

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110218\
 Data File : VN052115.D
 Acq On : 2 Nov 2018 8:48
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 02 23:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	335013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	579329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	243428	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	215623	40.11	ug/l	0.00
Spiked Amount			Recovery	=	80.22%	
35) Dibromofluoromethane	7.59	113	184202	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
50) Toluene-d8	10.09	98	714695	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	254368	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	200837	49.320	ug/l	99
3) Chloromethane	2.06	50	223569	43.562	ug/l	98
4) Vinyl Chloride	2.19	62	234451	42.443	ug/l	96
5) Bromomethane	2.57	94	155591	37.549	ug/l	89
6) Chloroethane	2.71	64	147068	41.236	ug/l	95
7) Trichlorofluoromethane	3.02	101	310119	49.160	ug/l	100
8) Diethyl Ether	3.41	74	104465	44.392	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.76	101	182329	48.992	ug/l	96
10) Methyl Iodide	3.96	142	241191	49.453	ug/l	97
11) Tert butyl alcohol	4.79	59	55758	207.118	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	165984	47.228	ug/l	92
13) Acrolein	3.61	56	40025	157.644	ug/l	96
14) Allyl chloride	4.33	41	282703	40.194	ug/l	92
15) Acrylonitrile	4.99	53	336226	218.468	ug/l	99
16) Acetone	3.82	43	270618	235.828	ug/l	99
17) Carbon Disulfide	4.06	76	499899	45.140	ug/l	98
18) Methyl Acetate	4.33	43	162323	44.435	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	500587	43.364	ug/l	99
20) Methylene Chloride	4.55	84	201245	46.025	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	189635	47.321	ug/l	97
22) Diisopropyl ether	5.95	45	653235	42.969	ug/l	98
23) Vinyl Acetate	5.90	43	2329021	221.110	ug/l	98
24) 1,1-Dichloroethane	5.85	63	366483	43.112	ug/l	98
25) 2-Butanone	6.83	43	412453	229.160	ug/l	99
26) 2,2-Dichloropropane	6.83	77	298996	44.288	ug/l	95
27) cis-1,2-Dichloroethene	6.83	96	219530	45.871	ug/l	96
28) Bromochloromethane	7.20	49	166397	39.498	ug/l	88
29) Tetrahydrofuran	7.21	42	268169	223.644	ug/l	99
30) Chloroform	7.37	83	372014	43.842	ug/l	97
31) Cyclohexane	7.65	56	348725	43.905	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	324299	47.523	ug/l	97
36) 1,1-Dichloropropene	7.79	75	280876	47.681	ug/l	96
37) Ethyl Acetate	6.93	43	182656	46.326	ug/l	97
38) Carbon Tetrachloride	7.78	117	289586	57.014	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	350594	50.153	ug/l	96
40) Benzene	8.04	78	847577	49.744	ug/l	99
41) Methacrylonitrile	7.18	41	101842	50.054	ug/l #	87
42) 1,2-Dichloroethane	8.12	62	276234	43.932	ug/l	97
43) Isopropyl Acetate	8.17	43	334005	47.629	ug/l	100
44) Trichloroethene	8.84	130	210739	55.305	ug/l	91
45) 1,2-Dichloropropane	9.12	63	220445	45.418	ug/l	100
46) Dibromomethane	9.21	93	139470	51.414	ug/l	92
47) Bromodichloromethane	9.40	83	285173	50.404	ug/l	92
48) Methyl methacrylate	9.20	41	166423	46.808	ug/l	98
49) 1,4-Dioxane	9.20	88	29628	993.967	ug/l	88
51) 4-Methyl-2-Pentanone	9.99	43	930378	244.091	ug/l	100
52) Toluene	10.16	92	521890	50.741	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	293117	49.003	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	336574	50.666	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	186747	50.977	ug/l	97
56) Ethyl methacrylate	10.43	69	255196	48.700	ug/l	97
57) 1,3-Dichloropropane	10.71	76	323305	47.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	677420	243.034	ug/l	96
59) 2-Hexanone	10.75	43	669965	246.653	ug/l	99
60) Dibromochloromethane	10.90	129	210238	58.295	ug/l	99
61) 1,2-Dibromoethane	11.01	107	192149	52.763	ug/l	99
64) Tetrachloroethene	10.63	164	179733	55.282	ug/l	98
65) Chlorobenzene	11.43	112	583811	51.649	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	202653	57.097	ug/l	99
67) Ethyl Benzene	11.51	91	1018482	50.526	ug/l	97
68) m/p-Xylenes	11.62	106	782652	108.476	ug/l	95
69) o-Xylene	11.95	106	376576	52.746	ug/l	97
70) Styrene	11.96	104	625715	54.166	ug/l	97
71) Bromoform	12.13	173	121001	52.918	ug/l #	99
73) Isopropylbenzene	12.25	105	1014587	48.739	ug/l	97
74) N-amyl acetate	12.07	43	312491	43.015	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	226705	45.417	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	297085	66.670	ug/l #	100
77) Bromobenzene	12.53	156	228604	52.487	ug/l	83
78) n-propylbenzene	12.59	91	1188800	47.130	ug/l	97
79) 2-Chlorotoluene	12.67	91	679575	46.216	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	820405	48.431	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63570	47.351	ug/l	99
82) 4-Chlorotoluene	12.77	91	703554	46.921	ug/l	94
83) tert-Butylbenzene	12.99	119	701046	49.266	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	825788	48.976	ug/l	98
85) sec-Butylbenzene	13.17	105	986253	48.518	ug/l	97
86) p-Isopropyltoluene	13.29	119	841232	50.814	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	413620	52.074	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	410968	51.623	ug/l	97
89) n-Butylbenzene	13.62	91	727173	46.058	ug/l	96
90) Hexachloroethane	13.87	117	143372	50.534	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	398444	53.355	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32212	44.867	ug/l	81

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration

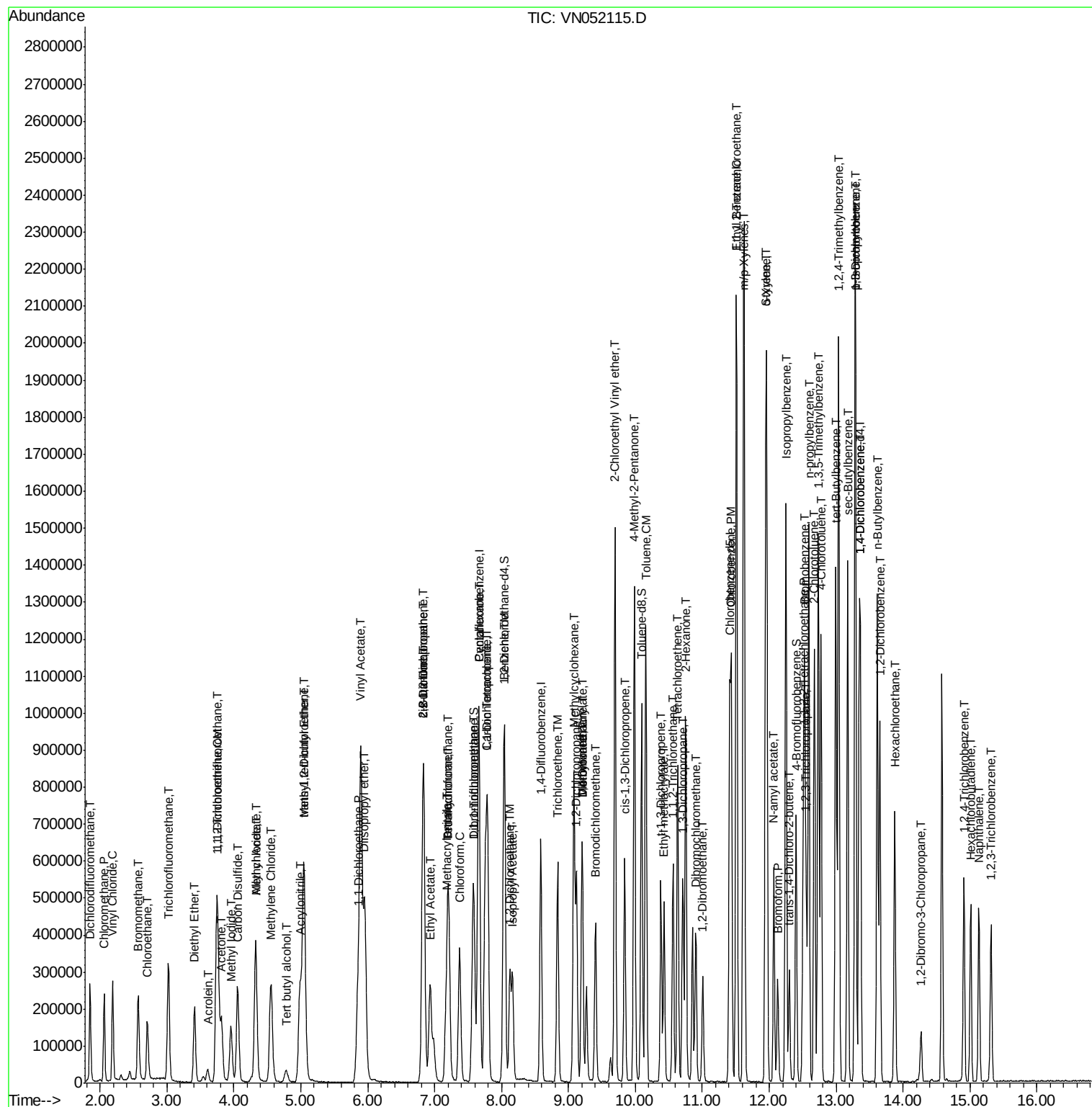
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161070	57.922	ug/l	97
94) Hexachlorobutadiene	15.01	225	79907	51.341	ug/l	97
95) Naphthalene	15.13	128	390077	55.926	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	138215	57.597	ug/l	99

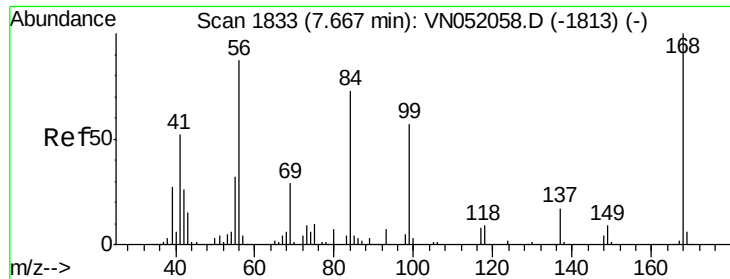
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

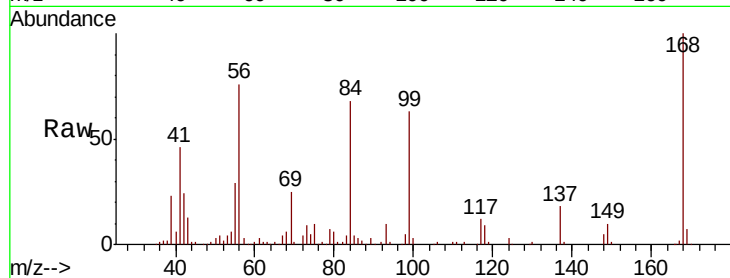
VSTDCCC050

Tot Ion:168 Resp: 335013

Ion Ratio Lower Upper

168 100

99 63.1 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

100000

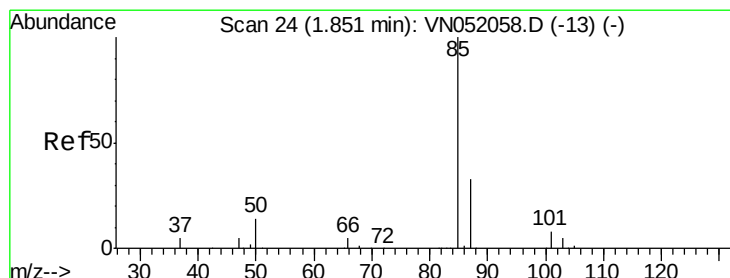
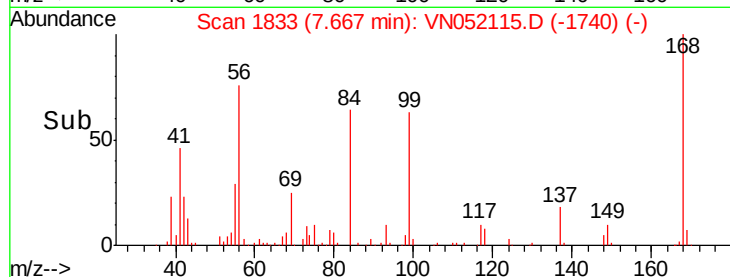
50000

0

7.67

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.320 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052115.D

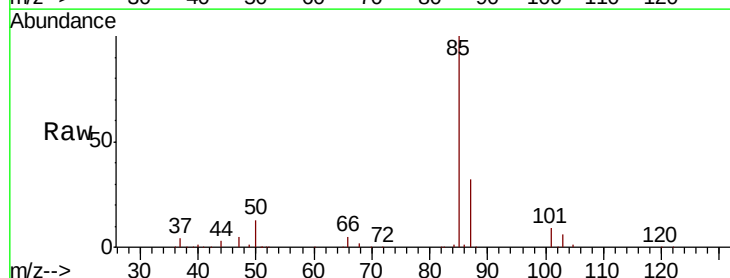
Acq: 2 Nov 2018 8:48

Tgt Ion: 85 Resp: 200837

Ion Ratio Lower Upper

85 100

87 32.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

150000

100000

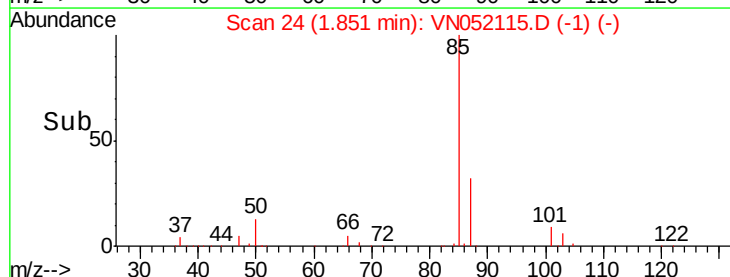
50000

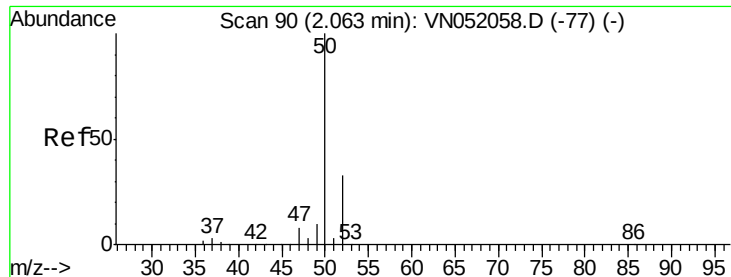
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.562 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

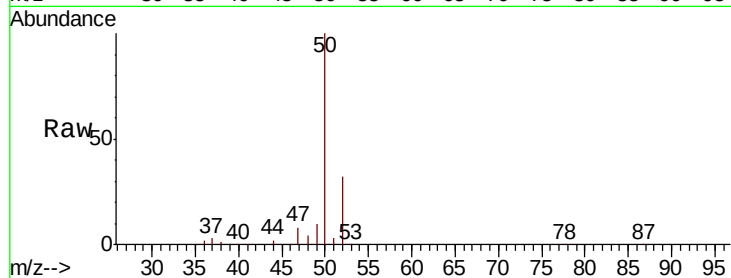
VSTDCCC050

Tot Ion: 50 Resp: 223569

Ion Ratio Lower Upper

50 100

52 32.2 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VN052115.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052115.D (-1) (-)

2.06

150000

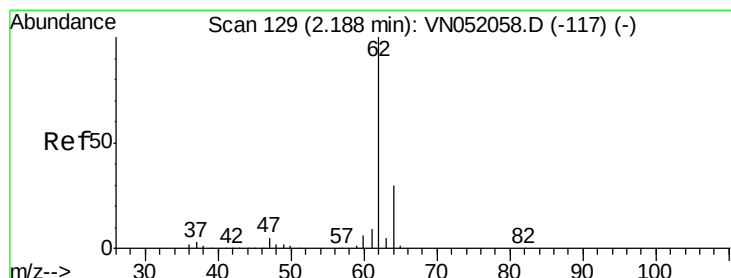
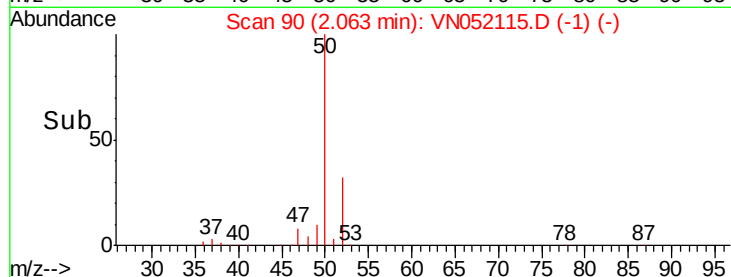
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 42.443 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052115.D

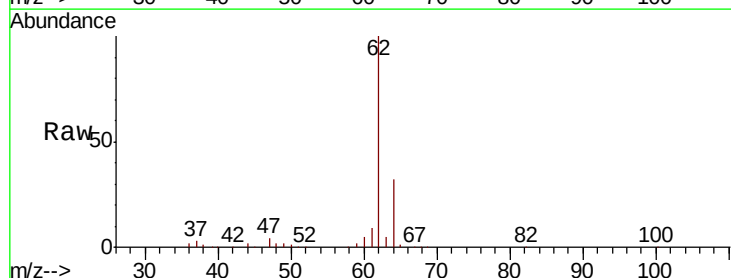
Acq: 2 Nov 2018 8:48

Tgt Ion: 62 Resp: 234451

Ion Ratio Lower Upper

62 100

64 31.8 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN052115.D (-36) (-)

Ion 63.90 (63.60 to 64.60): VN052115.D (-36) (-)

2.19

150000

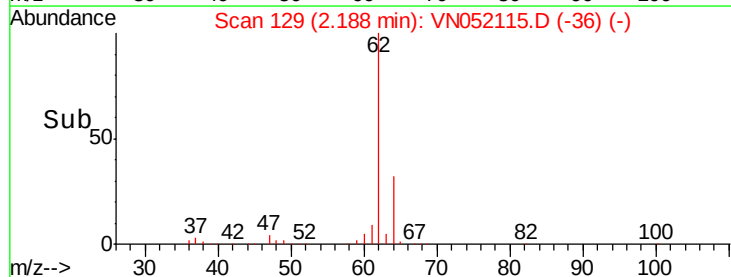
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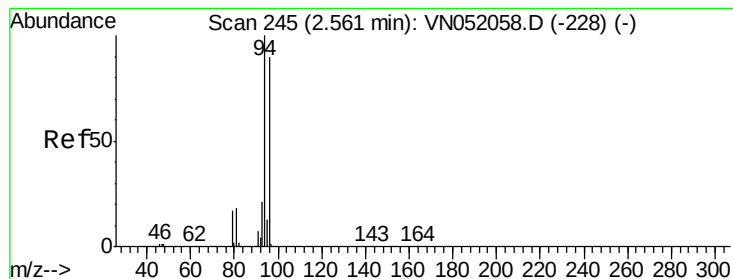
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 37.549 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

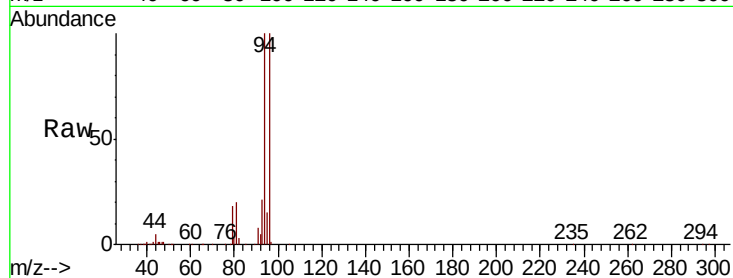
VSTDCCC050

Tot Ion: 94 Resp: 155591

Ion Ratio Lower Upper

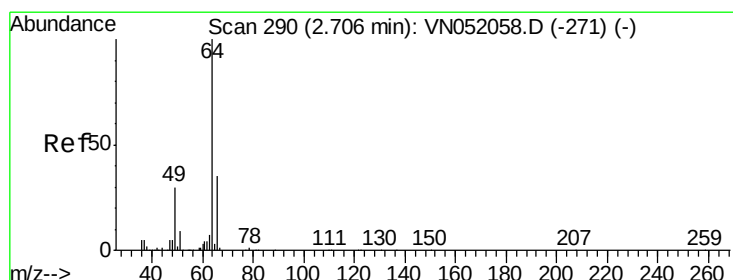
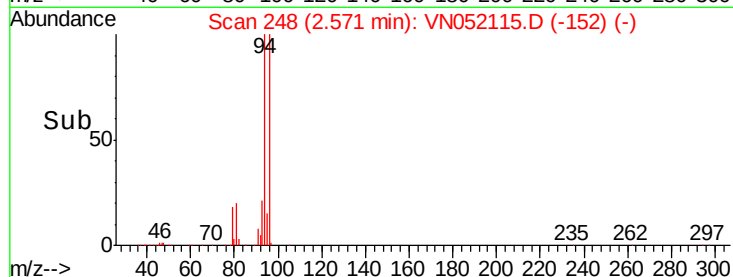
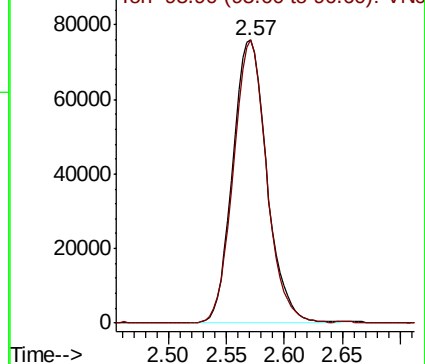
94 100

96 100.0 71.8 107.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 41.236 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN052115.D

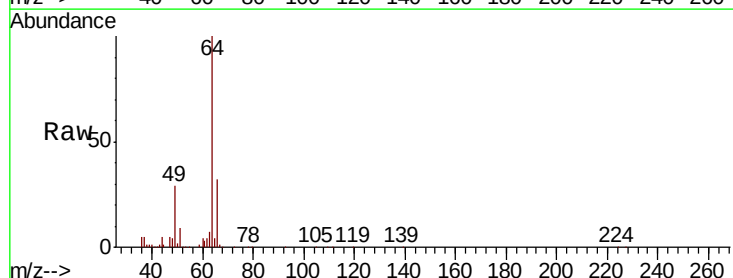
Acq: 2 Nov 2018 8:48

Tgt Ion: 64 Resp: 147068

Ion Ratio Lower Upper

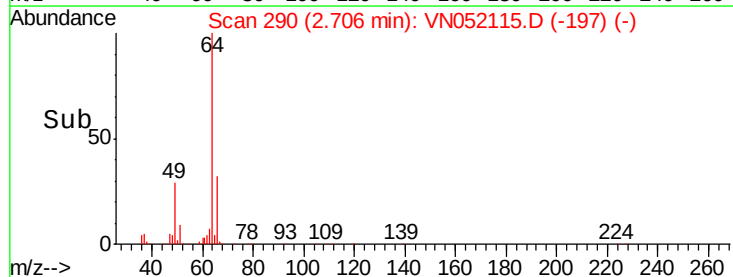
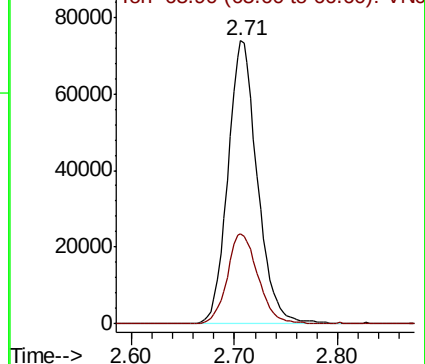
64 100

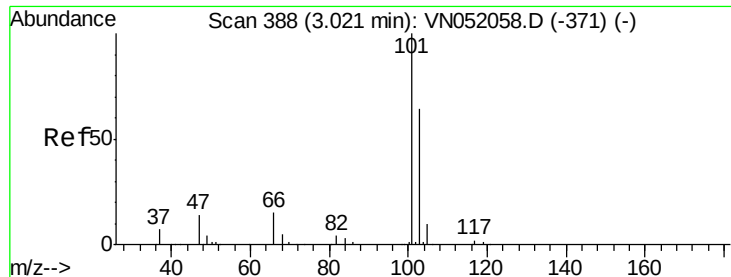
66 31.8 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



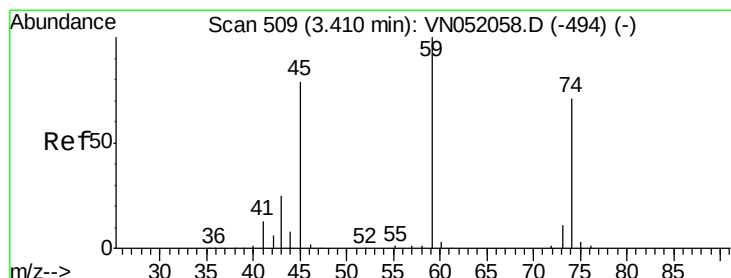
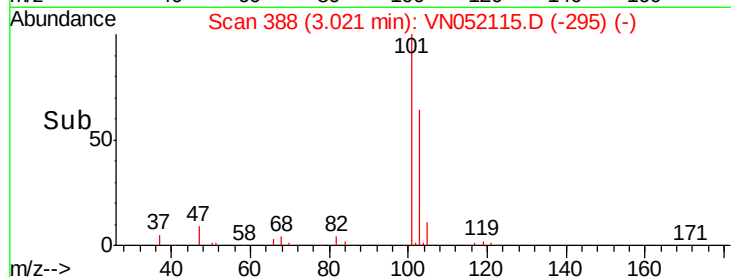
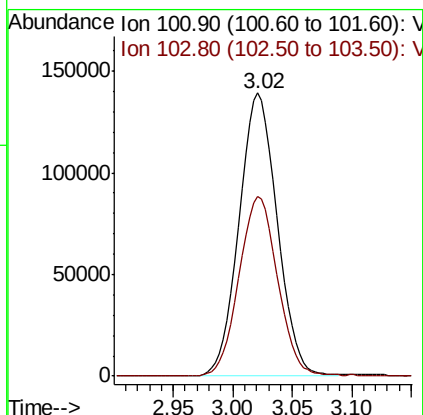
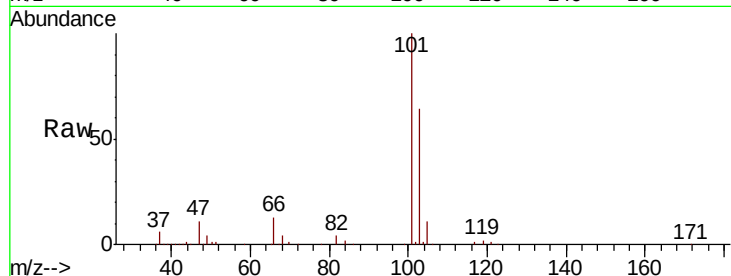


#7

Trichlorofluoromethane
 Concen: 49.160 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

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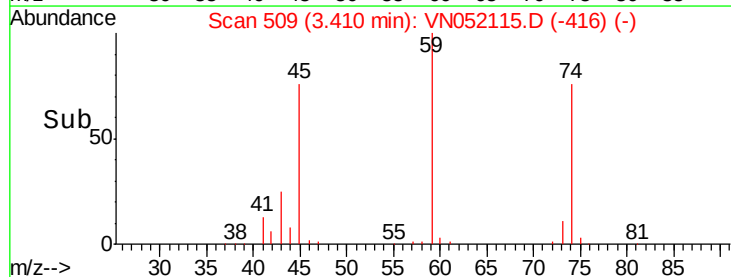
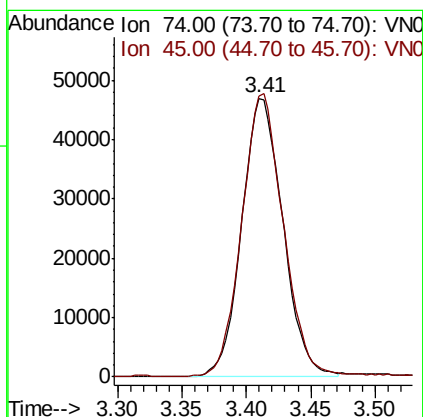
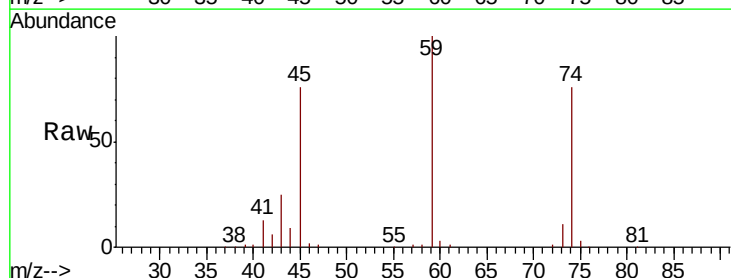
Tot Ion:101 Resp: 310119
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.4

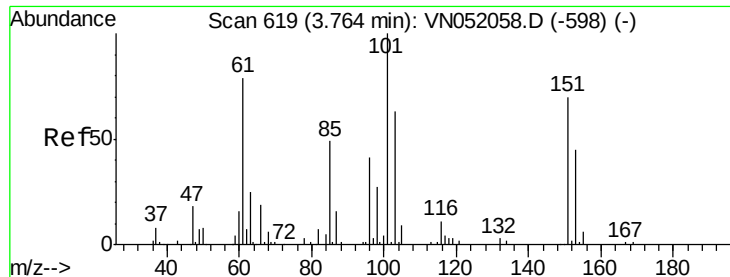


#8

Diethyl Ether
 Concen: 44.392 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 74 Resp: 104465
 Ion Ratio Lower Upper
 74 100
 45 102.7 55.6 166.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.992 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

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VSTDCCC050

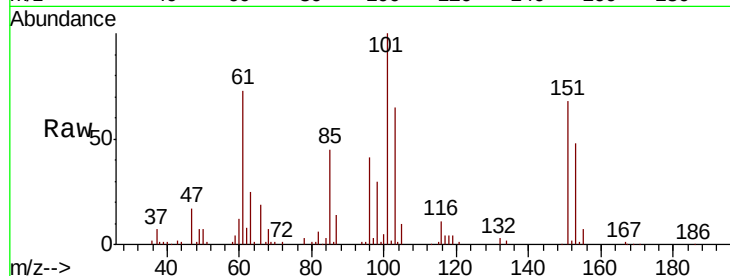
Tot Ion:101 Resp: 182329

Ion Ratio Lower Upper

101 100

85 45.9 38.6 58.0

151 69.4 52.6 78.8

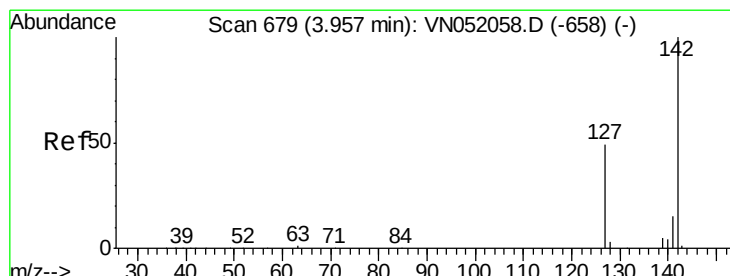
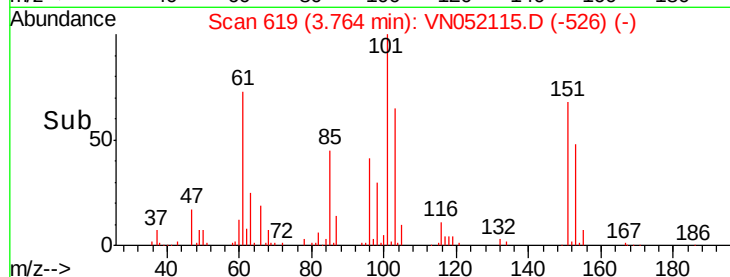
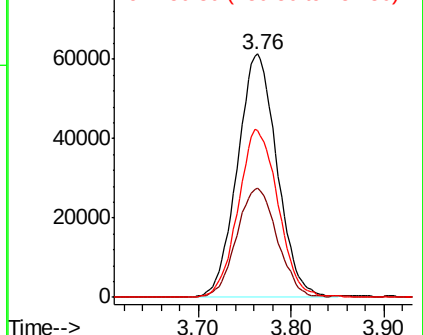


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 49.453 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

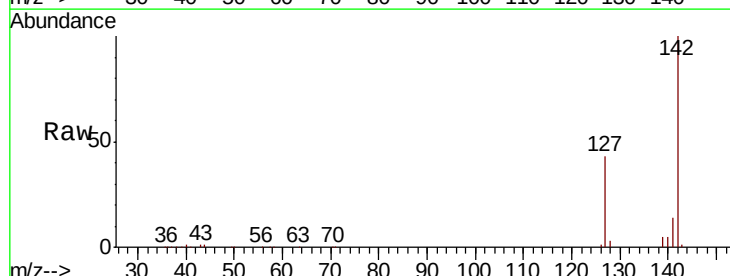
Tgt Ion:142 Resp: 241191

Ion Ratio Lower Upper

142 100

127 44.6 37.3 55.9

141 14.0 11.4 17.2

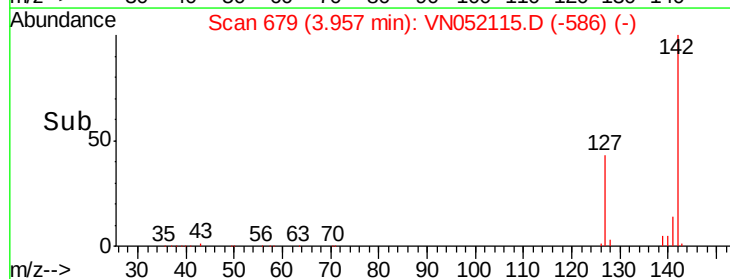
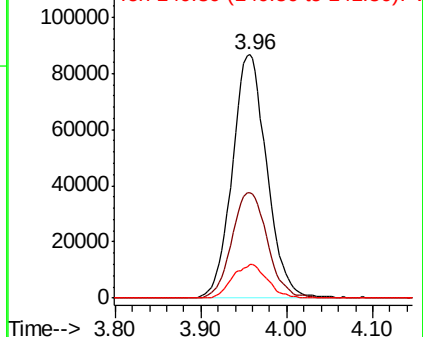


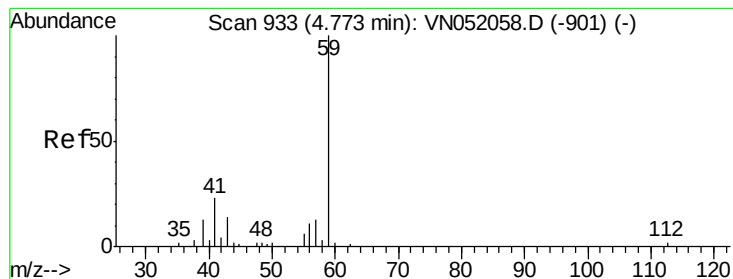
Abundance

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



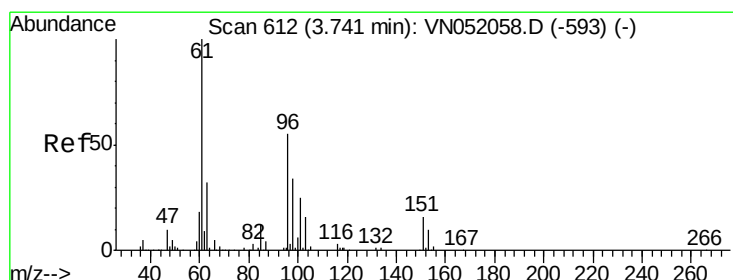
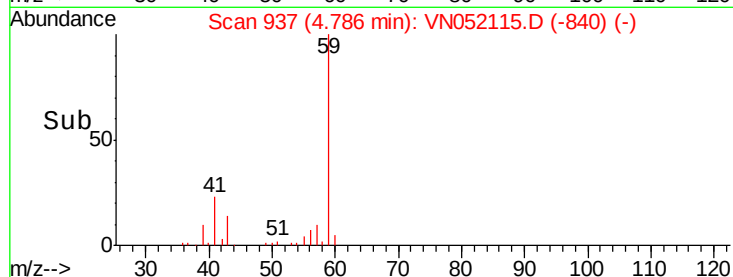
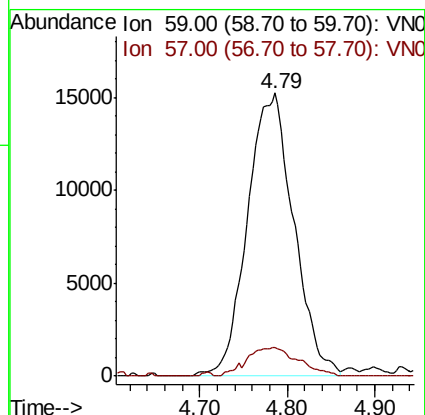
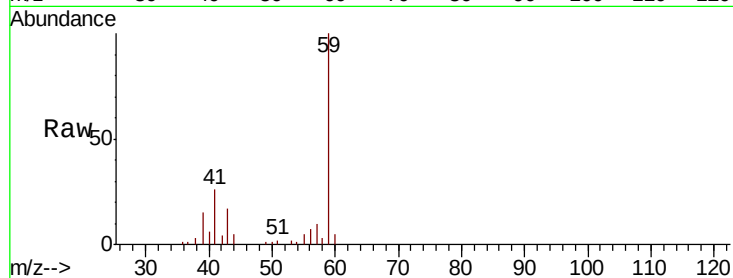


#11

Tert butyl alcohol
Concen: 207.118 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

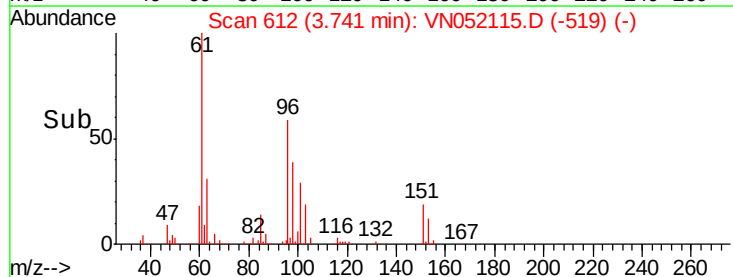
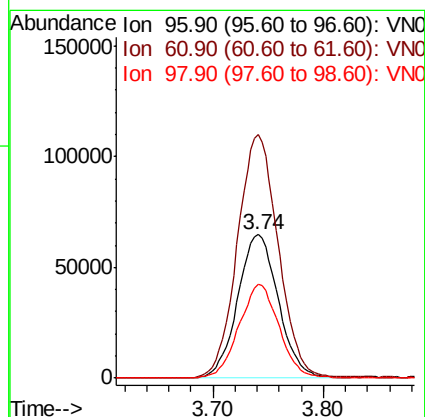
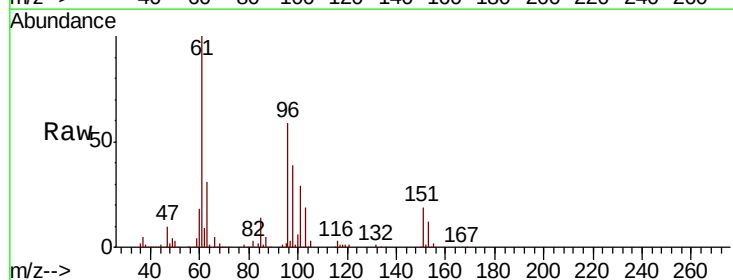
Tot Ion: 59 Resp: 55758
Ion Ratio Lower Upper
59 100
57 11.2 7.0 10.6#

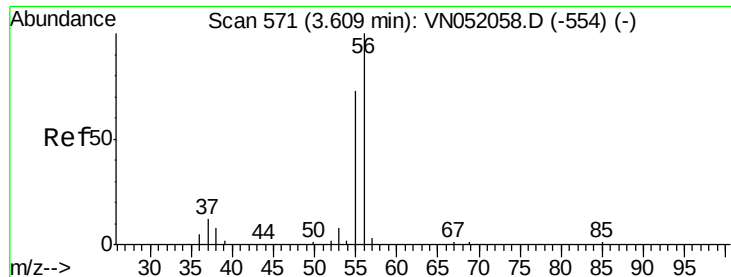


#12

1,1-Dichloroethene
Concen: 47.228 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 96 Resp: 165984
Ion Ratio Lower Upper
96 100
61 169.5 145.7 218.5
98 65.7 49.8 74.8





#13

Acrolein

Concen: 157.644 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

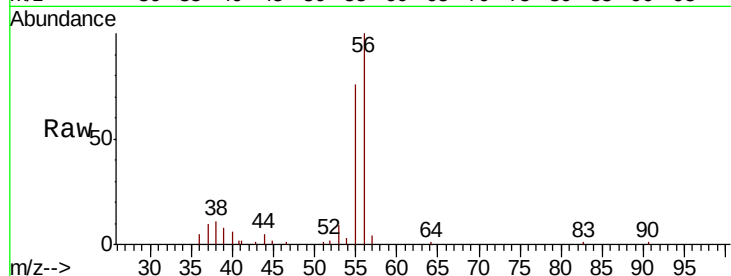
VSTDCCC050

Tot Ion: 56 Resp: 40025

Ion Ratio Lower Upper

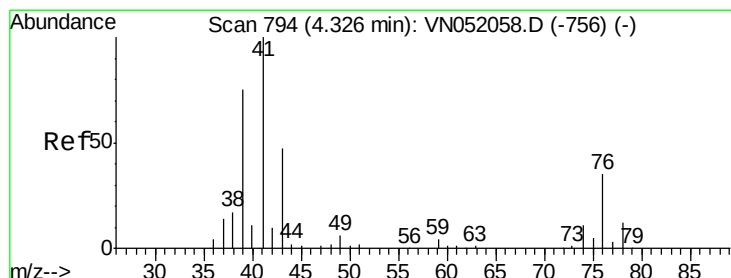
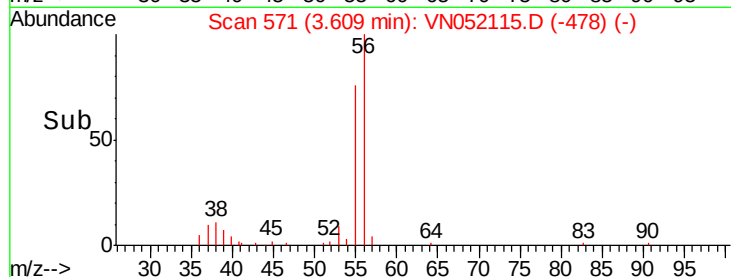
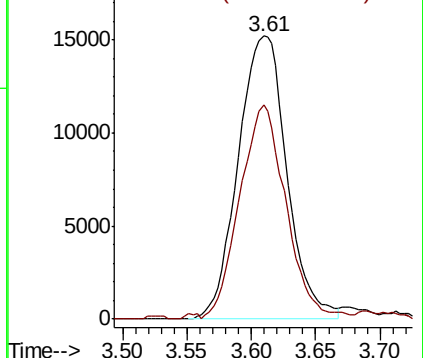
56 100

55 71.9 59.9 89.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 40.194 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

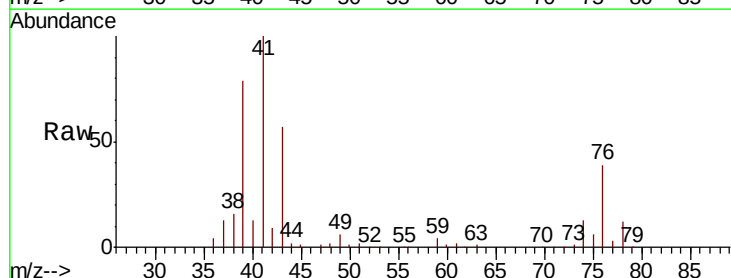
Tgt Ion: 41 Resp: 282703

Ion Ratio Lower Upper

41 100

39 78.5 58.1 87.1

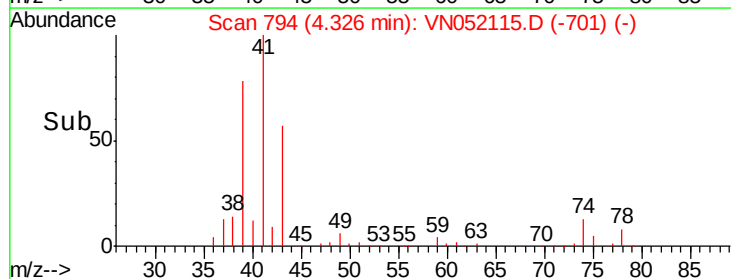
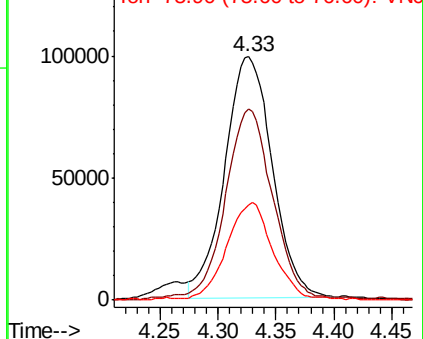
76 38.2 26.0 39.0

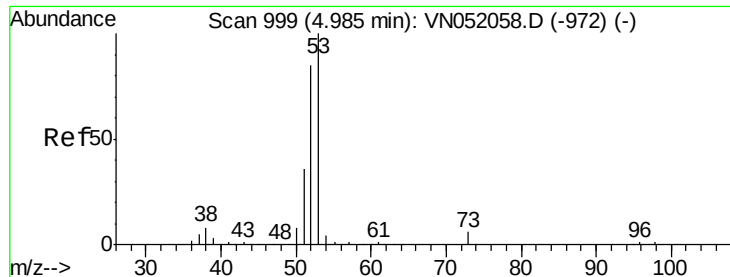


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 218.468 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

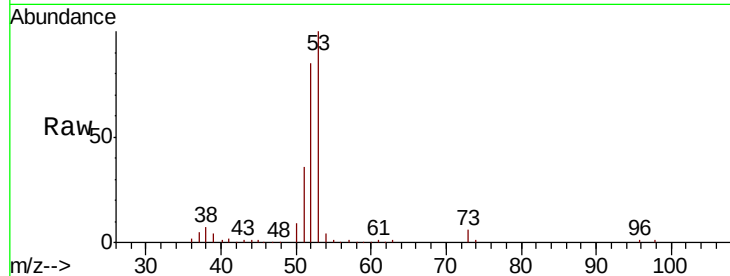
Tot Ion: 53 Resp: 336226

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 37.4 29.0 43.6

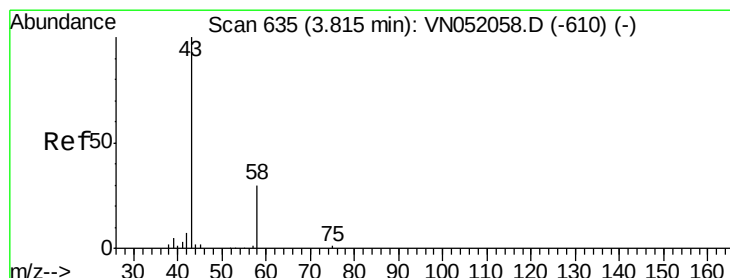
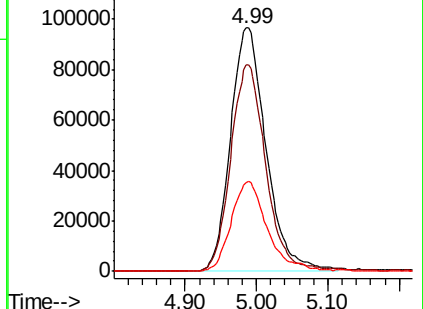
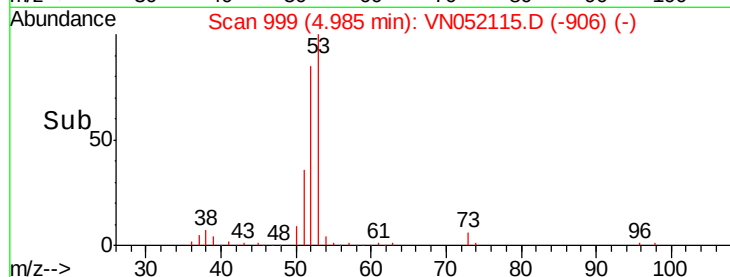


Abundance Ion 53.00 (52.70 to 53.70): VN052058.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN052058.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN052058.D (-972) (-)

Time-->



#16

Acetone

Concen: 235.828 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052115.D

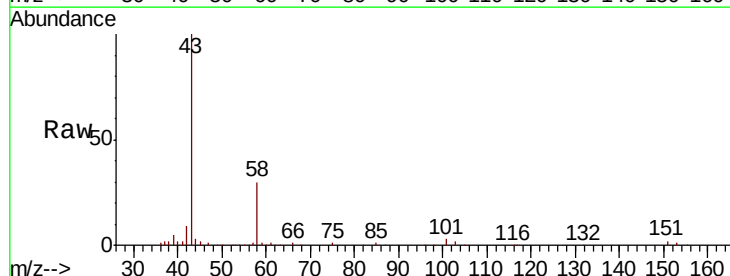
Acq: 2 Nov 2018 8:48

Tgt Ion: 43 Resp: 270618

Ion Ratio Lower Upper

43 100

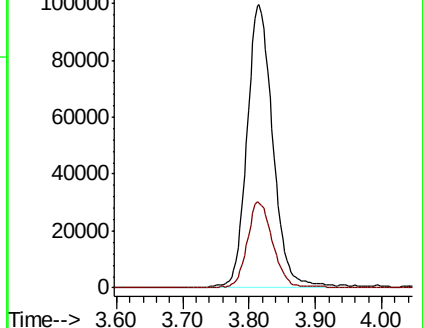
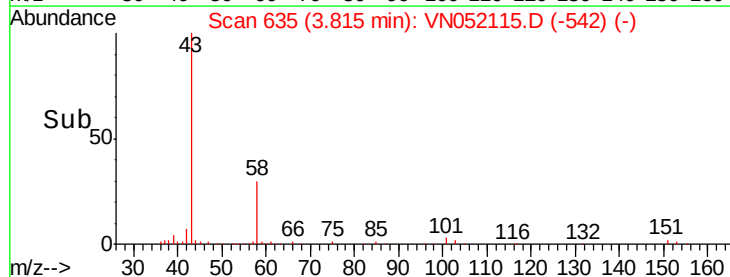
58 29.9 24.2 36.2

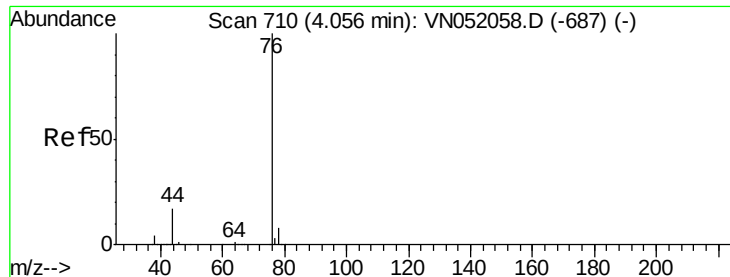


Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-610) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-610) (-)

Time-->





#17

Carbon Disulfide

Concen: 45.140 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

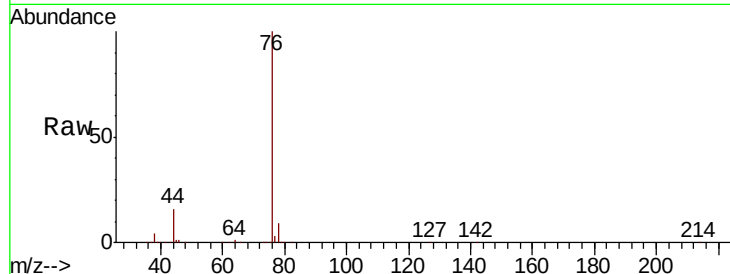
VSTDCCC050

Tot Ion: 76 Resp: 499899

Ion Ratio Lower Upper

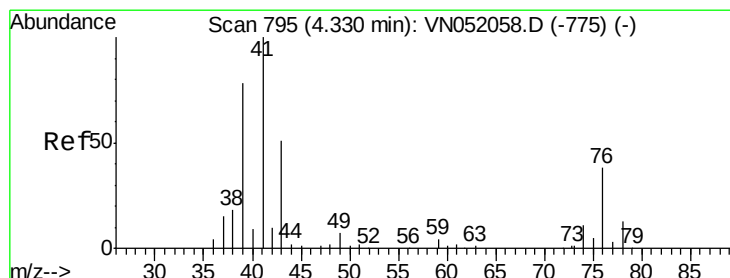
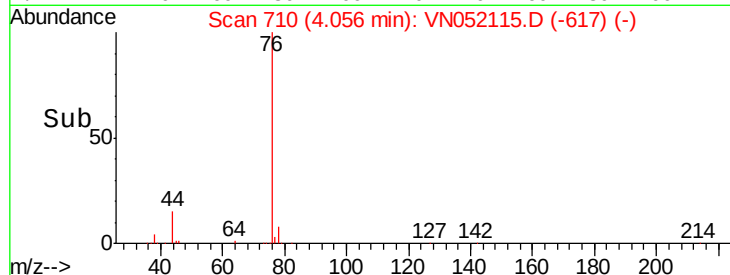
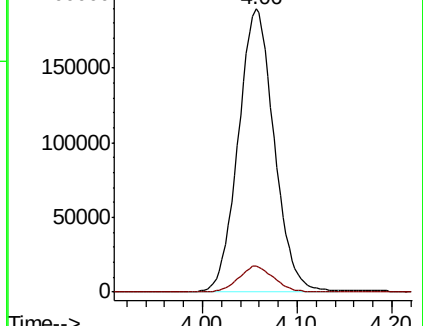
76 100

78 9.2 6.8 10.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 44.435 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052115.D

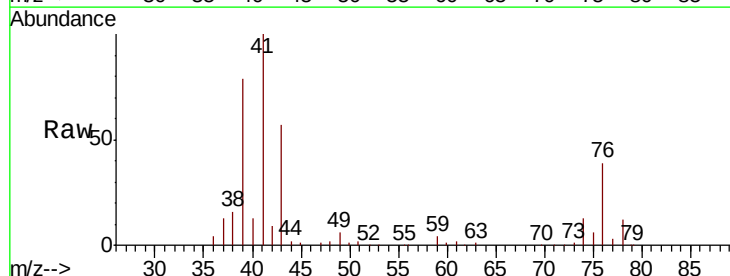
Acq: 2 Nov 2018 8:48

Tgt Ion: 43 Resp: 162323

Ion Ratio Lower Upper

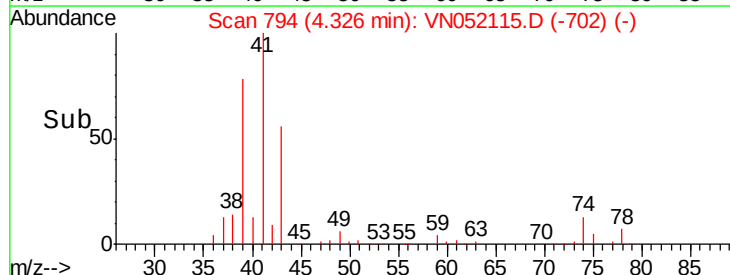
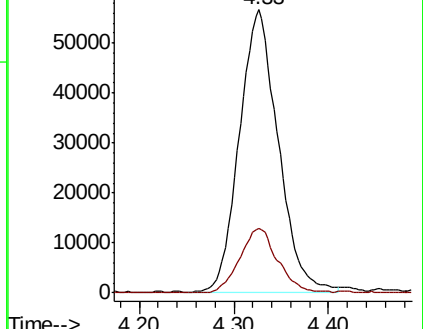
43 100

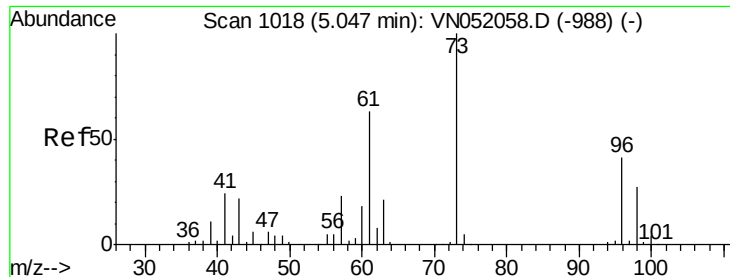
74 22.2 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methyl tert-butyl Ether

Concen: 43.364 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampled :

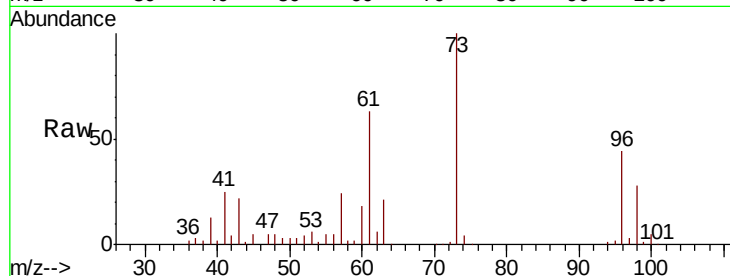
VSTDCCC050

Tot Ion: 73 Resp: 500587

Ion Ratio Lower Upper

73 100

57 23.7 18.7 28.1



Abundance Ion 73.00 (72.70 to 73.70): VN052115.D (-925) (-)

Ion 57.00 (56.70 to 57.70): VN052115.D (-925) (-)

5.05

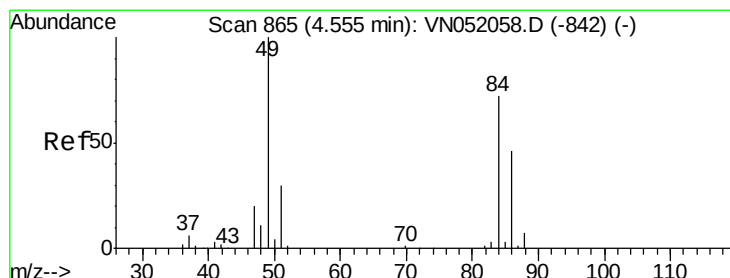
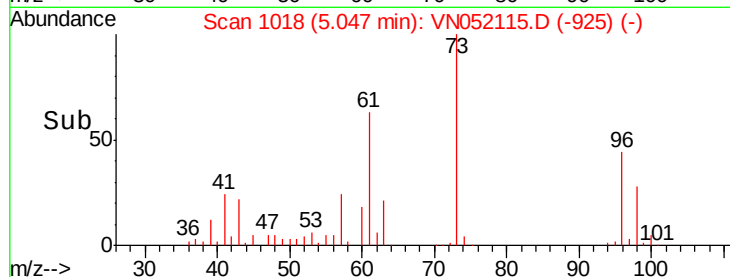
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 46.025 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion: 84 Resp: 201245

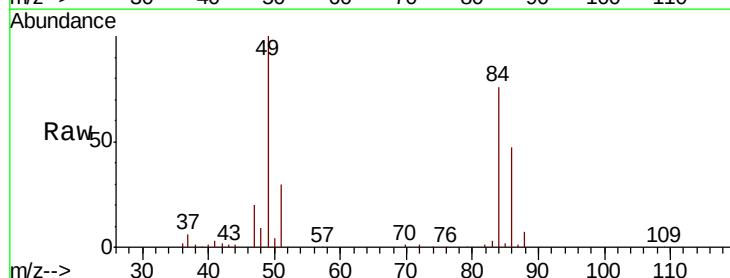
Ion Ratio Lower Upper

84 100

49 131.2 110.6 165.8

51 39.0 33.7 50.5

86 61.6 50.5 75.7



Abundance Ion 83.90 (83.60 to 84.60): VN052115.D (-772) (-)

Ion 48.90 (48.60 to 49.60): VN052115.D (-772) (-)

Ion 50.90 (50.60 to 51.60): VN052115.D (-772) (-)

Ion 85.90 (85.60 to 86.60): VN052115.D (-772) (-)

120000

100000

80000

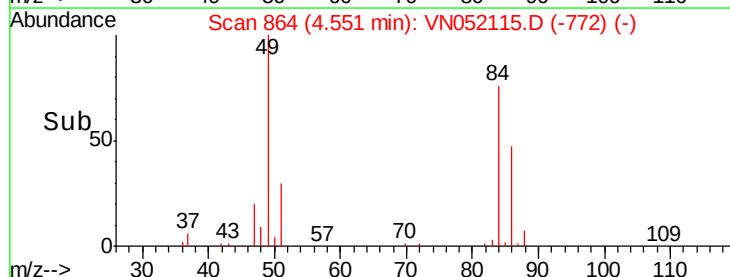
60000

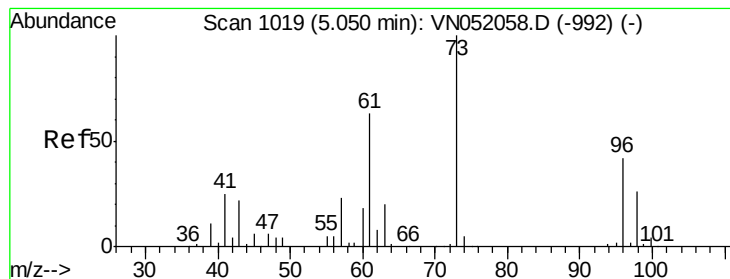
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 47.321 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

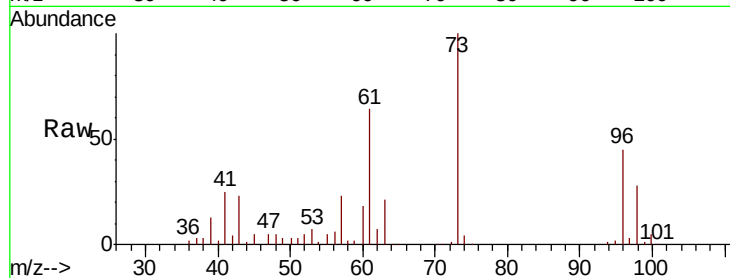
Tot Ion: 96 Resp: 189635

Ion Ratio Lower Upper

96 100

61 143.0 118.6 178.0

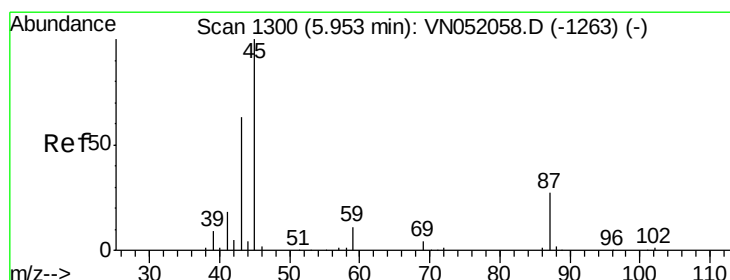
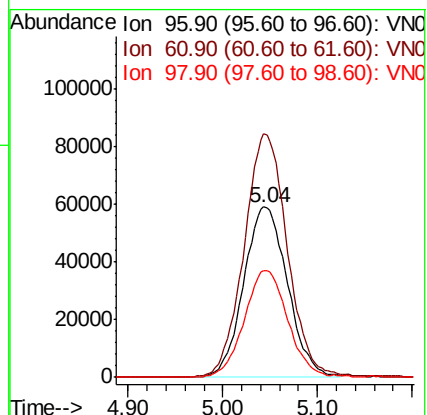
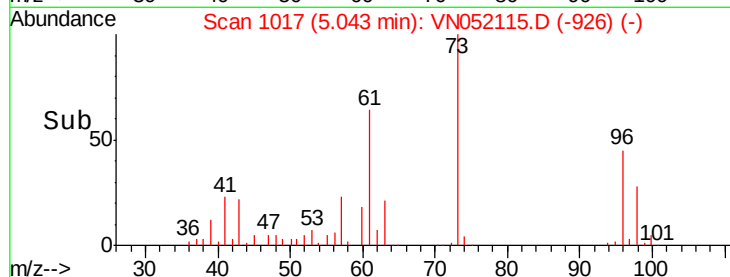
98 63.0 49.7 74.5



Abundance Ion 95.90 (95.60 to 96.60): VN052115.D (-926) (-)

Ion 60.90 (60.60 to 61.60): VN052115.D (-926) (-)

Ion 97.90 (97.60 to 98.60): VN052115.D (-926) (-)



#22

Diisopropyl ether

Concen: 42.969 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion: 45 Resp: 653235

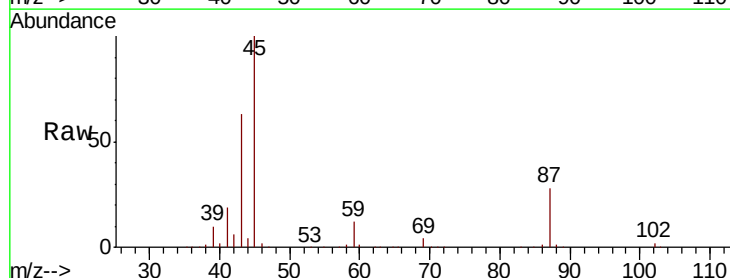
Ion Ratio Lower Upper

45 100

43 61.6 50.5 75.7

87 27.6 21.5 32.3

59 11.6 8.6 13.0

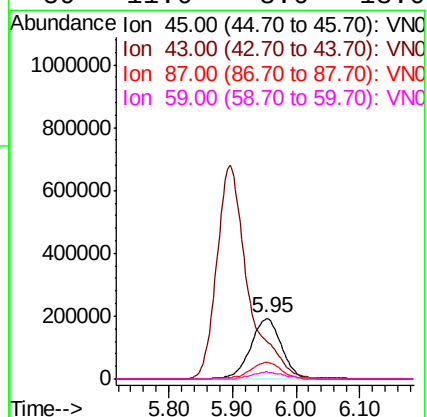
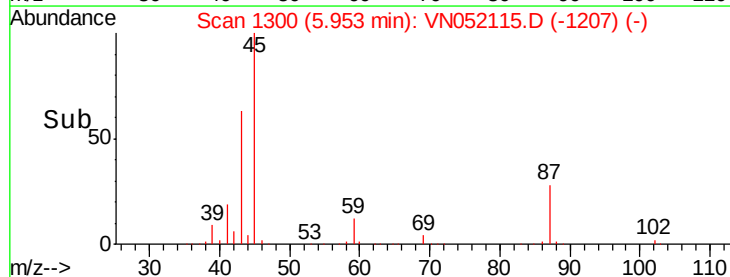


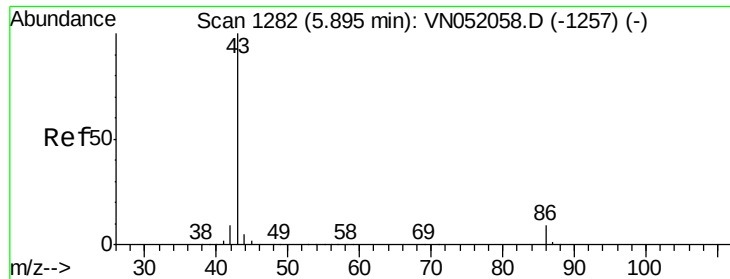
Abundance Ion 45.00 (44.70 to 45.70): VN052115.D (-1207) (-)

Ion 43.00 (42.70 to 43.70): VN052115.D (-1207) (-)

Ion 87.00 (86.70 to 87.70): VN052115.D (-1207) (-)

Ion 59.00 (58.70 to 59.70): VN052115.D (-1207) (-)

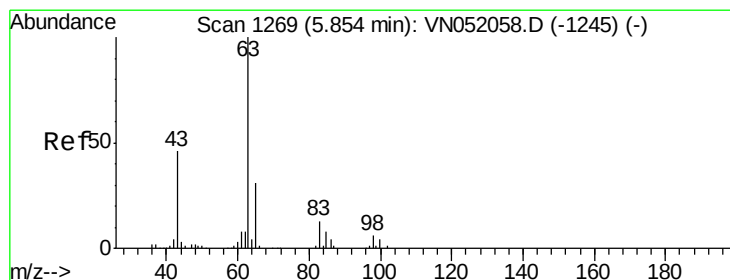
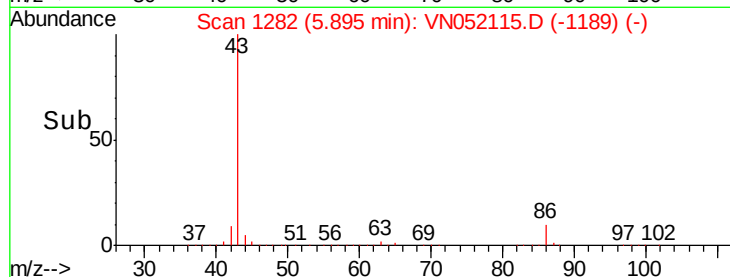
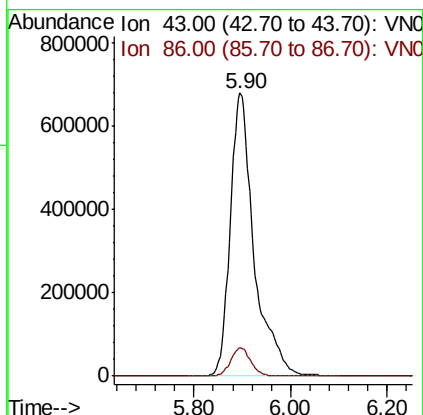
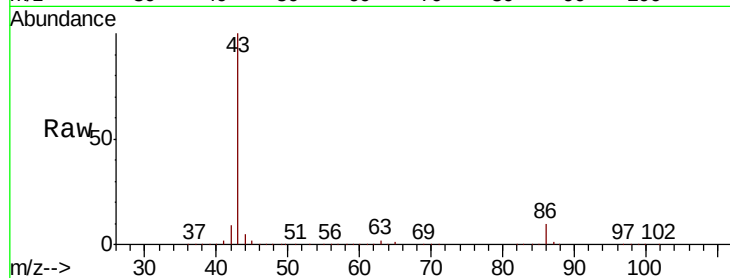




#23
 Vinyl Acetate
 Concen: 221.110 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

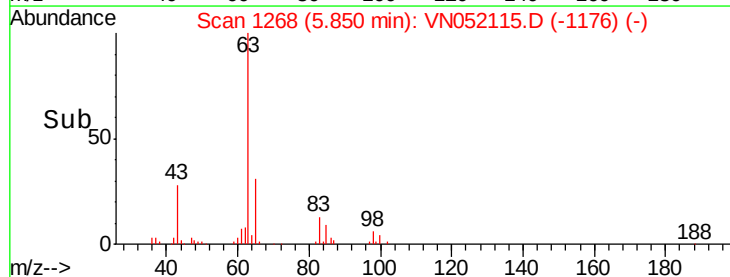
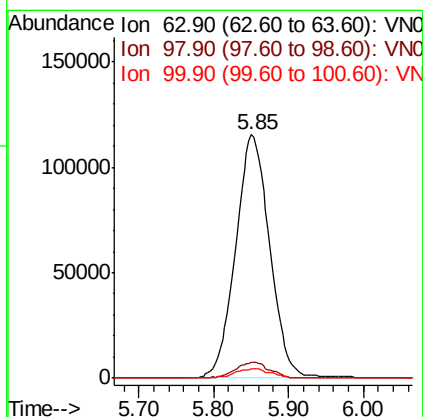
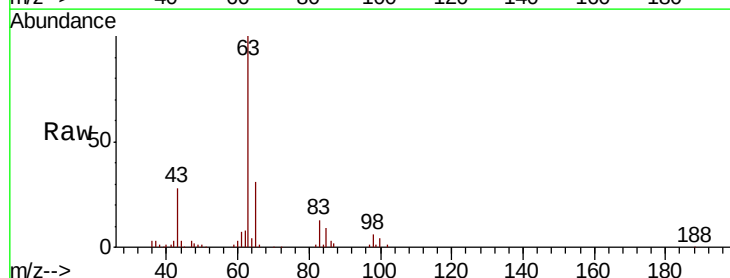
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

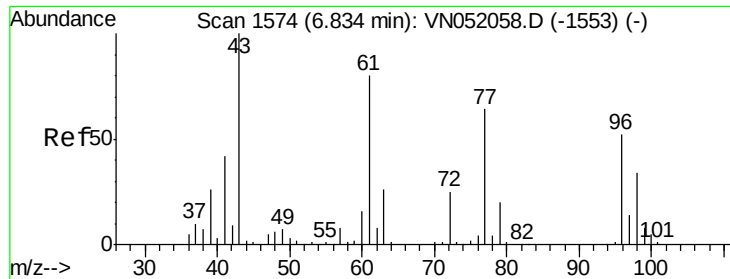
Tot Ion: 43 Resp: 2329021
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 43.112 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 63 Resp: 366483
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 3.6 2.0 6.0

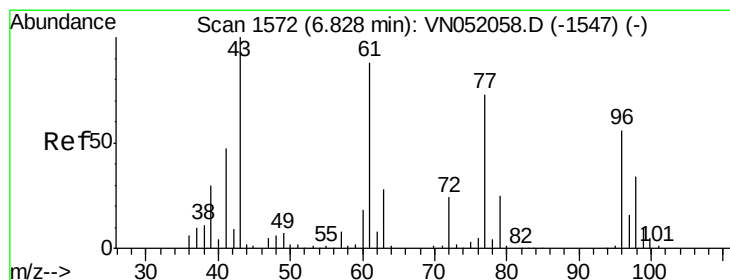
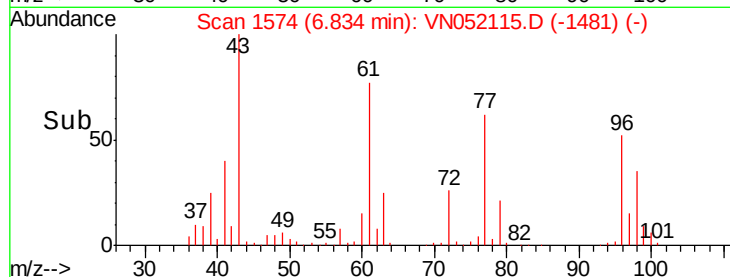
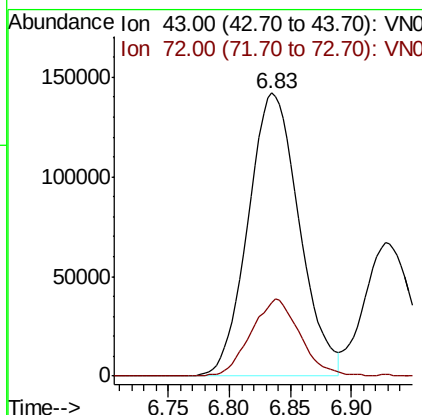
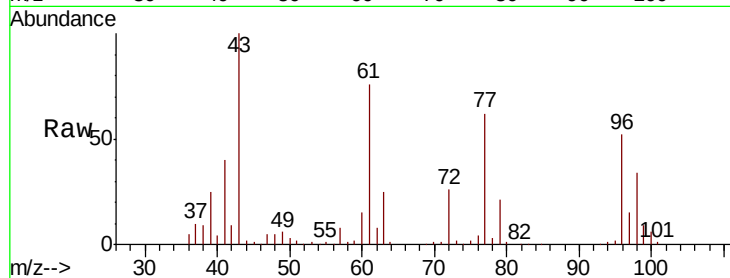




#25
2-Butanone
Concen: 229.160 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

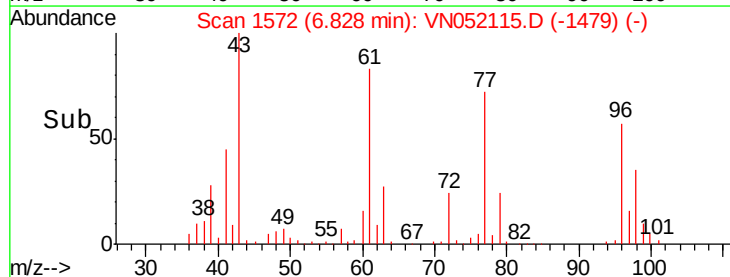
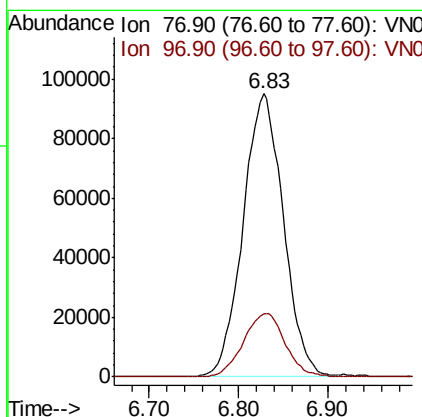
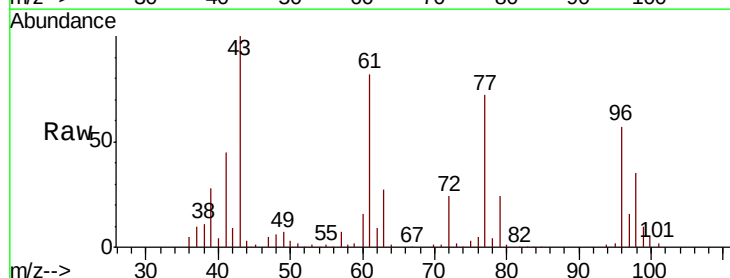
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

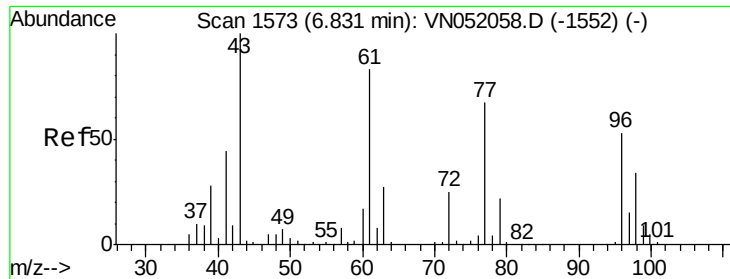
Tot Ion: 43 Resp: 412453
Ion Ratio Lower Upper
43 100
72 25.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 44.288 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 77 Resp: 298996
Ion Ratio Lower Upper
77 100
97 23.1 10.5 31.5

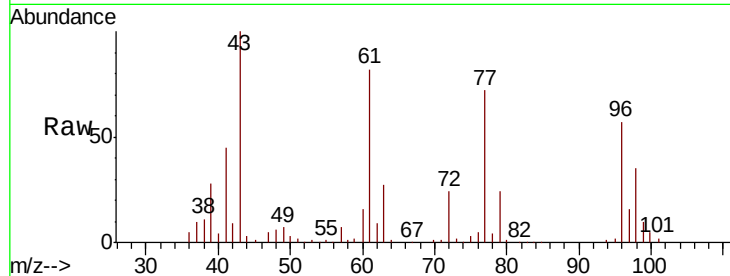




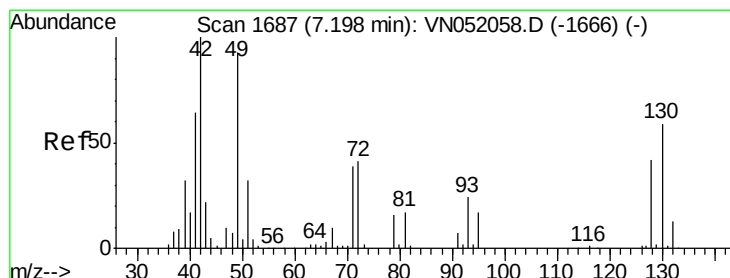
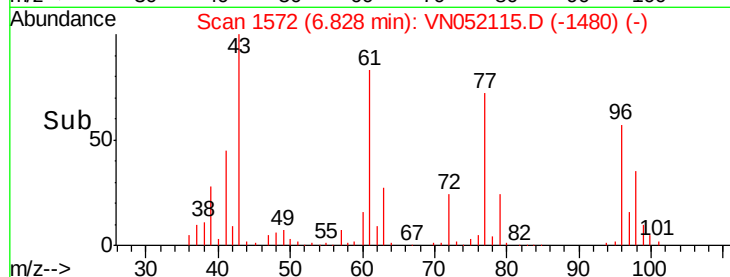
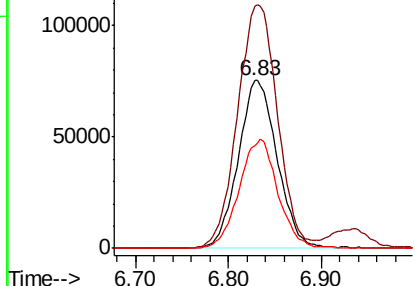
#27
 cis-1,2-Dichloroethene
 Concen: 45.871 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 96 Resp: 219530
 Ion Ratio Lower Upper
 96 100
 61 149.4 0.0 312.8
 98 64.2 0.0 127.0

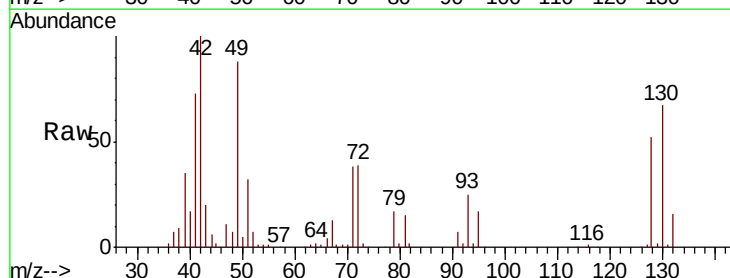


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

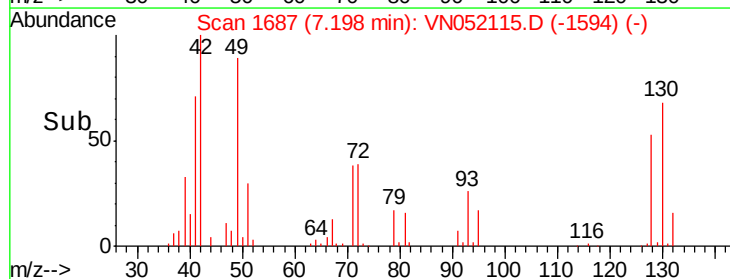
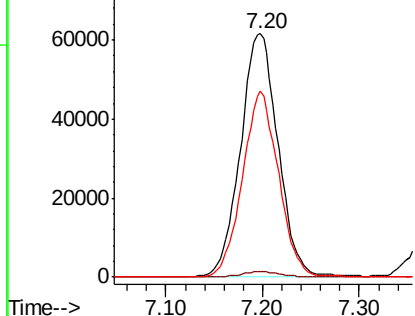


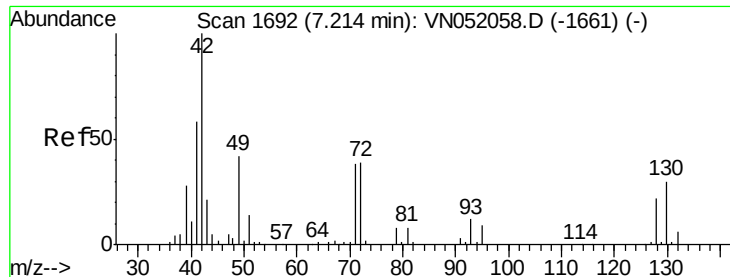
#28
 Bromochloromethane
 Concen: 39.498 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 49 Resp: 166397
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 2.4
 130 73.2 50.8 76.2



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: 223.644 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

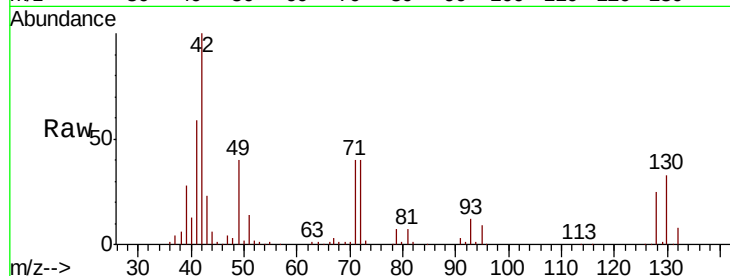
Tot Ion: 42 Resp: 268169

Ion Ratio Lower Upper

42 100

72 40.7 32.5 48.7

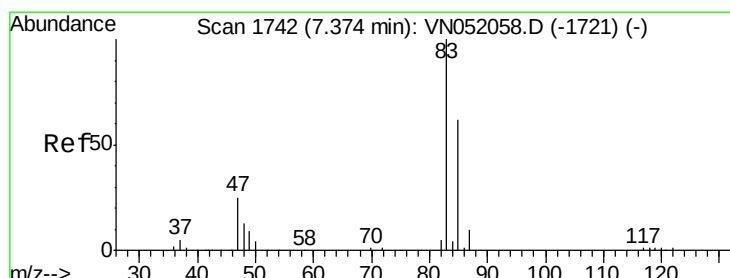
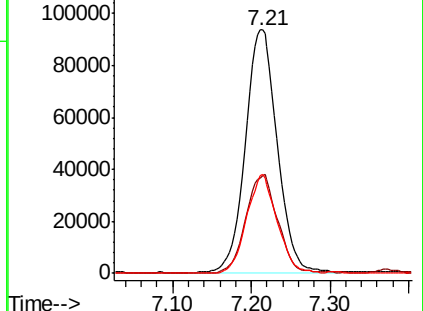
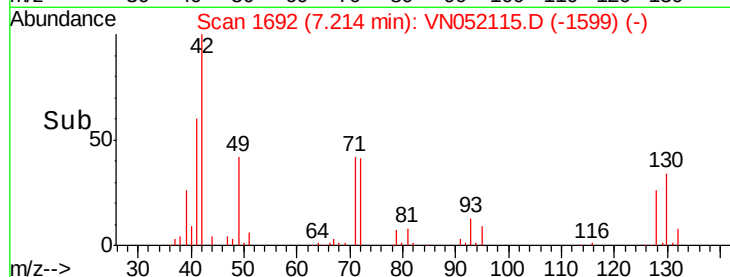
71 38.9 30.6 46.0



Abundance Ion 42.00 (41.70 to 42.70): VN052115.D (-1599) (-)

Ion 72.00 (71.70 to 72.70): VN052115.D (-1599) (-)

Ion 71.00 (70.70 to 71.70): VN052115.D (-1599) (-)



#30

Chloroform

Concen: 43.842 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN052115.D

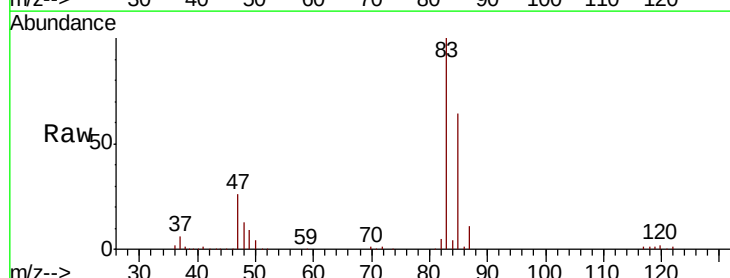
Acq: 2 Nov 2018 8:48

Tgt Ion: 83 Resp: 372014

Ion Ratio Lower Upper

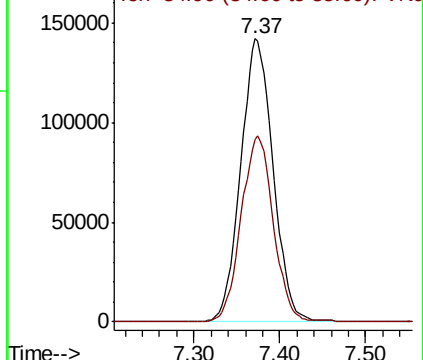
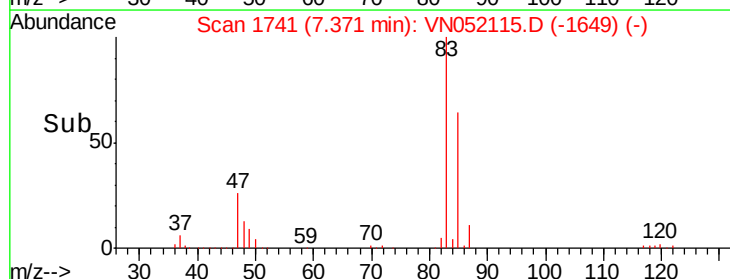
83 100

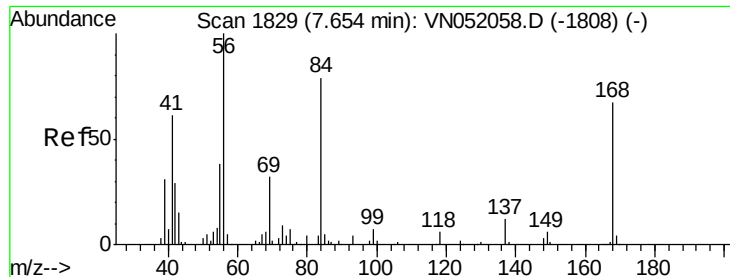
85 64.4 49.6 74.4



Abundance Ion 82.90 (82.60 to 83.60): VN052115.D (-1649) (-)

Ion 84.90 (84.60 to 85.60): VN052115.D (-1649) (-)

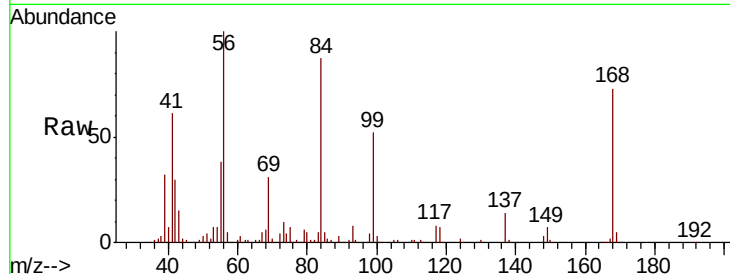




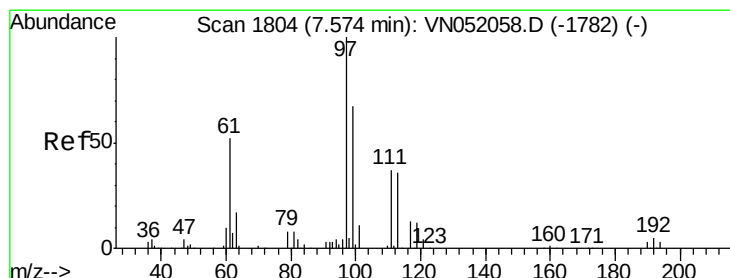
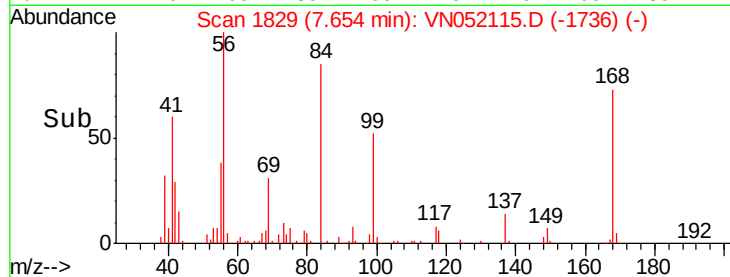
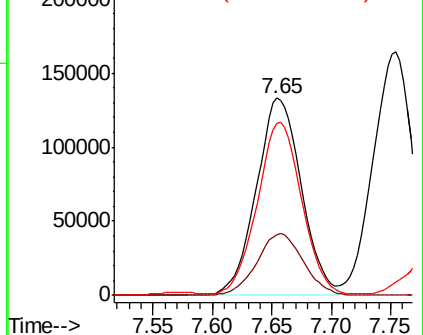
#31
Cyclohexane
Concen: 43.905 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 348725
Ion Ratio Lower Upper
56 100
69 30.7 25.8 38.6
84 86.1 63.5 95.3

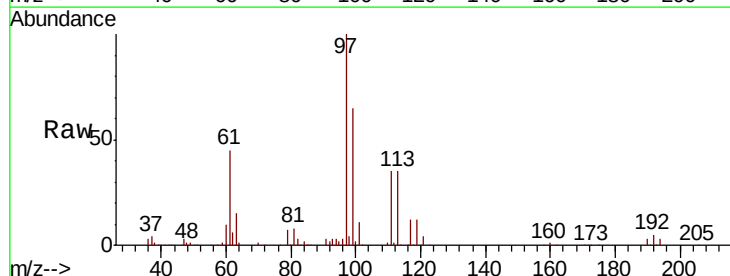


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

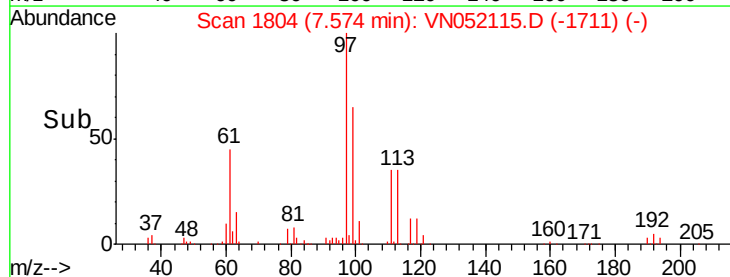
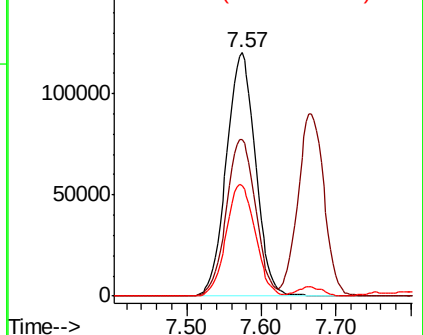


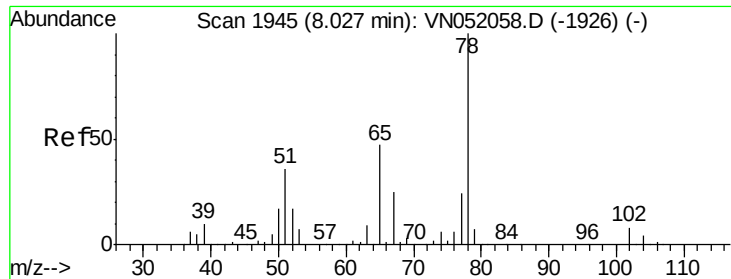
#32
1,1,1-Trichloroethane
Concen: 47.523 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 97 Resp: 324299
Ion Ratio Lower Upper
97 100
99 64.7 51.4 77.2
61 46.0 40.3 60.5



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

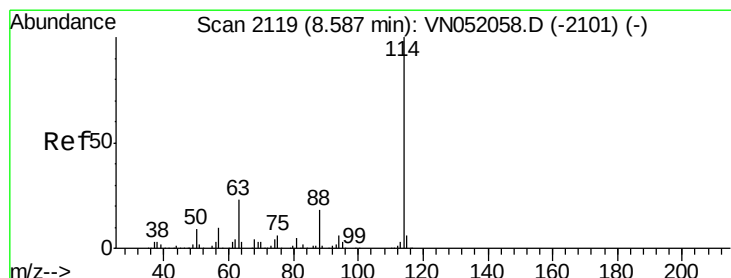
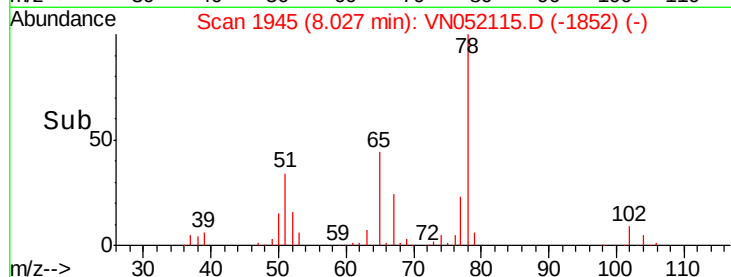
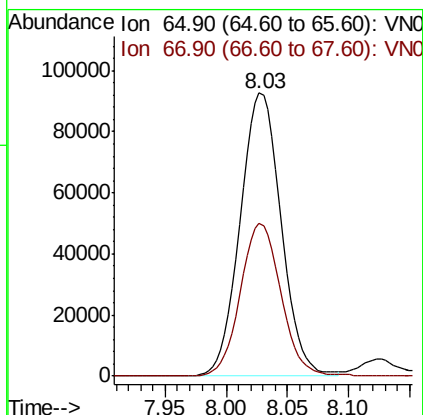
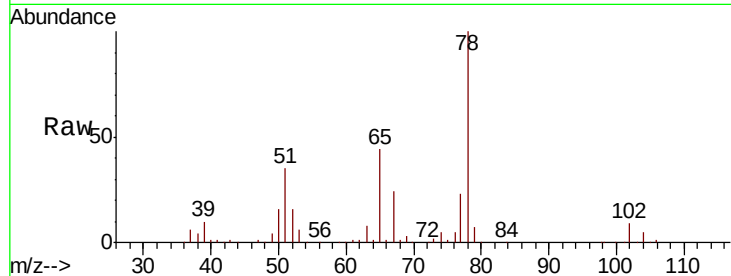




#33
 1,2-Dichloroethane-d4
 Concen: 47.523 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

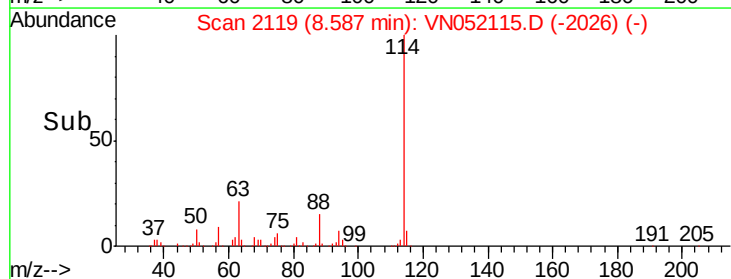
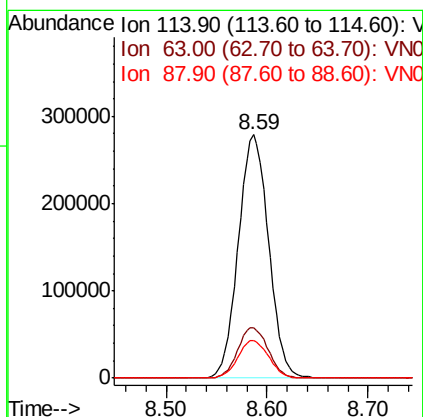
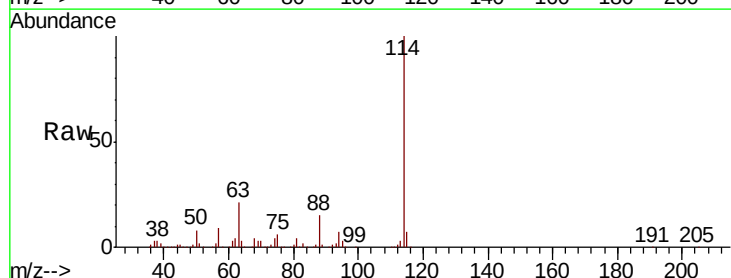
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

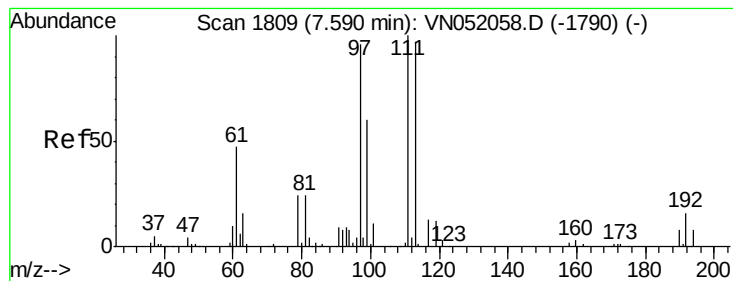
Tot Ion: 65 Resp: 215623
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 114 Resp: 579329
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 46.0
 88 15.3 0.0 35.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

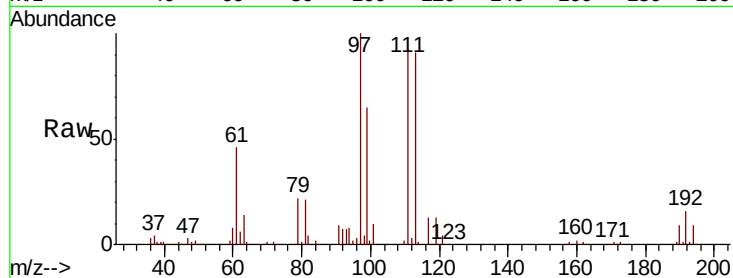
Tot Ion:113 Resp: 184202

Ion Ratio Lower Upper

113 100

111 103.1 83.1 124.7

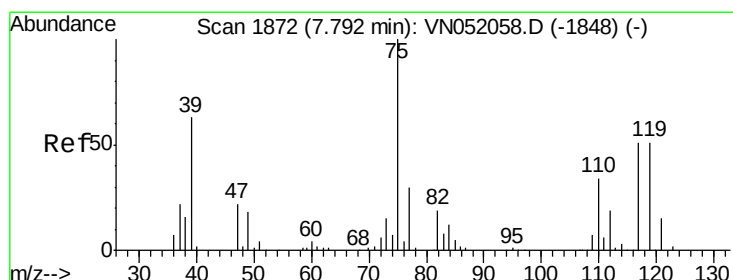
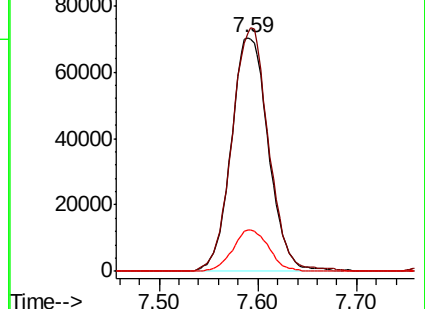
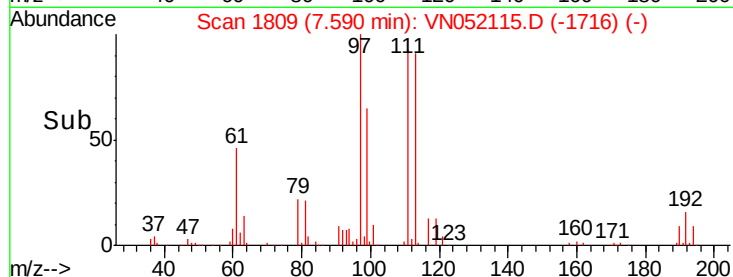
192 17.3 12.7 19.1



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.681 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

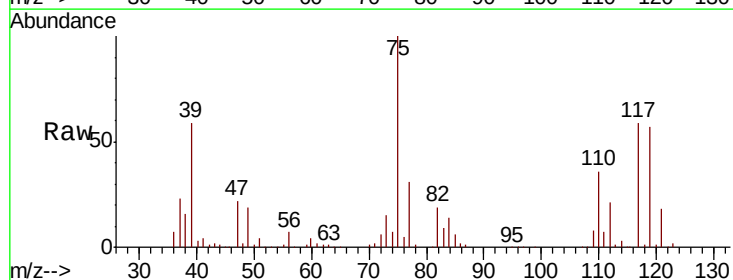
Tgt Ion: 75 Resp: 280876

Ion Ratio Lower Upper

75 100

110 35.8 16.0 48.0

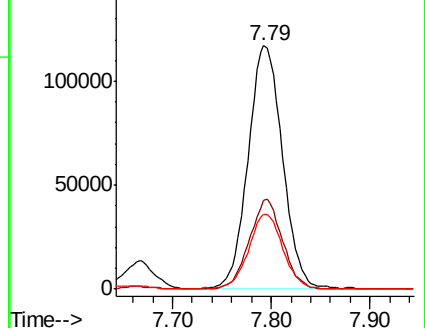
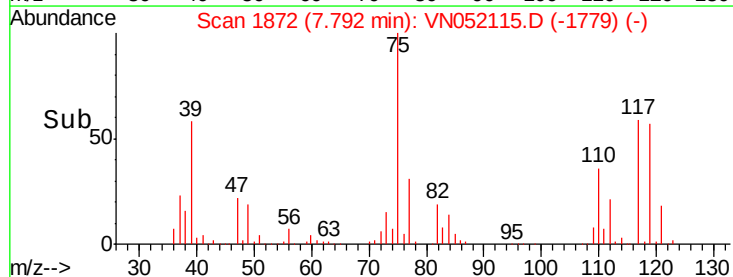
77 30.9 24.5 36.7

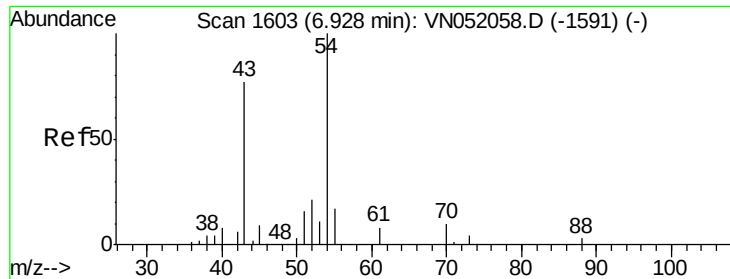


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

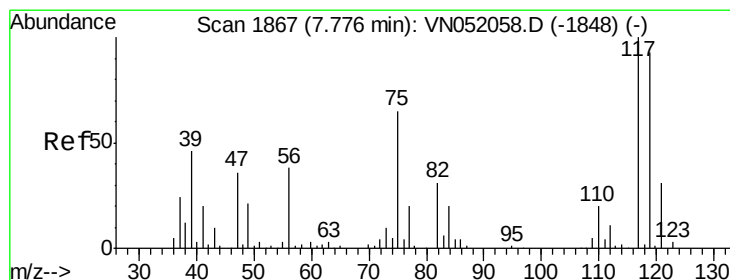
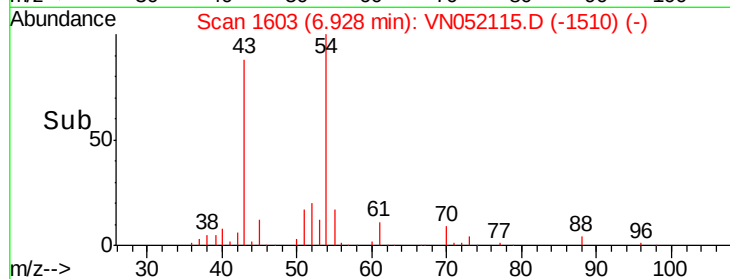
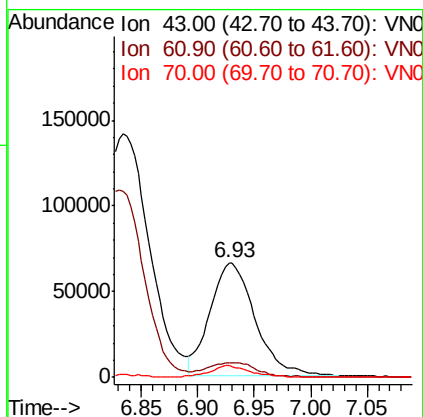
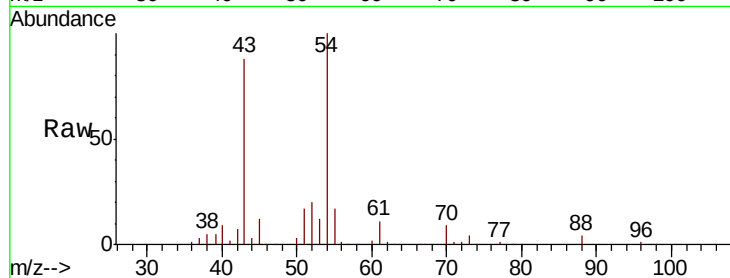




#37
Ethyl Acetate
Concen: 46.326 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

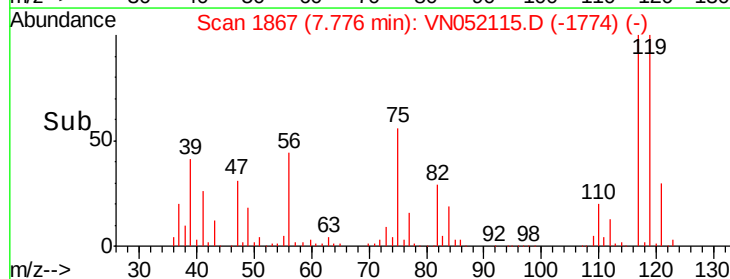
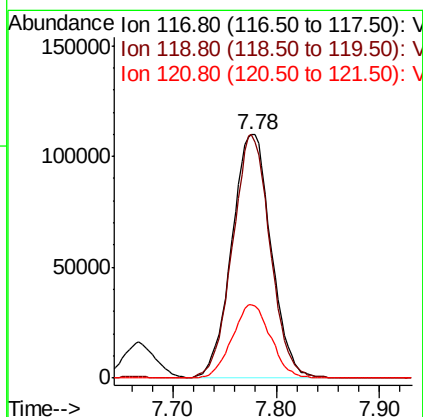
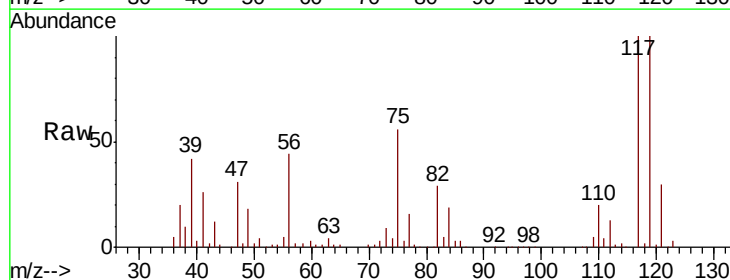
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

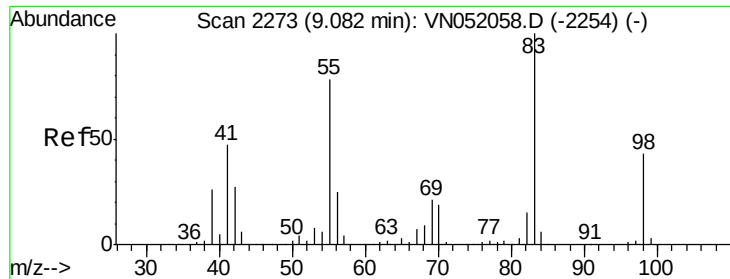
Tot Ion: 43 Resp: 182656
Ion Ratio Lower Upper
43 100
61 12.5 10.9 16.3
70 9.8 8.6 12.8



#38
Carbon Tetrachloride
Concen: 57.014 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 117 Resp: 289586
Ion Ratio Lower Upper
117 100
119 100.1 74.8 112.2
121 30.3 25.1 37.7

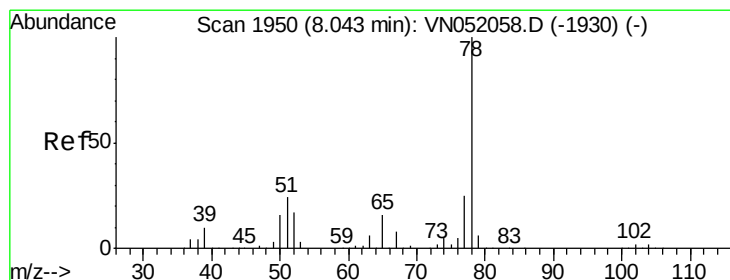
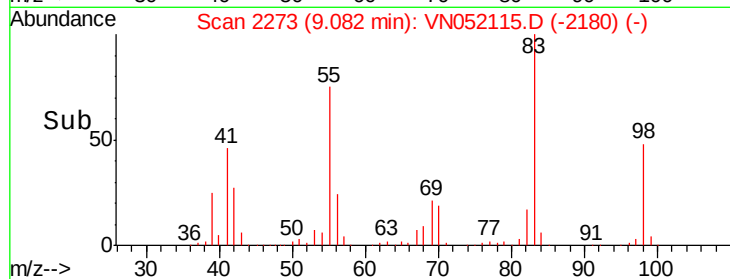
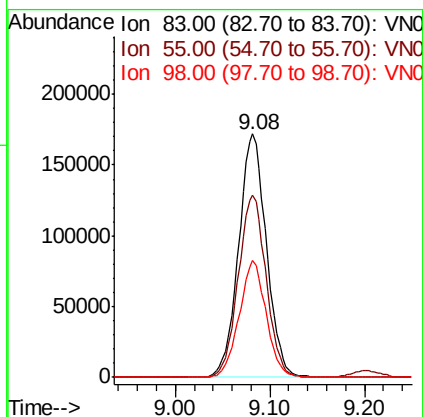
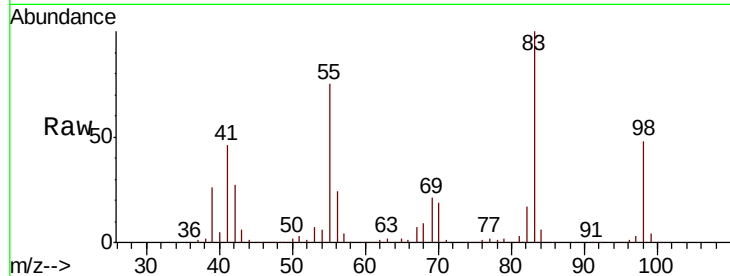




#39
Methylvlcyclohexane
Concen: 50.153 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

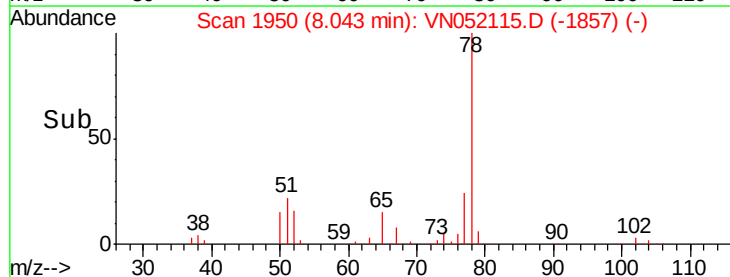
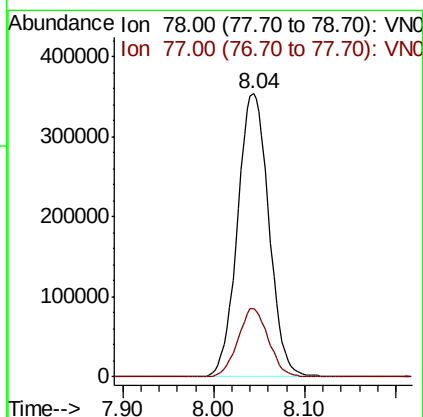
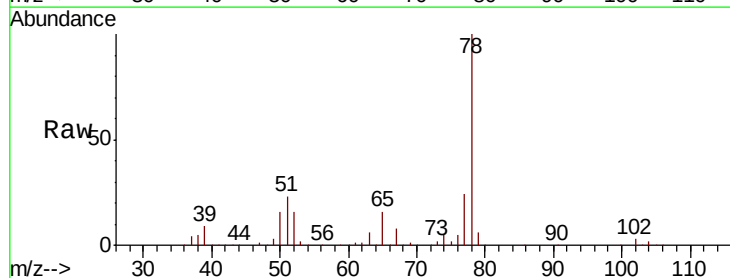
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

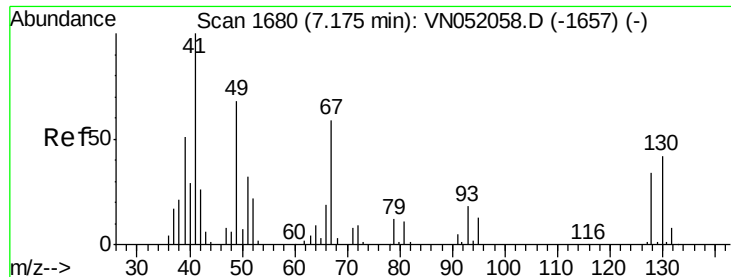
Tot Ion: 83 Resp: 350594
Ion Ratio Lower Upper
83 100
55 74.9 62.0 93.0
98 48.0 34.7 52.1



#40
Benzene
Concen: 49.744 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 78 Resp: 847577
Ion Ratio Lower Upper
78 100
77 24.3 19.8 29.6

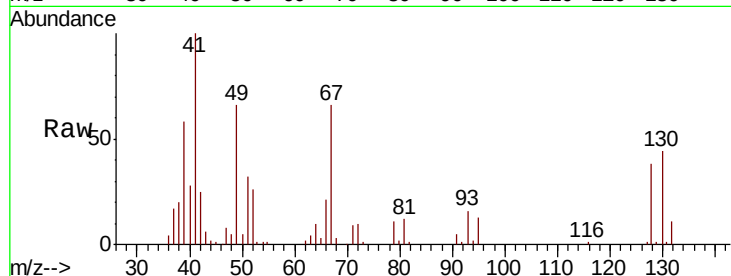




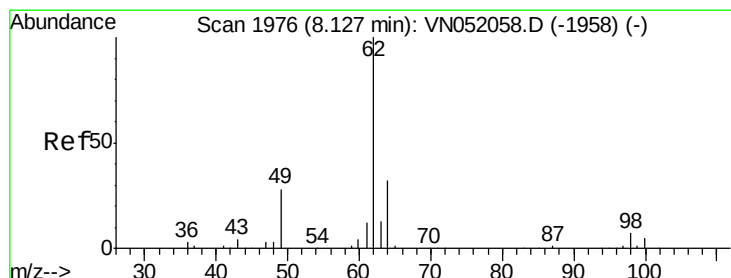
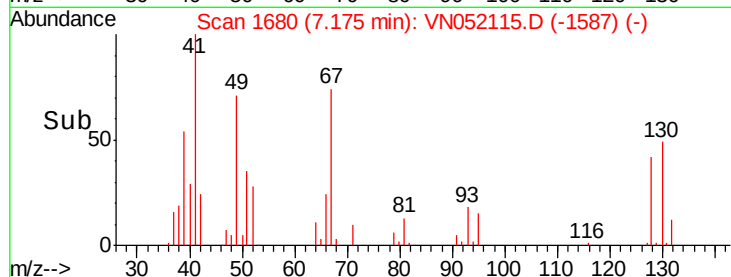
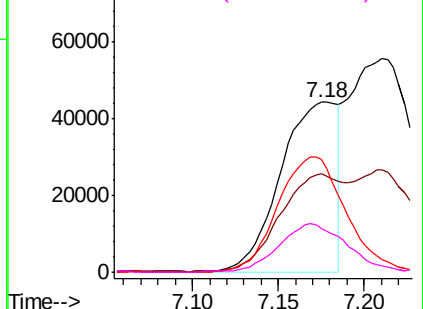
#41
Methacrylonitrile
Concen: 50.054 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	101842
Ion	Ratio	Lower	Upper
41	100		
39	66.4	33.2	49.8#
67	81.4	63.5	95.3
52	34.4	25.6	38.4

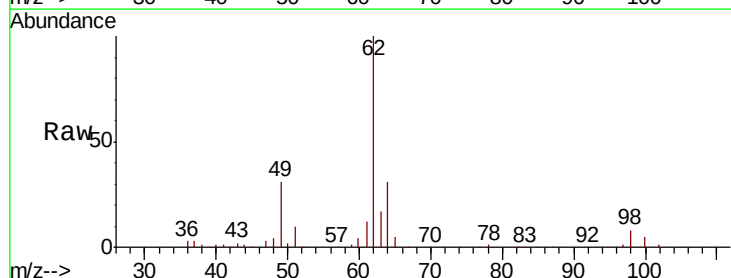


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

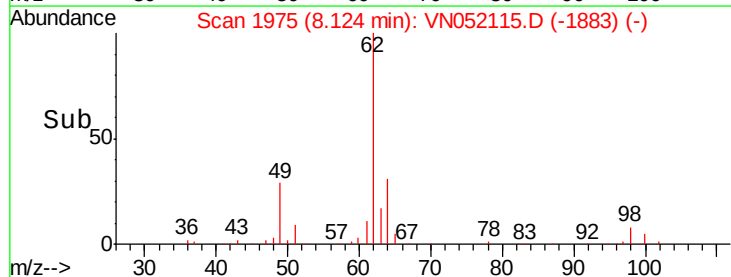
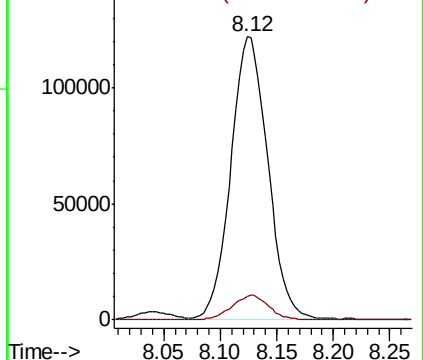


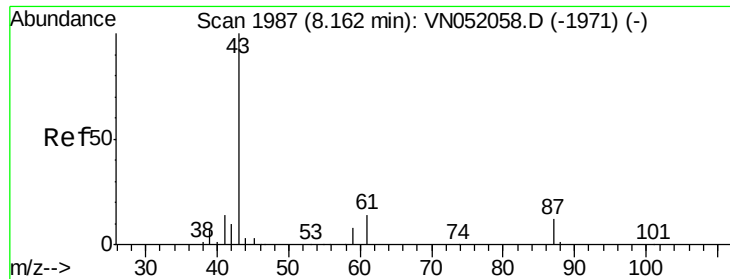
#42
1,2-Dichloroethane
Concen: 43.932 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion:	62	Resp:	276234
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	15.2



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





#43

Isopropyl Acetate

Concen: 47.629 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

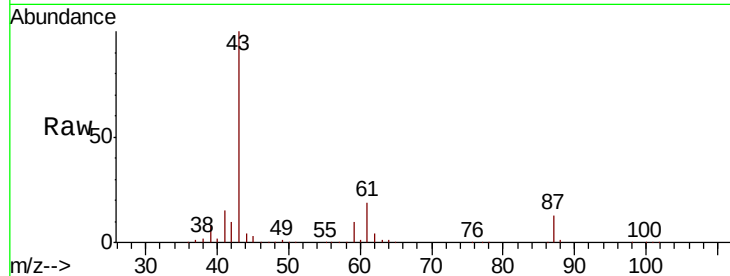
Tot Ion: 43 Resp: 334005

Ion Ratio Lower Upper

43 100

61 19.2 15.4 23.0

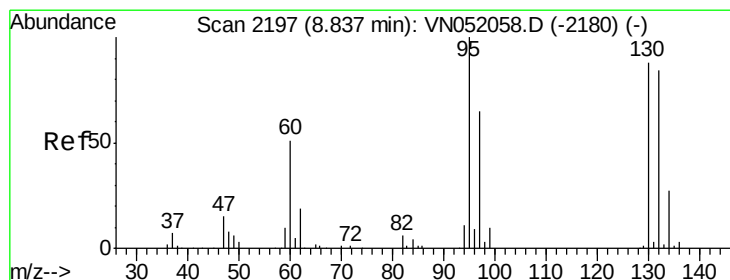
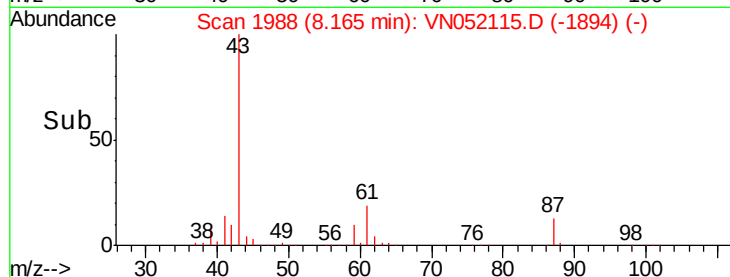
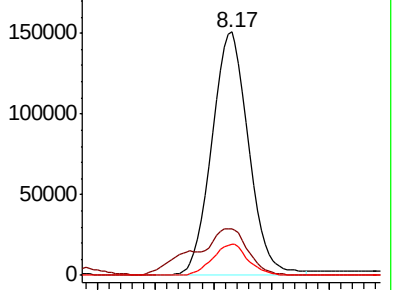
87 12.4 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052058.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052058.D (-1971) (-)



#44

Trichloroethene

Concen: 55.305 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052115.D

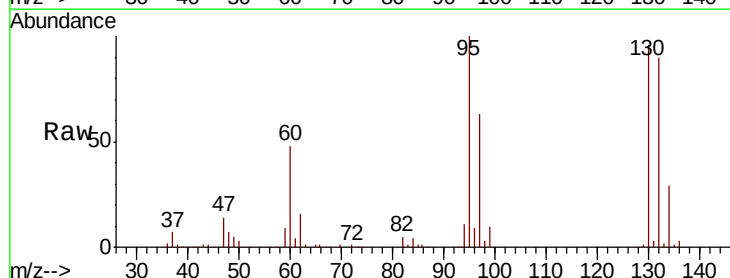
Acq: 2 Nov 2018 8:48

Tgt Ion:130 Resp: 210739

Ion Ratio Lower Upper

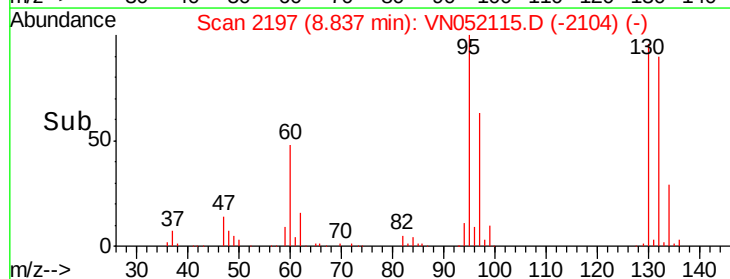
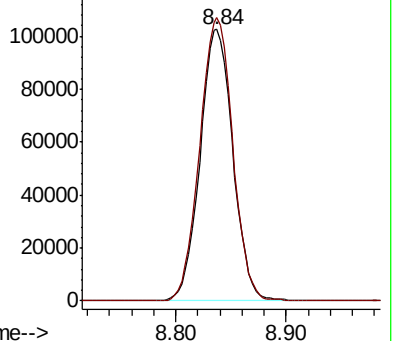
130 100

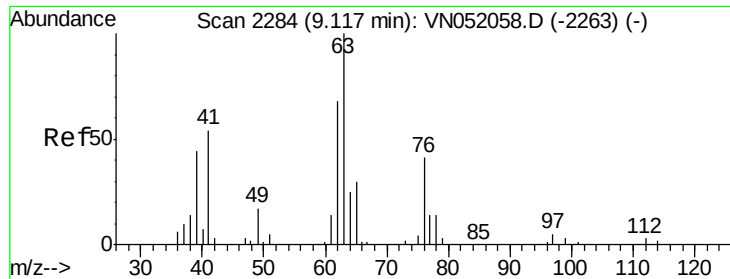
95 104.4 0.0 228.4



Abundance Ion 129.80 (129.50 to 130.50): VN052058.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN052058.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 45.418 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

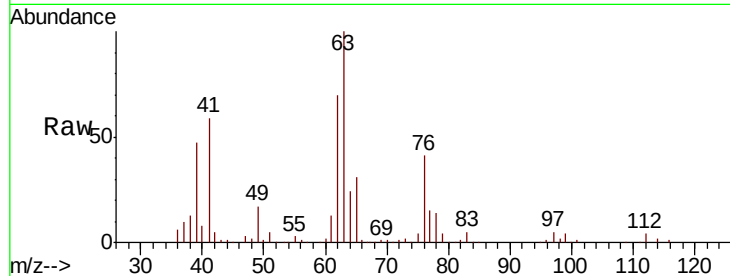
VSTDCCC050

Tot Ion: 63 Resp: 220445

Ion Ratio Lower Upper

63 100

65 30.8 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

120000

100000

80000

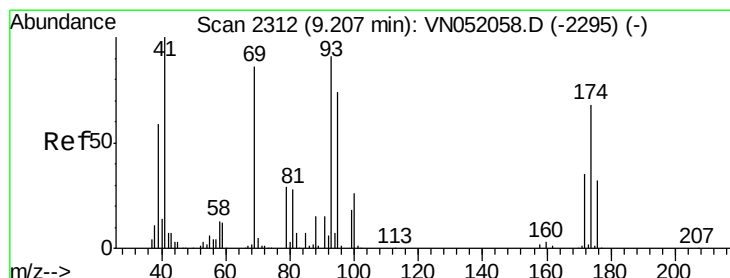
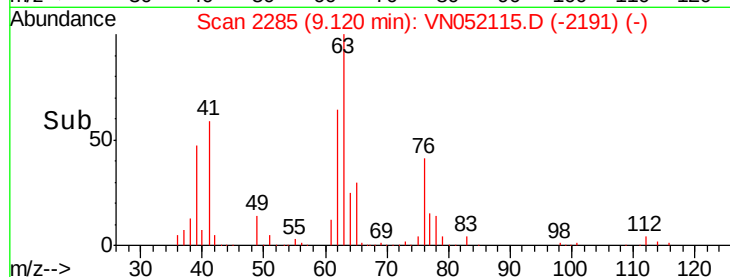
60000

40000

20000

0

Time--> 9.00 9.05 9.10 9.15 9.20



#46

Dibromomethane

Concen: 51.414 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

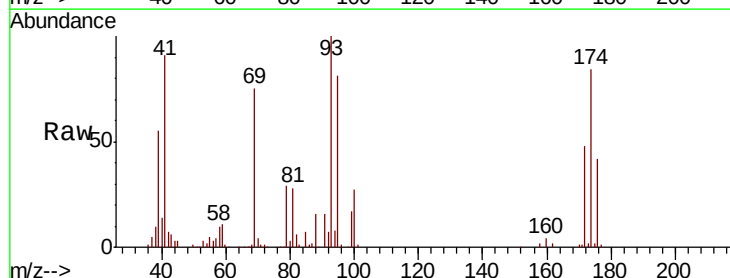
Tgt Ion: 93 Resp: 139470

Ion Ratio Lower Upper

93 100

95 81.0 67.2 100.8

174 85.0 59.7 89.5



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

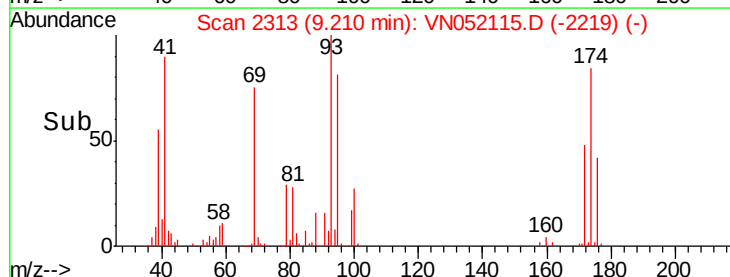
60000

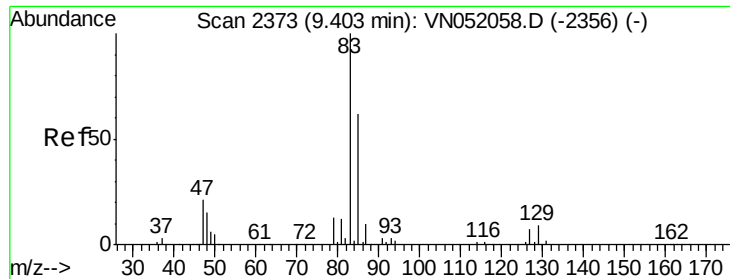
40000

20000

0

Time--> 9.10 9.20 9.30





#47

Bromodichloromethane

Concen: 50.404 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

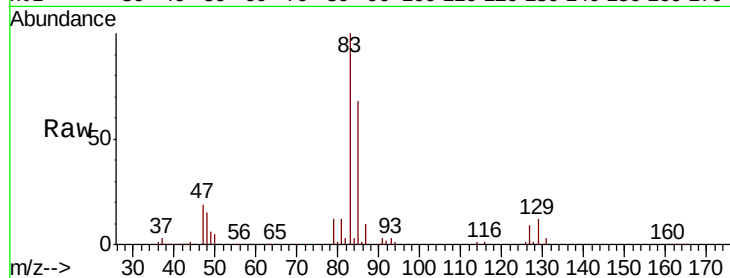
Tot Ion: 83 Resp: 285173

Ion Ratio Lower Upper

83 100

85 68.1 49.4 74.2

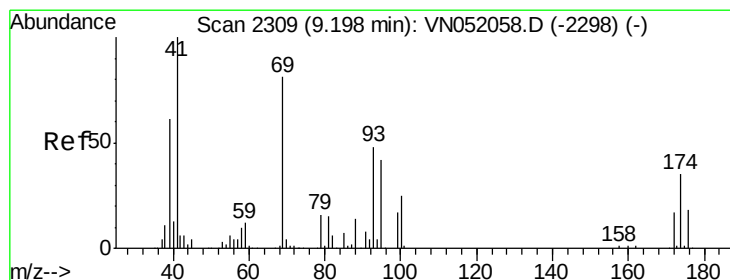
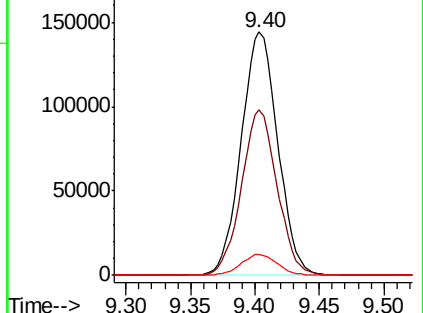
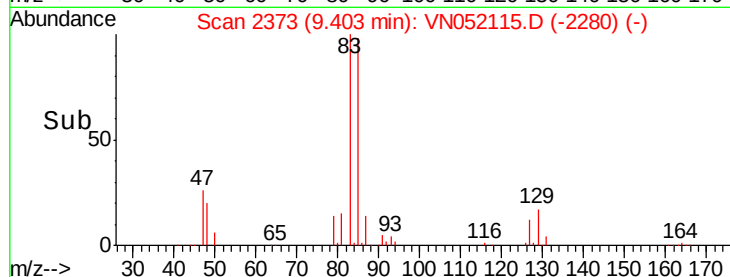
127 8.5 5.8 8.8



Abundance Ion 82.90 (82.60 to 83.60): VN052115.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN052115.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN052115.D (-2280) (-)



#48

Methyl methacrylate

Concen: 46.808 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

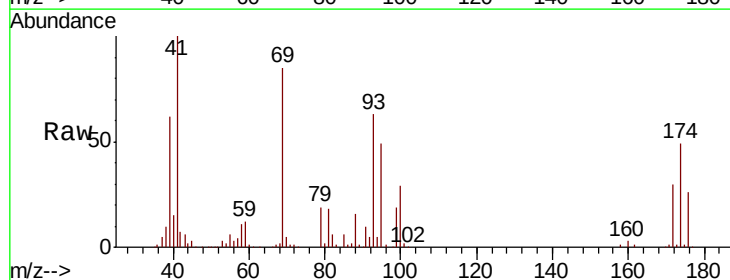
Tgt Ion: 41 Resp: 166423

Ion Ratio Lower Upper

41 100

69 86.5 67.1 100.7

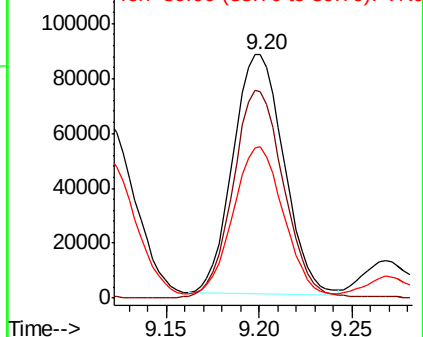
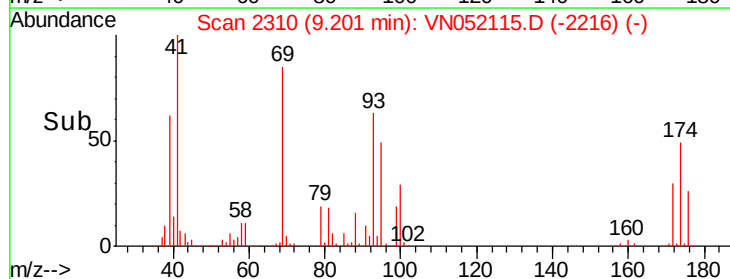
39 63.0 50.5 75.7

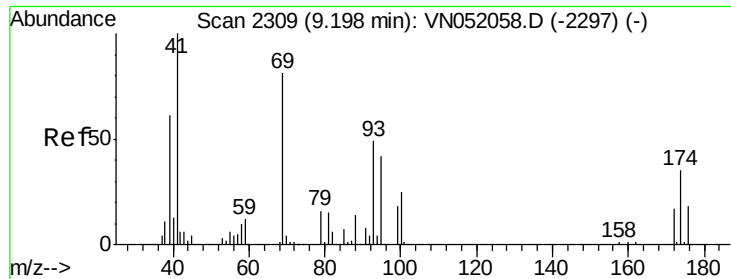


Abundance Ion 41.00 (40.70 to 41.70): VN052115.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN052115.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN052115.D (-2216) (-)





#49

1,4-Dioxane

Concen: 993.967 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

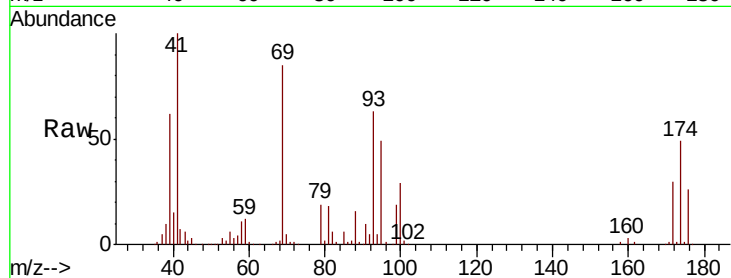
Tot Ion: 88 Resp: 29628

Ion Ratio Lower Upper

88 100

43 35.8 34.1 51.1

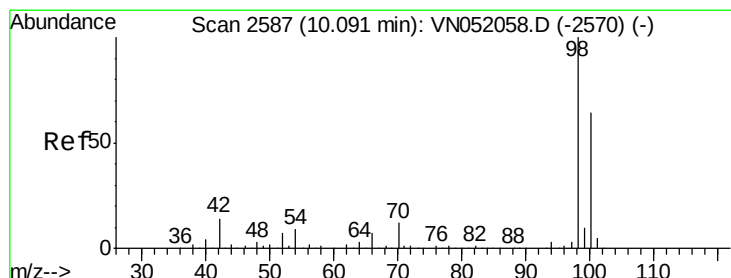
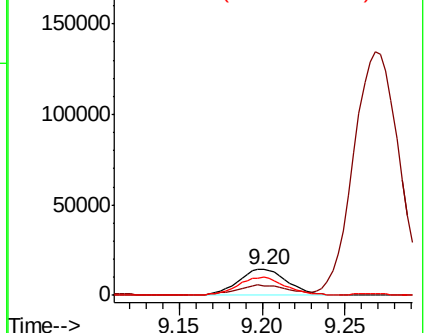
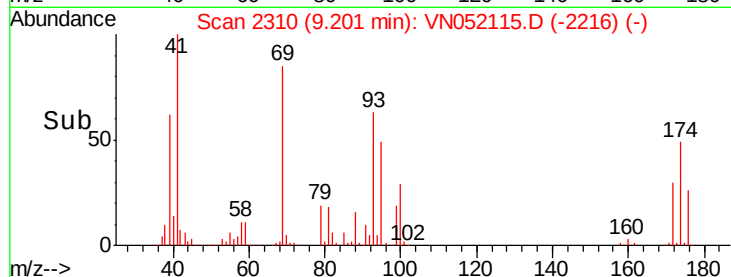
58 67.6 62.8 94.2



Abundance Ion 88.00 (87.70 to 88.70): VN052115.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052115.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052115.D (-2216) (-)



#50

Toluene-d8

Concen: 993.967 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052115.D

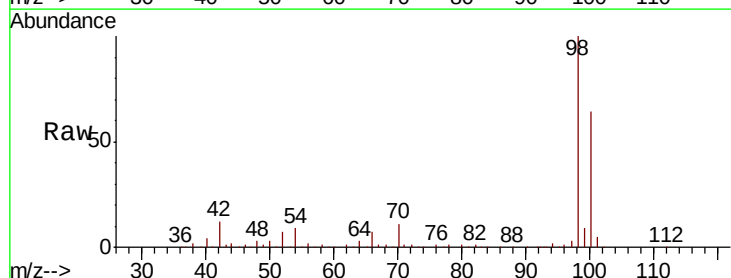
Acq: 2 Nov 2018 8:48

Tgt Ion: 98 Resp: 714695

Ion Ratio Lower Upper

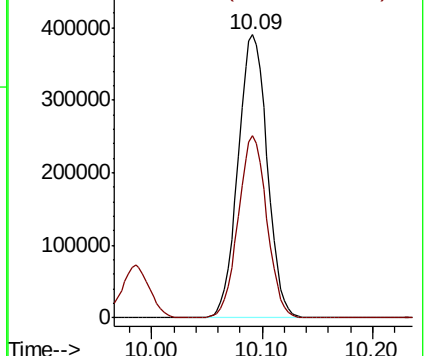
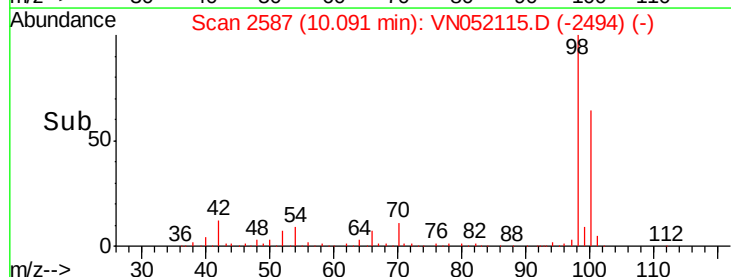
98 100

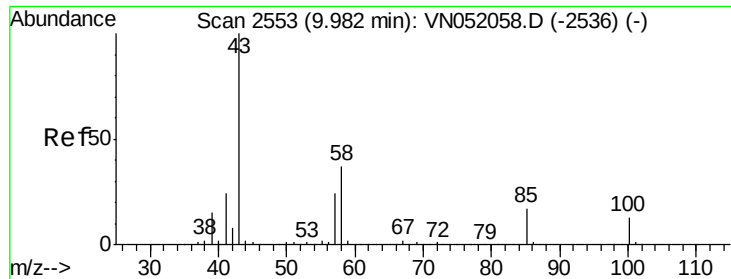
100 62.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN052115.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052115.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 244.091 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

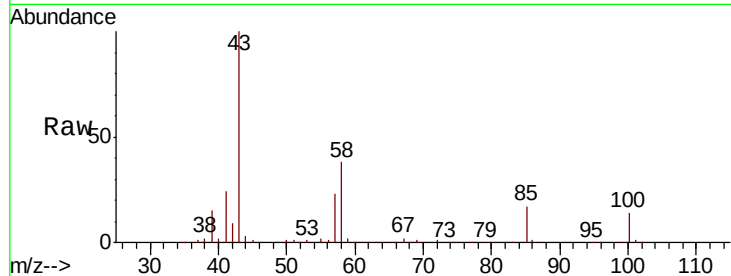
VSTDCCC050

Tot Ion: 43 Resp: 930378

Ion Ratio Lower Upper

43 100

58 36.9 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VN052058.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN052058.D (-2536) (-)

9.99

600000

500000

400000

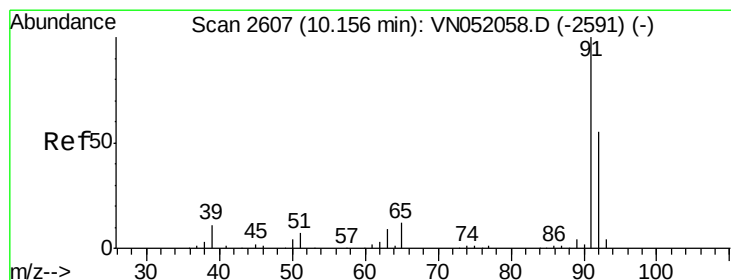
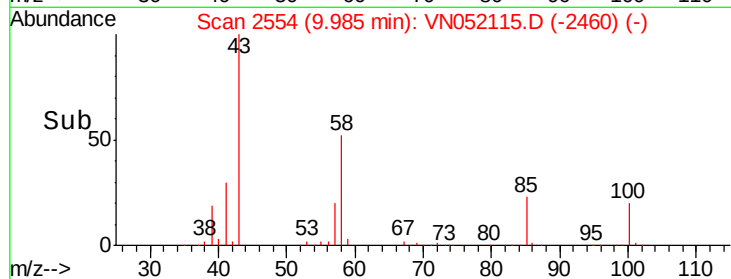
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.741 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052115.D

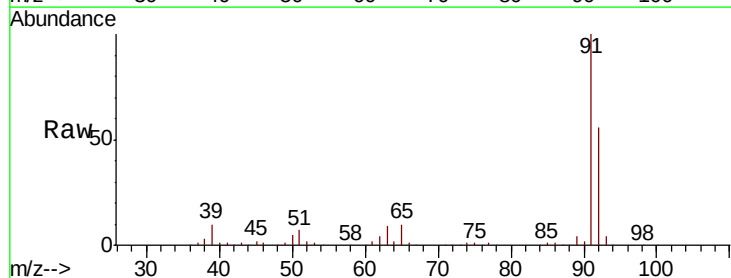
Acq: 2 Nov 2018 8:48

Tgt Ion: 92 Resp: 521890

Ion Ratio Lower Upper

92 100

91 179.0 143.9 215.9



Abundance Ion 92.00 (91.70 to 92.70): VN052058.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052058.D (-2591) (-)

10.16

600000

500000

400000

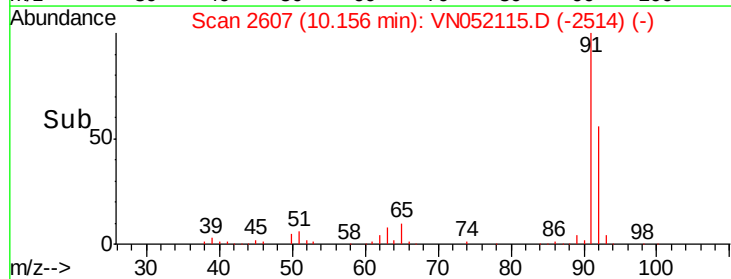
300000

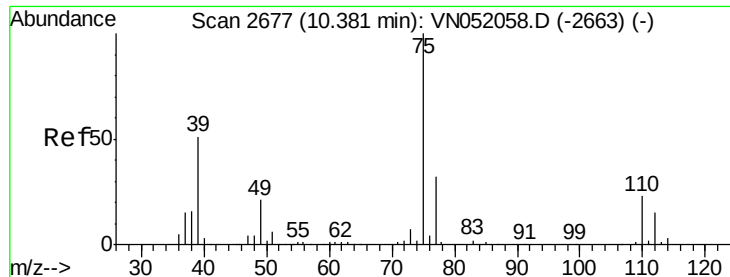
200000

100000

0

Time-->

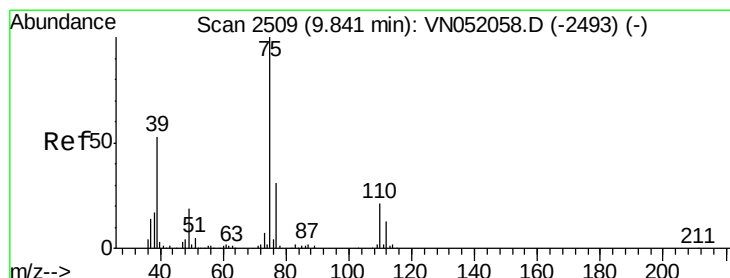
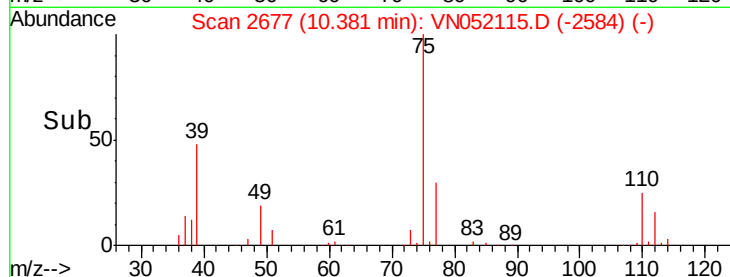
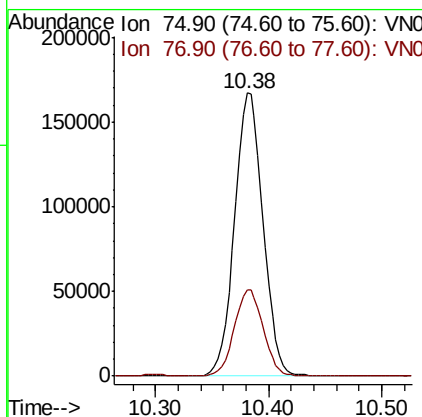
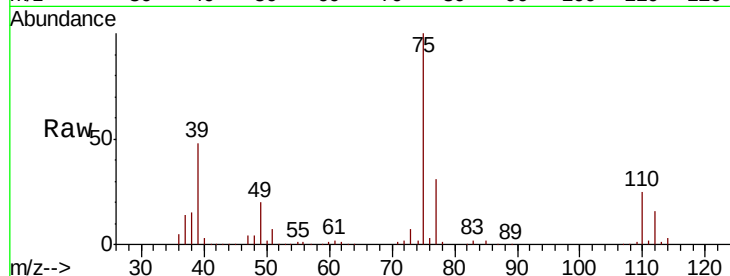




#53
 t-1,3-Dichloropropene
 Concen: 49.003 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

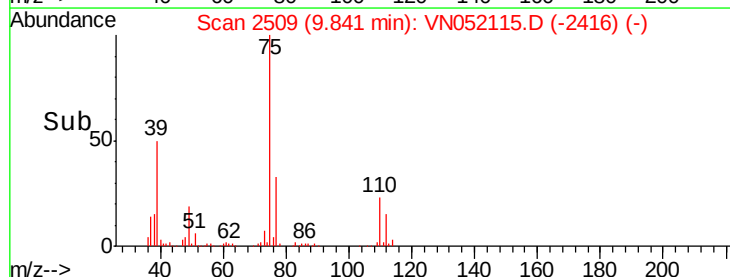
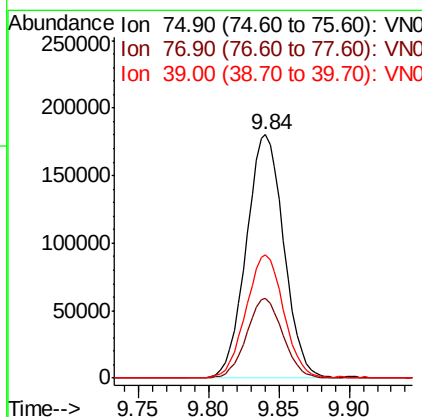
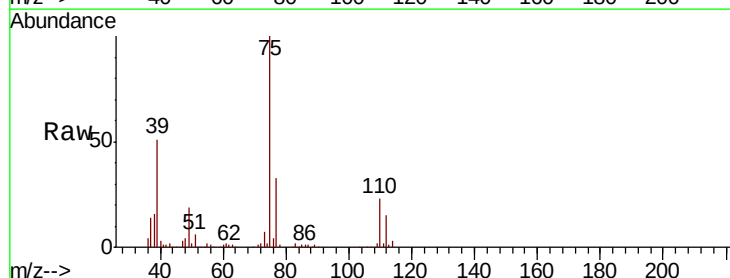
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

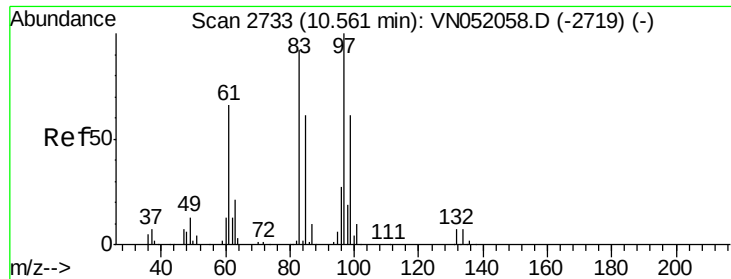
Tot Ion: 75 Resp: 293117
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 50.666 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 75 Resp: 336574
 Ion Ratio Lower Upper
 75 100
 77 32.9 25.0 37.4
 39 50.5 42.3 63.5



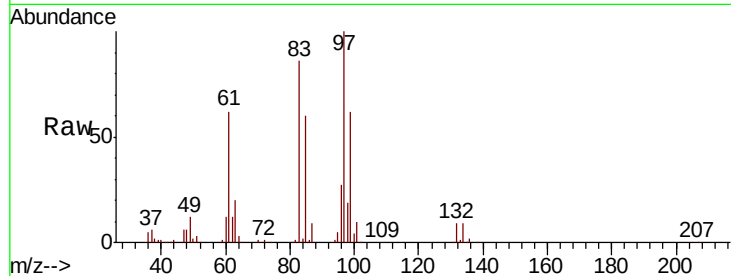


#55
 1,1,2-Trichloroethane
 Concen: 50.977 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 97 Resp: 186747

Ion	Ratio	Lower	Upper
97	100		
83	86.4	73.8	110.8
85	60.0	48.4	72.6
99	61.6	48.6	72.8



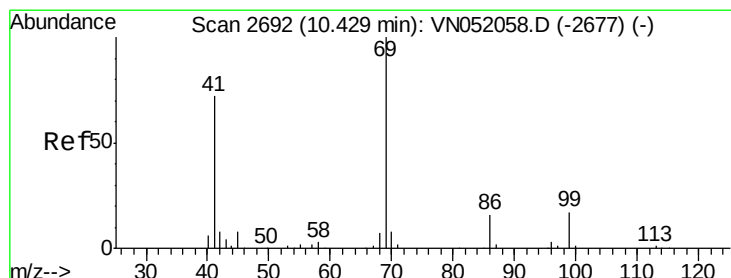
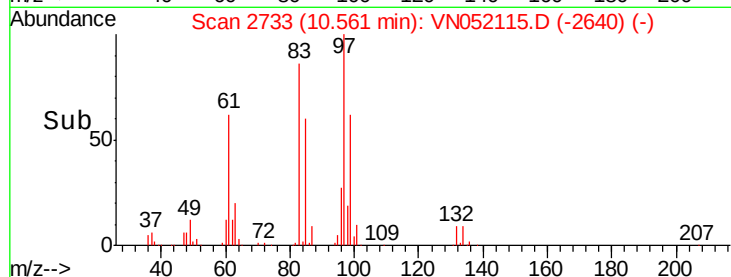
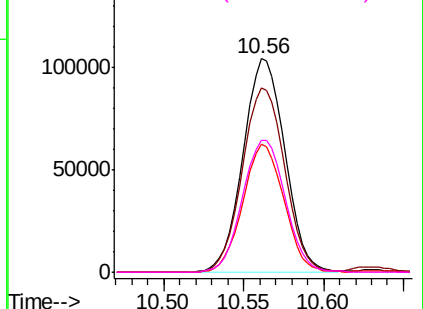
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

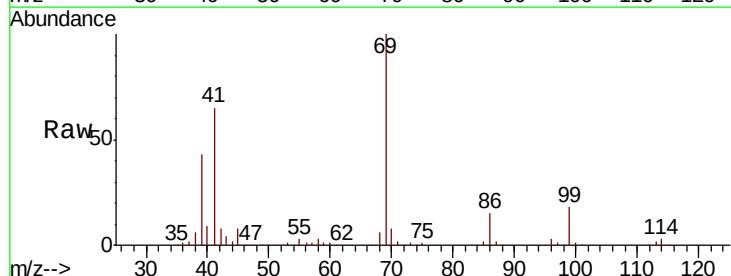
Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 48.700 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 69 Resp: 255196

Ion	Ratio	Lower	Upper
69	100		
41	66.2	55.5	83.3
39	41.3	33.0	49.4

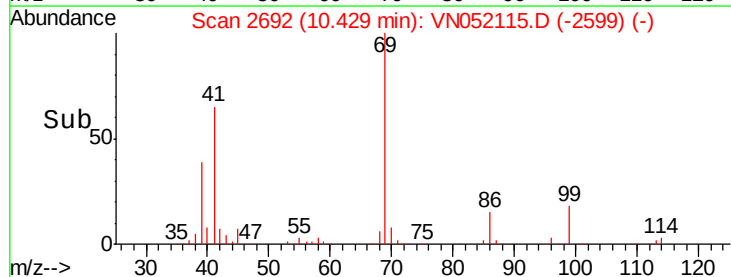
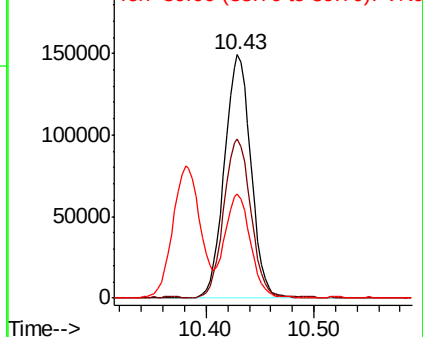


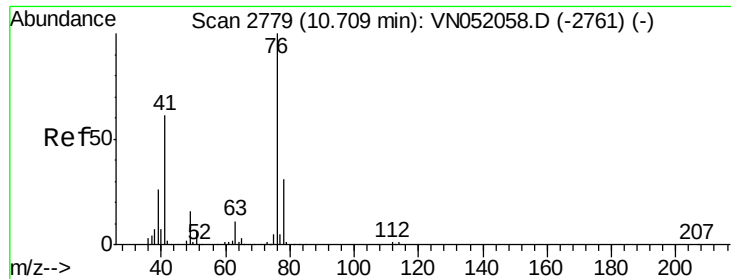
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 47.964 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

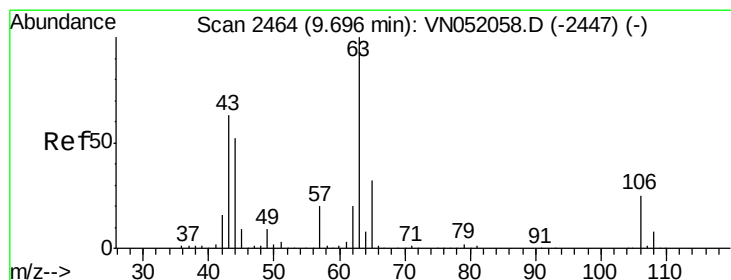
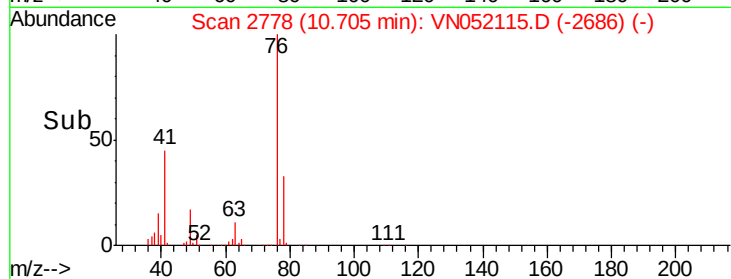
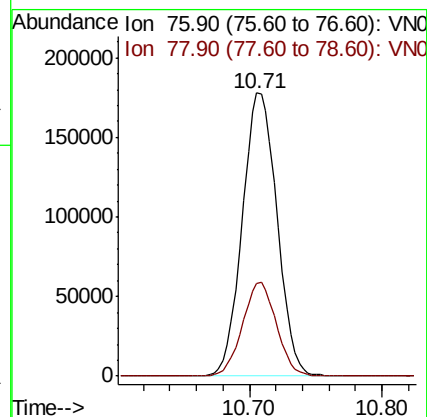
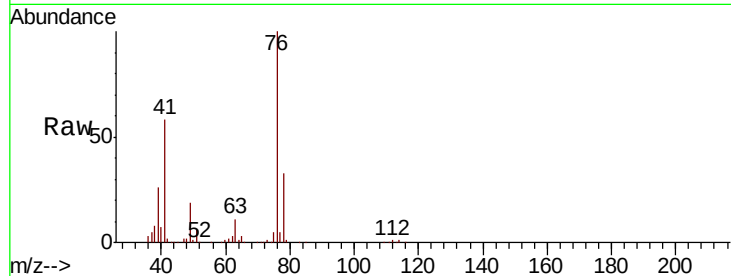
VSTDCCC050

Tot Ion: 76 Resp: 323305

Ion Ratio Lower Upper

76 100

78 32.3 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 243.034 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052115.D

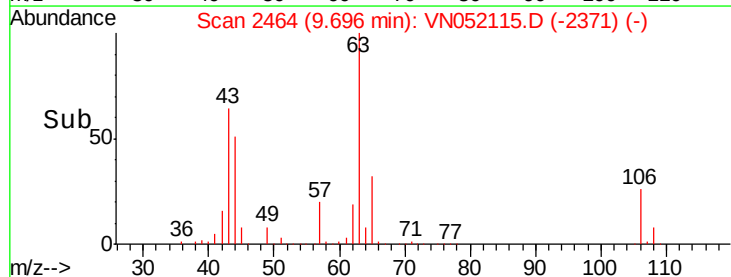
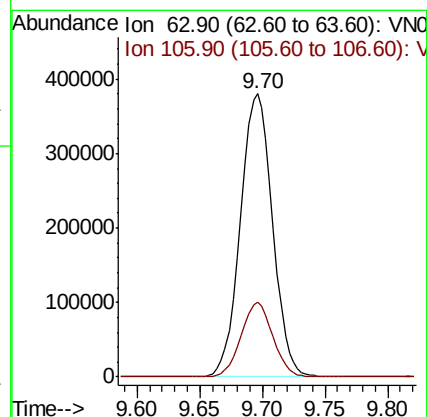
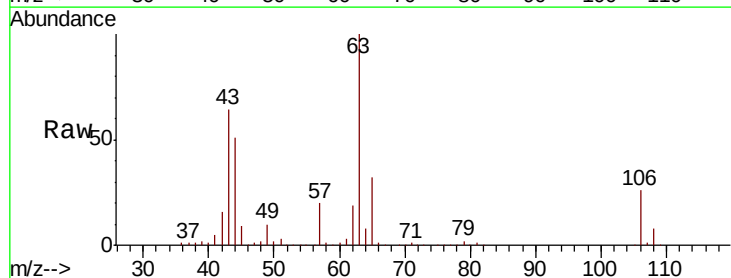
Acq: 2 Nov 2018 8:48

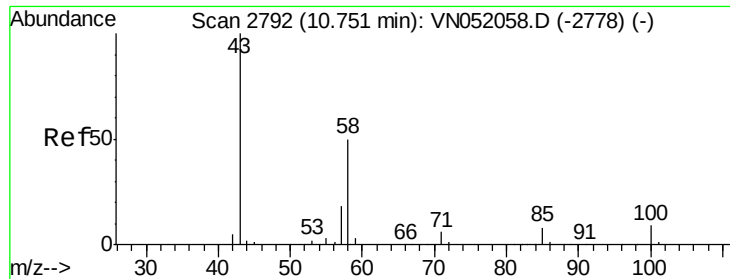
Tgt Ion: 63 Resp: 677420

Ion Ratio Lower Upper

63 100

106 26.1 19.4 29.2

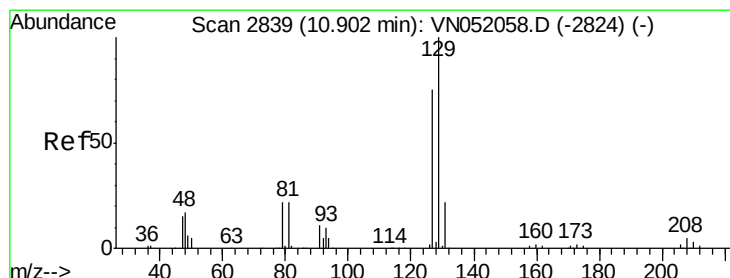
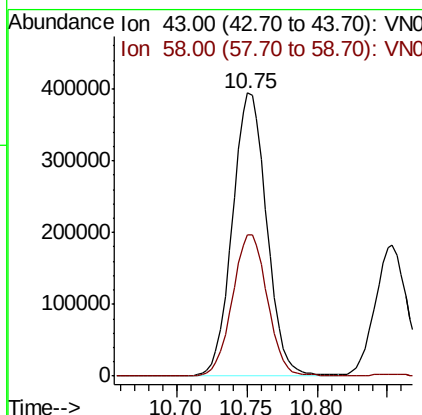
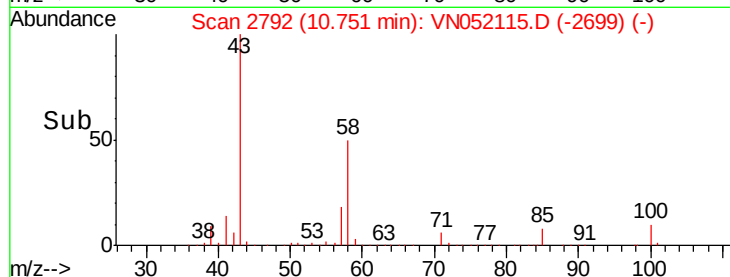
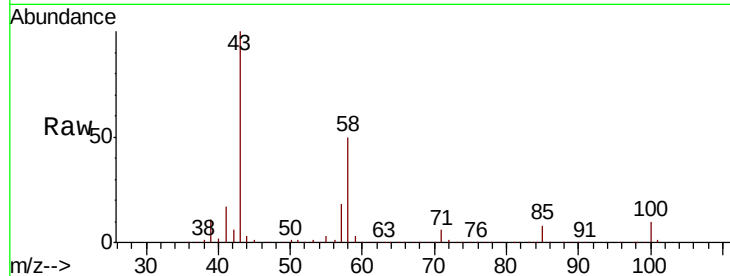




#59
2-Hexanone
Concen: 246.653 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

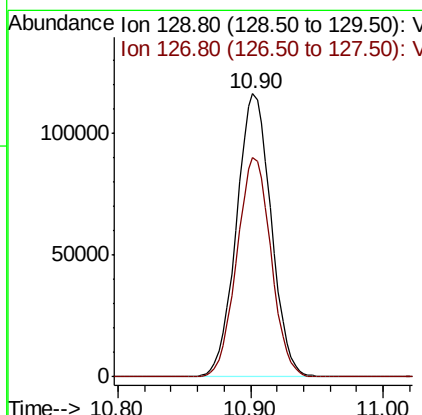
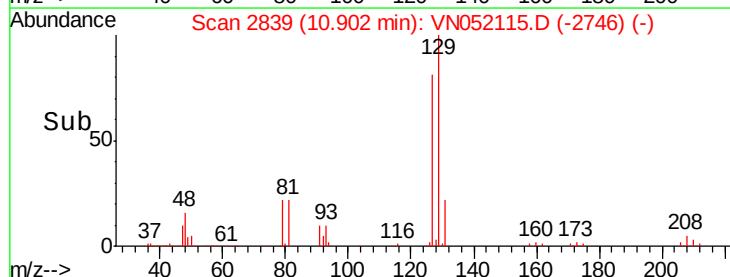
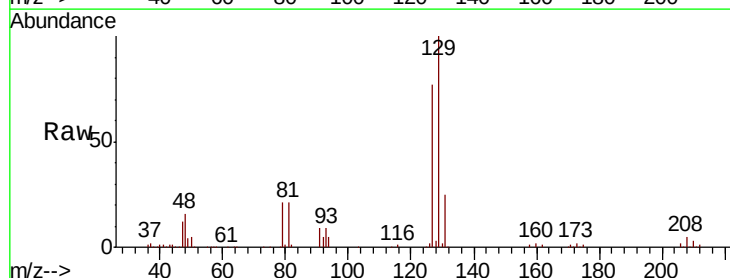
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

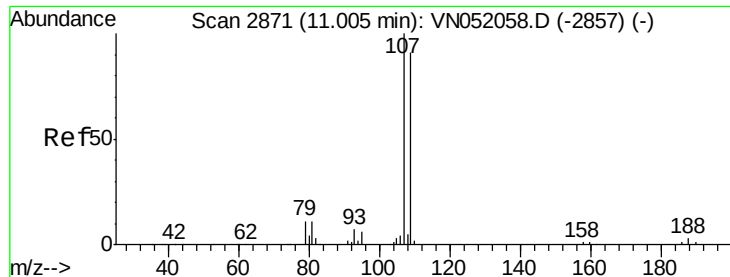
Tot Ion: 43 Resp: 669965
Ion Ratio Lower Upper
43 100
58 50.9 25.2 75.6



#60
Dibromochloromethane
Concen: 58.295 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 129 Resp: 210238
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.763 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

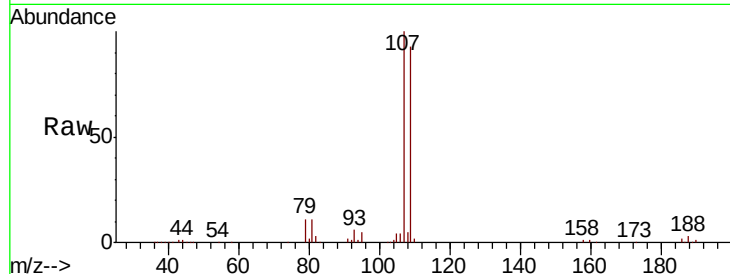
VSTDCCC050

Tot Ion: 107 Resp: 192149

Ion Ratio Lower Upper

107 100

109 92.8 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

120000

100000

80000

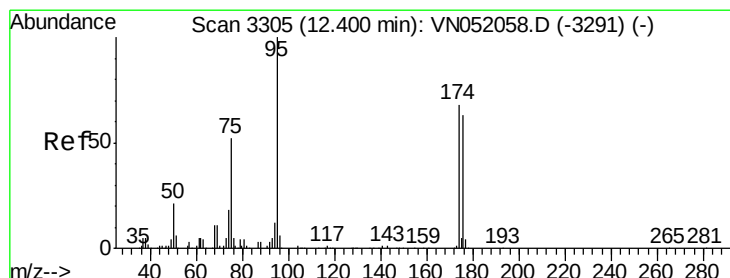
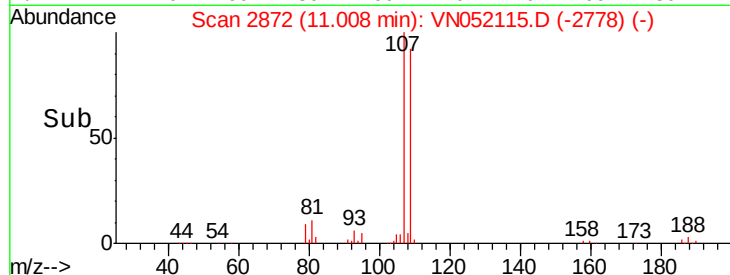
60000

40000

20000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 52.763 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

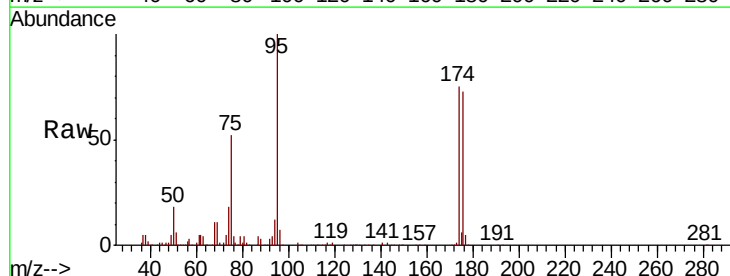
Tgt Ion: 95 Resp: 254368

Ion Ratio Lower Upper

95 100

174 74.8 0.0 131.8

176 73.1 0.0 126.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

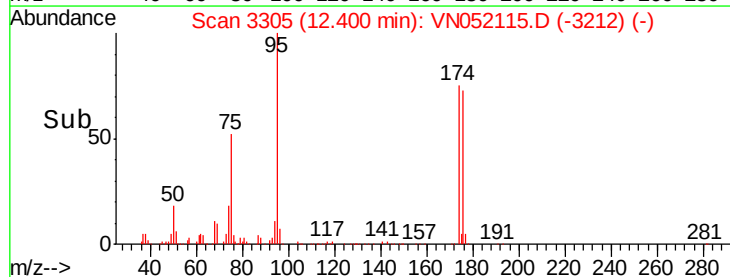
150000

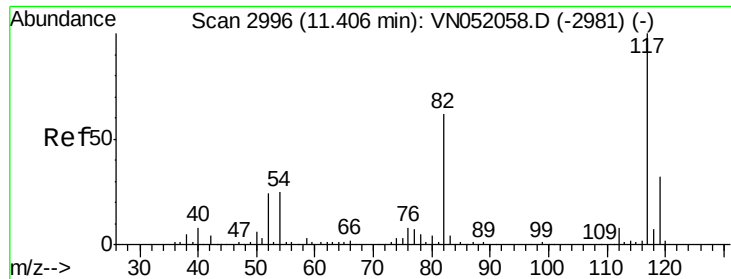
100000

50000

0

Time--> 12.35 12.40 12.45

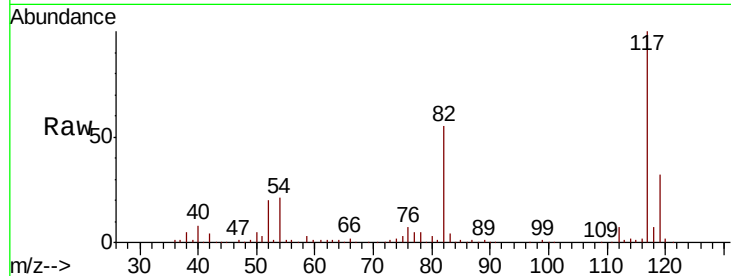




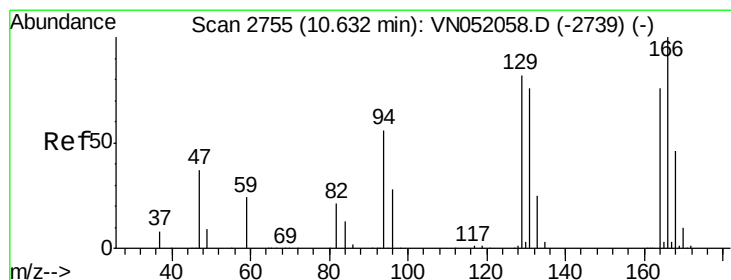
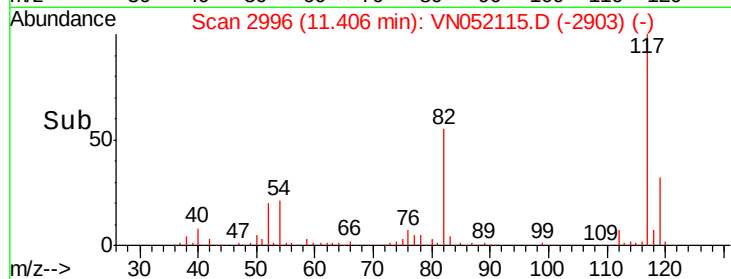
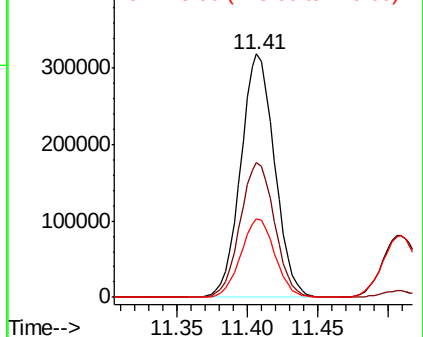
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 536670
Ion Ratio Lower Upper
117 100
82 55.2 49.9 74.9
119 32.1 25.7 38.5

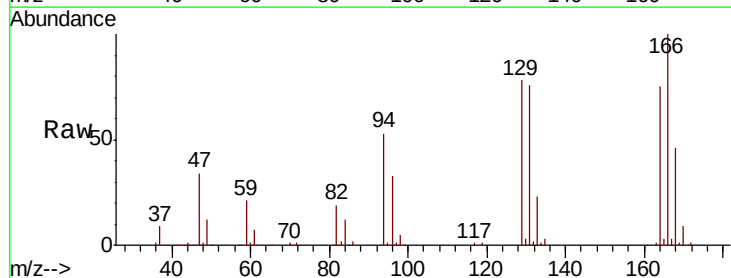


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

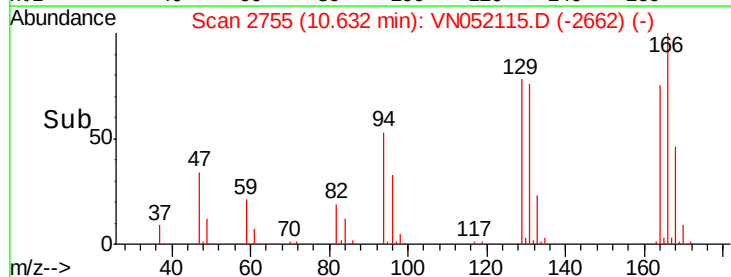
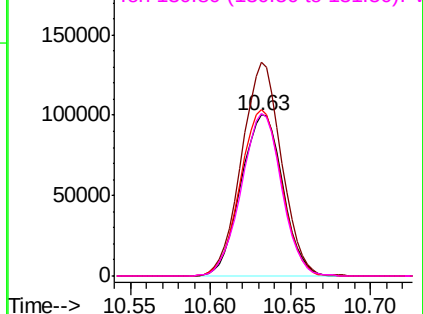


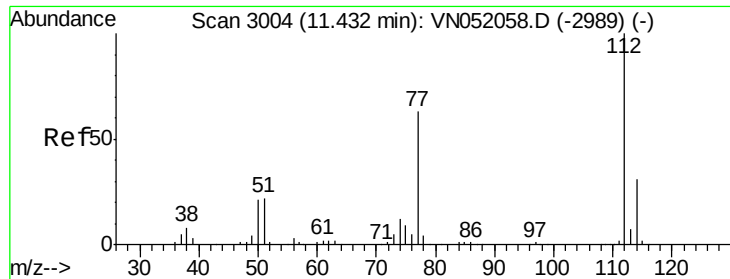
#64
Tetrachloroethene
Concen: 55.282 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion:164 Resp: 179733
Ion Ratio Lower Upper
164 100
166 132.6 105.4 158.0
129 103.3 86.1 129.1
131 101.3 80.3 120.5



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

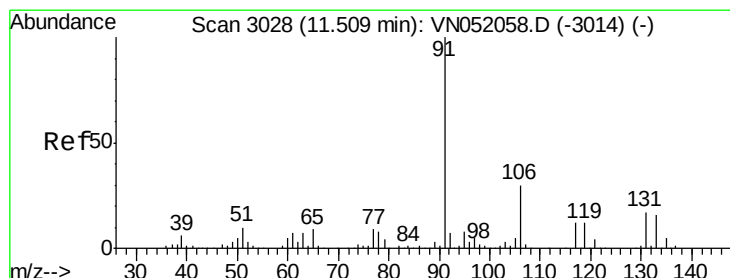
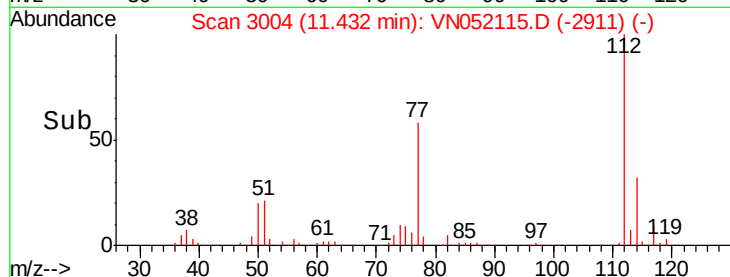
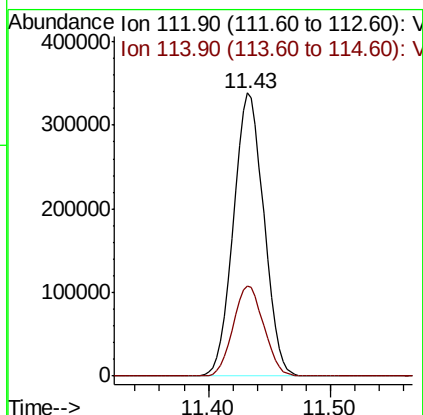
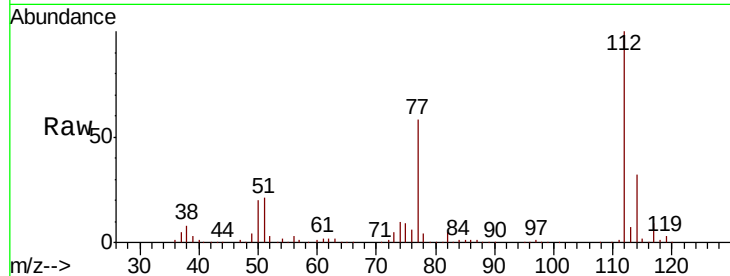




#65
Chlorobenzene
Concen: 51.649 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

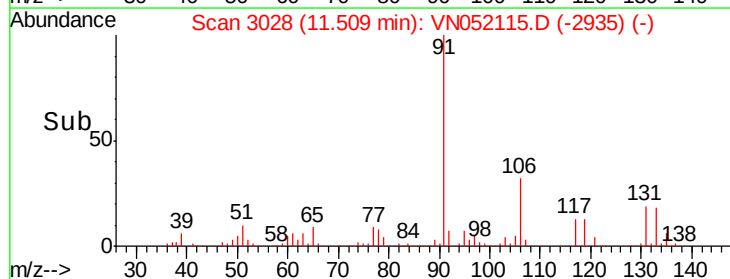
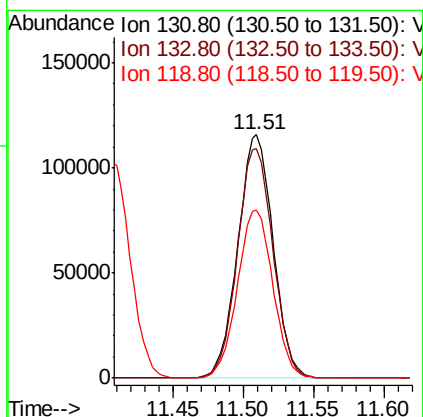
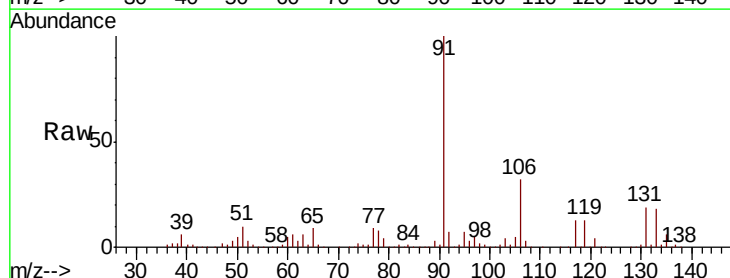
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

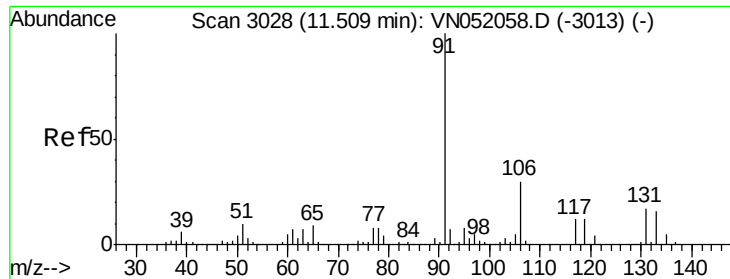
Tot Ion:112 Resp: 583811
Ion Ratio Lower Upper
112 100
114 32.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 57.097 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion:131 Resp: 202653
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 69.7 34.4 103.2





#67

Ethyl Benzene

Concen: 50.526 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

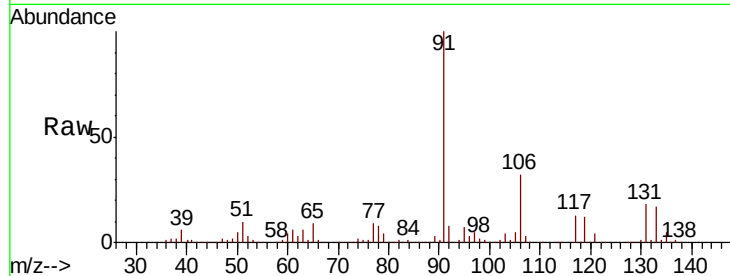
VSTDCCC050

Tot Ion: 91 Resp: 1018482

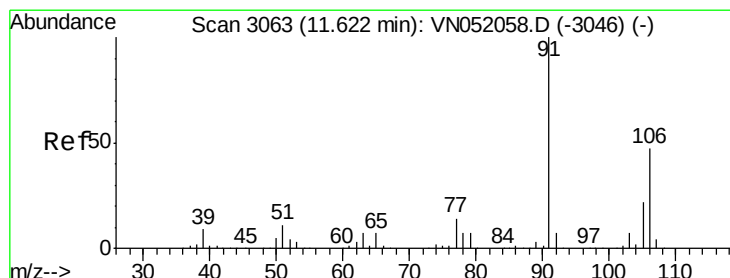
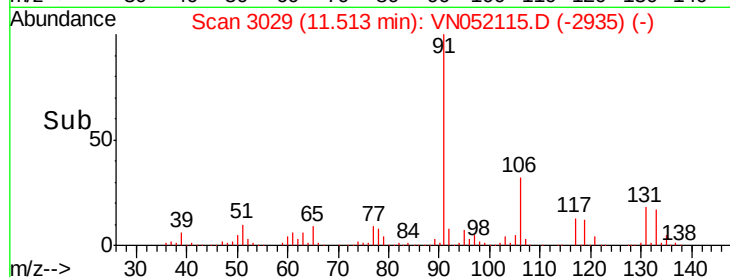
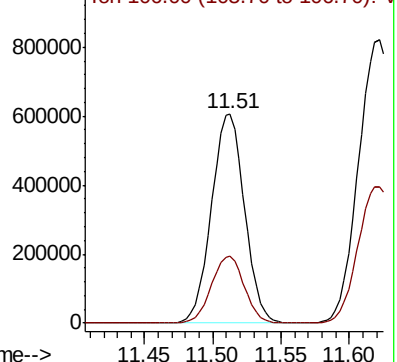
Ion Ratio Lower Upper

91 100

106 31.9 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3013) (-)



#68

m/p-Xylenes

Concen: 108.476 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052115.D

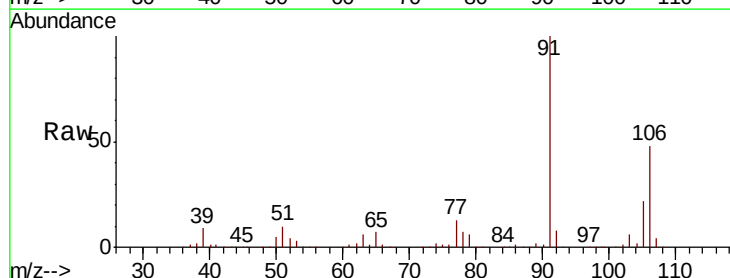
Acq: 2 Nov 2018 8:48

Tgt Ion: 106 Resp: 782652

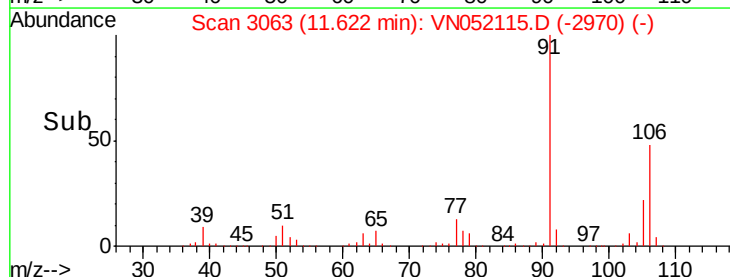
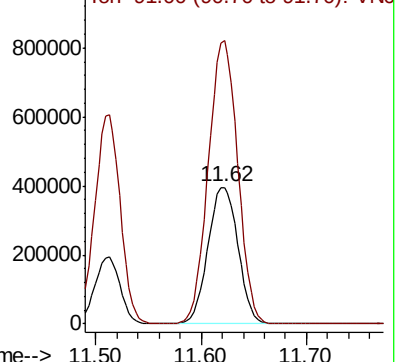
Ion Ratio Lower Upper

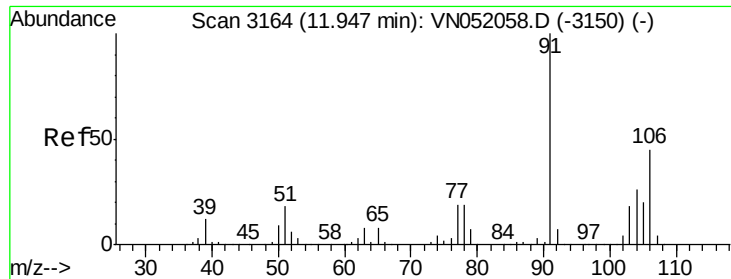
106 100

91 202.9 168.7 253.1



Abundance Ion 106.00 (105.70 to 106.70): VN052058.D (-3046) (-)

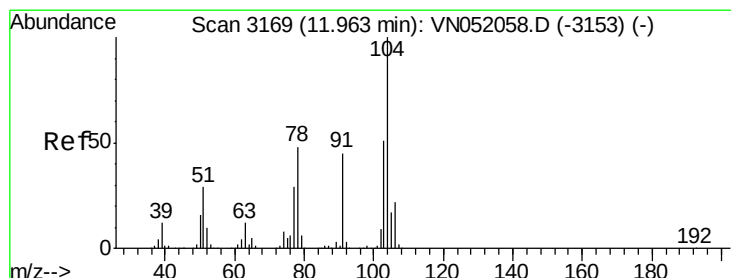
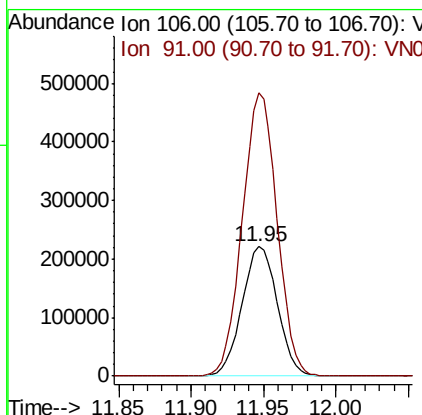
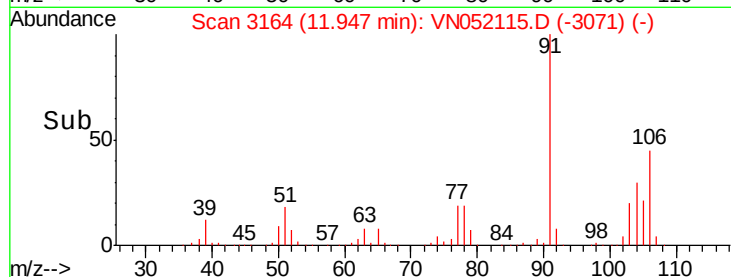
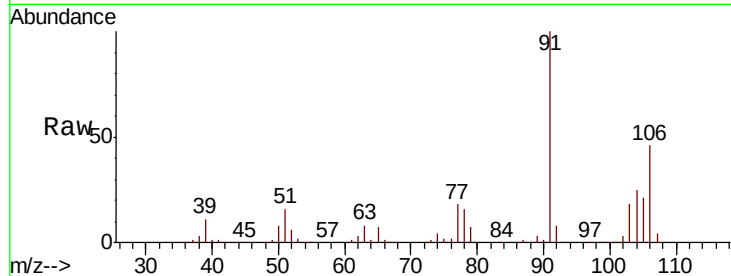




#69
o-Xylene
Concen: 52.746 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

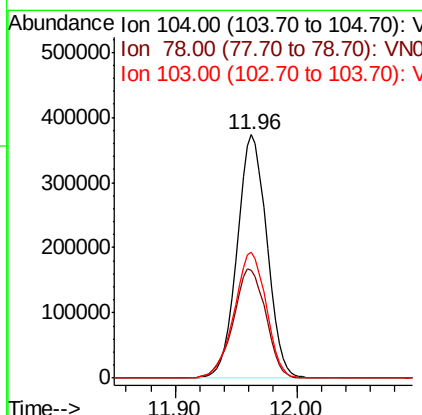
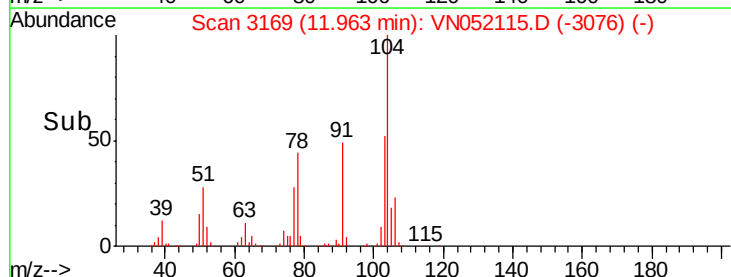
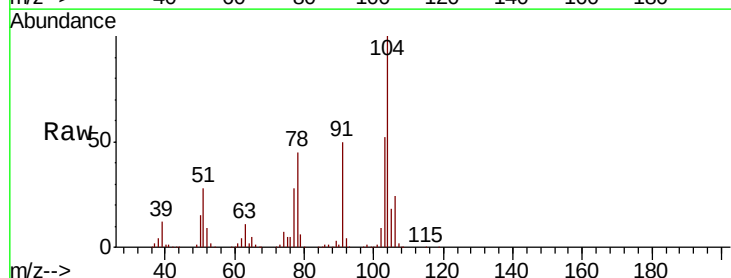
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

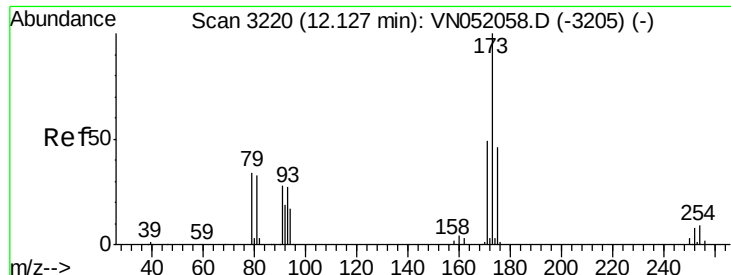
Tot Ion:106 Resp: 376576
Ion Ratio Lower Upper
106 100
91 214.4 109.6 328.6



#70
Styrene
Concen: 54.166 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion:104 Resp: 625715
Ion Ratio Lower Upper
104 100
78 49.6 43.0 64.6
103 56.1 45.1 67.7





#71

Bromoform

Concen: 52.918 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

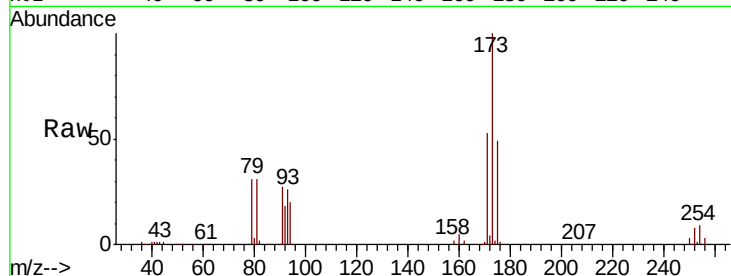
Tot Ion:173 Resp: 121001

Ion Ratio Lower Upper

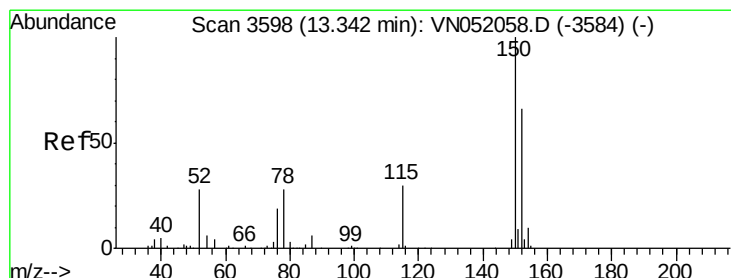
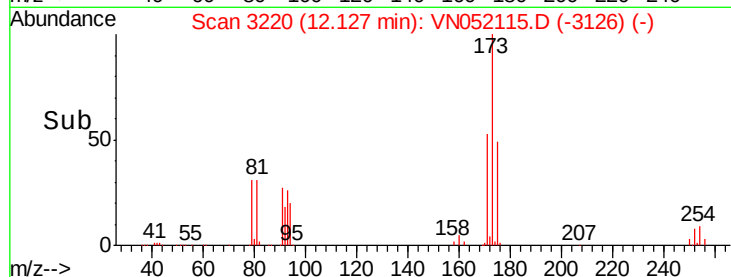
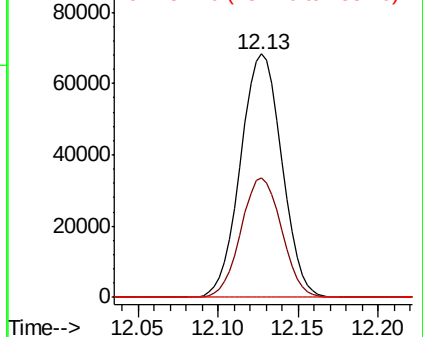
173 100

175 48.1 23.9 71.7

254 0.0 0.0 0.0



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: VN052115.D

Acq: 2 Nov 2018 8:48

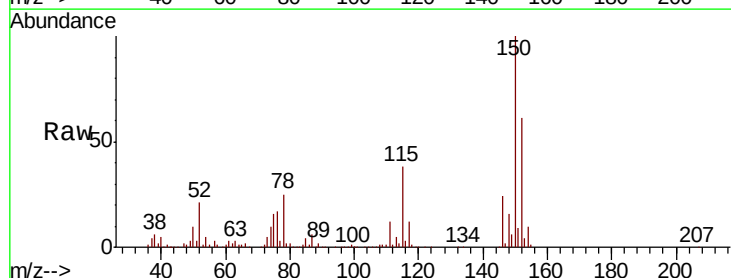
Tgt Ion:152 Resp: 243428

Ion Ratio Lower Upper

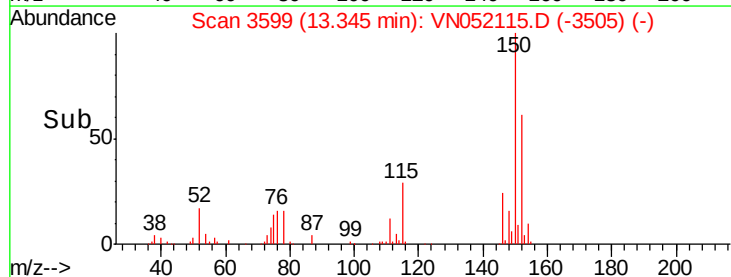
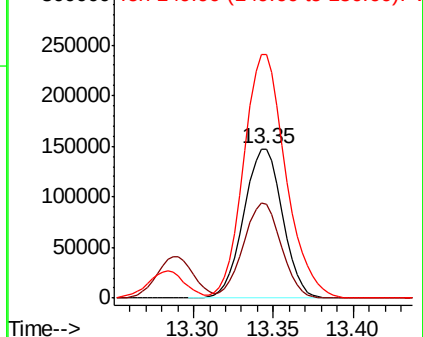
152 100

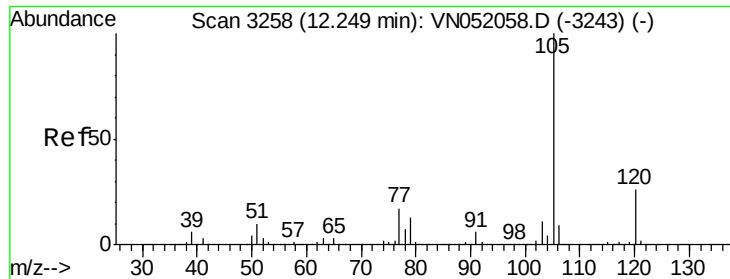
115 62.5 31.6 95.0

150 177.0 0.0 345.0



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





#73

Isopropylbenzene

Concen: 48.739 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

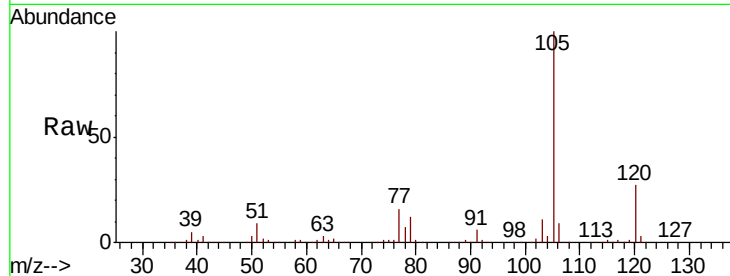
VSTDCCC050

Tot Ion:105 Resp: 1014587

Ion Ratio Lower Upper

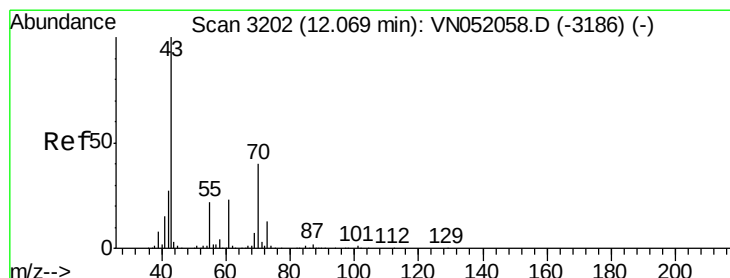
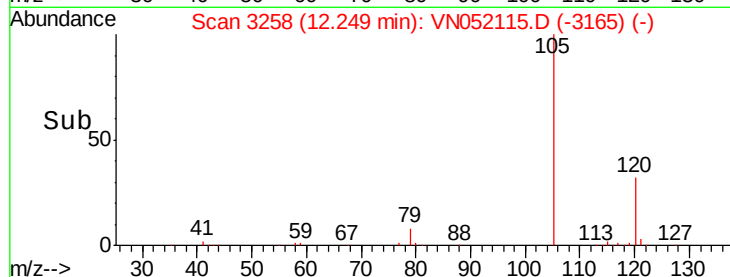
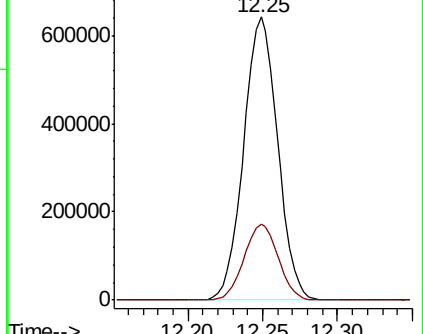
105 100

120 27.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.015 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Tgt Ion: 43 Resp: 312491

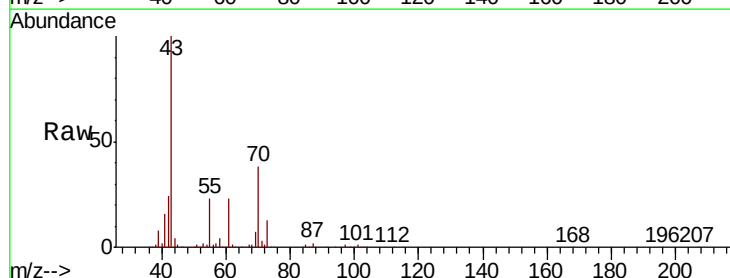
Ion Ratio Lower Upper

43 100

70 39.2 31.9 47.9

55 22.9 18.4 27.6

61 22.7 18.2 27.4

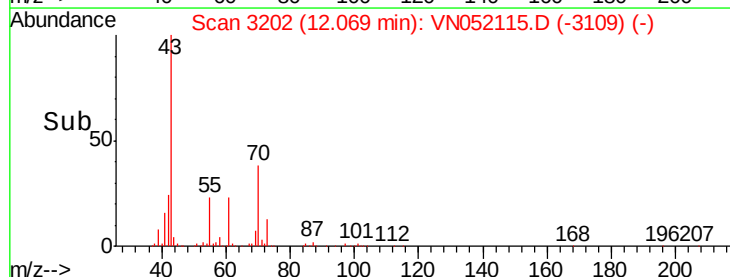
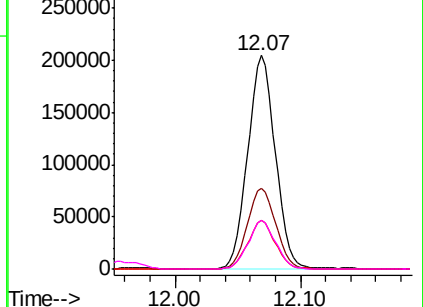


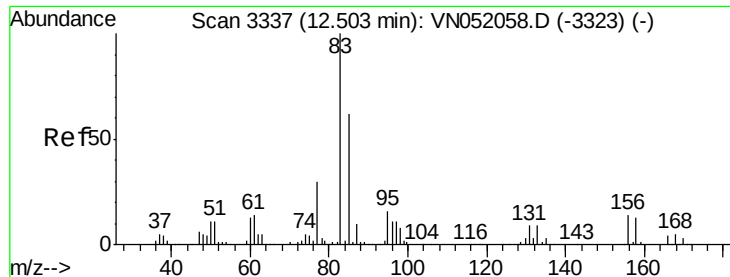
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.417 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

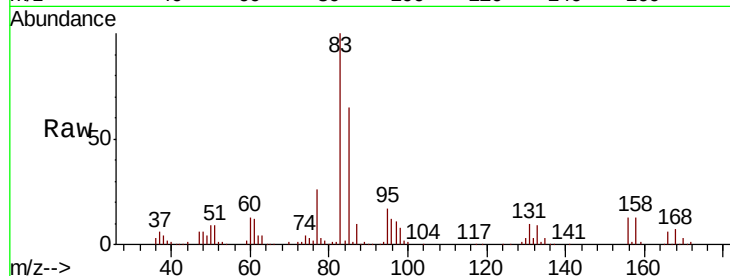
Tot Ion: 83 Resp: 226705

Ion Ratio Lower Upper

83 100

131 9.9 4.5 13.4

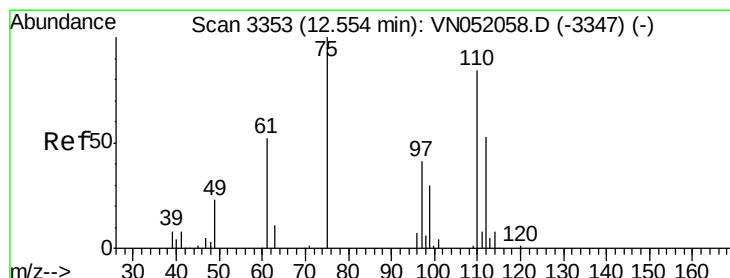
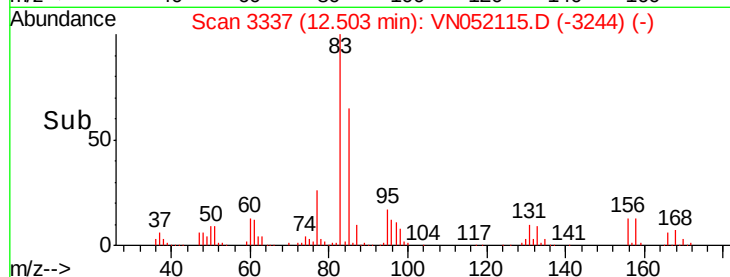
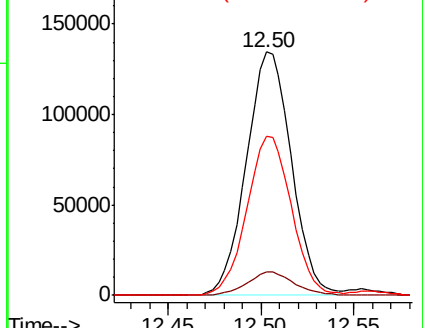
85 64.5 31.3 93.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 66.670 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052115.D

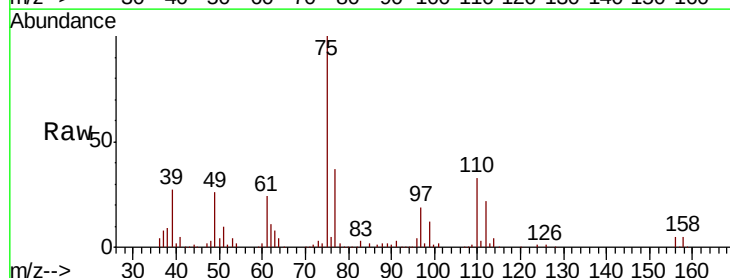
Acq: 2 Nov 2018 8:48

Tgt Ion: 75 Resp: 297085

Ion Ratio Lower Upper

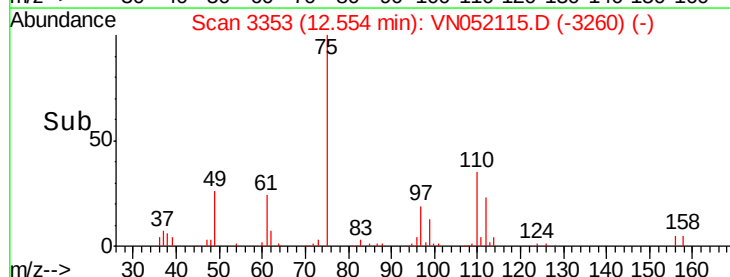
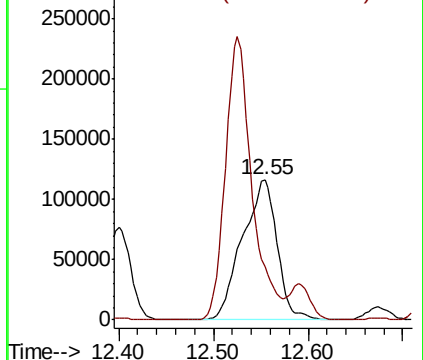
75 100

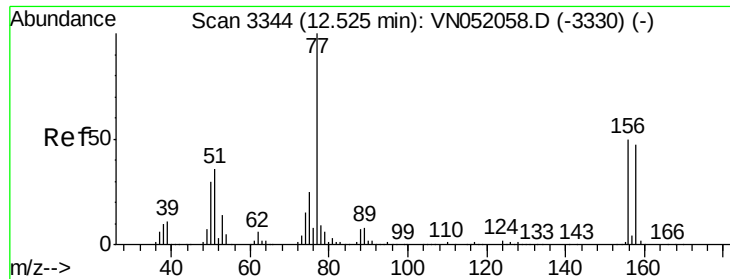
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.487 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

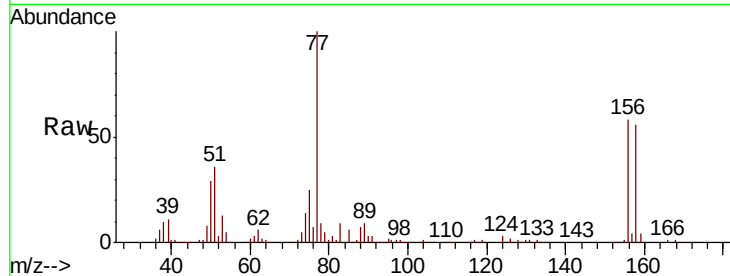
Tot Ion:156 Resp: 228604

Ion Ratio Lower Upper

156 100

77 201.2 119.6 358.6

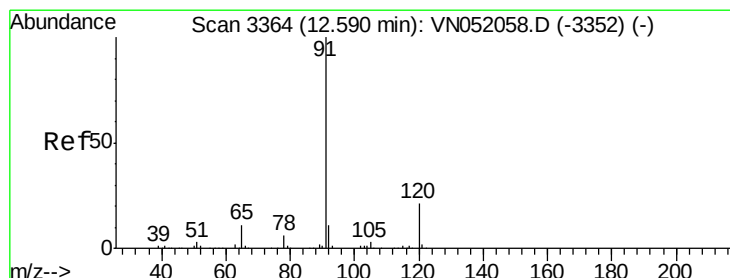
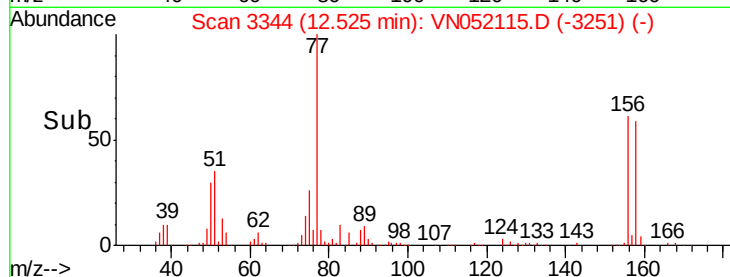
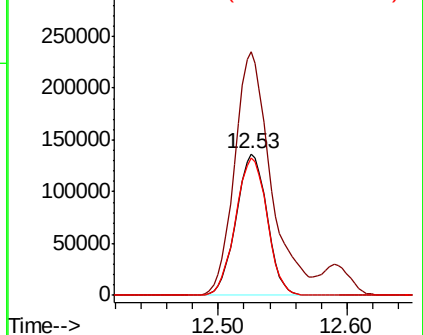
158 98.5 47.8 143.4



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: 47.130 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052115.D

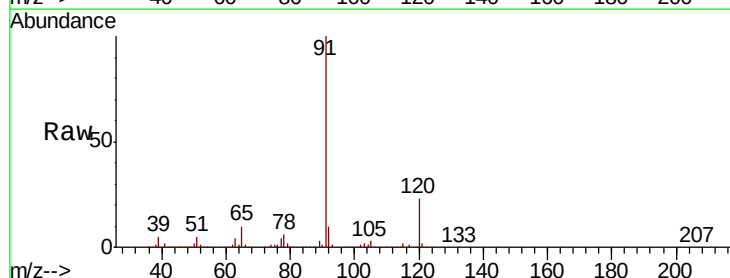
Acq: 2 Nov 2018 8:48

Tgt Ion: 91 Resp: 1188800

Ion Ratio Lower Upper

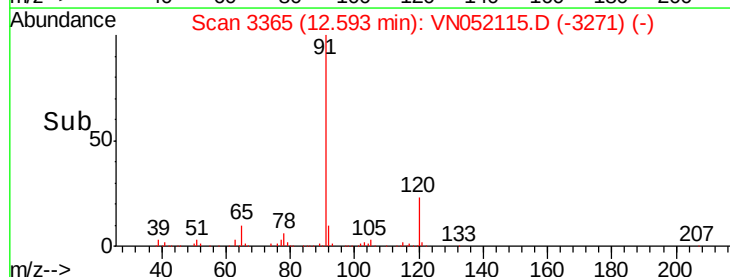
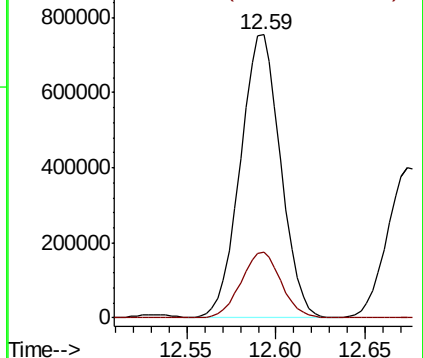
91 100

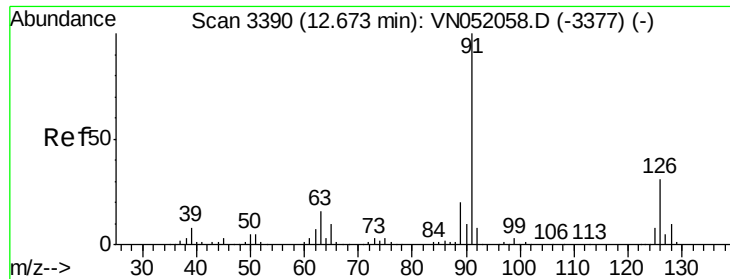
120 23.0 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.216 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

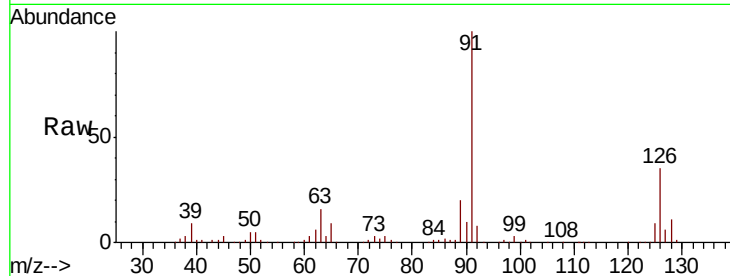
VSTDCCC050

Tot Ion: 91 Resp: 679575

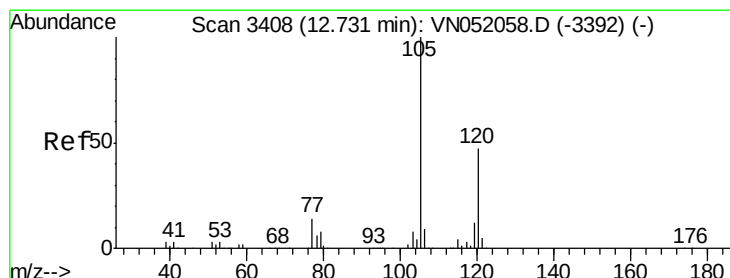
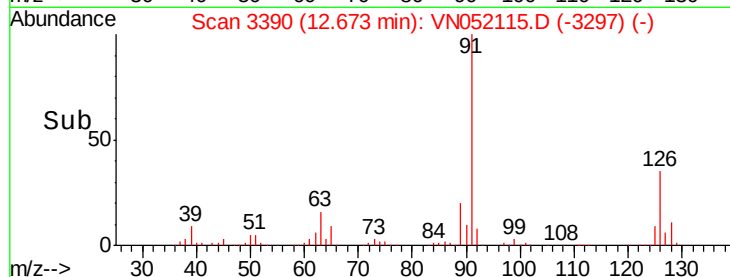
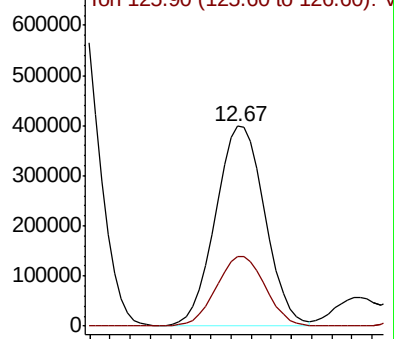
Ion Ratio Lower Upper

91 100

126 34.9 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN052058.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.431 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052115.D

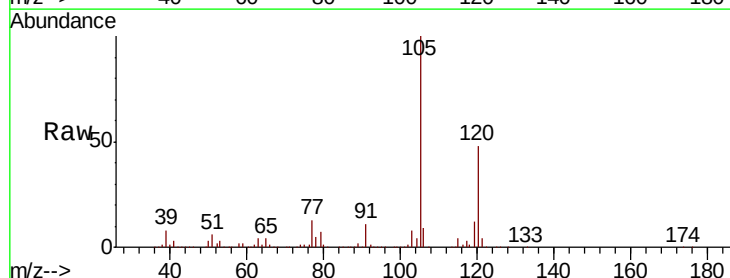
Acq: 2 Nov 2018 8:48

Tgt Ion: 105 Resp: 820405

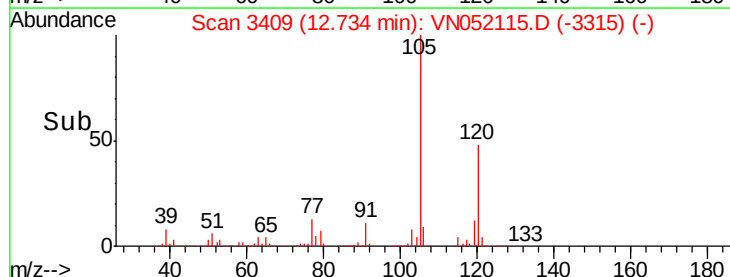
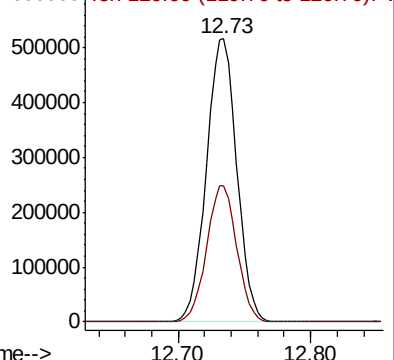
Ion Ratio Lower Upper

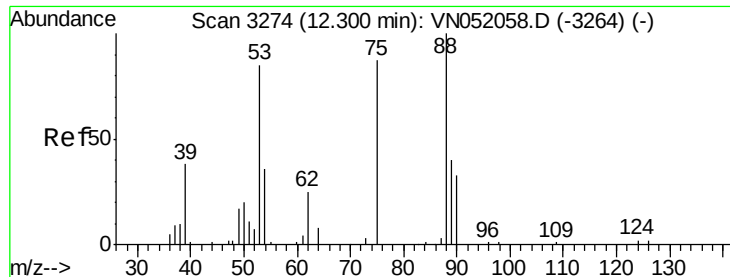
105 100

120 47.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN052058.D (-3392) (-)

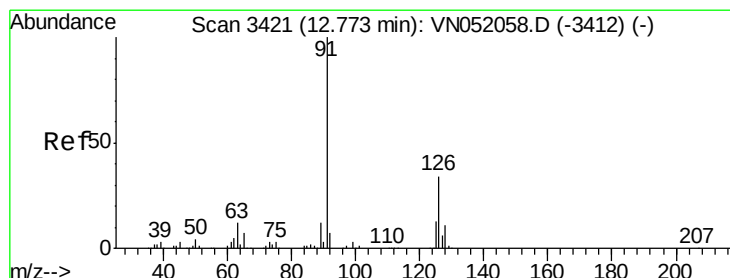
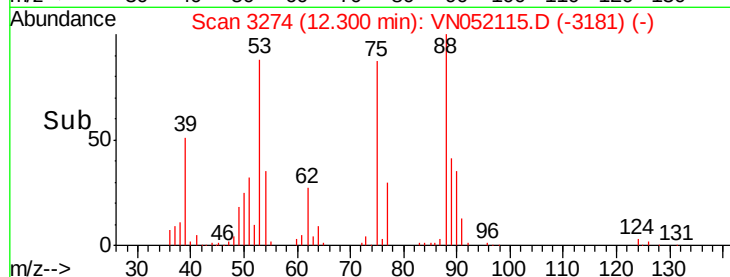
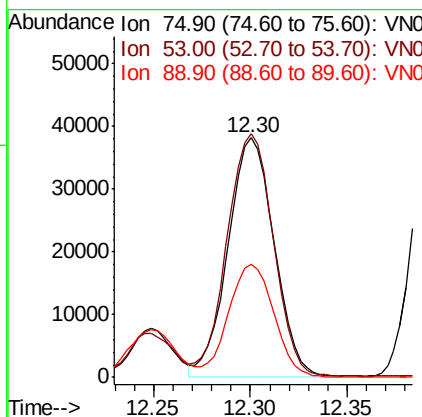
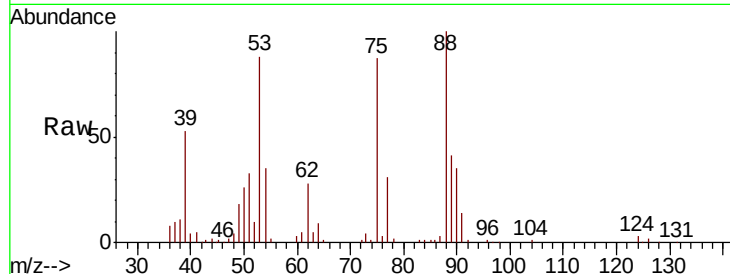




#81
trans-1,4-Dichloro-2-butene
Concen: 47.351 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

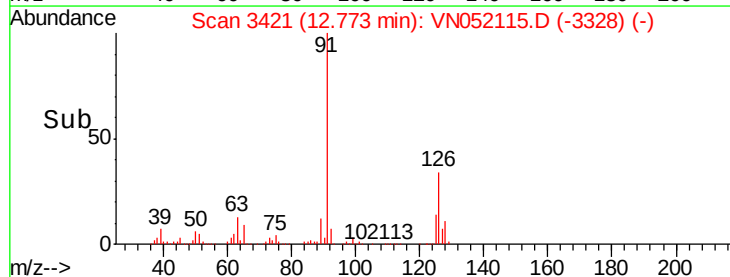
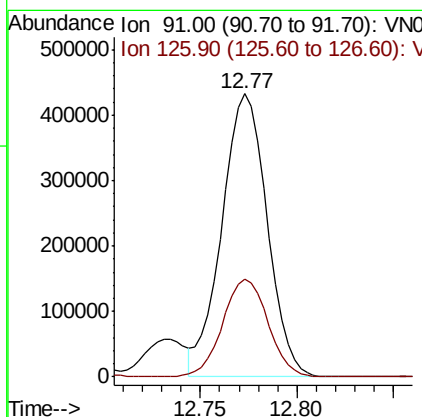
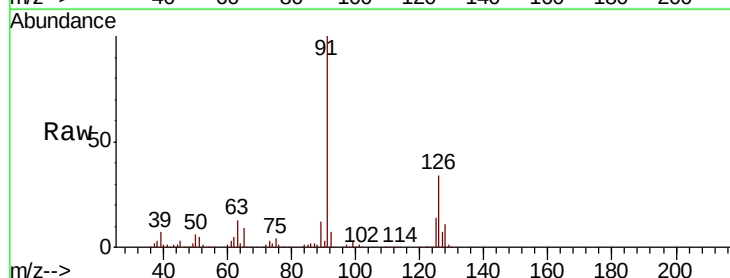
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

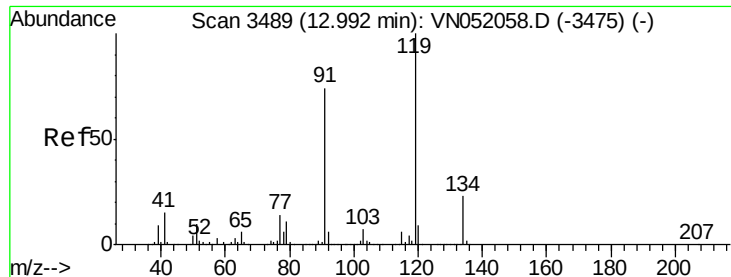
Tot Ion: 75 Resp: 63570
Ion Ratio Lower Upper
75 100
53 101.2 81.8 122.6
89 46.6 36.6 54.8



#82
4-Chlorotoluene
Concen: 46.921 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 91 Resp: 703554
Ion Ratio Lower Upper
91 100
126 34.6 15.7 47.1

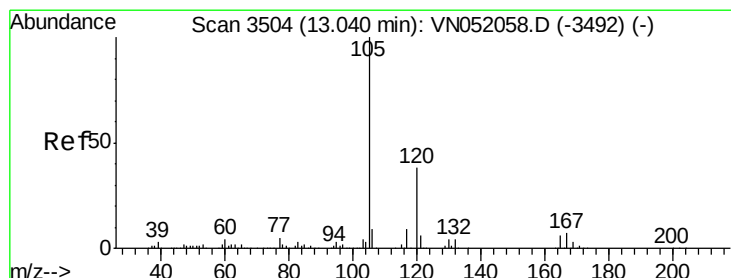
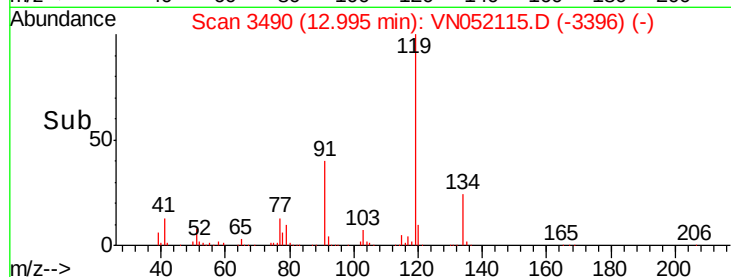
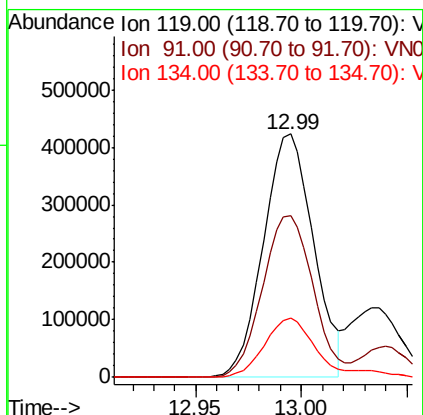
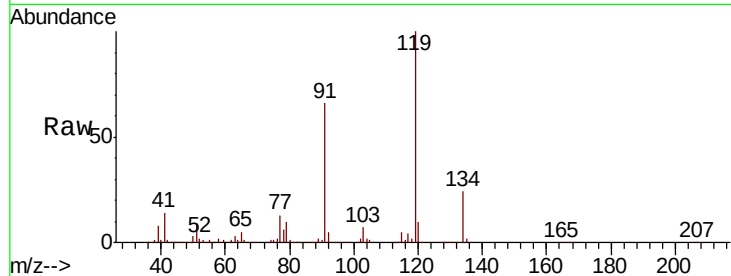




#83
 tert-Butylbenzene
 Concen: 49.266 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

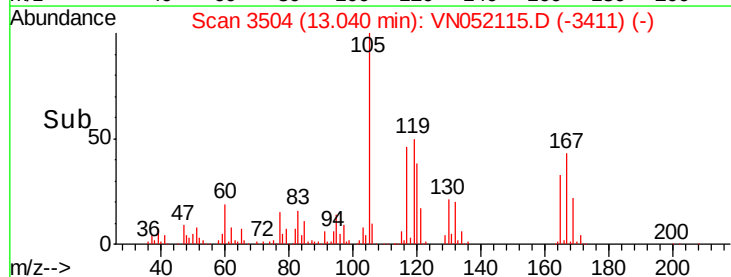
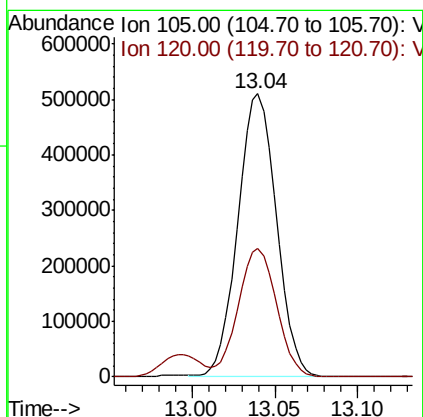
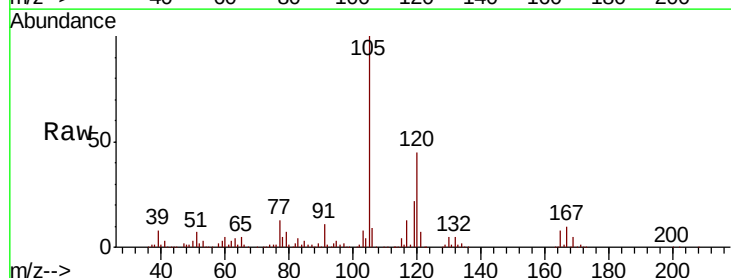
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

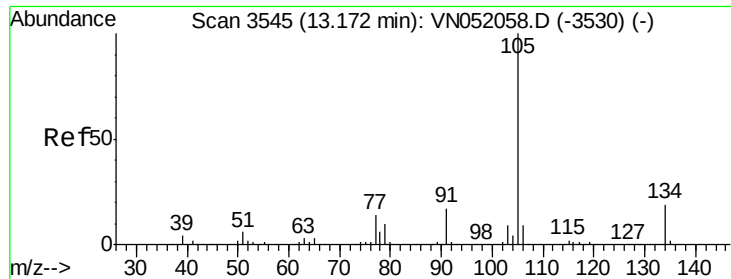
Tot Ion:119 Resp: 701046
 Ion Ratio Lower Upper
 119 100
 91 66.9 36.6 109.9
 134 24.1 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 48.976 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion:105 Resp: 825788
 Ion Ratio Lower Upper
 105 100
 120 45.2 21.9 65.5

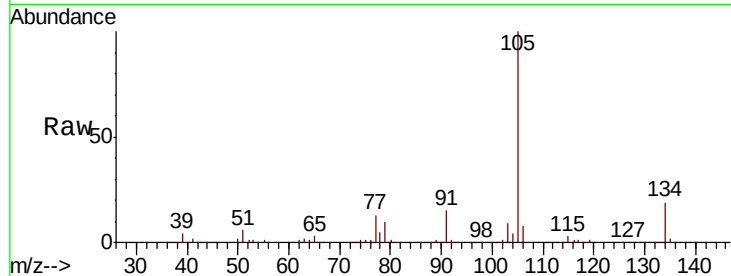




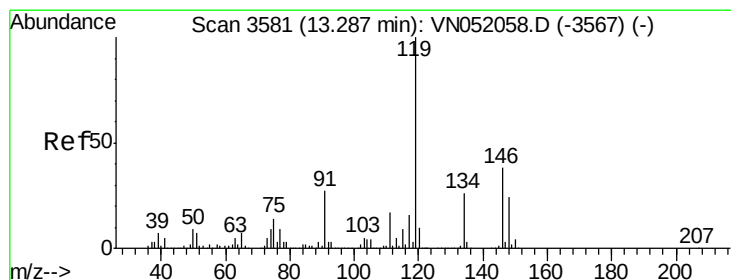
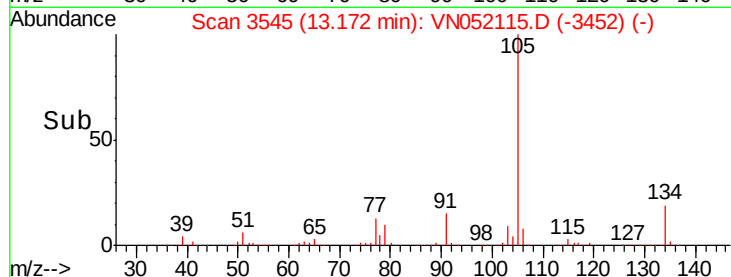
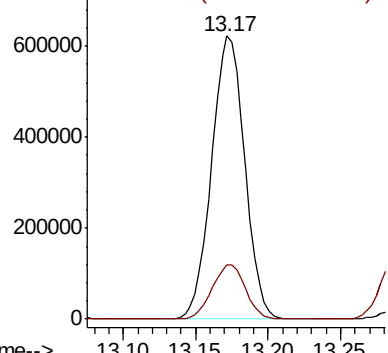
#85
 sec-Butylbenzene
 Concen: 48.518 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 986253
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.1 27.3

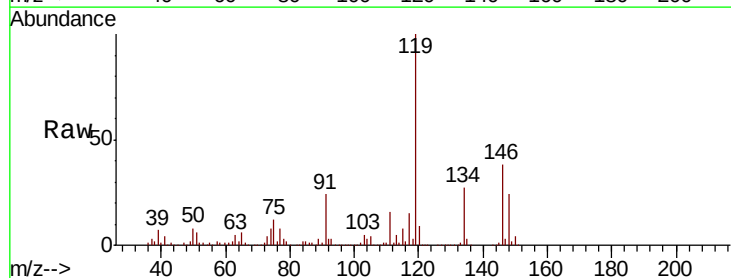


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 134.00 (133.70 to 134.70): V

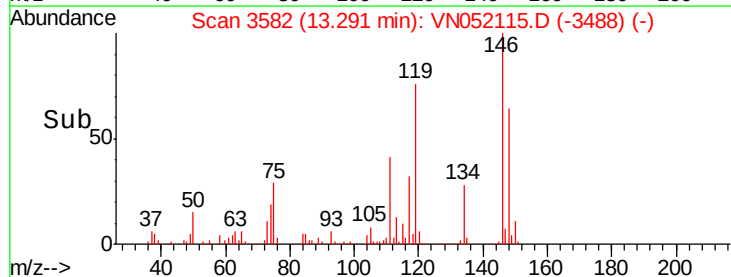
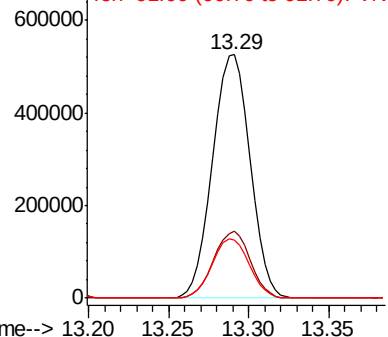


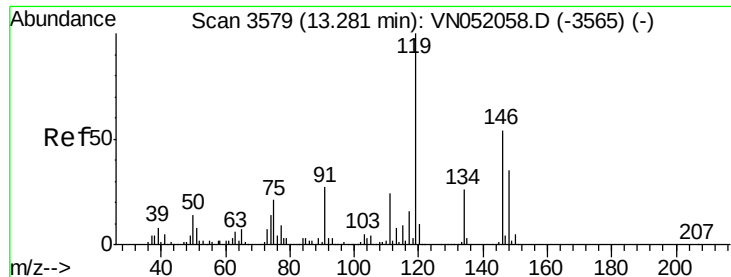
#86
 p-Isopropyltoluene
 Concen: 50.814 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion:119 Resp: 841232
 Ion Ratio Lower Upper
 119 100
 134 26.9 12.8 38.3
 91 24.0 13.4 40.2



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

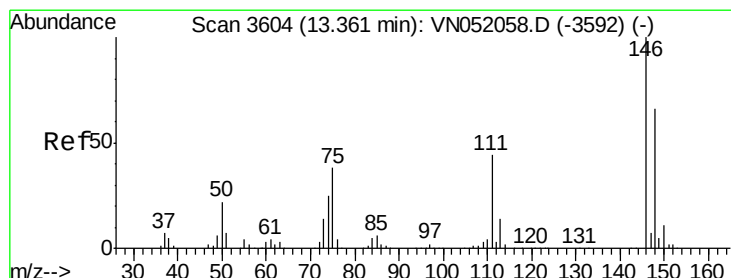
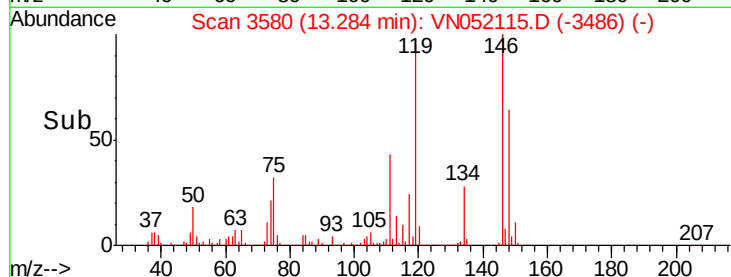
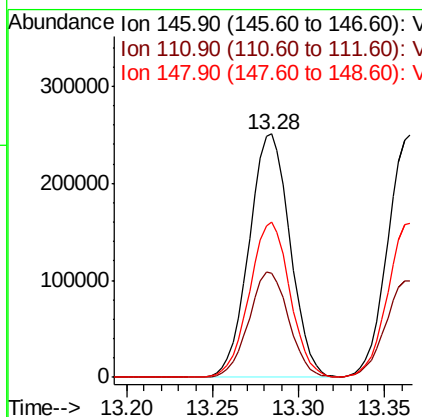
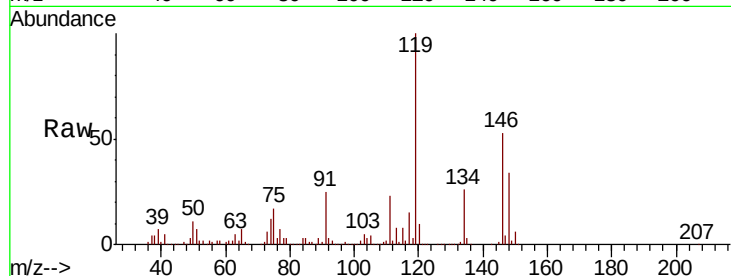




#87
 1,3-Dichlorobenzene
 Concen: 52.074 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

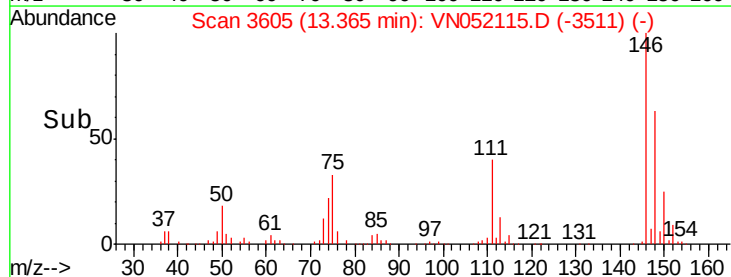
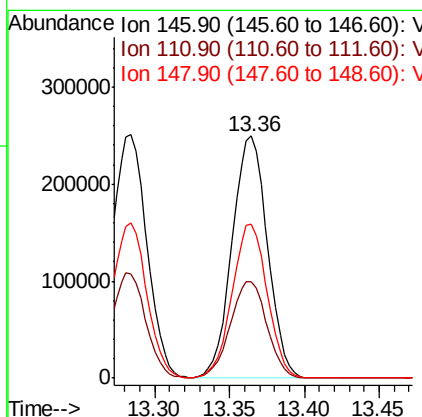
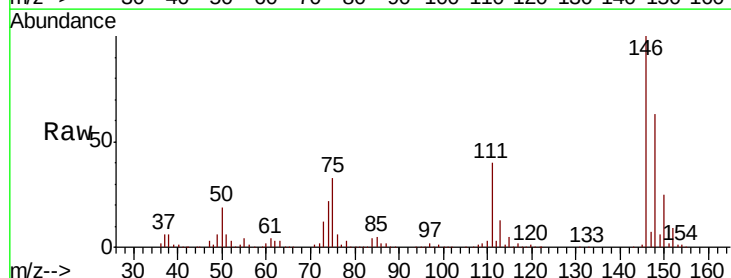
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

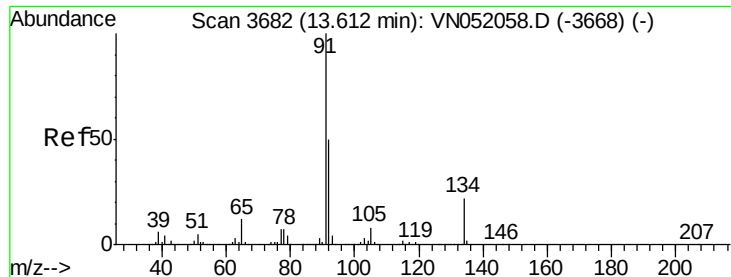
Tot Ion:146 Resp: 413620
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.9 68.8
 148 63.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 51.623 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion:146 Resp: 410968
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.9 65.8
 148 63.2 32.6 98.0

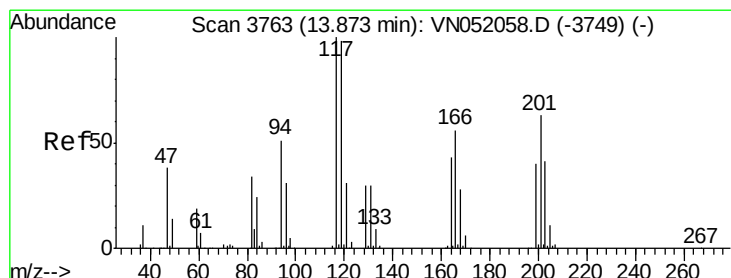
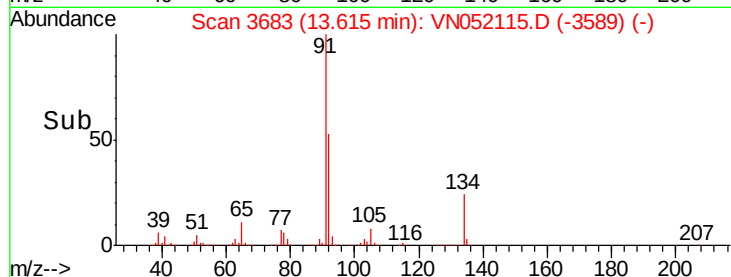
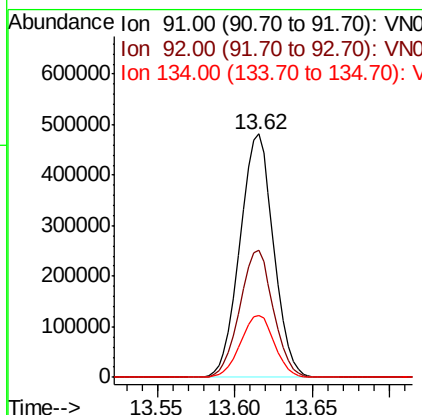
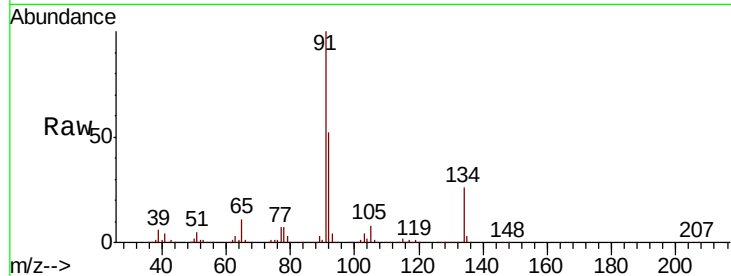




#89
n-Butylbenzene
Concen: 46.058 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

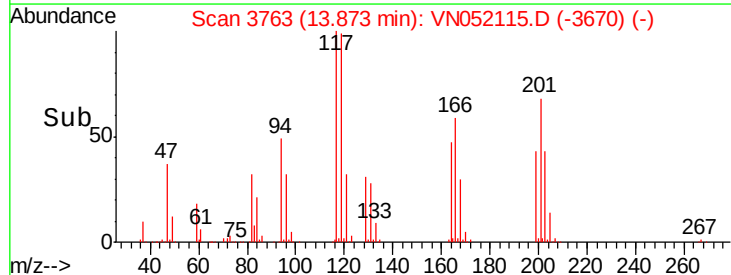
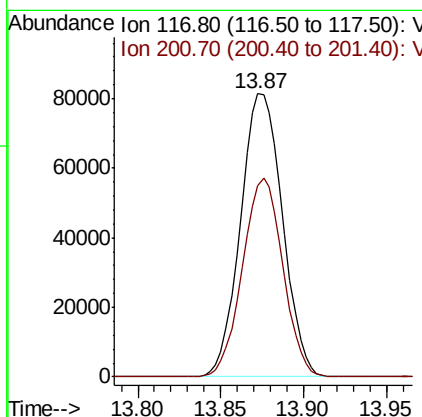
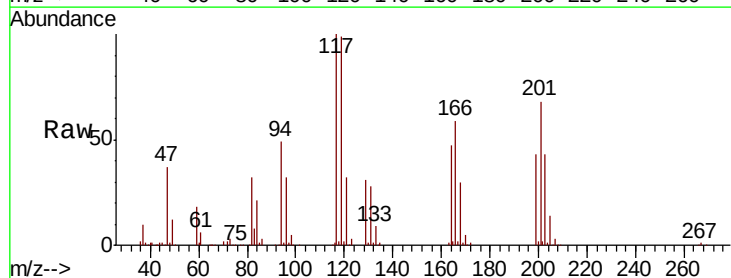
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

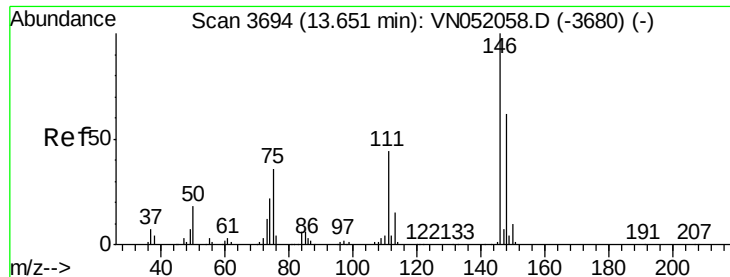
Tot Ion: 91 Resp: 727173
Ion Ratio Lower Upper
91 100
92 52.3 25.3 75.8
134 25.7 11.2 33.5



#90
Hexachloroethane
Concen: 50.534 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052115.D
Acq: 2 Nov 2018 8:48

Tgt Ion: 117 Resp: 143372
Ion Ratio Lower Upper
117 100
201 67.5 31.1 93.5

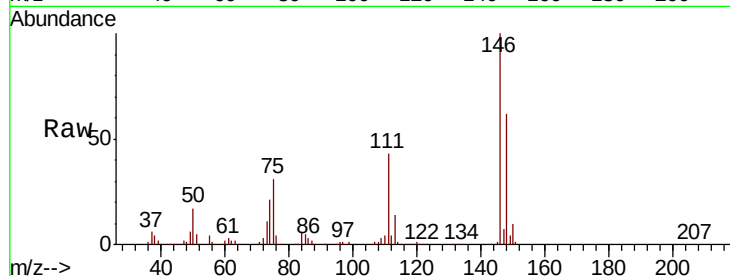




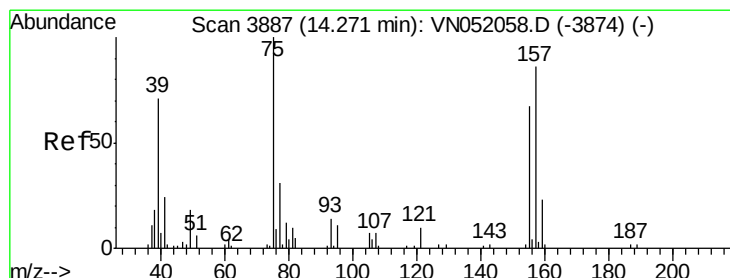
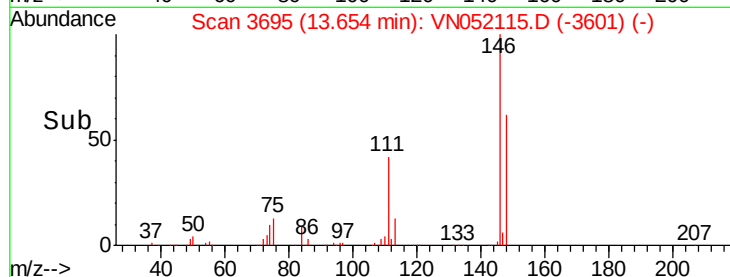
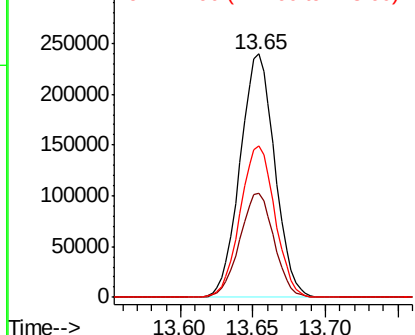
#91
 1,2-Dichlorobenzene
 Concen: 53.355 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 398444
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.5 67.5
 148 62.4 30.9 92.8

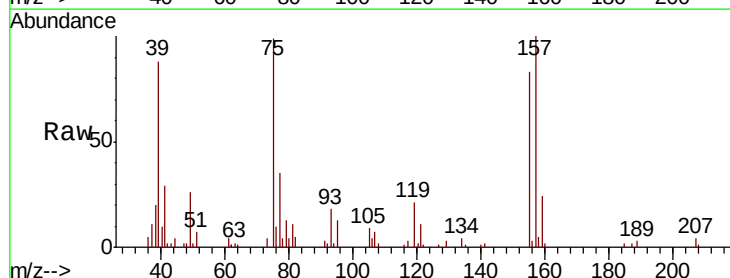


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

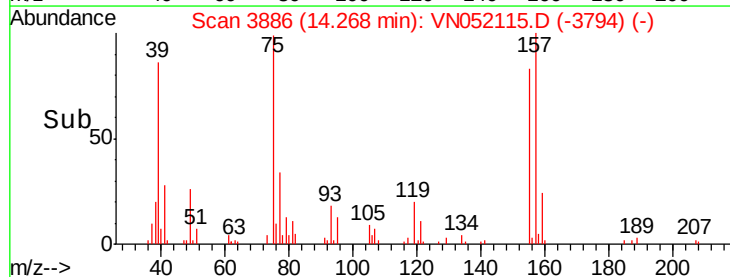
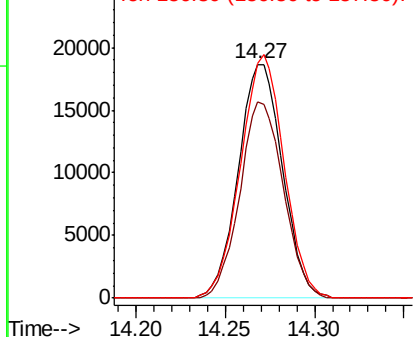


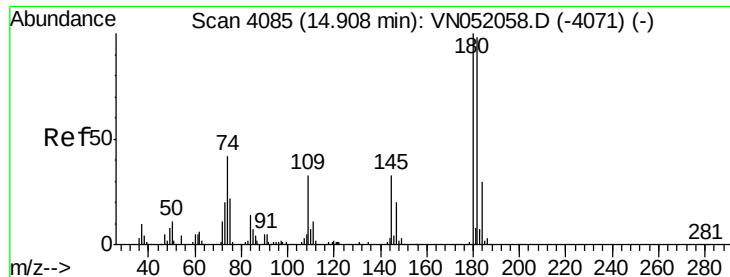
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.867 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion: 75 Resp: 32212
 Ion Ratio Lower Upper
 75 100
 155 82.8 34.0 102.0
 157 102.8 42.1 126.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

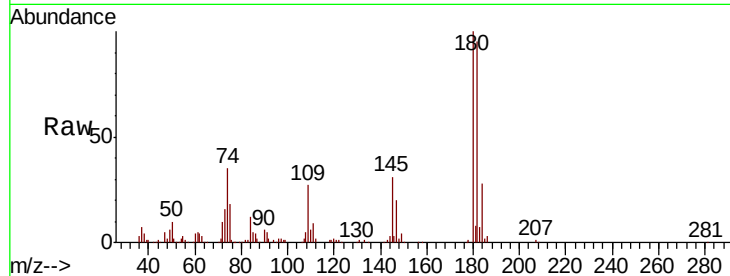




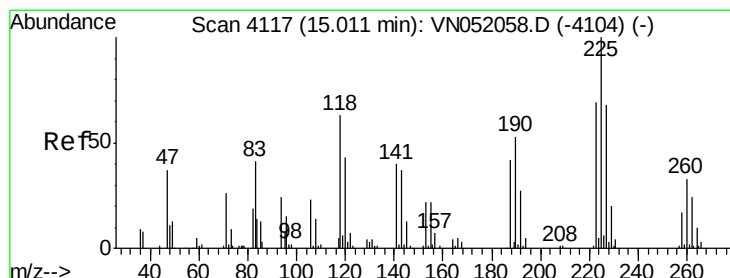
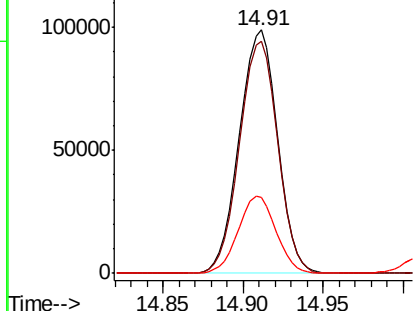
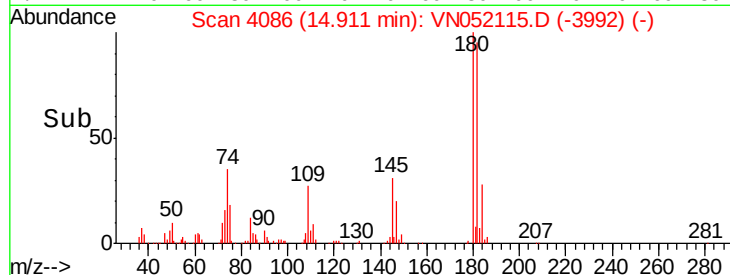
#93
 1,2,4-Trichlorobenzene
 Concen: 57.922 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 161070
 Ion Ratio Lower Upper
 180 100
 182 95.1 49.1 147.4
 145 31.4 16.4 49.2

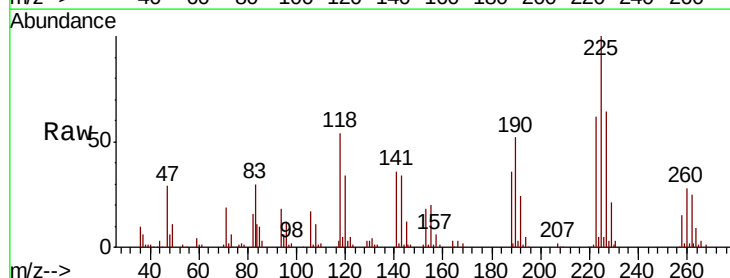


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

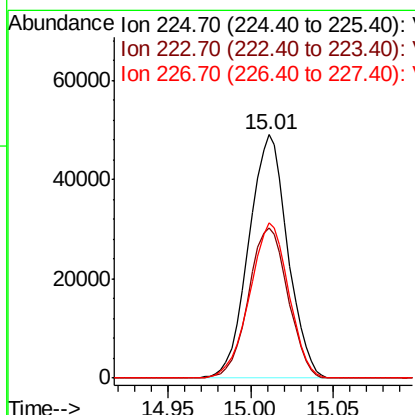
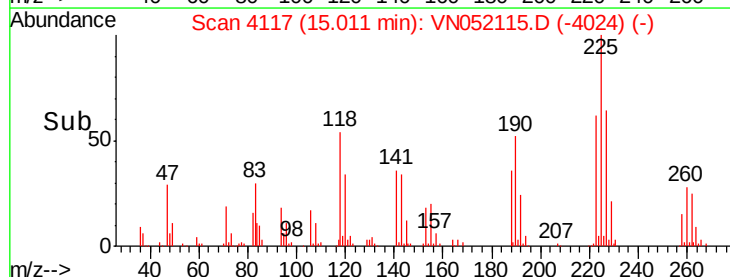


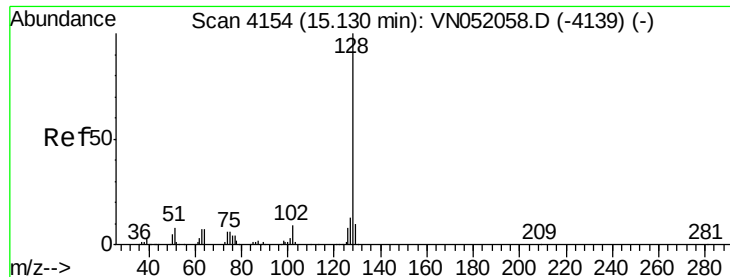
#94
 Hexachlorobutadiene
 Concen: 51.341 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052115.D
 Acq: 2 Nov 2018 8:48

Tgt Ion:225 Resp: 79907
 Ion Ratio Lower Upper
 225 100
 223 62.4 33.1 99.3
 227 63.9 32.6 97.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 55.926 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

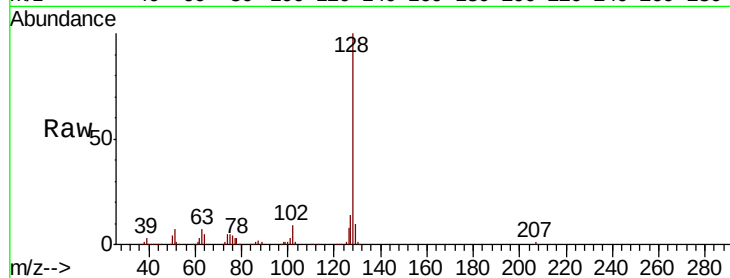
Tot Ion:128 Resp: 390077

Ion Ratio Lower Upper

128 100

127 13.9 10.5 15.7

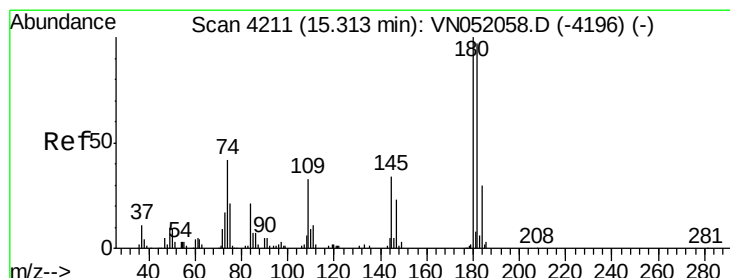
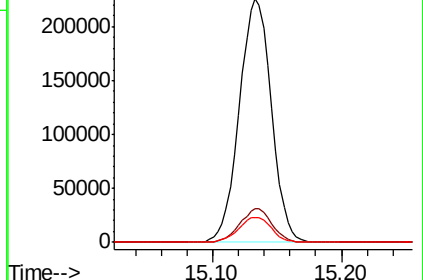
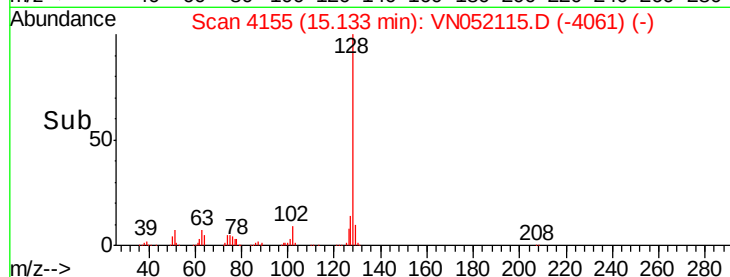
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.597 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052115.D

Acq: 2 Nov 2018 8:48

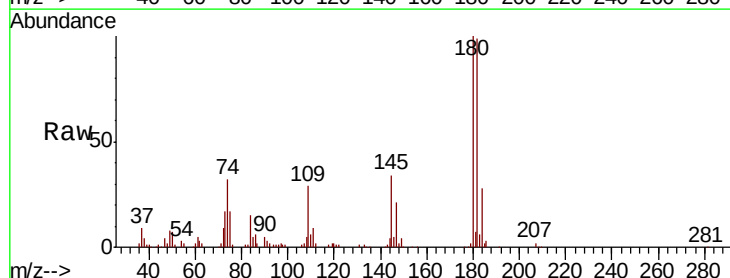
Tgt Ion:180 Resp: 138215

Ion Ratio Lower Upper

180 100

182 95.4 47.2 141.6

145 32.7 16.6 49.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

