

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051003.D
 Acq On : 4 Sep 2018 8:15
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 05 01:05:18 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	7.66	168	626342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	849924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	793590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	415144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	345301	45.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.58%	
35) Dibromofluoromethane	7.59	113	337622	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1270121	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	435545	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	379954	45.33	ug/l	99
3) Chloromethane	2.06	50	423396	40.95	ug/l	100
4) Vinyl Chloride	2.18	62	432535	44.17	ug/l	100
5) Bromomethane	2.56	94	235776	42.19	ug/l	99
6) Chloroethane	2.70	64	253206	44.75	ug/l	98
7) Trichlorofluoromethane	3.01	101	582483	46.45	ug/l	99
8) Diethyl Ether	3.41	74	197353	46.28	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	372763	47.58	ug/l	99
10) Methyl Iodide	3.95	142	267509	40.31	ug/l	100
11) Tert butyl alcohol	4.78	59	97255	202.55	ug/l	99
12) 1,1-Dichloroethene	3.73	96	323754	46.02	ug/l	98
13) Acrolein	3.61	56	47827	176.27	ug/l	99
14) Allyl chloride	4.32	41	512584	46.76	ug/l	99
15) Acrylonitrile	4.99	53	552634	226.47	ug/l	99
16) Acetone	3.82	43	454982	254.95	ug/l	99
17) Carbon Disulfide	4.05	76	951098	40.33	ug/l	100
18) Methyl Acetate	4.32	43	361098	50.72	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	850229	48.05	ug/l	100
20) Methylene Chloride	4.55	84	370584	43.61	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	348057	45.74	ug/l	98
22) Diisopropyl ether	5.95	45	1086382	49.73	ug/l	98
23) Vinyl Acetate	5.90	43	3159604	224.59	ug/l	99
24) 1,1-Dichloroethane	5.85	63	649689	46.32	ug/l	99
25) 2-Butanone	6.83	43	625398	205.81	ug/l	99
26) 2,2-Dichloropropane	6.82	77	537281	47.68	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	391905	47.78	ug/l	100
28) Bromochloromethane	7.19	49	281907	47.30	ug/l	99
29) Tetrahydrofuran	7.21	42	389677	223.67	ug/l	100
30) Chloroform	7.37	83	650342	46.83	ug/l	100
31) Cyclohexane	7.65	56	579570	45.51	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	561013	47.03	ug/l	99
36) 1,1-Dichloropropene	7.79	75	499444	49.80	ug/l	99
37) Ethyl Acetate	6.93	43	254296	44.14	ug/l	99
38) Carbon Tetrachloride	7.77	117	502438	49.56	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	563559	51.94	ug/l	98
40) Benzene	8.04	78	1495800	49.46	ug/l	100
41) Methacrylonitrile	7.17	41	155785	49.96	ug/l	96
42) 1,2-Dichloroethane	8.12	62	439354	48.59	ug/l	99
43) Isopropyl Acetate	8.16	43	463331	46.77	ug/l #	86
44) Trichloroethene	8.83	130	399102	50.04	ug/l	97
45) 1,2-Dichloropropane	9.12	63	395768	49.79	ug/l	99
46) Dibromomethane	9.21	93	226202	48.43	ug/l	98
47) Bromodichloromethane	9.40	83	497281	50.84	ug/l	99
48) Methyl methacrylate	9.20	41	239322	47.41	ug/l	98
49) 1,4-Dioxane	9.20	88	63839	927.62	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1318920	223.12	ug/l	99
52) Toluene	10.15	92	932807	52.07	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	484728	49.78	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	576570	51.71	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	323499	48.65	ug/l	99
56) Ethyl methacrylate	10.43	69	378564	44.06	ug/l	98
57) 1,3-Dichloropropane	10.71	76	545234	49.68	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	811235	216.63	ug/l	99
59) 2-Hexanone	10.75	43	884046	224.65	ug/l	99
60) Dibromochloromethane	10.90	129	381171	51.20	ug/l	99
61) 1,2-Dibromoethane	11.00	107	313581	48.77	ug/l	99
64) Tetrachloroethene	10.63	164	372533	49.42	ug/l	100
65) Chlorobenzene	11.43	112	1034513	49.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	384684	50.69	ug/l	100
67) Ethyl Benzene	11.51	91	1757252	52.11	ug/l	100
68) m/p-Xylenes	11.62	106	1377503	107.62	ug/l	100
69) o-Xylene	11.95	106	658709	53.53	ug/l	98
70) Styrene	11.96	104	1059837	48.90	ug/l	100
71) Bromoform	12.13	173	261458	50.10	ug/l #	99
73) Isopropylbenzene	12.25	105	1759285	51.18	ug/l	100
74) N-amyl acetate	12.07	43	380026	44.00	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	395801	48.24	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	469638	64.59	ug/l #	100
77) Bromobenzene	12.53	156	448911	48.05	ug/l	96
78) n-propylbenzene	12.59	91	2015362	52.48	ug/l	99
79) 2-Chlorotoluene	12.67	91	1190157	49.76	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1459776	52.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	96626	44.92	ug/l	98
82) 4-Chlorotoluene	12.77	91	1197243	50.70	ug/l	100
83) tert-Butylbenzene	12.99	119	1265532	52.68	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1481856	53.11	ug/l	99
85) sec-Butylbenzene	13.17	105	1686434	53.58	ug/l	100
86) p-Isopropyltoluene	13.29	119	1503163	56.04	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	792902	50.01	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	761789	48.82	ug/l	100
89) n-Butylbenzene	13.61	91	1197652	55.83	ug/l	100
90) Hexachloroethane	13.87	117	254944	49.88	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	756145	49.44	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53062	42.98	ug/l	99

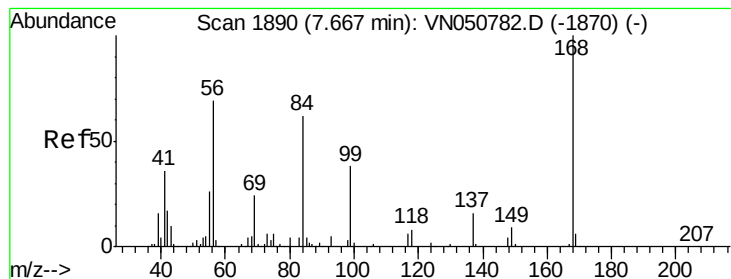
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	350631	44.55	ug/l	98
94) Hexachlorobutadiene	15.01	225	258052	57.07	ug/l	99
95) Naphthalene	15.13	128	616629	38.56	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	333124	45.01	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

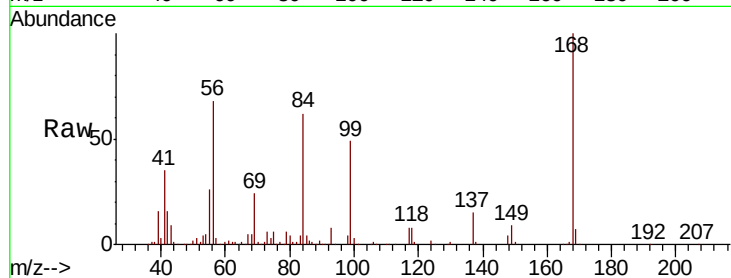
VSTDCCC050

Tot Ion:168 Resp: 626342

Ion Ratio Lower Upper

168 100

99 48.5 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

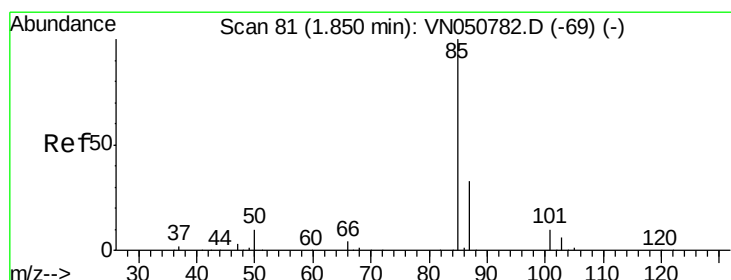
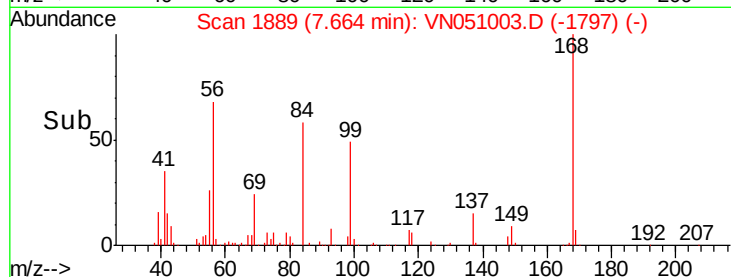
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.33 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051003.D

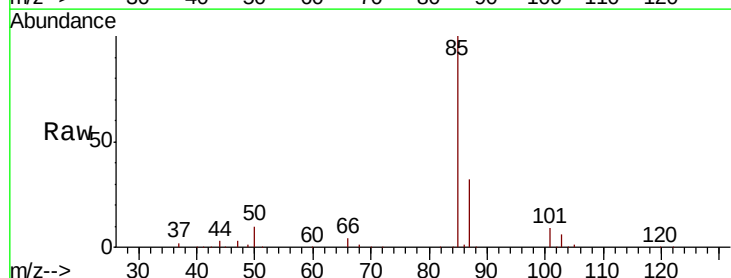
Acq: 4 Sep 2018 8:15

Tgt Ion: 85 Resp: 379954

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

300000

250000

200000

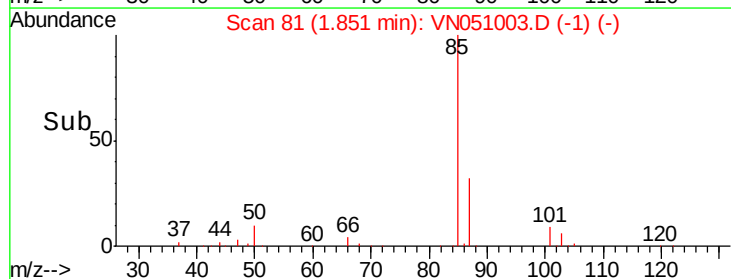
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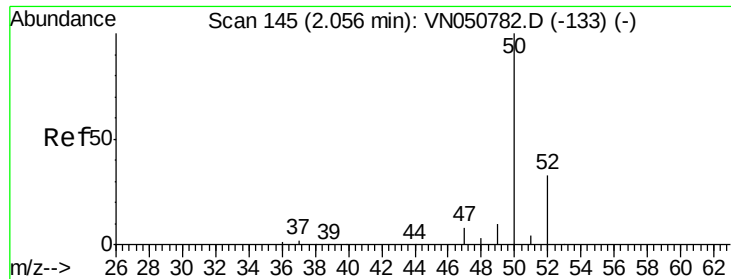
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.95 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

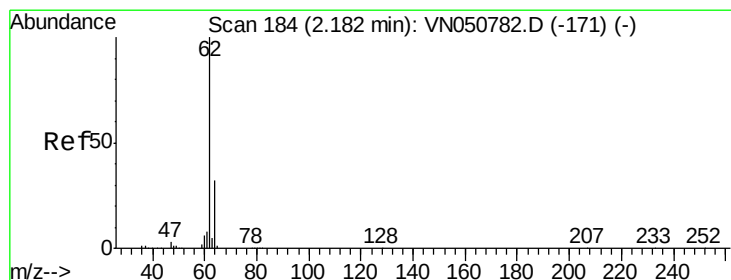
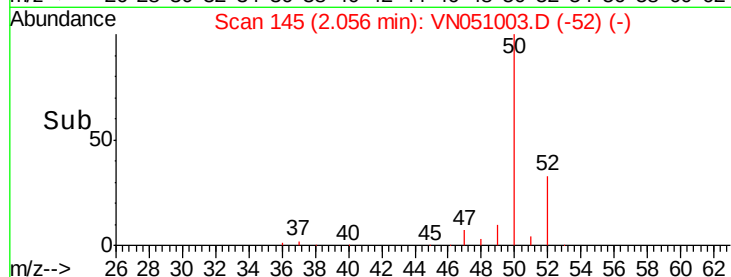
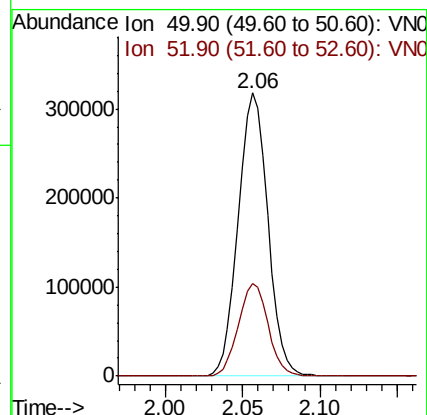
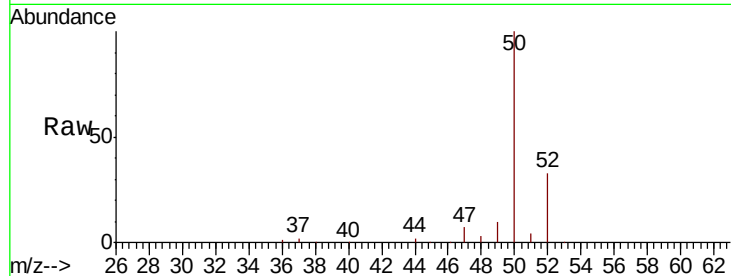
VSTDCCC050

Tot Ion: 50 Resp: 423396

Ion Ratio Lower Upper

50 100

52 32.8 26.3 39.5



#4

Vinyl Chloride

Concen: 44.17 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN051003.D

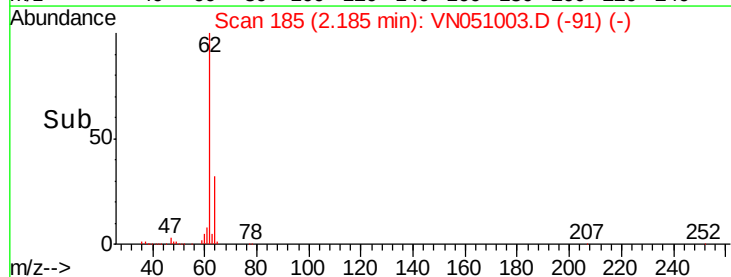
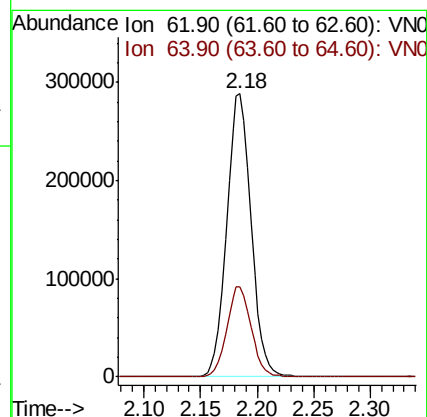
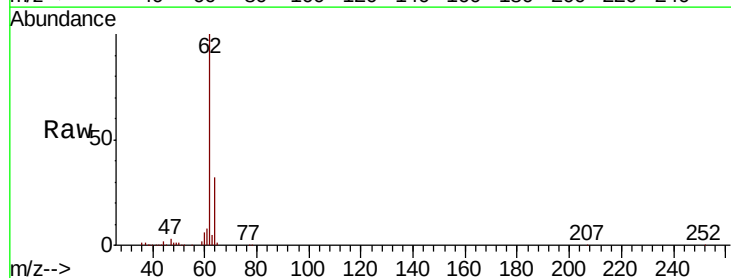
Acq: 4 Sep 2018 8:15

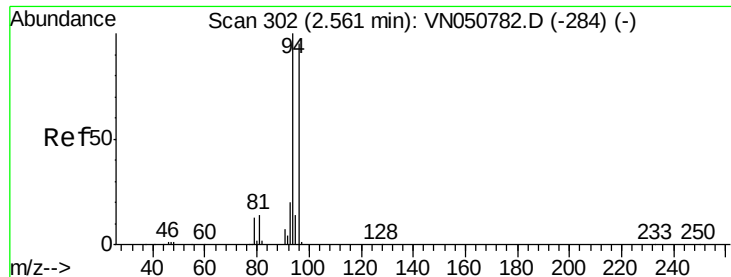
Tgt Ion: 62 Resp: 432535

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 42.19 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

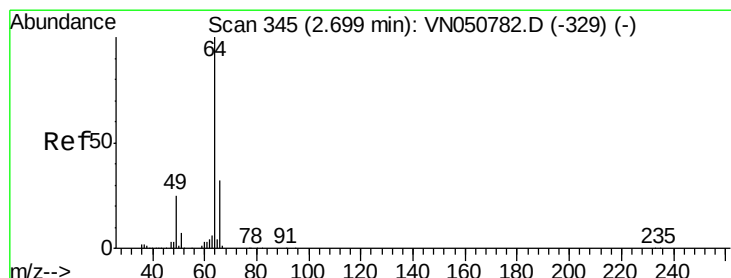
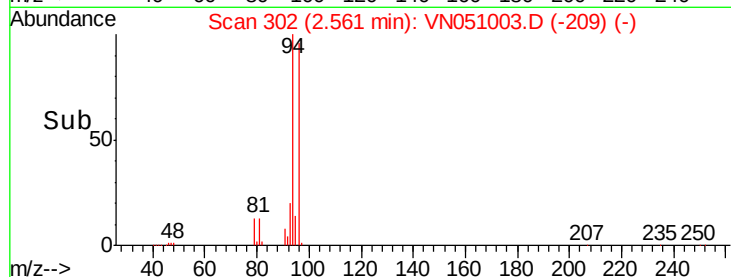
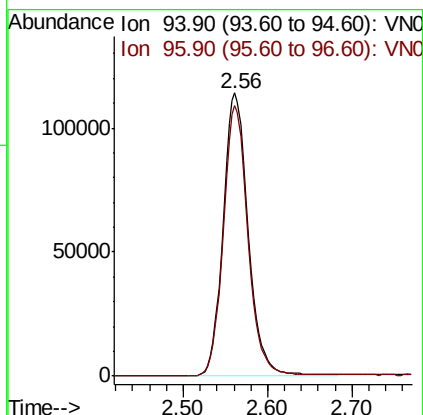
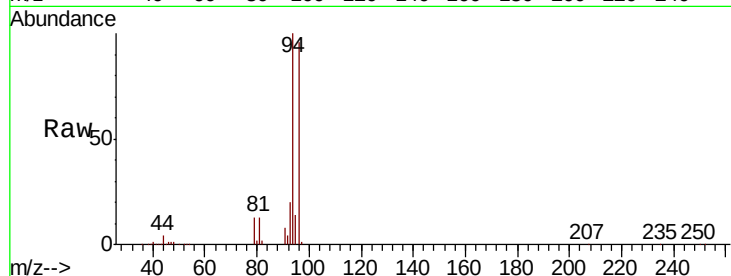
VSTDCCC050

Tot Ion: 94 Resp: 235776

Ion Ratio Lower Upper

94 100

96 95.8 76.2 114.2



#6

Chloroethane

Concen: 44.75 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN051003.D

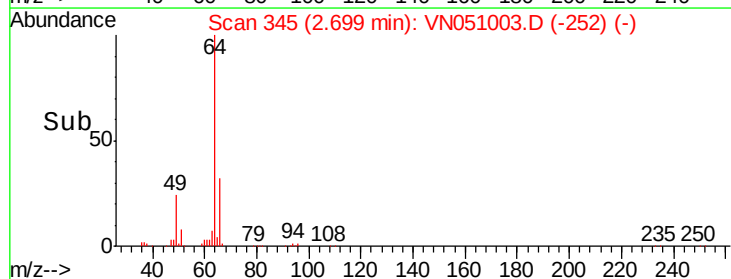
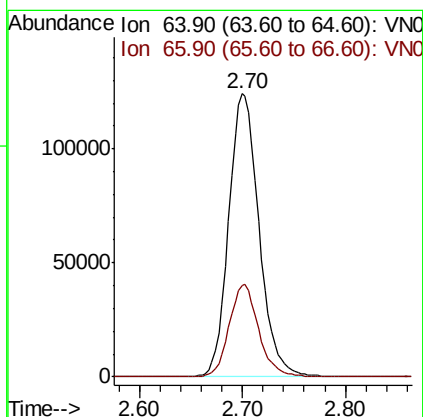
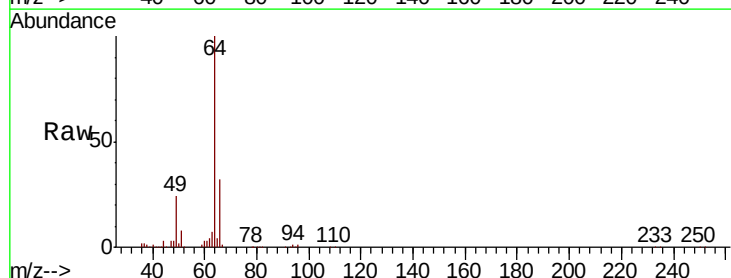
Acq: 4 Sep 2018 8:15

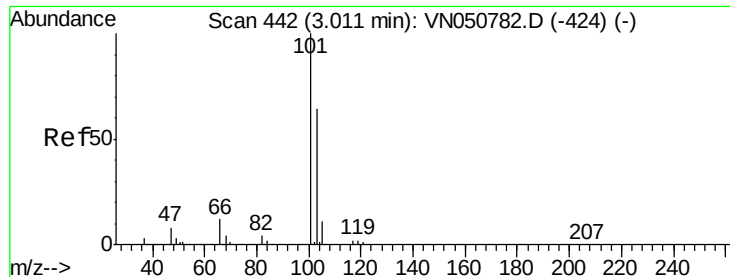
Tgt Ion: 64 Resp: 253206

Ion Ratio Lower Upper

64 100

66 32.4 25.3 37.9





#7

Trichlorofluoromethane

Concen: 46.45 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

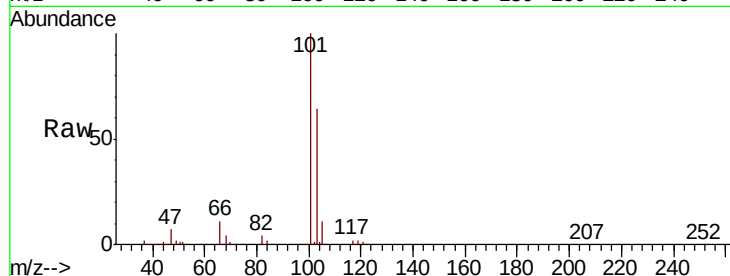
VSTDCCC050

Tot Ion:101 Resp: 582483

Ion Ratio Lower Upper

101 100

103 64.0 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.01

250000

200000

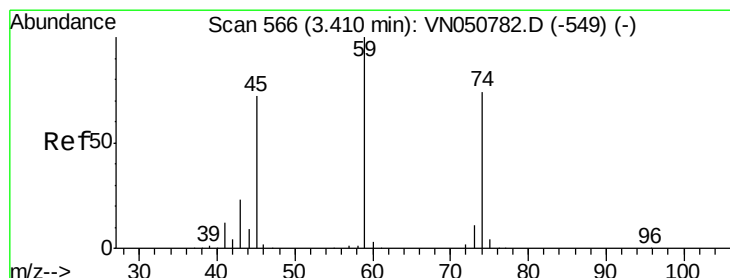
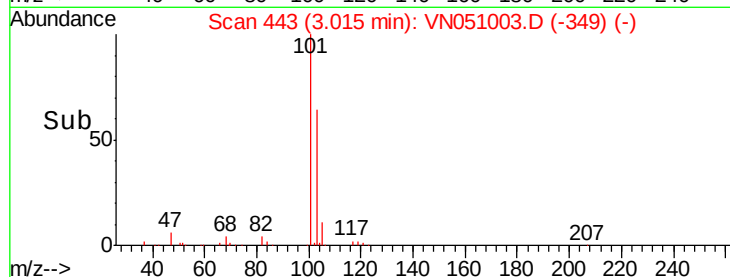
150000

100000

50000

0

Time--> 2.90 3.00 3.10



#8

Diethyl Ether

Concen: 46.28 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN051003.D

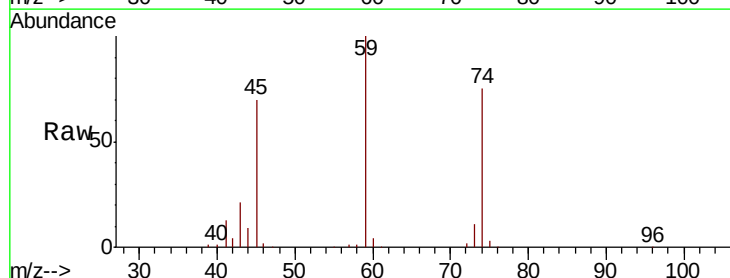
Acq: 4 Sep 2018 8:15

Tgt Ion: 74 Resp: 197353

Ion Ratio Lower Upper

74 100

45 93.7 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

100000

80000

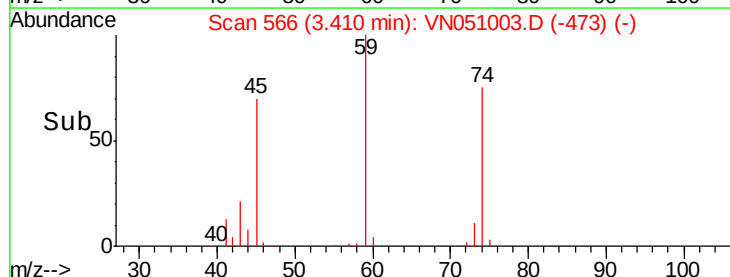
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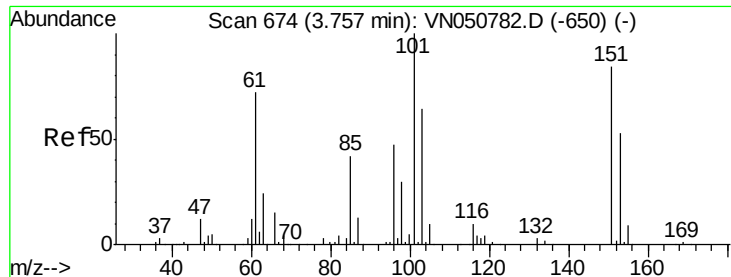
40000

20000

0

Time--> 3.30 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.58 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

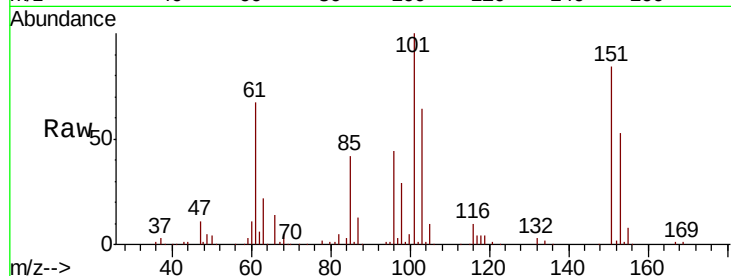
Tot Ion:101 Resp: 372763

Ion Ratio Lower Upper

101 100

85 41.4 33.7 50.5

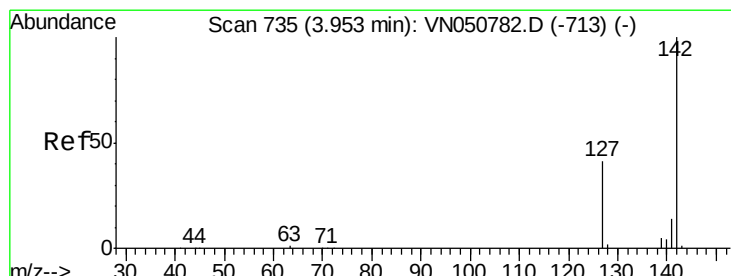
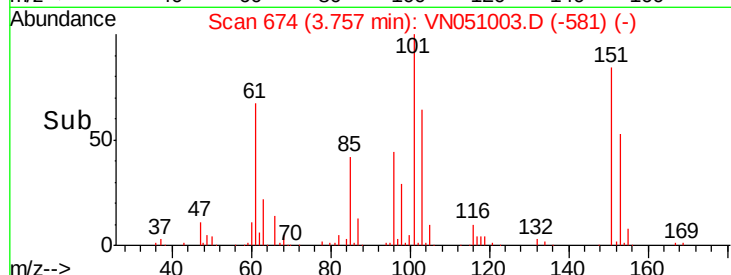
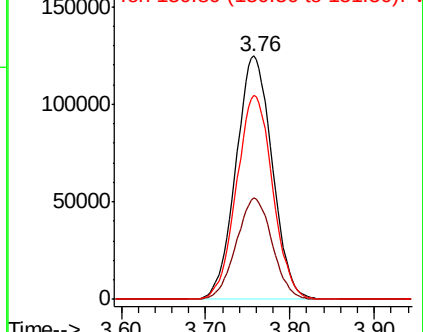
151 83.7 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.31 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

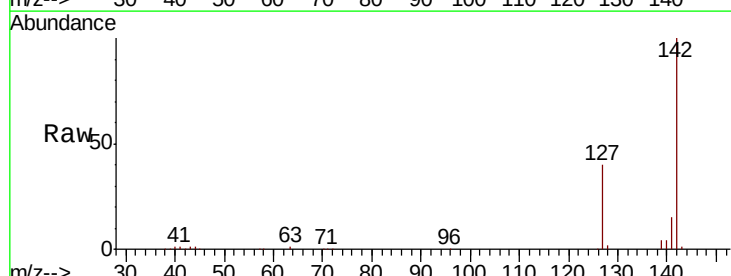
Tgt Ion:142 Resp: 267509

Ion Ratio Lower Upper

142 100

127 39.8 31.7 47.5

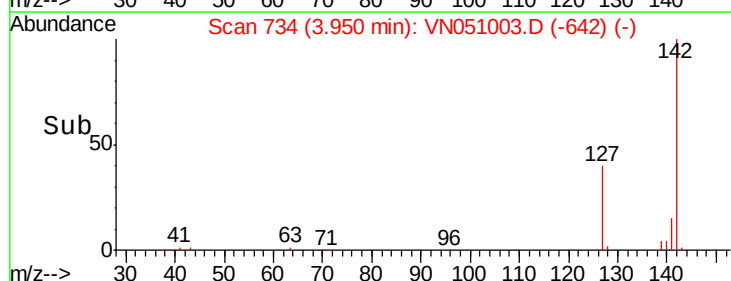
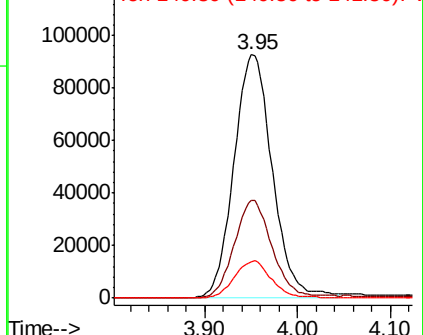
141 14.6 11.4 17.0

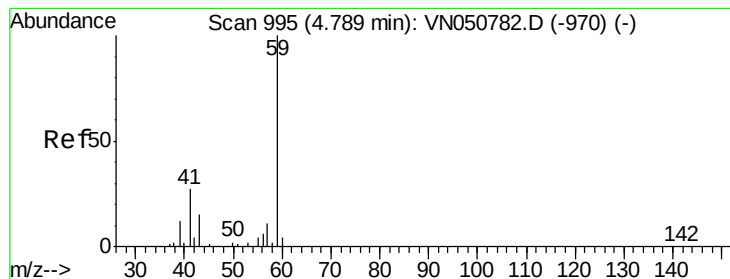


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



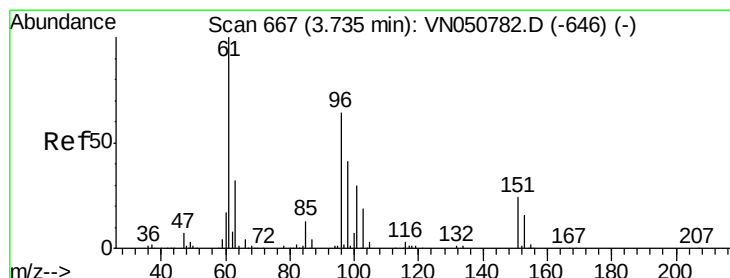
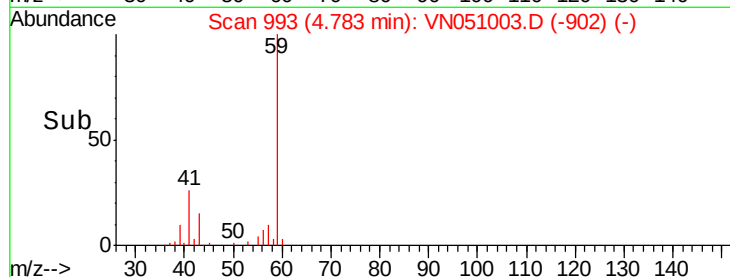
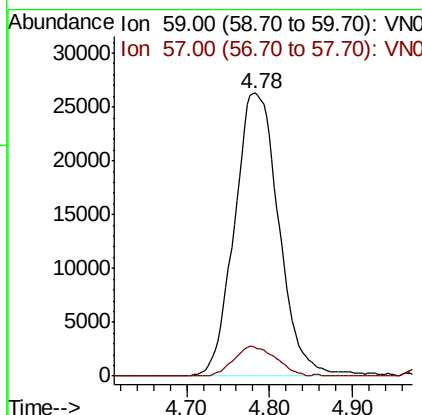
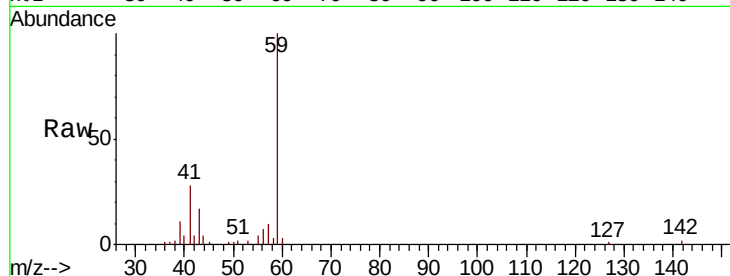


#11

Tert butyl alcohol
 Concen: 202.55 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

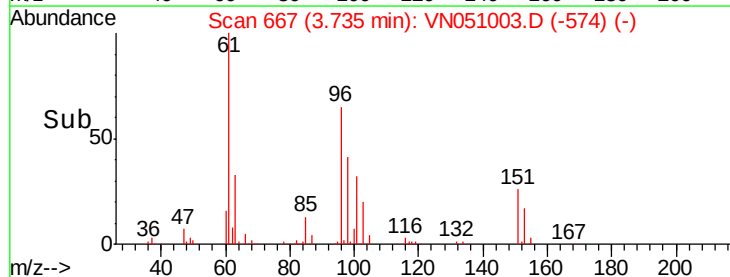
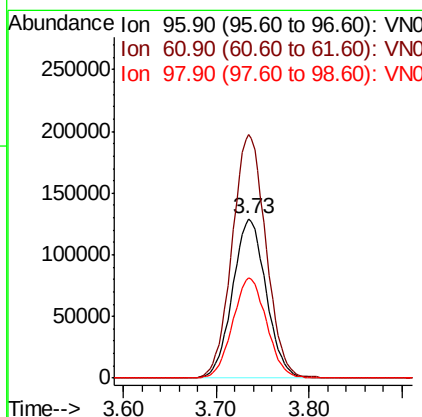
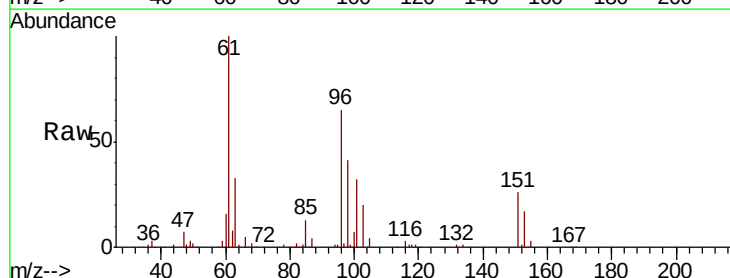
Tot Ion: 59 Resp: 97255
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.3 12.5

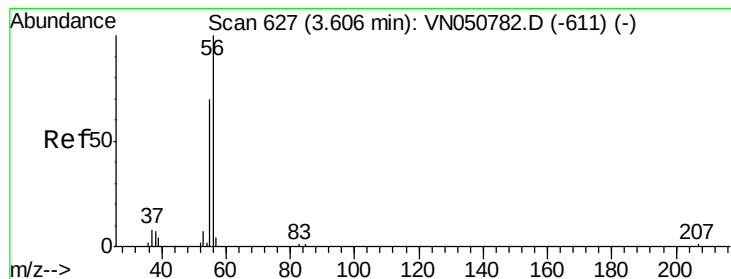


#12

1,1-Dichloroethene
 Concen: 46.02 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 96 Resp: 323754
 Ion Ratio Lower Upper
 96 100
 61 152.9 124.9 187.3
 98 63.2 51.1 76.7





#13

Acrolein

Concen: 176.27 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

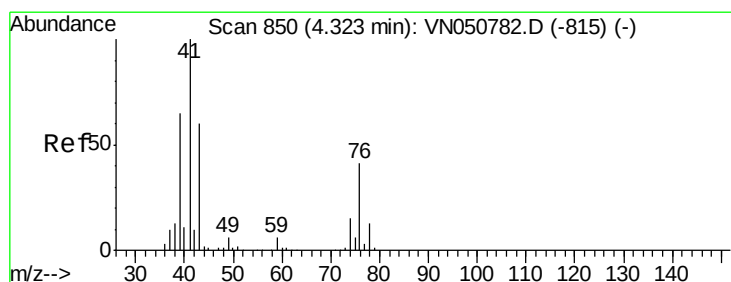
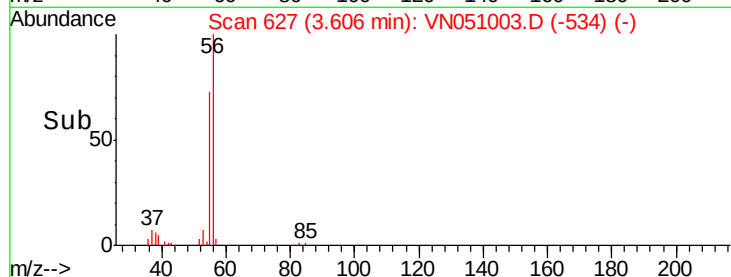
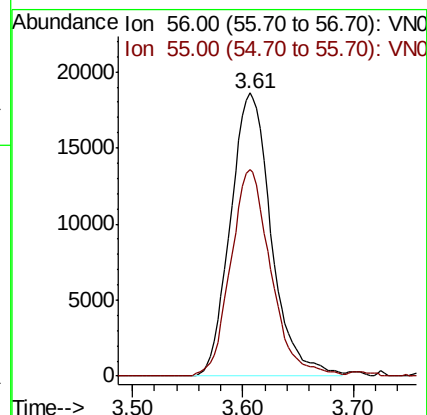
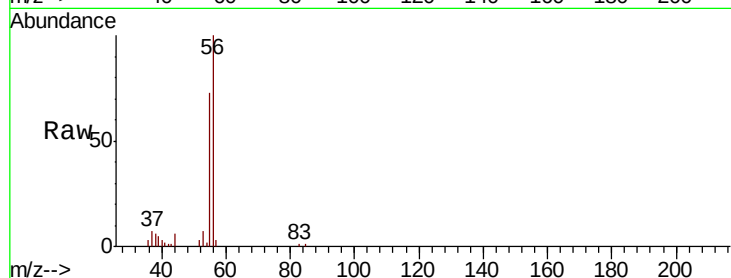
VSTDCCC050

Tot Ion: 56 Resp: 47827

Ion Ratio Lower Upper

56 100

55 71.6 57.7 86.5



#14

Allyl chloride

Concen: 46.76 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

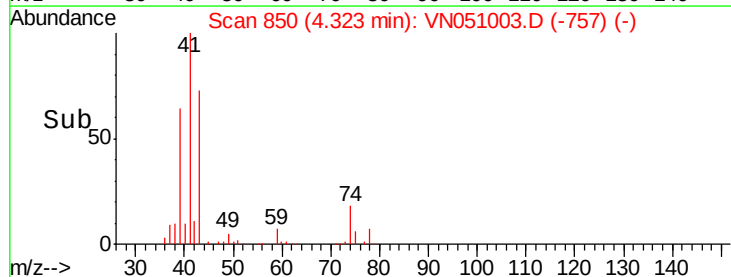
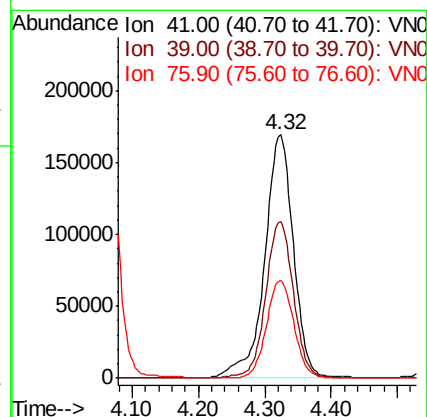
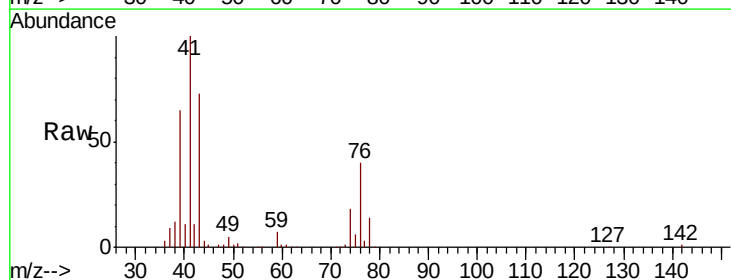
Tgt Ion: 41 Resp: 512584

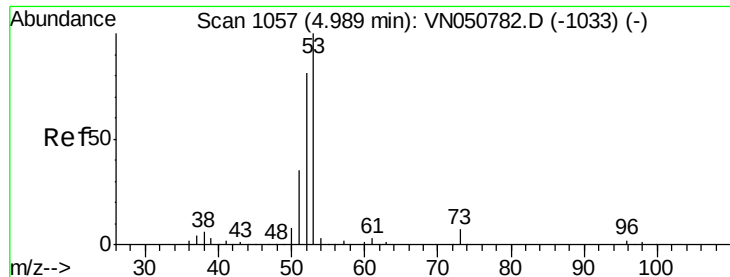
Ion Ratio Lower Upper

41 100

39 62.1 50.2 75.2

76 37.5 29.8 44.8





#15

Acrylonitrile

Concen: 226.47 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

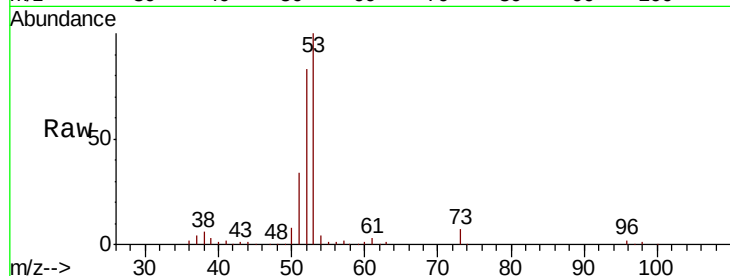
Tot Ion: 53 Resp: 552634

Ion Ratio Lower Upper

53 100

52 81.5 65.9 98.9

51 34.6 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

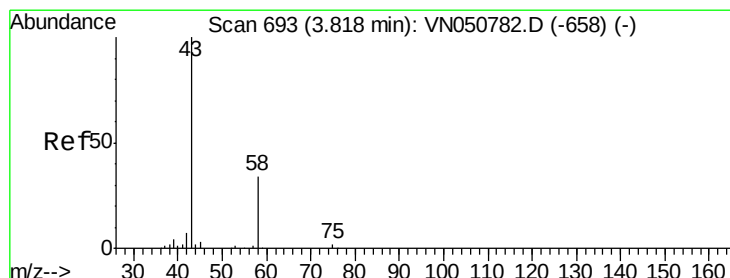
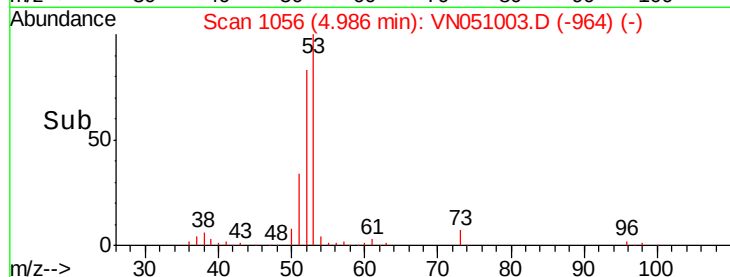
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 254.95 ug/l

RT: 3.82 min Scan# 692

Delta R.T. -0.00 min

Lab File: VN051003.D

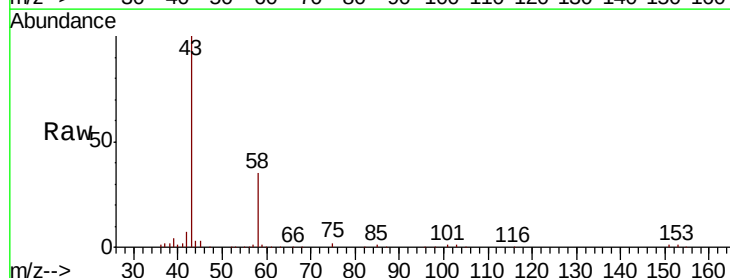
Acq: 4 Sep 2018 8:15

Tgt Ion: 43 Resp: 454982

Ion Ratio Lower Upper

43 100

58 34.6 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

200000

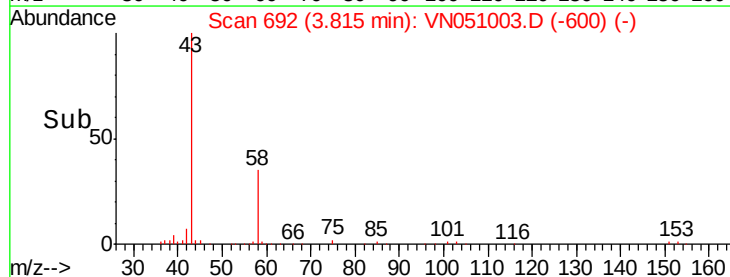
150000

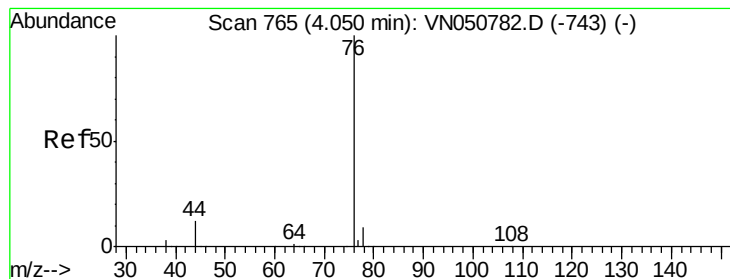
100000

50000

0

Time-->





#17

Carbon Disulfide

Concen: 40.33 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

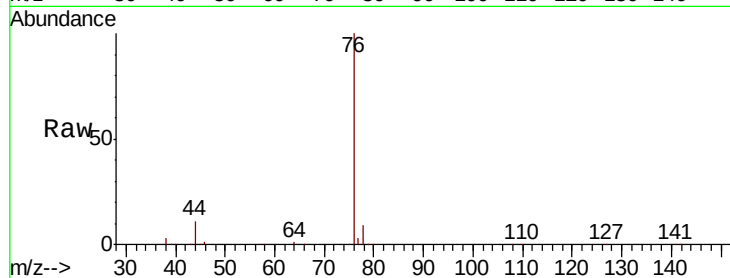
VSTDCCC050

Tot Ion: 76 Resp: 951098

Ion Ratio Lower Upper

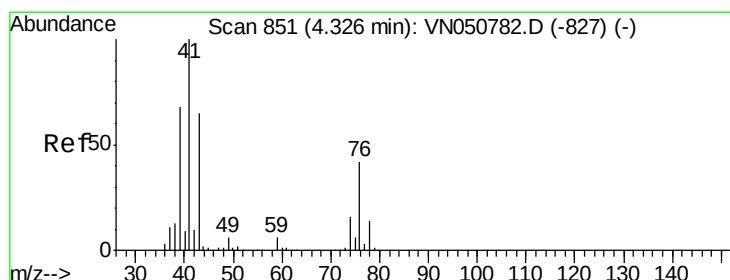
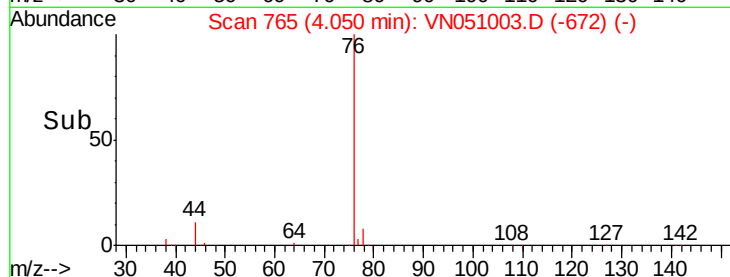
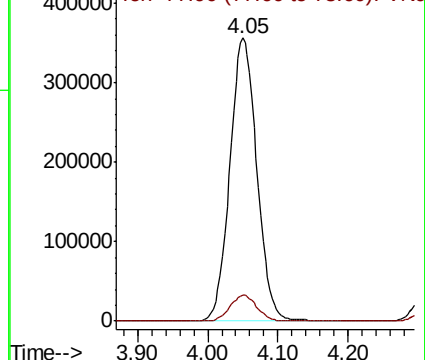
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 50.72 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN051003.D

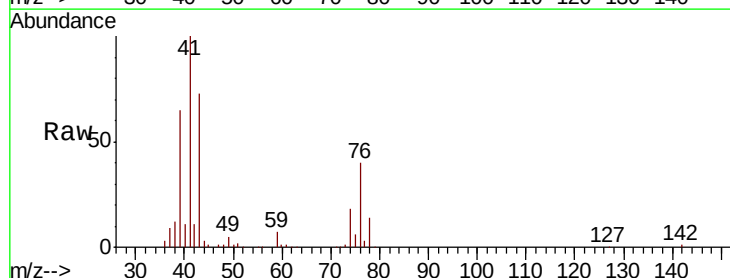
Acq: 4 Sep 2018 8:15

Tgt Ion: 43 Resp: 361098

Ion Ratio Lower Upper

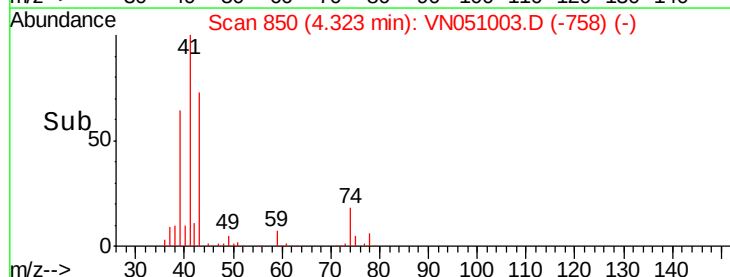
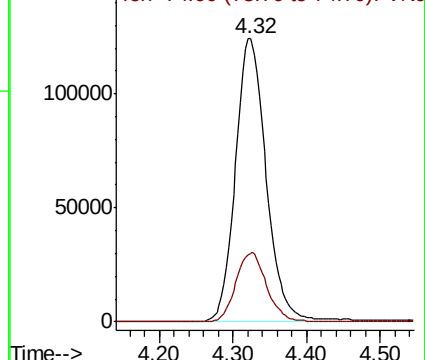
43 100

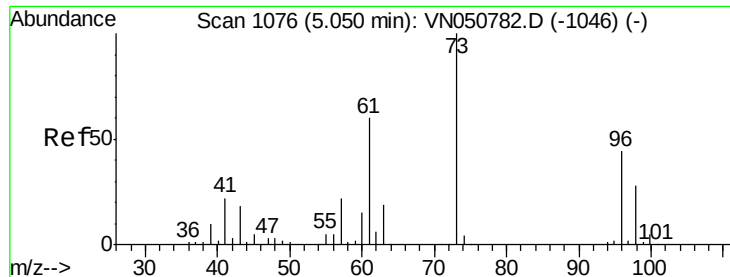
74 24.6 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

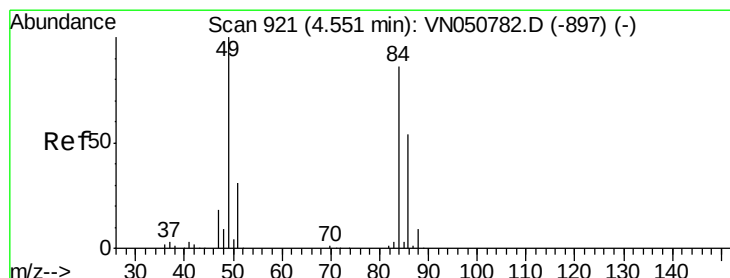
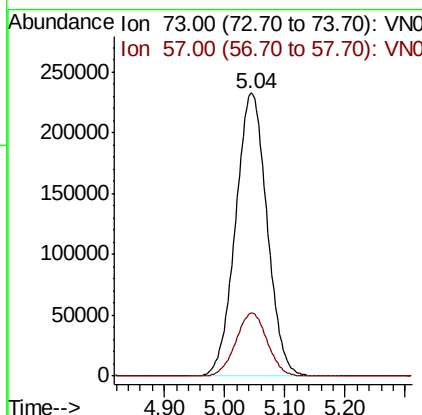
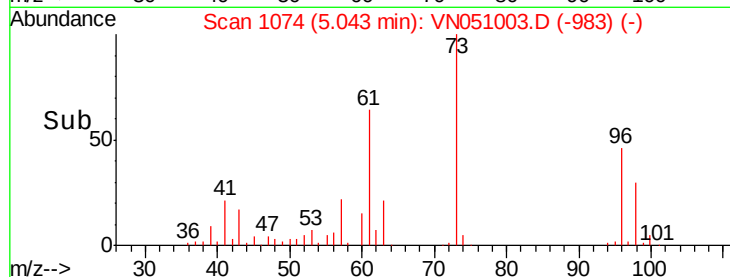
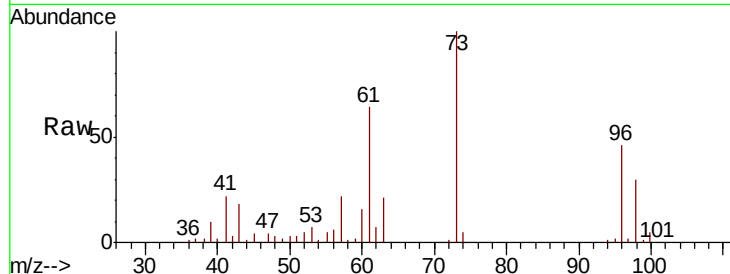




#19
Methvl tert-butvl Ether
Concen: 48.05 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

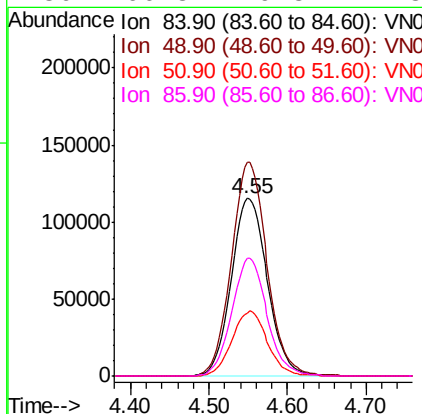
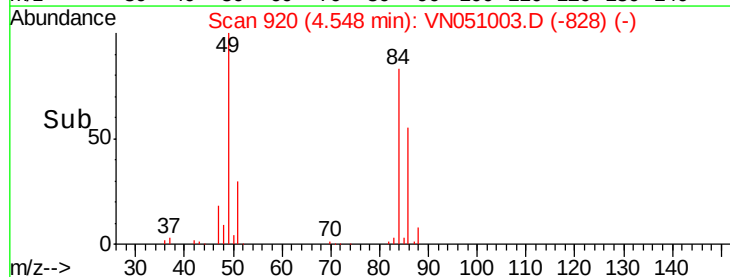
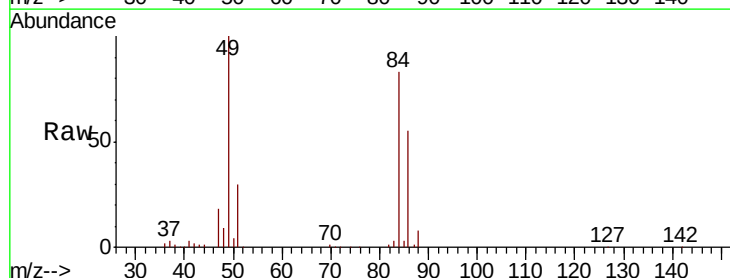
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

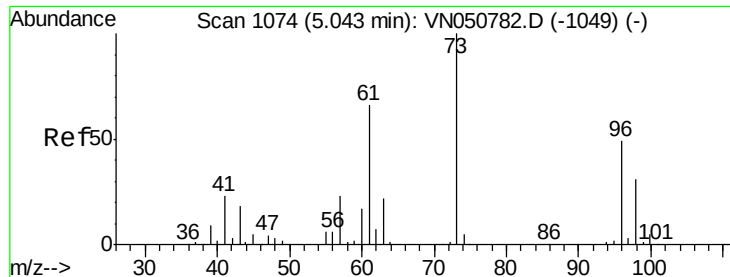
Tot Ion: 73 Resp: 850229
Ion Ratio Lower Upper
73 100
57 22.4 17.8 26.8



#20
Methylene Chloride
Concen: 43.61 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 84 Resp: 370584
Ion Ratio Lower Upper
84 100
49 120.3 93.2 139.8
51 35.5 29.0 43.6
86 66.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.74 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

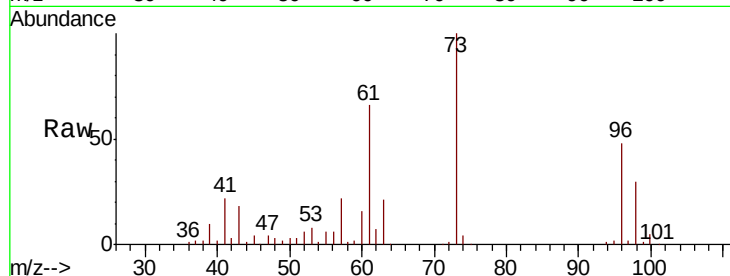
Tot Ion: 96 Resp: 348057

Ion Ratio Lower Upper

96 100

61 138.4 107.4 161.0

98 63.6 50.7 76.1

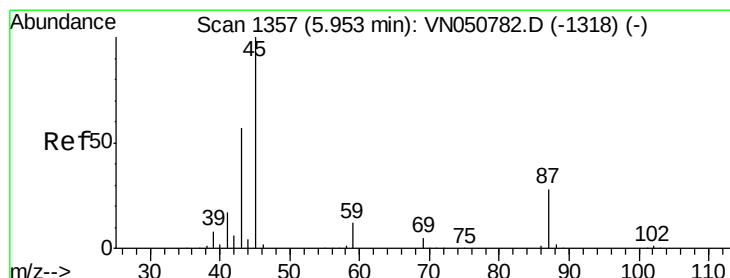
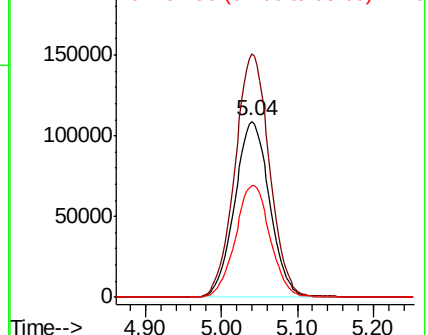
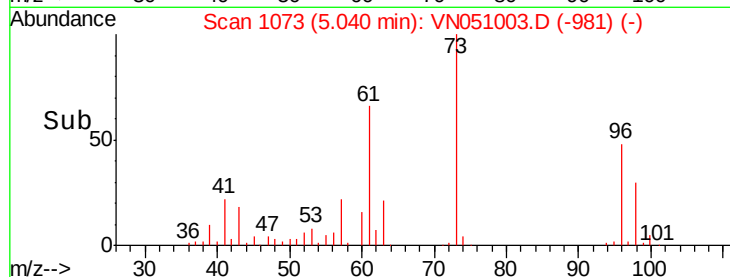


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.73 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion: 45 Resp: 1086382

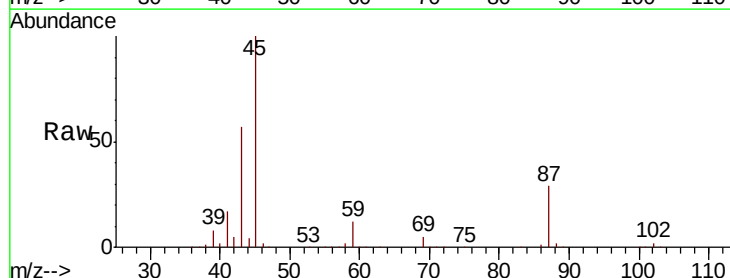
Ion Ratio Lower Upper

45 100

43 55.7 45.9 68.9

87 29.2 22.7 34.1

59 11.9 9.3 13.9



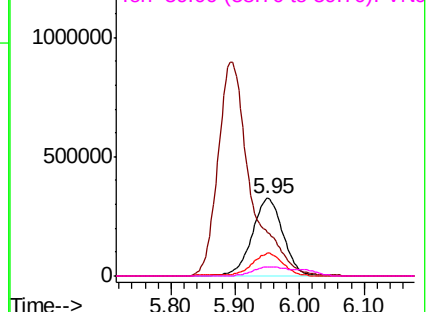
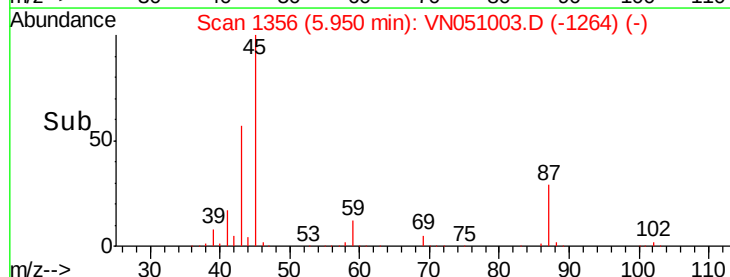
Abundance

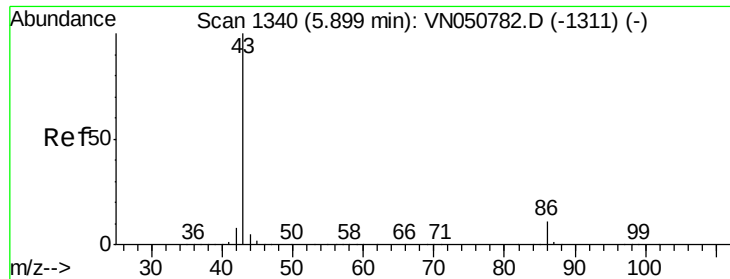
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

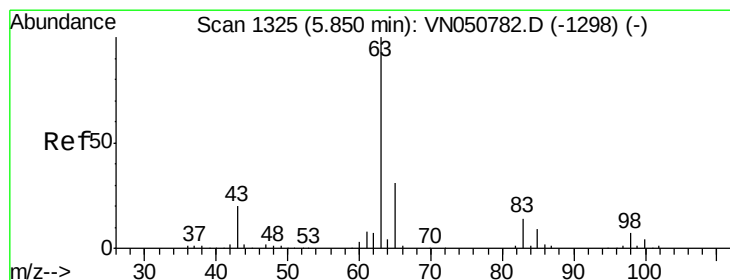
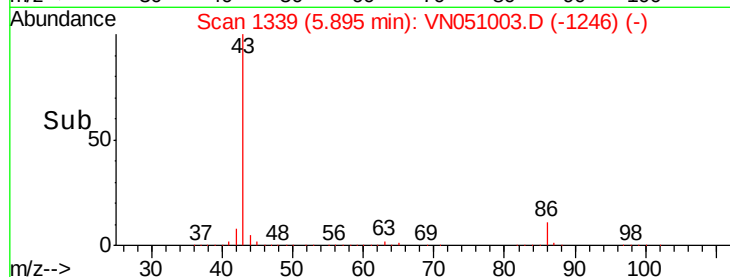
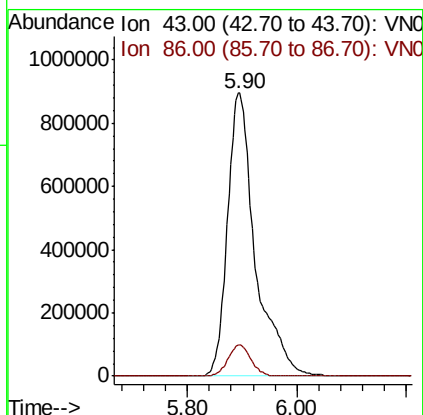
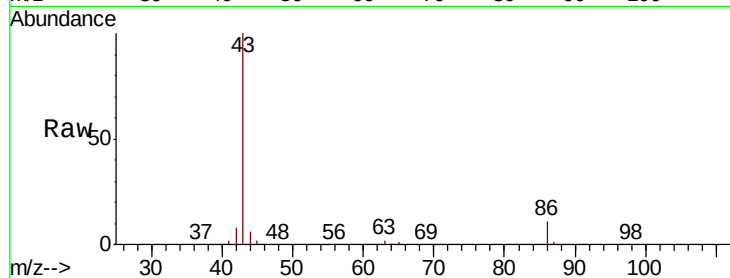




#23
 Vinyl Acetate
 Concen: 224.59 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

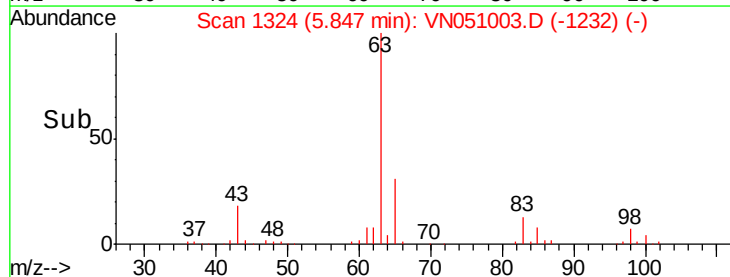
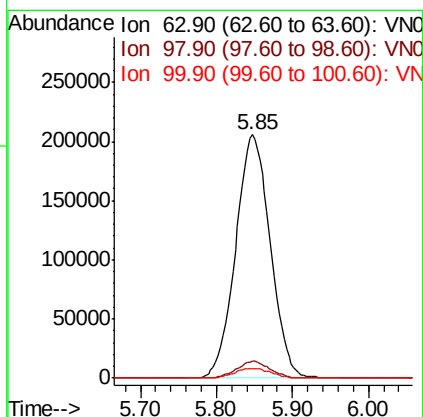
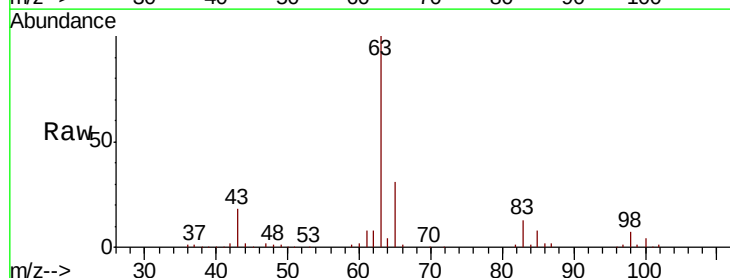
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

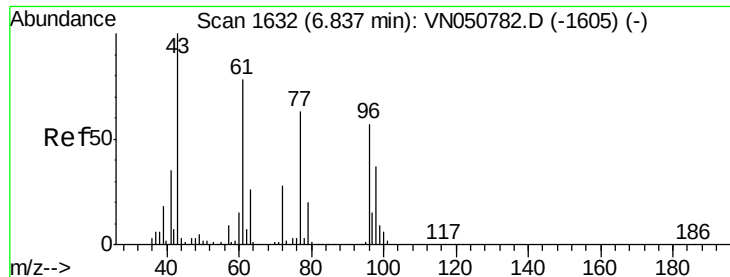
Tot Ion: 43 Resp: 3159604
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 46.32 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 63 Resp: 649689
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.3 9.8
 100 4.0 2.1 6.5

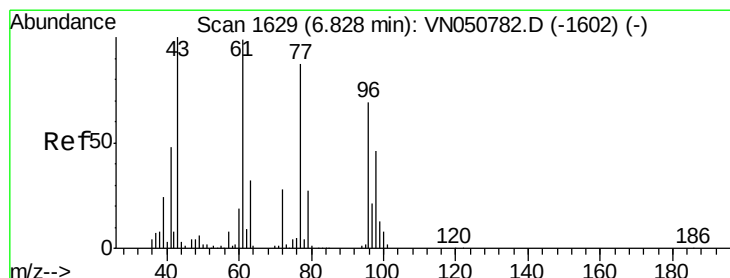
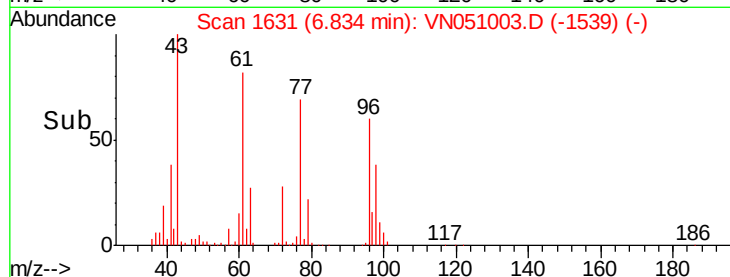
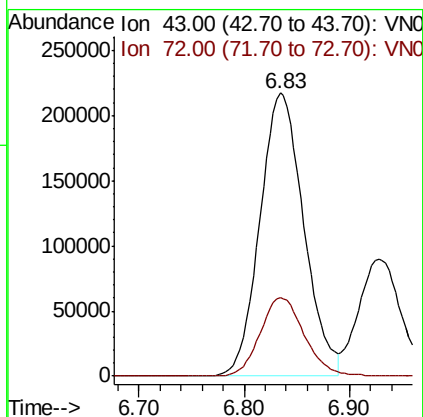
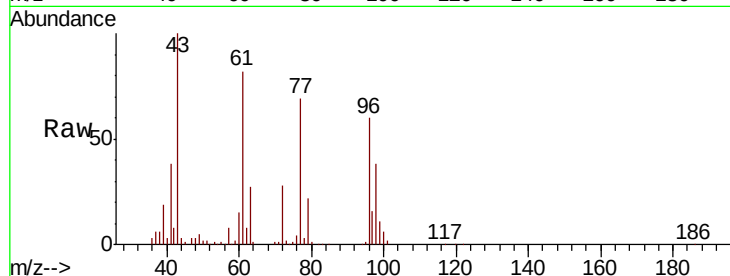




#25
 2-Butanone
 Concen: 205.81 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

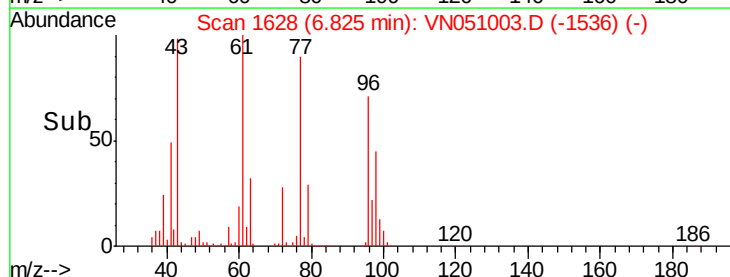
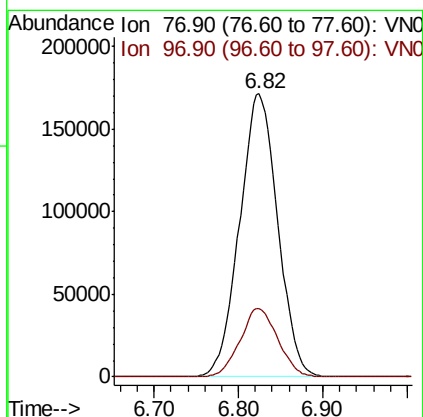
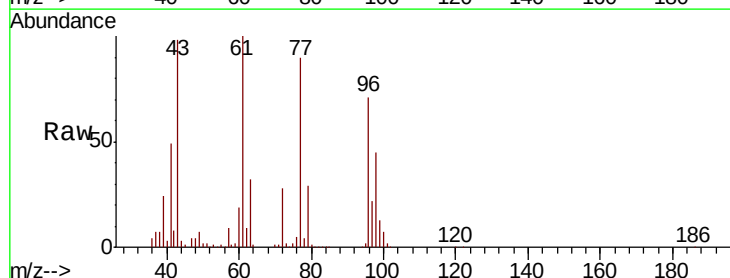
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

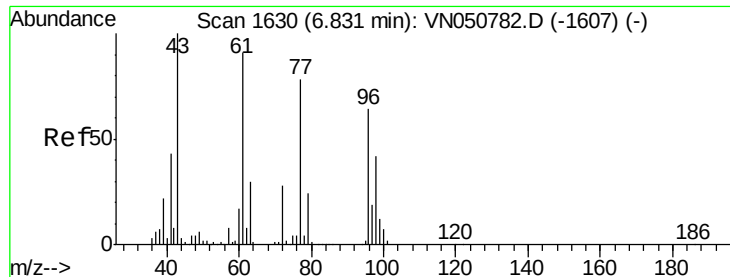
Tot Ion: 43 Resp: 625398
 Ion Ratio Lower Upper
 43 100
 72 27.6 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 47.68 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 77 Resp: 537281
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 47.78 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

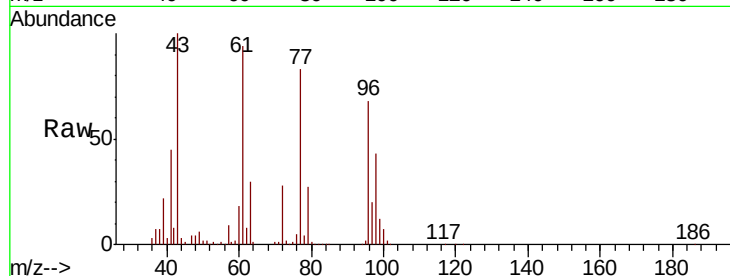
Tot Ion: 96 Resp: 391905

Ion Ratio Lower Upper

96 100

61 142.0 0.0 283.4

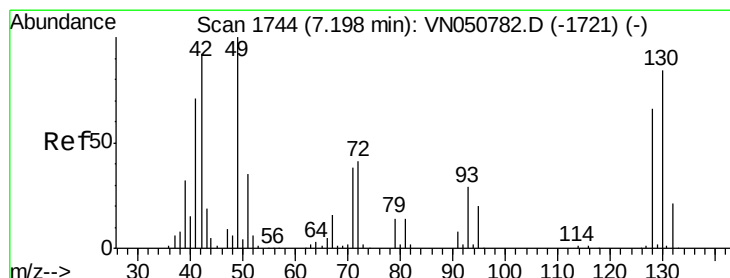
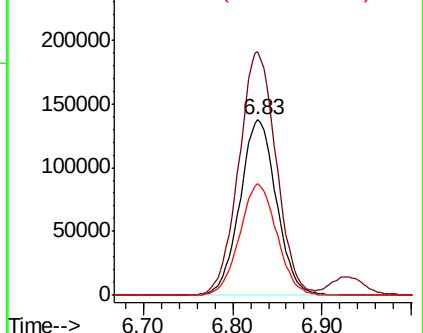
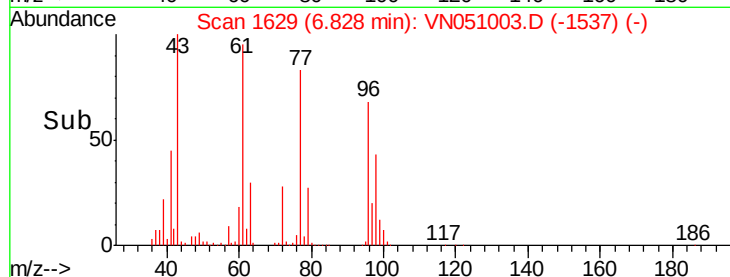
98 64.7 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 47.30 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

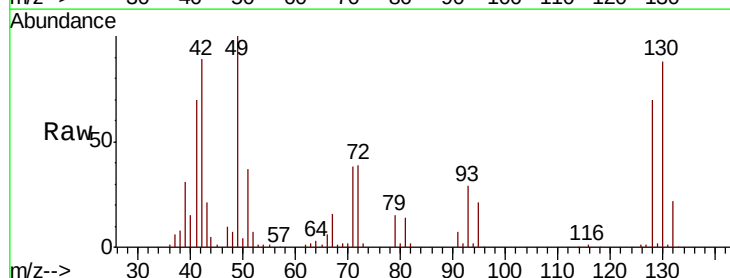
Tgt Ion: 49 Resp: 281907

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

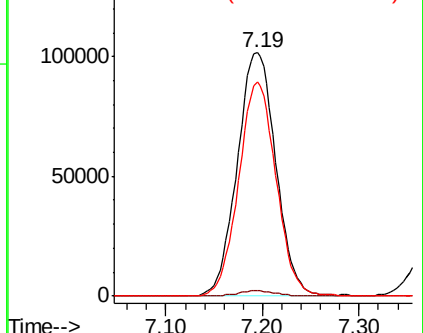
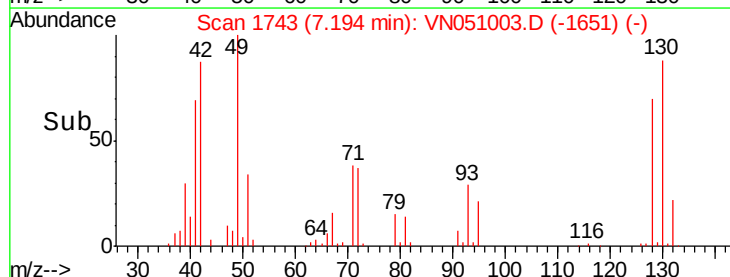
130 85.2 67.1 100.7

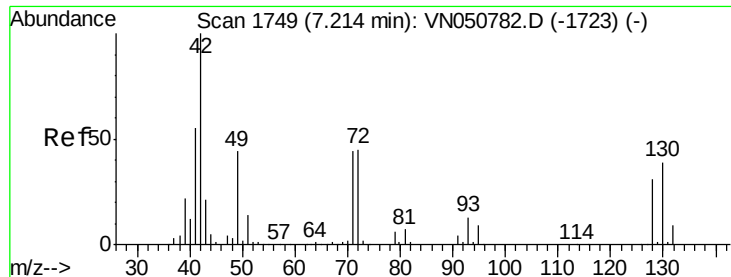


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

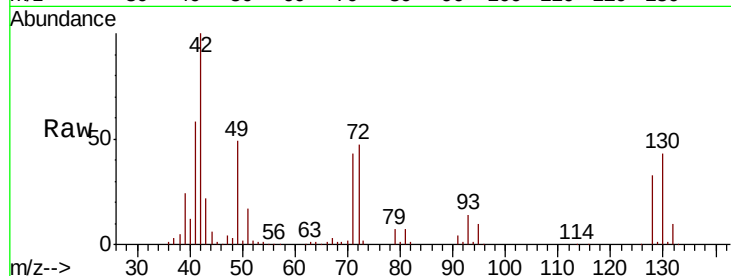




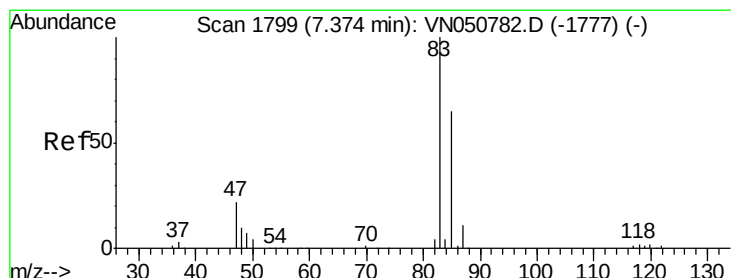
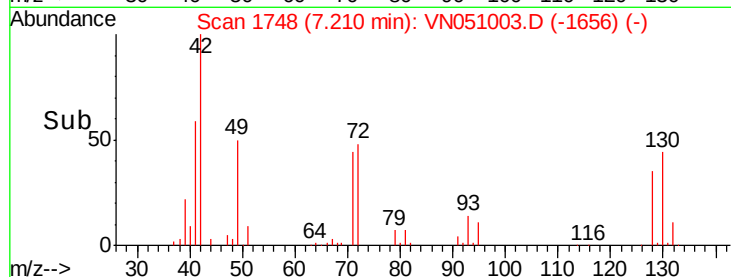
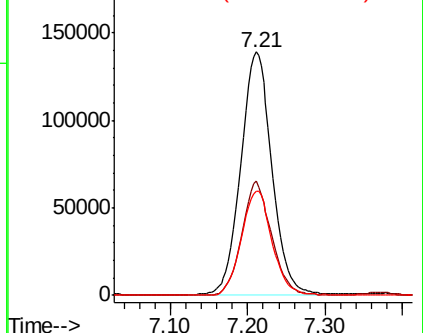
#29
Tetrahydrofuran
Concen: 223.67 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 389677
Ion Ratio Lower Upper
42 100
72 44.5 35.5 53.3
71 42.5 33.7 50.5

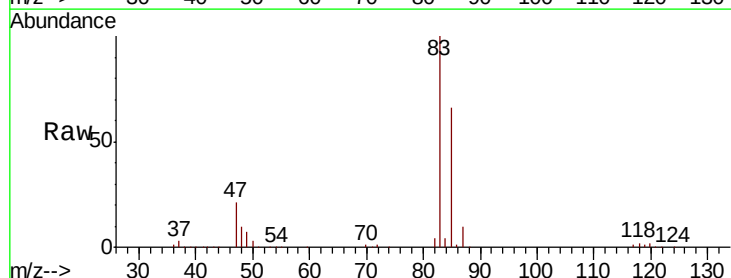


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

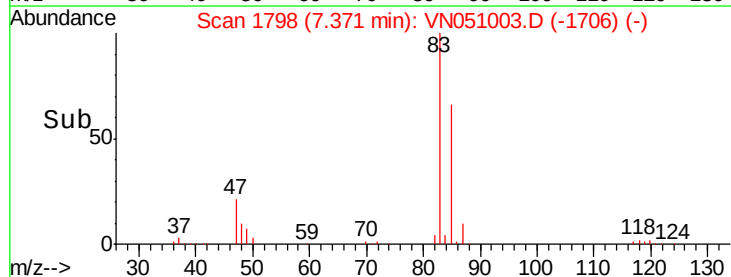
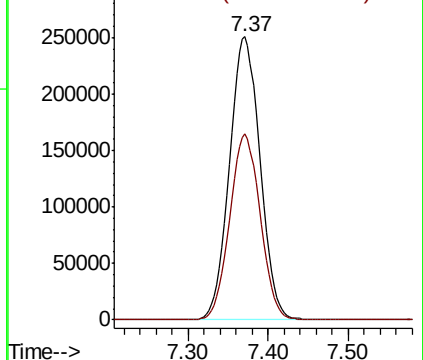


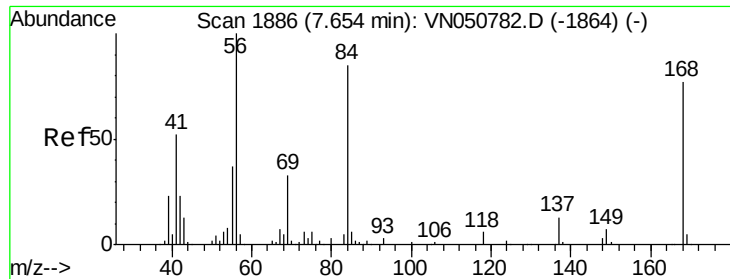
#30
Chloroform
Concen: 46.83 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 83 Resp: 650342
Ion Ratio Lower Upper
83 100
85 65.6 52.2 78.4



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

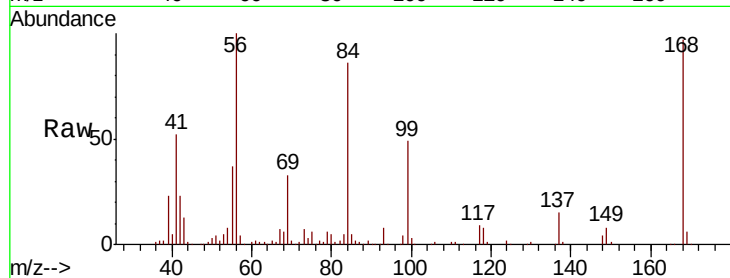




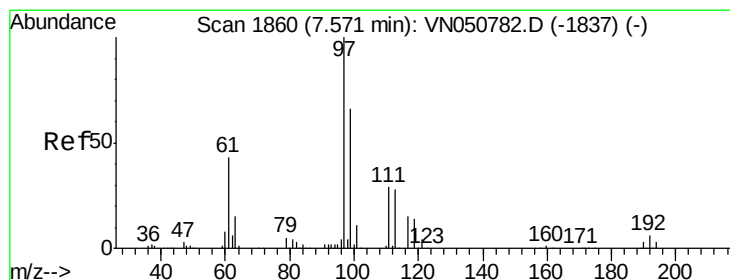
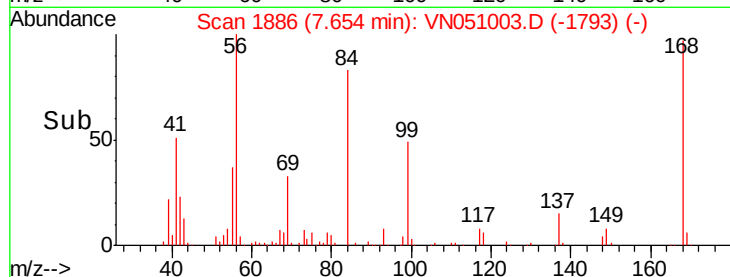
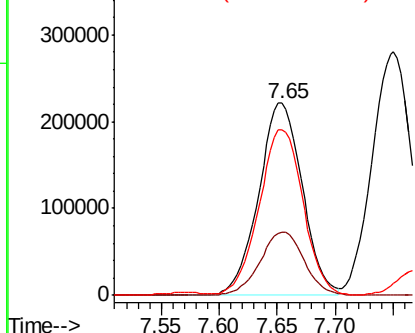
#31
Cyclohexane
Concen: 45.51 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 579570
Ion Ratio Lower Upper
56 100
69 32.8 26.2 39.4
84 84.9 68.3 102.5

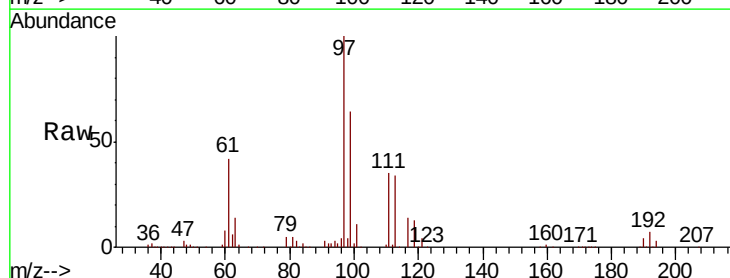


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

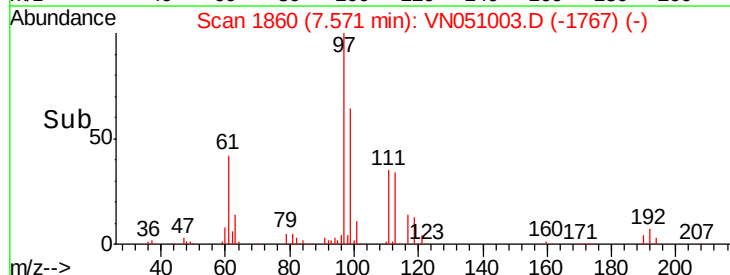
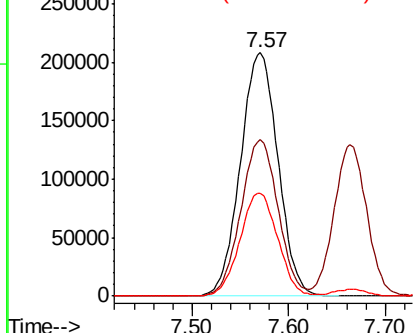


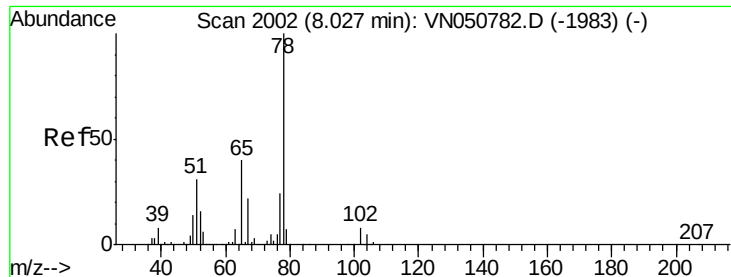
#32
1,1,1-Trichloroethane
Concen: 47.03 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 97 Resp: 561013
Ion Ratio Lower Upper
97 100
99 63.9 51.8 77.6
61 42.5 34.9 52.3



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

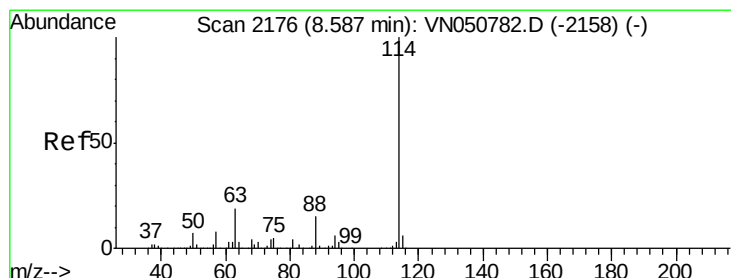
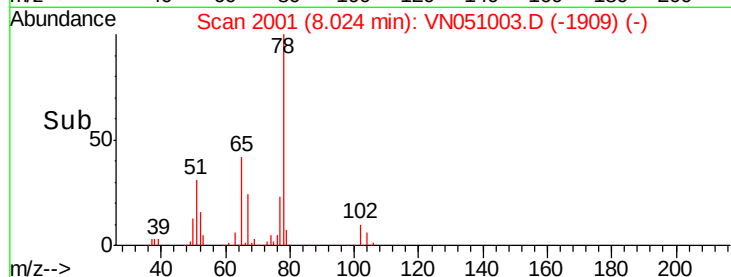
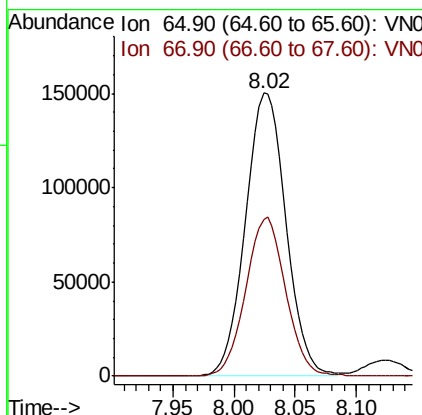
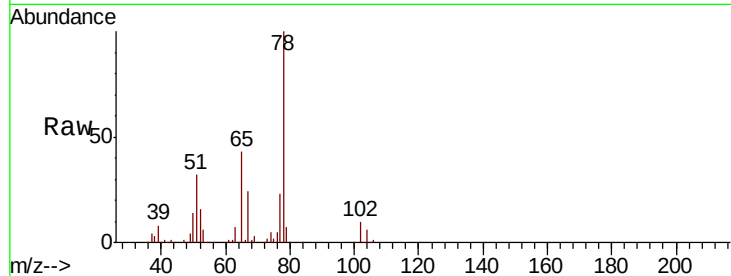




#33
 1,2-Dichloroethane-d4
 Concen: 45.79 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

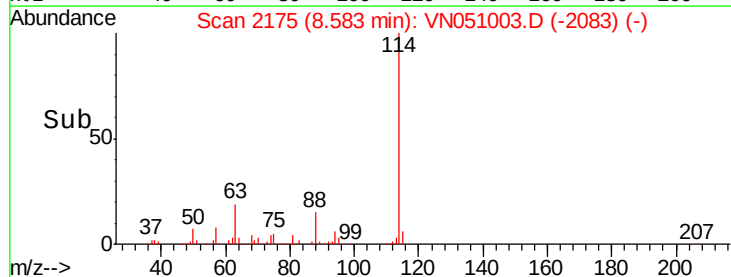
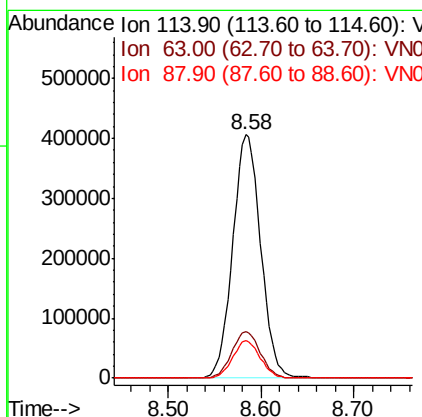
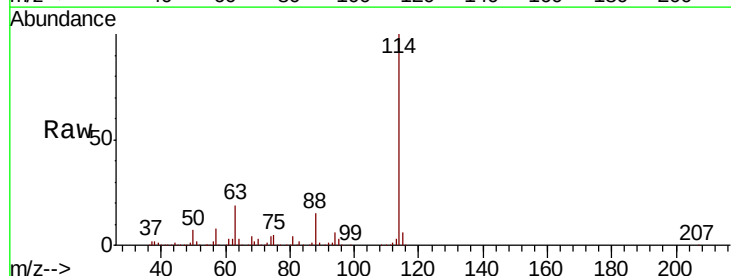
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

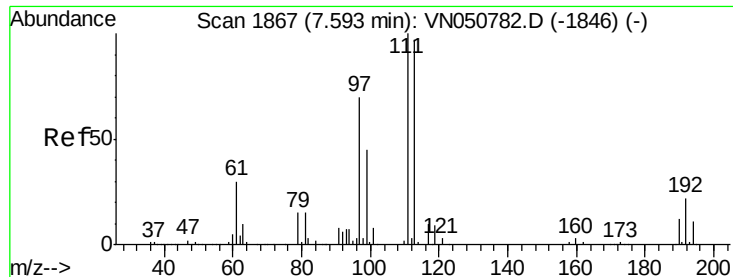
Tot Ion: 65 Resp: 345301
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 114 Resp: 849924
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.4 0.0 30.6

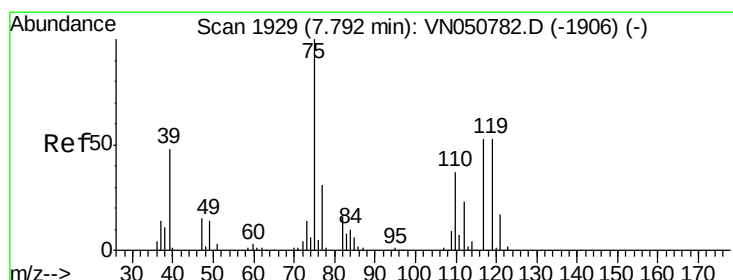
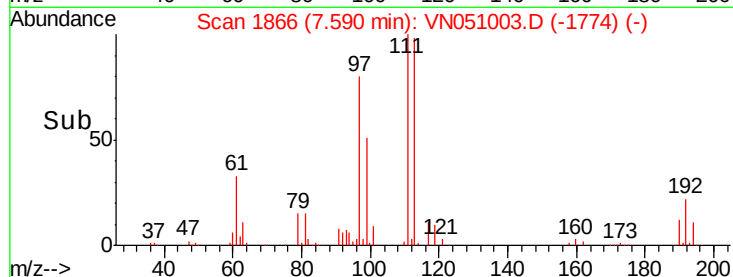
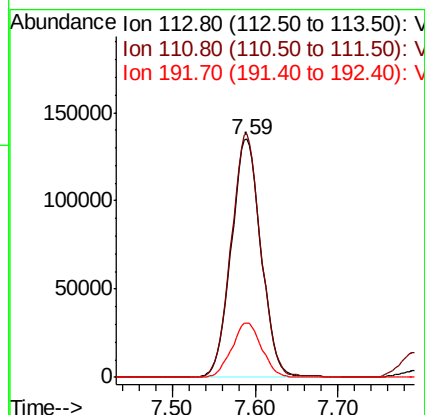
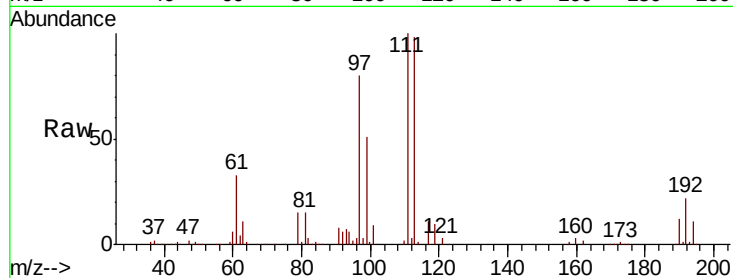




#35
 Dibromofluoromethane
 Concen: 49.93 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

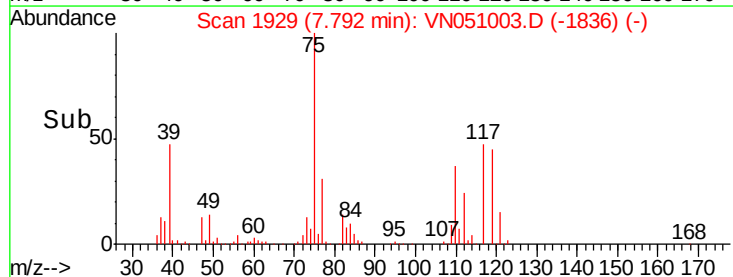
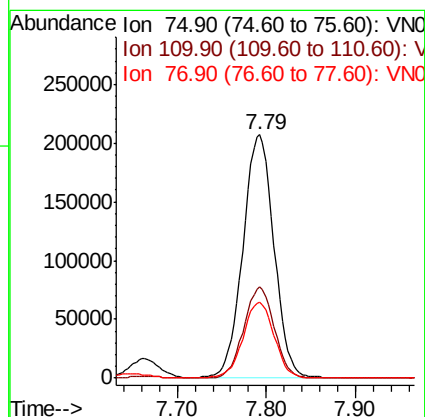
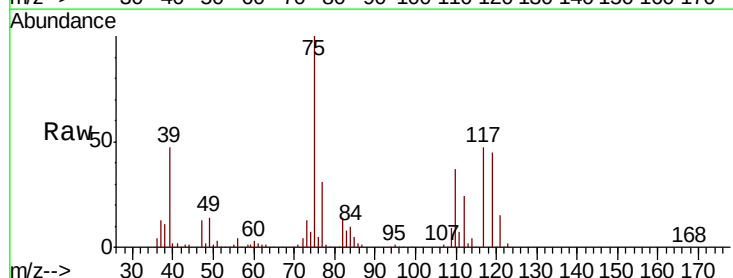
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

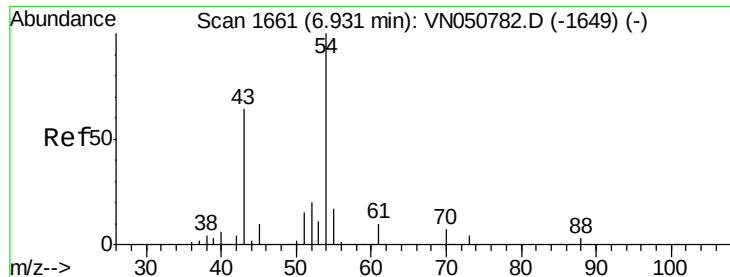
Tot Ion:113 Resp: 337622
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.6 123.8
 192 22.8 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 49.80 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 75 Resp: 499444
 Ion Ratio Lower Upper
 75 100
 110 36.8 18.1 54.4
 77 31.5 24.8 37.2

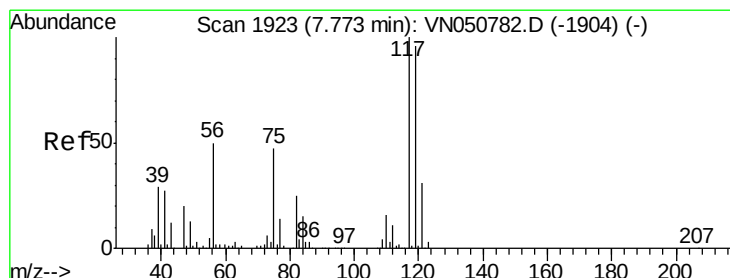
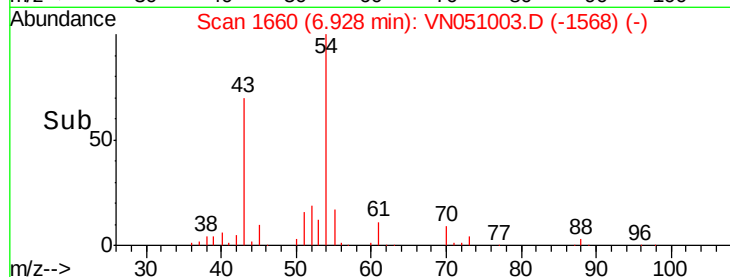
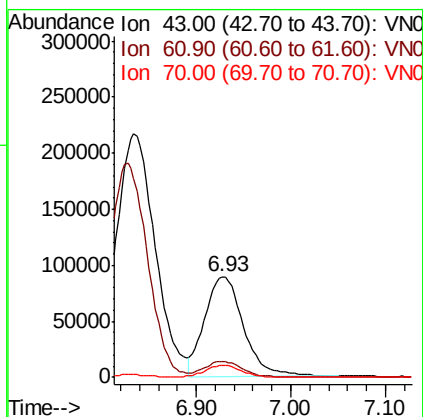
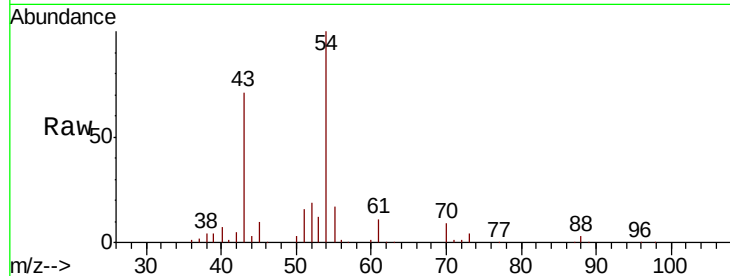




#37
Ethyl Acetate
Concen: 44.14 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

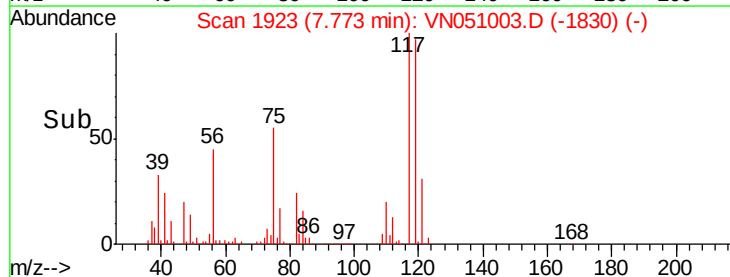
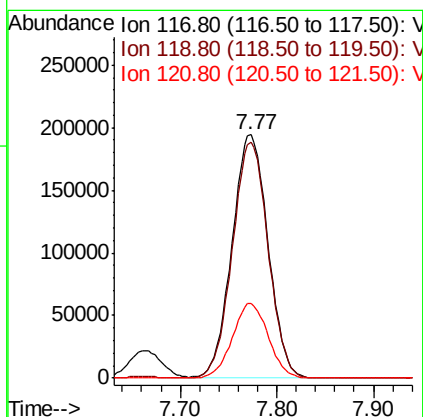
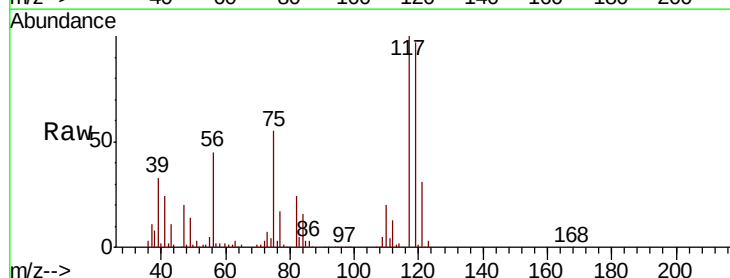
Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

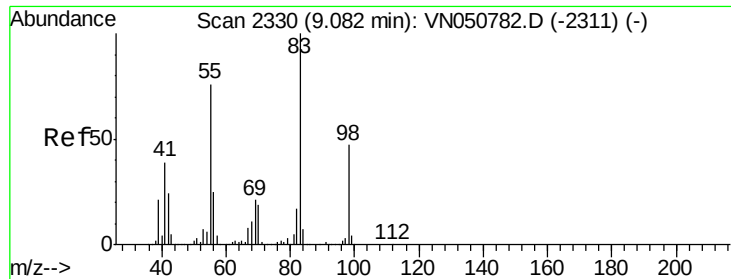
Tot Ion: 43 Resp: 254296
Ion Ratio Lower Upper
43 100
61 15.3 12.0 18.0
70 11.5 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.56 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 117 Resp: 502438
Ion Ratio Lower Upper
117 100
119 96.7 76.3 114.5
121 30.6 24.6 36.8

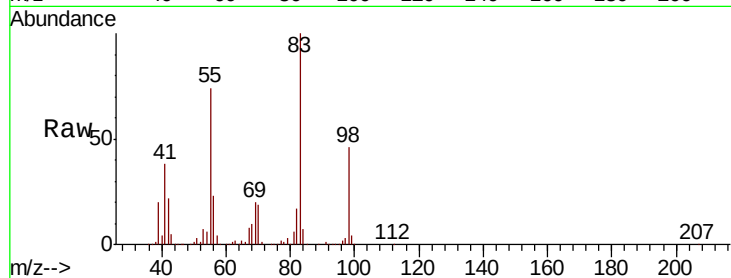




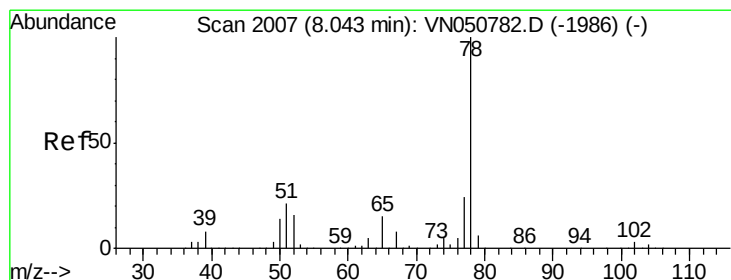
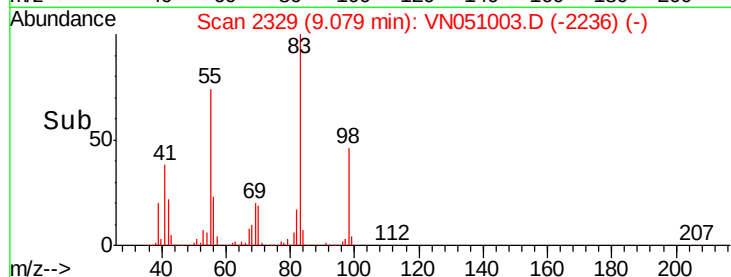
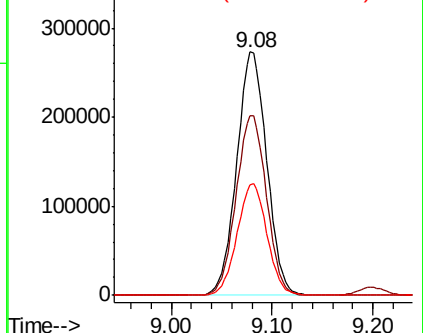
#39
Methylvlcyclohexane
Concen: 51.94 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 563559
Ion Ratio Lower Upper
83 100
55 74.0 61.0 91.4
98 45.5 37.5 56.3

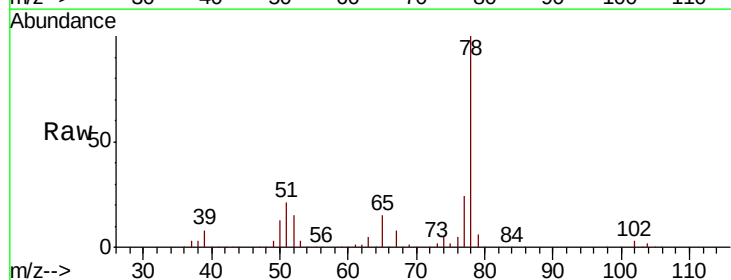


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

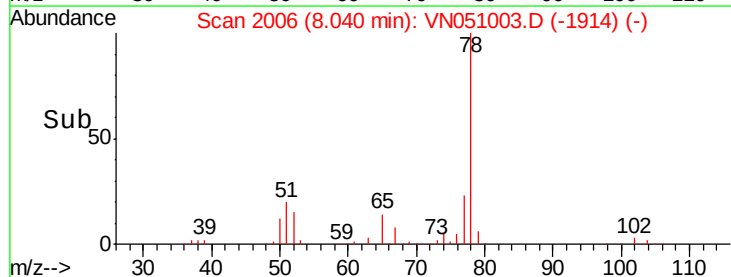
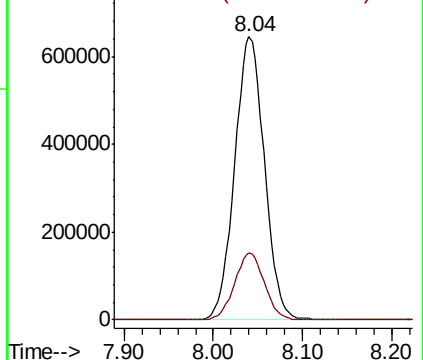


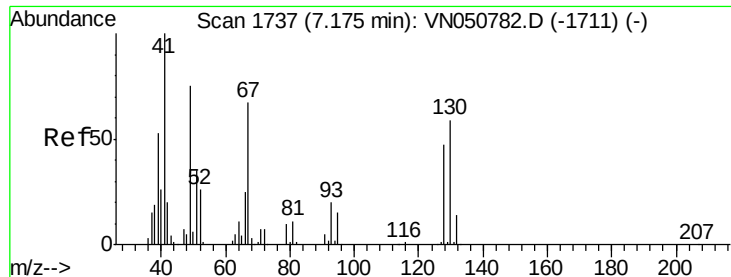
#40
Benzene
Concen: 49.46 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 78 Resp: 1495800
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

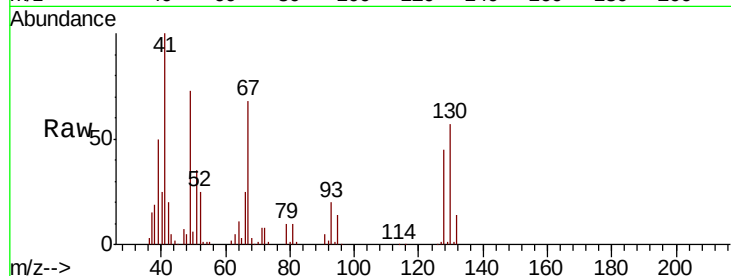




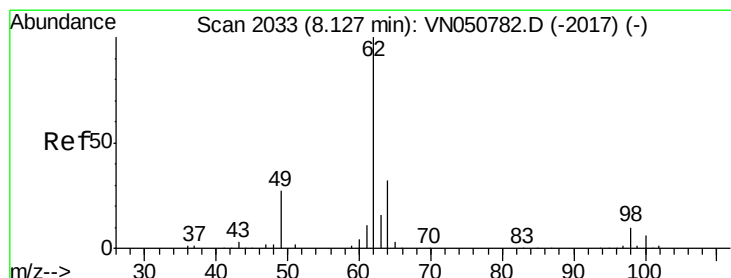
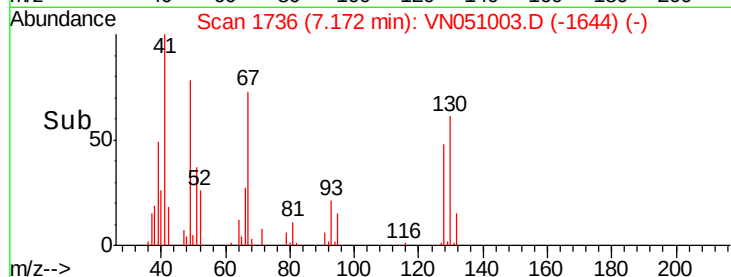
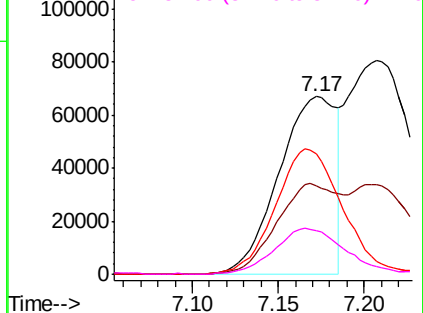
#41
Methacrylonitrile
Concen: 49.96 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	155785
Ion	Ratio	Lower	Upper
41	100		
39	55.3	45.4	68.0
67	82.3	70.6	106.0
52	31.9	27.1	40.7

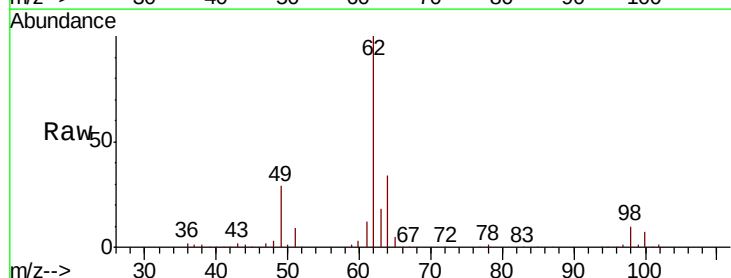


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

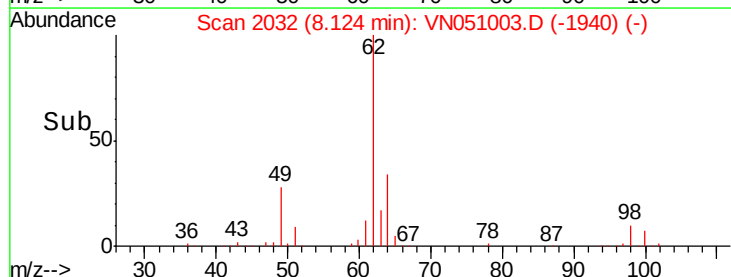
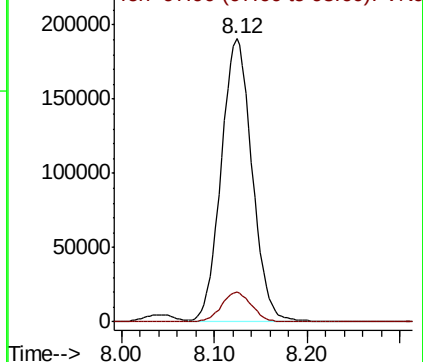


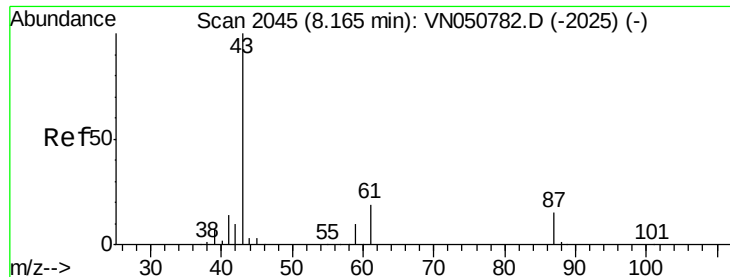
#42
1,2-Dichloroethane
Concen: 48.59 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion:	62	Resp:	439354
Ion	Ratio	Lower	Upper
62	100		
98	10.3	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: 46.77 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

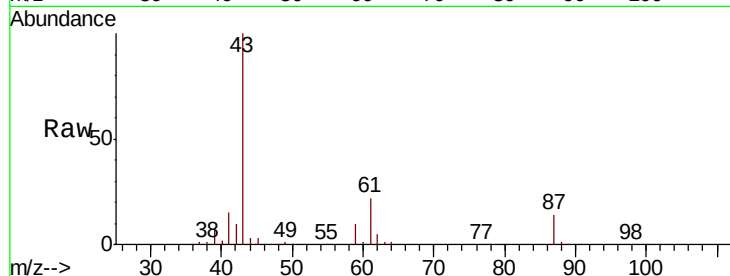
Tot Ion: 43 Resp: 463331

Ion Ratio Lower Upper

43 100

61 32.5 17.5 26.3#

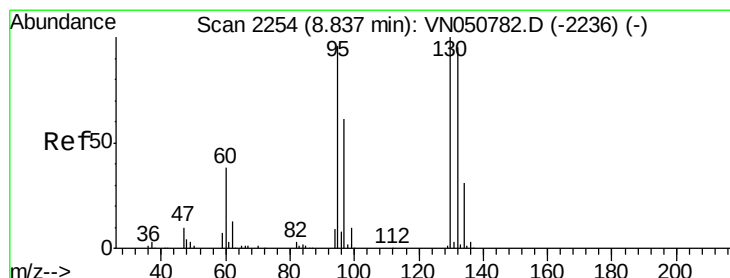
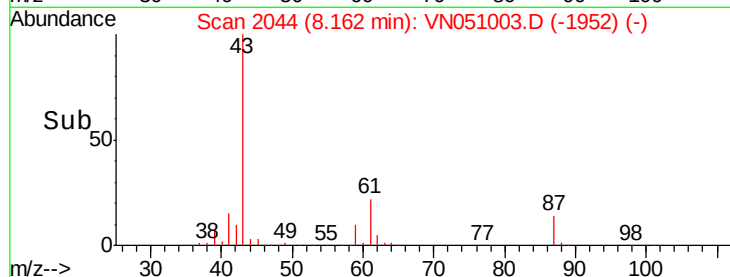
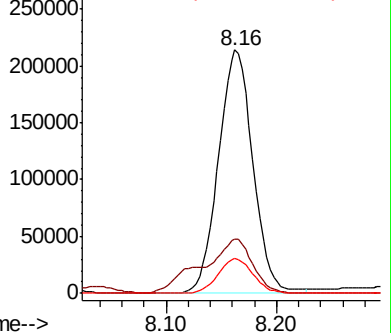
87 14.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 50.04 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN051003.D

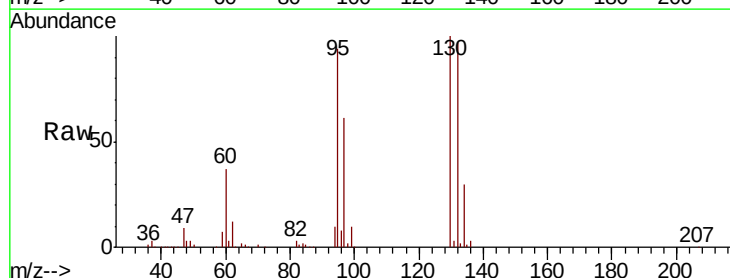
Acq: 4 Sep 2018 8:15

Tgt Ion:130 Resp: 399102

Ion Ratio Lower Upper

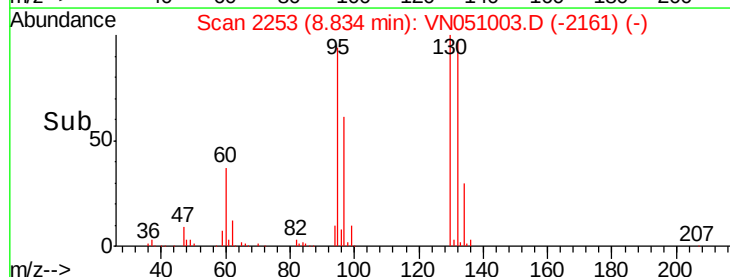
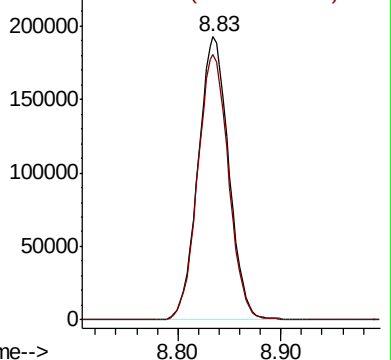
130 100

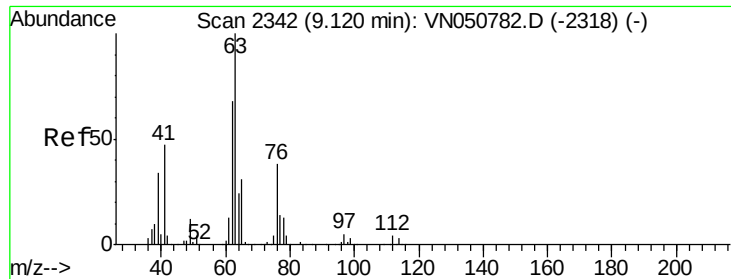
95 93.7 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

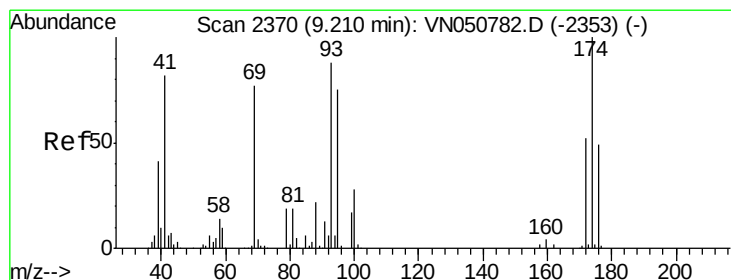
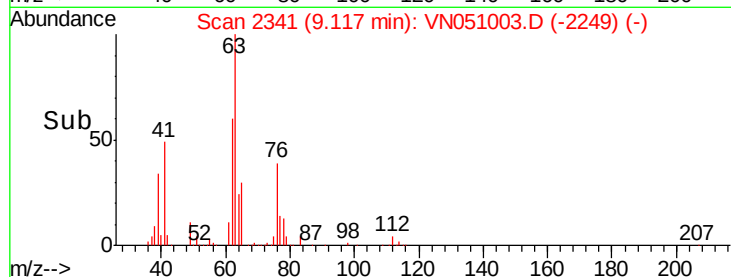
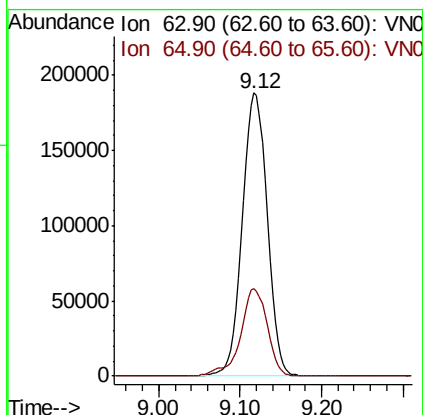
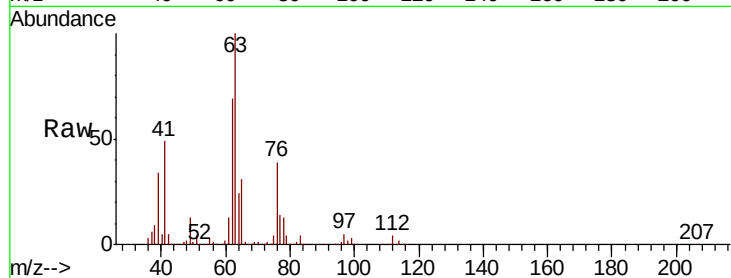




#45
 1,2-Dichloropropane
 Concen: 49.79 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

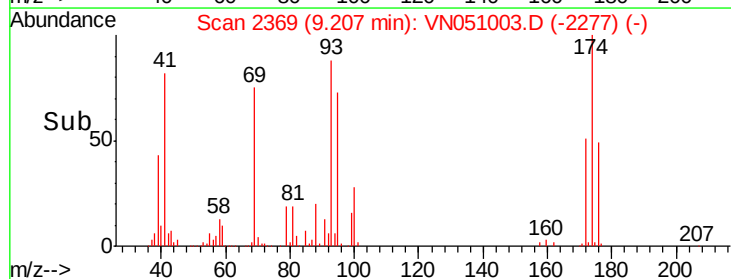
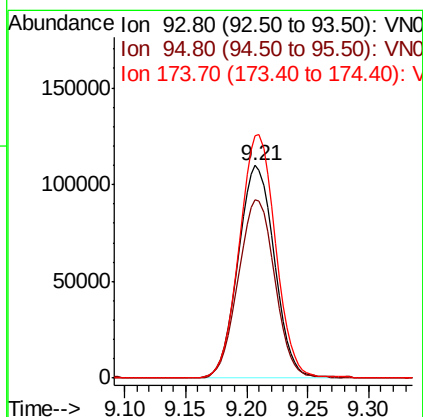
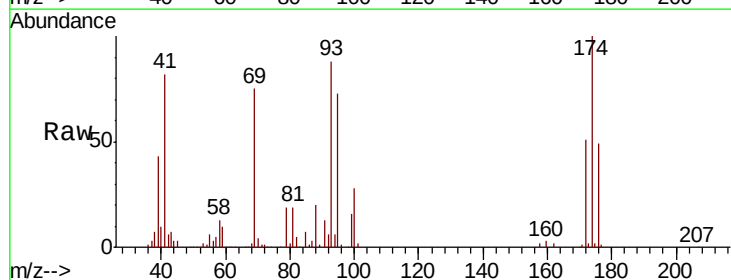
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

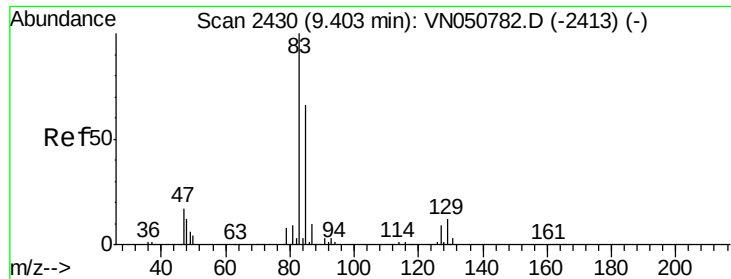
Tot Ion: 63 Resp: 395768
 Ion Ratio Lower Upper
 63 100
 65 31.0 25.0 37.6



#46
 Dibromomethane
 Concen: 48.43 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 93 Resp: 226202
 Ion Ratio Lower Upper
 93 100
 95 84.5 66.7 100.1
 174 114.3 89.8 134.6

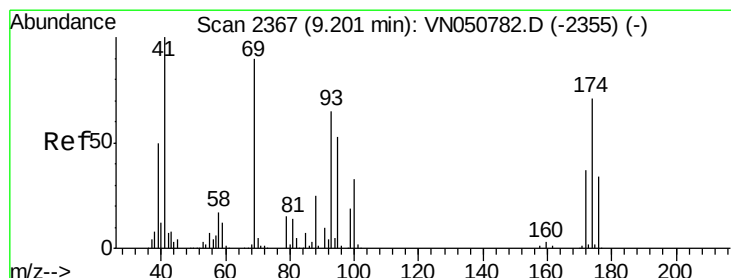
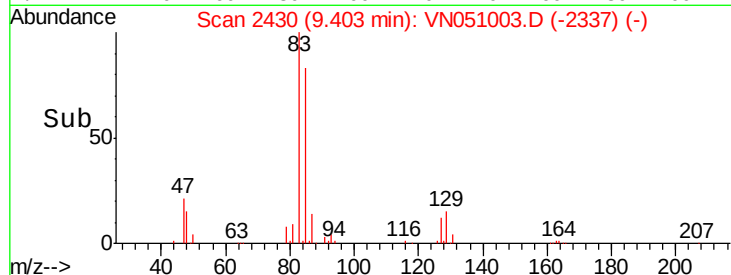
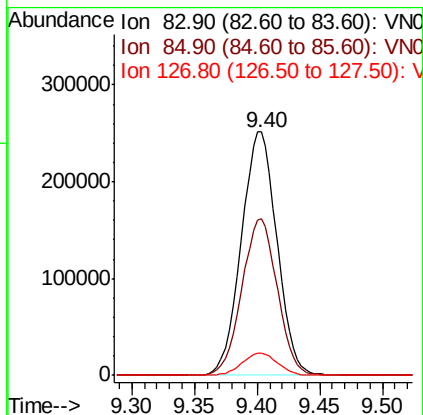
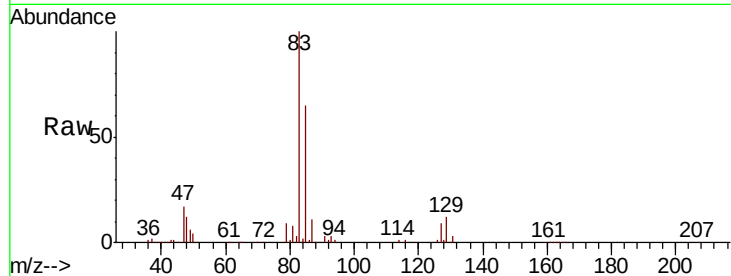




#47
 Bromodichloromethane
 Concen: 50.84 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

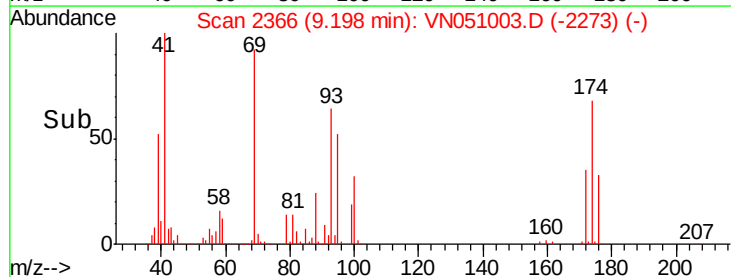
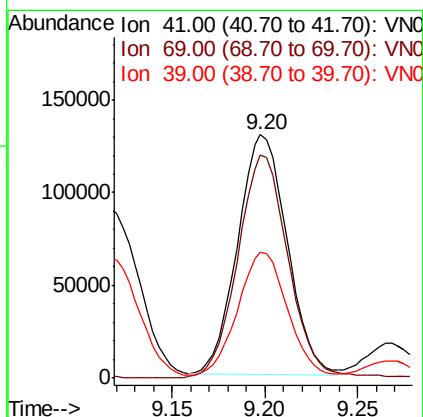
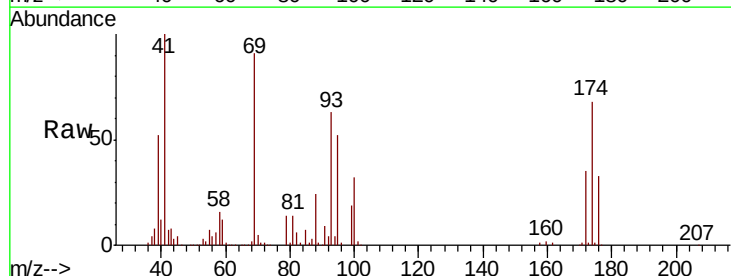
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

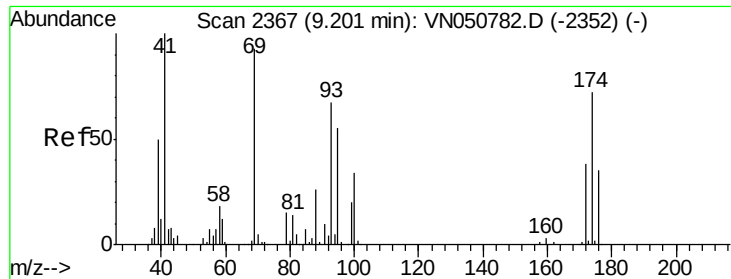
Tot Ion: 83 Resp: 497281
 Ion Ratio Lower Upper
 83 100
 85 64.6 52.6 78.8
 127 9.2 7.2 10.8



#48
 Methyl methacrylate
 Concen: 47.41 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 41 Resp: 239322
 Ion Ratio Lower Upper
 41 100
 69 95.6 74.7 112.1
 39 53.5 42.2 63.2

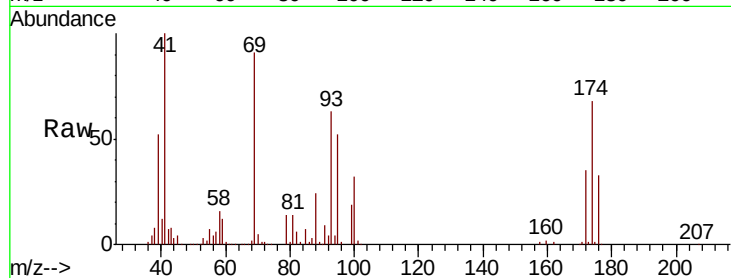




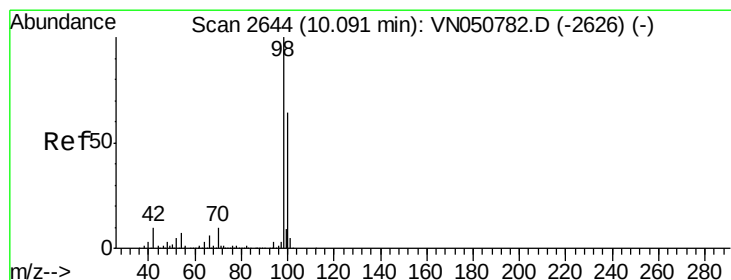
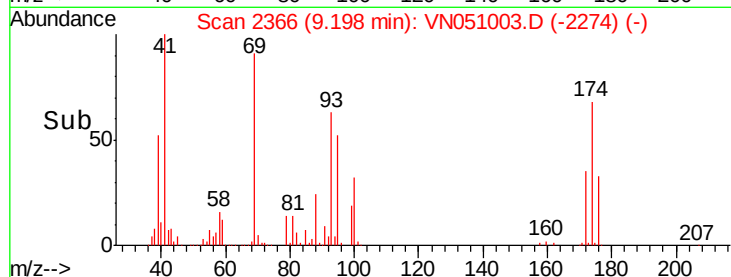
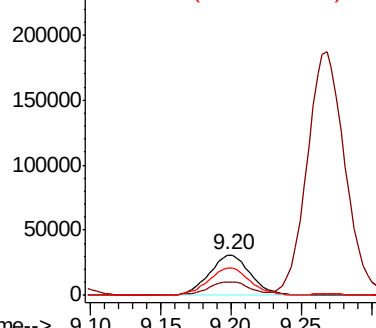
#49
1,4-Dioxane
Concen: 927.62 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 63839
Ion Ratio Lower Upper
88 100
43 32.7 25.9 38.9
58 68.4 55.0 82.4

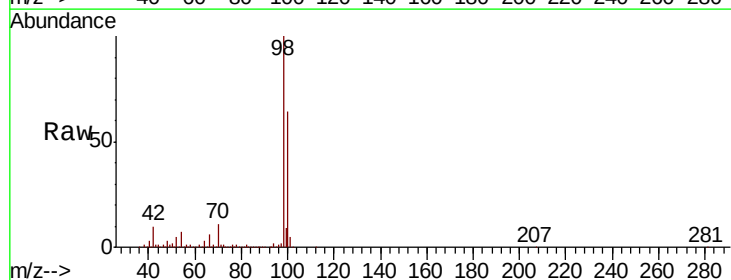


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

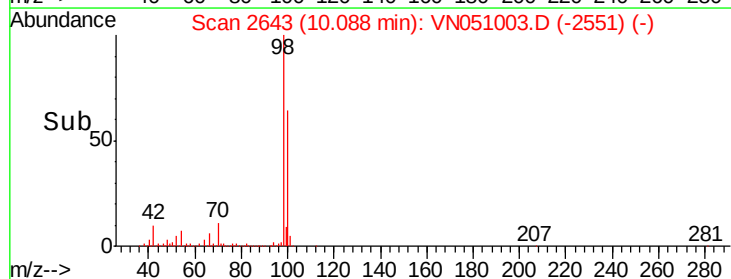
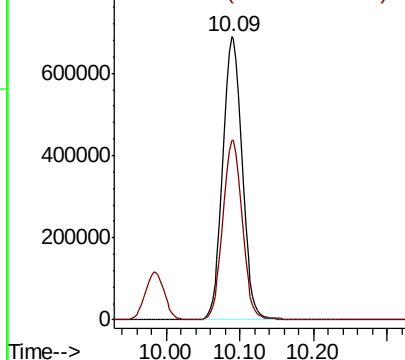


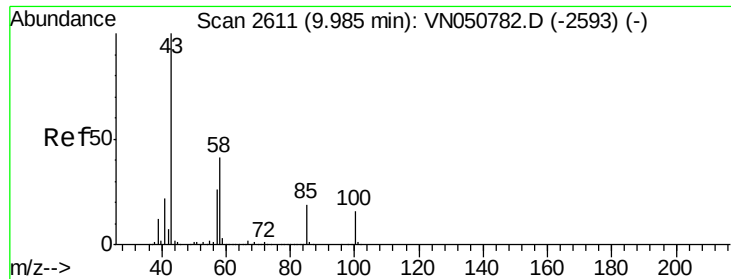
#50
Toluene-d8
Concen: 50.24 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 98 Resp: 1270121
Ion Ratio Lower Upper
98 100
100 63.4 51.5 77.3



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

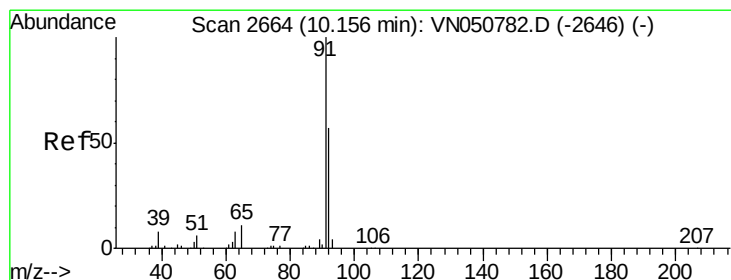
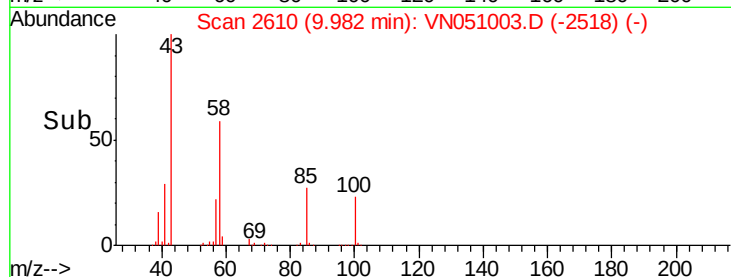
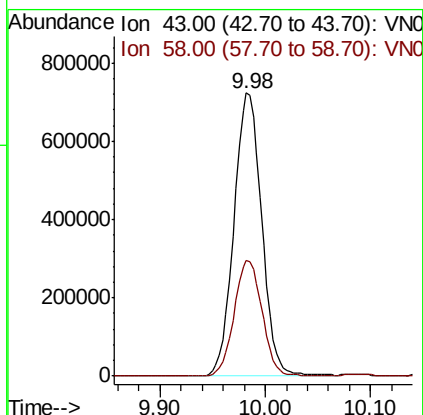
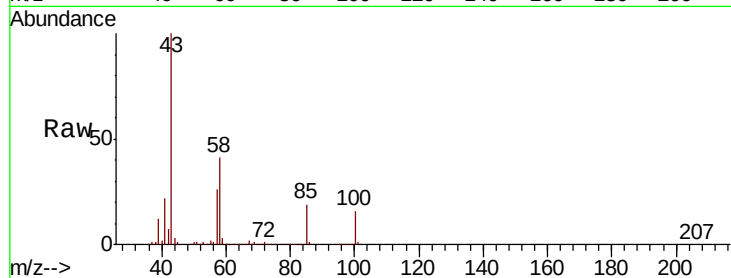




#51
 4-Methyl-2-Pentanone
 Concen: 223.12 ug/l
 RT: 9.98 min Scan# 2610
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

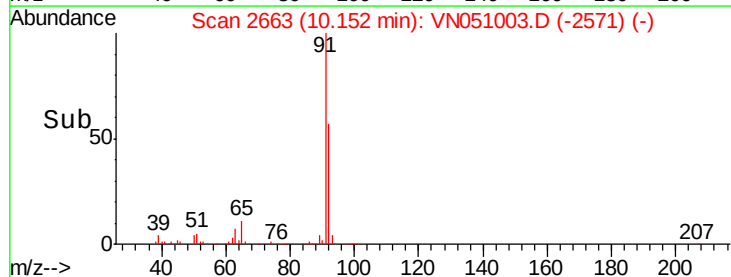
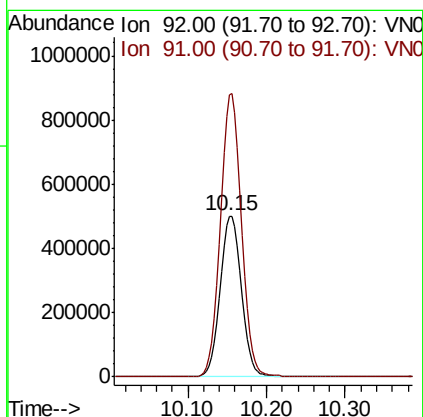
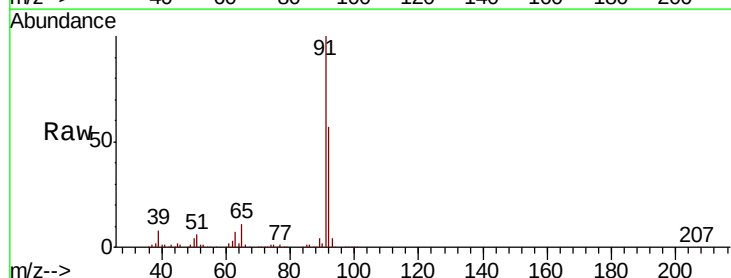
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

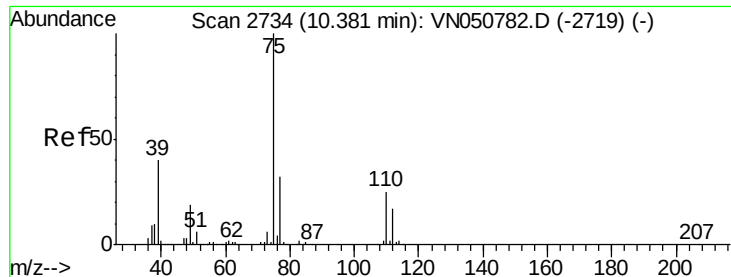
Tot Ion: 43 Resp: 1318920
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6



#52
 Toluene
 Concen: 52.07 ug/l
 RT: 10.15 min Scan# 2663
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 92 Resp: 932807
 Ion Ratio Lower Upper
 92 100
 91 174.0 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 49.78 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

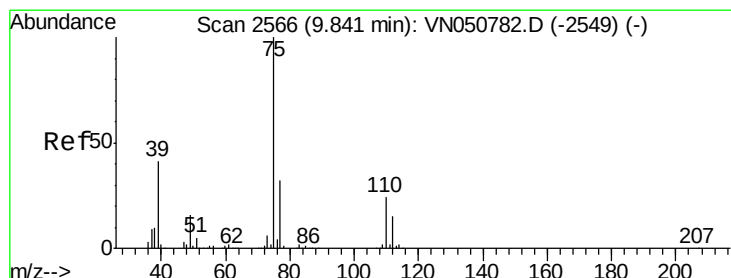
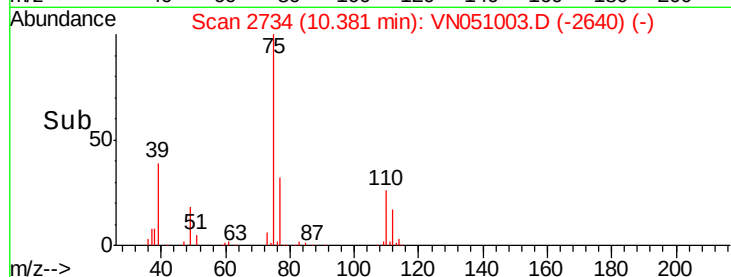
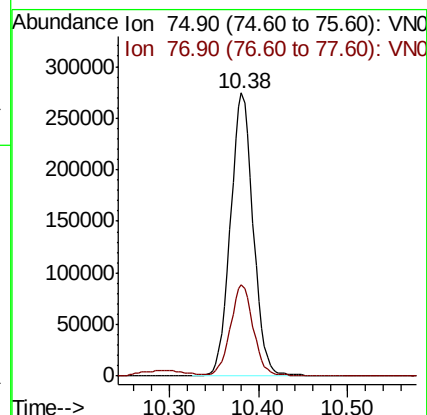
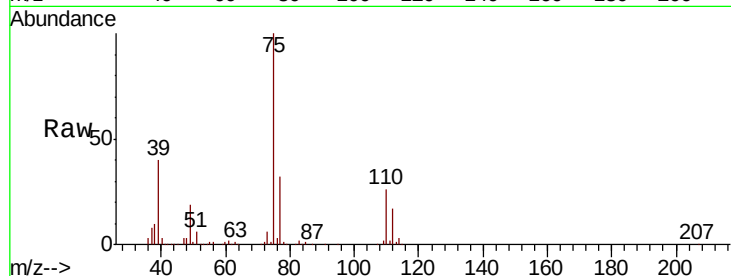
VSTDCCC050

Tot Ion: 75 Resp: 484728

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 51.71 ug/l

RT: 9.84 min Scan# 2565

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

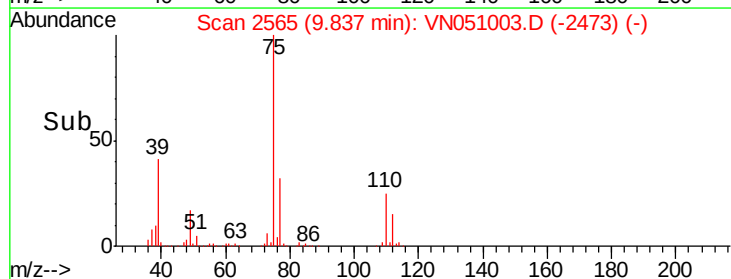
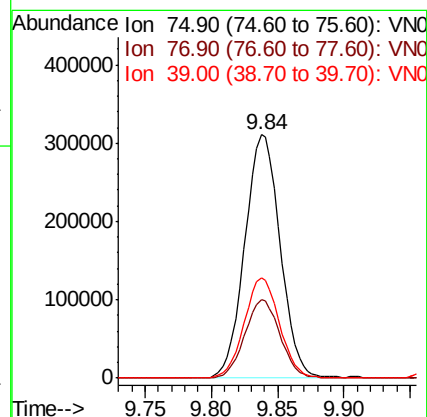
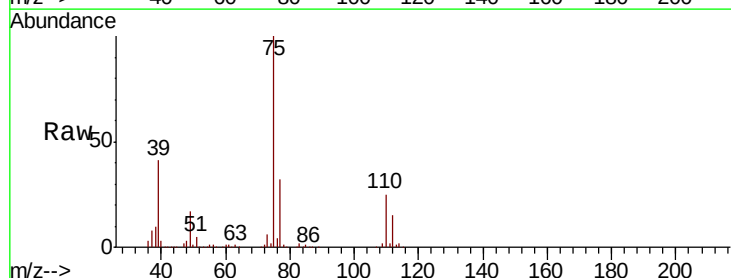
Tgt Ion: 75 Resp: 576570

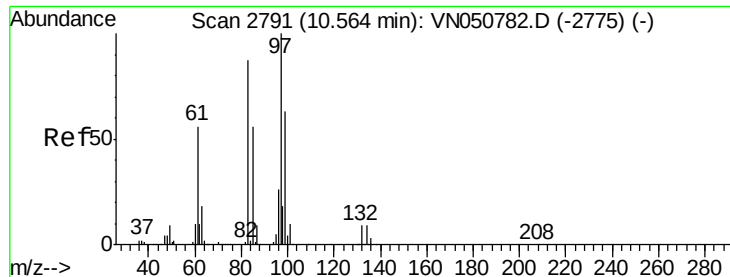
Ion Ratio Lower Upper

75 100

77 32.2 25.4 38.2

39 41.2 33.0 49.4

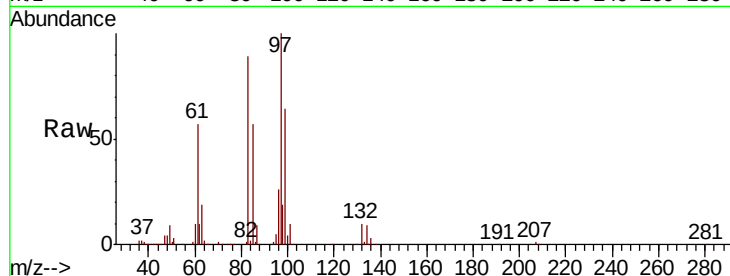




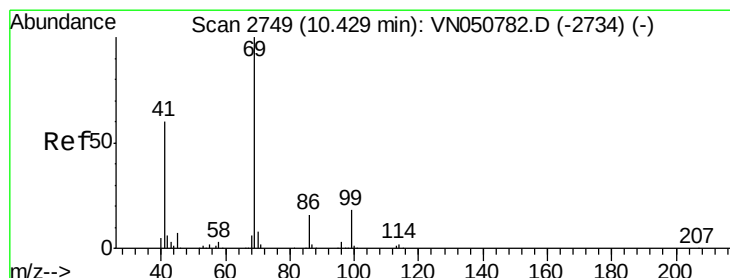
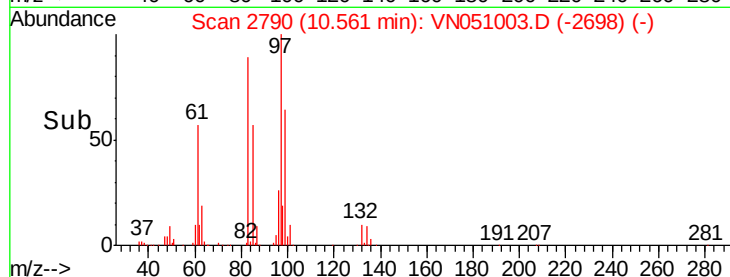
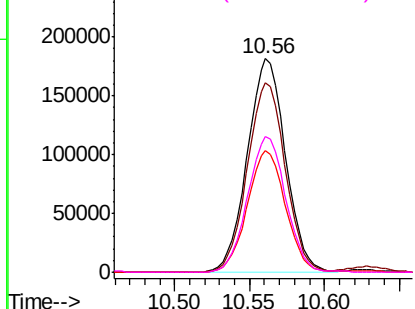
#55
 1,1,2-Trichloroethane
 Concen: 48.65 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 97 Resp: 323499
 Ion Ratio Lower Upper
 97 100
 83 88.9 69.7 104.5
 85 56.7 44.5 66.7
 99 63.5 50.7 76.1

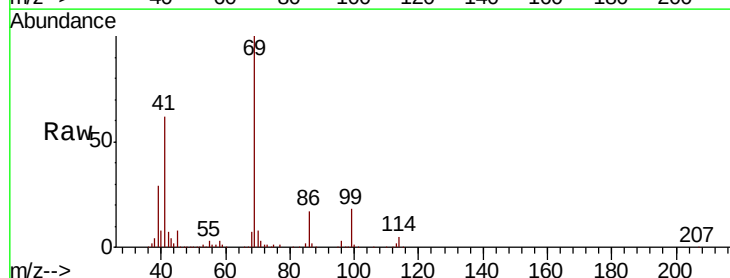


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

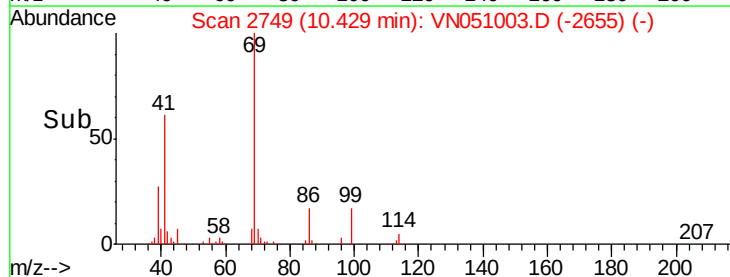
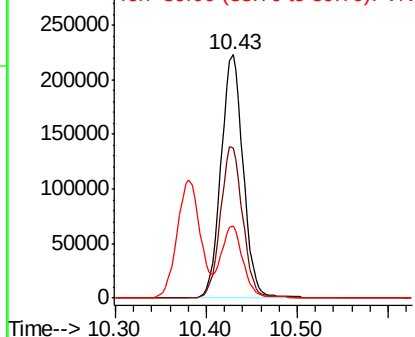


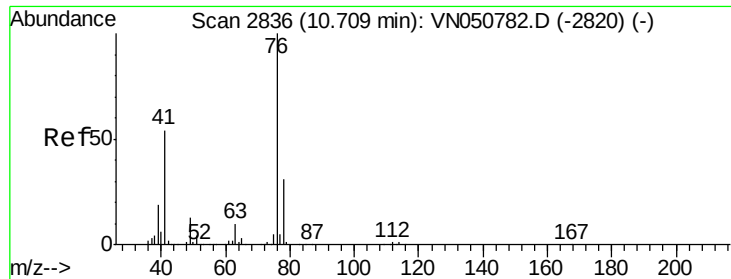
#56
 Ethyl methacrylate
 Concen: 44.06 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 69 Resp: 378564
 Ion Ratio Lower Upper
 69 100
 41 61.8 48.3 72.5
 39 29.1 24.0 36.0



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





#57

1,3-Dichloropropane

Concen: 49.68 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

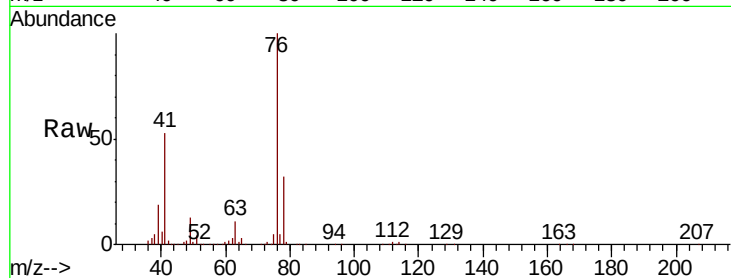
VSTDCCC050

Tot Ion: 76 Resp: 545234

Ion Ratio Lower Upper

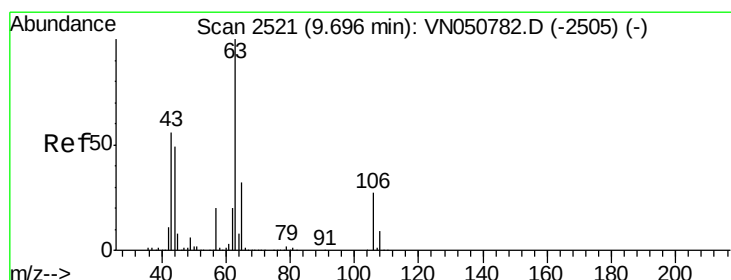
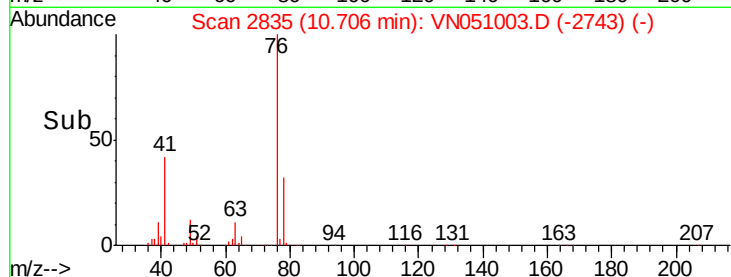
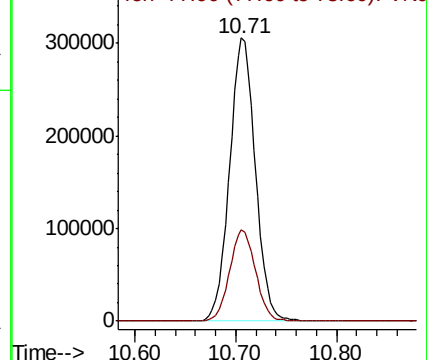
76 100

78 32.5 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 216.63 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN051003.D

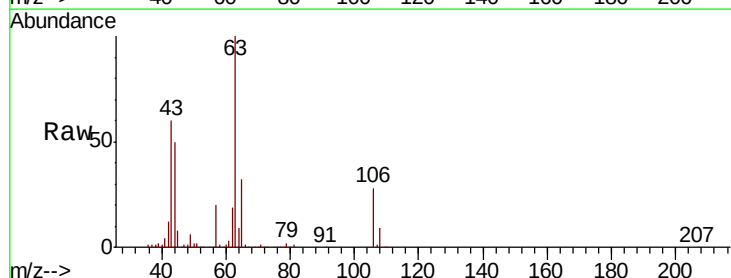
Acq: 4 Sep 2018 8:15

Tgt Ion: 63 Resp: 811235

Ion Ratio Lower Upper

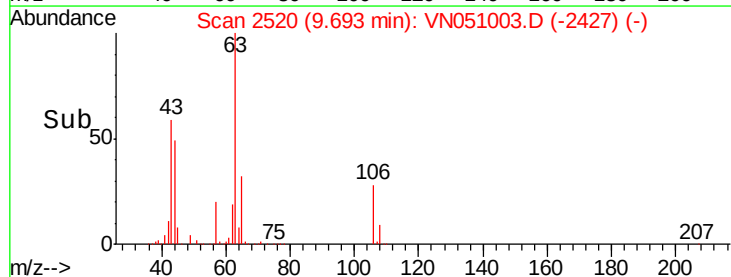
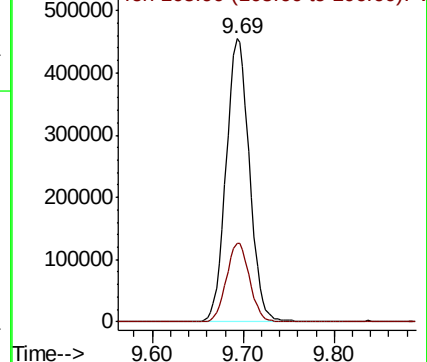
63 100

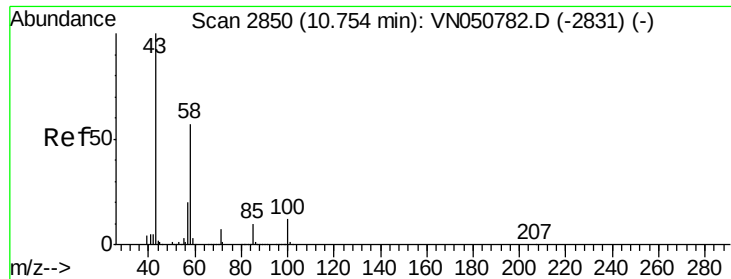
106 27.7 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

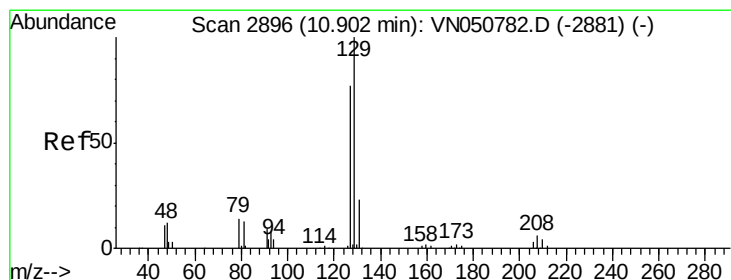
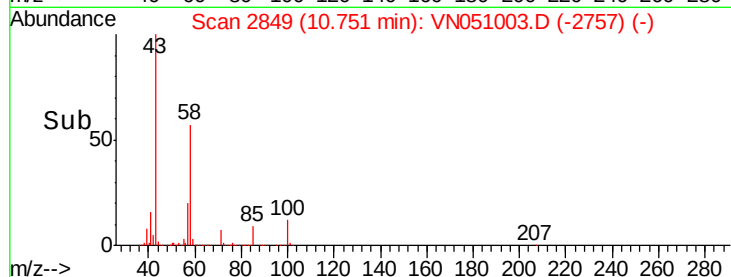
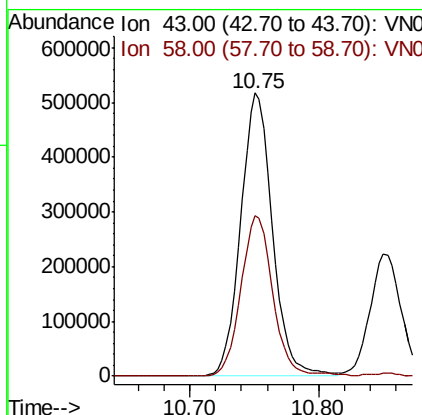
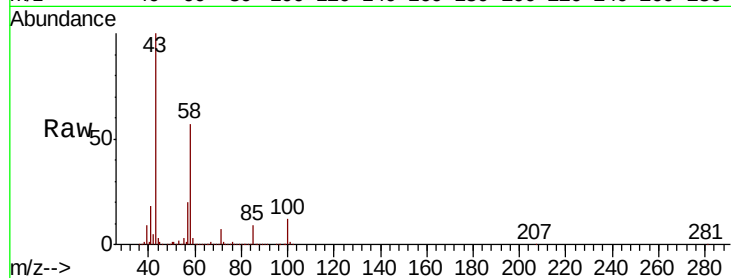




#59
2-Hexanone
Concen: 224.65 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

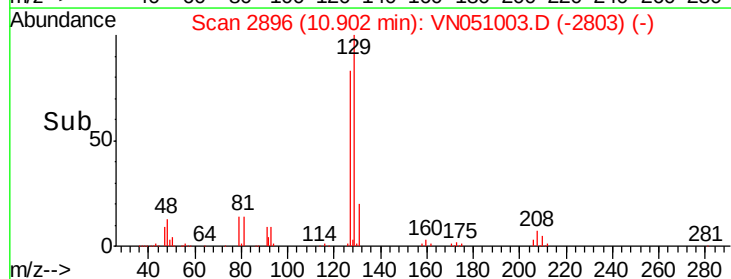
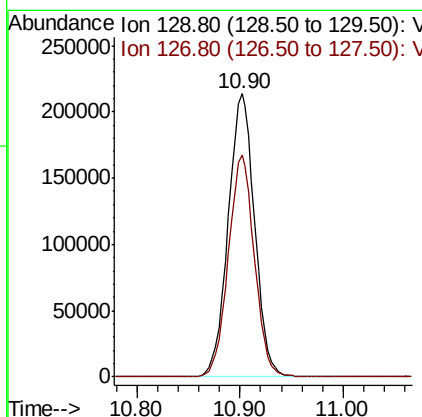
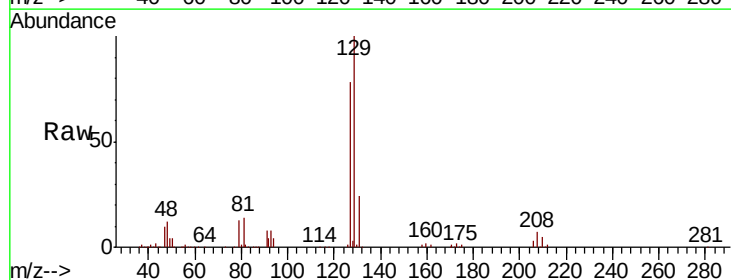
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

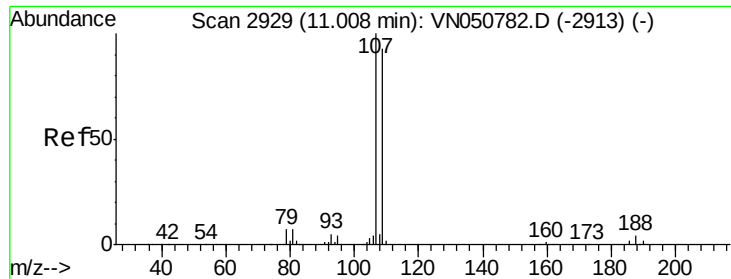
Tot Ion: 43 Resp: 884046
Ion Ratio Lower Upper
43 100
58 57.2 28.3 85.0



#60
Dibromochloromethane
Concen: 51.20 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion: 129 Resp: 381171
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9

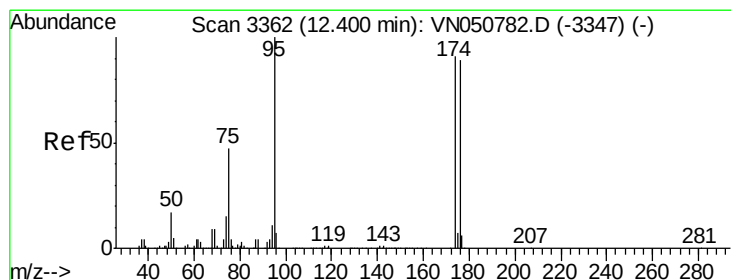
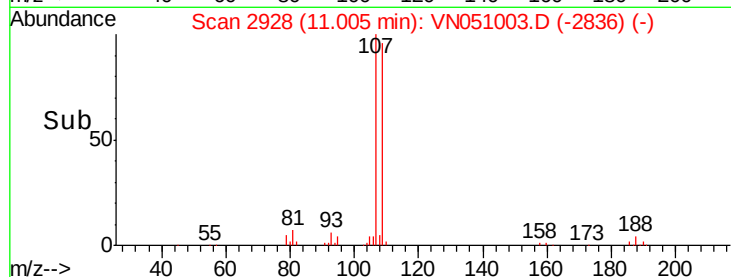
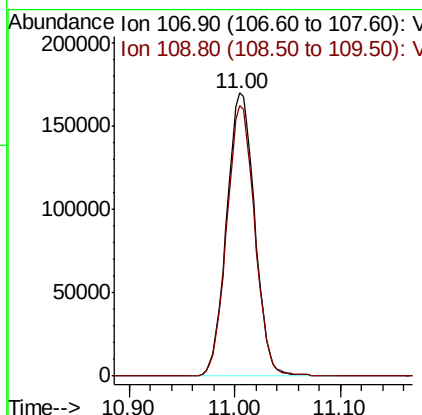
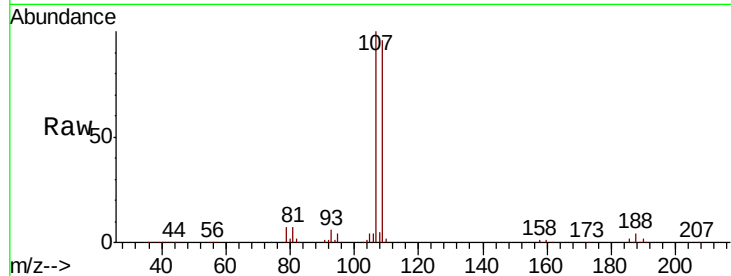




#61
 1,2-Dibromoethane
 Concen: 48.77 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

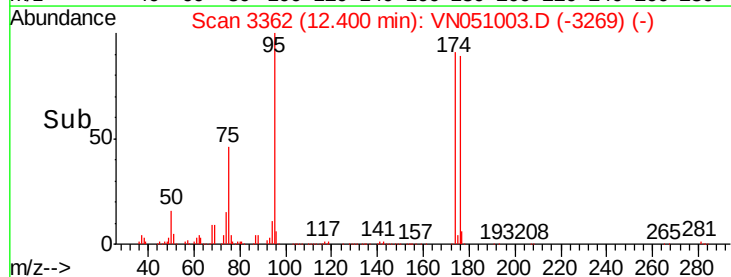
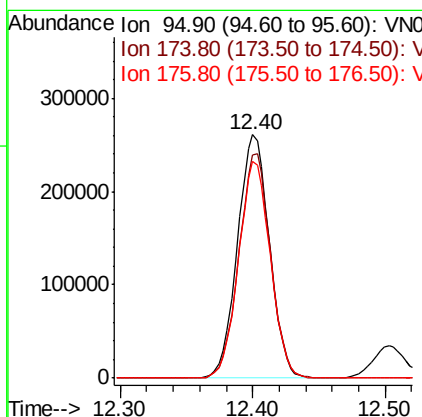
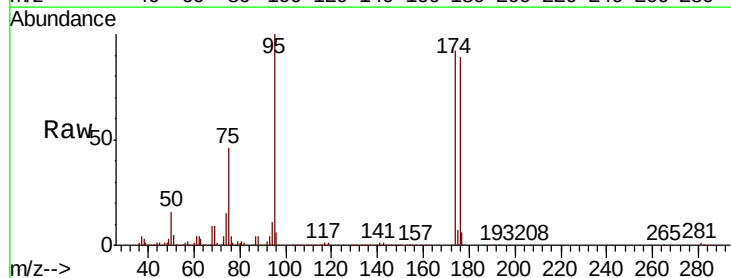
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

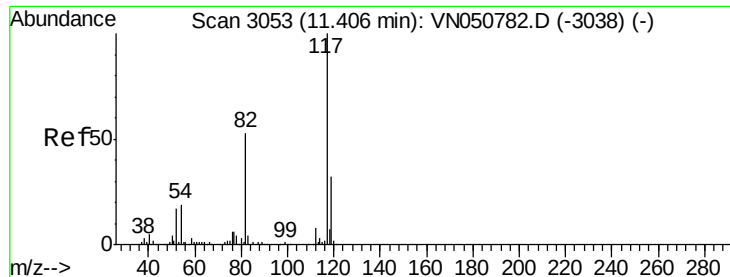
Tot Ion:107 Resp: 313581
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.85 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion: 95 Resp: 435545
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 183.0
 176 88.5 0.0 178.8

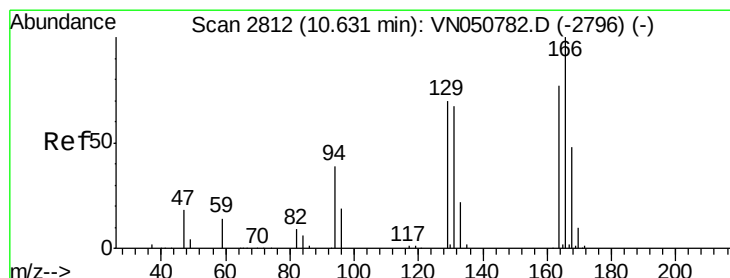
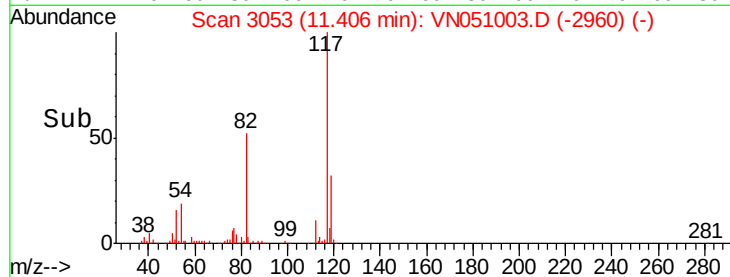
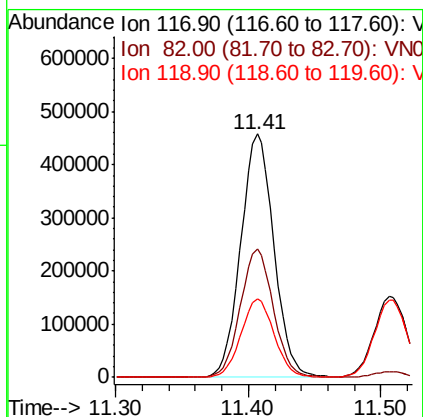
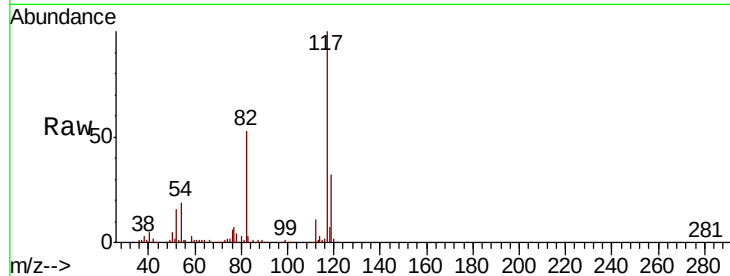




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

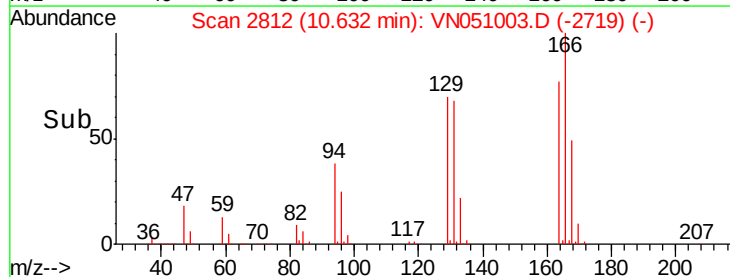
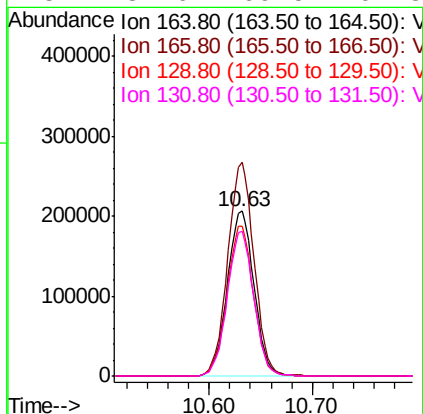
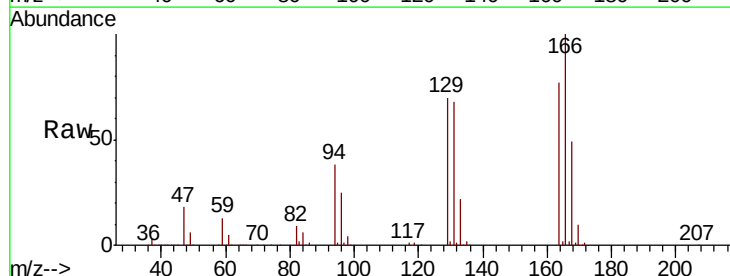
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

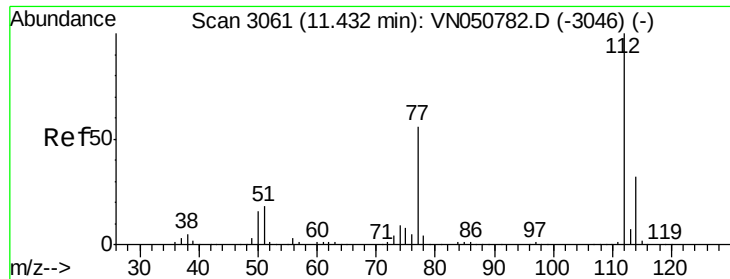
Tot Ion:117 Resp: 793590
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 49.42 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion:164 Resp: 372533
Ion Ratio Lower Upper
164 100
166 129.5 103.5 155.3
129 91.1 72.7 109.1
131 87.6 69.5 104.3





#65

Chlorobenzene

Concen: 49.87 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

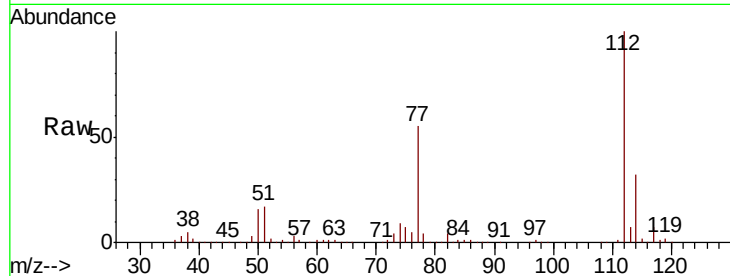
VSTDCCC050

Tot Ion:112 Resp: 1034513

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

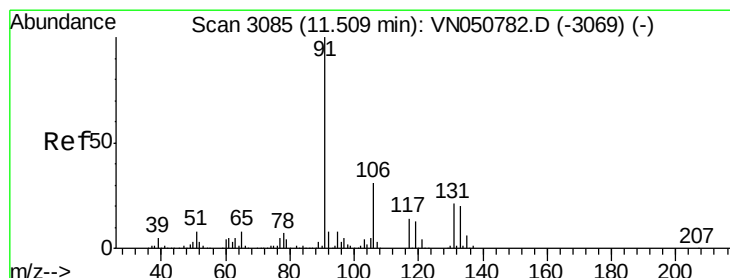
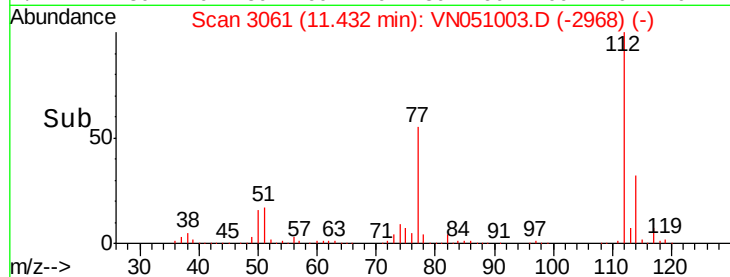
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 50.69 ug/l

RT: 11.51 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

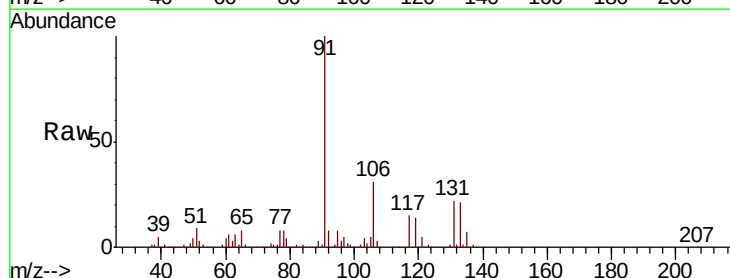
Tgt Ion:131 Resp: 384684

Ion Ratio Lower Upper

131 100

133 95.2 47.4 142.3

119 65.3 32.8 98.4



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

300000

250000

200000

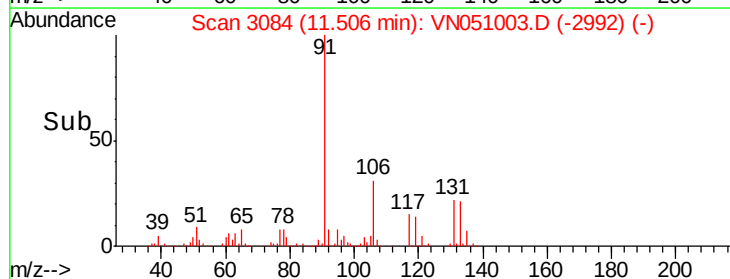
150000

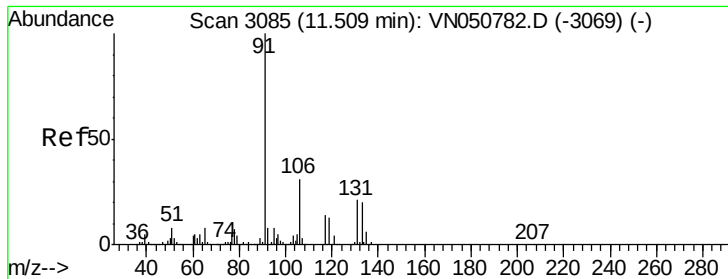
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 52.11 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

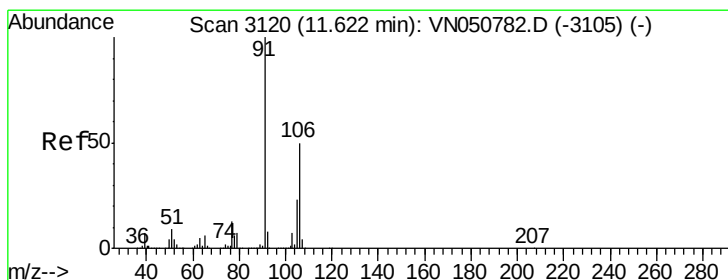
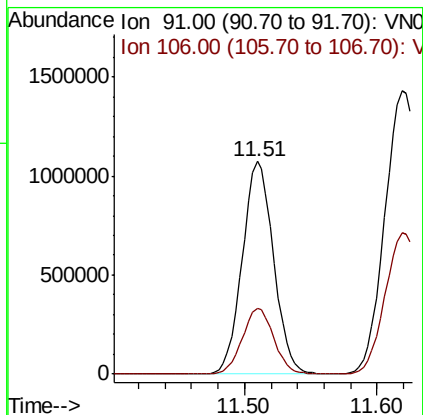
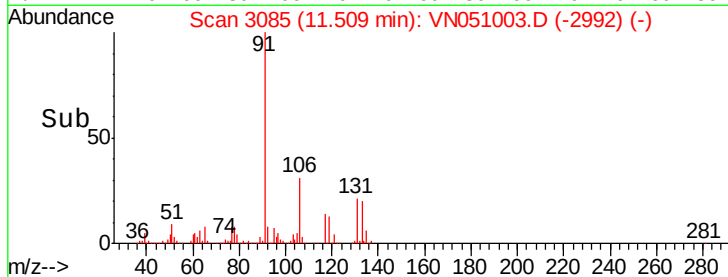
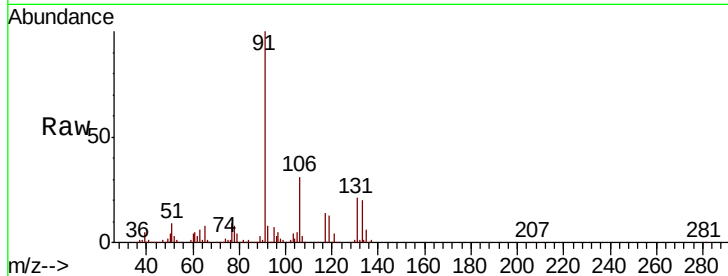
VSTDCCC050

Tot Ion: 91 Resp: 1757252

Ion Ratio Lower Upper

91 100

106 31.1 25.0 37.4



#68

m/p-Xylenes

Concen: 107.62 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN051003.D

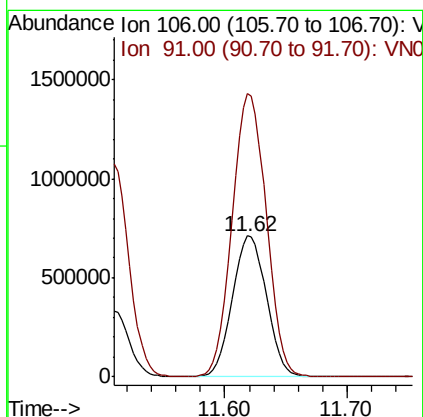
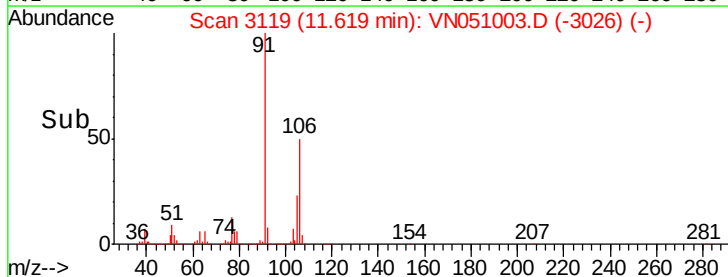
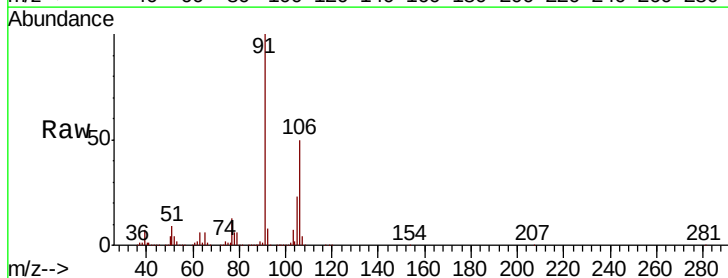
Acq: 4 Sep 2018 8:15

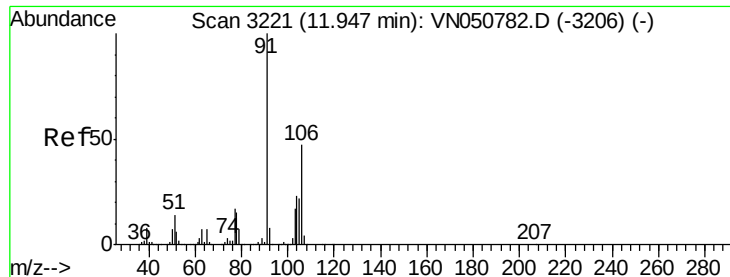
Tgt Ion: 106 Resp: 1377503

Ion Ratio Lower Upper

106 100

91 200.8 161.0 241.6

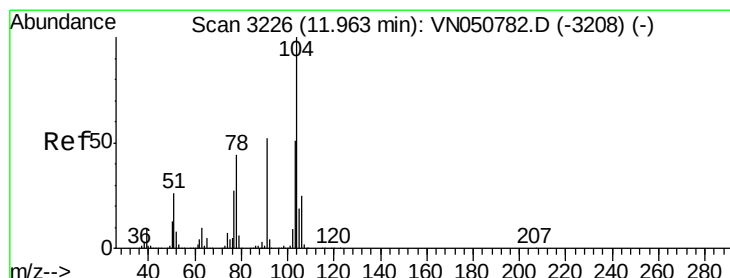
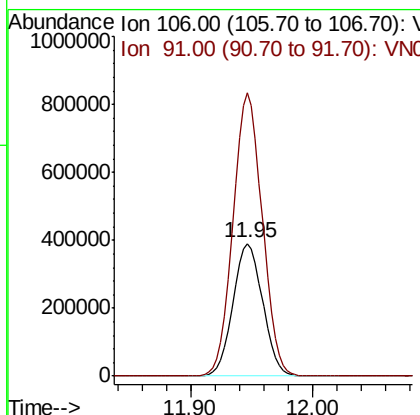
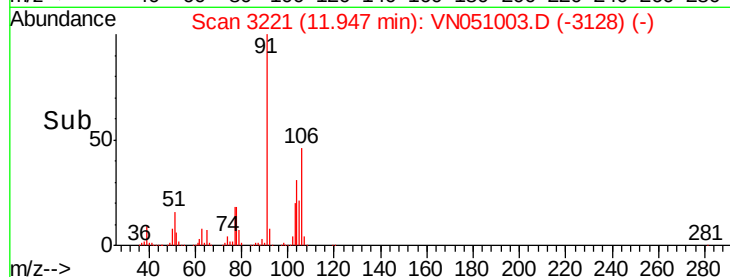
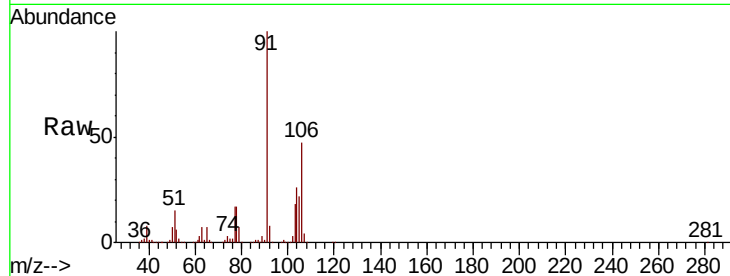




#69
o-Xylene
Concen: 53.53 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

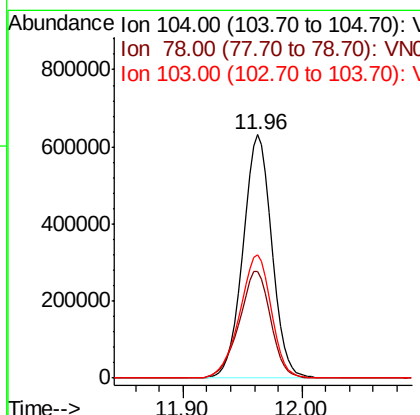
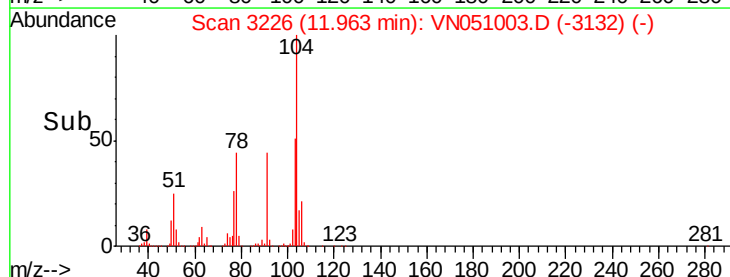
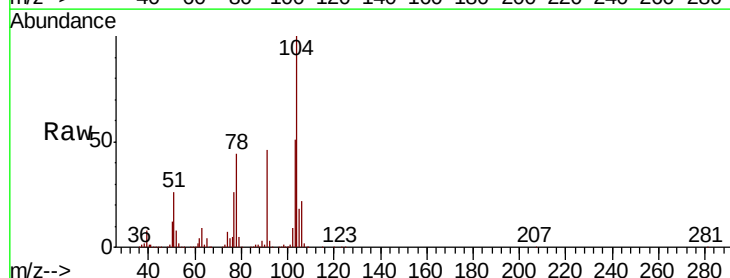
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

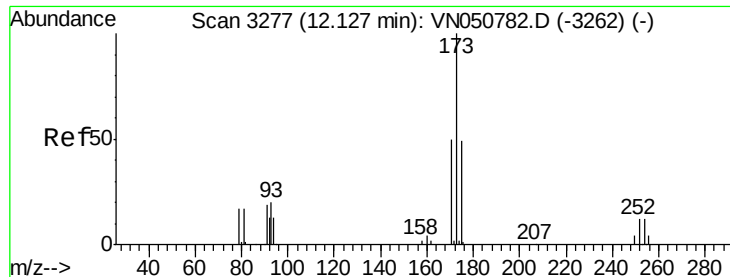
Tot Ion:106 Resp: 658709
Ion Ratio Lower Upper
106 100
91 210.5 106.5 319.5



#70
Styrene
Concen: 48.90 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN051003.D
Acq: 4 Sep 2018 8:15

Tgt Ion:104 Resp: 1059837
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.4
103 55.5 44.4 66.6





#71

Bromoform

Concen: 50.10 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

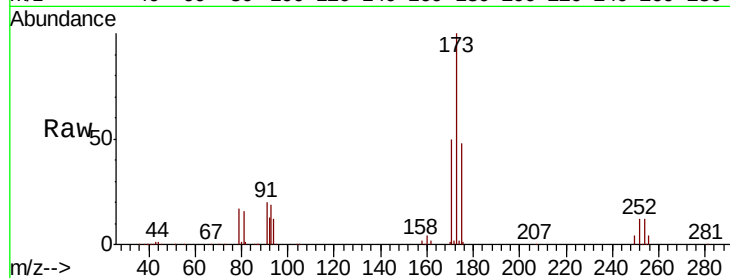
Tot Ion:173 Resp: 261458

Ion Ratio Lower Upper

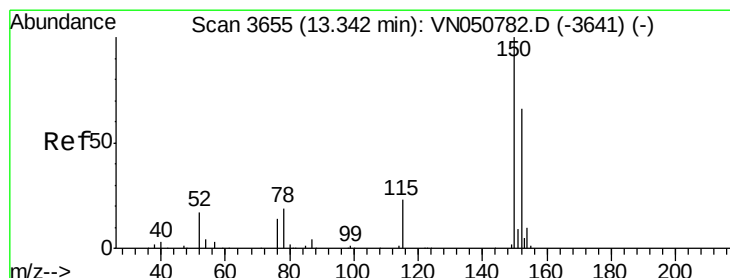
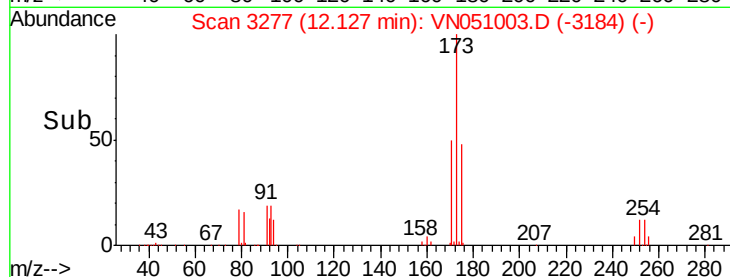
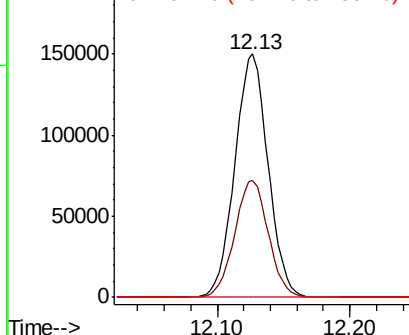
173 100

175 48.5 24.4 73.4

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3655

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

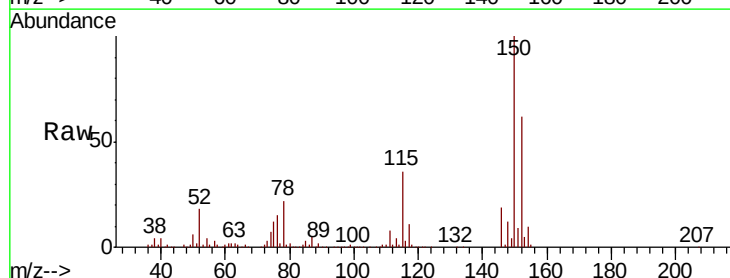
Tgt Ion:152 Resp: 415144

Ion Ratio Lower Upper

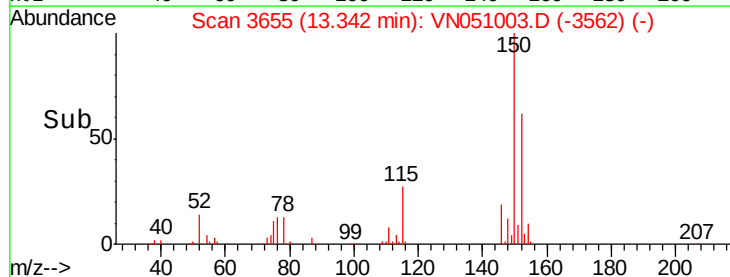
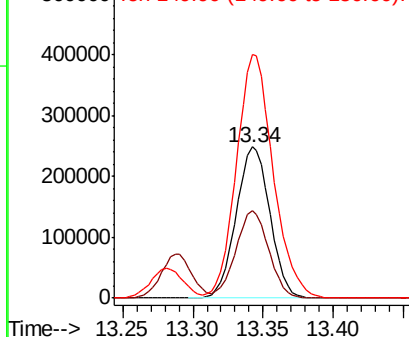
152 100

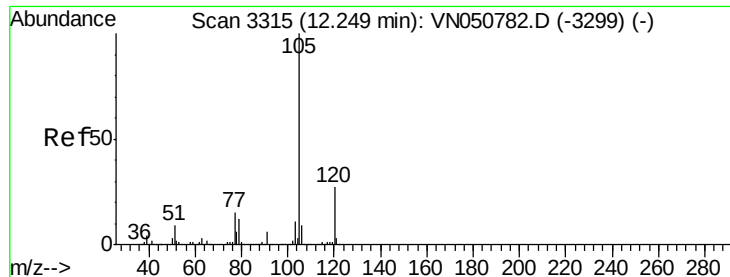
115 56.3 27.8 83.4

150 175.6 0.0 351.4



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





#73

Isopropylbenzene

Concen: 51.18 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

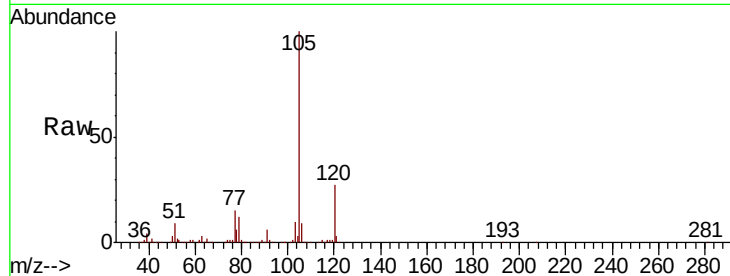
VSTDCCC050

Tot Ion:105 Resp: 1759285

Ion Ratio Lower Upper

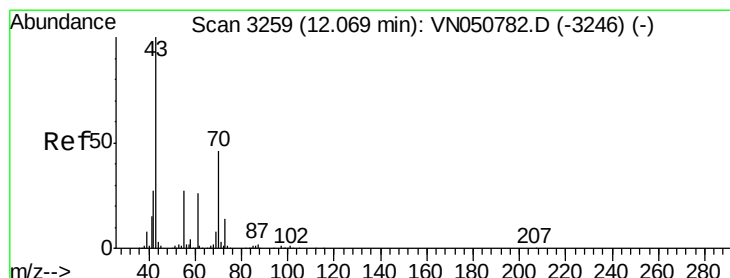
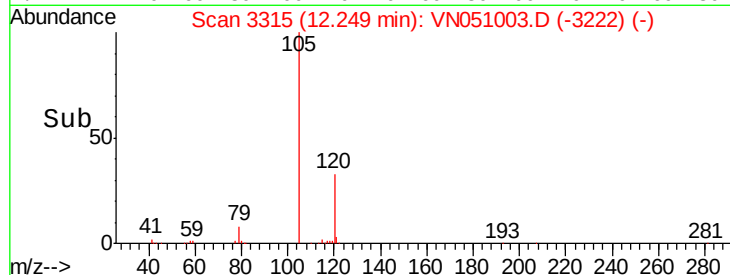
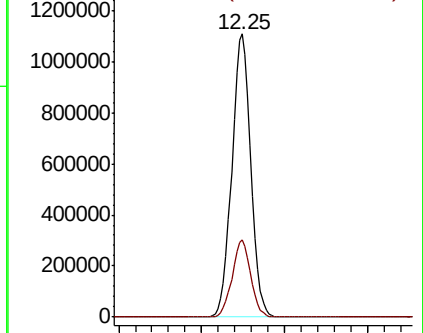
105 100

120 26.9 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: 44.00 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Tgt Ion: 43 Resp: 380026

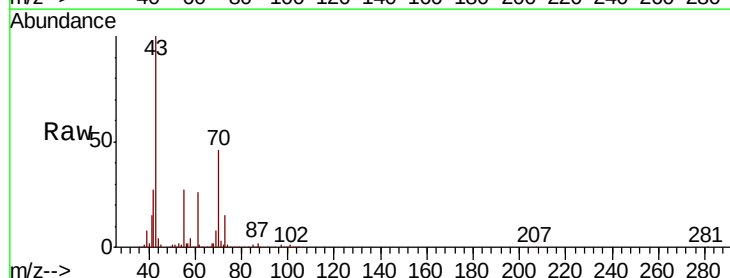
Ion Ratio Lower Upper

43 100

70 45.6 36.2 54.2

55 27.1 21.8 32.8

61 26.4 20.5 30.7

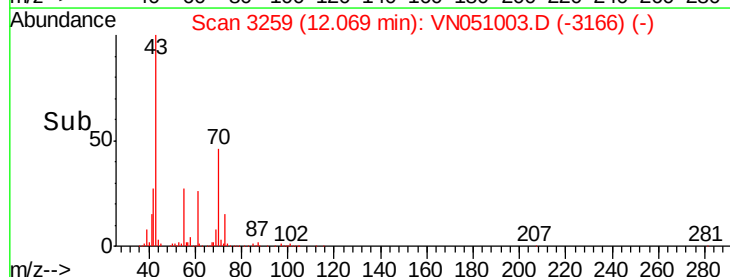
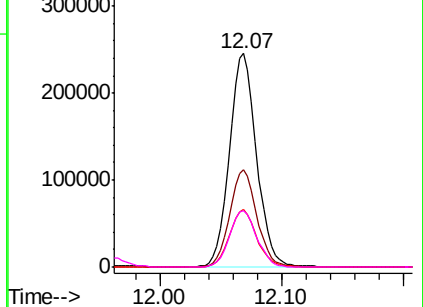


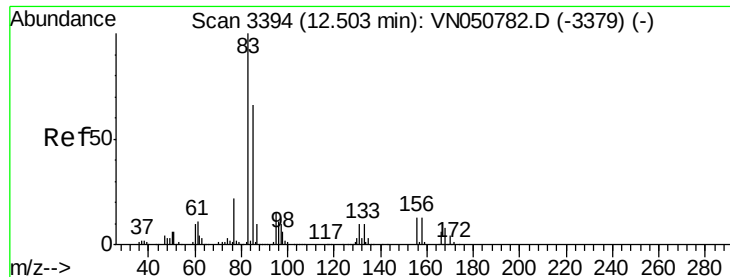
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.24 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

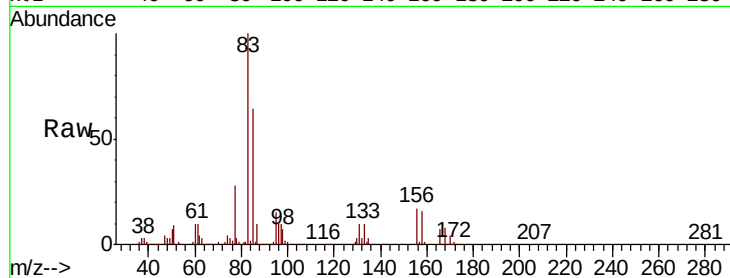
Tot Ion: 83 Resp: 395801

Ion Ratio Lower Upper

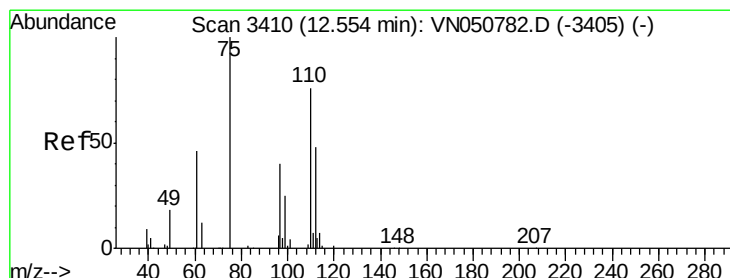
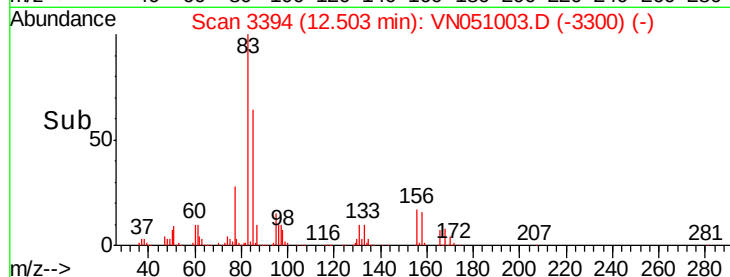
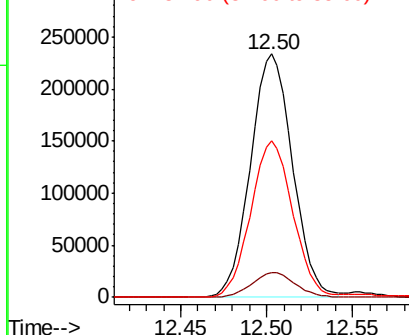
83 100

131 10.6 5.3 15.9

85 64.1 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 64.59 ug/l

RT: 12.55 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN051003.D

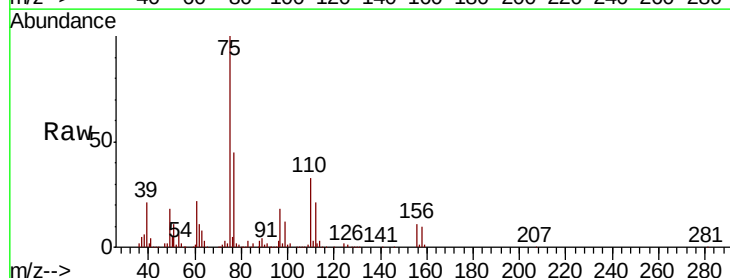
Acq: 4 Sep 2018 8:15

Tgt Ion: 75 Resp: 469638

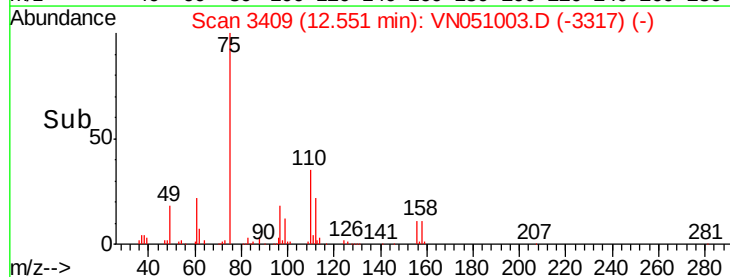
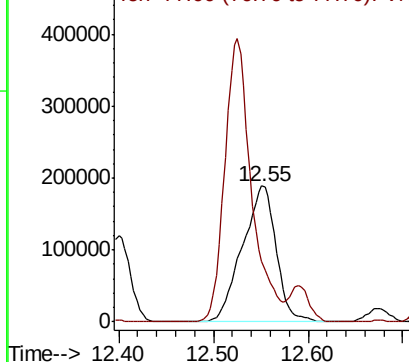
Ion Ratio Lower Upper

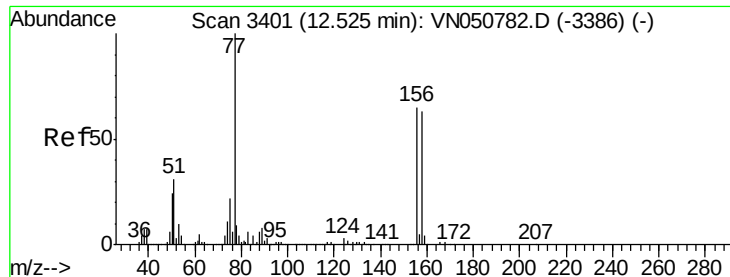
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.05 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

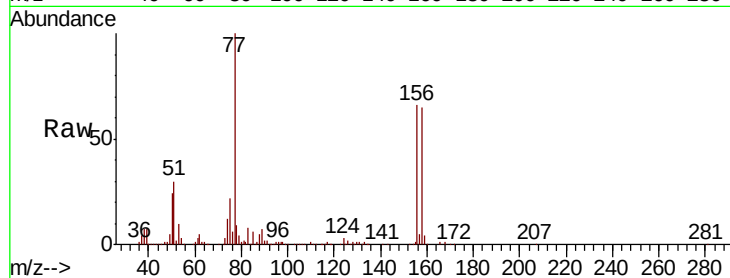
Tot Ion:156 Resp: 448911

Ion Ratio Lower Upper

156 100

77 173.3 89.9 269.7

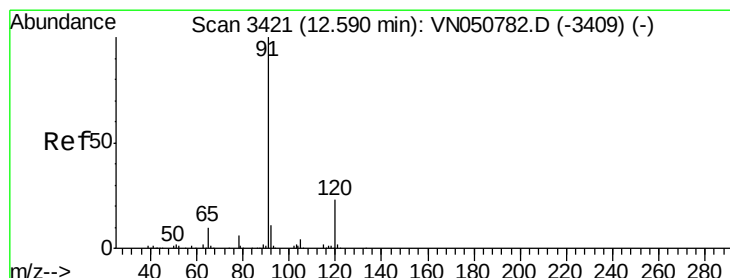
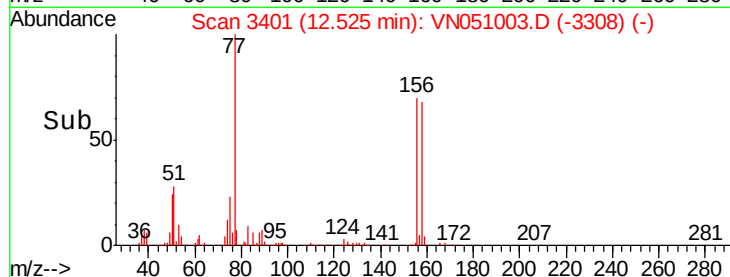
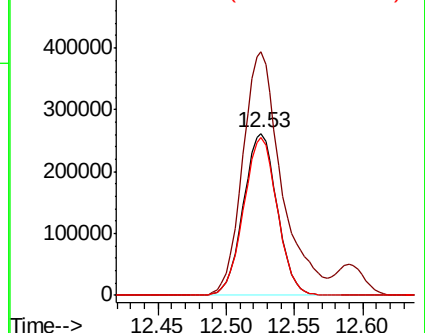
158 97.1 49.3 147.9



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: 52.48 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051003.D

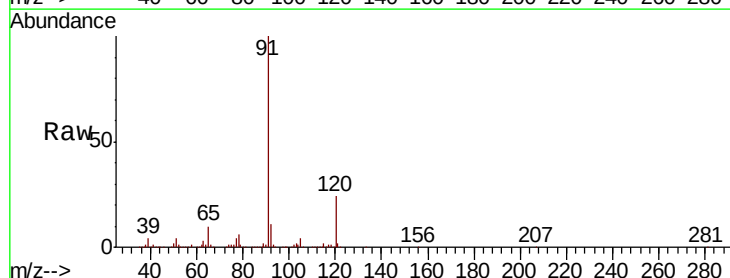
Acq: 4 Sep 2018 8:15

Tgt Ion: 91 Resp: 2015362

Ion Ratio Lower Upper

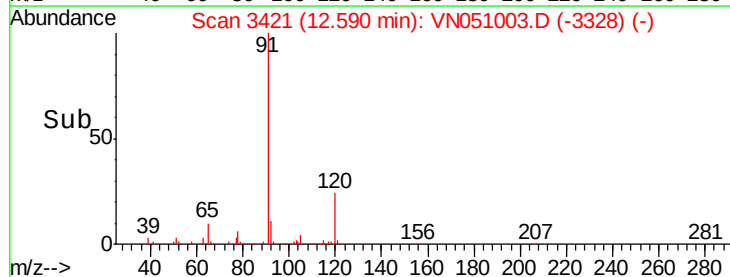
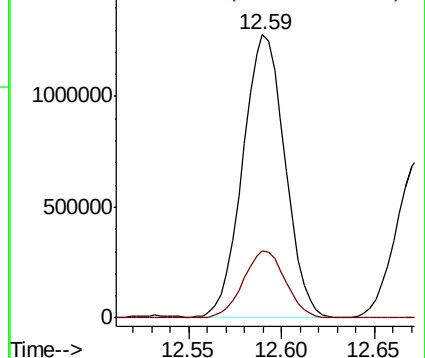
91 100

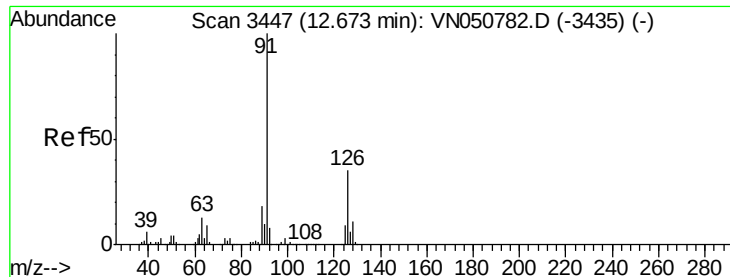
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.76 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

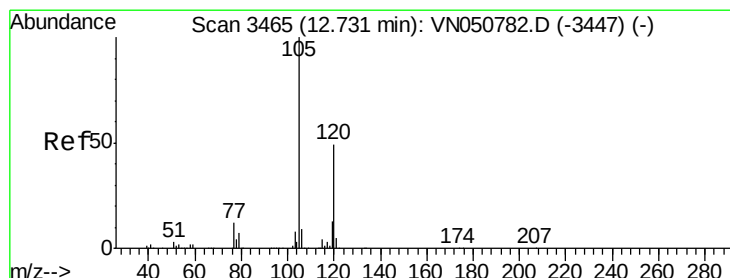
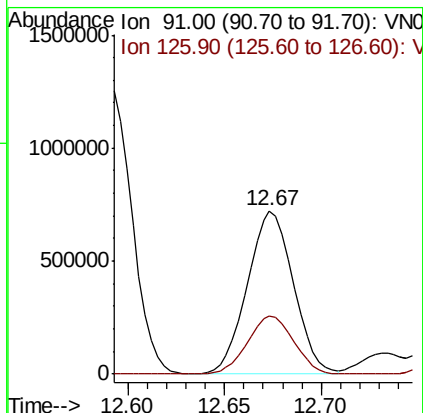
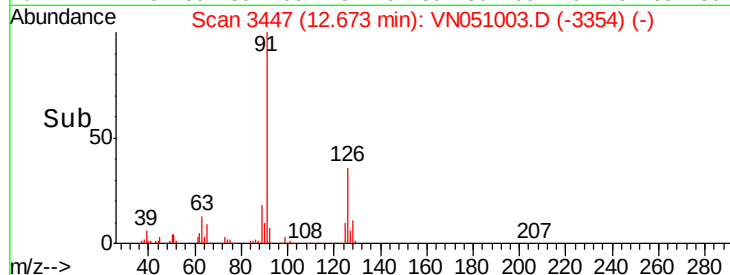
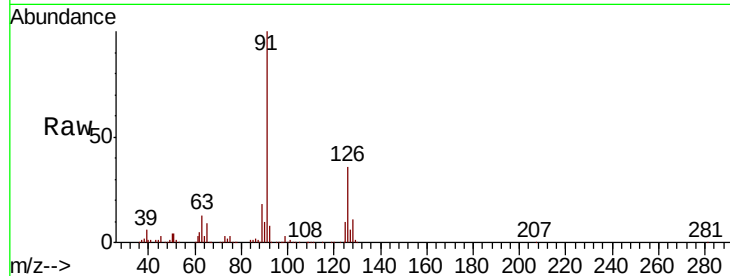
VSTDCCC050

Tot Ion: 91 Resp: 1190157

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 52.63 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN051003.D

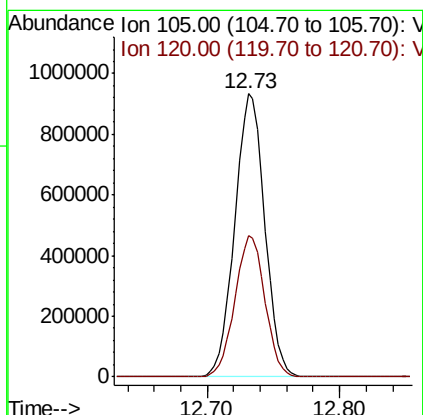
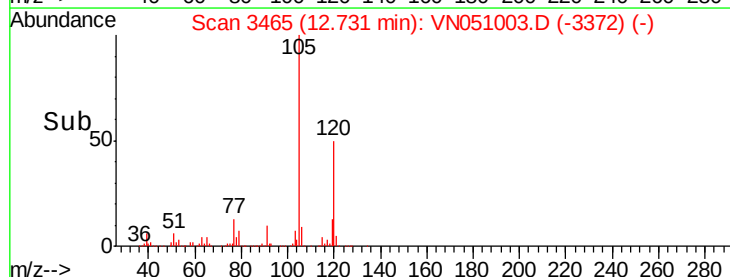
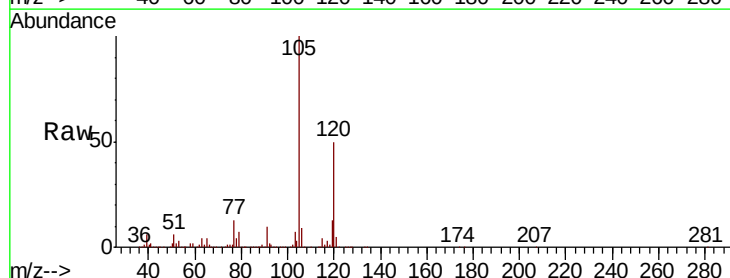
Acq: 4 Sep 2018 8:15

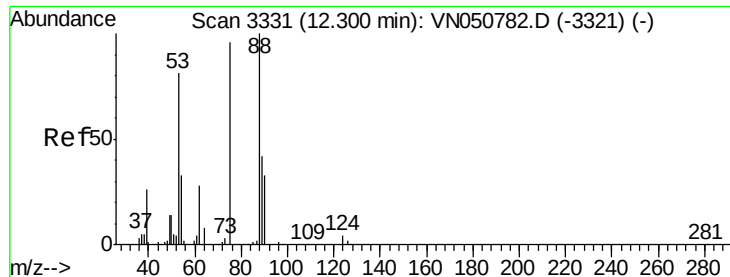
Tgt Ion: 105 Resp: 1459776

Ion Ratio Lower Upper

105 100

120 50.1 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.92 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

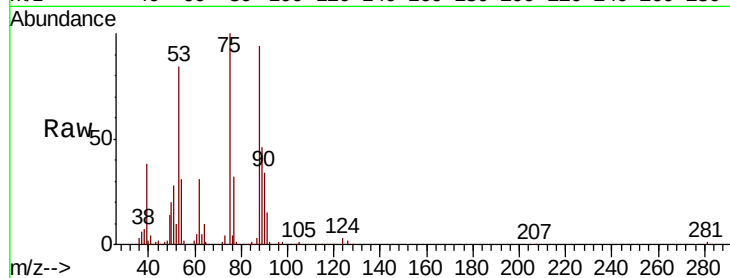
Tot Ion: 75 Resp: 96626

Ion Ratio Lower Upper

75 100

53 87.9 68.9 103.3

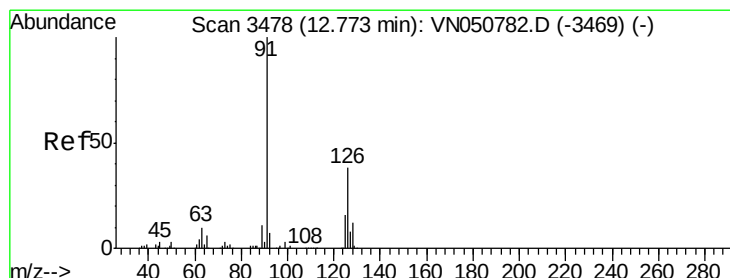
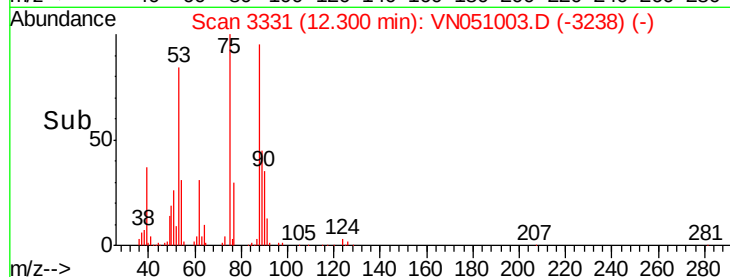
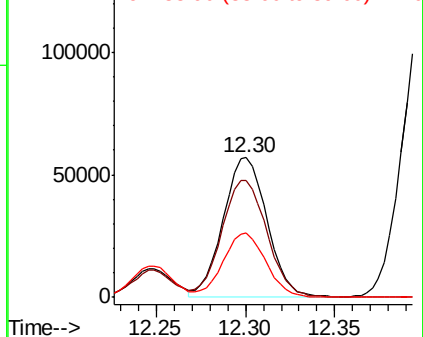
89 45.7 36.1 54.1



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: 50.70 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN051003.D

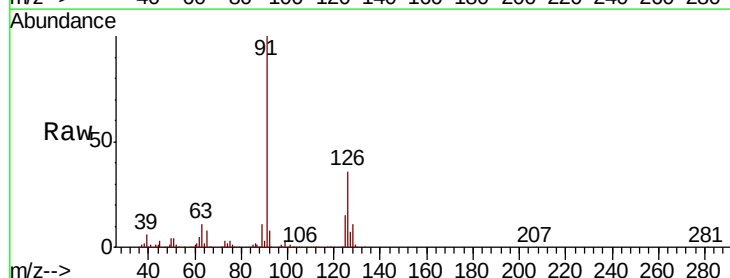
Acq: 4 Sep 2018 8:15

Tgt Ion: 91 Resp: 1197243

Ion Ratio Lower Upper

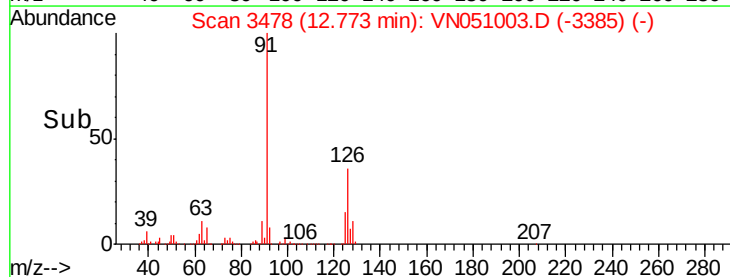
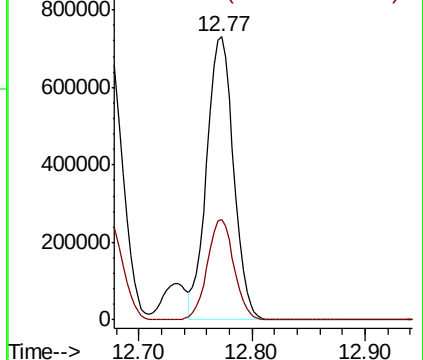
91 100

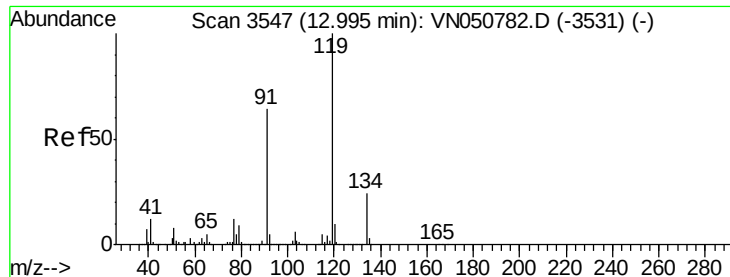
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

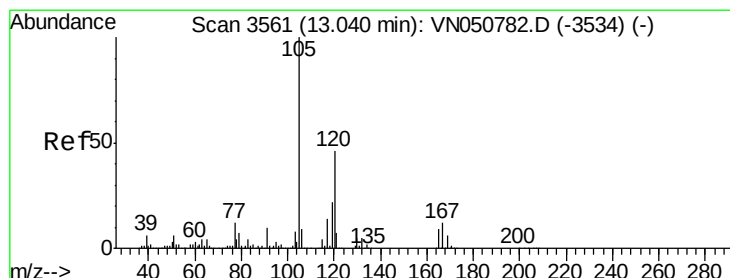
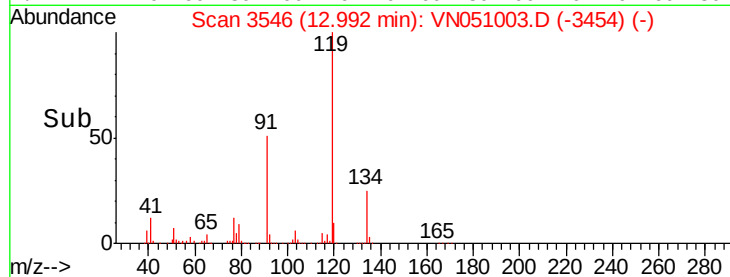
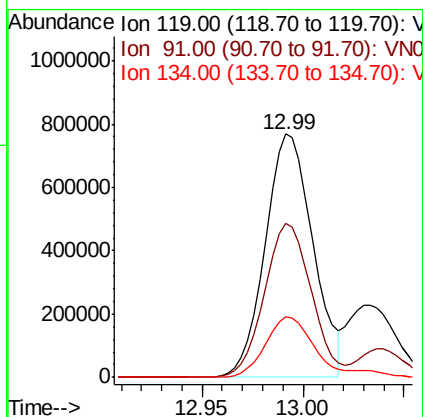
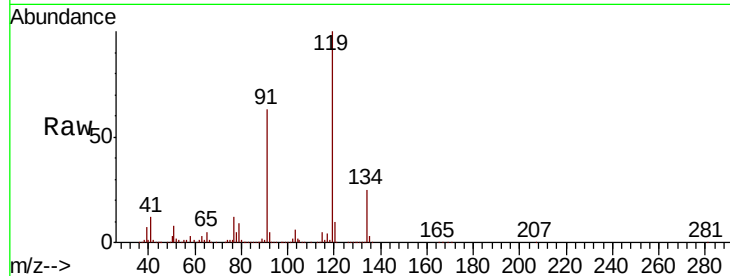




#83
 tert-Butylbenzene
 Concen: 52.68 ug/l
 RT: 12.99 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

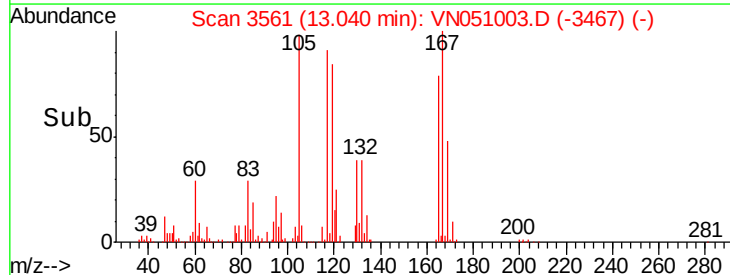
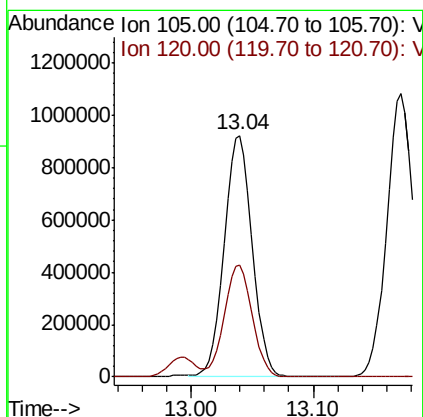
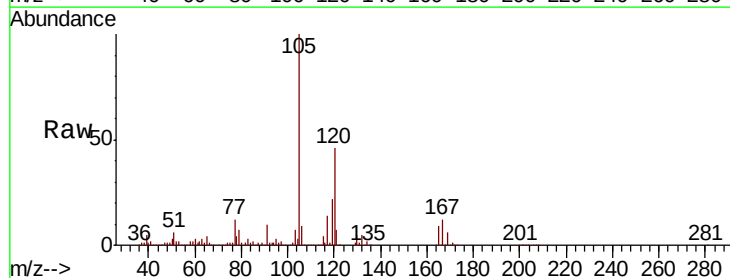
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

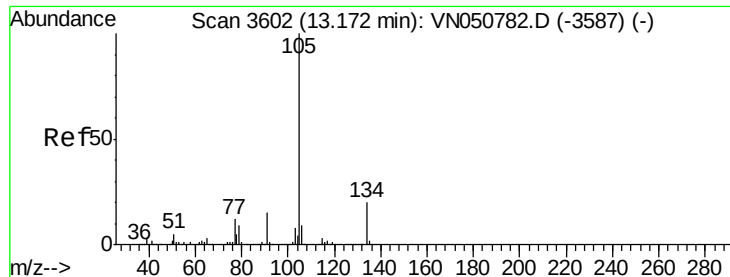
Tot Ion:119 Resp: 1265532
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.6 94.7
 134 26.9 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 53.11 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion:105 Resp: 1481856
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 53.58 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

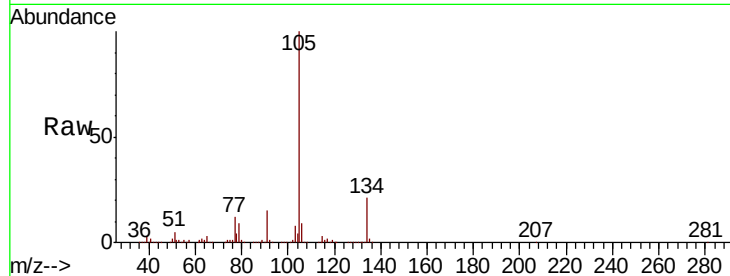
VSTDCCC050

Tot Ion:105 Resp: 1686434

Ion Ratio Lower Upper

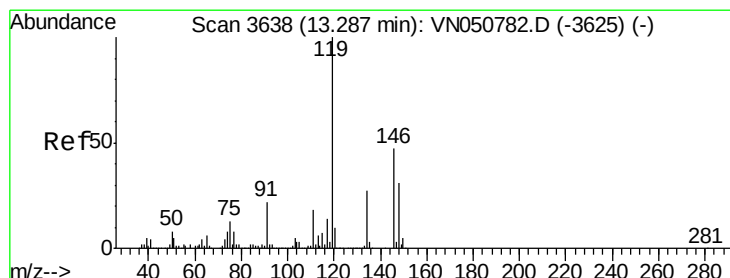
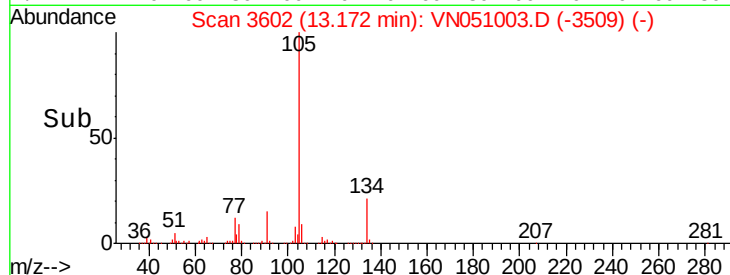
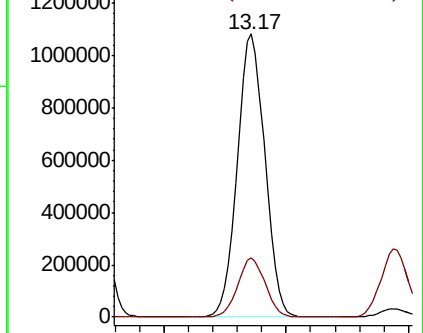
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.04 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

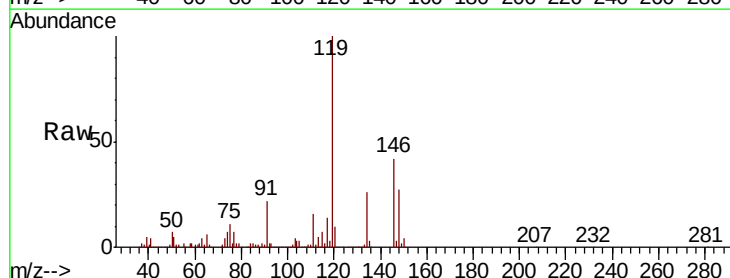
Tgt Ion:119 Resp: 1503163

Ion Ratio Lower Upper

119 100

134 26.6 13.7 41.0

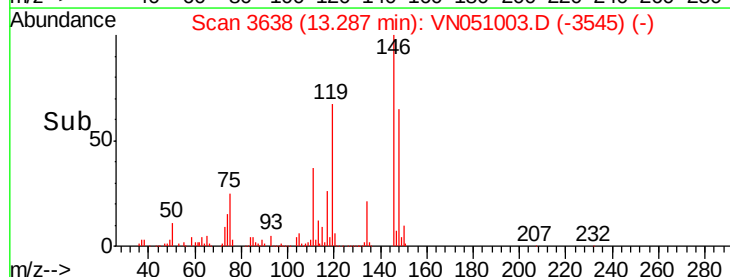
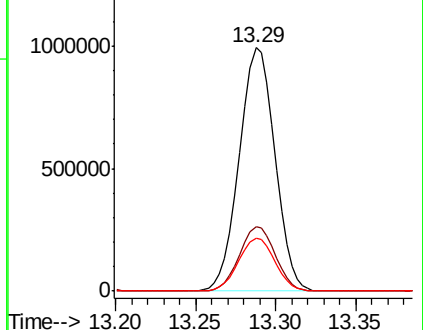
91 21.9 11.2 33.5

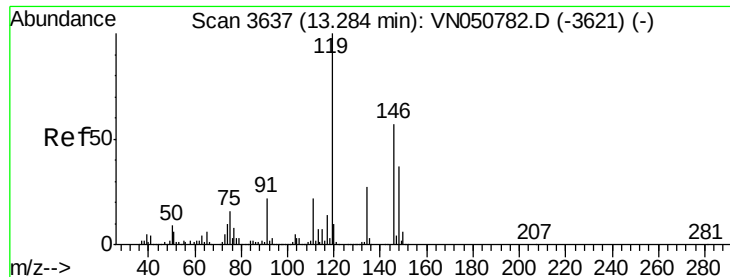


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

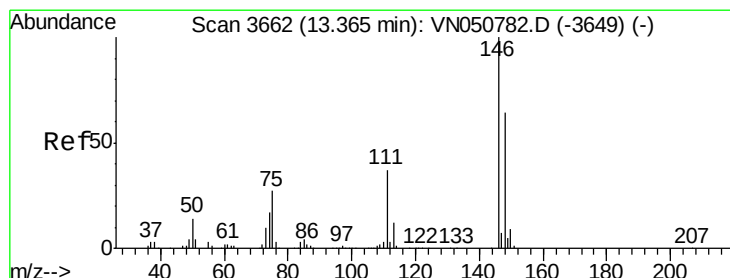
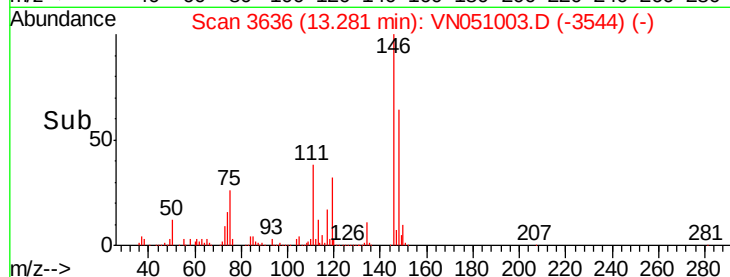
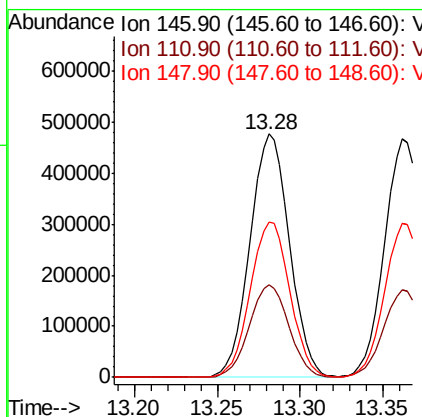
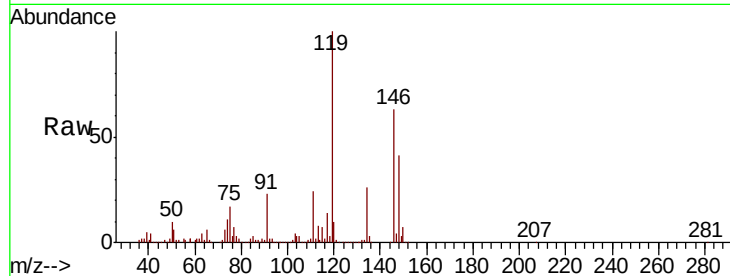




#87
 1,3-Dichlorobenzene
 Concen: 50.01 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

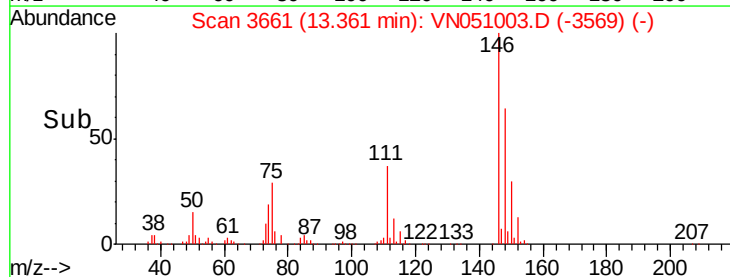
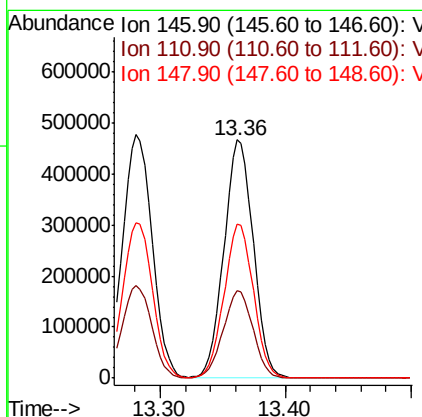
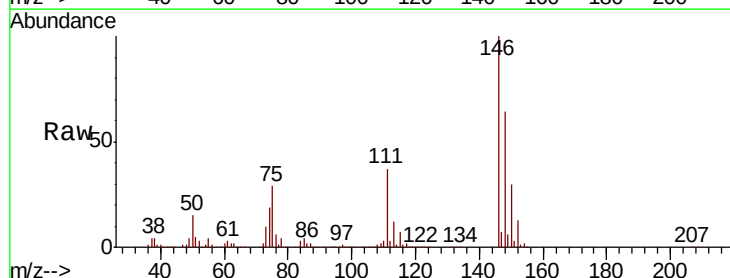
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

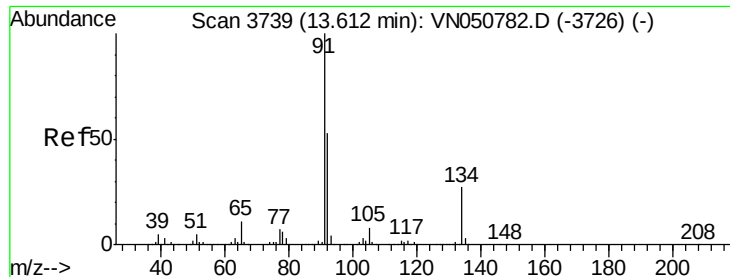
Tot Ion:146 Resp: 792902
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.3
 148 64.1 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.82 ug/l
 RT: 13.36 min Scan# 3661
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion:146 Resp: 761789
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.3
 148 64.7 32.2 96.6





#89

n-Butylbenzene

Concen: 55.83 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

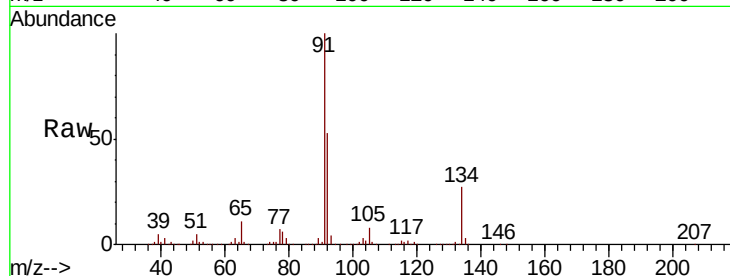
Tot Ion: 91 Resp: 1197652

Ion Ratio Lower Upper

91 100

92 52.0 26.1 78.2

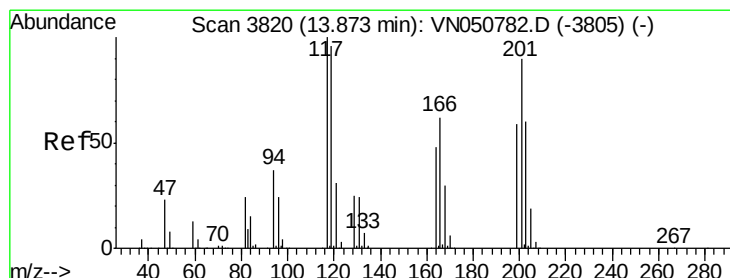
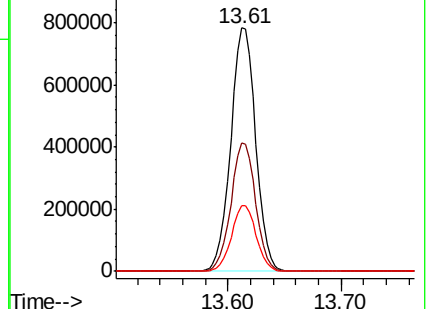
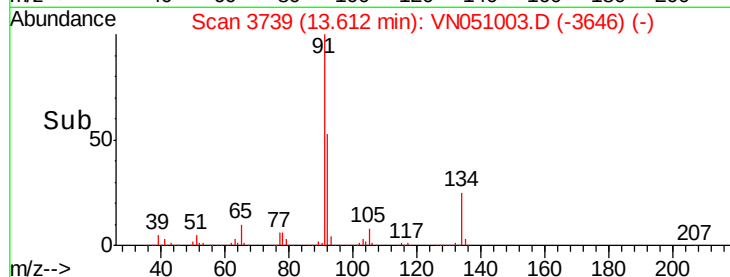
134 26.9 13.2 39.6



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050782.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3726) (-)



#90

Hexachloroethane

Concen: 49.88 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. 0.00 min

Lab File: VN051003.D

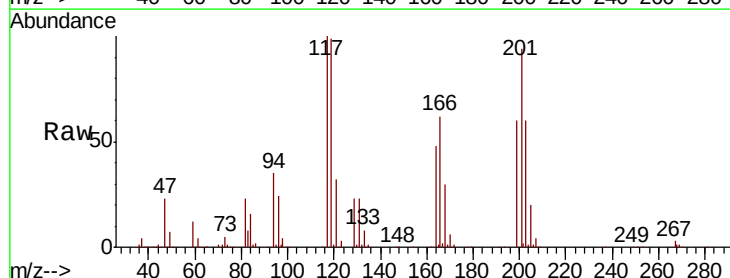
Acq: 4 Sep 2018 8:15

Tgt Ion: 117 Resp: 254944

Ion Ratio Lower Upper

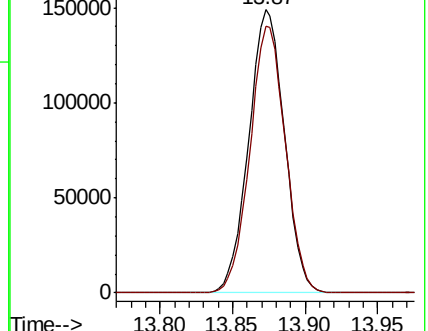
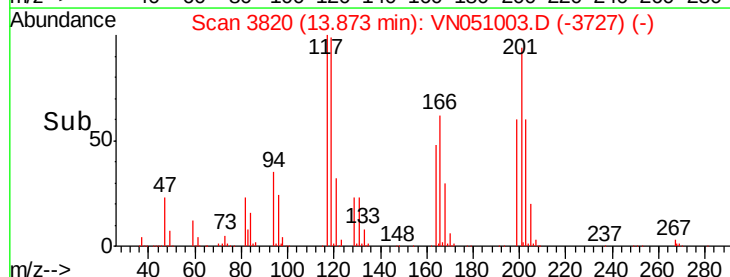
117 100

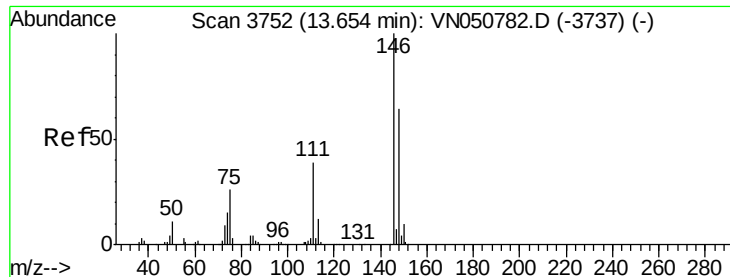
201 93.6 46.0 137.8



Abundance Ion 116.80 (116.50 to 117.50): VN050782.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN050782.D (-3805) (-)

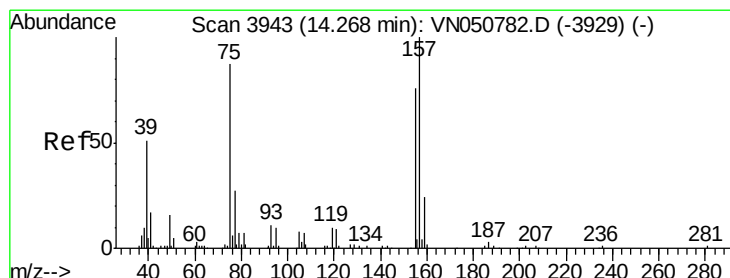
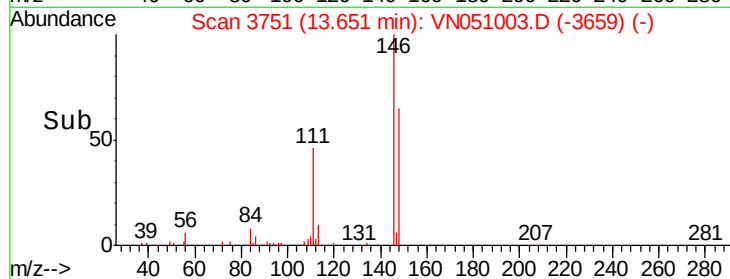
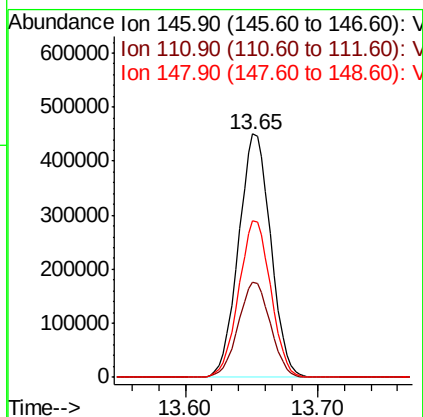
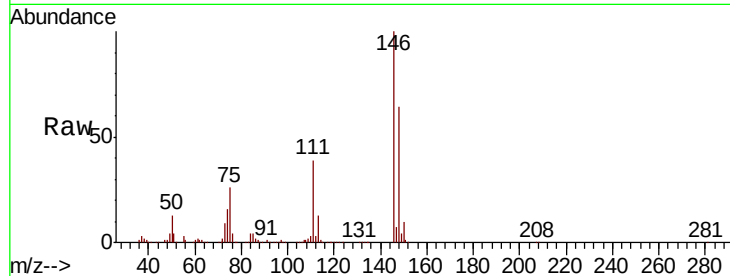




#91
 1,2-Dichlorobenzene
 Concen: 49.44 ug/l
 RT: 13.65 min Scan# 3751
 Delta R.T. -0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

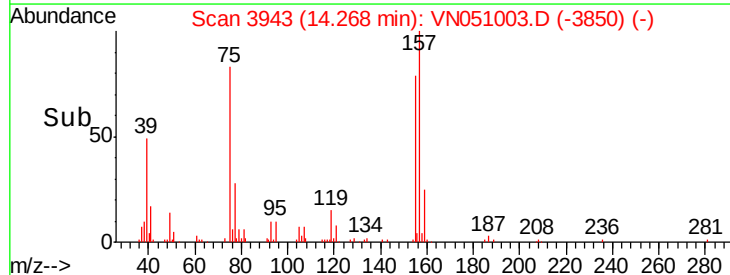
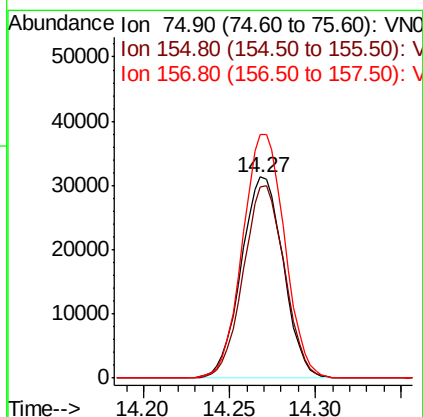
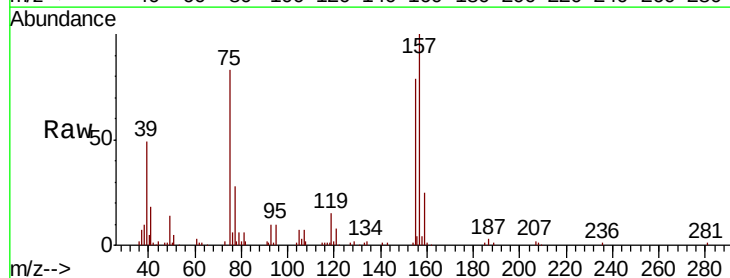
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

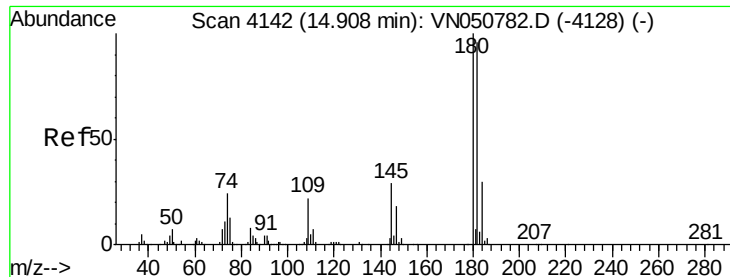
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.1	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.98 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.8	46.4	139.1
157	121.4	60.7	182.0

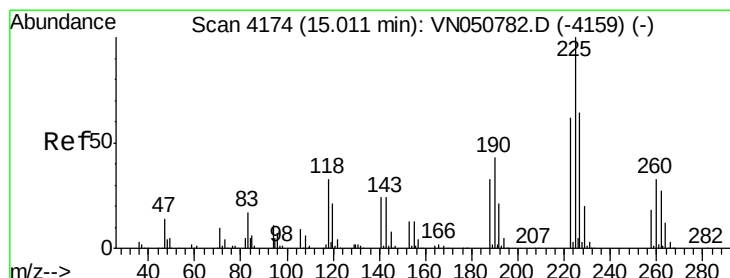
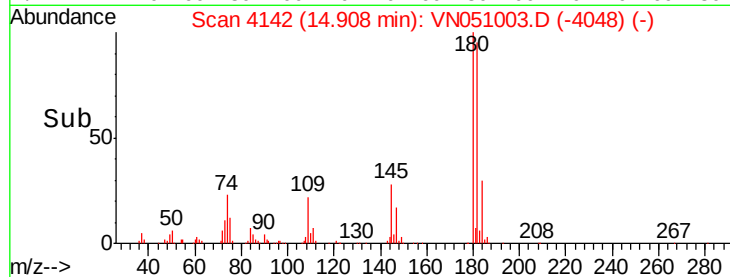
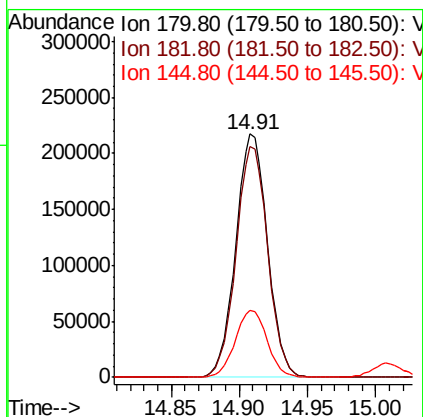
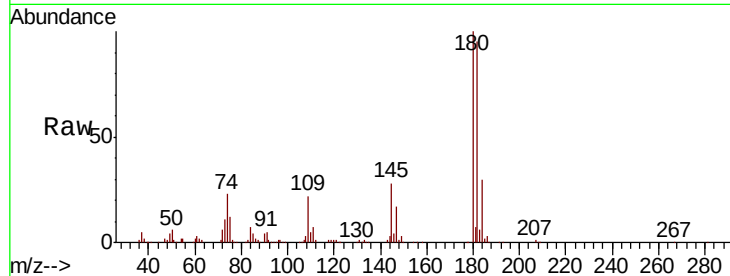




#93
 1,2,4-Trichlorobenzene
 Concen: 44.55 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

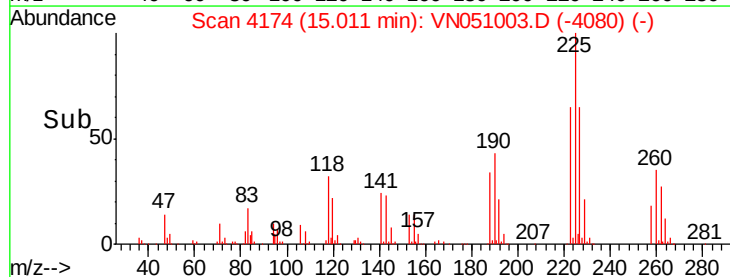
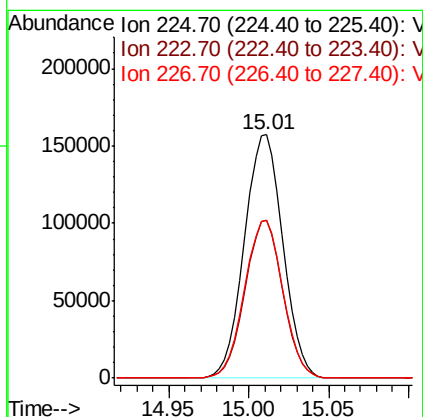
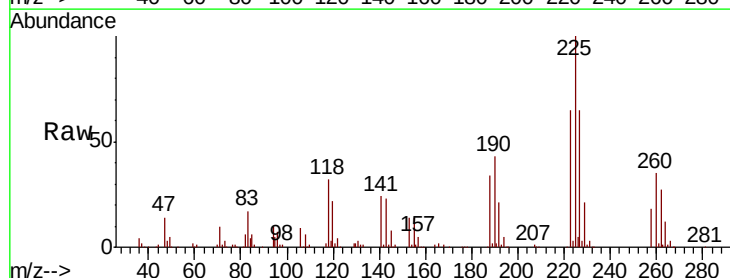
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

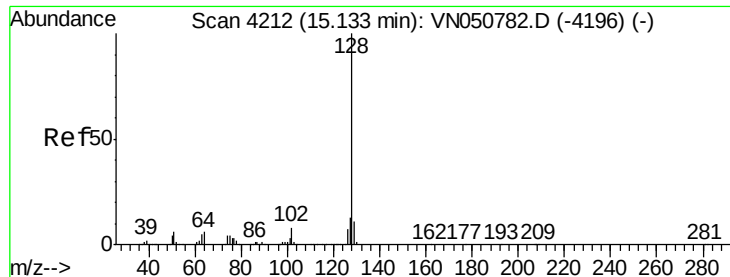
Tot Ion:180 Resp: 350631
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.2 144.6
 145 27.7 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 57.07 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051003.D
 Acq: 4 Sep 2018 8:15

Tgt Ion:225 Resp: 258052
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.3 93.8
 227 64.6 32.0 96.2





#95

Naphthalene

Concen: 38.56 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

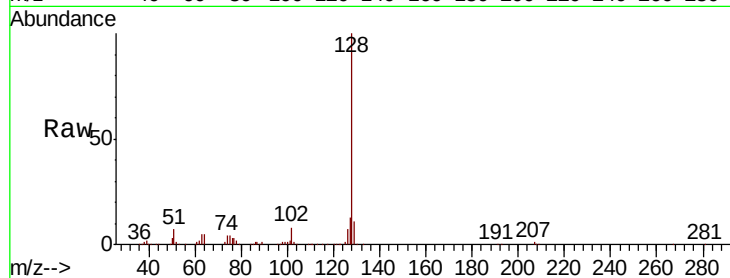
Tot Ion:128 Resp: 616629

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

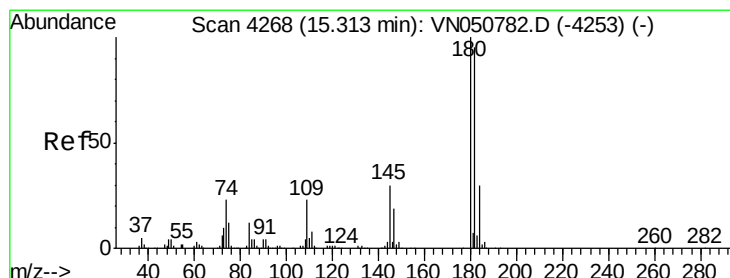
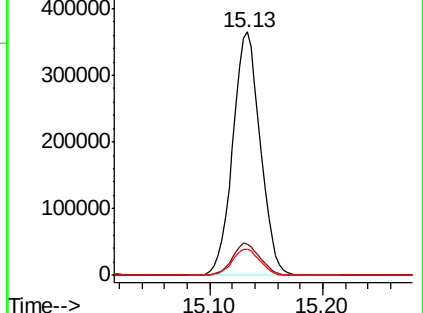
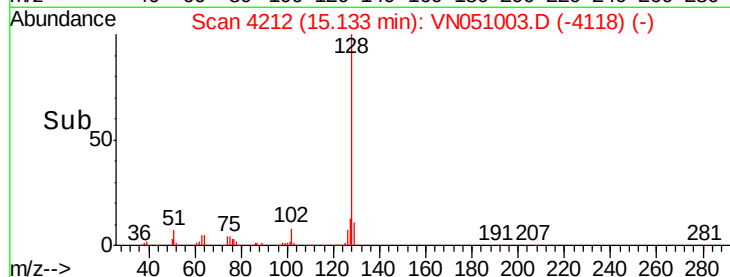
129 10.9 8.7 13.1



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: 45.01 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN051003.D

Acq: 4 Sep 2018 8:15

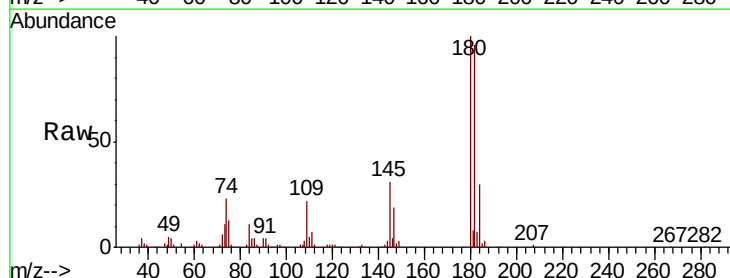
Tgt Ion:180 Resp: 333124

Ion Ratio Lower Upper

180 100

182 96.2 48.0 144.2

145 29.8 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

