

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120418\
 Data File : VN052645.D
 Acq On : 4 Dec 2018 10:47
 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 05 03:05:31 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	7.66	168	1037105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1562935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1397704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	665792	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	549100	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	495629	51.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.88%	
50) Toluene-d8	10.09	98	1906923	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
62) 4-Bromofluorobenzene	12.40	95	671765	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	427840	44.058	ug/l	98
3) Chloromethane	2.06	50	544855	42.506	ug/l	100
4) Vinyl Chloride	2.19	62	571737	43.420	ug/l	100
5) Bromomethane	2.57	94	345659	42.072	ug/l	97
6) Chloroethane	2.71	64	348832	43.735	ug/l	99
7) Trichlorofluoromethane	3.02	101	752265	46.509	ug/l	99
8) Diethyl Ether	3.41	74	287684	48.164	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	484907	48.046	ug/l	98
10) Methyl Iodide	3.95	142	691545	51.446	ug/l	100
11) Tert butyl alcohol	4.78	59	140031	247.703	ug/l	100
12) 1,1-Dichloroethene	3.74	96	448918	46.209	ug/l	99
13) Acrolein	3.61	56	157390	160.189	ug/l	99
14) Allyl chloride	4.33	41	787920	47.058	ug/l	99
15) Acrylonitrile	4.99	53	876109	244.823	ug/l	99
16) Acetone	3.82	43	764305	256.614	ug/l	100
17) Carbon Disulfide	4.06	76	1287448	42.111	ug/l	99
18) Methyl Acetate	4.32	43	429728	50.299	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	1262804	48.855	ug/l	99
20) Methylene Chloride	4.55	84	519996	44.614	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	481684	46.424	ug/l	97
22) Diisopropyl ether	5.95	45	1660314	47.207	ug/l	99
23) Vinyl Acetate	5.90	43	5305284	242.182	ug/l	98
24) 1,1-Dichloroethane	5.85	63	941069	46.863	ug/l	99
25) 2-Butanone	6.83	43	1066929	252.730	ug/l	97
26) 2,2-Dichloropropane	6.83	77	711211	51.168	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	566517	46.872	ug/l	99
28) Bromochloromethane	7.19	49	426934	46.547	ug/l	95
29) Tetrahydrofuran	7.21	42	655666	240.795	ug/l	98
30) Chloroform	7.37	83	927806	46.309	ug/l	99
31) Cyclohexane	7.65	56	868799	44.660	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	772198	48.646	ug/l	99
36) 1,1-Dichloropropene	7.79	75	707070	47.907	ug/l	98
37) Ethyl Acetate	6.93	43	444809	49.382	ug/l	99
38) Carbon Tetrachloride	7.77	117	677608	50.715	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	882352	49.186	ug/l	98
40) Benzene	8.04	78	2141165	48.679	ug/l	99
41) Methacrylonitrile	7.17	41	220798	44.837	ug/l	88
42) 1,2-Dichloroethane	8.12	62	653293	49.053	ug/l	99
43) Isopropyl Acetate	8.16	43	804058	52.748	ug/l	99
44) Trichloroethene	8.84	130	561208	49.811	ug/l	97
45) 1,2-Dichloropropane	9.12	63	574485	49.126	ug/l	99
46) Dibromomethane	9.21	93	328745	50.782	ug/l	99
47) Bromodichloromethane	9.40	83	710253	50.463	ug/l	100
48) Methyl methacrylate	9.20	41	400483	50.386	ug/l	98
49) 1,4-Dioxane	9.20	88	79833	967.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	2237648	261.634	ug/l	99
52) Toluene	10.16	92	1323113	50.629	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	722211	53.338	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	841824	51.880	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	474502	51.618	ug/l	98
56) Ethyl methacrylate	10.43	69	623343	48.895	ug/l	98
57) 1,3-Dichloropropane	10.71	76	816636	50.312	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1739268	260.745	ug/l	99
59) 2-Hexanone	10.75	43	1603522	279.355	ug/l	99
60) Dibromochloromethane	10.90	129	534791	53.564	ug/l	99
61) 1,2-Dibromoethane	11.01	107	467719	51.228	ug/l	100
64) Tetrachloroethene	10.63	164	546866	50.464	ug/l	98
65) Chlorobenzene	11.44	112	1457405	50.568	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	516104	51.502	ug/l	99
67) Ethyl Benzene	11.51	91	2570185	50.925	ug/l	99
68) m/p-Xylenes	11.62	106	1946821	103.617	ug/l	99
69) o-Xylene	11.95	106	940561	51.551	ug/l	100
70) Styrene	11.96	104	1553146	53.445	ug/l	100
71) Bromoform	12.13	173	366375	55.217	ug/l #	100
73) Isopropylbenzene	12.25	105	2549170	48.802	ug/l	99
74) N-amyl acetate	12.07	43	685585	51.951	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	578026	48.645	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	727184	70.828	ug/l #	100
77) Bromobenzene	12.53	156	631813	48.935	ug/l	98
78) n-propylbenzene	12.59	91	2960343	49.886	ug/l	99
79) 2-Chlorotoluene	12.68	91	1709162	48.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	2090337	50.176	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	167695	54.546	ug/l	96
82) 4-Chlorotoluene	12.77	91	1749385	49.119	ug/l	99
83) tert-Butylbenzene	12.99	119	1844685	49.669	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2127082	50.948	ug/l	100
85) sec-Butylbenzene	13.17	105	2537008	50.153	ug/l	100
86) p-Isopropyltoluene	13.29	119	2194145	50.925	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1141921	50.562	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1111701	49.974	ug/l	99
89) n-Butylbenzene	13.62	91	1892265	52.809	ug/l	100
90) Hexachloroethane	13.88	117	369381	50.633	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	1086005	50.331	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	91288	53.716	ug/l	99

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Response via : Initial Calibration

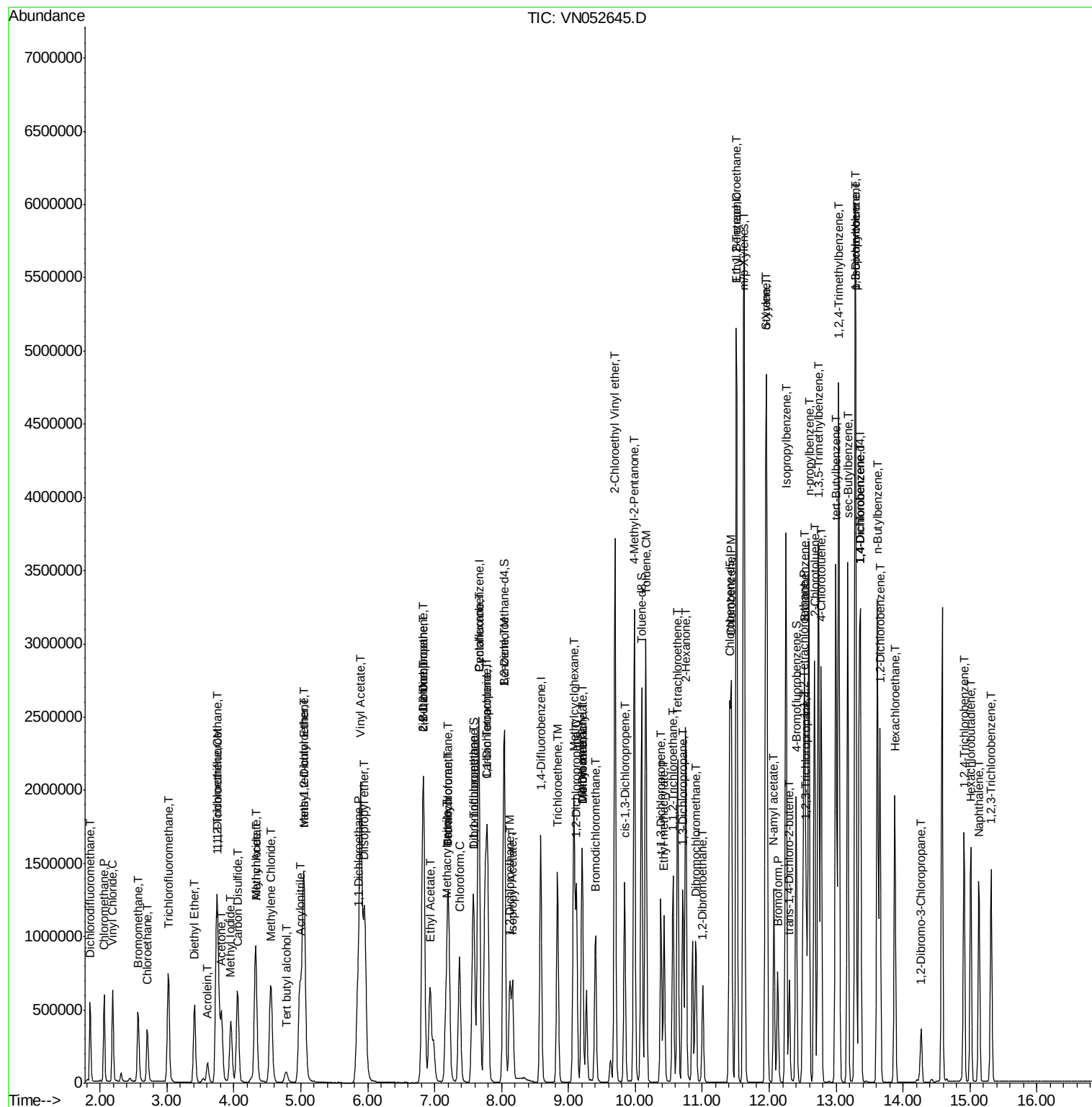
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	580640	49.173	ug/l	99
94) Hexachlorobutadiene	15.01	225	350700	50.523	ug/l	99
95) Naphthalene	15.13	128	1198952	47.979	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	530815	48.906	ug/l	99

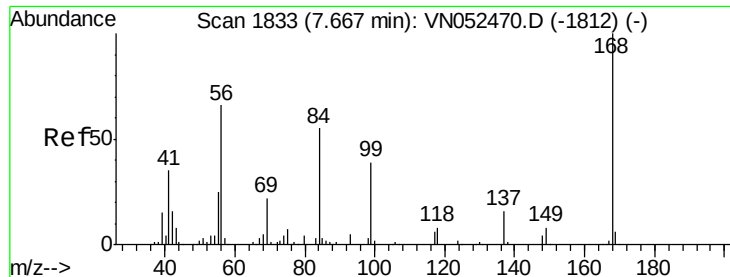
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN120418\
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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

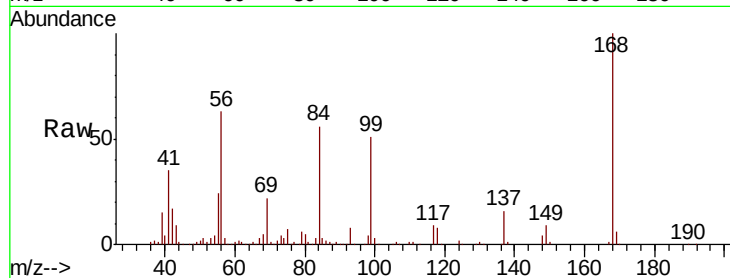
VSTDCCC050

Tot Ion:168 Resp: 1037105

Ion Ratio Lower Upper

168 100

99 50.5 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

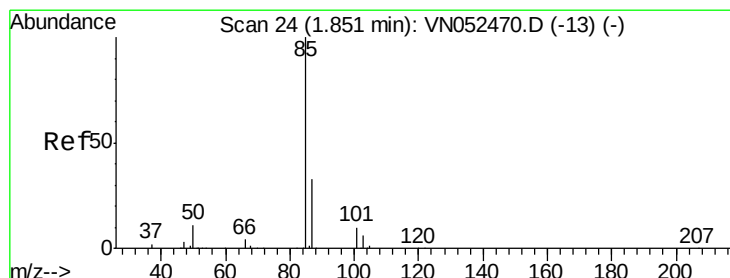
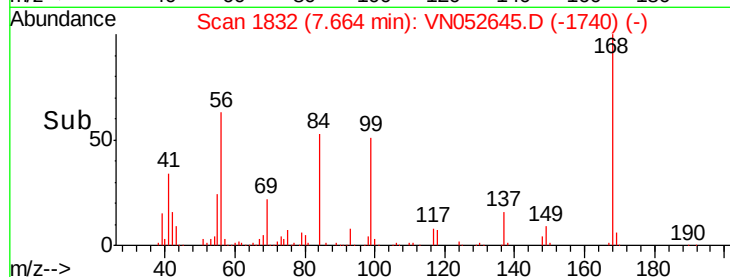
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.058 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052645.D

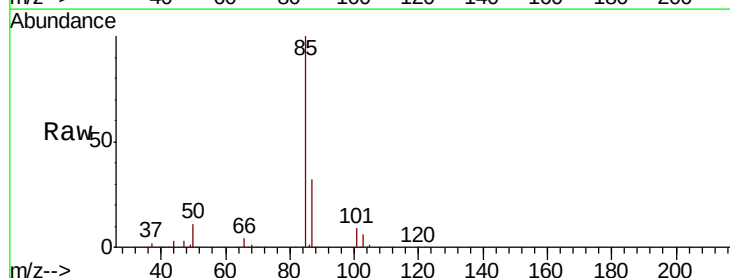
Acq: 4 Dec 2018 10:47

Tgt Ion: 85 Resp: 427840

Ion Ratio Lower Upper

85 100

87 32.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

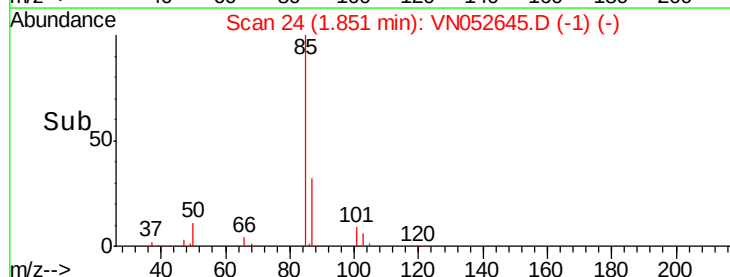
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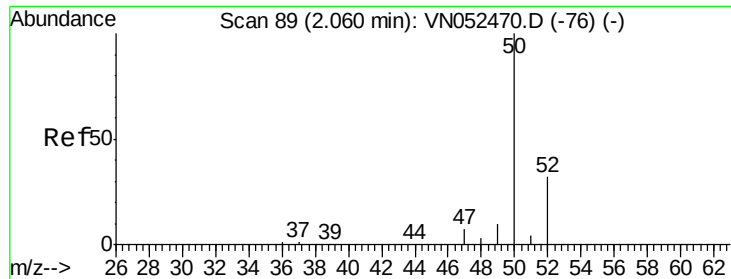
200000

100000

0

Time-->





#3

Chloromethane

Concen: 42.506 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

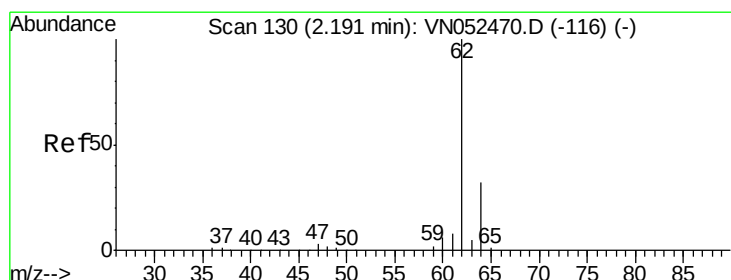
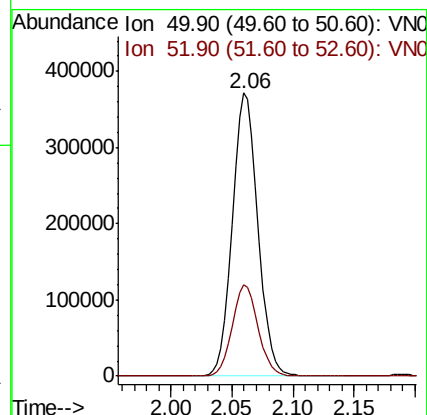
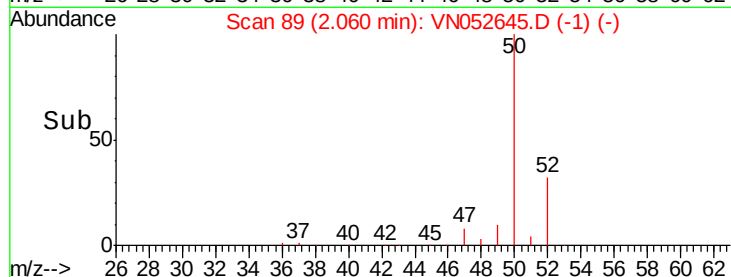
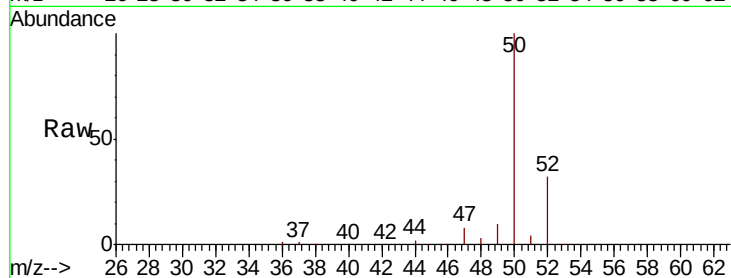
VSTDCCC050

Tot Ion: 50 Resp: 544855

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9



#4

Vinyl Chloride

Concen: 43.420 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052645.D

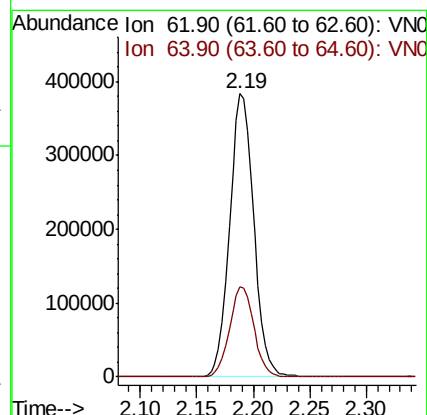
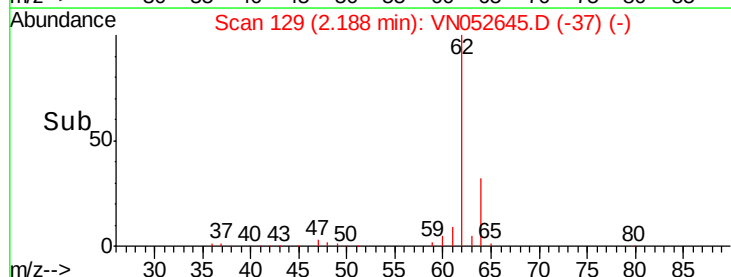
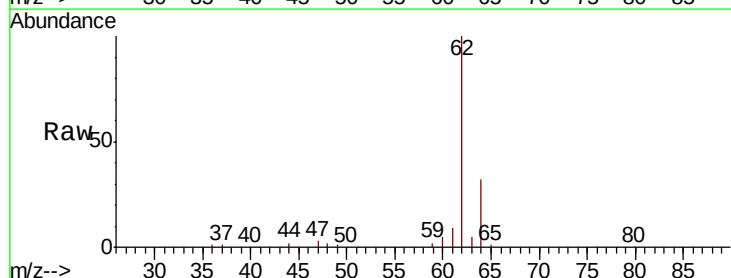
Acq: 4 Dec 2018 10:47

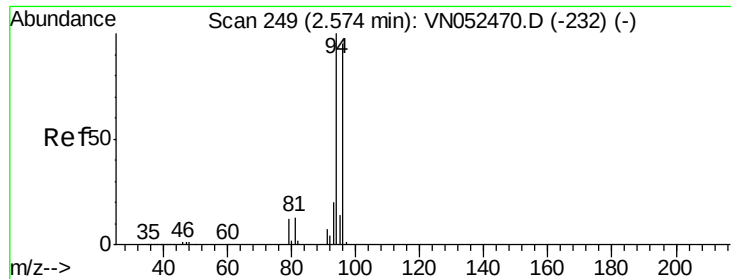
Tgt Ion: 62 Resp: 571737

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 42.072 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

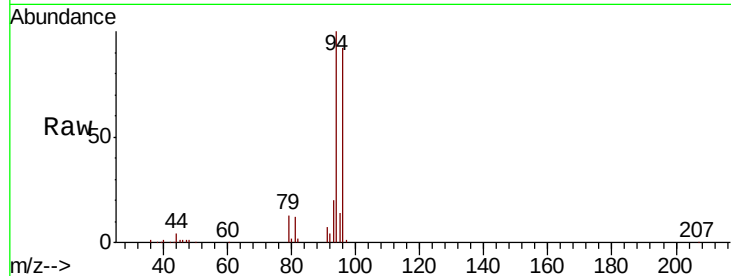
VSTDCCC050

Tot Ion: 94 Resp: 345659

Ion Ratio Lower Upper

94 100

96 92.2 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052470.D (-232) (-)

Ion 95.90 (95.60 to 96.60): VN052470.D (-232) (-)

2.57

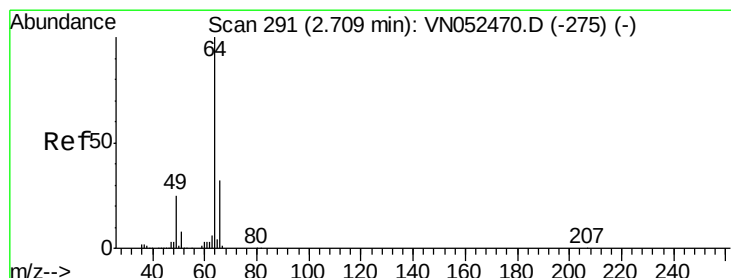
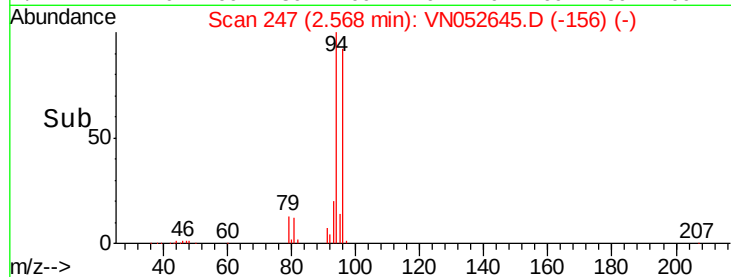
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 43.735 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052645.D

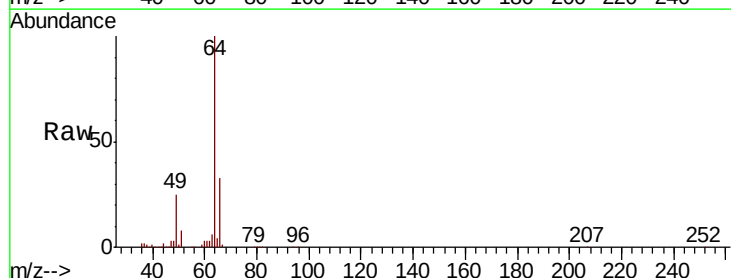
Acq: 4 Dec 2018 10:47

Tgt Ion: 64 Resp: 348832

Ion Ratio Lower Upper

64 100

66 32.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN052470.D (-275) (-)

2.71

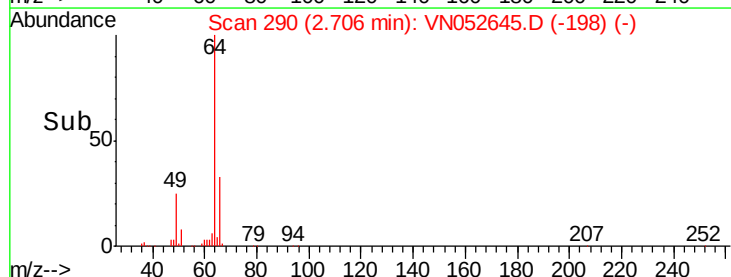
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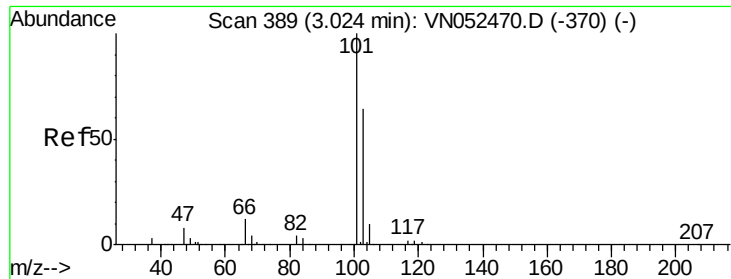
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50000

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Time-->



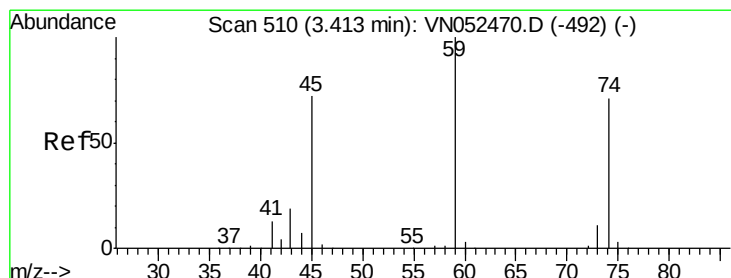
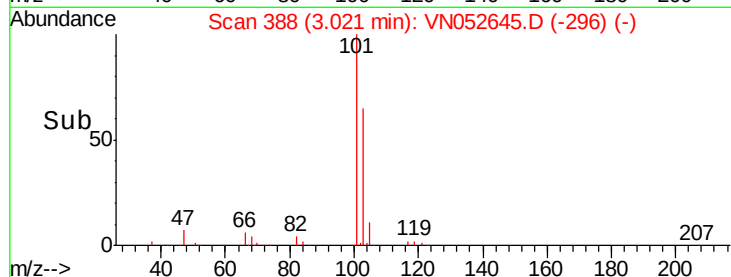
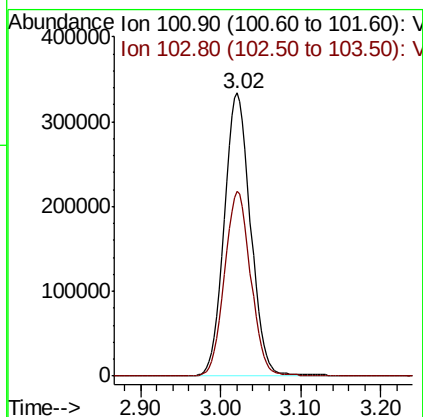
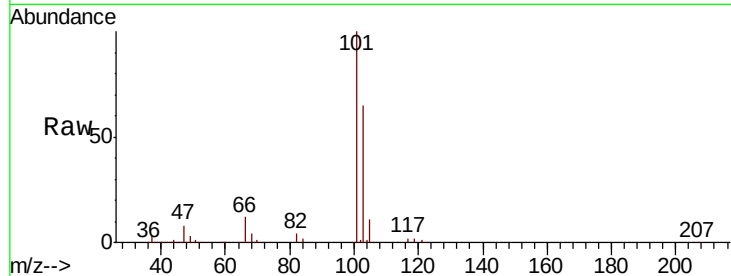


#7

Trichlorofluoromethane
 Concen: 46.509 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

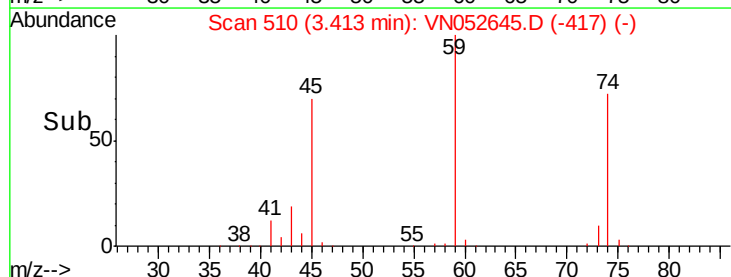
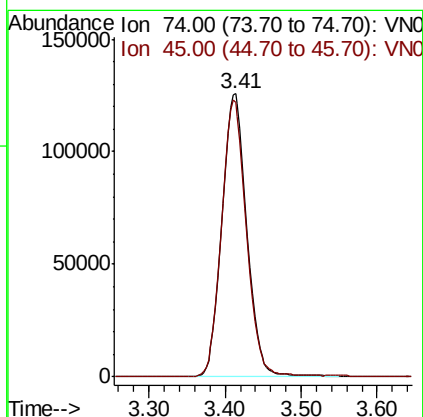
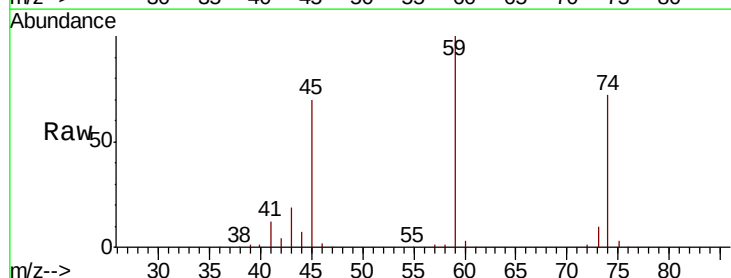
Tot Ion:101 Resp: 752265
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

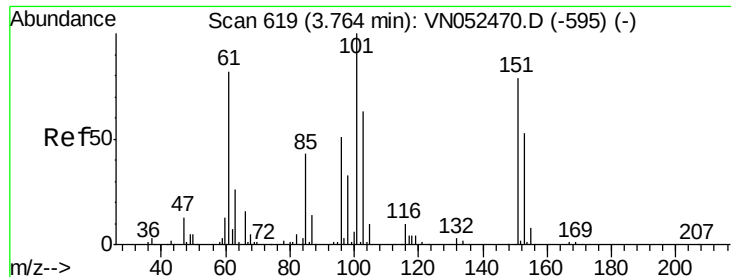


#8

Diethyl Ether
 Concen: 48.164 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 74 Resp: 287684
 Ion Ratio Lower Upper
 74 100
 45 96.9 50.4 151.3

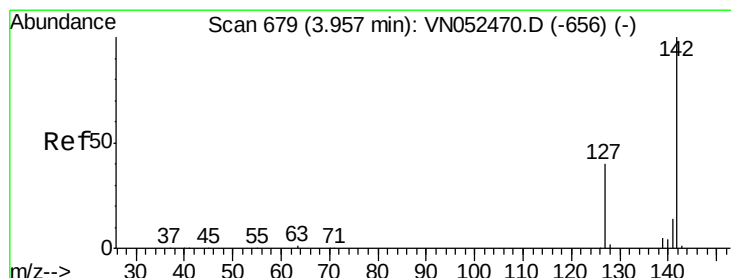
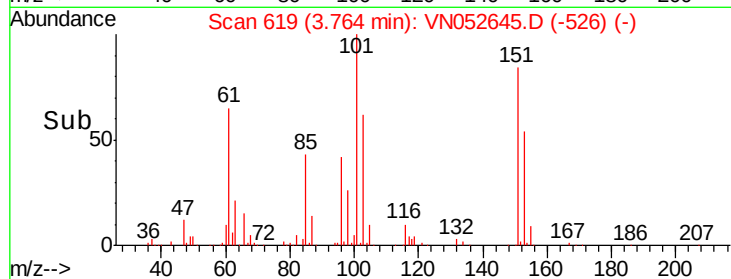
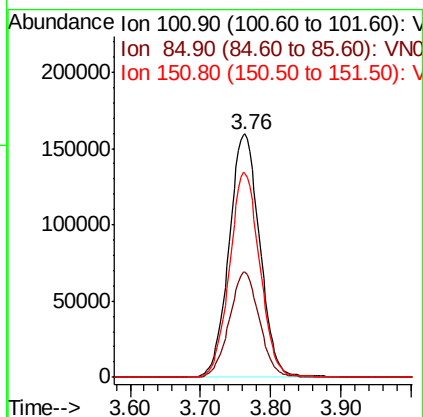
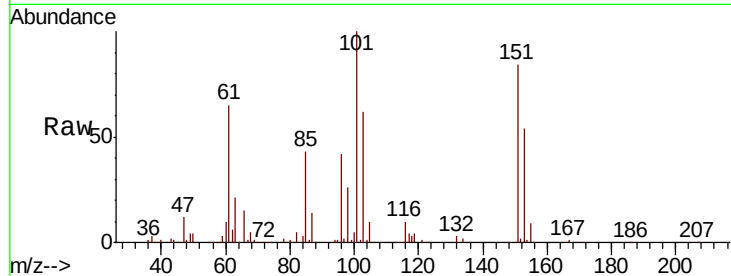




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.046 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

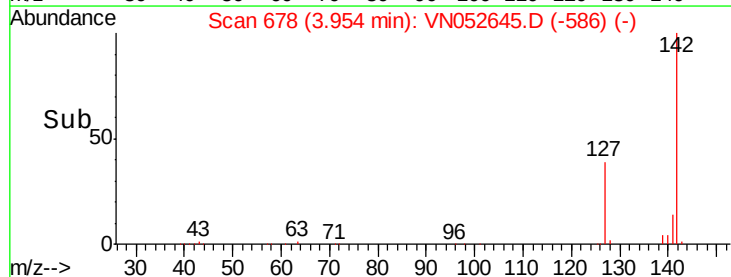
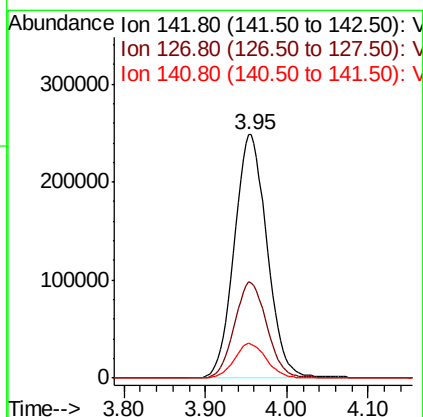
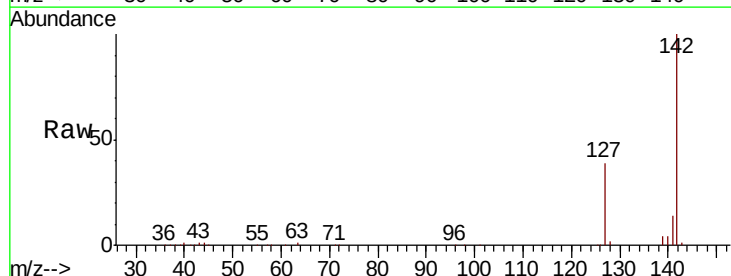
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

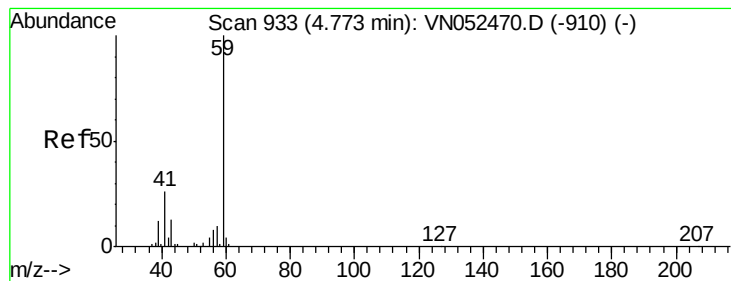
Tot Ion:101 Resp: 484907
 Ion Ratio Lower Upper
 101 100
 85 42.2 34.2 51.4
 151 83.1 64.6 96.8



#10
 Methyl Iodide
 Concen: 51.446 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion:142 Resp: 691545
 Ion Ratio Lower Upper
 142 100
 127 39.4 31.8 47.6
 141 14.1 11.4 17.0



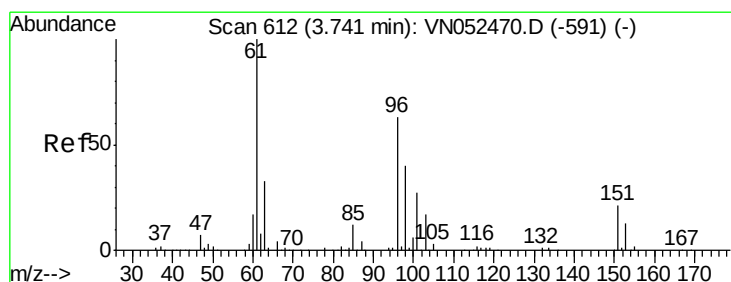
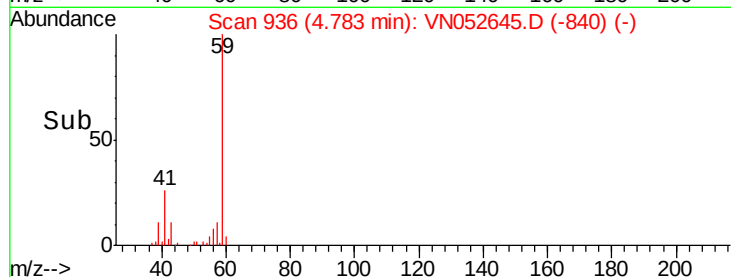
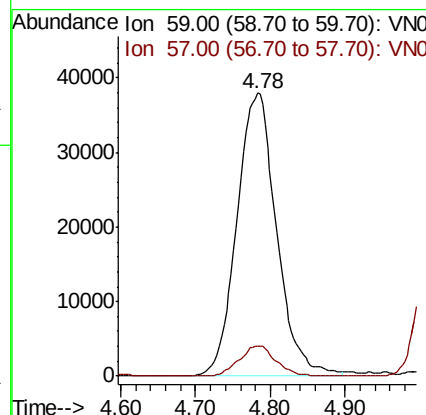
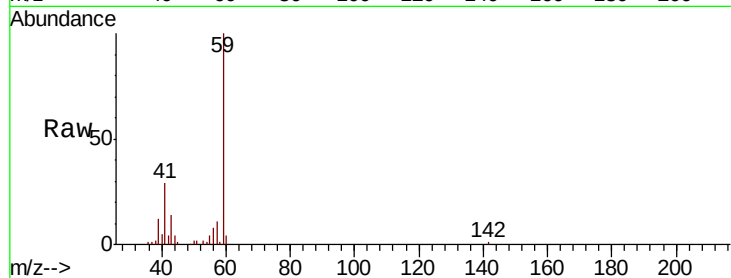


#11

Tert butyl alcohol
 Concen: 247.703 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

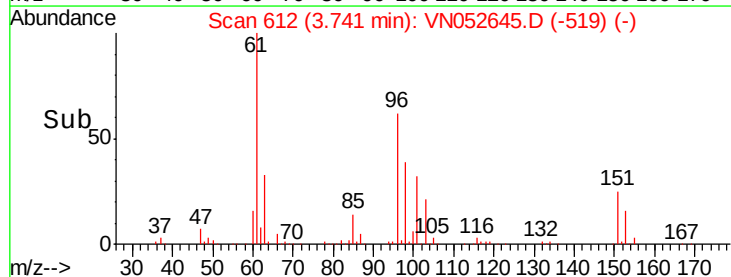
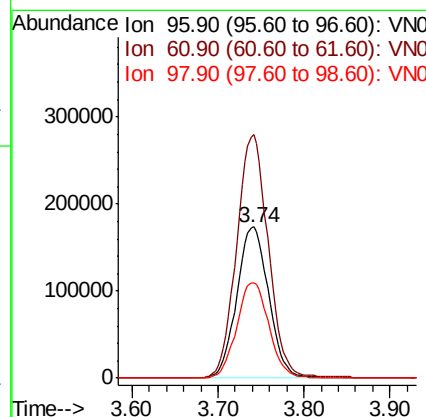
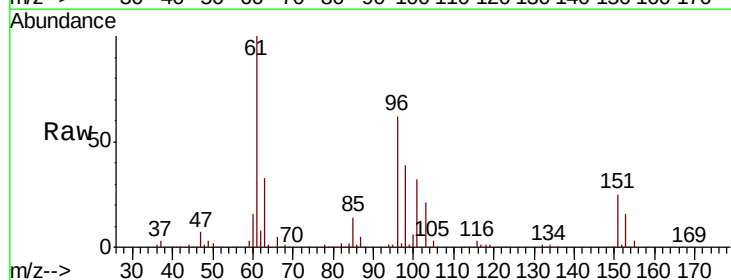
Tot Ion: 59 Resp: 140031
 Ion Ratio Lower Upper
 59 100
 57 9.7 7.9 11.9

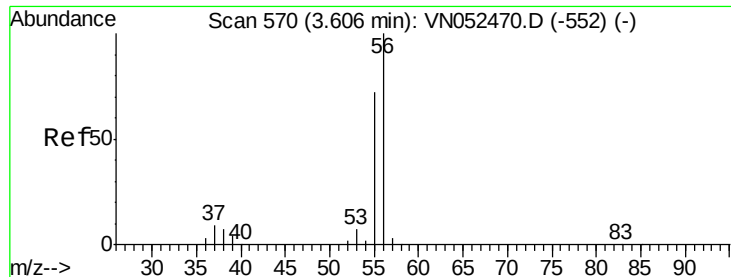


#12

1,1-Dichloroethene
 Concen: 46.209 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 96 Resp: 448918
 Ion Ratio Lower Upper
 96 100
 61 161.0 127.0 190.6
 98 62.8 50.3 75.5





#13

Acrolein

Concen: 160.189 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

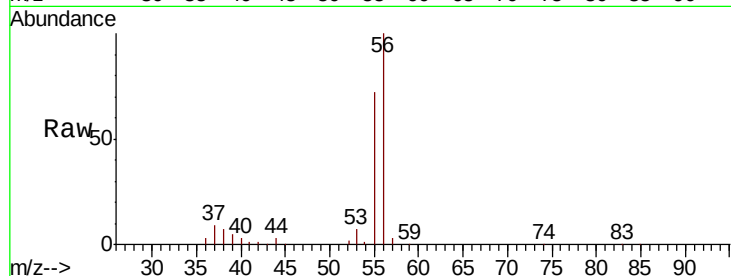
VSTDCCC050

Tot Ion: 56 Resp: 157390

Ion Ratio Lower Upper

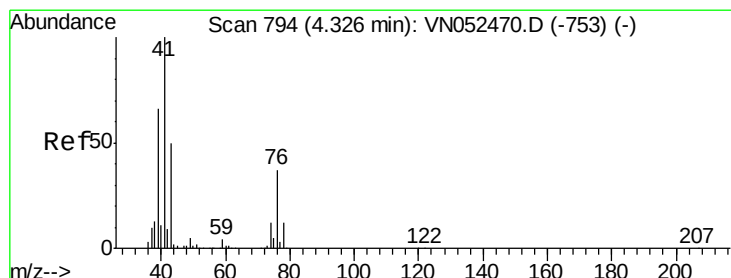
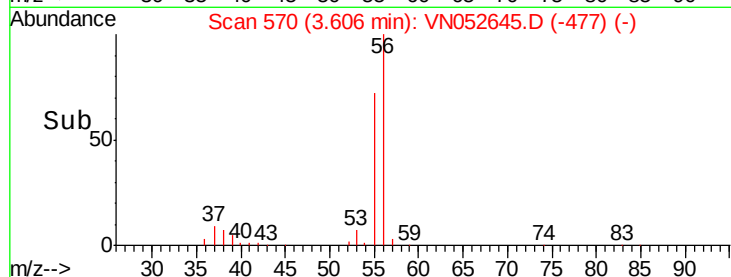
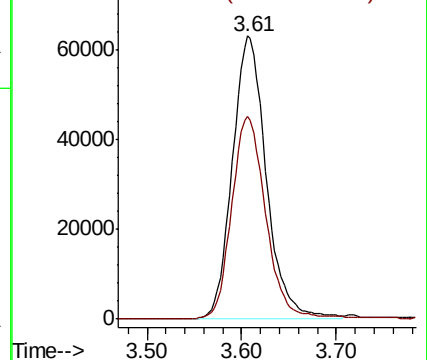
56 100

55 72.1 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: 47.058 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

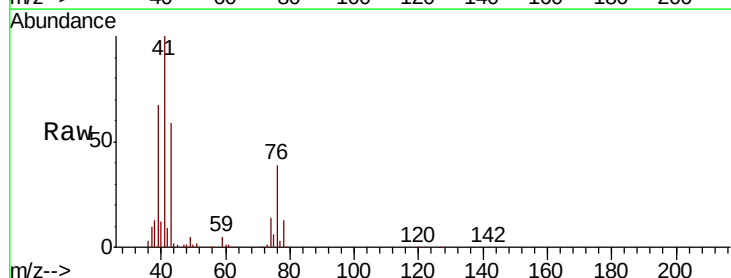
Tgt Ion: 41 Resp: 787920

Ion Ratio Lower Upper

41 100

39 64.1 50.6 76.0

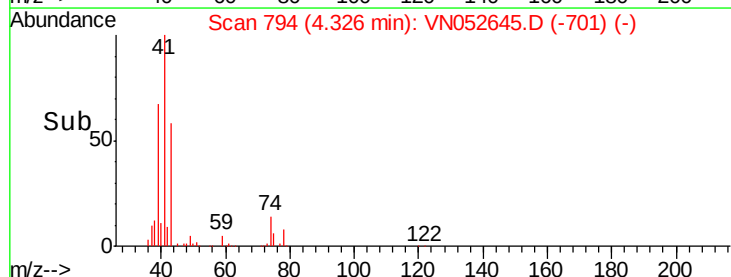
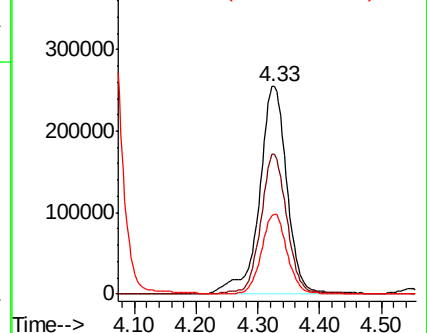
76 35.2 27.4 41.2

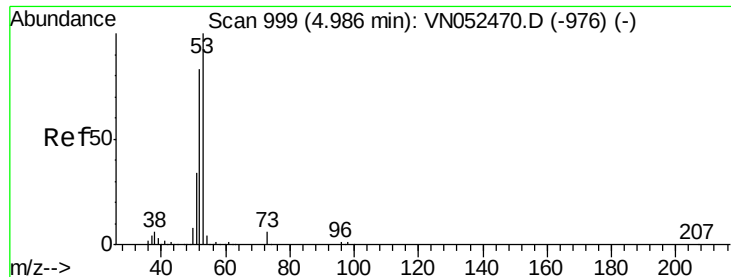


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 244.823 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

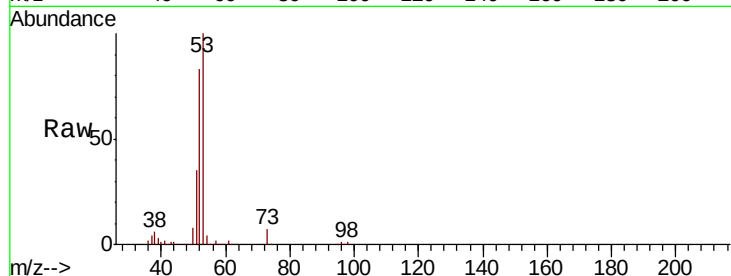
MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 53 Resp: 876109

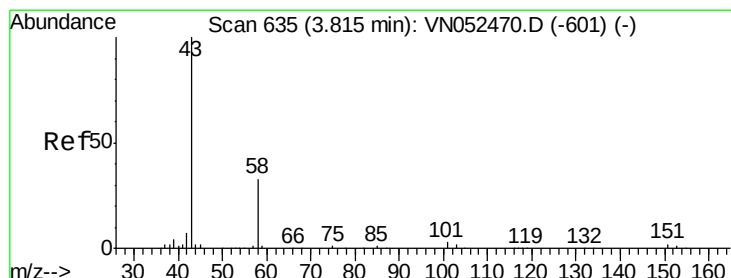
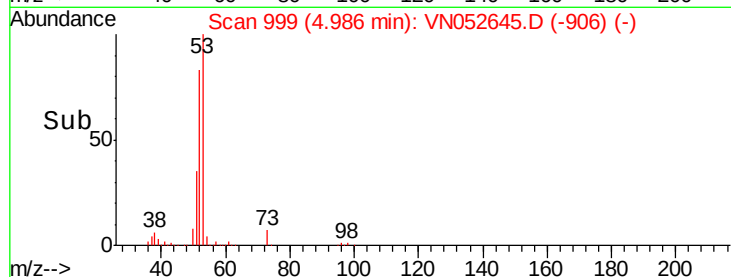
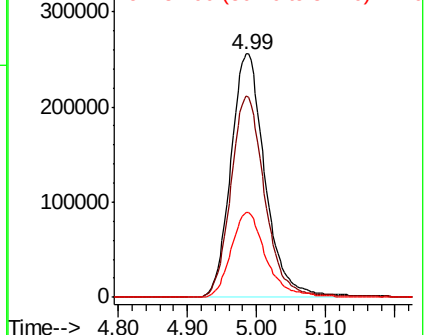
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	35.9	28.1	42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 256.614 ug/l

RT: 3.82 min Scan# 635

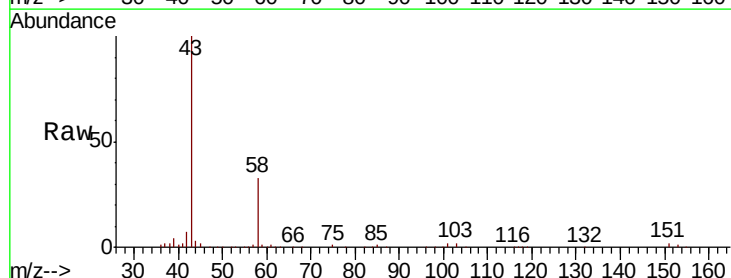
Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

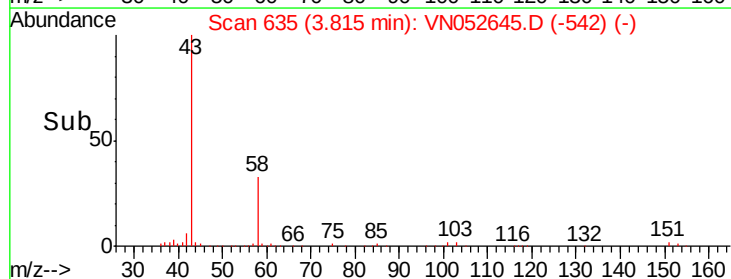
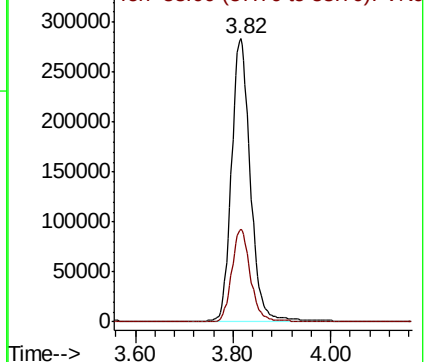
Tgt Ion: 43 Resp: 764305

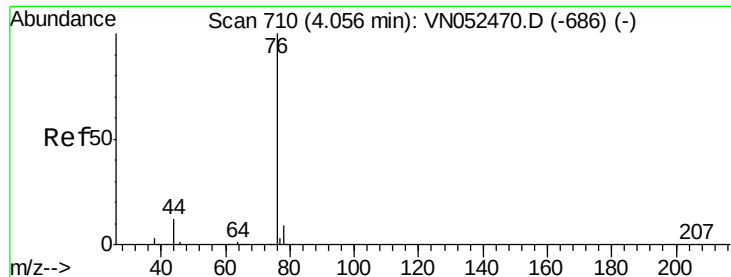
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

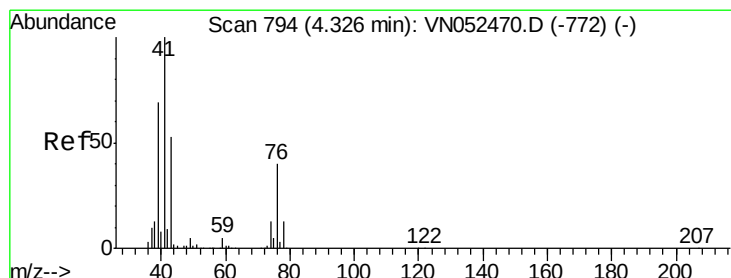
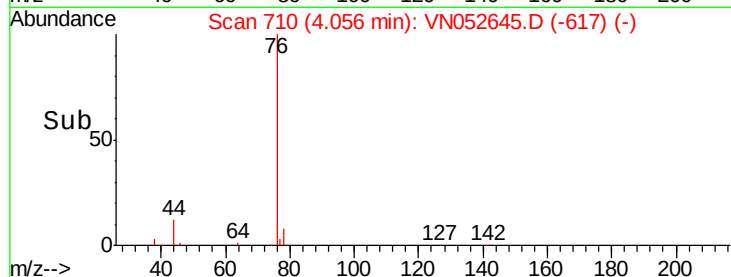
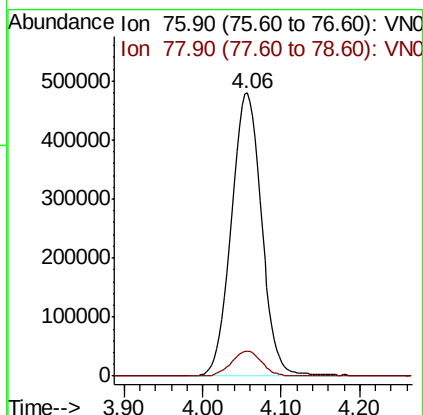
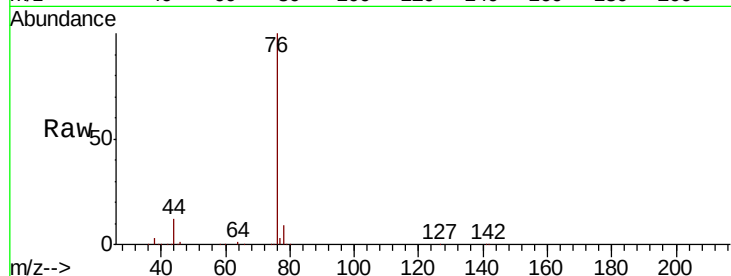




#17
Carbon Disulfide
Concen: 42.111 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

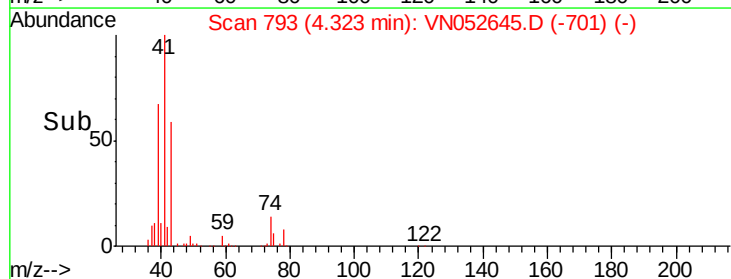
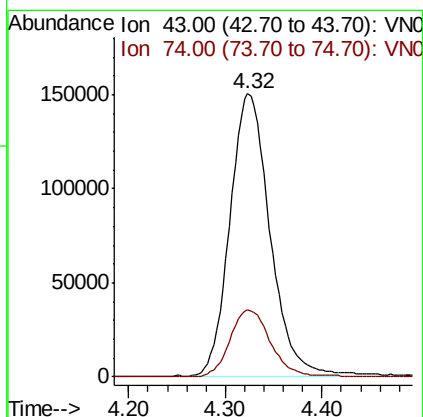
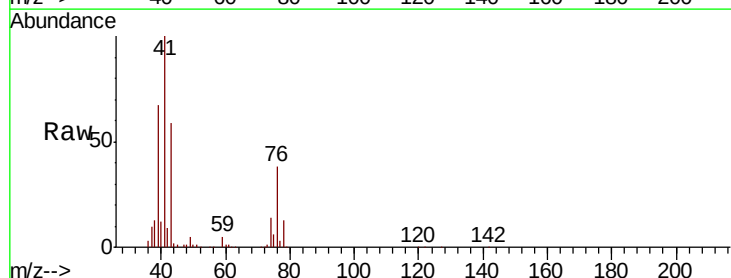
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

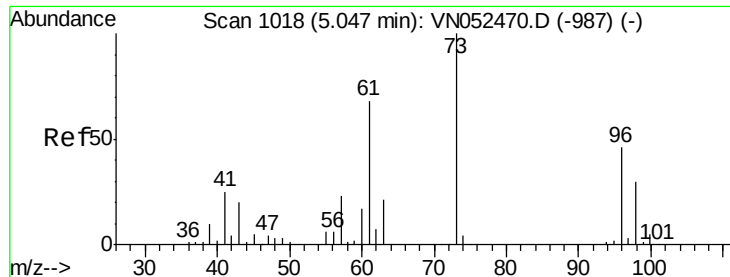
Tot Ion: 76 Resp: 1287448
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 50.299 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 43 Resp: 429728
Ion Ratio Lower Upper
43 100
74 24.5 18.6 27.8



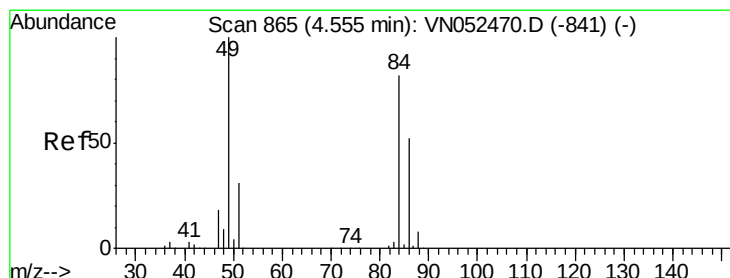
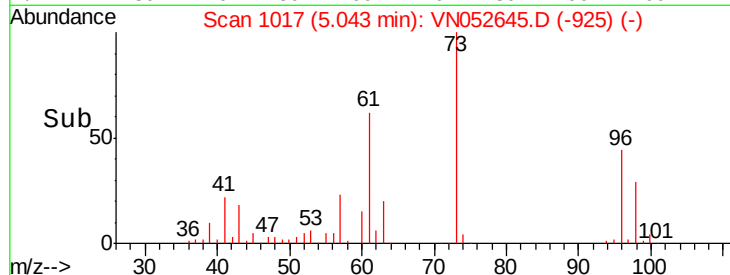
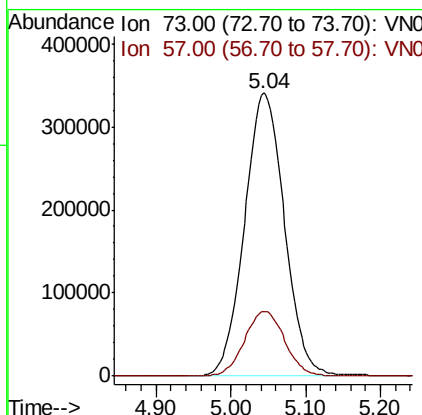
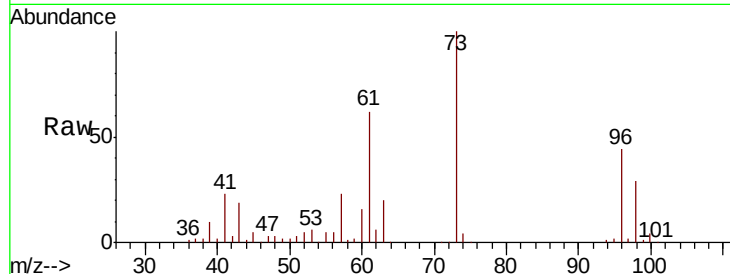


#19

Methyl tert-butyl Ether
 Concen: 48.855 ug/l
 RT: 5.04 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

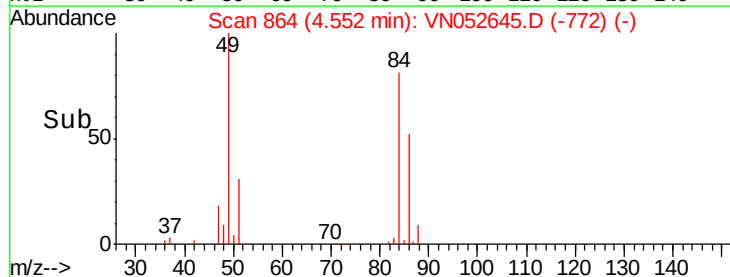
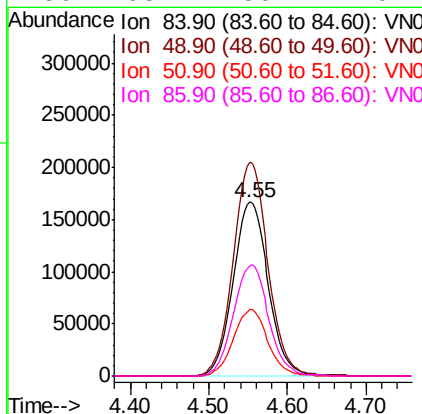
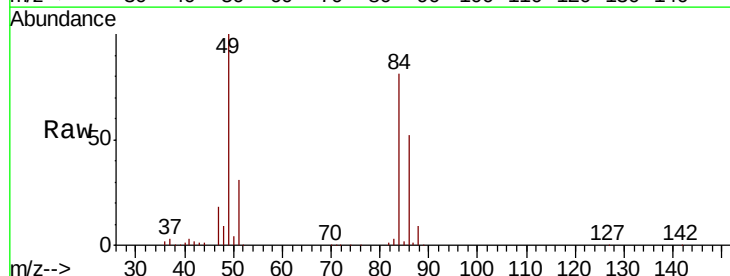
Tot Ion: 73 Resp: 1262804
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.2 27.2

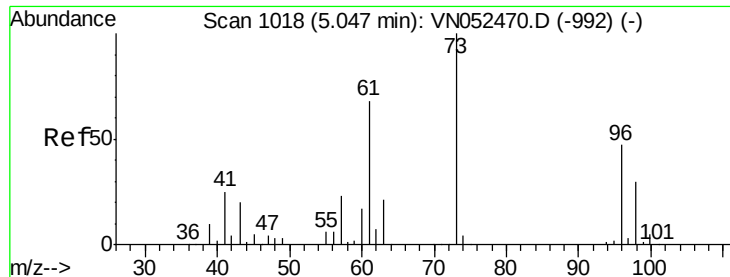


#20

Methylene Chloride
 Concen: 44.614 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 84 Resp: 519996
 Ion Ratio Lower Upper
 84 100
 49 122.8 98.0 147.0
 51 38.2 30.1 45.1
 86 63.4 50.7 76.1

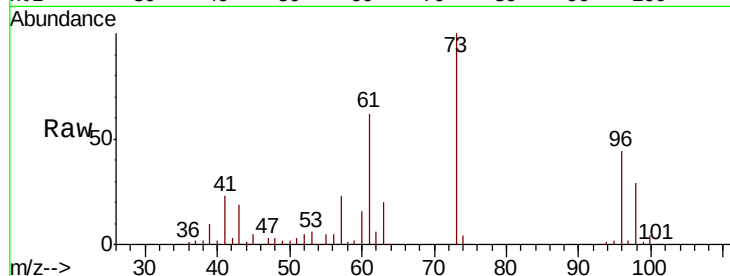




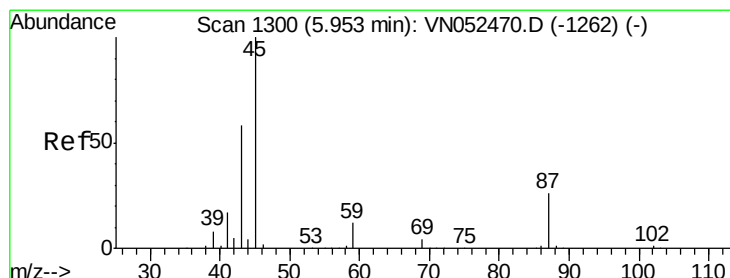
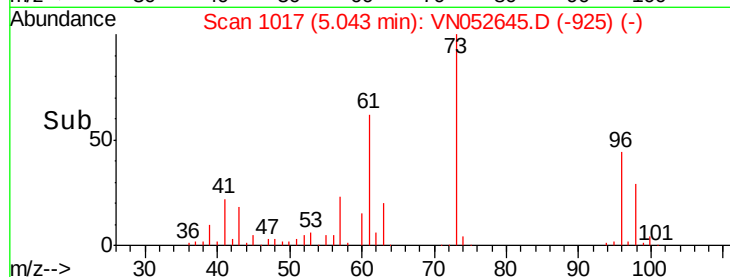
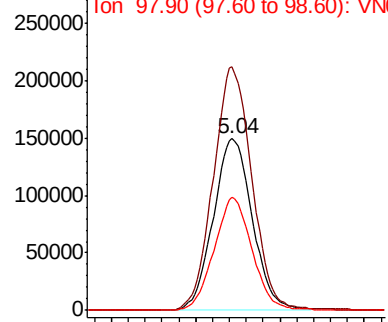
#21
trans-1,2-Dichloroethene
Concen: 46.424 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 481684
Ion Ratio Lower Upper
96 100
61 141.8 117.0 175.4
98 65.9 51.8 77.6

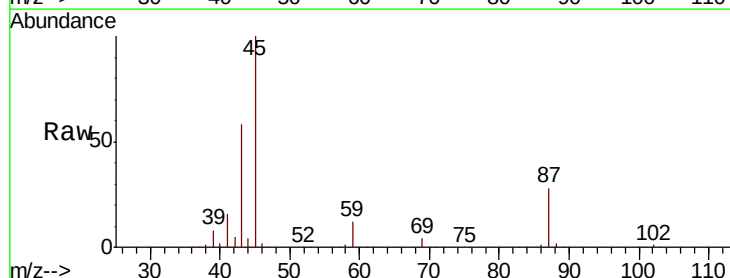


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

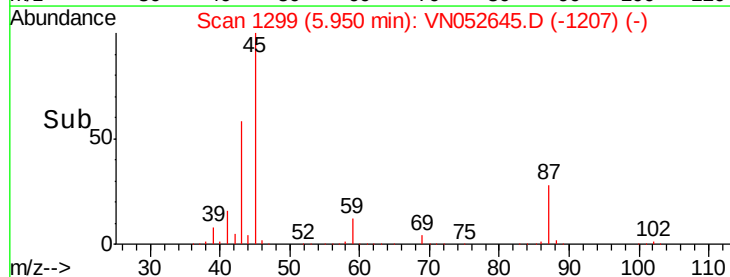
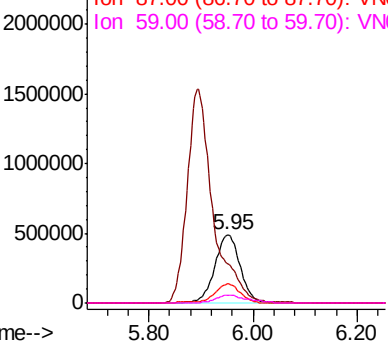


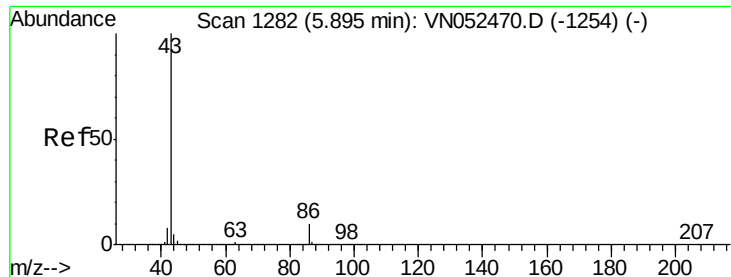
#22
Diisopropyl ether
Concen: 47.207 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 45 Resp: 1660314
Ion Ratio Lower Upper
45 100
43 58.0 46.1 69.1
87 27.7 21.3 31.9
59 11.5 9.5 14.3



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





#23

Vinyl Acetate

Concen: 242.182 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

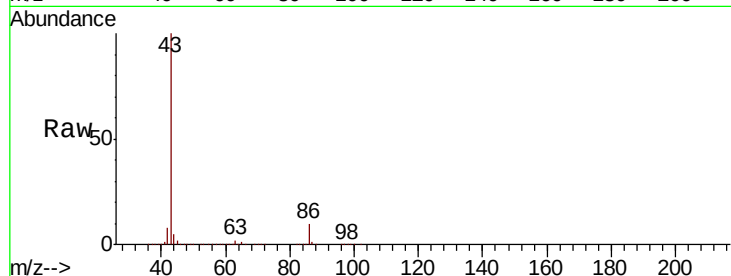
VSTDCCC050

Tot Ion: 43 Resp: 5305284

Ion Ratio Lower Upper

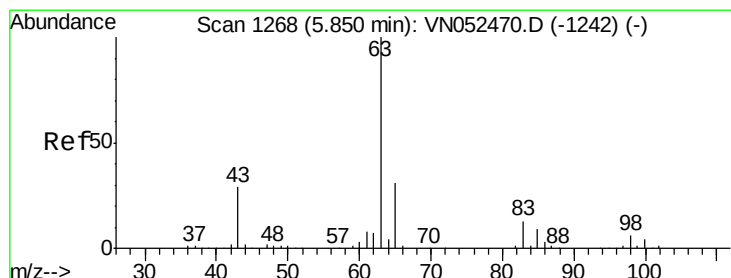
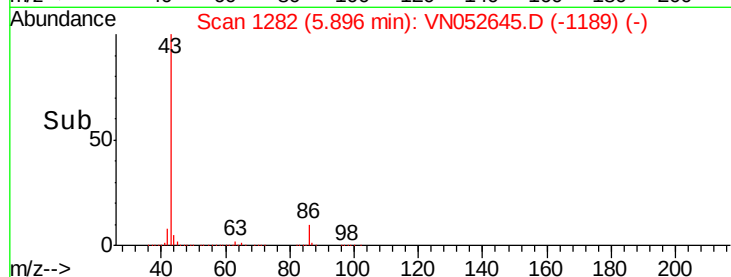
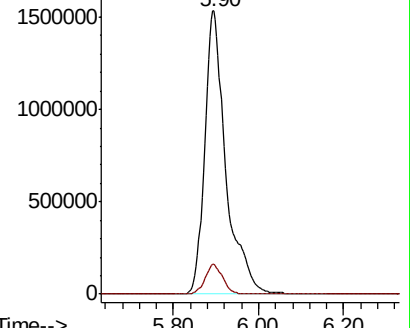
43 100

86 10.4 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) (-)



#24

1,1-Dichloroethane

Concen: 46.863 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

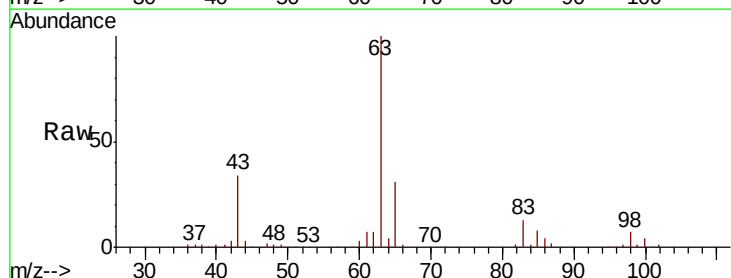
Tgt Ion: 63 Resp: 941069

Ion Ratio Lower Upper

63 100

98 6.6 3.0 9.2

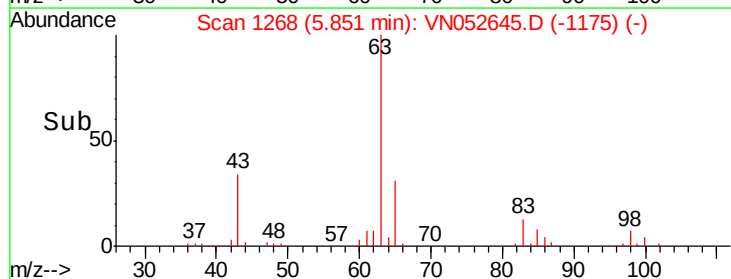
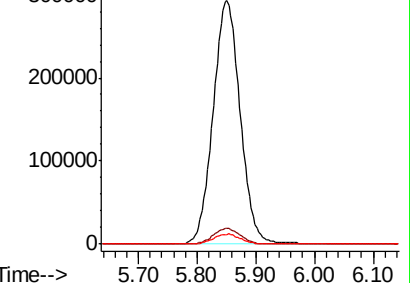
100 4.1 2.0 5.8

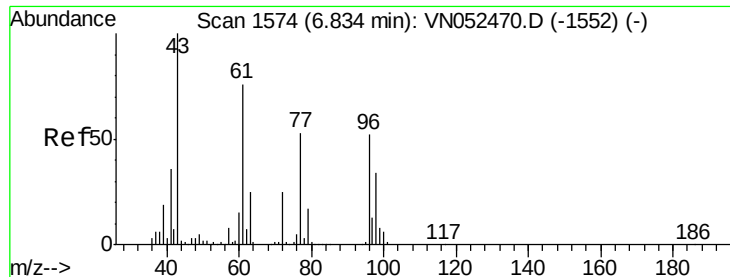


Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-1242) (-)

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

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

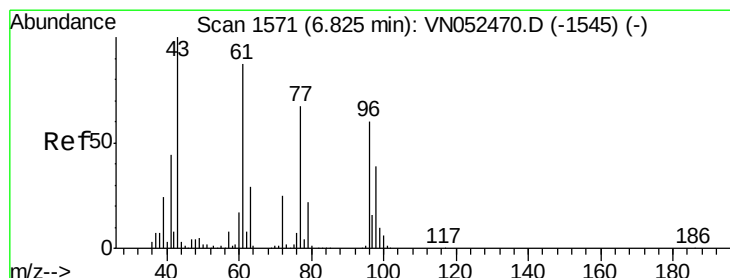
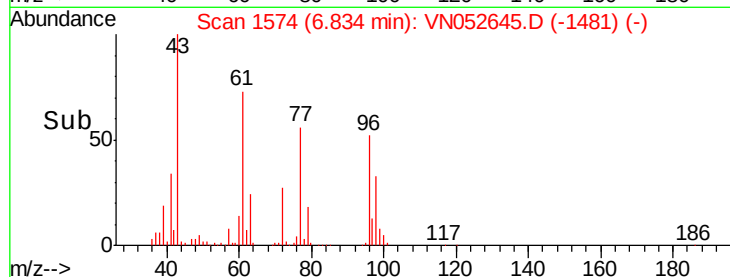
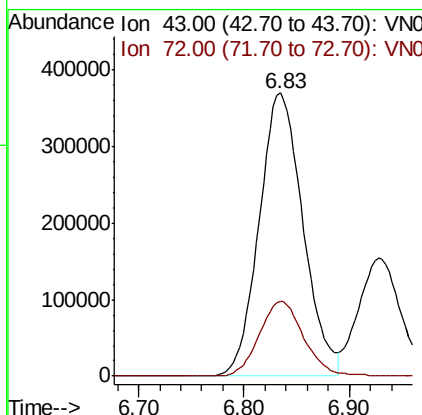
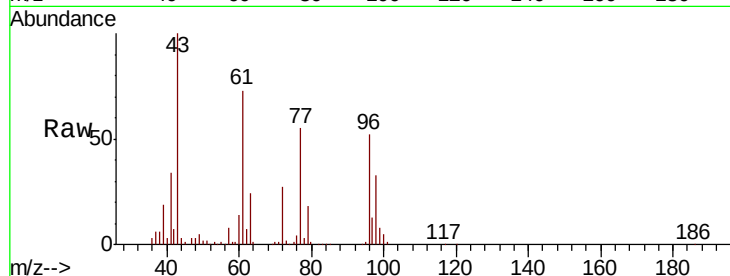




#25
2-Butanone
Concen: 252.730 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

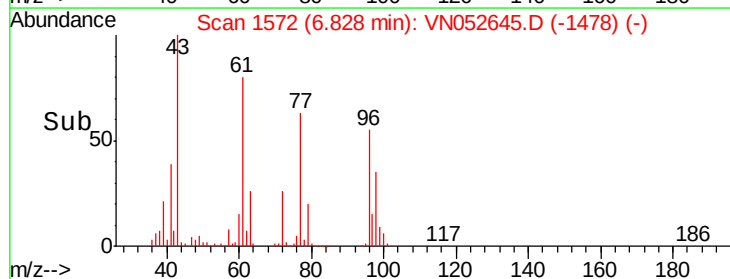
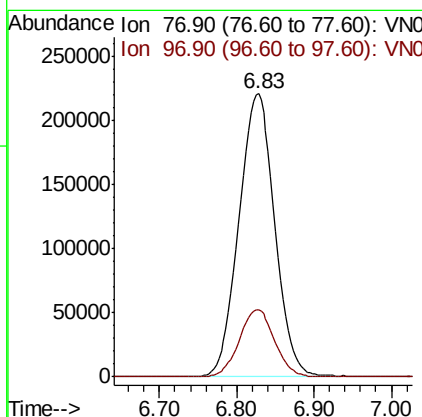
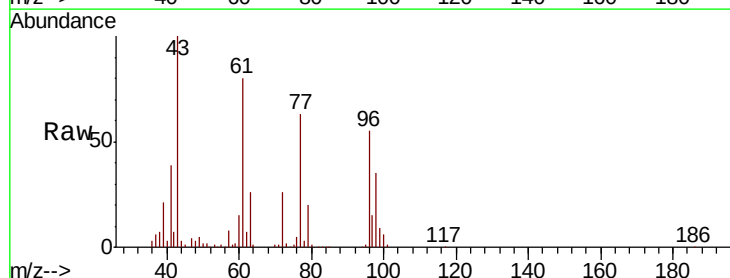
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

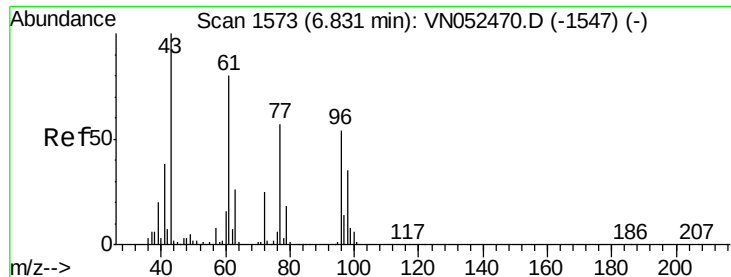
Tot Ion: 43 Resp: 1066929
Ion Ratio Lower Upper
43 100
72 26.6 20.1 30.1



#26
2,2-Dichloropropane
Concen: 51.168 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 77 Resp: 711211
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.872 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

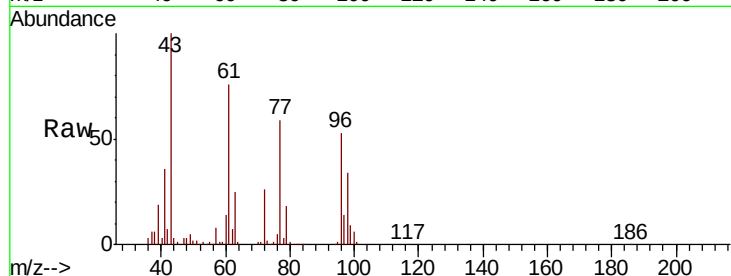
Tot Ion: 96 Resp: 566517

Ion Ratio Lower Upper

96 100

61 146.4 0.0 291.0

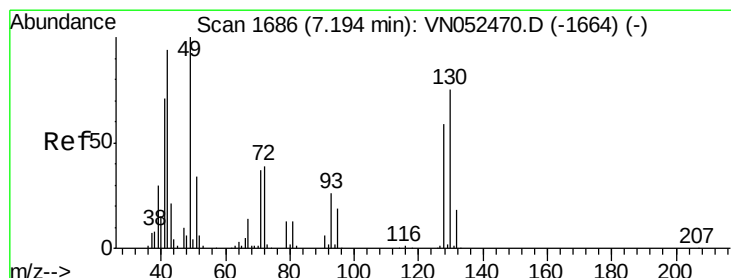
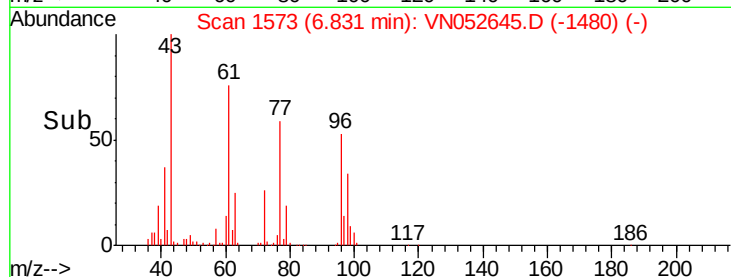
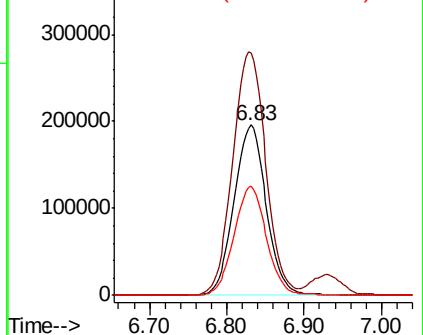
98 64.9 0.0 130.0



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: 46.547 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

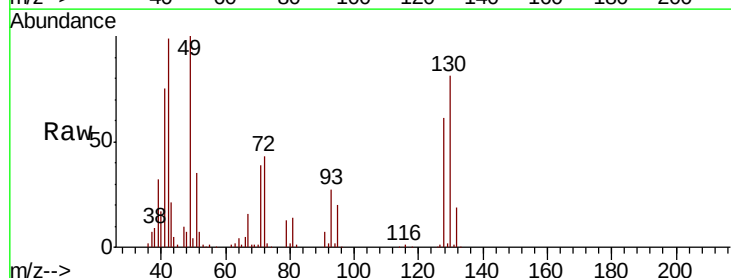
Tgt Ion: 49 Resp: 426934

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.8

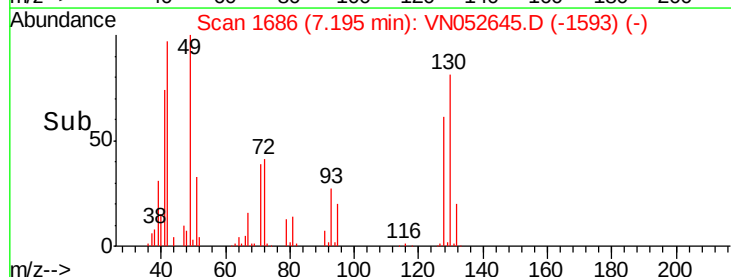
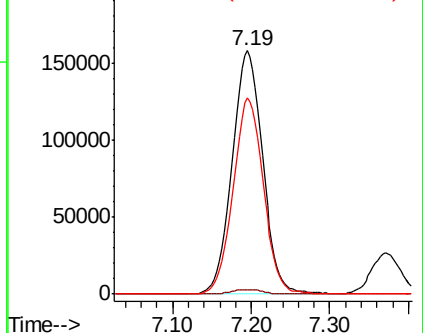
130 79.8 60.2 90.2

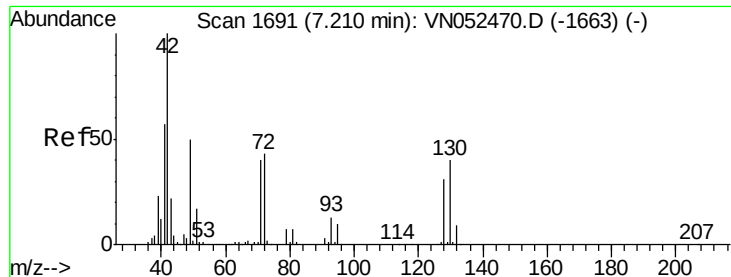


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

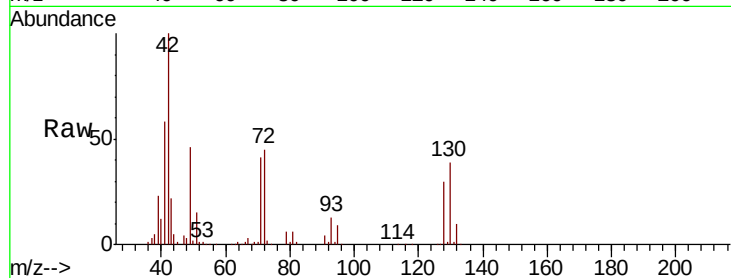




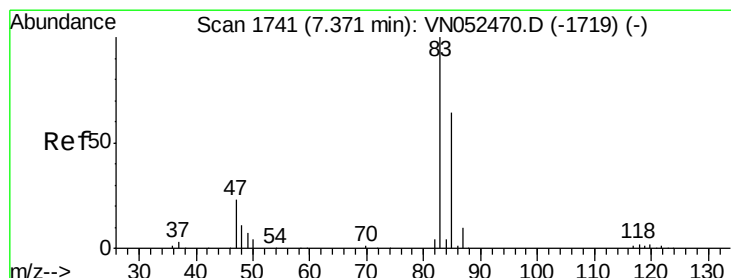
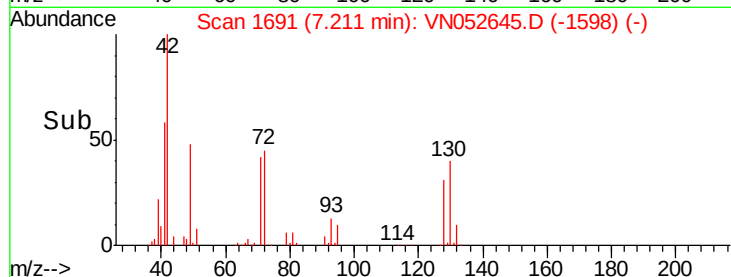
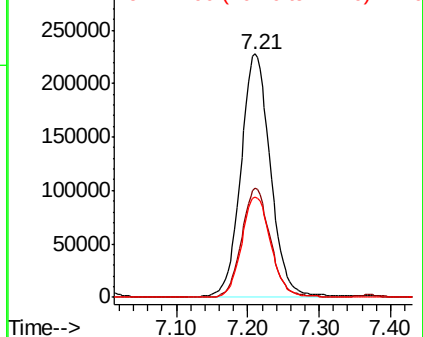
#29
Tetrahydrofuran
Concen: 240.795 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 655666
Ion Ratio Lower Upper
42 100
72 43.8 33.3 49.9
71 40.8 32.0 48.0

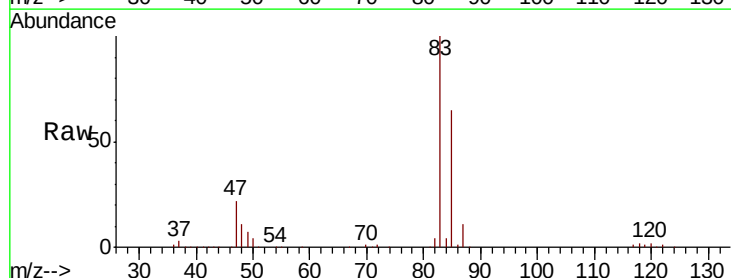


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

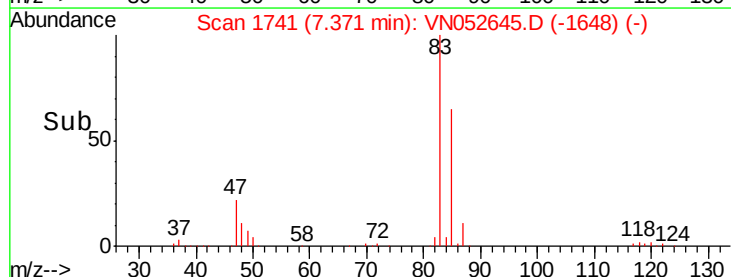
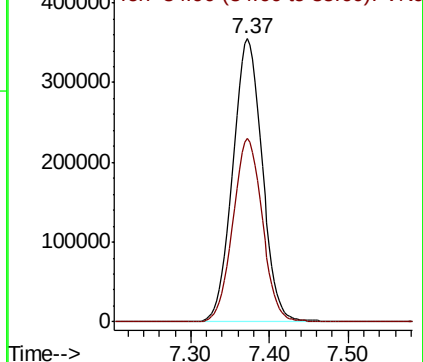


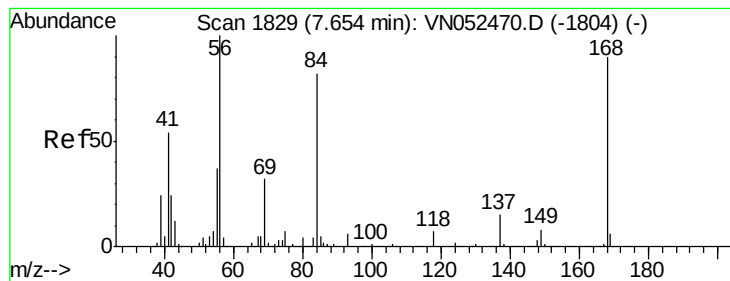
#30
Chloroform
Concen: 46.309 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 83 Resp: 927806
Ion Ratio Lower Upper
83 100
85 64.8 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: 44.660 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

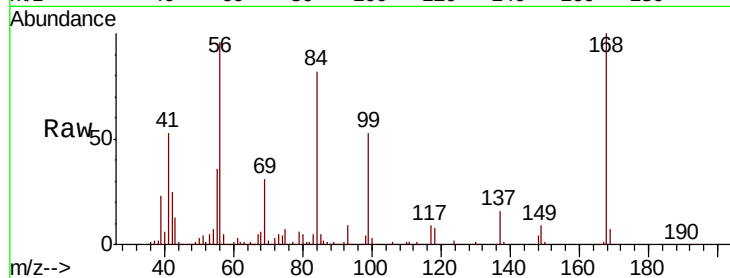
Tot Ion: 56 Resp: 868799

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.6

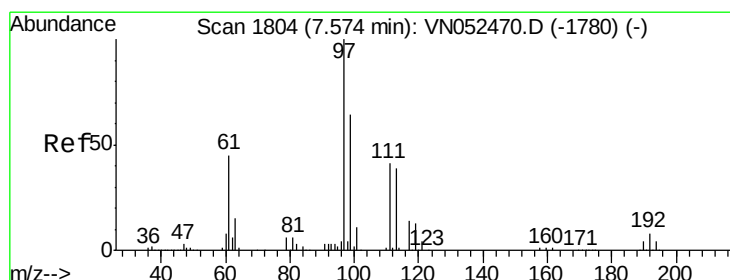
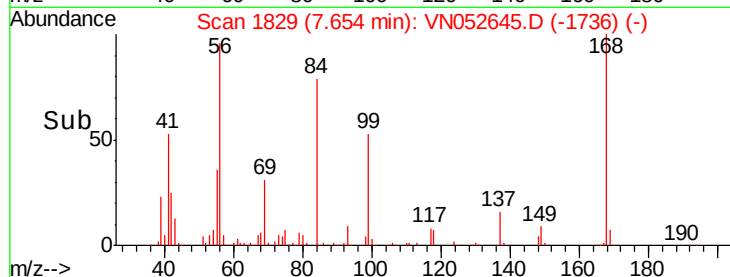
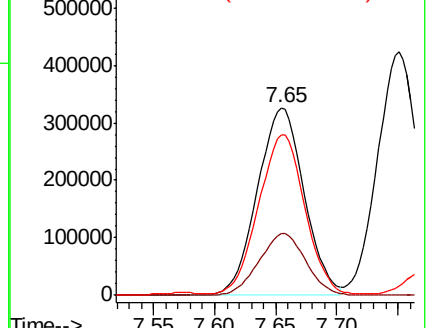
84 84.2 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052645.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052645.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052645.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 48.646 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

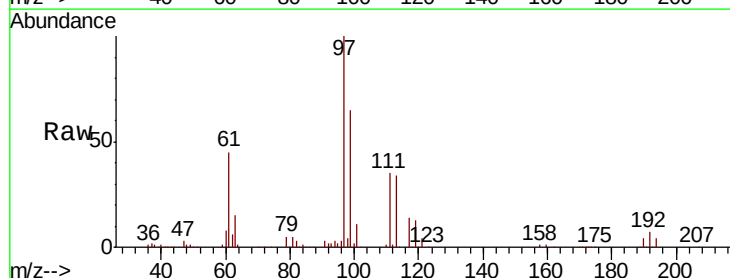
Tgt Ion: 97 Resp: 772198

Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

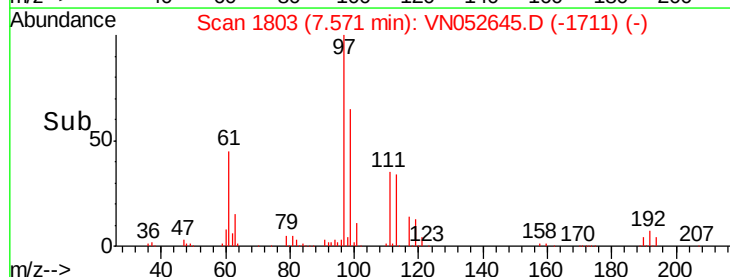
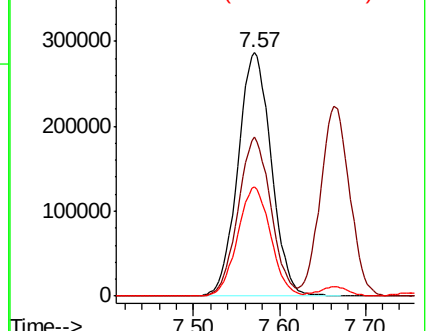
61 44.5 36.8 55.2

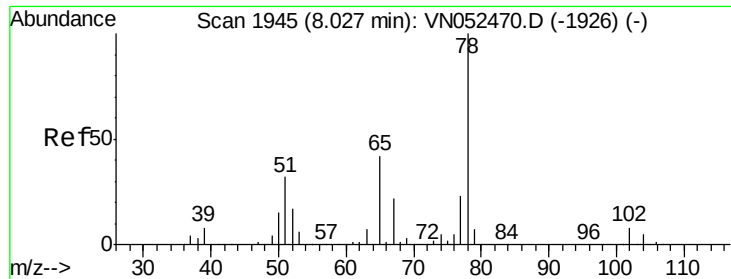


Abundance Ion 96.90 (96.60 to 97.60): VN052645.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052645.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052645.D (-1711) (-)





#33

1,2-Dichloroethane-d4

Concen: 48.646 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

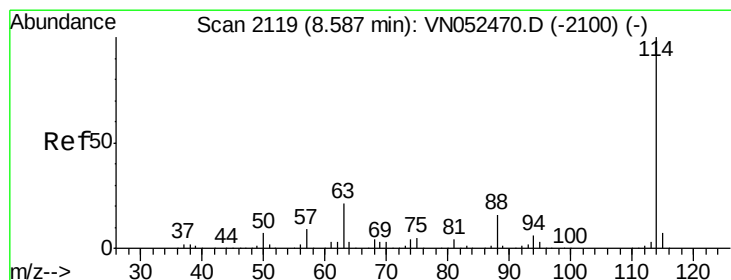
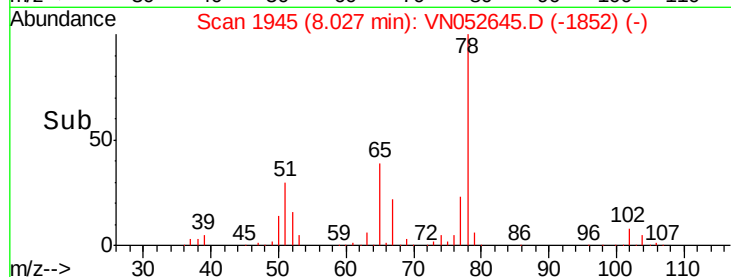
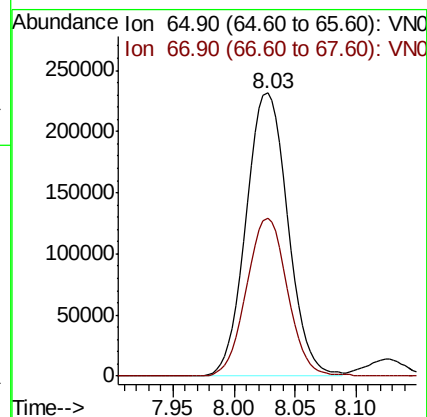
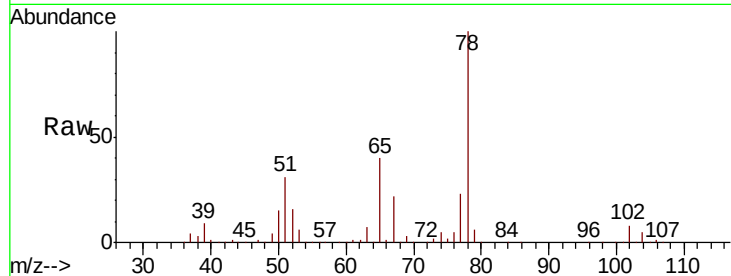
VSTDCCC050

Tot Ion: 65 Resp: 549100

Ion Ratio Lower Upper

65 100

67 54.9 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: VN052645.D

Acq: 4 Dec 2018 10:47

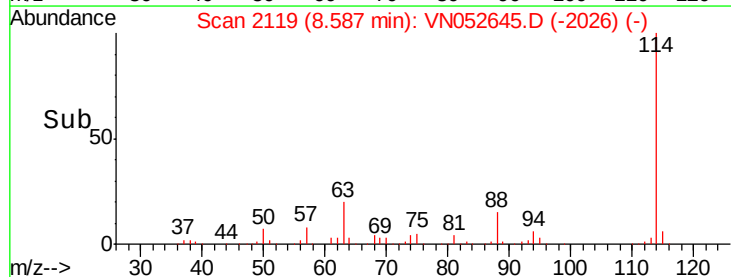
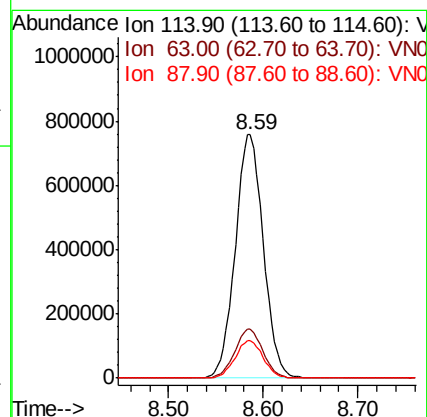
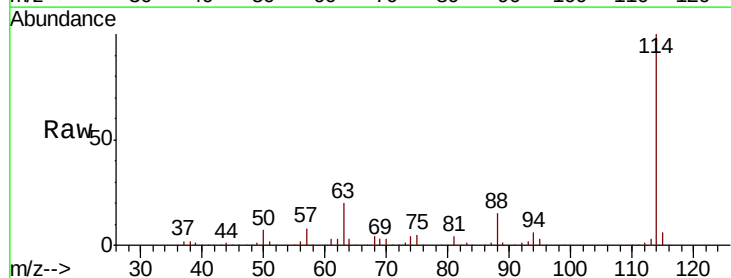
Tgt Ion: 114 Resp: 1562935

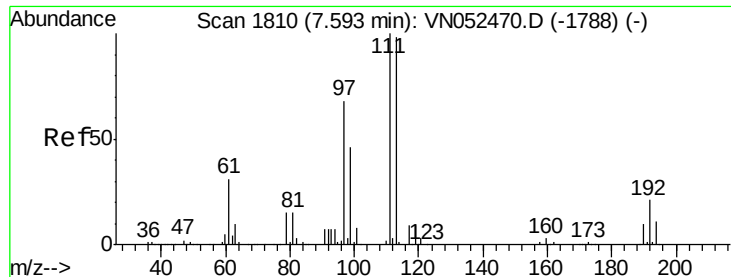
Ion Ratio Lower Upper

114 100

63 20.1 0.0 41.8

88 15.2 0.0 31.6

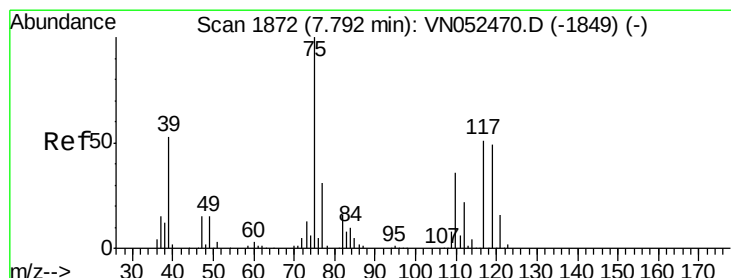
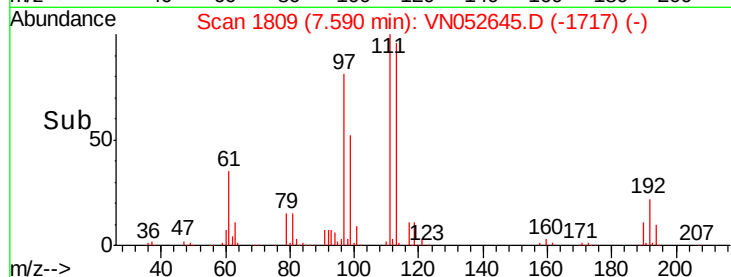
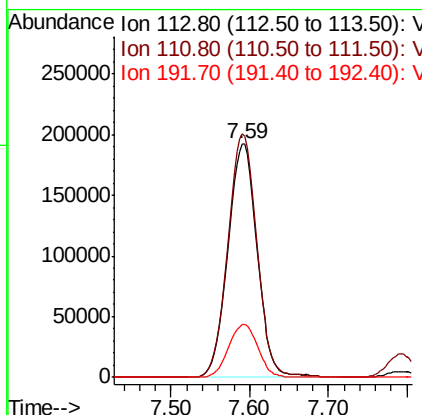
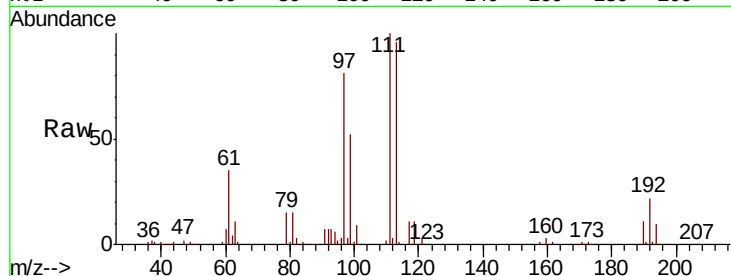




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

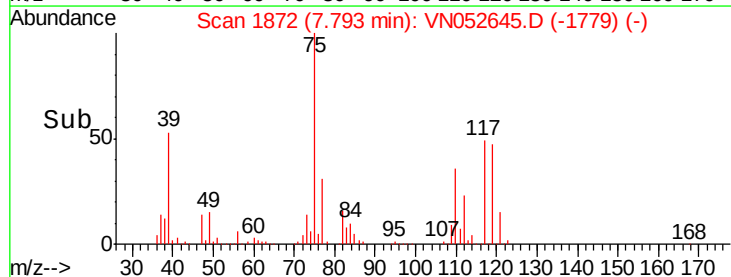
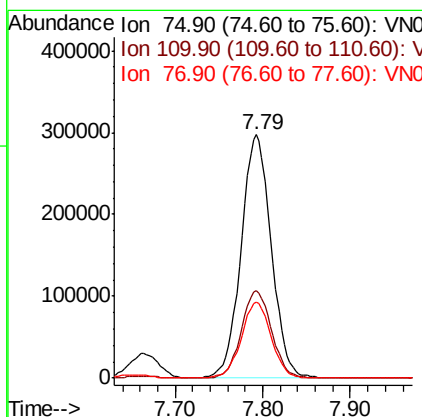
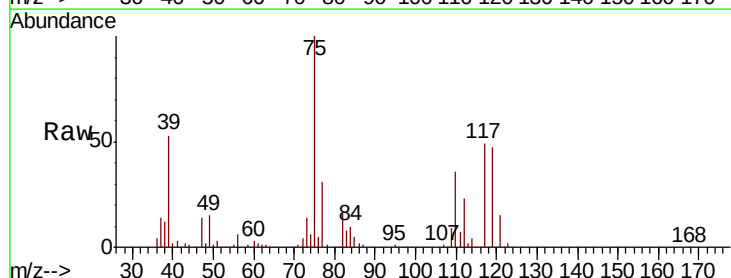
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

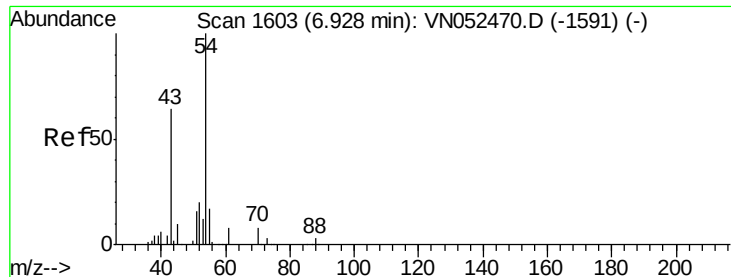
Tot Ion:113 Resp: 495629
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.0 123.0
 192 22.6 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 47.907 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 75 Resp: 707070
 Ion Ratio Lower Upper
 75 100
 110 36.1 17.5 52.6
 77 31.4 24.5 36.7

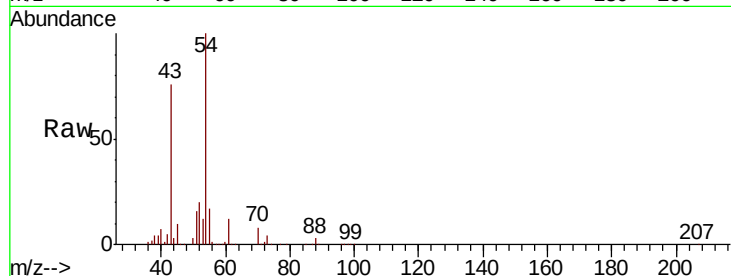




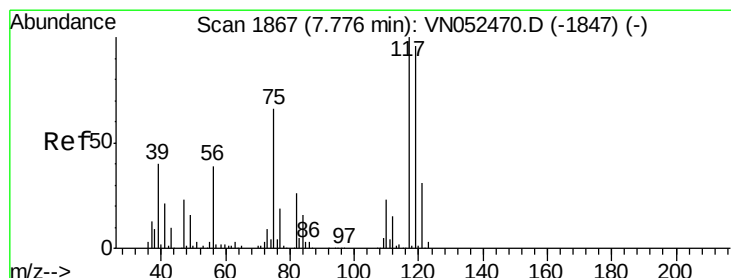
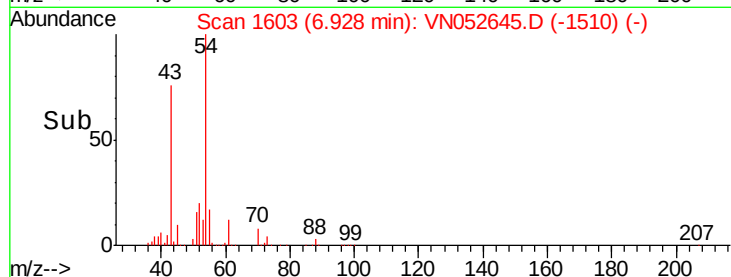
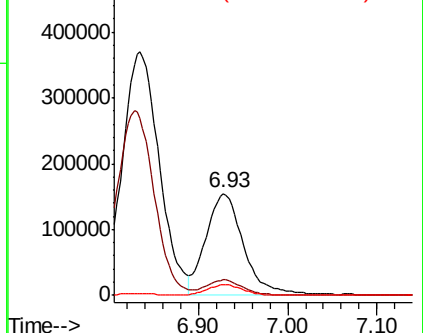
#37
Ethyl Acetate
Concen: 49.382 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 444809
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 10.4 7.8 11.8

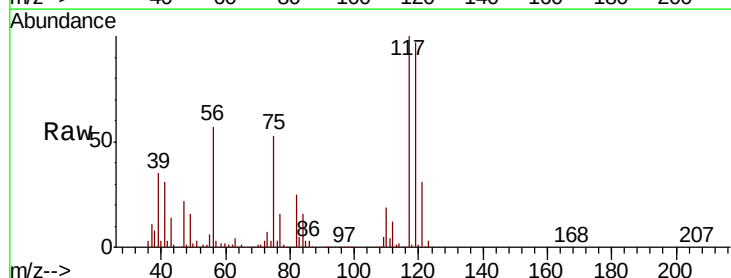


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

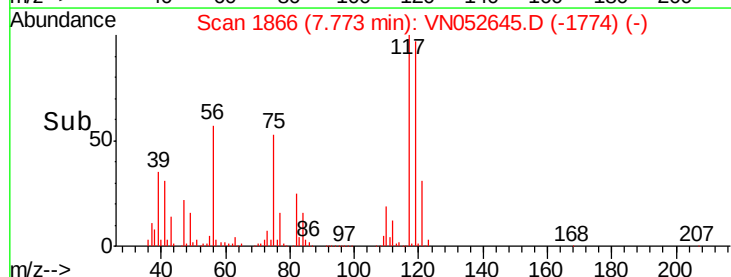
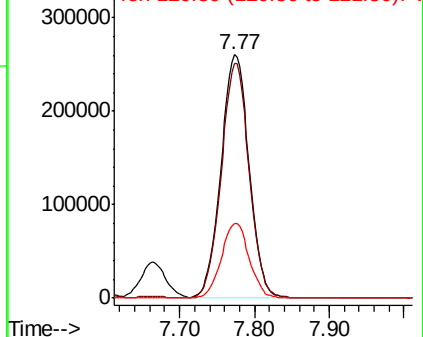


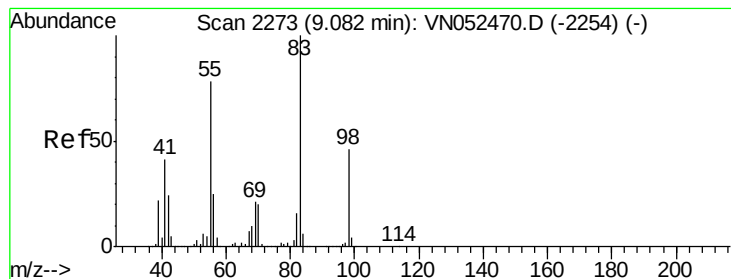
#38
Carbon Tetrachloride
Concen: 50.715 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 117 Resp: 677608
Ion Ratio Lower Upper
117 100
119 96.6 76.8 115.2
121 30.7 24.9 37.3



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





#39

Methylvlcyclohexane

Concen: 49.186 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

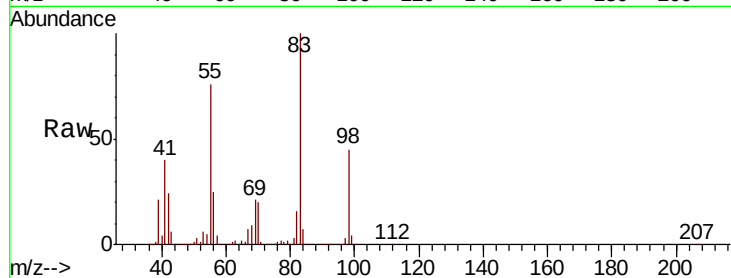
Tot Ion: 83 Resp: 882352

Ion Ratio Lower Upper

83 100

55 76.1 62.2 93.2

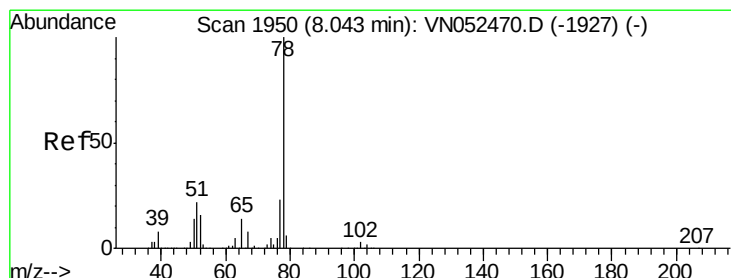
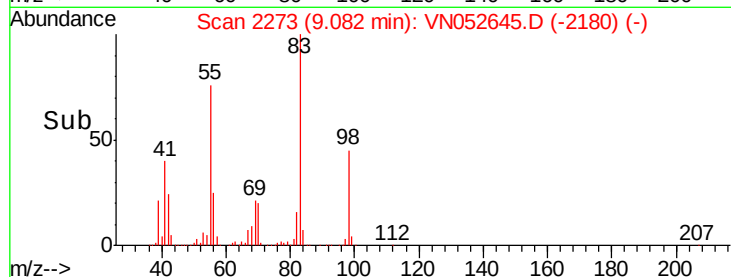
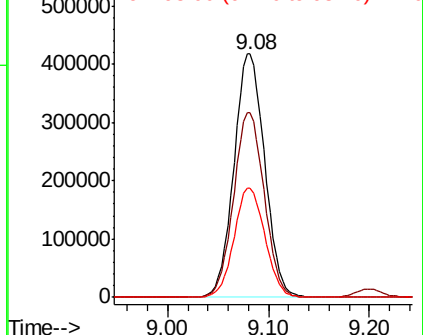
98 44.7 36.4 54.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40

Benzene

Concen: 48.679 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN052645.D

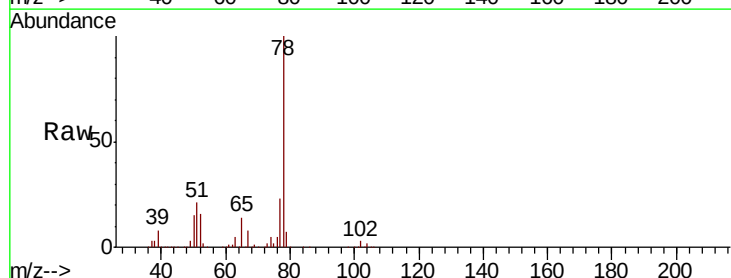
Acq: 4 Dec 2018 10:47

Tgt Ion: 78 Resp: 2141165

Ion Ratio Lower Upper

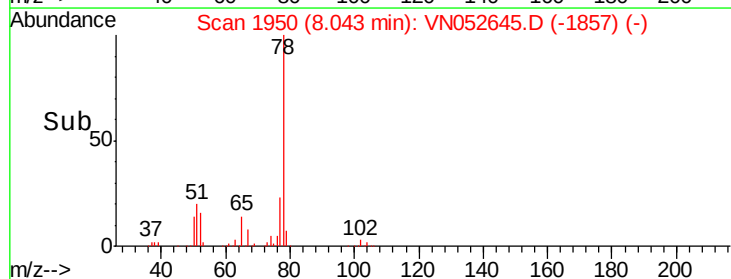
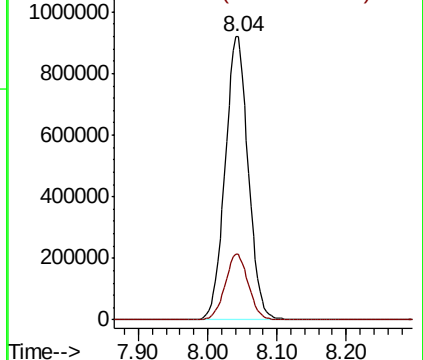
78 100

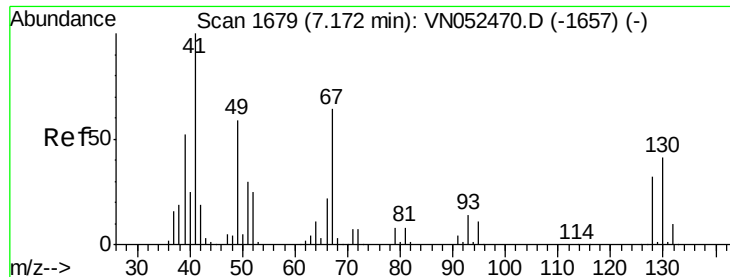
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

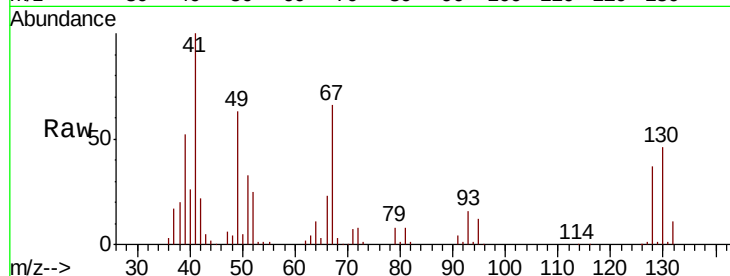




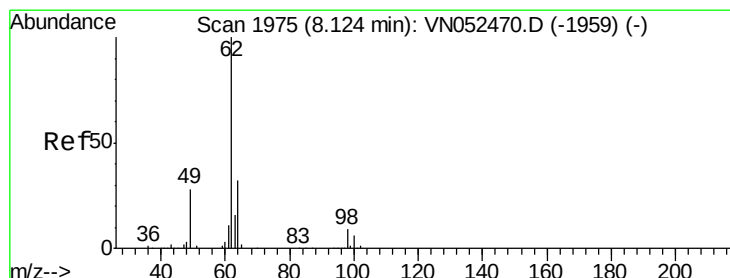
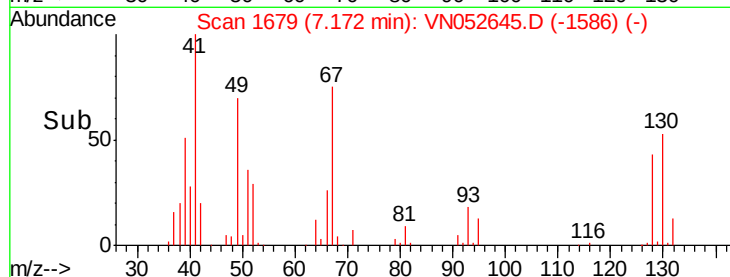
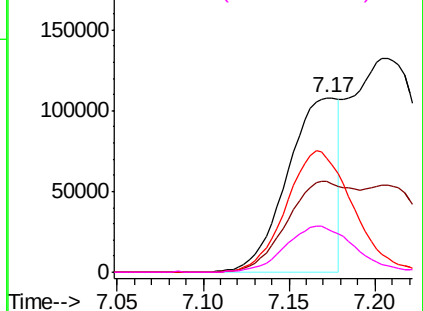
#41
Methacrylonitrile
Concen: 44.837 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	220798
Ion	Ratio	Lower	Upper
41	100		
39	69.9	50.9	76.3
67	92.8	63.6	95.4
52	36.0	24.4	36.6

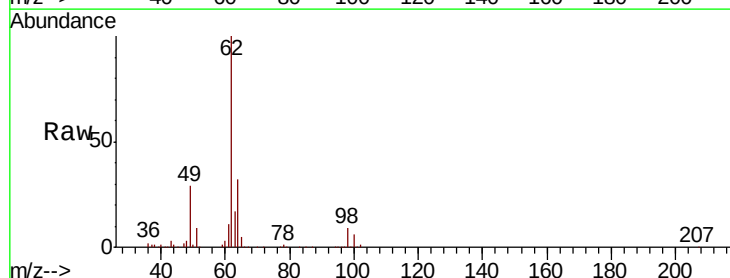


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

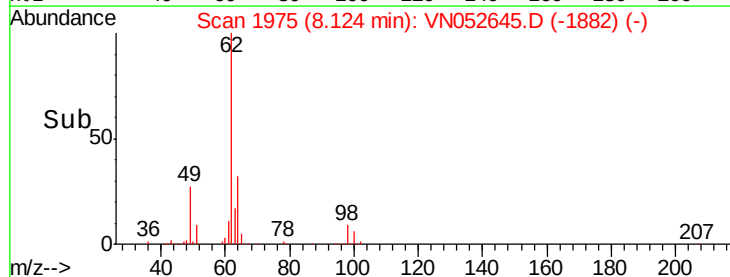
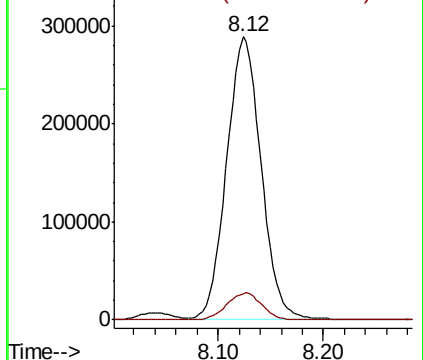


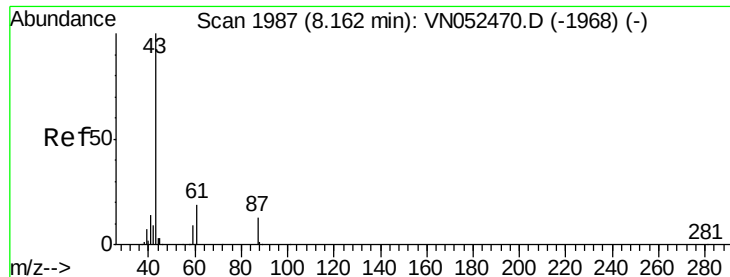
#42
1,2-Dichloroethane
Concen: 49.053 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion:	62	Resp:	653293
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.748 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

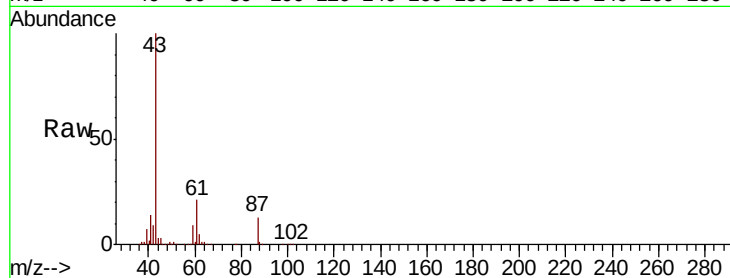
Tot Ion: 43 Resp: 804058

Ion Ratio Lower Upper

43 100

61 29.0 24.1 36.1

87 13.1 10.6 15.8

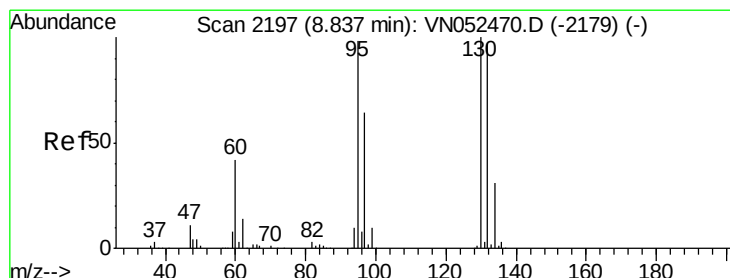
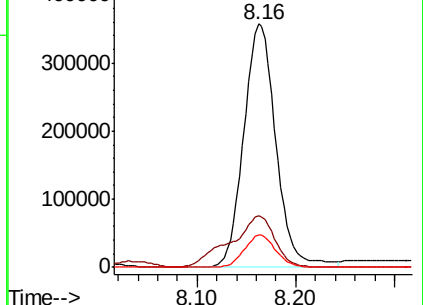
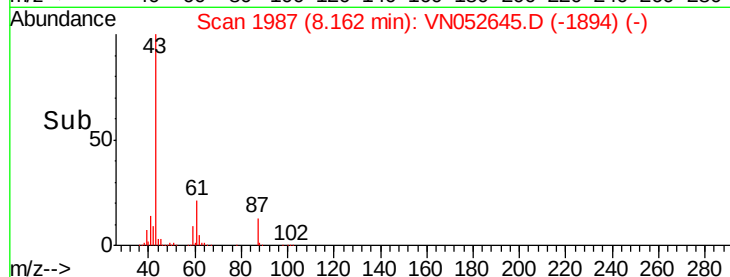


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

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: 49.811 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052645.D

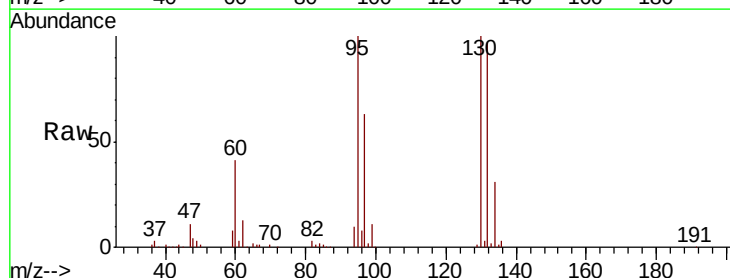
Acq: 4 Dec 2018 10:47

Tgt Ion:130 Resp: 561208

Ion Ratio Lower Upper

130 100

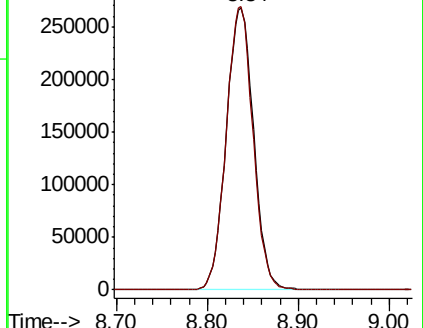
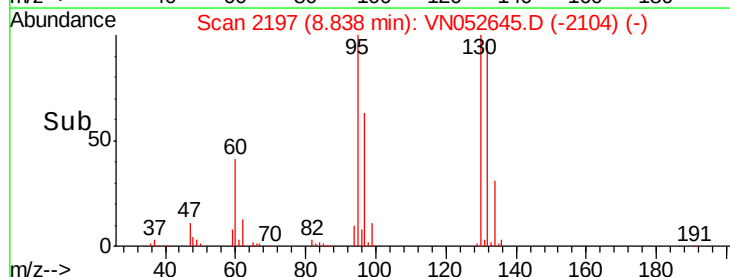
95 100.3 0.0 195.6

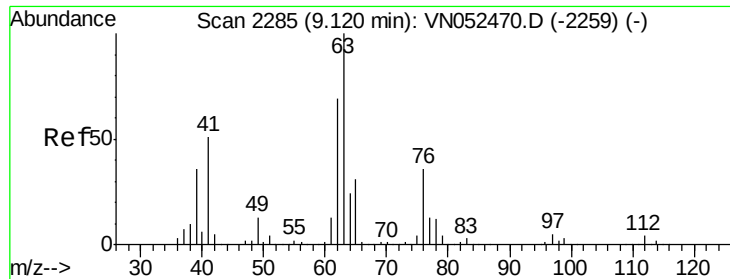


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

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

Time-->

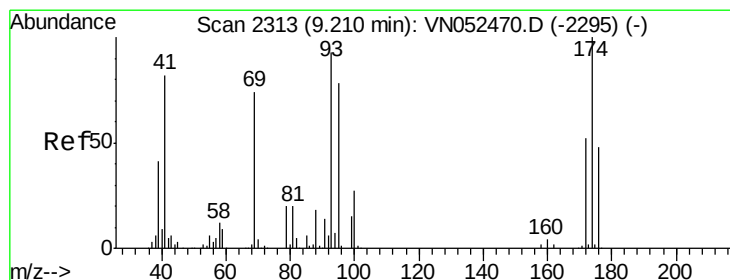
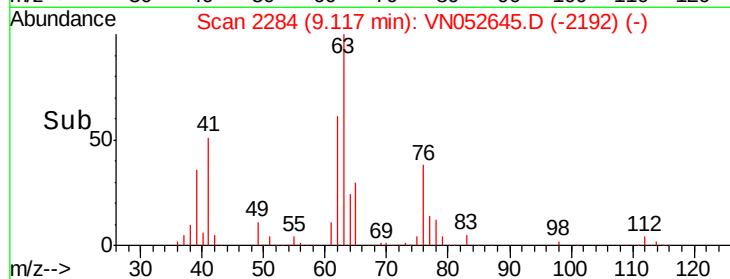
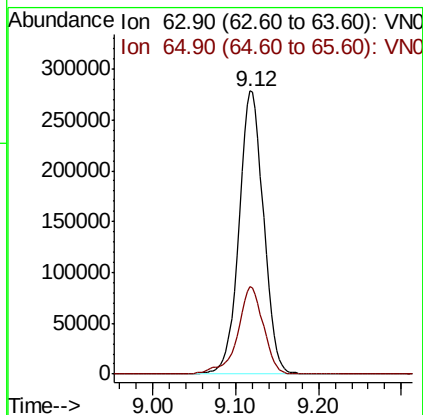
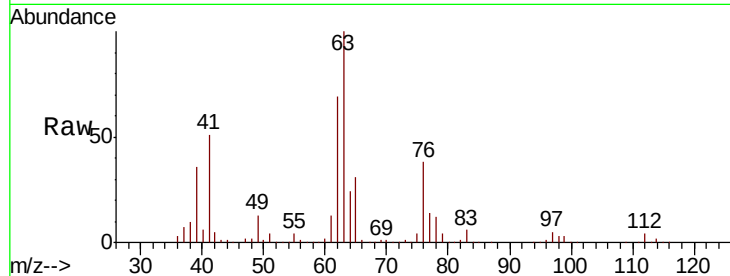




#45
 1,2-Dichloropropane
 Concen: 49.126 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

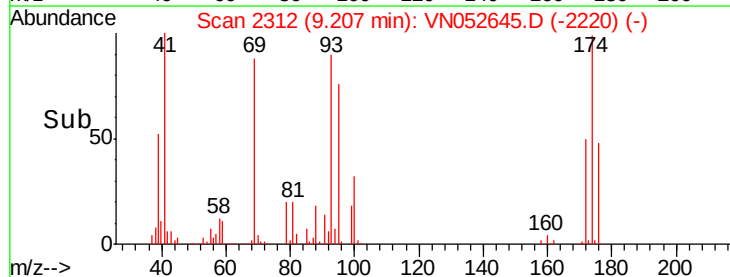
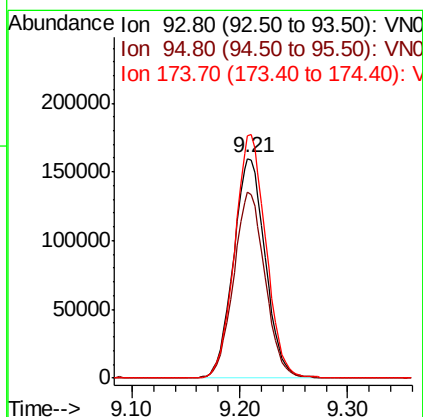
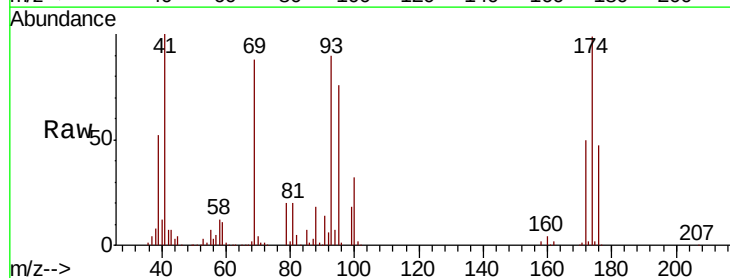
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

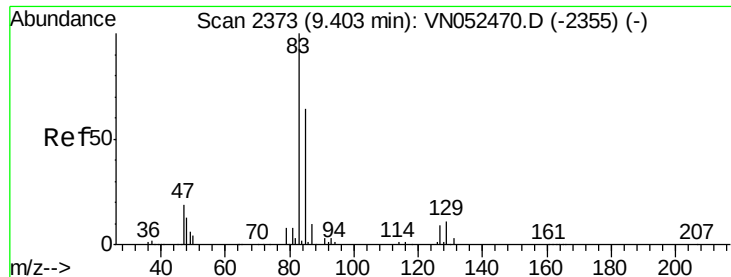
Tot Ion: 63 Resp: 574485
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.6



#46
 Dibromomethane
 Concen: 50.782 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 93 Resp: 328745
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.1 100.7
 174 109.1 85.8 128.8

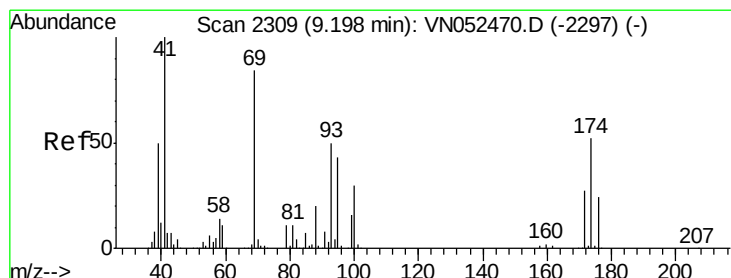
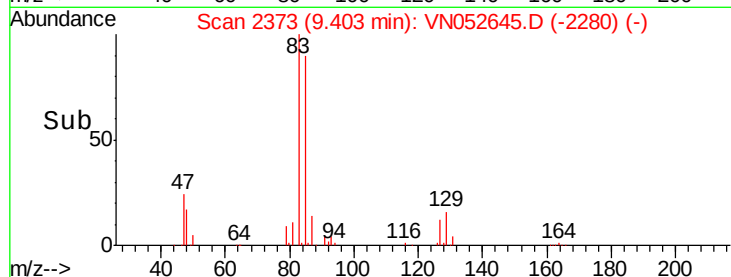
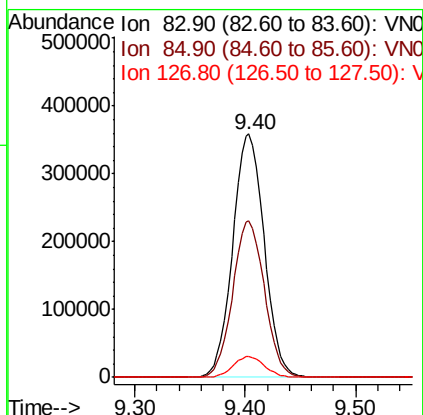
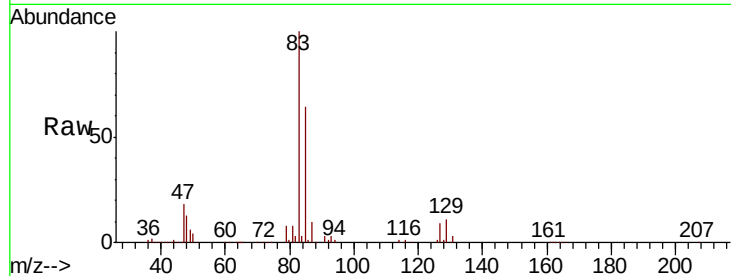




#47
Bromodichloromethane
Concen: 50.463 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

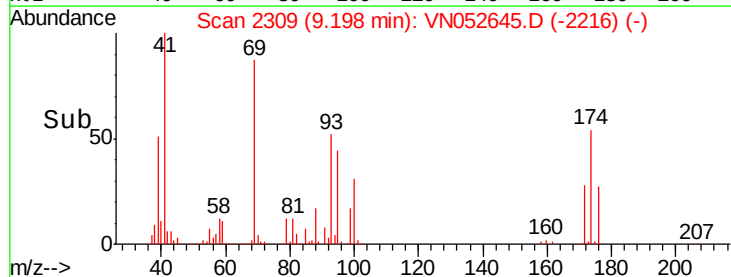
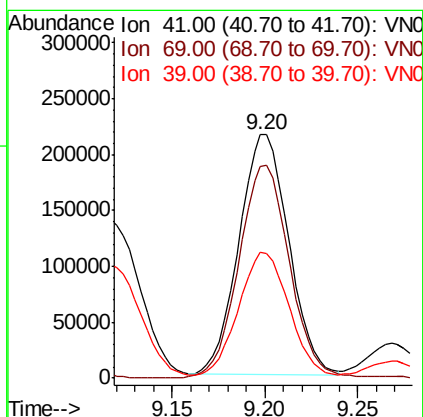
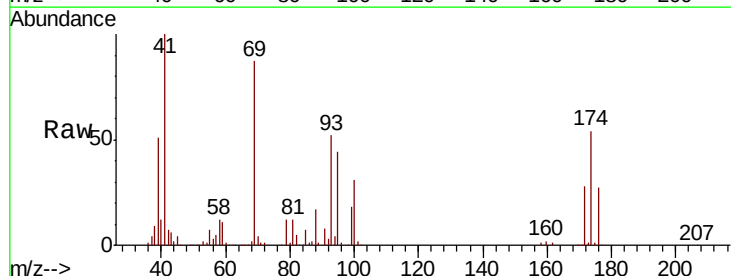
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

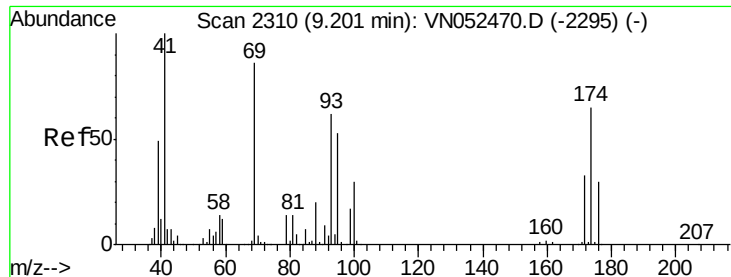
Tot Ion: 83 Resp: 710253
Ion Ratio Lower Upper
83 100
85 64.4 51.3 76.9
127 8.5 6.9 10.3



#48
Methyl methacrylate
Concen: 50.386 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 41 Resp: 400483
Ion Ratio Lower Upper
41 100
69 90.3 70.0 105.0
39 53.7 42.6 64.0

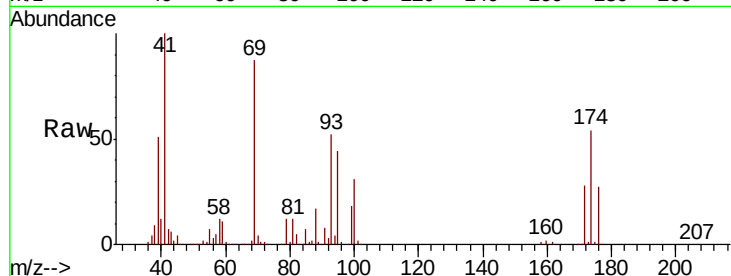




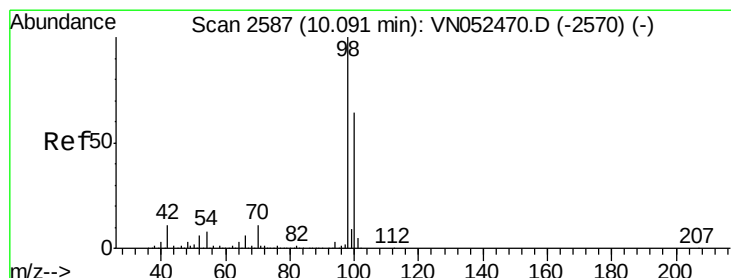
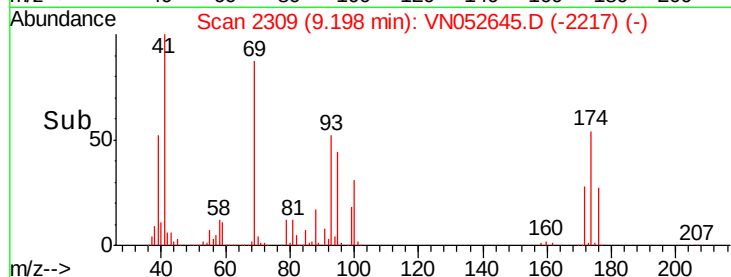
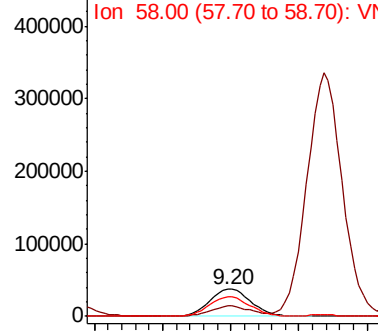
#49
1,4-Dioxane
Concen: 967.793 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 79833
Ion Ratio Lower Upper
88 100
43 34.6 26.4 39.6
58 70.0 55.4 83.0

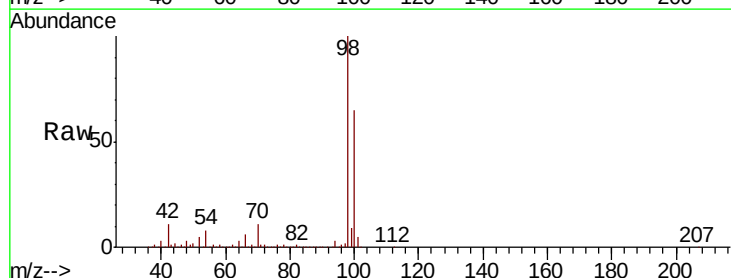


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

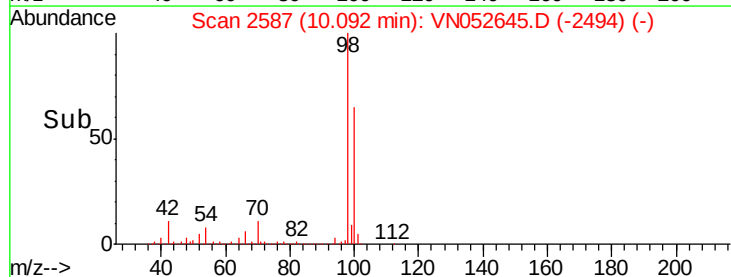
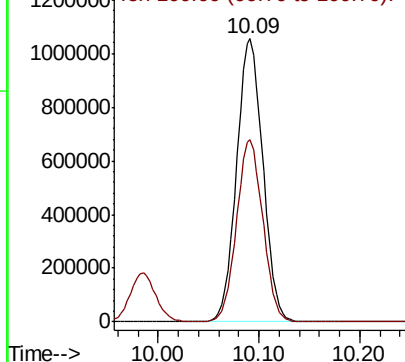


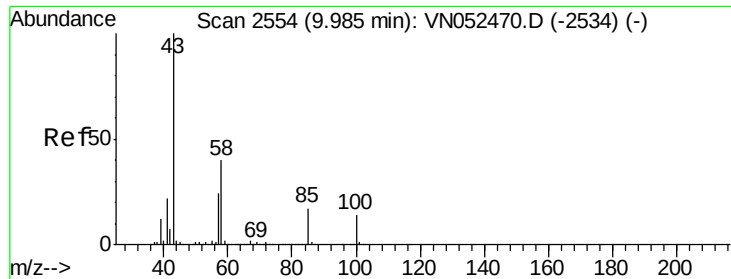
#50
Toluene-d8
Concen: 967.793 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 98 Resp: 1906923
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9



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

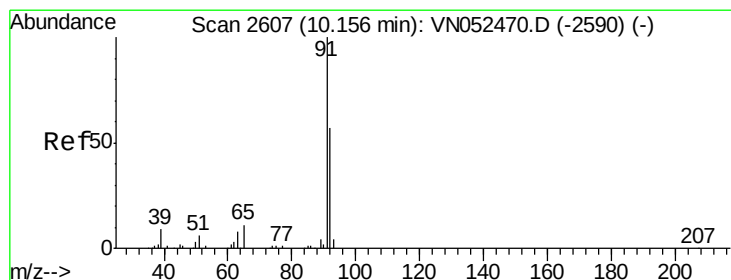
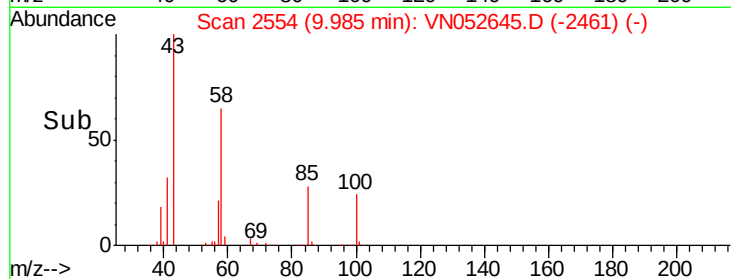
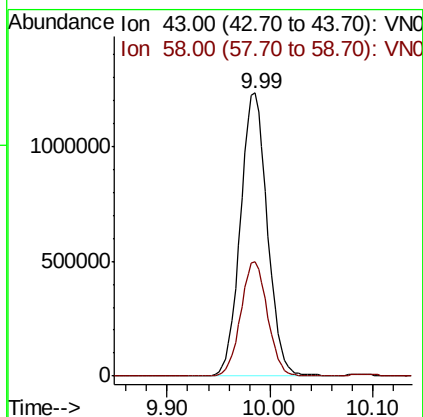
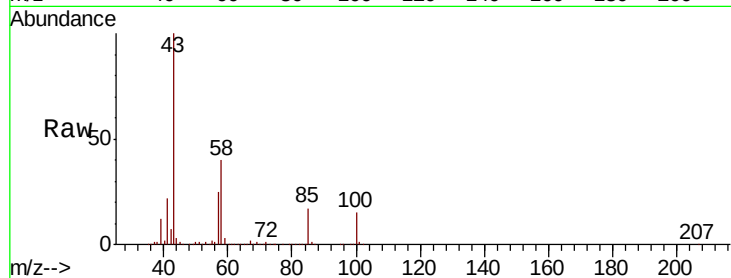




#51
 4-Methyl-2-Pentanone
 Concen: 261.634 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

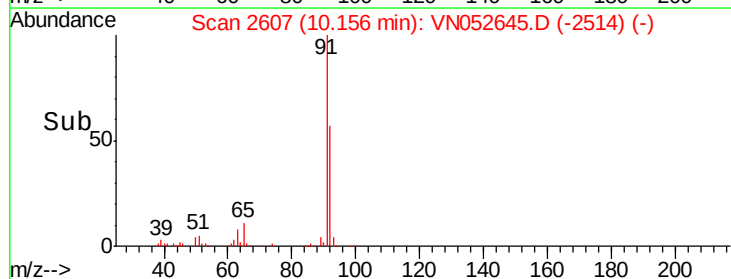
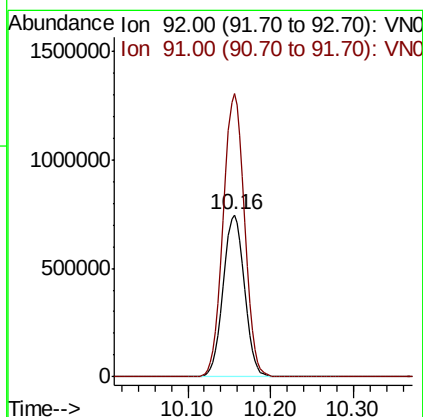
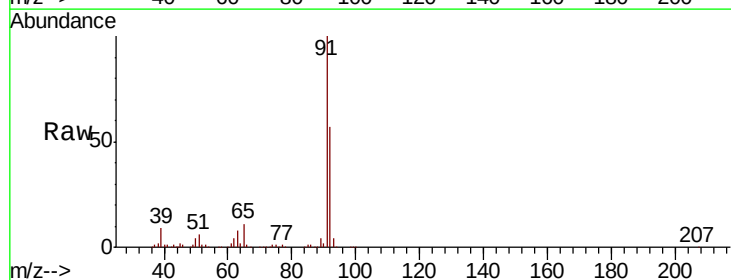
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

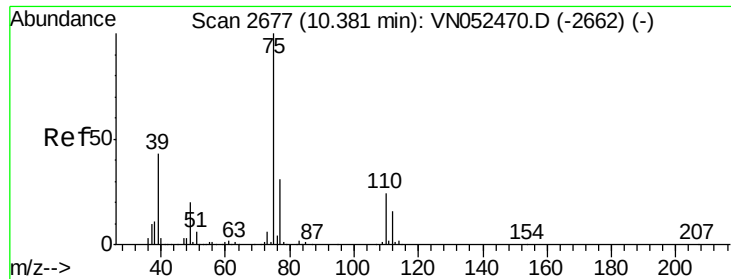
Tot Ion: 43 Resp: 2237648
 Ion Ratio Lower Upper
 43 100
 58 40.3 31.5 47.3



#52
 Toluene
 Concen: 50.629 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 92 Resp: 1323113
 Ion Ratio Lower Upper
 92 100
 91 175.3 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 53.338 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

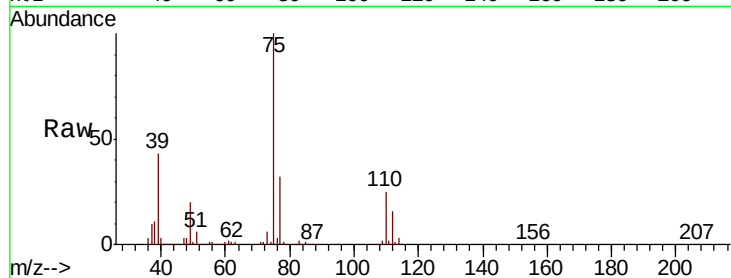
VSTDCCC050

Tot Ion: 75 Resp: 722211

Ion Ratio Lower Upper

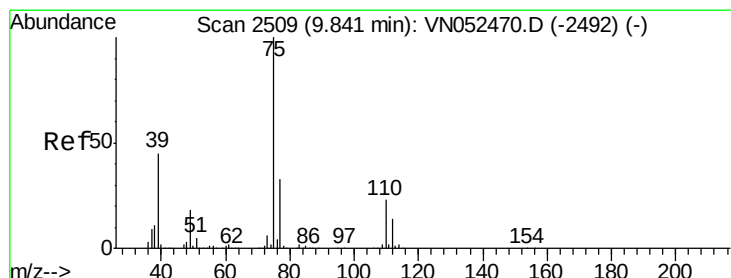
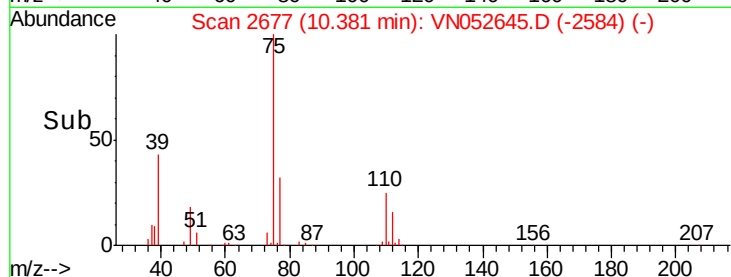
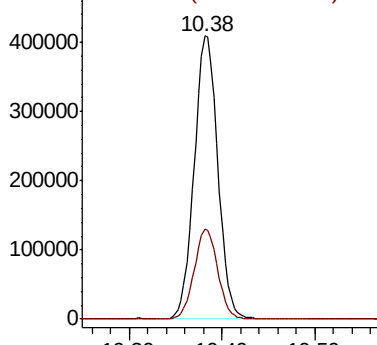
75 100

77 31.7 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: 51.880 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

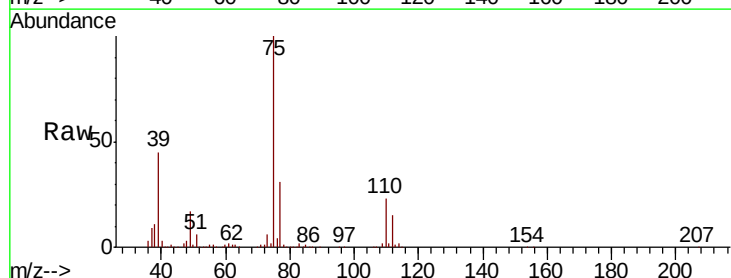
Tgt Ion: 75 Resp: 841824

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

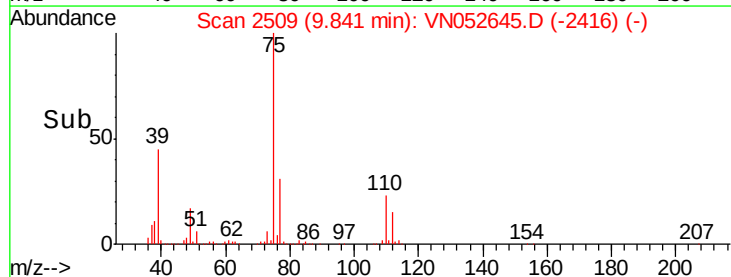
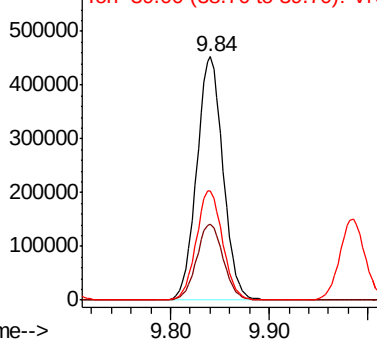
39 44.7 36.0 54.0

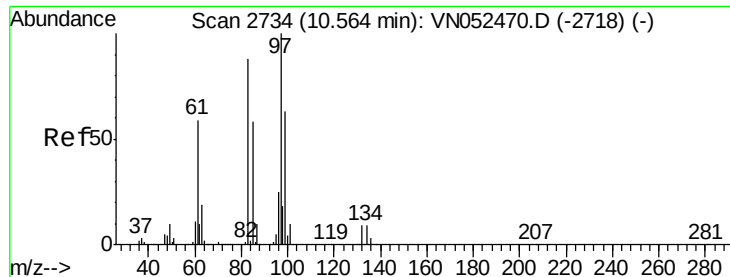


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

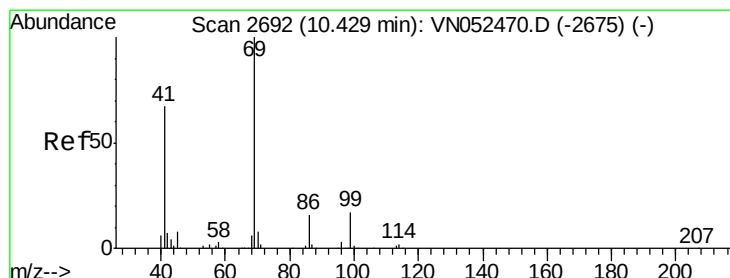
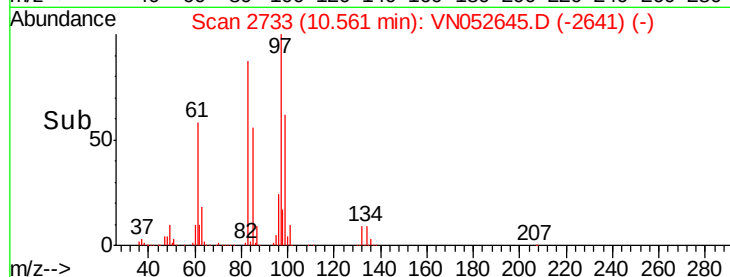
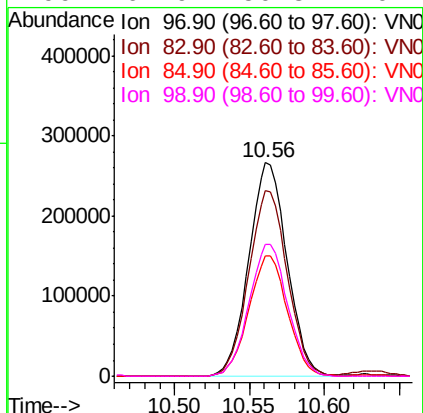
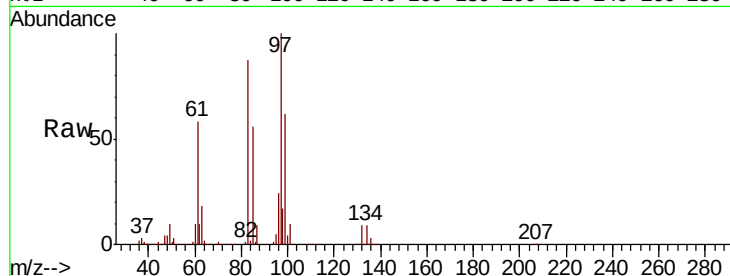




#55
 1,1,2-Trichloroethane
 Concen: 51.618 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

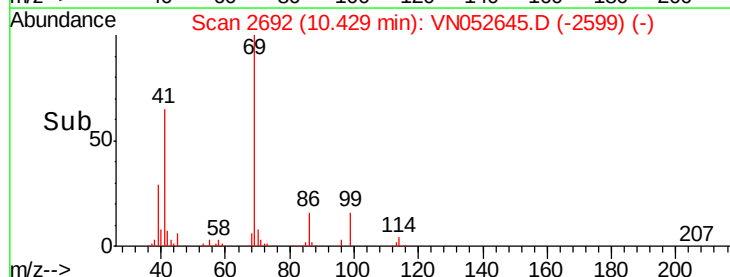
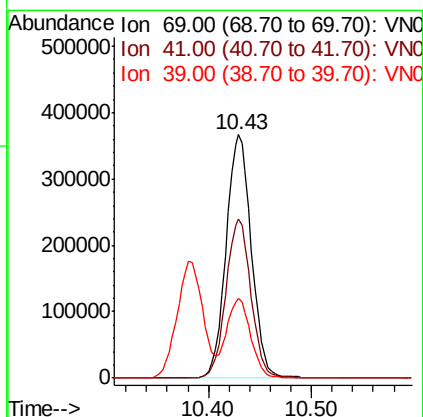
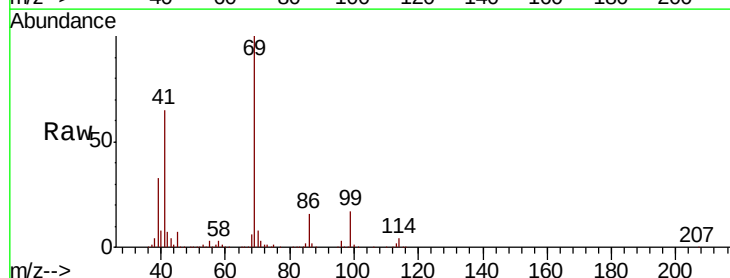
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

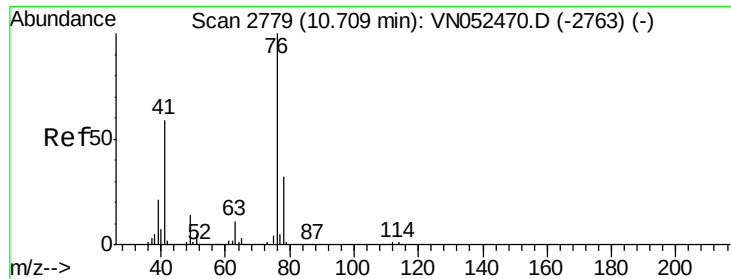
Tot Ion: 97 Resp: 474502
 Ion Ratio Lower Upper
 97 100
 83 86.6 70.7 106.1
 85 56.2 46.1 69.1
 99 61.9 50.8 76.2



#56
 Ethyl methacrylate
 Concen: 48.895 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 69 Resp: 623343
 Ion Ratio Lower Upper
 69 100
 41 63.9 52.6 79.0
 39 31.4 25.9 38.9

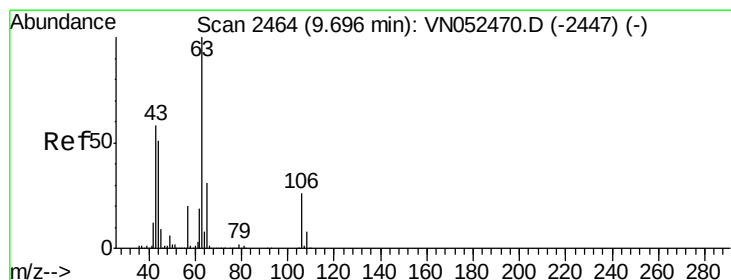
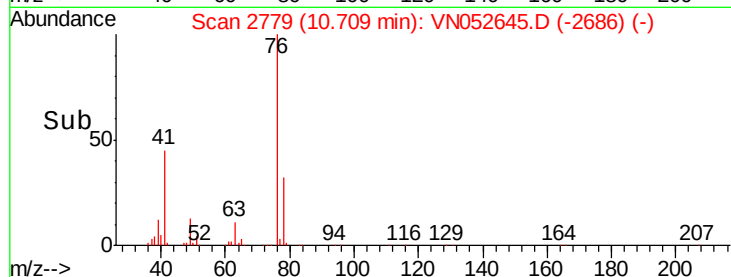
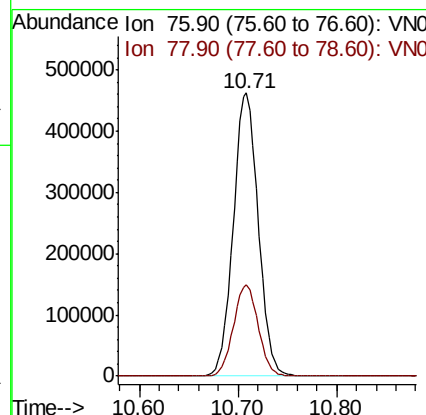
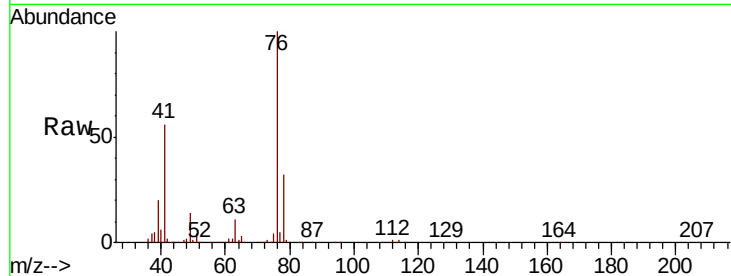




#57
 1,3-Dichloropropane
 Concen: 50.312 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

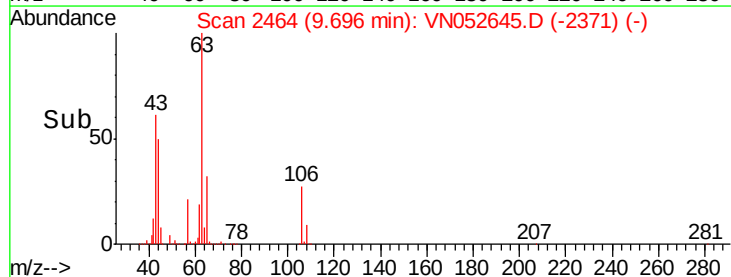
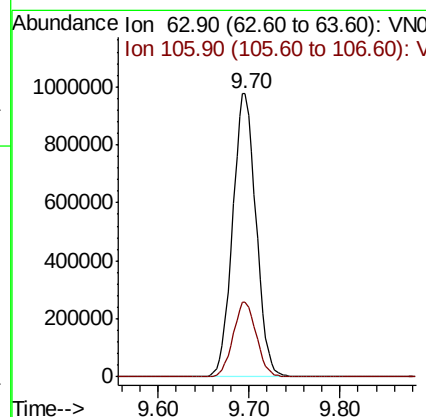
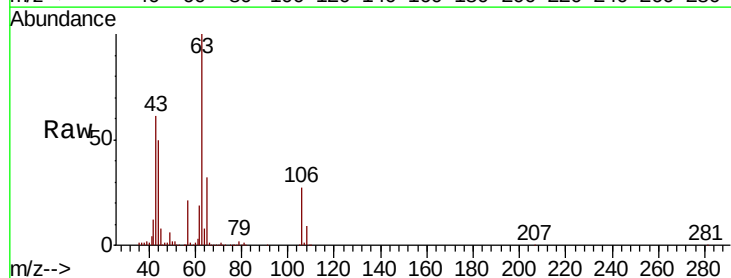
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

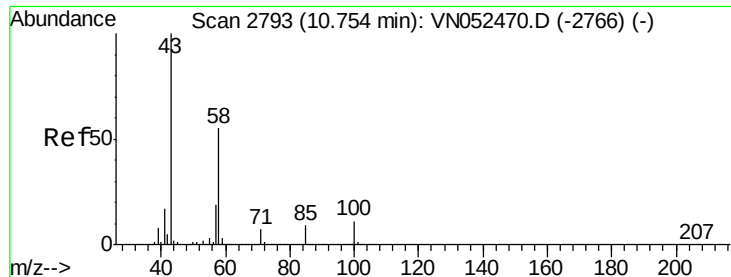
Tot Ion: 76 Resp: 816636
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 260.745 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 63 Resp: 1739268
 Ion Ratio Lower Upper
 63 100
 106 26.3 20.6 30.8

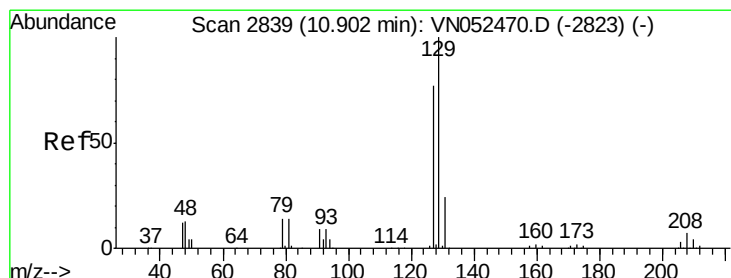
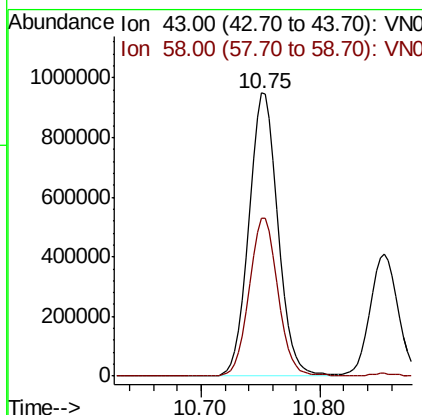
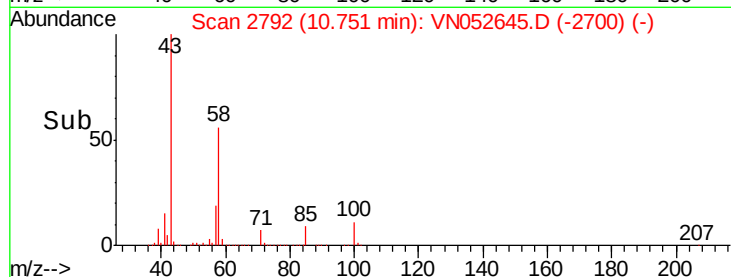
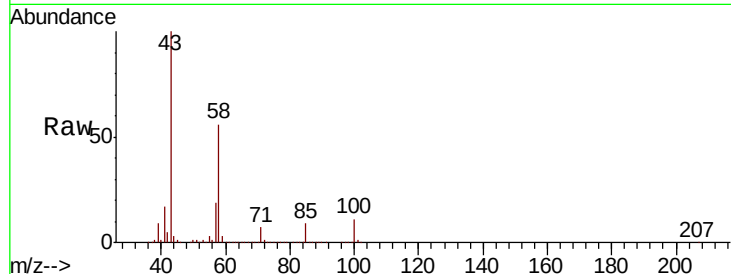




#59
2-Hexanone
Concen: 279.355 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

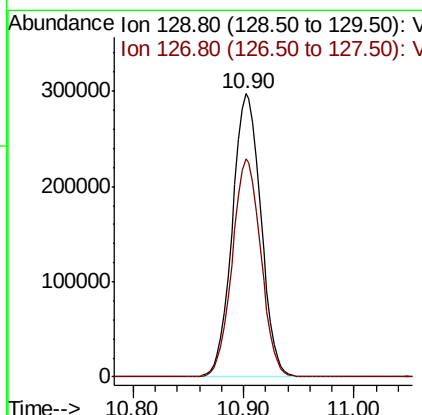
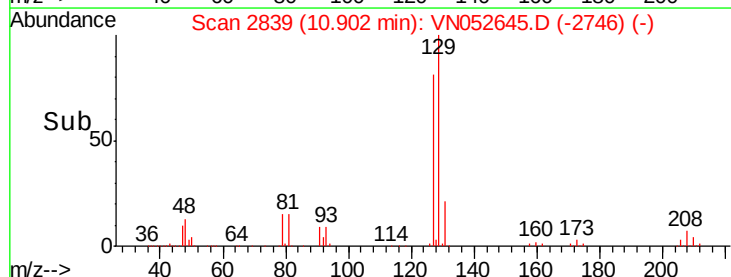
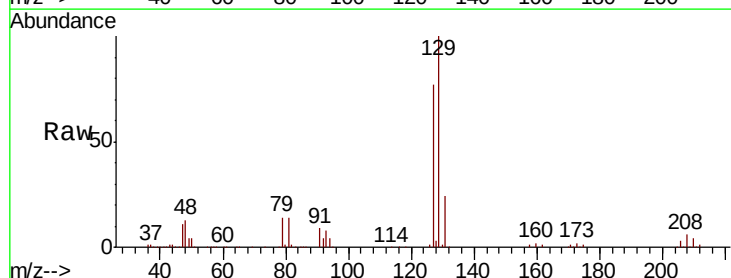
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

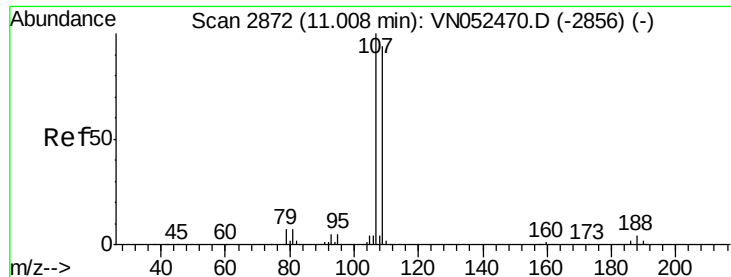
Tot Ion: 43 Resp: 1603522
Ion Ratio Lower Upper
43 100
58 55.6 27.4 82.0



#60
Dibromochloromethane
Concen: 53.564 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion:129 Resp: 534791
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.6

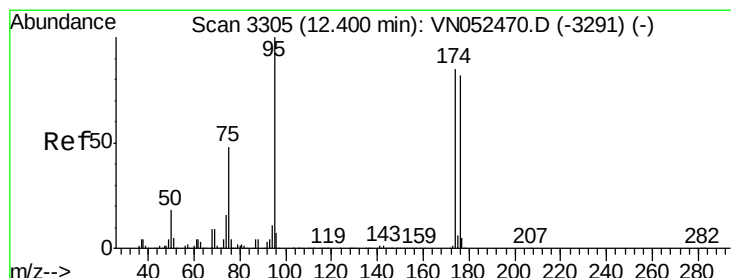
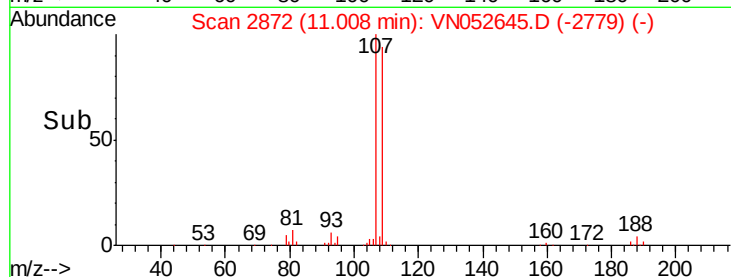
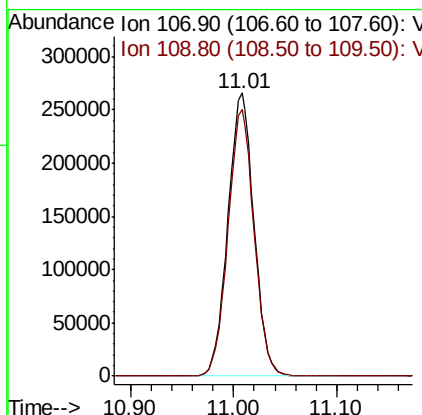
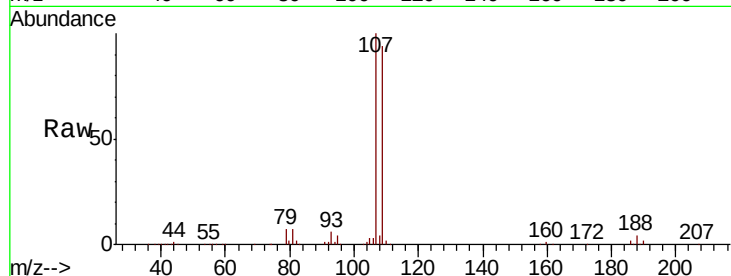




#61
 1,2-Dibromoethane
 Concen: 51.228 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

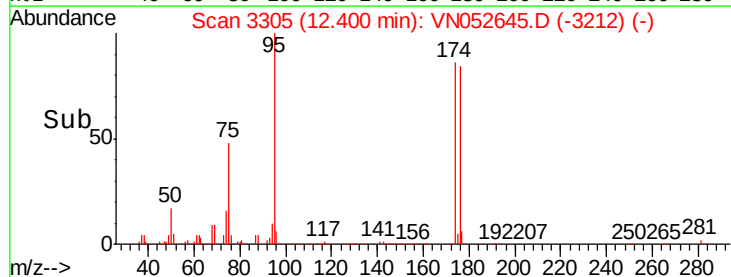
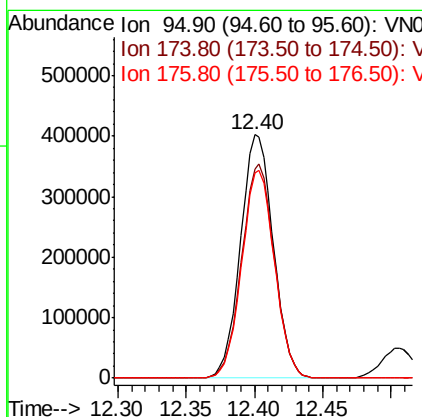
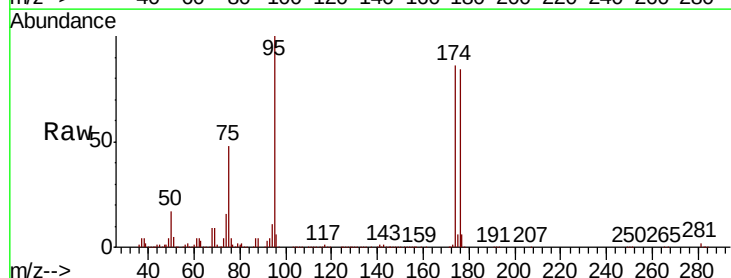
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

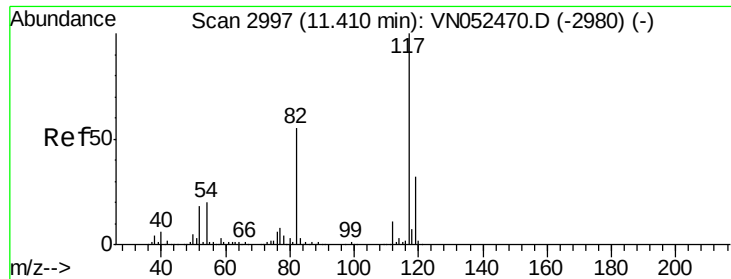
Tot Ion:107 Resp: 467719
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 51.228 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 95 Resp: 671765
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 173.0
 176 85.3 0.0 166.2

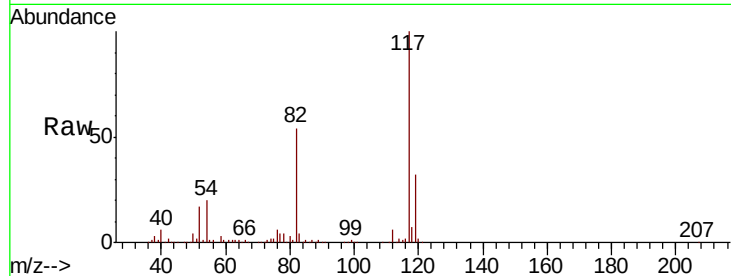




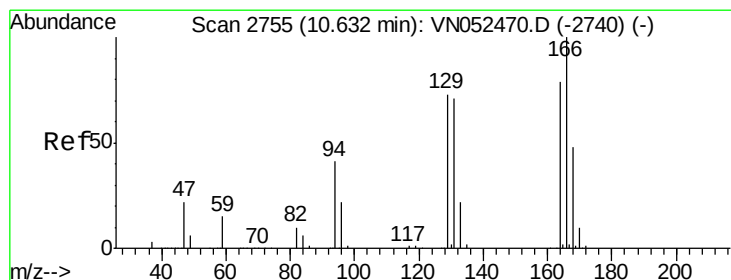
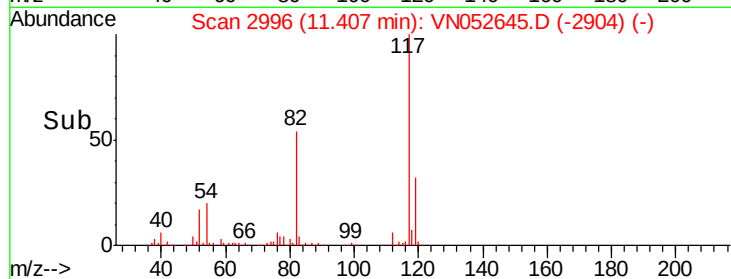
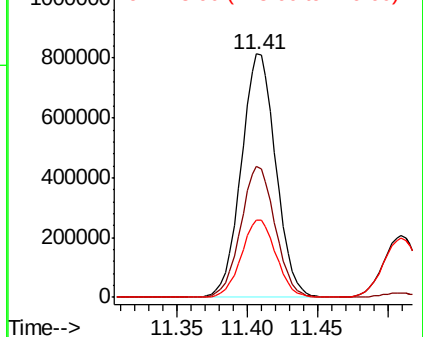
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:117 Resp: 1397704
Ion Ratio Lower Upper
117 100
82 53.6 43.6 65.4
119 32.0 25.4 38.2

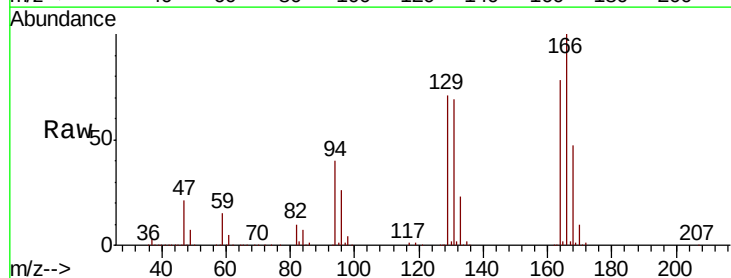


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

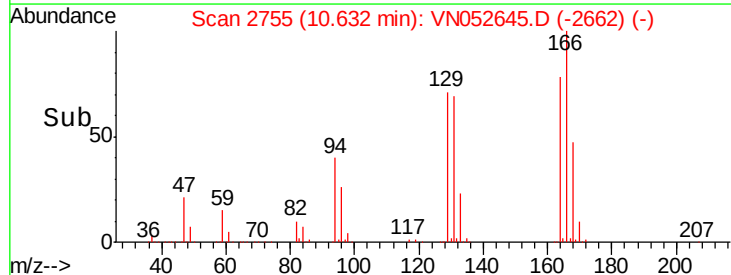
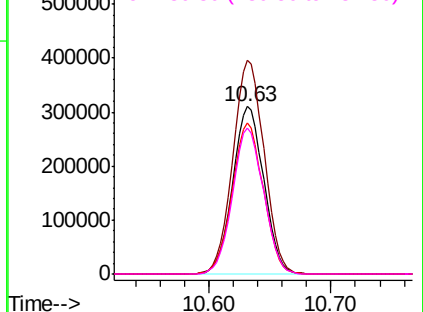


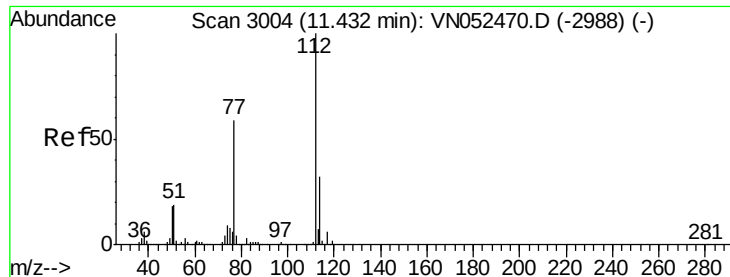
#64
Tetrachloroethene
Concen: 50.464 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion:164 Resp: 546866
Ion Ratio Lower Upper
164 100
166 127.7 101.0 151.4
129 90.1 73.8 110.6
131 87.5 71.2 106.8



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

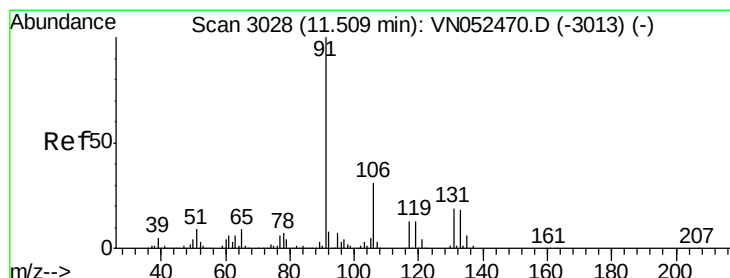
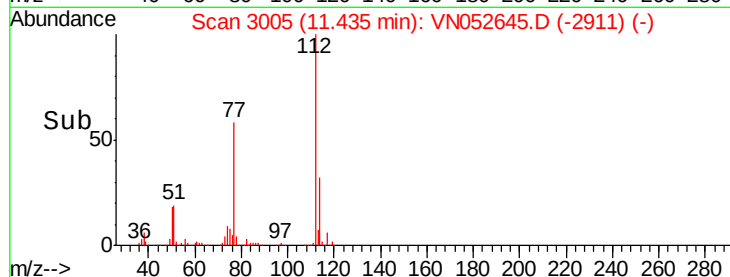
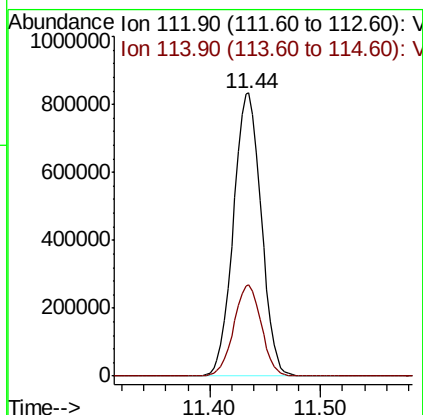
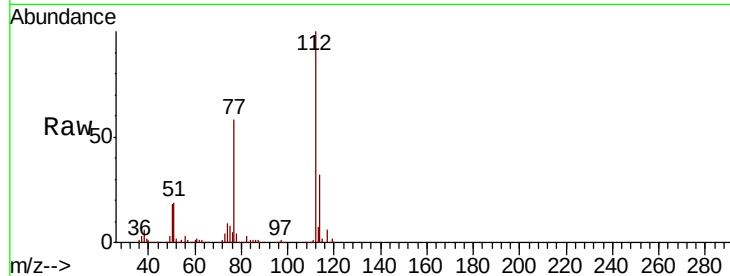




#65
Chlorobenzene
Concen: 50.568 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

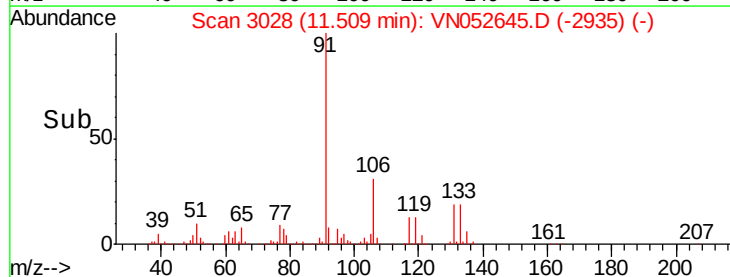
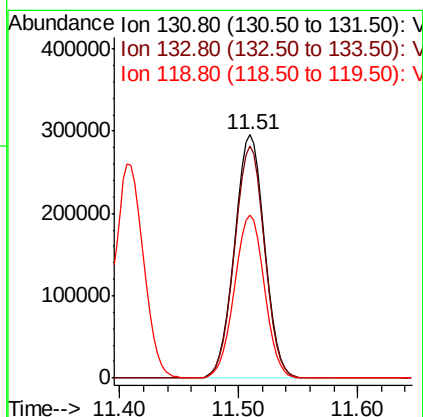
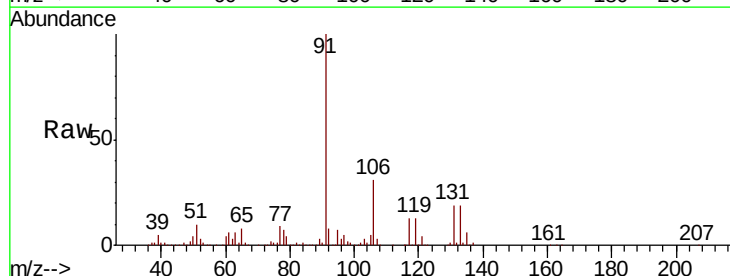
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

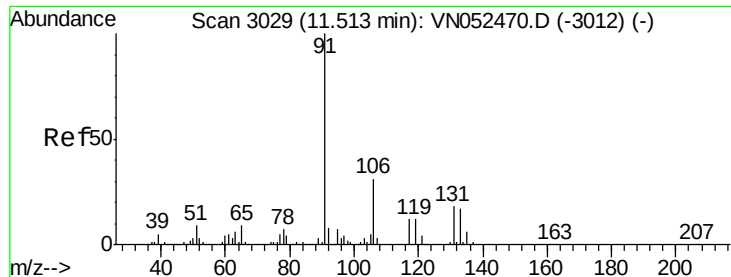
Tot Ion:112 Resp: 1457405
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 51.502 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion:131 Resp: 516104
Ion Ratio Lower Upper
131 100
133 95.7 47.6 142.8
119 67.1 33.2 99.6

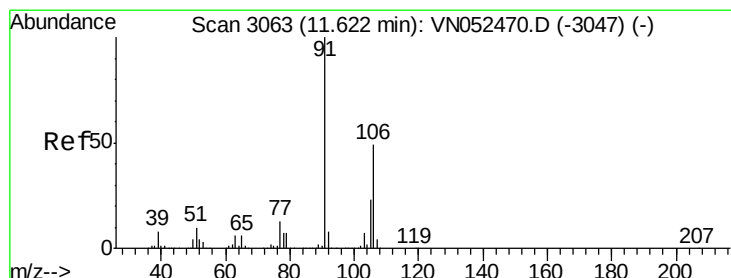
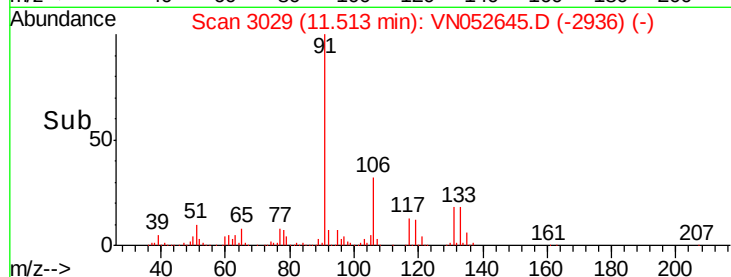
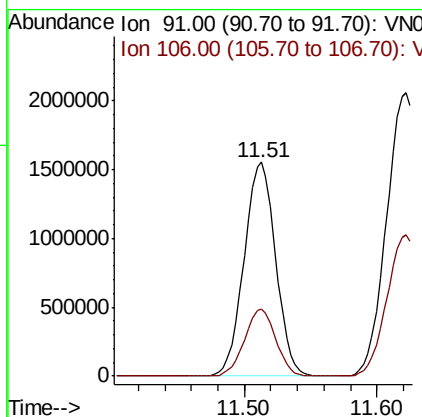
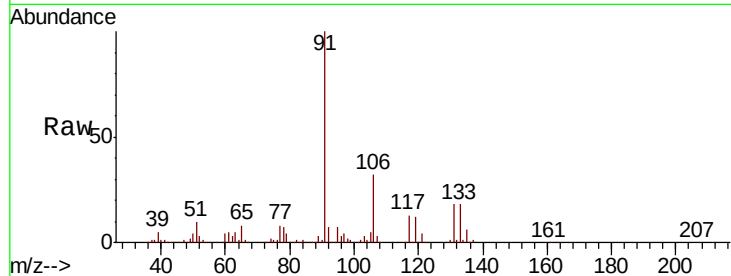




#67
Ethyl Benzene
Concen: 50.925 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

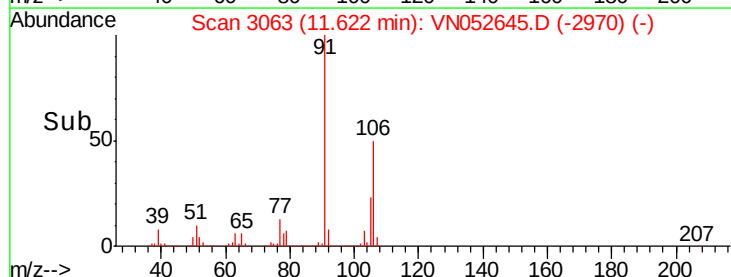
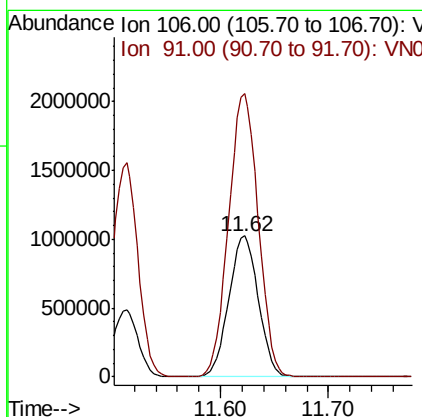
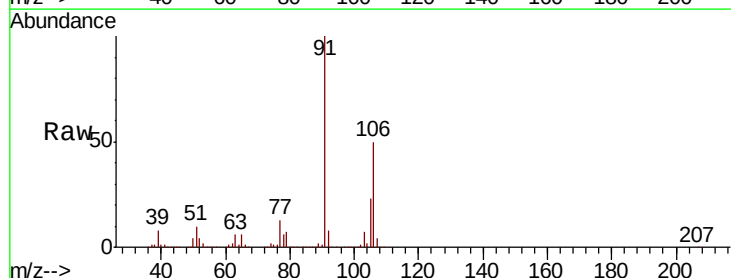
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

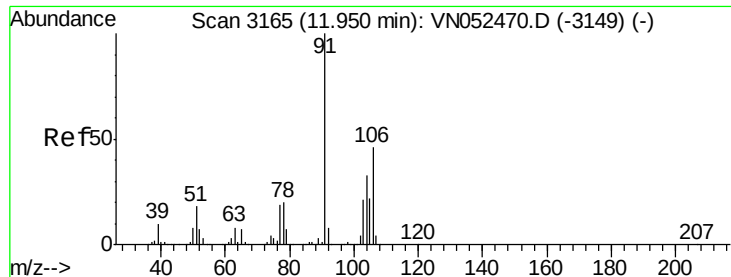
Tot Ion: 91 Resp: 2570185
Ion Ratio Lower Upper
91 100
106 31.5 24.9 37.3



#68
m/p-Xylenes
Concen: 103.617 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion: 106 Resp: 1946821
Ion Ratio Lower Upper
106 100
91 202.3 163.2 244.8

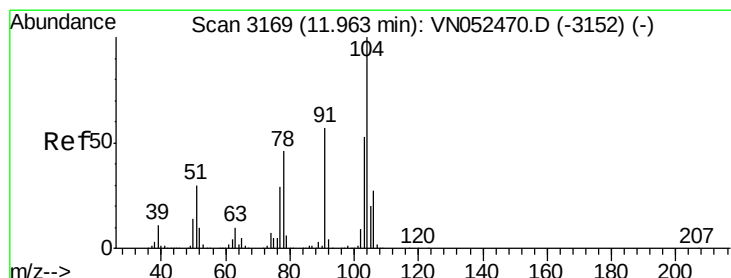
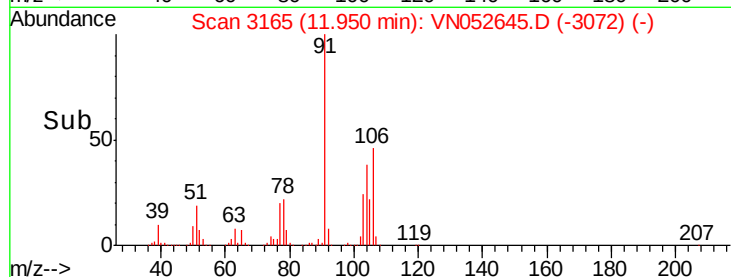
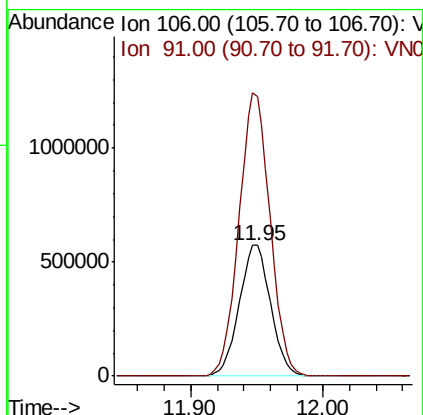
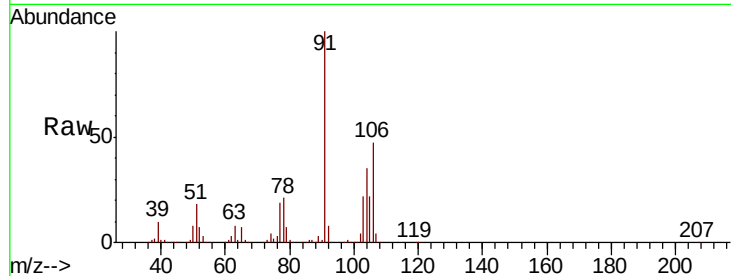




#69
o-Xylene
Concen: 51.551 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

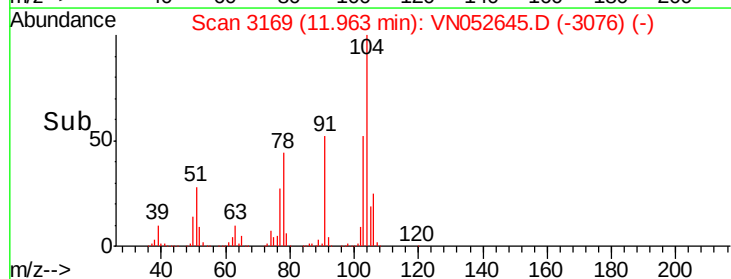
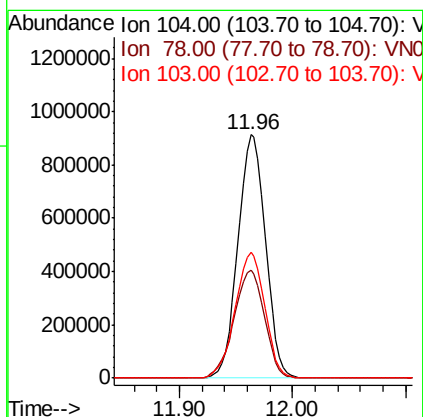
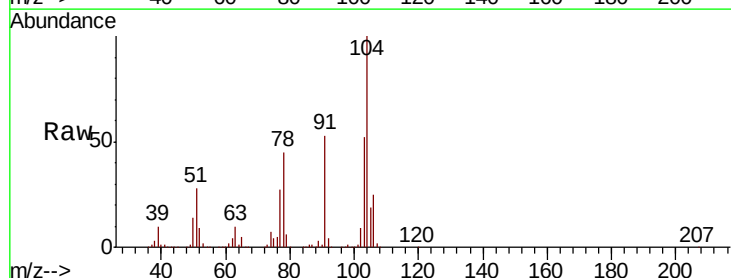
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

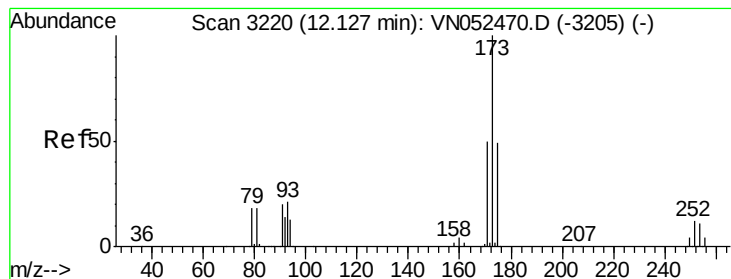
Tot Ion:106 Resp: 940561
Ion Ratio Lower Upper
106 100
91 214.7 107.7 323.1



#70
Styrene
Concen: 53.445 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052645.D
Acq: 4 Dec 2018 10:47

Tgt Ion:104 Resp: 1553146
Ion Ratio Lower Upper
104 100
78 49.1 39.4 59.2
103 55.8 44.9 67.3





#71

Bromoform

Concen: 55.217 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

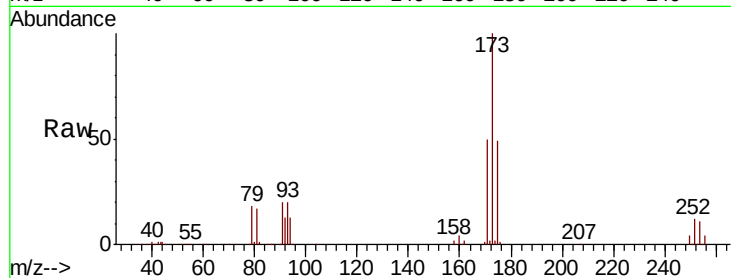
Tot Ion:173 Resp: 366375

Ion Ratio Lower Upper

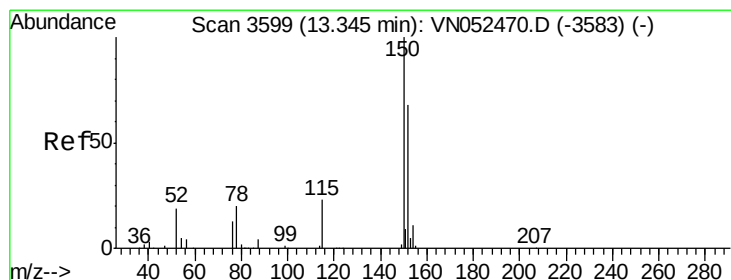
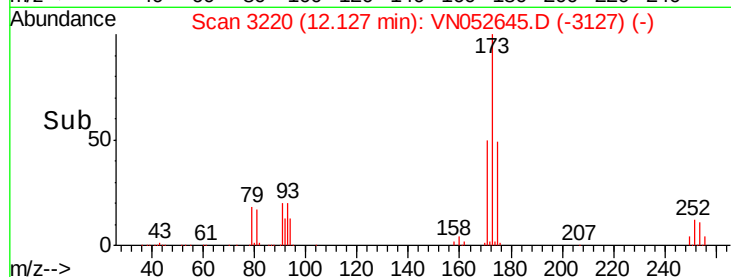
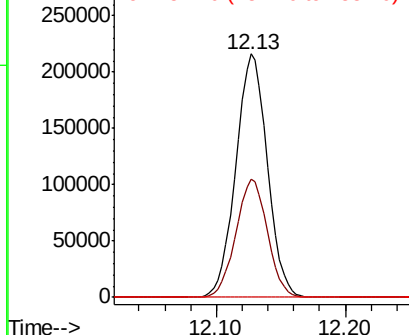
173 100

175 48.5 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: VN052645.D

Acq: 4 Dec 2018 10:47

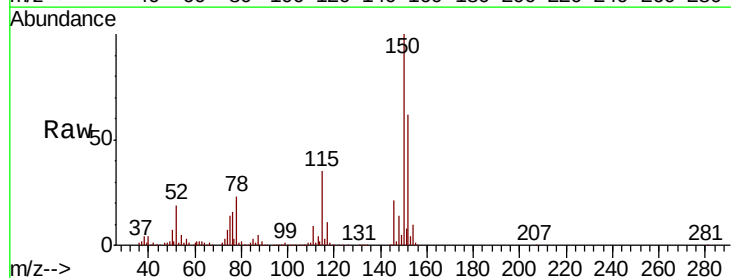
Tgt Ion:152 Resp: 665792

Ion Ratio Lower Upper

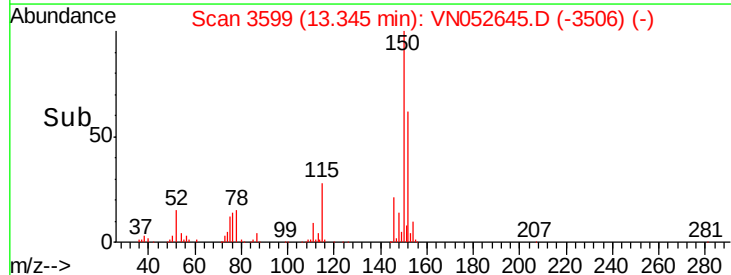
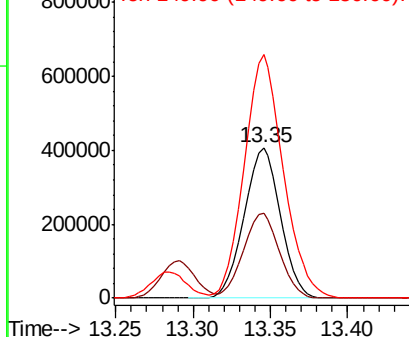
152 100

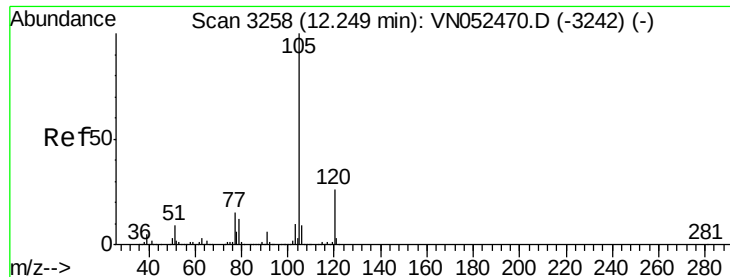
115 56.4 28.4 85.2

150 174.4 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: 48.802 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

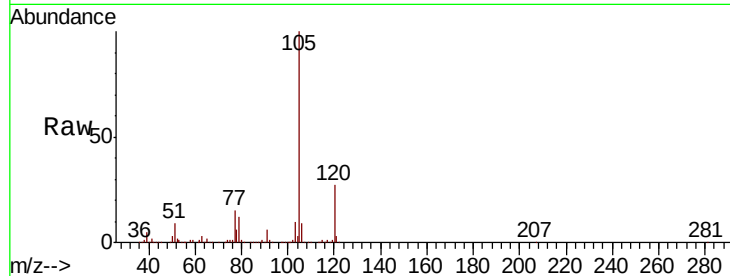
VSTDCCC050

Tot Ion:105 Resp: 2549170

Ion Ratio Lower Upper

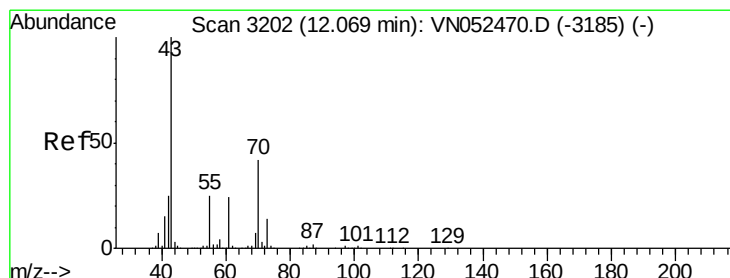
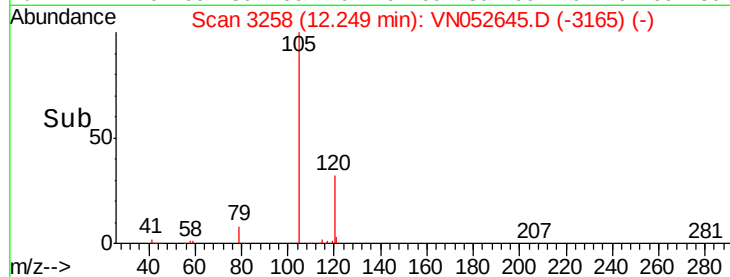
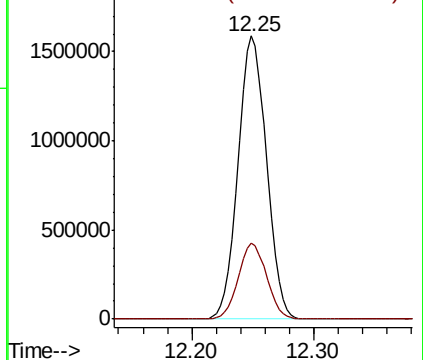
105 100

120 26.6 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: 51.951 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Tgt Ion: 43 Resp: 685585

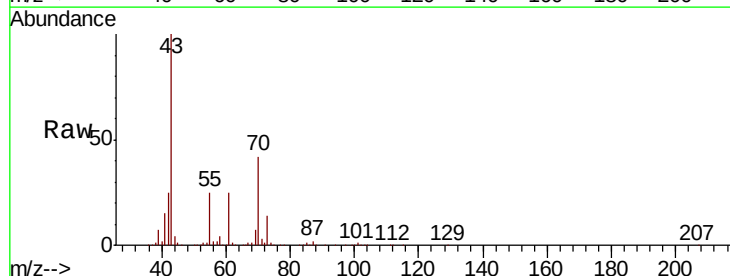
Ion Ratio Lower Upper

43 100

70 42.7 33.8 50.8

55 25.1 20.0 30.0

61 24.8 19.7 29.5

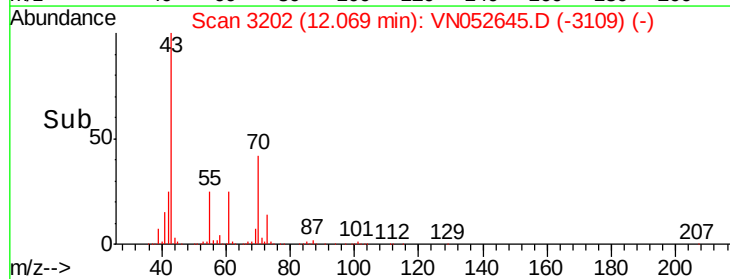
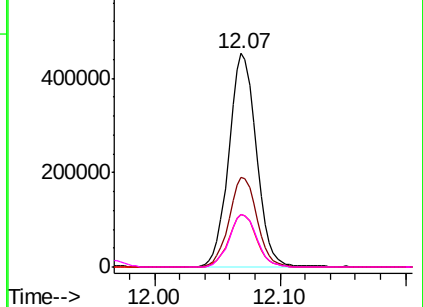


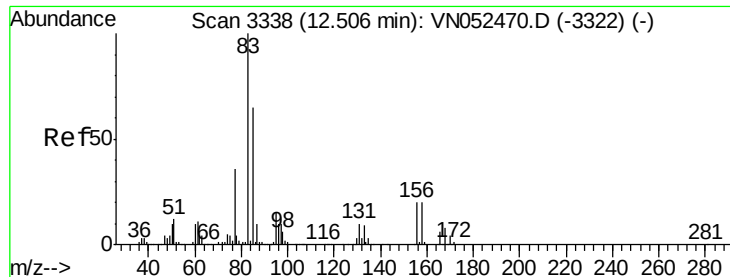
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.645 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

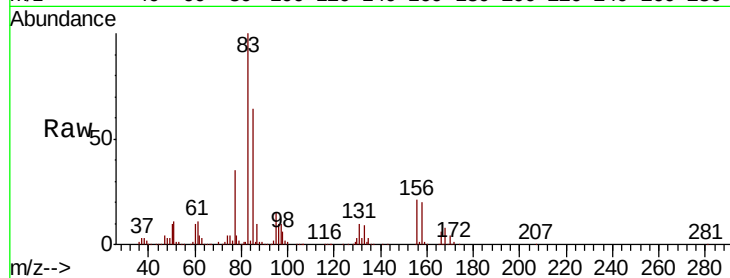
Tot Ion: 83 Resp: 578026

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 64.2 31.9 95.9



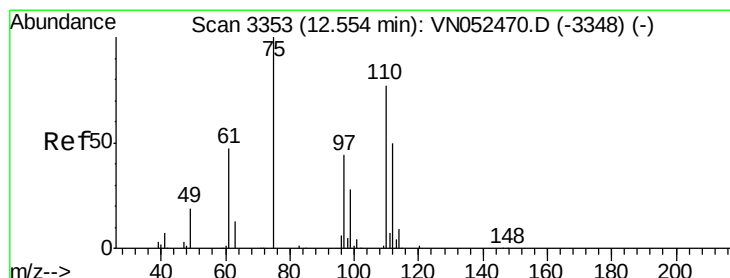
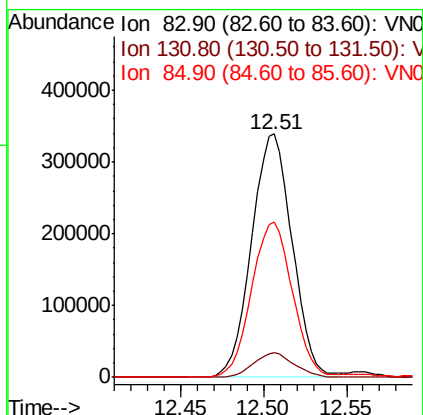
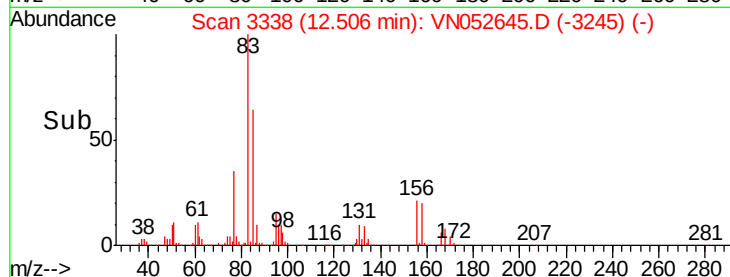
Abundance Ion 82.90 (82.60 to 83.60): VN052470.D (-3322) (-)

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

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

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 70.828 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052645.D

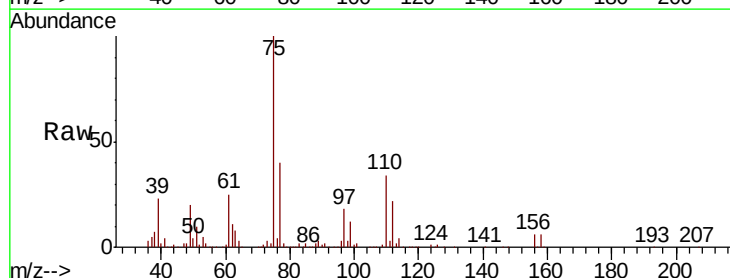
Acq: 4 Dec 2018 10:47

Tgt Ion: 75 Resp: 727184

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

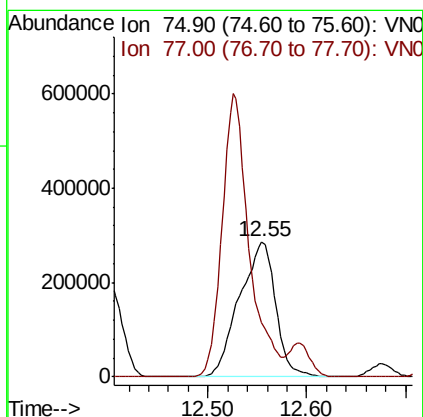
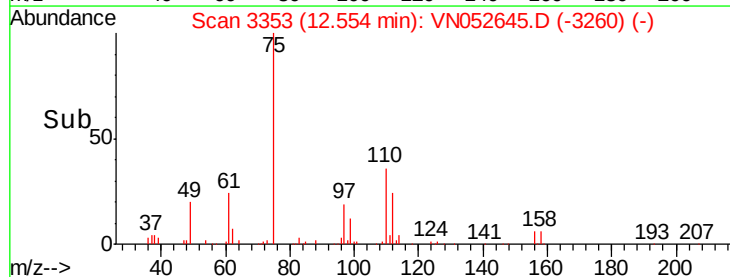


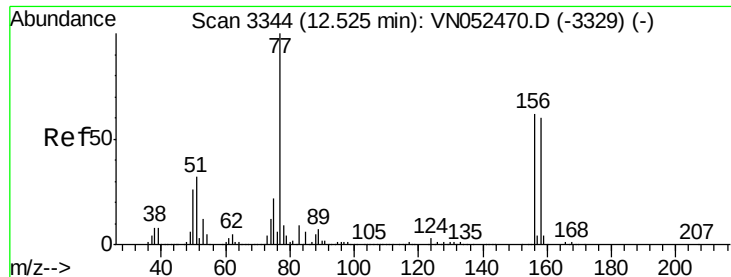
Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

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

12.55

Time-->





#77

Bromobenzene

Concen: 48.935 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

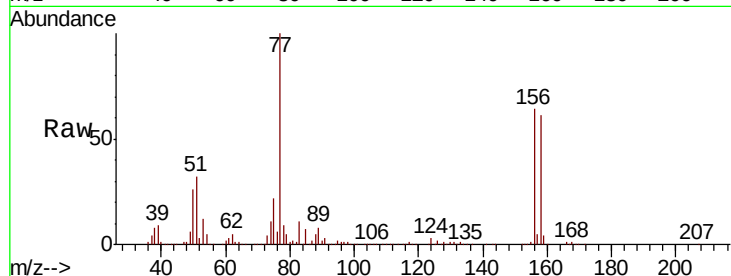
Tot Ion:156 Resp: 631813

Ion Ratio Lower Upper

156 100

77 182.6 93.5 280.4

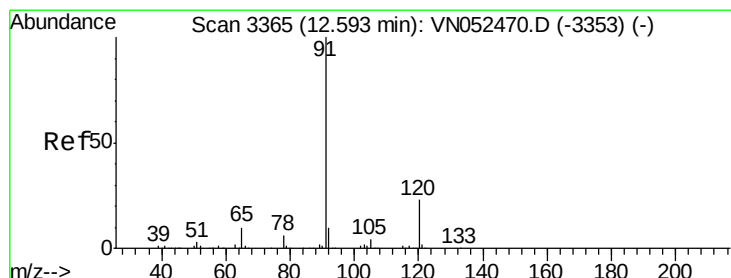
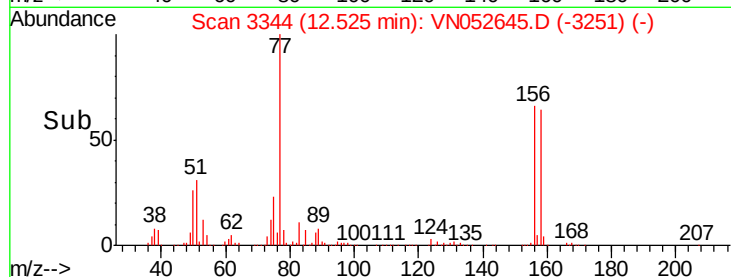
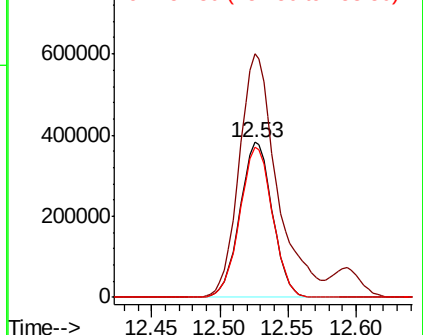
158 97.5 48.3 144.9



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: 49.886 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052645.D

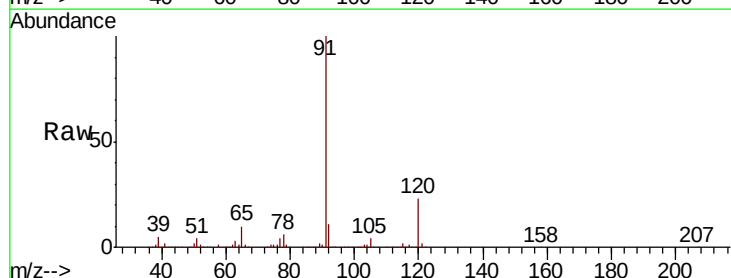
Acq: 4 Dec 2018 10:47

Tgt Ion: 91 Resp: 2960343

Ion Ratio Lower Upper

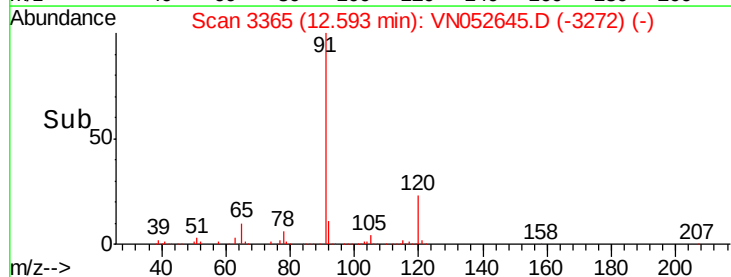
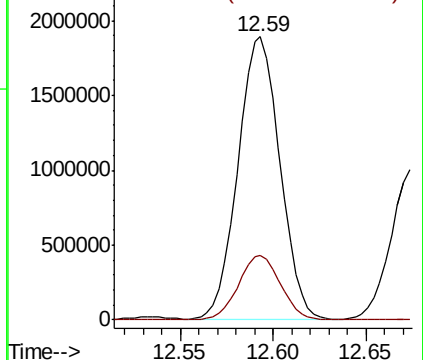
91 100

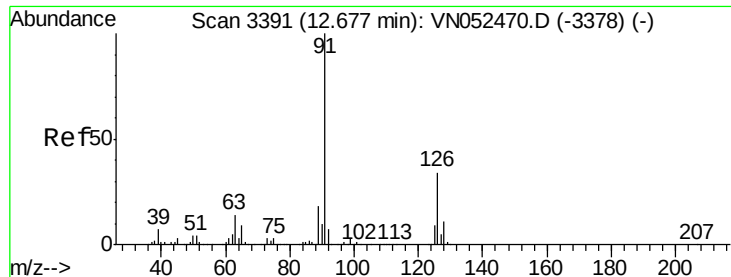
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.366 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

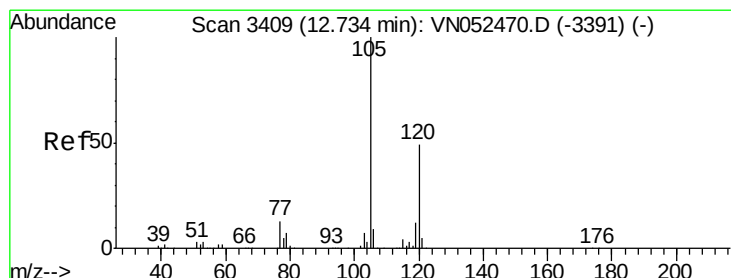
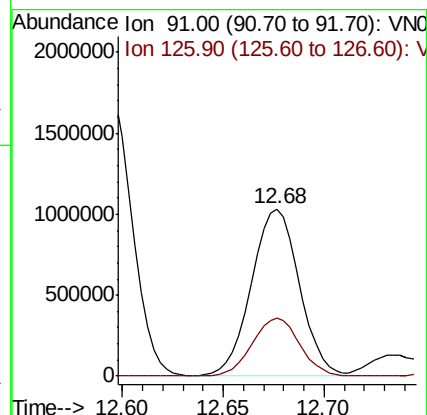
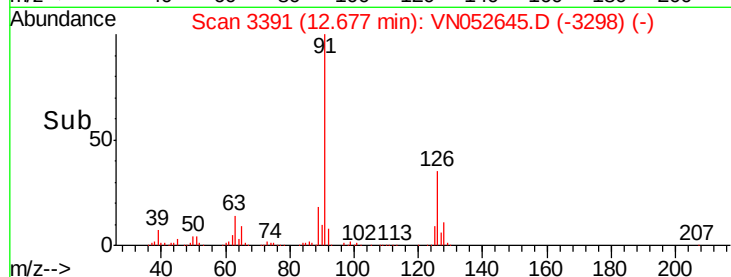
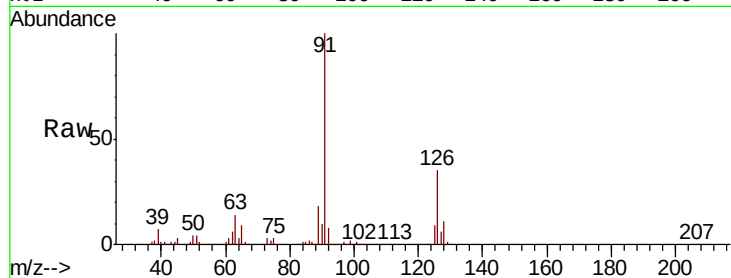
VSTDCCC050

Tot Ion: 91 Resp: 1709162

Ion Ratio Lower Upper

91 100

126 34.7 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 50.176 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052645.D

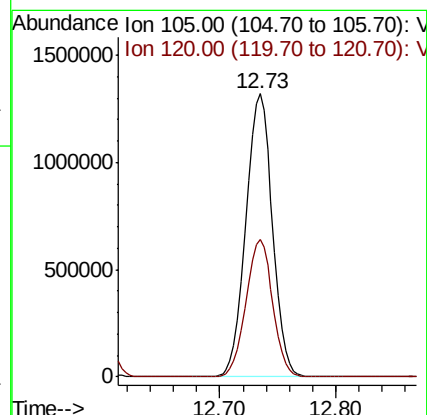
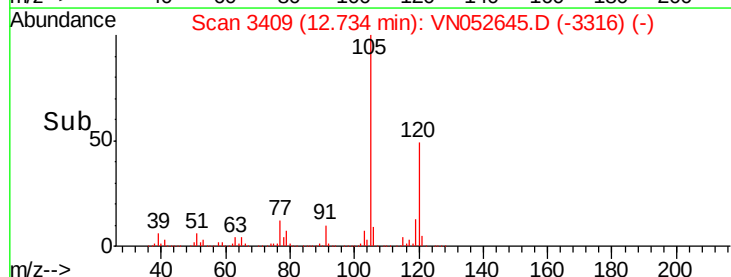
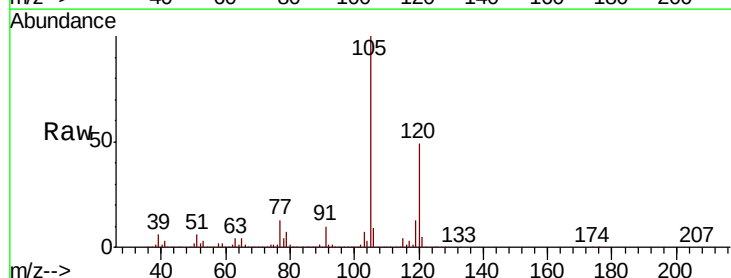
Acq: 4 Dec 2018 10:47

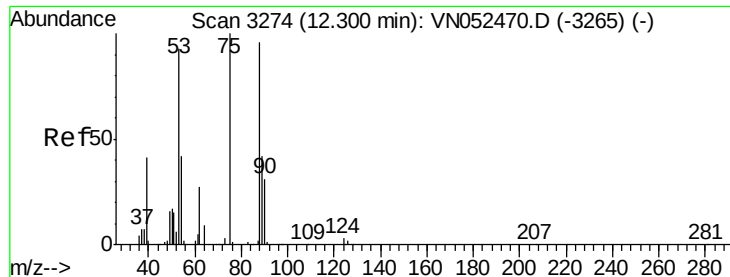
Tgt Ion: 105 Resp: 2090337

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.546 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

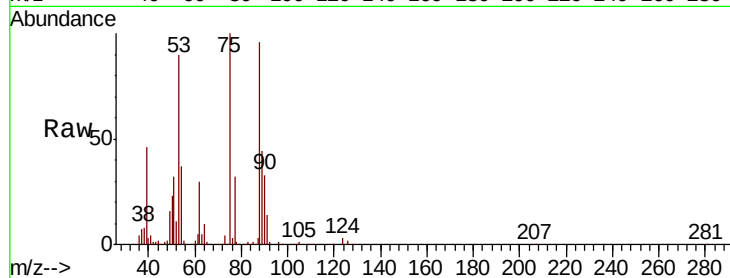
Tot Ion: 75 Resp: 167695

Ion Ratio Lower Upper

75 100

53 91.9 77.4 116.0

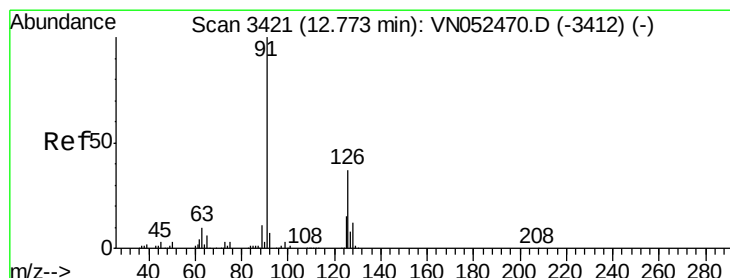
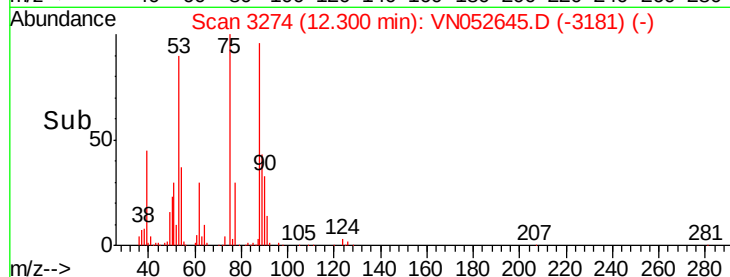
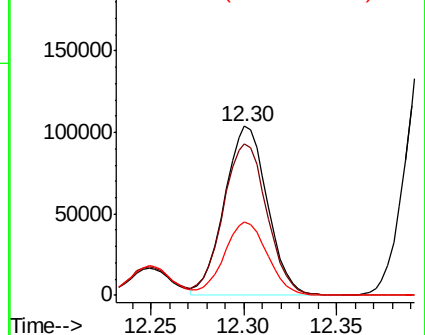
89 43.8 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.119 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052645.D

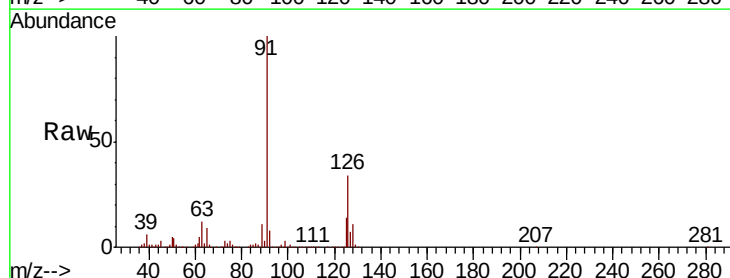
Acq: 4 Dec 2018 10:47

Tgt Ion: 91 Resp: 1749385

Ion Ratio Lower Upper

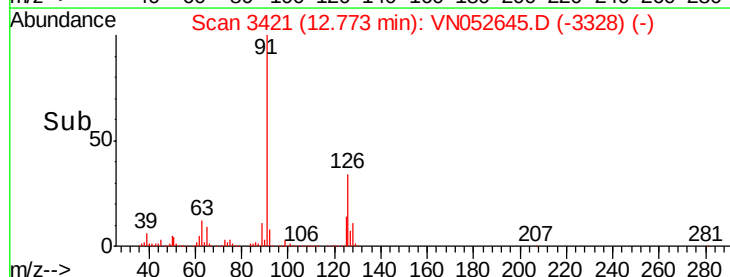
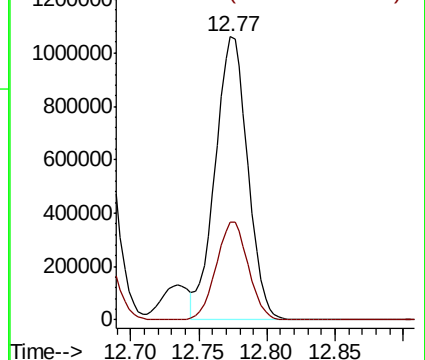
91 100

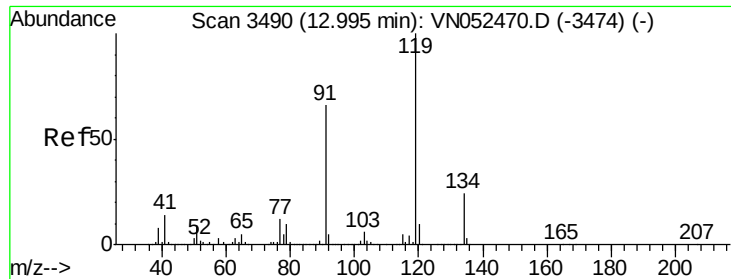
126 34.2 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

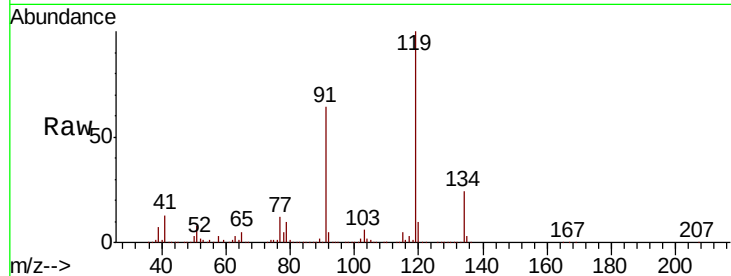




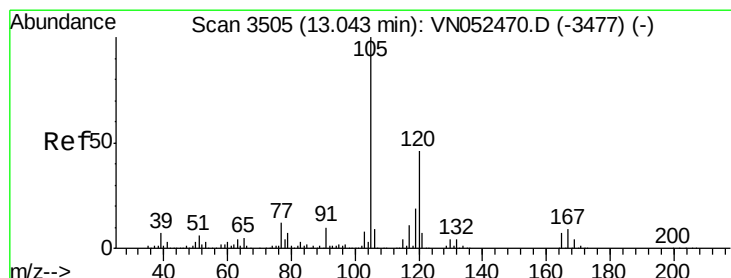
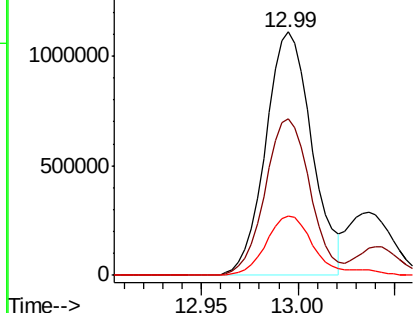
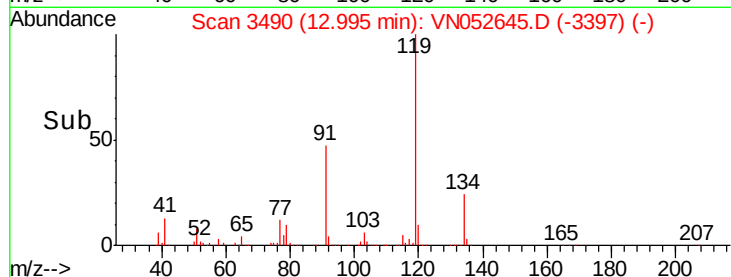
#83
 tert-Butylbenzene
 Concen: 49.669 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1844685
 Ion Ratio Lower Upper
 119 100
 91 63.0 32.3 96.9
 134 25.9 13.0 38.9

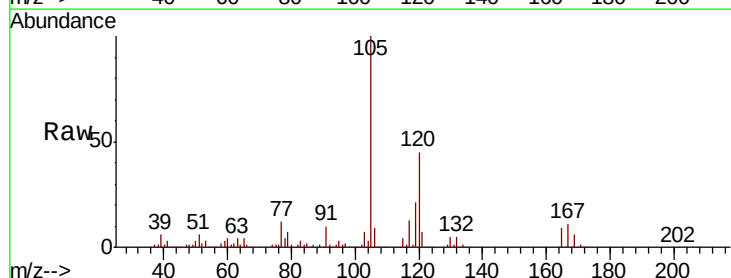


Abundance Ion 119.00 (118.70 to 119.70): V
 1500000 Ion 91.00 (90.70 to 91.70): VN
 Ion 134.00 (133.70 to 134.70): V

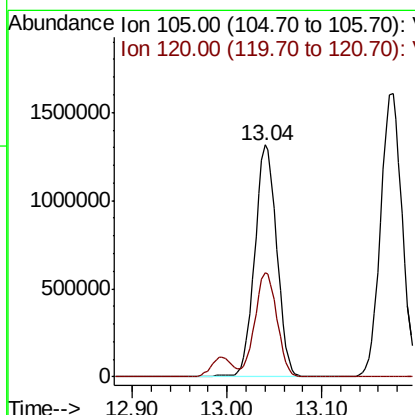
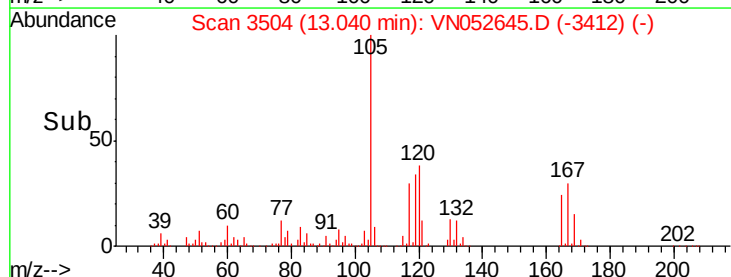


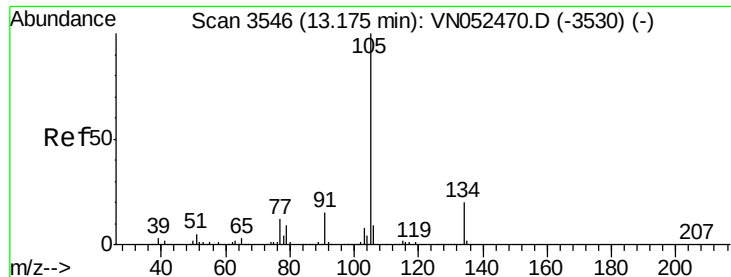
#84
 1,2,4-Trimethylbenzene
 Concen: 50.948 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion:105 Resp: 2127082
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 1500000 Ion 120.00 (119.70 to 120.70): V

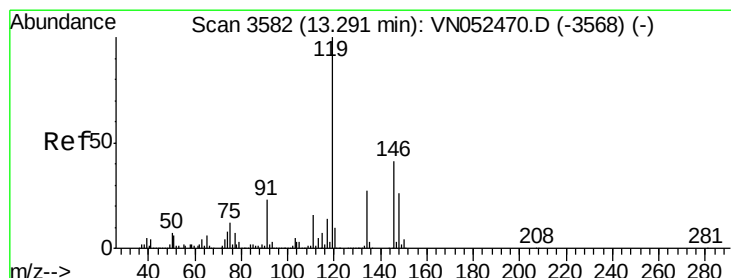
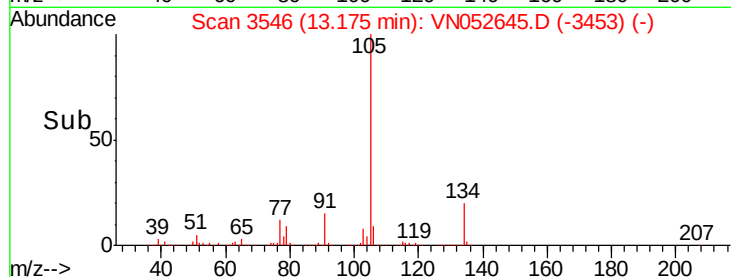
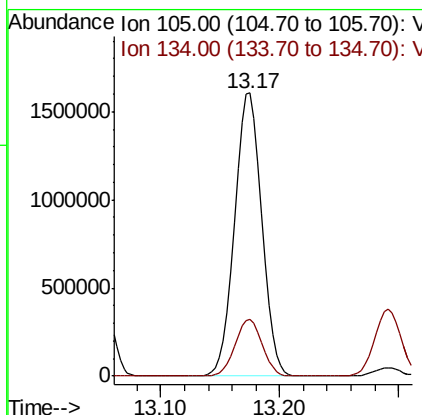
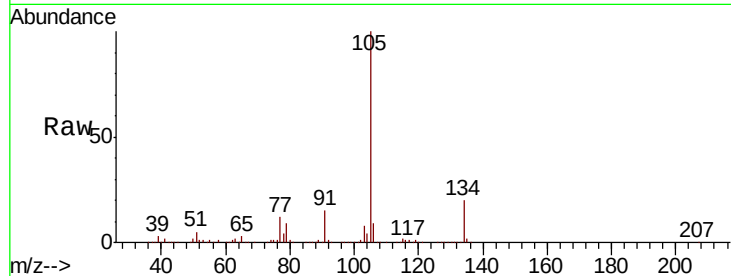




#85
 sec-Butylbenzene
 Concen: 50.153 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

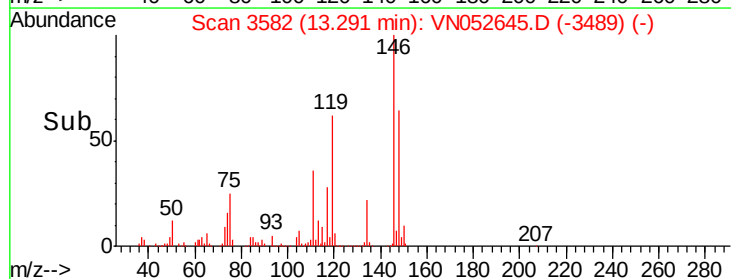
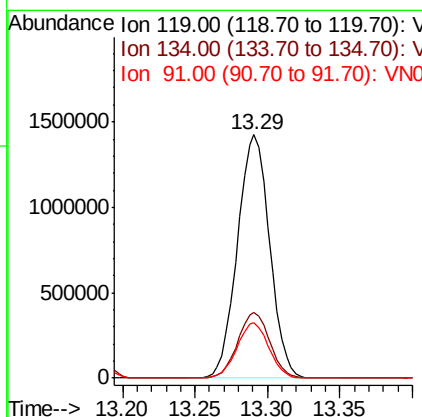
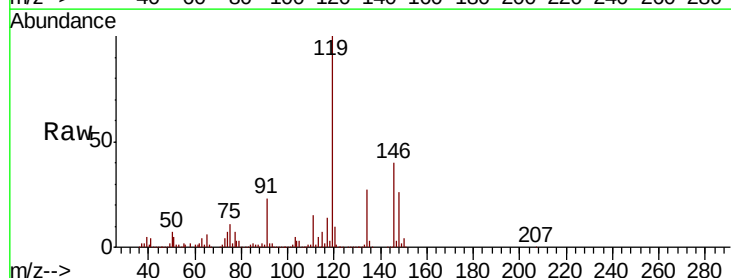
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

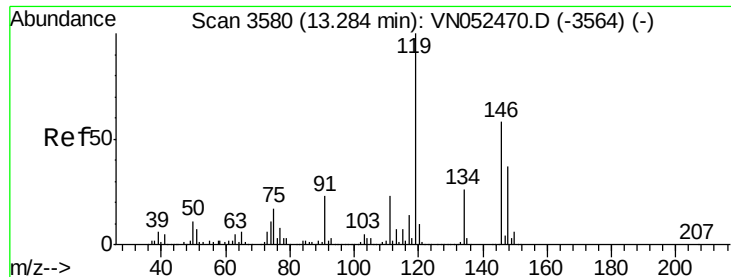
Tot Ion:105 Resp: 2537008
 Ion Ratio Lower Upper
 105 100
 134 20.0 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 50.925 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion:119 Resp: 2194145
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.2
 91 22.4 11.4 34.2

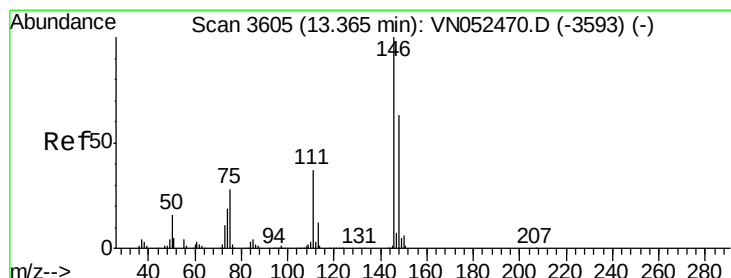
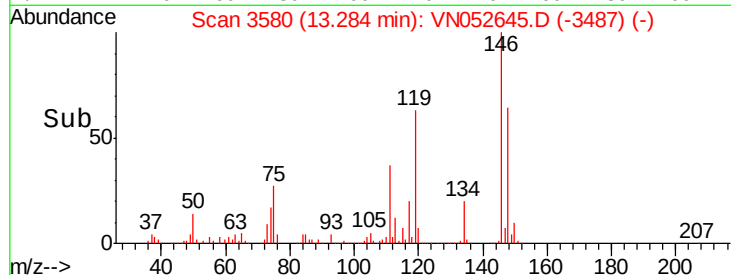
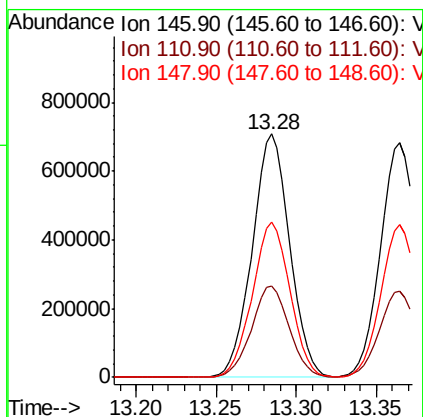
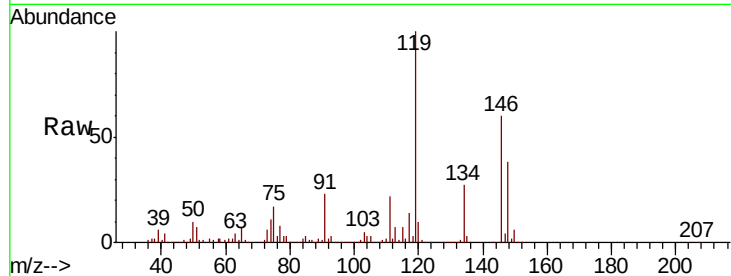




#87
 1,3-Dichlorobenzene
 Concen: 50.562 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

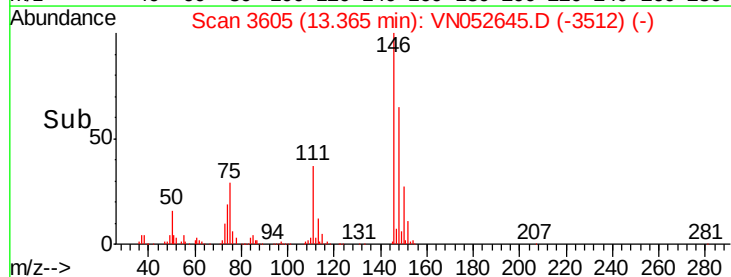
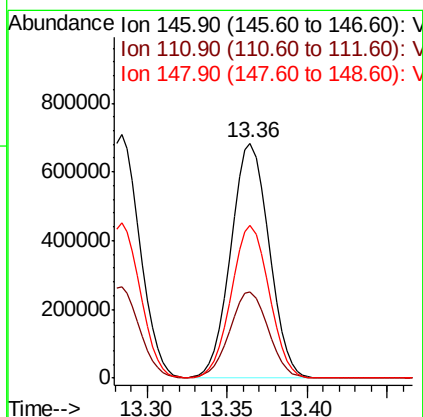
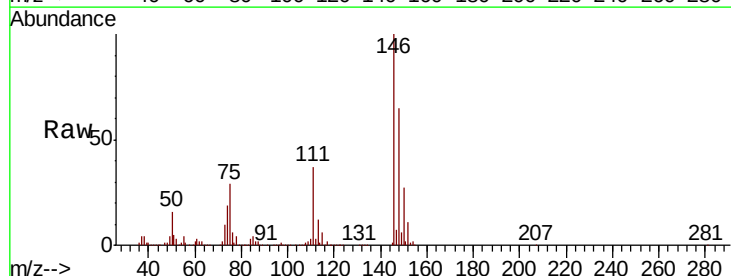
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

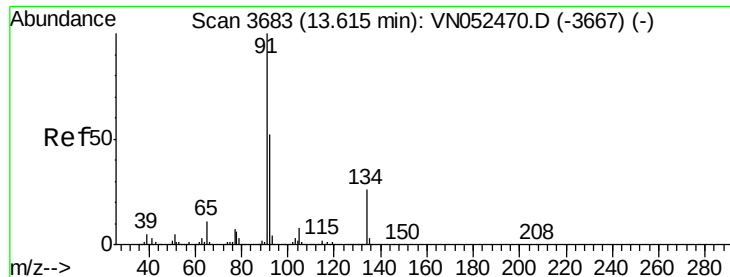
Tot Ion:146 Resp: 1141921
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.4 58.4
 148 64.0 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.974 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion:146 Resp: 1111701
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 56.0
 148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 52.809 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

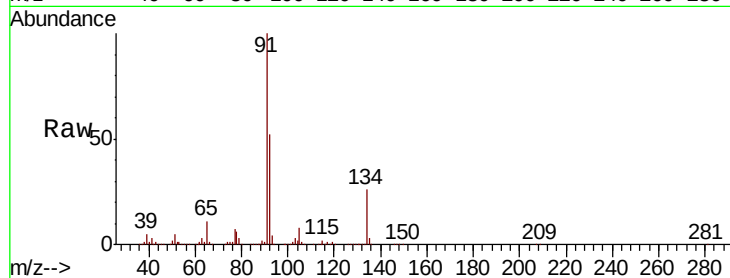
Tot Ion: 91 Resp: 1892265

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

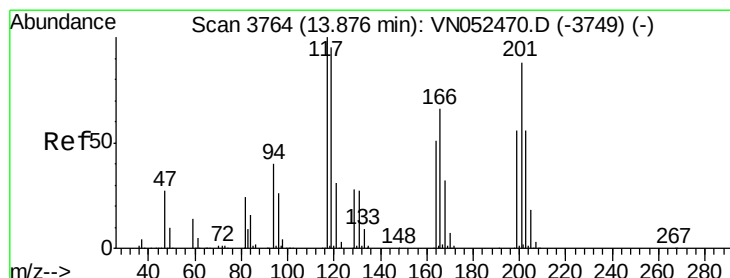
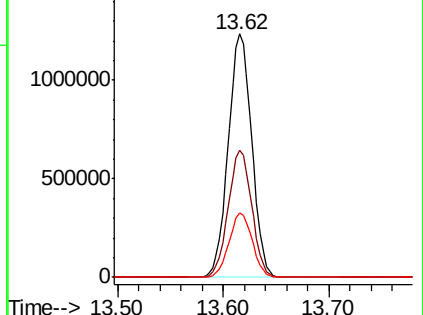
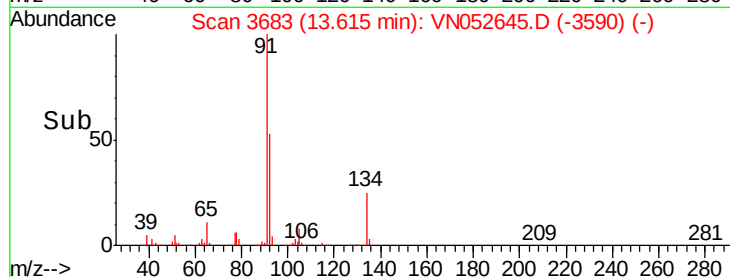
134 26.3 13.0 38.9



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) (-)



#90

Hexachloroethane

Concen: 50.633 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052645.D

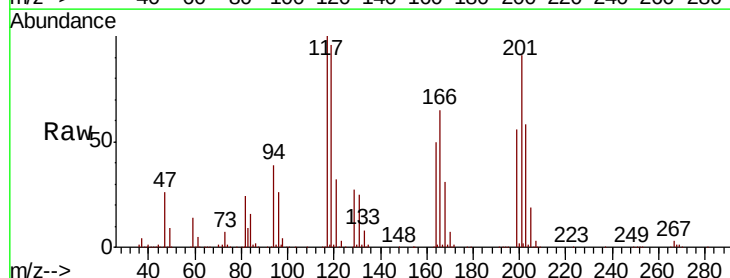
Acq: 4 Dec 2018 10:47

Tgt Ion: 117 Resp: 369381

Ion Ratio Lower Upper

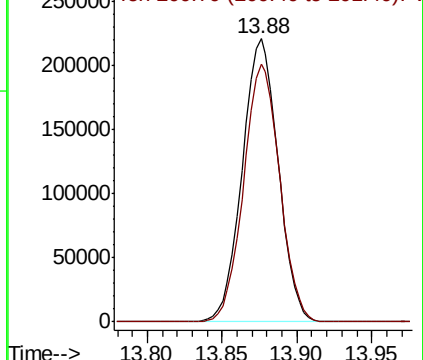
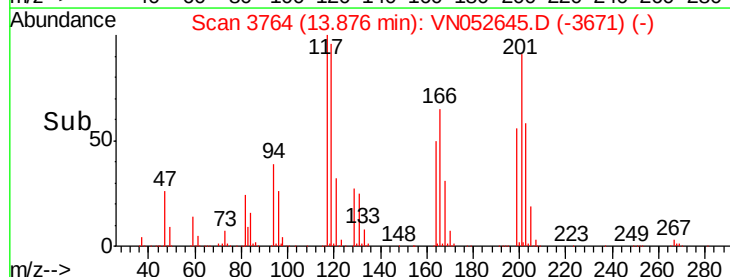
117 100

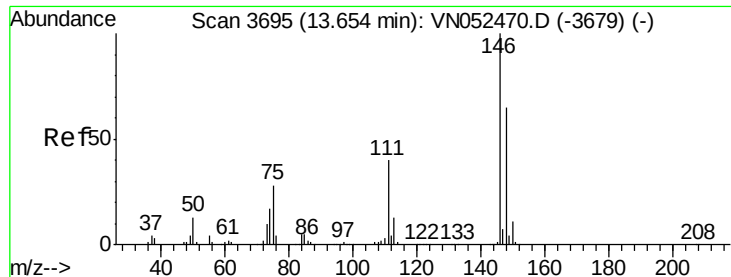
201 91.0 43.6 130.9



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

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

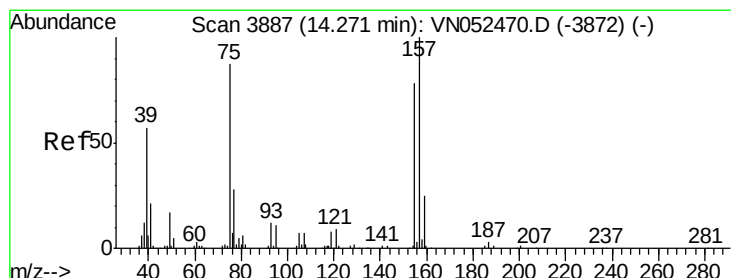
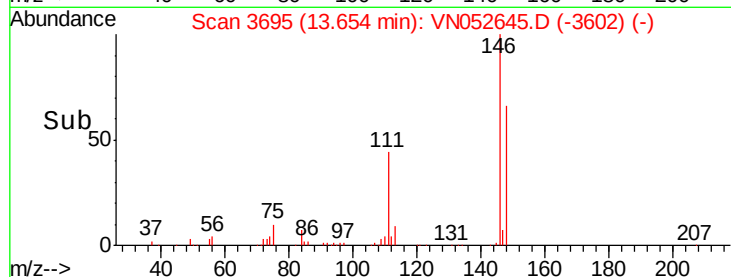
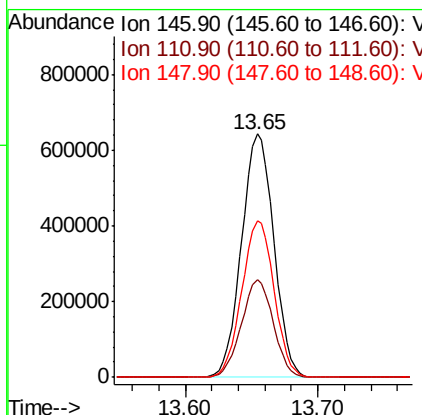
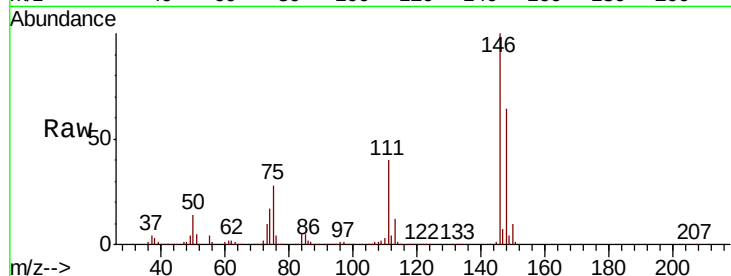




#91
 1,2-Dichlorobenzene
 Concen: 50.331 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

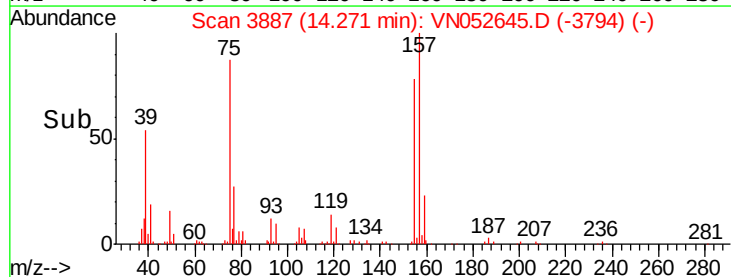
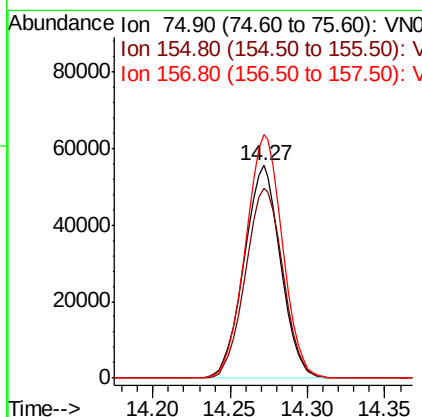
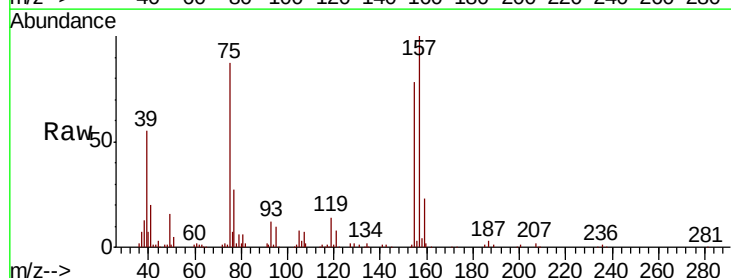
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

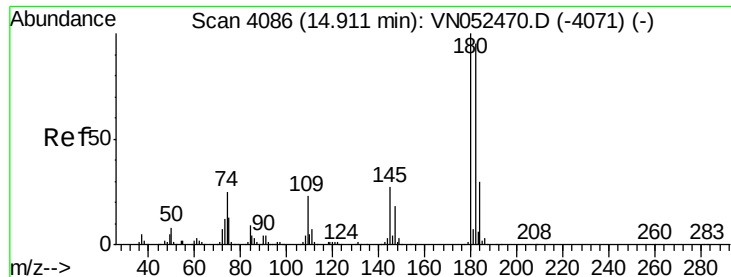
Tot Ion:146 Resp: 1086005
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.0 60.0
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.716 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion: 75 Resp: 91288
 Ion Ratio Lower Upper
 75 100
 155 91.5 45.3 135.9
 157 115.7 58.1 174.2

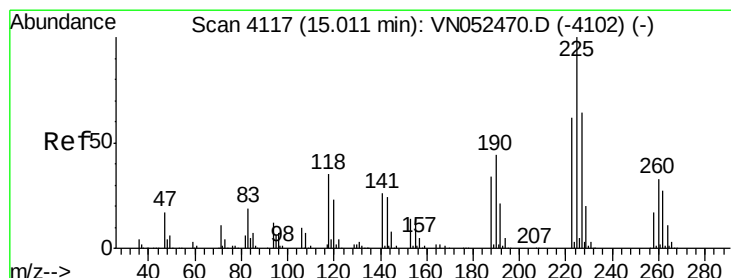
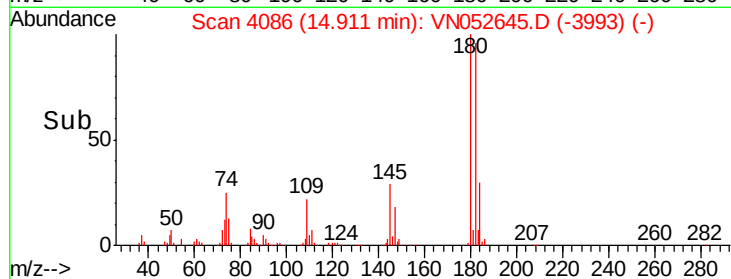
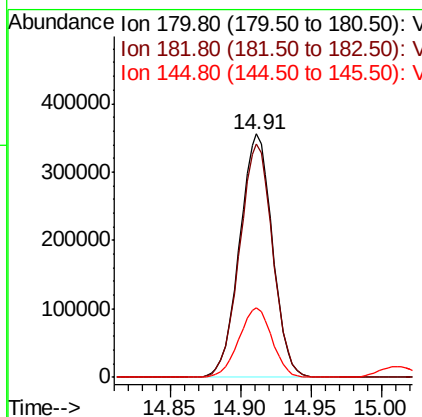
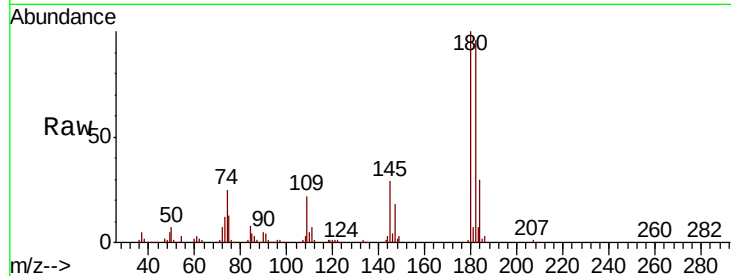




#93
 1,2,4-Trichlorobenzene
 Concen: 49.173 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

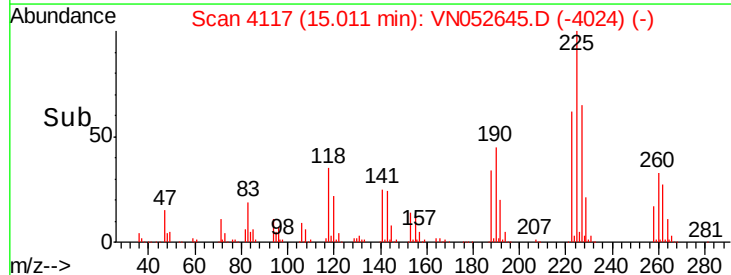
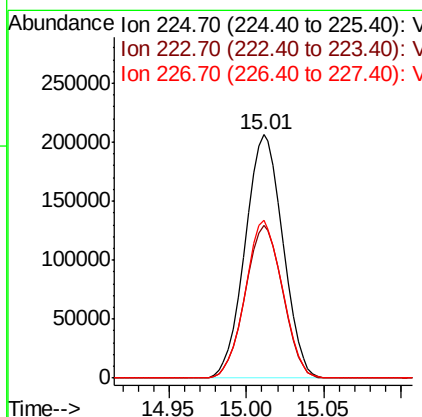
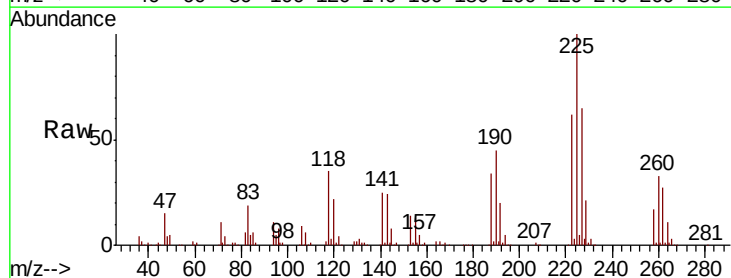
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

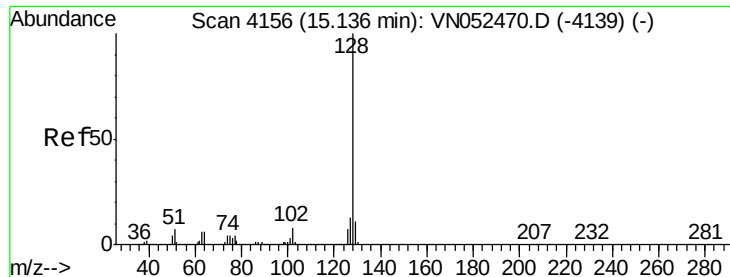
Tot Ion:180 Resp: 580640
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.8 143.4
 145 28.8 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 50.523 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052645.D
 Acq: 4 Dec 2018 10:47

Tgt Ion:225 Resp: 350700
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.2
 227 63.7 32.5 97.4





#95

Naphthalene

Concen: 47.979 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

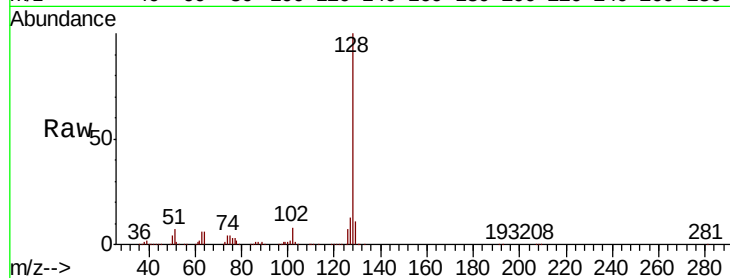
Tot Ion:128 Resp: 1198952

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

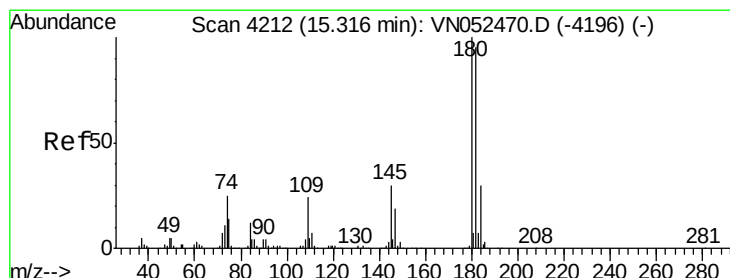
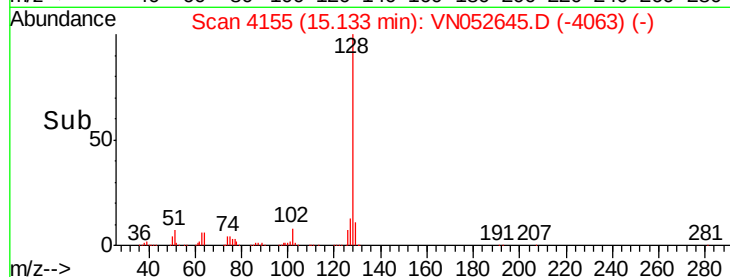
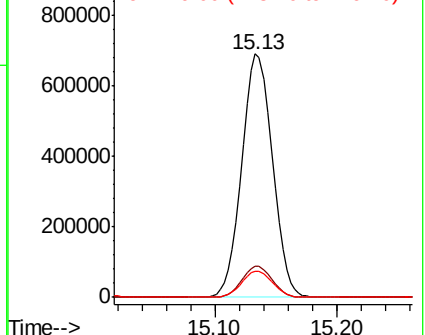
129 10.8 8.7 13.1



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: 48.906 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052645.D

Acq: 4 Dec 2018 10:47

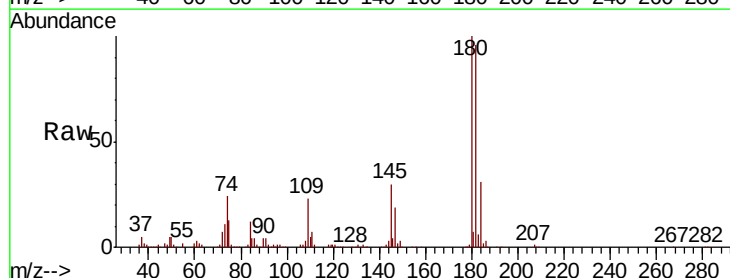
Tgt Ion:180 Resp: 530815

Ion Ratio Lower Upper

180 100

182 96.1 47.8 143.3

145 30.4 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

