

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052194.D
 Acq On : 6 Nov 2018 16:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 06 17:05:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	358050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	590847	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	259232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	221434	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	194452	53.01	ug/l	0.00
Spiked Amount			Recovery	=	106.02%	
50) Toluene-d8	10.09	98	736050	51.90	ug/l	0.00
Spiked Amount			Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	259467	55.73	ug/l	0.00
Spiked Amount			Recovery	=	111.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	151882	48.645	ug/l	97
3) Chloromethane	2.06	50	201978	47.929	ug/l	98
4) Vinyl Chloride	2.19	62	191462	47.436	ug/l	99
5) Bromomethane	2.57	94	139786	46.326	ug/l	99
6) Chloroethane	2.71	64	122656	47.528	ug/l	100
7) Trichlorofluoromethane	3.02	101	277449	47.322	ug/l	98
8) Diethyl Ether	3.41	74	105841	51.672	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	172065	49.112	ug/l	99
10) Methyl Iodide	3.96	142	239096	48.336	ug/l	100
11) Tert butyl alcohol	4.78	59	57435	311.185	ug/l	100
12) 1,1-Dichloroethene	3.74	96	153994	46.686	ug/l	99
13) Acrolein	3.61	56	40857	223.916	ug/l	98
14) Allyl chloride	4.33	41	287065	52.145	ug/l	98
15) Acrylonitrile	4.99	53	340207	281.558	ug/l	100
16) Acetone	3.82	43	243189	252.817	ug/l	96
17) Carbon Disulfide	4.06	76	436460	46.370	ug/l	100
18) Methyl Acetate	4.32	43	159888	52.306	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	482638	53.168	ug/l	95
20) Methylene Chloride	4.55	84	199534	49.923	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	175871	48.092	ug/l	96
22) Diisopropyl ether	5.95	45	634310	52.524	ug/l	98
23) Vinyl Acetate	5.90	43	2255879	282.599	ug/l	99
24) 1,1-Dichloroethane	5.85	63	340954	49.693	ug/l	98
25) 2-Butanone	6.84	43	401136	268.933	ug/l	95
26) 2,2-Dichloropropane	6.83	77	249402	46.445	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	213745	51.366	ug/l	96
28) Bromochloromethane	7.19	49	176146	54.261	ug/l	98
29) Tetrahydrofuran	7.21	42	267261	289.594	ug/l	99
30) Chloroform	7.37	83	350711	51.296	ug/l	96
31) Cyclohexane	7.65	56	310527	49.008	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	294236	48.852	ug/l	99
36) 1,1-Dichloropropene	7.79	75	259837	49.712	ug/l	99
37) Ethyl Acetate	6.93	43	180193	55.973	ug/l #	96
38) Carbon Tetrachloride	7.78	117	262276	50.190	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
 Data File : VN052194.D
 Acq On : 6 Nov 2018 16:45
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 06 17:05:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 05 22:32:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	319913	51.680	ug/l	99
40) Benzene	8.04	78	782191	50.906	ug/l	100
41) Methacrylonitrile	7.17	41	95108	52.603	ug/l	97
42) 1,2-Dichloroethane	8.12	62	262213	53.085	ug/l	100
43) Isopropyl Acetate	8.17	43	327787	54.963	ug/l #	91
44) Trichloroethene	8.84	130	207738	51.066	ug/l	100
45) 1,2-Dichloropropane	9.12	63	215601	52.983	ug/l	97
46) Dibromomethane	9.21	93	137374	53.084	ug/l	98
47) Bromodichloromethane	9.40	83	271202	53.735	ug/l	98
48) Methyl methacrylate	9.20	41	165419	57.630	ug/l	99
49) 1,4-Dioxane	9.20	88	31848	1312.190	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	920077	292.022	ug/l	99
52) Toluene	10.16	92	491691	53.066	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	275520	55.647	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	317845	54.860	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	184318	56.422	ug/l	98
56) Ethyl methacrylate	10.43	69	243702	57.232	ug/l	98
57) 1,3-Dichloropropane	10.71	76	313048	54.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	673081	293.718	ug/l	99
59) 2-Hexanone	10.75	43	636927	290.399	ug/l	99
60) Dibromochloromethane	10.90	129	206574	55.605	ug/l	98
61) 1,2-Dibromoethane	11.01	107	186202	56.151	ug/l	99
64) Tetrachloroethene	10.63	164	184438	51.290	ug/l	97
65) Chlorobenzene	11.43	112	563708	49.827	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	206512	54.355	ug/l	97
67) Ethyl Benzene	11.51	91	950879	50.604	ug/l	99
68) m/p-Xylenes	11.62	106	748872	103.286	ug/l	98
69) o-Xylene	11.95	106	359478	51.124	ug/l	100
70) Styrene	11.96	104	583329	52.405	ug/l	99
71) Bromoform	12.13	173	126093	49.785	ug/l #	97
73) Isopropylbenzene	12.25	105	950373	48.487	ug/l	99
74) N-amyl acetate	12.07	43	313535	53.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226506	52.794	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	198877m	48.749	ug/l	
77) Bromobenzene	12.53	156	228682	48.927	ug/l	96
78) n-propylbenzene	12.59	91	1093907	48.834	ug/l	99
79) 2-Chlorotoluene	12.67	91	632951	48.185	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	775234	48.863	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	62253	54.639	ug/l	98
82) 4-Chlorotoluene	12.77	91	646164	48.942	ug/l	100
83) tert-Butylbenzene	12.99	119	688195	49.124	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	780801	49.439	ug/l	99
85) sec-Butylbenzene	13.17	105	930081	49.098	ug/l	100
86) p-Isopropyltoluene	13.29	119	800226	50.189	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	412757	49.972	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	411231	49.811	ug/l	99
89) n-Butylbenzene	13.61	91	686947	49.757	ug/l	99
90) Hexachloroethane	13.87	117	135112	50.281	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	389009	50.185	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31005	54.745	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110618\
Data File : VN052194.D
Acq On : 6 Nov 2018 16:45
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 06 17:05:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 22:32:25 2018
Response via : Initial Calibration

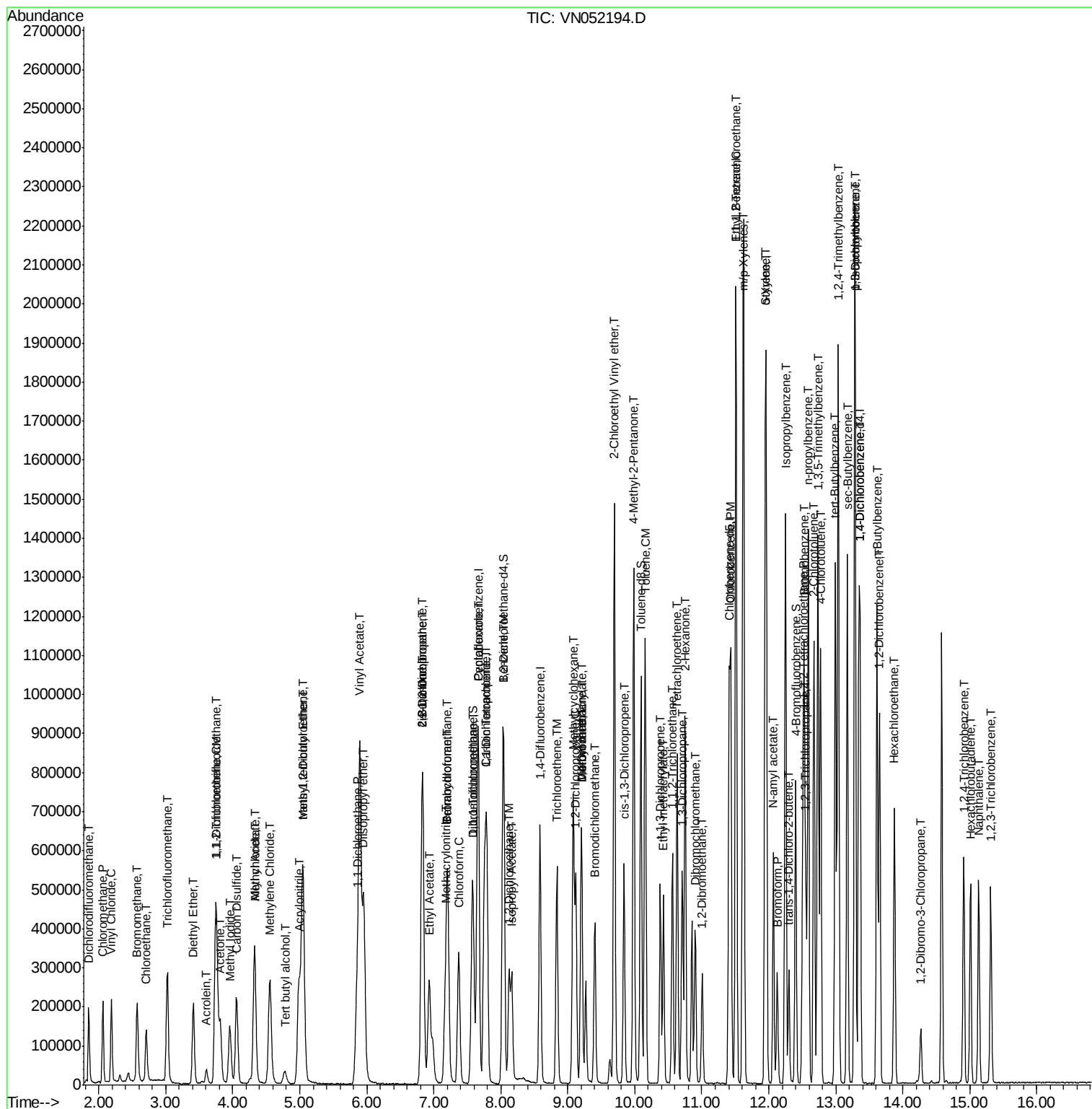
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	184223	50.375	ug/l	99
94) Hexachlorobutadiene	15.01	225	90320	49.580	ug/l	98
95) Naphthalene	15.13	128	441266	55.587	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	162566	51.580	ug/l	98

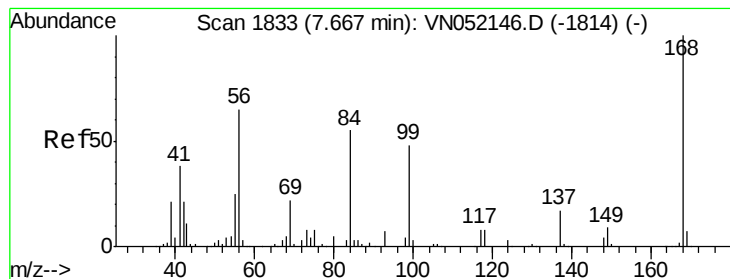
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN110618\
Data File : VN052194.D
Acq On : 6 Nov 2018 16:45
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 19 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 06 17:05:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110518W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 05 22:32:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

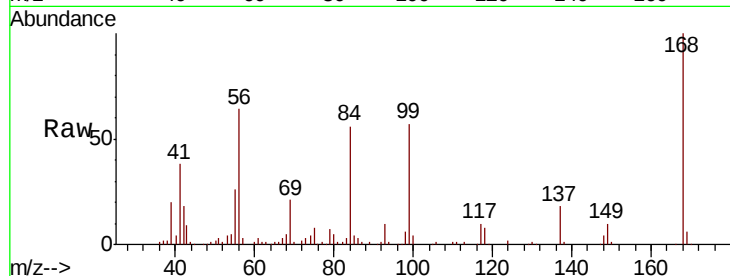
VSTDCCC050EC

Tot Ion:168 Resp: 358050

Ion Ratio Lower Upper

168 100

99 57.0 45.4 68.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

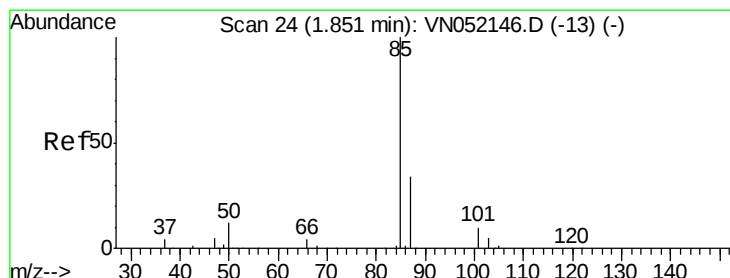
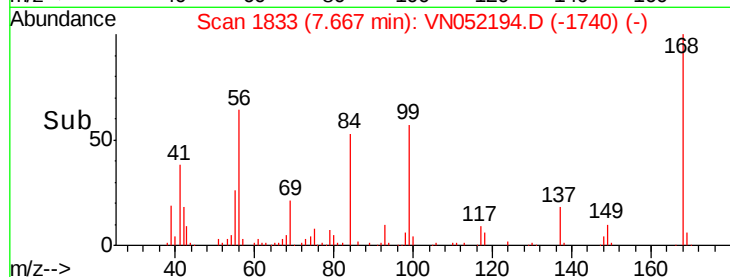
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.645 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052194.D

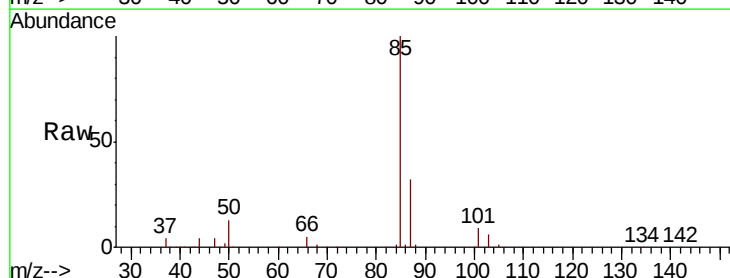
Acq: 6 Nov 2018 16:45

Tgt Ion: 85 Resp: 151882

Ion Ratio Lower Upper

85 100

87 32.2 17.0 51.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

120000

100000

80000

60000

40000

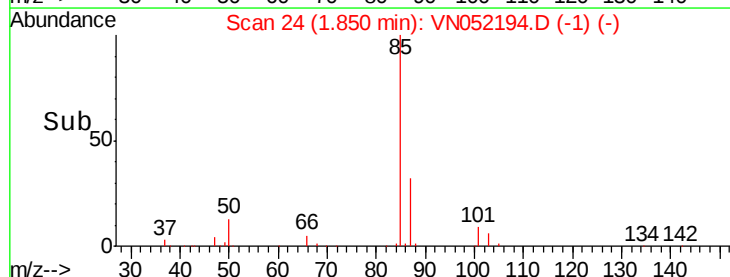
20000

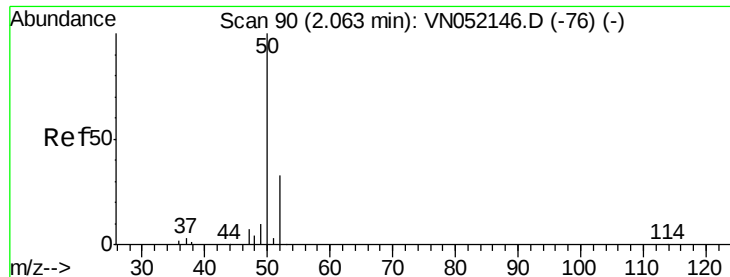
0

1.85

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 47.929 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

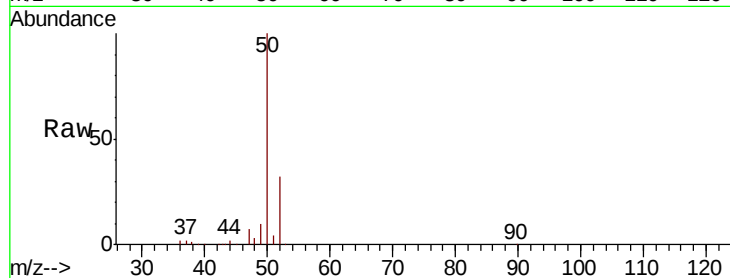
VSTDCCC050EC

Tot Ion: 50 Resp: 201978

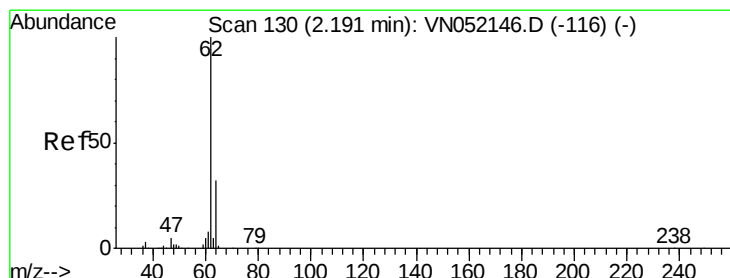
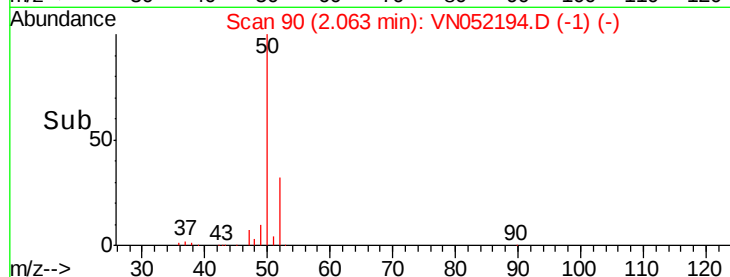
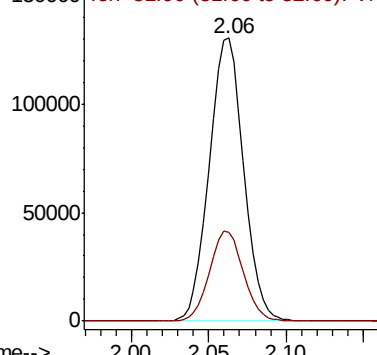
Ion Ratio Lower Upper

50 100

52 31.4 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 47.436 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052194.D

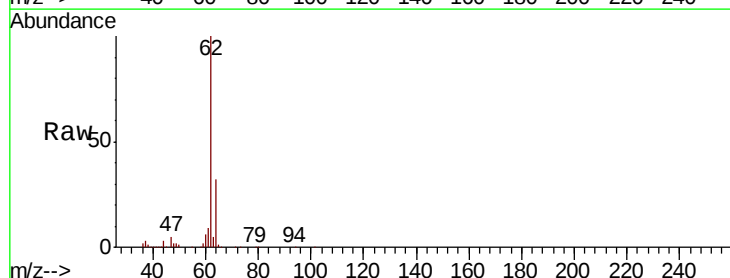
Acq: 6 Nov 2018 16:45

Tgt Ion: 62 Resp: 191462

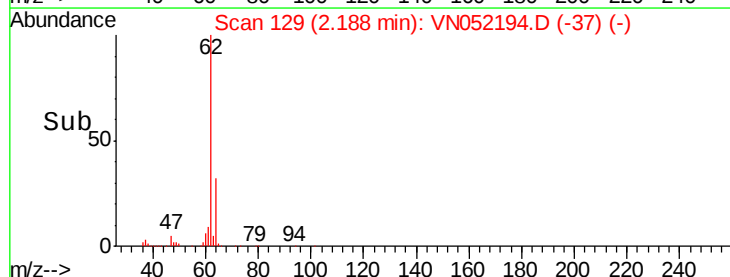
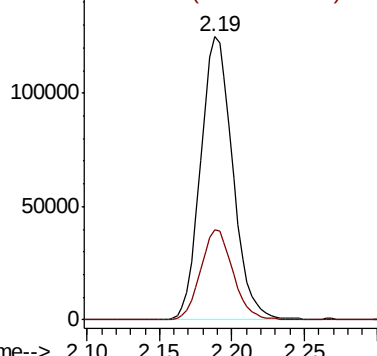
Ion Ratio Lower Upper

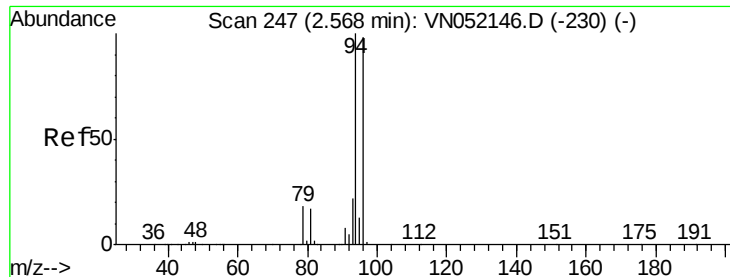
62 100

64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.326 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

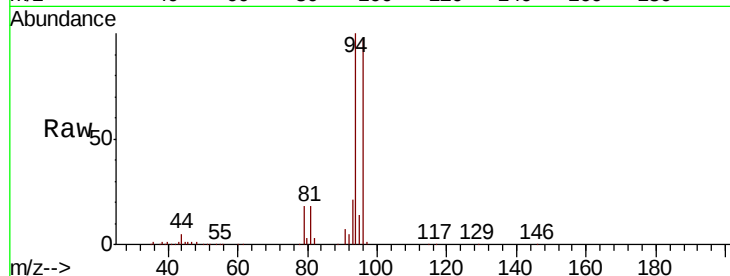
VSTDCCC050EC

Tot Ion: 94 Resp: 139786

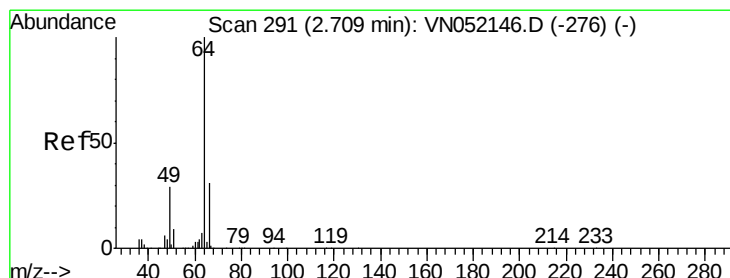
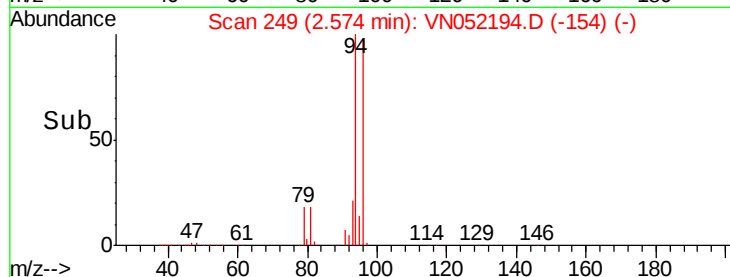
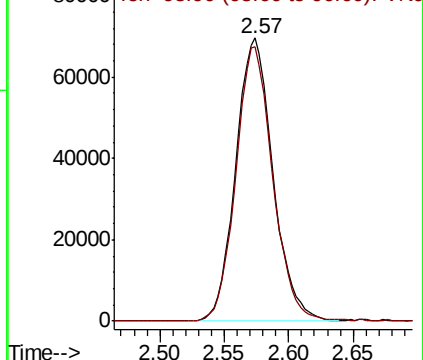
Ion Ratio Lower Upper

94 100

96 96.7 78.3 117.5



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 47.528 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052194.D

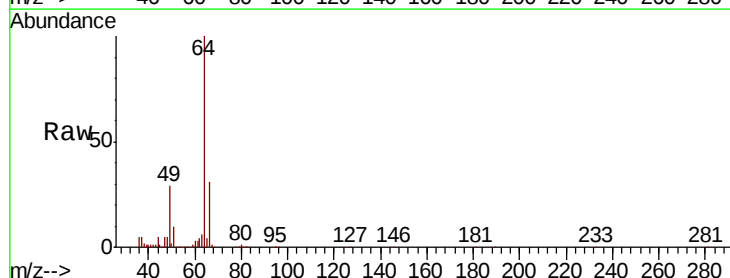
Acq: 6 Nov 2018 16:45

Tgt Ion: 64 Resp: 122656

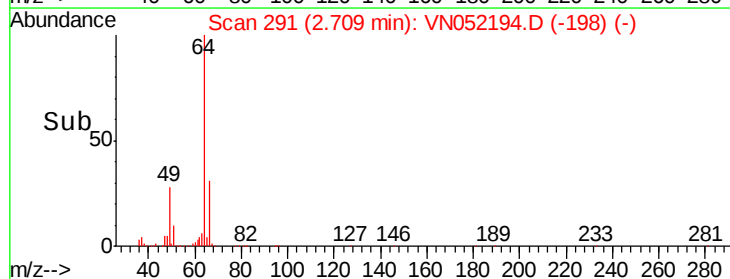
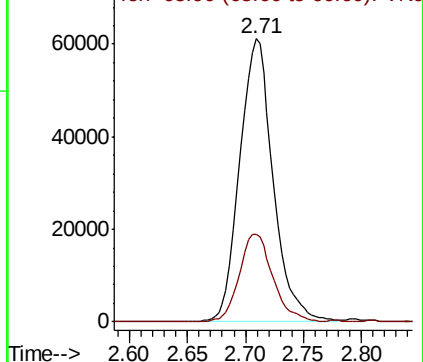
Ion Ratio Lower Upper

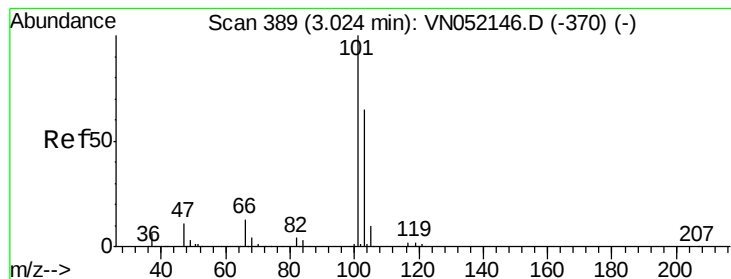
64 100

66 30.7 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



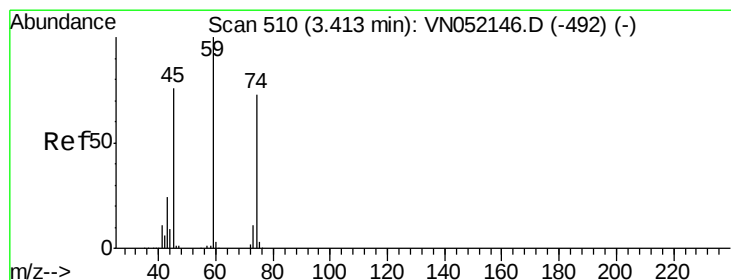
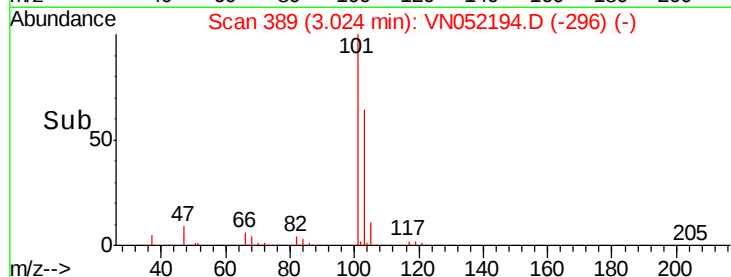
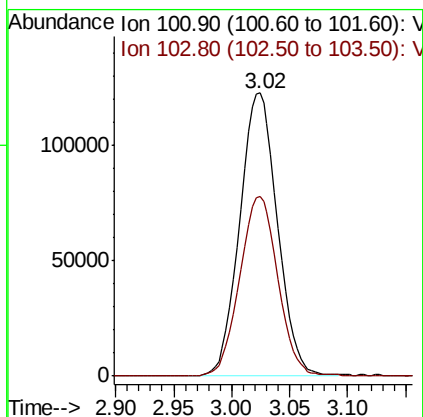
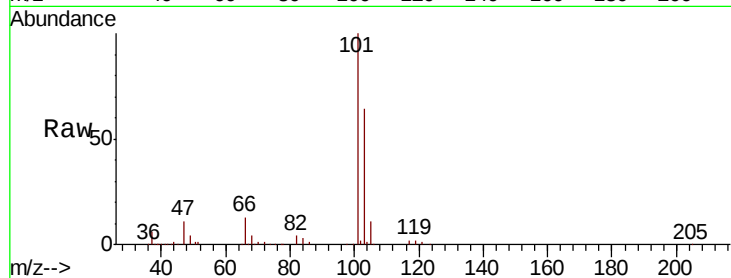


#7

Trichlorofluoromethane
 Concen: 47.322 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

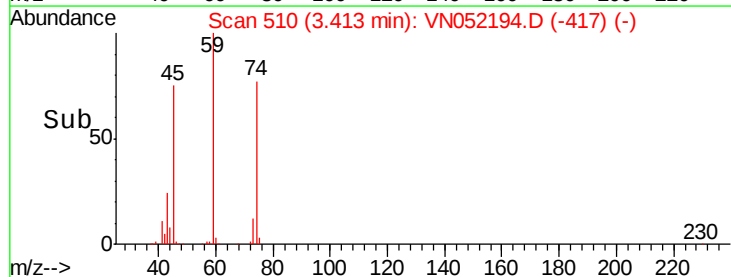
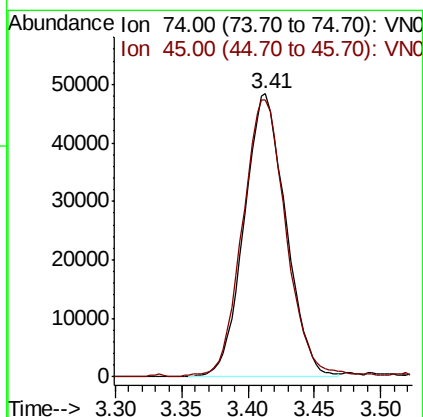
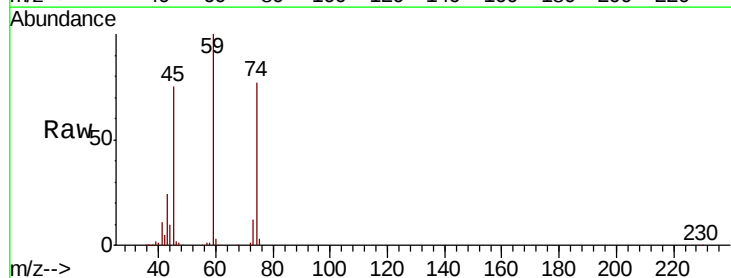
Tot Ion:101 Resp: 277449
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.2 78.4

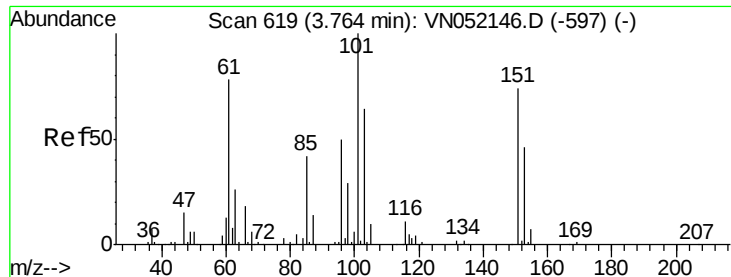


#8

Diethyl Ether
 Concen: 51.672 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 74 Resp: 105841
 Ion Ratio Lower Upper
 74 100
 45 102.9 49.1 147.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.112 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

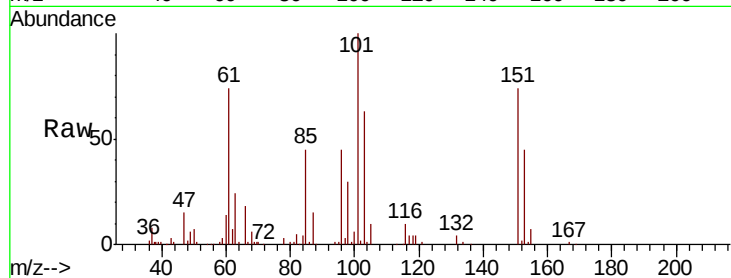
Tot Ion:101 Resp: 172065

Ion Ratio Lower Upper

101 100

85 44.6 36.1 54.1

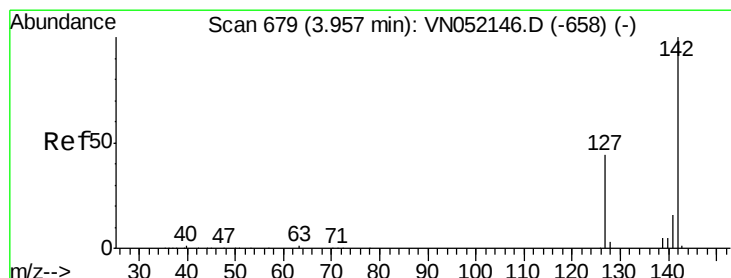
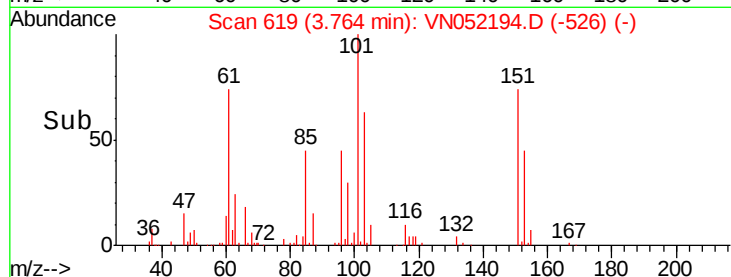
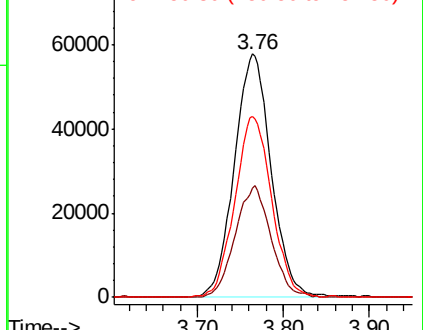
151 74.2 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.336 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

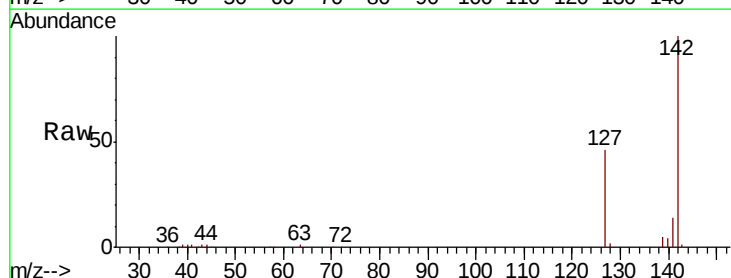
Tgt Ion:142 Resp: 239096

Ion Ratio Lower Upper

142 100

127 45.1 36.0 54.0

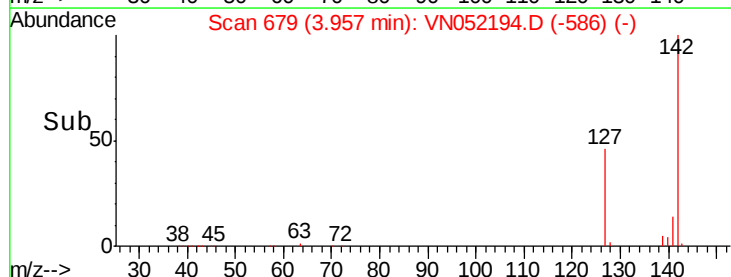
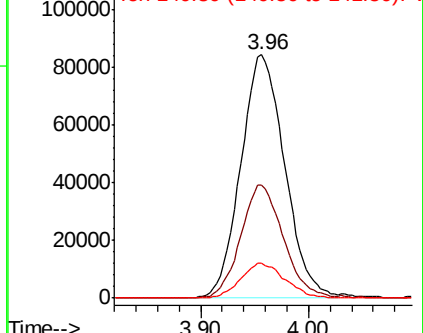
141 14.5 11.8 17.6

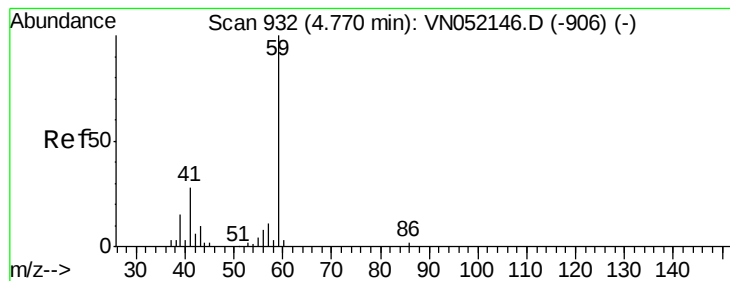


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



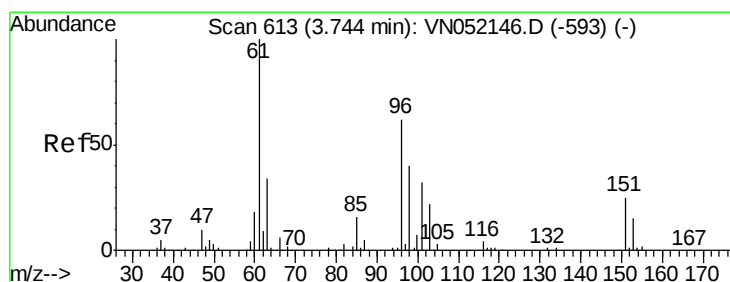
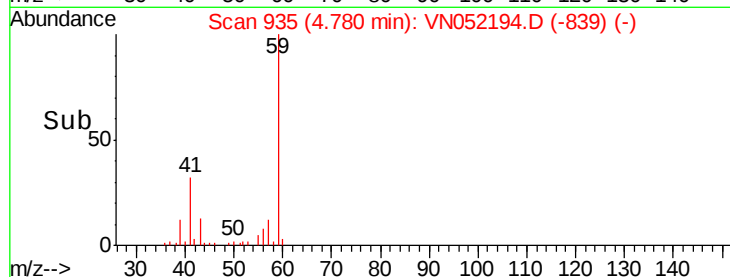
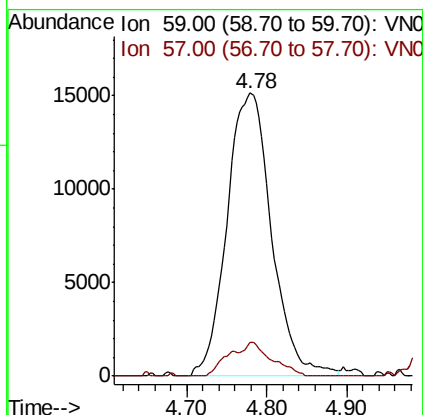
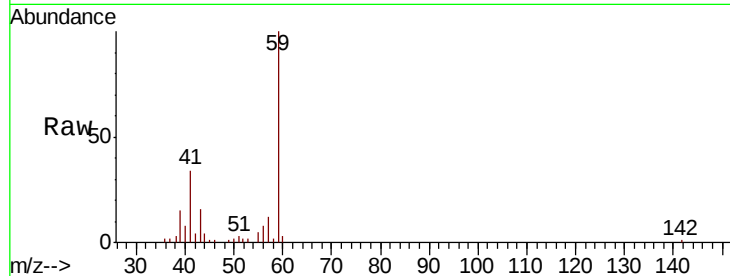


#11

Tert butyl alcohol
 Concen: 311.185 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

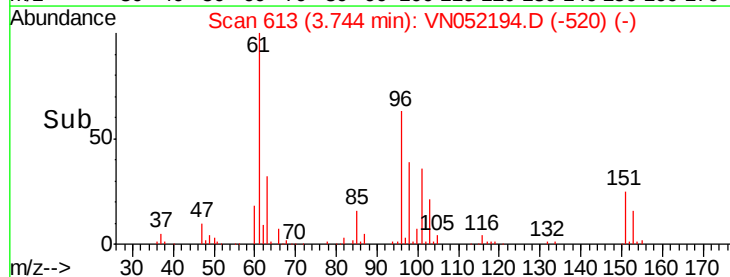
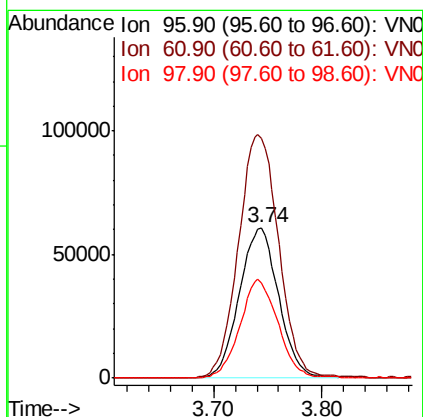
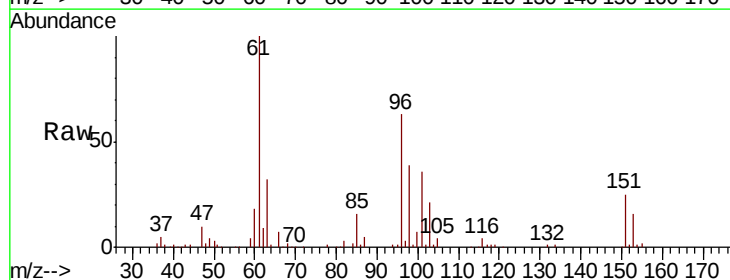
Tot Ion: 59 Resp: 57435
 Ion Ratio Lower Upper
 59 100
 57 7.1 5.7 8.5

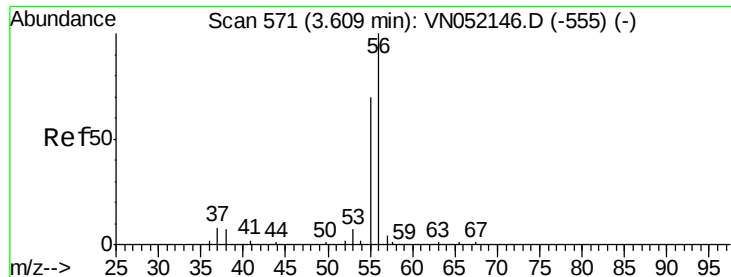


#12

1,1-Dichloroethene
 Concen: 46.686 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 96 Resp: 153994
 Ion Ratio Lower Upper
 96 100
 61 159.3 128.4 192.6
 98 62.8 50.9 76.3

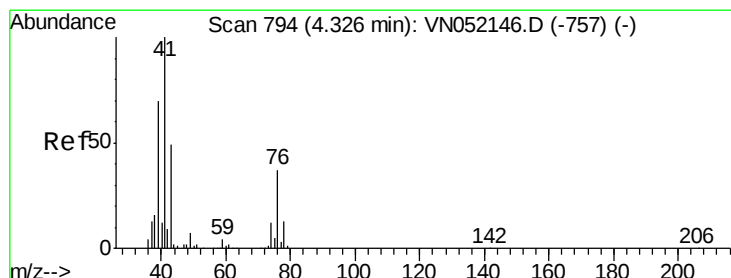
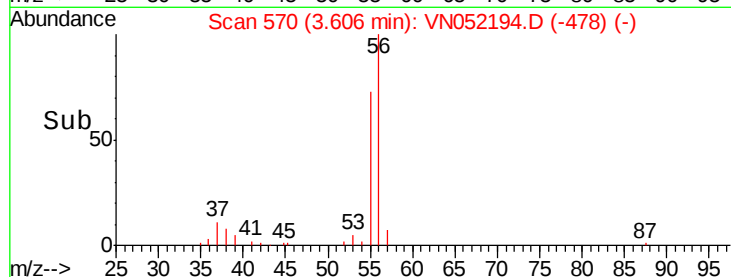
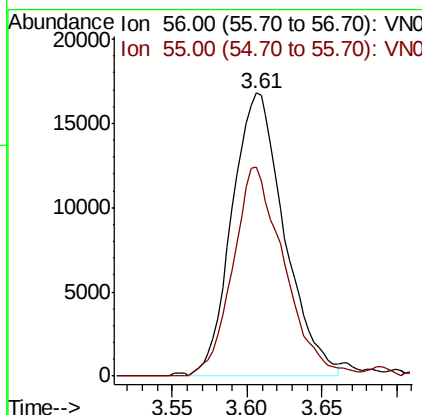
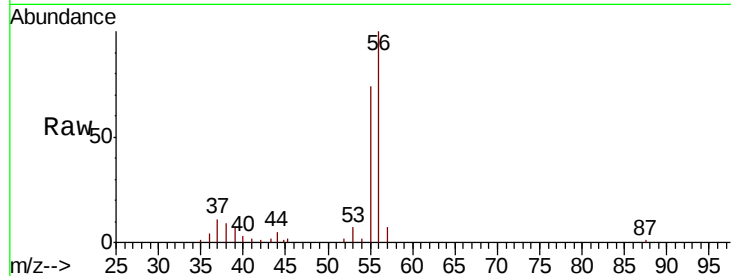




#13
Acrolein
Concen: 223.916 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

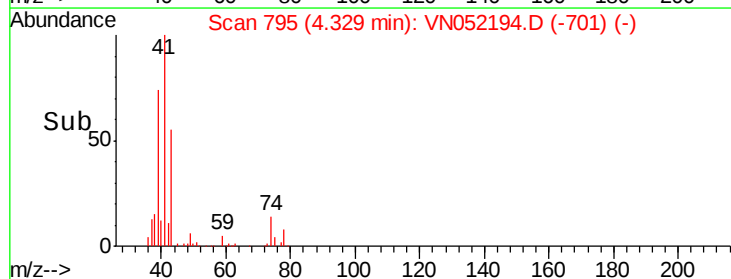
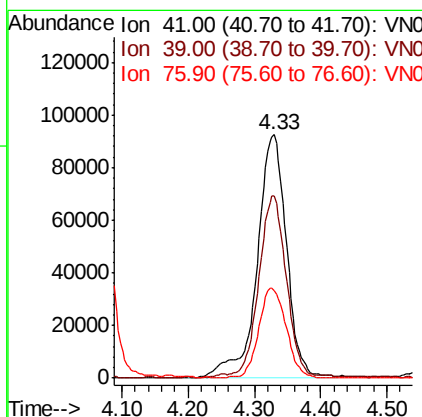
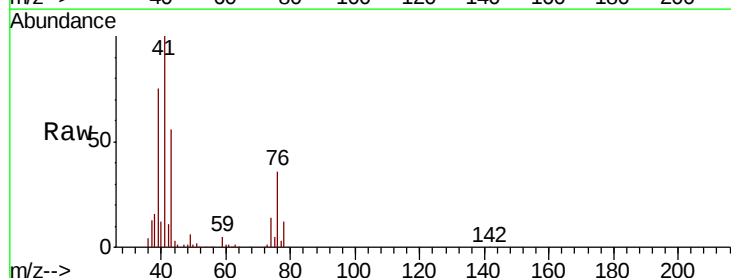
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

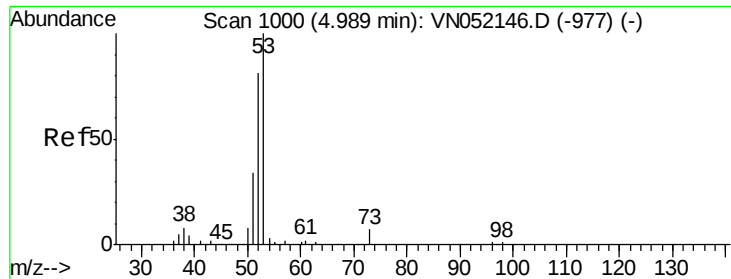
Tot Ion: 56 Resp: 40857
Ion Ratio Lower Upper
56 100
55 72.7 56.6 84.8



#14
Allyl chloride
Concen: 52.145 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 41 Resp: 287065
Ion Ratio Lower Upper
41 100
39 67.2 55.3 82.9
76 33.8 27.8 41.8





#15

Acrylonitrile

Concen: 281.558 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

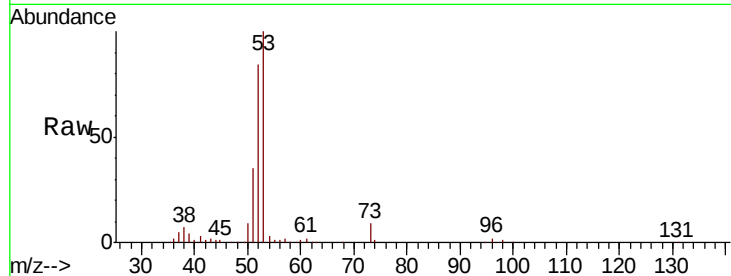
Tot Ion: 53 Resp: 340207

Ion Ratio Lower Upper

53 100

52 82.9 66.5 99.7

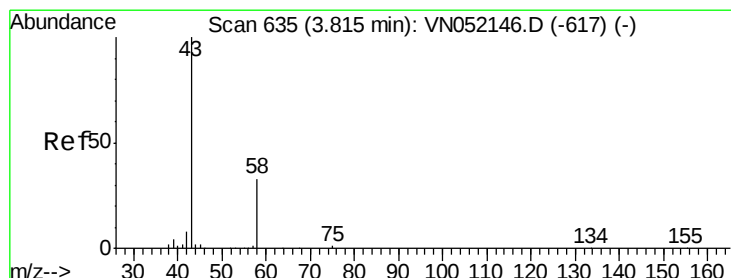
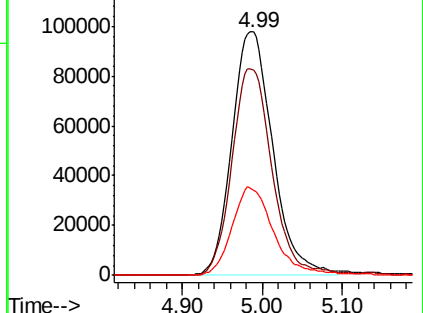
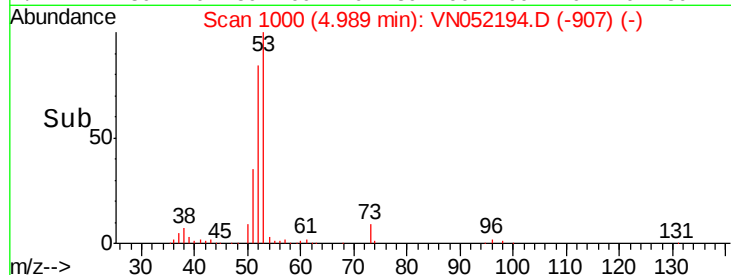
51 36.8 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN052194.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN052194.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN052194.D (-907) (-)



#16

Acetone

Concen: 252.817 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052194.D

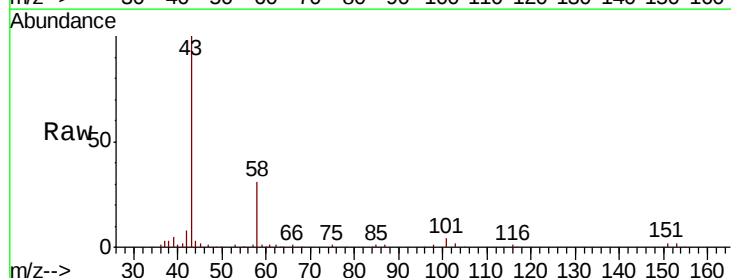
Acq: 6 Nov 2018 16:45

Tgt Ion: 43 Resp: 243189

Ion Ratio Lower Upper

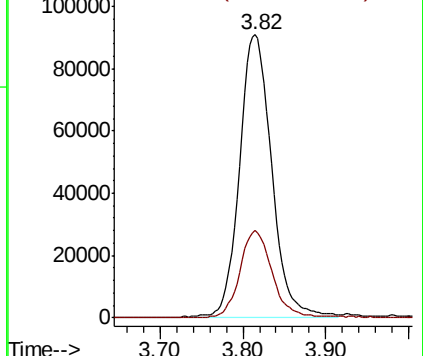
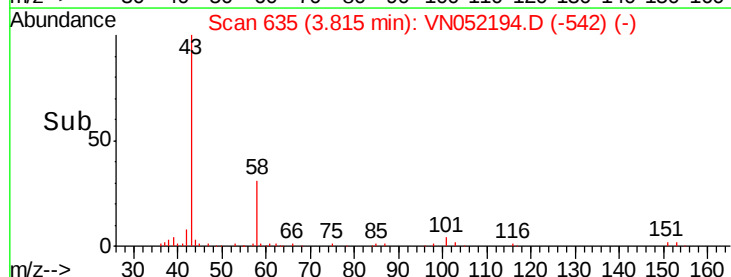
43 100

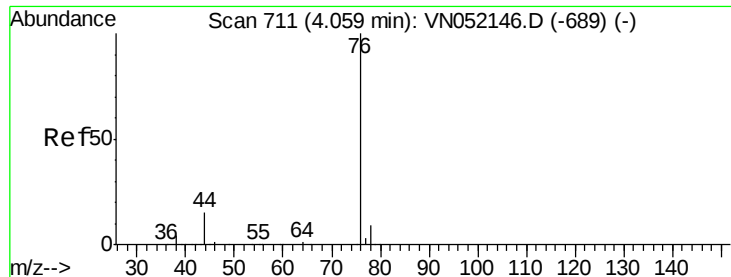
58 30.6 26.2 39.2



Abundance Ion 43.00 (42.70 to 43.70): VN052194.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052194.D (-542) (-)

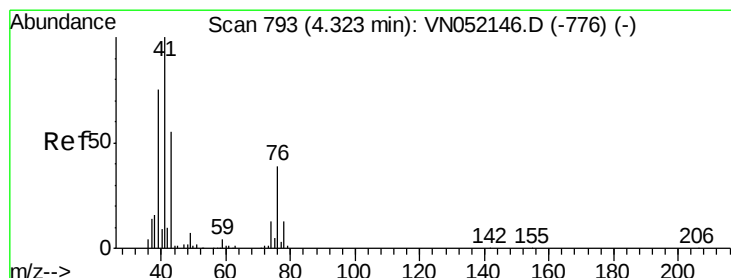
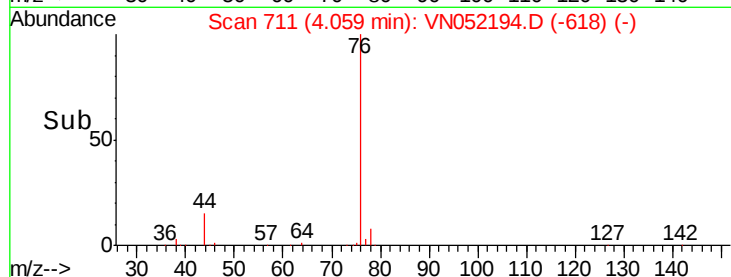
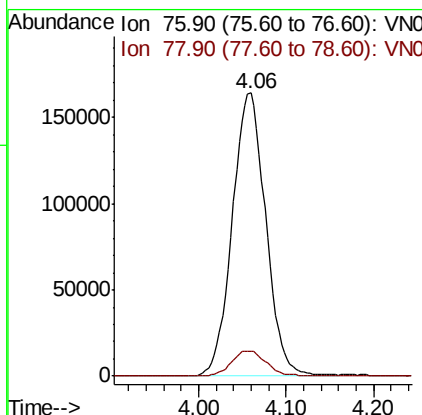
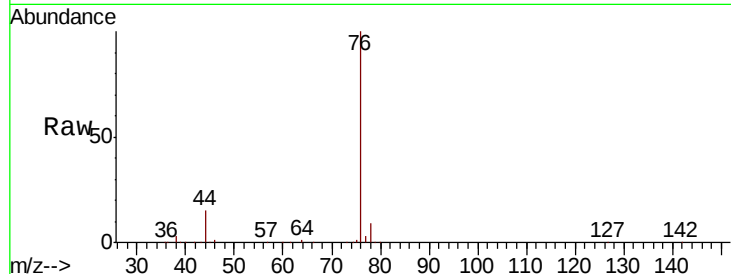




#17
Carbon Disulfide
Concen: 46.370 ug/l
RT: 4.06 min Scan# 711
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

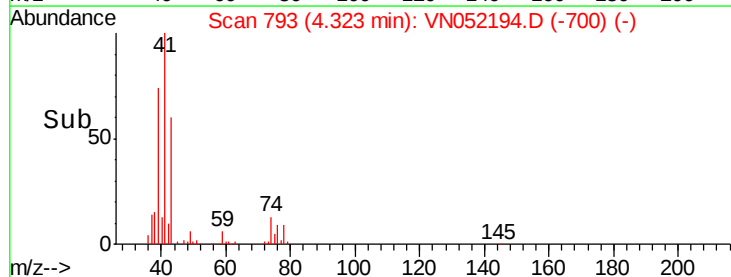
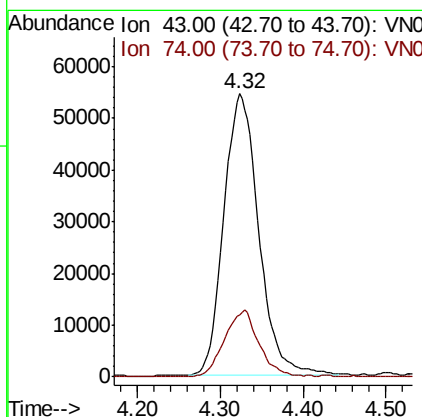
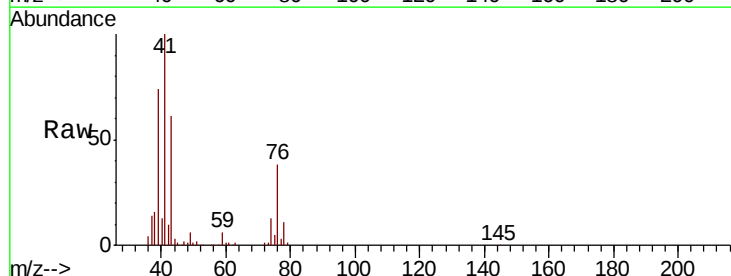
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

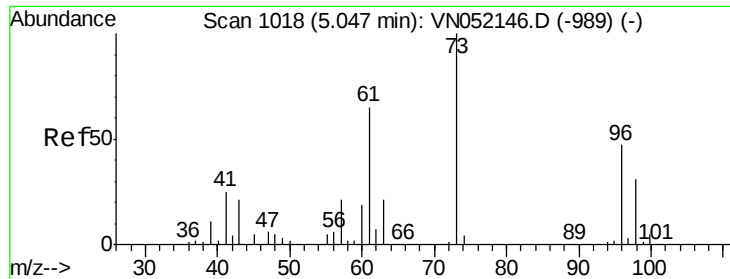
Tot Ion: 76 Resp: 436460
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 52.306 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 43 Resp: 159888
Ion Ratio Lower Upper
43 100
74 23.3 19.3 28.9

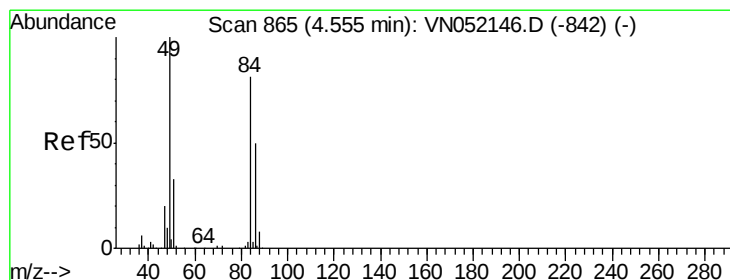
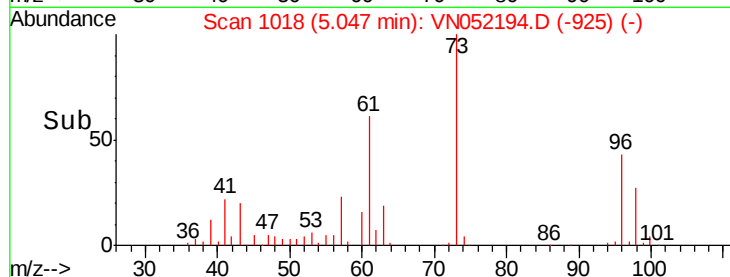
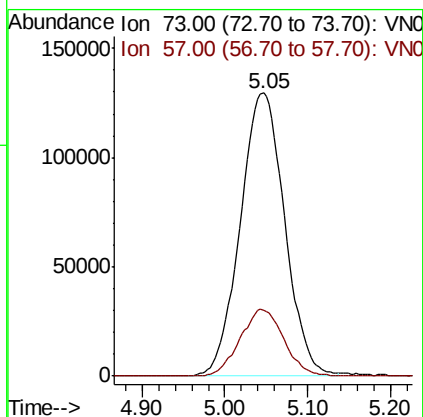
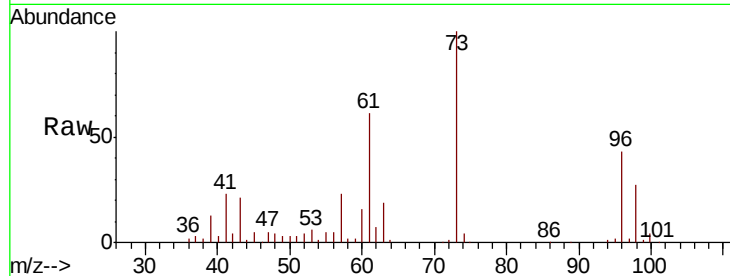




#19
Methyl tert-butyl Ether
Concen: 53.168 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

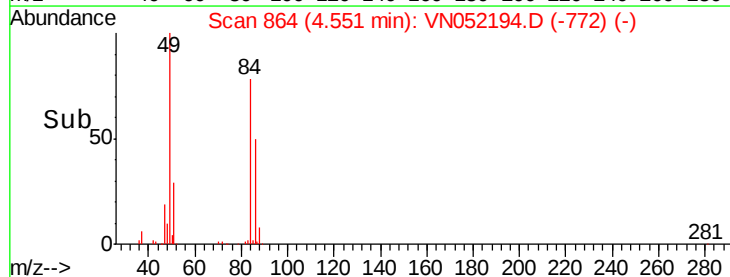
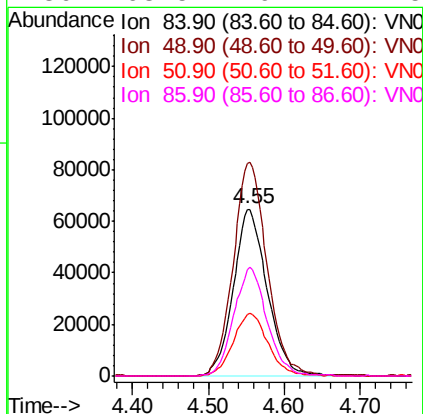
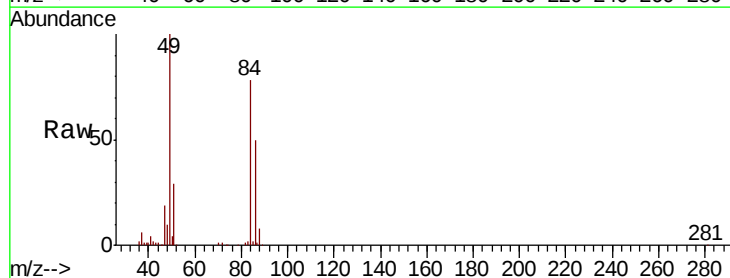
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

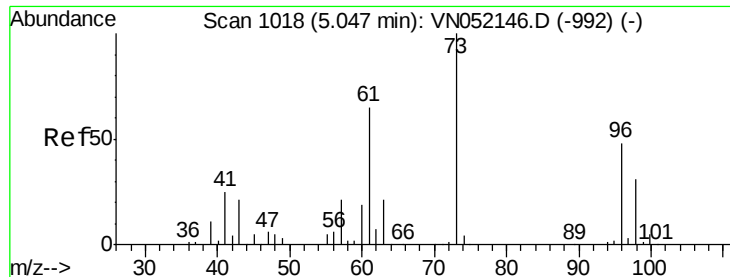
Tot Ion: 73 Resp: 482638
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#20
Methylene Chloride
Concen: 49.923 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 84 Resp: 199534
Ion Ratio Lower Upper
84 100
49 127.7 98.4 147.6
51 36.8 32.5 48.7
86 63.5 49.7 74.5

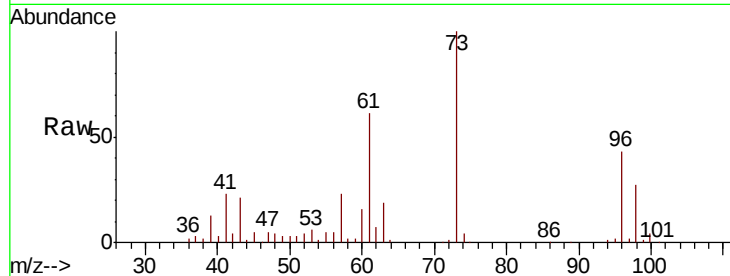




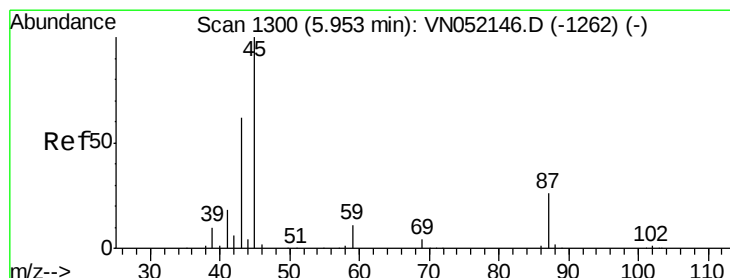
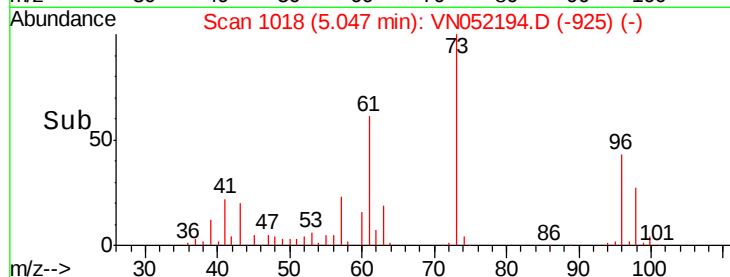
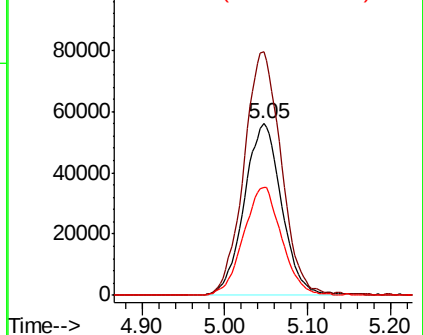
#21
trans-1,2-Dichloroethene
Concen: 48.092 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 175871
Ion Ratio Lower Upper
96 100
61 142.1 109.6 164.4
98 63.2 52.0 78.0

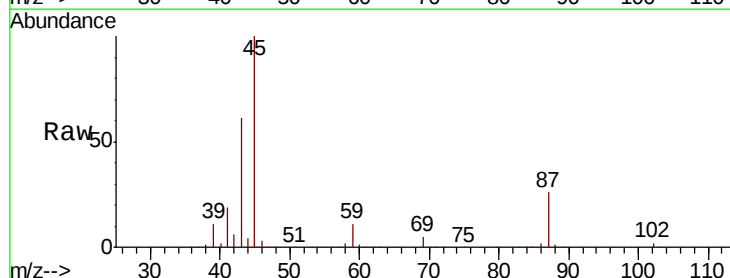


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

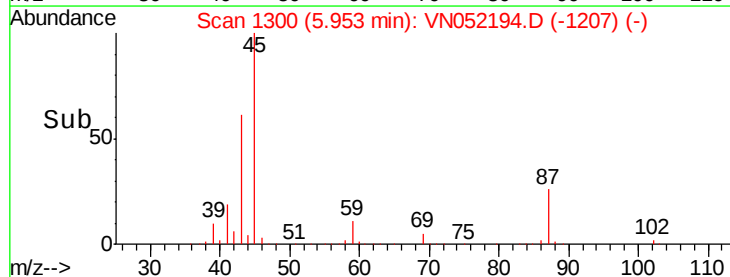
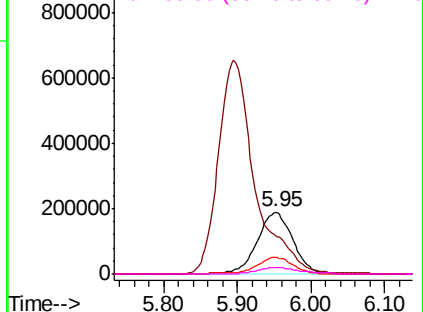


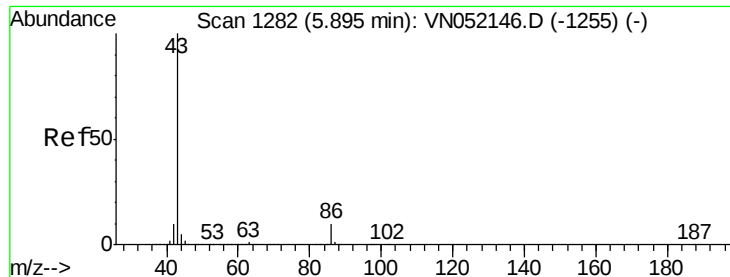
#22
Diisopropyl ether
Concen: 52.524 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 45 Resp: 634310
Ion Ratio Lower Upper
45 100
43 59.9 49.8 74.6
87 25.9 21.1 31.7
59 10.9 8.9 13.3



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

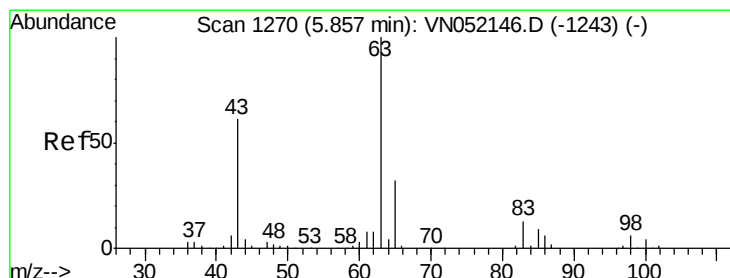
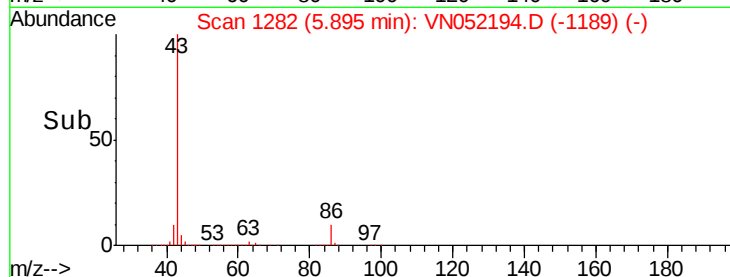
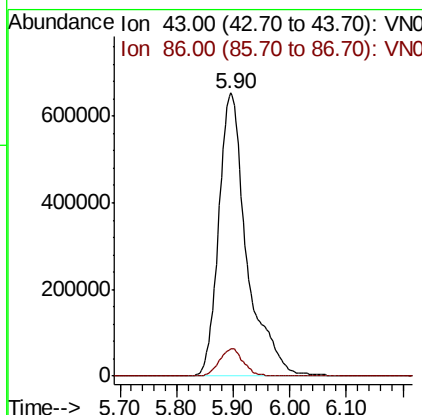
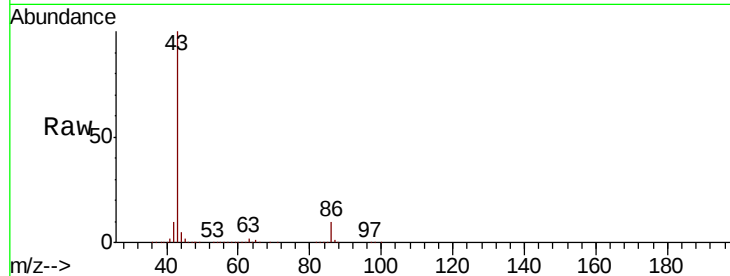




#23
 Vinyl Acetate
 Concen: 282.599 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

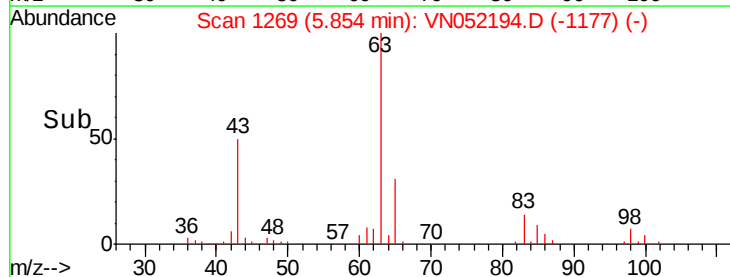
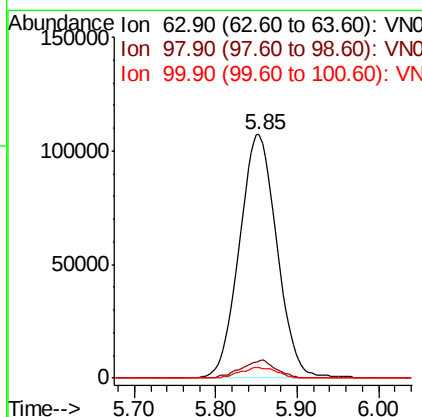
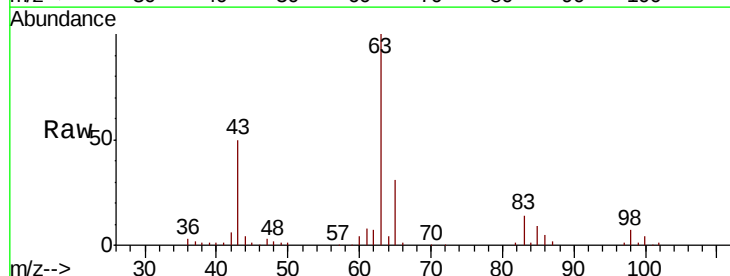
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

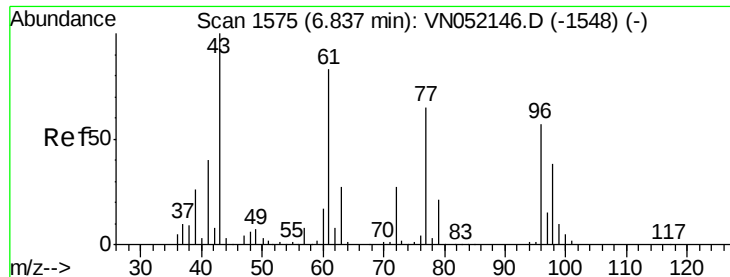
Tot Ion: 43 Resp: 2255879
 Ion Ratio Lower Upper
 43 100
 86 9.6 7.9 11.9



#24
 1,1-Dichloroethane
 Concen: 49.693 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 63 Resp: 340954
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.1 9.4
 100 4.4 2.1 6.2

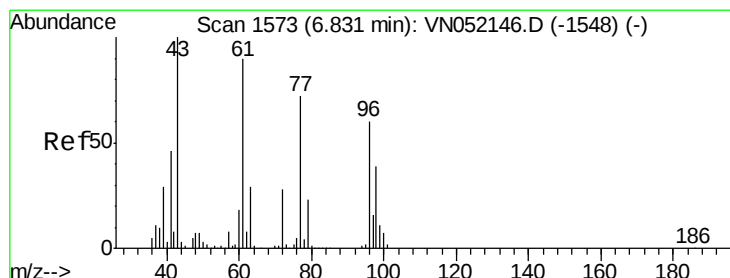
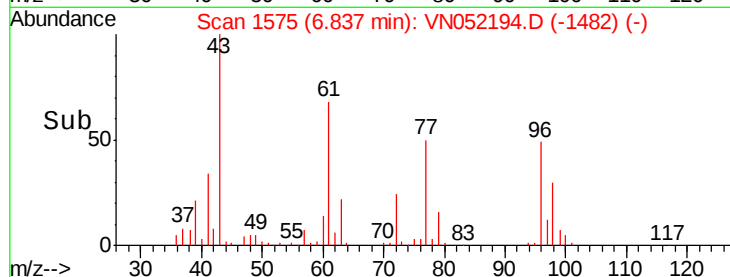
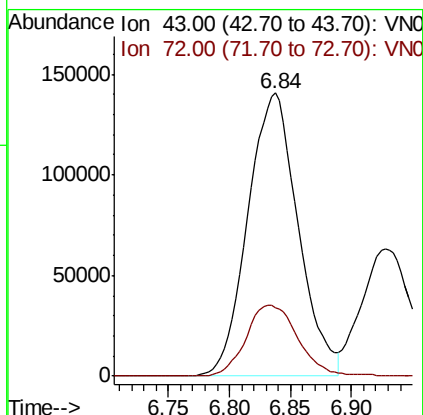
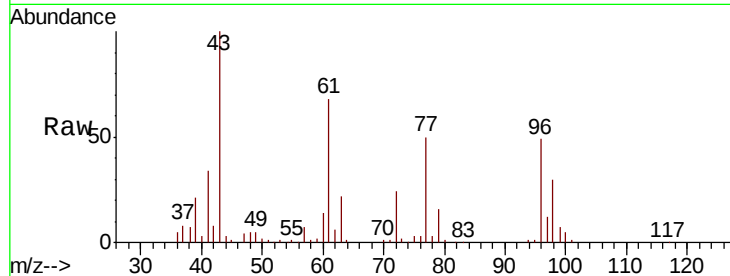




#25
2-Butanone
Concen: 268.933 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

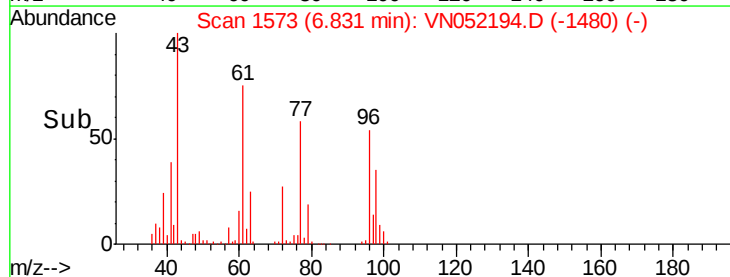
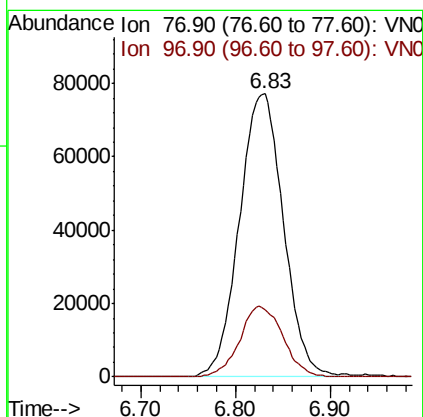
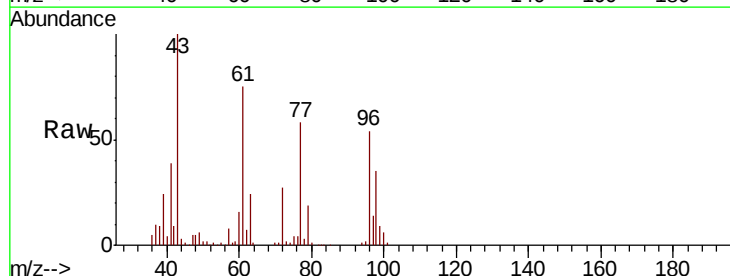
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

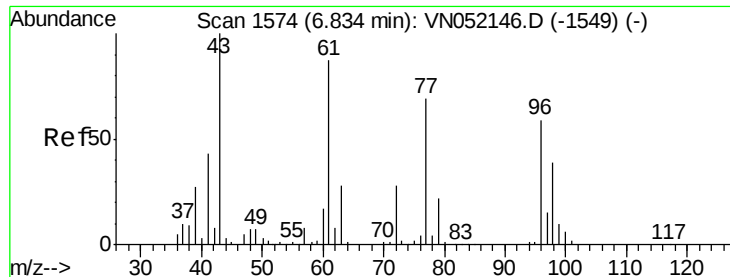
Tot Ion: 43 Resp: 401136
Ion Ratio Lower Upper
43 100
72 24.2 21.4 32.2



#26
2,2-Dichloropropane
Concen: 46.445 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 77 Resp: 249402
Ion Ratio Lower Upper
77 100
97 24.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 51.366 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

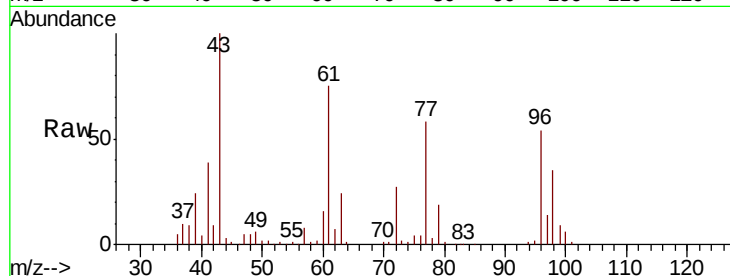
Tot Ion: 96 Resp: 213745

Ion Ratio Lower Upper

96 100

61 141.4 0.0 291.8

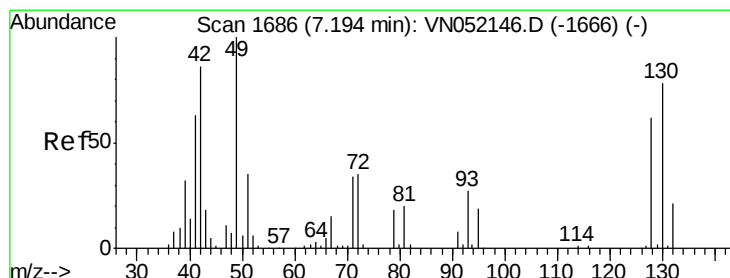
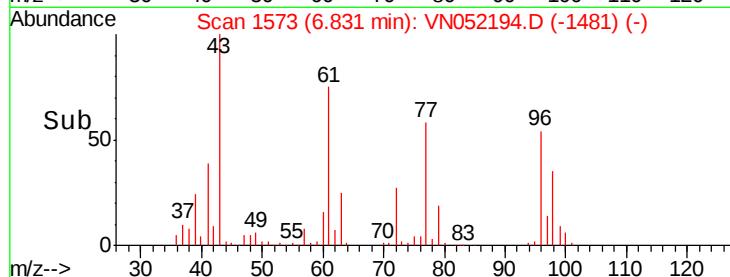
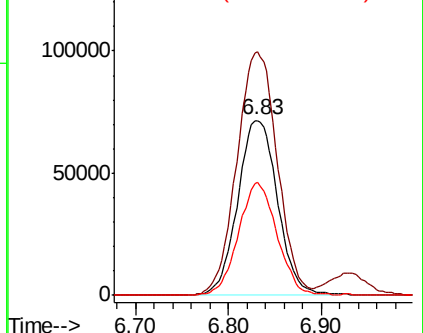
98 62.4 0.0 130.0



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: 54.261 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

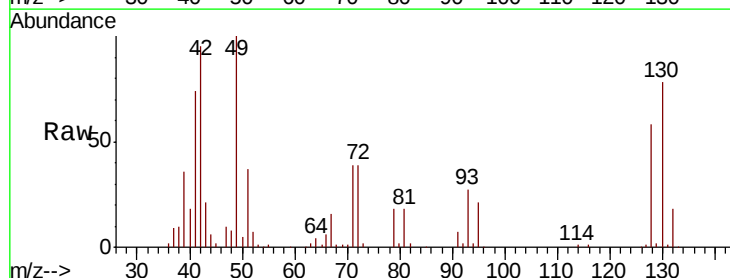
Tgt Ion: 49 Resp: 176146

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

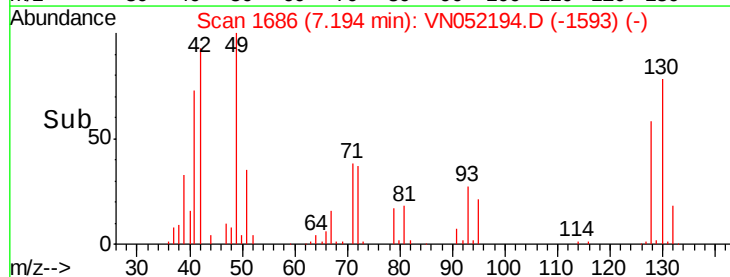
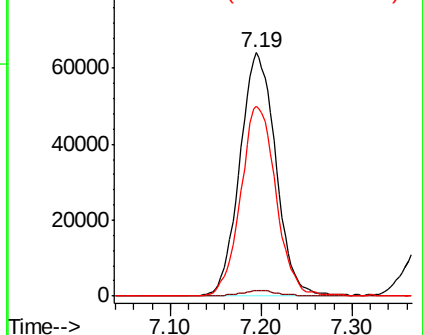
130 76.5 59.8 89.6

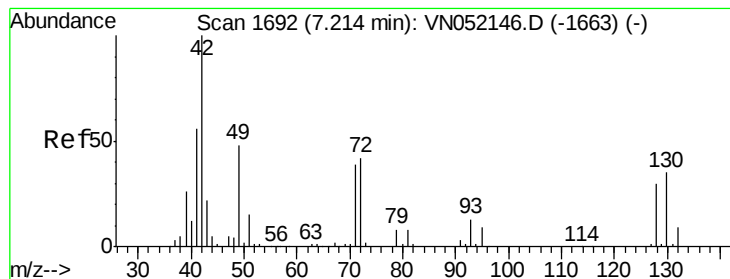


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 289.594 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

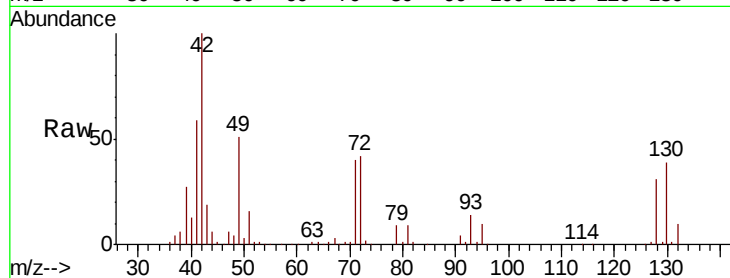
Tot Ion: 42 Resp: 267261

Ion Ratio Lower Upper

42 100

72 41.6 32.3 48.5

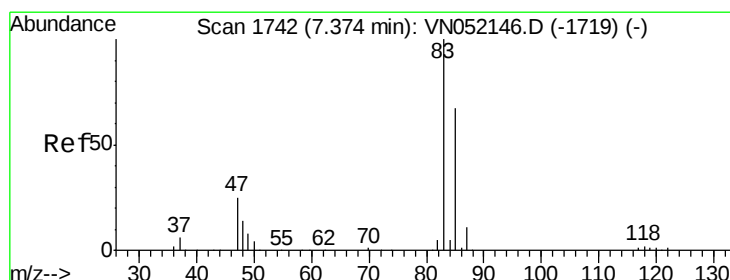
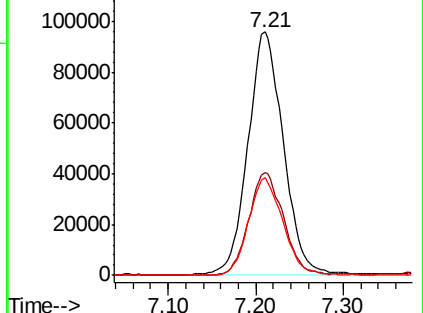
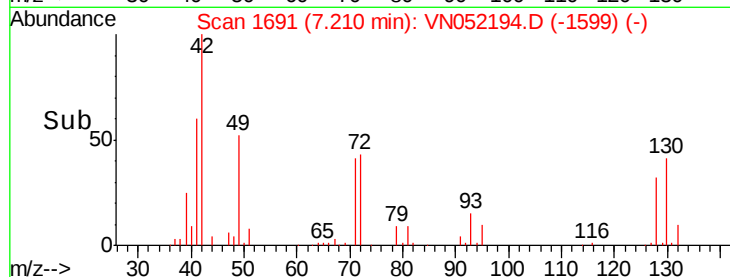
71 39.2 31.0 46.6



Abundance Ion 42.00 (41.70 to 42.70): VN052194.D (-1599) (-)

Ion 72.00 (71.70 to 72.70): VN052194.D (-1599) (-)

Ion 71.00 (70.70 to 71.70): VN052194.D (-1599) (-)



#30

Chloroform

Concen: 51.296 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052194.D

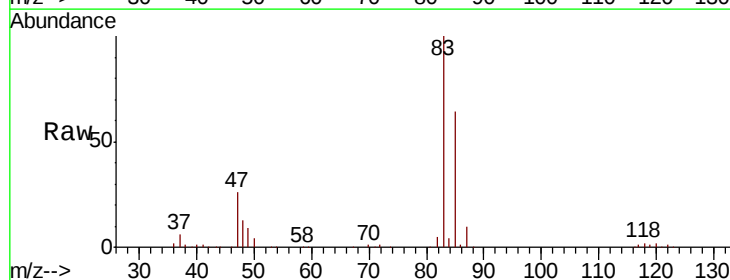
Acq: 6 Nov 2018 16:45

Tgt Ion: 83 Resp: 350711

Ion Ratio Lower Upper

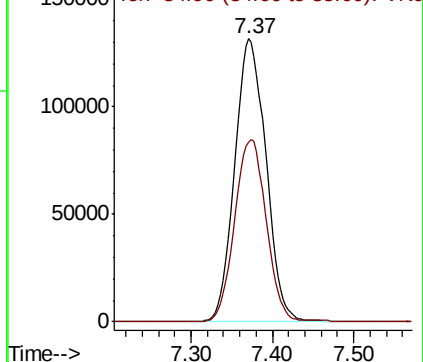
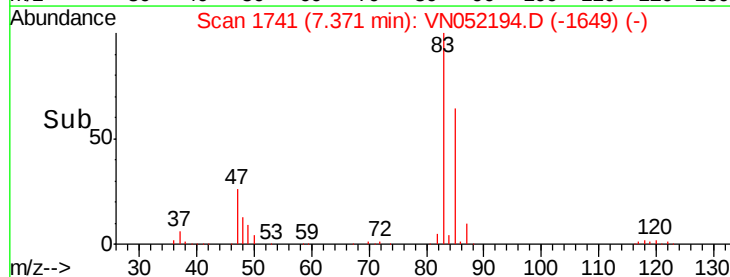
83 100

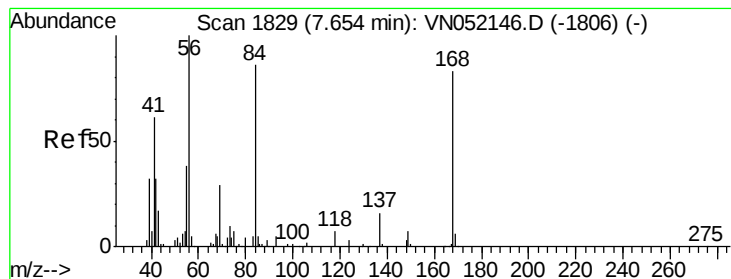
85 63.7 53.7 80.5



Abundance Ion 82.90 (82.60 to 83.60): VN052194.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VN052194.D (-1649) (-)





#31

Cyclohexane

Concen: 49.008 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

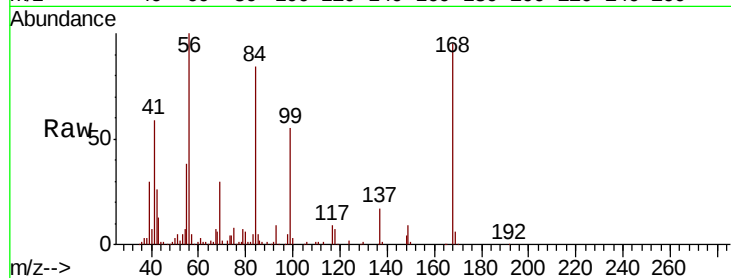
Tot Ion: 56 Resp: 310527

Ion Ratio Lower Upper

56 100

69 29.9 23.5 35.3

84 82.5 68.7 103.1

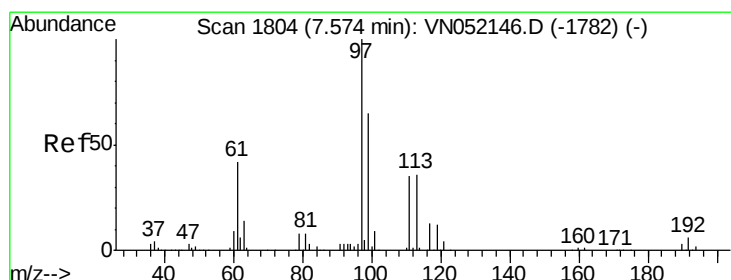
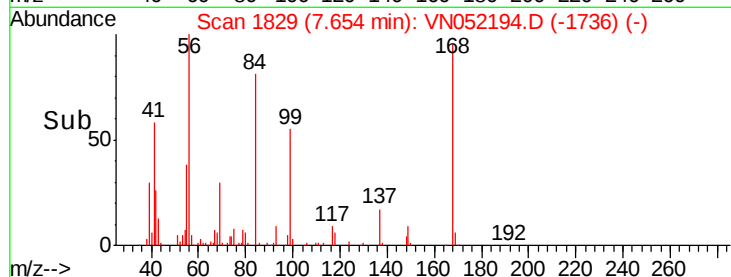
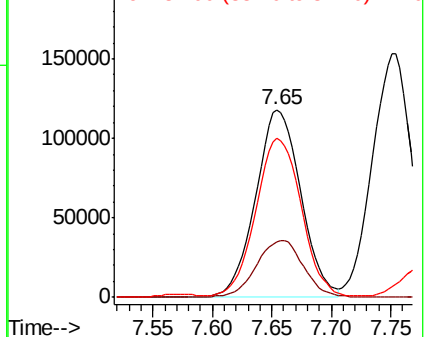


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 48.852 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

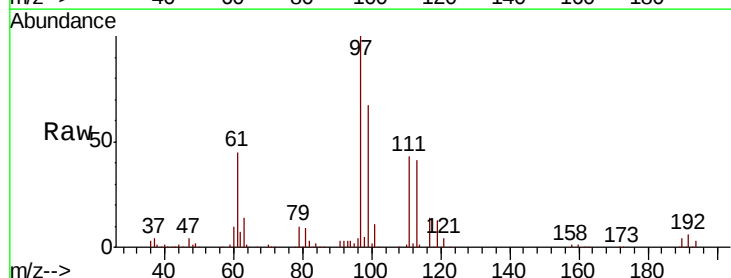
Tgt Ion: 97 Resp: 294236

Ion Ratio Lower Upper

97 100

99 65.0 51.6 77.4

61 45.7 35.1 52.7

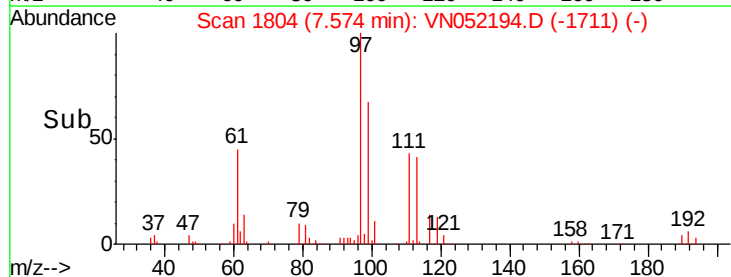
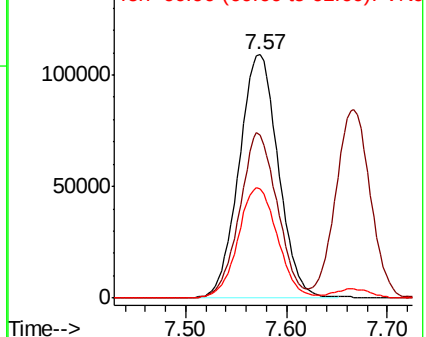


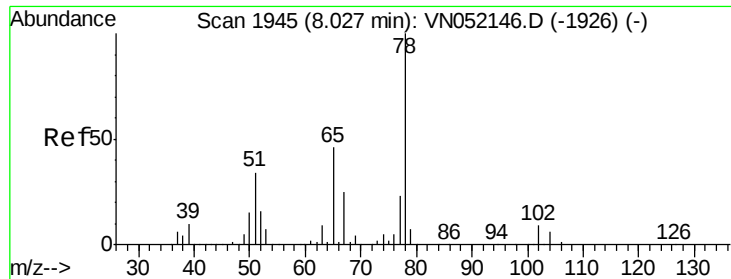
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

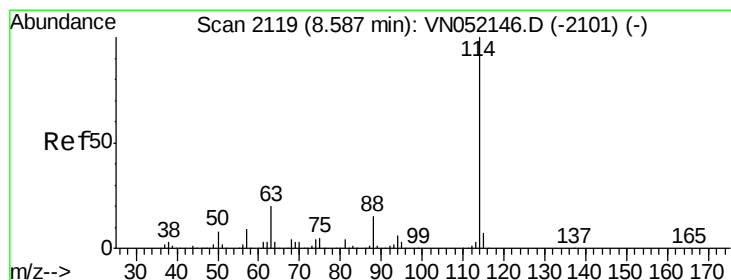
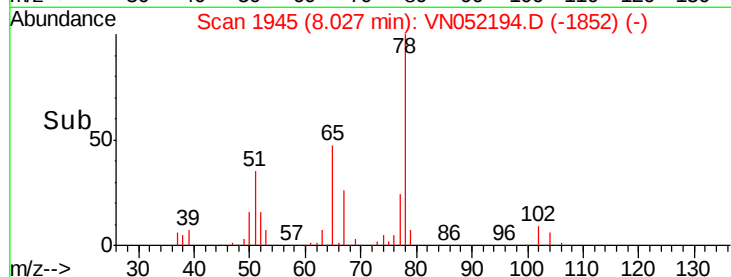
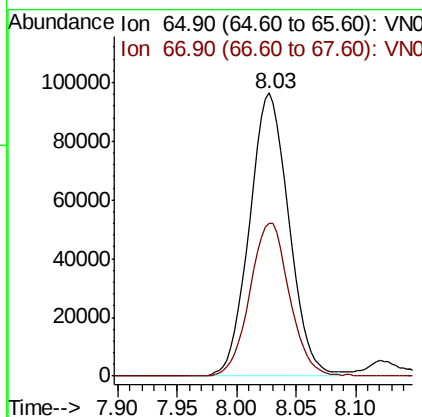
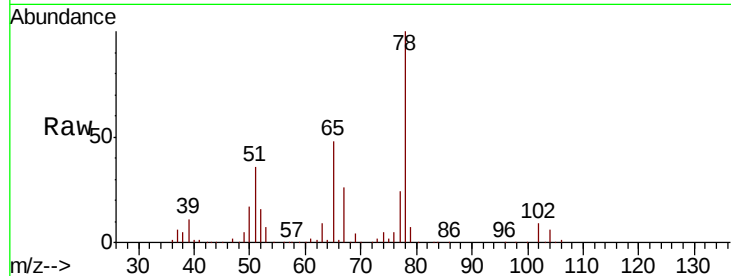




#33
 1,2-Dichloroethane-d4
 Concen: 48.852 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

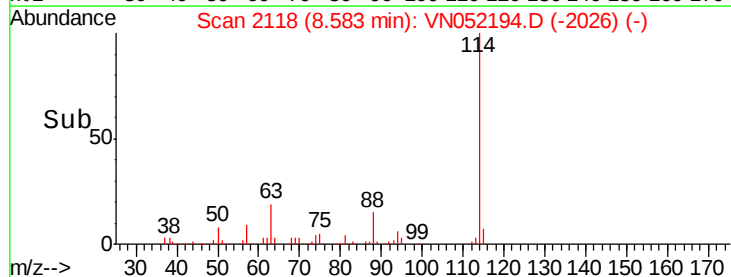
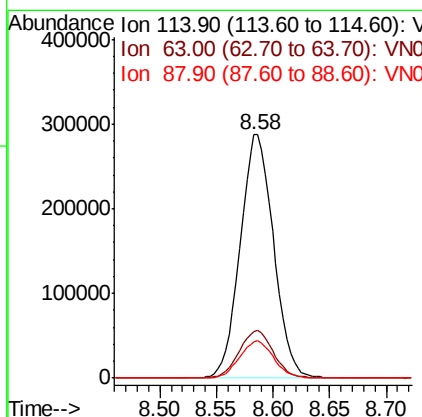
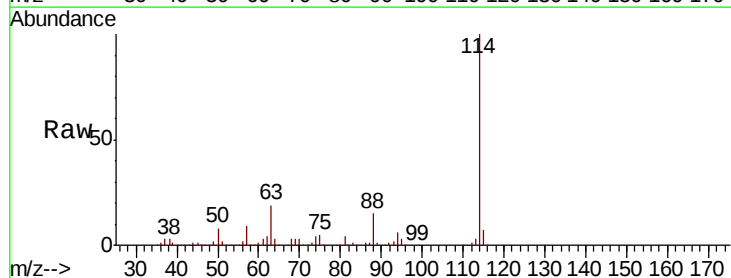
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

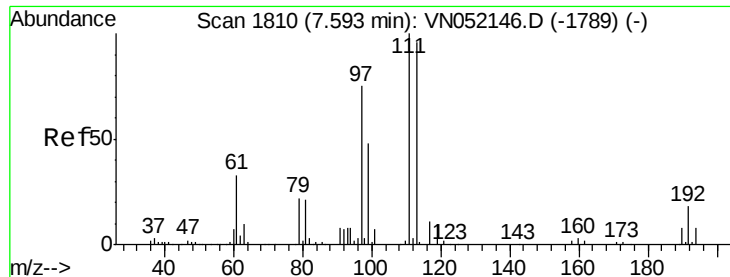
Tot Ion: 65 Resp: 221434
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 114 Resp: 590847
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 15.0 0.0 31.0

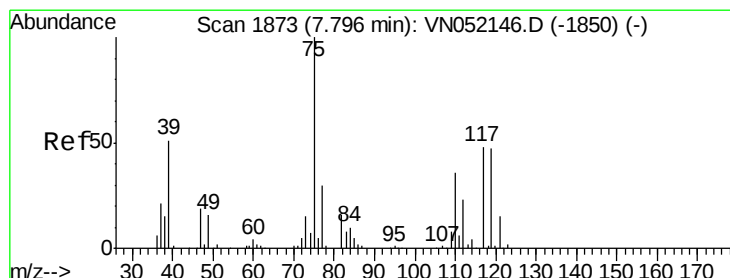
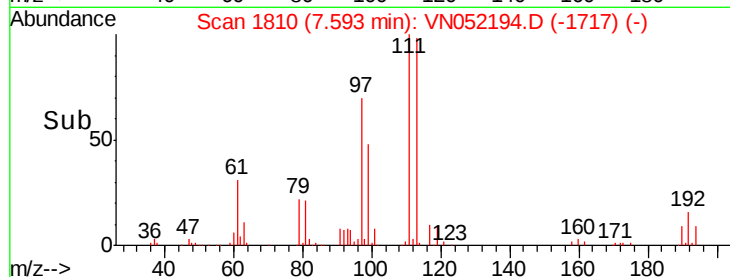
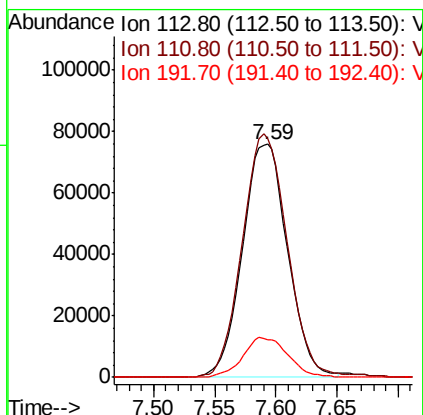
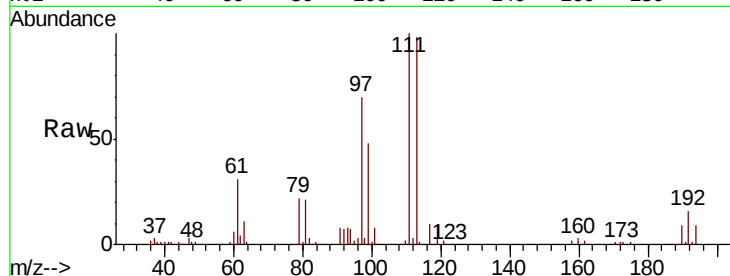




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

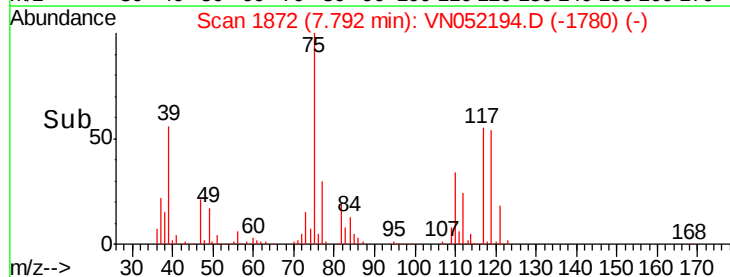
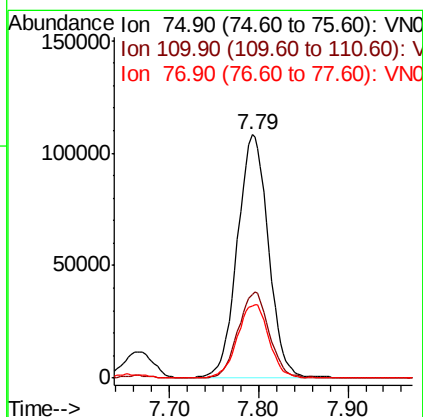
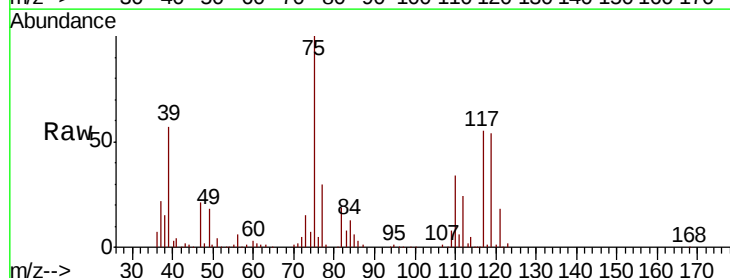
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

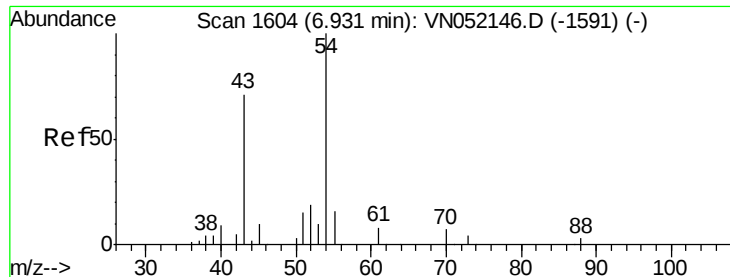
Tot Ion:113 Resp: 194452
Ion Ratio Lower Upper
113 100
111 104.0 81.7 122.5
192 17.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 49.712 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 75 Resp: 259837
Ion Ratio Lower Upper
75 100
110 35.3 17.8 53.5
77 30.9 24.0 36.0





#37

Ethyl Acetate

Concen: 55.973 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

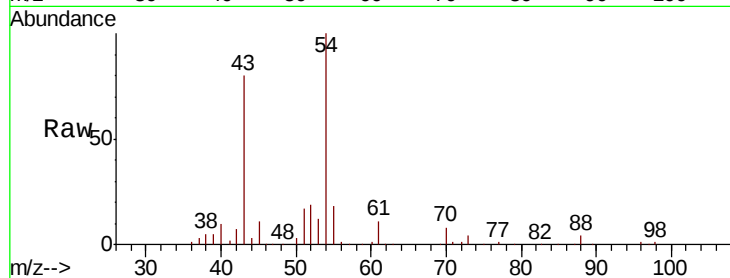
Tot Ion: 43 Resp: 180193

Ion Ratio Lower Upper

43 100

61 14.3 9.4 14.2#

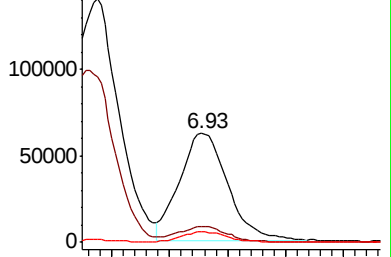
70 9.0 7.6 11.4



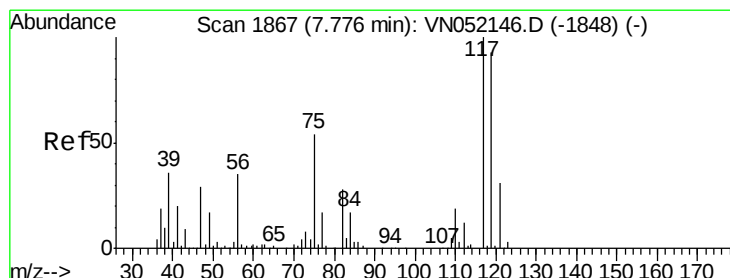
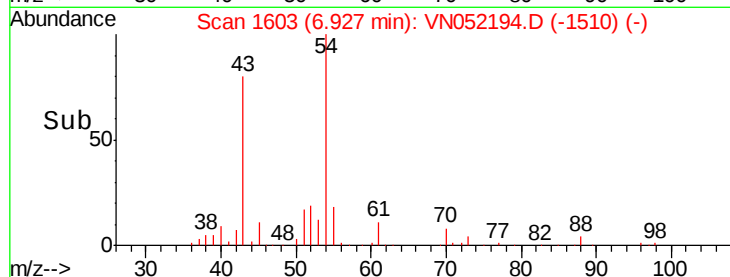
Abundance Ion 43.00 (42.70 to 43.70): VN052194.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN052194.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN052194.D (-1591) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 50.190 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

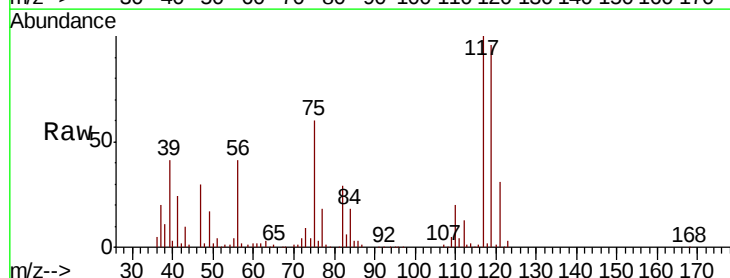
Tgt Ion: 117 Resp: 262276

Ion Ratio Lower Upper

117 100

119 96.3 74.7 112.1

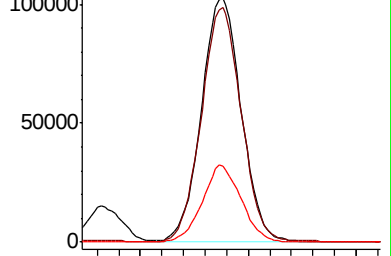
121 31.5 24.5 36.7



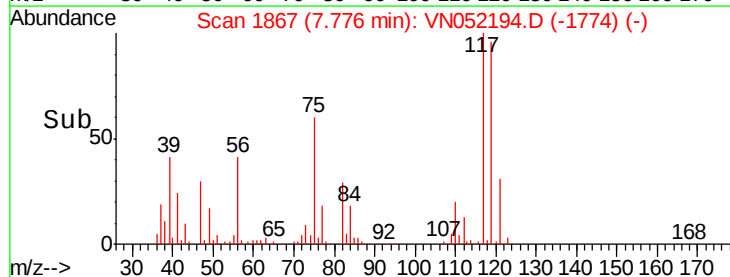
Abundance Ion 116.80 (116.50 to 117.50): VN052194.D (-1774) (-)

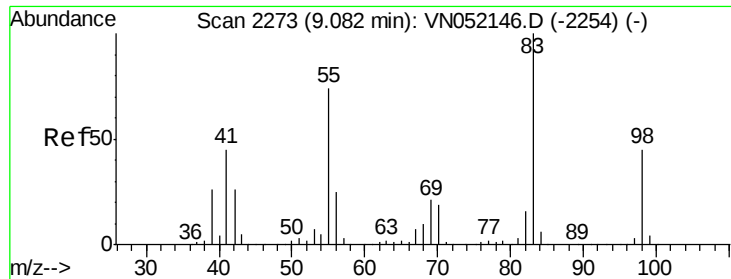
Ion 118.80 (118.50 to 119.50): VN052194.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052194.D (-1774) (-)



Time-->

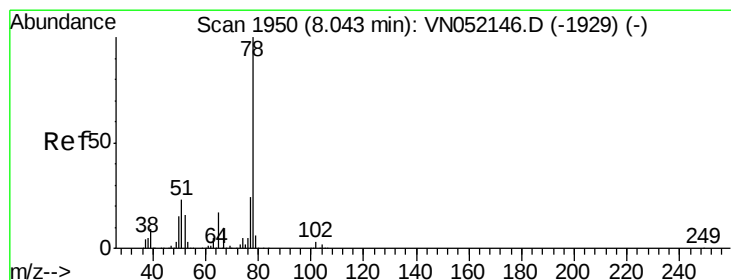
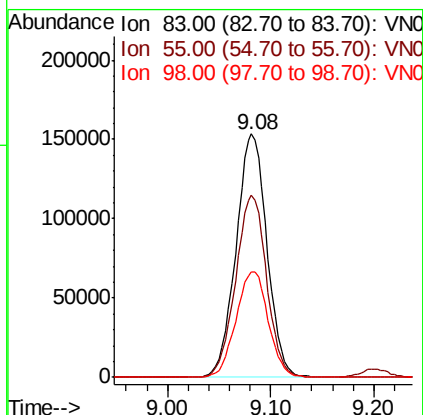
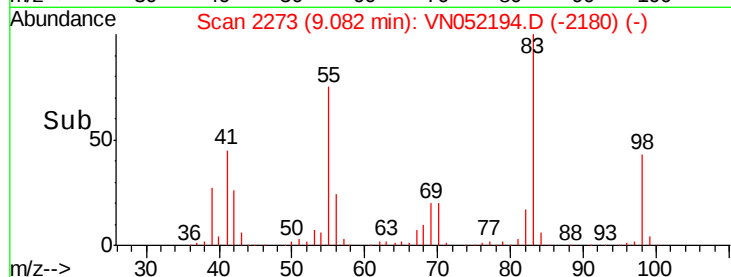
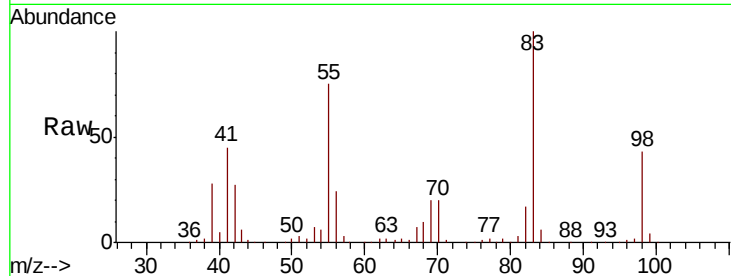




#39
Methvlcvclohexane
Concen: 51.680 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

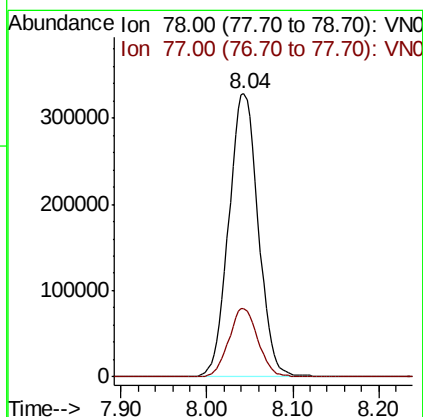
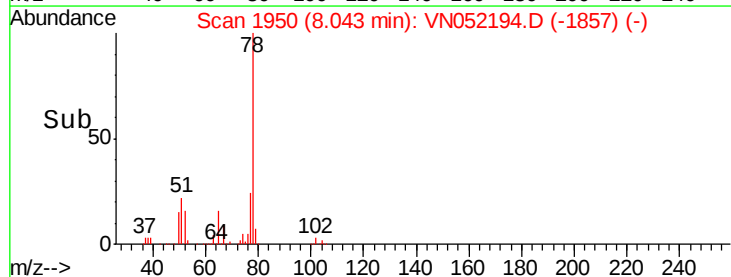
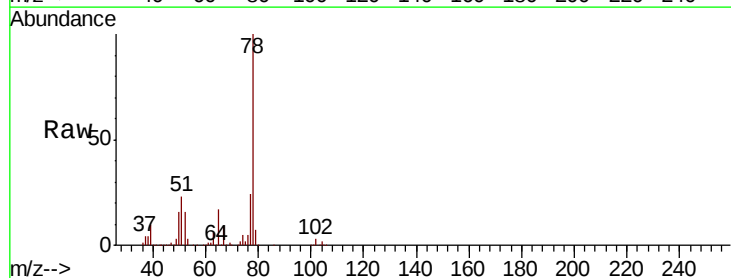
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

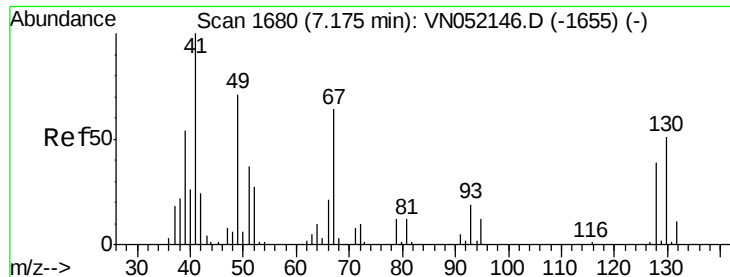
Tot Ion: 83 Resp: 319913
Ion Ratio Lower Upper
83 100
55 74.6 59.4 89.2
98 43.4 36.3 54.5



#40
Benzene
Concen: 50.906 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 78 Resp: 782191
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7





#41

Methacrylonitrile

Concen: 52.603 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. -0.01 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 95108

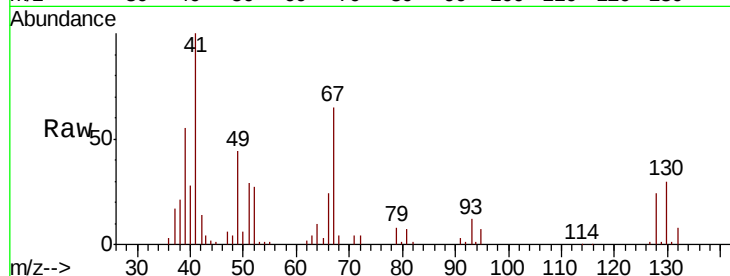
Ion Ratio Lower Upper

41 100

39 59.4 49.6 74.4

67 84.0 65.4 98.2

52 35.0 27.2 40.8

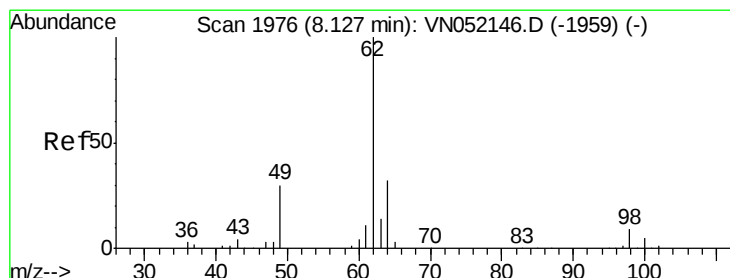
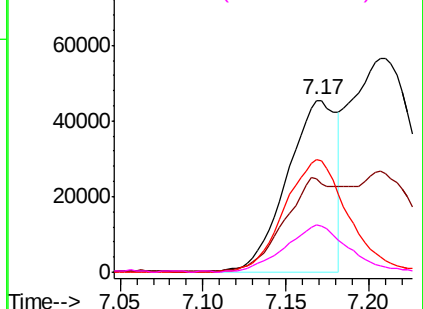
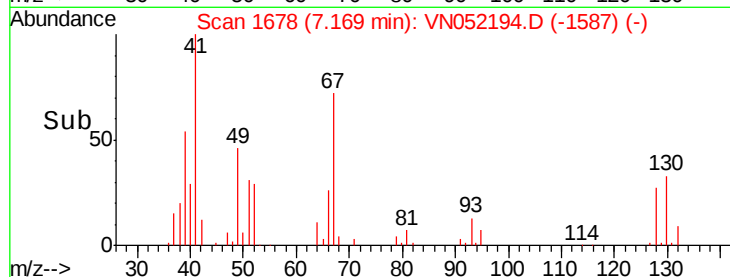


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 53.085 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN052194.D

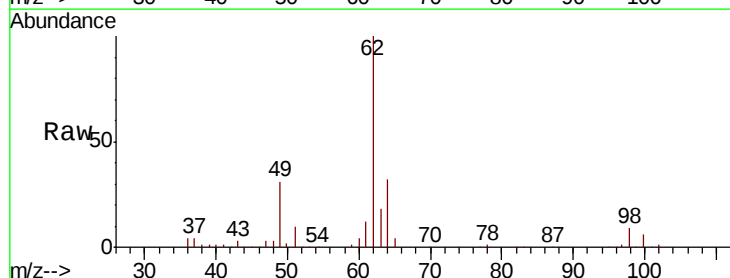
Acq: 6 Nov 2018 16:45

Tgt Ion: 62 Resp: 262213

Ion Ratio Lower Upper

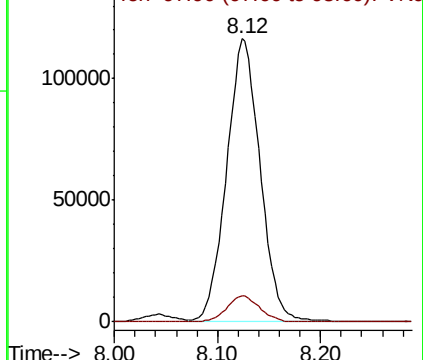
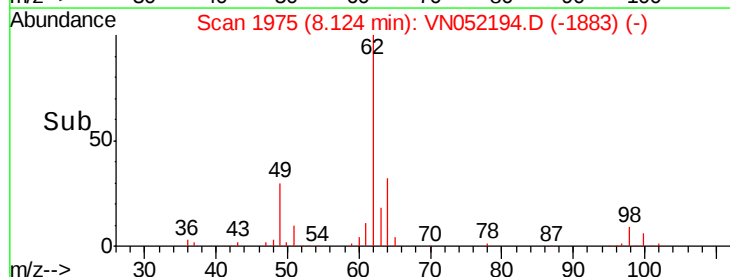
62 100

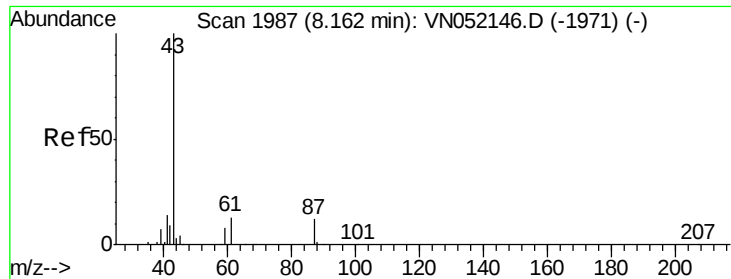
98 9.1 0.0 18.2



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 54.963 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

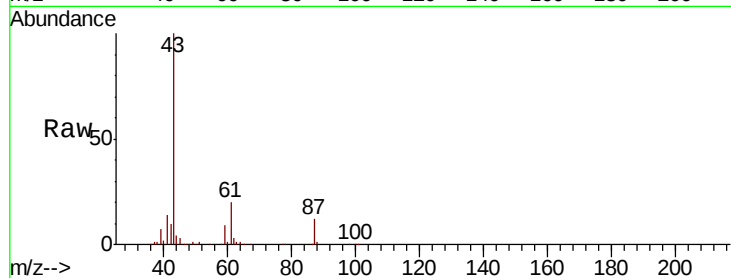
Tot Ion: 43 Resp: 327787

Ion Ratio Lower Upper

43 100

61 20.3 21.5 32.3#

87 12.4 10.2 15.2



Abundance Ion 43.00 (42.70 to 43.70): VN052194.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052194.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052194.D (-1971) (-)

8.17

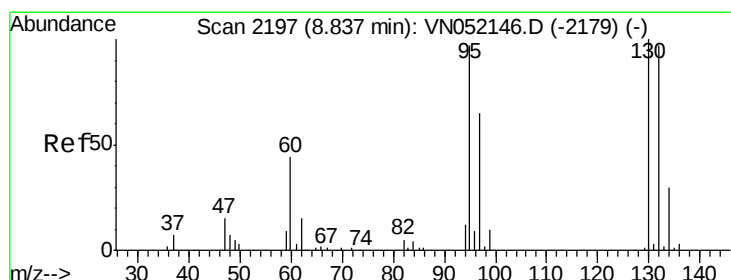
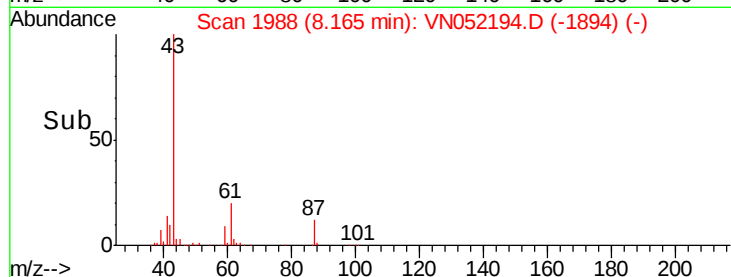
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#44

Trichloroethene

Concen: 51.066 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052194.D

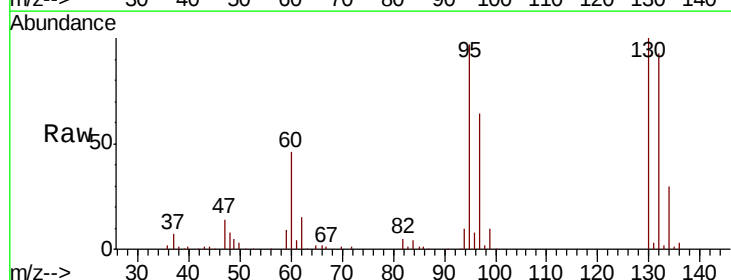
Acq: 6 Nov 2018 16:45

Tgt Ion:130 Resp: 207738

Ion Ratio Lower Upper

130 100

95 96.9 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN052194.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052194.D (-2179) (-)

8.84

120000

100000

80000

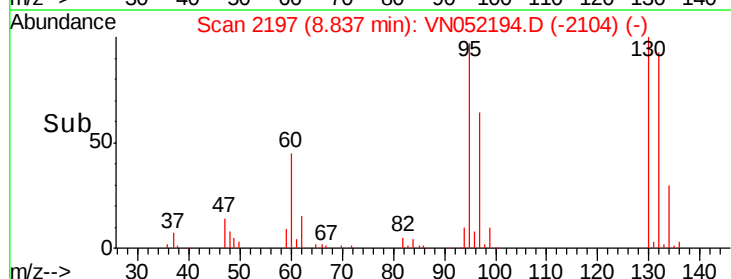
60000

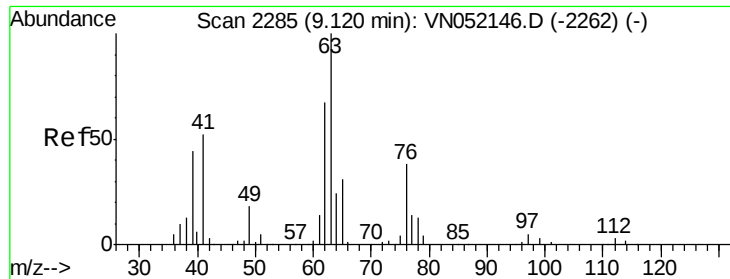
40000

20000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#45

1,2-Dichloropropane

Concen: 52.983 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

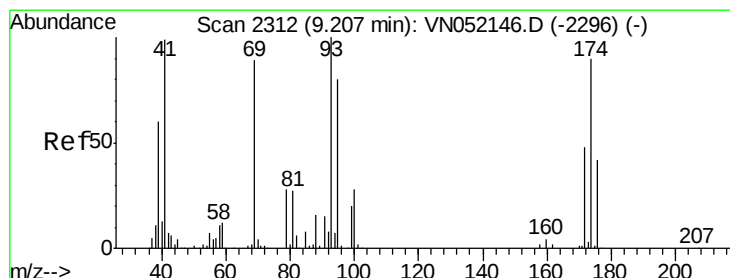
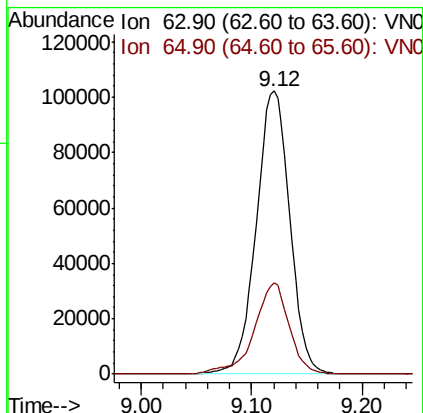
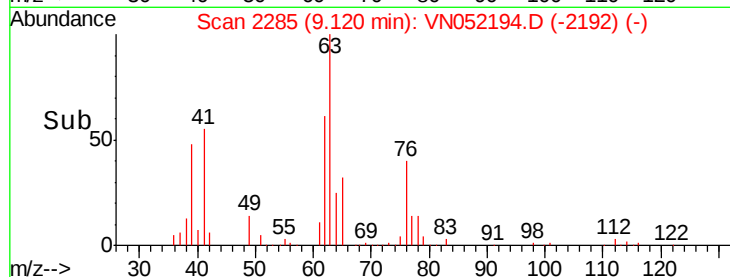
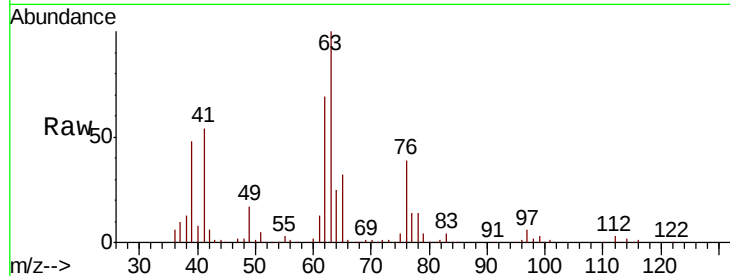
VSTDCCC050EC

Tot Ion: 63 Resp: 215601

Ion Ratio Lower Upper

63 100

65 32.3 24.4 36.6



#46

Dibromomethane

Concen: 53.084 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

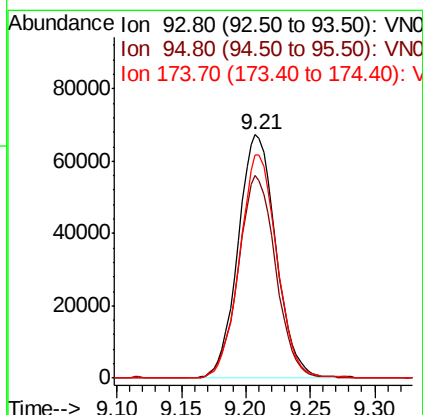
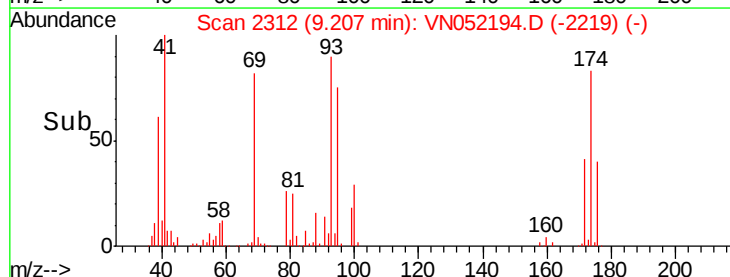
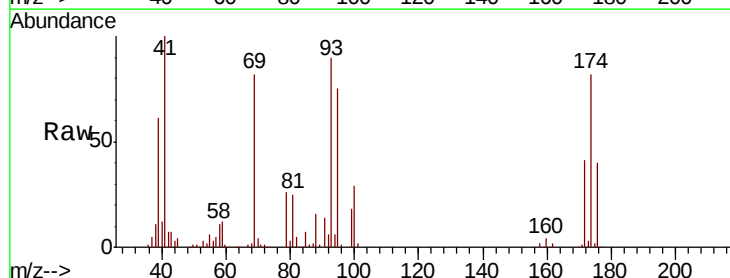
Tgt Ion: 93 Resp: 137374

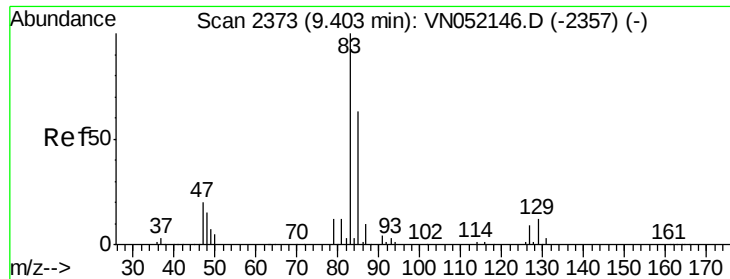
Ion Ratio Lower Upper

93 100

95 82.1 64.5 96.7

174 90.3 74.6 112.0





#47

Bromodichloromethane

Concen: 53.735 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

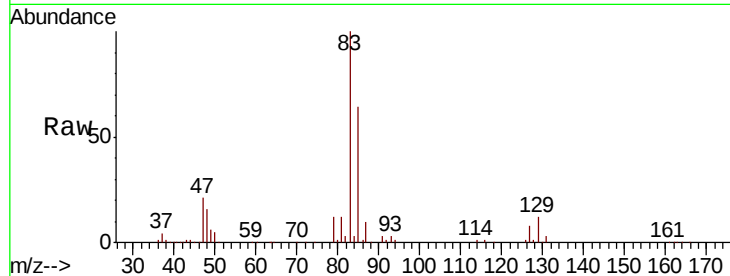
Tot Ion: 83 Resp: 271202

Ion Ratio Lower Upper

83 100

85 64.2 50.5 75.7

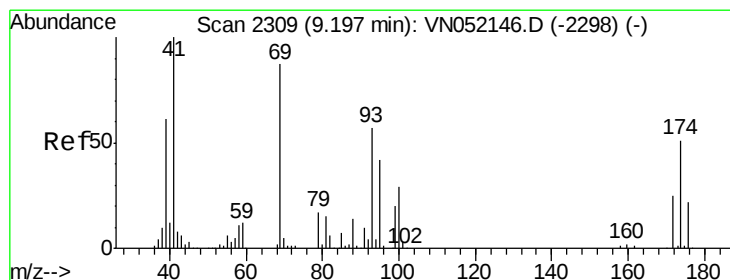
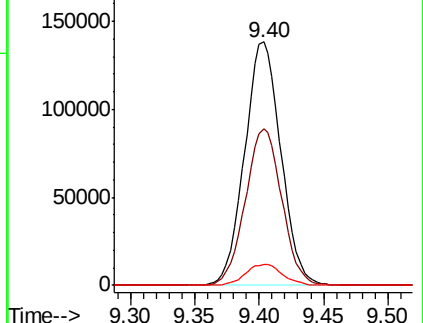
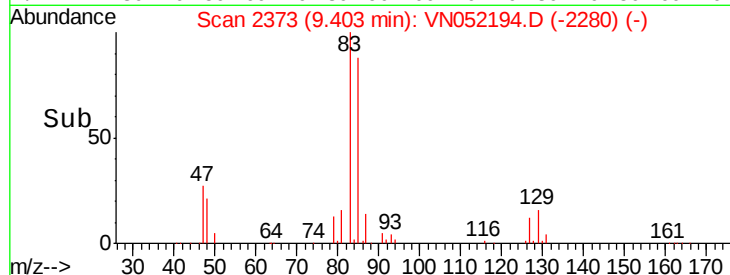
127 8.4 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN052194.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052194.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052194.D (-2280) (-)



#48

Methyl methacrylate

Concen: 57.630 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

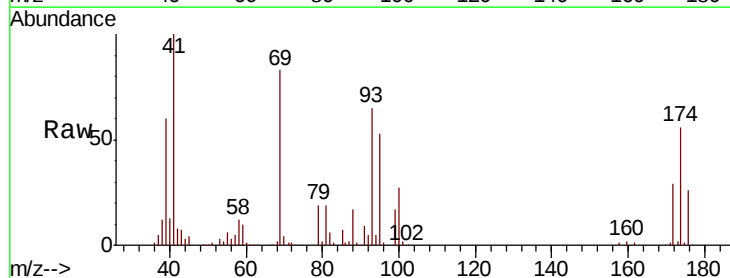
Tgt Ion: 41 Resp: 165419

Ion Ratio Lower Upper

41 100

69 86.1 69.7 104.5

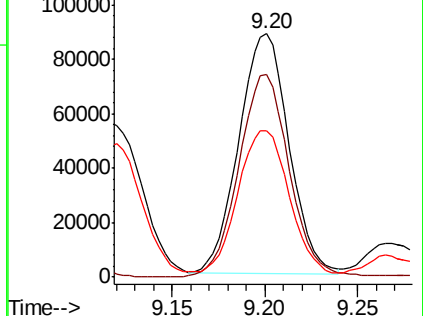
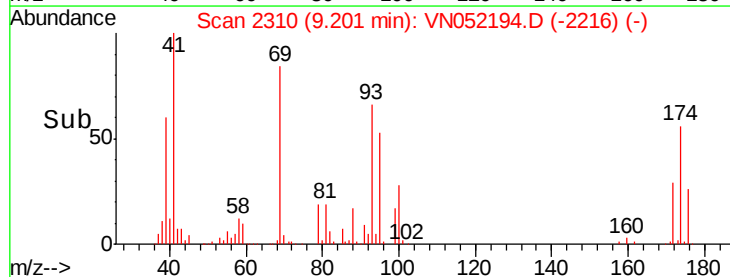
39 62.9 50.6 76.0

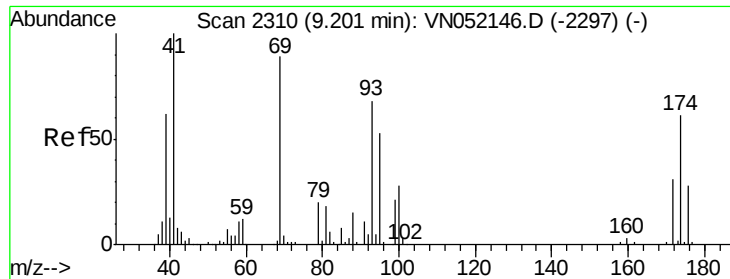


Abundance Ion 41.00 (40.70 to 41.70): VN052194.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052194.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052194.D (-2216) (-)

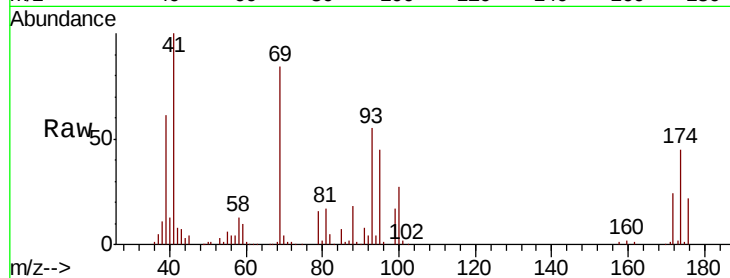




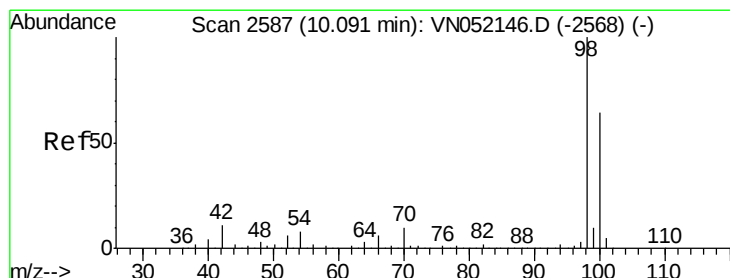
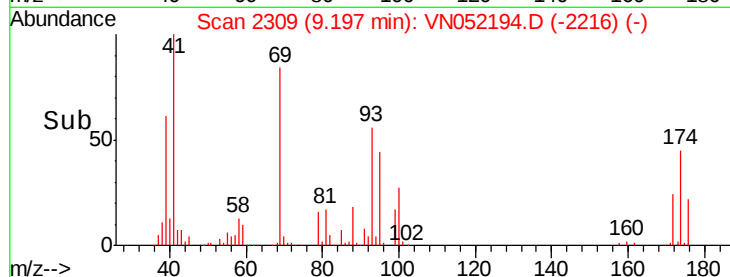
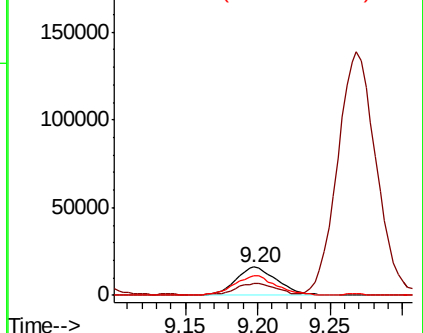
#49
1,4-Dioxane
Concen: 1312.190 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 31848
Ion Ratio Lower Upper
88 100
43 38.0 33.0 49.6
58 71.2 58.6 88.0

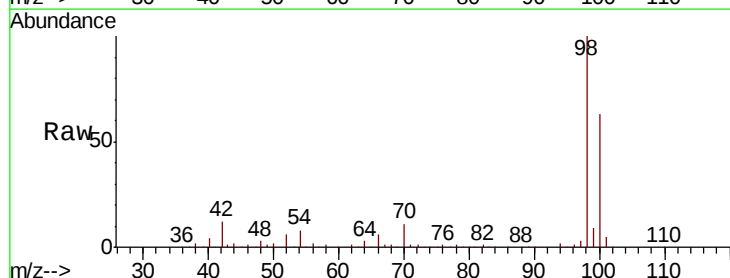


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

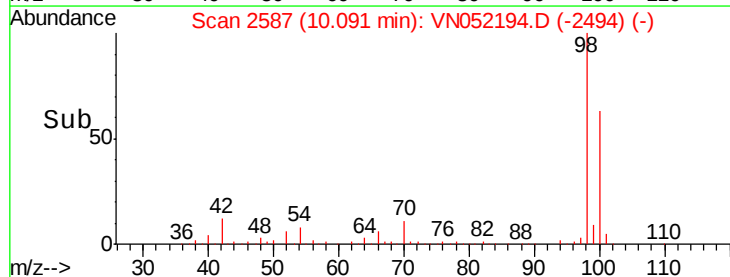
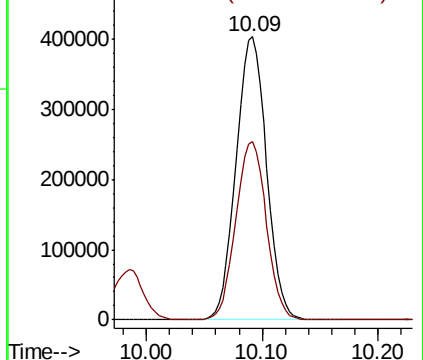


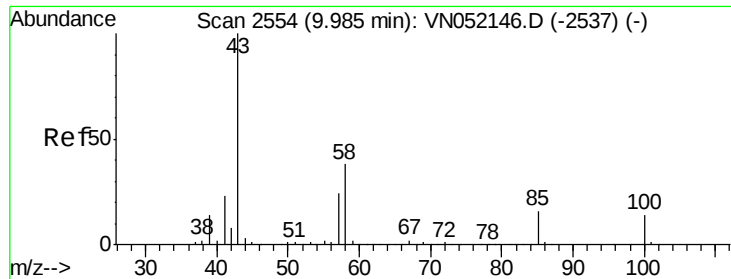
#50
Toluene-d8
Concen: 1312.190 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 98 Resp: 736050
Ion Ratio Lower Upper
98 100
100 62.9 50.5 75.7



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: 292.022 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

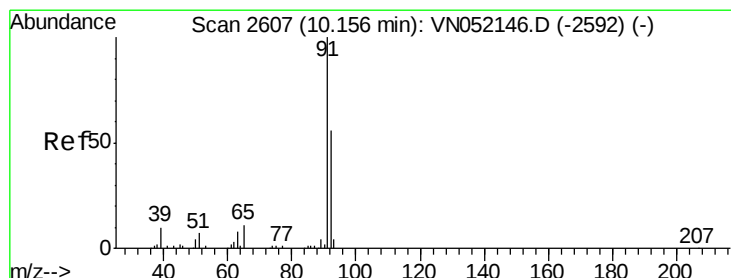
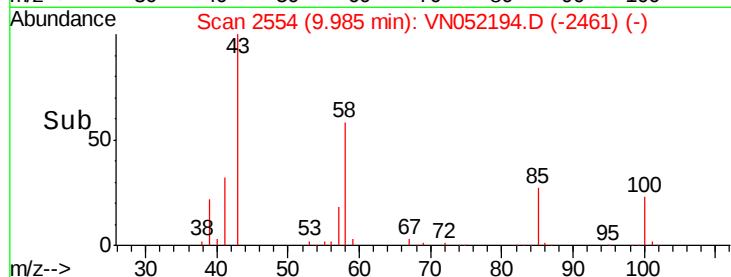
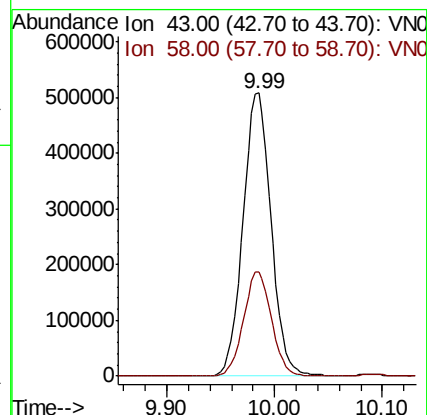
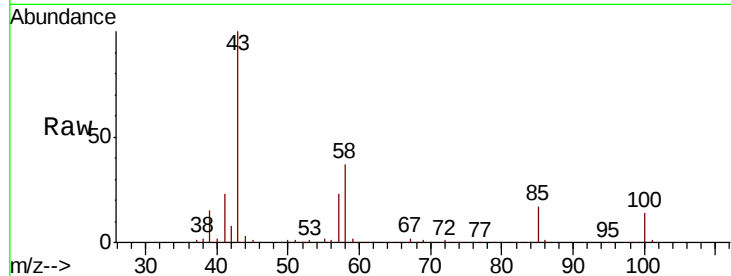
VSTDCCC050EC

Tot Ion: 43 Resp: 920077

Ion Ratio Lower Upper

43 100

58 36.5 29.6 44.4



#52

Toluene

Concen: 53.066 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052194.D

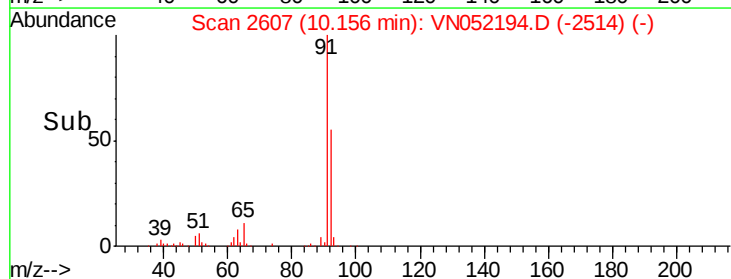
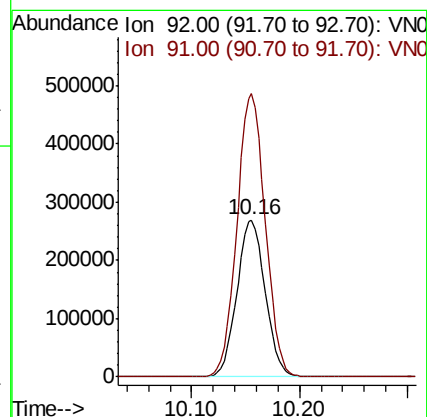
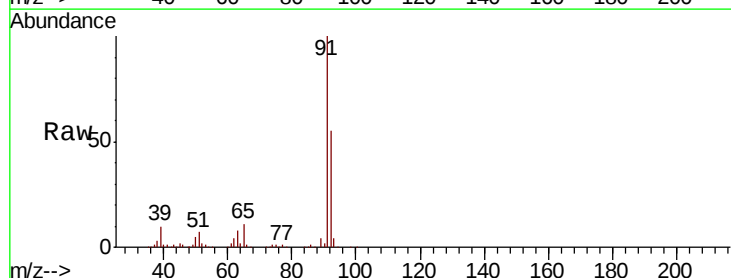
Acq: 6 Nov 2018 16:45

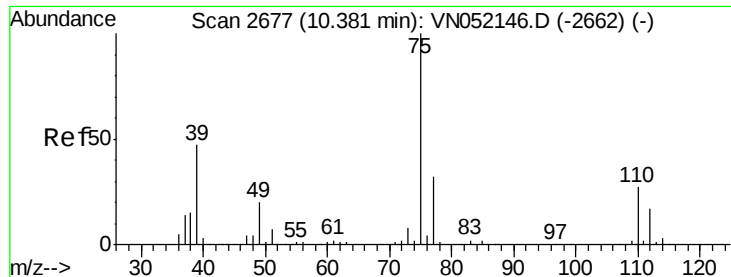
Tgt Ion: 92 Resp: 491691

Ion Ratio Lower Upper

92 100

91 180.6 142.5 213.7





#53

t-1,3-Dichloropropene

Concen: 55.647 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

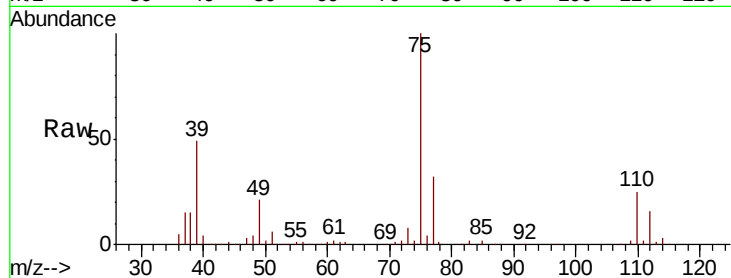
VSTDCCC050EC

Tot Ion: 75 Resp: 275520

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

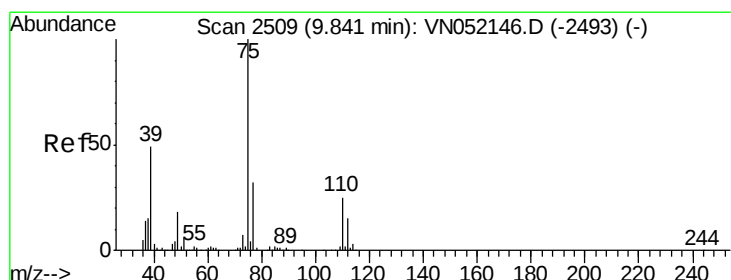
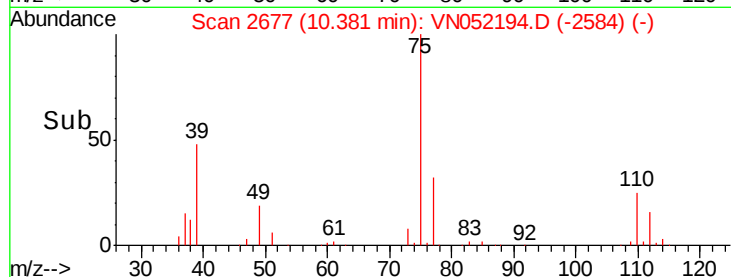
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.860 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

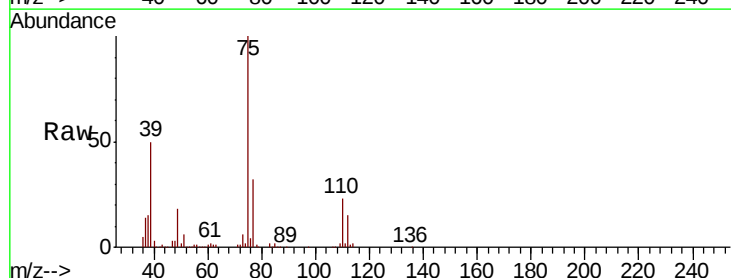
Tgt Ion: 75 Resp: 317845

Ion Ratio Lower Upper

75 100

77 31.7 25.8 38.8

39 49.7 39.2 58.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

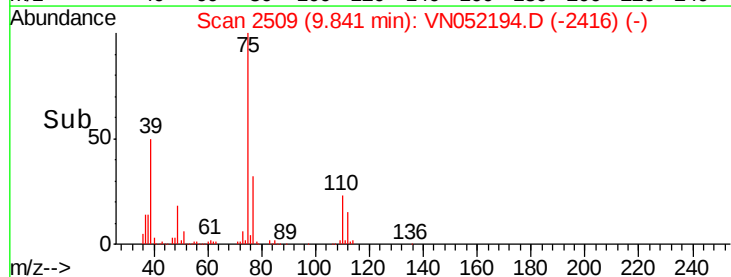
150000

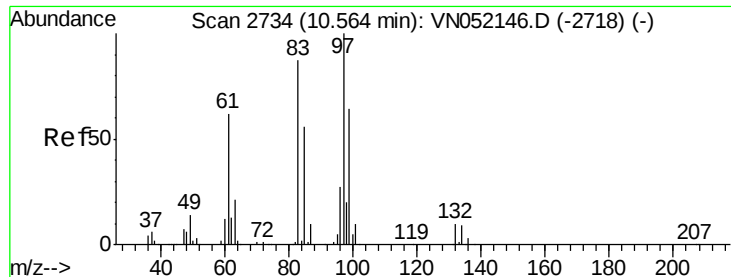
100000

50000

0

Time-->

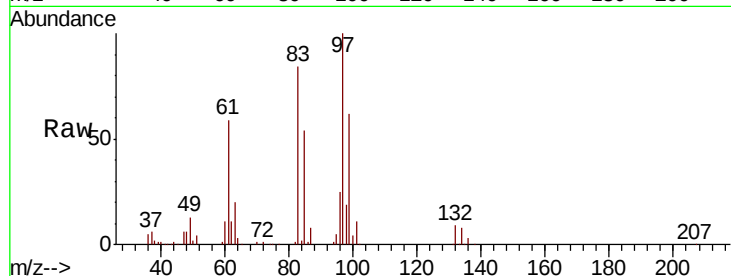




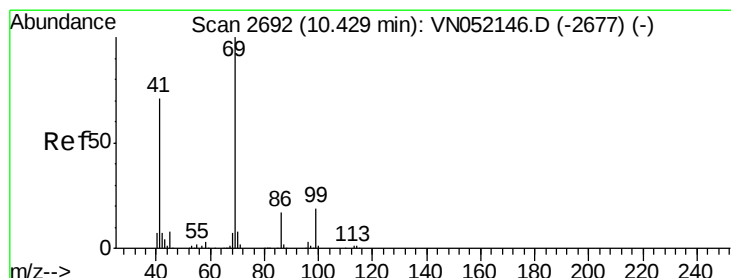
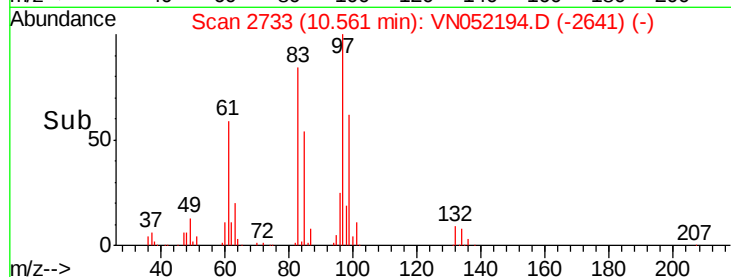
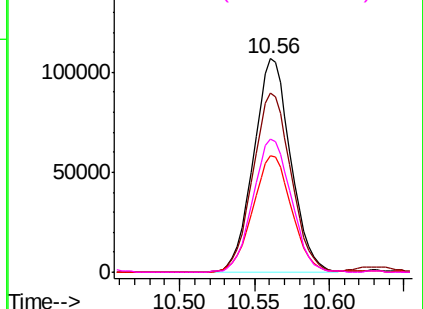
#55
 1,1,2-Trichloroethane
 Concen: 56.422 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 184318
 Ion Ratio Lower Upper
 97 100
 83 84.2 69.3 103.9
 85 54.5 44.9 67.3
 99 62.4 51.5 77.3

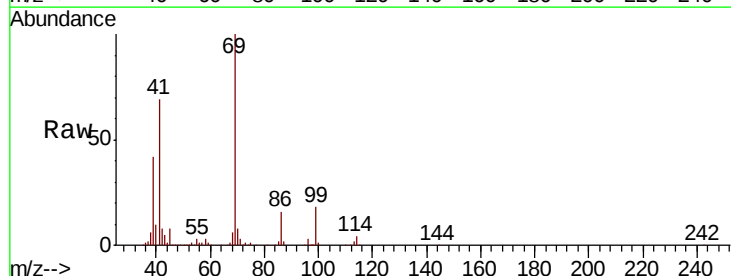


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

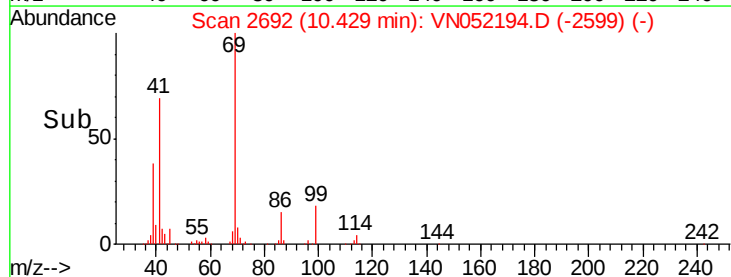
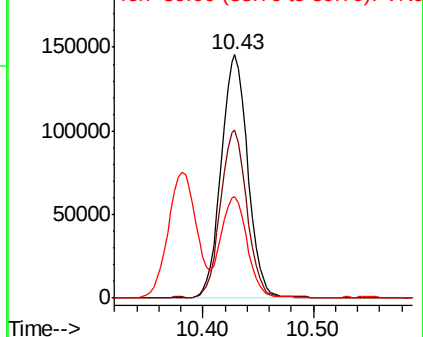


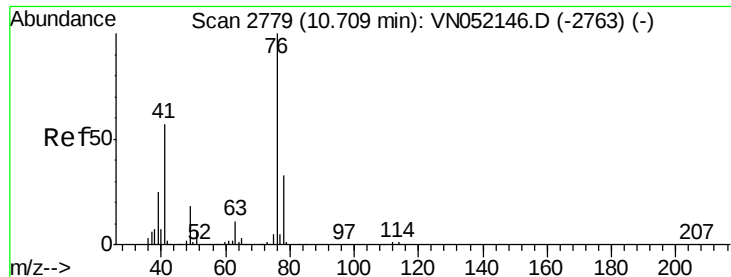
#56
 Ethyl methacrylate
 Concen: 57.232 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 69 Resp: 243702
 Ion Ratio Lower Upper
 69 100
 41 67.6 55.4 83.0
 39 40.9 32.0 48.0



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





#57

1,3-Dichloropropane

Concen: 54.396 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

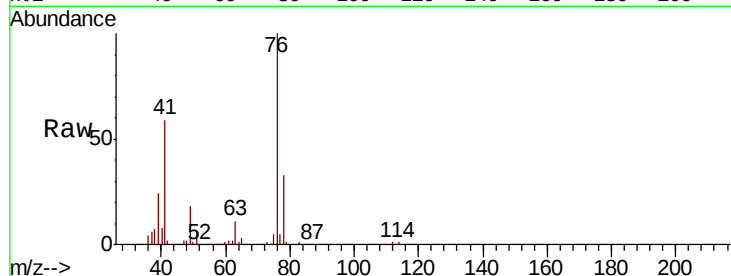
VSTDCCC050EC

Tot Ion: 76 Resp: 313048

Ion Ratio Lower Upper

76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

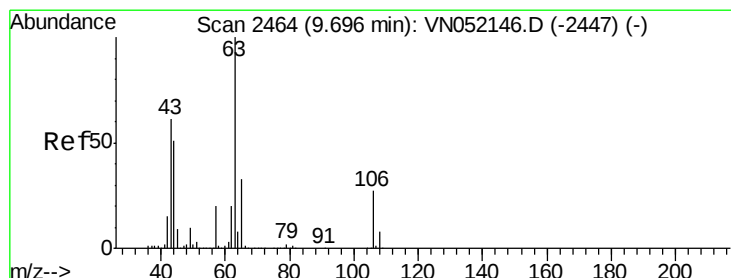
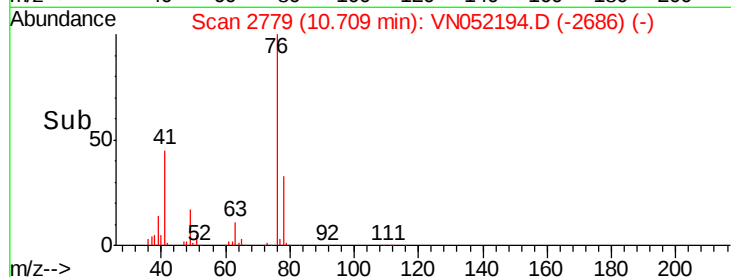
150000

100000

50000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 293.718 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN052194.D

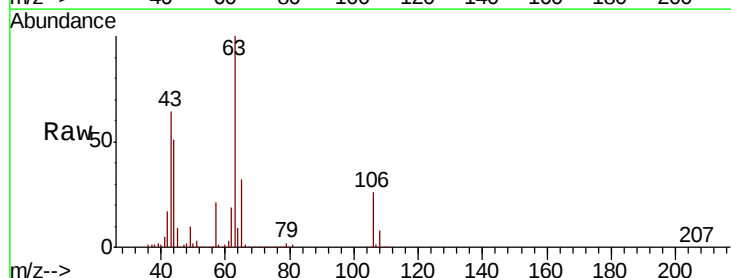
Acq: 6 Nov 2018 16:45

Tgt Ion: 63 Resp: 673081

Ion Ratio Lower Upper

63 100

106 26.6 21.0 31.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

400000

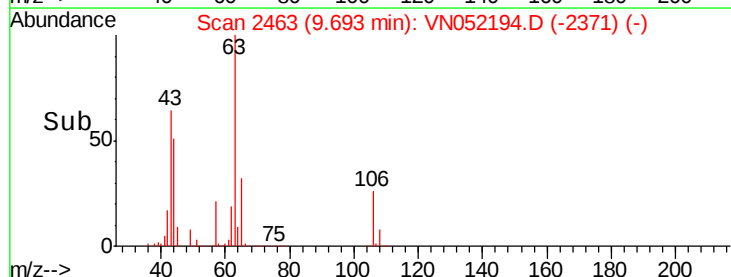
300000

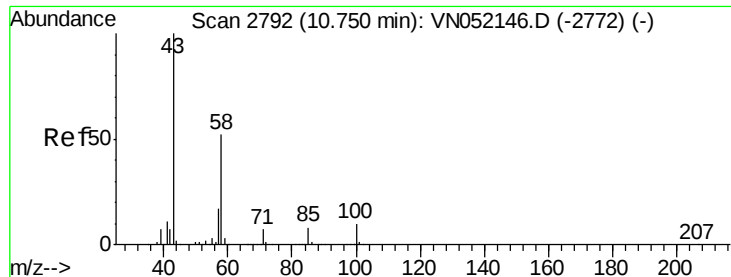
200000

100000

0

Time--> 9.60 9.65 9.70 9.75 9.80





#59

2-Hexanone

Concen: 290.399 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

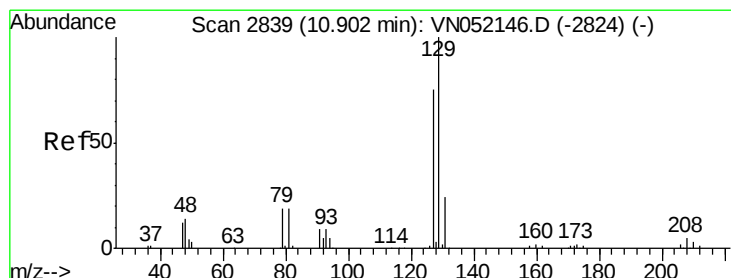
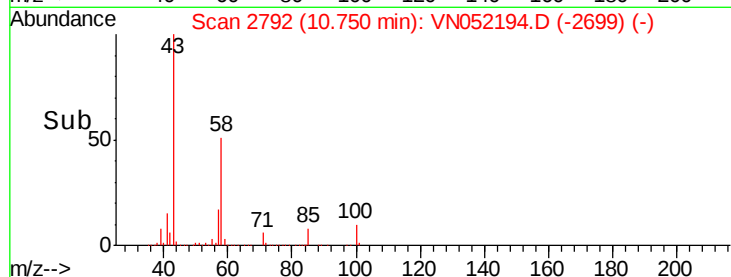
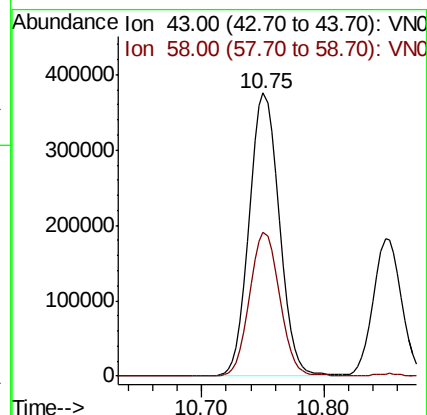
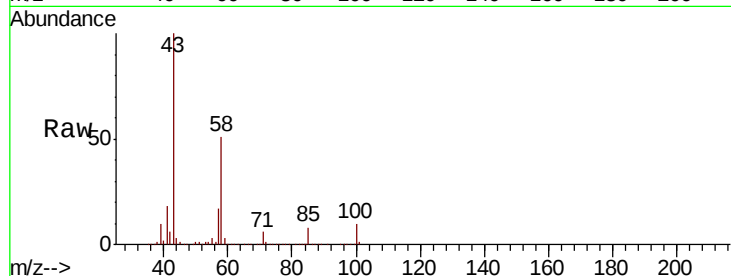
VSTDCCC050EC

Tot Ion: 43 Resp: 636927

Ion Ratio Lower Upper

43 100

58 51.1 25.8 77.4



#60

Dibromochloromethane

Concen: 55.605 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052194.D

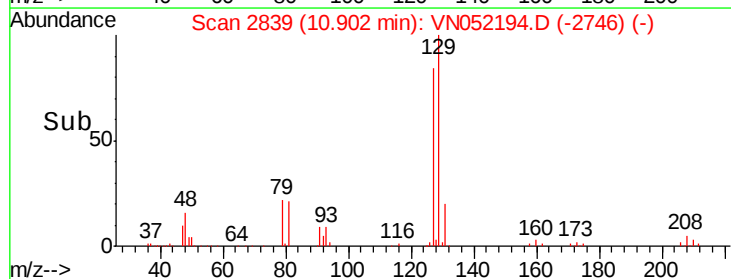
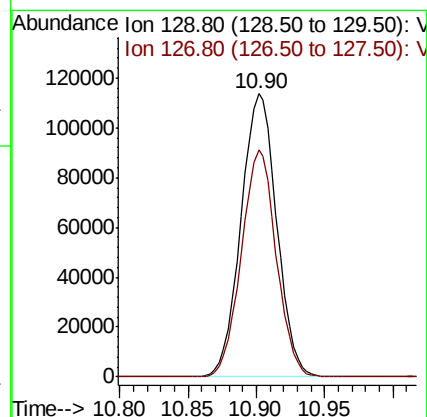
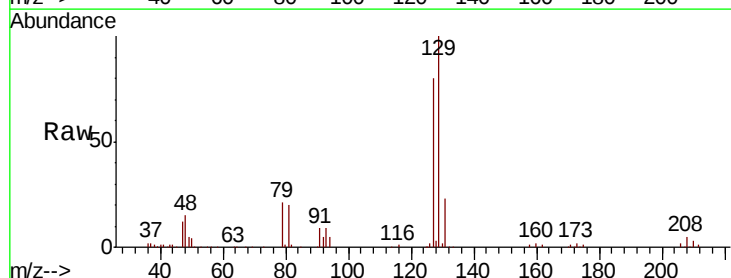
Acq: 6 Nov 2018 16:45

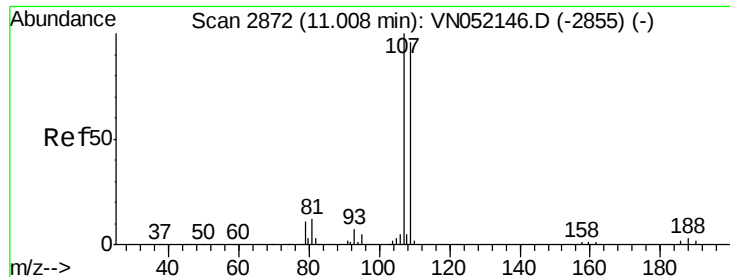
Tgt Ion: 129 Resp: 206574

Ion Ratio Lower Upper

129 100

127 78.0 38.0 114.1

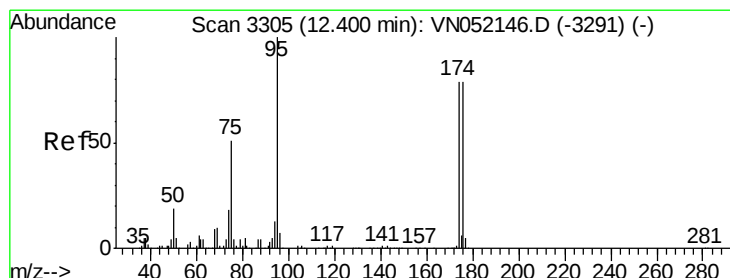
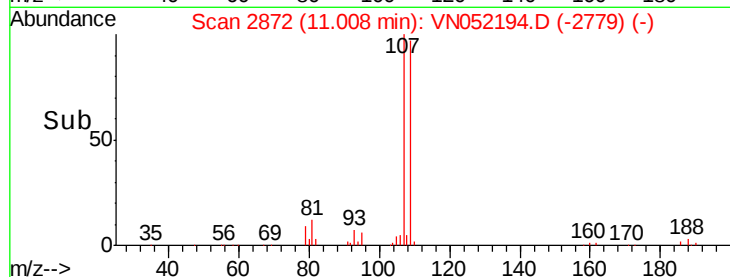
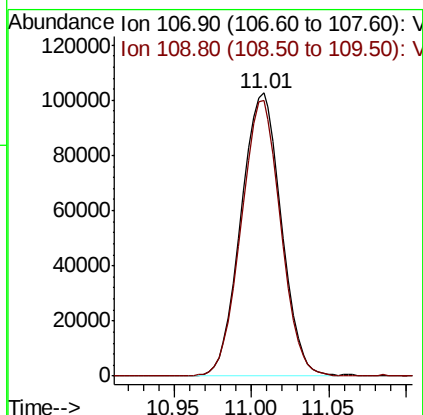
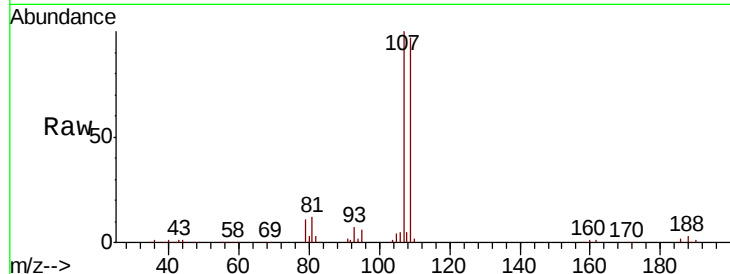




#61
 1,2-Dibromoethane
 Concen: 56.151 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

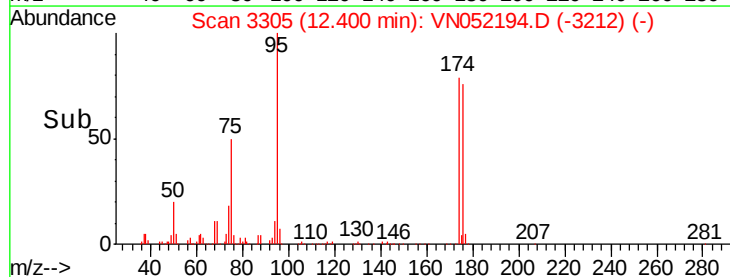
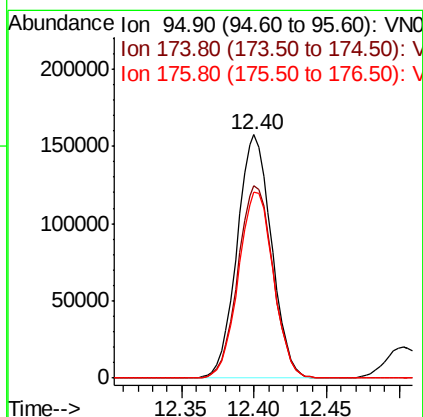
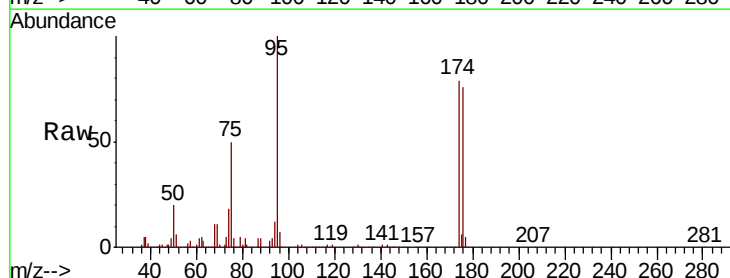
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

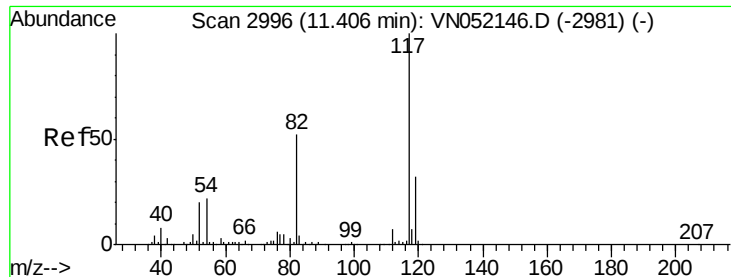
Tot Ion: 107 Resp: 186202
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 56.151 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion: 95 Resp: 259467
 Ion Ratio Lower Upper
 95 100
 174 80.8 0.0 162.6
 176 77.8 0.0 155.4

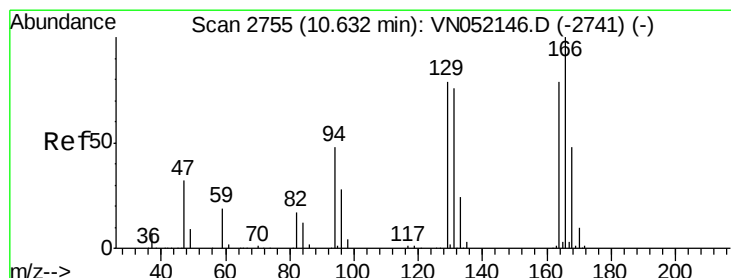
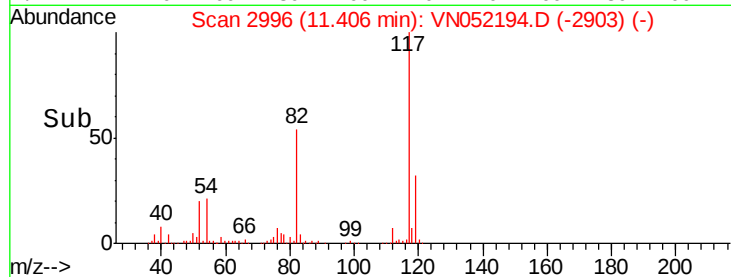
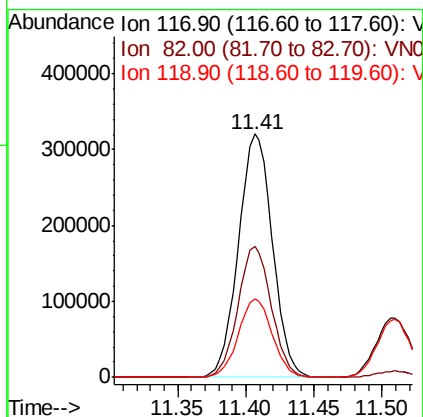
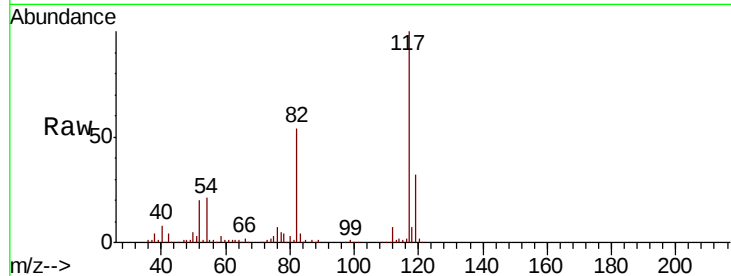




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

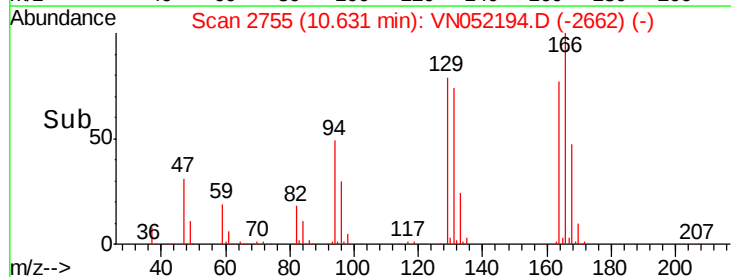
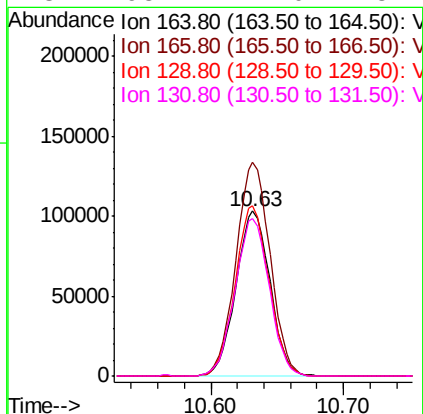
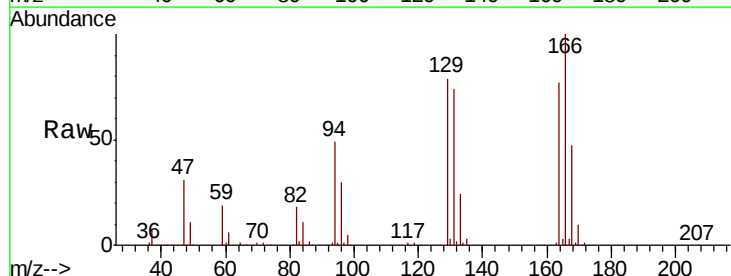
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

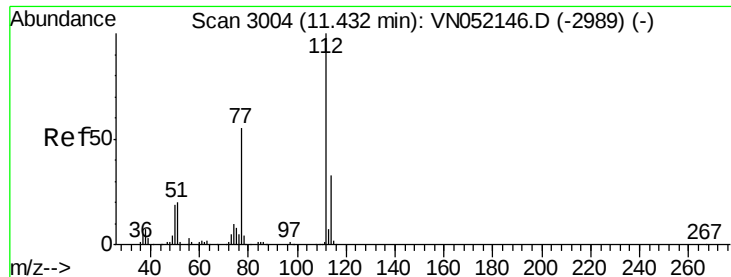
Tot Ion:117 Resp: 555053
Ion Ratio Lower Upper
117 100
82 53.7 41.9 62.9
119 32.3 25.7 38.5



#64
Tetrachloroethene
Concen: 51.290 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion:164 Resp: 184438
Ion Ratio Lower Upper
164 100
166 129.4 100.8 151.2
129 102.8 79.1 118.7
131 95.7 77.0 115.4

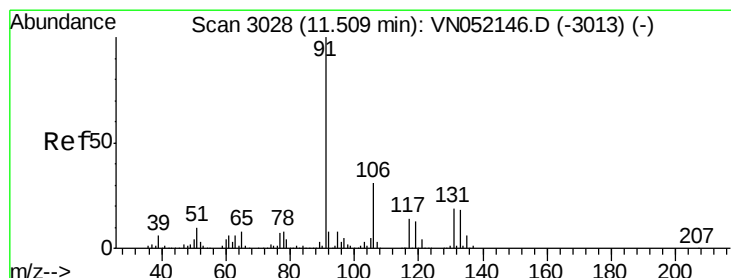
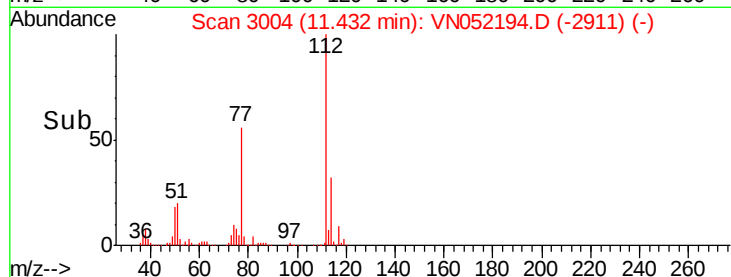
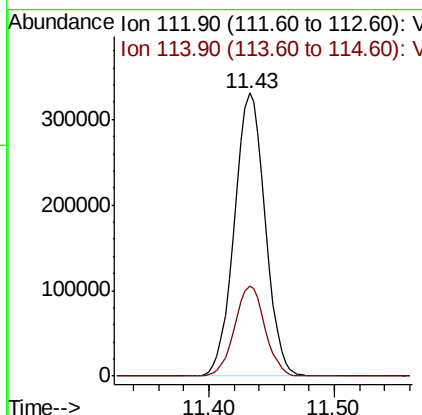
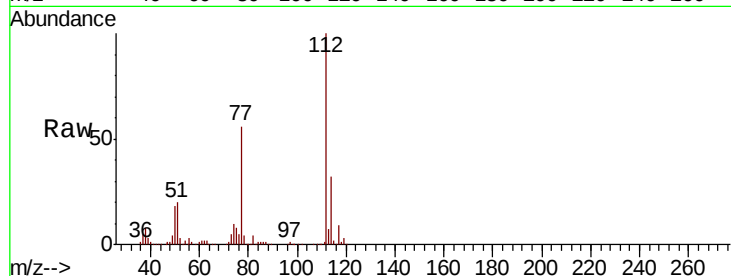




#65
Chlorobenzene
Concen: 49.827 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

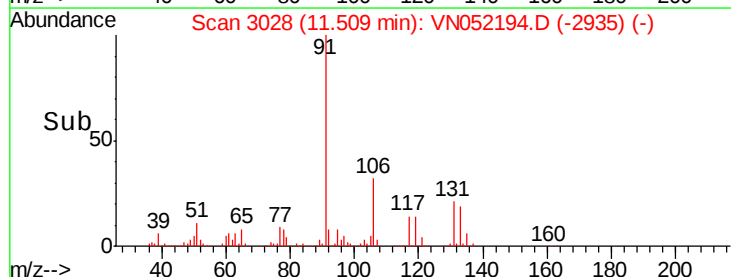
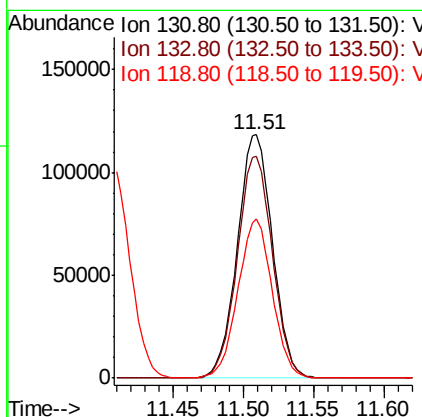
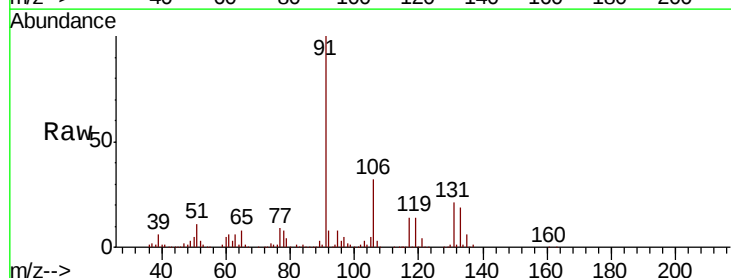
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

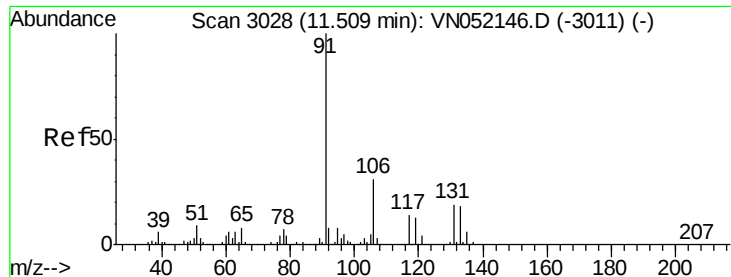
Tot Ion:112 Resp: 563708
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 54.355 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion:131 Resp: 206512
Ion Ratio Lower Upper
131 100
133 91.5 46.6 139.8
119 63.9 33.6 100.8

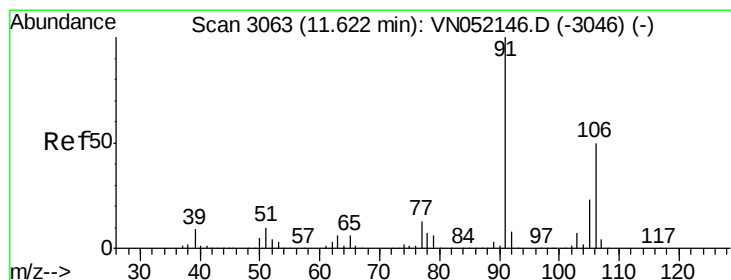
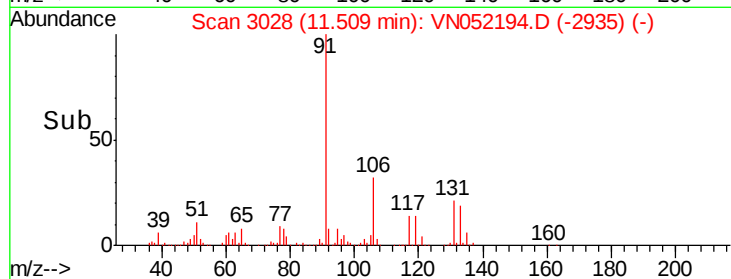
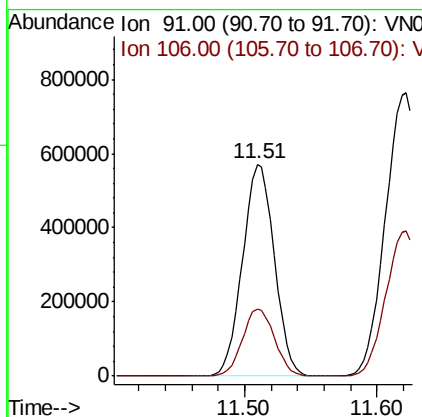
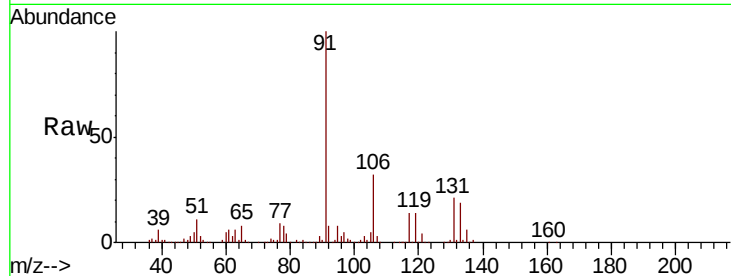




#67
Ethyl Benzene
Concen: 50.604 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

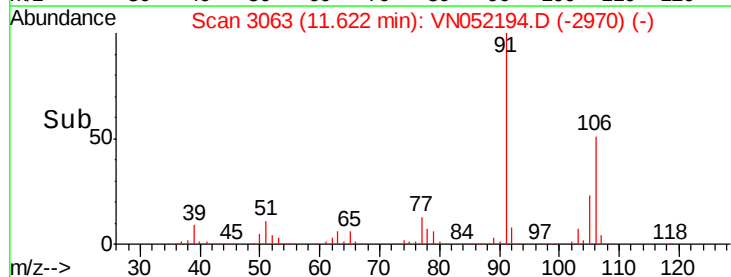
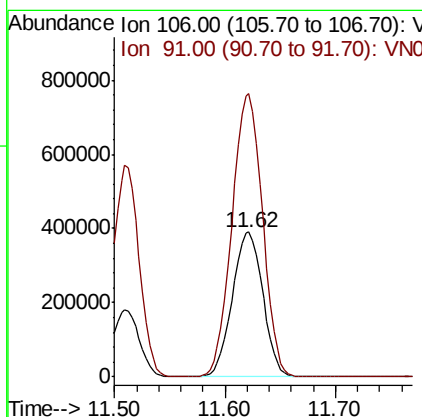
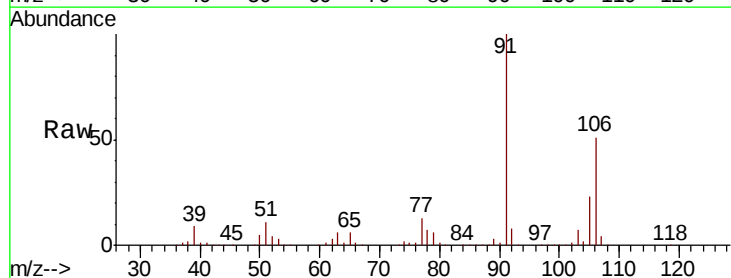
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

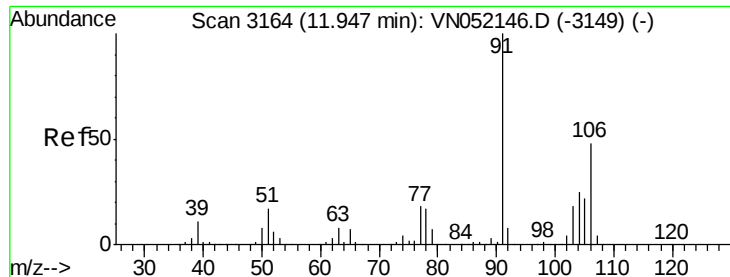
Tot Ion: 91 Resp: 950879
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 103.286 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 106 Resp: 748872
Ion Ratio Lower Upper
106 100
91 195.5 158.2 237.4

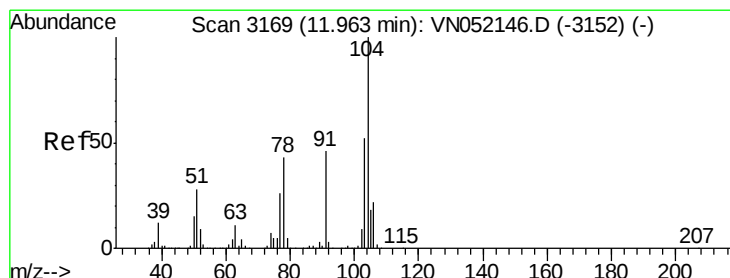
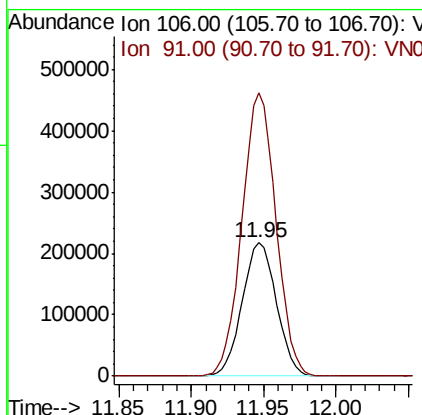
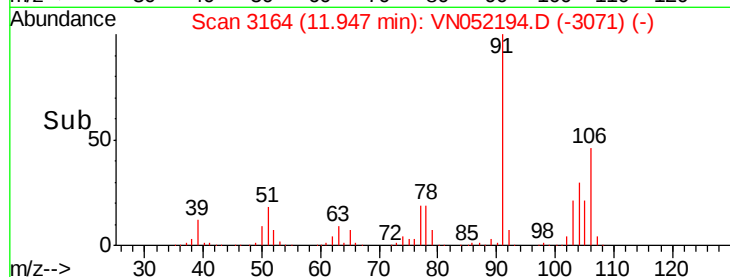
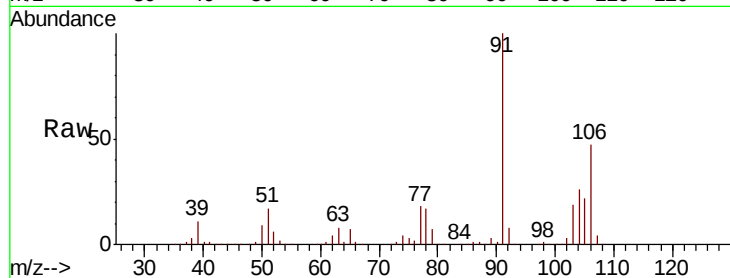




#69
o-Xylene
Concen: 51.124 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

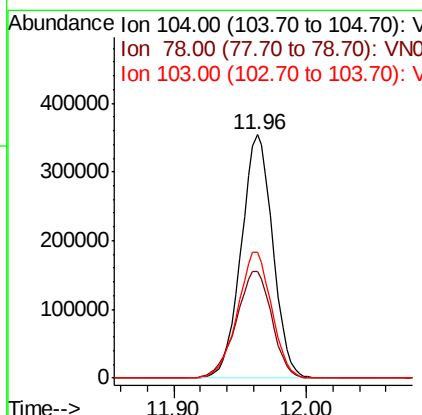
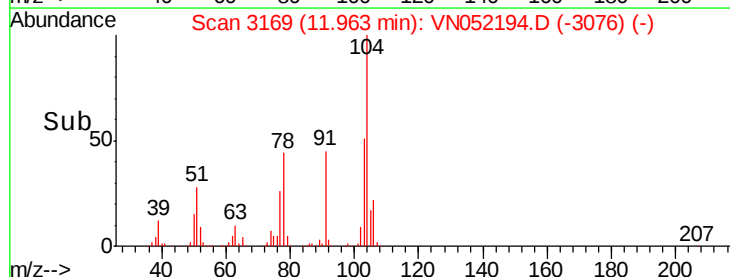
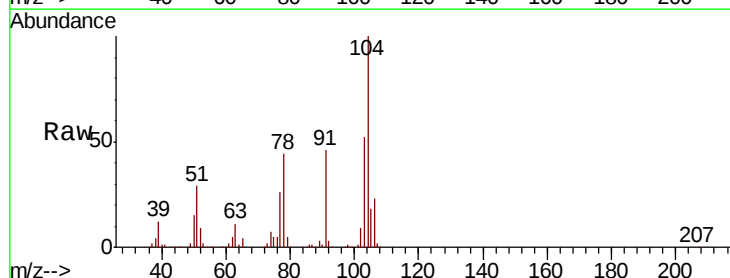
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

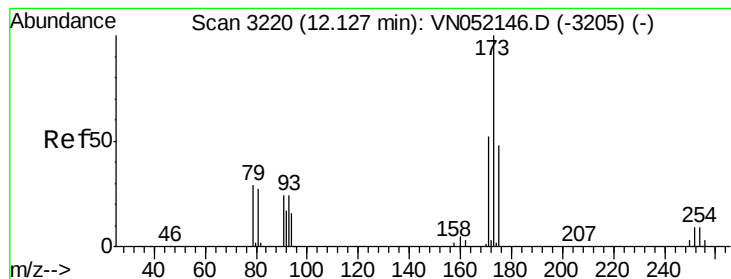
Tot Ion:106 Resp: 359478
Ion Ratio Lower Upper
106 100
91 210.0 104.8 314.3



#70
Styrene
Concen: 52.405 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion:104 Resp: 583329
Ion Ratio Lower Upper
104 100
78 49.6 39.4 59.0
103 56.0 45.1 67.7





#71

Bromoform

Concen: 49.785 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

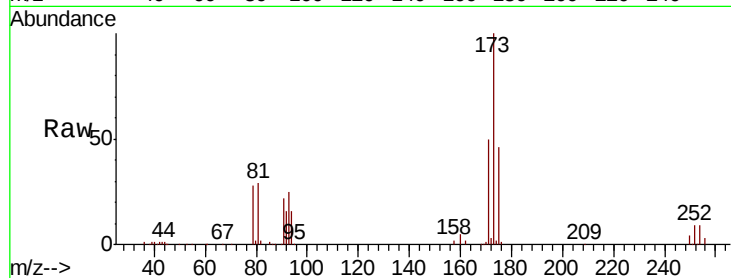
Tot Ion:173 Resp: 126093

Ion Ratio Lower Upper

173 100

175 47.6 24.8 74.4

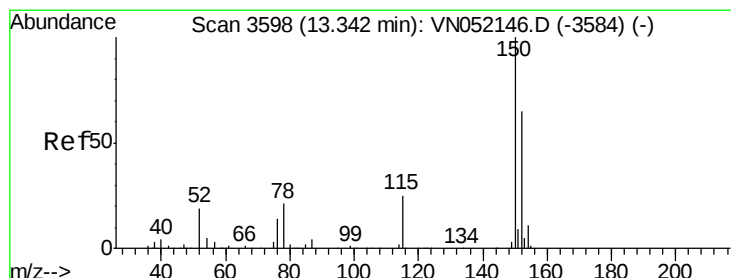
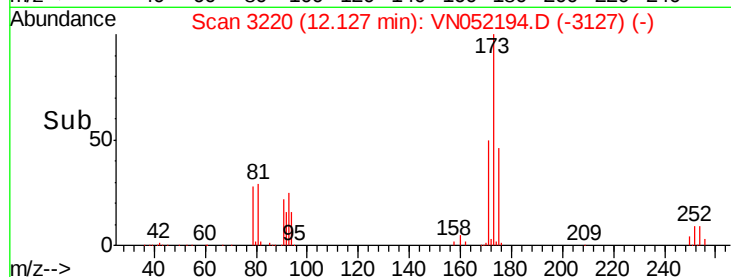
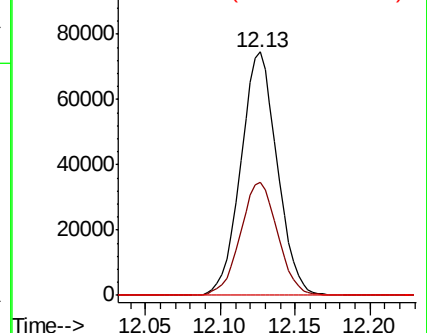
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

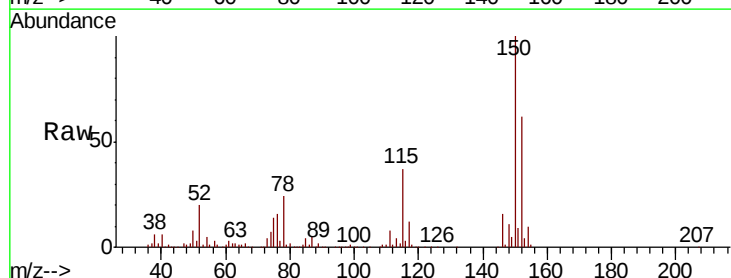
Tgt Ion:152 Resp: 259232

Ion Ratio Lower Upper

152 100

115 57.5 28.5 85.5

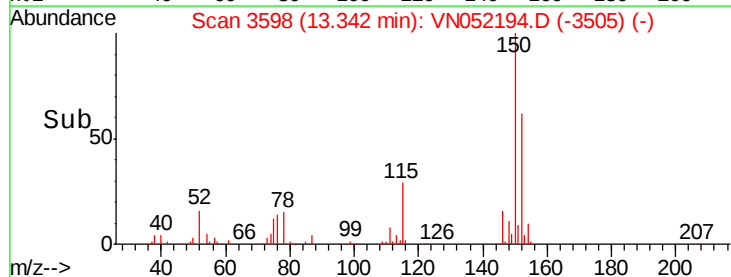
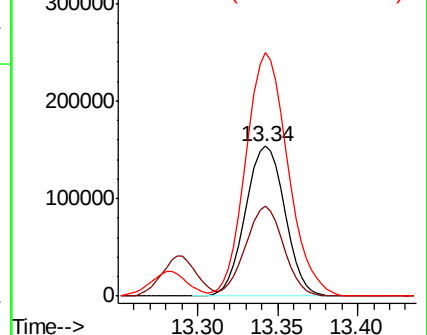
150 173.8 0.0 348.6

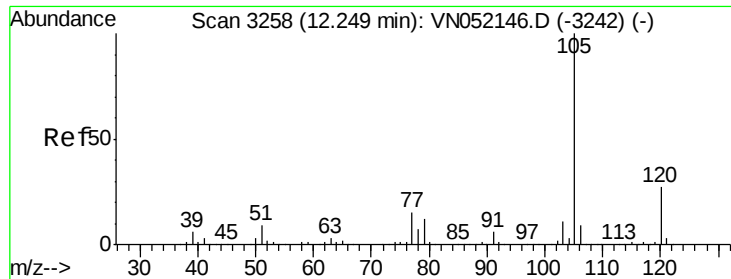


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.487 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

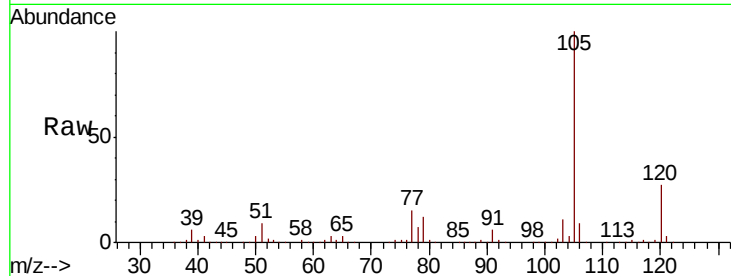
VSTDCCC050EC

Tot Ion:105 Resp: 950373

Ion Ratio Lower Upper

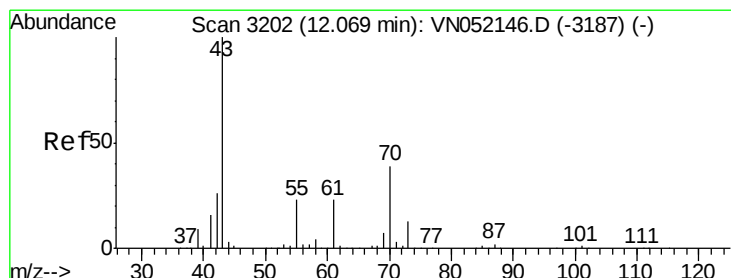
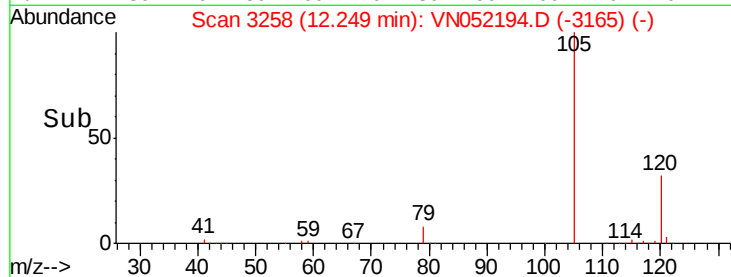
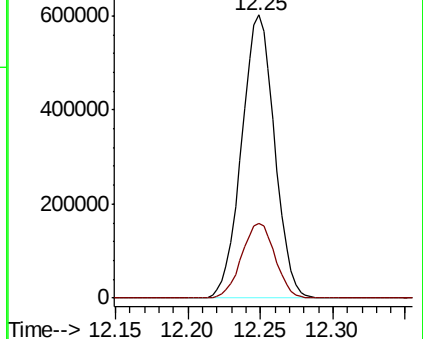
105 100

120 26.9 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.906 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Tgt Ion: 43 Resp: 313535

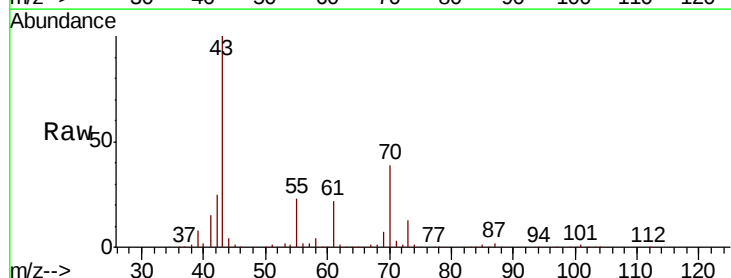
Ion Ratio Lower Upper

43 100

70 39.8 31.1 46.7

55 23.0 18.5 27.7

61 22.3 18.0 27.0

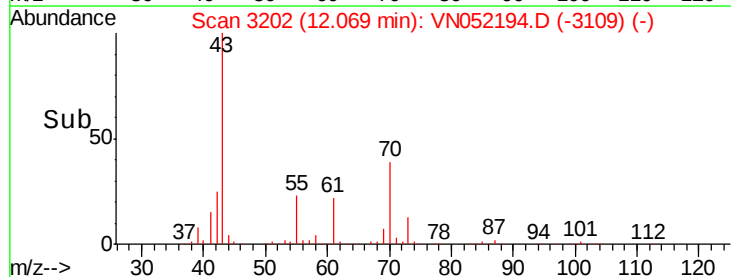
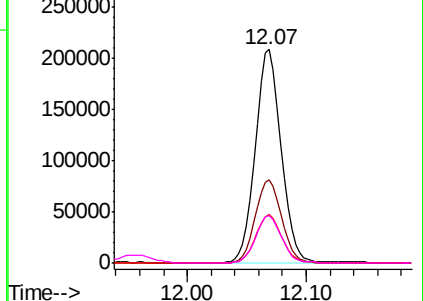


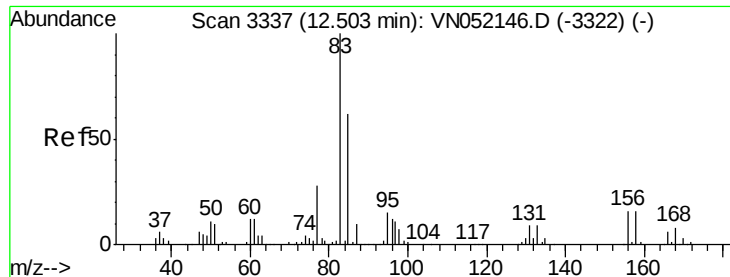
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.794 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

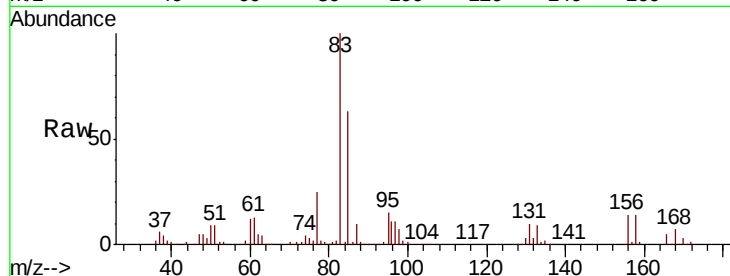
Tot Ion: 83 Resp: 226506

Ion Ratio Lower Upper

83 100

131 10.3 5.0 14.9

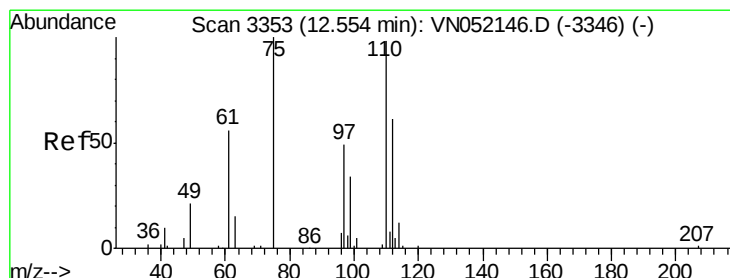
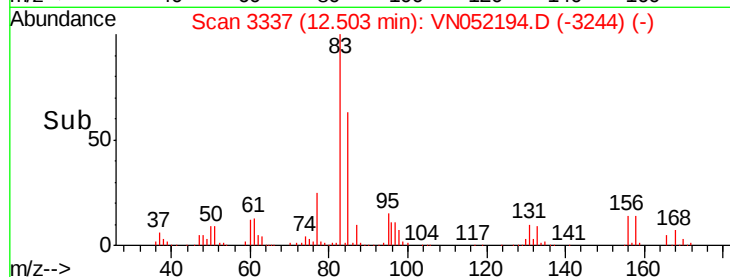
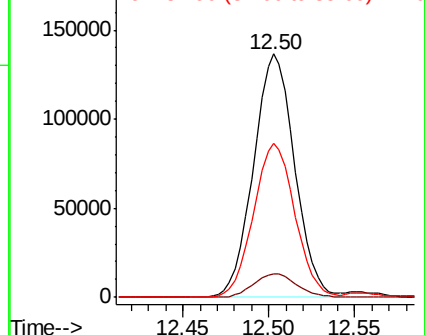
85 63.5 31.8 95.3



Abundance Ion 82.90 (82.60 to 83.60): VN052194.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN052194.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN052194.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 48.749 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052194.D

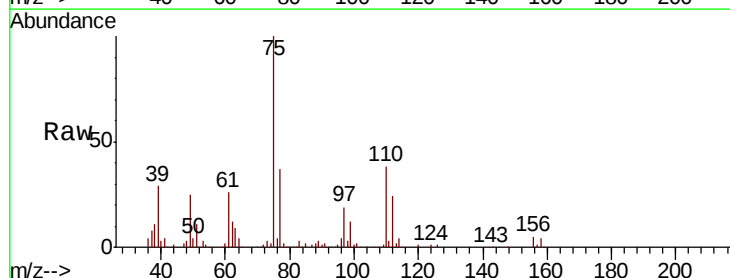
Acq: 6 Nov 2018 16:45

Tgt Ion: 75 Resp: 198877

Ion Ratio Lower Upper

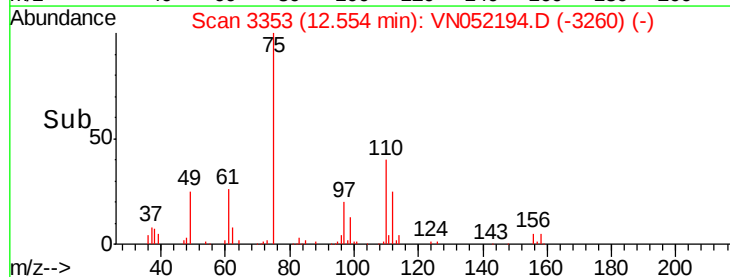
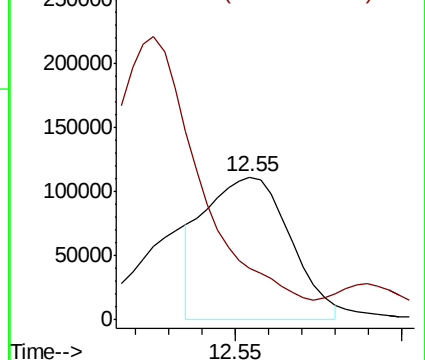
75 100

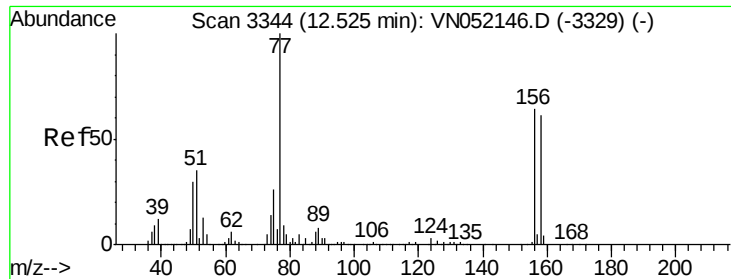
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052194.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052194.D (-3260) (-)





#77

Bromobenzene

Concen: 48.927 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

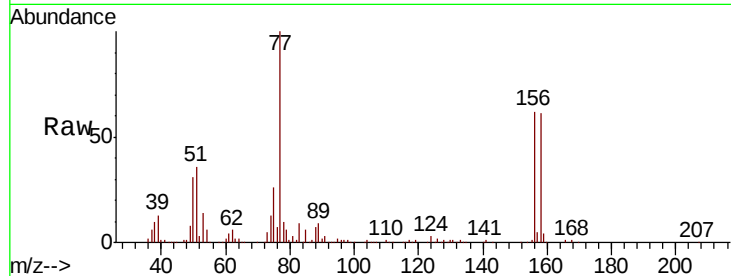
Tot Ion:156 Resp: 228682

Ion Ratio Lower Upper

156 100

77 190.7 91.6 274.9

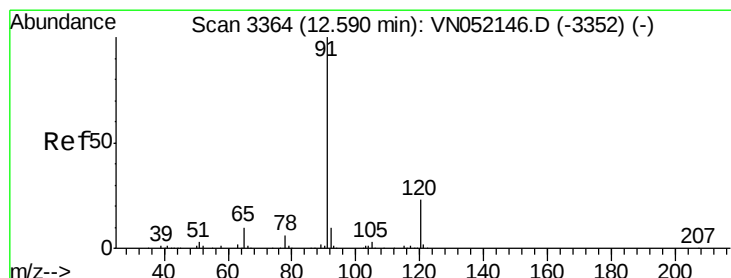
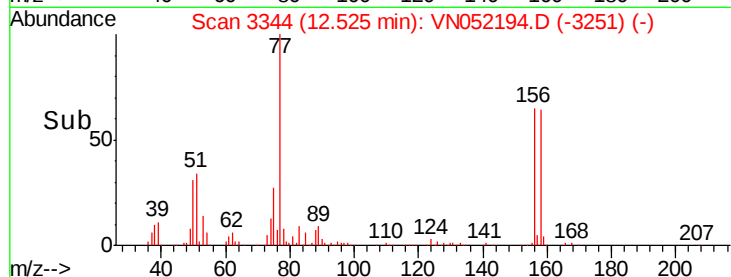
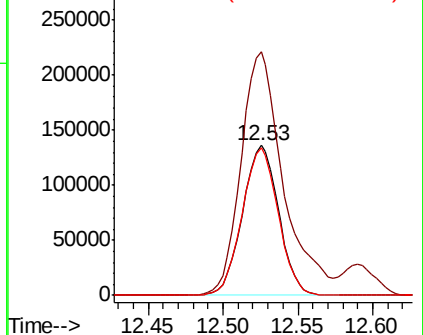
158 98.2 48.1 144.3



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: 48.834 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052194.D

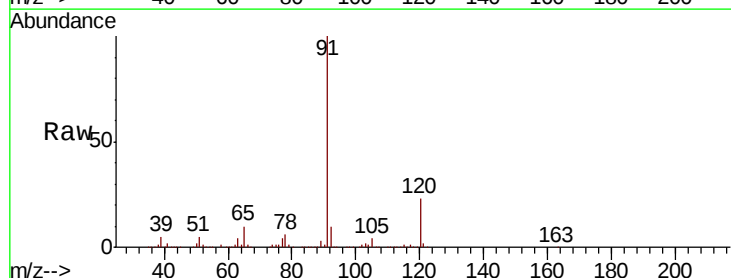
Acq: 6 Nov 2018 16:45

Tgt Ion: 91 Resp: 1093907

Ion Ratio Lower Upper

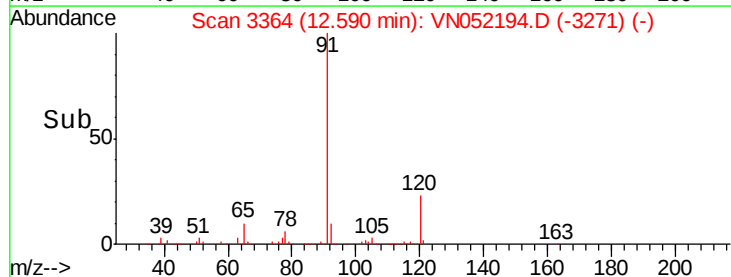
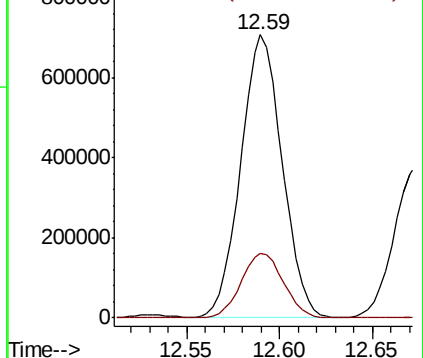
91 100

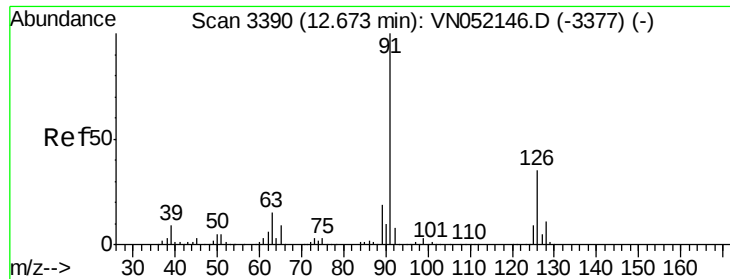
120 23.4 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.185 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

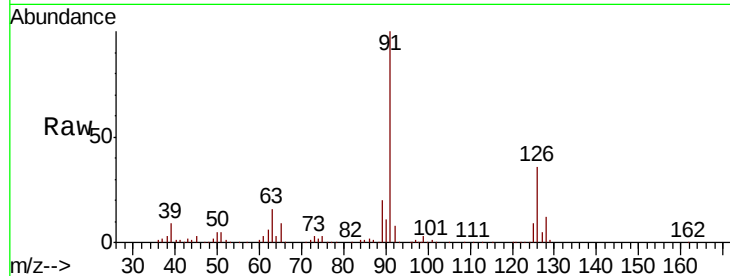
VSTDCCC050EC

Tot Ion: 91 Resp: 632951

Ion Ratio Lower Upper

91 100

126 36.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN052146.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN052146.D (-3377) (-)

800000

600000

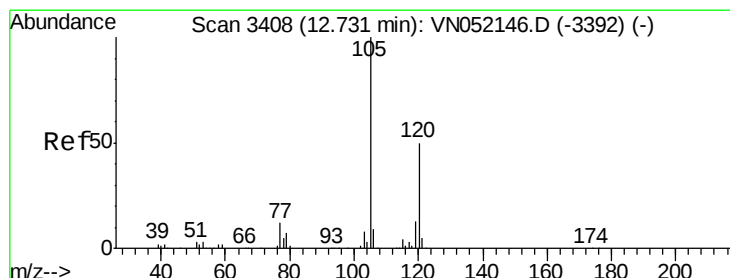
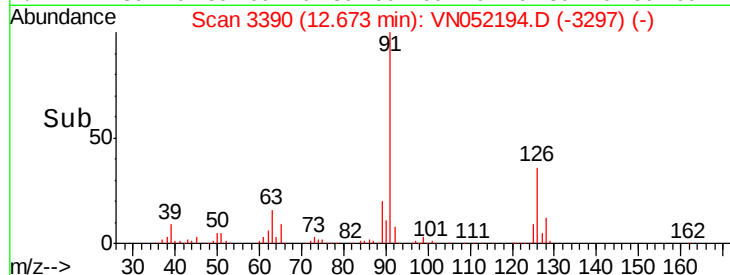
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.863 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052194.D

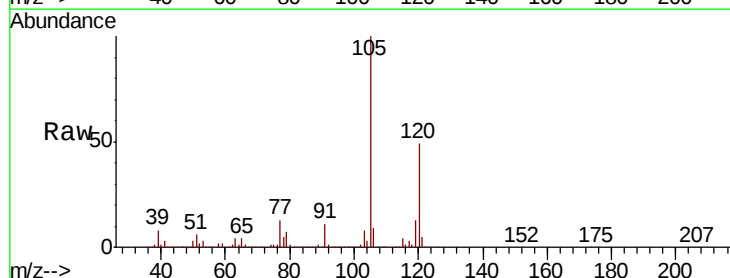
Acq: 6 Nov 2018 16:45

Tgt Ion:105 Resp: 775234

Ion Ratio Lower Upper

105 100

120 48.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN052146.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN052146.D (-3392) (-)

500000

400000

300000

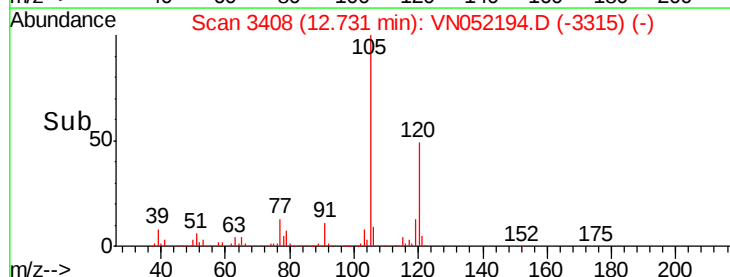
200000

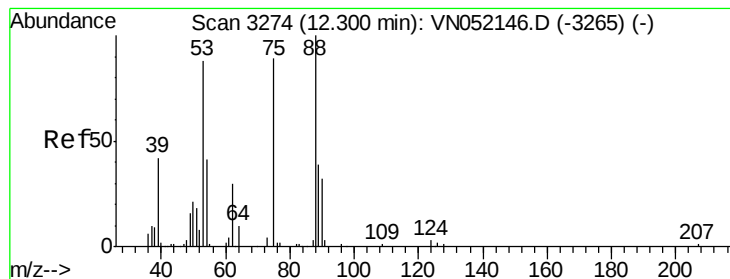
100000

0

12.70 12.73 12.76

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.639 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

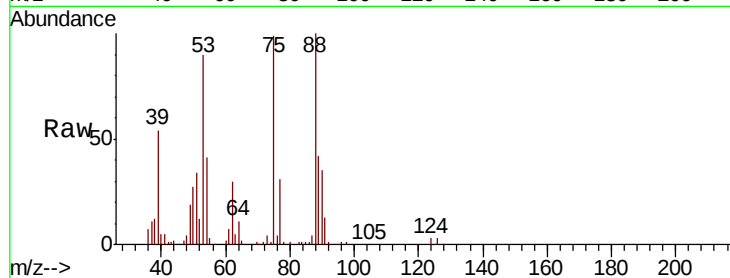
Tot Ion: 75 Resp: 62253

Ion Ratio Lower Upper

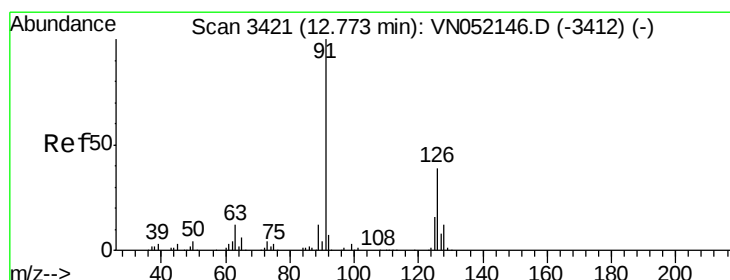
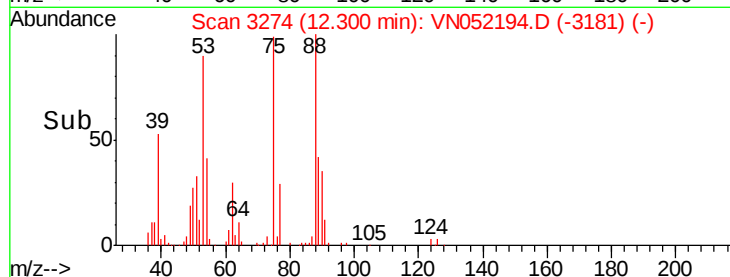
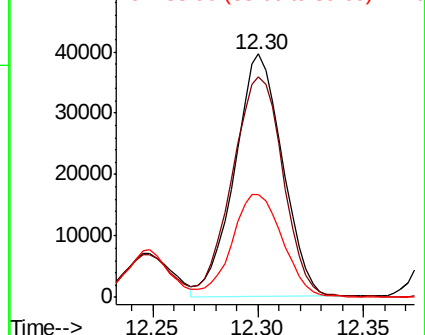
75 100

53 96.2 79.4 119.0

89 45.0 35.8 53.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 48.942 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052194.D

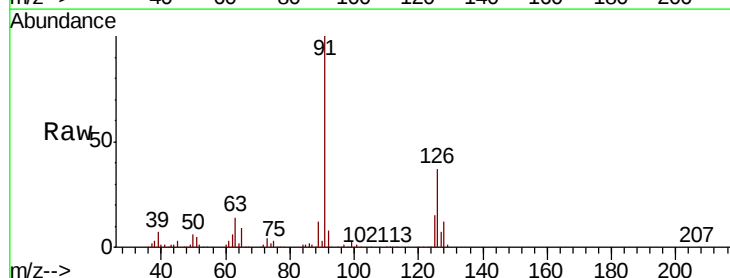
Acq: 6 Nov 2018 16:45

Tgt Ion: 91 Resp: 646164

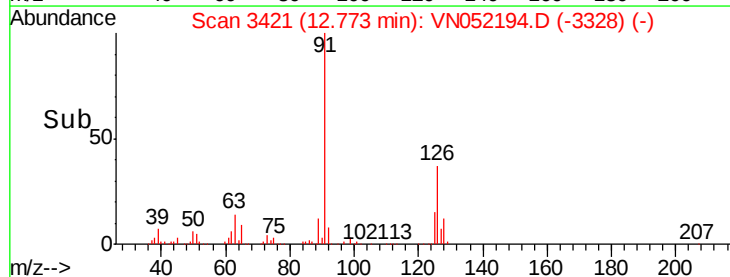
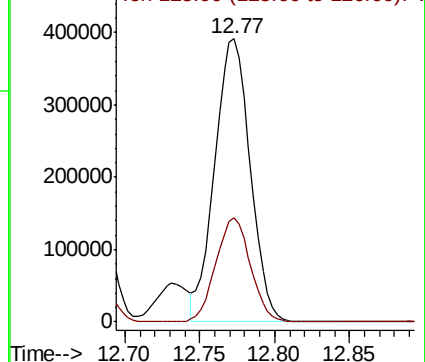
Ion Ratio Lower Upper

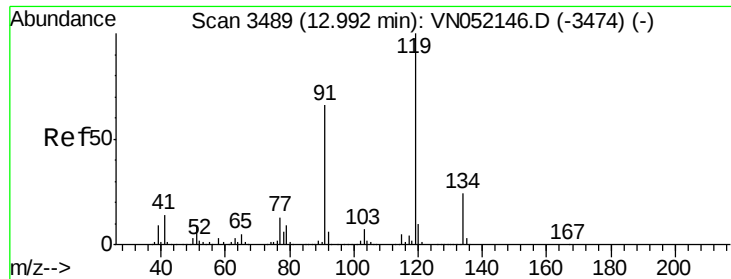
91 100

126 35.9 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V

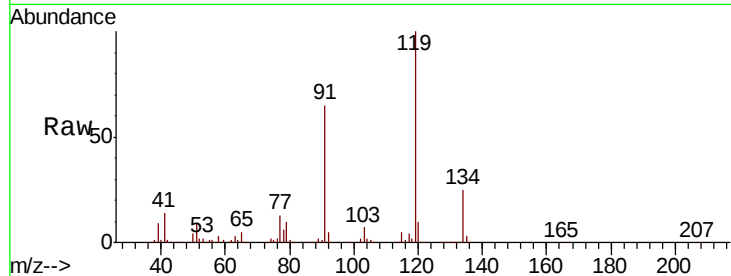




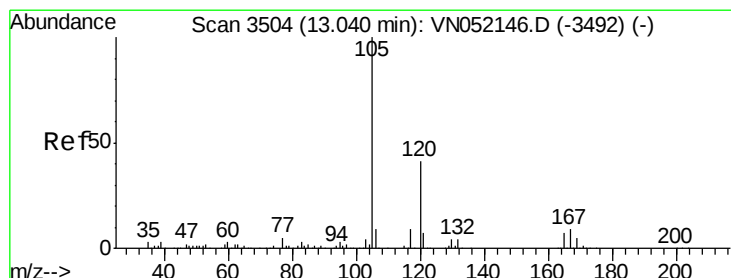
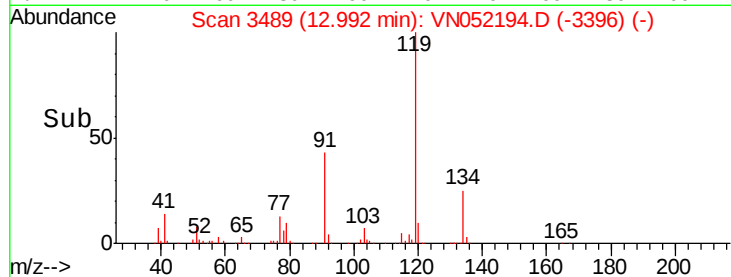
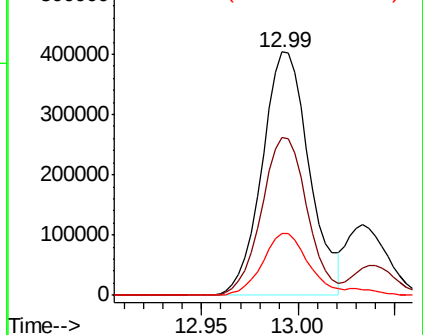
#83
 tert-Butylbenzene
 Concen: 49.124 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:119 Resp: 688195
 Ion Ratio Lower Upper
 119 100
 91 62.5 32.3 96.8
 134 24.6 13.0 38.9

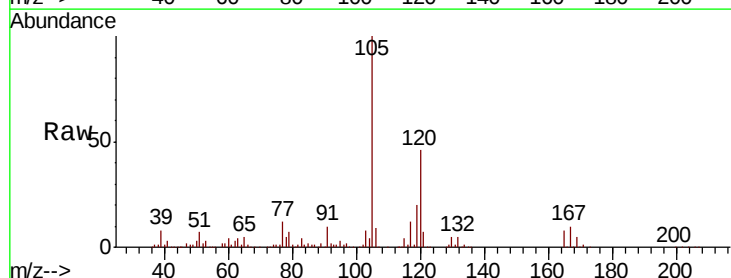


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

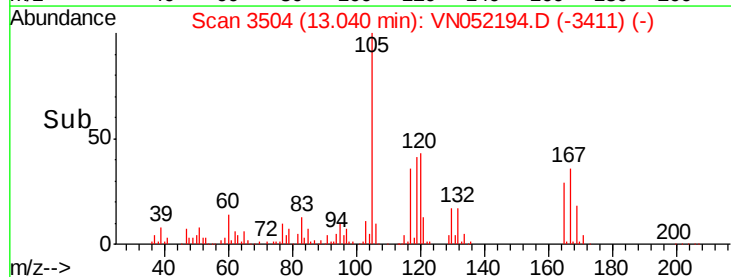
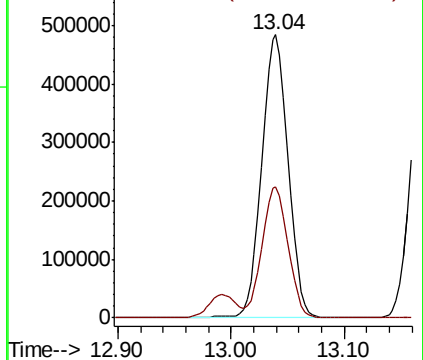


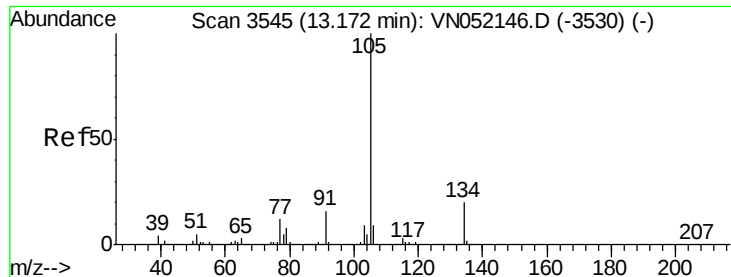
#84
 1,2,4-Trimethylbenzene
 Concen: 49.439 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion:105 Resp: 780801
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 49.098 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

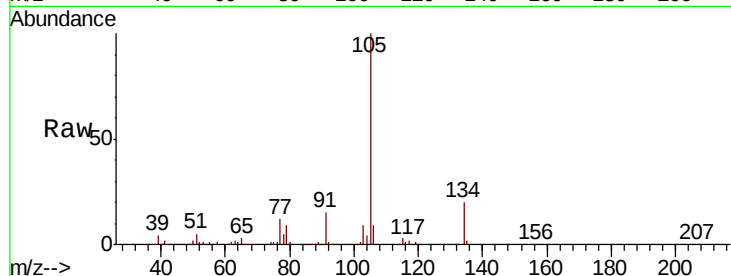
VSTDCCC050EC

Tot Ion:105 Resp: 930081

Ion Ratio Lower Upper

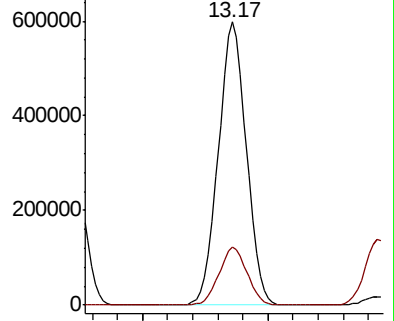
105 100

134 20.5 10.2 30.4

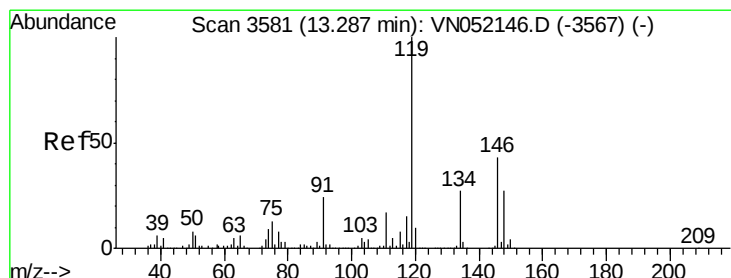
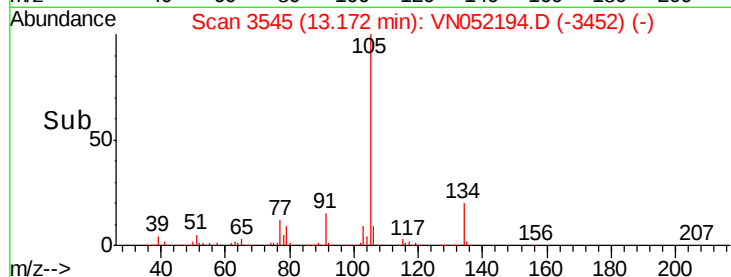


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 50.189 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

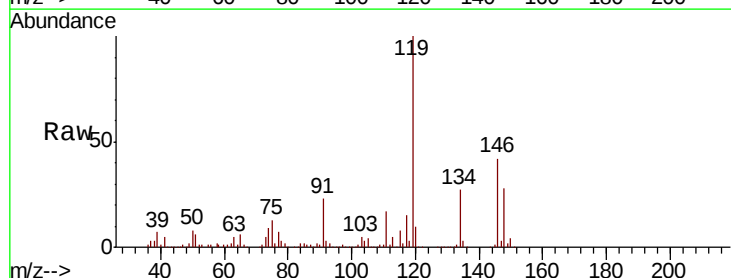
Tgt Ion:119 Resp: 800226

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.5

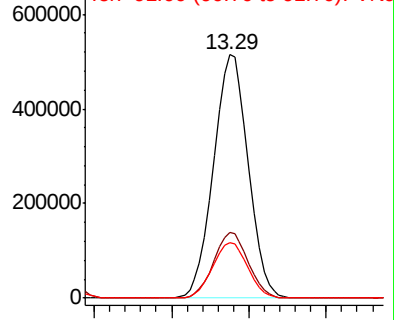
91 23.1 11.9 35.7



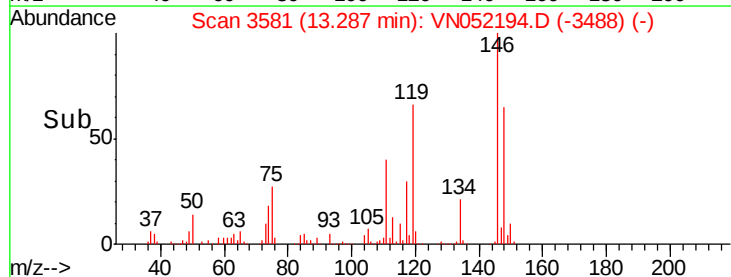
Abundance Ion 119.00 (118.70 to 119.70): V

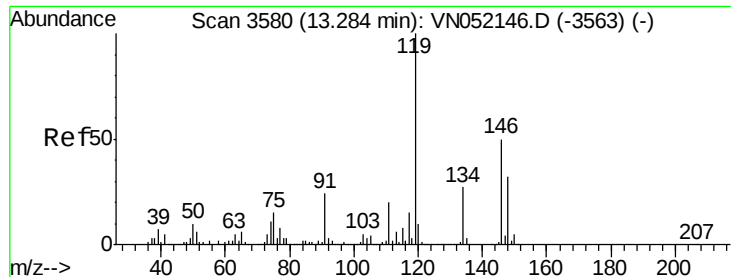
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 49.972 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

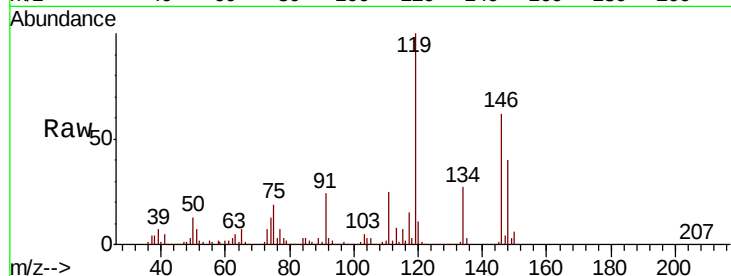
Tot Ion:146 Resp: 412757

Ion Ratio Lower Upper

146 100

111 40.0 20.2 60.6

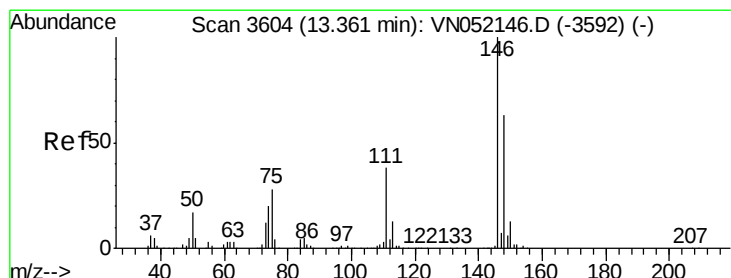
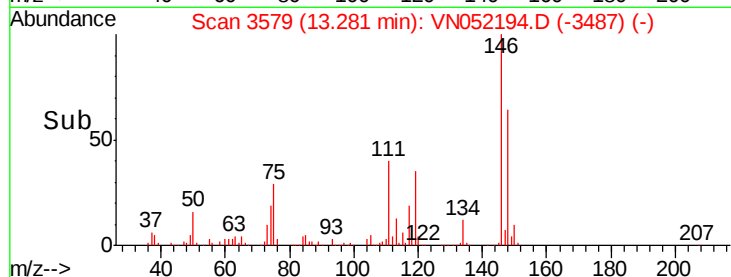
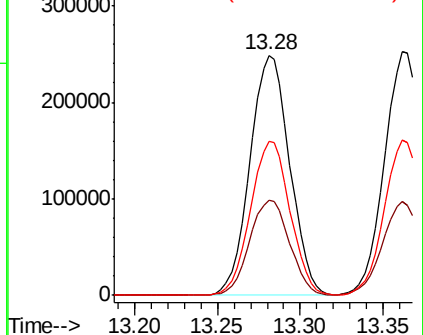
148 63.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.811 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

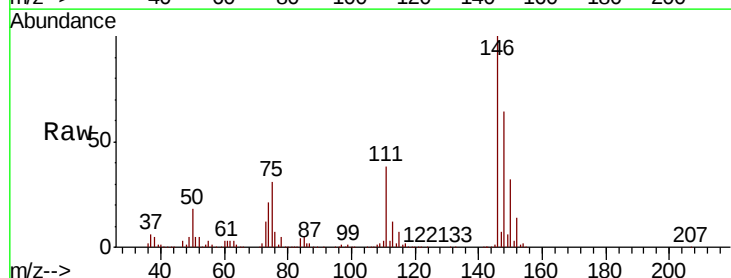
Tgt Ion:146 Resp: 411231

Ion Ratio Lower Upper

146 100

111 39.3 19.4 58.1

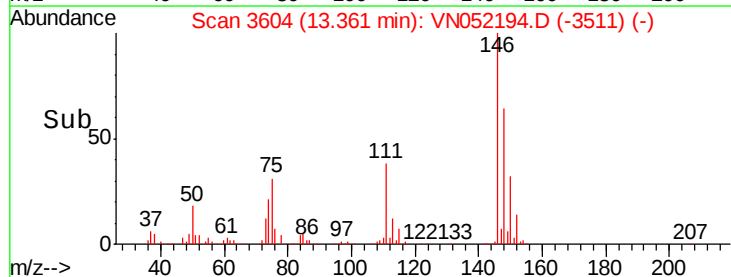
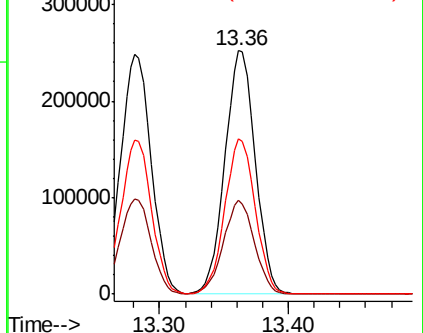
148 64.1 31.5 94.5

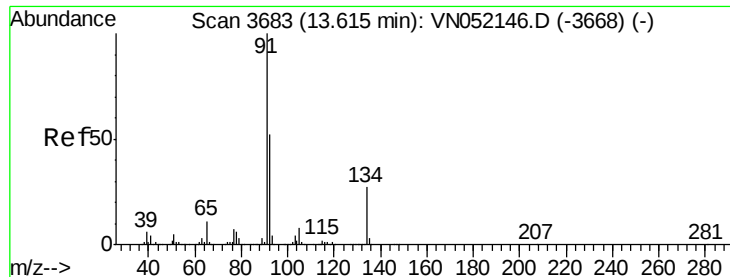


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

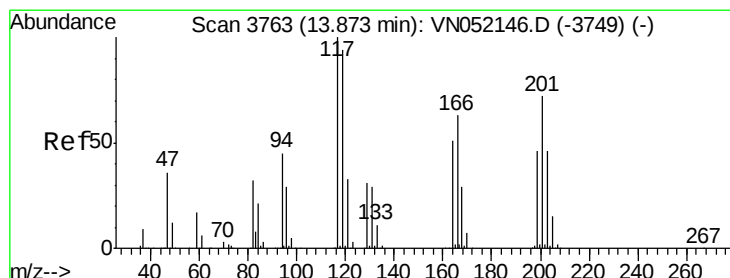
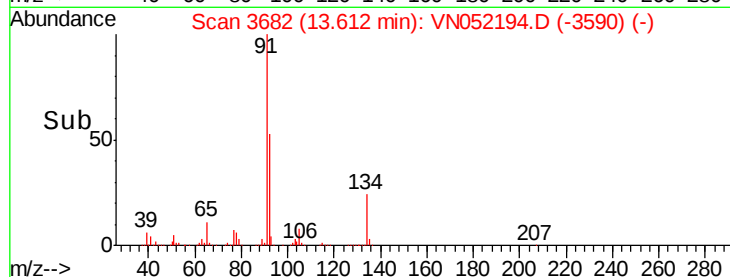
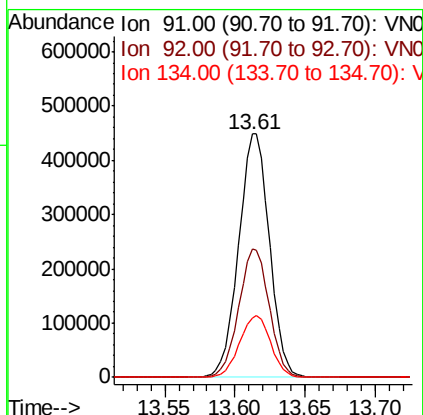
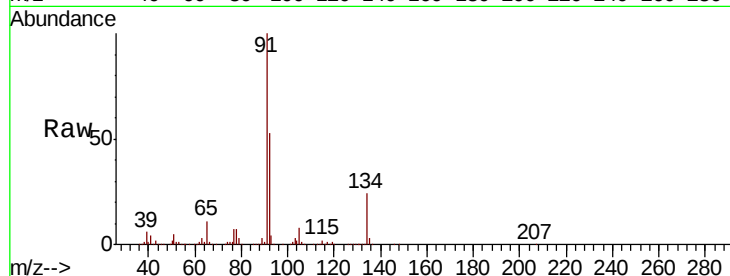




#89
n-Butylbenzene
Concen: 49.757 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

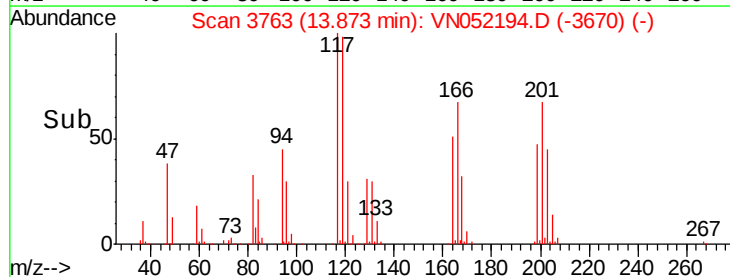
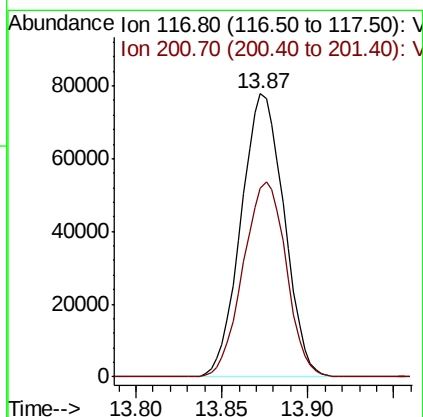
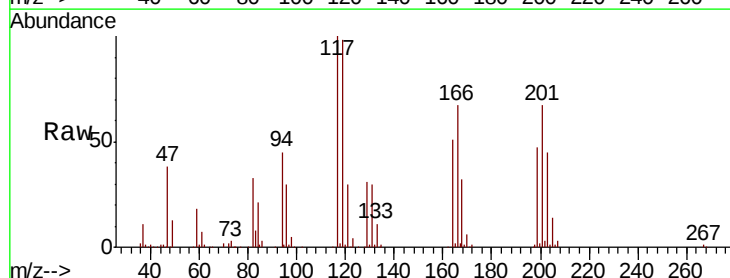
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

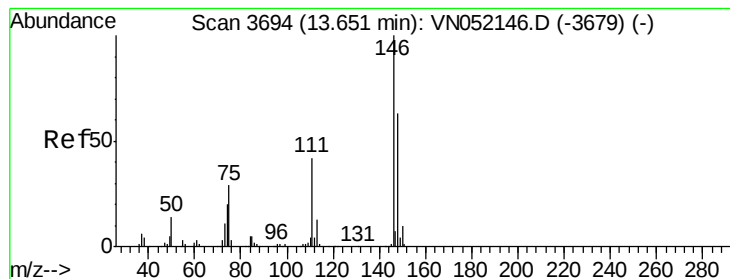
Tot Ion: 91 Resp: 686947
Ion Ratio Lower Upper
91 100
92 52.0 26.3 78.8
134 25.5 13.4 40.2



#90
Hexachloroethane
Concen: 50.281 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052194.D
Acq: 6 Nov 2018 16:45

Tgt Ion: 117 Resp: 135112
Ion Ratio Lower Upper
117 100
201 69.0 36.8 110.3





#91

1,2-Dichlorobenzene

Concen: 50.185 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

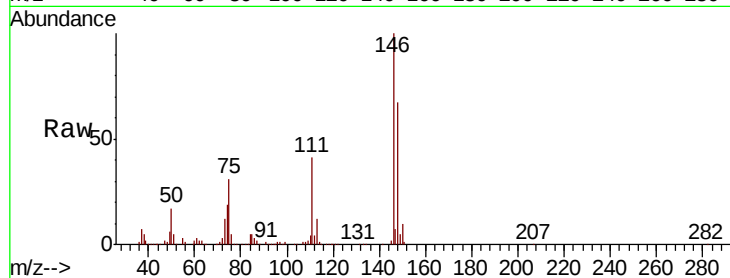
Tot Ion:146 Resp: 389009

Ion Ratio Lower Upper

146 100

111 41.1 21.1 63.1

148 65.9 31.4 94.3

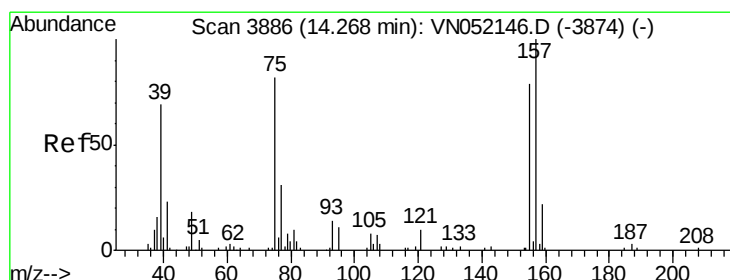
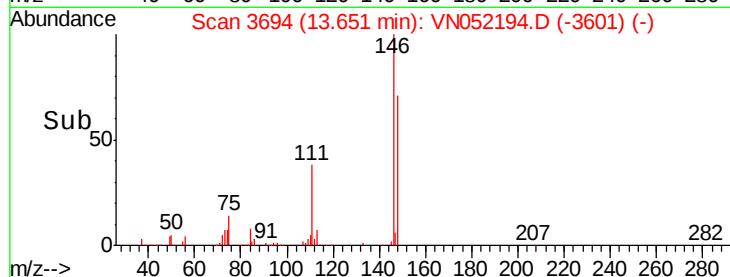
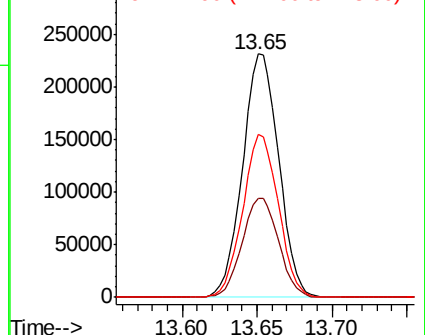


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 54.745 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

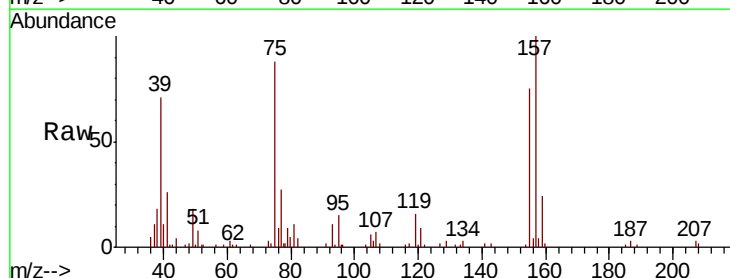
Tgt Ion: 75 Resp: 31005

Ion Ratio Lower Upper

75 100

155 87.0 47.4 142.2

157 116.0 60.3 180.8

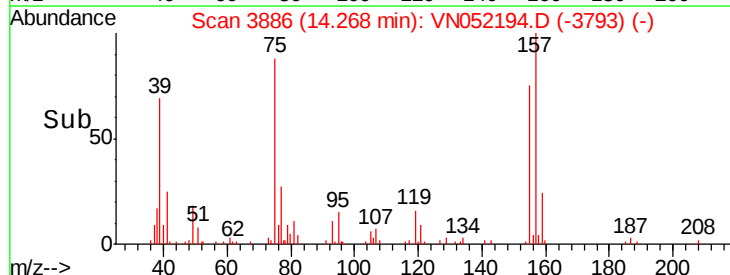
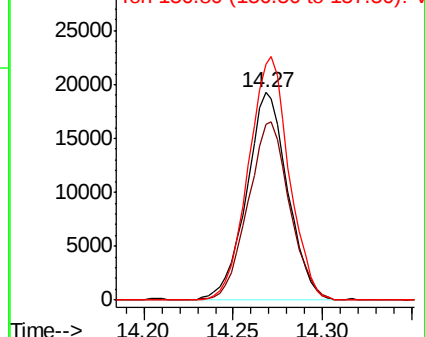


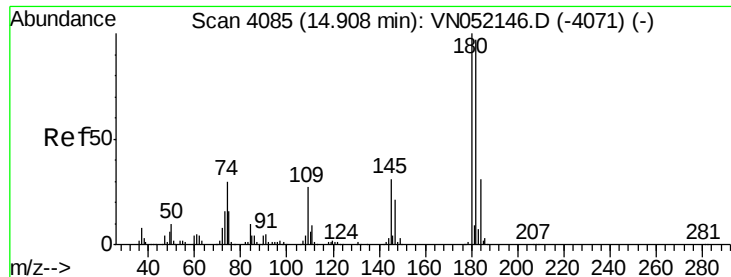
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

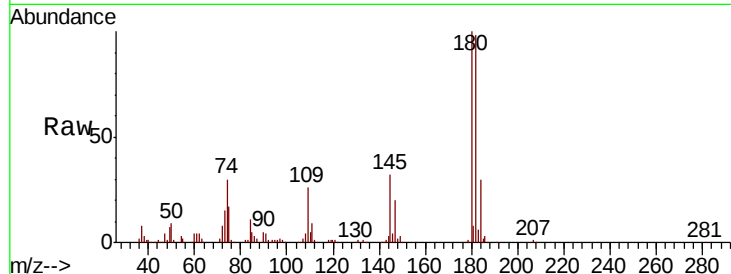




#93
 1,2,4-Trichlorobenzene
 Concen: 50.375 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	31.2	15.3	45.9

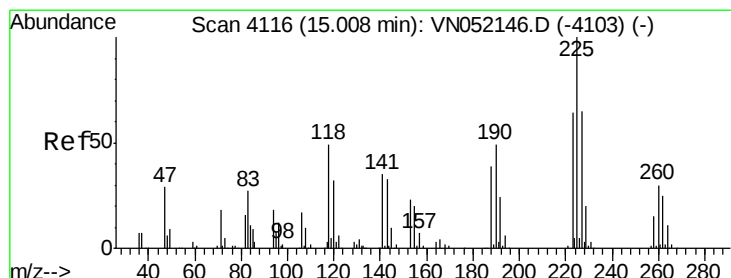
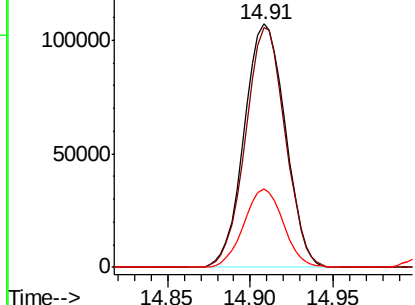
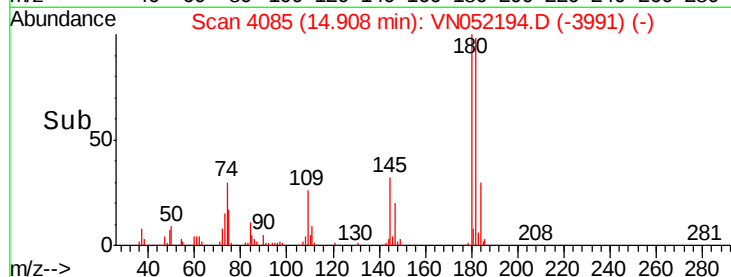


Abundance

Ion 179.80 (179.50 to 180.50): V

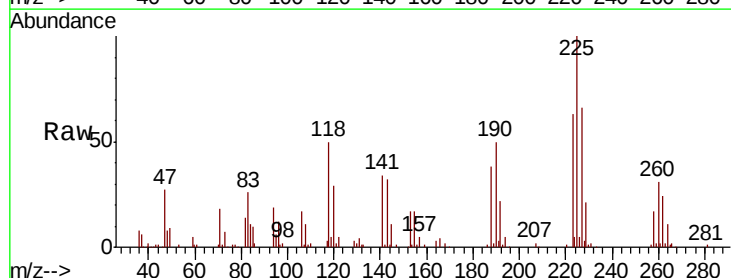
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 49.580 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052194.D
 Acq: 6 Nov 2018 16:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	32.3	96.8
227	63.6	31.6	94.8

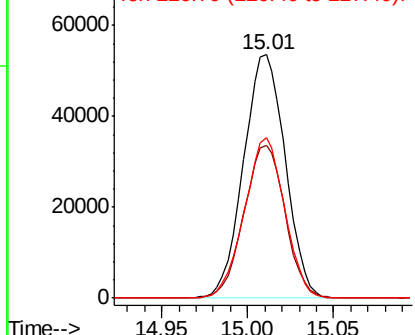
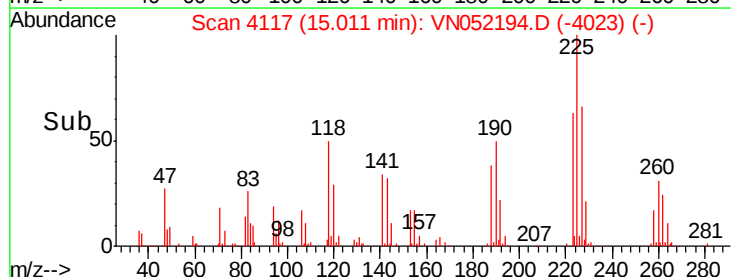


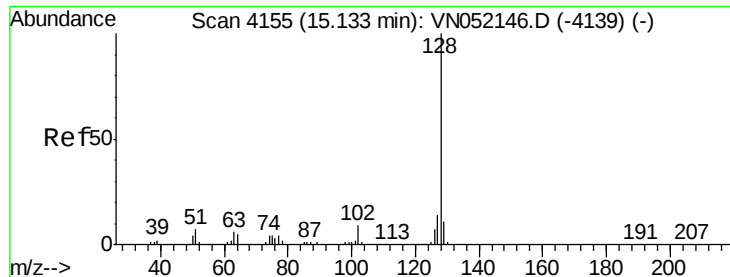
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.587 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Instrument :

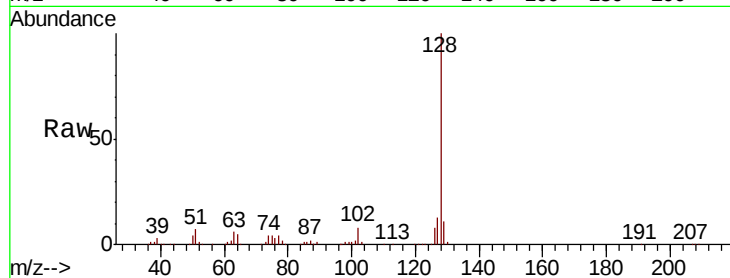
MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:128 Resp: 441266

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.9	9.1	13.7

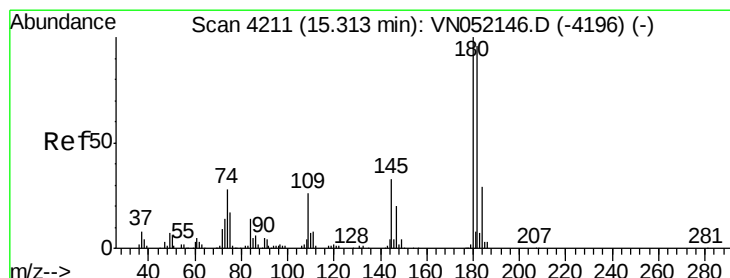
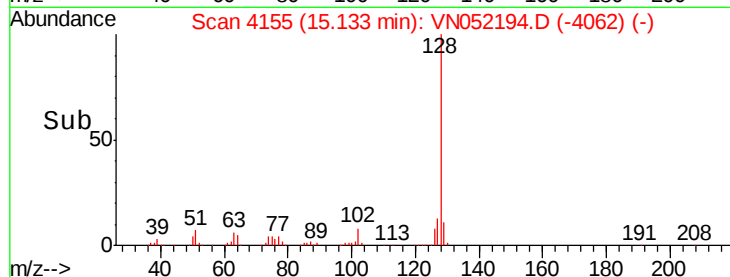
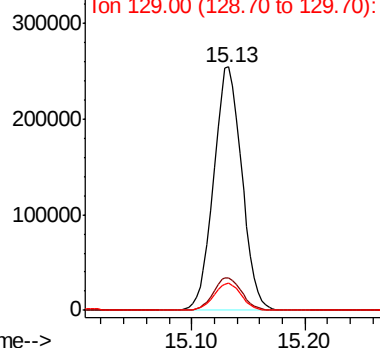


Abundance

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: 51.580 ug/l

RT: 15.31 min Scan# 4211

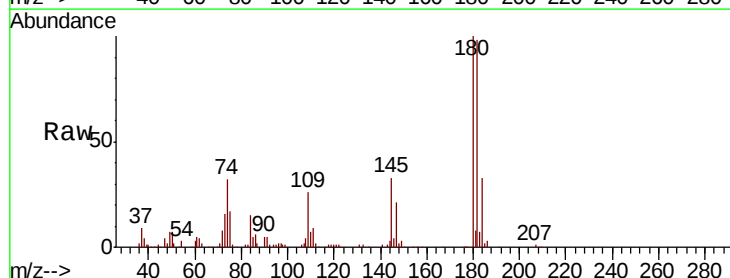
Delta R.T. 0.00 min

Lab File: VN052194.D

Acq: 6 Nov 2018 16:45

Tgt Ion:180 Resp: 162566

Ion	Ratio	Lower	Upper
180	100		
182	96.0	46.6	139.7
145	32.7	16.7	50.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

