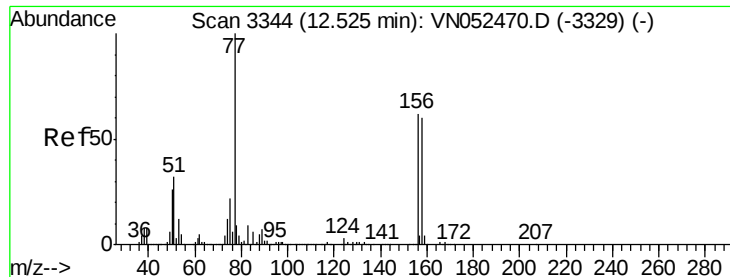


Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)

Time-->





#77

Bromobenzene

Concen: 48.538 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

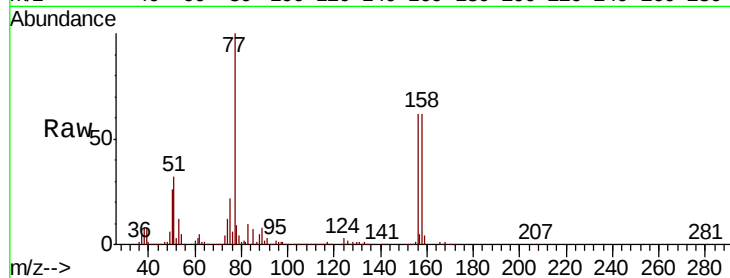
Tot Ion:156 Resp: 640607

Ion Ratio Lower Upper

156 100

77 182.6 93.5 280.4

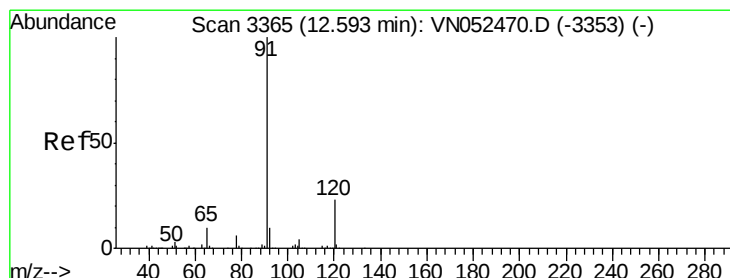
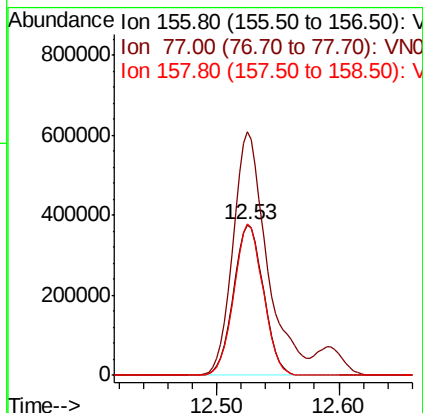
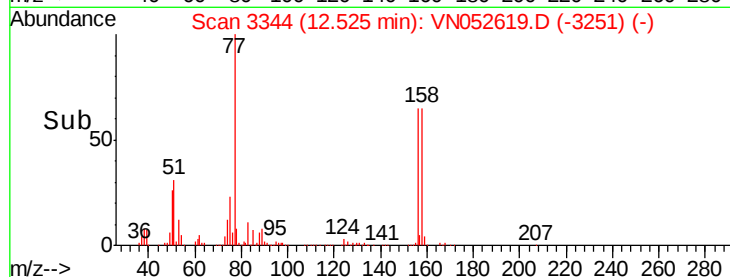
158 98.3 48.3 144.9



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: 50.081 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052619.D

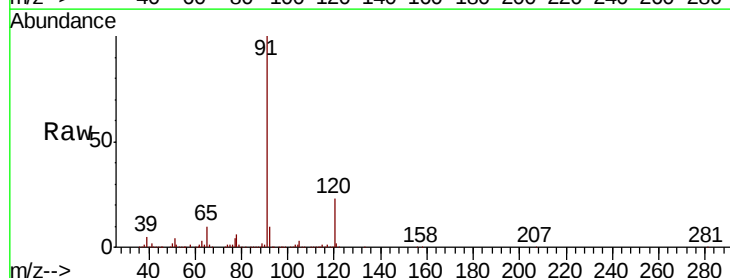
Acq: 3 Dec 2018 9:20

Tgt Ion: 91 Resp: 3037922

Ion Ratio Lower Upper

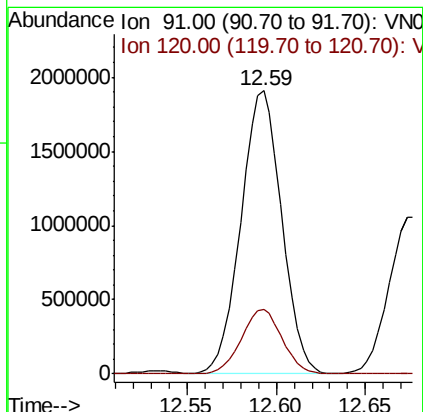
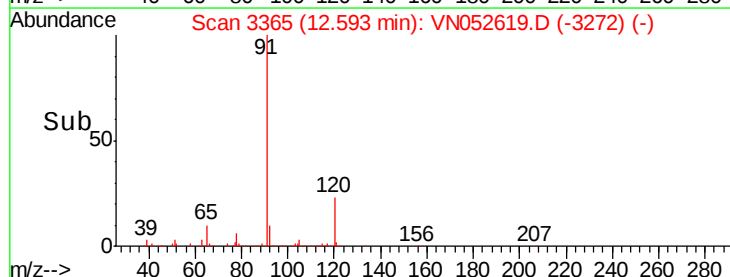
91 100

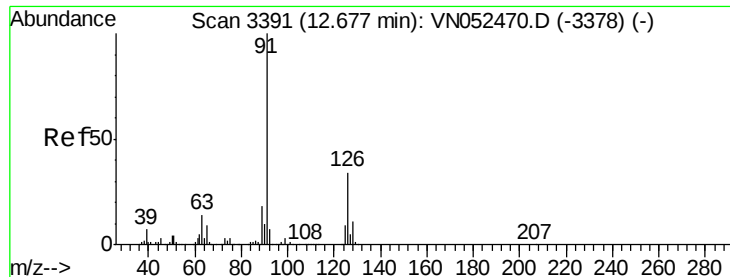
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

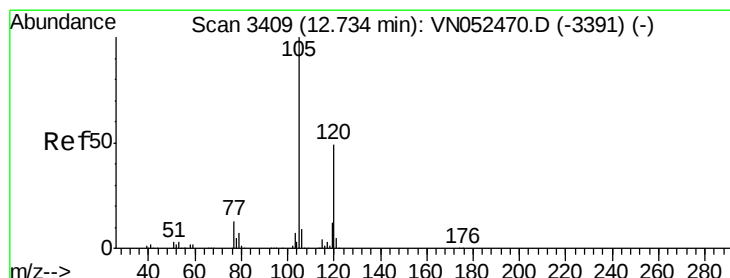
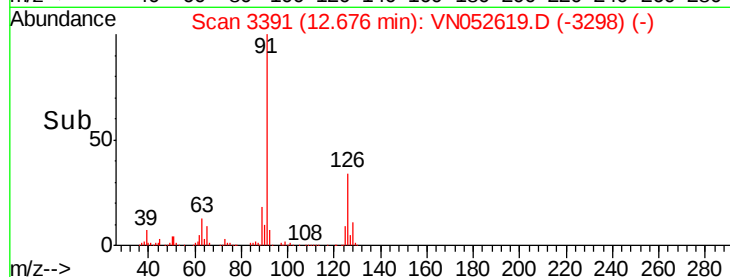
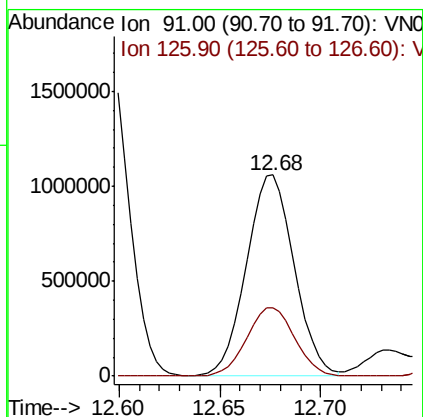
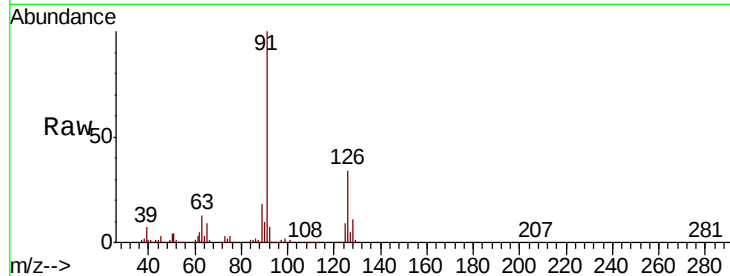




#79
 2-Chlorotoluene
 Concen: 48.438 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

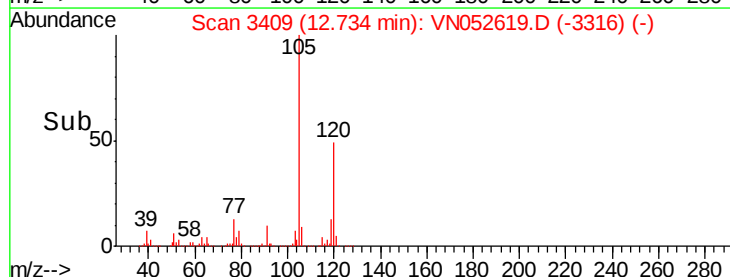
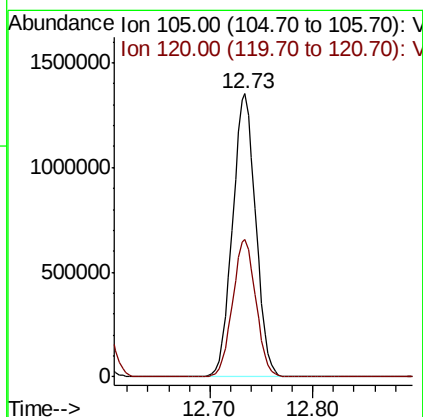
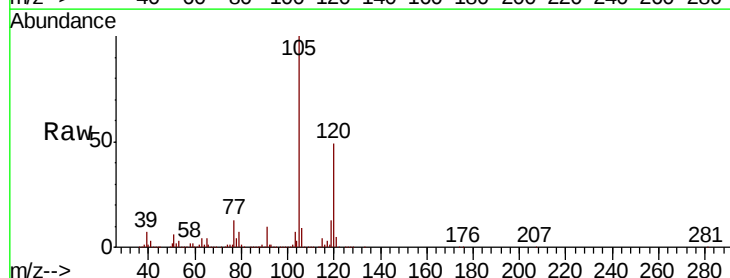
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

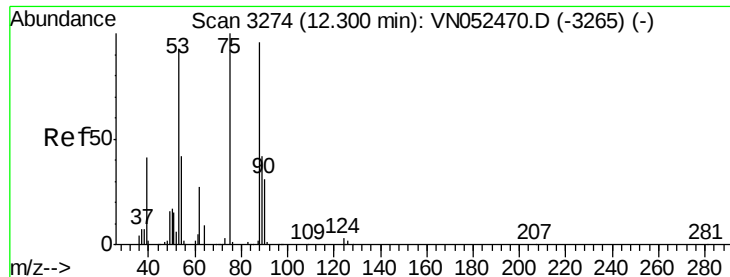
Tot Ion: 91 Resp: 1749737
 Ion Ratio Lower Upper
 91 100
 126 34.5 17.2 51.6



#80
 1,3,5-Trimethylbenzene
 Concen: 49.791 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 105 Resp: 2120345
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 52.147 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

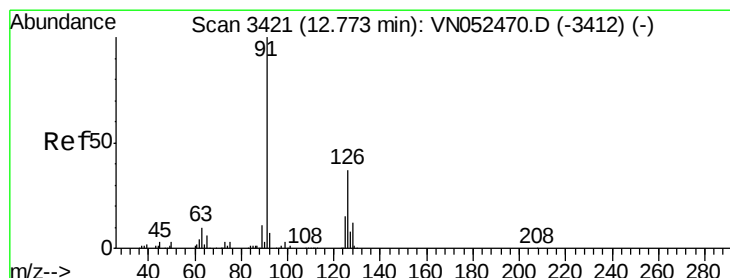
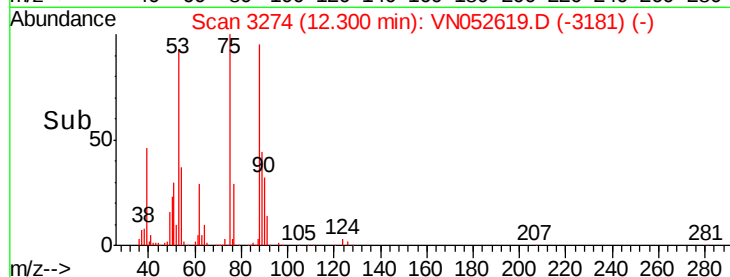
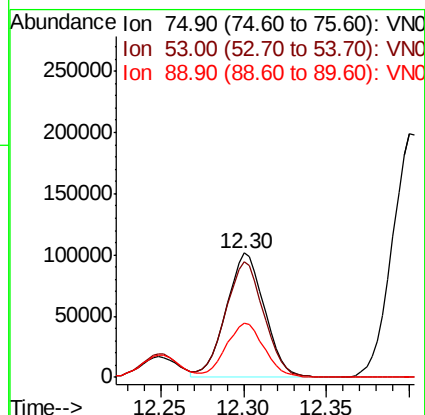
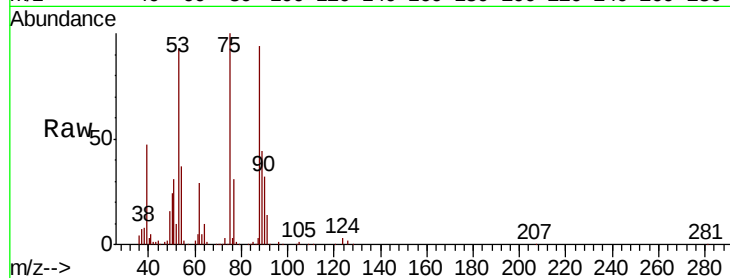
Tot Ion: 75 Resp: 163879

Ion Ratio Lower Upper

75 100

53 93.4 77.4 116.0

89 43.2 35.4 53.2



#82

4-Chlorotoluene

Concen: 49.199 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052619.D

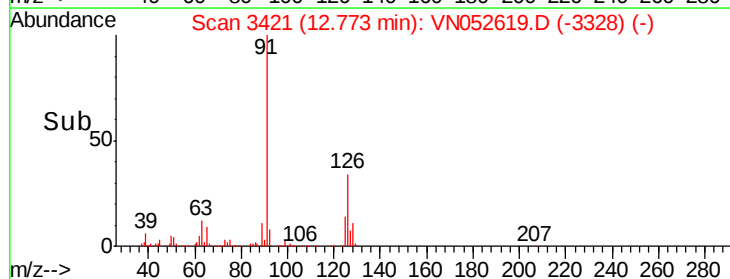
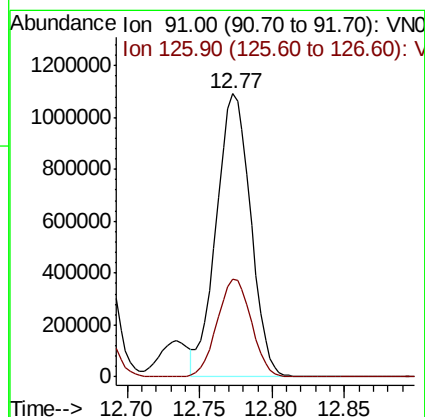
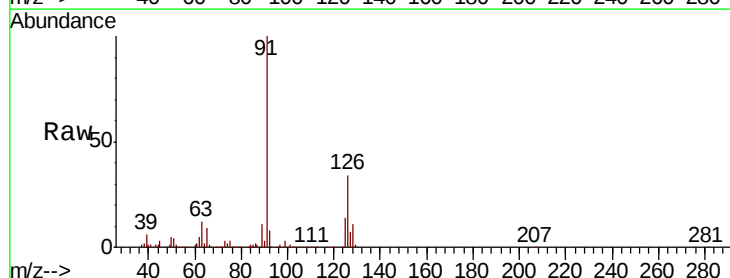
Acq: 3 Dec 2018 9:20

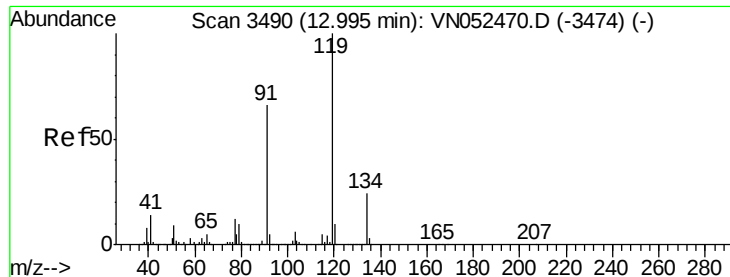
Tgt Ion: 91 Resp: 1791153

Ion Ratio Lower Upper

91 100

126 34.3 16.9 50.6

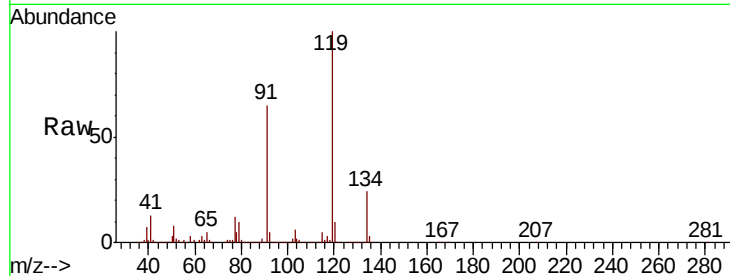




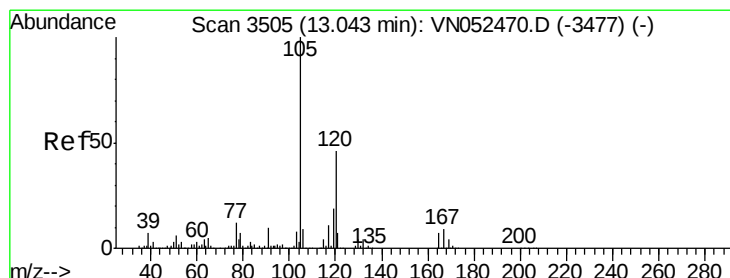
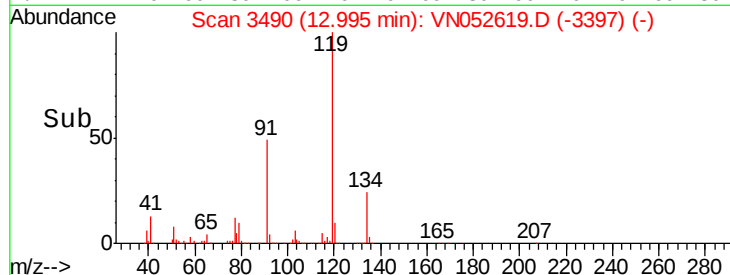
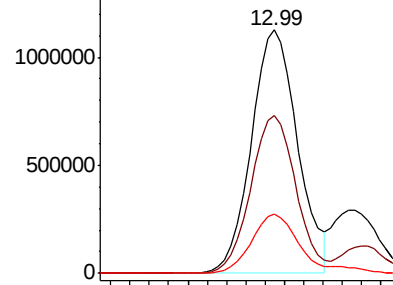
#83
 tert-Butylbenzene
 Concen: 49.217 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1868505
 Ion Ratio Lower Upper
 119 100
 91 63.6 32.3 96.9
 134 25.9 13.0 38.9

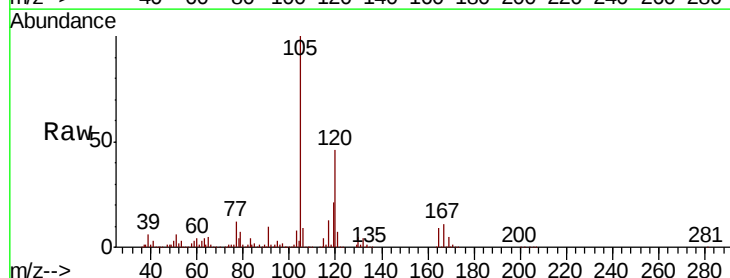


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

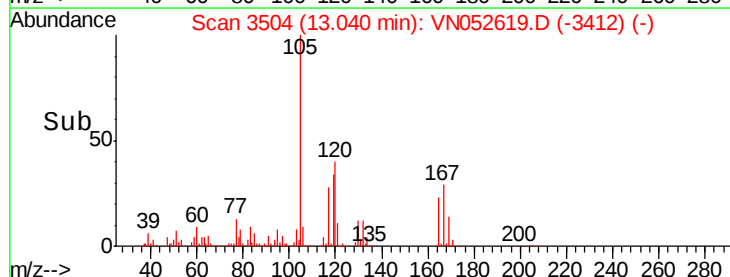
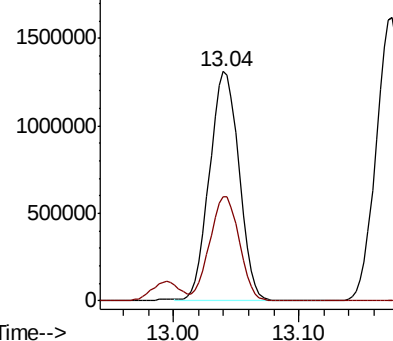


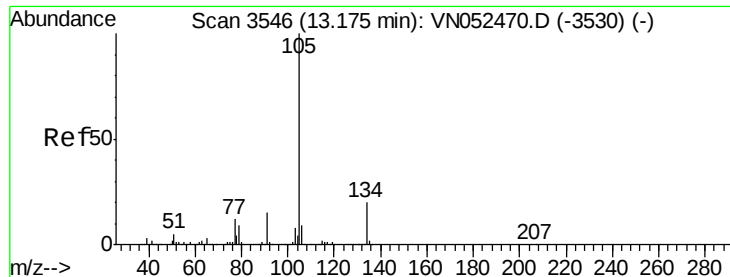
#84
 1,2,4-Trimethylbenzene
 Concen: 50.127 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion:105 Resp: 2139280
 Ion Ratio Lower Upper
 105 100
 120 46.0 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 50.058 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

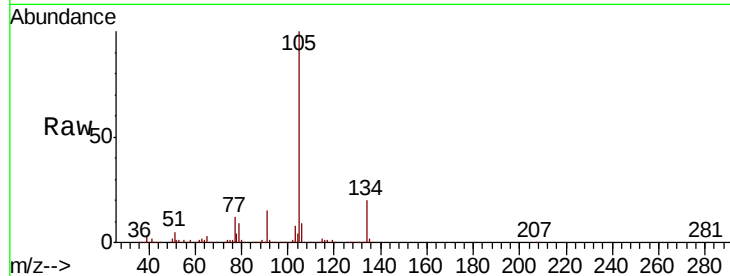
VSTDCCC050

Tot Ion:105 Resp: 2588442

Ion Ratio Lower Upper

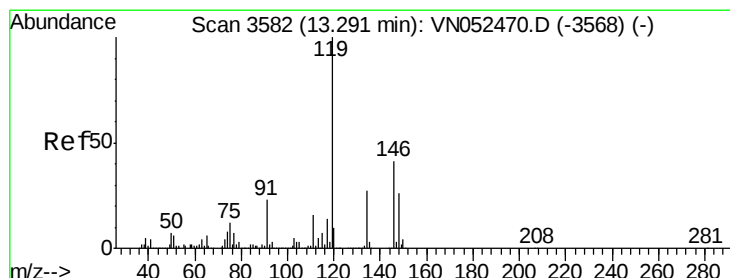
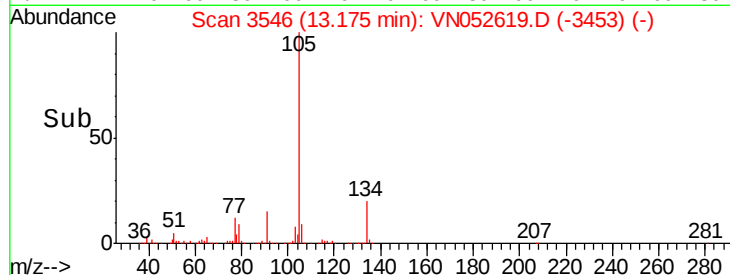
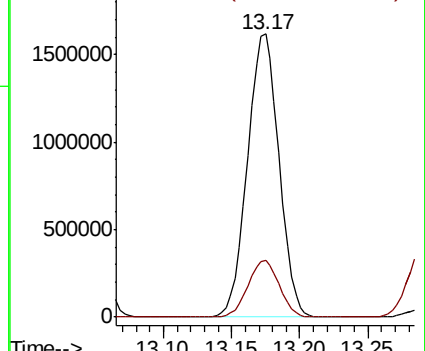
105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.096 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

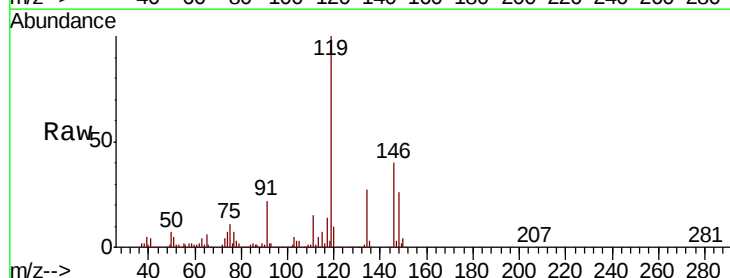
Tgt Ion:119 Resp: 2250407

Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

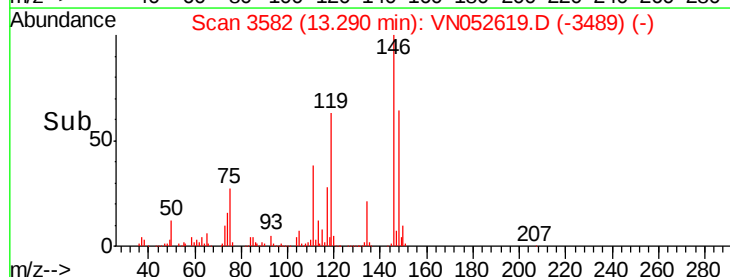
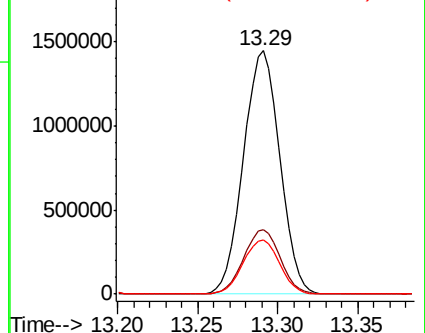
91 22.3 11.4 34.2

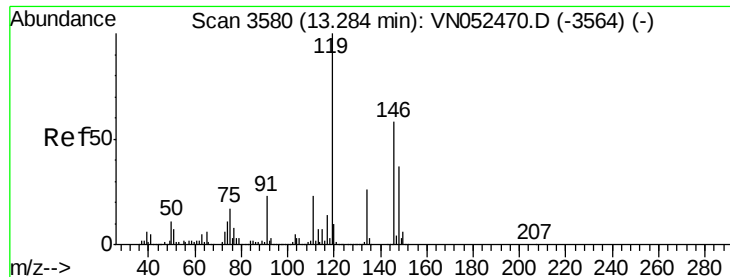


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.432 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

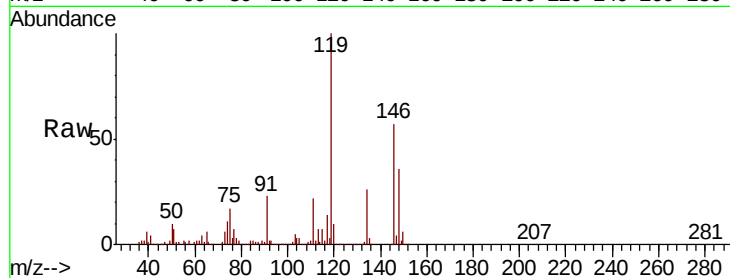
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:146 Resp: 1164279

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.4	58.4
148	63.7	31.8	95.4

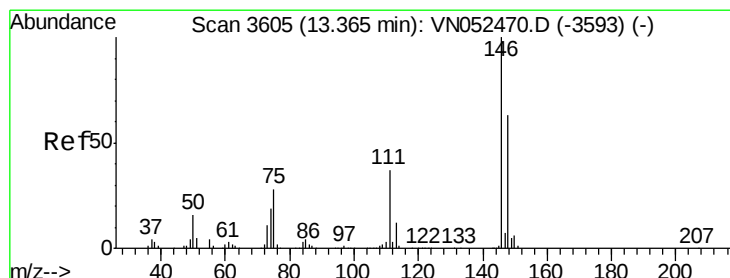
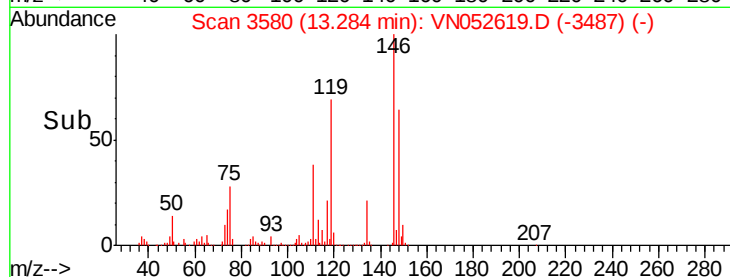
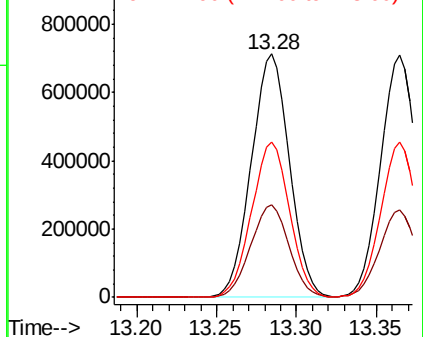


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.252 ug/l

RT: 13.36 min Scan# 3605

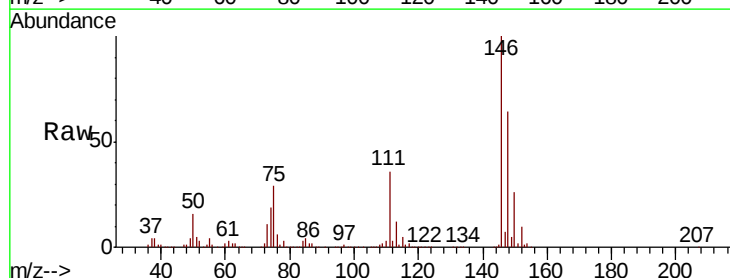
Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Tgt Ion:146 Resp: 1142716

Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.6	56.0
148	63.8	31.9	95.9

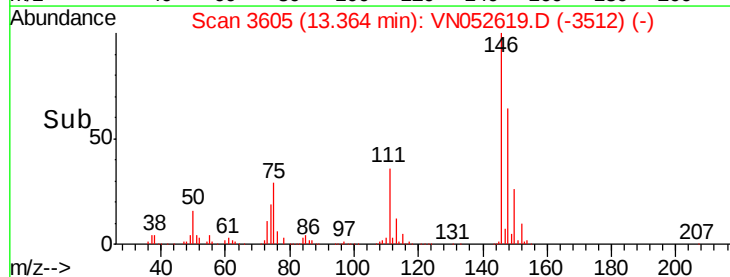
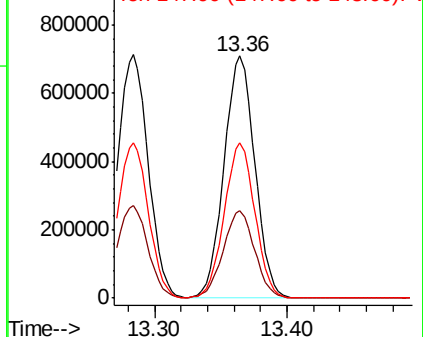


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 53.226 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

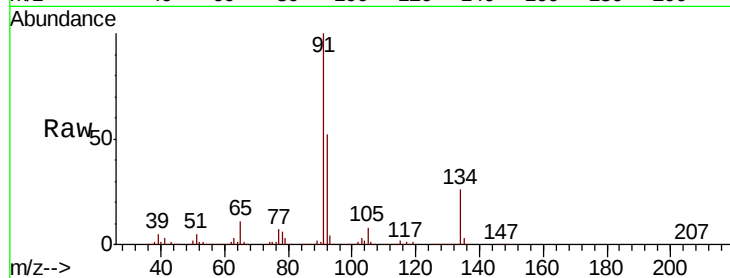
Tot Ion: 91 Resp: 1949556

Ion Ratio Lower Upper

91 100

92 52.4 26.1 78.3

134 26.0 13.0 38.9

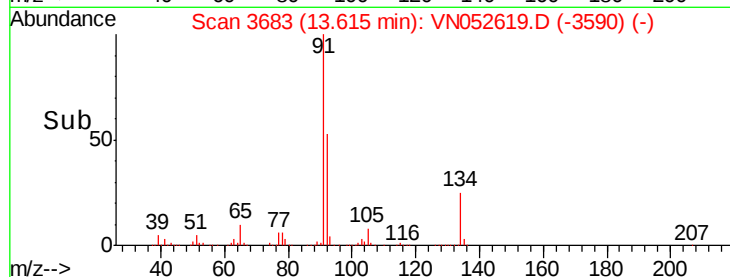


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

Time-->

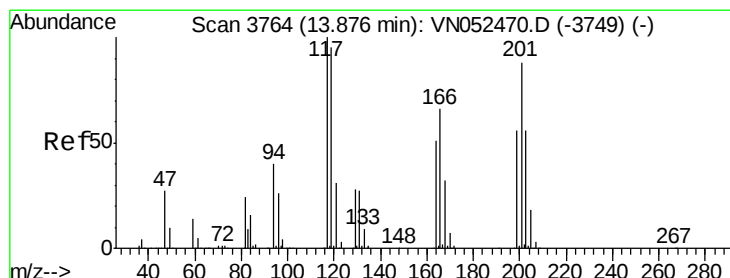


Abundance Ion 91.00 (90.70 to 91.70): VN052619.D (-3590) (-)

Ion 92.00 (91.70 to 92.70): VN052619.D (-3590) (-)

Ion 134.00 (133.70 to 134.70): VN052619.D (-3590) (-)

Time-->



#90

Hexachloroethane

Concen: 50.826 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052619.D

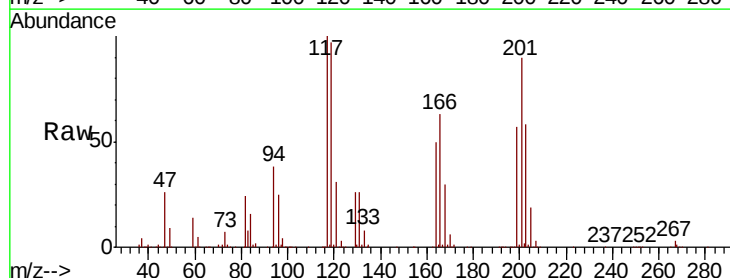
Acq: 3 Dec 2018 9:20

Tgt Ion: 117 Resp: 379030

Ion Ratio Lower Upper

117 100

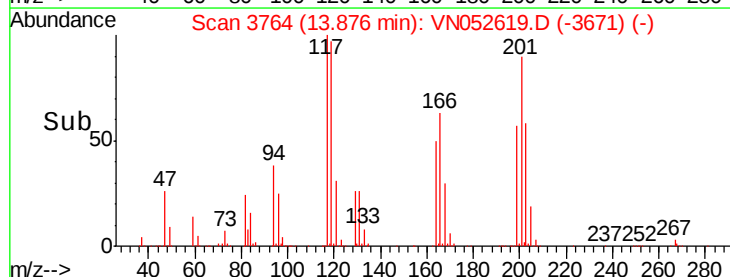
201 89.2 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

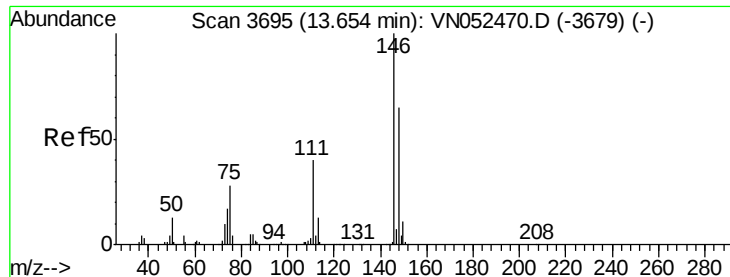
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN052619.D (-3671) (-)

Ion 200.70 (200.40 to 201.40): VN052619.D (-3671) (-)

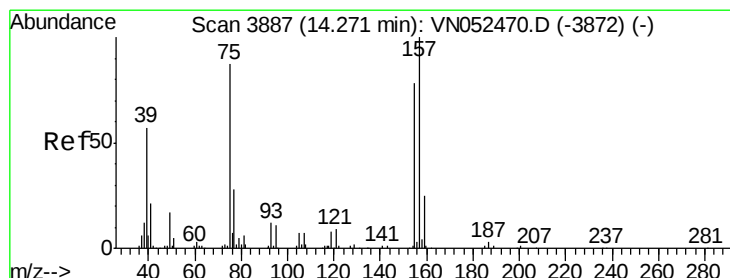
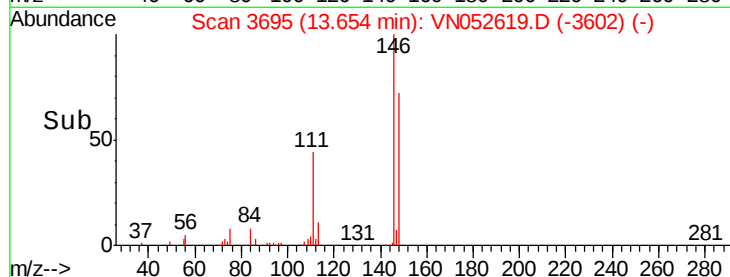
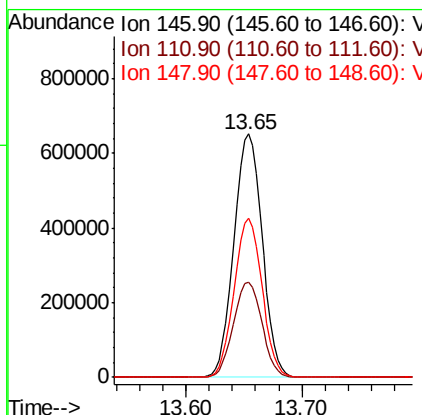
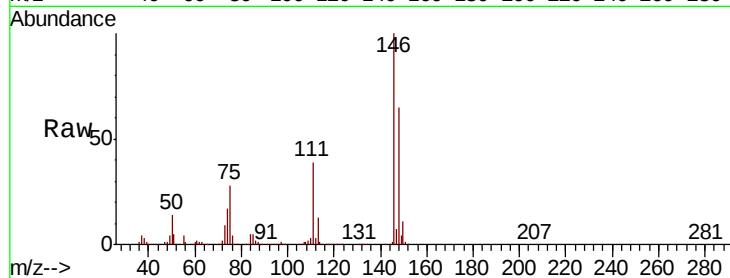
Time-->



#91
 1,2-Dichlorobenzene
 Concen: 49.862 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

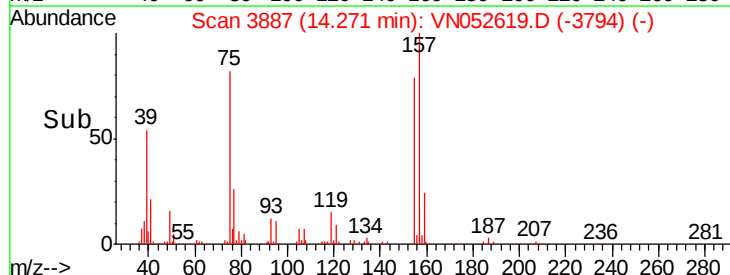
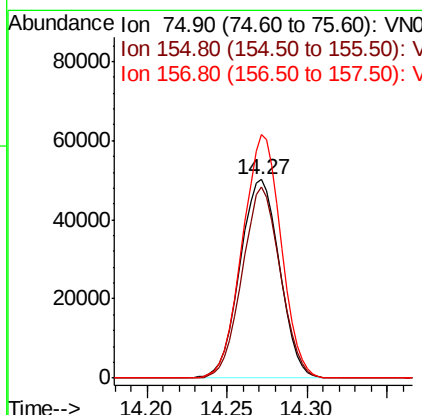
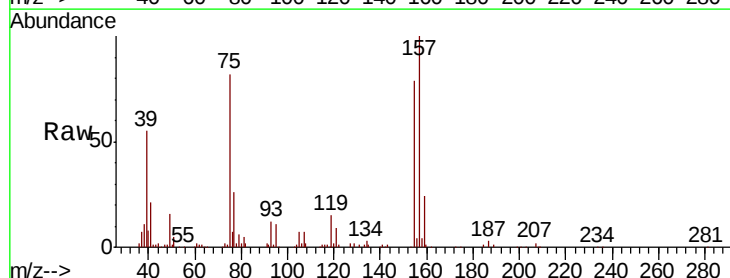
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1099777
 Ion Ratio Lower Upper
 146 100
 111 39.4 20.0 60.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.930 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion: 75 Resp: 85001
 Ion Ratio Lower Upper
 75 100
 155 92.5 45.3 135.9
 157 119.8 58.1 174.2

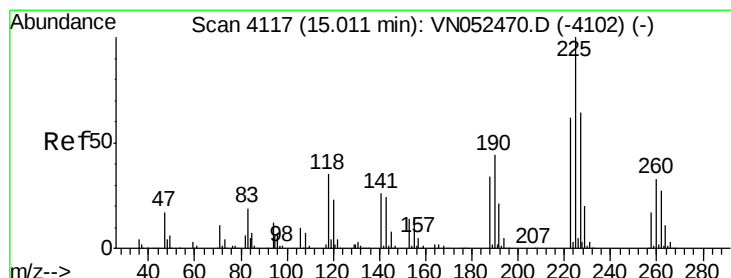
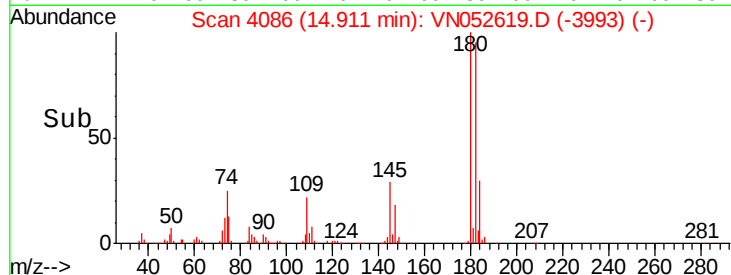
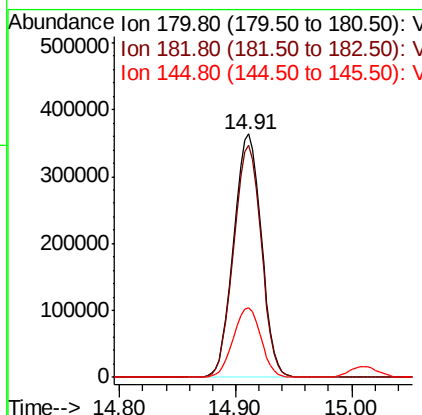
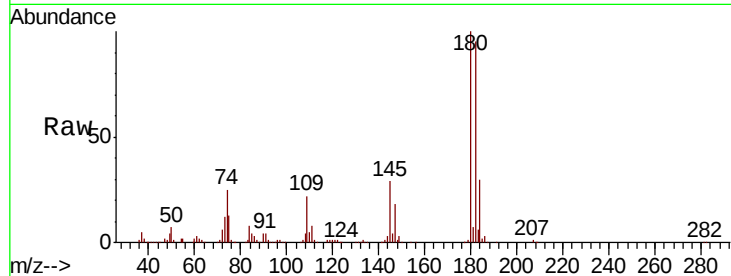




#93
 1,2,4-Trichlorobenzene
 Concen: 49.589 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

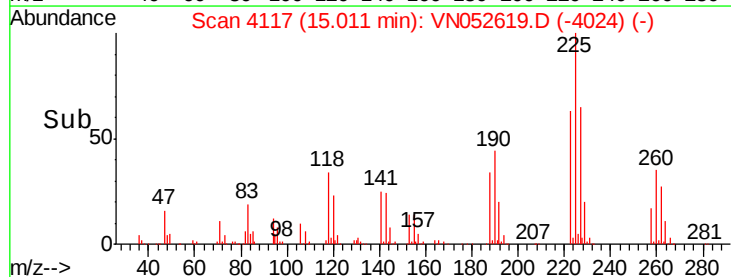
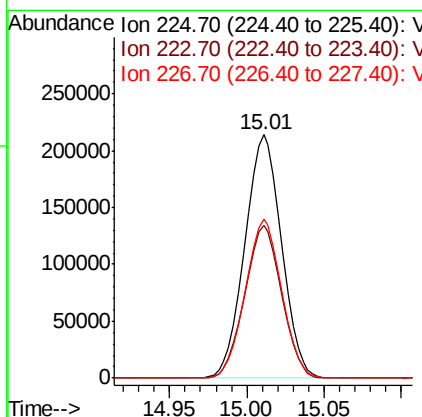
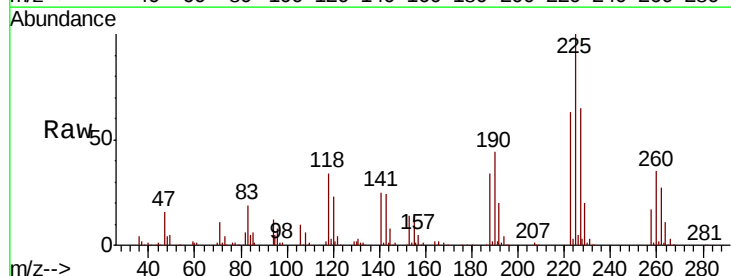
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

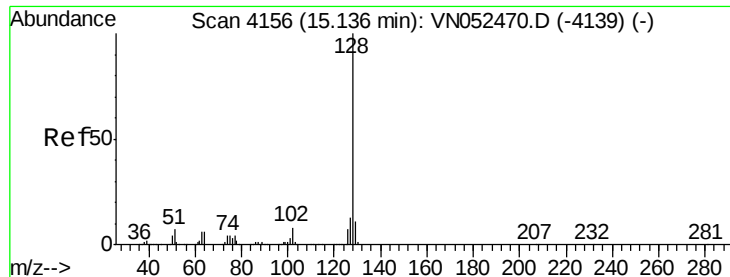
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.4
145	28.6	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 49.866 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052619.D
 Acq: 3 Dec 2018 9:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.4	94.2
227	64.5	32.5	97.4





#95

Naphthalene

Concen: 47.053 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

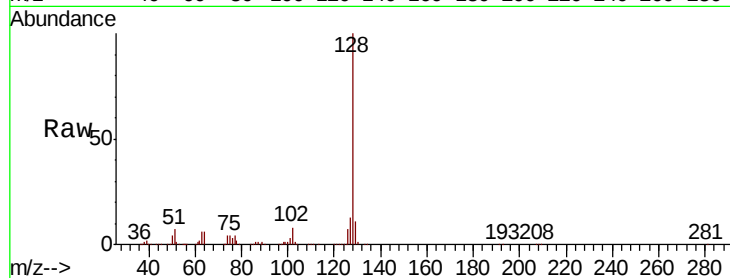
Tot Ion:128 Resp: 1200090

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

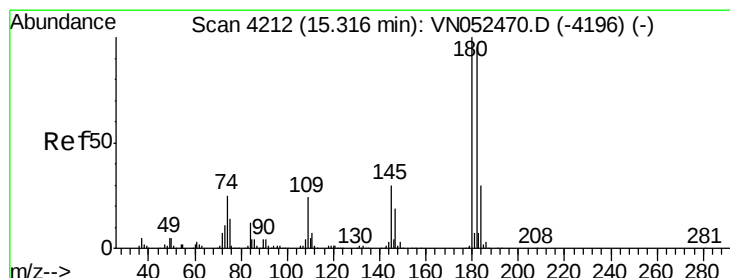
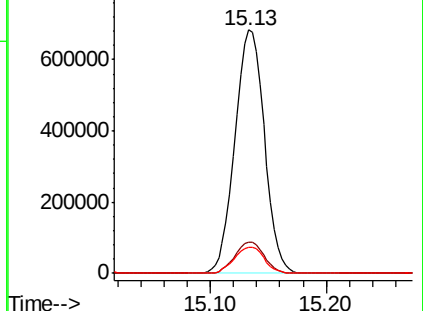
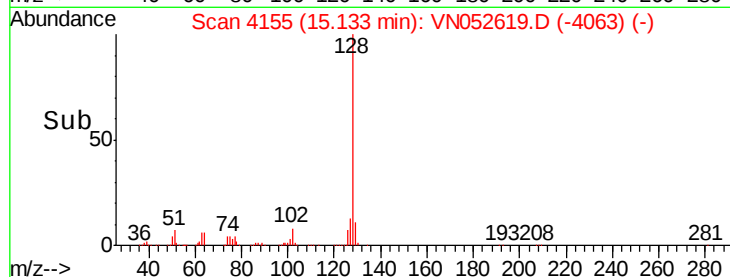
129 11.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.894 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052619.D

Acq: 3 Dec 2018 9:20

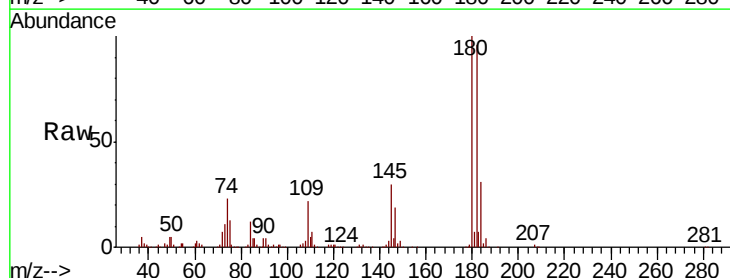
Tgt Ion:180 Resp: 542469

Ion Ratio Lower Upper

180 100

182 95.4 47.8 143.3

145 30.0 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

