

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050951.D
 Acq On : 30 Aug 2018 10:22
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 31 01:31:01 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	601101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	823604	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	765781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	409060	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	332841	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	7.59	113	323332	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	10.09	98	1206901	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	408601	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	388858	48.34	ug/l	100
3) Chloromethane	2.06	50	425230	42.86	ug/l	99
4) Vinyl Chloride	2.18	62	429920	45.74	ug/l	100
5) Bromomethane	2.56	94	244870	45.75	ug/l	98
6) Chloroethane	2.70	64	247860	45.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	575635	47.83	ug/l	100
8) Diethyl Ether	3.41	74	197454	48.25	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	361228	48.04	ug/l	99
10) Methyl Iodide	3.95	142	295734	45.47	ug/l	100
11) Tert butyl alcohol	4.79	59	117384	254.74	ug/l	100
12) 1,1-Dichloroethene	3.73	96	319386	47.31	ug/l	98
13) Acrolein	3.61	56	52379	198.62	ug/l	99
14) Allyl chloride	4.32	41	504425	47.95	ug/l	99
15) Acrylonitrile	4.99	53	594600	253.90	ug/l	99
16) Acetone	3.82	43	559554	328.76	ug/l	99
17) Carbon Disulfide	4.05	76	942460	41.64	ug/l	100
18) Methyl Acetate	4.33	43	370878	54.28	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	869411	51.20	ug/l	100
20) Methylene Chloride	4.55	84	371521	45.55	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	341745	46.80	ug/l	100
22) Diisopropyl ether	5.96	45	1062508	50.68	ug/l	97
23) Vinyl Acetate	5.90	43	3304039	244.72	ug/l	99
24) 1,1-Dichloroethane	5.85	63	633830	47.09	ug/l	99
25) 2-Butanone	6.84	43	744083	255.15	ug/l	100
26) 2,2-Dichloropropane	6.83	77	514259	47.55	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	383689	48.74	ug/l	100
28) Bromochloromethane	7.20	49	270648	47.32	ug/l	99
29) Tetrahydrofuran	7.21	42	437549	261.69	ug/l	99
30) Chloroform	7.37	83	639855	48.01	ug/l	98
31) Cyclohexane	7.65	56	564934	46.22	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	542751	47.41	ug/l	99
36) 1,1-Dichloropropene	7.80	75	489683	50.38	ug/l	99
37) Ethyl Acetate	6.93	43	285870	51.20	ug/l	99
38) Carbon Tetrachloride	7.77	117	488103	49.68	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	546255	51.95	ug/l	99
40) Benzene	8.04	78	1472719	50.25	ug/l	99
41) Methacrylonitrile	7.18	41	163532	54.13	ug/l	93
42) 1,2-Dichloroethane	8.13	62	439178	50.12	ug/l	99
43) Isopropyl Acetate	8.17	43	497593	51.84	ug/l #	88
44) Trichloroethene	8.84	130	388110	50.21	ug/l	99
45) 1,2-Dichloropropane	9.12	63	386373	50.16	ug/l	99
46) Dibromomethane	9.21	93	227618	50.29	ug/l	98
47) Bromodichloromethane	9.40	83	489416	51.63	ug/l	100
48) Methyl methacrylate	9.20	41	259885	53.12	ug/l	99
49) 1,4-Dioxane	9.20	88	75390	1130.47	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1469298	256.50	ug/l	99
52) Toluene	10.16	92	915437	52.73	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	491659	52.11	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	571406	52.89	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	332202	51.55	ug/l	99
56) Ethyl methacrylate	10.43	69	403048	48.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	551501	51.85	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	859640	235.75	ug/l	99
59) 2-Hexanone	10.75	43	1064093	279.04	ug/l	100
60) Dibromochloromethane	10.90	129	376837	52.23	ug/l	98
61) 1,2-Dibromoethane	11.01	107	324643	52.10	ug/l	100
64) Tetrachloroethene	10.63	164	355869	48.93	ug/l	99
65) Chlorobenzene	11.43	112	1002975	50.11	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	370733	50.62	ug/l	99
67) Ethyl Benzene	11.51	91	1708330	52.50	ug/l	100
68) m/p-Xylenes	11.62	106	1345286	108.92	ug/l	100
69) o-Xylene	11.95	106	633747	53.37	ug/l	100
70) Styrene	11.96	104	1037364	49.58	ug/l	100
71) Bromoform	12.13	173	270851	53.78	ug/l #	100
73) Isopropylbenzene	12.25	105	1710165	50.49	ug/l	100
74) N-amyl acetate	12.07	43	422501	49.64	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	420123	52.09	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	493624	68.90	ug/l #	100
77) Bromobenzene	12.53	156	438268	47.61	ug/l	99
78) n-propylbenzene	12.59	91	1969468	52.05	ug/l	99
79) 2-Chlorotoluene	12.68	91	1158158	49.14	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1431655	52.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107352	50.65	ug/l	99
82) 4-Chlorotoluene	12.77	91	1191414	51.20	ug/l	99
83) tert-Butylbenzene	12.99	119	1209080	51.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1444659	52.55	ug/l	99
85) sec-Butylbenzene	13.17	105	1634493	52.70	ug/l	100
86) p-Isopropyltoluene	13.29	119	1450119	54.87	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	780163	49.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	754138	49.05	ug/l	100
89) n-Butylbenzene	13.62	91	1160479	54.90	ug/l	99
90) Hexachloroethane	13.87	117	257549	51.13	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	751062	49.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	60164	49.46	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	357842	46.00	ug/l	98
94) Hexachlorobutadiene	15.01	225	243649	54.64	ug/l	99
95) Naphthalene	15.13	128	675351	42.26	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	351145	47.92	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

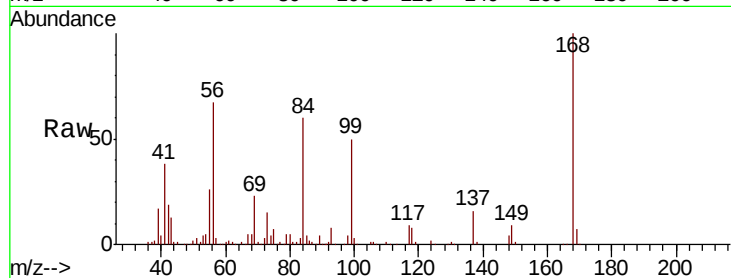
VSTDCCC050

Tot Ion:168 Resp: 601101

Ion Ratio Lower Upper

168 100

99 50.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

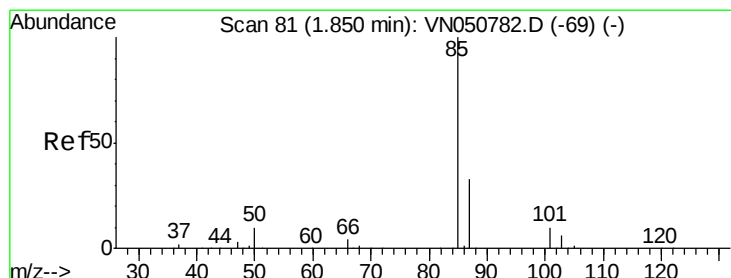
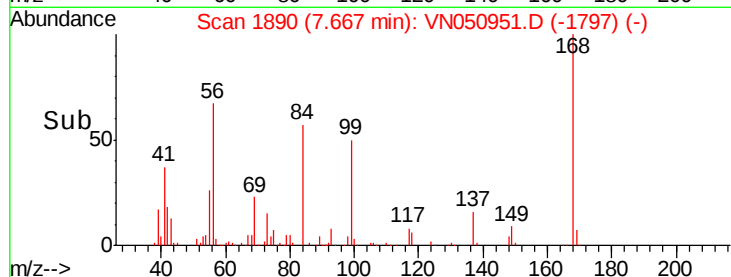
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 48.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050951.D

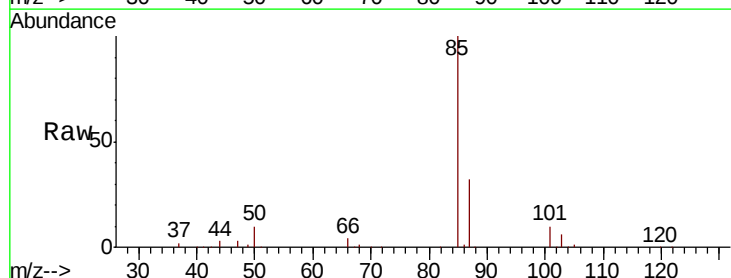
Acq: 30 Aug 2018 10:22

Tgt Ion: 85 Resp: 388858

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

300000

250000

200000

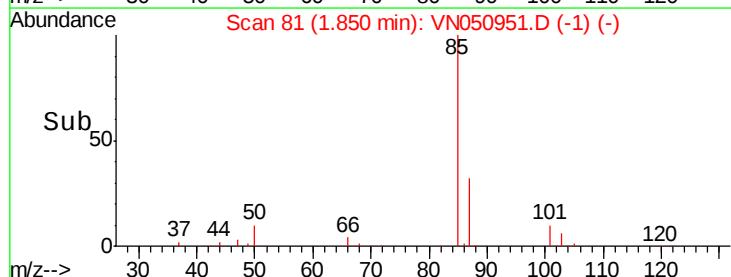
150000

100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 42.86 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

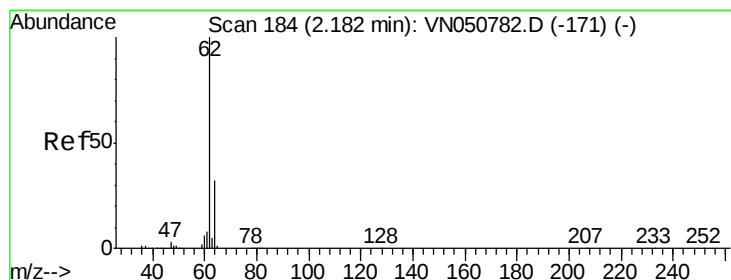
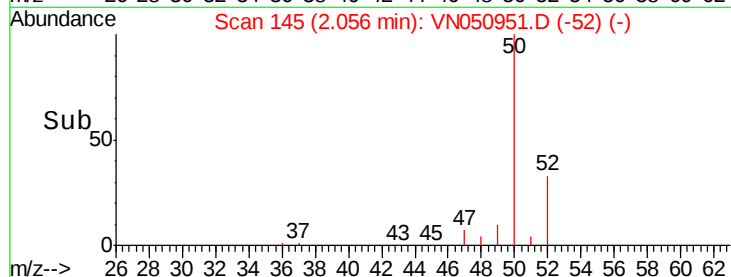
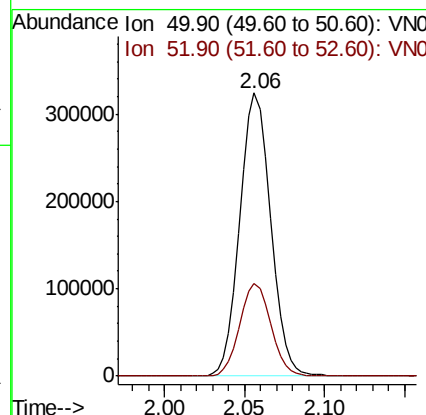
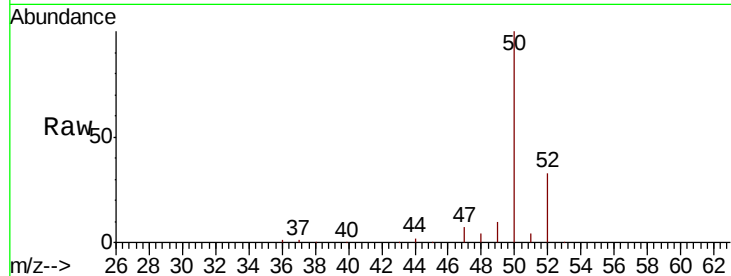
VSTDCCC050

Tot Ion: 50 Resp: 425230

Ion Ratio Lower Upper

50 100

52 32.6 26.3 39.5



#4

Vinyl Chloride

Concen: 45.74 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050951.D

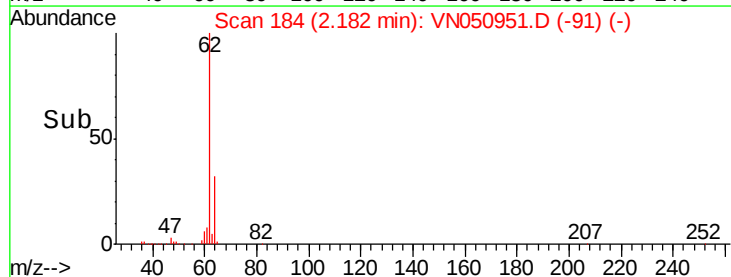
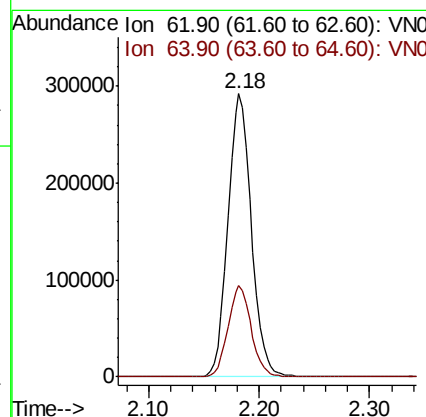
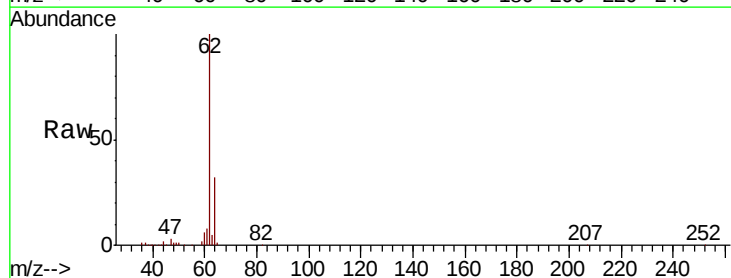
Acq: 30 Aug 2018 10:22

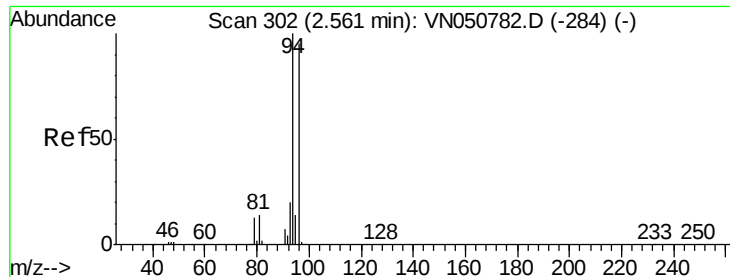
Tgt Ion: 62 Resp: 429920

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 45.75 ug/l

RT: 2.56 min Scan# 301

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

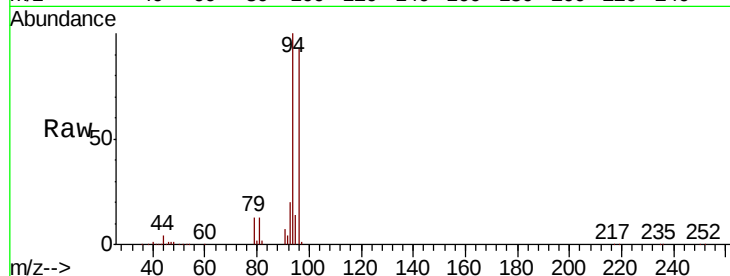
VSTDCCC050

Tot Ion: 94 Resp: 244870

Ion Ratio Lower Upper

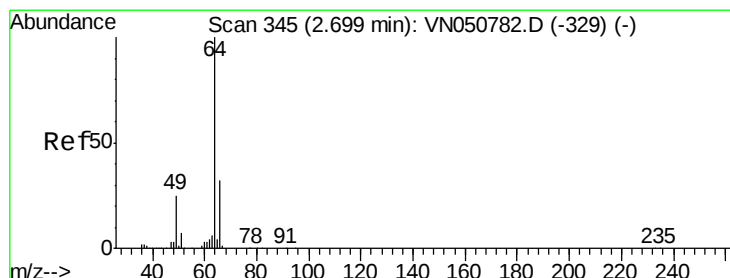
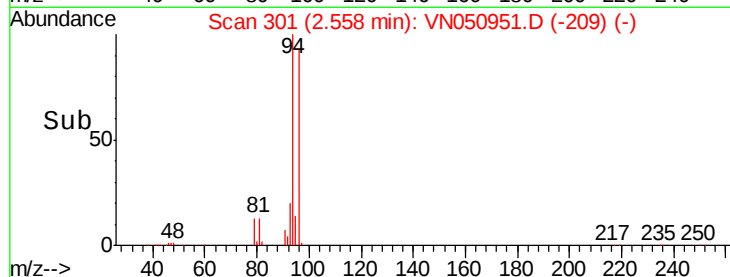
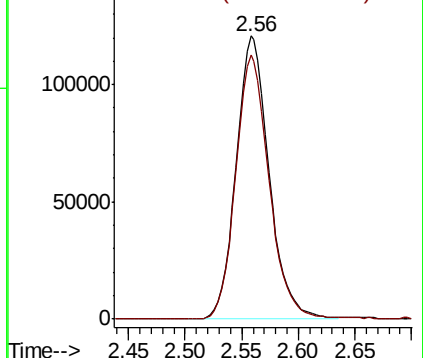
94 100

96 93.1 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.64 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050951.D

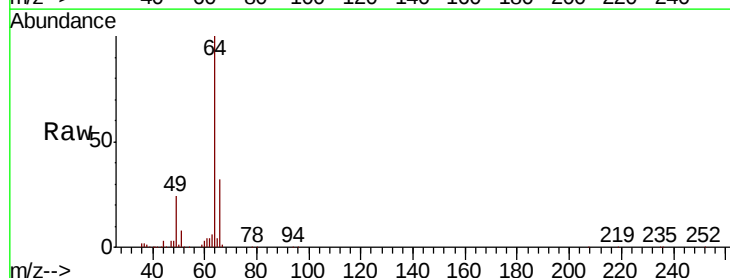
Acq: 30 Aug 2018 10:22

Tgt Ion: 64 Resp: 247860

Ion Ratio Lower Upper

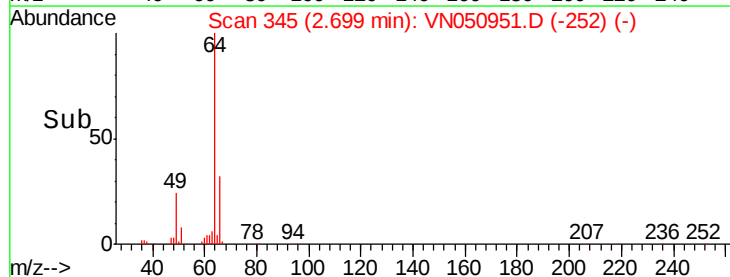
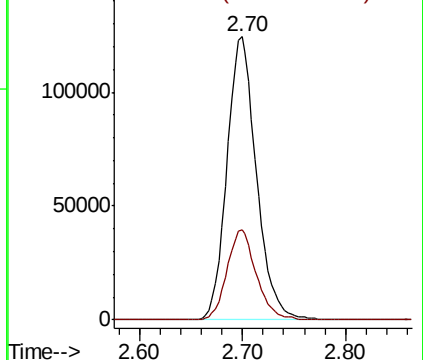
64 100

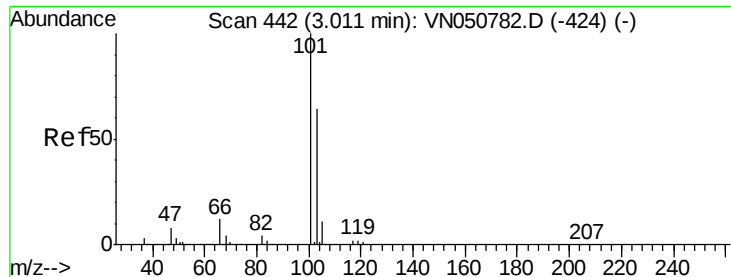
66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



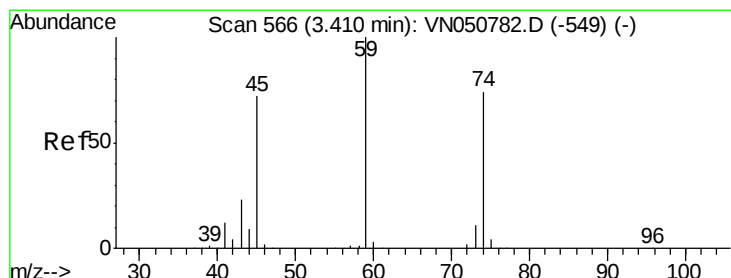
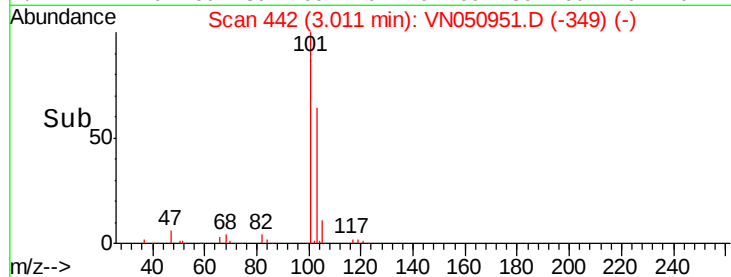
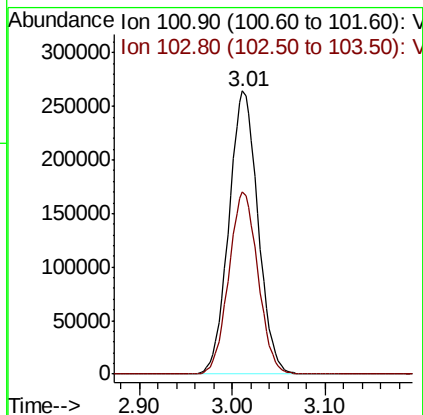
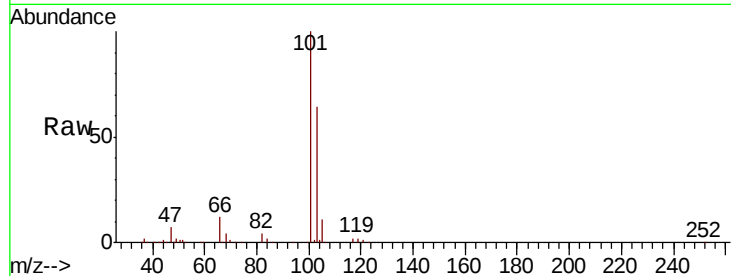


#7

Trichlorofluoromethane
 Concen: 47.83 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
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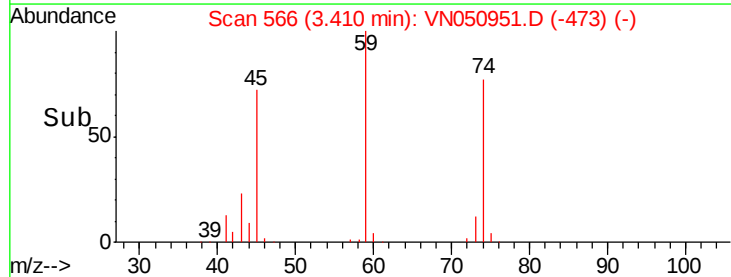
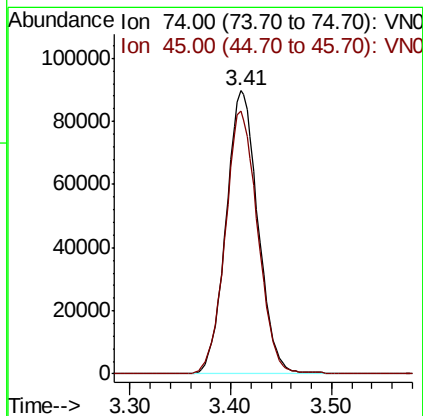
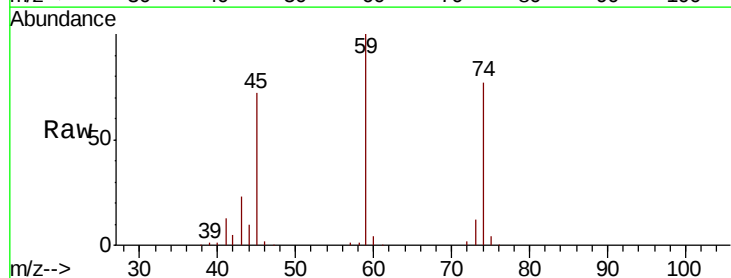
Tot Ion:101 Resp: 575635
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.6 77.4

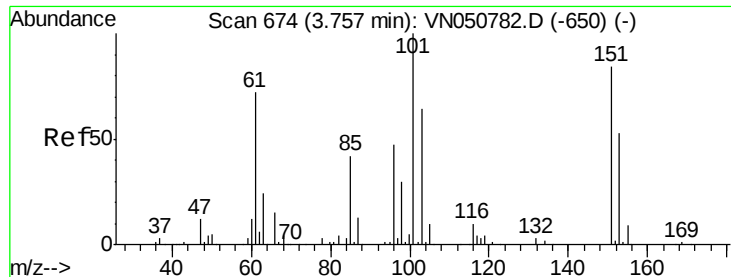


#8

Diethyl Ether
 Concen: 48.25 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 74 Resp: 197454
 Ion Ratio Lower Upper
 74 100
 45 94.5 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.04 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

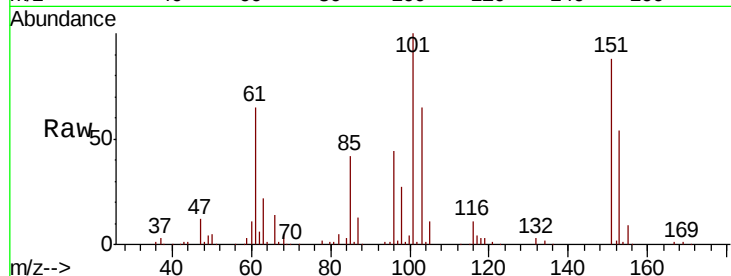
Tot Ion:101 Resp: 361228

Ion Ratio Lower Upper

101 100

85 41.7 33.7 50.5

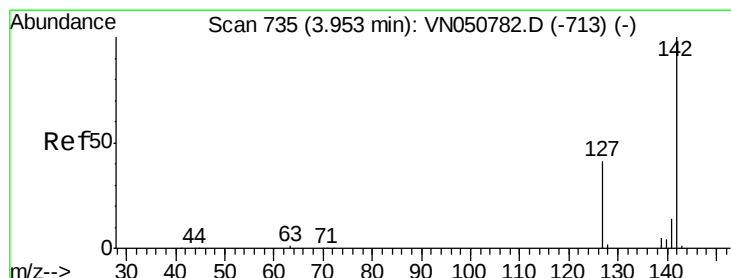
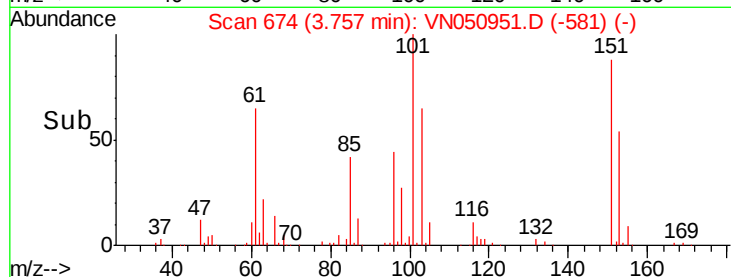
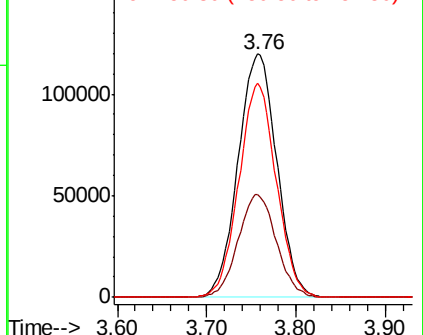
151 85.0 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.47 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

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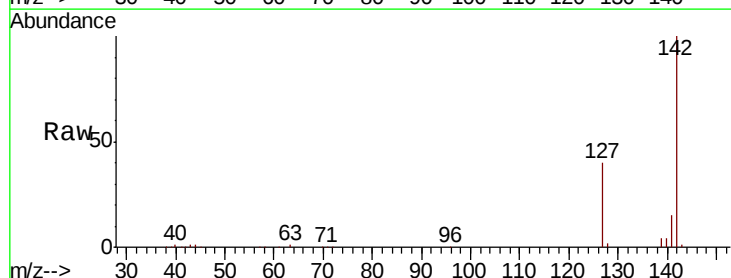
Tgt Ion:142 Resp: 295734

Ion Ratio Lower Upper

142 100

127 39.9 31.7 47.5

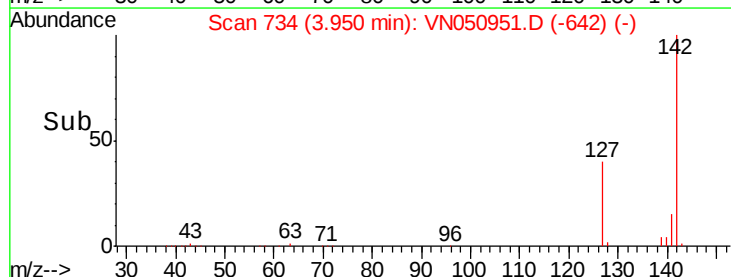
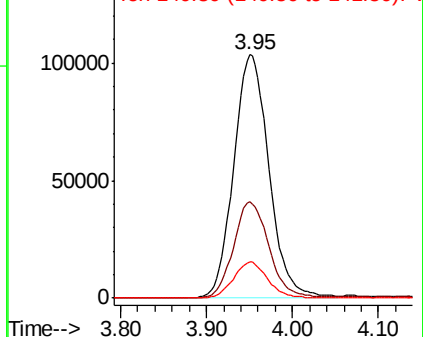
141 14.4 11.4 17.0

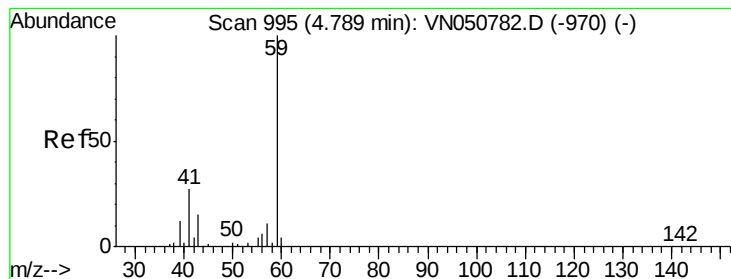


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



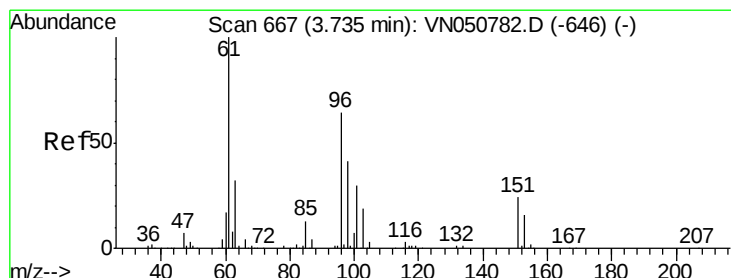
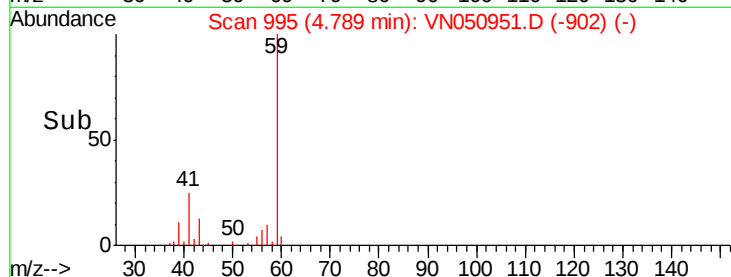
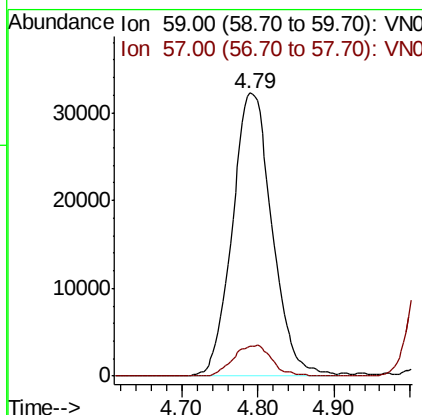
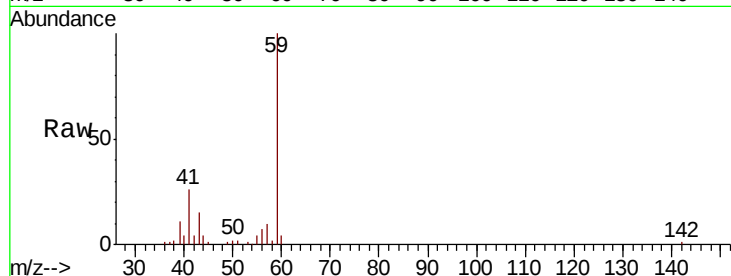


#11

Tert butyl alcohol
 Concen: 254.74 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

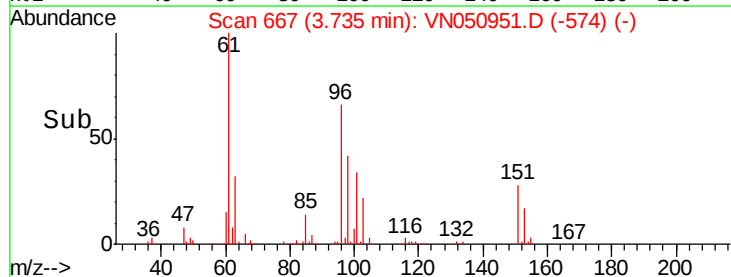
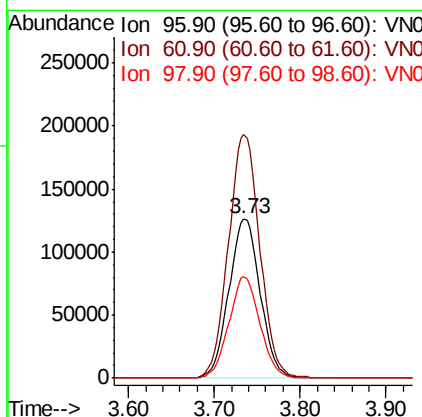
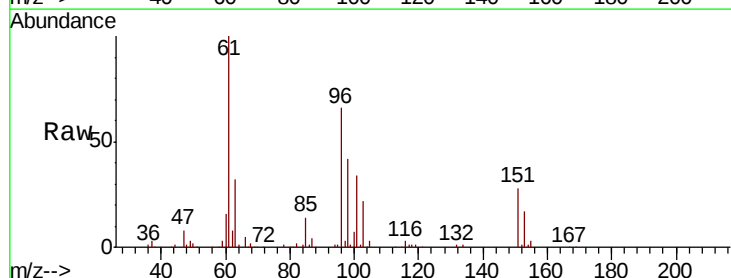
Tot Ion: 59 Resp: 117384
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5



#12

1,1-Dichloroethene
 Concen: 47.31 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 96 Resp: 319386
 Ion Ratio Lower Upper
 96 100
 61 152.7 124.9 187.3
 98 63.9 51.1 76.7





#13

Acrolein

Concen: 198.62 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

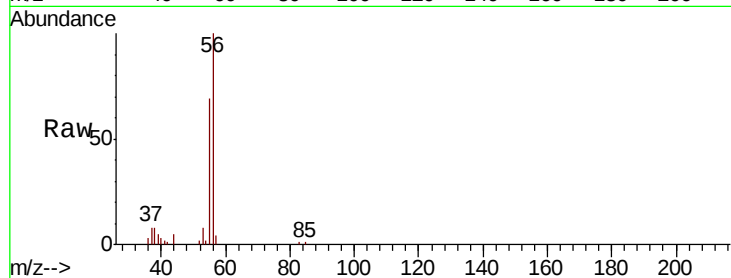
VSTDCCC050

Tot Ion: 56 Resp: 52379

Ion Ratio Lower Upper

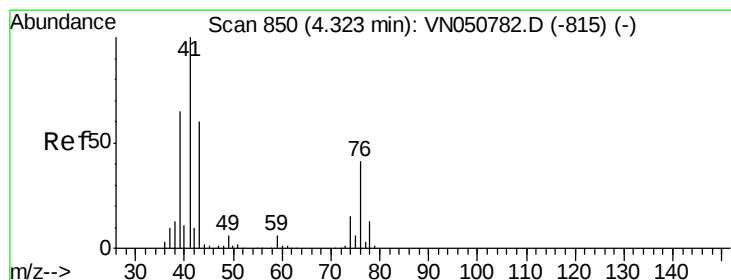
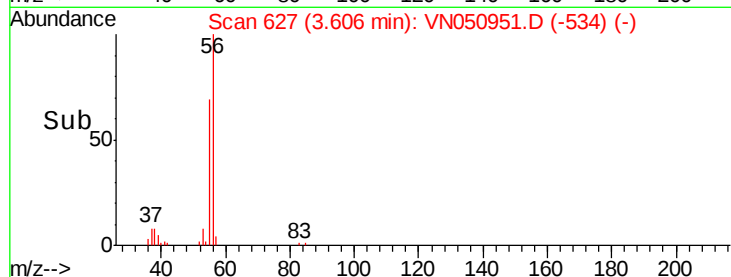
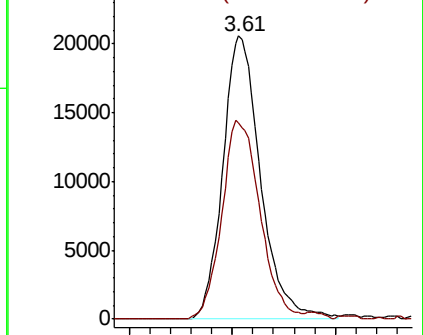
56 100

55 71.2 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.95 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

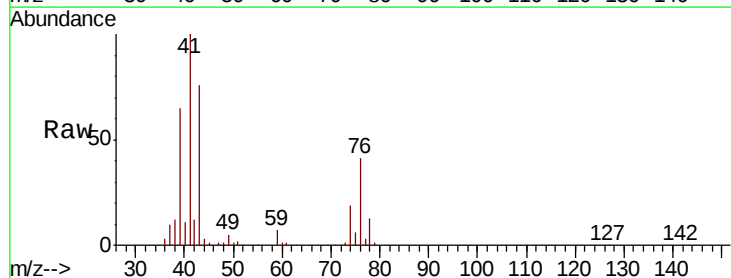
Tgt Ion: 41 Resp: 504425

Ion Ratio Lower Upper

41 100

39 61.7 50.2 75.2

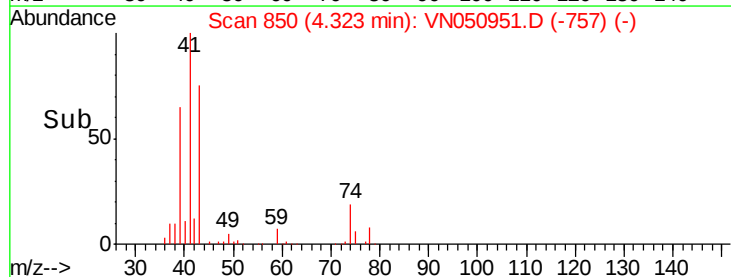
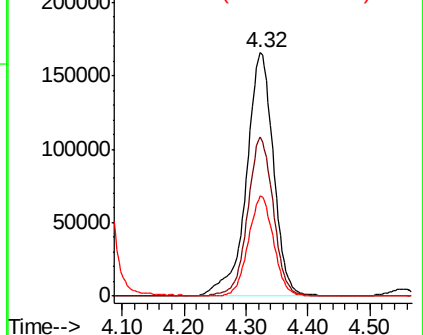
76 37.7 29.8 44.8

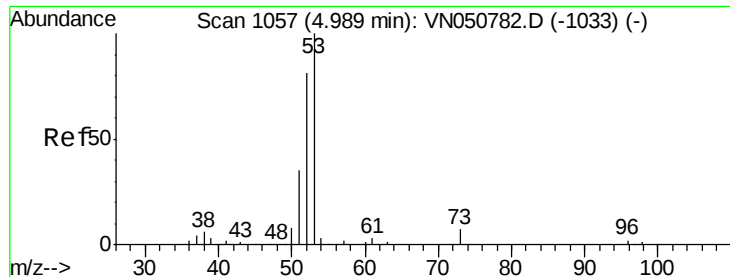


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 253.90 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

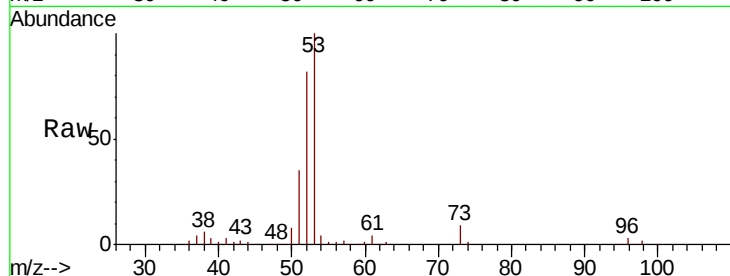
Tot Ion: 53 Resp: 594600

Ion Ratio Lower Upper

53 100

52 81.8 65.9 98.9

51 35.7 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050782.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN050782.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN050782.D (-1033) (-)

4.99

200000

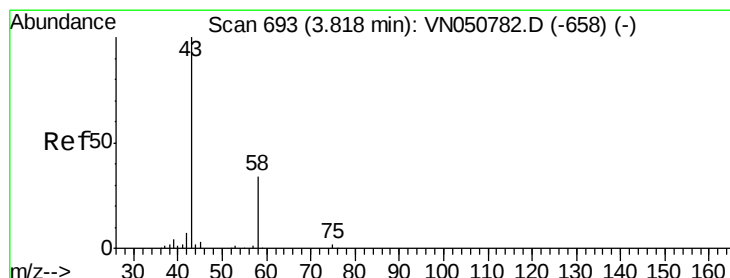
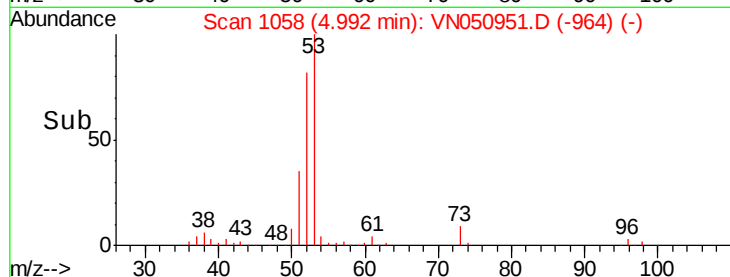
150000

100000

50000

0

Time--> 4.80 4.90 5.00 5.10 5.20



#16

Acetone

Concen: 328.76 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050951.D

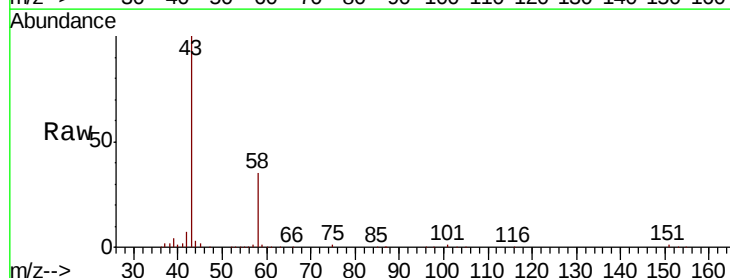
Acq: 30 Aug 2018 10:22

Tgt Ion: 43 Resp: 559554

Ion Ratio Lower Upper

43 100

58 34.4 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-658) (-)

Ion 58.00 (57.70 to 58.70): VN050782.D (-658) (-)

3.82

250000

200000

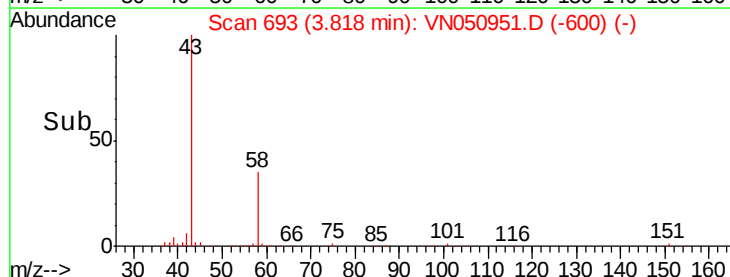
150000

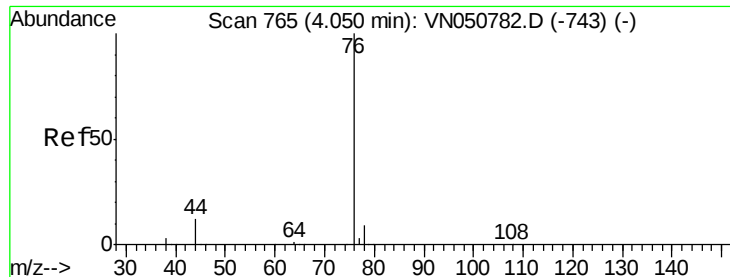
100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00

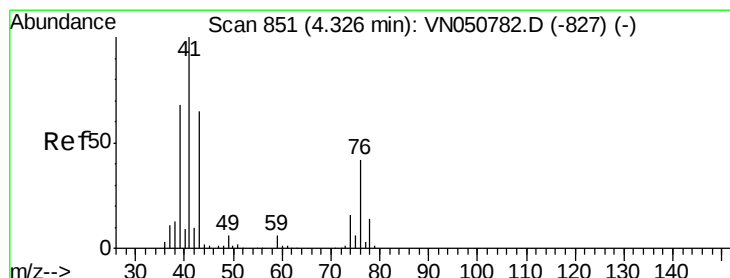
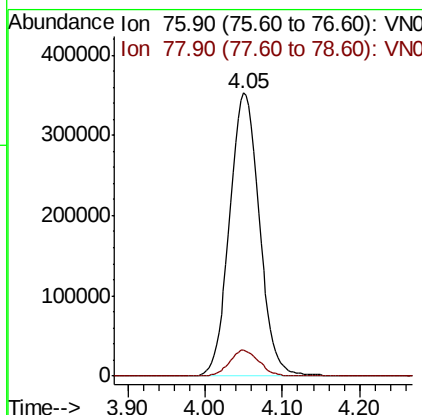
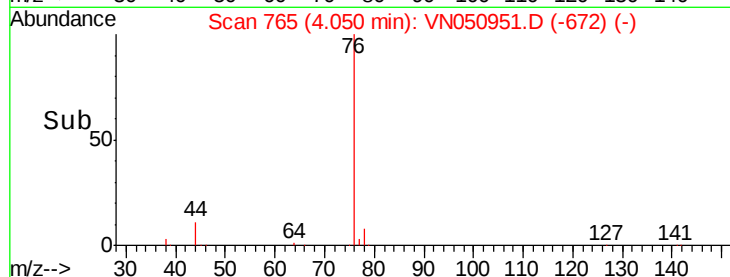
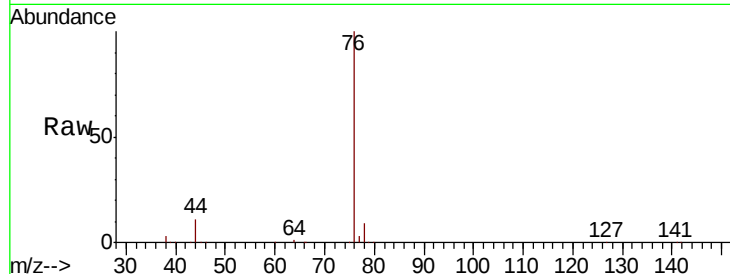




#17
Carbon Disulfide
Concen: 41.64 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

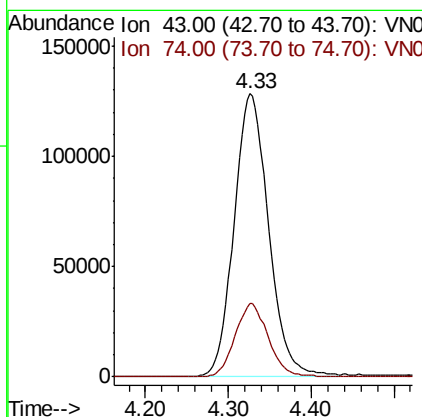
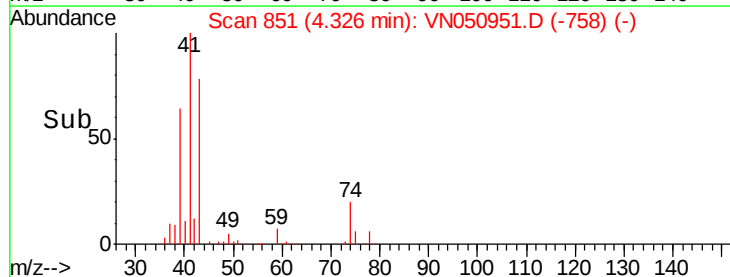
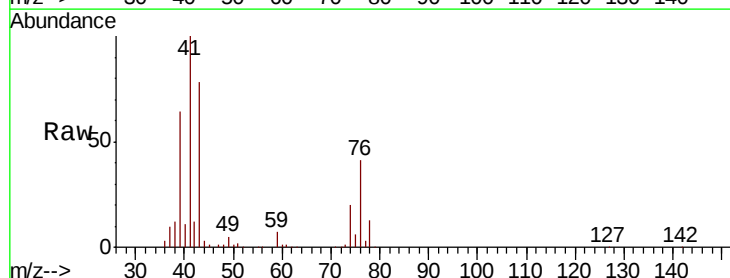
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

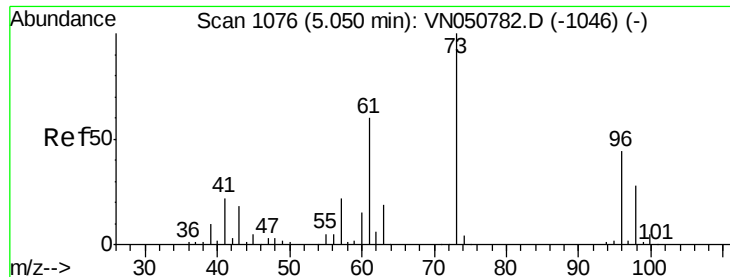
Tot Ion: 76 Resp: 942460
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 54.28 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 43 Resp: 370878
Ion Ratio Lower Upper
43 100
74 25.2 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 51.20 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

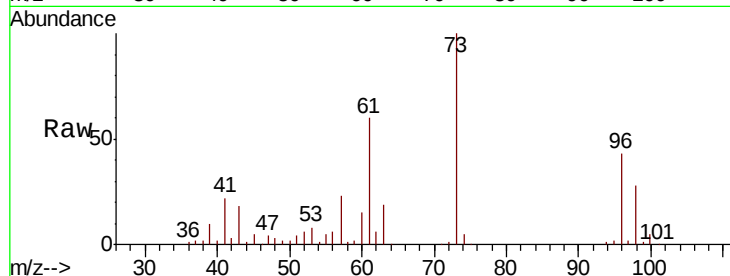
VSTDCCC050

Tot Ion: 73 Resp: 869411

Ion Ratio Lower Upper

73 100

57 22.5 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VN050782.D (-1046) (-)

Ion 57.00 (56.70 to 57.70): VN050782.D (-1046) (-)

5.05

250000

200000

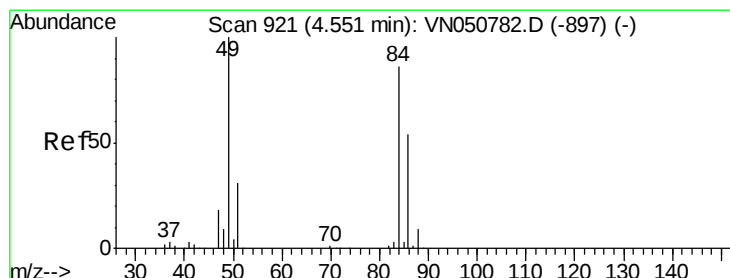
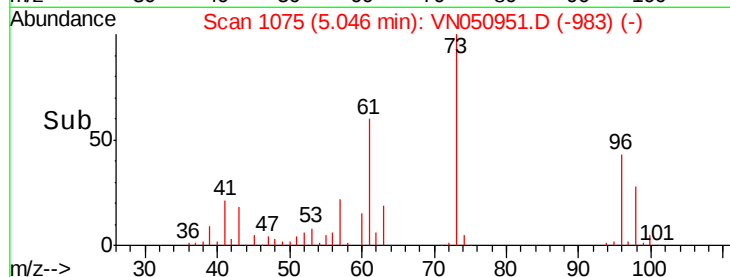
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 45.55 ug/l

RT: 4.55 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion: 84 Resp: 371521

Ion Ratio Lower Upper

84 100

49 113.0 93.2 139.8

51 35.0 29.0 43.6

86 63.0 49.8 74.8

Abundance Ion 83.90 (83.60 to 84.60): VN050782.D (-897) (-)

Ion 48.90 (48.60 to 49.60): VN050782.D (-897) (-)

Ion 50.90 (50.60 to 51.60): VN050782.D (-897) (-)

Ion 85.90 (85.60 to 86.60): VN050782.D (-897) (-)

200000

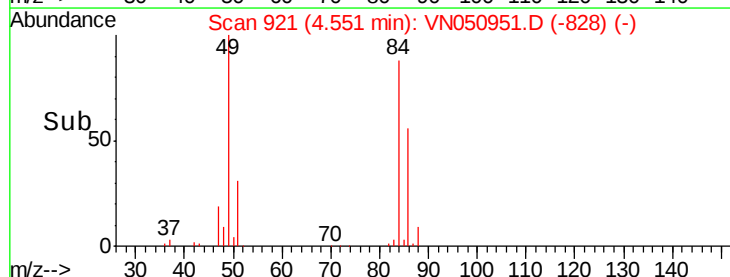
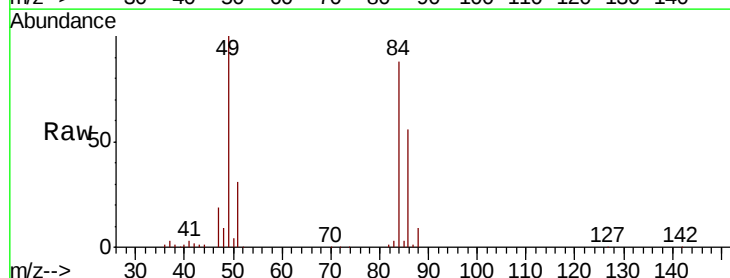
150000

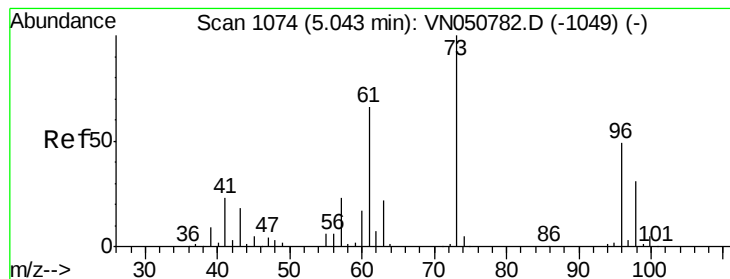
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 46.80 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

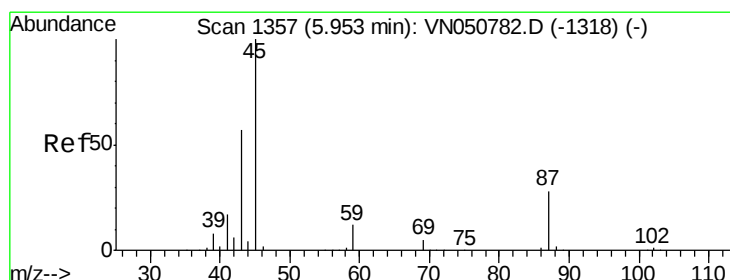
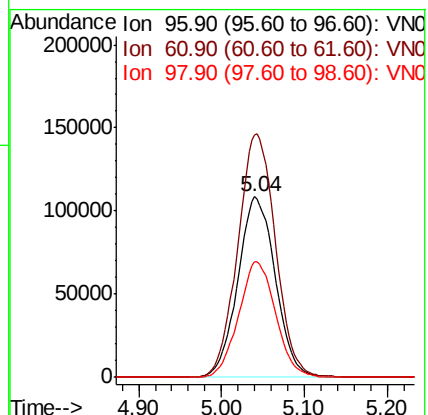
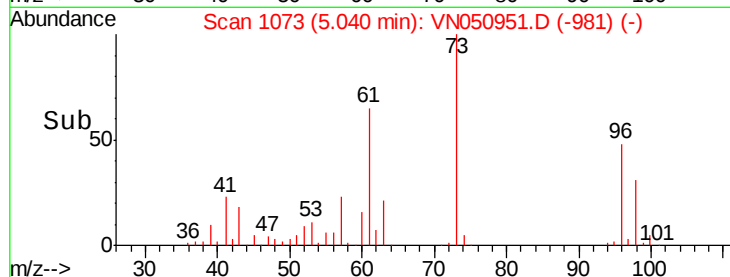
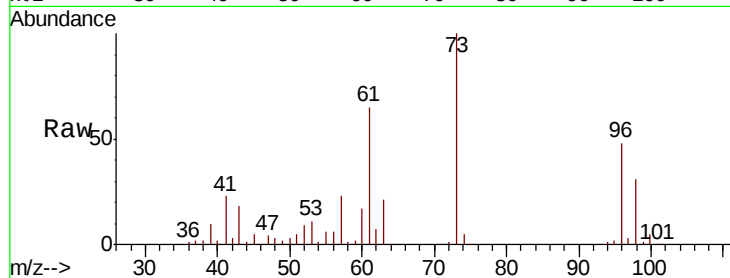
Tot Ion: 96 Resp: 341745

Ion Ratio Lower Upper

96 100

61 134.6 107.4 161.0

98 64.0 50.7 76.1



#22

Diisopropyl ether

Concen: 50.68 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion: 45 Resp: 1062508

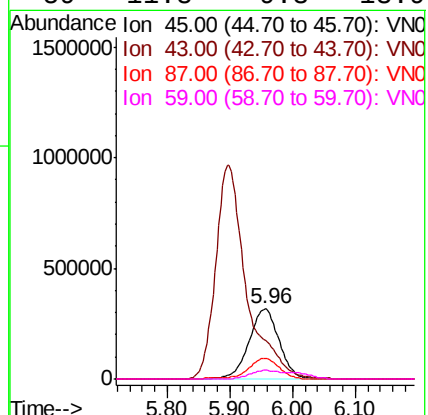
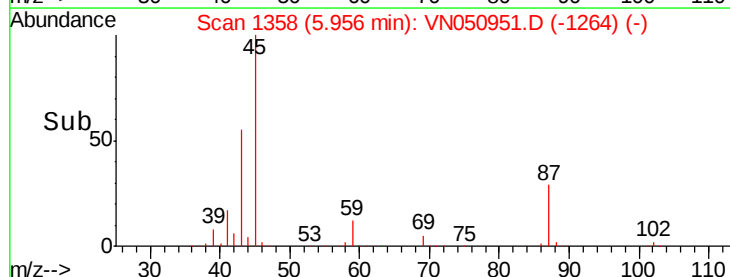
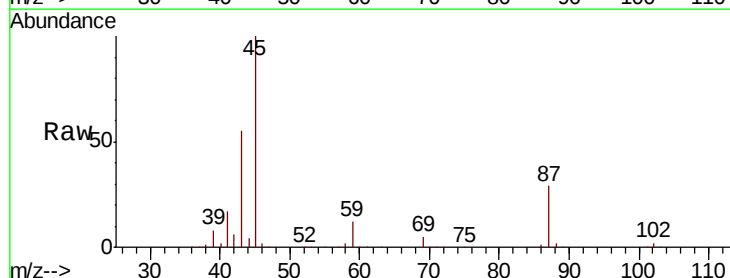
Ion Ratio Lower Upper

45 100

43 54.5 45.9 68.9

87 29.1 22.7 34.1

59 11.8 9.3 13.9





#23

Vinyl Acetate

Concen: 244.72 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

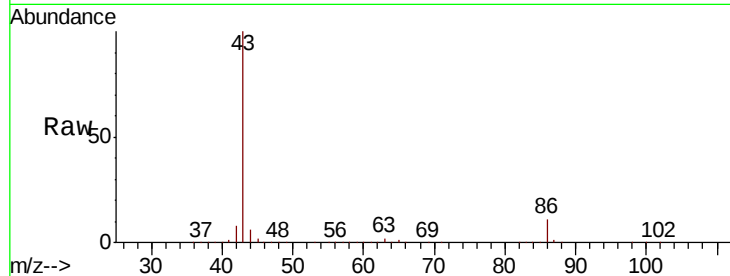
VSTDCCC050

Tot Ion: 43 Resp: 3304039

Ion Ratio Lower Upper

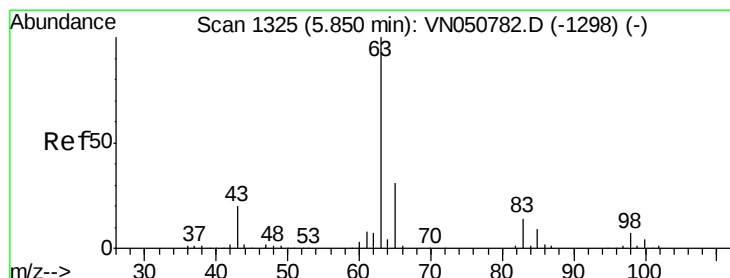
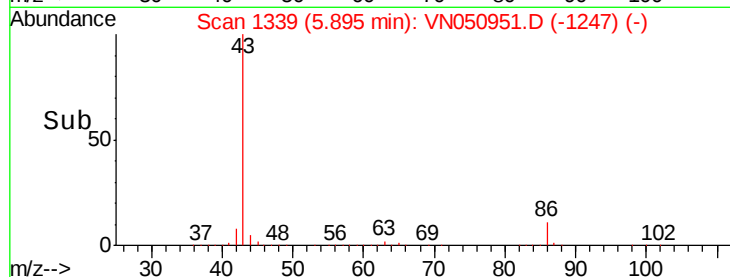
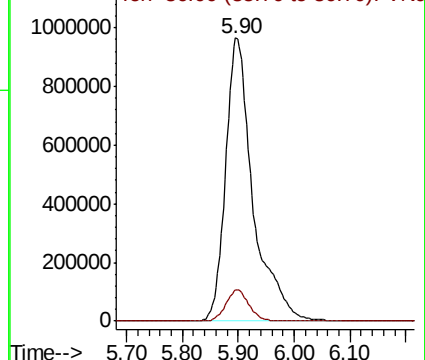
43 100

86 11.1 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.09 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

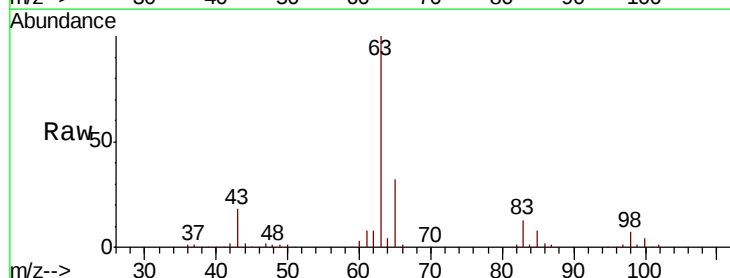
Tgt Ion: 63 Resp: 633830

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

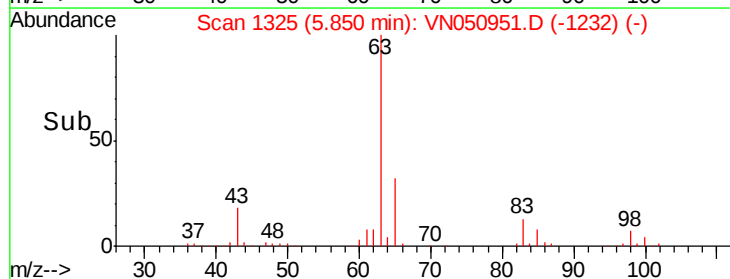
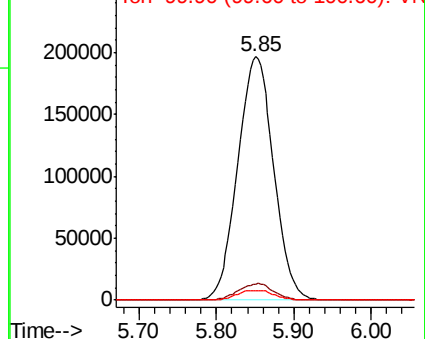
100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

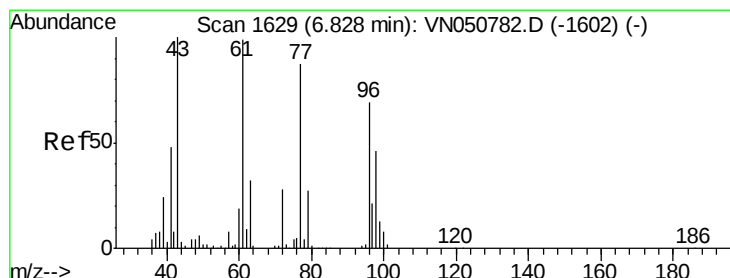
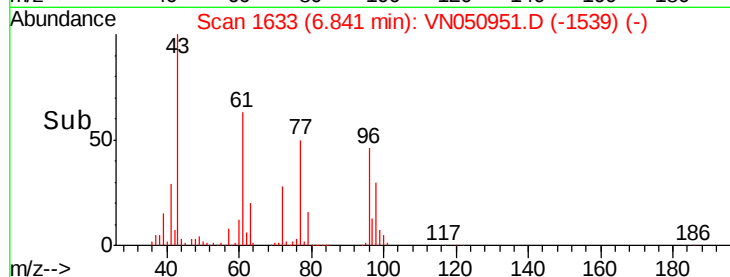
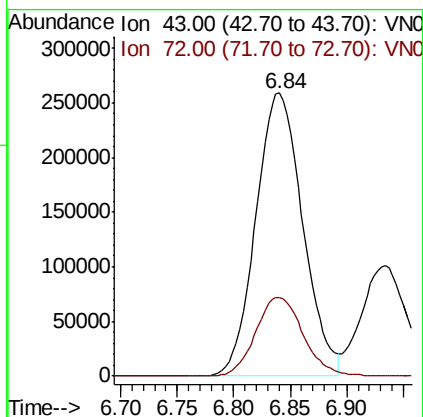
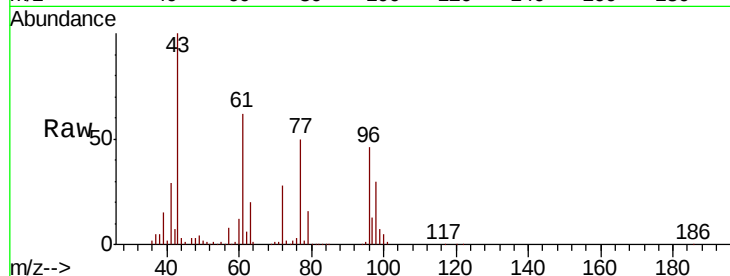




#25
 2-Butanone
 Concen: 255.15 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

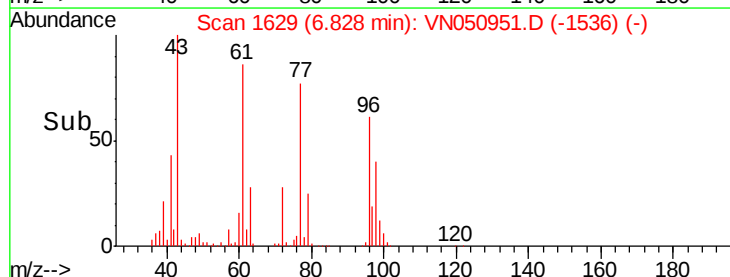
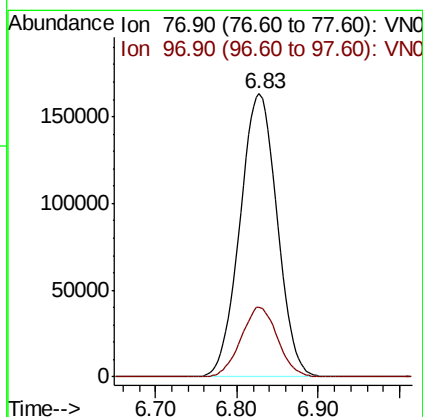
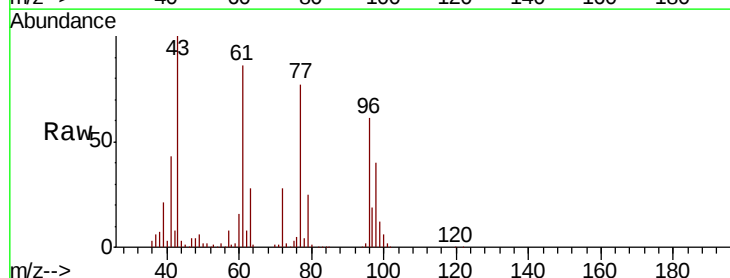
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 744083
 Ion Ratio Lower Upper
 43 100
 72 27.8 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 47.55 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 77 Resp: 514259
 Ion Ratio Lower Upper
 77 100
 97 24.3 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 48.74 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

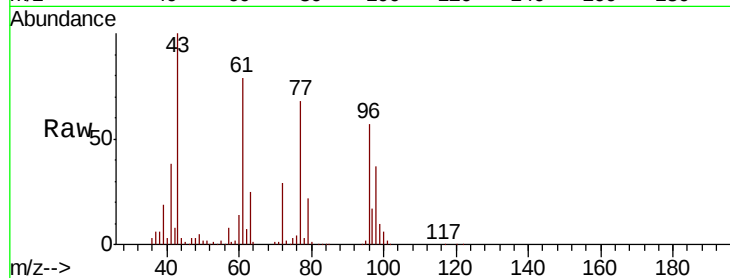
Tot Ion: 96 Resp: 383689

Ion Ratio Lower Upper

96 100

61 141.4 0.0 283.4

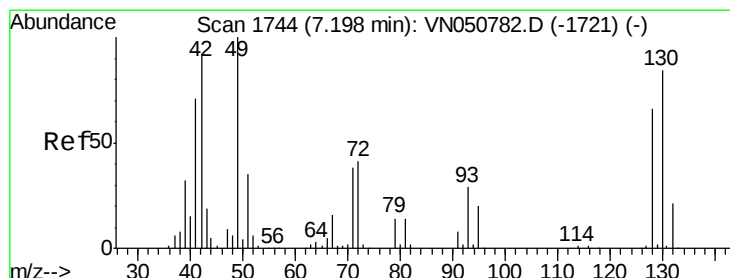
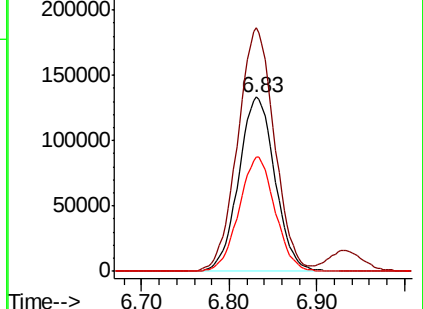
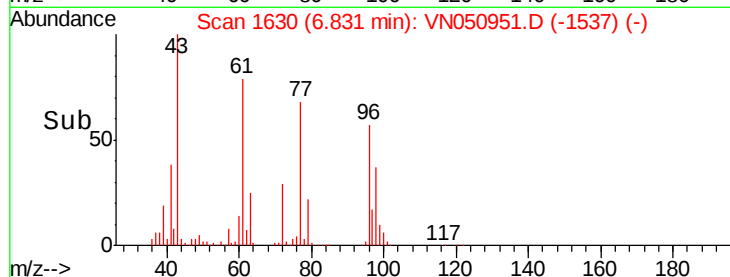
98 65.0 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN050951.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN050951.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN050951.D (-1537) (-)



#28

Bromochloromethane

Concen: 47.32 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

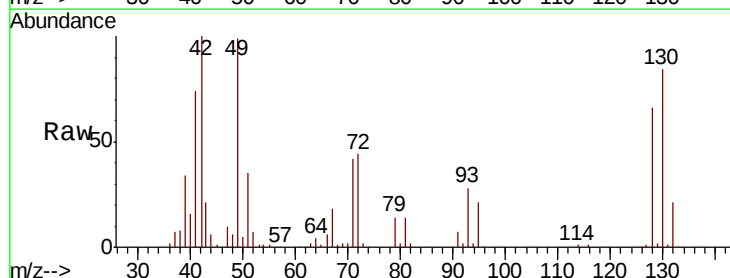
Tgt Ion: 49 Resp: 270648

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

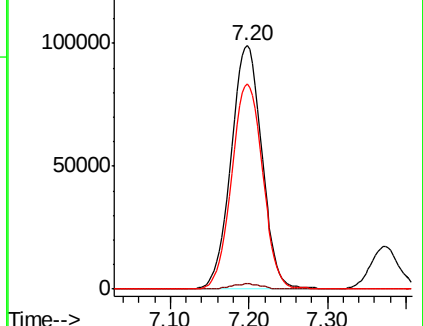
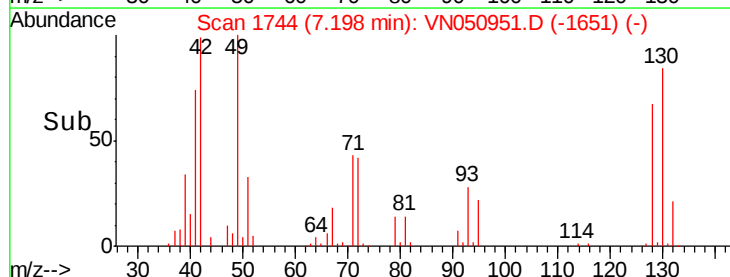
130 84.7 67.1 100.7

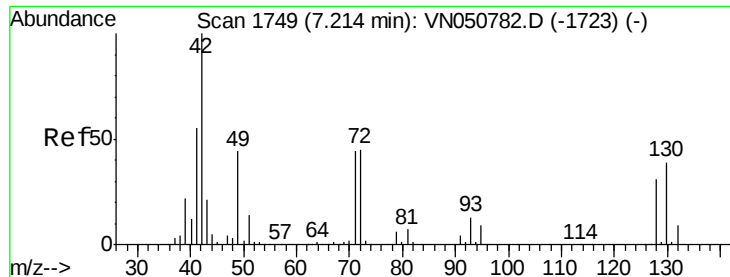


Abundance Ion 48.90 (48.60 to 49.60): VN050951.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050951.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050951.D (-1651) (-)





#29

Tetrahydrofuran

Concen: 261.69 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

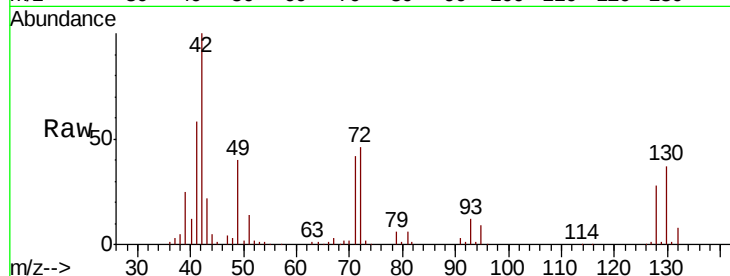
Tot Ion: 42 Resp: 437549

Ion Ratio Lower Upper

42 100

72 45.1 35.5 53.3

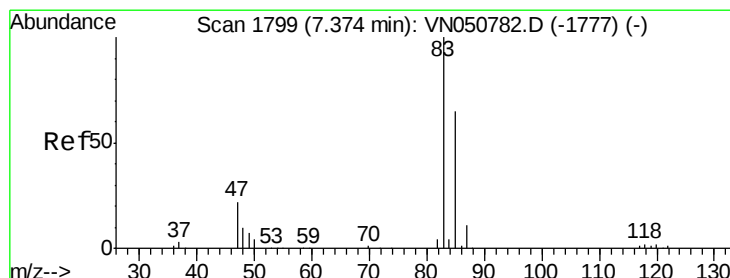
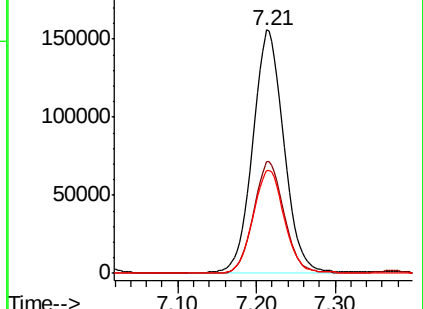
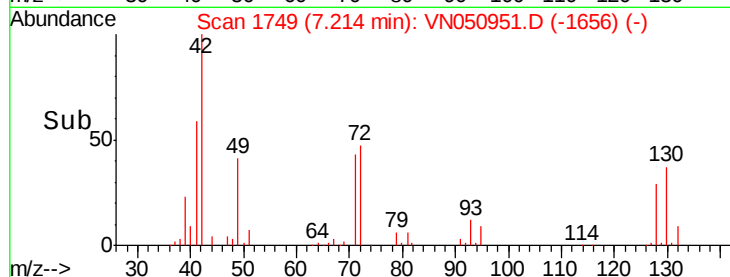
71 42.8 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN050951.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN050951.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN050951.D (-1656) (-)



#30

Chloroform

Concen: 48.01 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050951.D

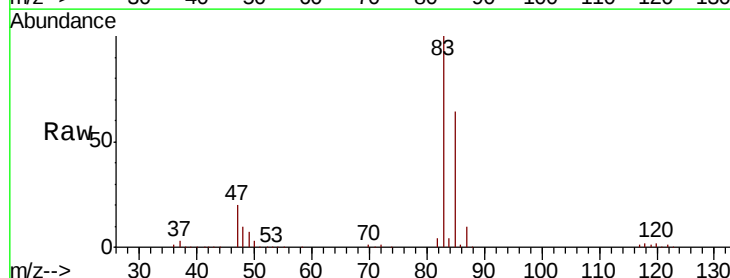
Acq: 30 Aug 2018 10:22

Tgt Ion: 83 Resp: 639855

Ion Ratio Lower Upper

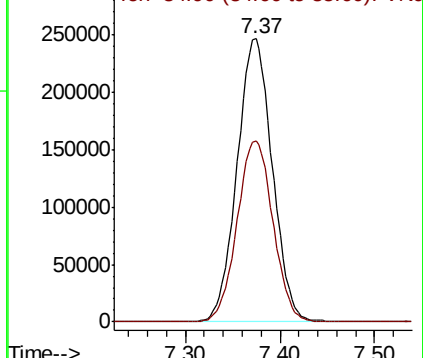
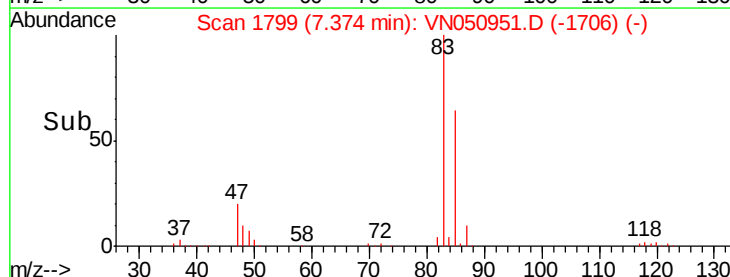
83 100

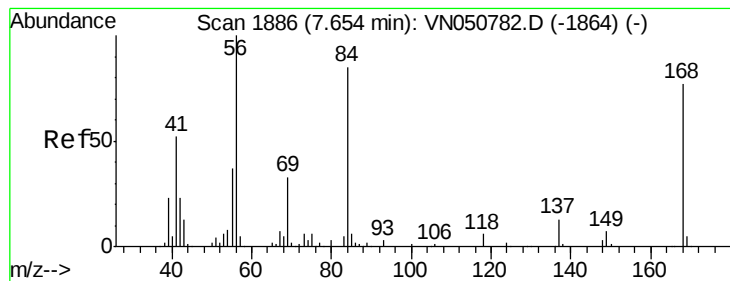
85 64.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN050951.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN050951.D (-1706) (-)





#31

Cyclohexane

Concen: 46.22 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

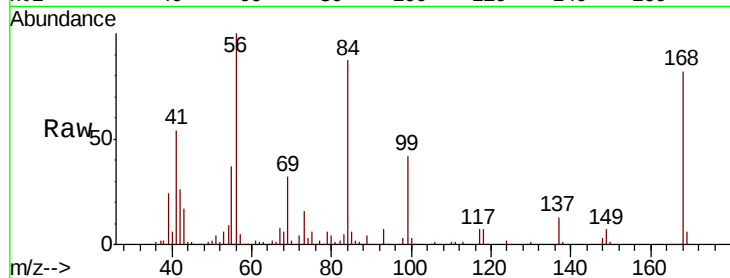
Tot Ion: 56 Resp: 564934

Ion Ratio Lower Upper

56 100

69 32.1 26.2 39.4

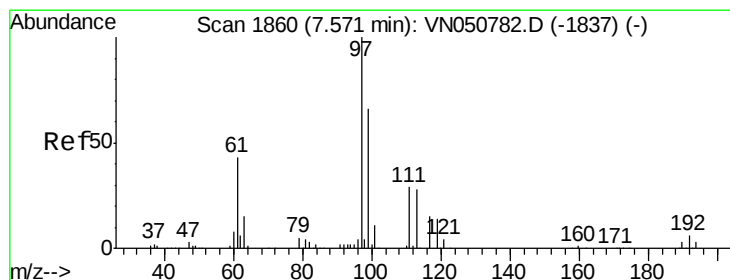
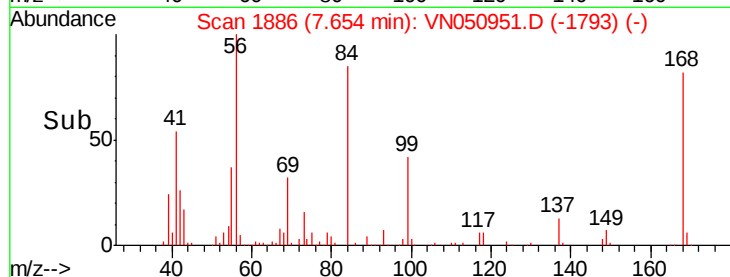
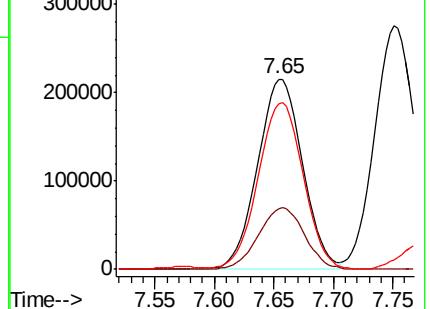
84 86.1 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN050951.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050951.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050951.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 47.41 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

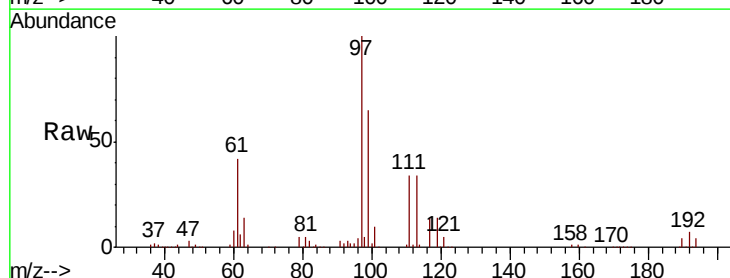
Tgt Ion: 97 Resp: 542751

Ion Ratio Lower Upper

97 100

99 64.2 51.8 77.6

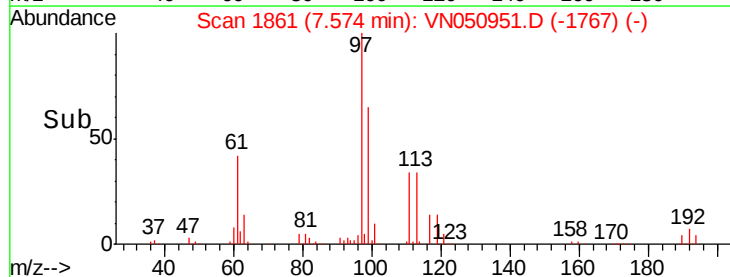
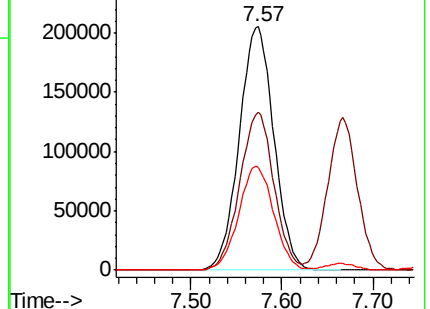
61 43.1 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN050951.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN050951.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN050951.D (-1767) (-)

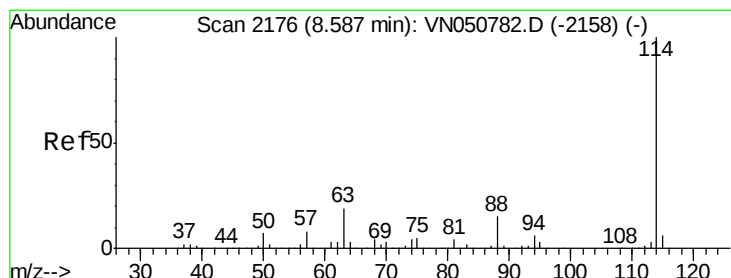
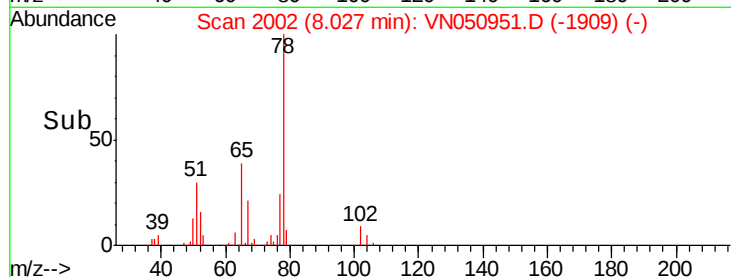
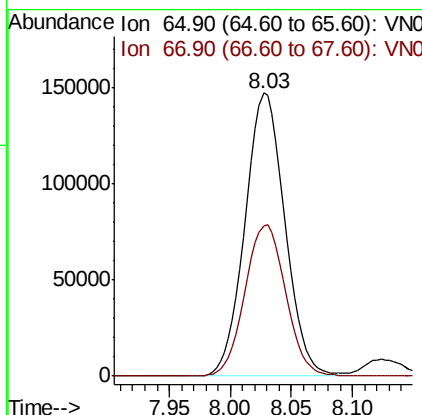
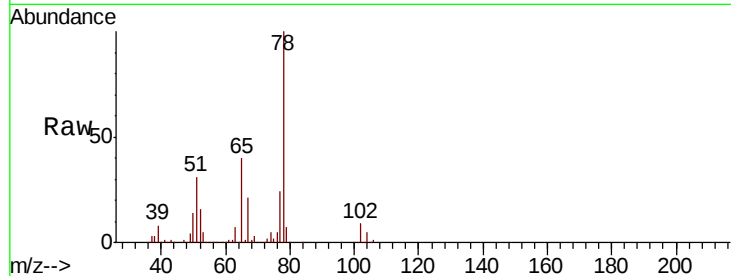




#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

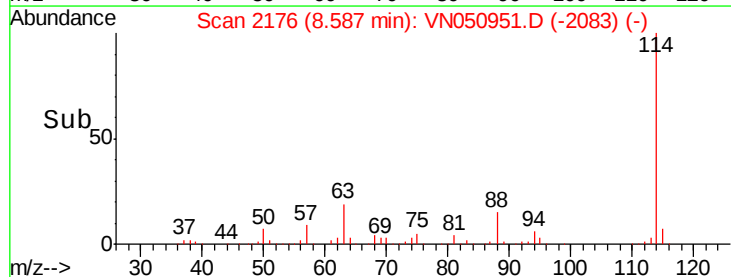
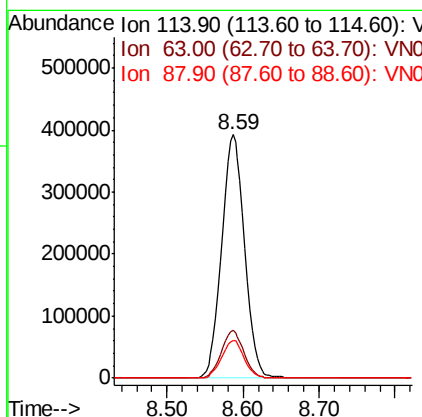
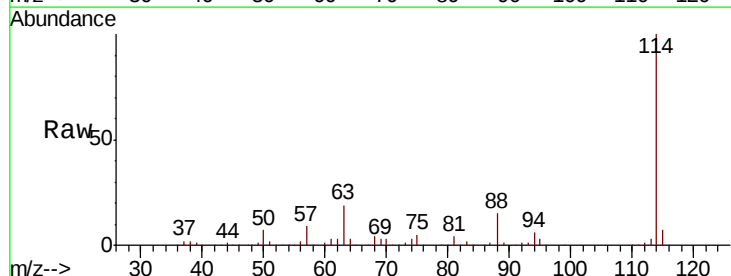
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

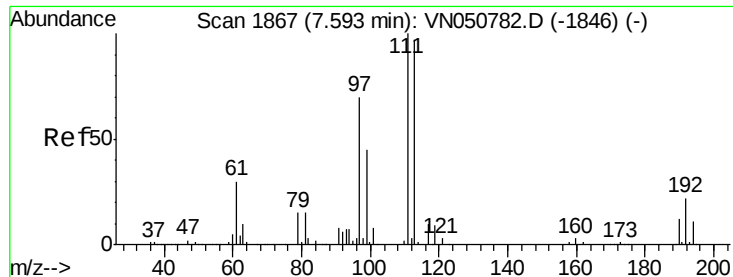
Tot Ion: 65 Resp: 332841
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 114 Resp: 823604
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 30.6

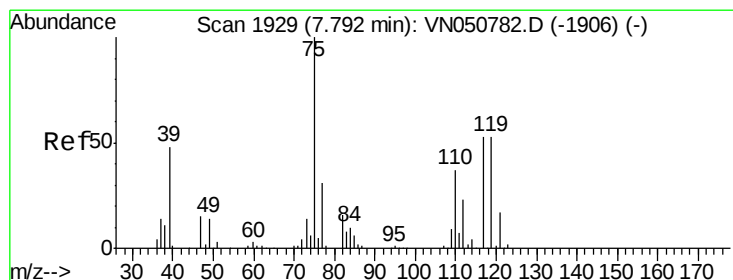
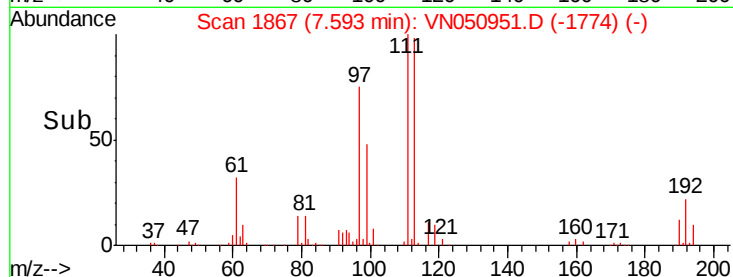
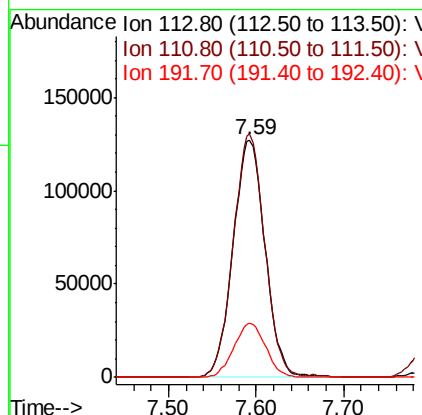
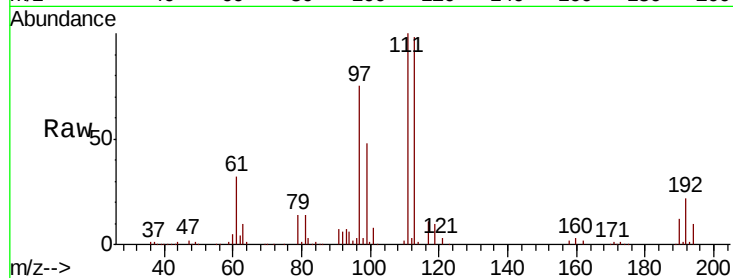




#35
 Dibromofluoromethane
 Concen: 49.35 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

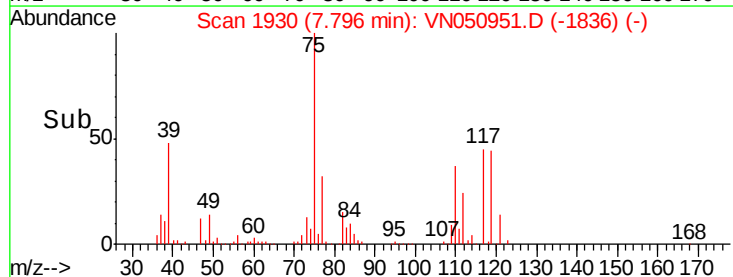
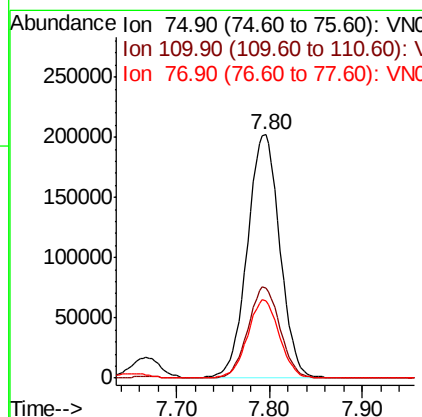
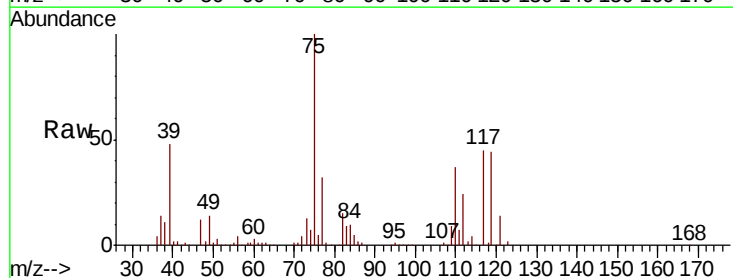
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

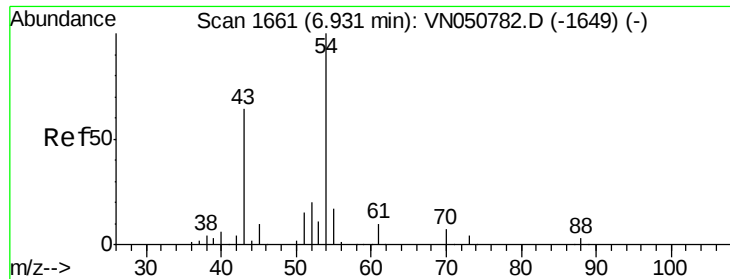
Tot Ion:113 Resp: 323332
 Ion Ratio Lower Upper
 113 100
 111 100.5 82.6 123.8
 192 22.5 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 50.38 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 75 Resp: 489683
 Ion Ratio Lower Upper
 75 100
 110 37.0 18.1 54.4
 77 31.7 24.8 37.2

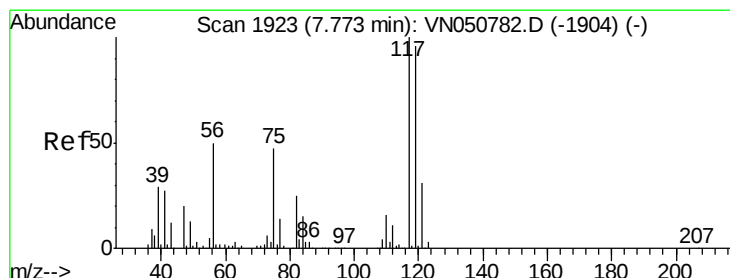
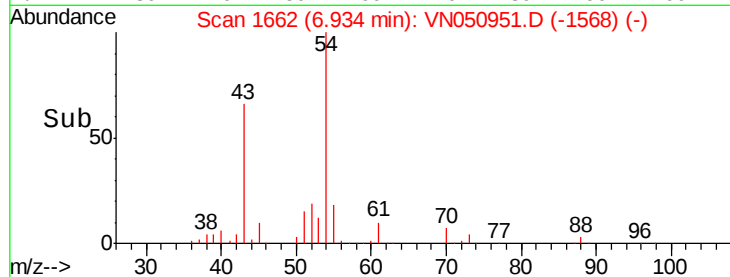
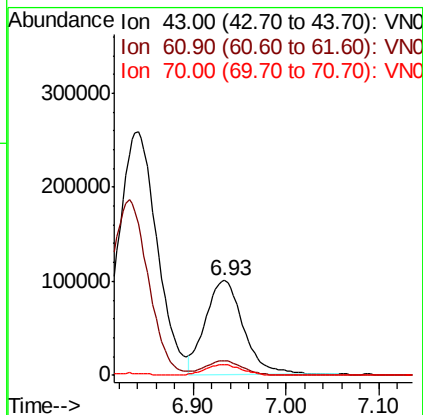
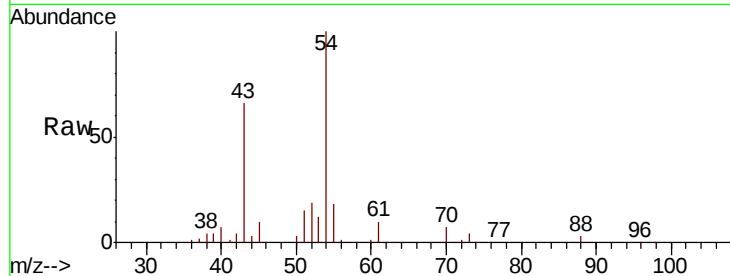




#37
Ethyl Acetate
Concen: 51.20 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

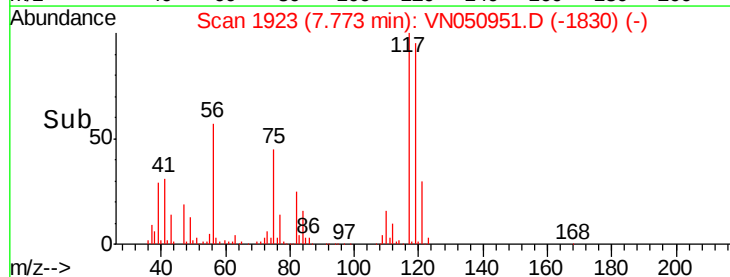
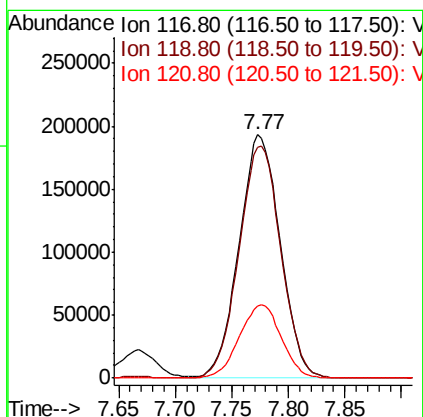
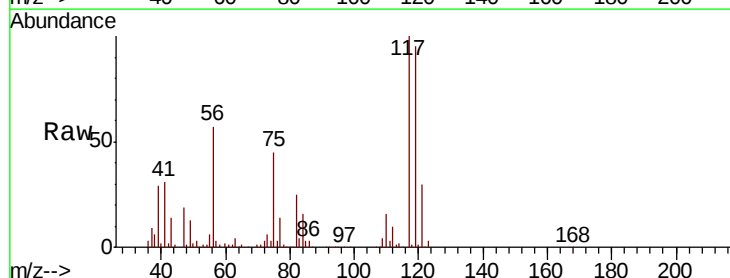
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 285870
Ion Ratio Lower Upper
43 100
61 15.6 12.0 18.0
70 11.0 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.68 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 117 Resp: 488103
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 29.6 24.6 36.8

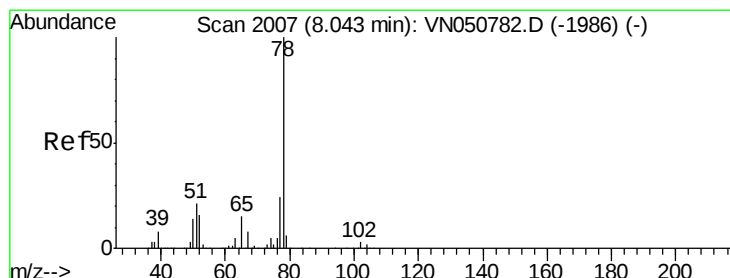
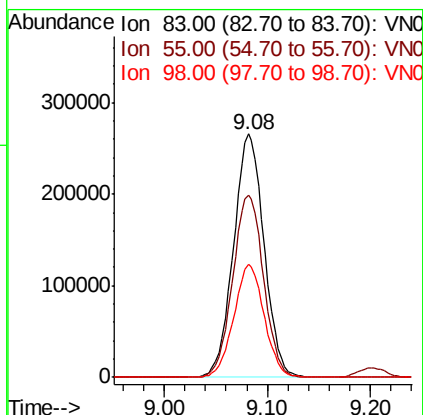
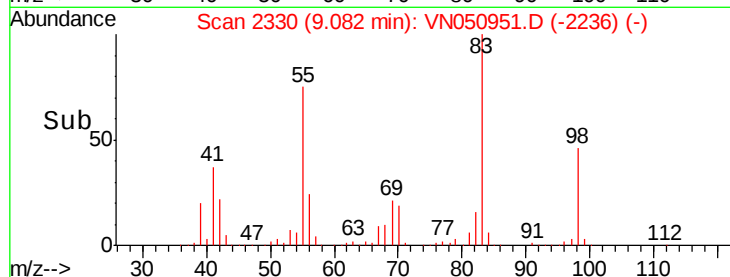
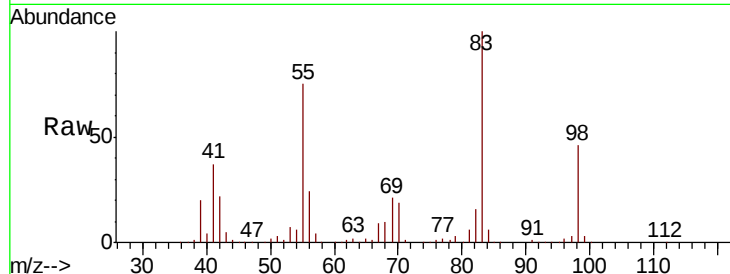




#39
Methvlcvclohexane
Concen: 51.95 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

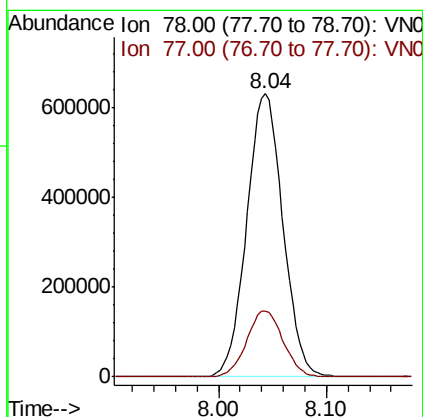
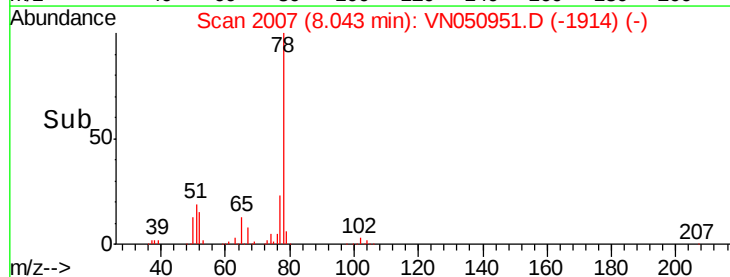
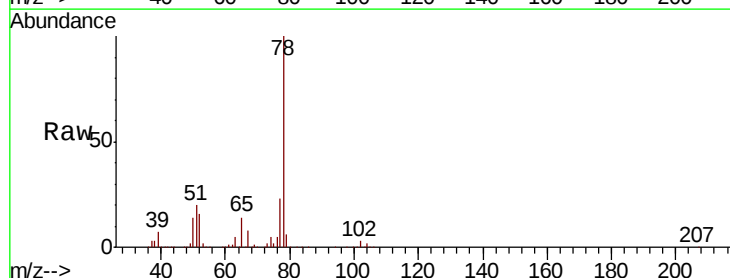
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 546255
Ion Ratio Lower Upper
83 100
55 74.9 61.0 91.4
98 46.3 37.5 56.3



#40
Benzene
Concen: 50.25 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 78 Resp: 1472719
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.4

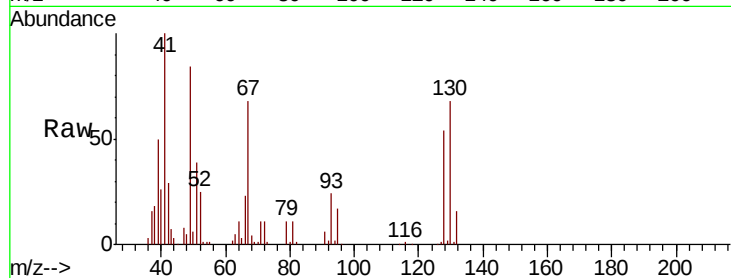




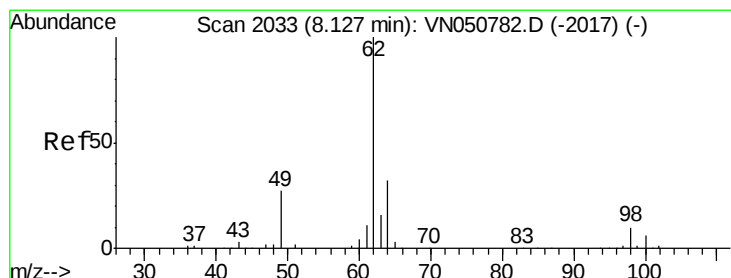
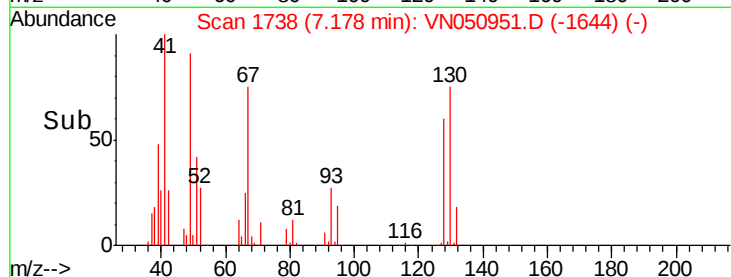
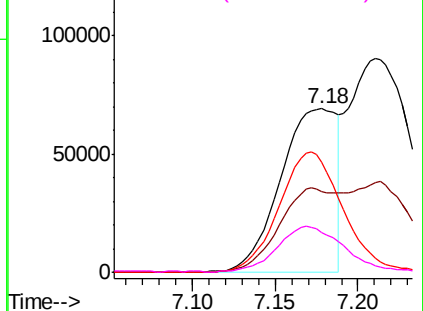
#41
Methacrylonitrile
Concen: 54.13 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 163532
Ion Ratio Lower Upper
41 100
39 47.5 45.4 68.0
67 84.2 70.6 106.0
52 32.7 27.1 40.7

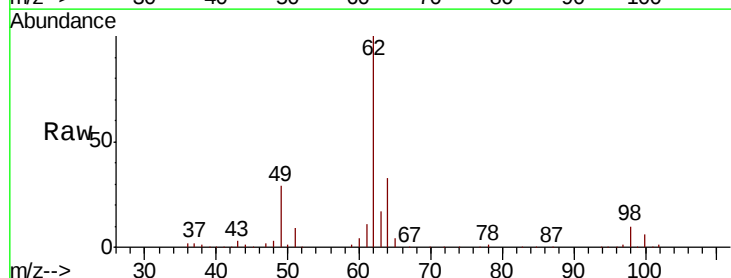


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

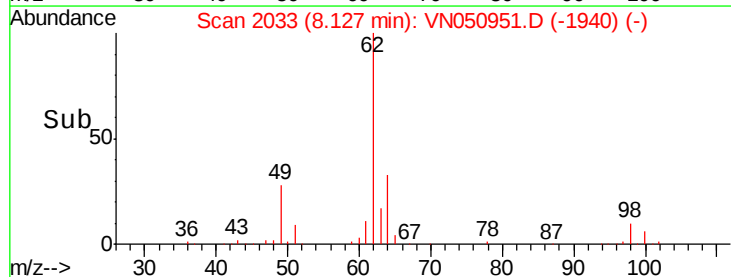
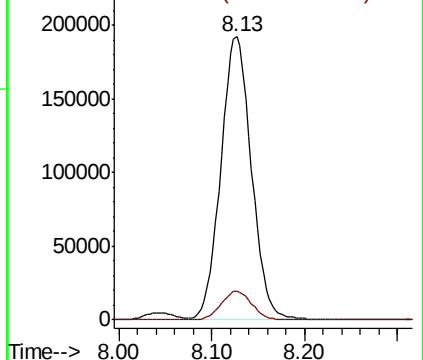


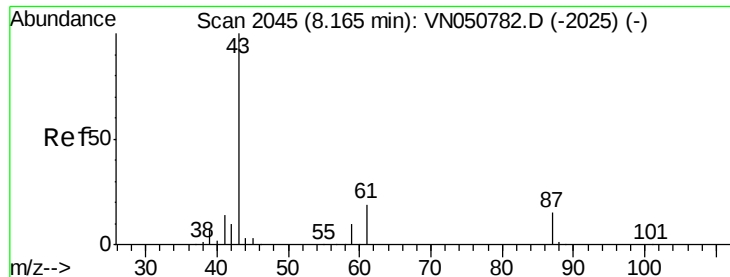
#42
1,2-Dichloroethane
Concen: 50.12 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 62 Resp: 439178
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.6



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





#43

Isopropyl Acetate

Concen: 51.84 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

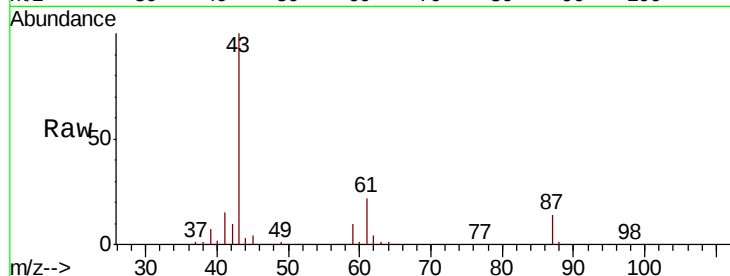
Tot Ion: 43 Resp: 497593

Ion Ratio Lower Upper

43 100

61 31.3 17.5 26.3#

87 14.3 11.3 16.9

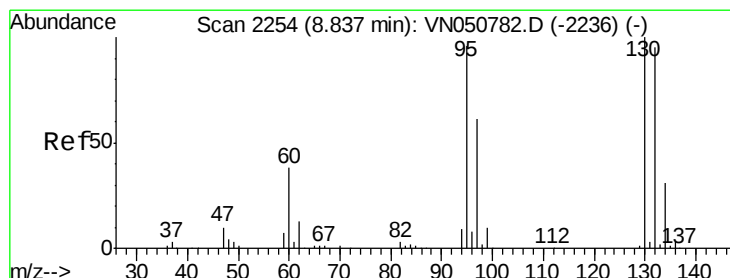
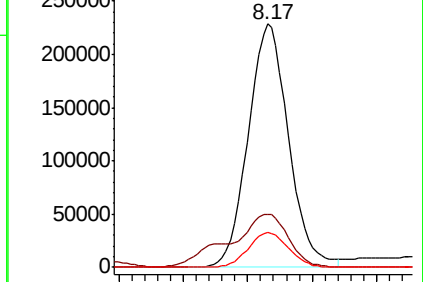
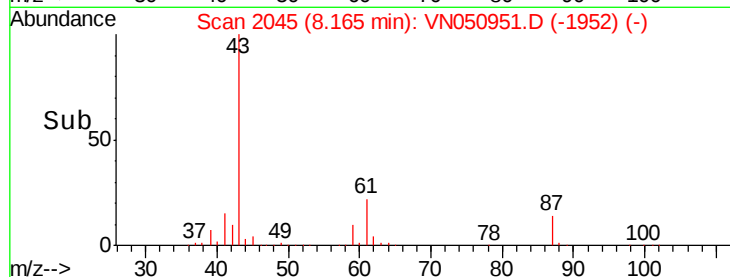


Abundance Ion 43.00 (42.70 to 43.70): VN050951.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050951.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050951.D (-1952) (-)

Time-->



#44

Trichloroethene

Concen: 50.21 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050951.D

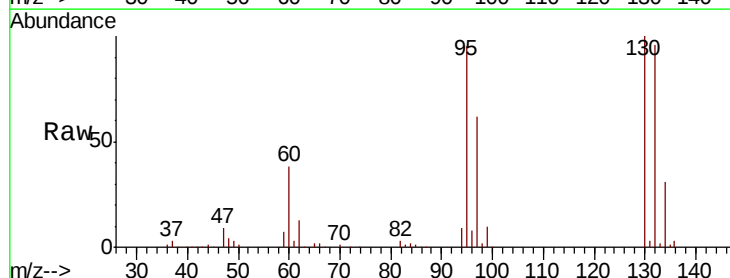
Acq: 30 Aug 2018 10:22

Tgt Ion:130 Resp: 388110

Ion Ratio Lower Upper

130 100

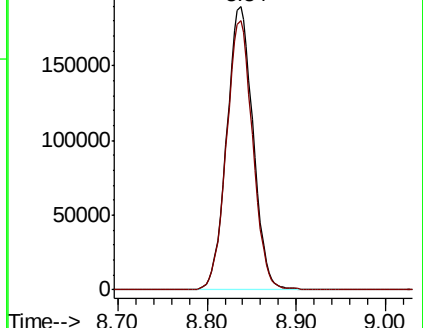
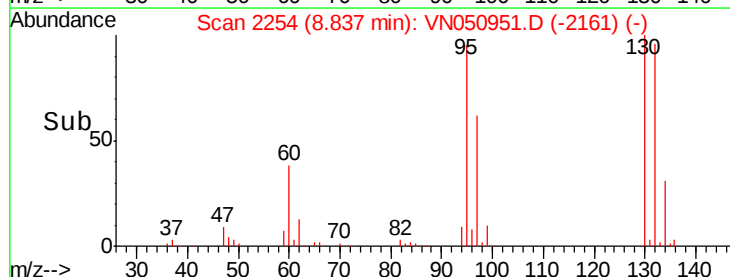
95 95.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050951.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050951.D (-2161) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 50.16 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

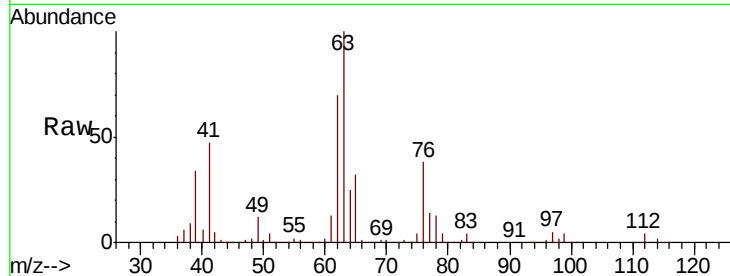
VSTDCCC050

Tot Ion: 63 Resp: 386373

Ion Ratio Lower Upper

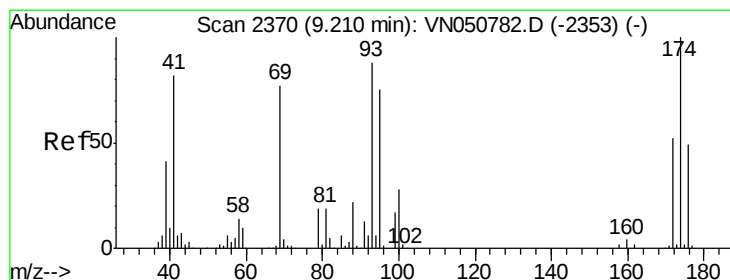
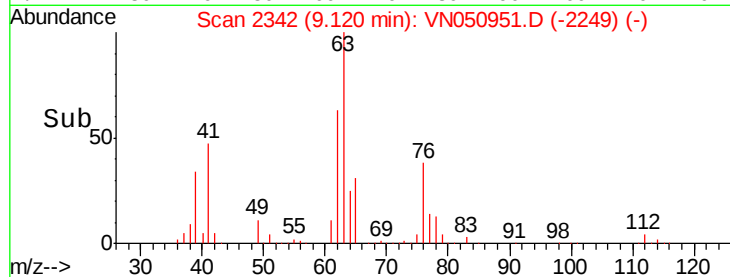
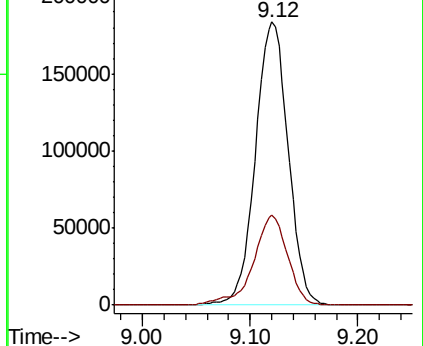
63 100

65 31.7 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.29 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

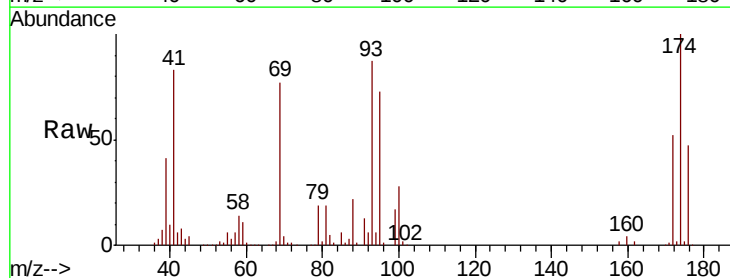
Tgt Ion: 93 Resp: 227618

Ion Ratio Lower Upper

93 100

95 83.6 66.7 100.1

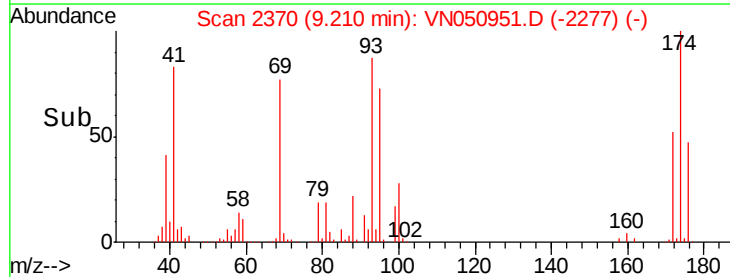
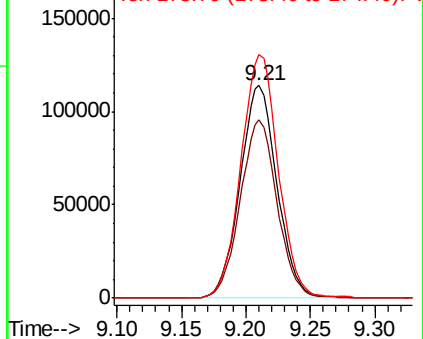
174 116.1 89.8 134.6

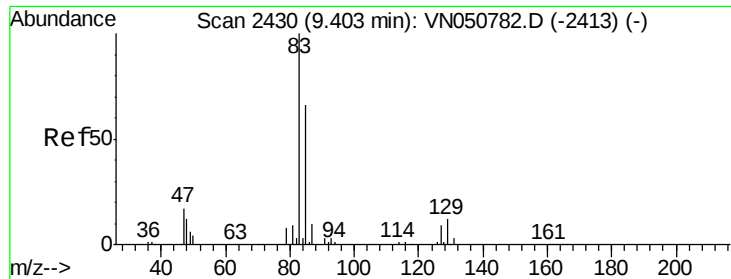


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.63 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

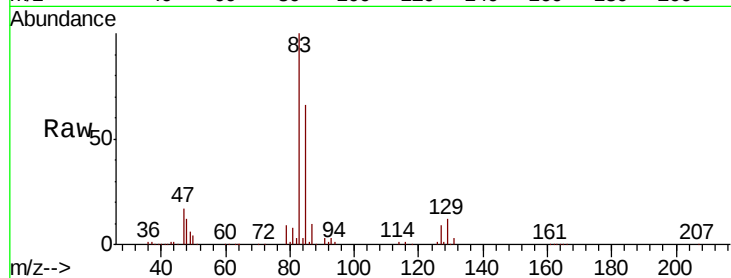
Tot Ion: 83 Resp: 489416

Ion Ratio Lower Upper

83 100

85 65.5 52.6 78.8

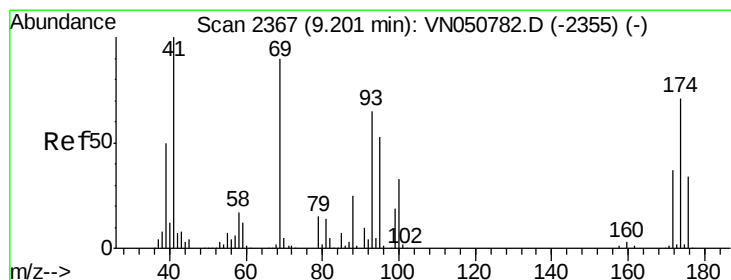
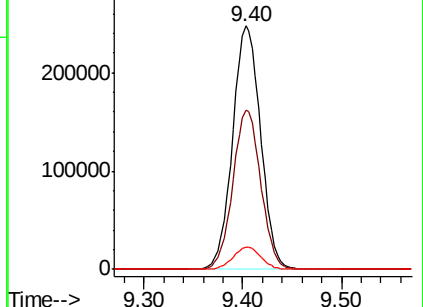
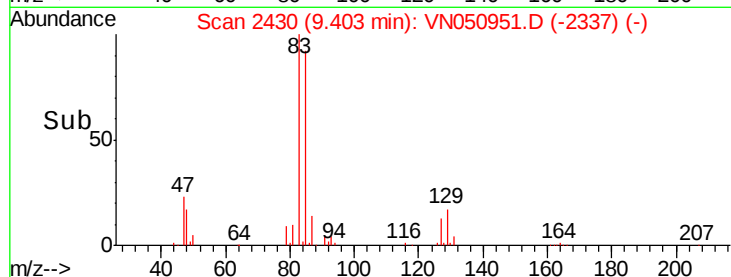
127 9.1 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050951.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050951.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050951.D (-2337) (-)



#48

Methyl methacrylate

Concen: 53.12 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

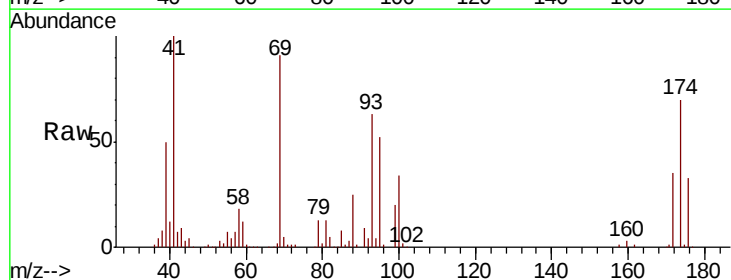
Tgt Ion: 41 Resp: 259885

Ion Ratio Lower Upper

41 100

69 94.8 74.7 112.1

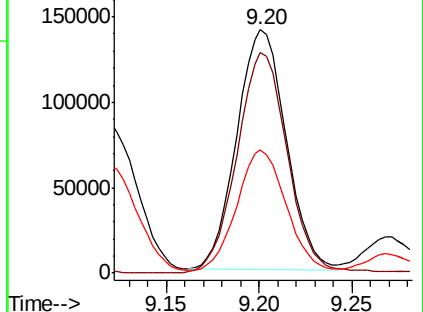
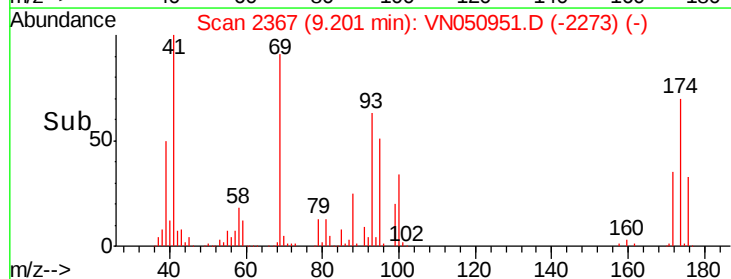
39 51.8 42.2 63.2

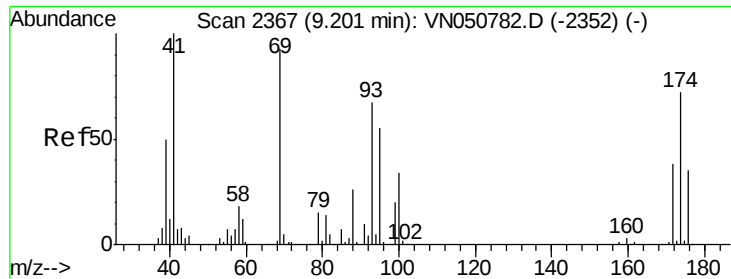


Abundance Ion 41.00 (40.70 to 41.70): VN050951.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050951.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050951.D (-2273) (-)

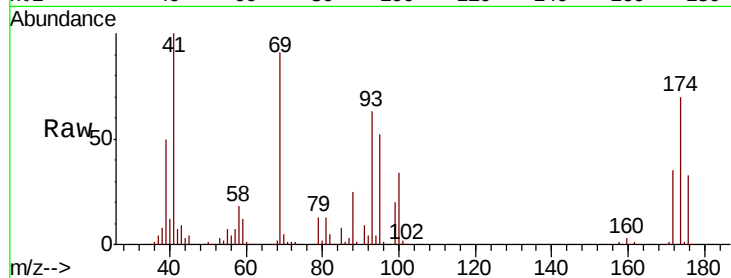




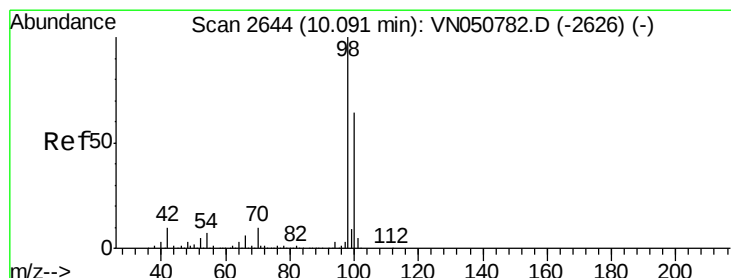
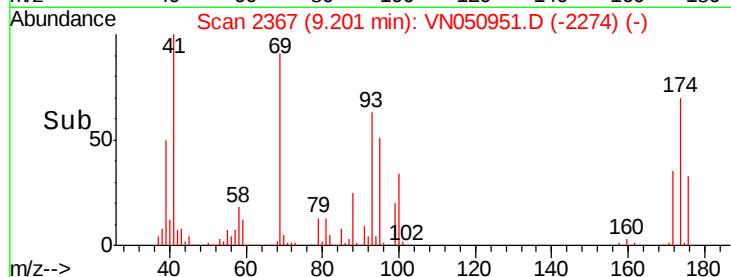
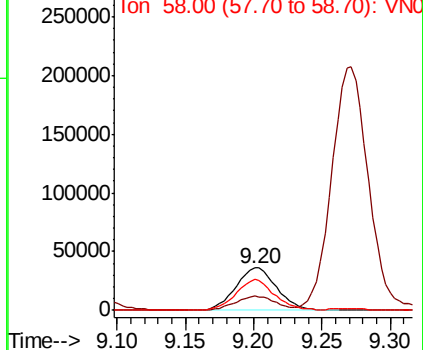
#49
 1,4-Dioxane
 Concen: 1130.47 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 75390
 Ion Ratio Lower Upper
 88 100
 43 31.0 25.9 38.9
 58 68.4 55.0 82.4

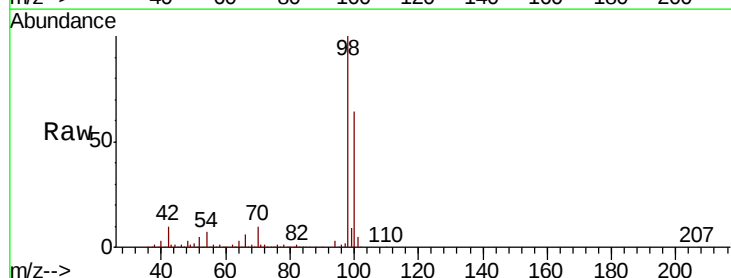


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

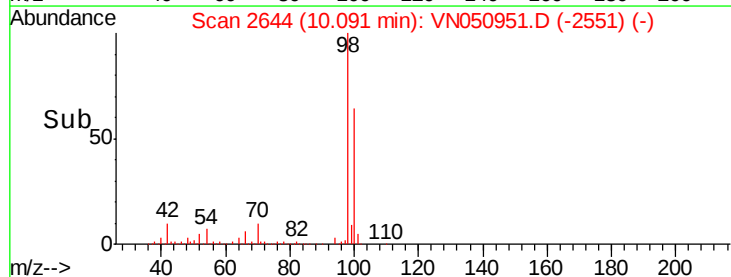
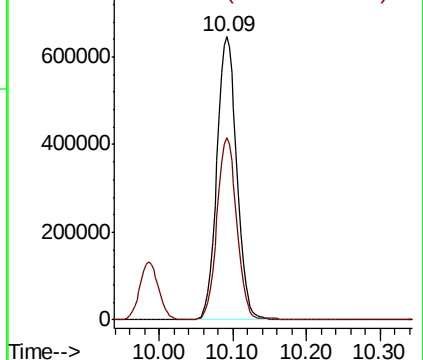


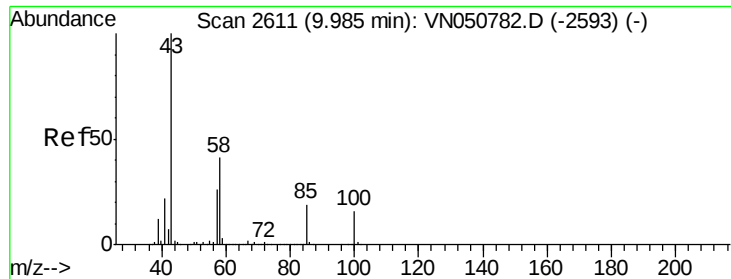
#50
 Toluene-d8
 Concen: 49.27 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 98 Resp: 1206901
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.5 77.3



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





#51

4-Methyl-2-Pentanone

Concen: 256.50 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

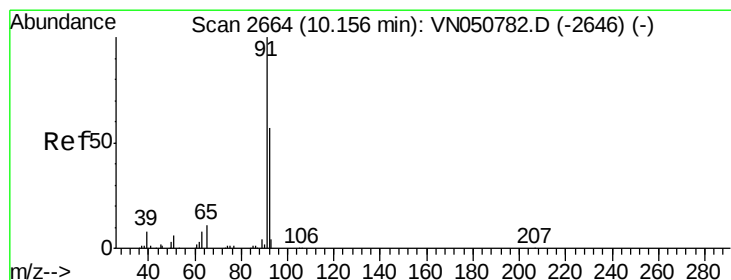
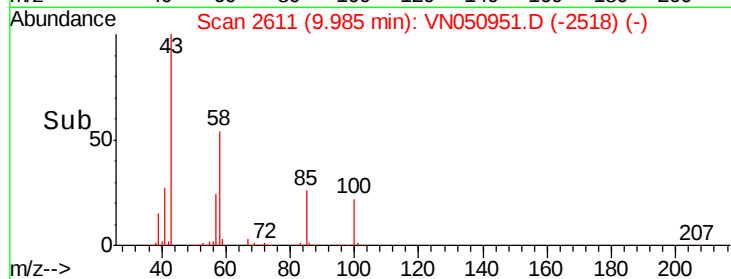
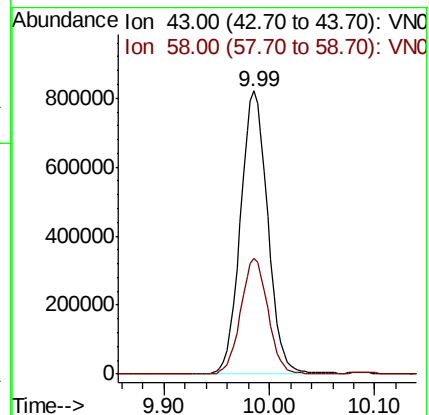
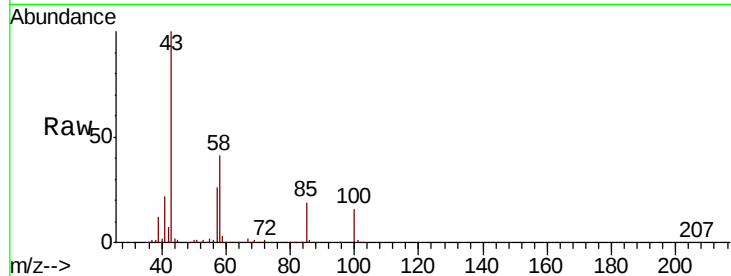
VSTDCCC050

Tot Ion: 43 Resp: 1469298

Ion Ratio Lower Upper

43 100

58 40.8 32.4 48.6



#52

Toluene

Concen: 52.73 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050951.D

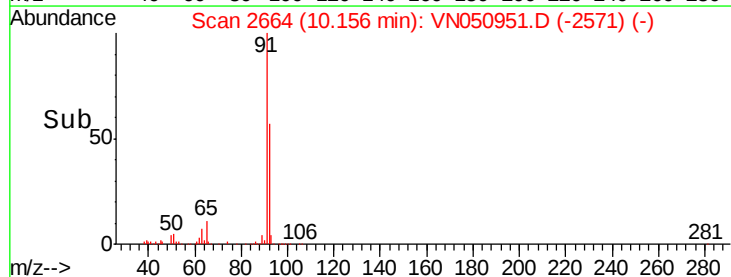
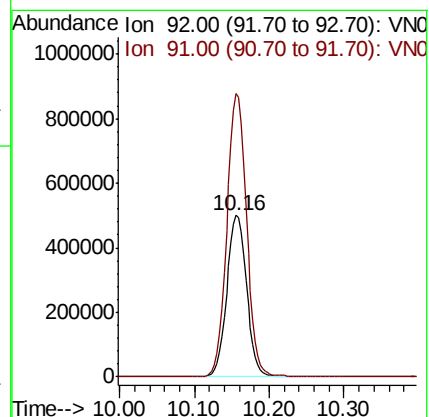
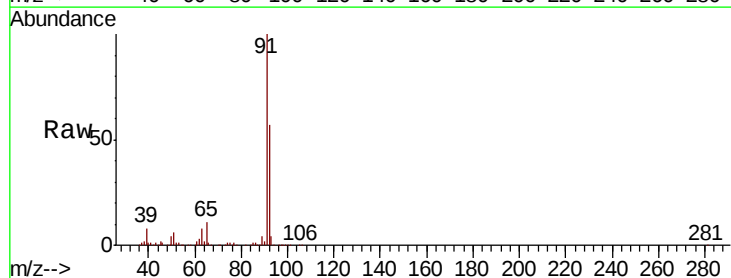
Acq: 30 Aug 2018 10:22

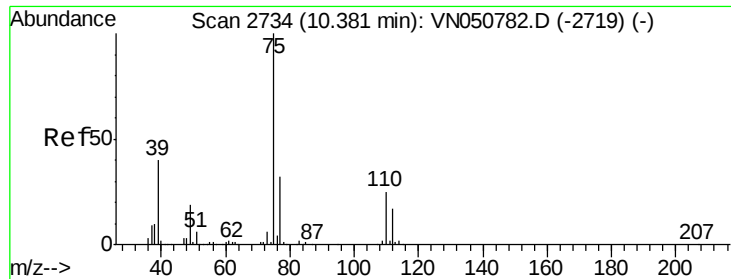
Tgt Ion: 92 Resp: 915437

Ion Ratio Lower Upper

92 100

91 174.4 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 52.11 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

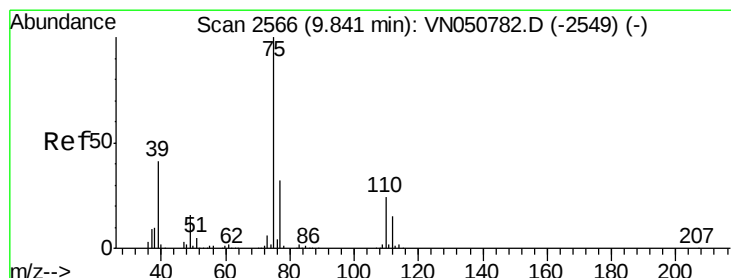
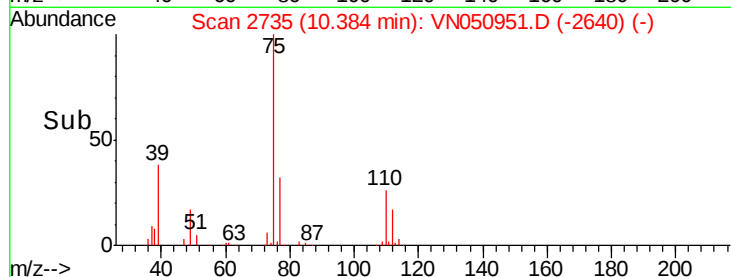
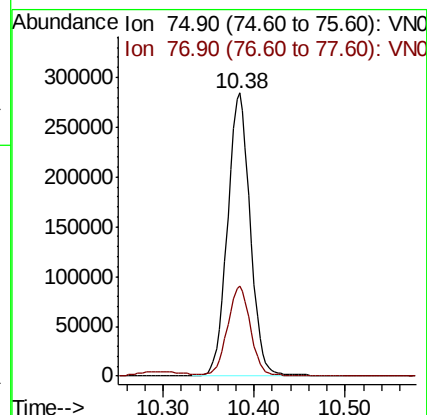
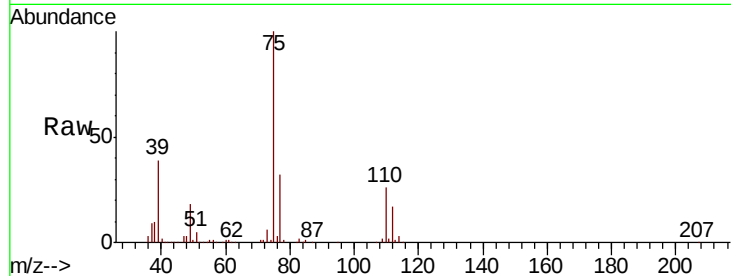
VSTDCCC050

Tot Ion: 75 Resp: 491659

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 52.89 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

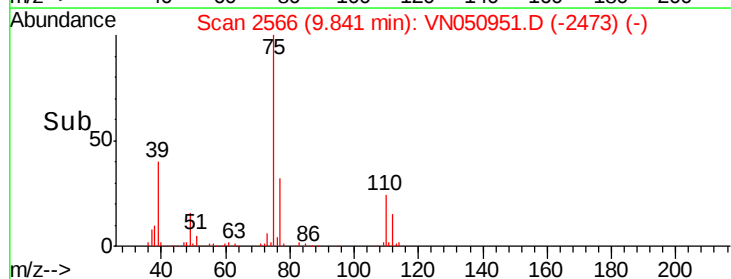
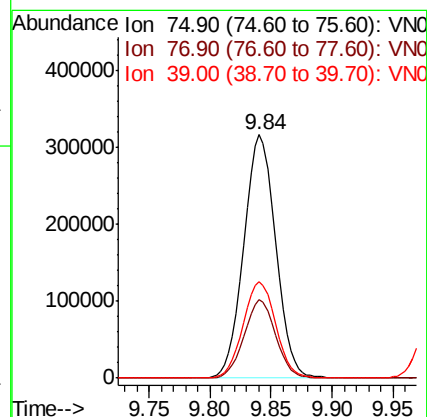
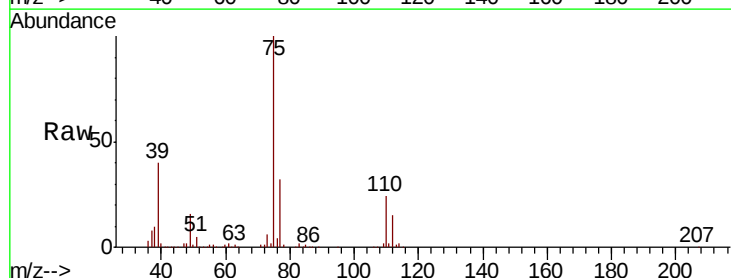
Tgt Ion: 75 Resp: 571406

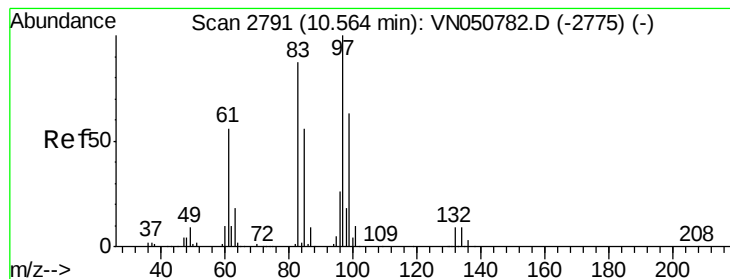
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 39.8 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 51.55 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 97 Resp: 332202

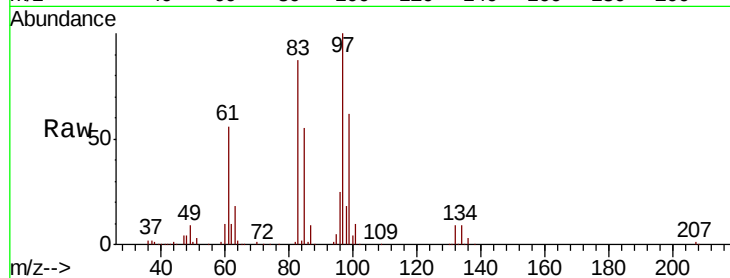
Ion Ratio Lower Upper

97 100

83 87.1 69.7 104.5

85 55.4 44.5 66.7

99 62.2 50.7 76.1

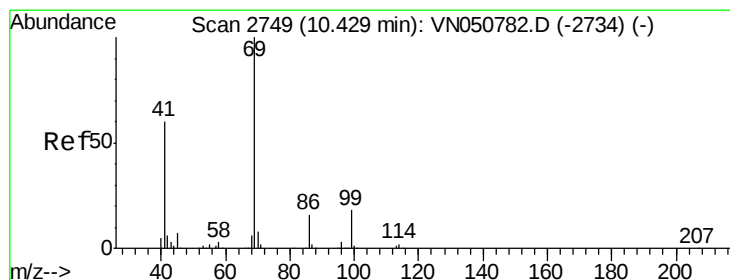
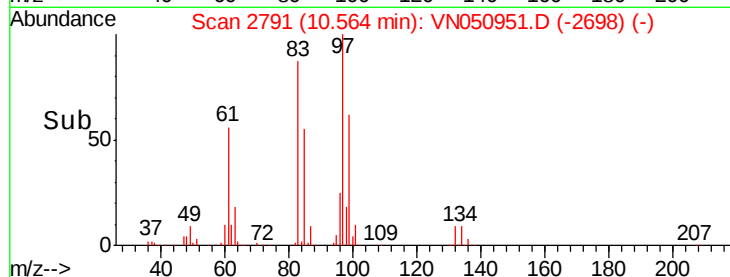
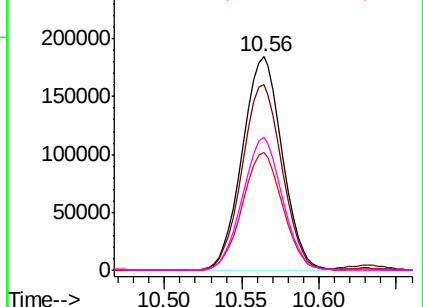


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 48.17 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

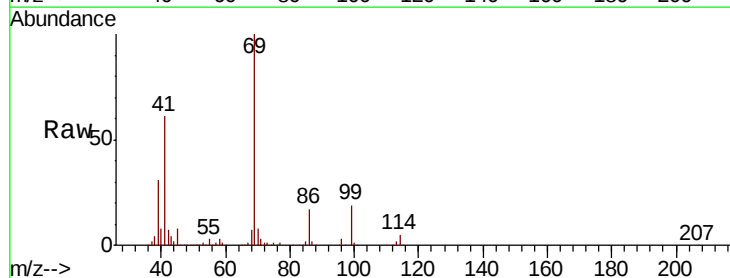
Tgt Ion: 69 Resp: 403048

Ion Ratio Lower Upper

69 100

41 61.8 48.3 72.5

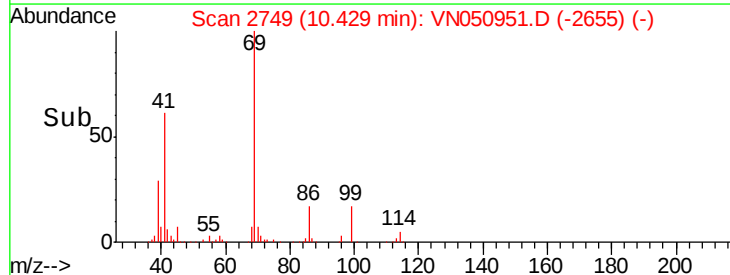
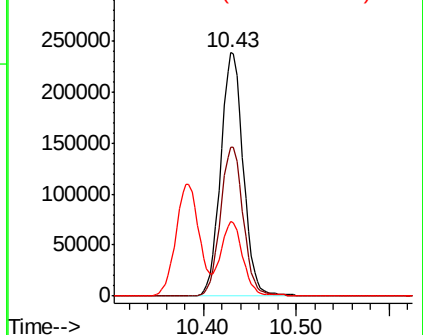
39 29.7 24.0 36.0

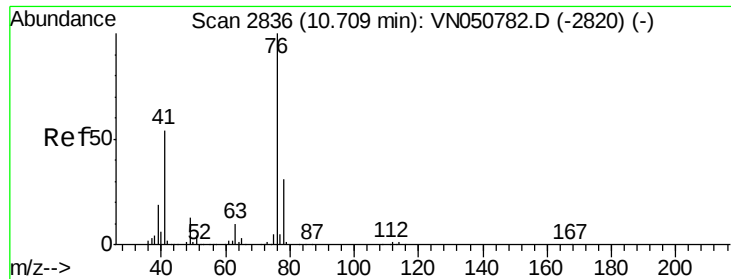


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

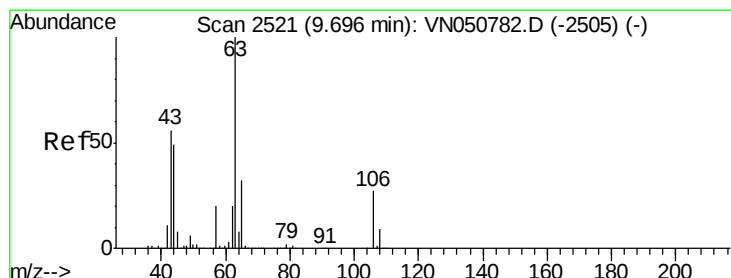
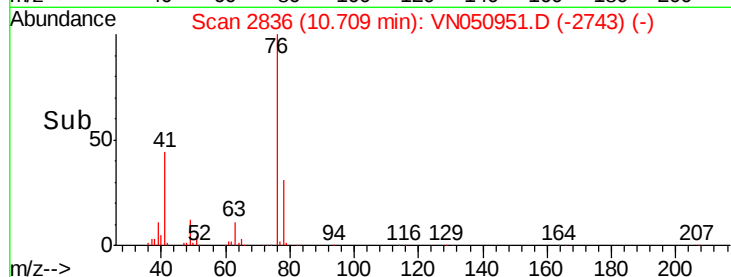
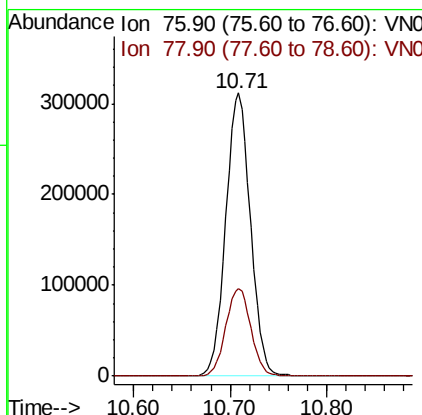
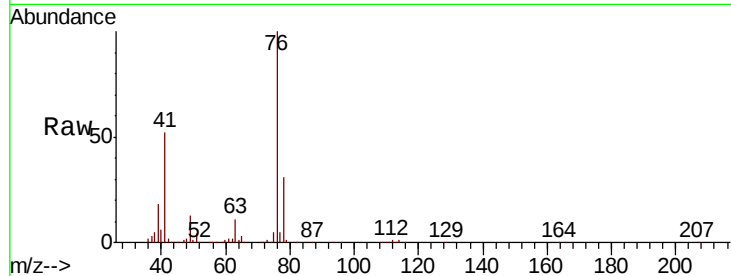




#57
 1,3-Dichloropropane
 Concen: 51.85 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

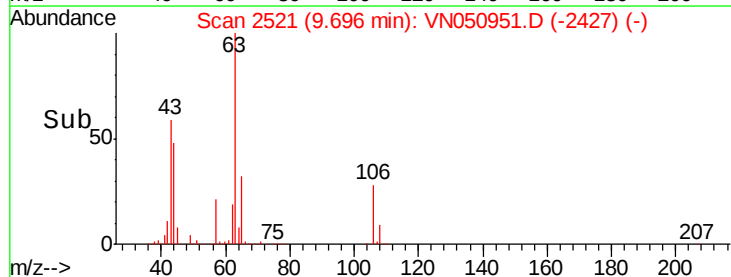
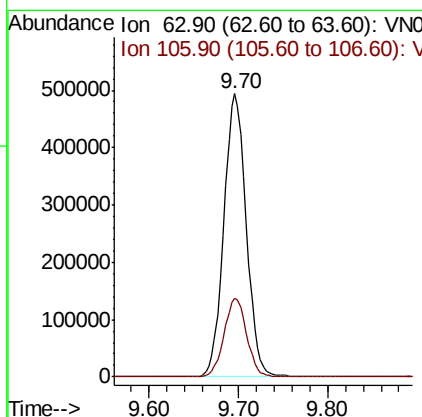
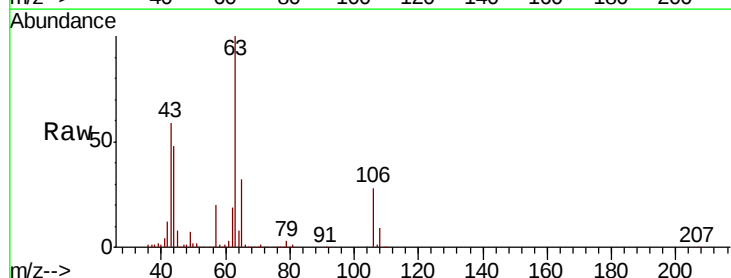
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

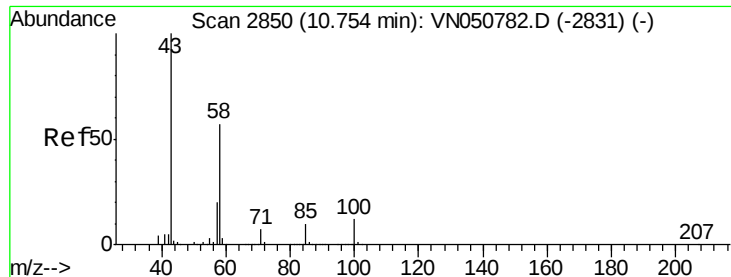
Tot Ion: 76 Resp: 551501
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 235.75 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 63 Resp: 859640
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.9 32.9

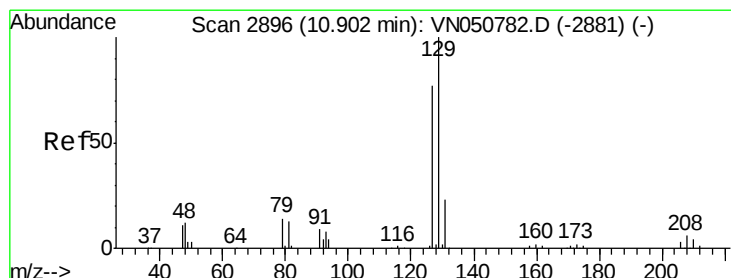
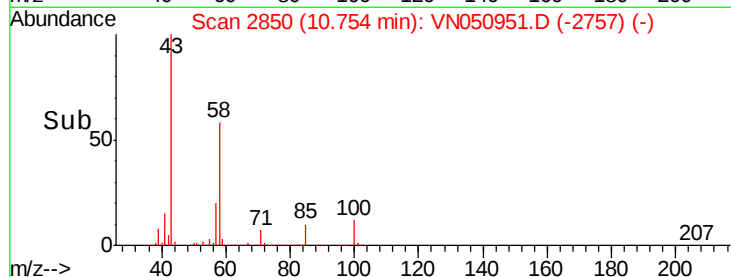
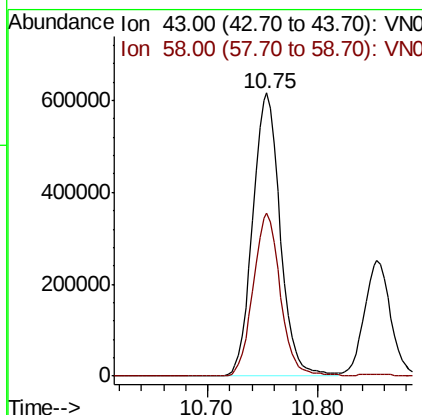
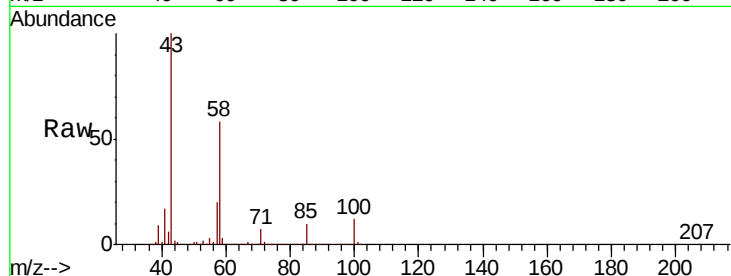




#59
2-Hexanone
Concen: 279.04 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

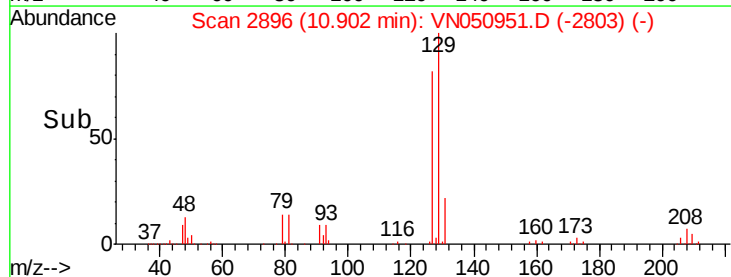
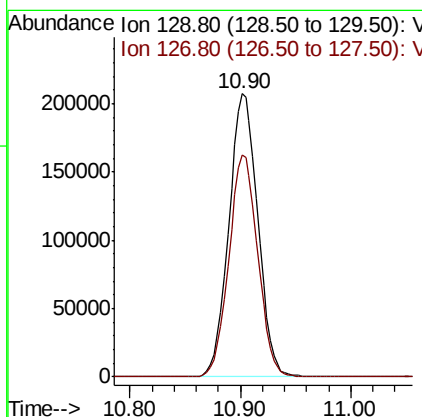
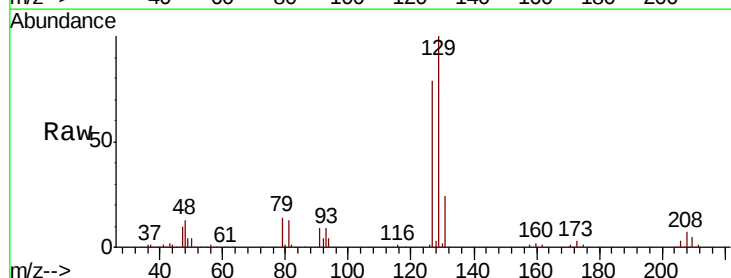
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

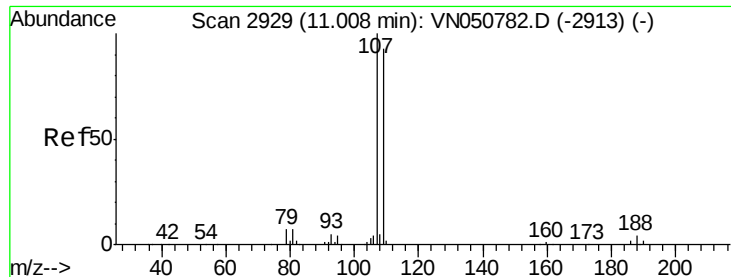
Tot Ion: 43 Resp: 1064093
Ion Ratio Lower Upper
43 100
58 57.0 28.3 85.0



#60
Dibromochloromethane
Concen: 52.23 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 129 Resp: 376837
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.9





#61

1,2-Dibromoethane

Concen: 52.10 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

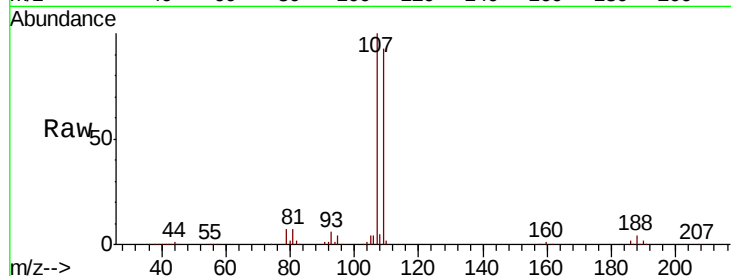
VSTDCCC050

Tot Ion:107 Resp: 324643

Ion Ratio Lower Upper

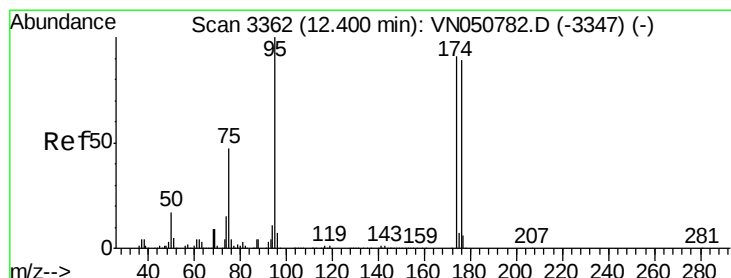
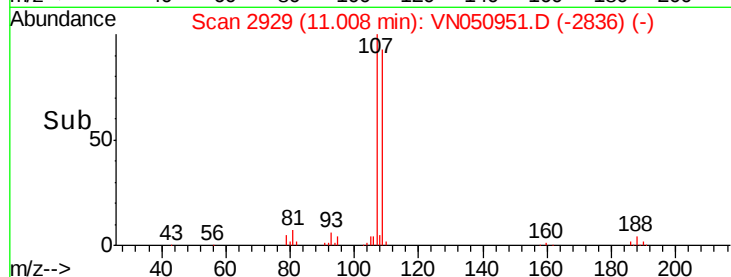
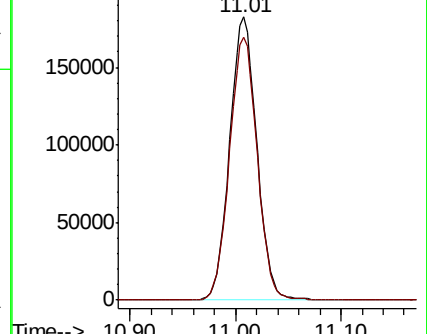
107 100

109 94.8 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.19 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

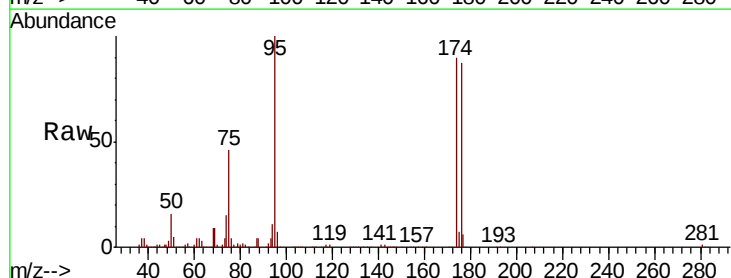
Tgt Ion: 95 Resp: 408601

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.0

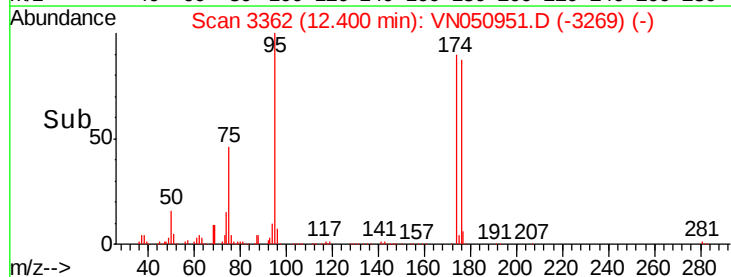
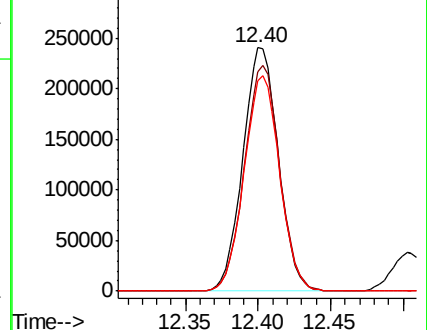
176 88.7 0.0 178.8

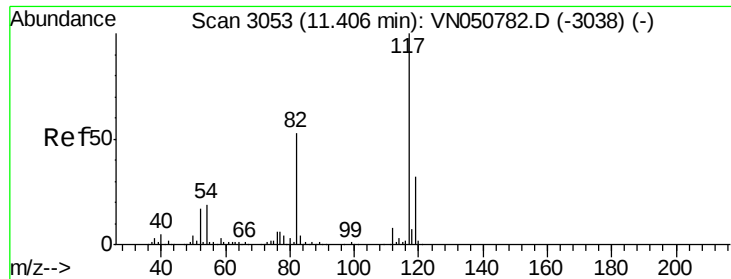


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

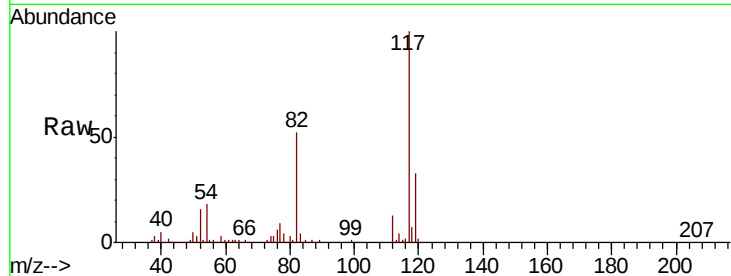




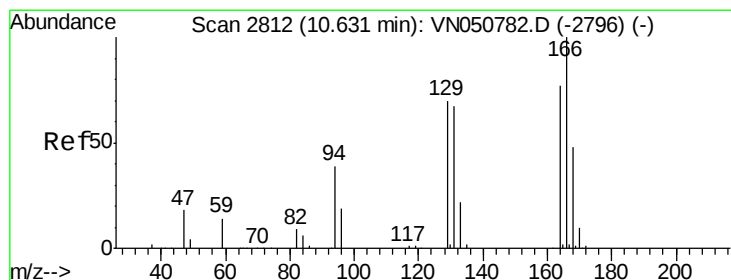
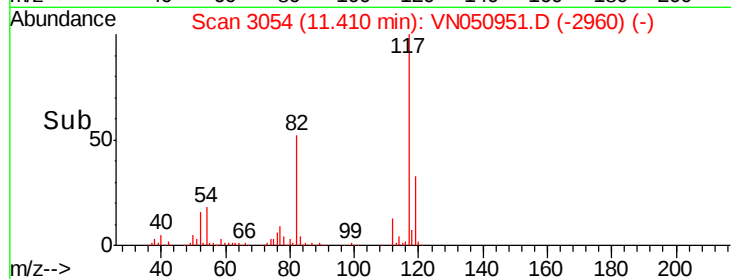
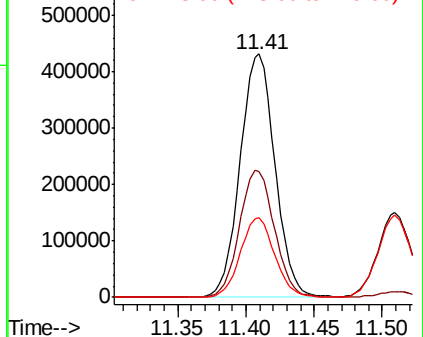
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 765781
Ion Ratio Lower Upper
117 100
82 51.7 42.6 64.0
119 32.5 25.8 38.6

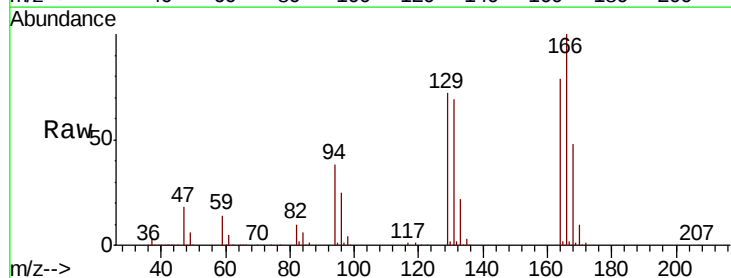


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

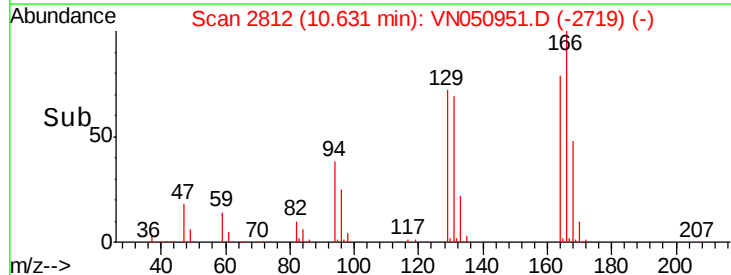
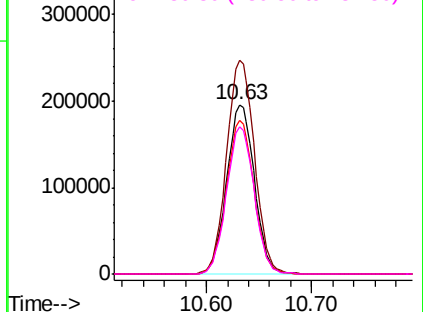


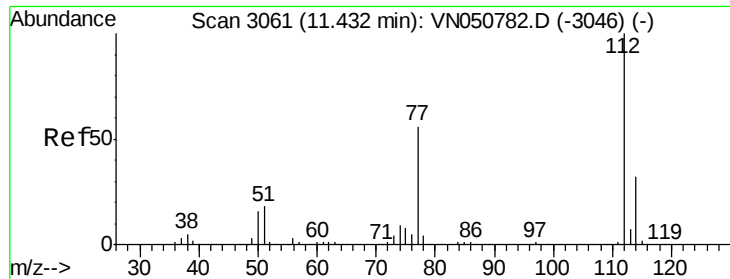
#64
Tetrachloroethene
Concen: 48.93 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion:164 Resp: 355869
Ion Ratio Lower Upper
164 100
166 126.3 103.5 155.3
129 91.1 72.7 109.1
131 86.7 69.5 104.3



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

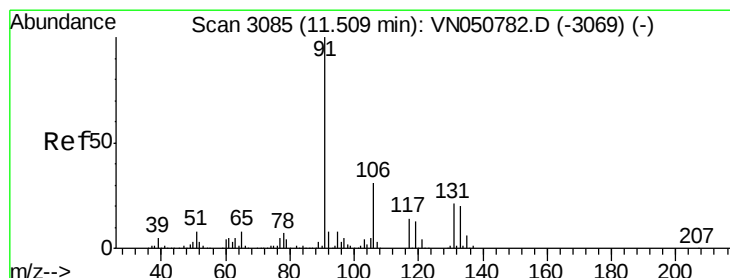
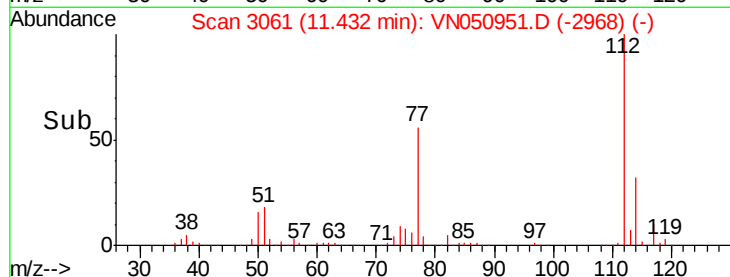
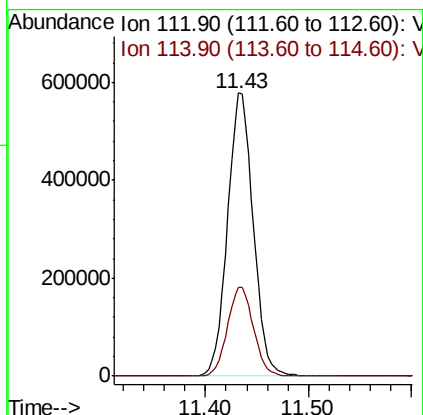
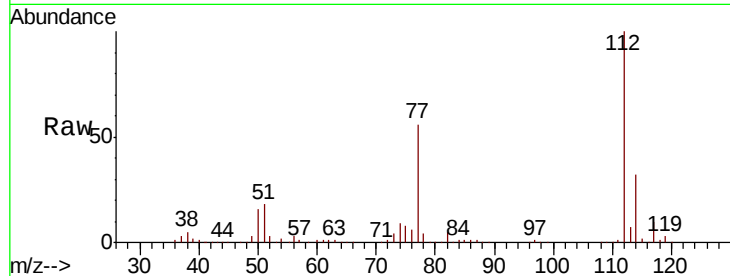




#65
Chlorobenzene
Concen: 50.11 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

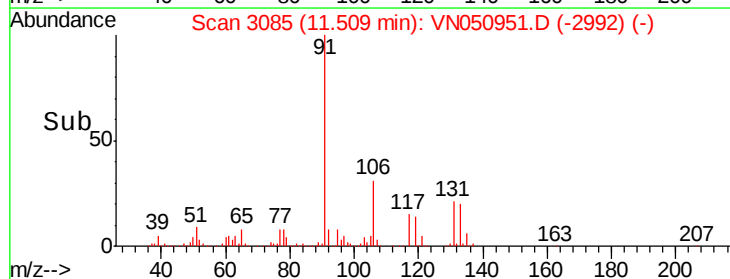
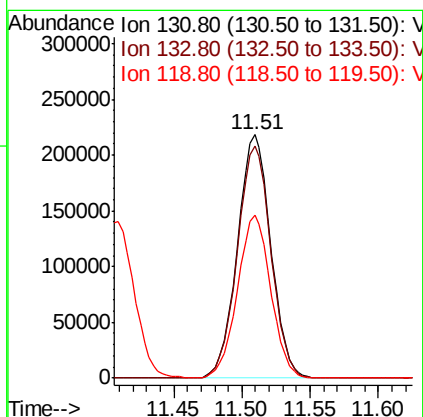
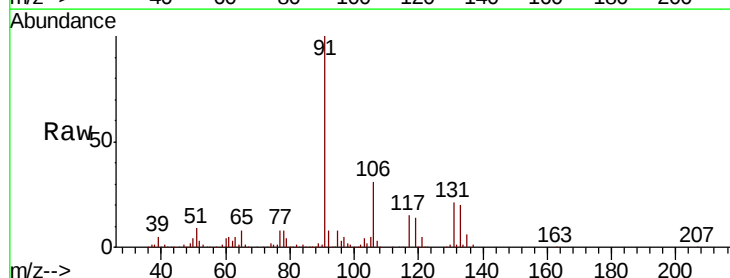
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

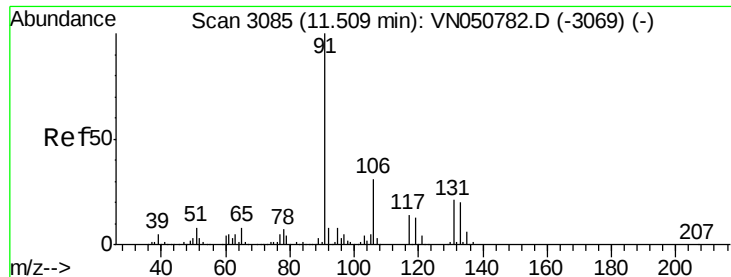
Tot Ion:112 Resp: 1002975
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 50.62 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion:131 Resp: 370733
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 66.8 32.8 98.4

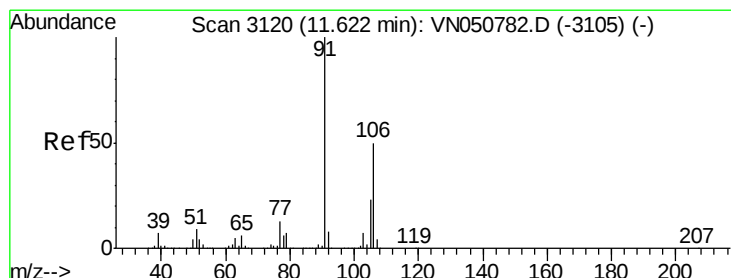
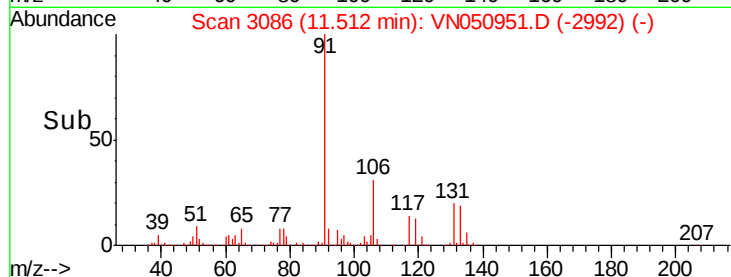
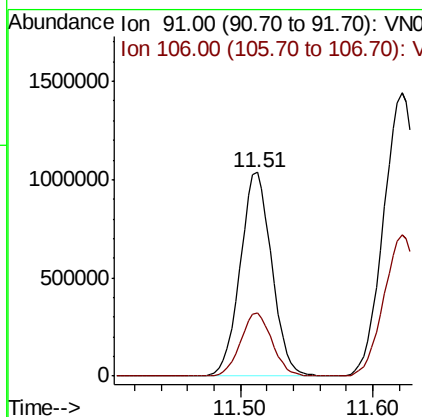
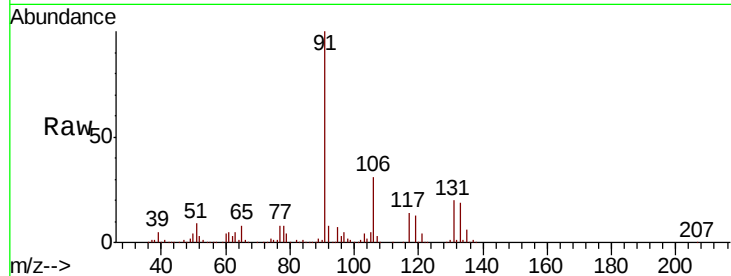




#67
Ethyl Benzene
Concen: 52.50 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

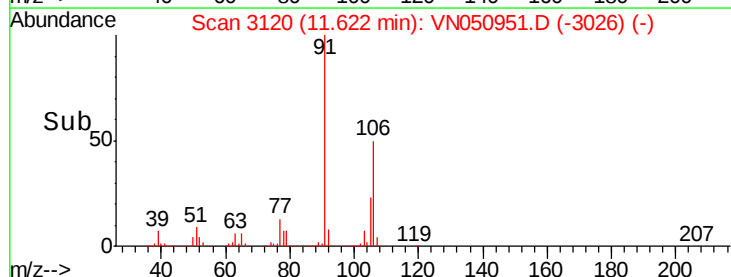
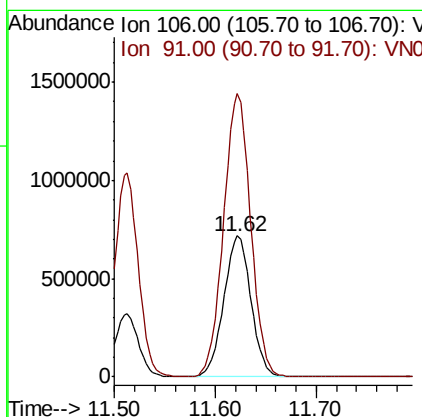
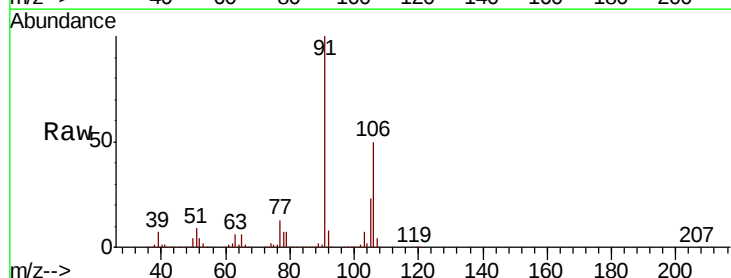
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1708330
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 108.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 106 Resp: 1345286
Ion Ratio Lower Upper
106 100
91 200.7 161.0 241.6

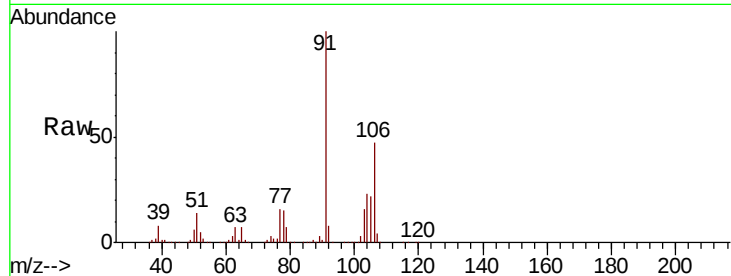




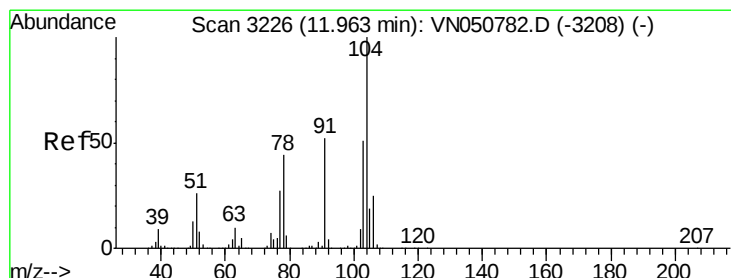
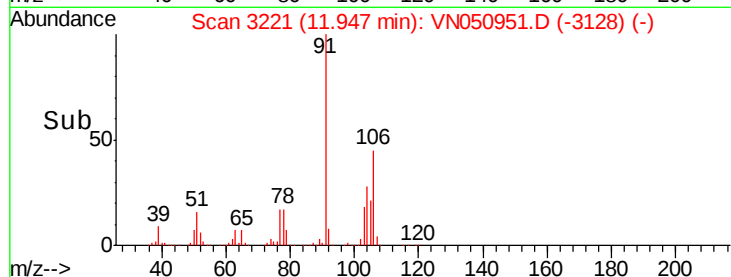
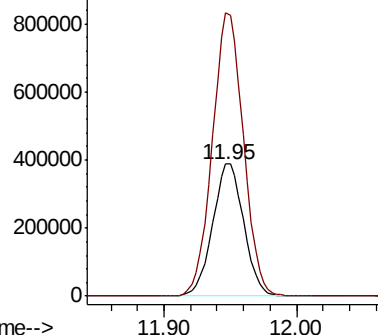
#69
o-Xylene
Concen: 53.37 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 633747
Ion Ratio Lower Upper
106 100
91 213.3 106.5 319.5

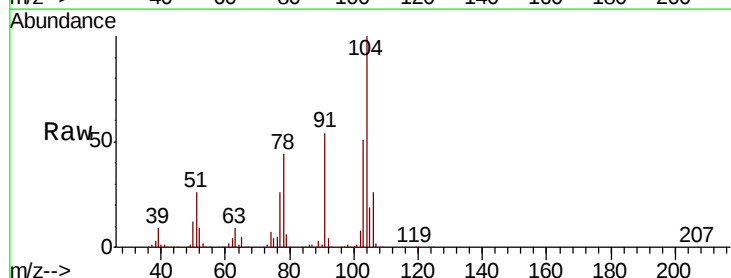


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

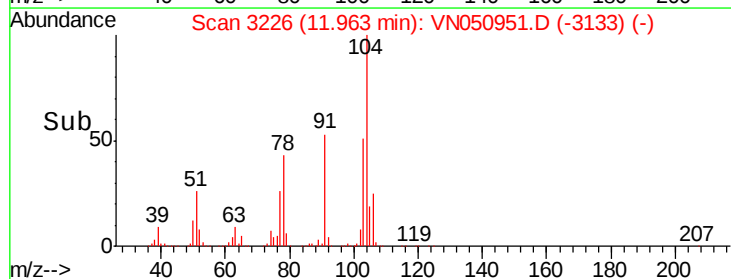
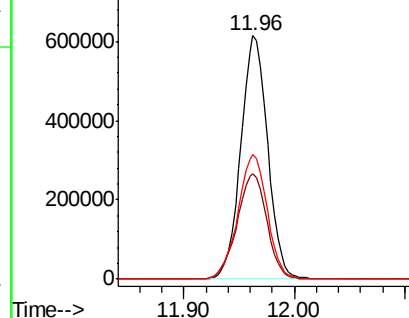


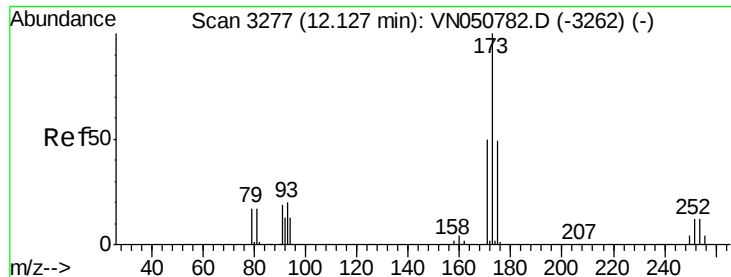
#70
Styrene
Concen: 49.58 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion:104 Resp: 1037364
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.4
103 55.8 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

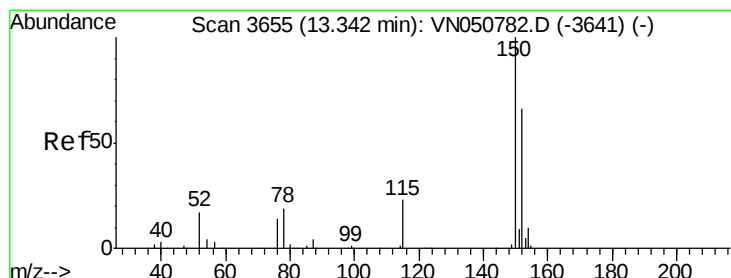
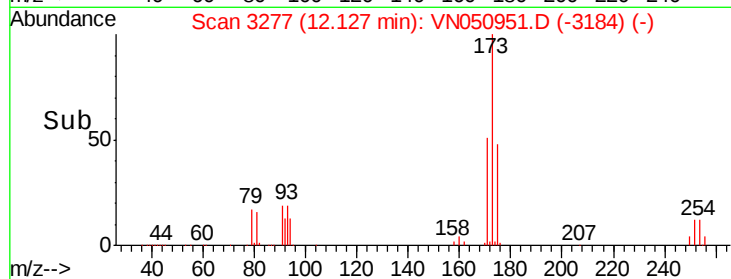
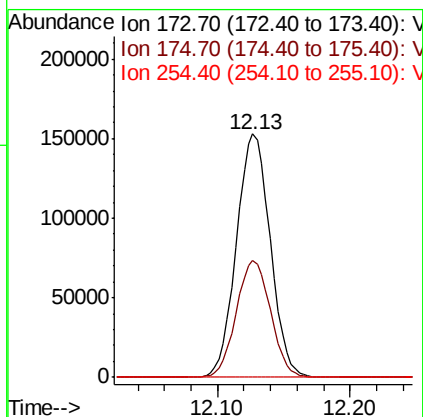
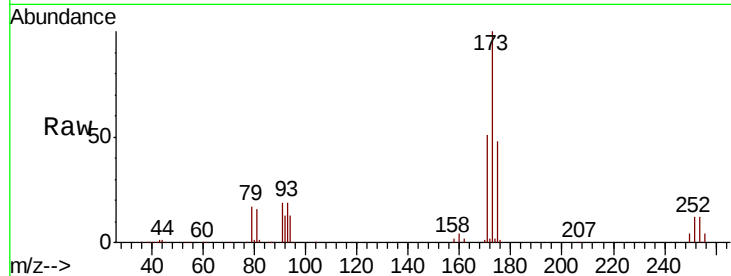




#71
Bromoform
Concen: 53.78 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

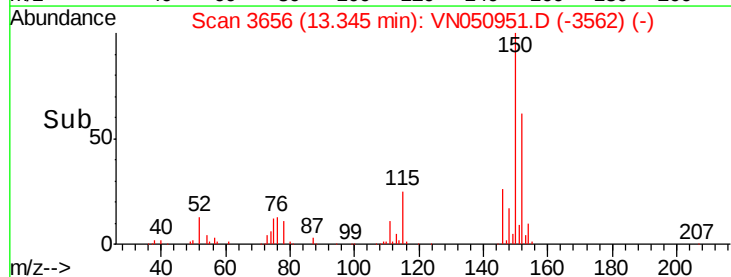
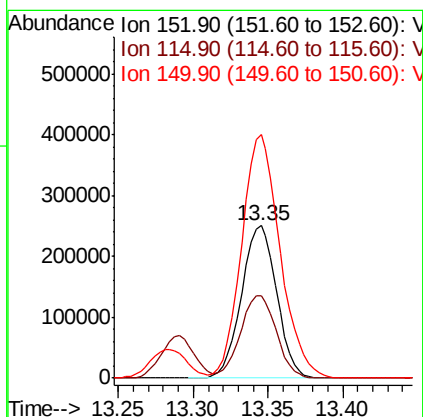
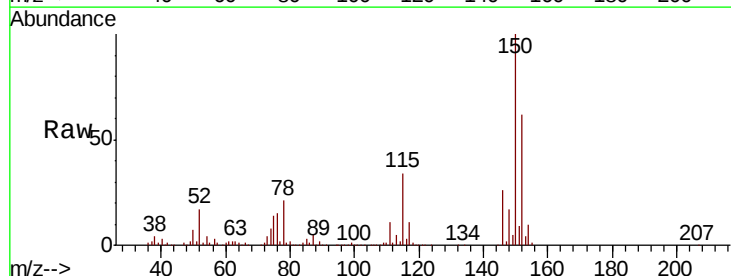
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

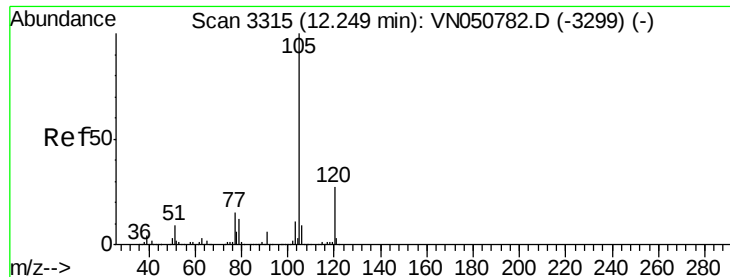
Tot Ion:173 Resp: 270851
Ion Ratio Lower Upper
173 100
175 48.8 24.4 73.4
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion:152 Resp: 409060
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 175.0 0.0 351.4





#73

Isopropylbenzene

Concen: 50.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

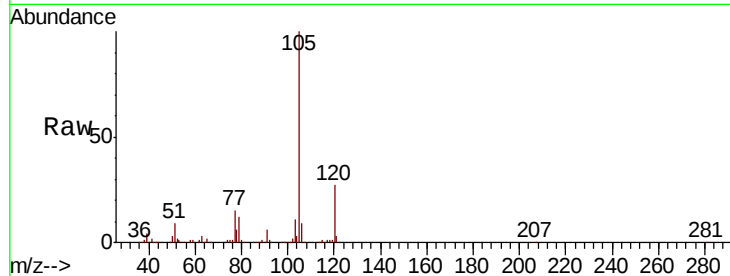
VSTDCCC050

Tot Ion:105 Resp: 1710165

Ion Ratio Lower Upper

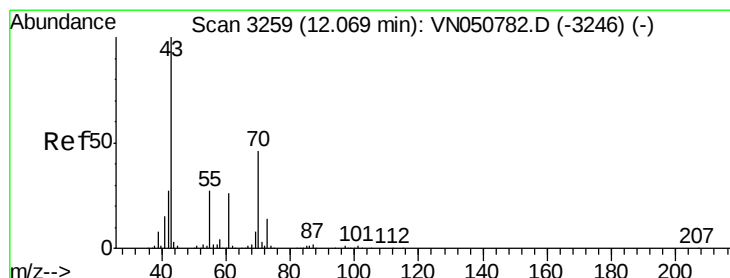
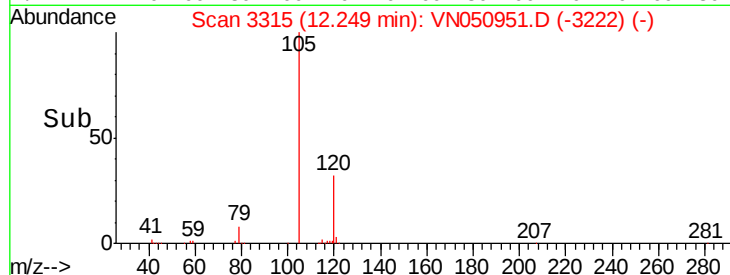
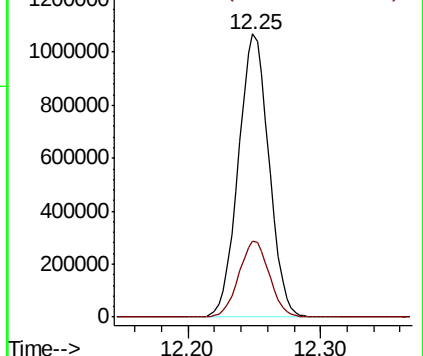
105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.64 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Tgt Ion: 43 Resp: 422501

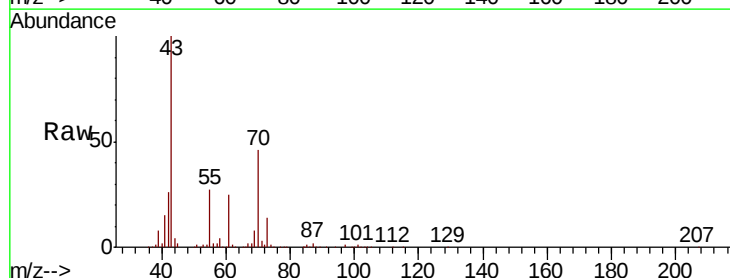
Ion Ratio Lower Upper

43 100

70 45.7 36.2 54.2

55 27.0 21.8 32.8

61 25.4 20.5 30.7

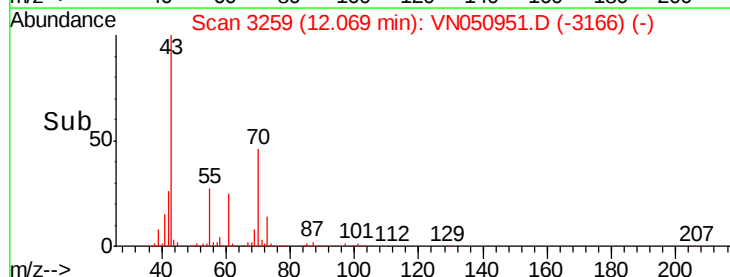
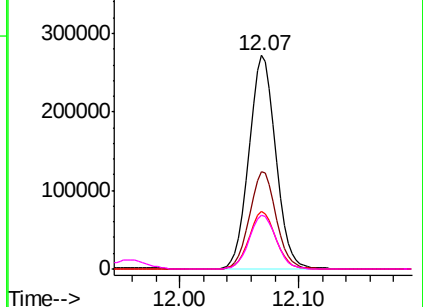


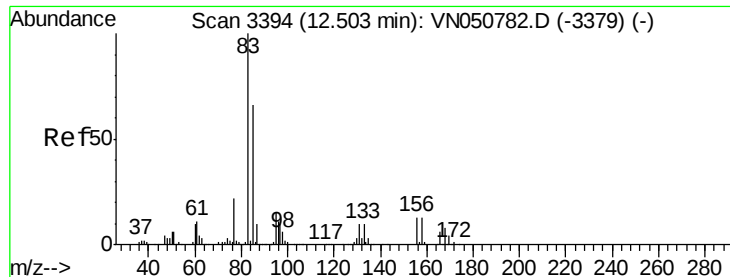
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.09 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

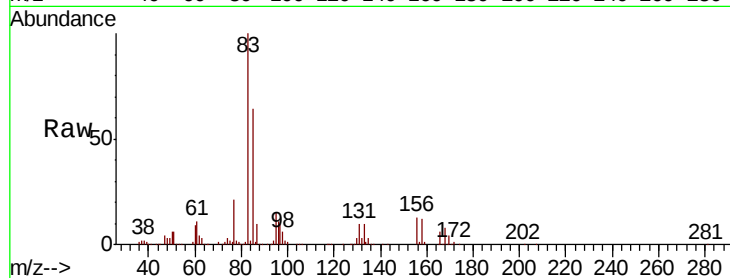
Tot Ion: 83 Resp: 420123

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.9

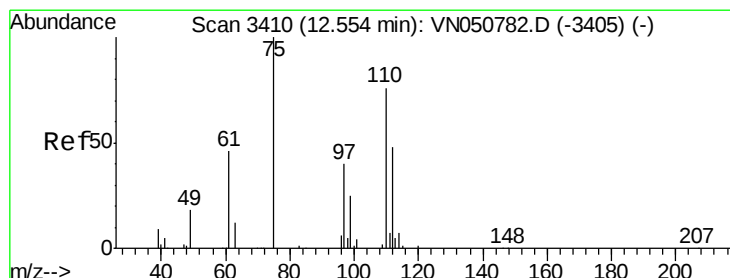
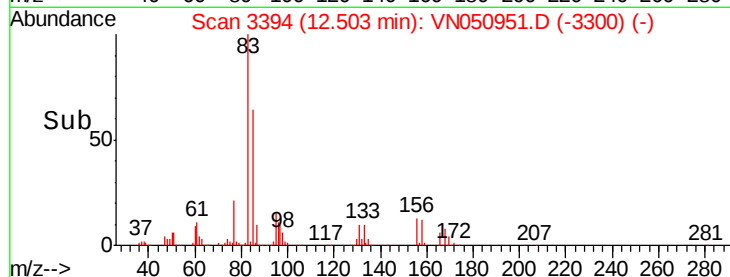
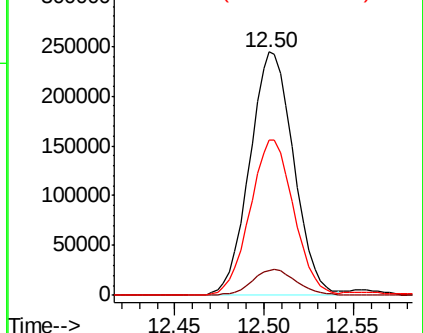
85 63.5 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 68.90 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050951.D

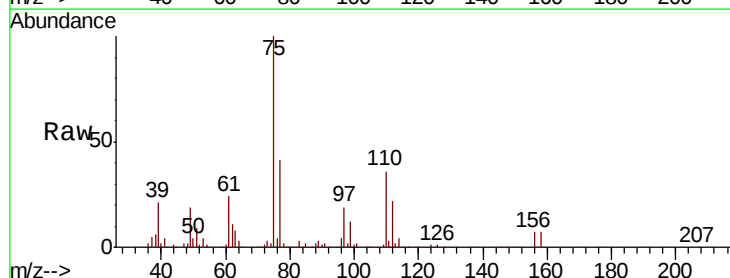
Acq: 30 Aug 2018 10:22

Tgt Ion: 75 Resp: 493624

Ion Ratio Lower Upper

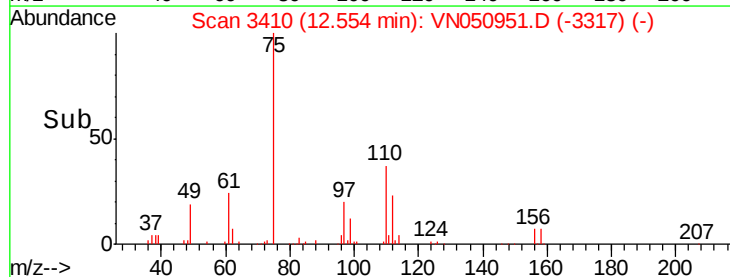
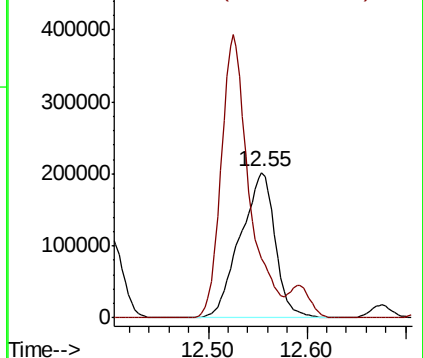
75 100

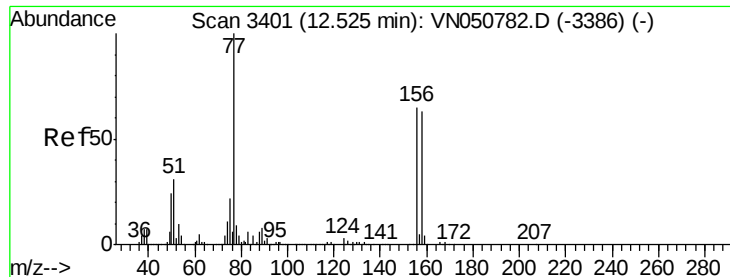
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 47.61 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

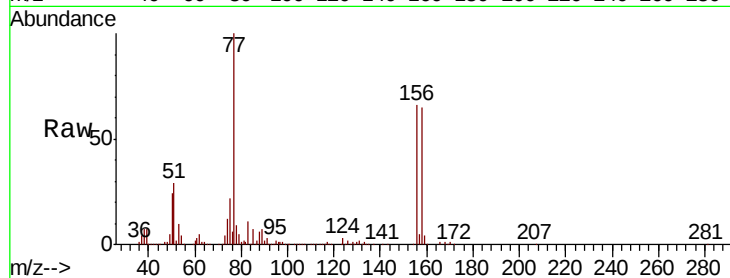
Tot Ion:156 Resp: 438268

Ion Ratio Lower Upper

156 100

77 178.6 89.9 269.7

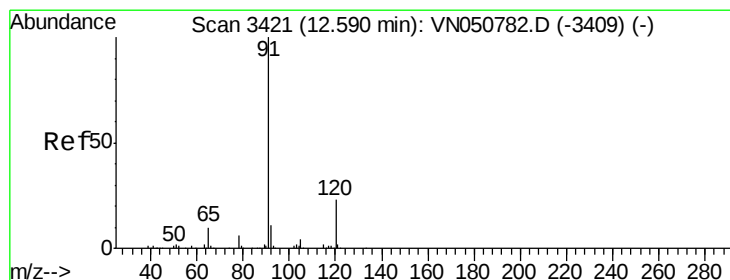
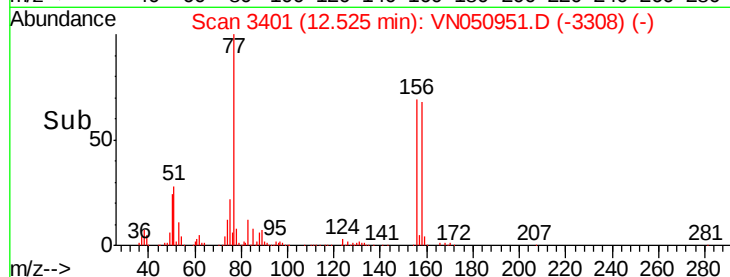
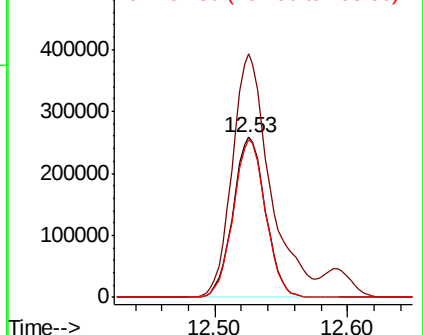
158 97.9 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.05 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050951.D

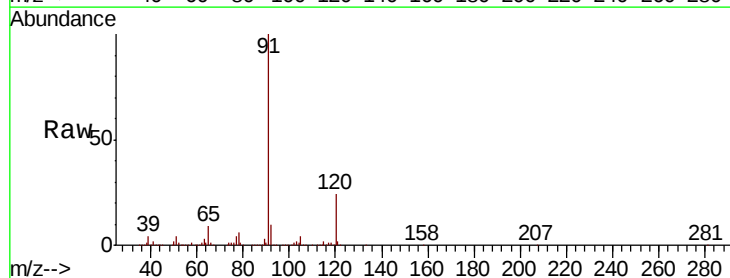
Acq: 30 Aug 2018 10:22

Tgt Ion: 91 Resp: 1969468

Ion Ratio Lower Upper

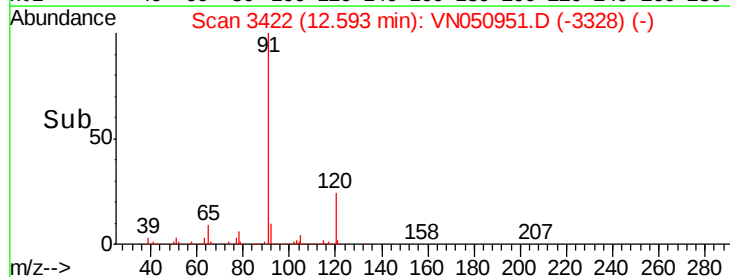
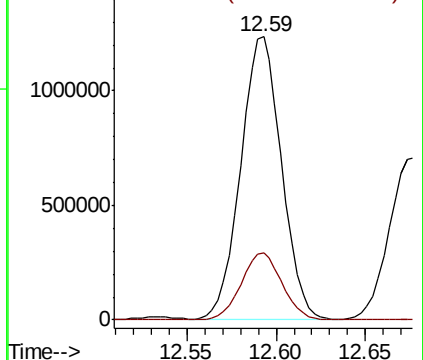
91 100

120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

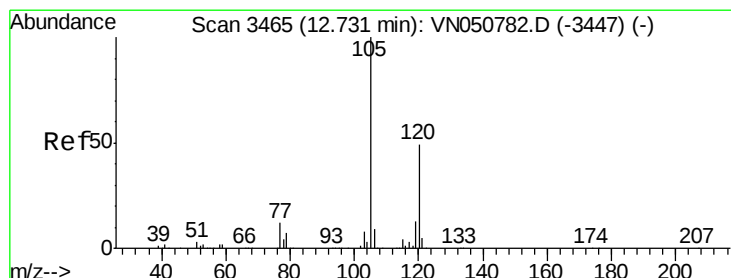
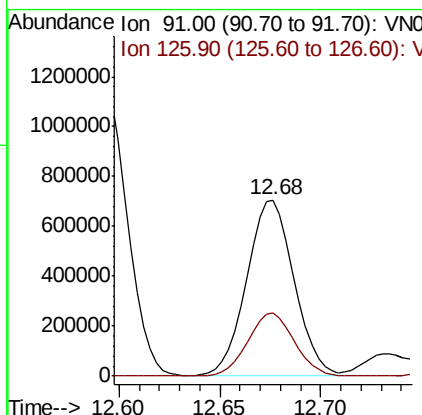
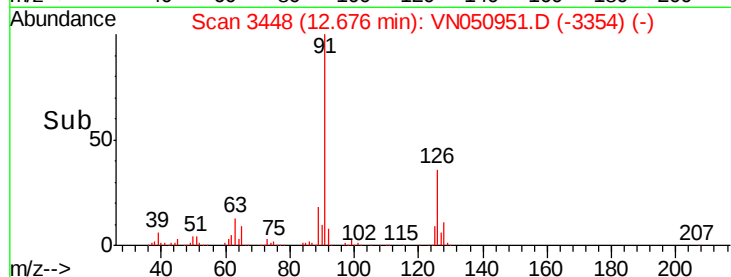
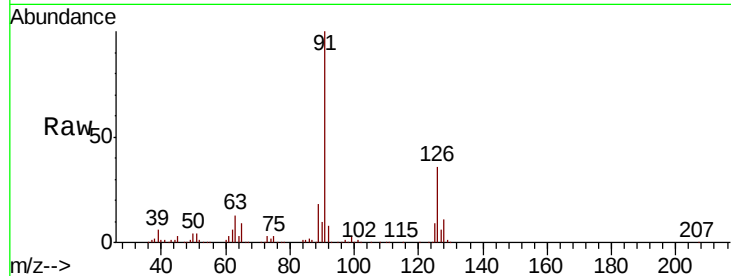




#79
 2-Chlorotoluene
 Concen: 49.14 ug/l
 RT: 12.68 min Scan# 3448
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

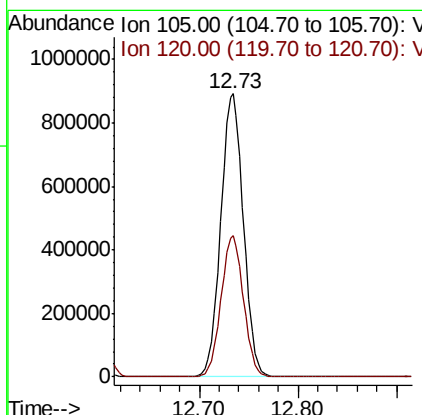
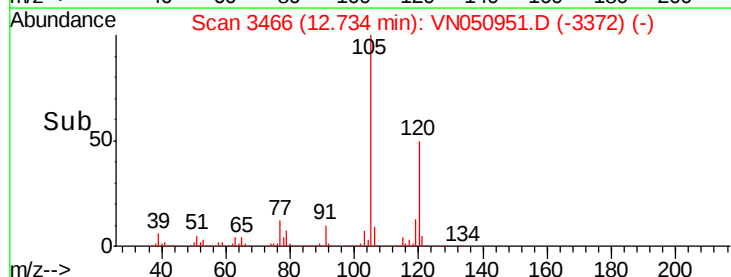
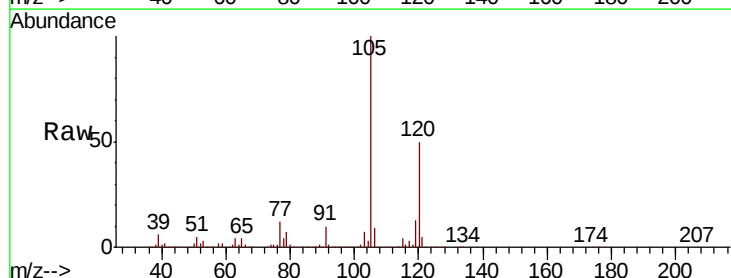
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 1158158
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.8 53.3



#80
 1,3,5-Trimethylbenzene
 Concen: 52.38 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion: 105 Resp: 1431655
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.65 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

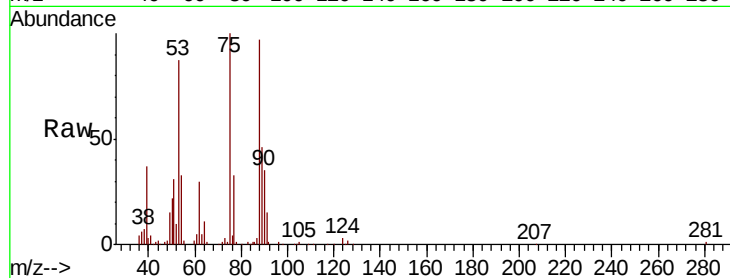
Tot Ion: 75 Resp: 107352

Ion Ratio Lower Upper

75 100

53 86.6 68.9 103.3

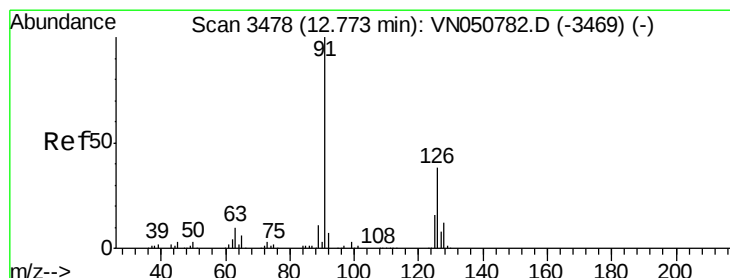
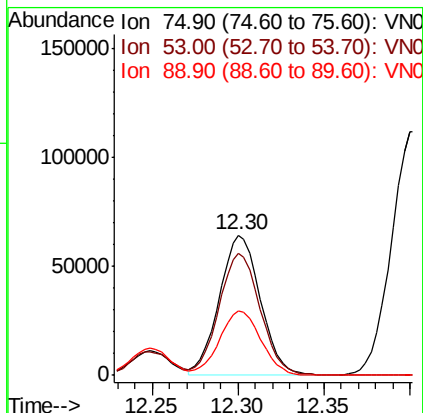
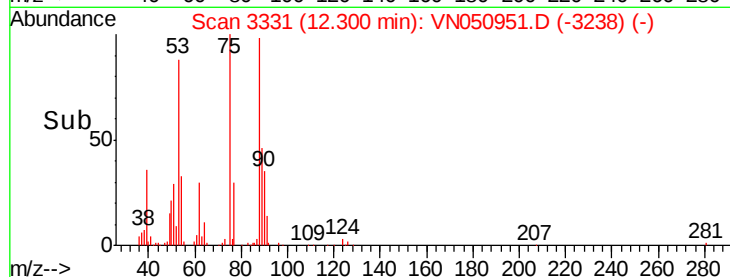
89 46.5 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.20 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050951.D

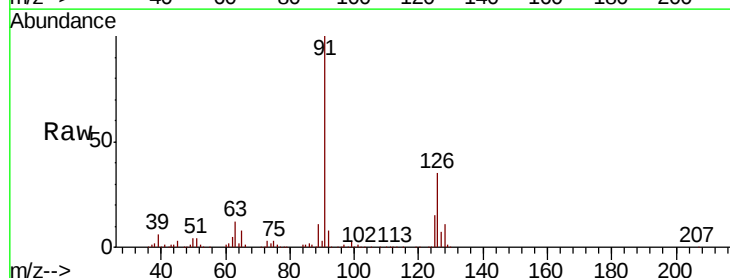
Acq: 30 Aug 2018 10:22

Tgt Ion: 91 Resp: 1191414

Ion Ratio Lower Upper

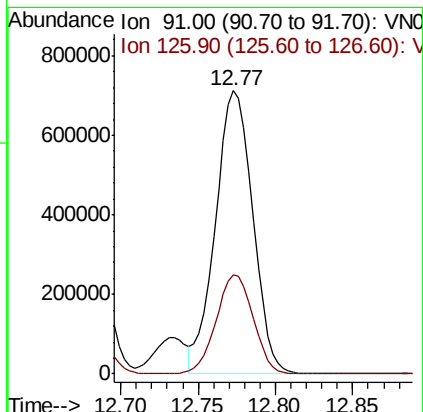
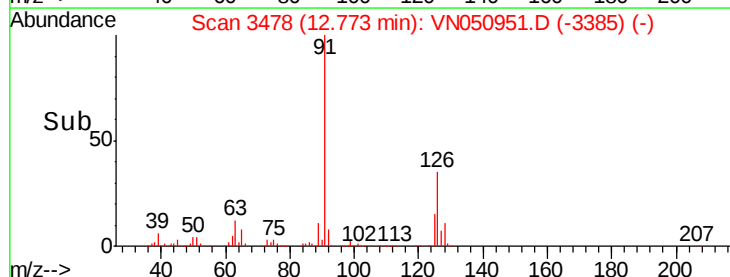
91 100

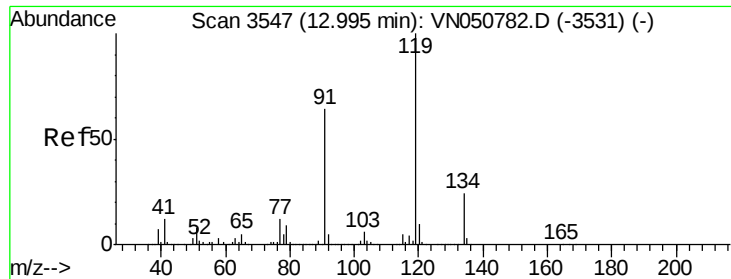
126 34.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

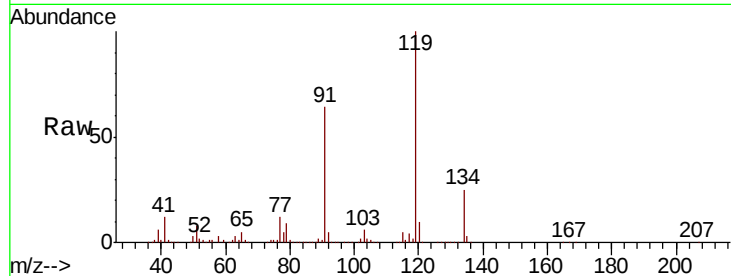




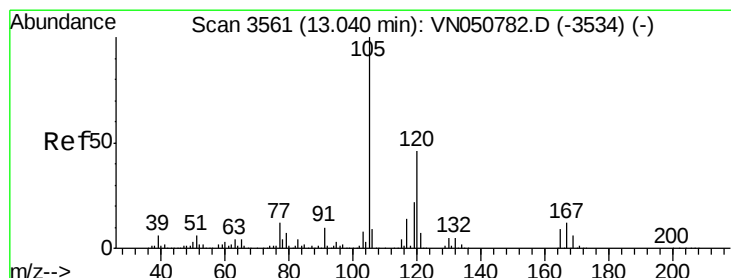
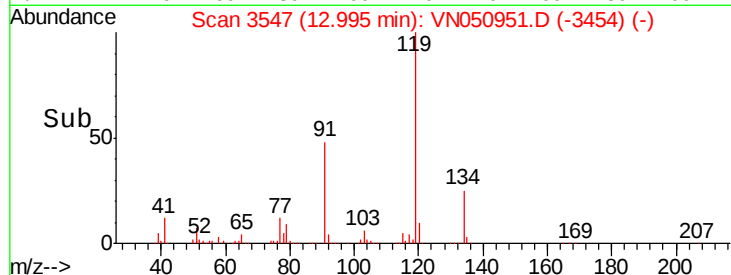
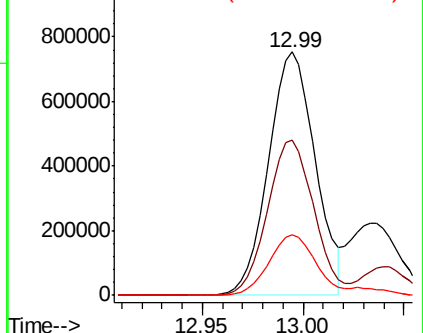
#83
 tert-Butylbenzene
 Concen: 51.08 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1209080
 Ion Ratio Lower Upper
 119 100
 91 63.2 31.6 94.7
 134 25.1 13.4 40.1

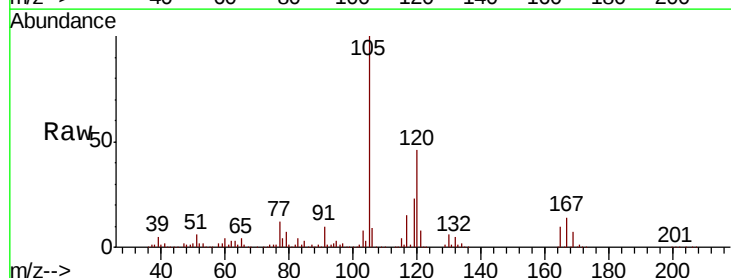


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

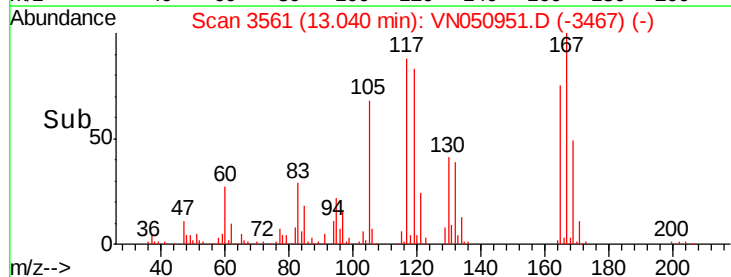
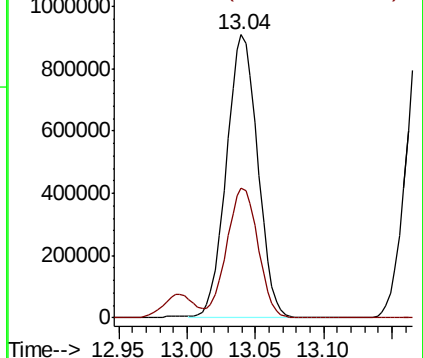


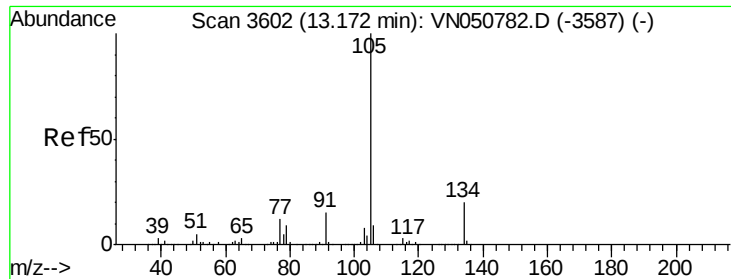
#84
 1,2,4-Trimethylbenzene
 Concen: 52.55 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion:105 Resp: 1444659
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 52.70 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

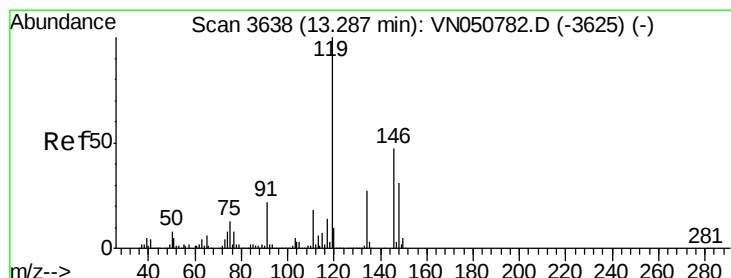
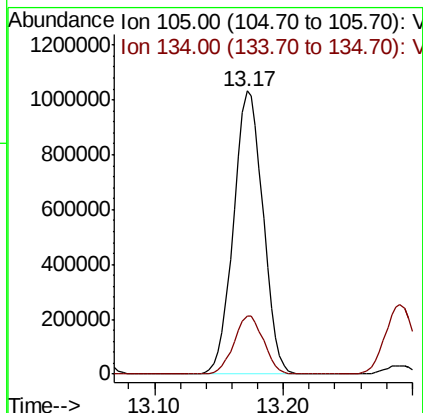
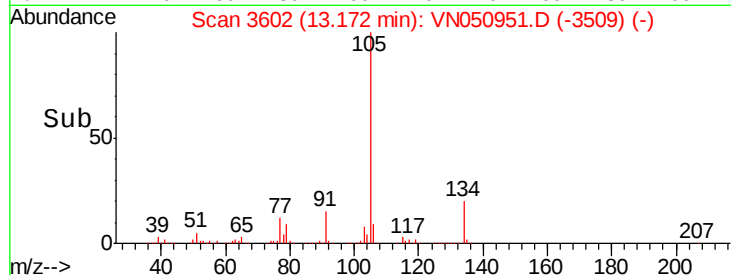
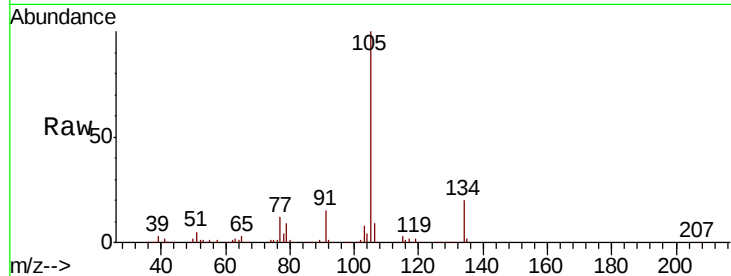
VSTDCCC050

Tot Ion:105 Resp: 1634493

Ion Ratio Lower Upper

105 100

134 20.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 54.87 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

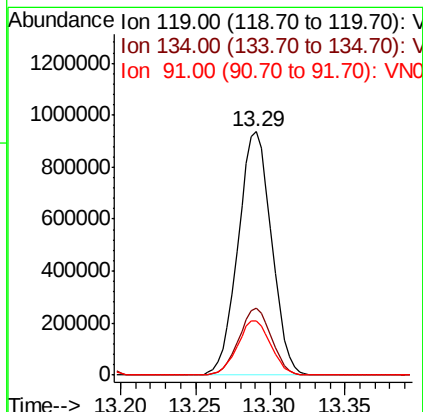
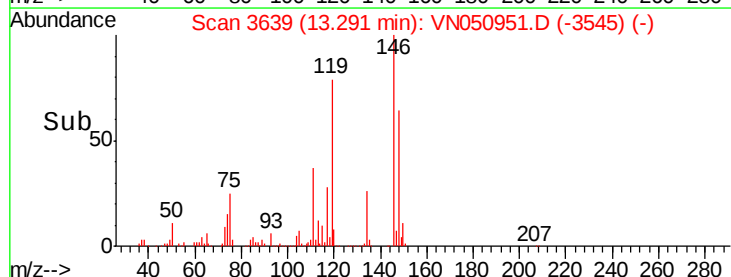
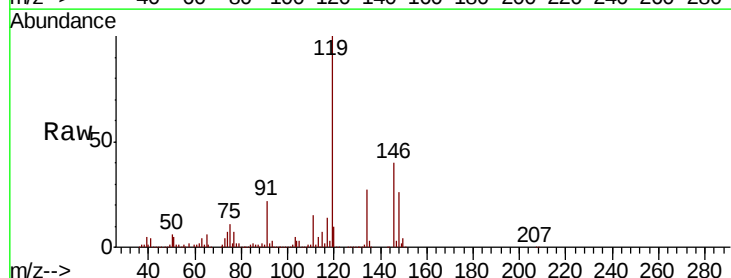
Tgt Ion:119 Resp: 1450119

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

91 22.3 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 49.94 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

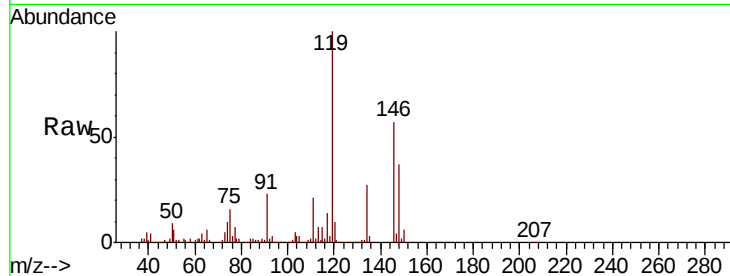
Tot Ion:146 Resp: 780163

Ion Ratio Lower Upper

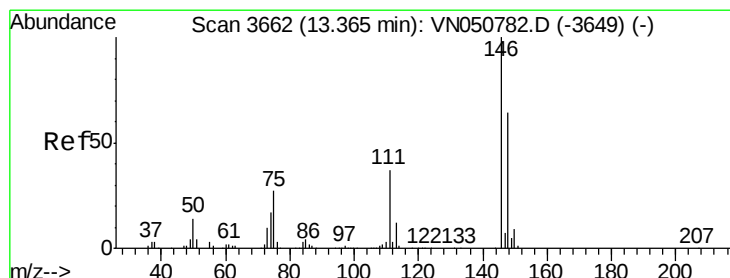
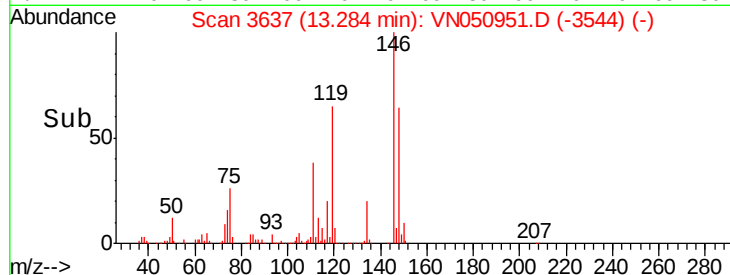
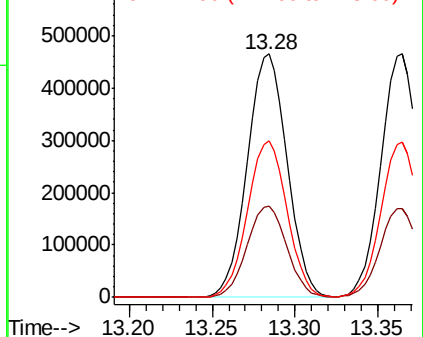
146 100

111 37.5 19.1 57.3

148 63.8 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 49.05 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

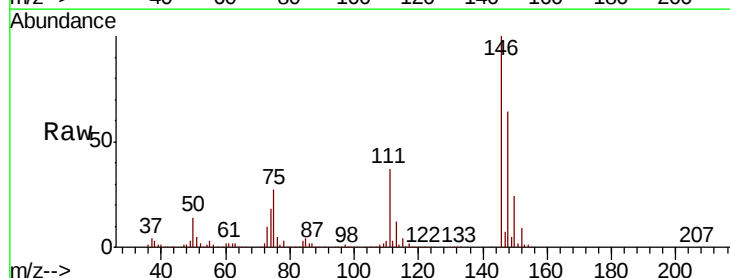
Tgt Ion:146 Resp: 754138

Ion Ratio Lower Upper

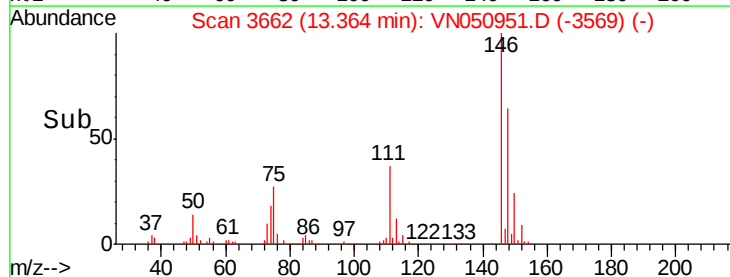
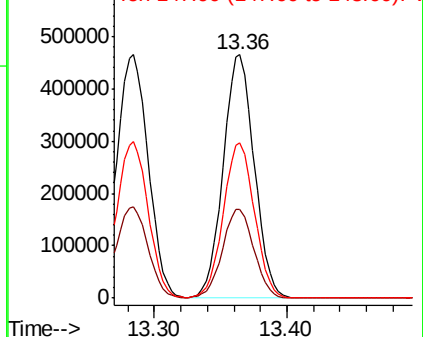
146 100

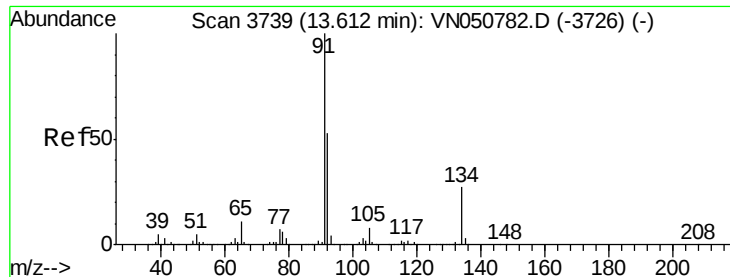
111 37.1 18.8 56.3

148 64.1 32.2 96.6



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

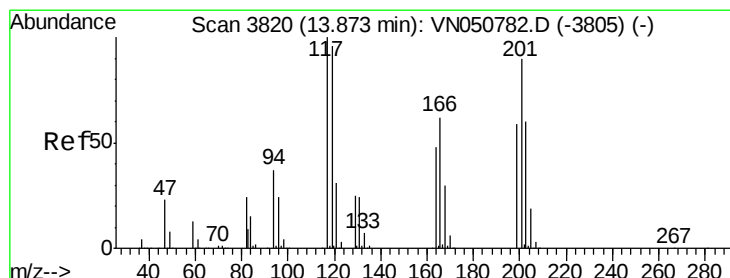
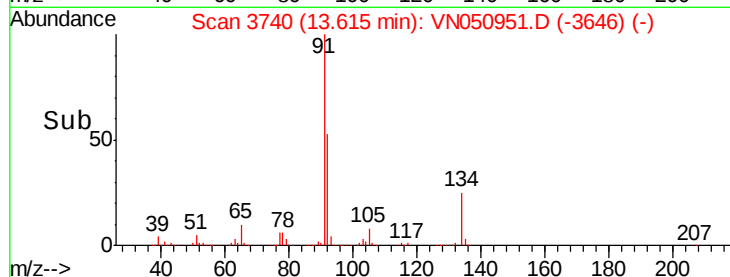
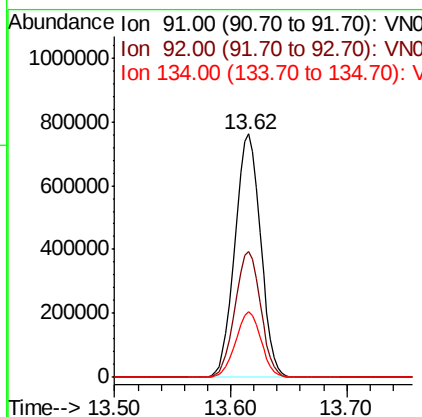
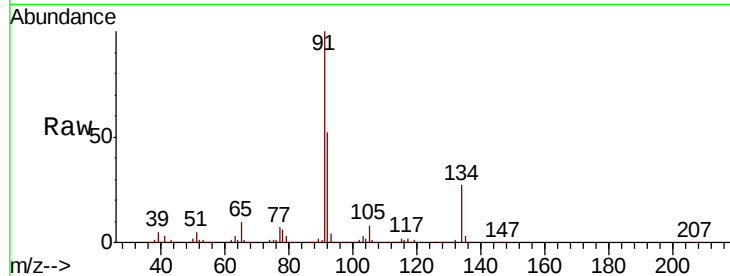




#89
n-Butylbenzene
Concen: 54.90 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

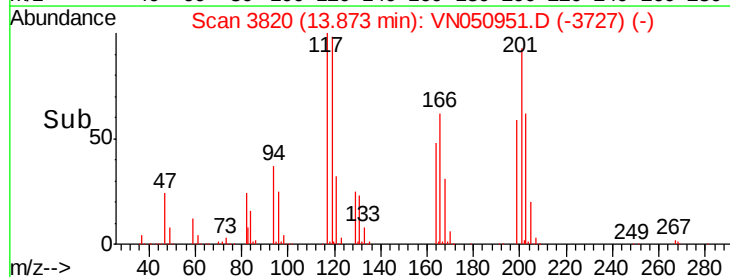
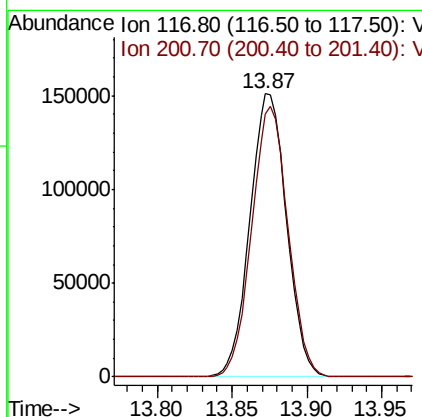
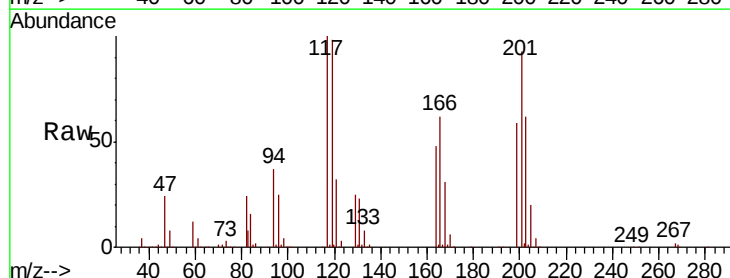
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

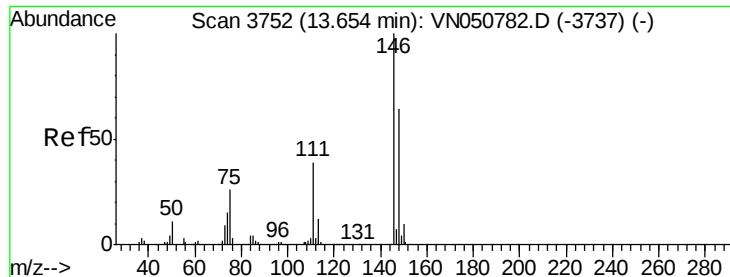
Tot Ion: 91 Resp: 1160479
Ion Ratio Lower Upper
91 100
92 51.6 26.1 78.2
134 26.6 13.2 39.6



#90
Hexachloroethane
Concen: 51.13 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050951.D
Acq: 30 Aug 2018 10:22

Tgt Ion: 117 Resp: 257549
Ion Ratio Lower Upper
117 100
201 94.7 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 49.83 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

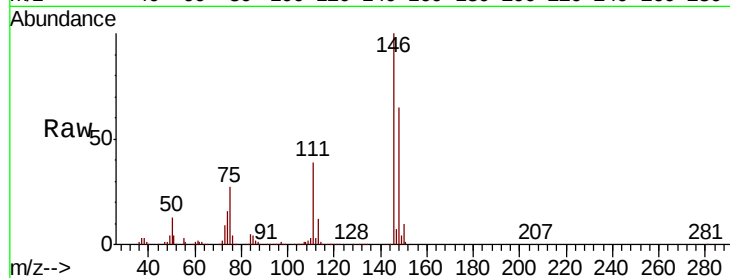
Tot Ion:146 Resp: 751062

Ion Ratio Lower Upper

146 100

111 39.2 19.8 59.3

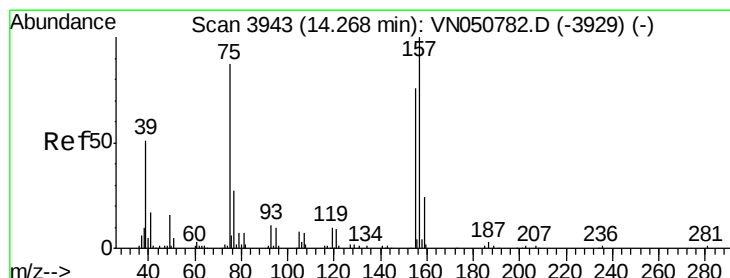
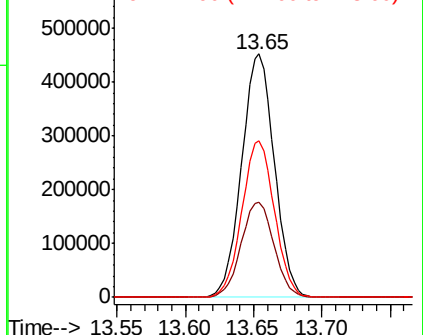
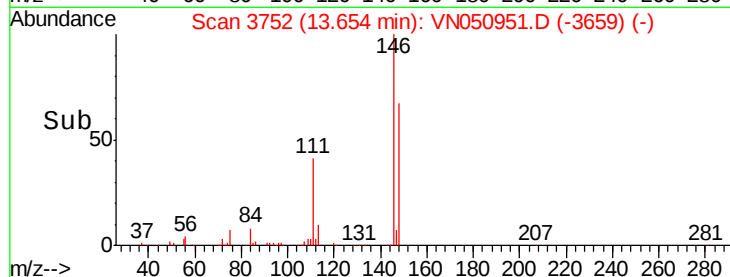
148 64.2 32.3 96.8



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: 49.46 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

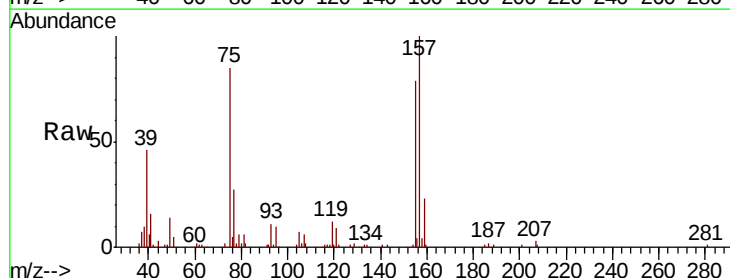
Tgt Ion: 75 Resp: 60164

Ion Ratio Lower Upper

75 100

155 94.2 46.4 139.1

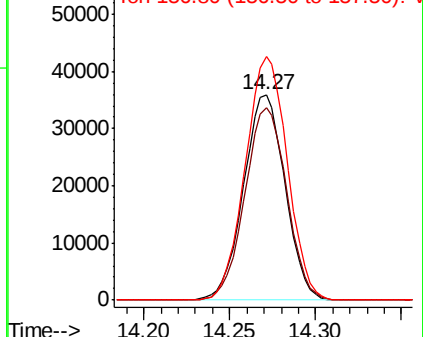
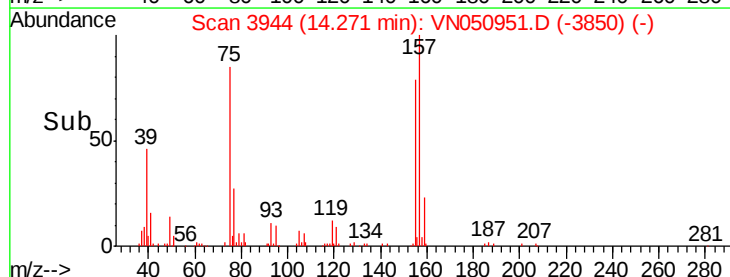
157 119.9 60.7 182.0

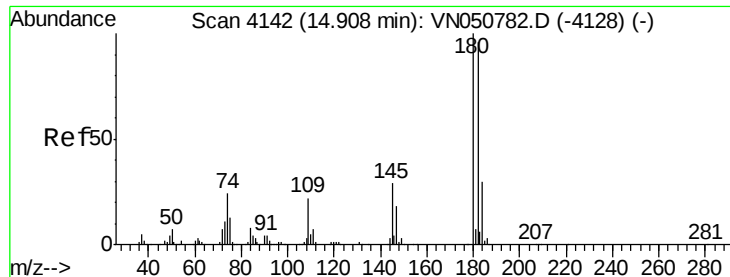


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

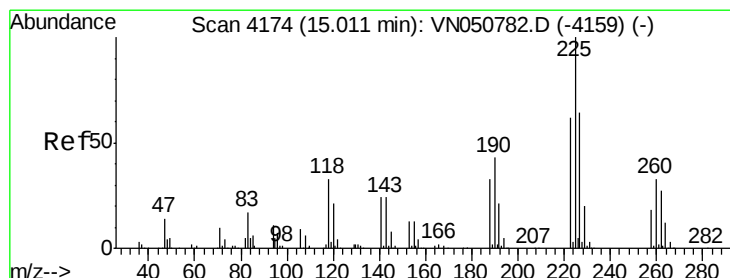
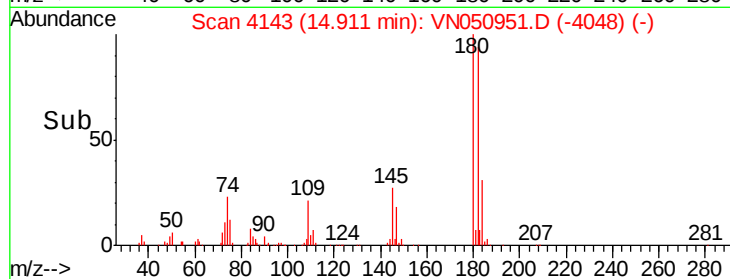
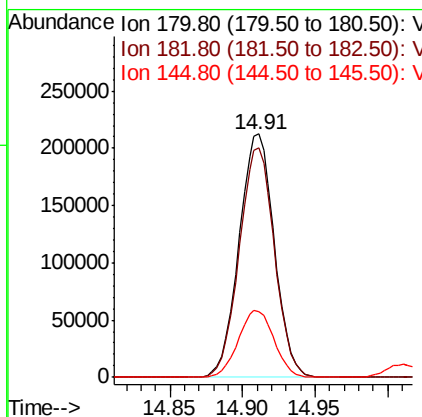
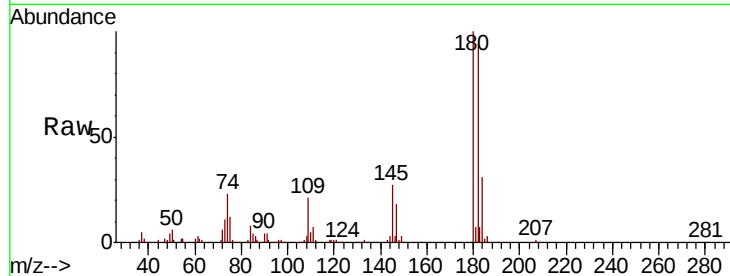




#93
 1,2,4-Trichlorobenzene
 Concen: 46.00 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

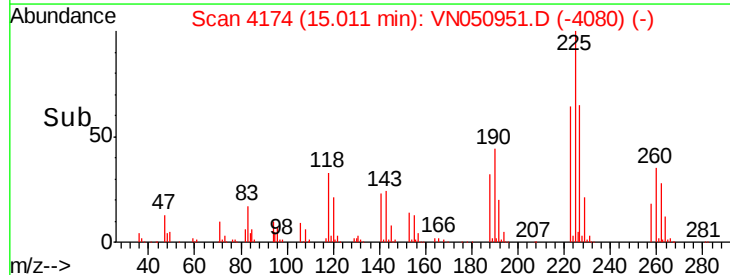
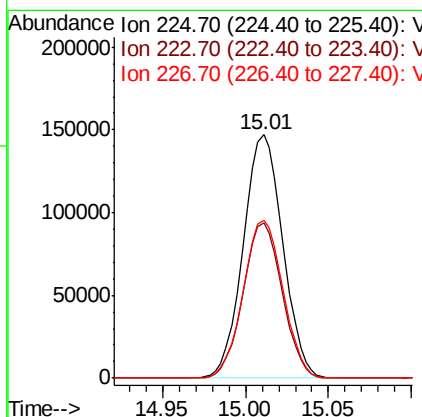
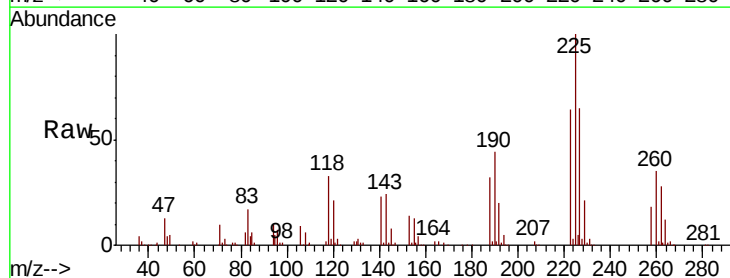
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 357842
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.2 144.6
 145 28.0 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 54.64 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050951.D
 Acq: 30 Aug 2018 10:22

Tgt Ion:225 Resp: 243649
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.3 93.8
 227 65.3 32.0 96.2





#95

Naphthalene

Concen: 42.26 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

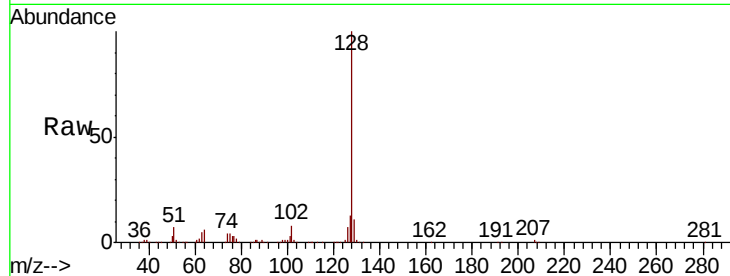
Tot Ion:128 Resp: 675351

Ion Ratio Lower Upper

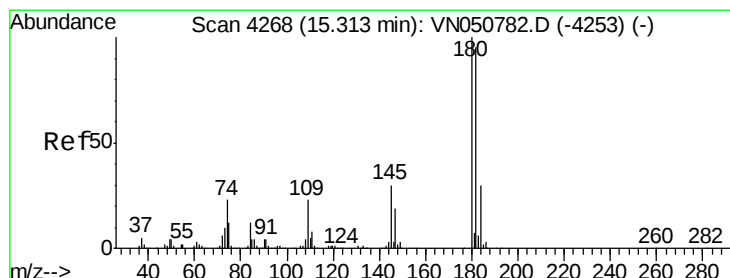
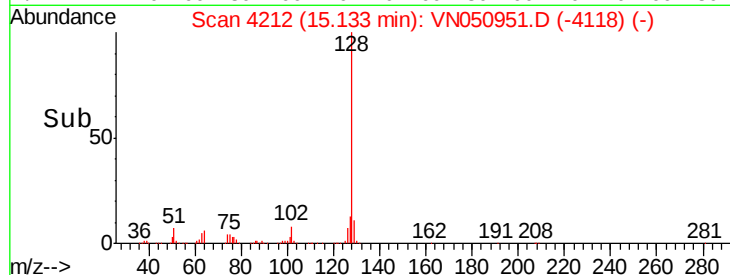
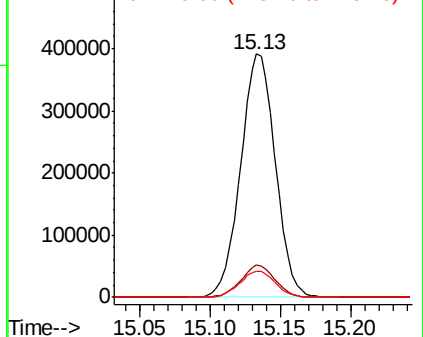
128 100

127 13.1 10.5 15.7

129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.92 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050951.D

Acq: 30 Aug 2018 10:22

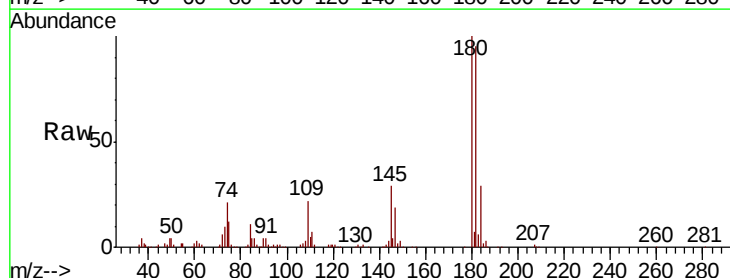
Tgt Ion:180 Resp: 351145

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

145 28.9 15.2 45.6



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

