

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052815.D
 Acq On : 11 Dec 2018 21:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 12 00:32:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	890748	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1377502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1244219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	607482	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	504964	52.07	ug/l	0.00
Spiked Amount			Recovery	=	104.14%	
35) Dibromofluoromethane	7.59	113	404507	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
50) Toluene-d8	10.09	98	1743865	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	
62) 4-Bromofluorobenzene	12.40	95	618573	55.69	ug/l	0.00
Spiked Amount			Recovery	=	111.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	333696	40.010	ug/l	98
3) Chloromethane	2.06	50	442021	40.150	ug/l	100
4) Vinyl Chloride	2.19	62	463195	40.957	ug/l	99
5) Bromomethane	2.57	94	259425	36.764	ug/l	99
6) Chloroethane	2.71	64	290513	42.408	ug/l	98
7) Trichlorofluoromethane	3.02	101	639174	46.011	ug/l	100
8) Diethyl Ether	3.41	74	251230	48.972	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	404778	46.696	ug/l	99
10) Methyl Iodide	3.96	142	527842	45.719	ug/l	99
11) Tert butyl alcohol	4.78	59	144206	297.001	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	380457	45.597	ug/l	98
13) Acrolein	3.61	56	235619	279.212	ug/l	99
14) Allyl chloride	4.33	41	661720	46.014	ug/l	99
15) Acrylonitrile	4.99	53	805579	262.102	ug/l	99
16) Acetone	3.82	43	543067	212.292	ug/l	98
17) Carbon Disulfide	4.06	76	942504	35.894	ug/l	100
18) Methyl Acetate	4.33	43	426009	58.057	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1156137	52.078	ug/l	99
20) Methylene Chloride	4.55	84	456015	45.553	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	408452	45.834	ug/l	96
22) Diisopropyl ether	5.95	45	1465180	48.504	ug/l	98
23) Vinyl Acetate	5.90	43	4388823	233.264	ug/l	98
24) 1,1-Dichloroethane	5.85	63	832610	48.274	ug/l	99
25) 2-Butanone	6.83	43	900509	248.358	ug/l	96
26) 2,2-Dichloropropane	6.83	77	562212	47.094	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	503777	48.530	ug/l	97
28) Bromochloromethane	7.19	49	384638	48.826	ug/l	96
29) Tetrahydrofuran	7.21	42	596788	255.184	ug/l	98
30) Chloroform	7.37	83	826224	48.015	ug/l	99
31) Cyclohexane	7.65	56	700866	41.925	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	675440	49.542	ug/l	98
36) 1,1-Dichloropropene	7.80	75	597064	45.899	ug/l	98
37) Ethyl Acetate	6.93	43	396269	49.916	ug/l	99
38) Carbon Tetrachloride	7.78	117	571884	48.564	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
 Data File : VN052815.D
 Acq On : 11 Dec 2018 21:03
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 12 00:32:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	698015	44.148	ug/l	98
40) Benzene	8.04	78	1866796	48.155	ug/l	100
41) Methacrylonitrile	7.17	41	233290	53.751	ug/l	95
42) 1,2-Dichloroethane	8.13	62	581125	49.508	ug/l	99
43) Isopropyl Acetate	8.16	43	766495	57.053	ug/l	97
44) Trichloroethene	8.84	130	496624	50.012	ug/l	100
45) 1,2-Dichloropropane	9.12	63	511564	49.635	ug/l	99
46) Dibromomethane	9.21	93	293039	51.360	ug/l	98
47) Bromodichloromethane	9.40	83	631835	50.934	ug/l	99
48) Methyl methacrylate	9.20	41	365058	52.112	ug/l	97
49) 1,4-Dioxane	9.20	88	84720	1165.291	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	2062743	273.651	ug/l	99
52) Toluene	10.16	92	1161495	50.427	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	630170	52.805	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	734229	51.341	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	433630	53.522	ug/l	97
56) Ethyl methacrylate	10.43	69	573507	50.924	ug/l	98
57) 1,3-Dichloropropane	10.71	76	730857	51.088	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1584241	269.476	ug/l	98
59) 2-Hexanone	10.75	43	1400760	276.882	ug/l	99
60) Dibromochloromethane	10.90	129	474766	53.953	ug/l	99
61) 1,2-Dibromoethane	11.01	107	420853	52.300	ug/l	100
64) Tetrachloroethene	10.63	164	539146	55.889	ug/l	98
65) Chlorobenzene	11.43	112	1283867	50.042	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	466161	52.257	ug/l	100
67) Ethyl Benzene	11.51	91	2231522	49.669	ug/l	100
68) m/p-Xylenes	11.62	106	1675260	100.162	ug/l	100
69) o-Xylene	11.95	106	829099	51.047	ug/l	99
70) Styrene	11.96	104	1381059	53.386	ug/l	99
71) Bromoform	12.13	173	327585	55.461	ug/l #	99
73) Isopropylbenzene	12.25	105	2227913	46.745	ug/l	99
74) N-amyl acetate	12.07	43	652498	54.190	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	512982	47.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	660488	70.507	ug/l #	100
77) Bromobenzene	12.53	156	569951	48.381	ug/l	97
78) n-propylbenzene	12.59	91	2551576	47.125	ug/l	99
79) 2-Chlorotoluene	12.68	91	1506918	46.736	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1806718	47.531	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	140680	50.152	ug/l	99
82) 4-Chlorotoluene	12.77	91	1536961	47.297	ug/l	99
83) tert-Butylbenzene	12.99	119	1603364	47.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1841173	48.333	ug/l	100
85) sec-Butylbenzene	13.17	105	2184975	47.339	ug/l	99
86) p-Isopropyltoluene	13.29	119	1890190	48.082	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1020076	49.503	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	999194	49.227	ug/l	100
89) n-Butylbenzene	13.62	91	1594302	48.765	ug/l	100
90) Hexachloroethane	13.88	117	315690	47.427	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	990267	50.299	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	81277	52.416	ug/l	93

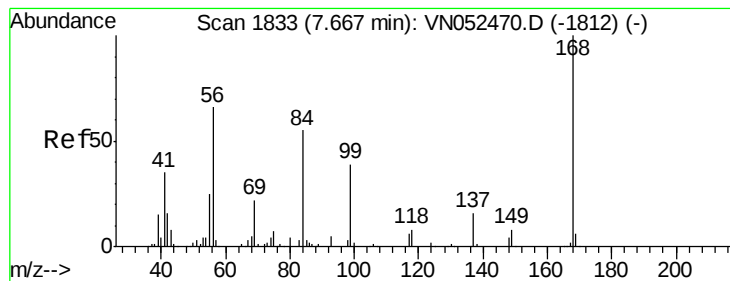
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121118\
Data File : VN052815.D
Acq On : 11 Dec 2018 21:03
Operator : MD\SY
Sample : VSTDCCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 12 00:32:10 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	543352	50.359	ug/l	99
94) Hexachlorobutadiene	15.01	225	305741	48.273	ug/l	99
95) Naphthalene	15.13	128	1134697	49.639	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	494909	49.915	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

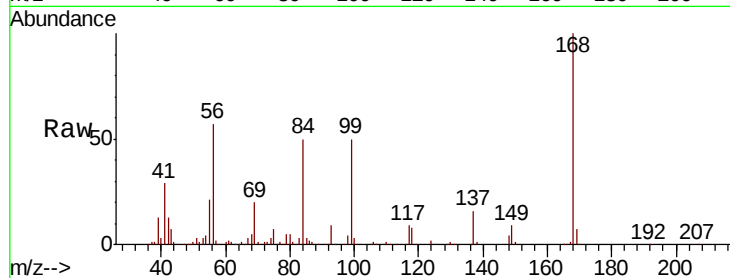
VSTDCCC050EC

Tot Ion:168 Resp: 890748

Ion Ratio Lower Upper

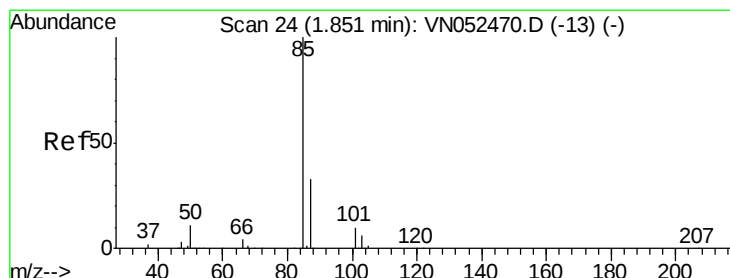
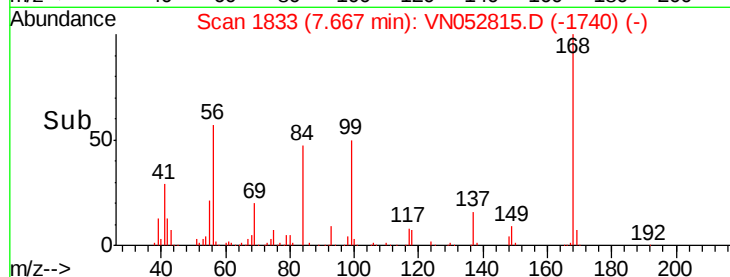
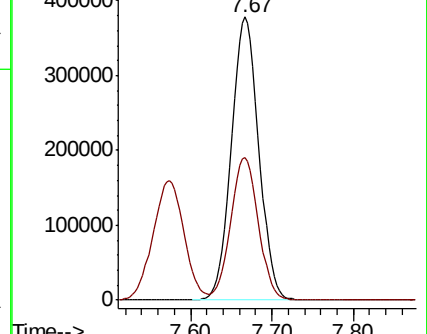
168 100

99 50.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 40.010 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052815.D

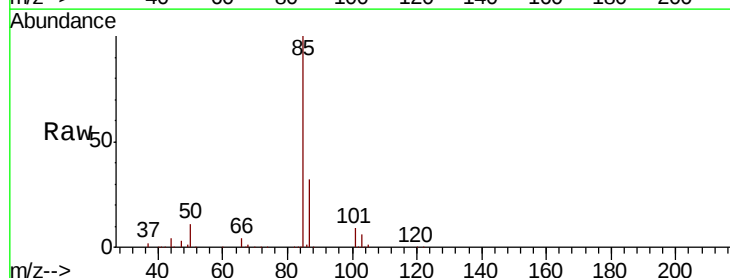
Acq: 11 Dec 2018 21:03

Tgt Ion: 85 Resp: 333696

Ion Ratio Lower Upper

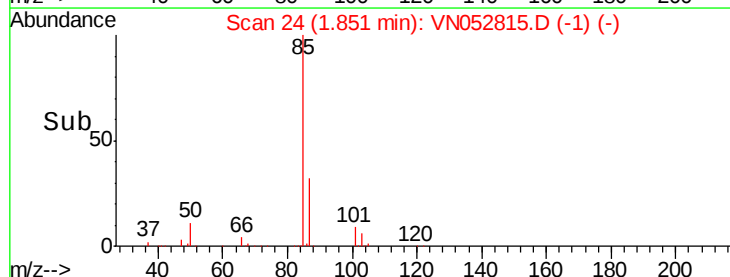
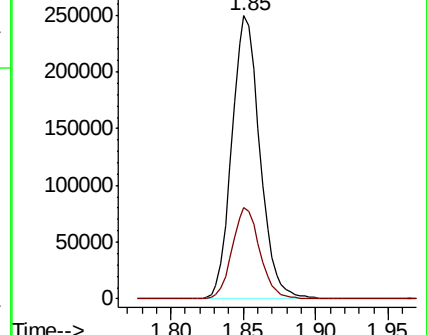
85 100

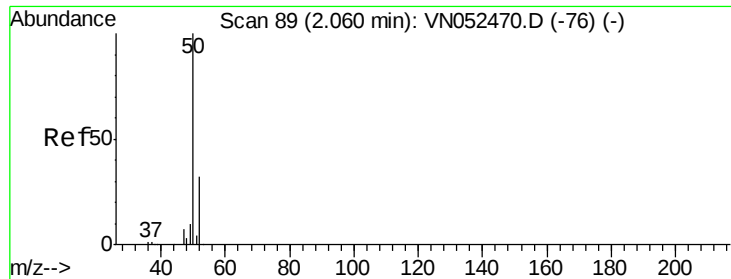
87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 40.150 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

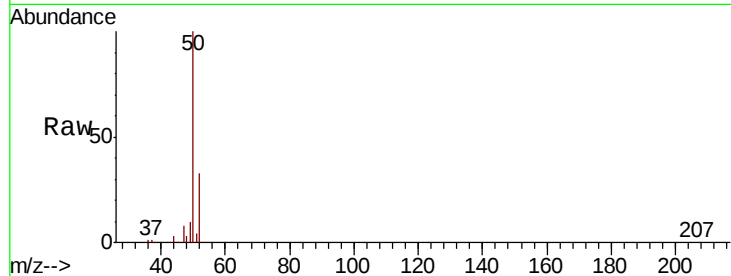
VSTDCCC050EC

Tot Ion: 50 Resp: 442021

Ion Ratio Lower Upper

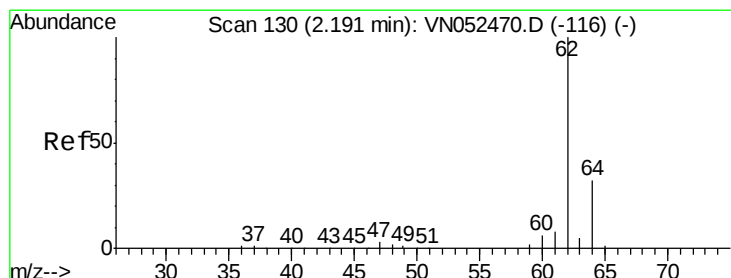
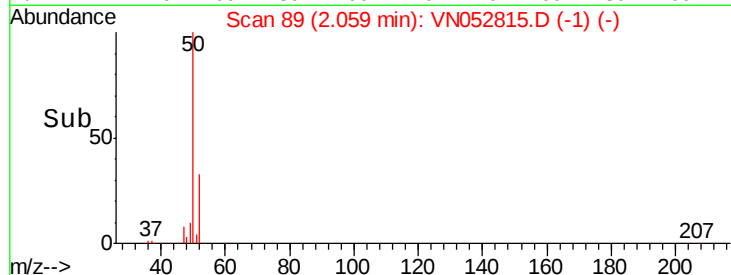
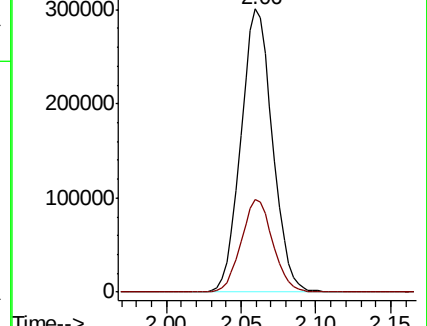
50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 40.957 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052815.D

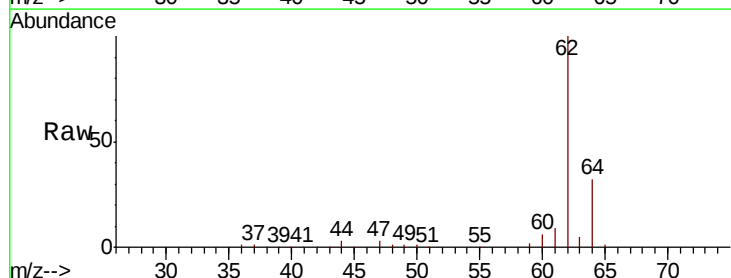
Acq: 11 Dec 2018 21:03

Tgt Ion: 62 Resp: 463195

Ion Ratio Lower Upper

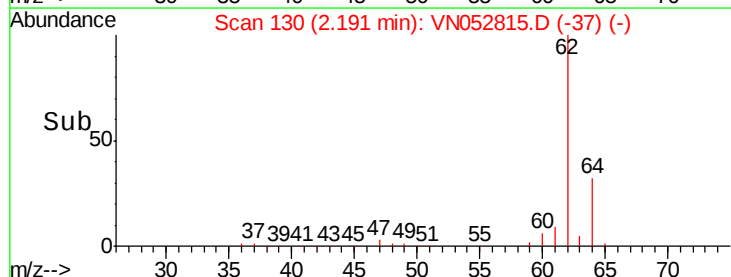
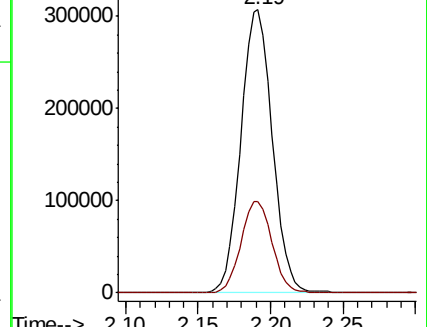
62 100

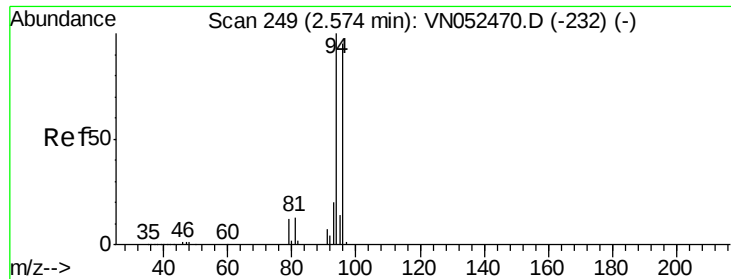
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 36.764 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

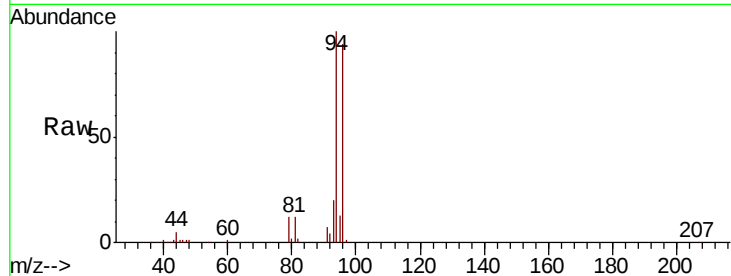
VSTDCCC050EC

Tot Ion: 94 Resp: 259425

Ion Ratio Lower Upper

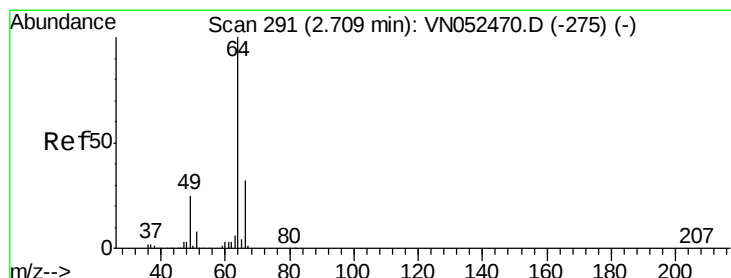
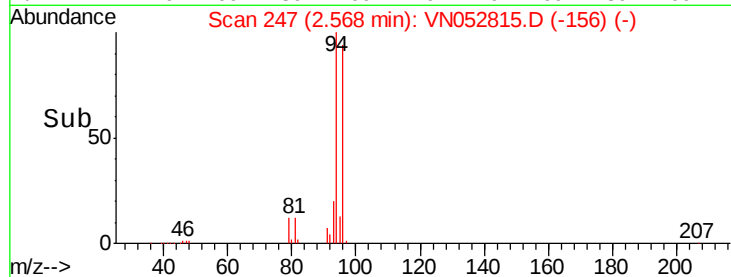
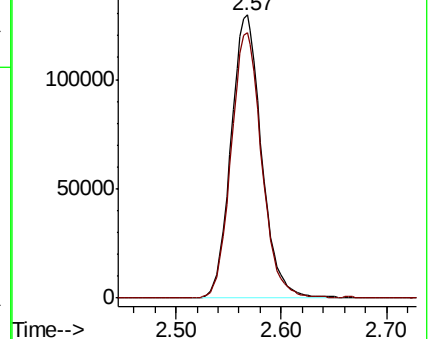
94 100

96 93.9 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052815.D (-156) (-)

Ion 95.90 (95.60 to 96.60): VN052815.D (-156) (-)



#6

Chloroethane

Concen: 42.408 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052815.D

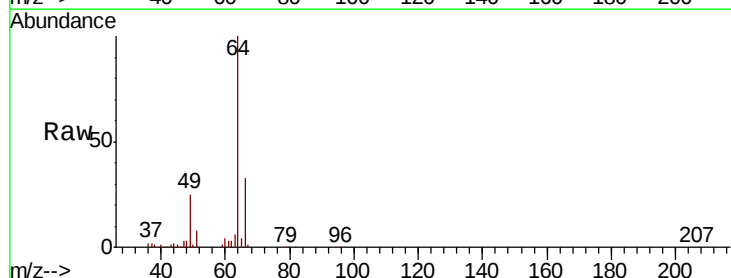
Acq: 11 Dec 2018 21:03

Tgt Ion: 64 Resp: 290513

Ion Ratio Lower Upper

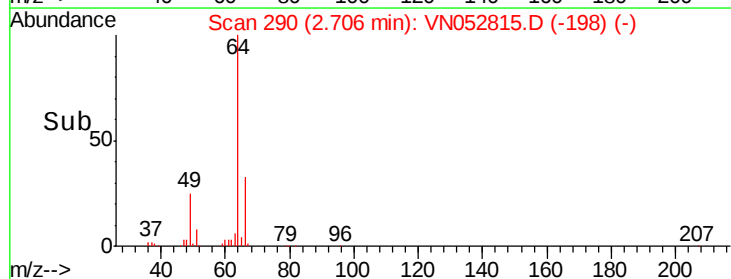
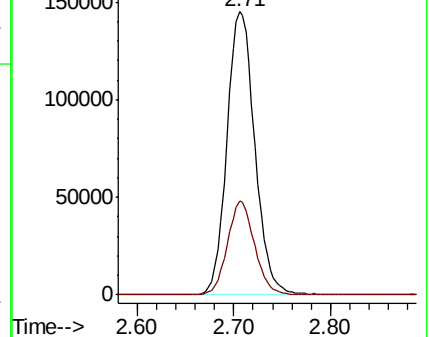
64 100

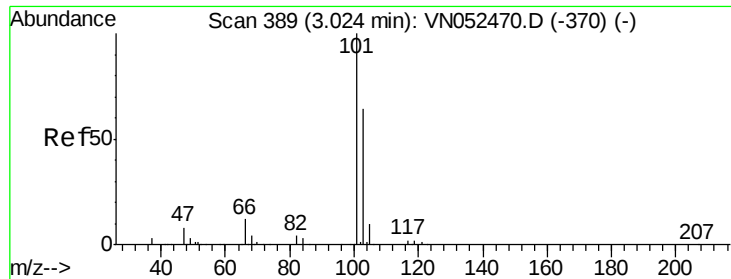
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052815.D (-198) (-)

Ion 65.90 (65.60 to 66.60): VN052815.D (-198) (-)





#7

Trichlorofluoromethane

Concen: 46.011 ug/l

RT: 3.02 min Scan# 389

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

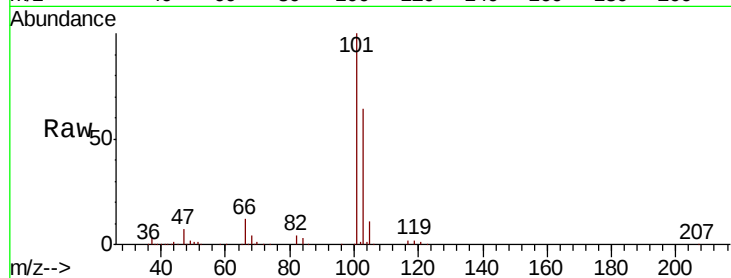
VSTDCCC050EC

Tot Ion:101 Resp: 639174

Ion Ratio Lower Upper

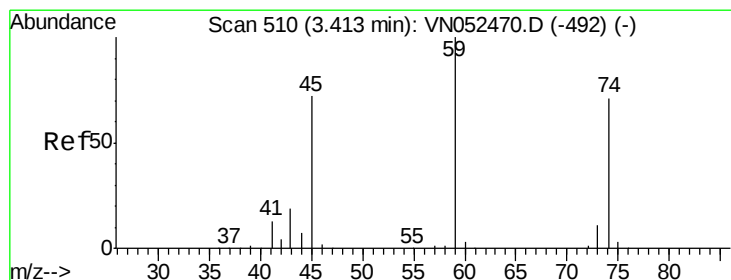
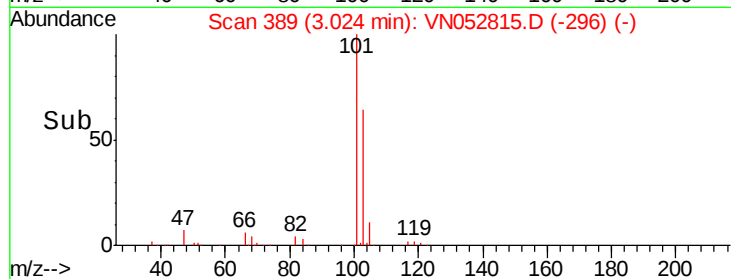
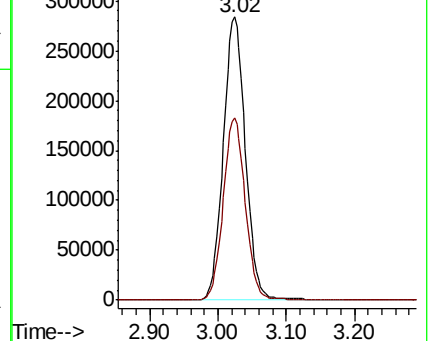
101 100

103 64.4 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 48.972 ug/l

RT: 3.41 min Scan# 510

Delta R.T. -0.00 min

Lab File: VN052815.D

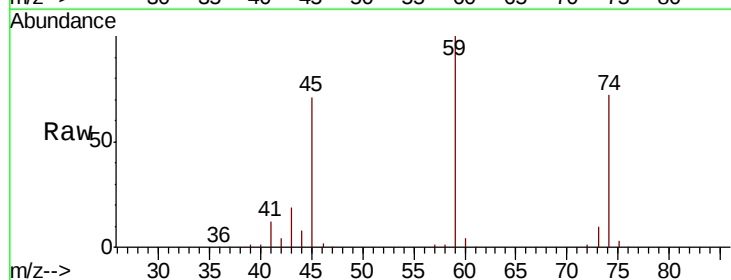
Acq: 11 Dec 2018 21:03

Tgt Ion: 74 Resp: 251230

Ion Ratio Lower Upper

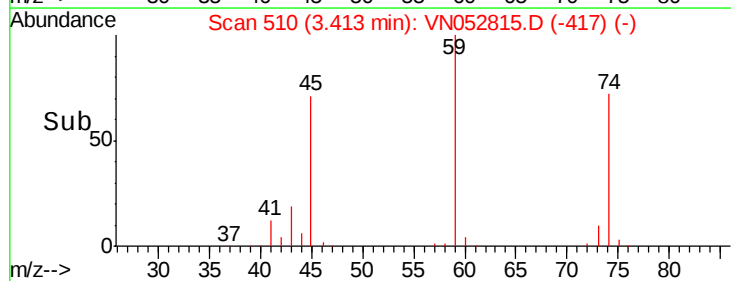
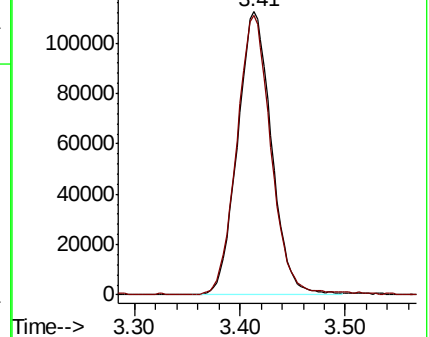
74 100

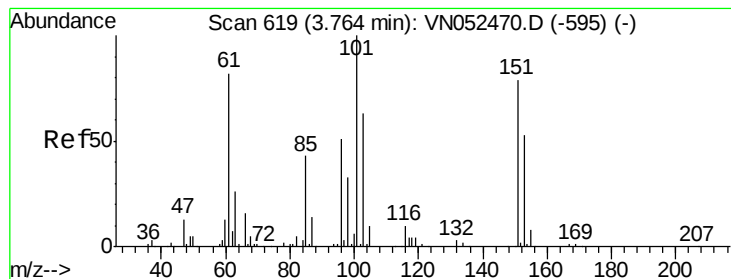
45 99.3 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.696 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

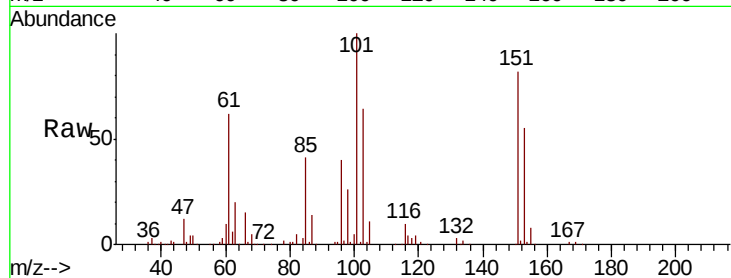
Tot Ion:101 Resp: 404778

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

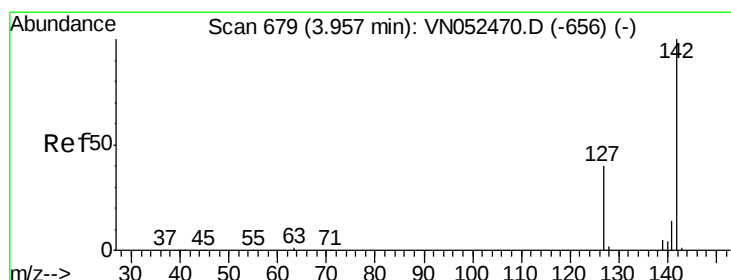
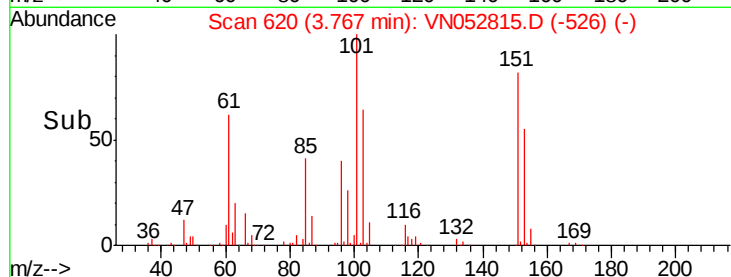
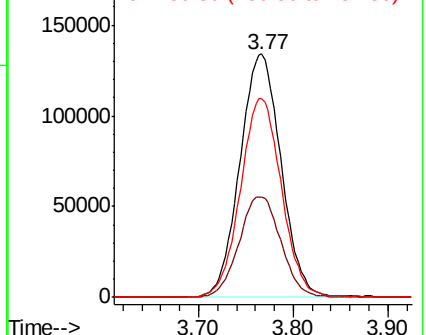
151 81.8 64.6 96.8



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: 45.719 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

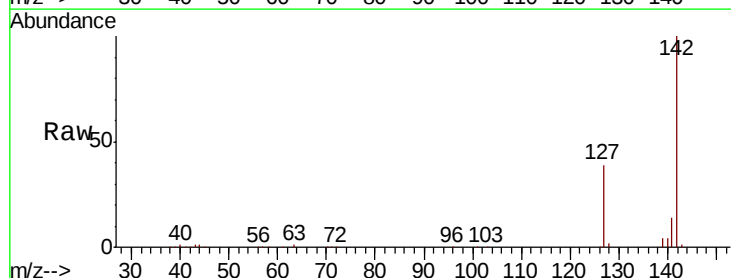
Tgt Ion:142 Resp: 527842

Ion Ratio Lower Upper

142 100

127 38.7 31.8 47.6

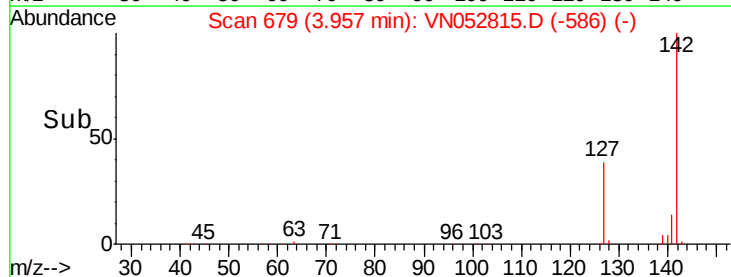
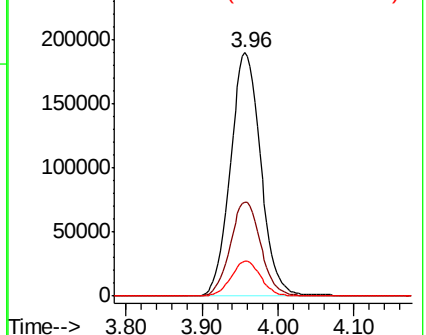
141 14.1 11.4 17.0

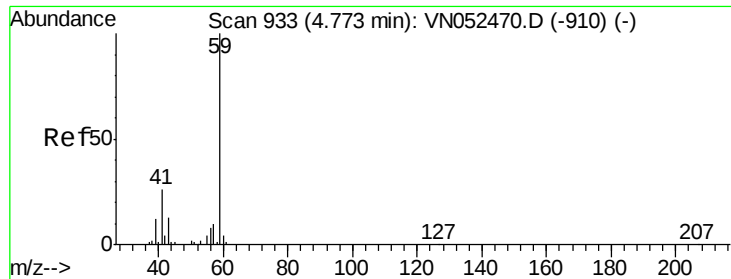


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



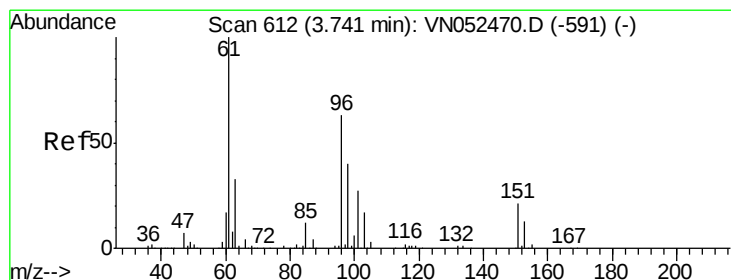
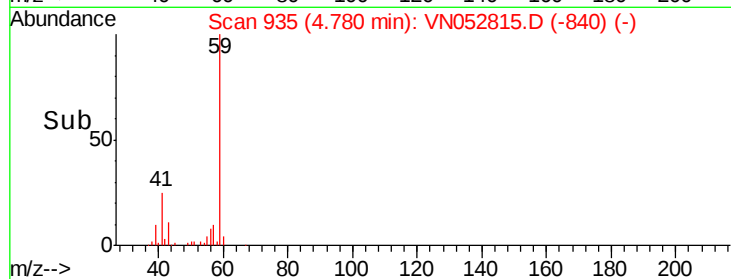
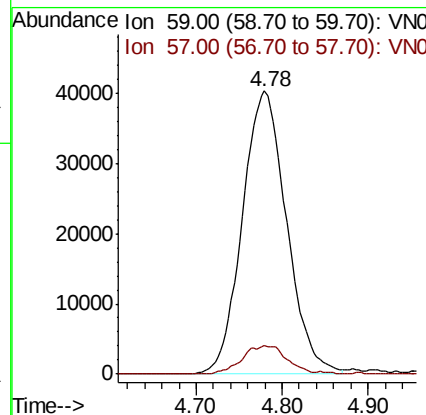
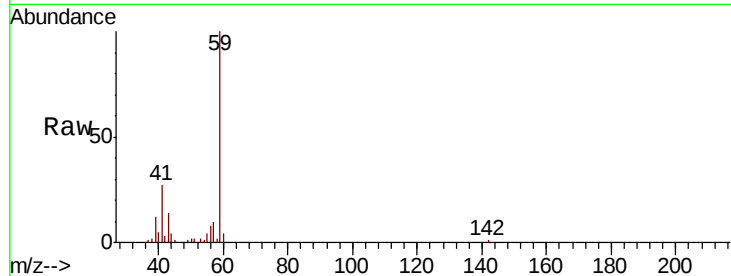


#11

Tert butyl alcohol
 Concen: 297.001 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

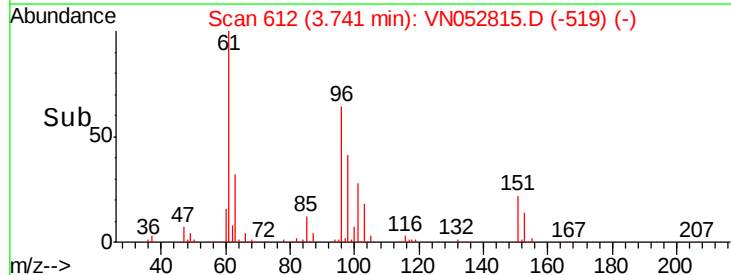
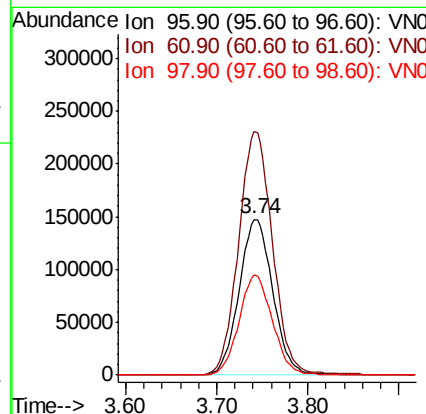
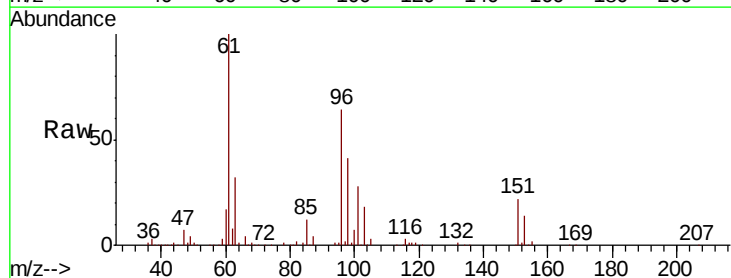
Tot Ion: 59 Resp: 144206
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

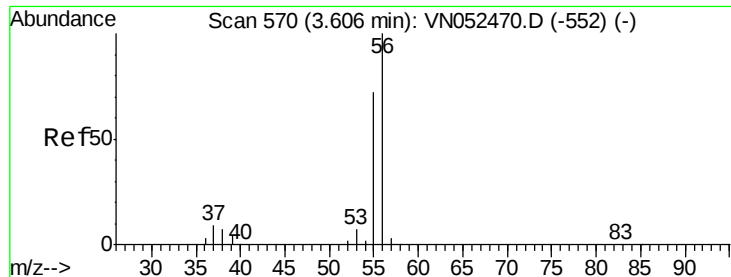


#12

1,1-Dichloroethene
 Concen: 45.597 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 96 Resp: 380457
 Ion Ratio Lower Upper
 96 100
 61 156.6 127.0 190.6
 98 64.3 50.3 75.5





#13

Acrolein

Concen: 279.212 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

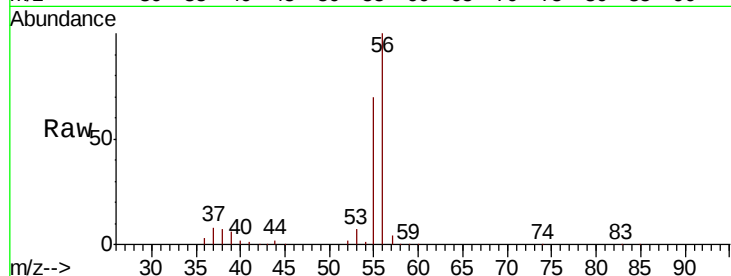
VSTDCCC050EC

Tot Ion: 56 Resp: 235619

Ion Ratio Lower Upper

56 100

55 70.3 56.8 85.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

100000

80000

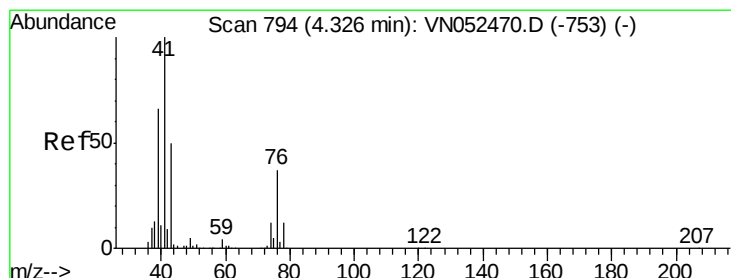
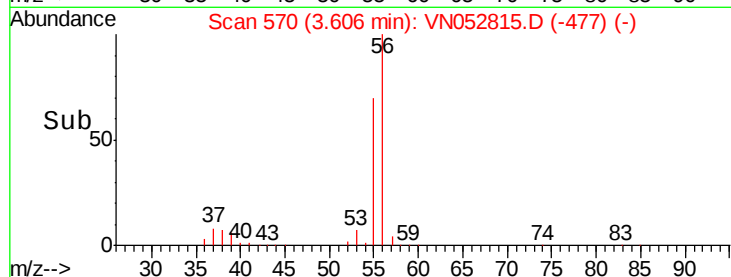
60000

40000

20000

0

Time-->



#14

Allyl chloride

Concen: 46.014 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

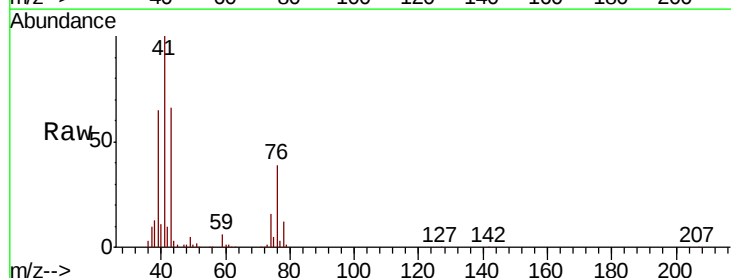
Tgt Ion: 41 Resp: 661720

Ion Ratio Lower Upper

41 100

39 63.3 50.6 76.0

76 35.4 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

300000

250000

200000

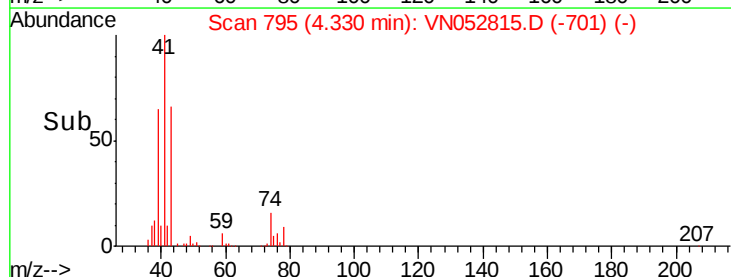
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 262.102 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

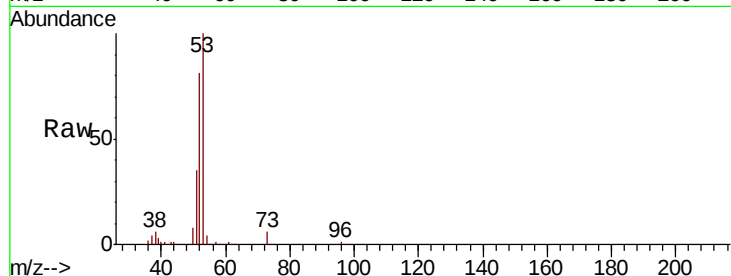
Tot Ion: 53 Resp: 805579

Ion Ratio Lower Upper

53 100

52 81.9 66.2 99.2

51 35.4 28.1 42.1

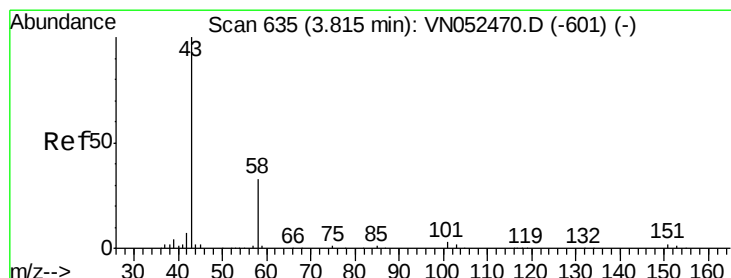
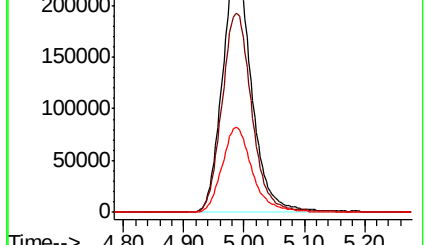
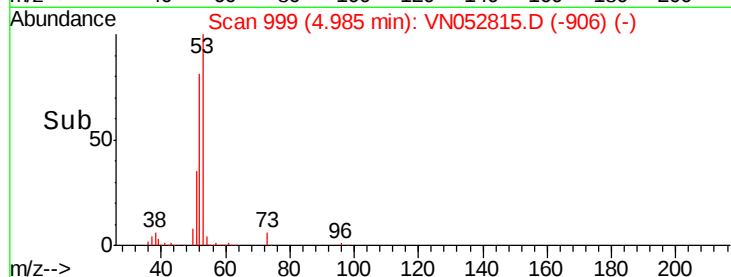


Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

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

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

Time-->



#16

Acetone

Concen: 212.292 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052815.D

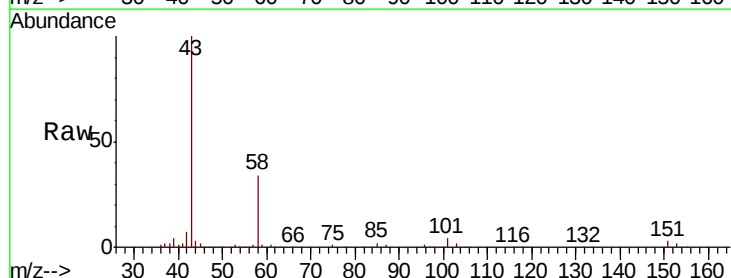
Acq: 11 Dec 2018 21:03

Tgt Ion: 43 Resp: 543067

Ion Ratio Lower Upper

43 100

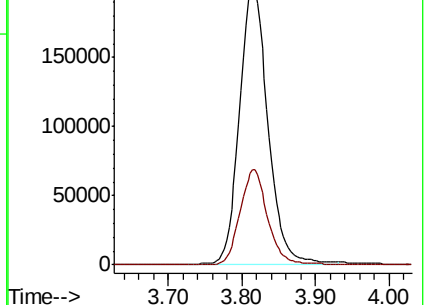
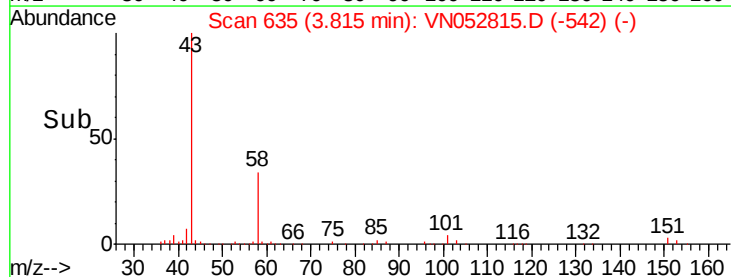
58 33.7 26.0 39.0

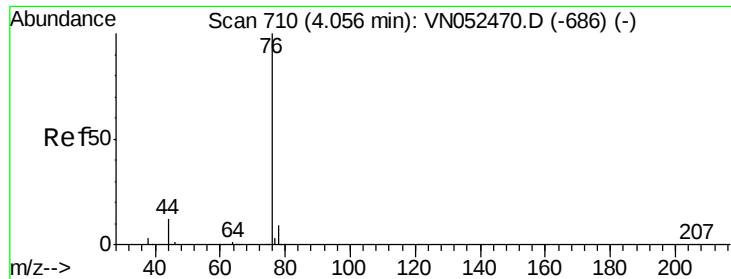


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

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

Time-->

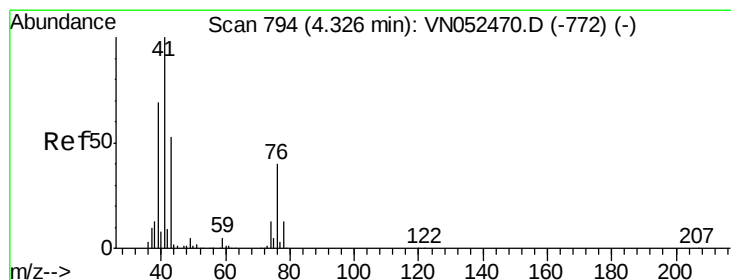
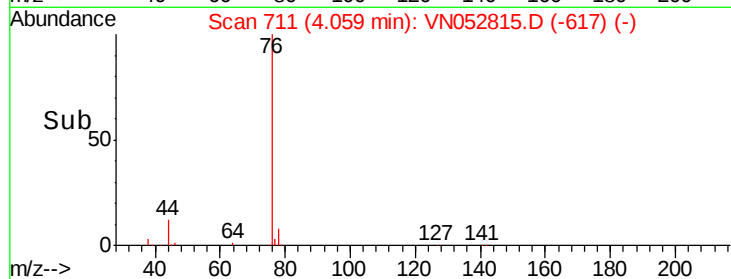
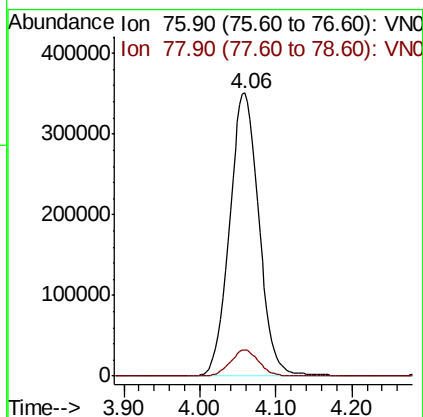
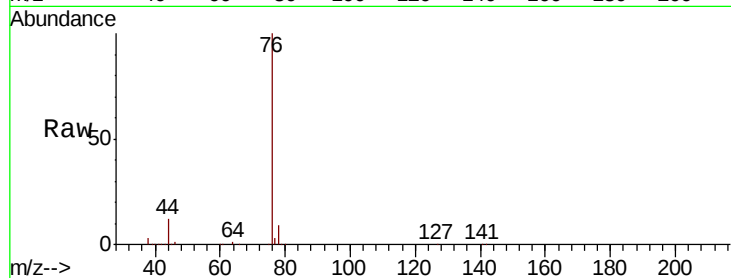




#17
Carbon Disulfide
Concen: 35.894 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

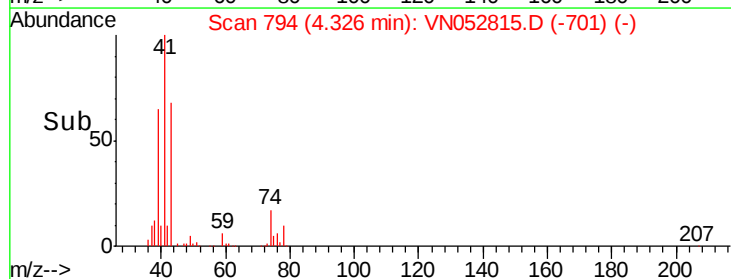
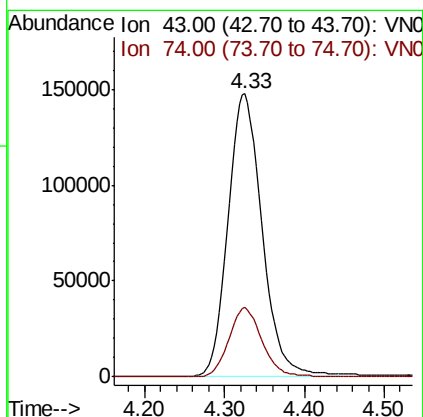
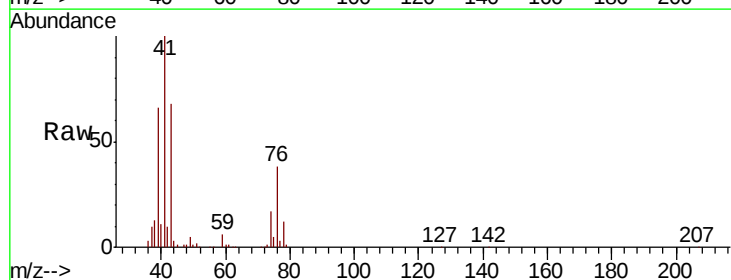
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

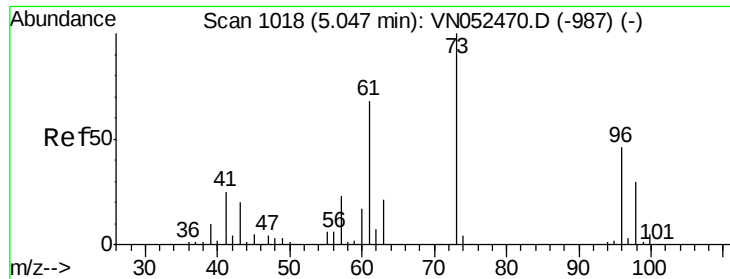
Tot Ion: 76 Resp: 942504
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.0



#18
Methyl Acetate
Concen: 58.057 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 43 Resp: 426009
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8

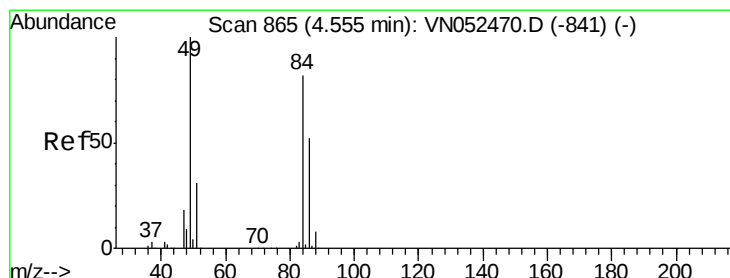
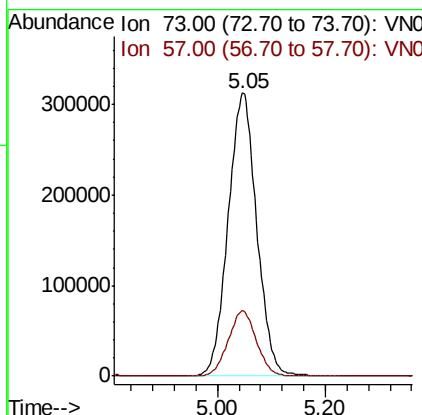
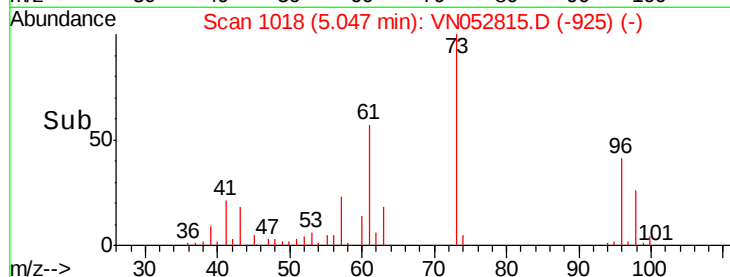
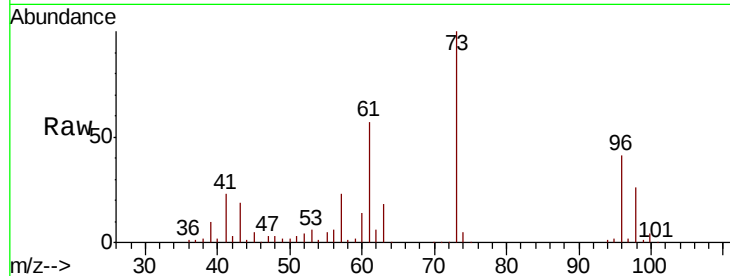




#19
Methyl tert-butyl Ether
Concen: 52.078 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

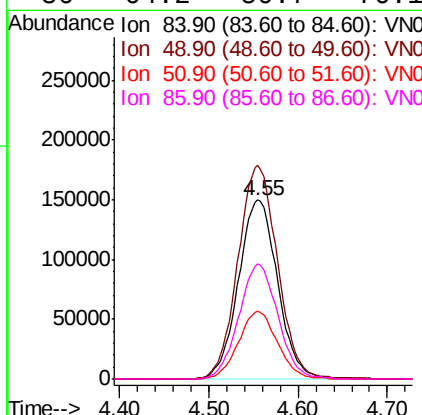
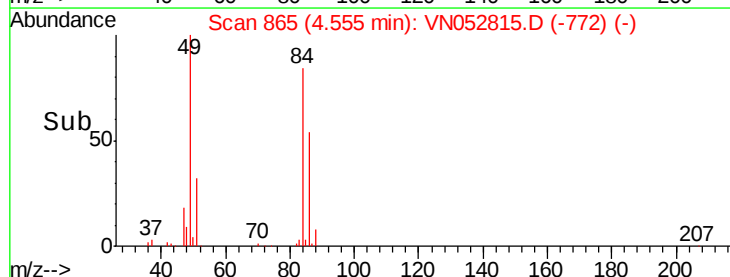
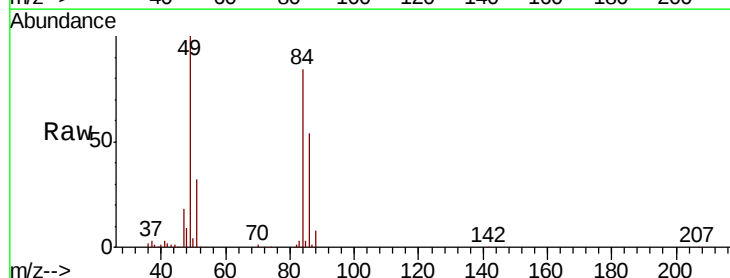
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

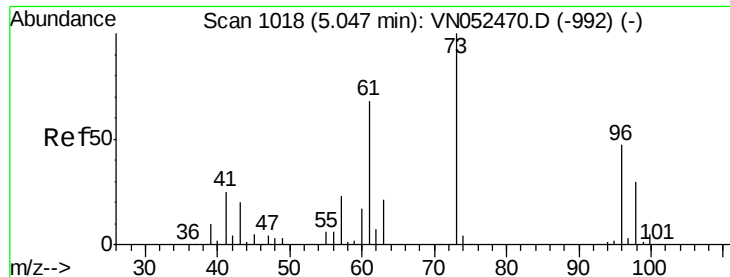
Tot Ion: 73 Resp: 1156137
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.2



#20
Methylene Chloride
Concen: 45.553 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 84 Resp: 456015
Ion Ratio Lower Upper
84 100
49 119.6 98.0 147.0
51 38.0 30.1 45.1
86 64.2 50.7 76.1

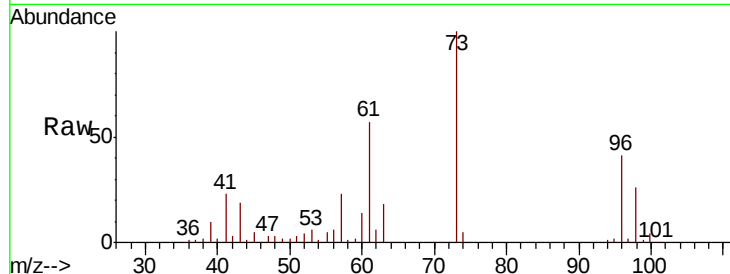




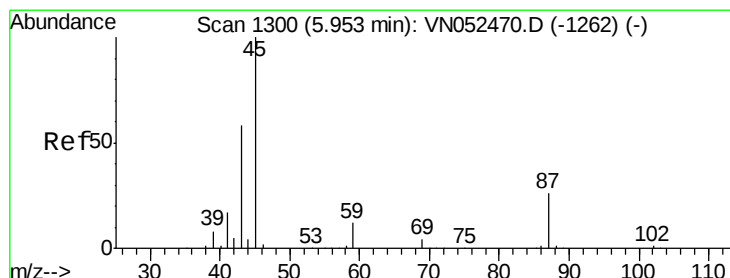
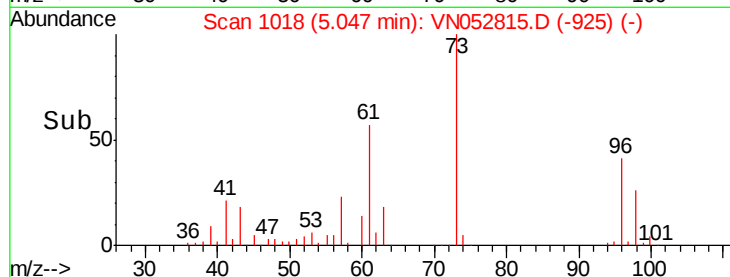
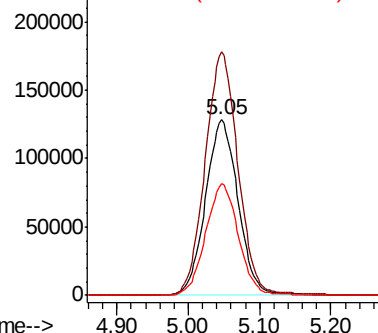
#21
trans-1,2-Dichloroethene
Concen: 45.834 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 408452
Ion Ratio Lower Upper
96 100
61 138.9 117.0 175.4
98 63.8 51.8 77.6

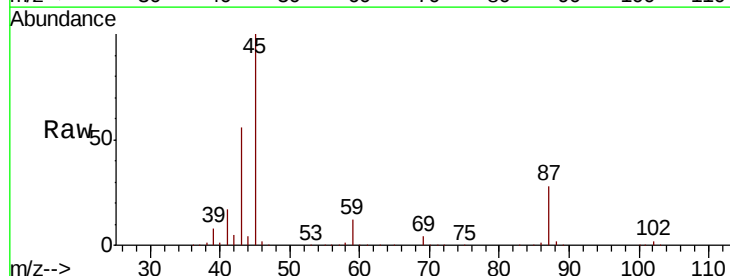


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

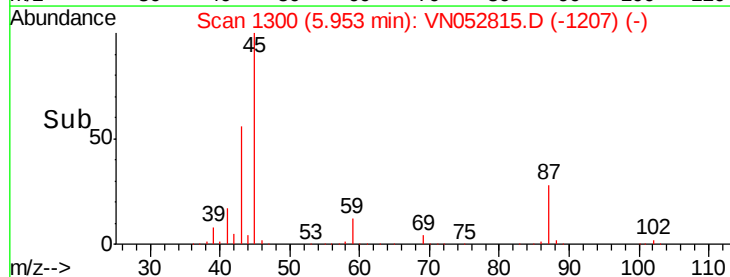
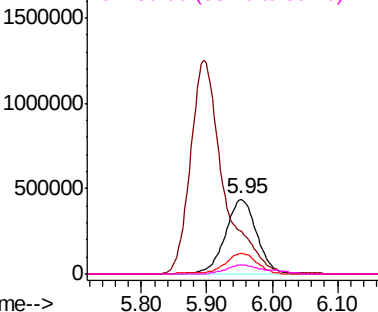


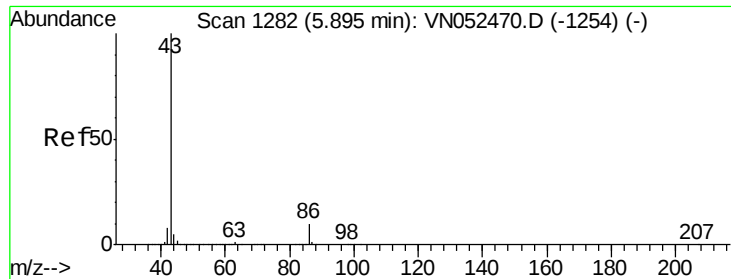
#22
Diisopropyl ether
Concen: 48.504 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 45 Resp: 1465180
Ion Ratio Lower Upper
45 100
43 55.9 46.1 69.1
87 27.8 21.3 31.9
59 12.1 9.5 14.3



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





#23

Vinyl Acetate

Concen: 233.264 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

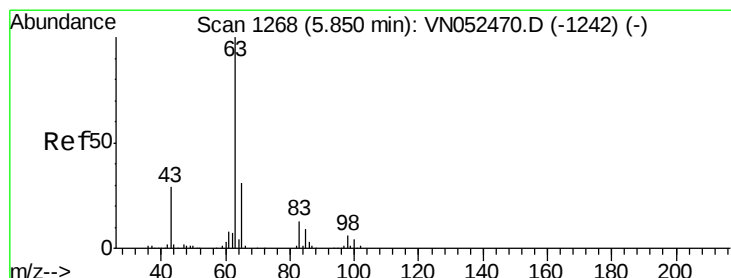
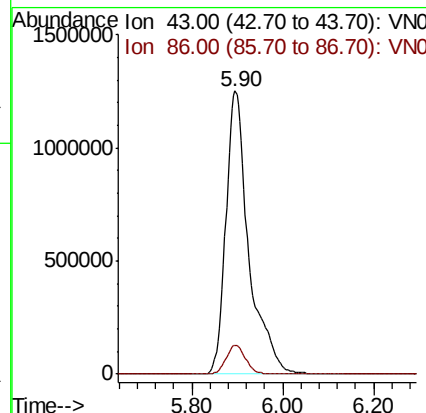
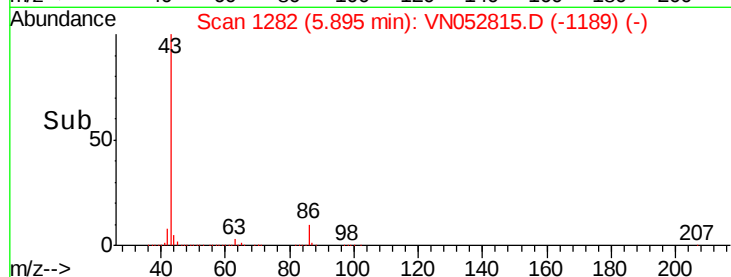
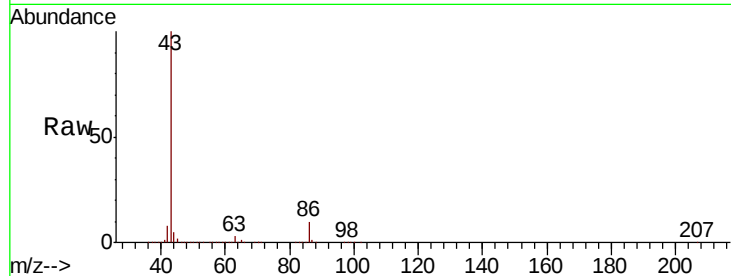
VSTDCCC050EC

Tot Ion: 43 Resp: 4388823

Ion Ratio Lower Upper

43 100

86 10.4 7.8 11.8



#24

1,1-Dichloroethane

Concen: 48.274 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

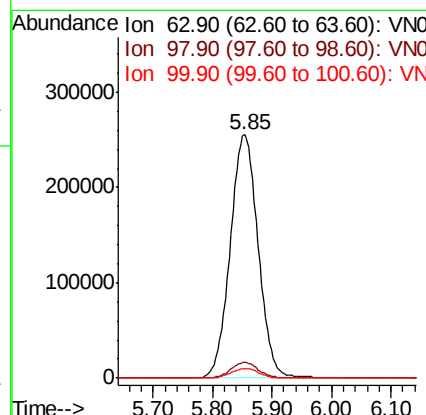
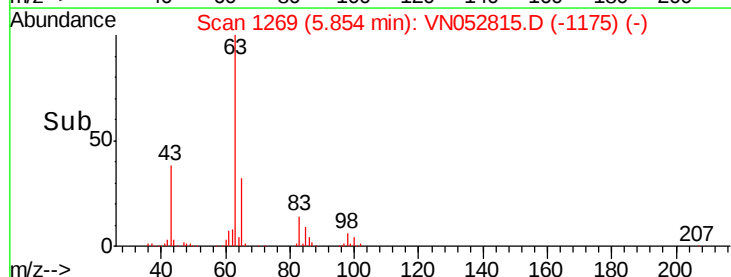
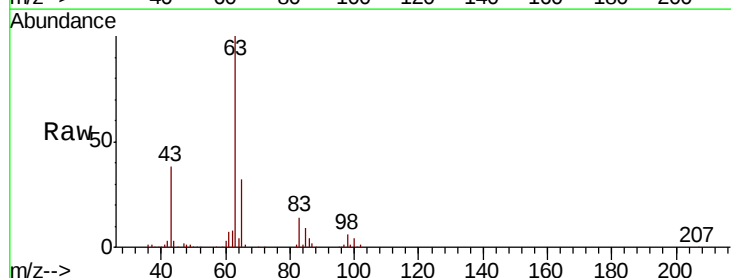
Tgt Ion: 63 Resp: 832610

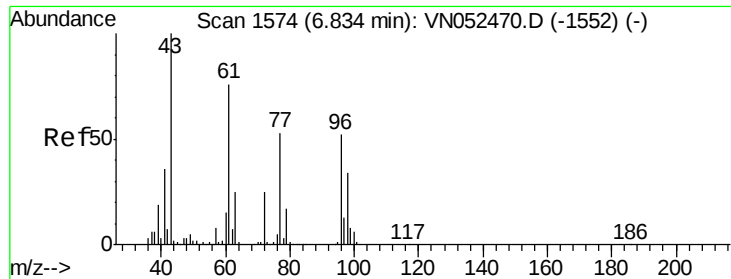
Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.2

100 4.0 2.0 5.8

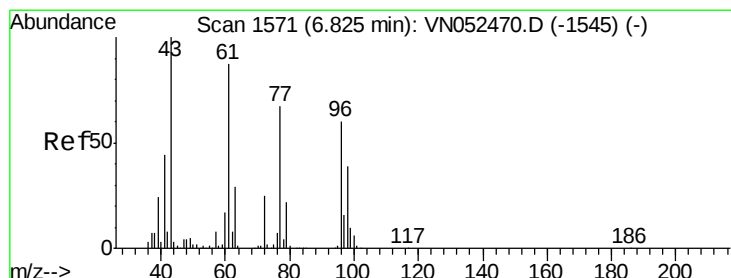
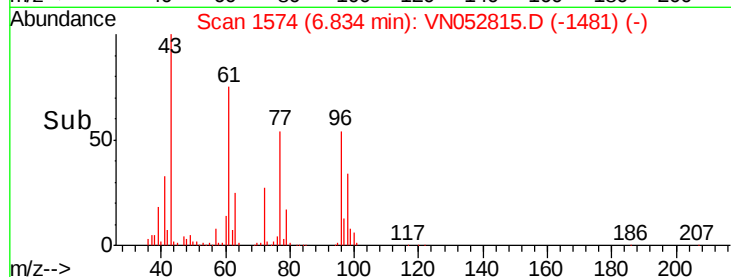
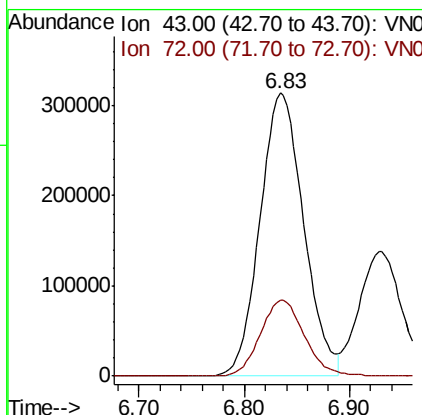
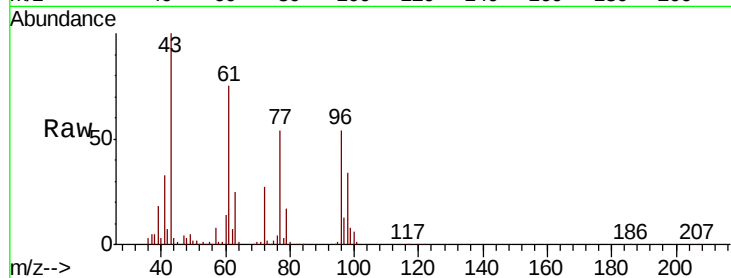




#25
2-Butanone
Concen: 248.358 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

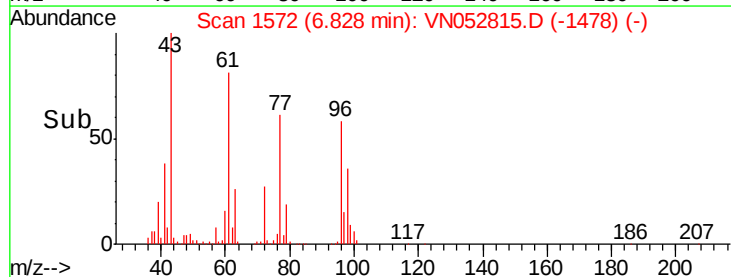
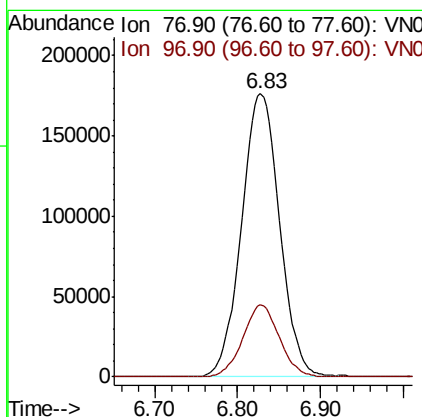
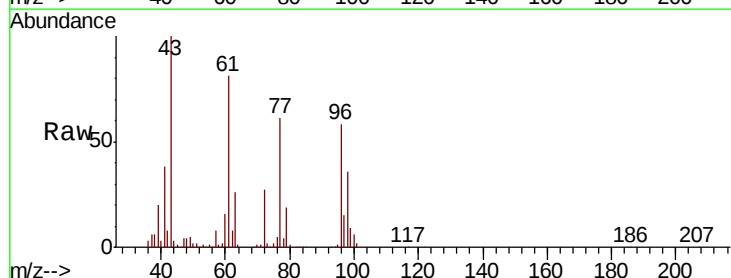
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

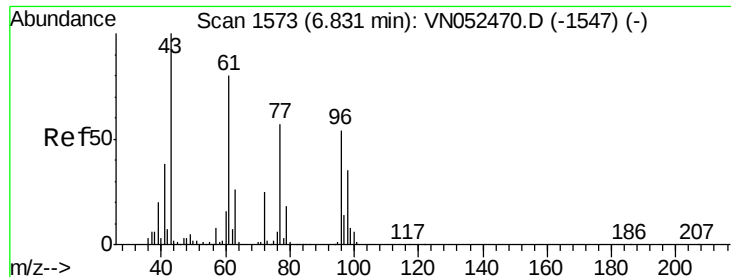
Tot Ion: 43 Resp: 900509
Ion Ratio Lower Upper
43 100
72 27.0 20.1 30.1



#26
2,2-Dichloropropane
Concen: 47.094 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 77 Resp: 562212
Ion Ratio Lower Upper
77 100
97 24.5 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 48.530 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

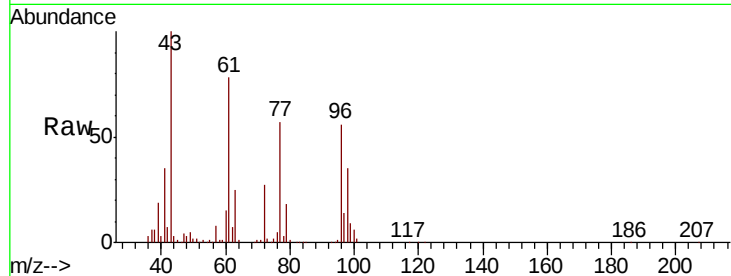
Tot Ion: 96 Resp: 503777

Ion Ratio Lower Upper

96 100

61 140.3 0.0 291.0

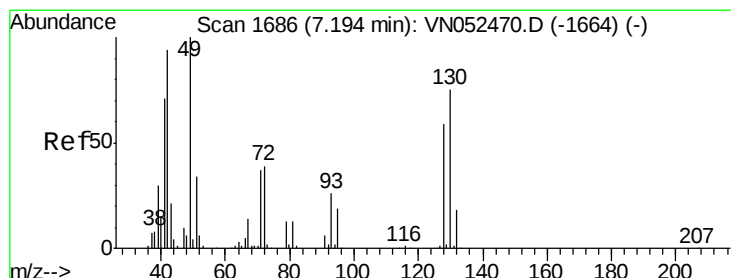
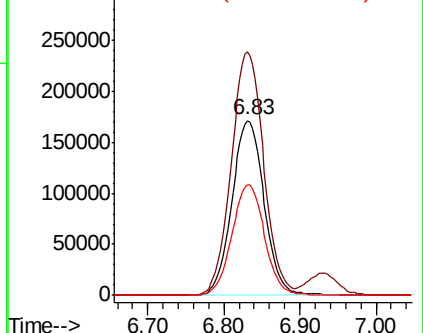
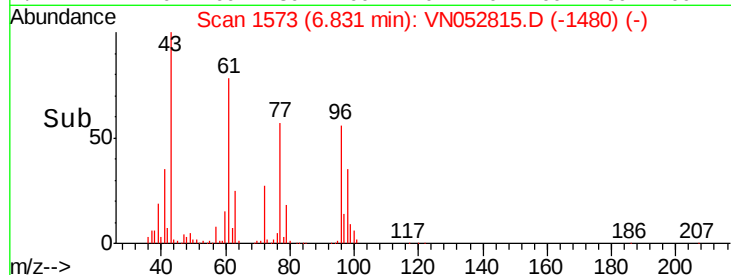
98 64.2 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 48.826 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

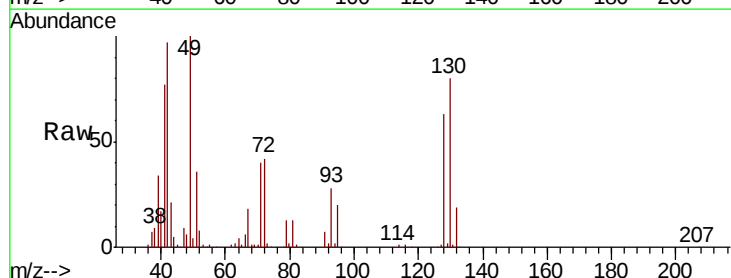
Tgt Ion: 49 Resp: 384638

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.8

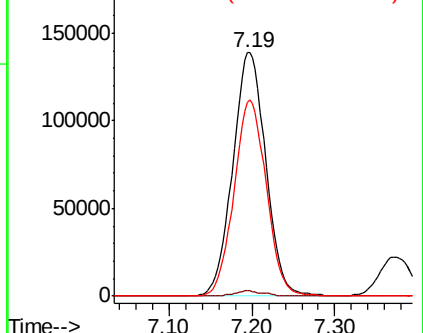
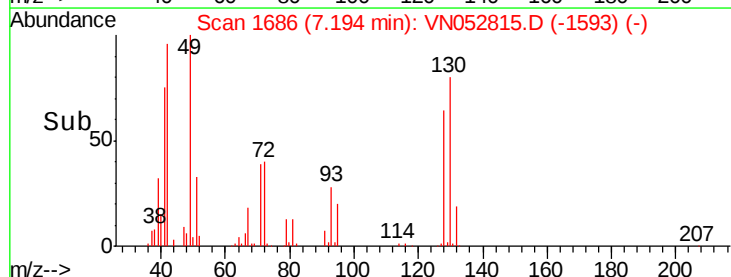
130 78.9 60.2 90.2



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

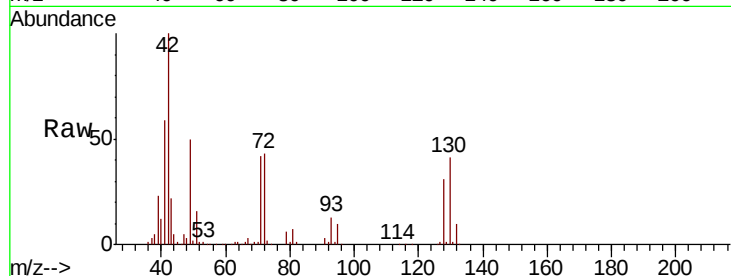




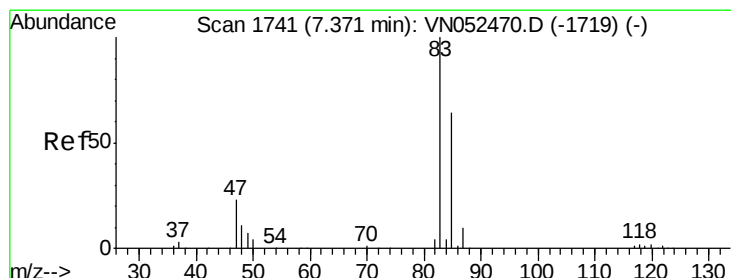
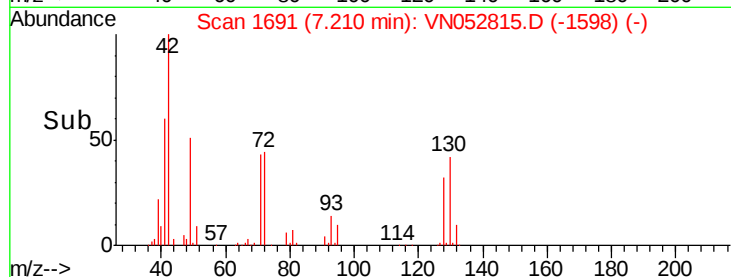
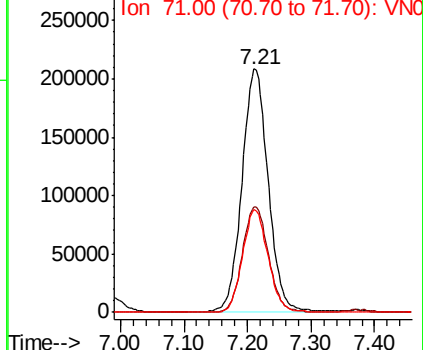
#29
Tetrahydrofuran
Concen: 255.184 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 596788
Ion Ratio Lower Upper
42 100
72 43.3 33.3 49.9
71 41.2 32.0 48.0

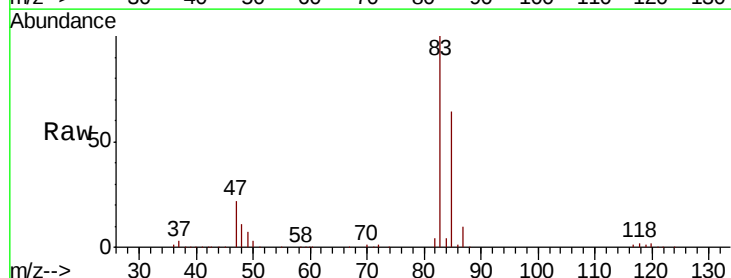


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

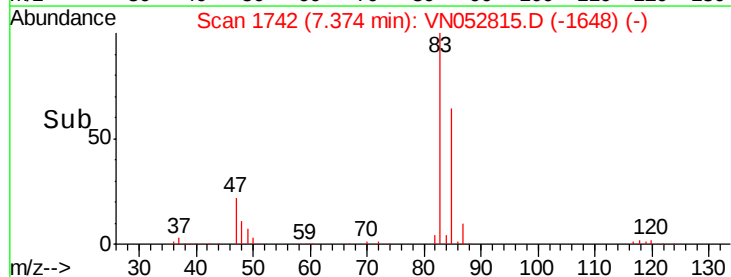
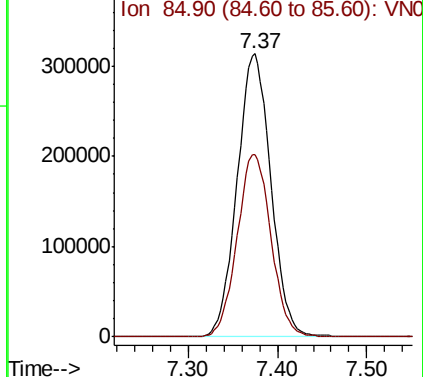


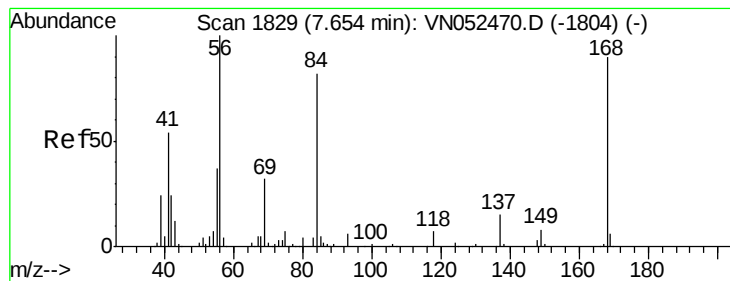
#30
Chloroform
Concen: 48.015 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 83 Resp: 826224
Ion Ratio Lower Upper
83 100
85 64.3 51.0 76.4



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





#31

Cyclohexane

Concen: 41.925 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

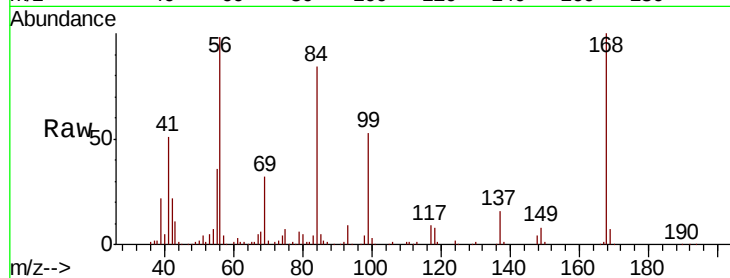
Tot Ion: 56 Resp: 700866

Ion Ratio Lower Upper

56 100

69 33.1 25.8 38.6

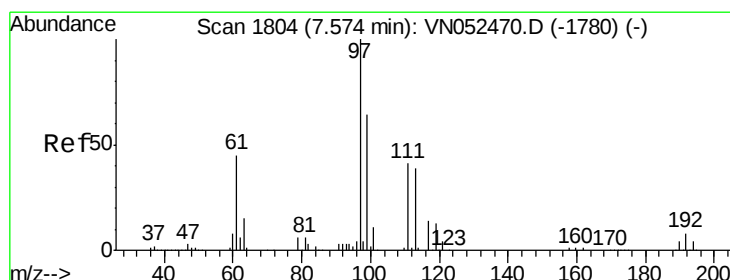
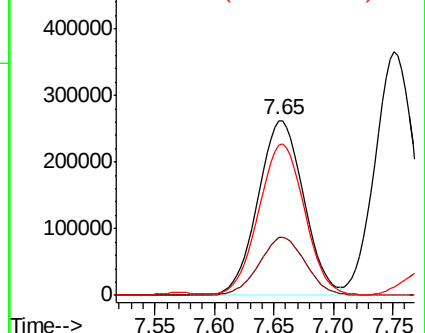
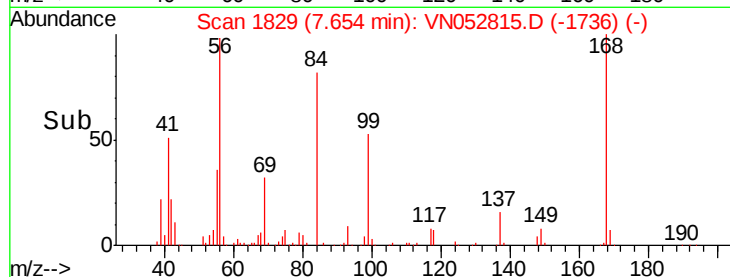
84 85.0 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052815.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052815.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052815.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 49.542 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

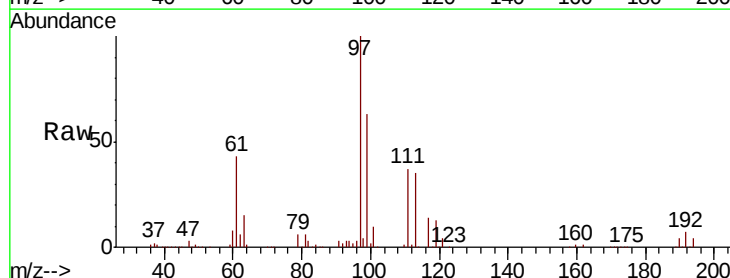
Tgt Ion: 97 Resp: 675440

Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

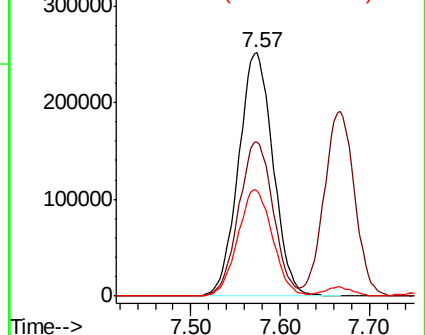
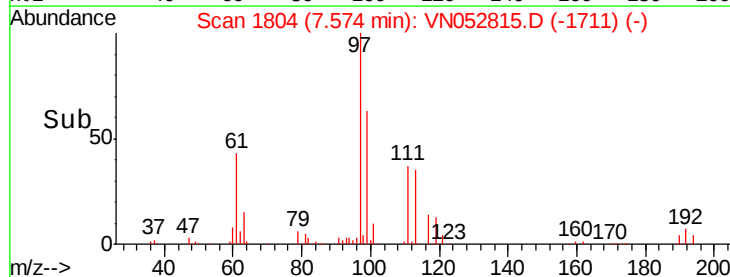
61 44.0 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VN052815.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052815.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052815.D (-1711) (-)

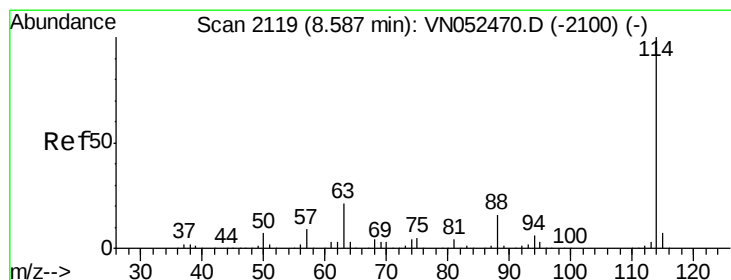
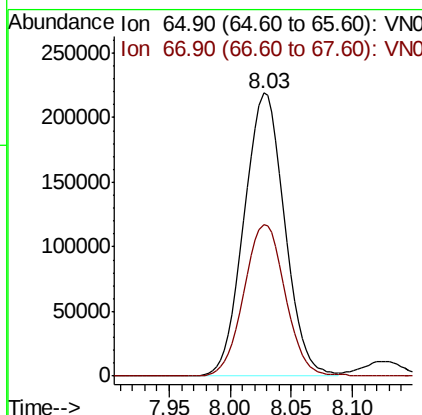
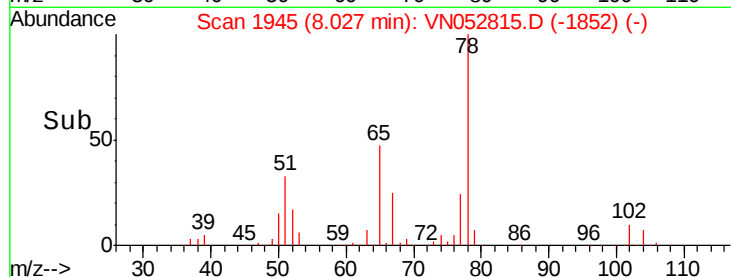
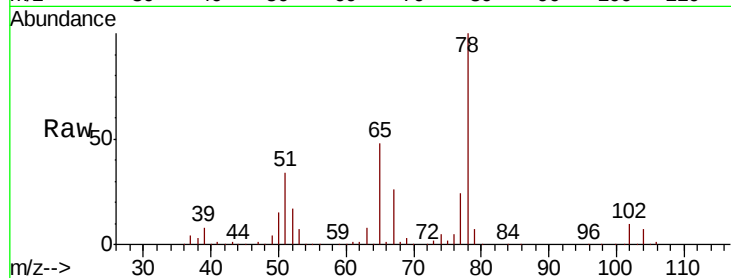




#33
 1,2-Dichloroethane-d4
 Concen: 49.542 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

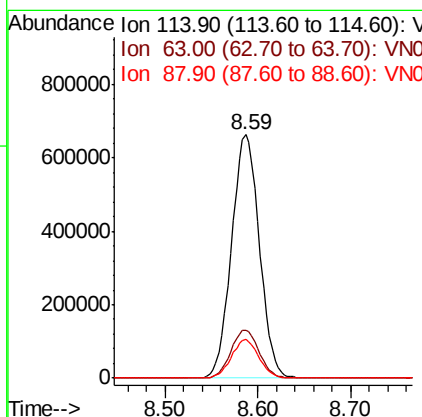
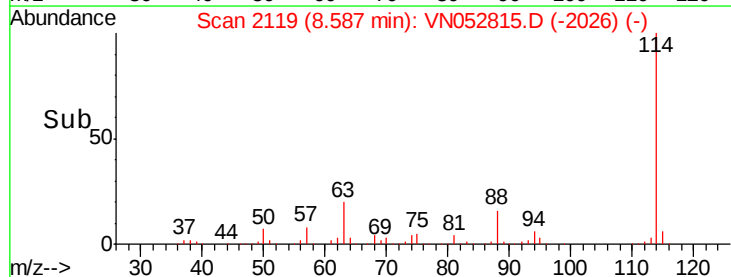
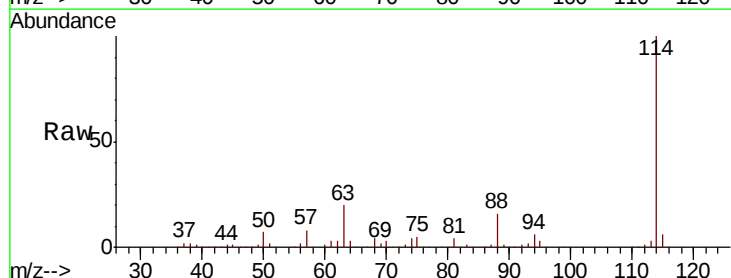
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

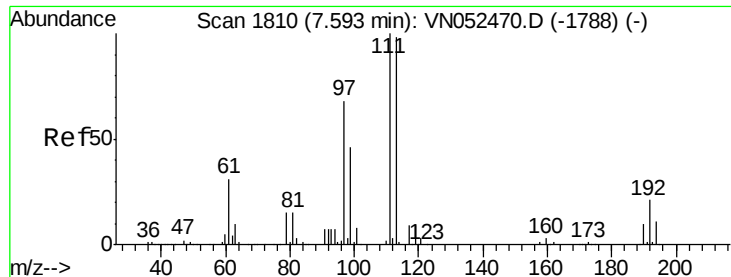
Tot Ion: 65 Resp: 504964
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 114 Resp: 1377502
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 41.8
 88 15.8 0.0 31.6

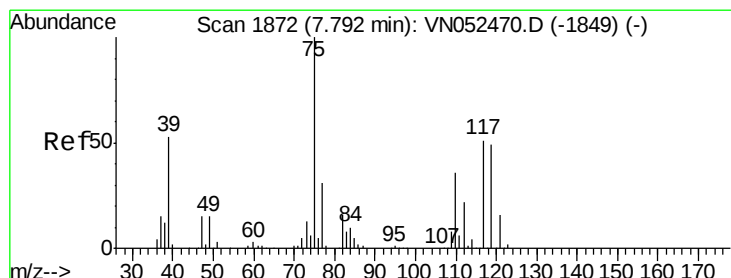
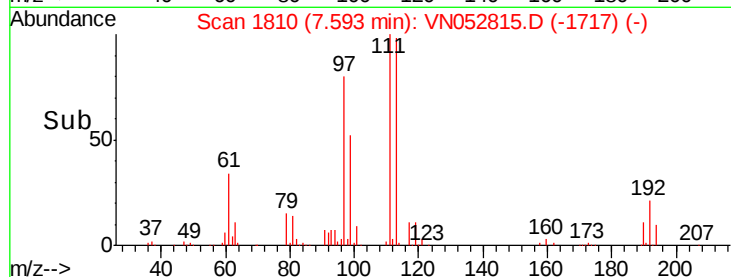
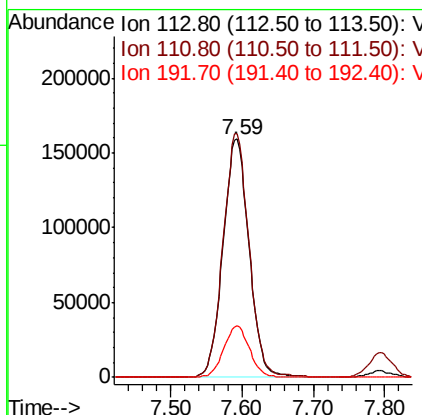
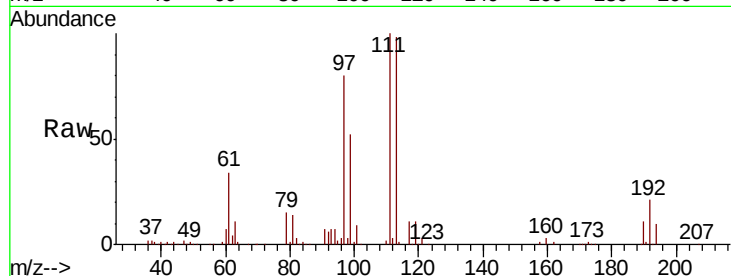




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

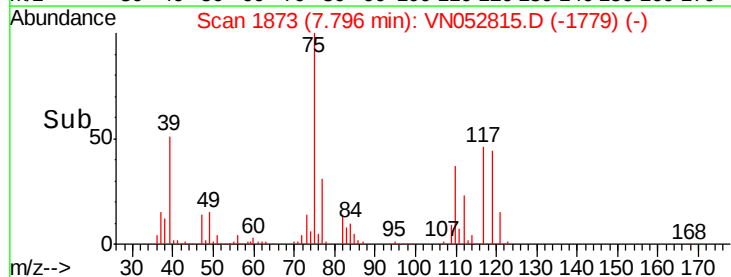
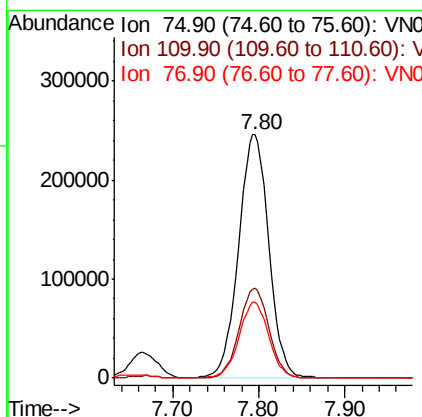
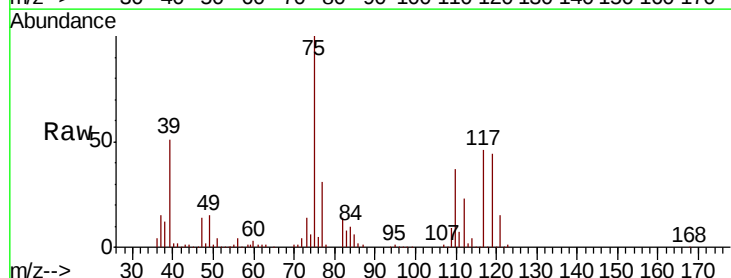
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

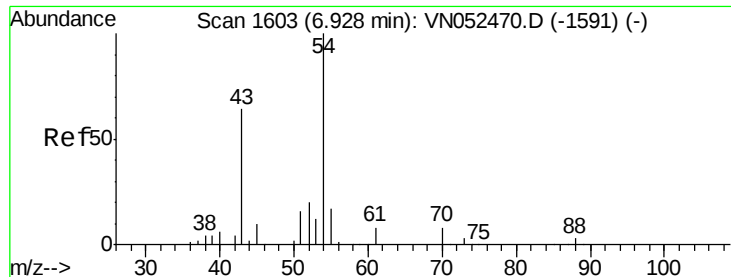
Tot Ion:113 Resp: 404507
Ion Ratio Lower Upper
113 100
111 101.7 82.0 123.0
192 21.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 45.899 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 75 Resp: 597064
Ion Ratio Lower Upper
75 100
110 36.4 17.5 52.6
77 31.1 24.5 36.7

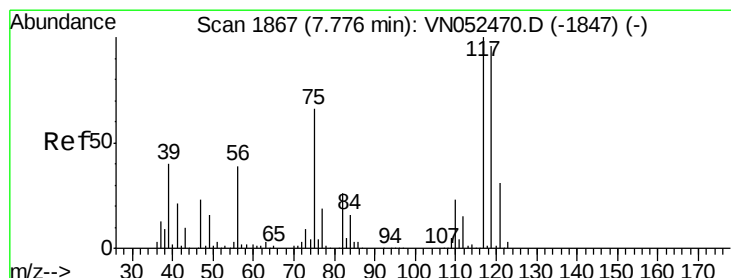
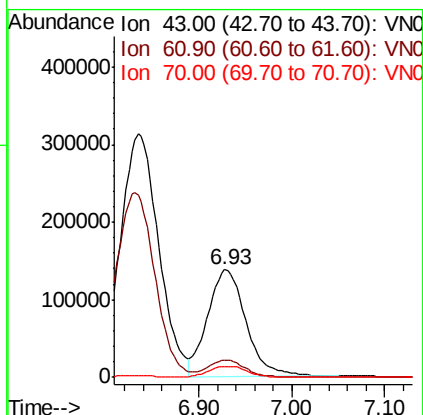
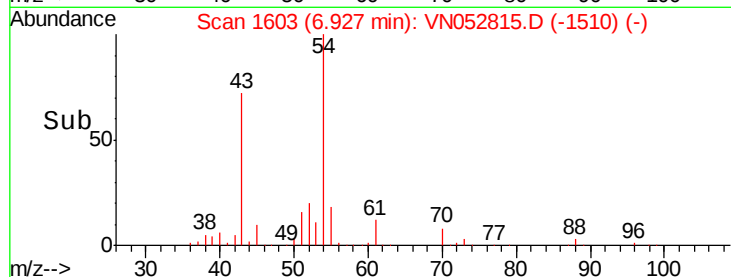
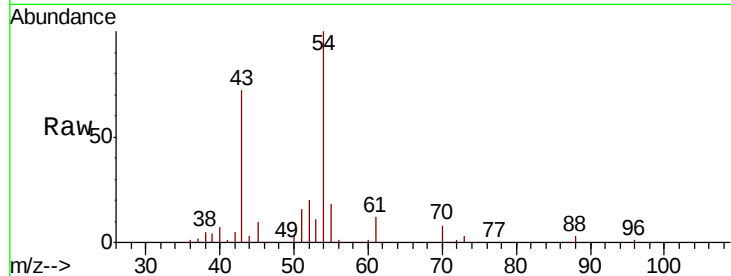




#37
Ethyl Acetate
Concen: 49.916 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

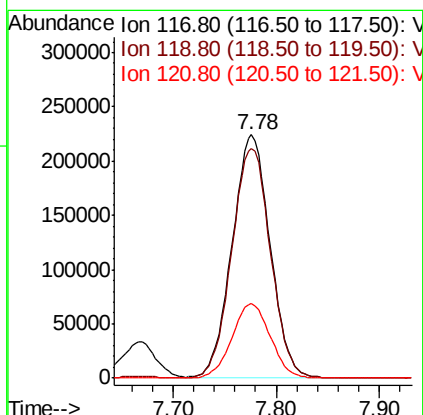
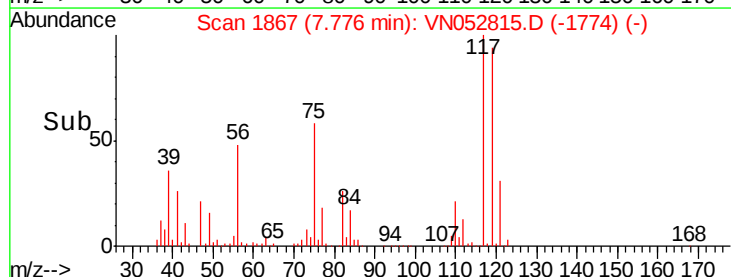
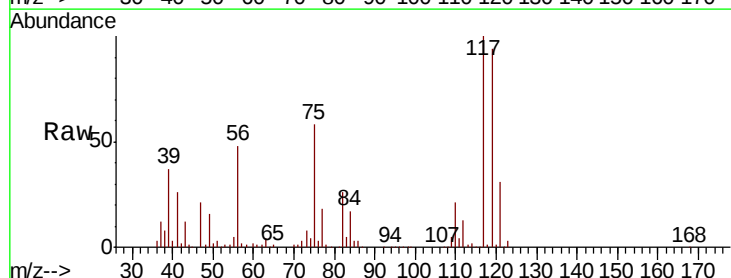
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

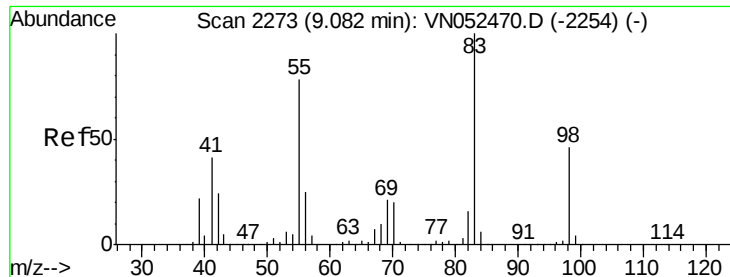
Tot Ion: 43 Resp: 396269
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.8
70 10.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 48.564 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 117 Resp: 571884
Ion Ratio Lower Upper
117 100
119 94.4 76.8 115.2
121 30.7 24.9 37.3

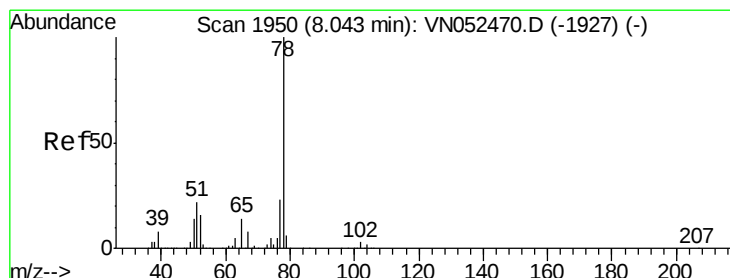
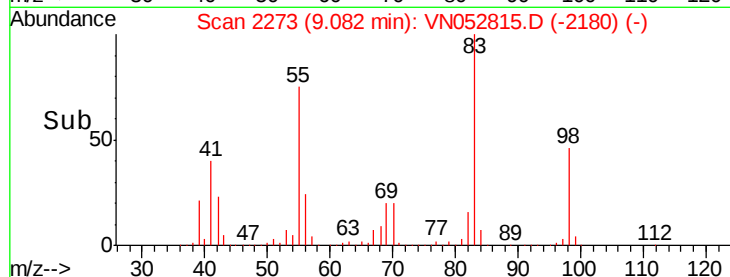
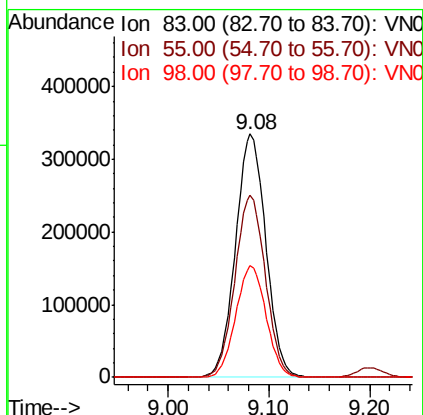
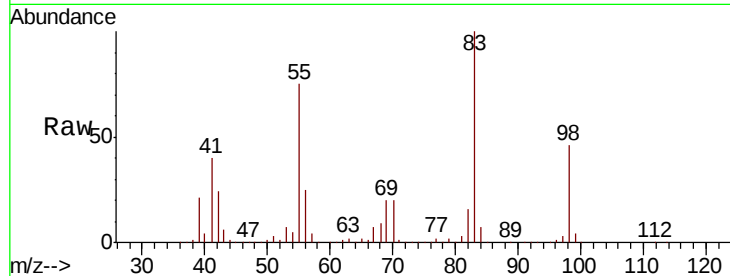




#39
Methvlcvclohexane
Concen: 44.148 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

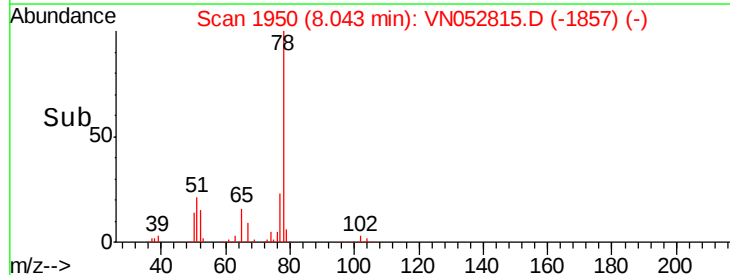
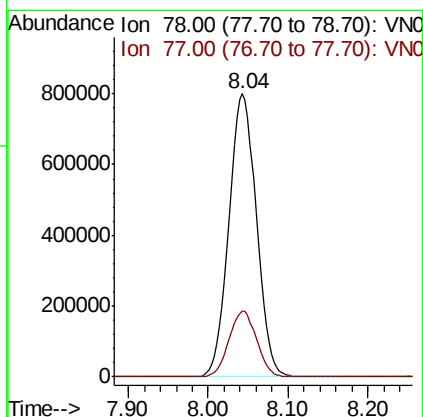
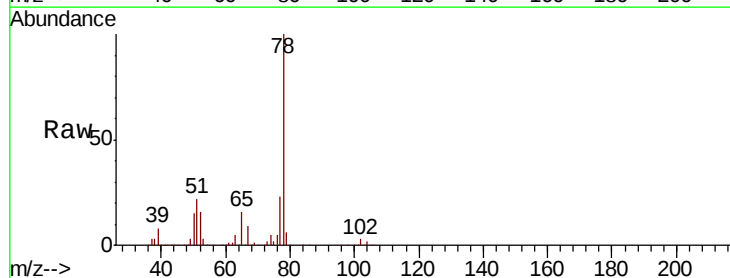
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

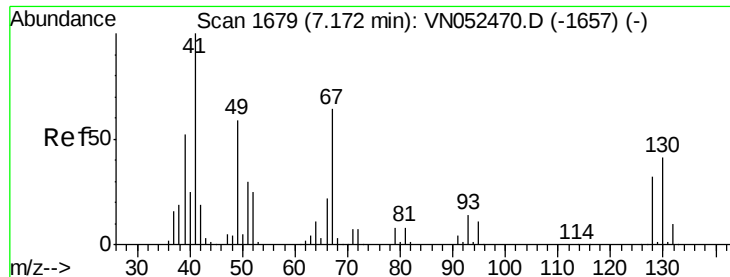
Tot Ion	83.00	Resp	698015
Ion	Ratio	Lower	Upper
83	100		
55	74.8	62.2	93.2
98	45.7	36.4	54.6



#40
Benzene
Concen: 48.155 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion	78	Resp	1866796
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2

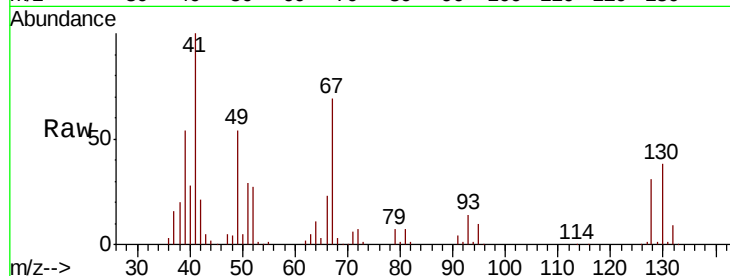




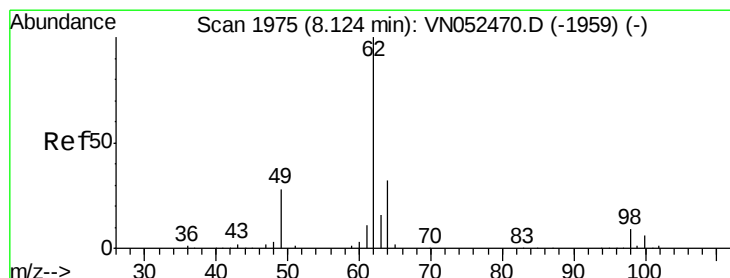
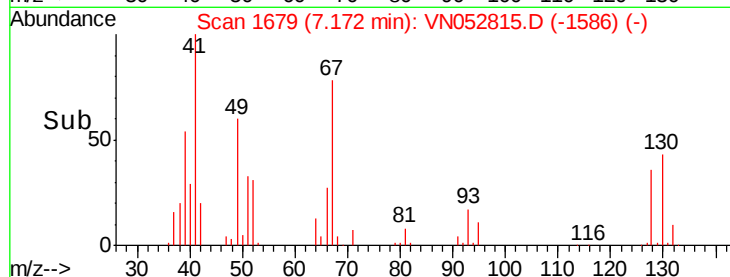
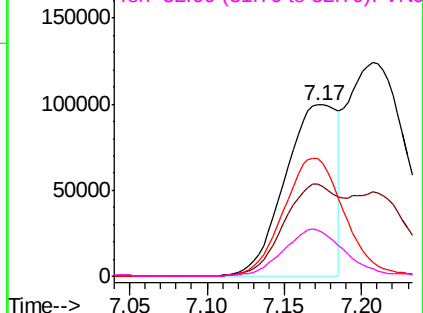
#41
Methacrylonitrile
Concen: 53.751 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	233290
Ion	Ratio	Lower	Upper
41	100		
39	56.3	50.9	76.3
67	81.1	63.6	95.4
52	32.1	24.4	36.6

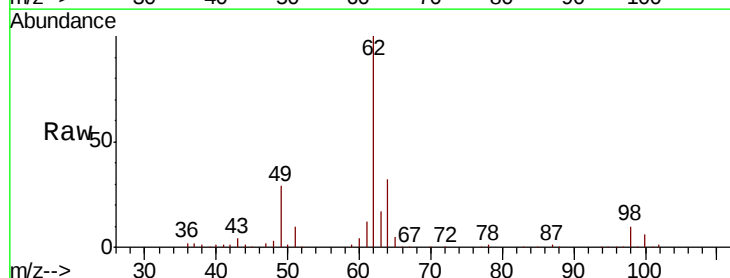


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

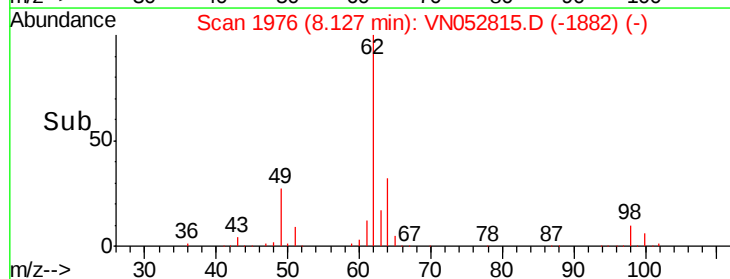
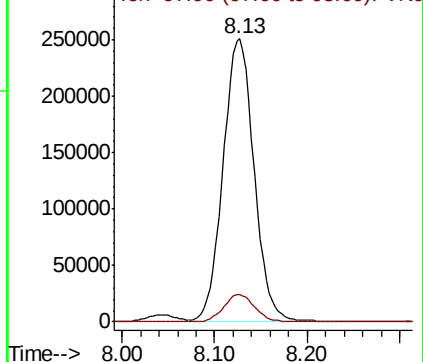


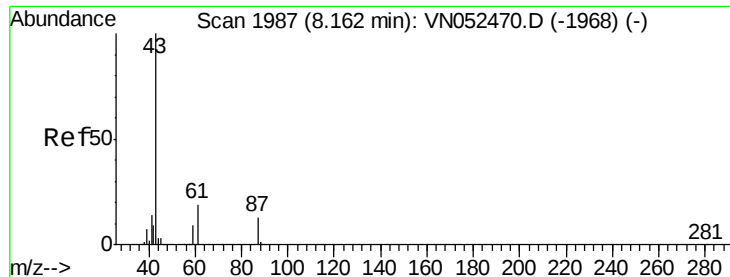
#42
1,2-Dichloroethane
Concen: 49.508 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:	62	Resp:	581125
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 57.053 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

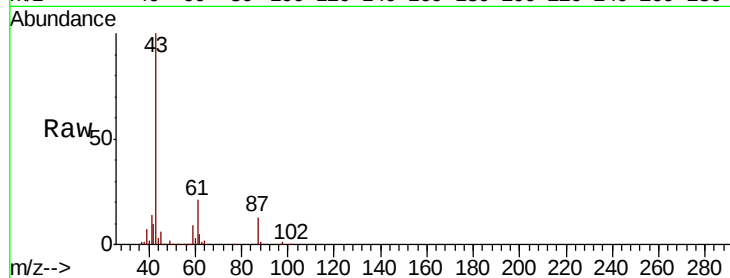
Tot Ion: 43 Resp: 766495

Ion Ratio Lower Upper

43 100

61 27.9 24.1 36.1

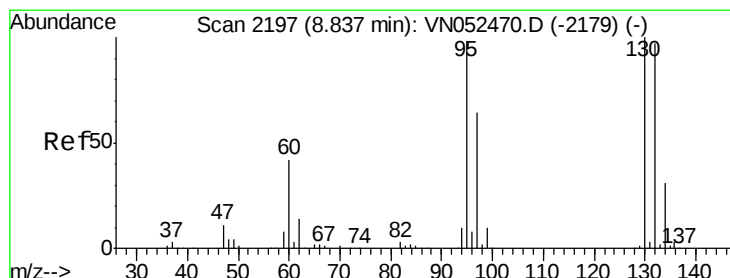
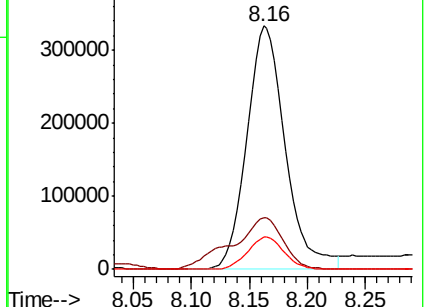
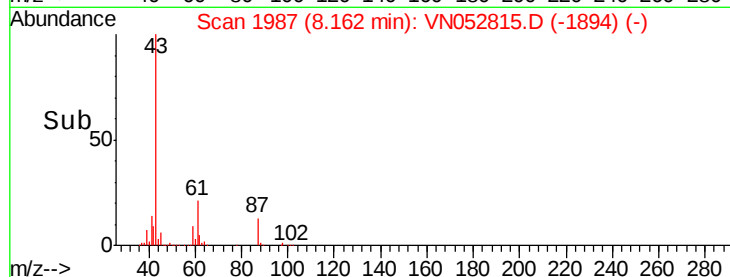
87 12.8 10.6 15.8



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

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

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



#44

Trichloroethene

Concen: 50.012 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052815.D

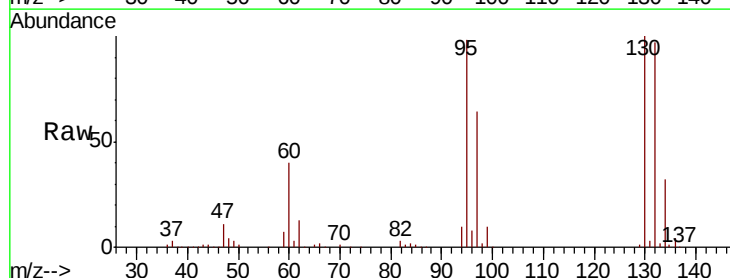
Acq: 11 Dec 2018 21:03

Tgt Ion:130 Resp: 496624

Ion Ratio Lower Upper

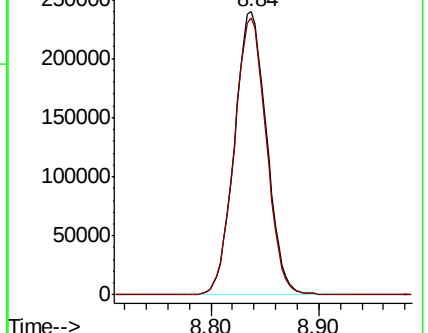
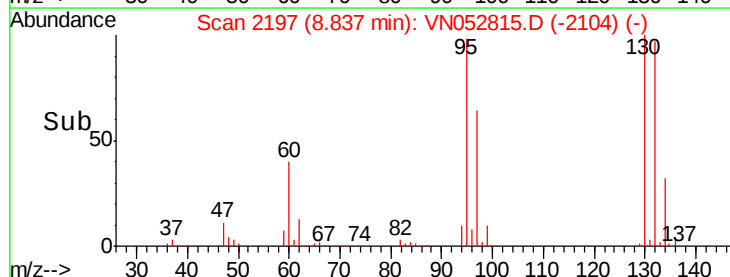
130 100

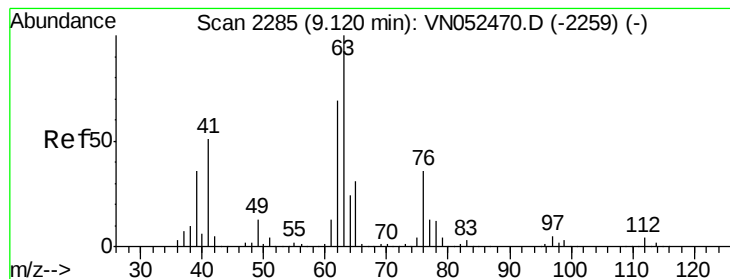
95 97.7 0.0 195.6



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

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





#45

1,2-Dichloropropane

Concen: 49.635 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

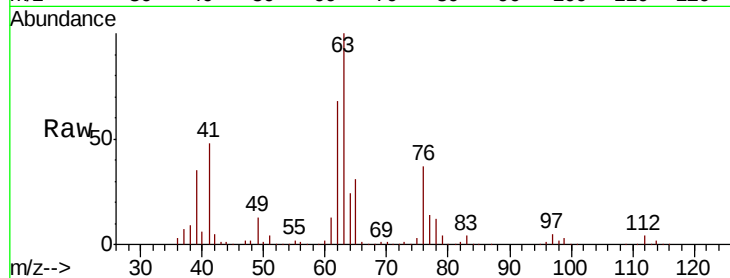
VSTDCCC050EC

Tot Ion: 63 Resp: 511564

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN052470.D (-2259) (-)

Ion 64.90 (64.60 to 65.60): VN052470.D (-2259) (-)

9.12

250000

200000

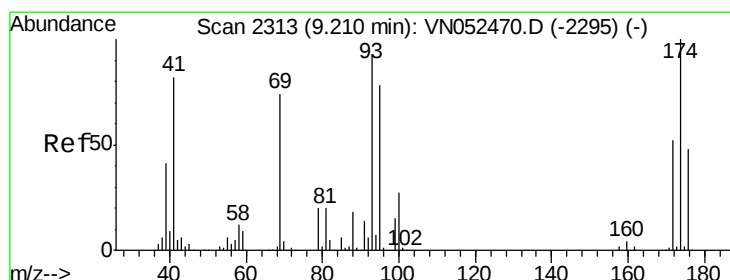
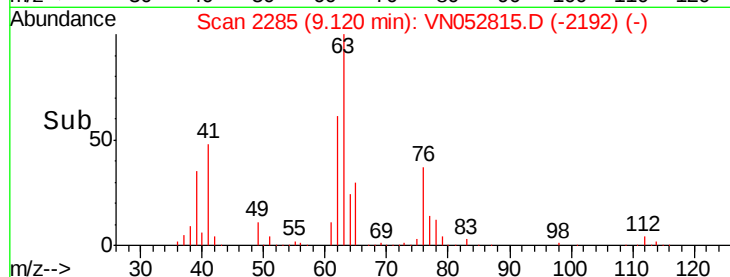
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.360 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

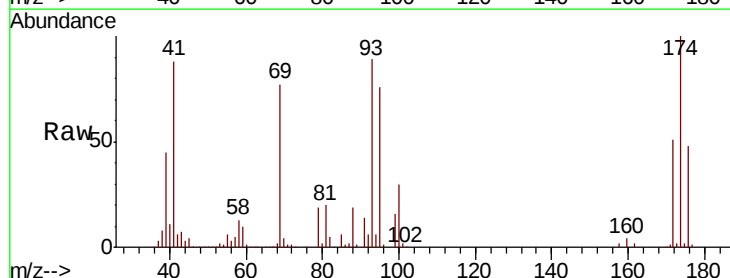
Tgt Ion: 93 Resp: 293039

Ion Ratio Lower Upper

93 100

95 83.0 67.1 100.7

174 110.6 85.8 128.8



Abundance Ion 92.80 (92.50 to 93.50): VN052470.D (-2295) (-)

Ion 94.80 (94.50 to 95.50): VN052470.D (-2295) (-)

Ion 173.70 (173.40 to 174.40): VN052470.D (-2295) (-)

9.21

200000

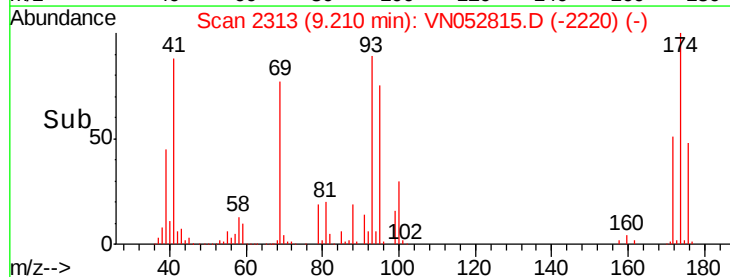
150000

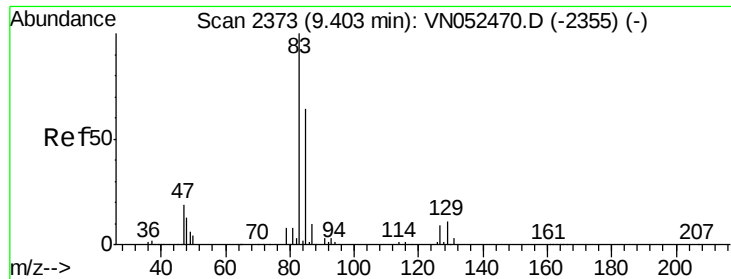
100000

50000

0

Time-->

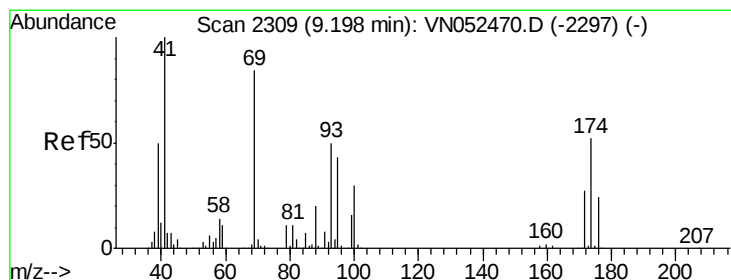
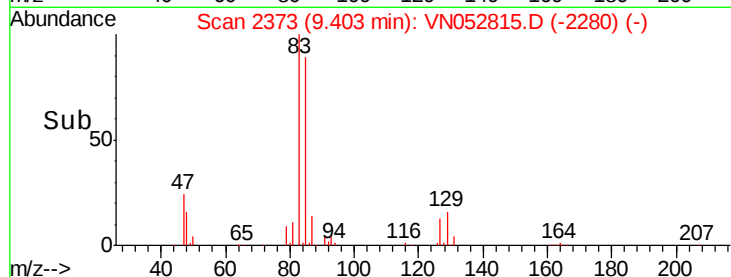
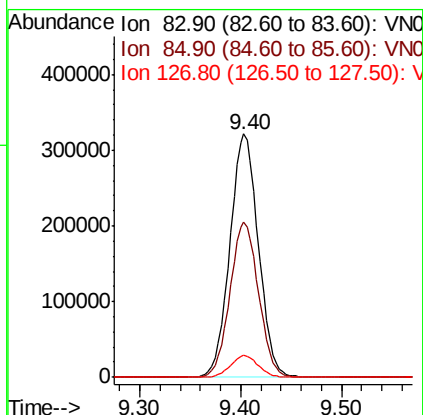
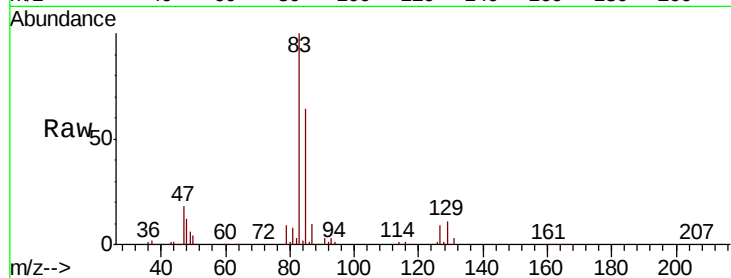




#47
Bromodichloromethane
Concen: 50.934 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

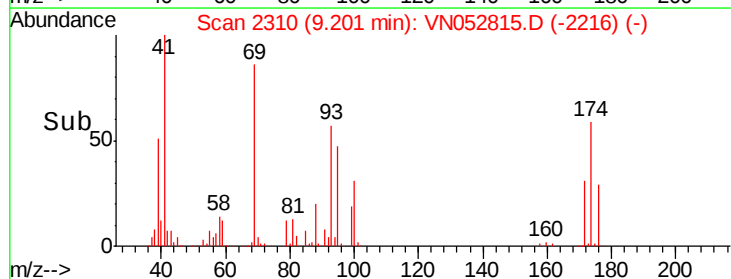
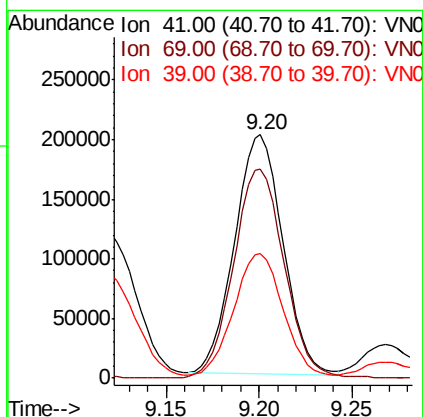
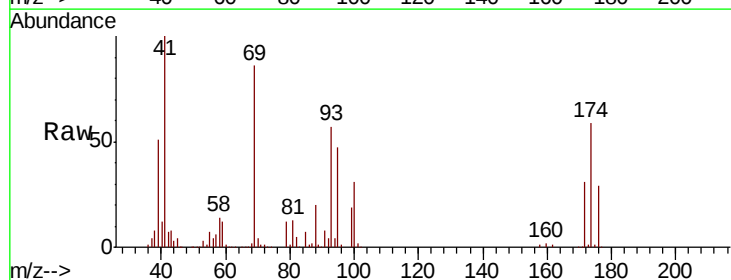
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

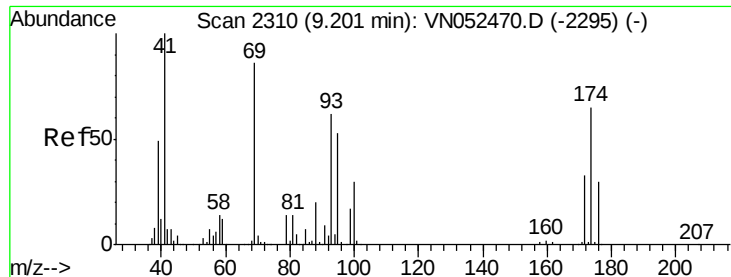
Tot Ion: 83 Resp: 631835
Ion Ratio Lower Upper
83 100
85 63.7 51.3 76.9
127 8.9 6.9 10.3



#48
Methyl methacrylate
Concen: 52.112 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 41 Resp: 365058
Ion Ratio Lower Upper
41 100
69 91.5 70.0 105.0
39 53.6 42.6 64.0

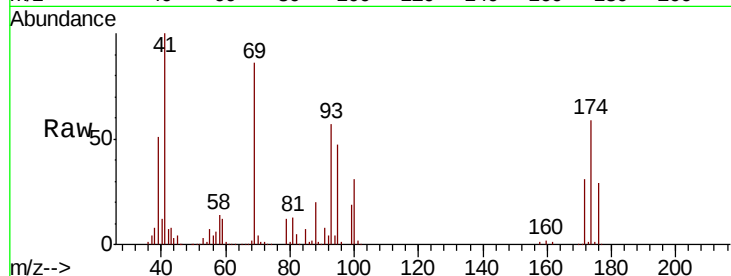




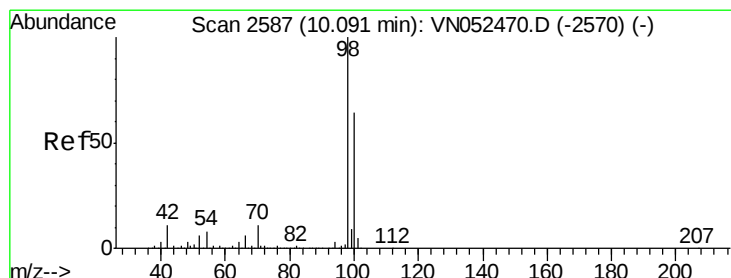
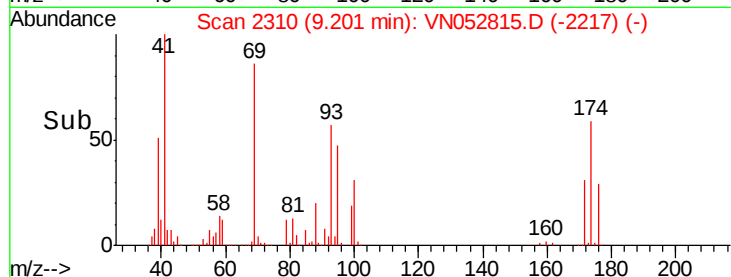
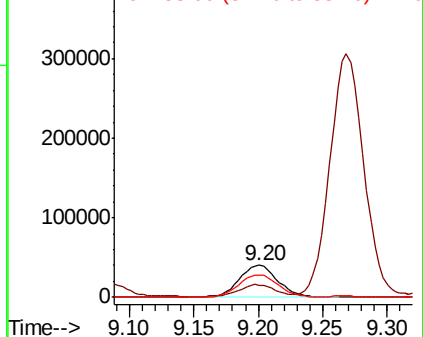
#49
1,4-Dioxane
Concen: 1165.291 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 84720
Ion Ratio Lower Upper
88 100
43 35.2 26.4 39.6
58 71.2 55.4 83.0

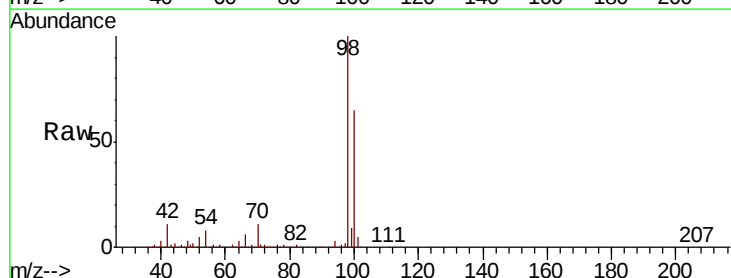


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

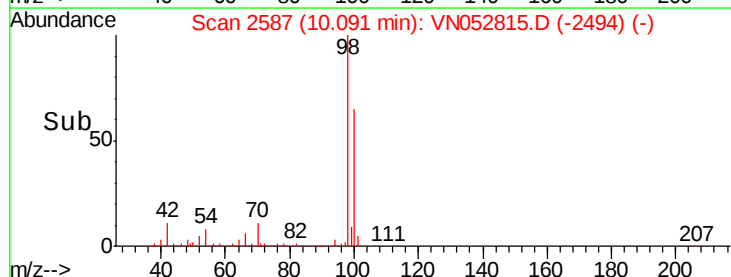
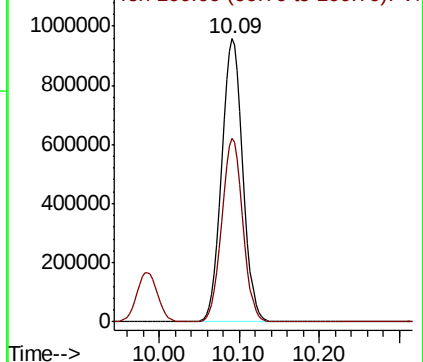


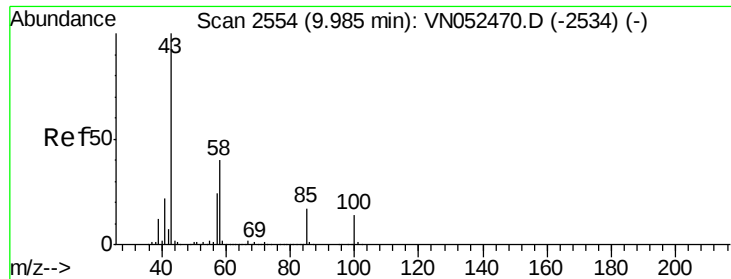
#50
Toluene-d8
Concen: 1165.291 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 98 Resp: 1743865
Ion Ratio Lower Upper
98 100
100 64.5 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 273.651 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

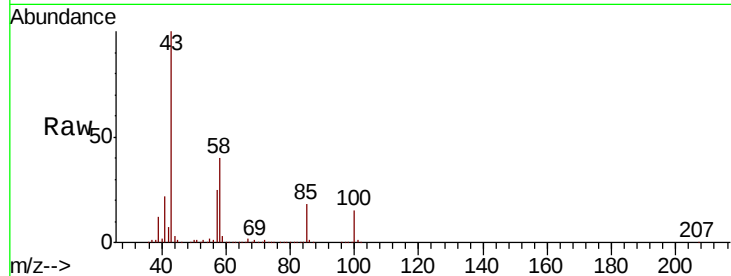
VSTDCCC050EC

Tot Ion: 43 Resp: 2062743

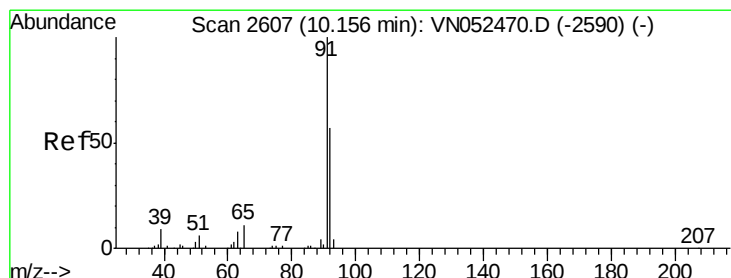
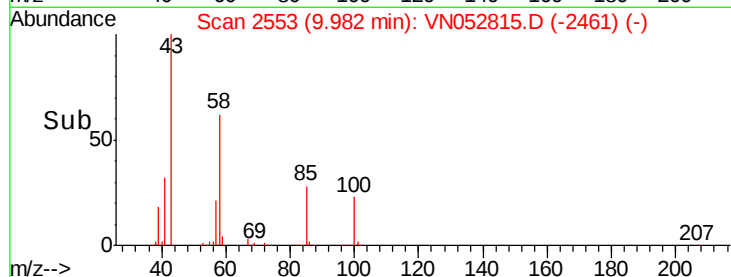
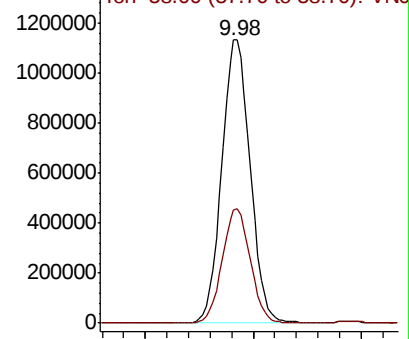
Ion Ratio Lower Upper

43 100

58 40.0 31.5 47.3



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



#52

Toluene

Concen: 50.427 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052815.D

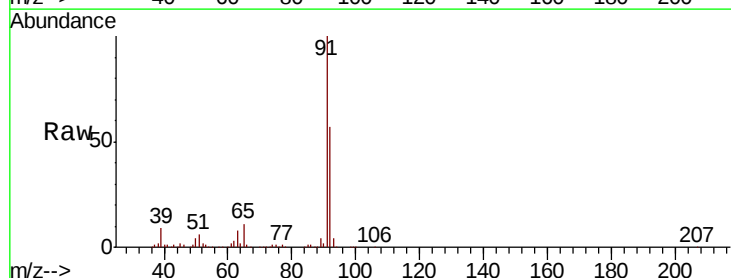
Acq: 11 Dec 2018 21:03

Tgt Ion: 92 Resp: 1161495

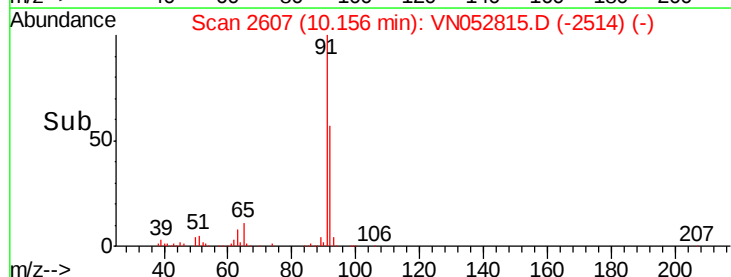
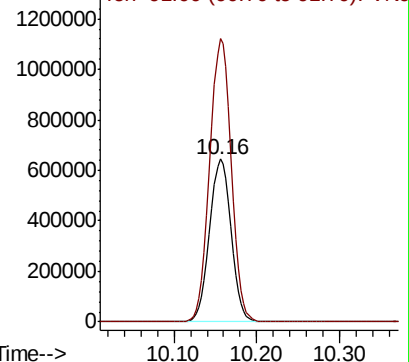
Ion Ratio Lower Upper

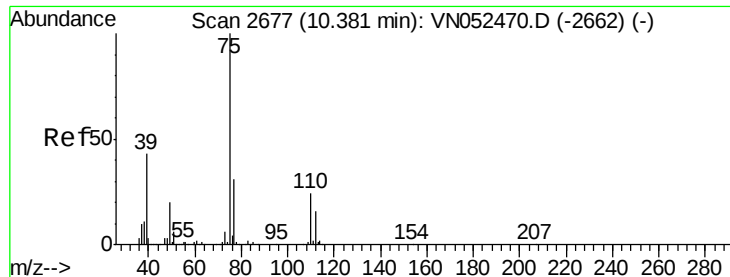
92 100

91 173.8 141.0 211.4



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





#53

t-1,3-Dichloropropene

Concen: 52.805 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

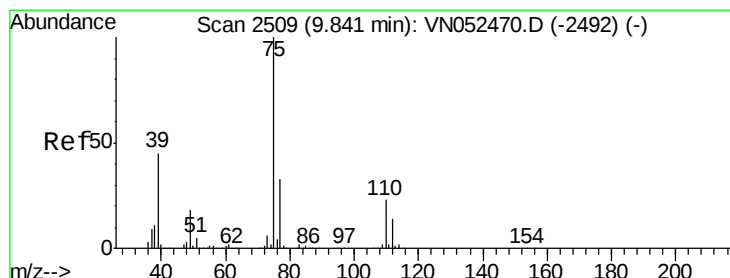
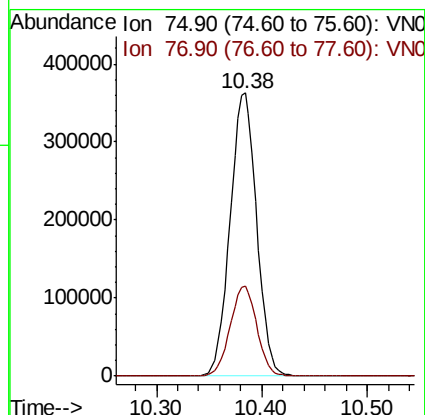
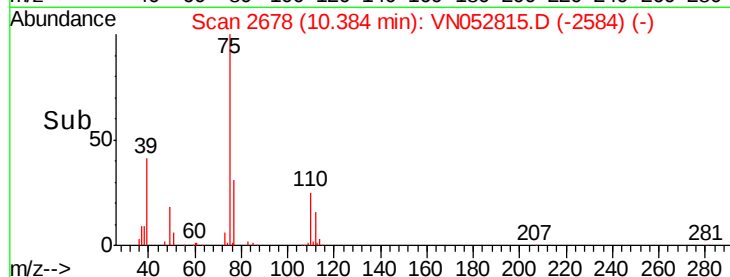
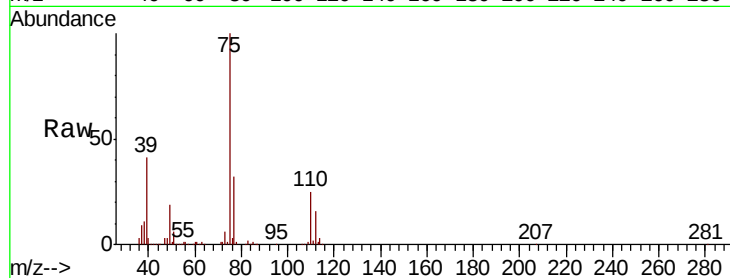
VSTDCCC050EC

Tot Ion: 75 Resp: 630170

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 51.341 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

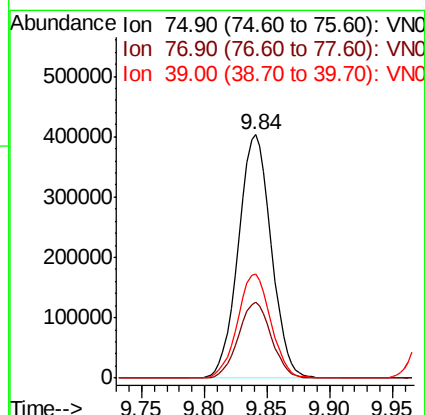
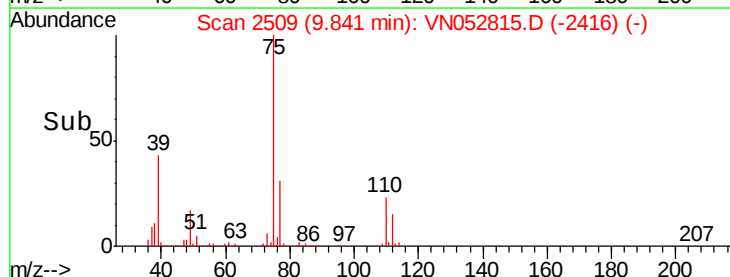
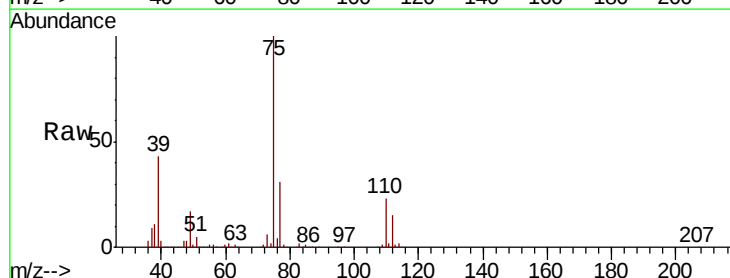
Tgt Ion: 75 Resp: 734229

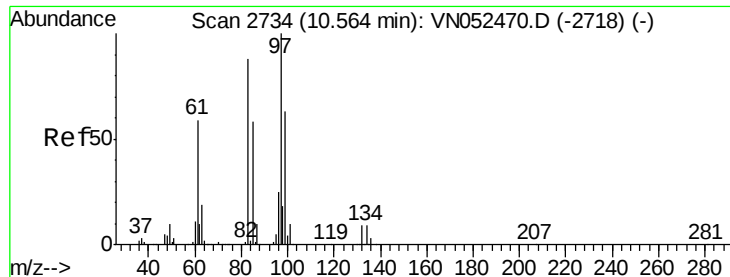
Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.2

39 42.8 36.0 54.0

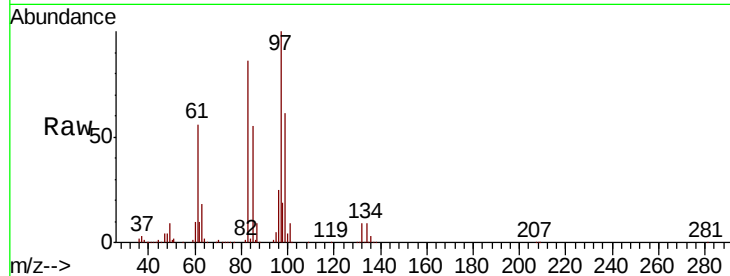




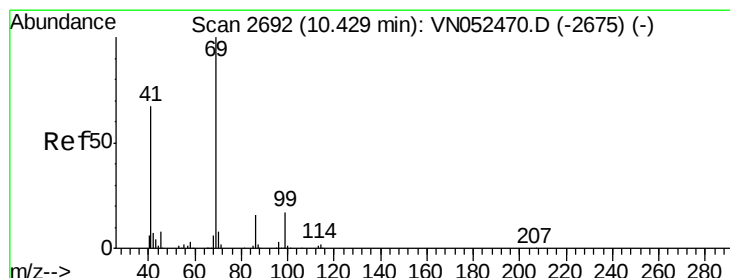
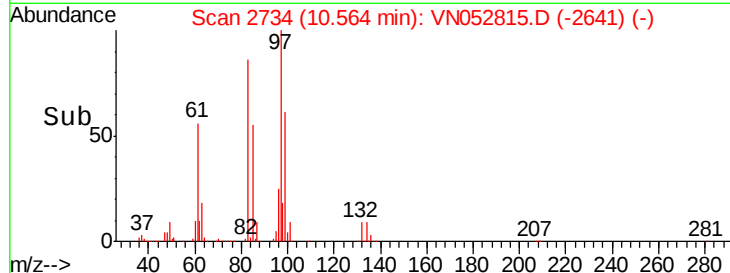
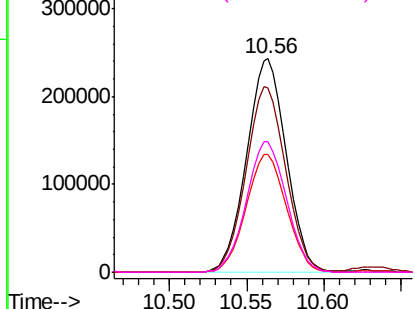
#55
 1,1,2-Trichloroethane
 Concen: 53.522 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 433630
 Ion Ratio Lower Upper
 97 100
 83 86.4 70.7 106.1
 85 55.4 46.1 69.1
 99 61.2 50.8 76.2

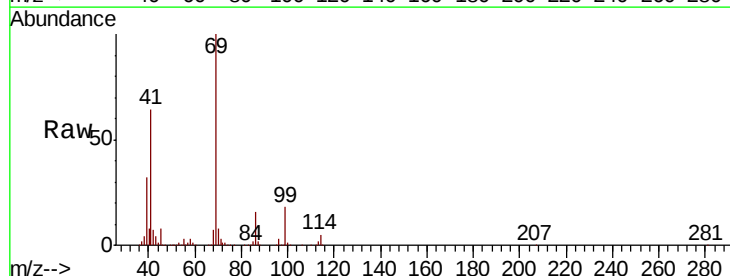


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

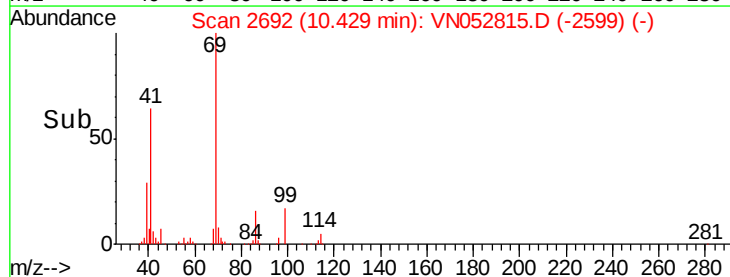
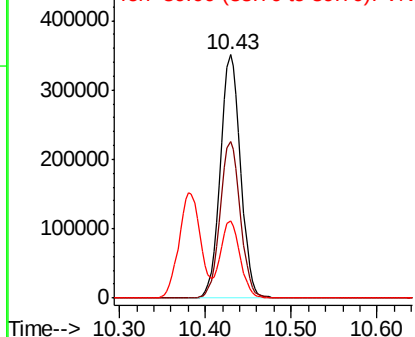


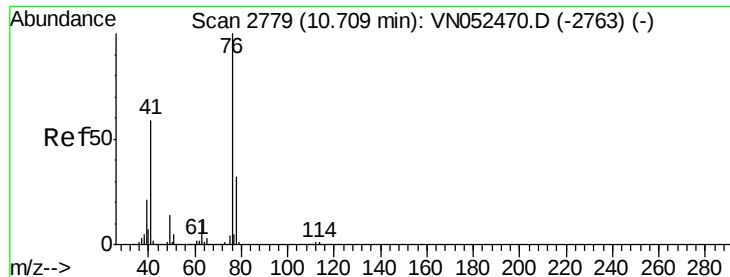
#56
 Ethyl methacrylate
 Concen: 50.924 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 69 Resp: 573507
 Ion Ratio Lower Upper
 69 100
 41 63.9 52.6 79.0
 39 30.8 25.9 38.9



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





#57

1,3-Dichloropropane

Concen: 51.088 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

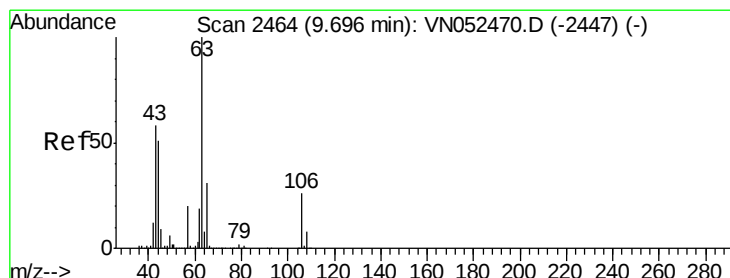
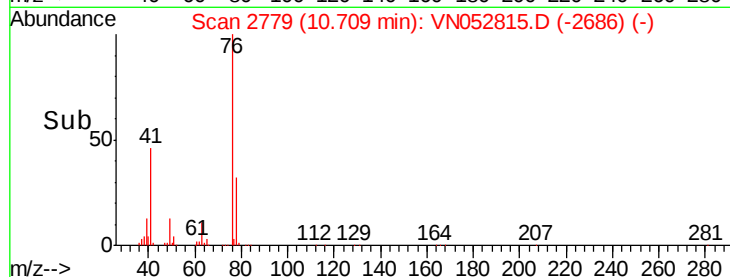
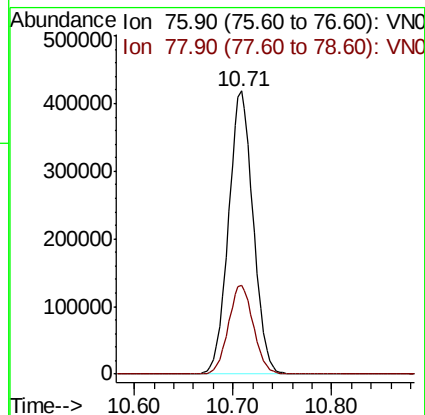
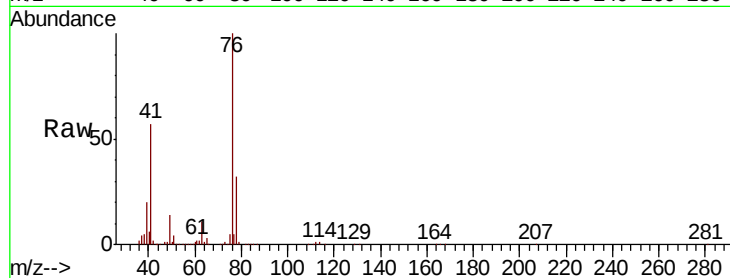
VSTDCCC050EC

Tot Ion: 76 Resp: 730857

Ion Ratio Lower Upper

76 100

78 32.1 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 269.476 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052815.D

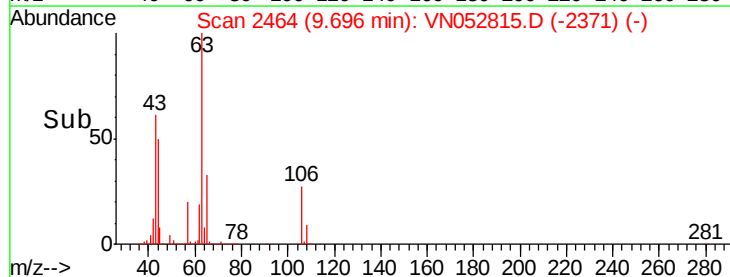
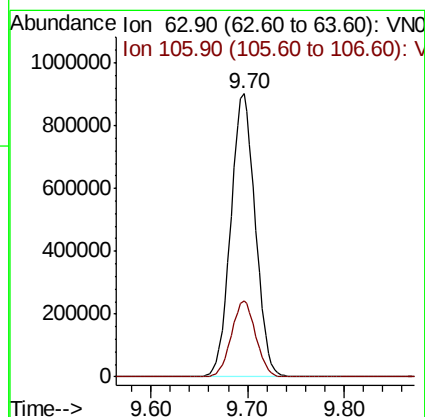
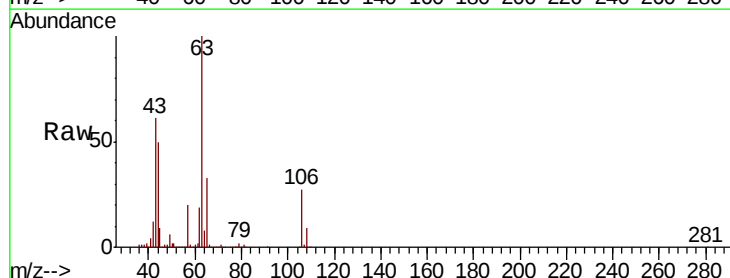
Acq: 11 Dec 2018 21:03

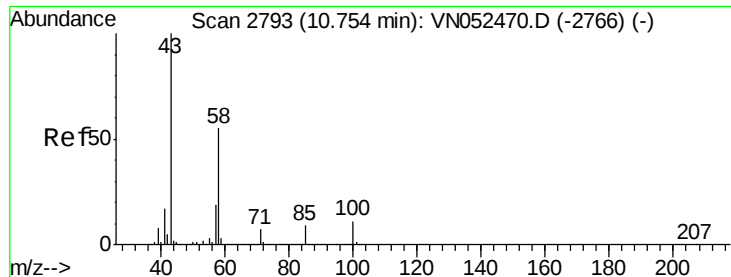
Tgt Ion: 63 Resp: 1584241

Ion Ratio Lower Upper

63 100

106 26.7 20.6 30.8

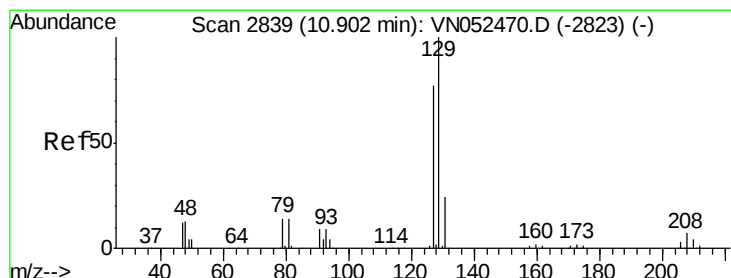
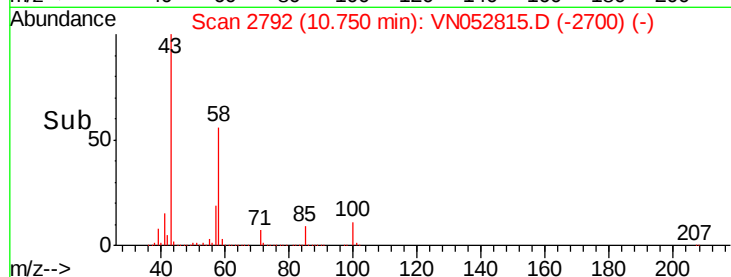
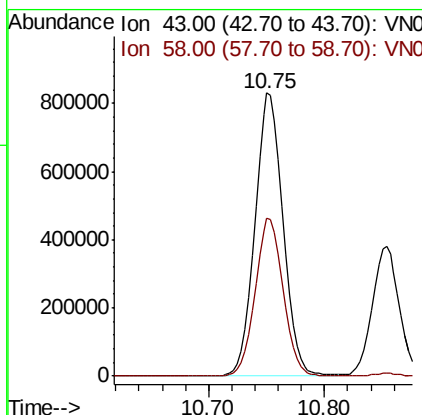
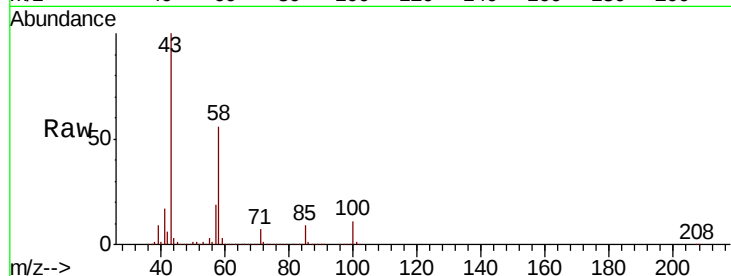




#59
2-Hexanone
Concen: 276.882 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

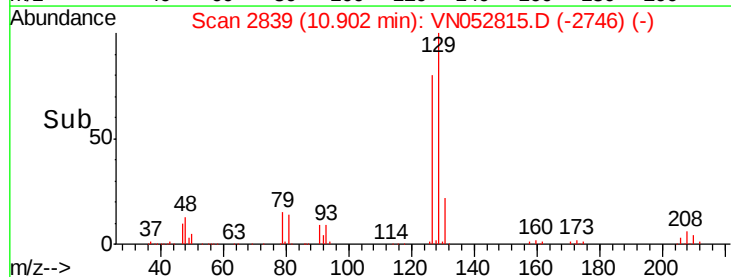
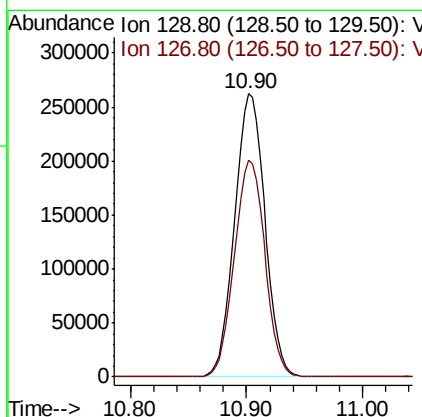
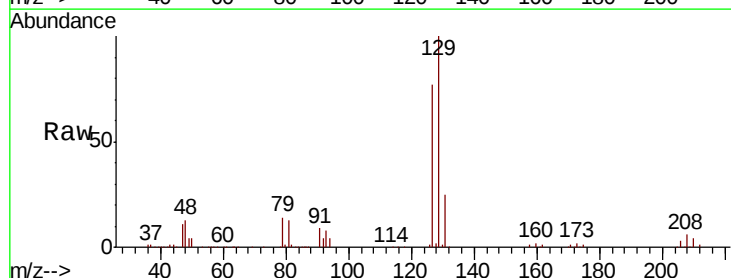
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

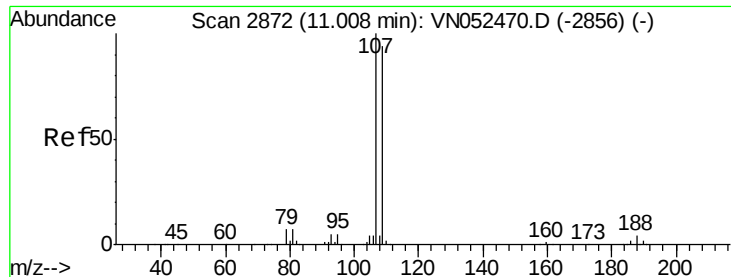
Tot Ion: 43 Resp: 1400760
Ion Ratio Lower Upper
43 100
58 55.7 27.4 82.0



#60
Dibromochloromethane
Concen: 53.953 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion: 129 Resp: 474766
Ion Ratio Lower Upper
129 100
127 77.2 38.9 116.6

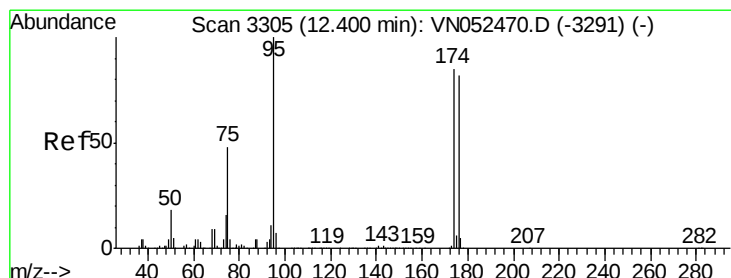
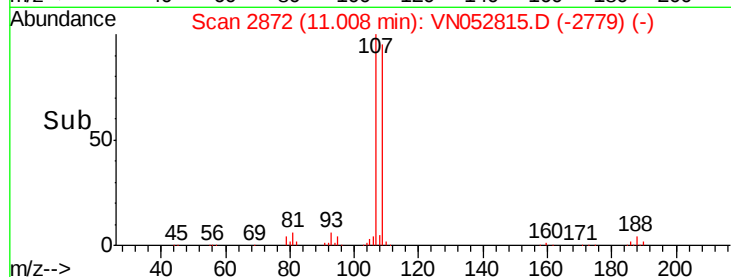
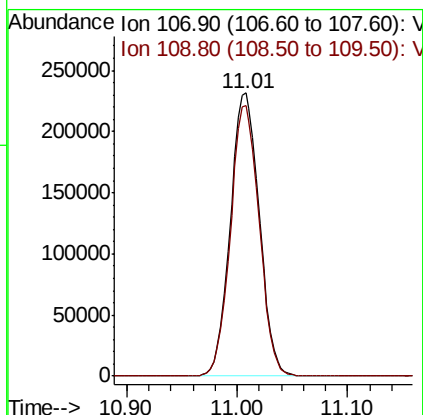
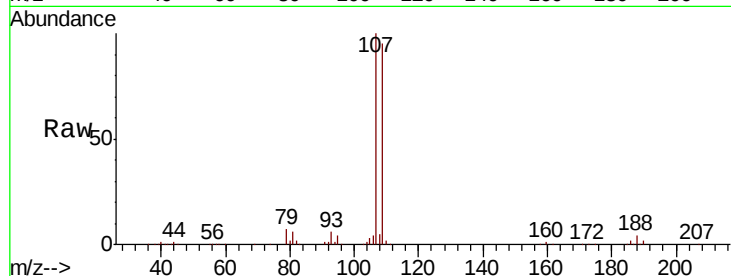




#61
 1,2-Dibromoethane
 Concen: 52.300 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

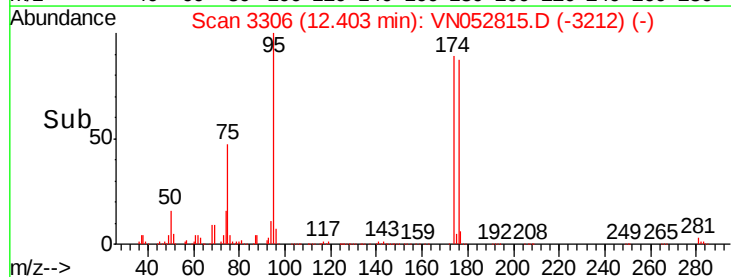
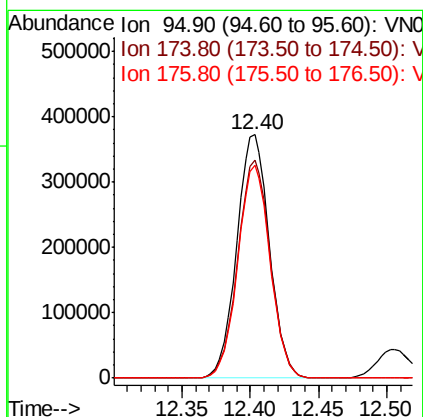
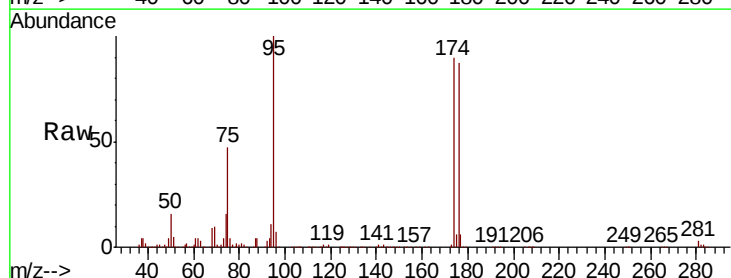
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

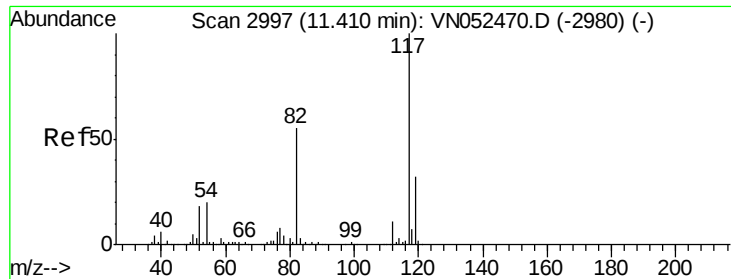
Tot Ion:107 Resp: 420853
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 52.300 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion: 95 Resp: 618573
 Ion Ratio Lower Upper
 95 100
 174 89.3 0.0 173.0
 176 86.5 0.0 166.2

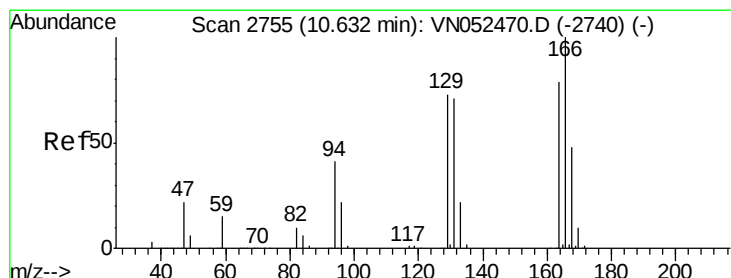
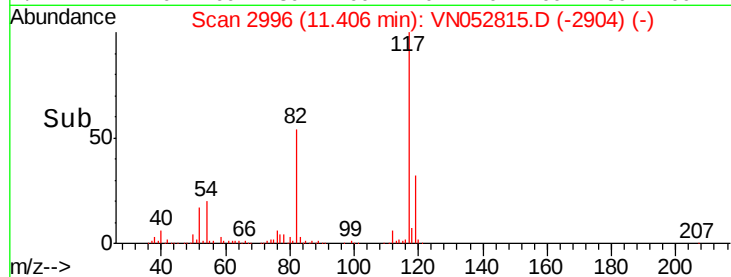
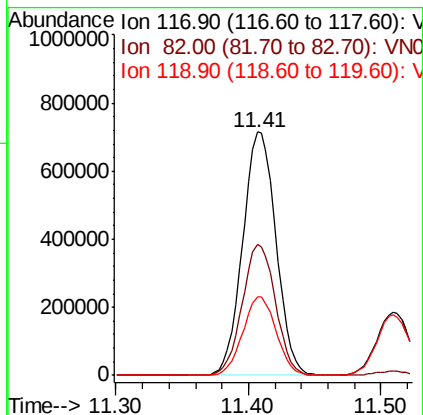
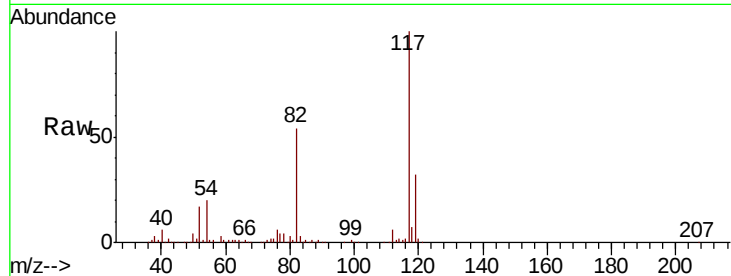




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

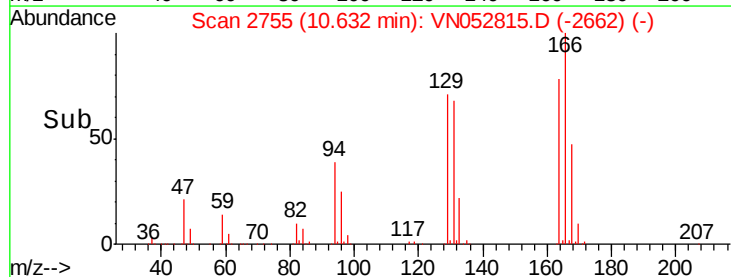
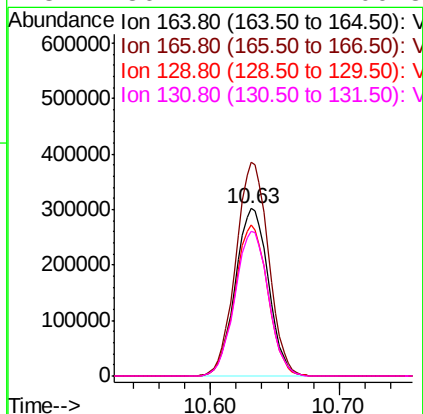
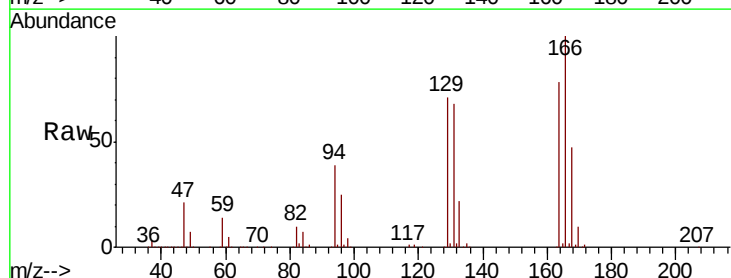
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 1244219
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.3 25.4 38.2



#64
Tetrachloroethene
Concen: 55.889 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:164 Resp: 539146
Ion Ratio Lower Upper
164 100
166 127.6 101.0 151.4
129 90.0 73.8 110.6
131 86.7 71.2 106.8

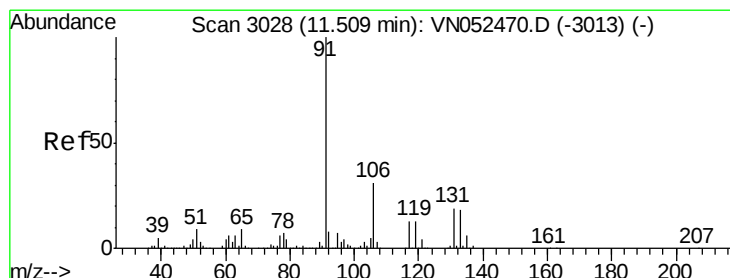
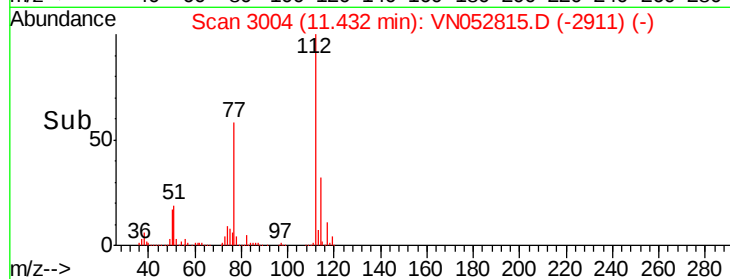
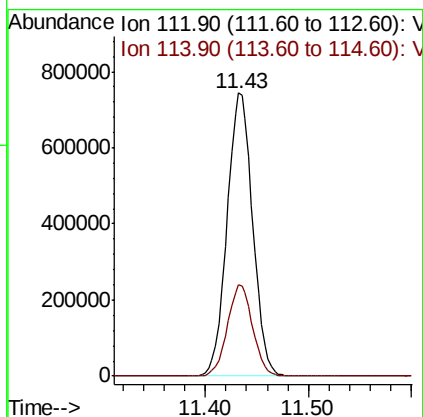
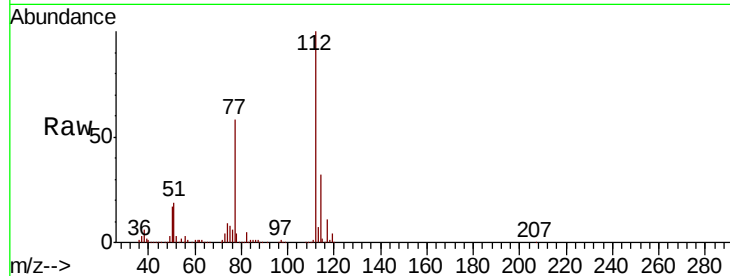




#65
Chlorobenzene
Concen: 50.042 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

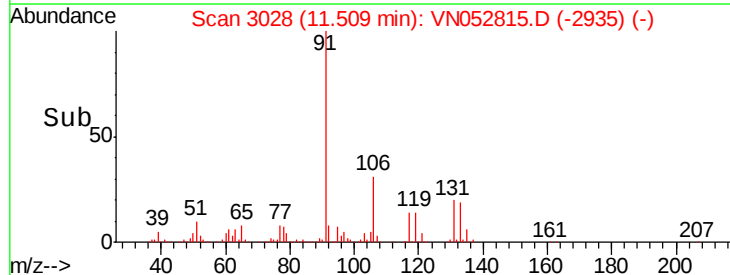
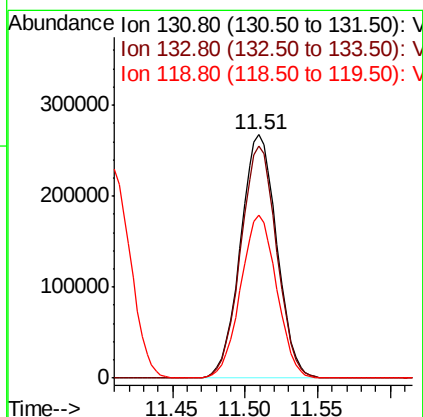
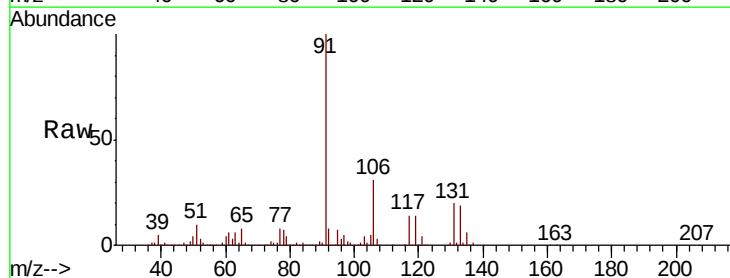
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

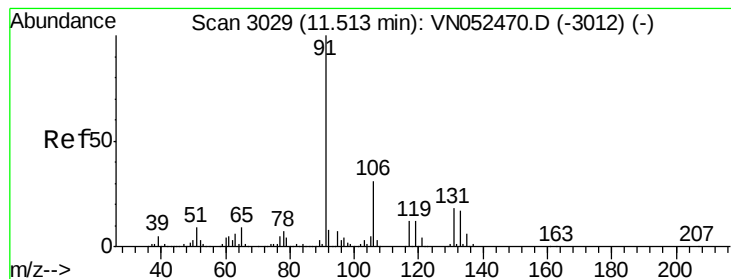
Tot Ion:112 Resp: 1283867
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 52.257 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:131 Resp: 466161
Ion Ratio Lower Upper
131 100
133 94.9 47.6 142.8
119 66.4 33.2 99.6





#67

Ethyl Benzene

Concen: 49.669 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

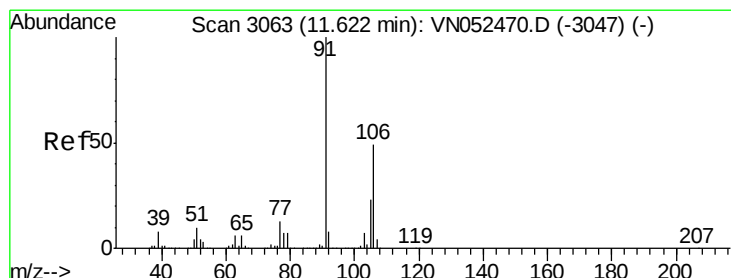
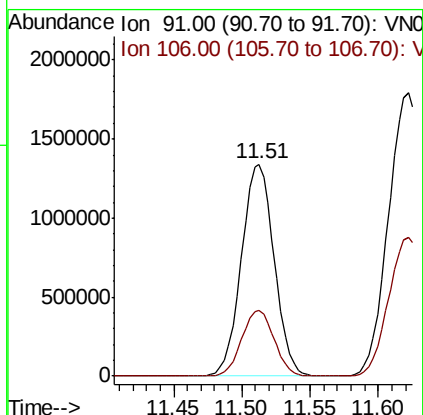
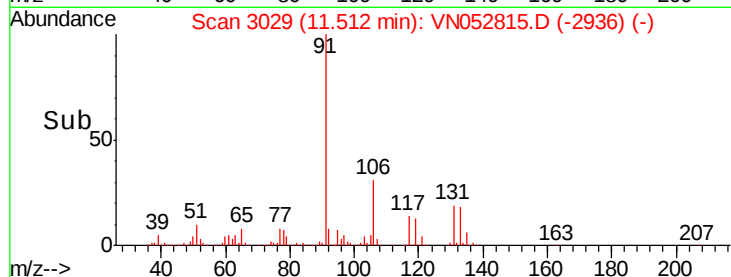
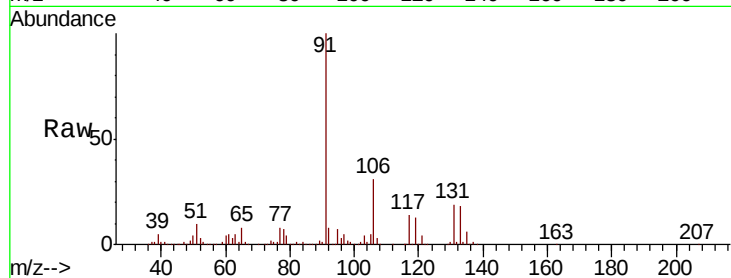
VSTDCCC050EC

Tot Ion: 91 Resp: 2231522

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3



#68

m/p-Xylenes

Concen: 100.162 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052815.D

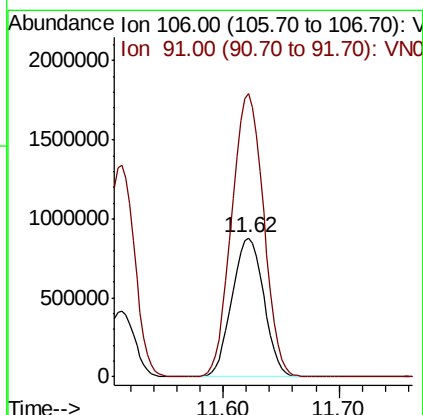
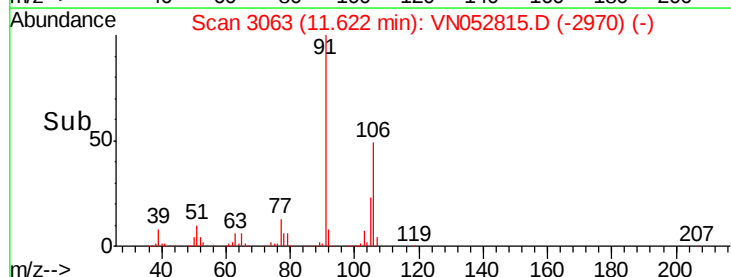
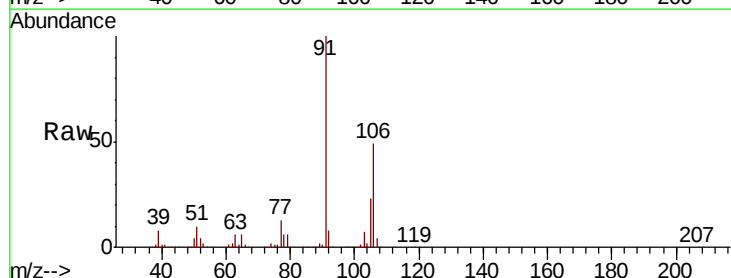
Acq: 11 Dec 2018 21:03

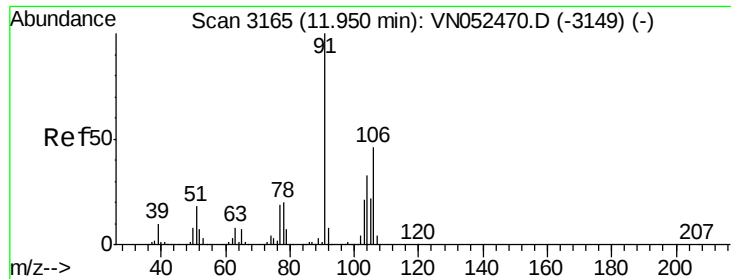
Tgt Ion: 106 Resp: 1675260

Ion Ratio Lower Upper

106 100

91 204.0 163.2 244.8

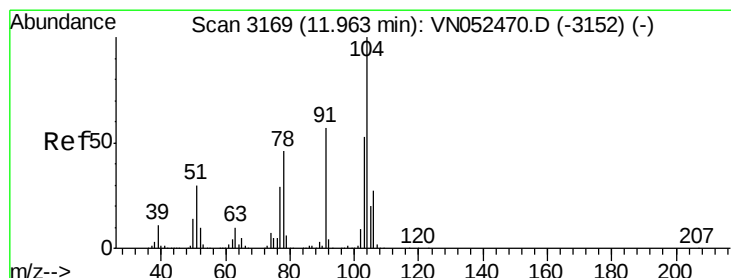
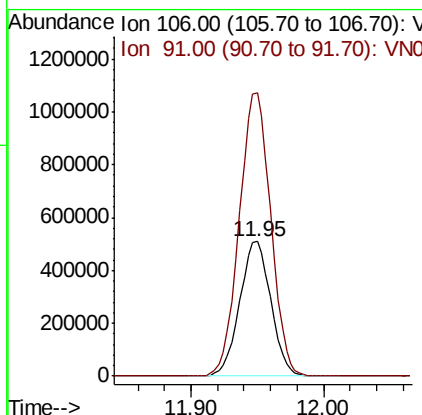
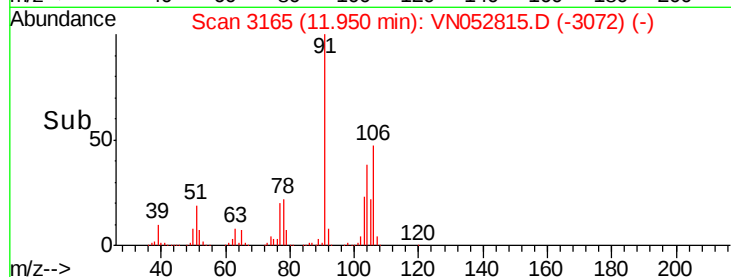
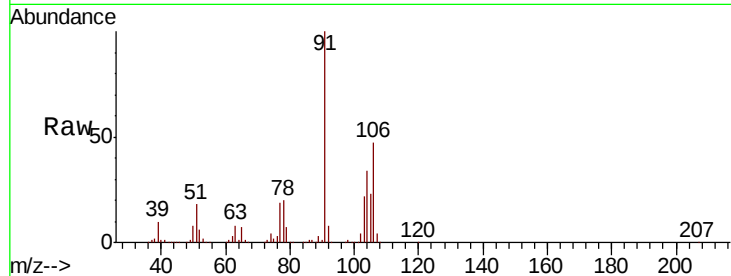




#69
o-Xylene
Concen: 51.047 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

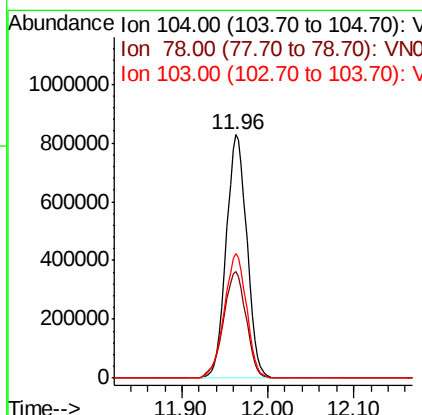
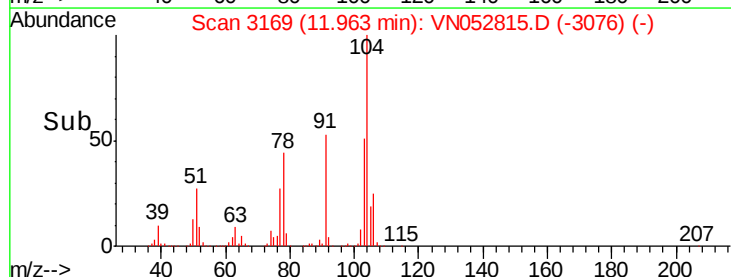
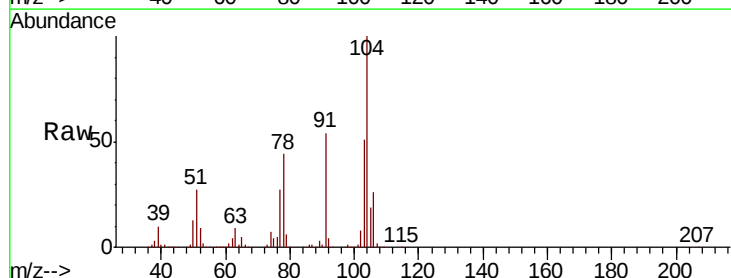
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 829099
Ion Ratio Lower Upper
106 100
91 213.2 107.7 323.1



#70
Styrene
Concen: 53.386 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:104 Resp: 1381059
Ion Ratio Lower Upper
104 100
78 48.1 39.4 59.2
103 55.4 44.9 67.3

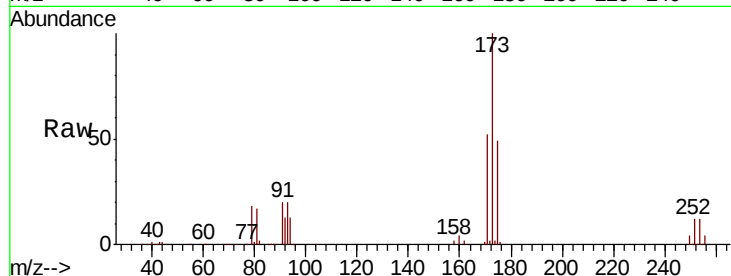




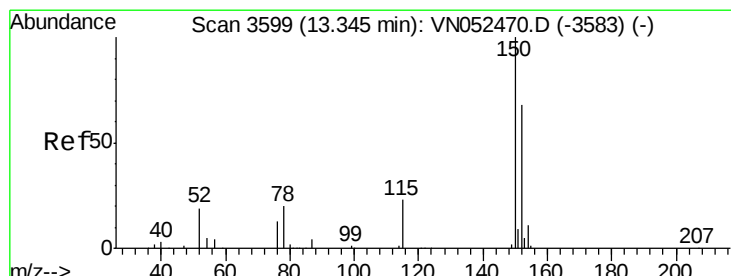
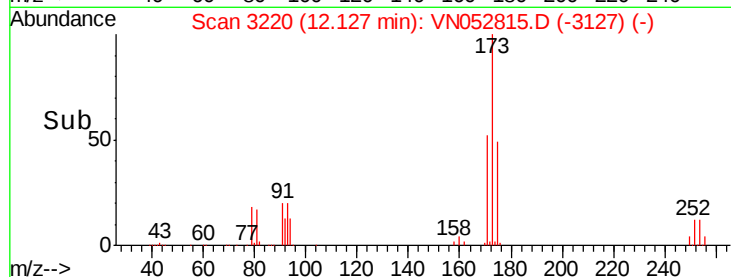
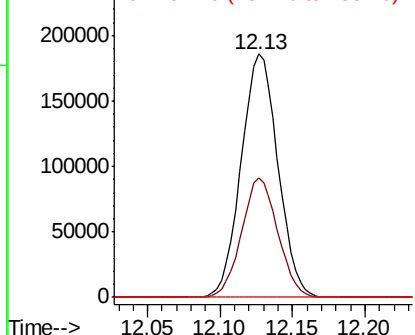
#71
Bromoform
Concen: 55.461 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 327585
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.2
254 0.1 0.1 0.1#

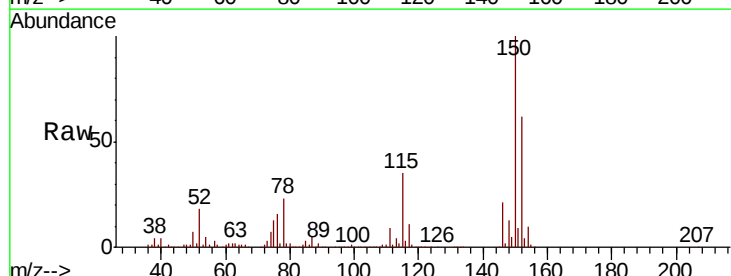


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

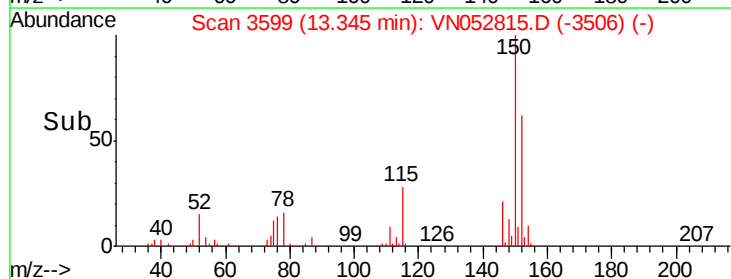
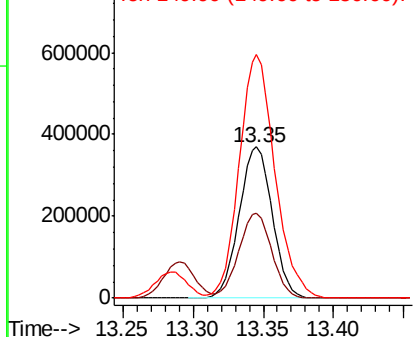


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:152 Resp: 607482
Ion Ratio Lower Upper
152 100
115 55.7 28.4 85.2
150 173.4 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 46.745 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

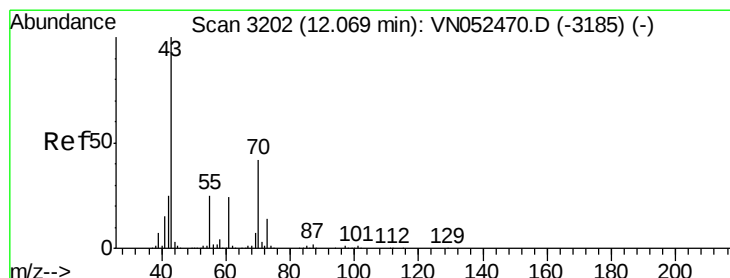
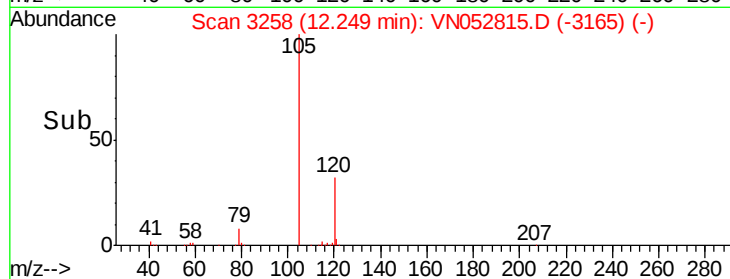
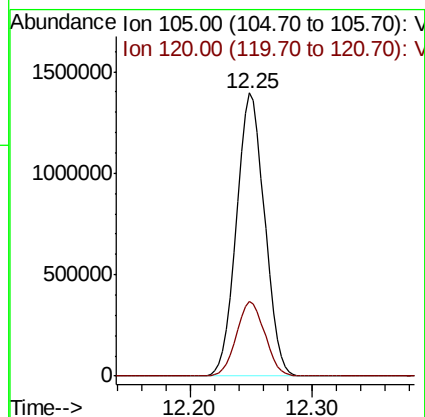
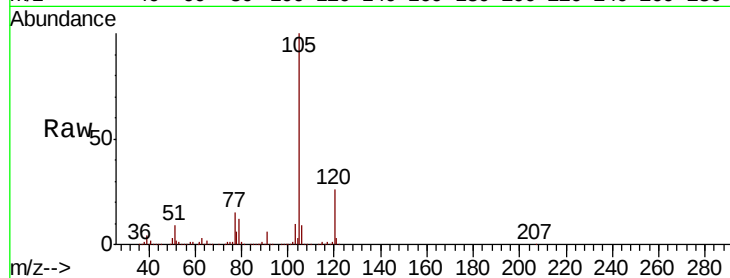
VSTDCCC050EC

Tot Ion:105 Resp: 2227913

Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3



#74

N-ethyl acetate

Concen: 54.190 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Tgt Ion: 43 Resp: 652498

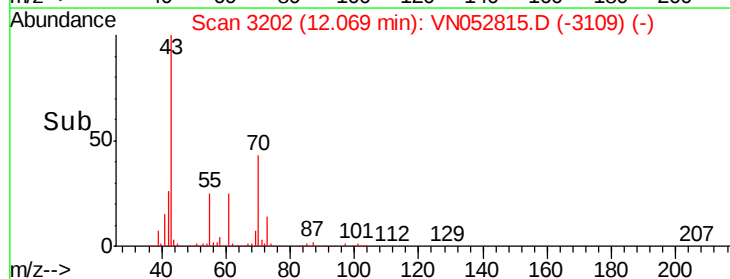
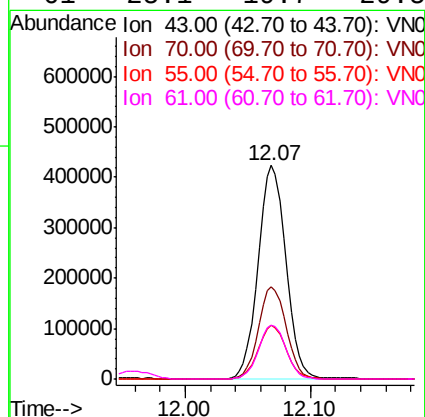
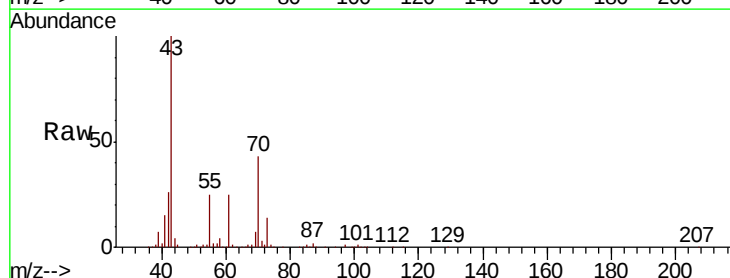
Ion Ratio Lower Upper

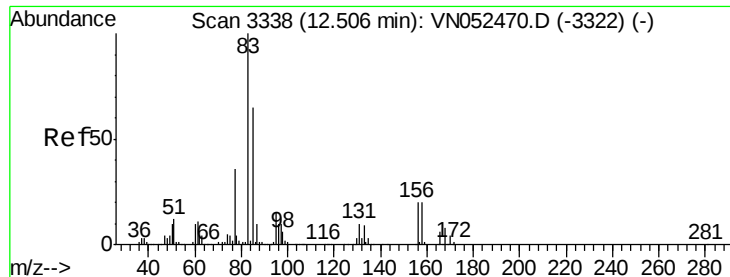
43 100

70 43.6 33.8 50.8

55 25.4 20.0 30.0

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.315 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

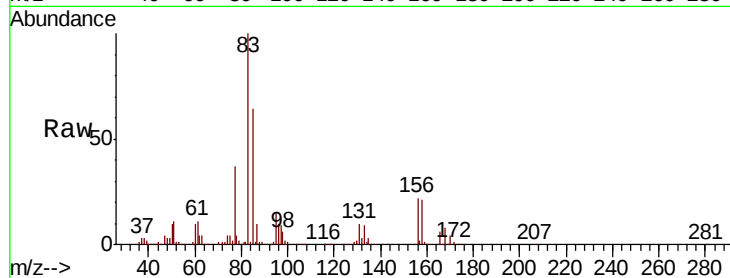
Tot Ion: 83 Resp: 512982

Ion Ratio Lower Upper

83 100

131 10.4 5.0 15.0

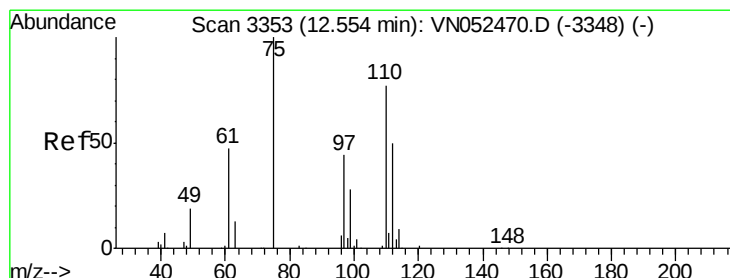
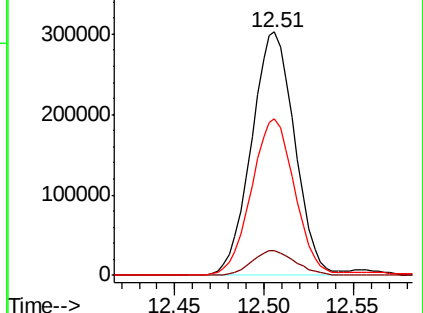
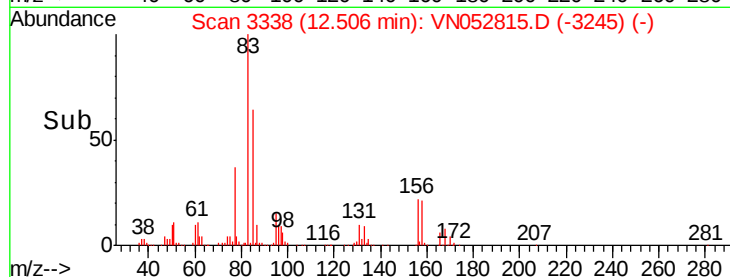
85 64.2 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052815.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN052815.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN052815.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 70.507 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052815.D

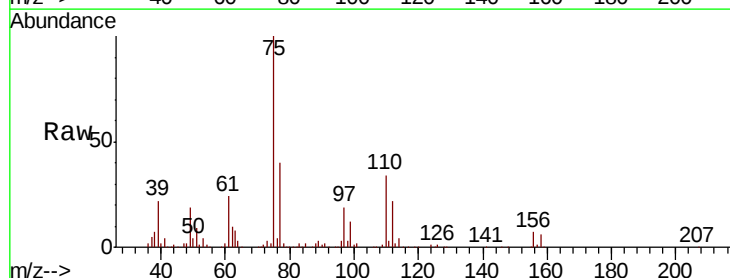
Acq: 11 Dec 2018 21:03

Tgt Ion: 75 Resp: 660488

Ion Ratio Lower Upper

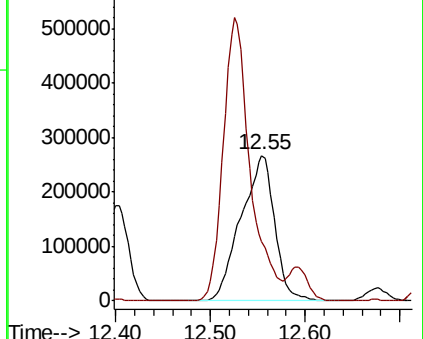
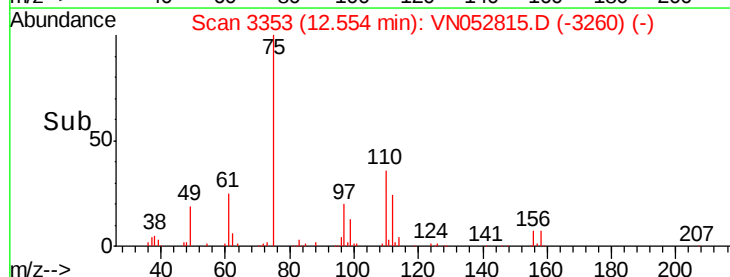
75 100

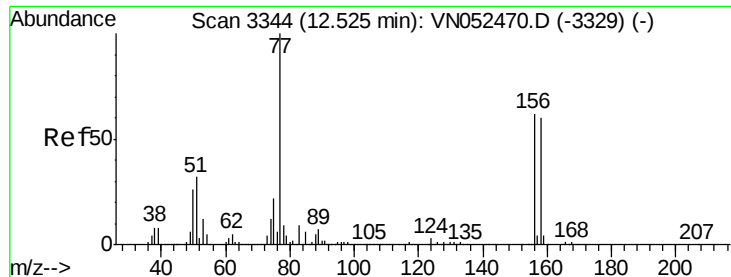
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052815.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN052815.D (-3260) (-)





#77

Bromobenzene

Concen: 48.381 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

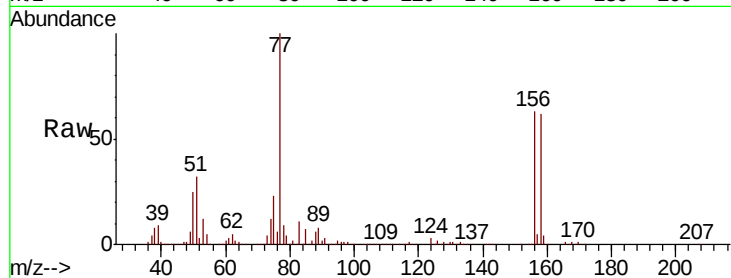
Tot Ion:156 Resp: 569951

Ion Ratio Lower Upper

156 100

77 181.5 93.5 280.4

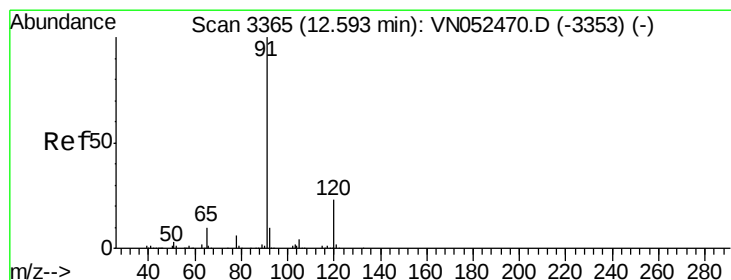
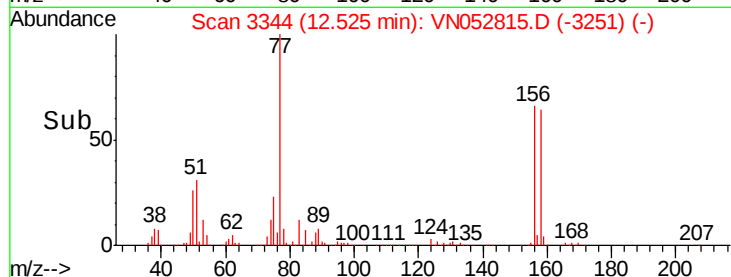
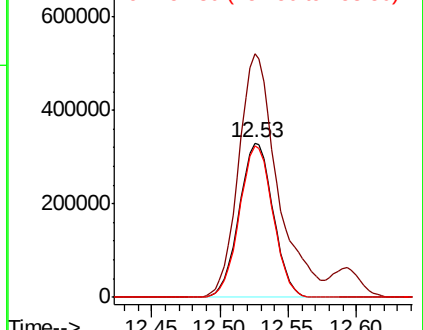
158 97.1 48.3 144.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.125 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052815.D

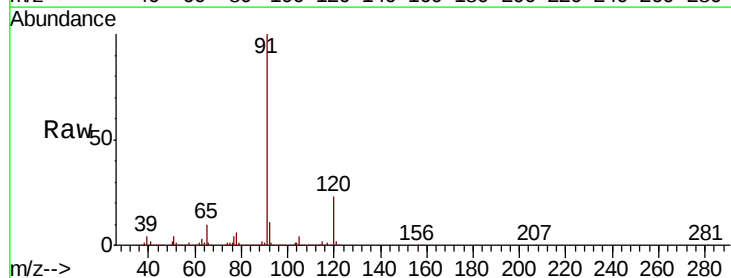
Acq: 11 Dec 2018 21:03

Tgt Ion: 91 Resp: 2551576

Ion Ratio Lower Upper

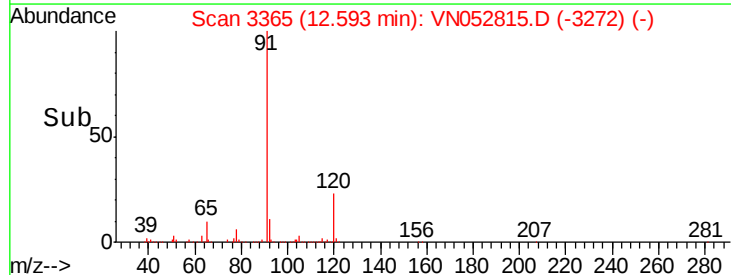
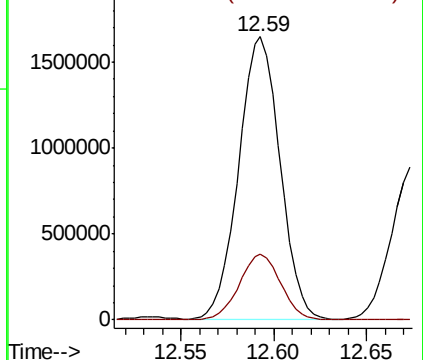
91 100

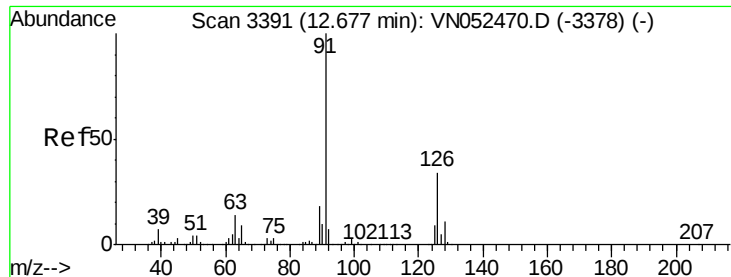
120 23.2 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.736 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

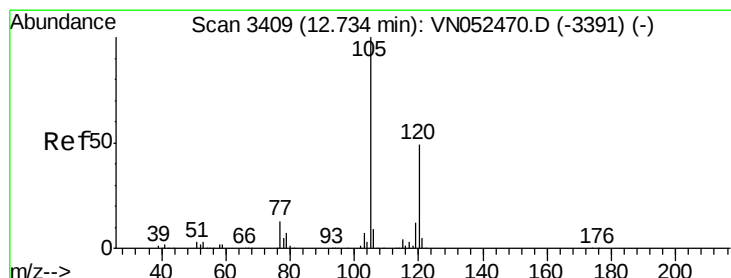
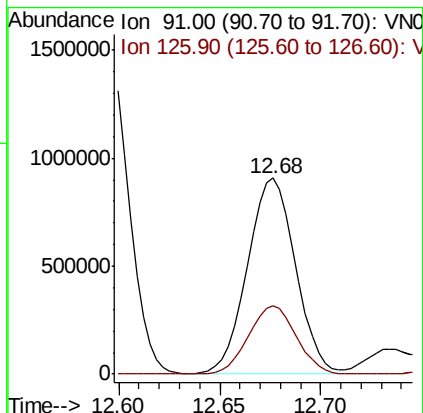
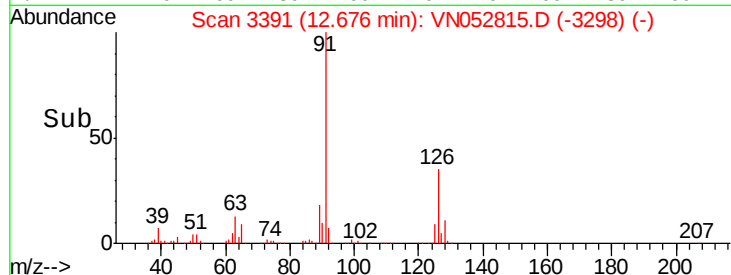
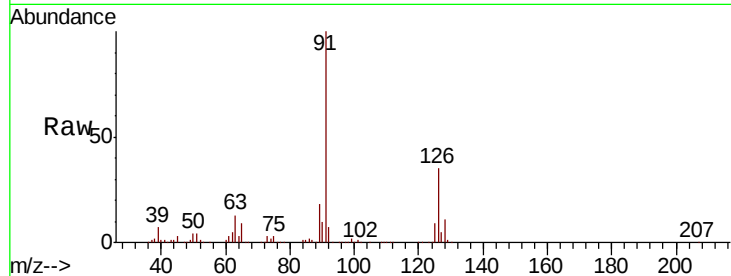
VSTDCCC050EC

Tot Ion: 91 Resp: 1506918

Ion Ratio Lower Upper

91 100

126 35.0 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 47.531 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052815.D

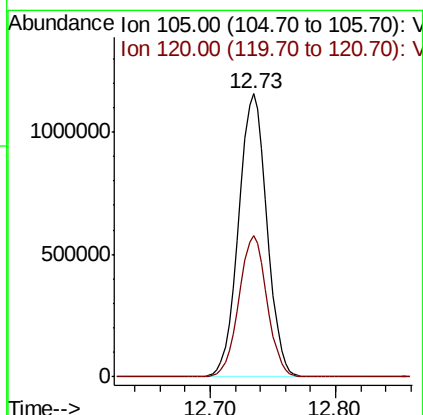
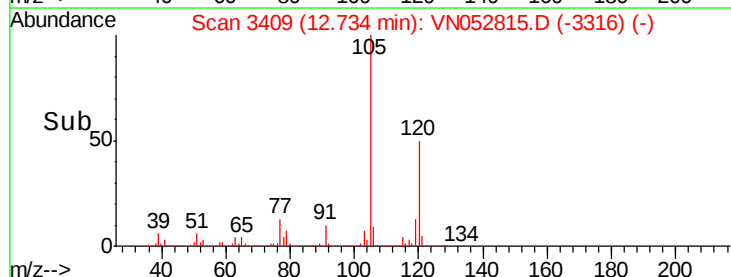
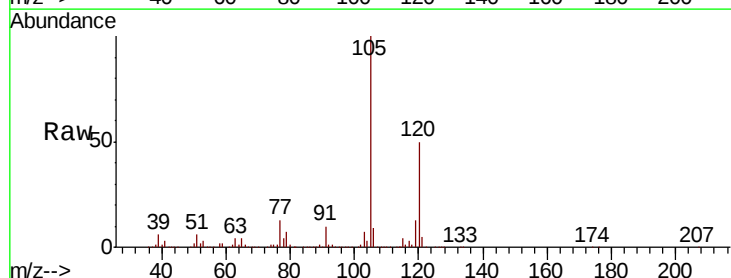
Acq: 11 Dec 2018 21:03

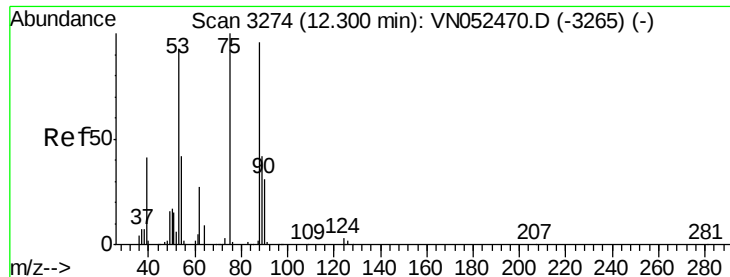
Tgt Ion:105 Resp: 1806718

Ion Ratio Lower Upper

105 100

120 49.5 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.152 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

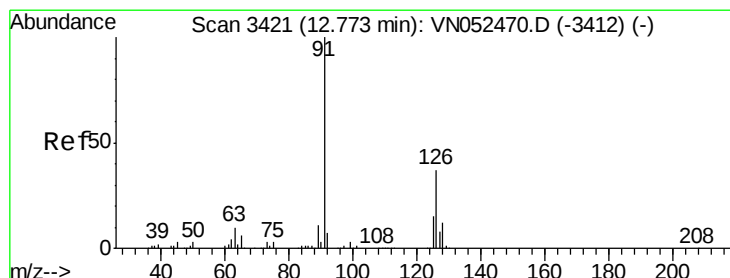
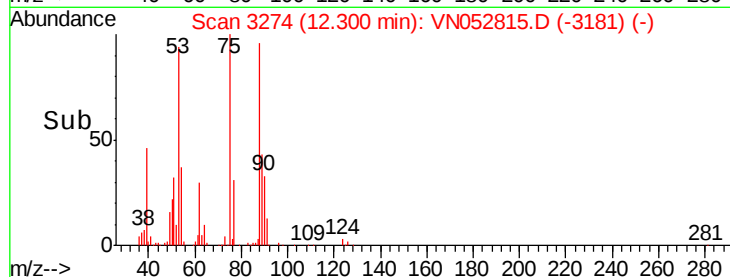
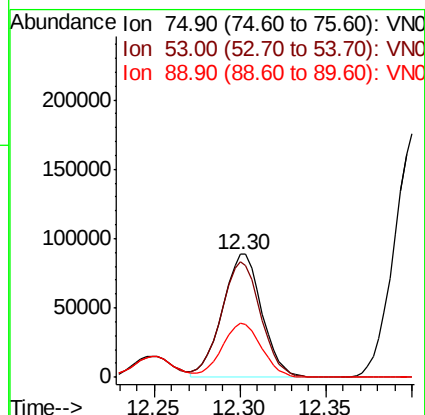
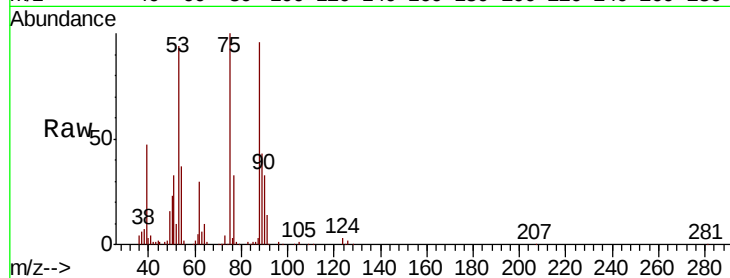
Tot Ion: 75 Resp: 140680

Ion Ratio Lower Upper

75 100

53 95.6 77.4 116.0

89 44.5 35.4 53.2



#82

4-Chlorotoluene

Concen: 47.297 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052815.D

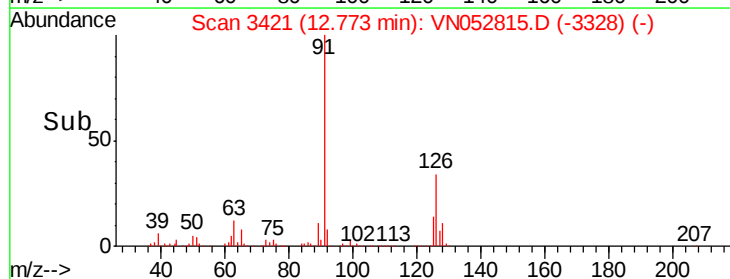
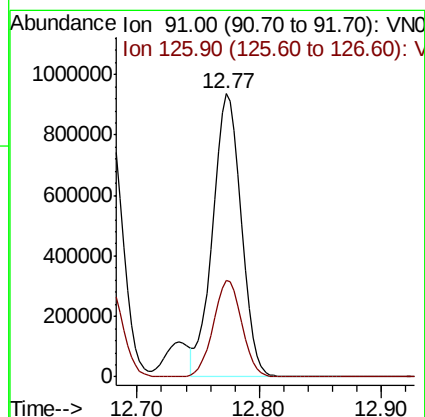
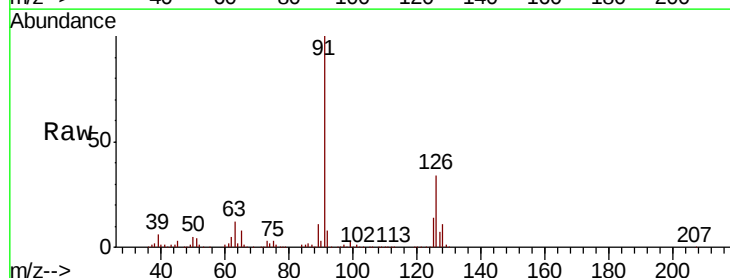
Acq: 11 Dec 2018 21:03

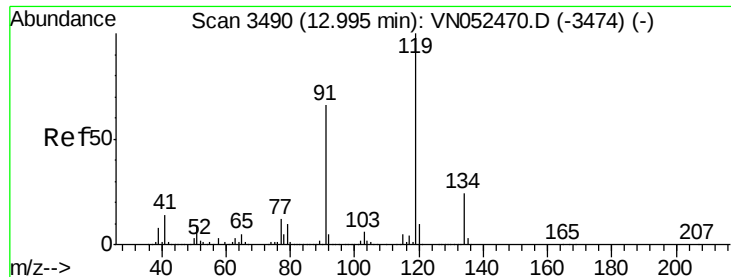
Tgt Ion: 91 Resp: 1536961

Ion Ratio Lower Upper

91 100

126 34.1 16.9 50.6

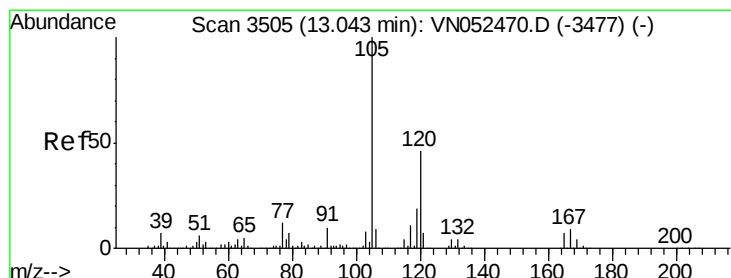
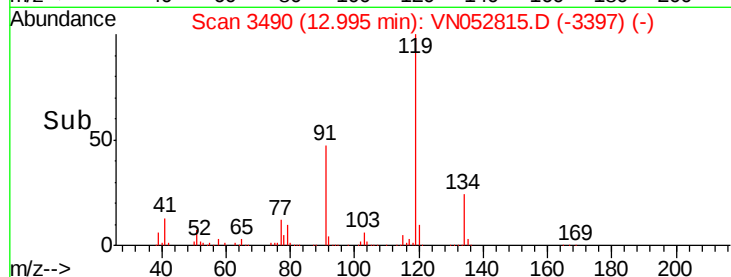
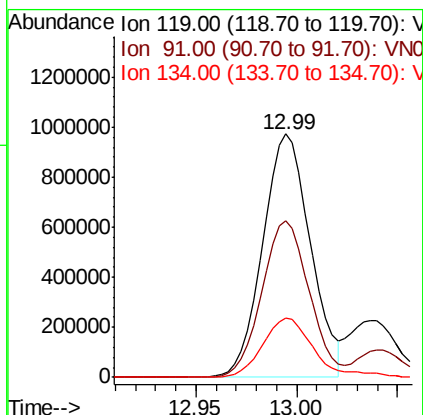
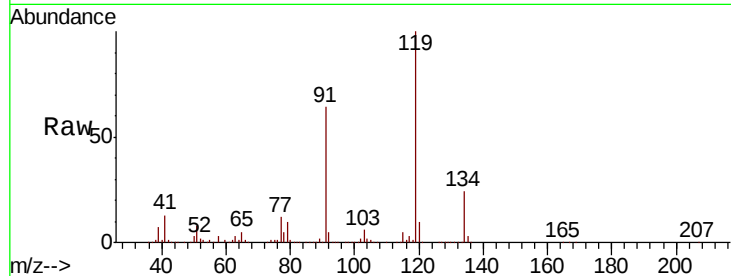




#83
tert-Butylbenzene
Concen: 47.315 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

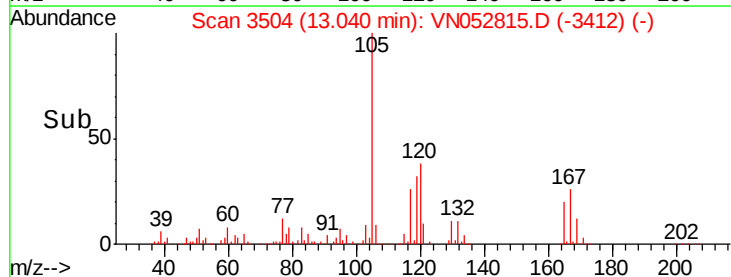
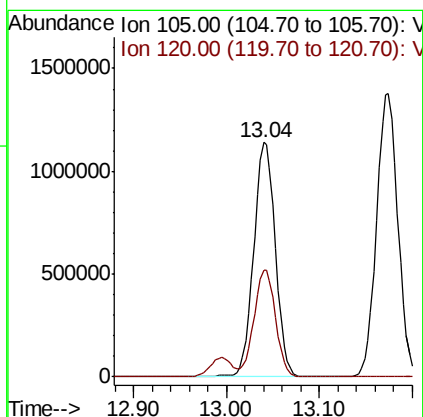
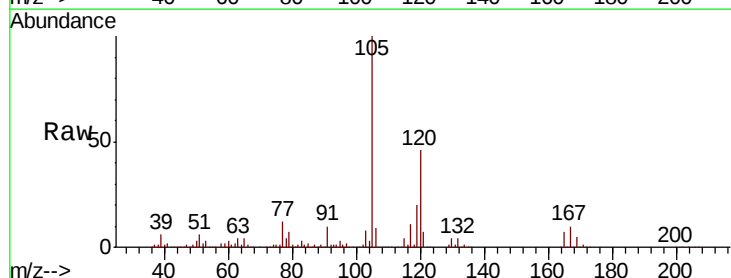
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

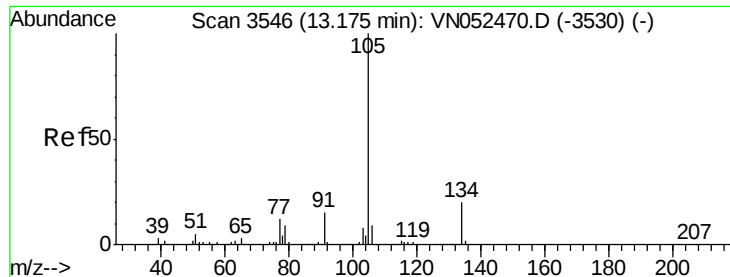
Tot Ion:119 Resp: 1603364
Ion Ratio Lower Upper
119 100
91 63.8 32.3 96.9
134 26.0 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 48.333 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:105 Resp: 1841173
Ion Ratio Lower Upper
105 100
120 45.3 22.8 68.4

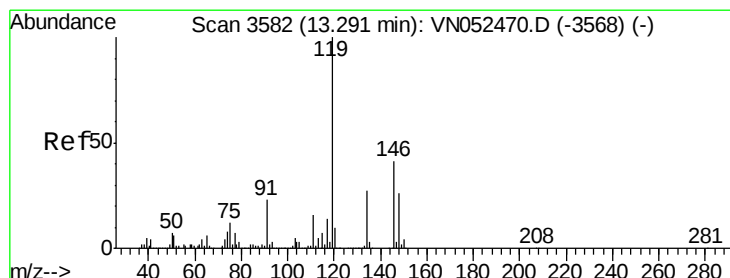
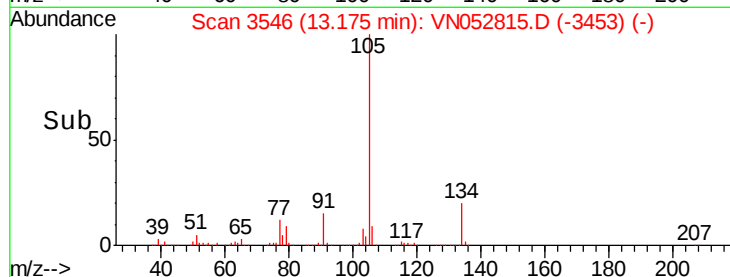
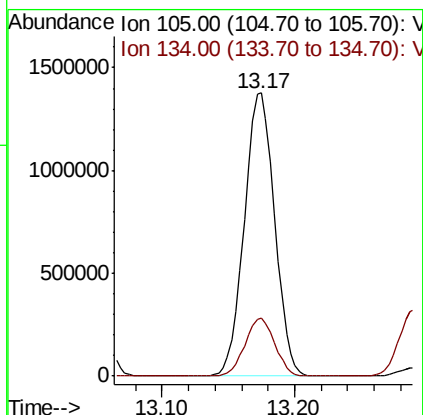
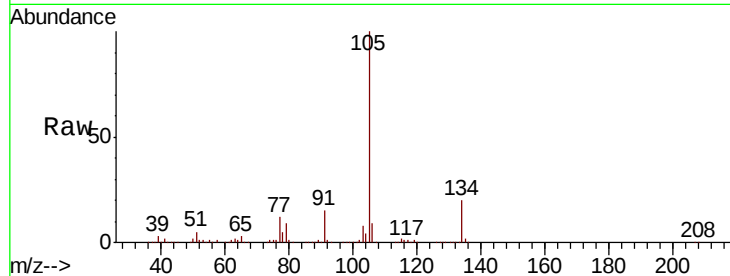




#85
 sec-Butylbenzene
 Concen: 47.339 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

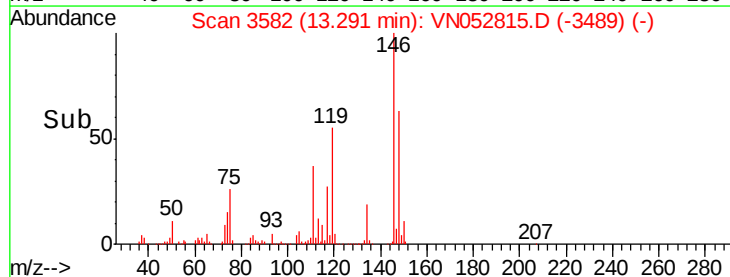
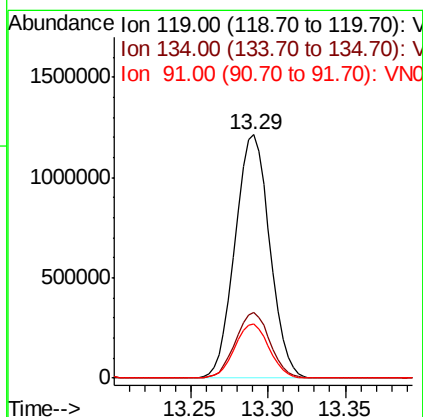
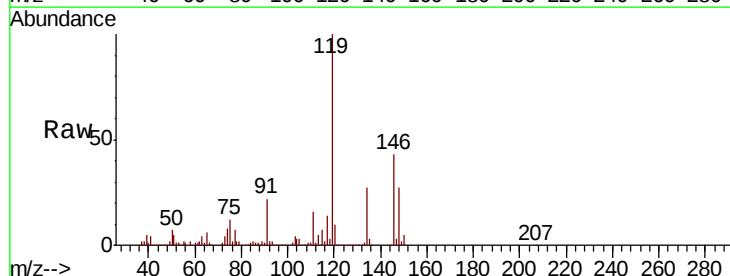
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

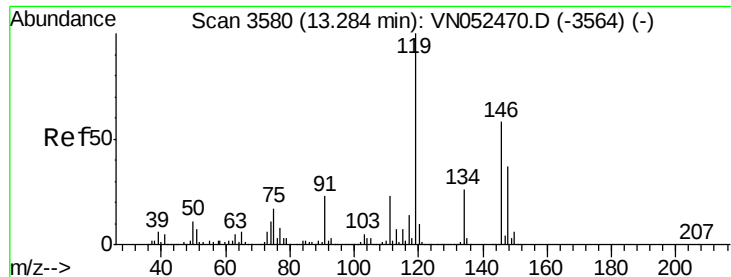
Tot Ion:105 Resp: 2184975
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 48.082 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion:119 Resp: 1890190
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 22.1 11.4 34.2

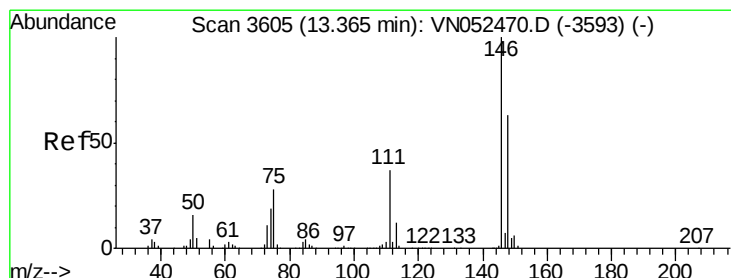
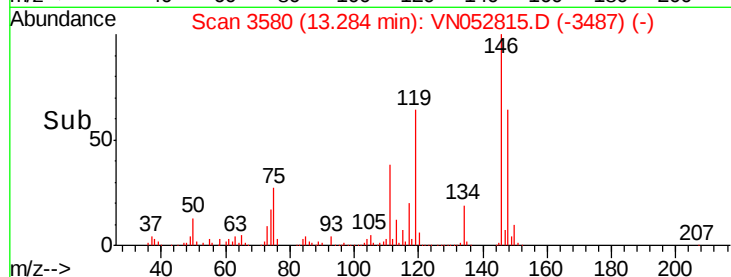
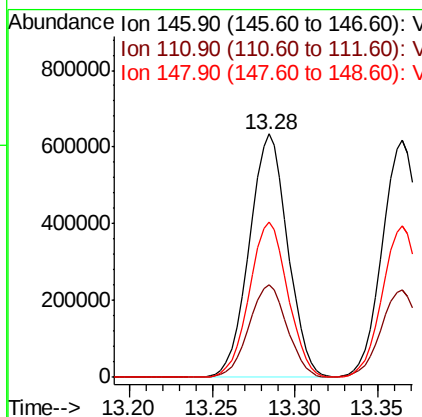
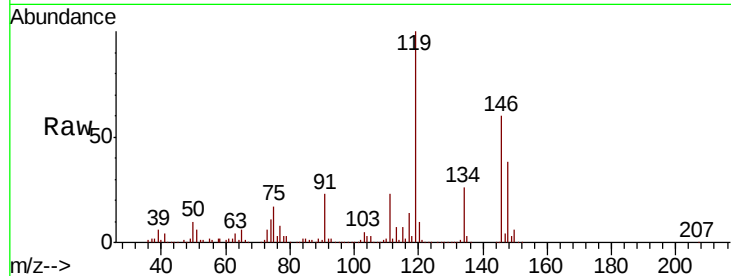




#87
 1,3-Dichlorobenzene
 Concen: 49.503 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

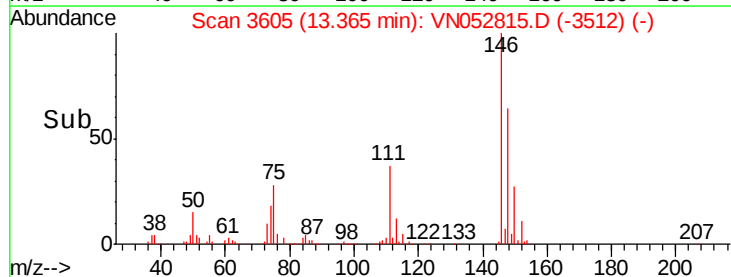
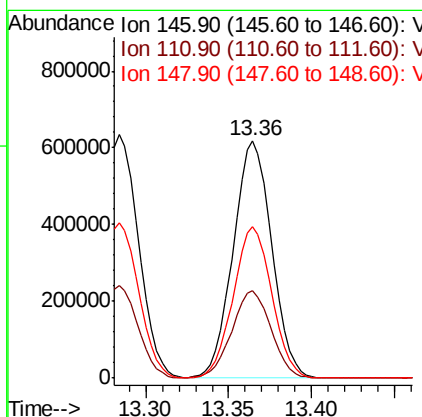
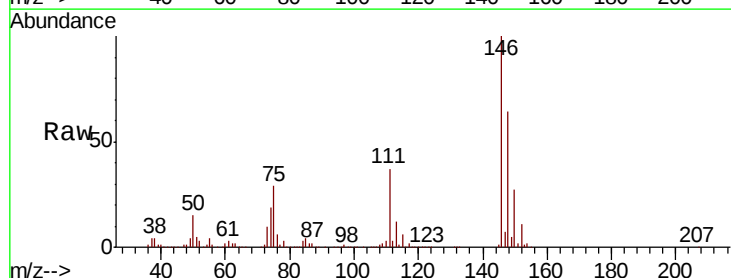
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

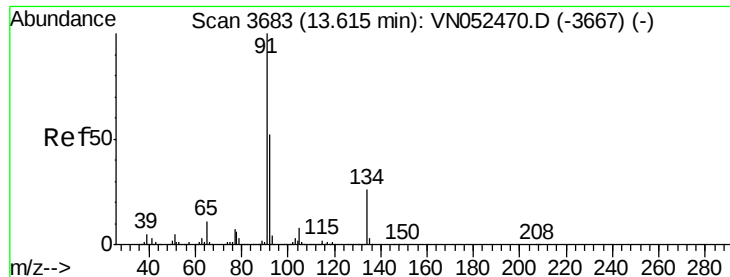
Tot Ion:146 Resp: 1020076
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 63.9 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 49.227 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion:146 Resp: 999194
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 56.0
 148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 48.765 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052815.D

Acq: 11 Dec 2018 21:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

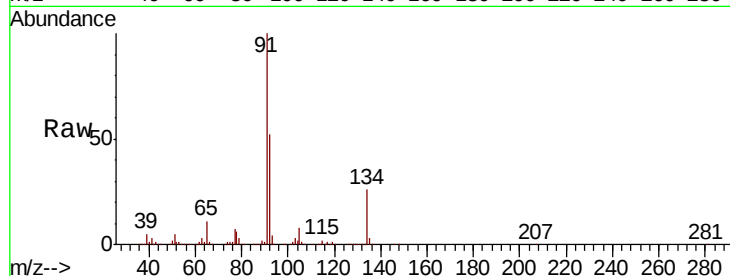
Tot Ion: 91 Resp: 1594302

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.3

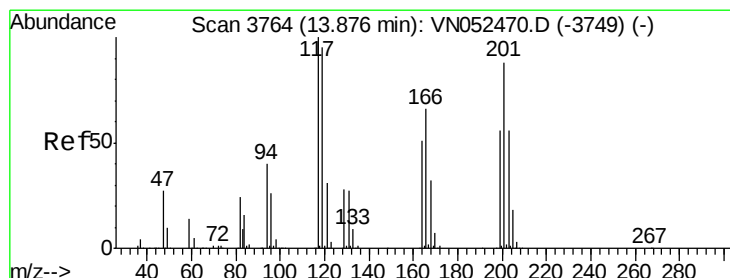
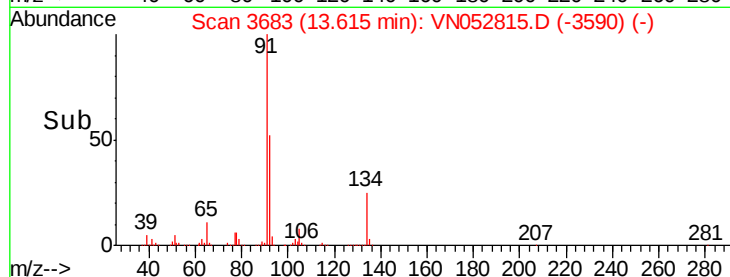
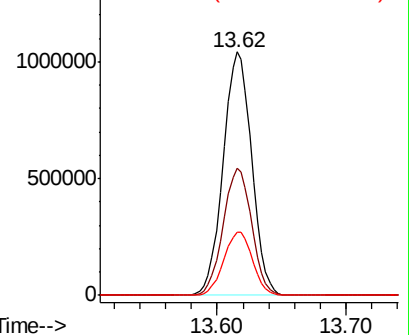
134 26.3 13.0 38.9



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

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

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



#90

Hexachloroethane

Concen: 47.427 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052815.D

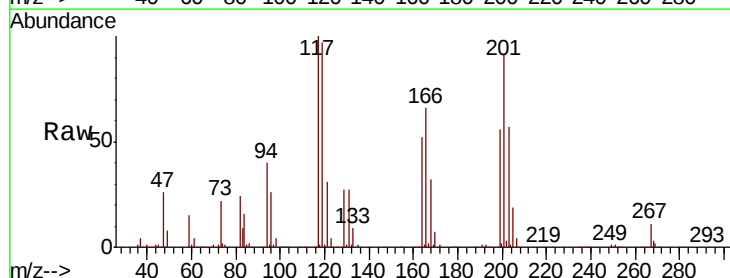
Acq: 11 Dec 2018 21:03

Tgt Ion: 117 Resp: 315690

Ion Ratio Lower Upper

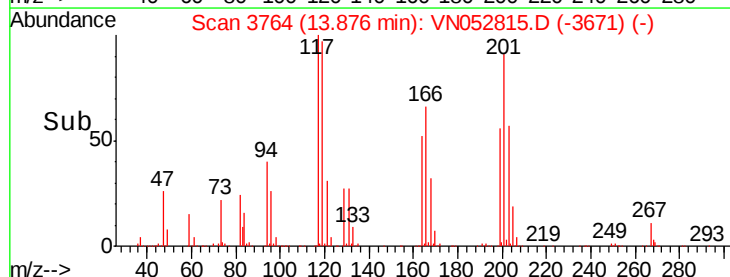
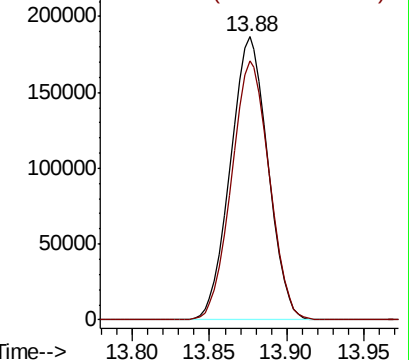
117 100

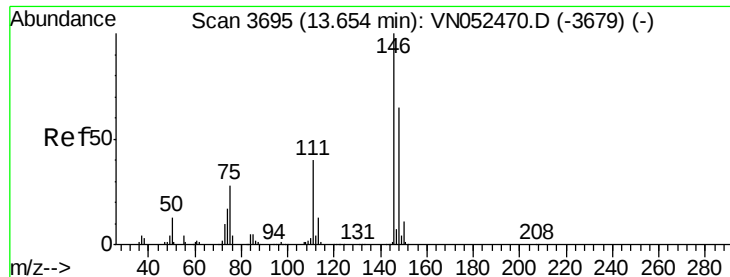
201 91.8 43.6 130.9



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

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

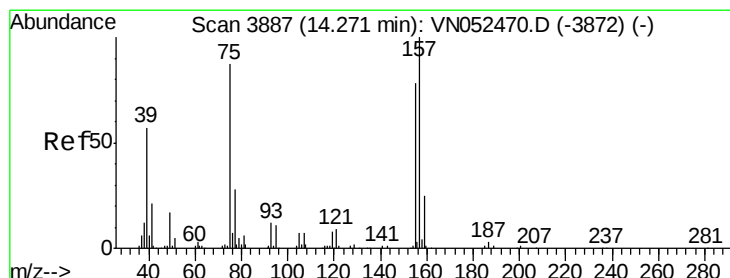
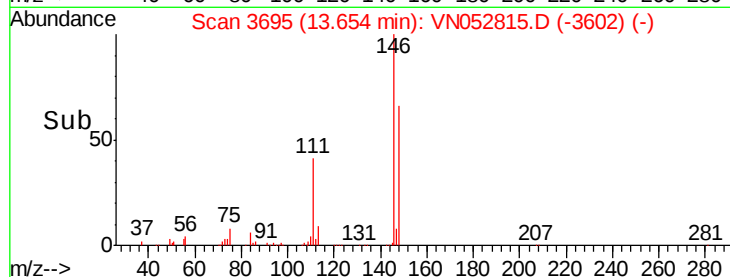
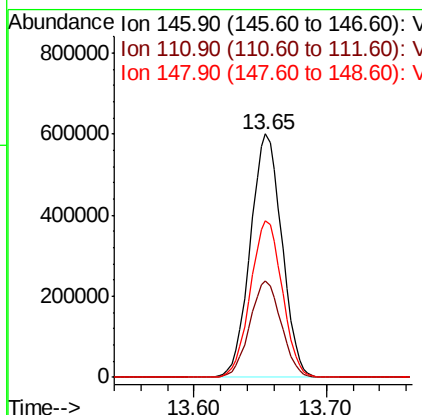
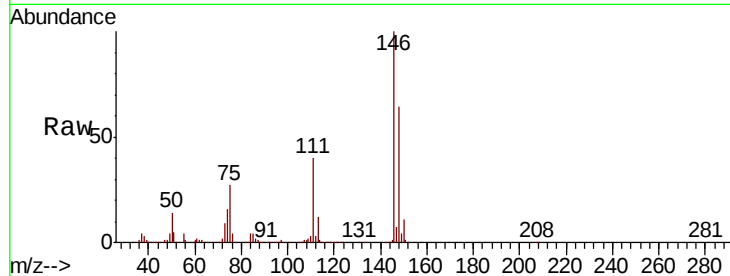




#91
 1,2-Dichlorobenzene
 Concen: 50.299 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

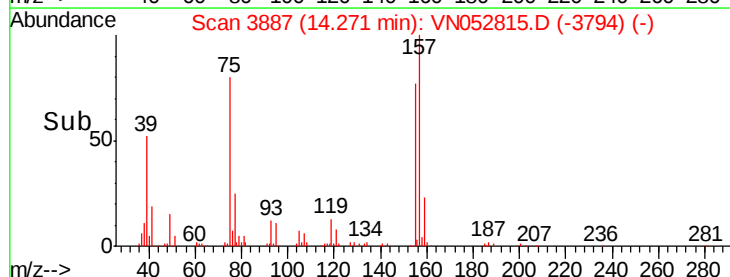
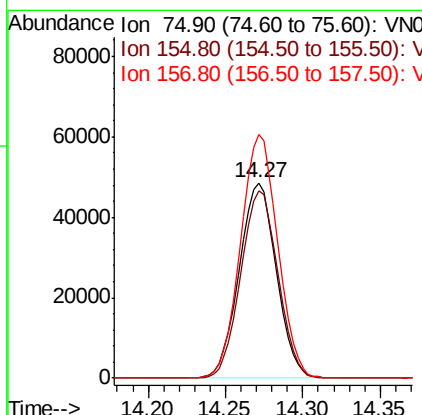
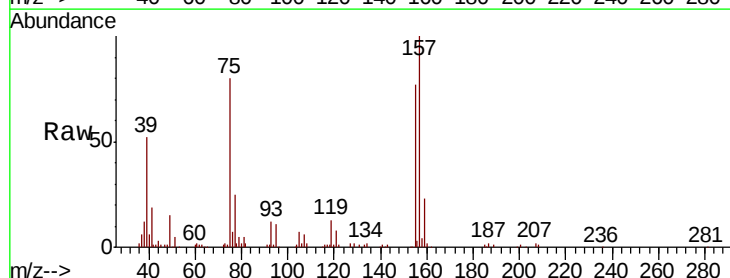
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.8	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.416 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	45.3	135.9
157	124.4	58.1	174.2

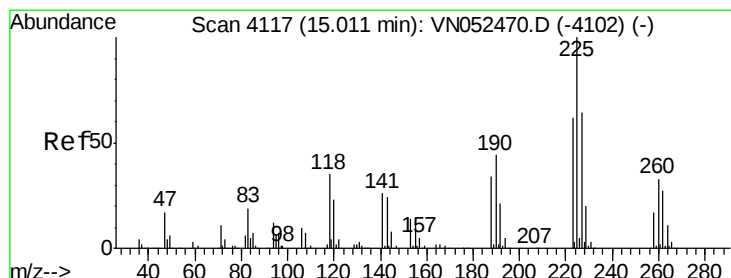
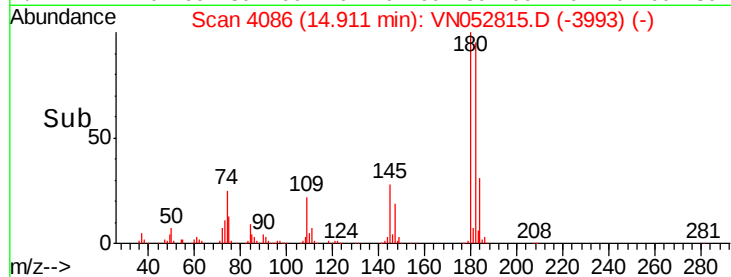
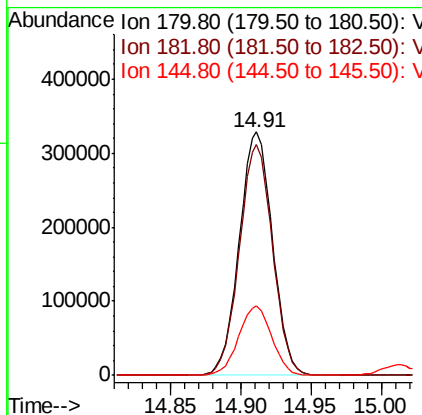
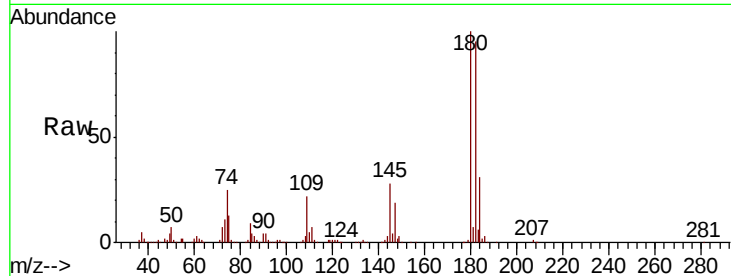




#93
 1,2,4-Trichlorobenzene
 Concen: 50.359 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

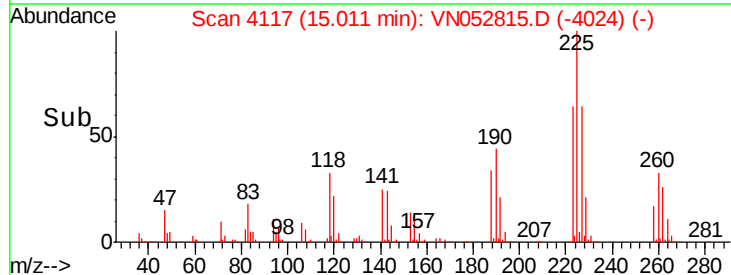
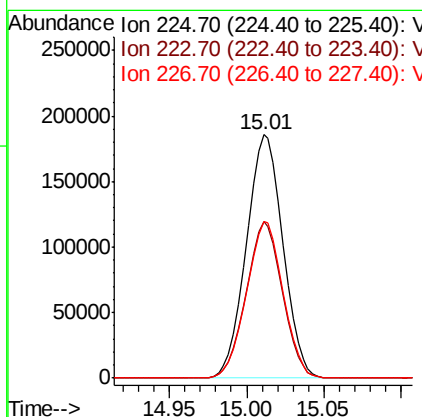
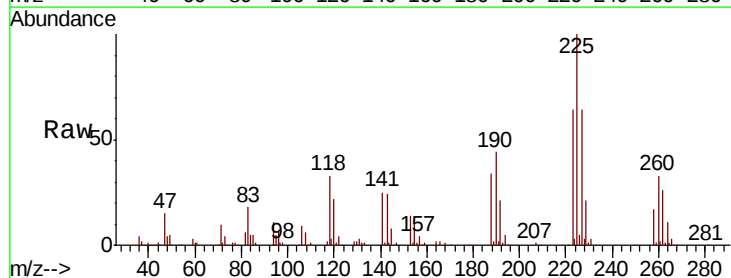
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

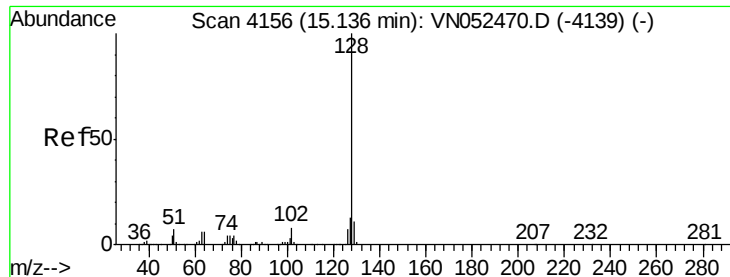
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.8	143.4
145	28.3	14.1	42.3



#94
 Hexachlorobutadiene
 Concen: 48.273 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052815.D
 Acq: 11 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.4	94.2
227	64.0	32.5	97.4

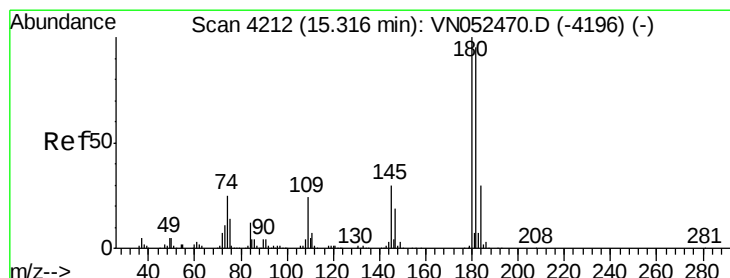
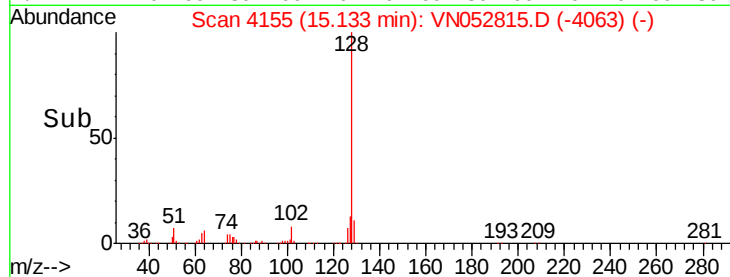
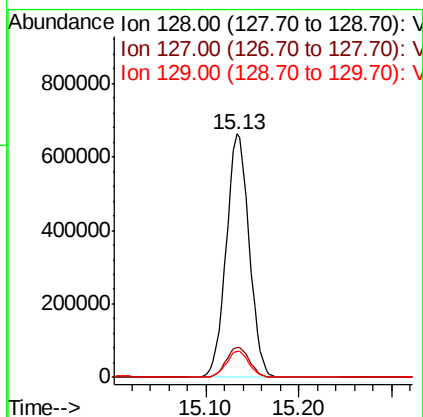
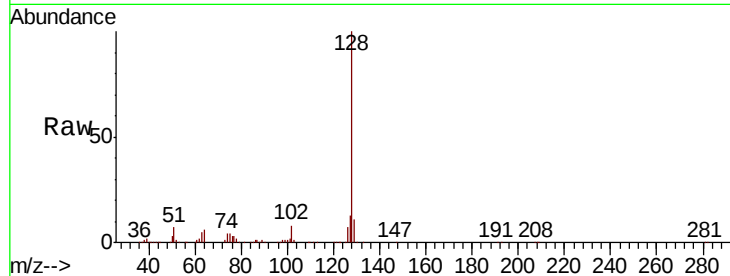




#95
Naphthalene
Concen: 49.639 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 1134697
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.2
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 49.915 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052815.D
Acq: 11 Dec 2018 21:03

Tgt Ion:180 Resp: 494909
Ion Ratio Lower Upper
180 100
182 95.7 47.8 143.3
145 30.3 15.2 45.5

