

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050977.D
 Acq On : 31 Aug 2018 10:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 31 14:14:49 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	605464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	825115	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	758549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	394176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	341815	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.59	113	335266	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.09	98	1268018	51.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.34%	
62) 4-Bromofluorobenzene	12.40	95	423148	51.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	382688	47.23	ug/l	100
3) Chloromethane	2.06	50	421270	42.15	ug/l	99
4) Vinyl Chloride	2.18	62	422604	44.64	ug/l	99
5) Bromomethane	2.56	94	253021	46.96	ug/l	98
6) Chloroethane	2.70	64	248973	45.52	ug/l	98
7) Trichlorofluoromethane	3.01	101	569295	46.96	ug/l	98
8) Diethyl Ether	3.41	74	188449	45.72	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	363204	47.96	ug/l	99
10) Methyl Iodide	3.95	142	296654	45.31	ug/l	99
11) Tert butyl alcohol	4.78	59	96473	207.85	ug/l	100
12) 1,1-Dichloroethene	3.74	96	311730	45.84	ug/l	98
13) Acrolein	3.61	56	39927	154.67	ug/l	100
14) Allyl chloride	4.32	41	489437	46.19	ug/l	99
15) Acrylonitrile	4.99	53	536649	227.51	ug/l	100
16) Acetone	3.81	43	481379	279.73	ug/l	98
17) Carbon Disulfide	4.05	76	911944	40.00	ug/l	100
18) Methyl Acetate	4.33	43	341898	49.67	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	824125	48.18	ug/l	99
20) Methylene Chloride	4.55	84	364956	44.43	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	337626	45.90	ug/l	99
22) Diisopropyl ether	5.95	45	1044033	49.44	ug/l	98
23) Vinyl Acetate	5.90	43	3100744	228.00	ug/l	99
24) 1,1-Dichloroethane	5.85	63	626914	46.24	ug/l	100
25) 2-Butanone	6.84	43	631518	214.99	ug/l	99
26) 2,2-Dichloropropane	6.82	77	510494	46.86	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	378913	47.79	ug/l	99
28) Bromochloromethane	7.19	49	286030	49.65	ug/l	98
29) Tetrahydrofuran	7.21	42	383463	227.69	ug/l	99
30) Chloroform	7.37	83	634244	47.24	ug/l	99
31) Cyclohexane	7.65	56	554554	45.05	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	540564	46.88	ug/l	99
36) 1,1-Dichloropropene	7.79	75	489293	50.25	ug/l	100
37) Ethyl Acetate	6.93	43	250632	44.81	ug/l	100
38) Carbon Tetrachloride	7.77	117	484100	49.19	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	541392	51.40	ug/l	99
40) Benzene	8.04	78	1468537	50.02	ug/l	100
41) Methacrylonitrile	7.17	41	145671	48.13	ug/l	98
42) 1,2-Dichloroethane	8.12	62	425874	48.51	ug/l	99
43) Isopropyl Acetate	8.17	43	463806	48.23	ug/l #	88
44) Trichloroethene	8.83	130	383896	49.58	ug/l	98
45) 1,2-Dichloropropane	9.12	63	384628	49.84	ug/l	98
46) Dibromomethane	9.21	93	222331	49.04	ug/l	99
47) Bromodichloromethane	9.40	83	482233	50.78	ug/l	99
48) Methyl methacrylate	9.20	41	233418	47.63	ug/l	98
49) 1,4-Dioxane	9.20	88	63587	951.73	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1308489	228.01	ug/l	100
52) Toluene	10.16	92	908791	52.25	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	471468	49.88	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	558469	51.59	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	322162	49.90	ug/l	98
56) Ethyl methacrylate	10.43	69	373359	44.72	ug/l	99
57) 1,3-Dichloropropane	10.71	76	534863	50.20	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	780696	214.85	ug/l	100
59) 2-Hexanone	10.75	43	898742	235.25	ug/l	99
60) Dibromochloromethane	10.90	129	369789	51.16	ug/l	99
61) 1,2-Dibromoethane	11.00	107	310384	49.72	ug/l	100
64) Tetrachloroethene	10.63	164	352341	48.90	ug/l	99
65) Chlorobenzene	11.43	112	995354	50.20	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	373840	51.53	ug/l	100
67) Ethyl Benzene	11.51	91	1687806	52.36	ug/l	100
68) m/p-Xylenes	11.62	106	1330337	108.73	ug/l	100
69) o-Xylene	11.95	106	631242	53.67	ug/l	100
70) Styrene	11.96	104	1018963	49.18	ug/l	100
71) Bromoform	12.13	173	256585	51.43	ug/l #	100
73) Isopropylbenzene	12.25	105	1686716	51.68	ug/l	99
74) N-amyl acetate	12.07	43	372753	45.45	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	387442	49.78	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	457513	66.27	ug/l #	100
77) Bromobenzene	12.53	156	429961	48.47	ug/l	97
78) n-propylbenzene	12.59	91	1941692	53.25	ug/l	99
79) 2-Chlorotoluene	12.67	91	1137044	50.07	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1403914	53.31	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	96483	47.24	ug/l	99
82) 4-Chlorotoluene	12.77	91	1151753	51.37	ug/l	100
83) tert-Butylbenzene	12.99	119	1202418	52.72	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1421313	53.65	ug/l	99
85) sec-Butylbenzene	13.17	105	1608559	53.82	ug/l	100
86) p-Isopropyltoluene	13.29	119	1413957	55.52	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	756801	50.28	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	724243	48.89	ug/l	100
89) n-Butylbenzene	13.62	91	1122272	55.10	ug/l	99
90) Hexachloroethane	13.87	117	253803	52.28	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	721164	49.66	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50679	43.23	ug/l	98

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QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

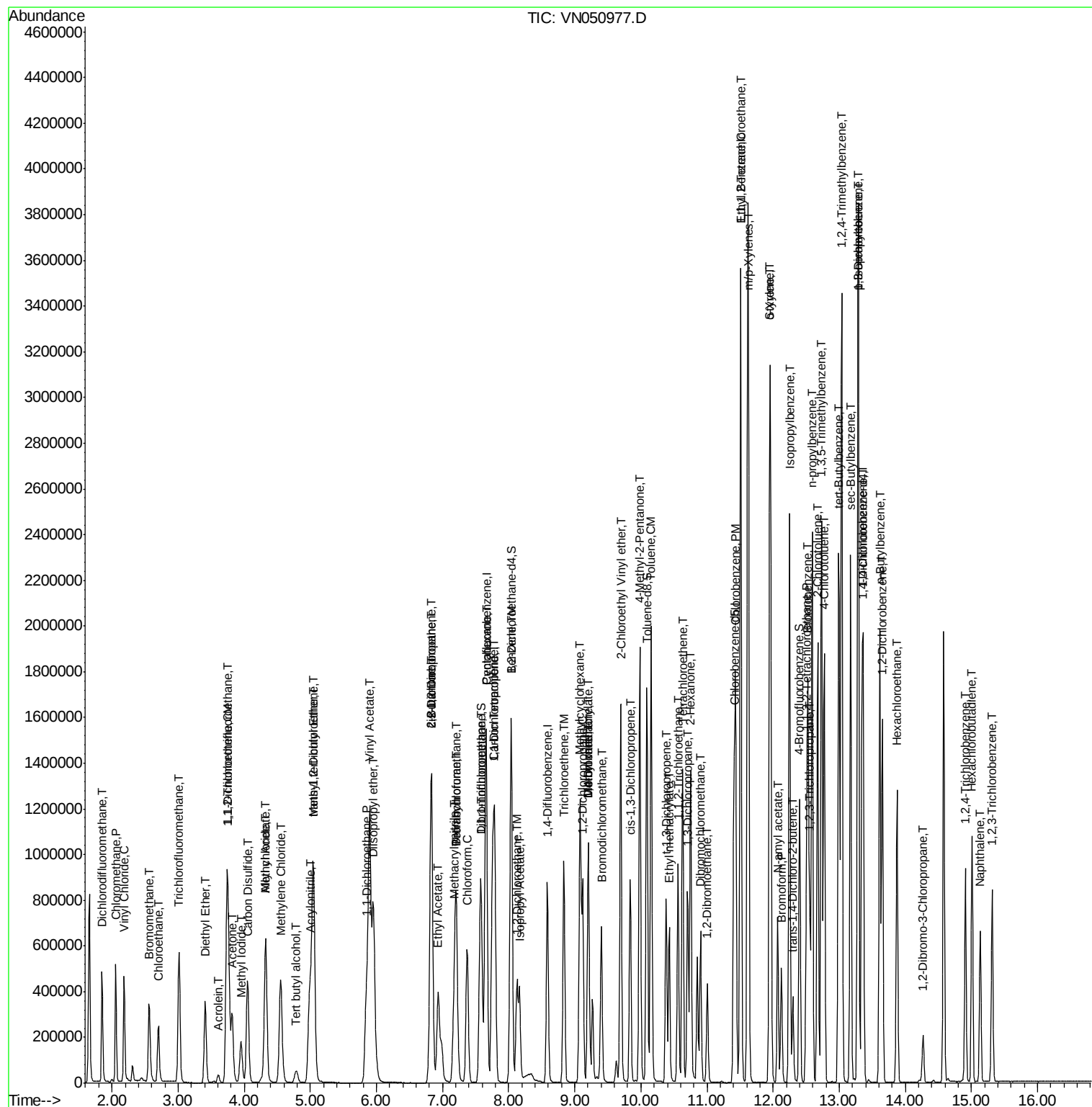
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	322118	43.24	ug/l	100
94) Hexachlorobutadiene	15.01	225	240135	55.91	ug/l	100
95) Naphthalene	15.13	128	578976	38.19	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	311450	44.37	ug/l	100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

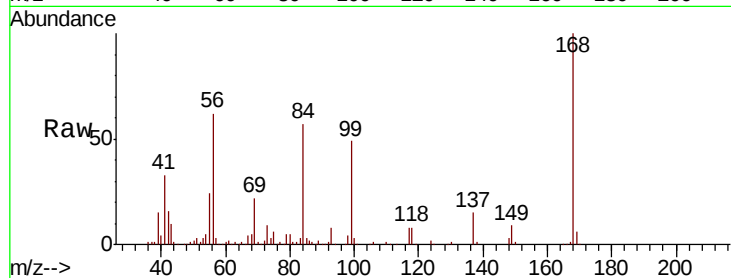
VSTDCCC050

Tot Ion:168 Resp: 605464

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): V

7.67

250000

200000

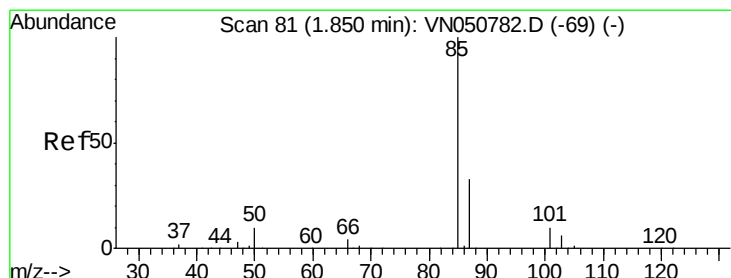
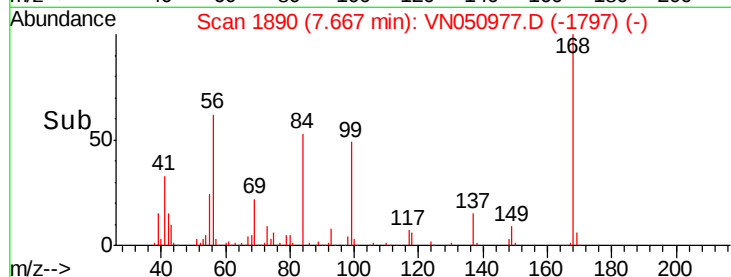
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.23 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050977.D

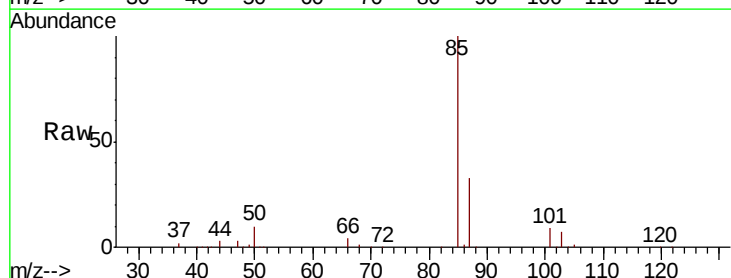
Acq: 31 Aug 2018 10:20

Tgt Ion: 85 Resp: 382688

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

1.85

300000

250000

200000

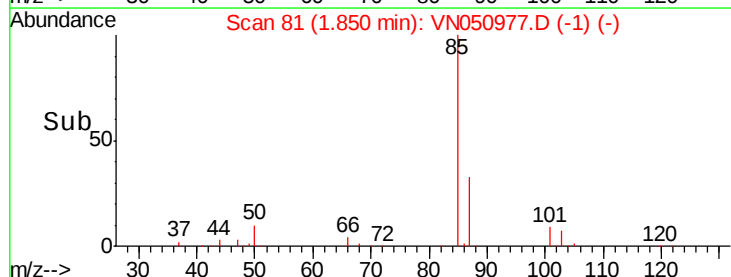
150000

100000

50000

0

Time-->





#3

Chloromethane

Concen: 42.15 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

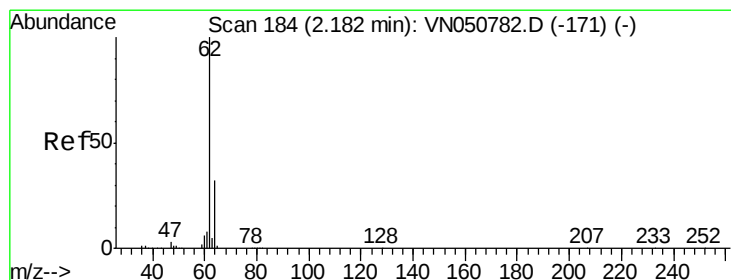
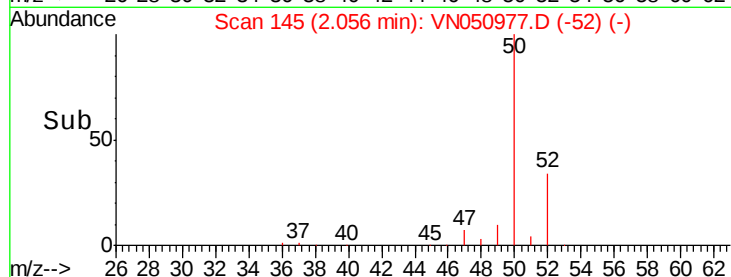
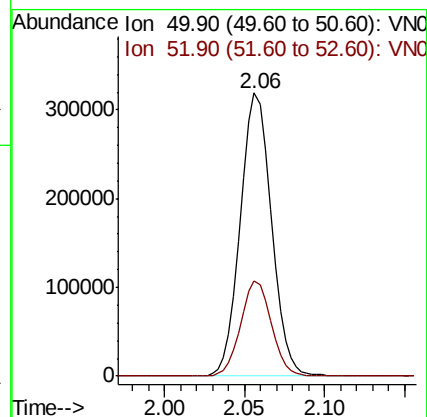
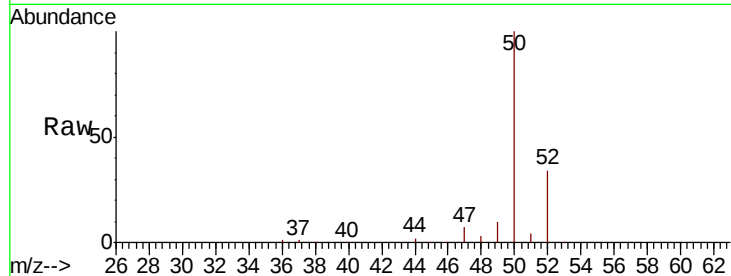
VSTDCCC050

Tot Ion: 50 Resp: 421270

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 44.64 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050977.D

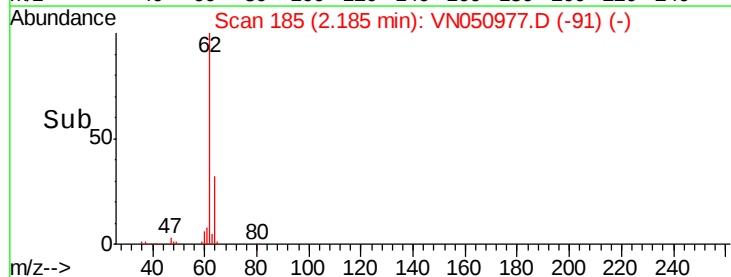
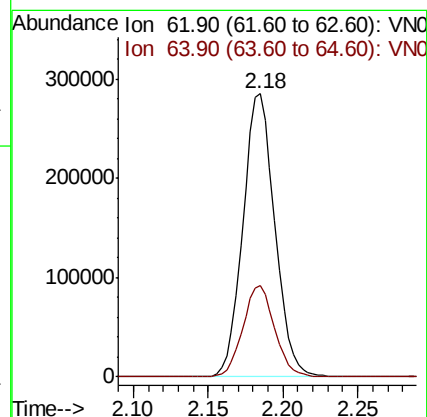
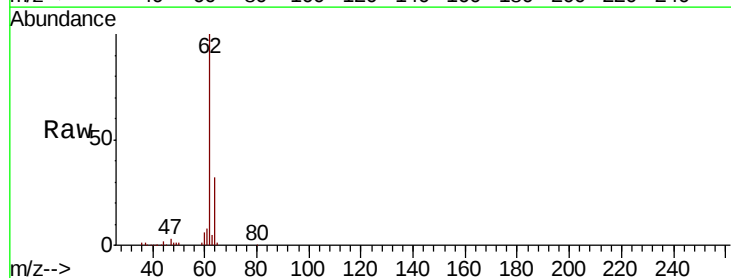
Acq: 31 Aug 2018 10:20

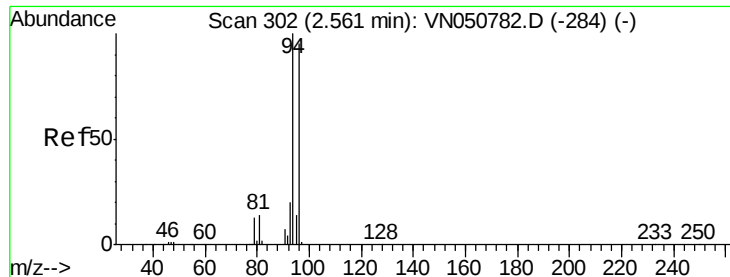
Tgt Ion: 62 Resp: 422604

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 46.96 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

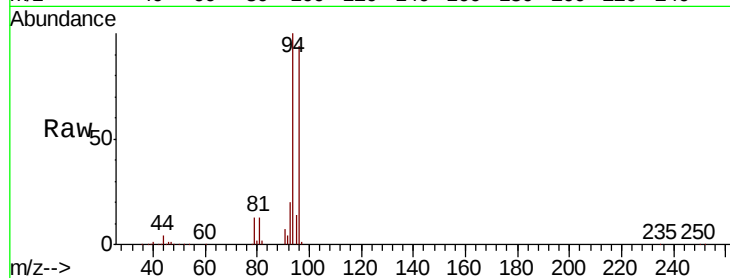
VSTDCCC050

Tot Ion: 94 Resp: 253021

Ion Ratio Lower Upper

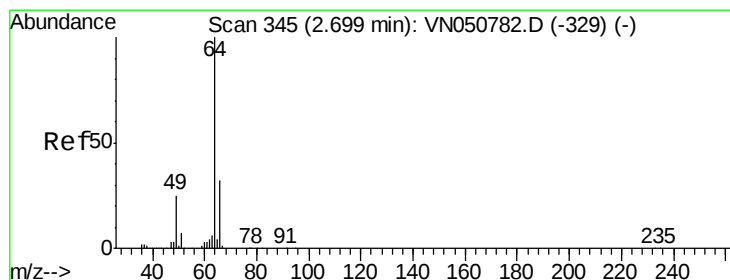
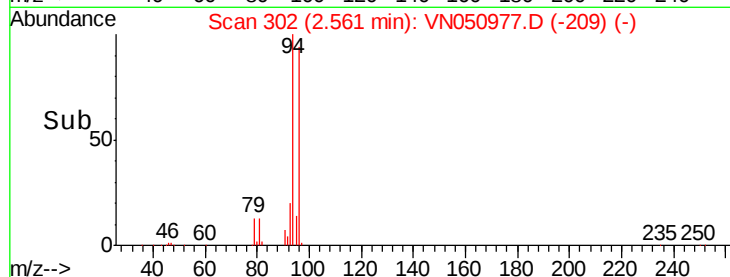
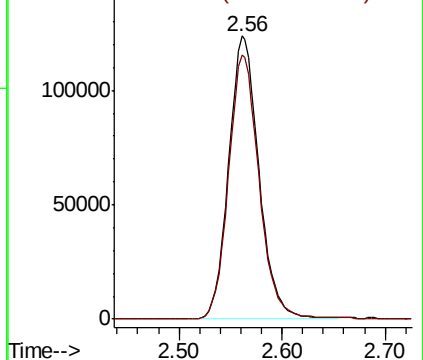
94 100

96 93.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.52 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050977.D

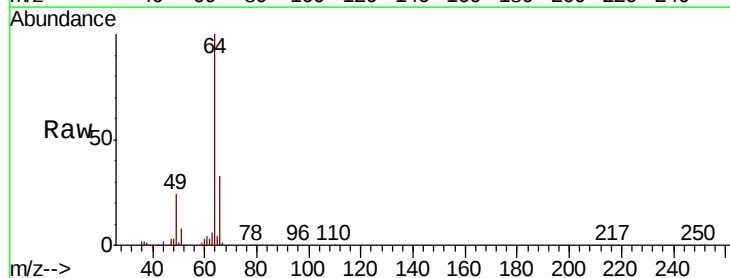
Acq: 31 Aug 2018 10:20

Tgt Ion: 64 Resp: 248973

Ion Ratio Lower Upper

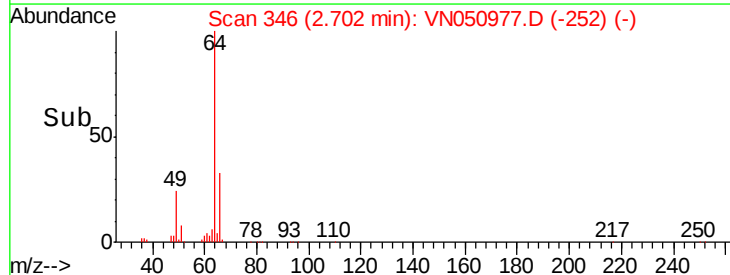
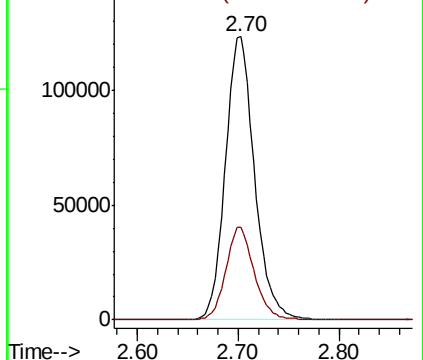
64 100

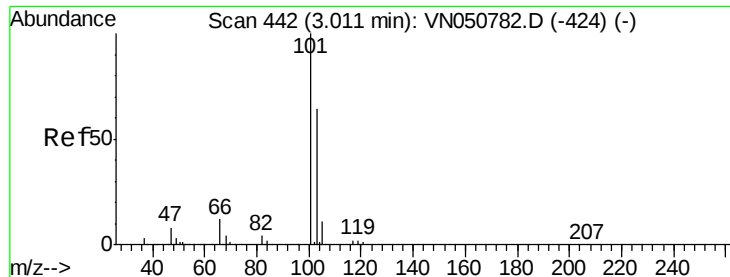
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



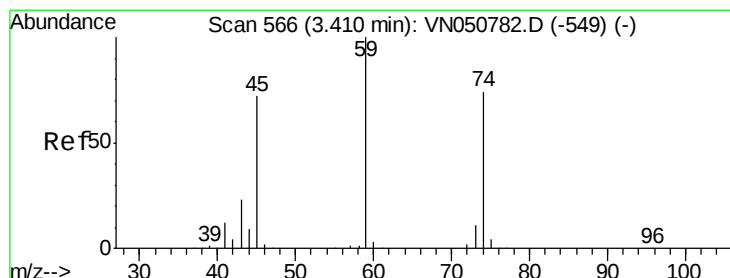
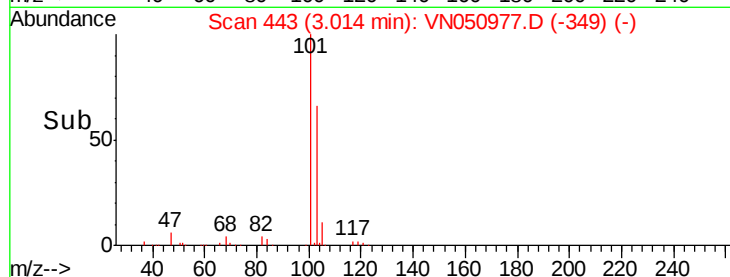
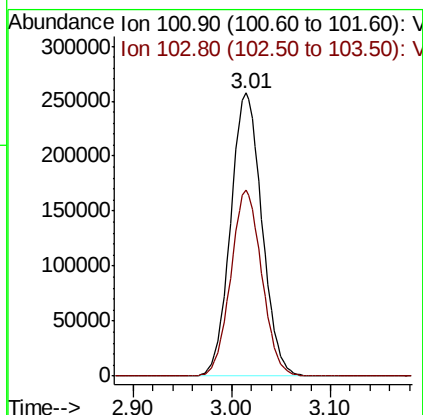
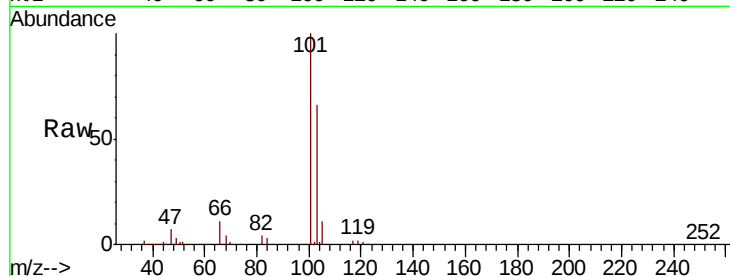


#7

Trichlorofluoromethane
 Concen: 46.96 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

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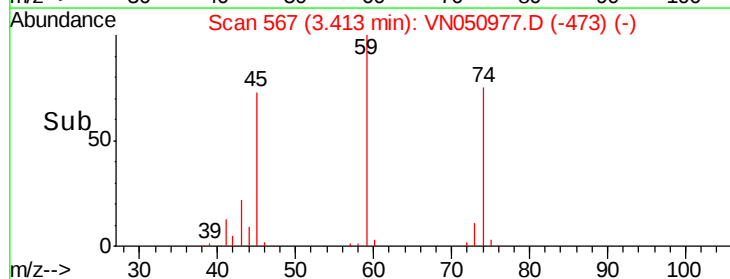
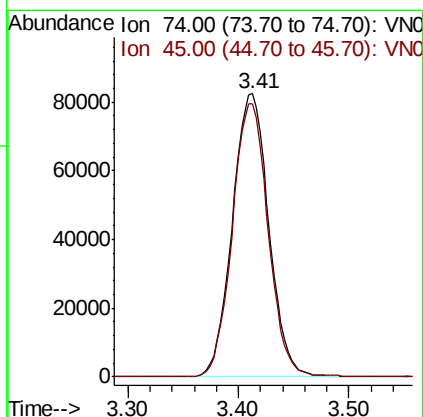
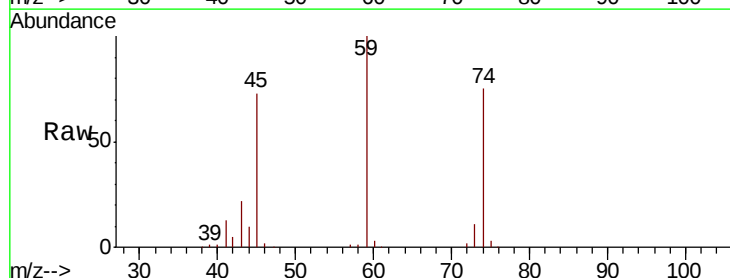
Tot Ion:101 Resp: 569295
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.6 77.4



#8

Diethyl Ether
 Concen: 45.72 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 74 Resp: 188449
 Ion Ratio Lower Upper
 74 100
 45 95.3 48.2 144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.96 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

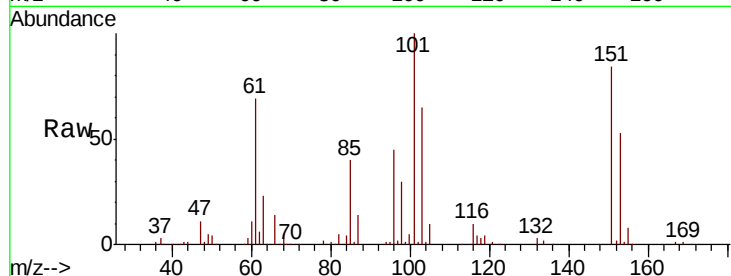
Tot Ion:101 Resp: 363204

Ion Ratio Lower Upper

101 100

85 40.7 33.7 50.5

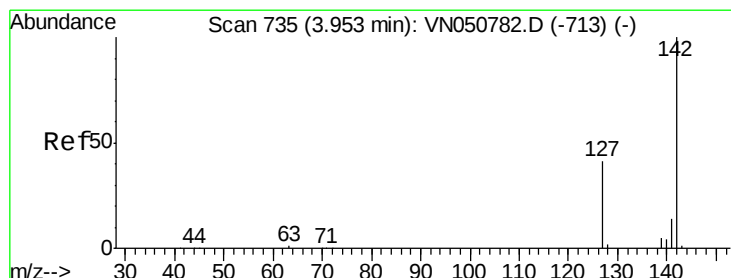
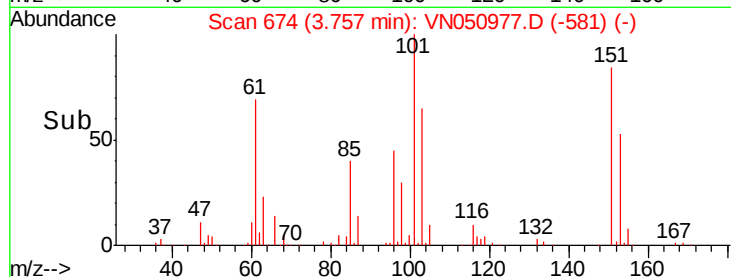
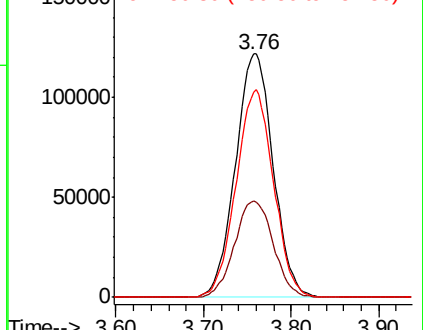
151 84.9 67.4 101.2



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: 45.31 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

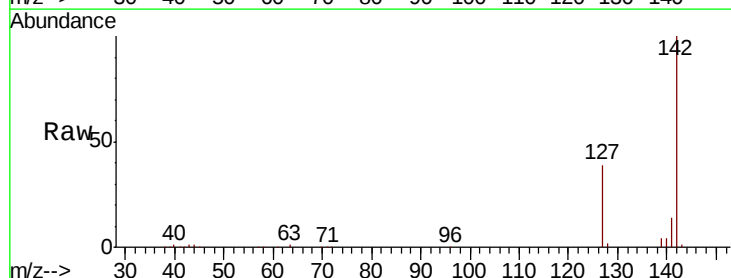
Tgt Ion:142 Resp: 296654

Ion Ratio Lower Upper

142 100

127 40.7 31.7 47.5

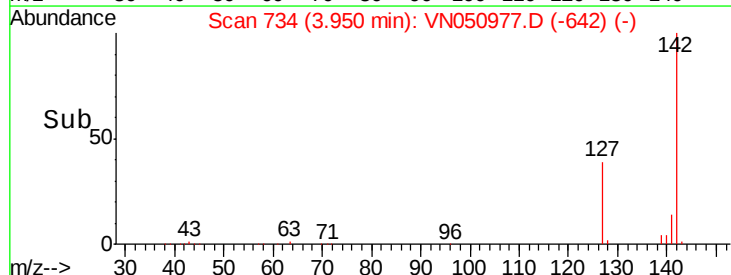
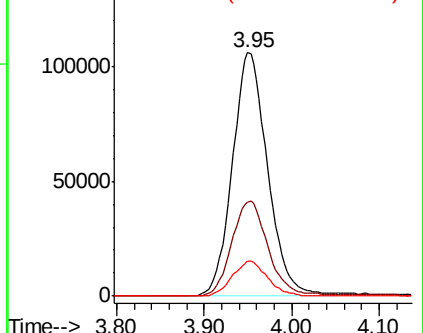
141 14.3 11.4 17.0

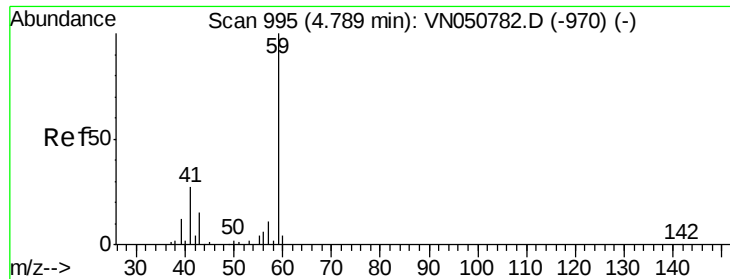


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



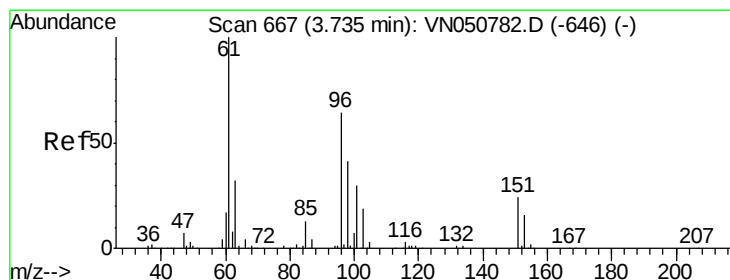
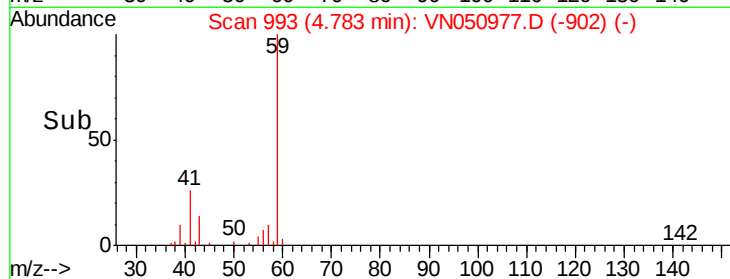
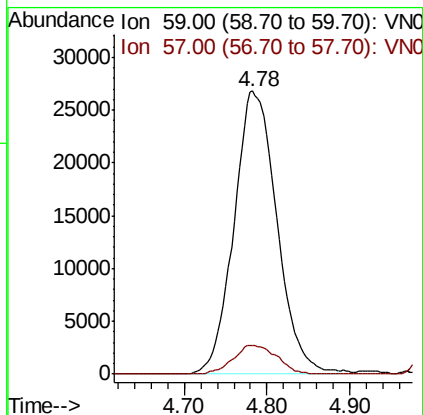
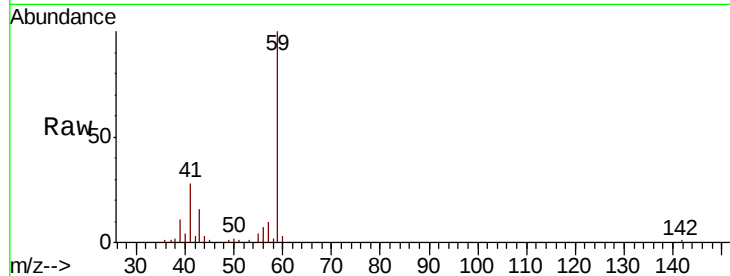


#11

Tert butyl alcohol
Concen: 207.85 ug/l
RT: 4.78 min Scan# 993
Delta R.T. -0.01 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

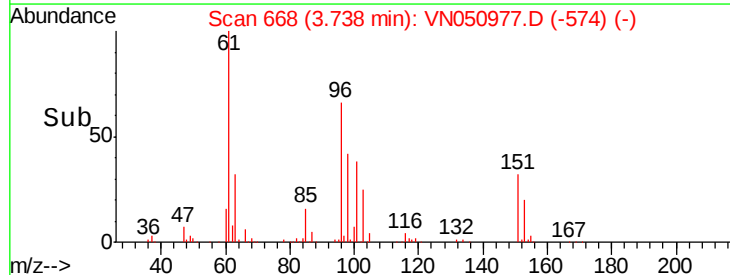
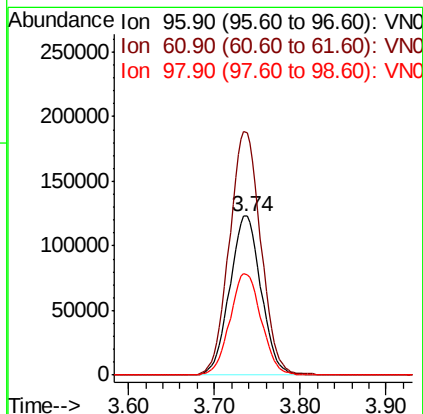
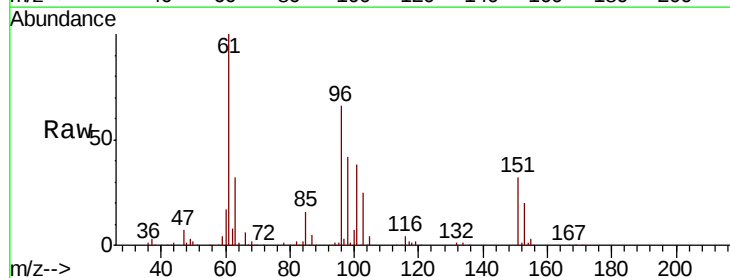
Tot Ion: 59 Resp: 96473
Ion Ratio Lower Upper
59 100
57 10.4 8.3 12.5



#12

1,1-Dichloroethene
Concen: 45.84 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 96 Resp: 311730
Ion Ratio Lower Upper
96 100
61 152.6 124.9 187.3
98 63.5 51.1 76.7





#13

Acrolein

Concen: 154.67 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

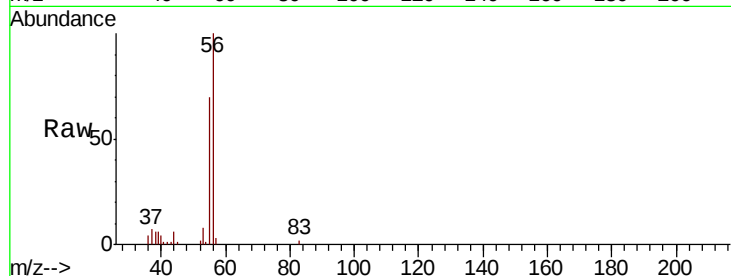
VSTDCCC050

Tot Ion: 56 Resp: 39927

Ion Ratio Lower Upper

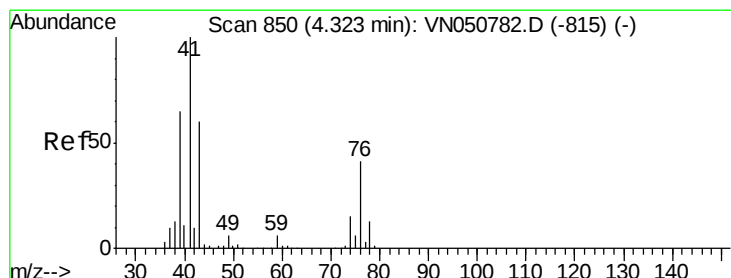
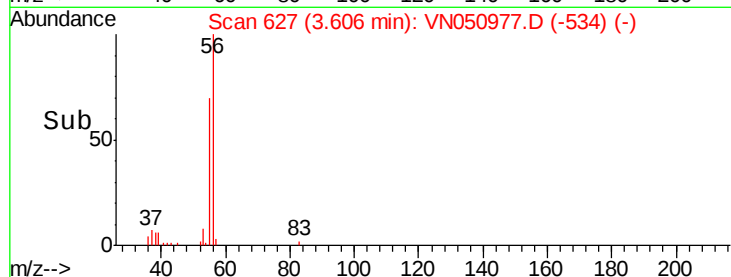
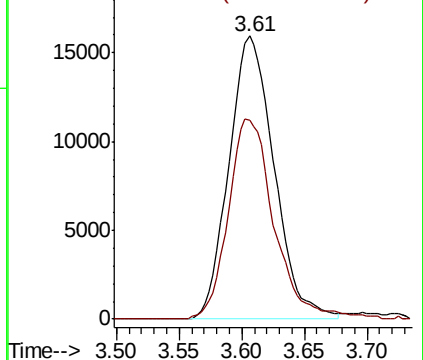
56 100

55 72.0 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.19 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

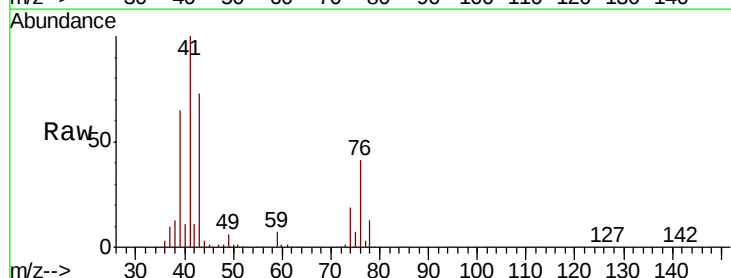
Tgt Ion: 41 Resp: 489437

Ion Ratio Lower Upper

41 100

39 61.7 50.2 75.2

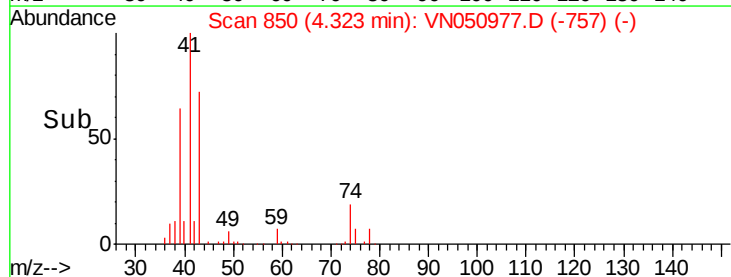
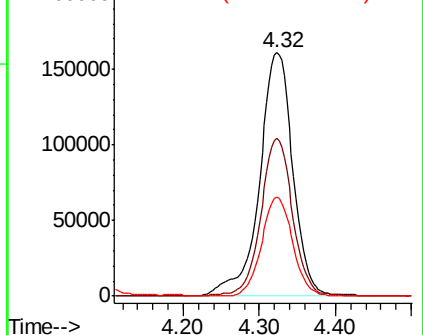
76 37.5 29.8 44.8

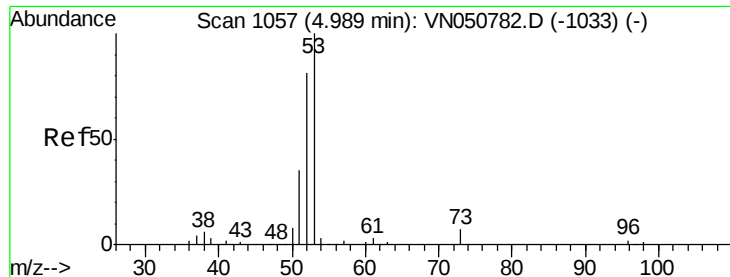


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 227.51 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

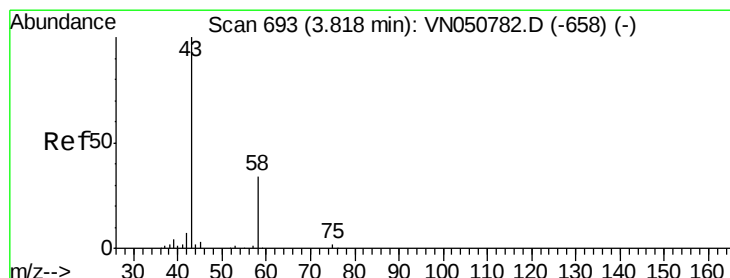
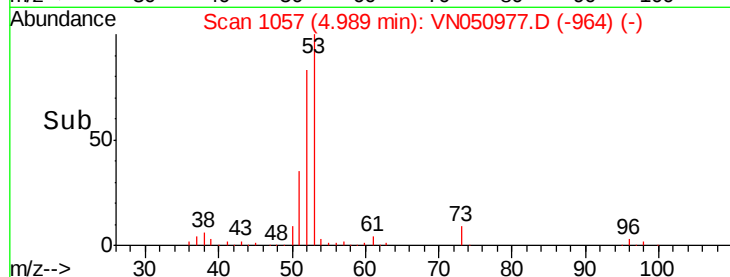
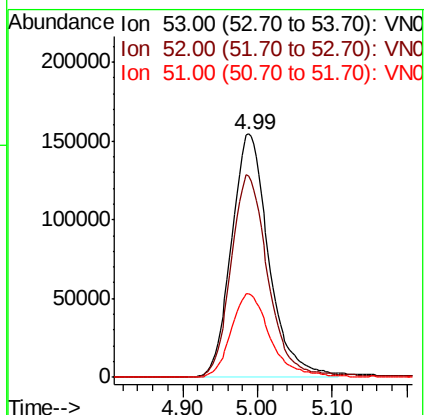
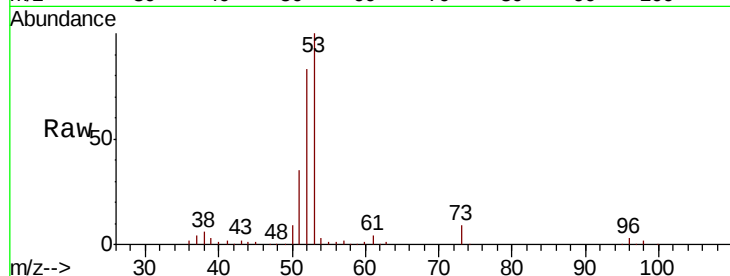
Tot Ion: 53 Resp: 536649

Ion Ratio Lower Upper

53 100

52 82.6 65.9 98.9

51 36.2 28.6 43.0



#16

Acetone

Concen: 279.73 ug/l

RT: 3.81 min Scan# 692

Delta R.T. -0.00 min

Lab File: VN050977.D

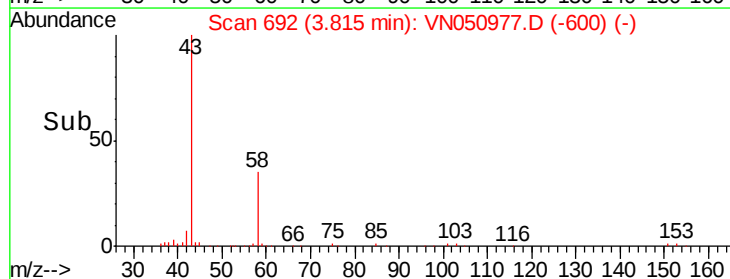
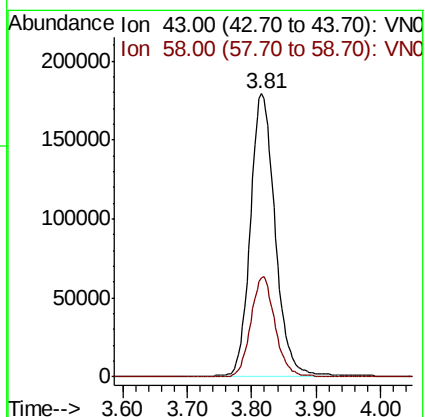
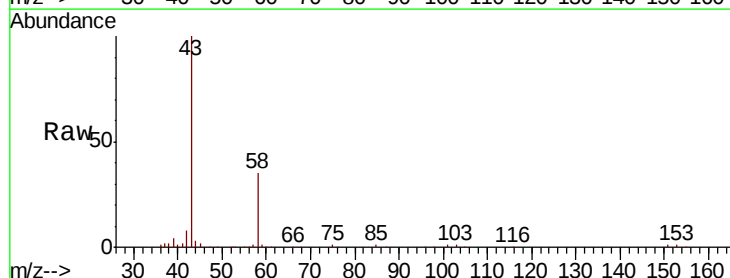
Acq: 31 Aug 2018 10:20

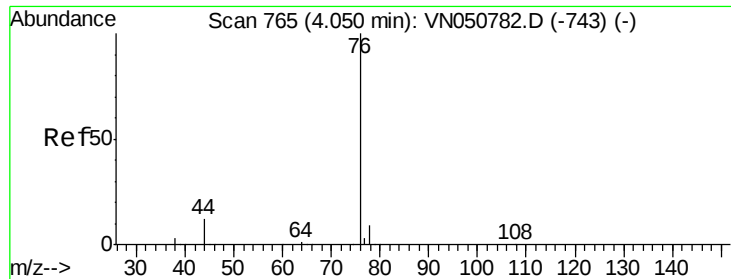
Tgt Ion: 43 Resp: 481379

Ion Ratio Lower Upper

43 100

58 35.2 27.2 40.8

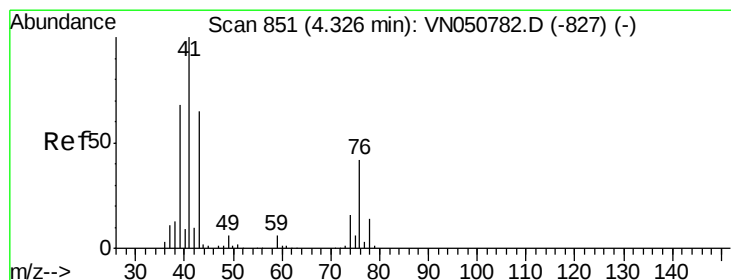
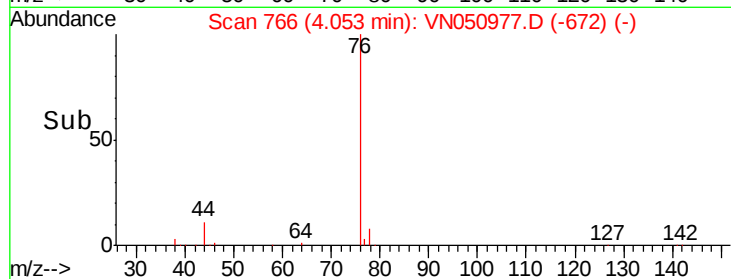
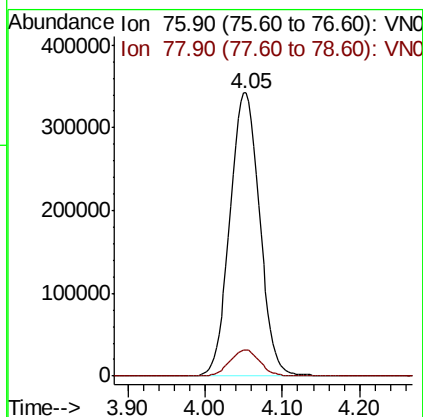
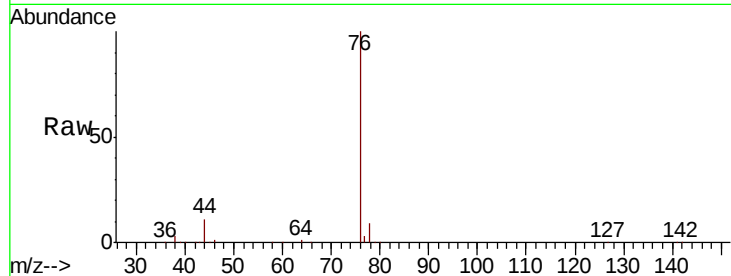




#17
Carbon Disulfide
Concen: 40.00 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

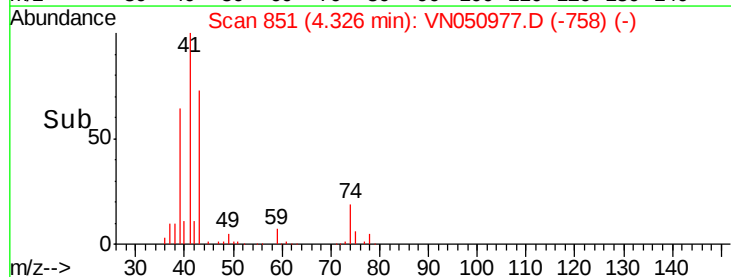
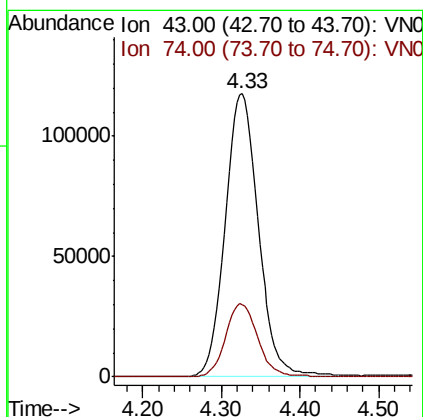
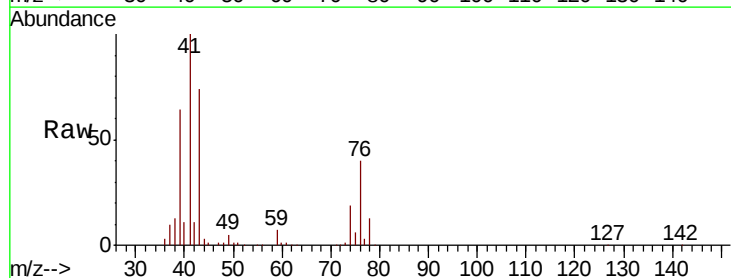
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 911944
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 49.67 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 43 Resp: 341898
Ion Ratio Lower Upper
43 100
74 25.3 19.8 29.8





#19

Methyl tert-butyl Ether

Concen: 48.18 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

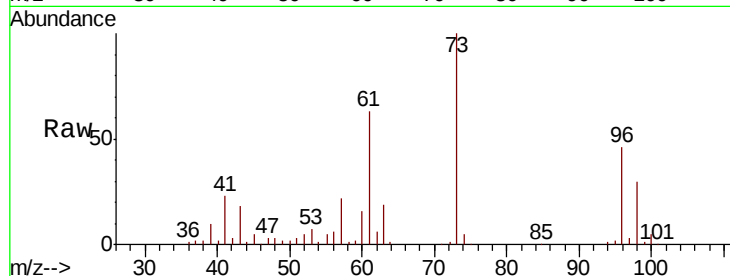
VSTDCCC050

Tot Ion: 73 Resp: 824125

Ion Ratio Lower Upper

73 100

57 22.0 17.8 26.8



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

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

5.05

200000

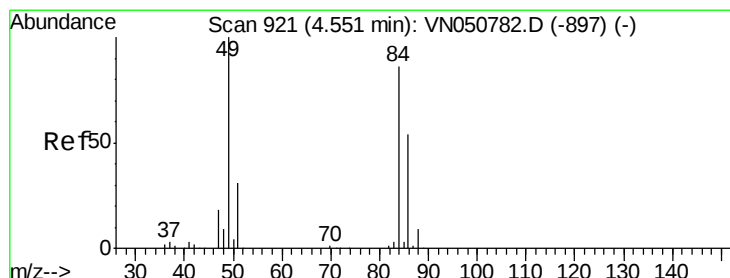
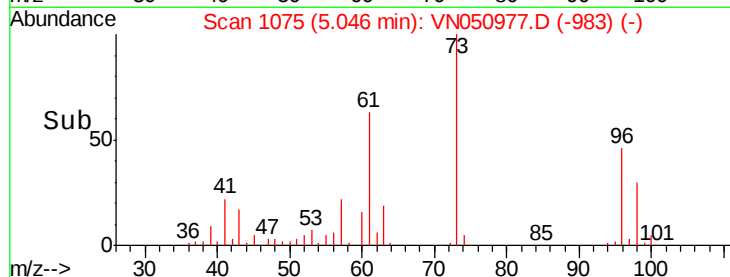
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 44.43 ug/l

RT: 4.55 min Scan# 921

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Tgt Ion: 84 Resp: 364956

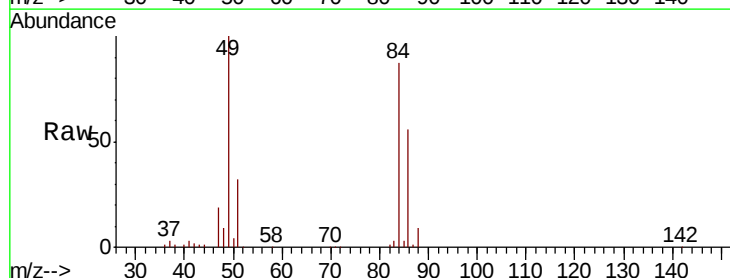
Ion Ratio Lower Upper

84 100

49 115.6 93.2 139.8

51 36.5 29.0 43.6

86 64.4 49.8 74.8



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

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

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

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

200000

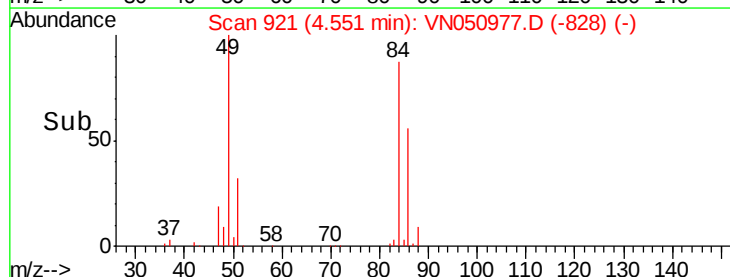
150000

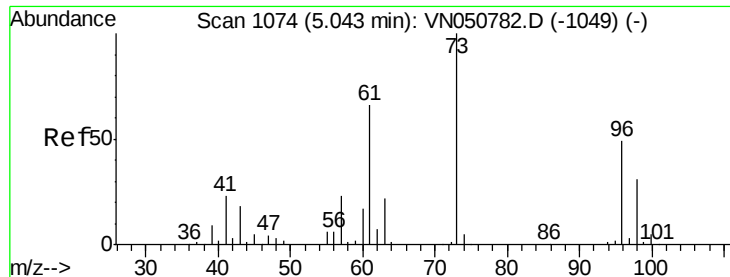
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 45.90 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

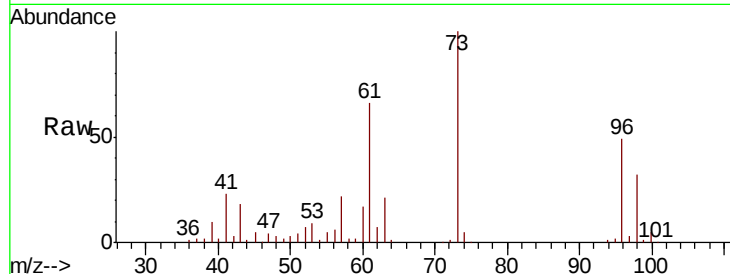
Tot Ion: 96 Resp: 337626

Ion Ratio Lower Upper

96 100

61 134.7 107.4 161.0

98 64.7 50.7 76.1

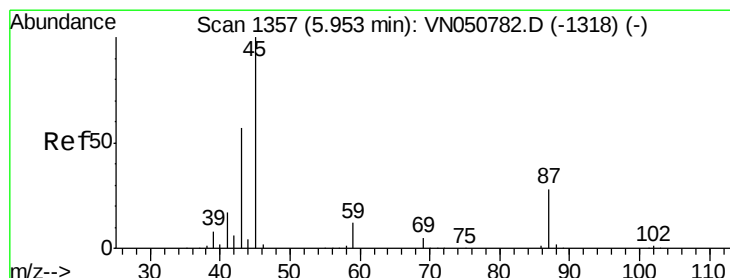
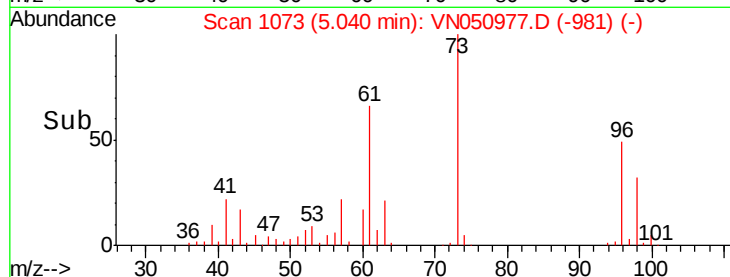
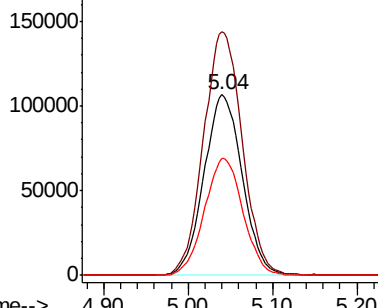


Abundance

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: 49.44 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Tgt Ion: 45 Resp: 1044033

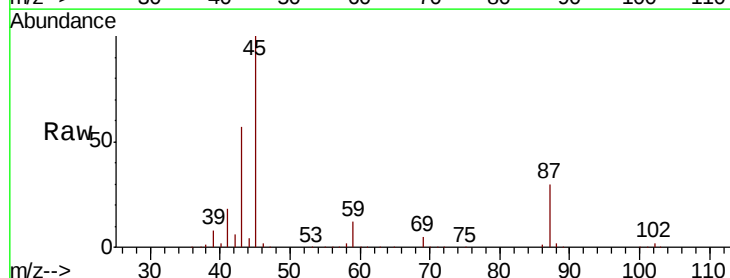
Ion Ratio Lower Upper

45 100

43 55.7 45.9 68.9

87 29.8 22.7 34.1

59 12.3 9.3 13.9



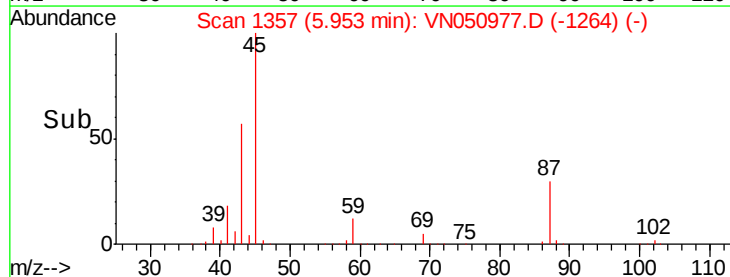
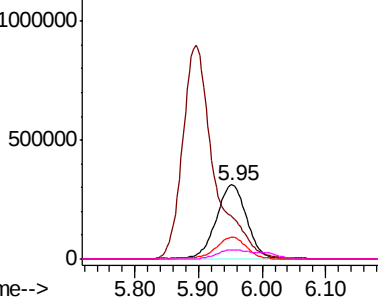
Abundance

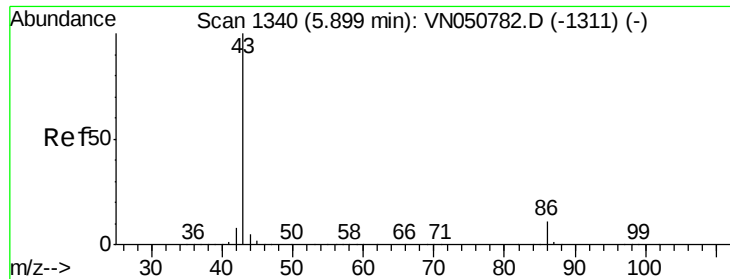
Ion 45.00 (44.70 to 45.70): VN0

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

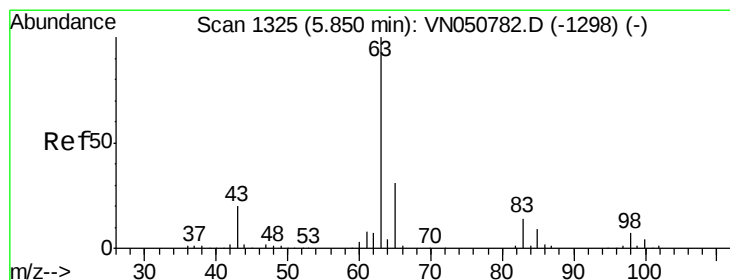
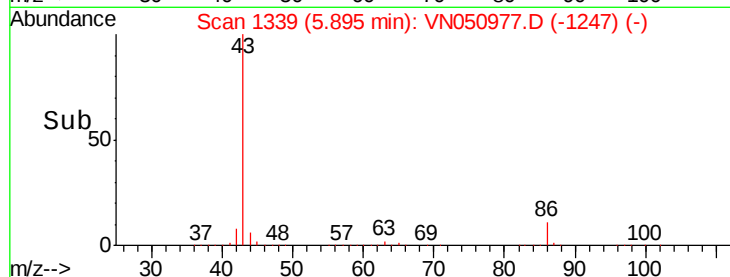
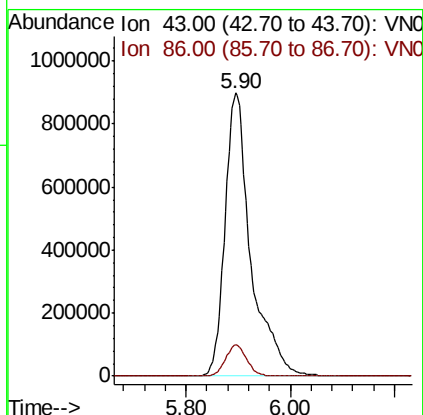
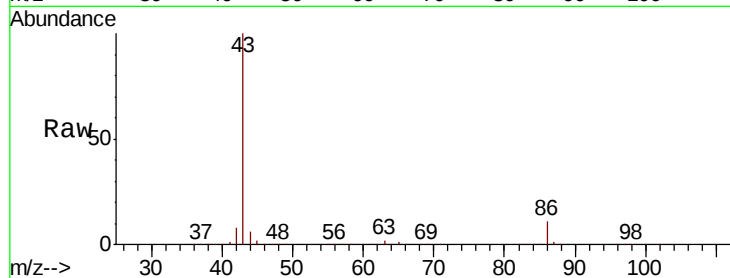




#23
 Vinyl Acetate
 Concen: 228.00 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

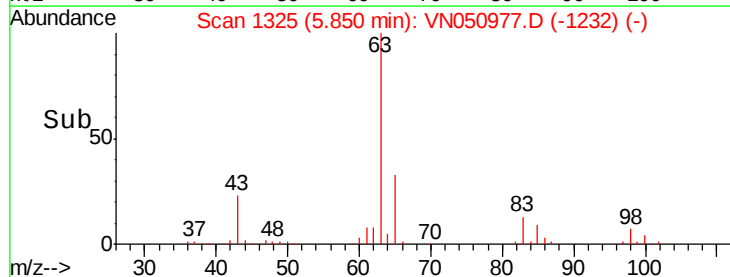
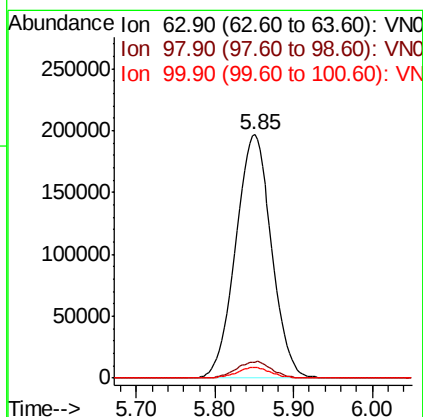
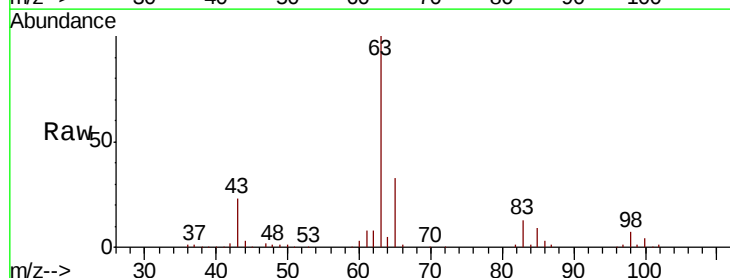
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3100744
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 46.24 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 63 Resp: 626914
 Ion Ratio Lower Upper
 63 100
 98 6.7 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 214.99 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

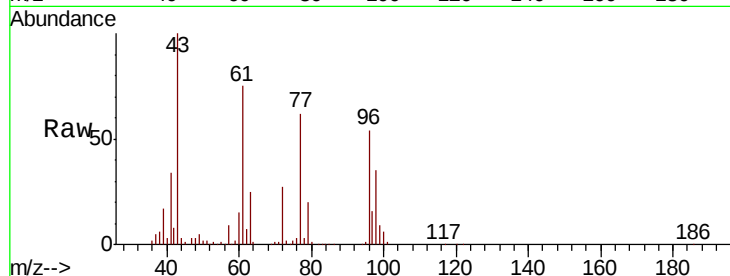
VSTDCCC050

Tot Ion: 43 Resp: 631518

Ion Ratio Lower Upper

43 100

72 27.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

100000

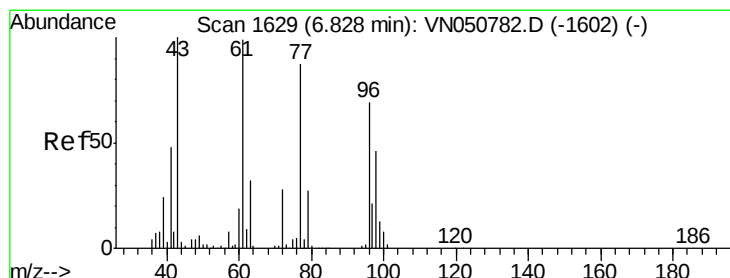
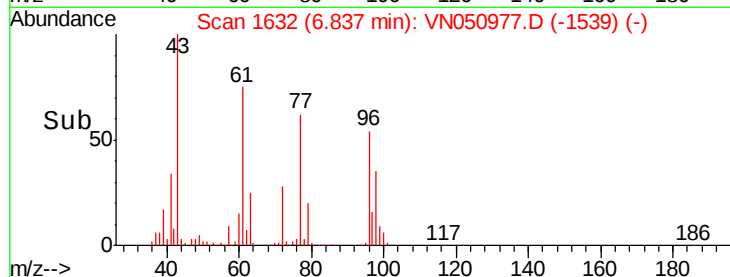
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 46.86 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050977.D

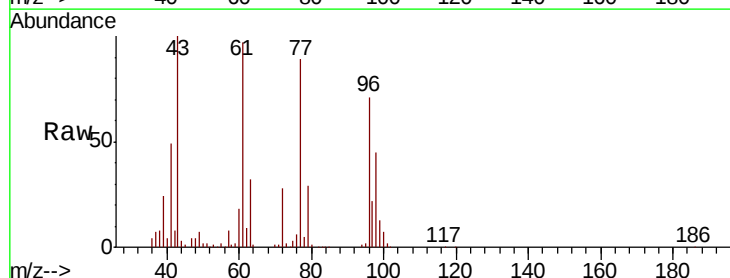
Acq: 31 Aug 2018 10:20

Tgt Ion: 77 Resp: 510494

Ion Ratio Lower Upper

77 100

97 24.1 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

150000

100000

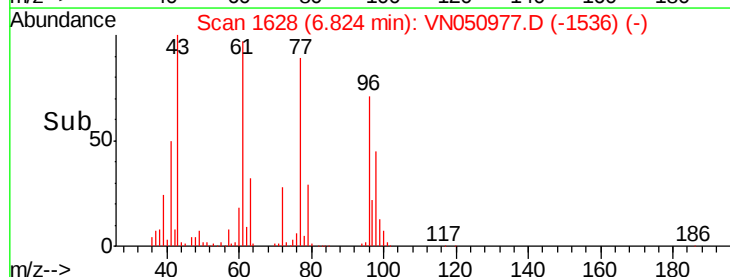
50000

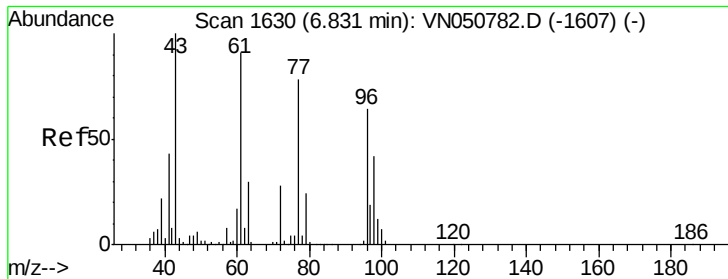
0

6.70 6.80 6.90

6.82

Time-->

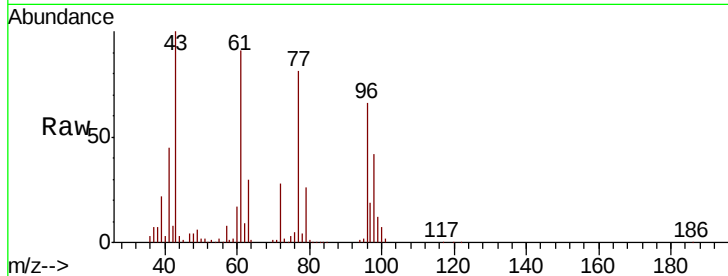




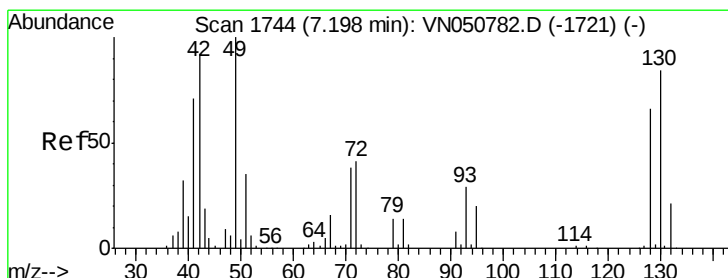
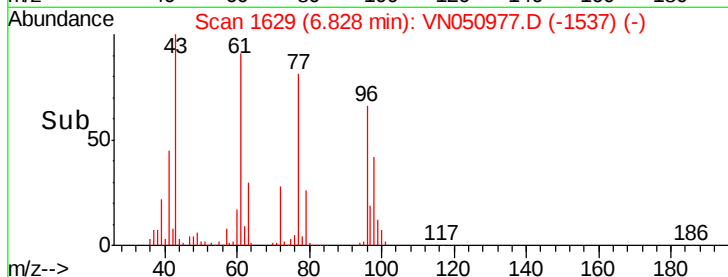
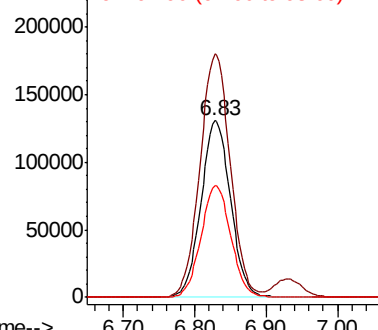
#27
 cis-1,2-Dichloroethene
 Concen: 47.79 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	283.4
98	63.9	0.0	129.8

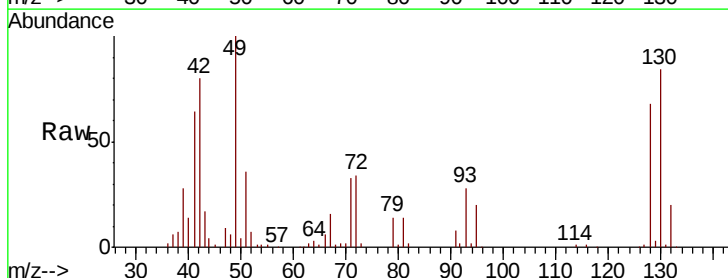


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

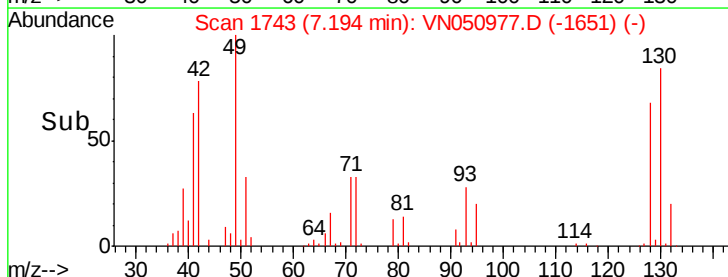
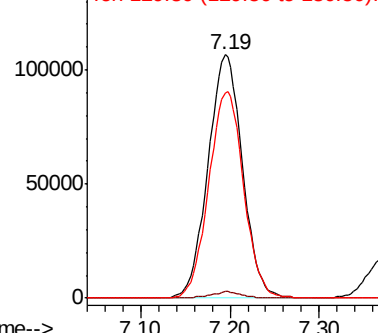


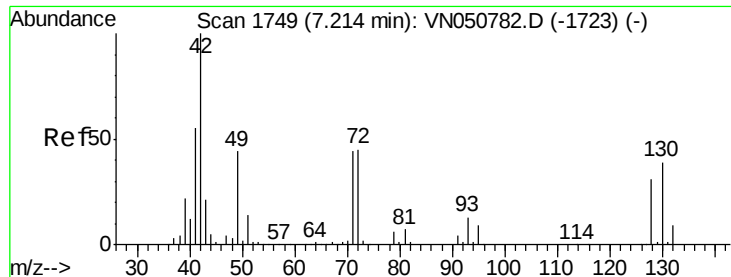
#28
 Bromochloromethane
 Concen: 49.65 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	85.9	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: 227.69 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

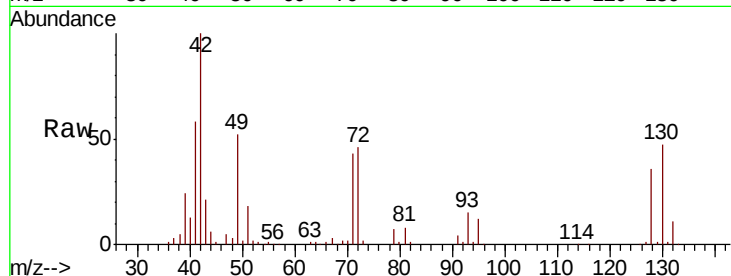
Tot Ion: 42 Resp: 383463

Ion Ratio Lower Upper

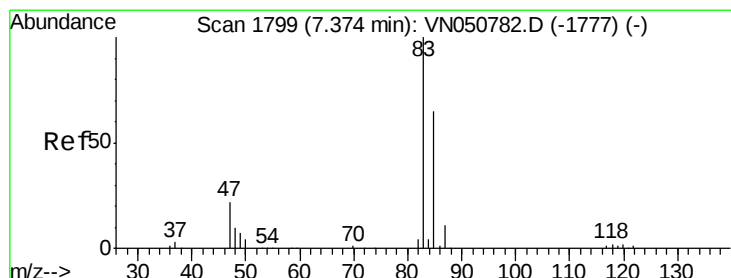
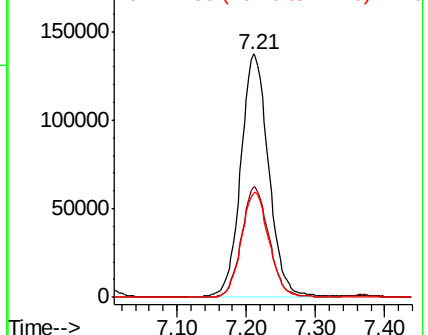
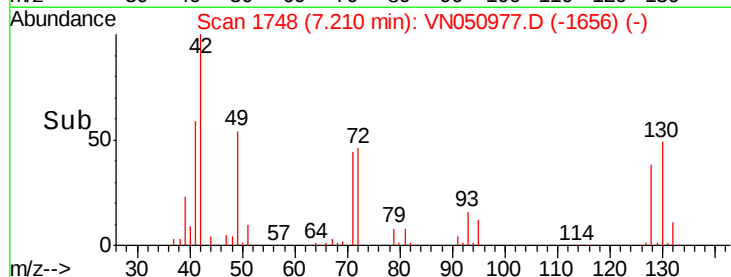
42 100

72 45.1 35.5 53.3

71 43.0 33.7 50.5



Abundance Ion 42.00 (41.70 to 42.70): VN050977.D (-1656) (-)



#30

Chloroform

Concen: 47.24 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050977.D

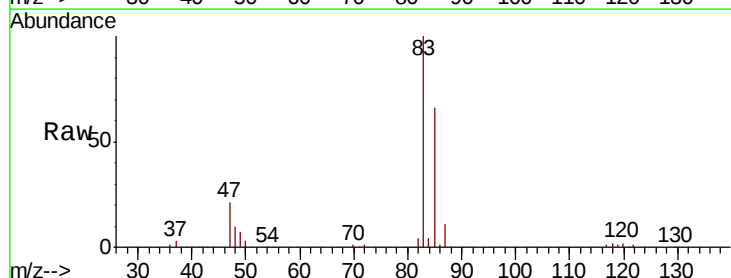
Acq: 31 Aug 2018 10:20

Tgt Ion: 83 Resp: 634244

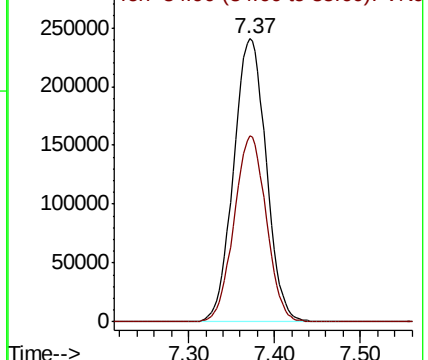
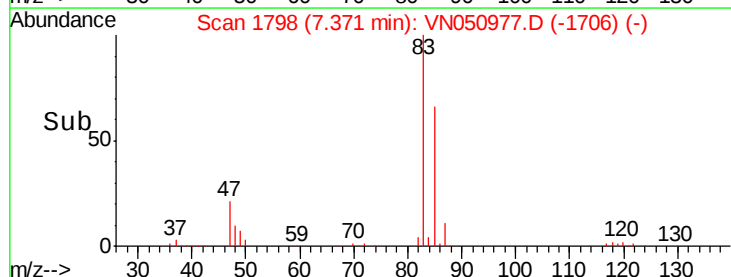
Ion Ratio Lower Upper

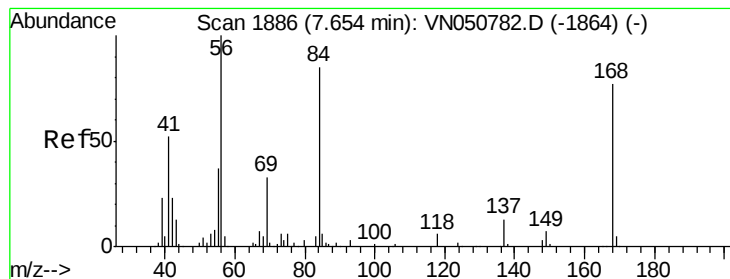
83 100

85 65.8 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN050977.D (-1706) (-)





#31

Cyclohexane

Concen: 45.05 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

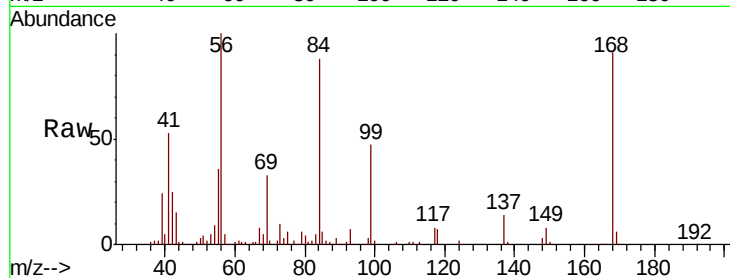
Tot Ion: 56 Resp: 554554

Ion Ratio Lower Upper

56 100

69 33.0 26.2 39.4

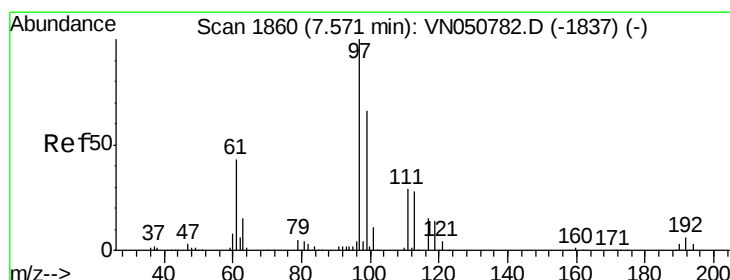
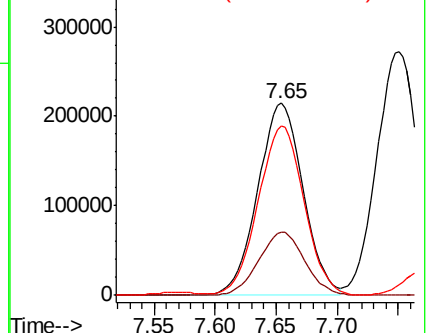
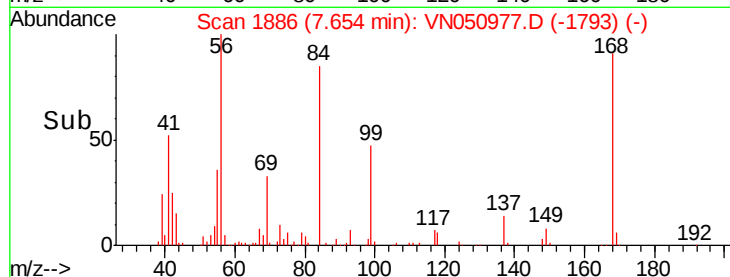
84 86.8 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN050977.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050977.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050977.D (-1793) (-)



#32

1,1,1-Trichloroethane

Concen: 46.88 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

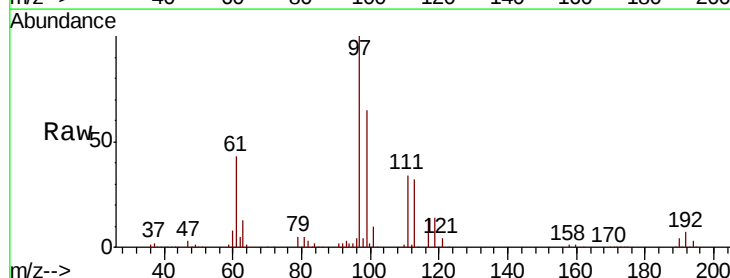
Tgt Ion: 97 Resp: 540564

Ion Ratio Lower Upper

97 100

99 64.4 51.8 77.6

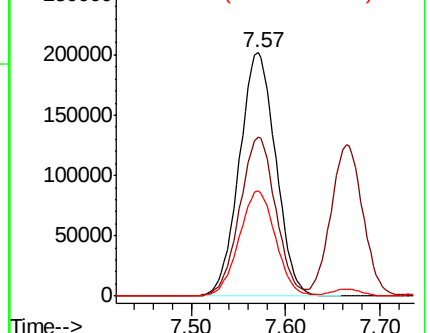
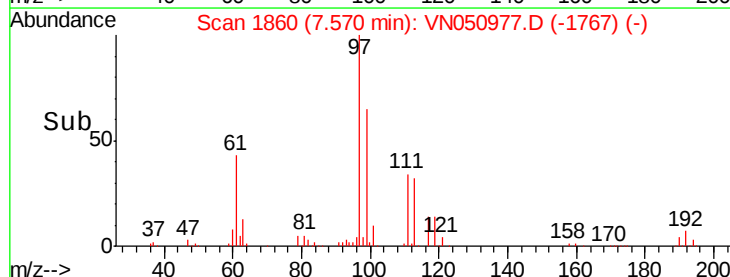
61 43.0 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN050977.D (-1767) (-)

Ion 98.90 (98.60 to 99.60): VN050977.D (-1767) (-)

Ion 60.90 (60.60 to 61.60): VN050977.D (-1767) (-)

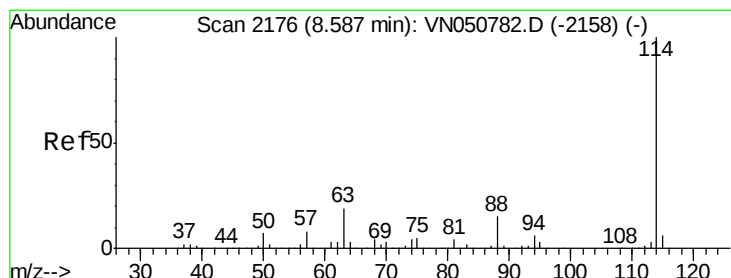
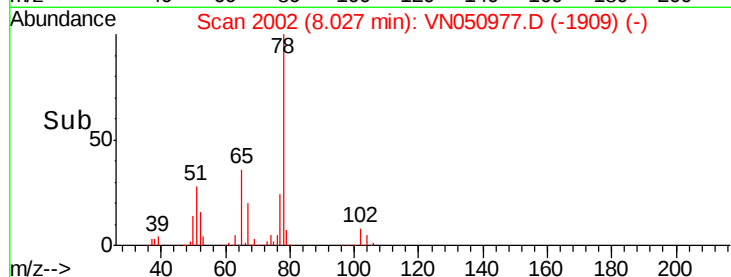
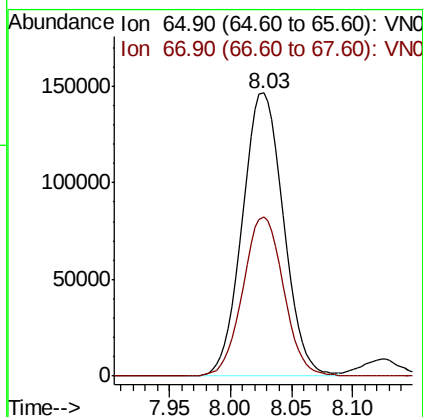
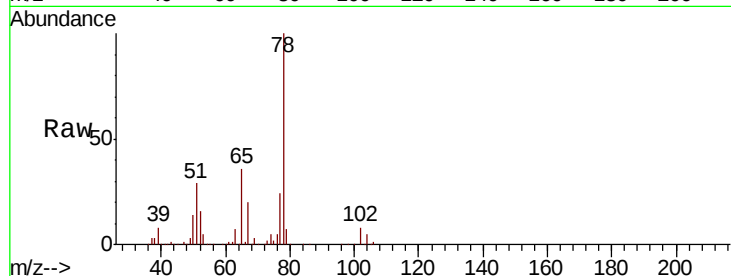




#33
 1,2-Dichloroethane-d4
 Concen: 46.89 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

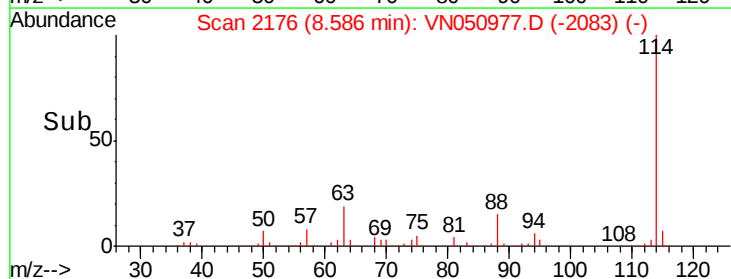
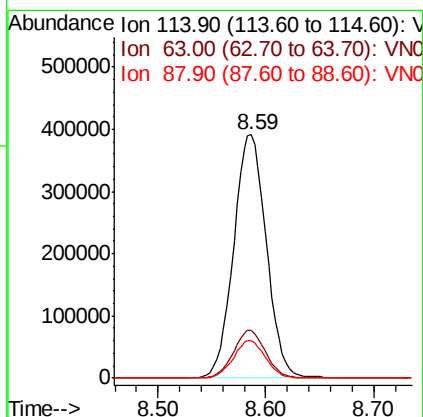
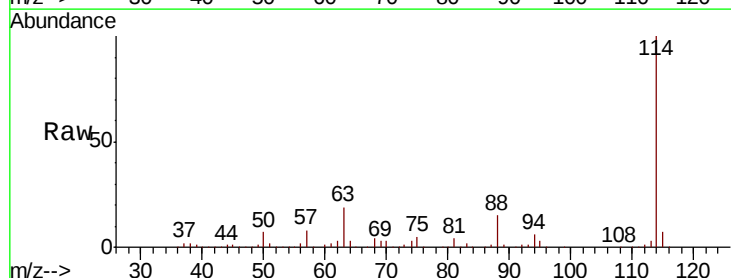
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 65 Resp: 341815
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 114 Resp: 825115
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.4 0.0 30.6

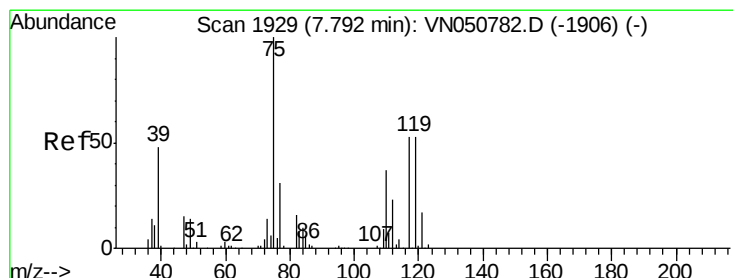
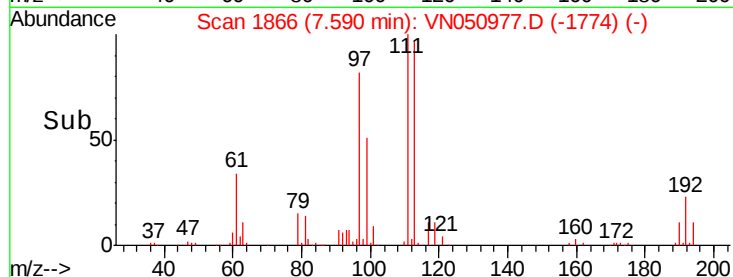
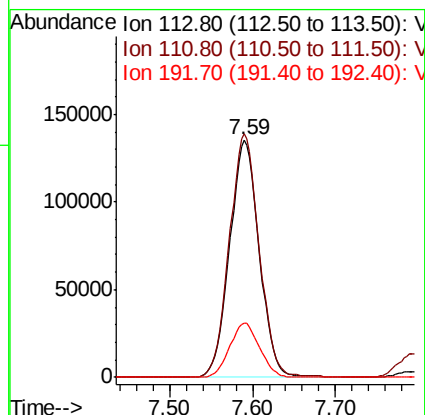
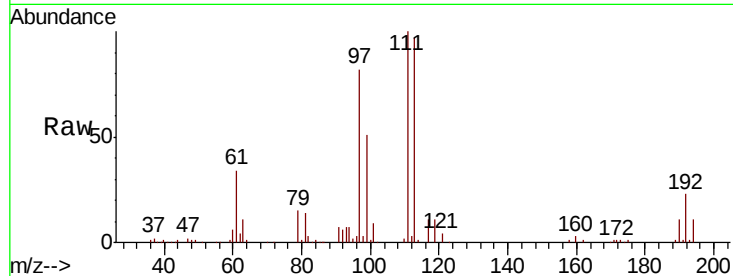




#35
 Dibromofluoromethane
 Concen: 51.07 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

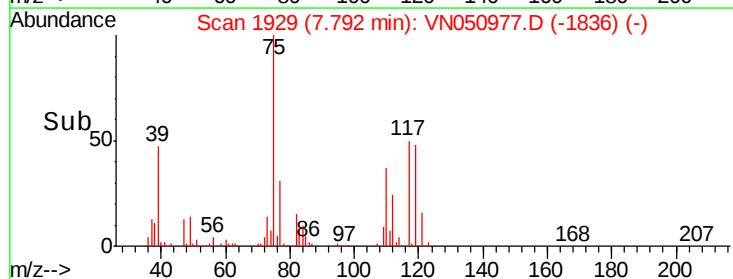
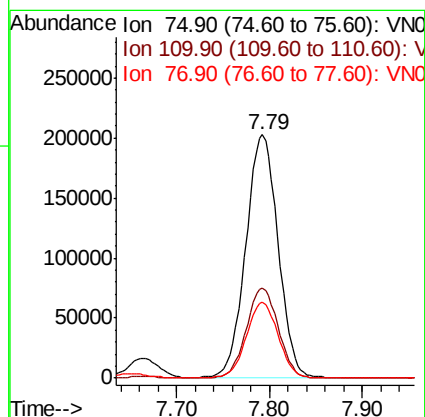
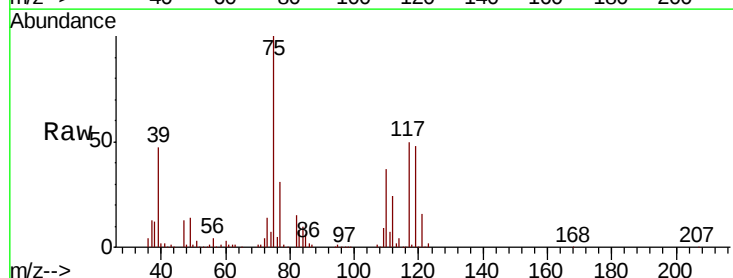
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

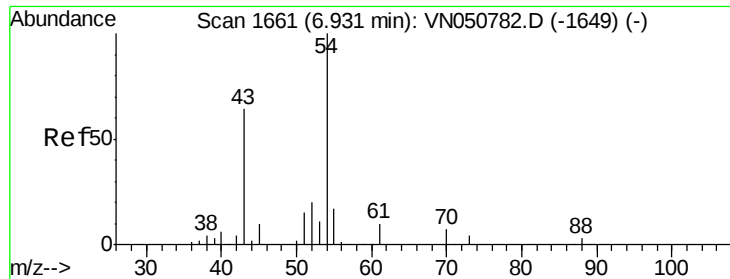
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	23.3	18.0	27.0



#36
 1,1-Dichloropropene
 Concen: 50.25 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.1	54.4
77	30.9	24.8	37.2

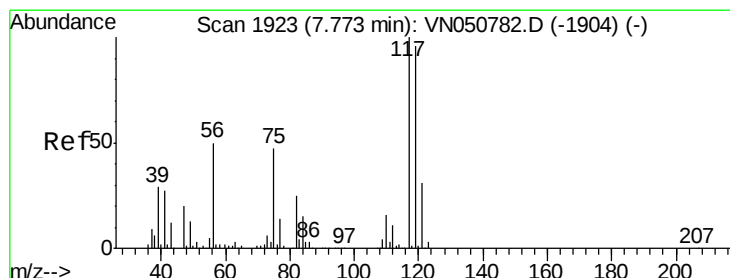
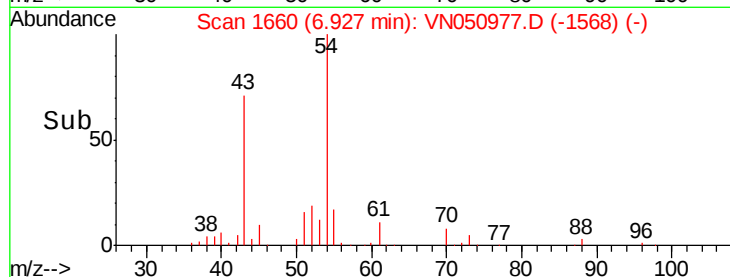
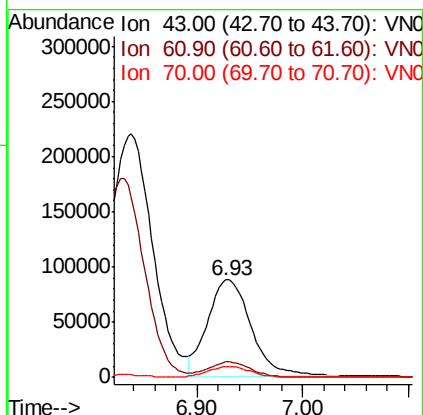
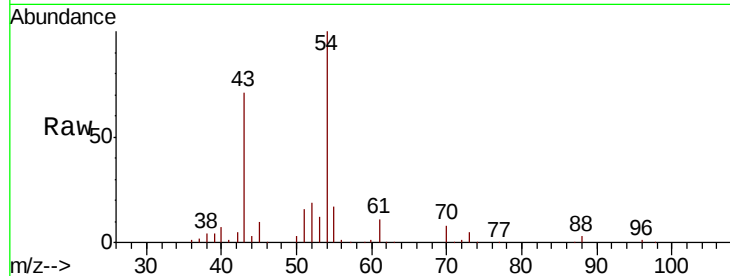




#37
Ethyl Acetate
Concen: 44.81 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

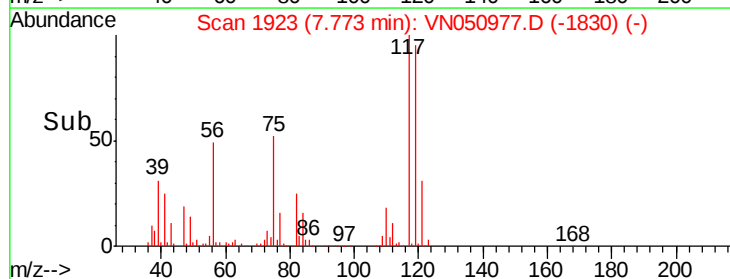
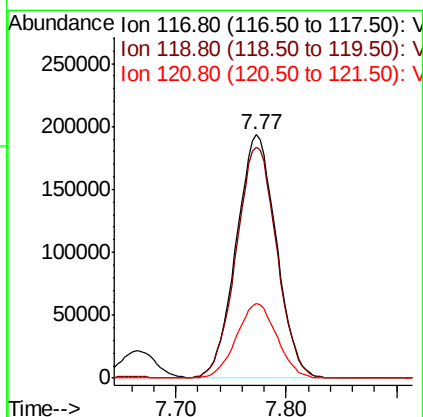
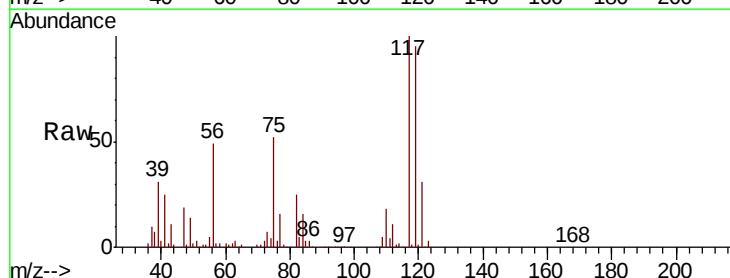
Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050

Tot Ion: 43 Resp: 250632
Ion Ratio Lower Upper
43 100
61 15.2 12.0 18.0
70 10.9 8.6 13.0



#38
Carbon Tetrachloride
Concen: 49.19 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 117 Resp: 484100
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 30.6 24.6 36.8

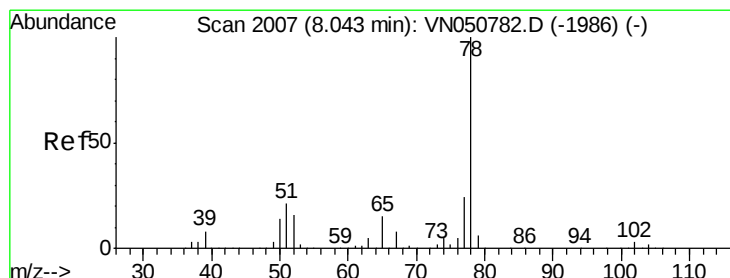
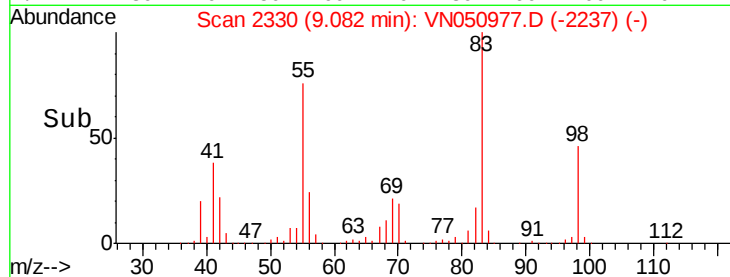
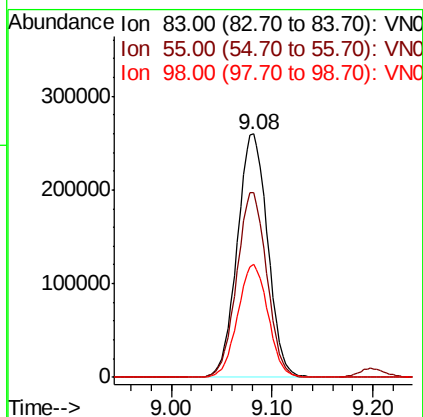
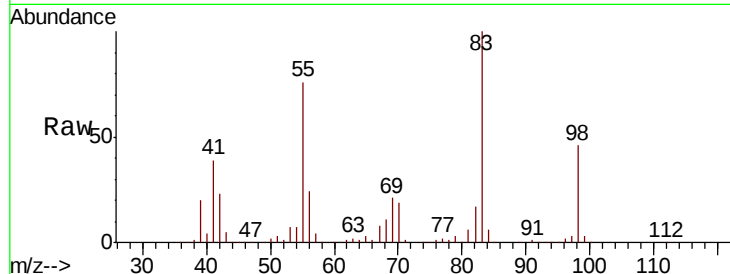




#39
Methvlcvclohexane
Concen: 51.40 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

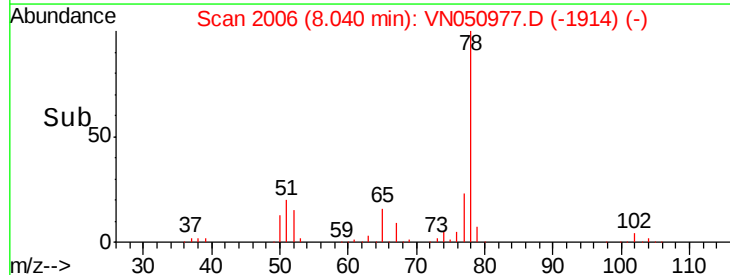
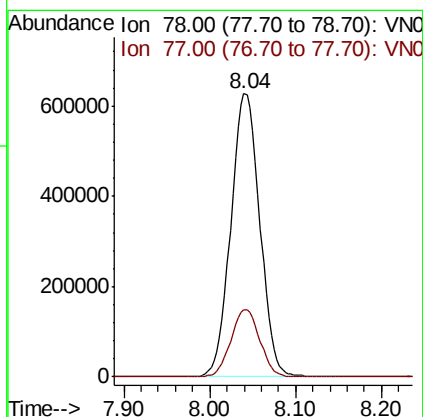
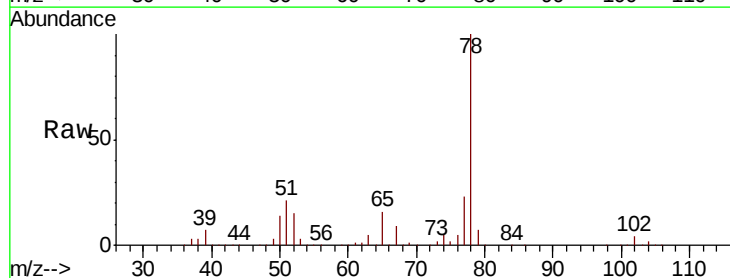
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 541392
Ion Ratio Lower Upper
83 100
55 75.9 61.0 91.4
98 46.4 37.5 56.3



#40
Benzene
Concen: 50.02 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 78 Resp: 1468537
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4

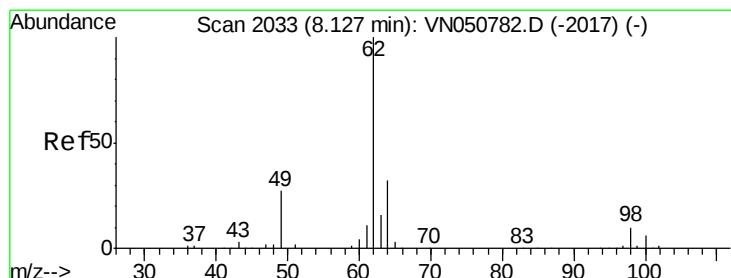
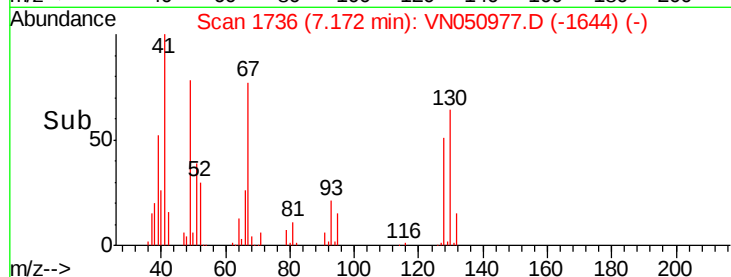
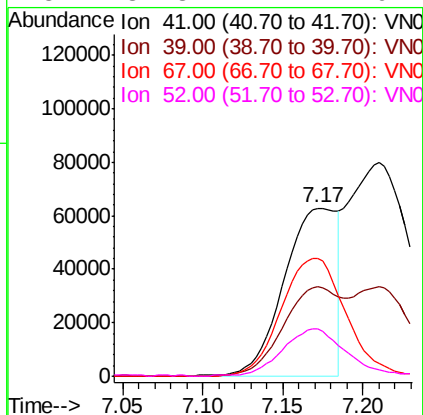
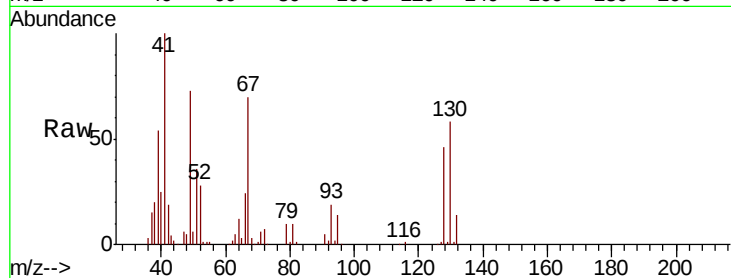




#41
Methacrylonitrile
Concen: 48.13 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

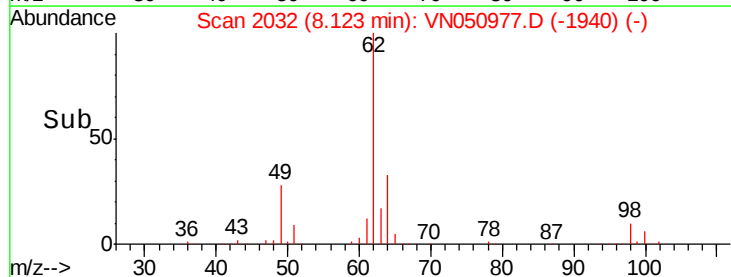
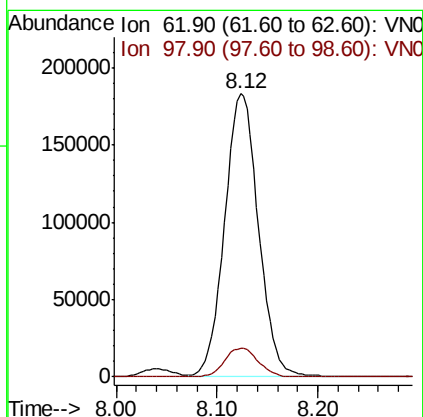
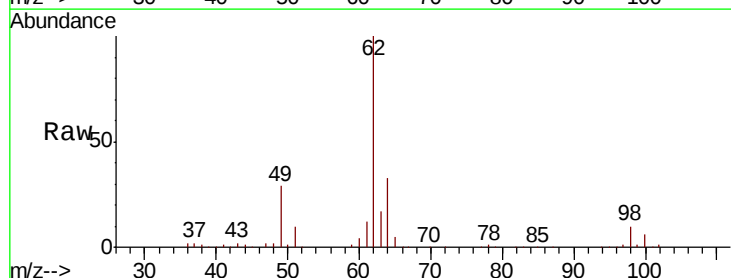
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

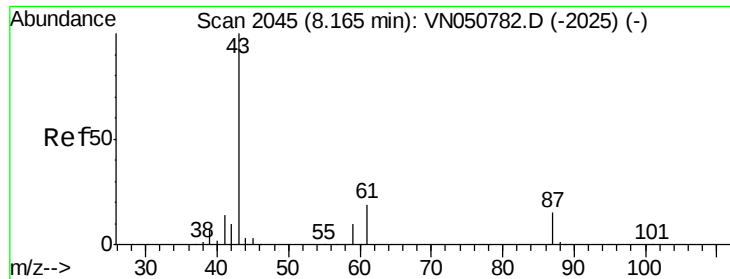
Tot Ion:	41	Resp:	145671
Ion	Ratio	Lower	Upper
41	100		
39	56.8	45.4	68.0
67	85.0	70.6	106.0
52	34.3	27.1	40.7



#42
1,2-Dichloroethane
Concen: 48.51 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion:	62	Resp:	425874
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 48.23 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

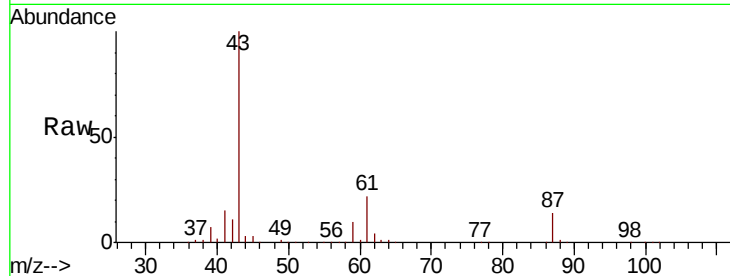
Tot Ion: 43 Resp: 463806

Ion Ratio Lower Upper

43 100

61 31.0 17.5 26.3#

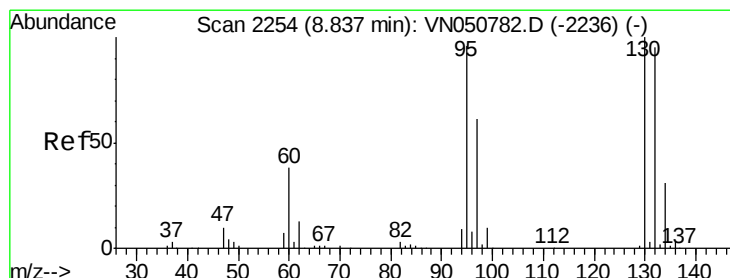
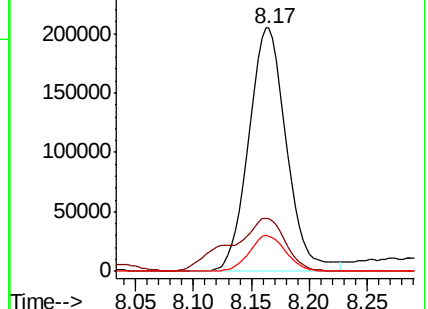
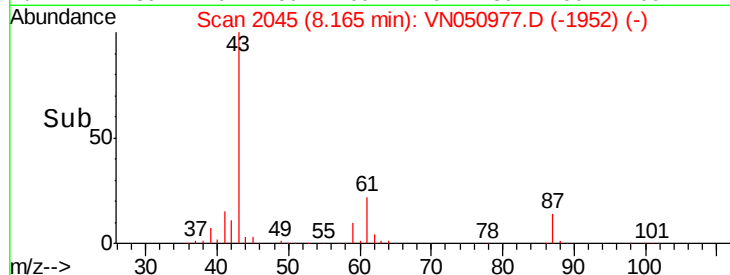
87 14.2 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050977.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050977.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050977.D (-1952) (-)



#44

Trichloroethene

Concen: 49.58 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050977.D

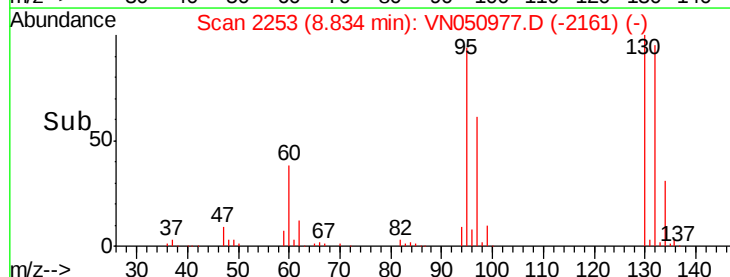
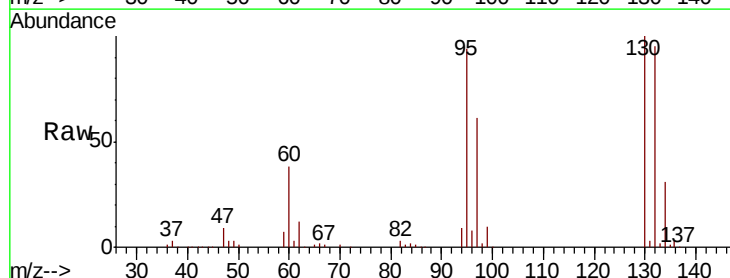
Acq: 31 Aug 2018 10:20

Tgt Ion: 130 Resp: 383896

Ion Ratio Lower Upper

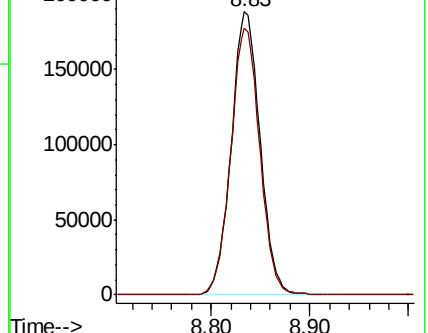
130 100

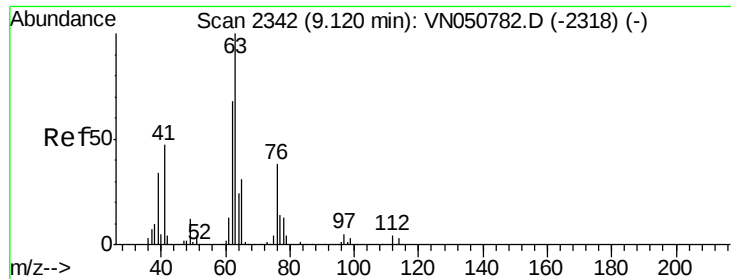
95 94.1 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050977.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050977.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 49.84 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

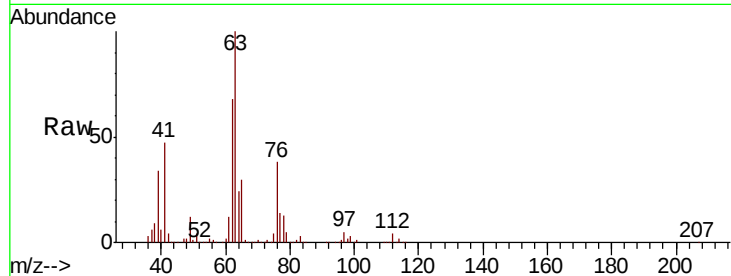
VSTDCCC050

Tot Ion: 63 Resp: 384628

Ion Ratio Lower Upper

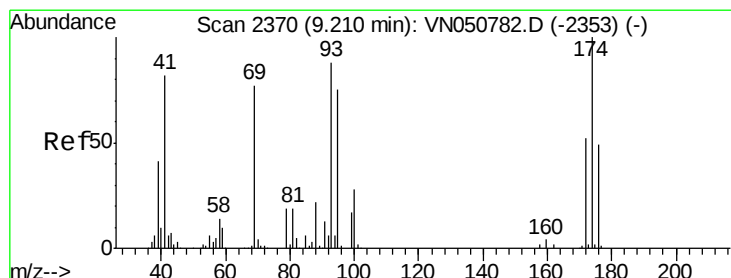
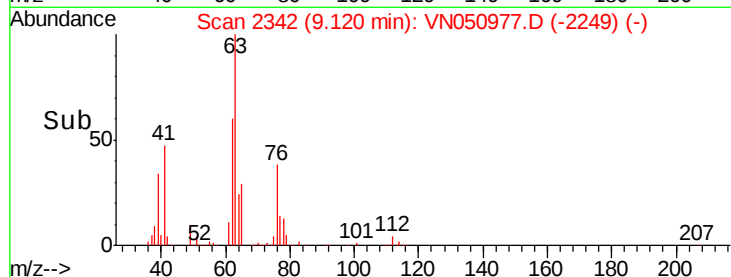
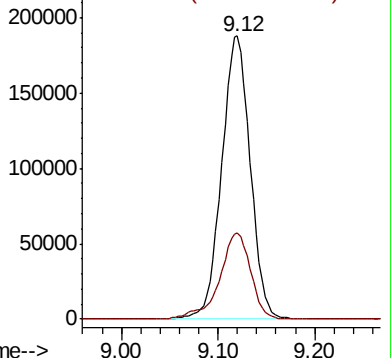
63 100

65 30.3 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.04 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

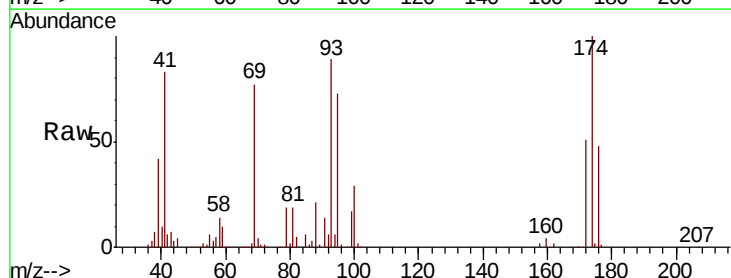
Tgt Ion: 93 Resp: 222331

Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

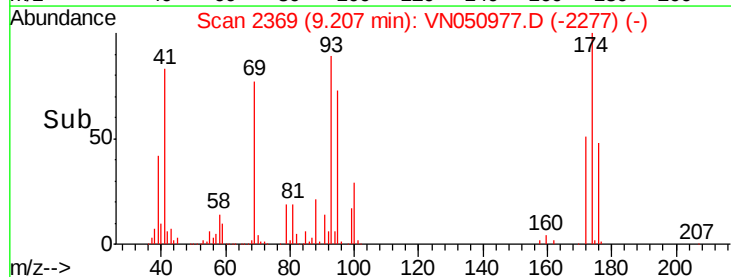
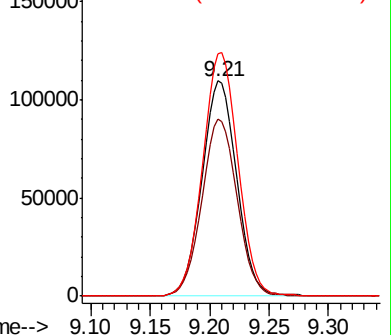
174 114.6 89.8 134.6

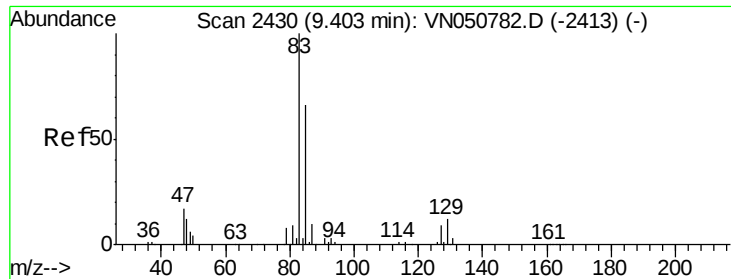


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

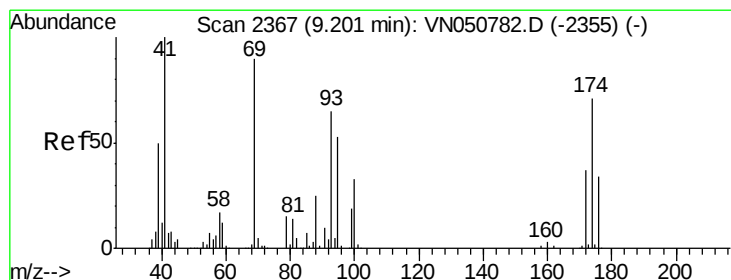
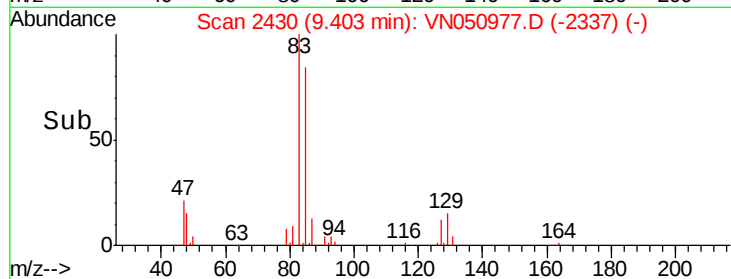
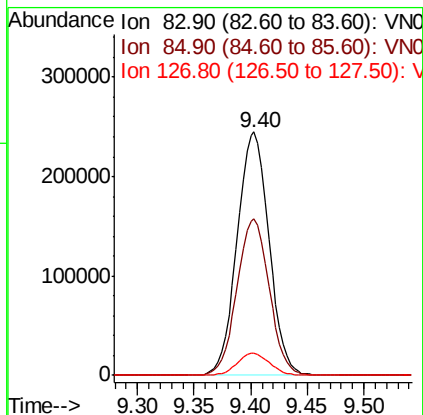
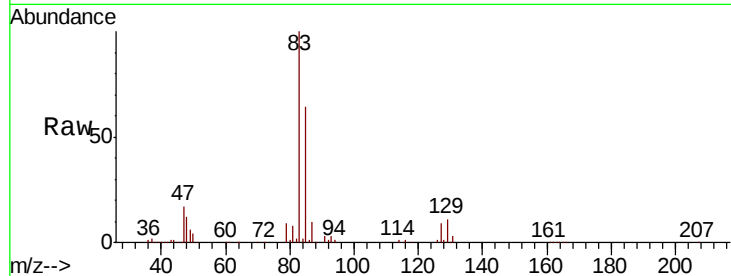




#47
 Bromodichloromethane
 Concen: 50.78 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

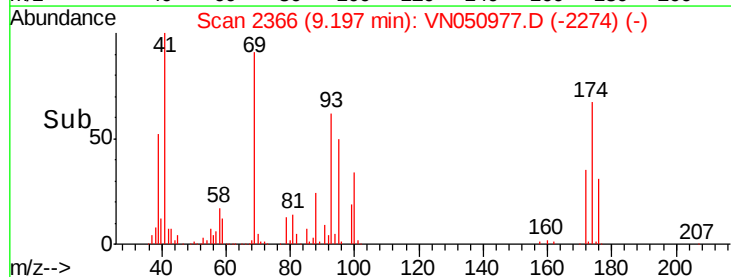
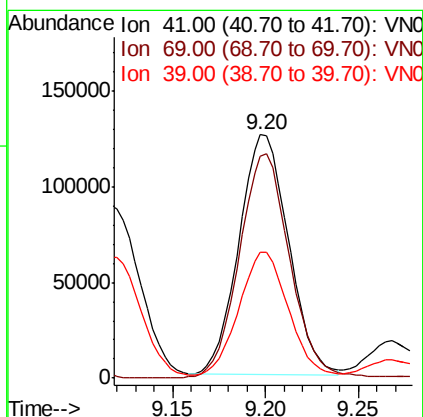
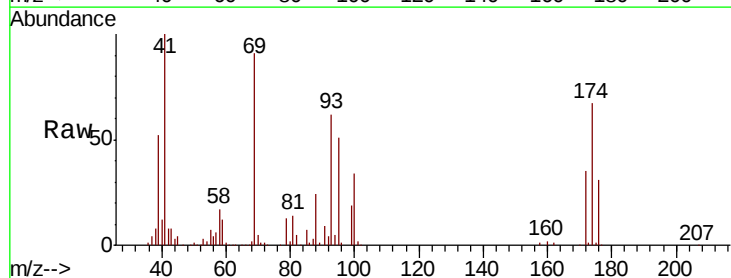
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

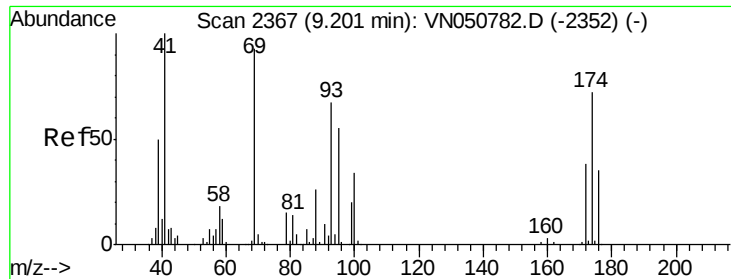
Tot Ion: 83 Resp: 482233
 Ion Ratio Lower Upper
 83 100
 85 64.4 52.6 78.8
 127 9.0 7.2 10.8



#48
 Methyl methacrylate
 Concen: 47.63 ug/l
 RT: 9.20 min Scan# 2366
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 41 Resp: 233418
 Ion Ratio Lower Upper
 41 100
 69 95.9 74.7 112.1
 39 52.6 42.2 63.2





#49

1,4-Dioxane

Concen: 951.73 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

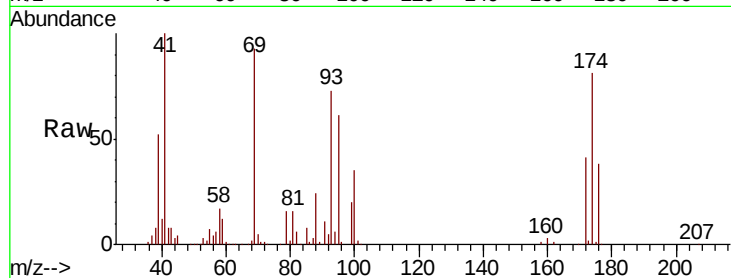
Tot Ion: 88 Resp: 63587

Ion Ratio Lower Upper

88 100

43 31.1 25.9 38.9

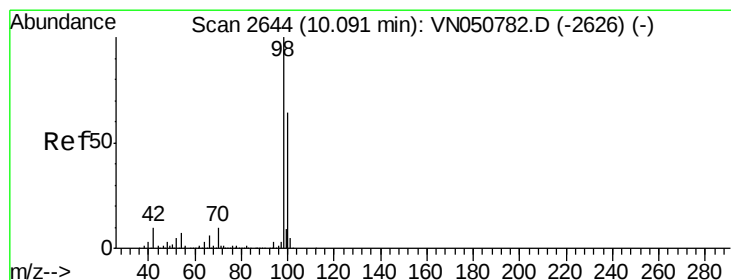
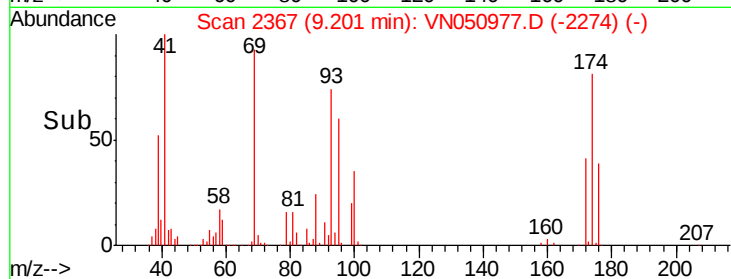
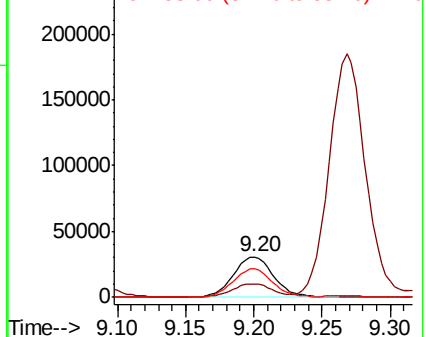
58 69.2 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN050977.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN050977.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN050977.D (-2274) (-)



#50

Toluene-d8

Concen: 51.67 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050977.D

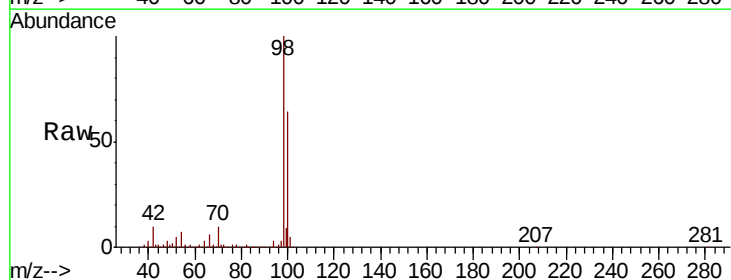
Acq: 31 Aug 2018 10:20

Tgt Ion: 98 Resp: 1268018

Ion Ratio Lower Upper

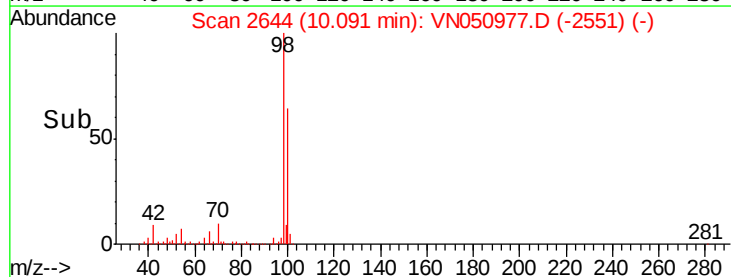
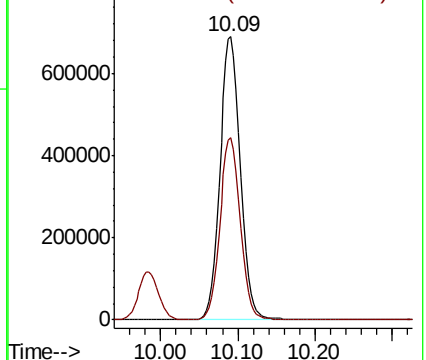
98 100

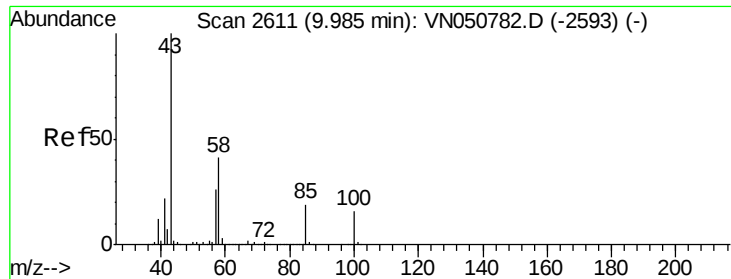
100 64.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050977.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN050977.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 228.01 ug/l

RT: 9.98 min Scan# 2610

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

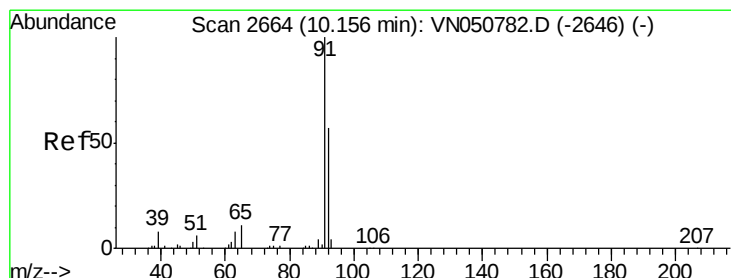
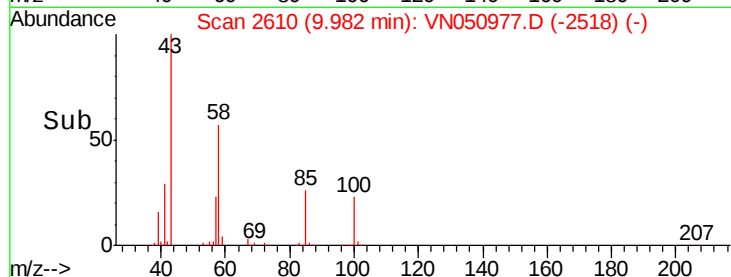
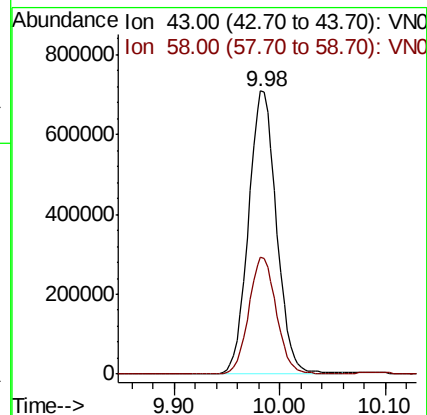
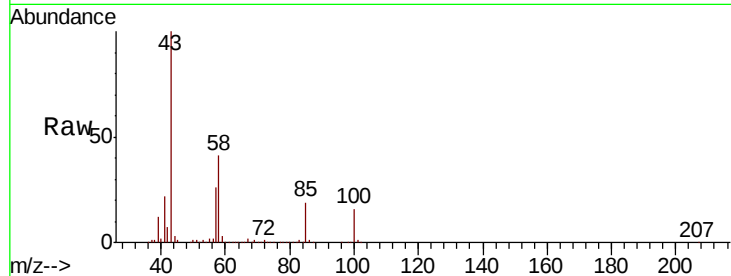
VSTDCCC050

Tot Ion: 43 Resp: 1308489

Ion Ratio Lower Upper

43 100

58 40.7 32.4 48.6



#52

Toluene

Concen: 52.25 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050977.D

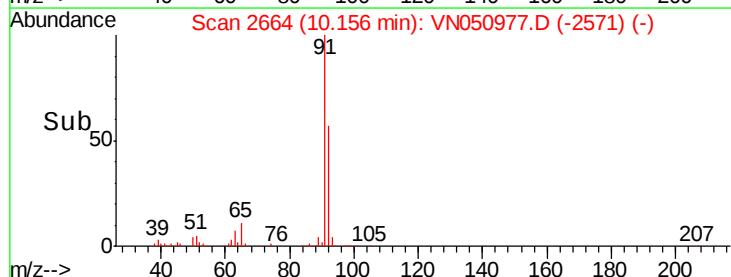
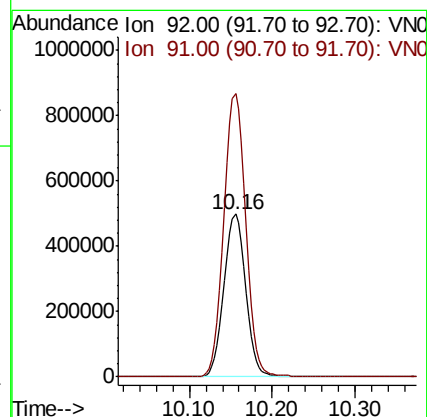
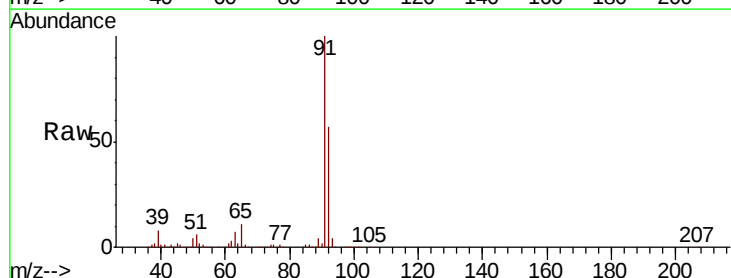
Acq: 31 Aug 2018 10:20

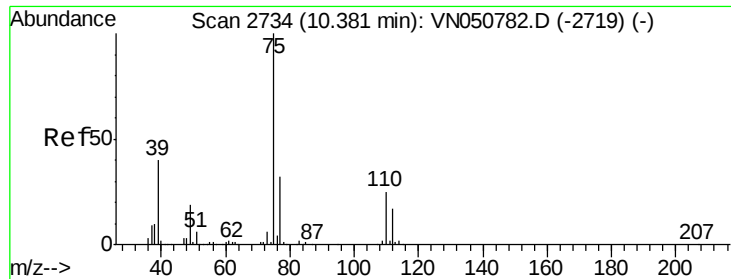
Tgt Ion: 92 Resp: 908791

Ion Ratio Lower Upper

92 100

91 175.2 140.6 211.0

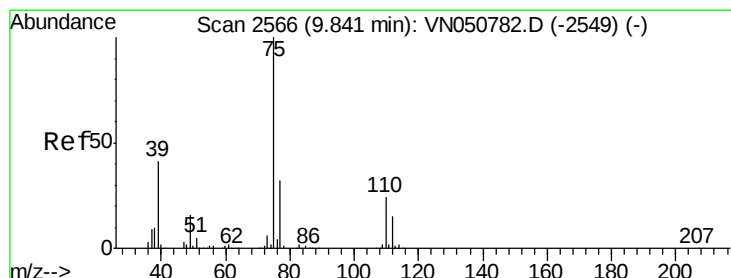
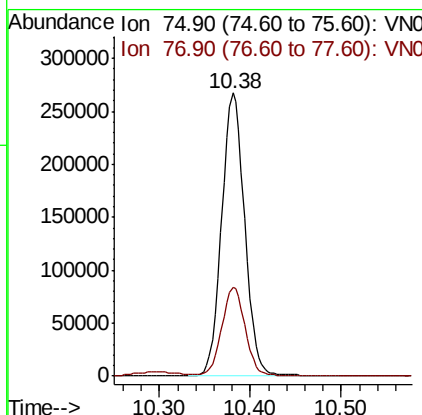
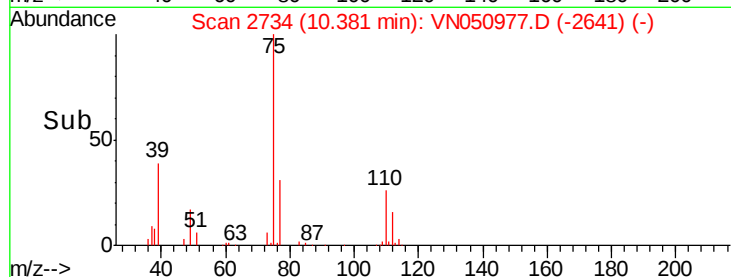
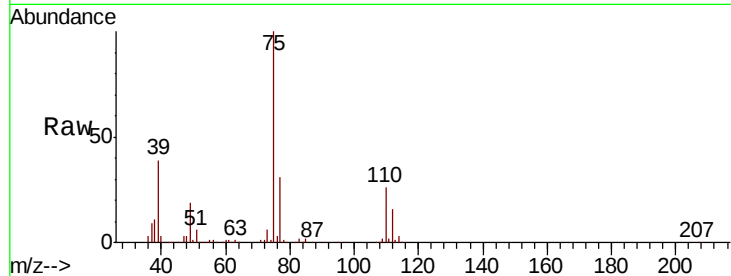




#53
 t-1,3-Dichloropropene
 Concen: 49.88 ug/l
 RT: 10.38 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

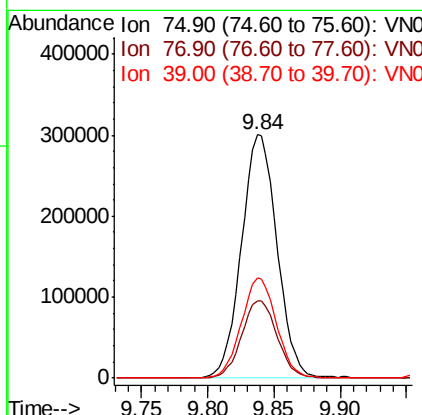
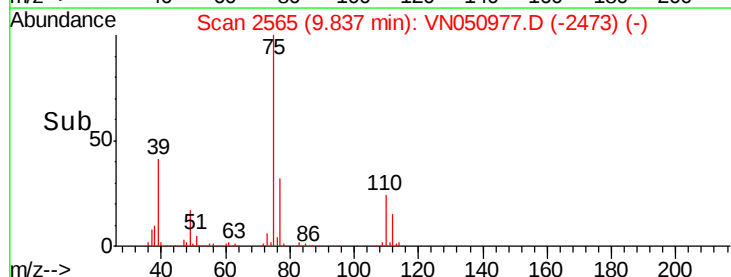
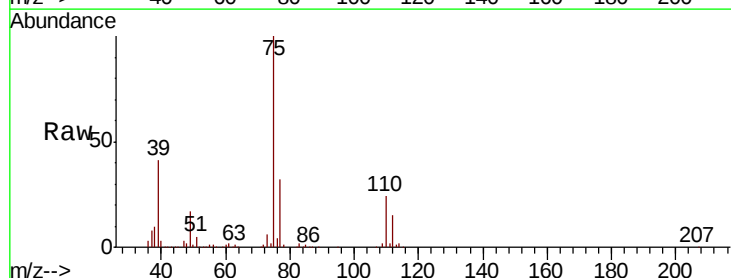
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

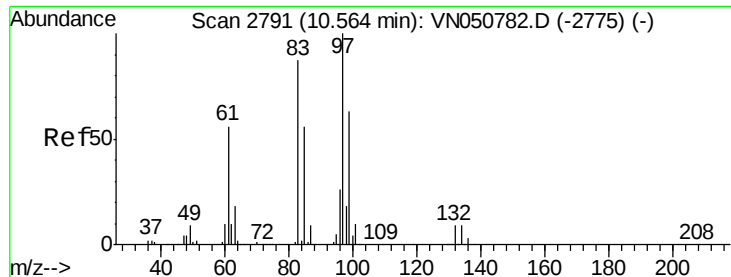
Tot Ion: 75 Resp: 471468
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.7 38.5



#54
 cis-1,3-Dichloropropene
 Concen: 51.59 ug/l
 RT: 9.84 min Scan# 2565
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 75 Resp: 558469
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2
 39 41.3 33.0 49.4

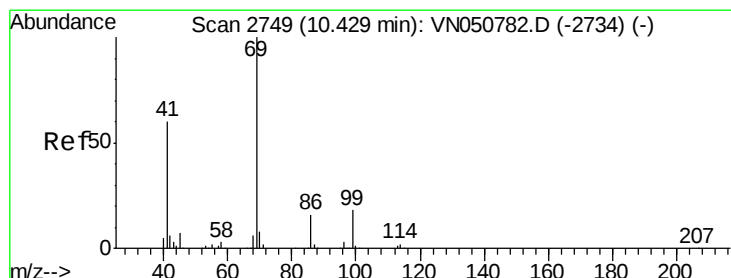
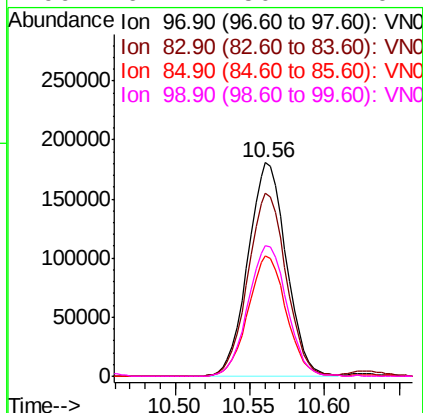
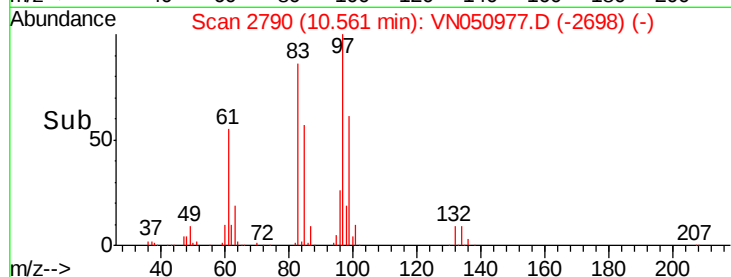
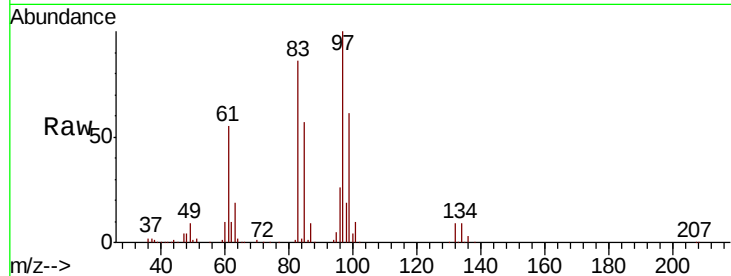




#55
 1,1,2-Trichloroethane
 Concen: 49.90 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

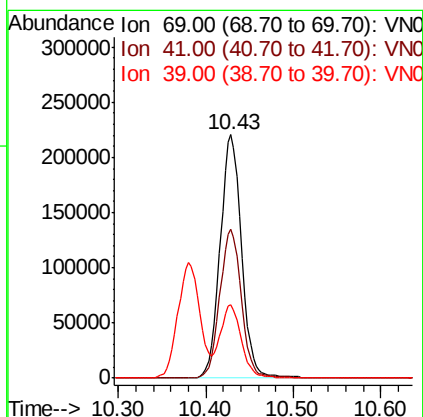
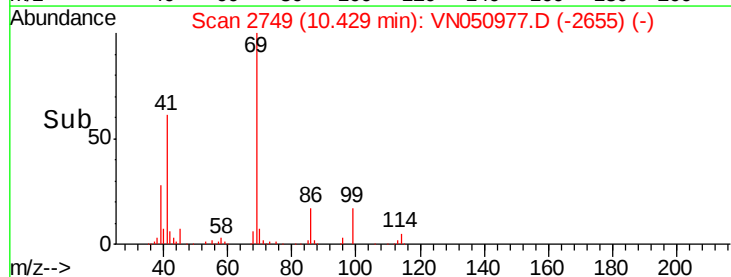
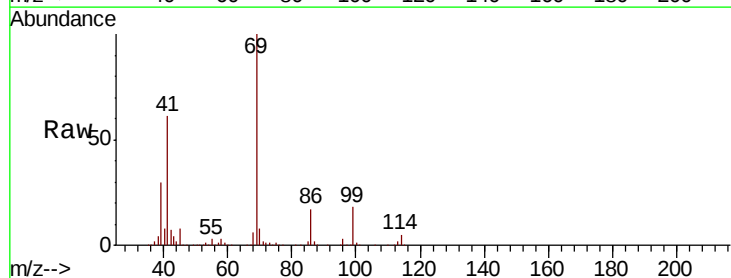
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	322162
Ion	Ratio	Lower	Upper
97	100		
83	85.6	69.7	104.5
85	56.6	44.5	66.7
99	61.1	50.7	76.1



#56
 Ethyl methacrylate
 Concen: 44.72 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion:	69	Resp:	373359
Ion	Ratio	Lower	Upper
69	100		
41	61.6	48.3	72.5
39	29.5	24.0	36.0





#57

1,3-Dichloropropane

Concen: 50.20 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

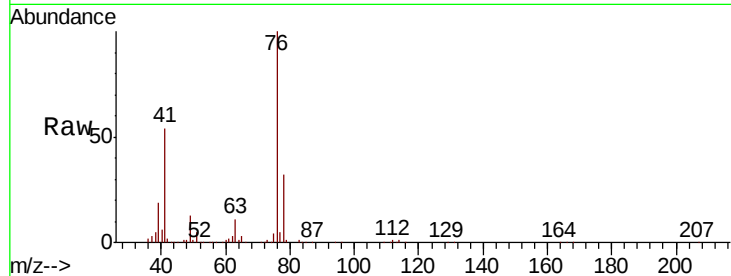
VSTDCCC050

Tot Ion: 76 Resp: 534863

Ion Ratio Lower Upper

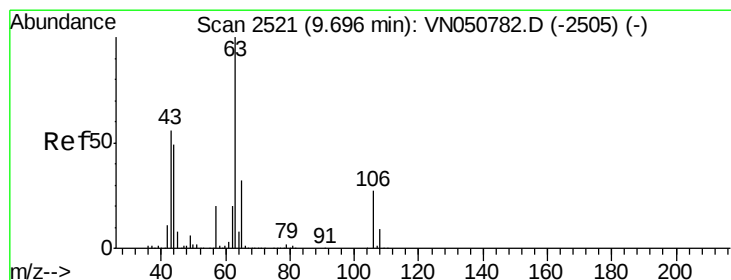
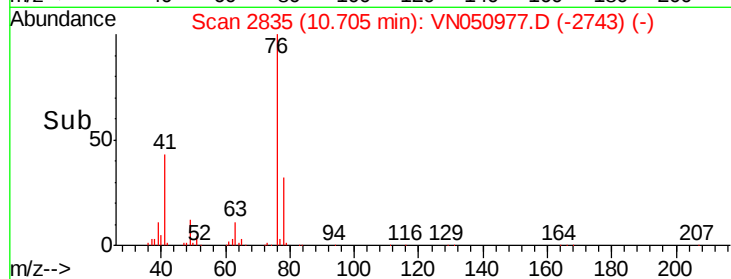
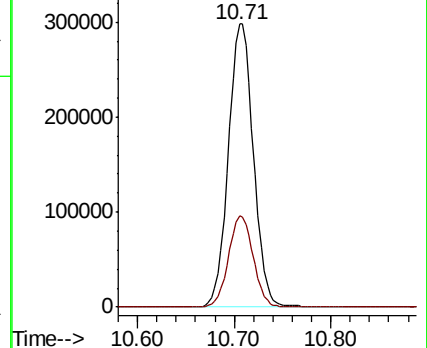
76 100

78 31.9 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: 214.85 ug/l

RT: 9.69 min Scan# 2520

Delta R.T. -0.00 min

Lab File: VN050977.D

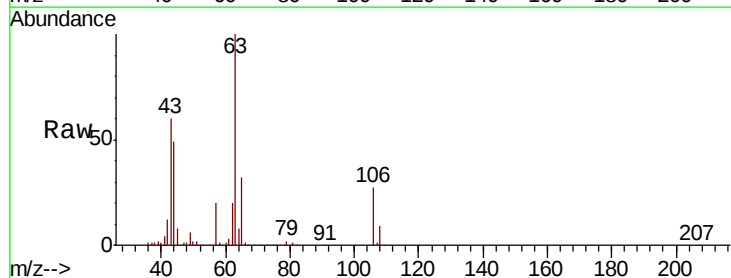
Acq: 31 Aug 2018 10:20

Tgt Ion: 63 Resp: 780696

Ion Ratio Lower Upper

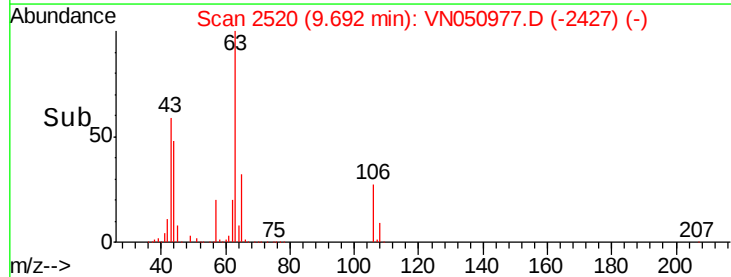
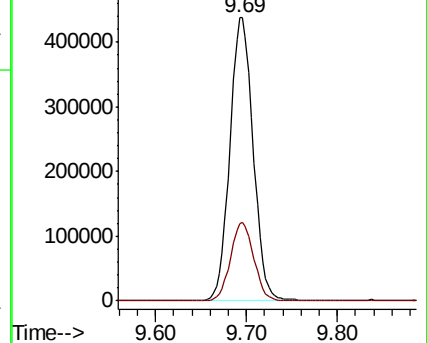
63 100

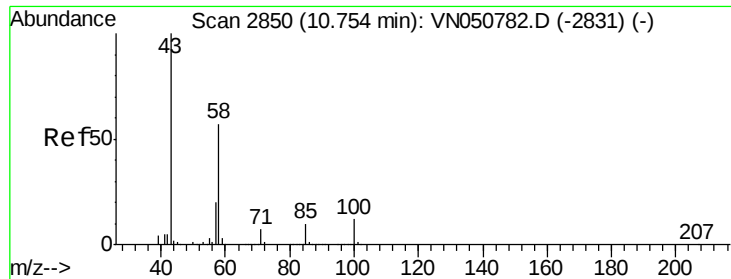
106 27.6 21.9 32.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

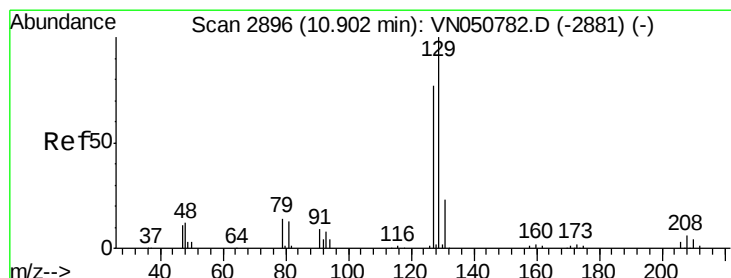
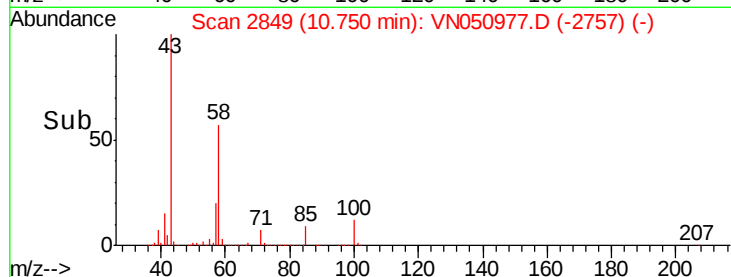
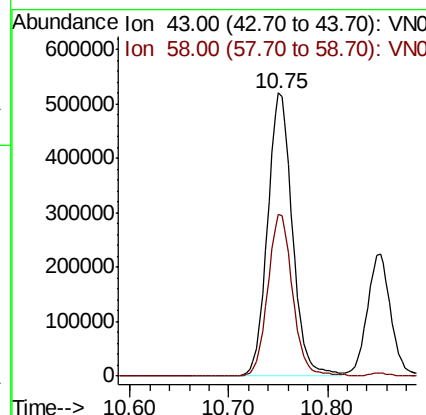
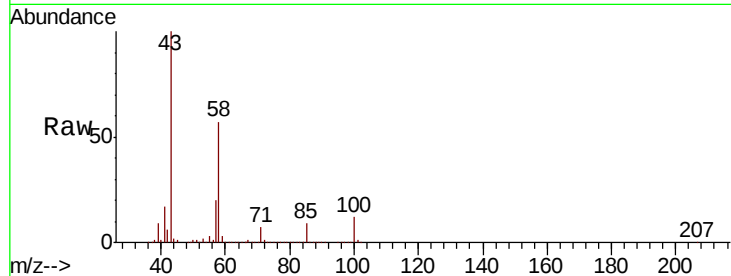




#59
2-Hexanone
Concen: 235.25 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

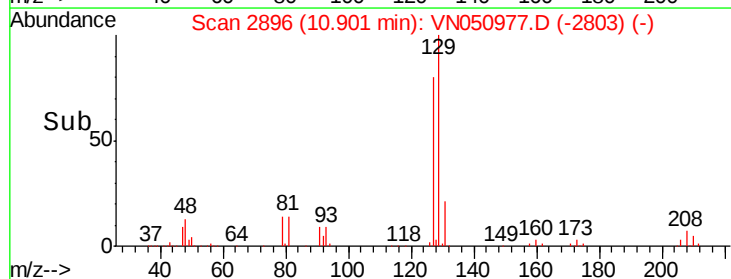
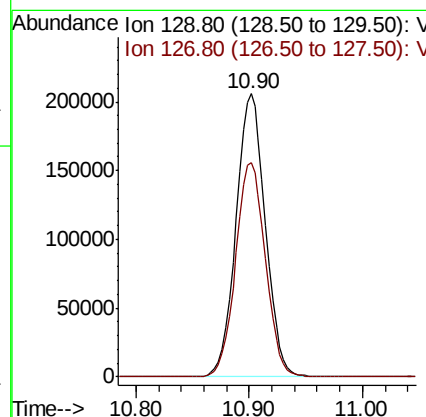
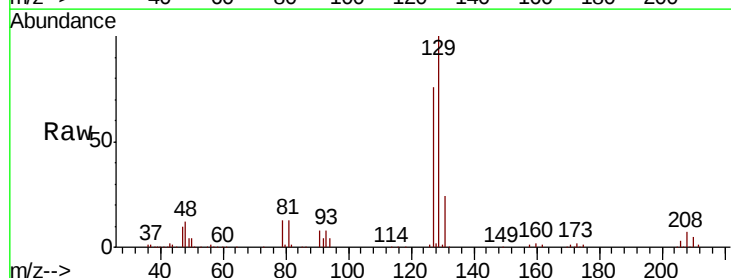
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

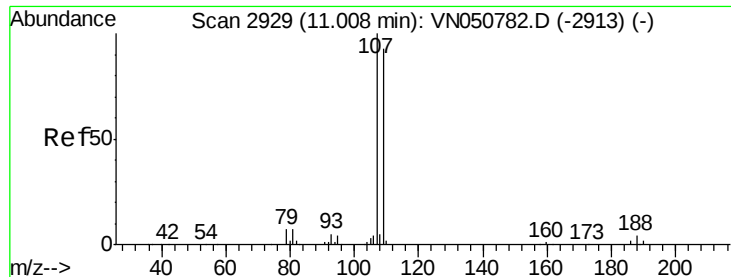
Tot Ion: 43 Resp: 898742
Ion Ratio Lower Upper
43 100
58 57.1 28.3 85.0



#60
Dibromochloromethane
Concen: 51.16 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 129 Resp: 369789
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9

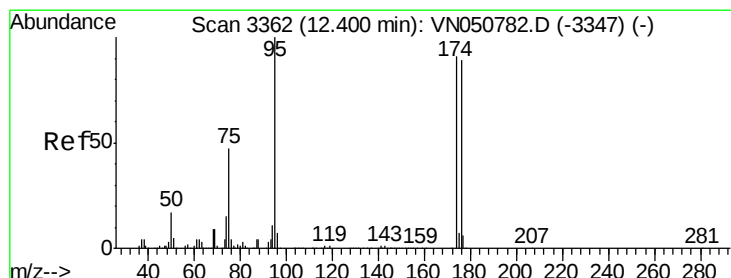
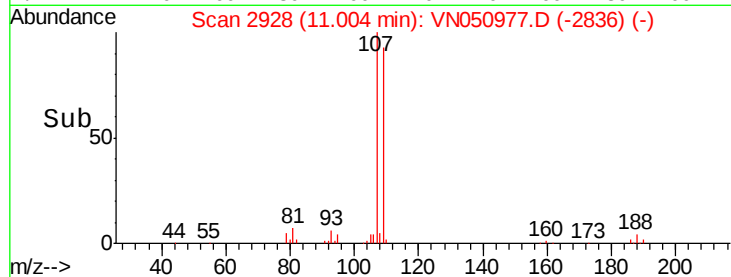
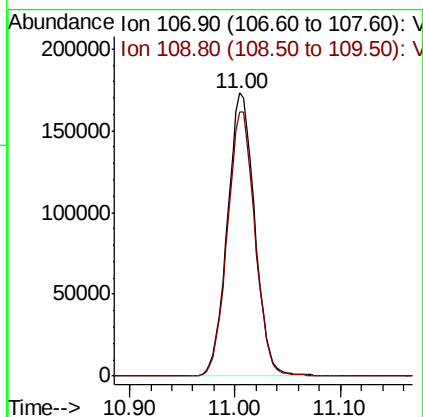
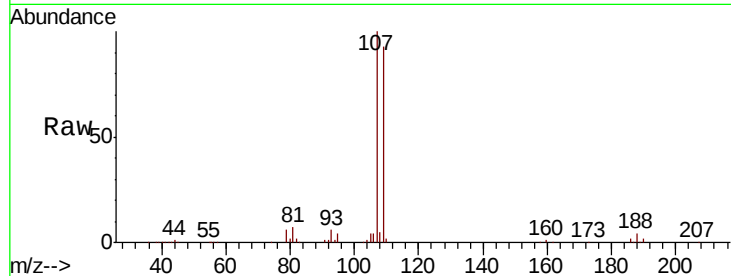




#61
 1,2-Dibromoethane
 Concen: 49.72 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

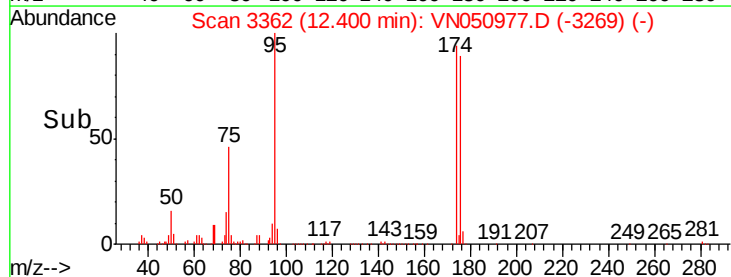
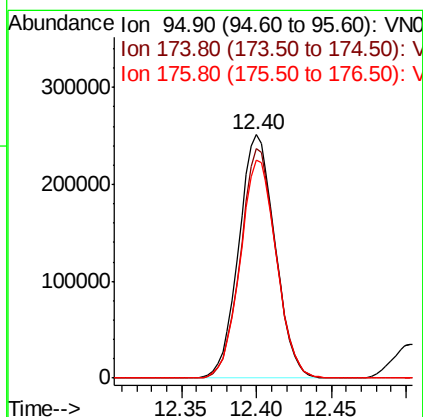
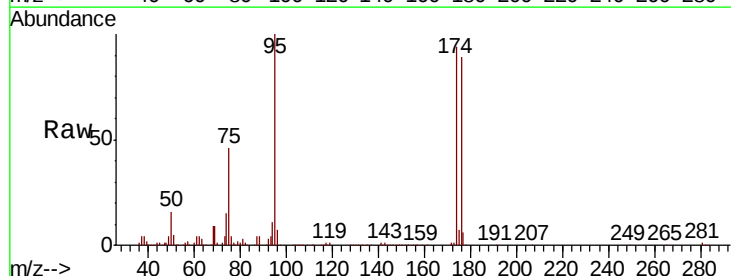
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

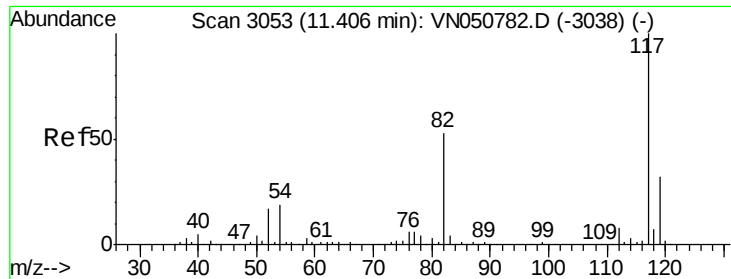
Tot Ion:107 Resp: 310384
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 51.89 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion: 95 Resp: 423148
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 183.0
 176 89.5 0.0 178.8

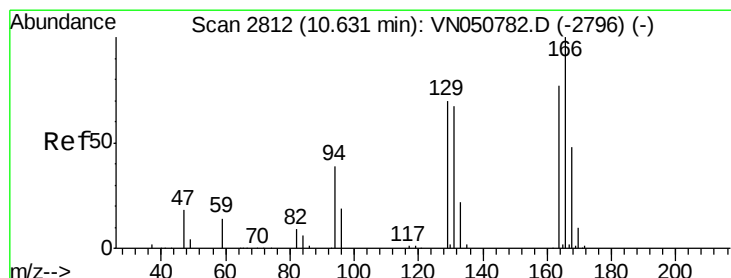
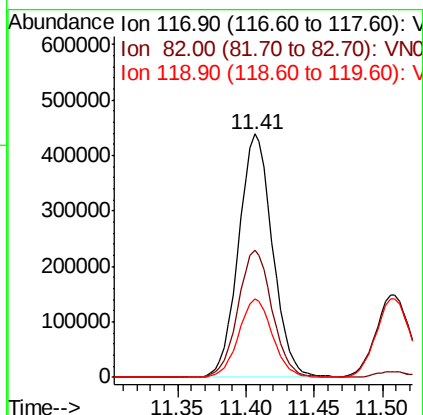
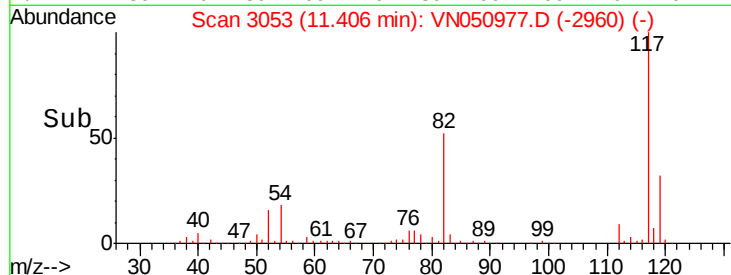
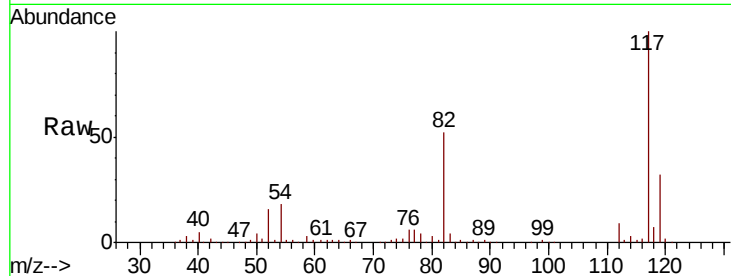




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

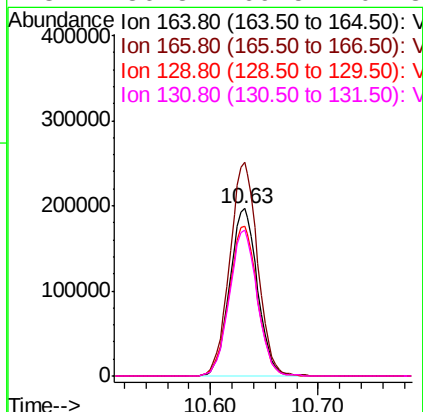
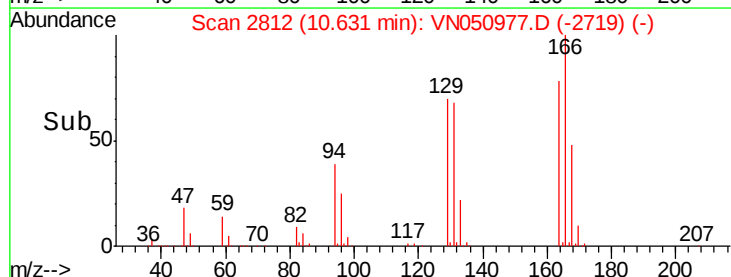
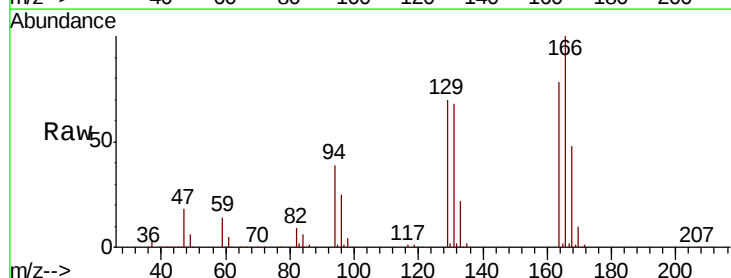
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

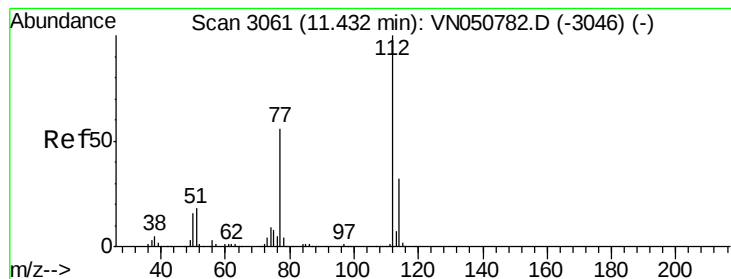
Tot Ion:117 Resp: 758549
Ion Ratio Lower Upper
117 100
82 52.1 42.6 64.0
119 32.0 25.8 38.6



#64
Tetrachloroethene
Concen: 48.90 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion:164 Resp: 352341
Ion Ratio Lower Upper
164 100
166 127.8 103.5 155.3
129 89.9 72.7 109.1
131 86.8 69.5 104.3





#65

Chlorobenzene

Concen: 50.20 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

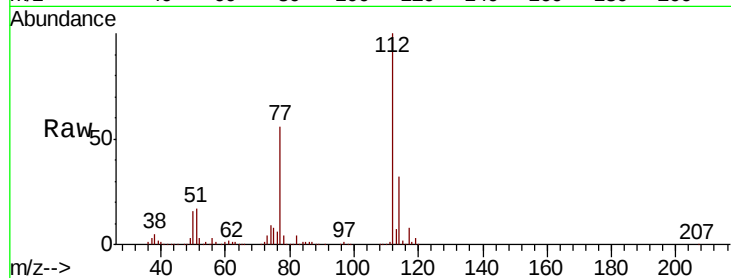
VSTDCCC050

Tot Ion:112 Resp: 995354

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

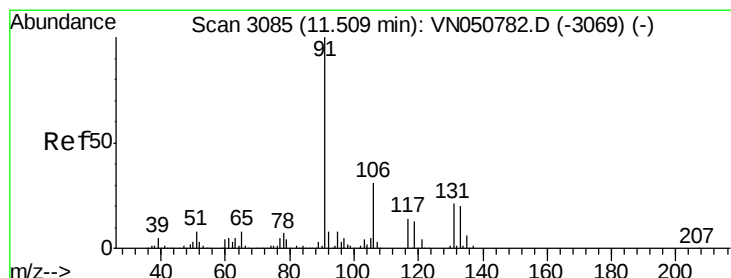
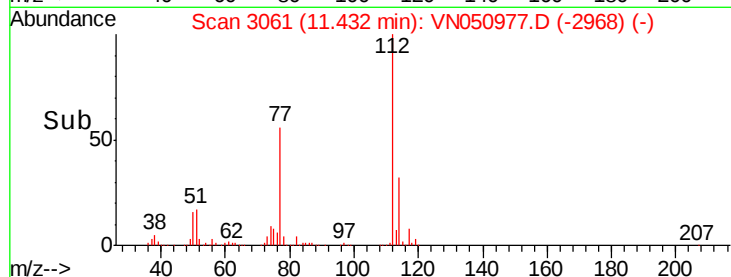
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.53 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

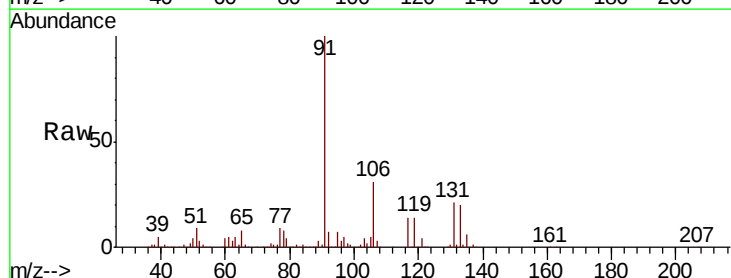
Tgt Ion:131 Resp: 373840

Ion Ratio Lower Upper

131 100

133 95.0 47.4 142.3

119 66.1 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

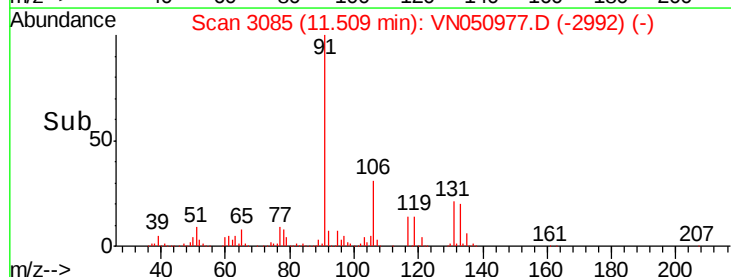
150000

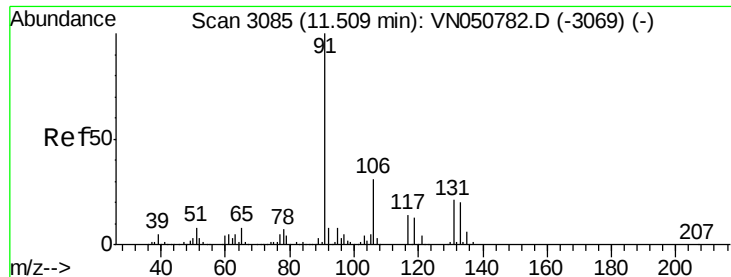
100000

50000

0

Time-->

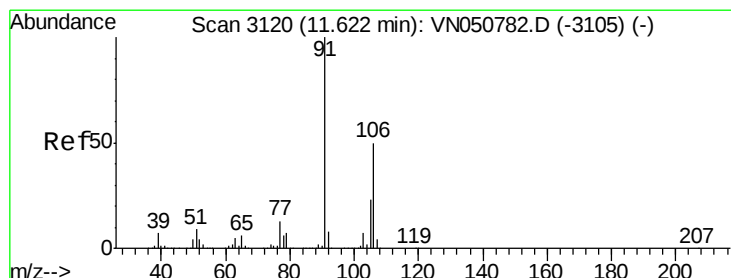
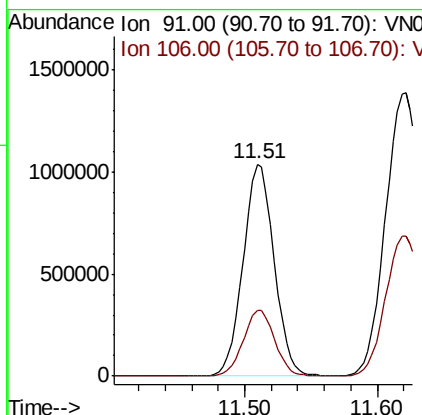
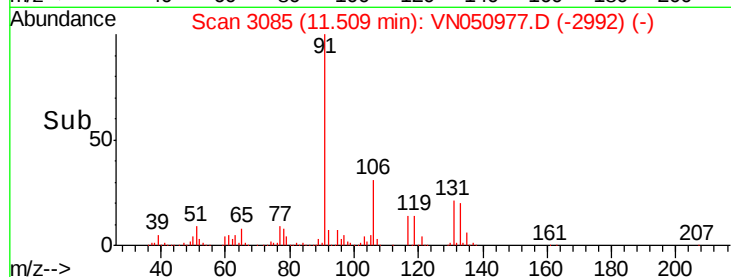
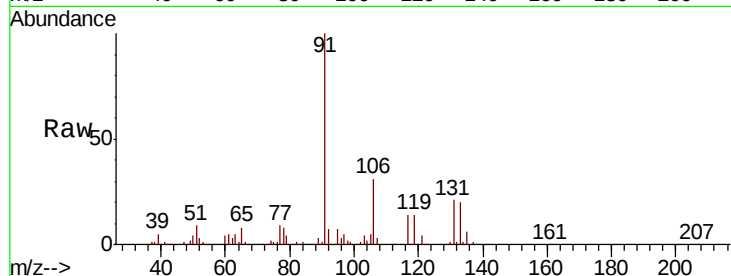




#67
Ethyl Benzene
Concen: 52.36 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

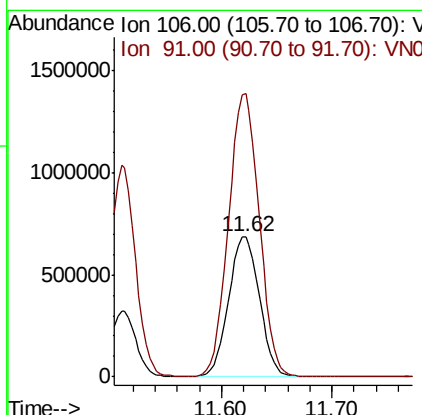
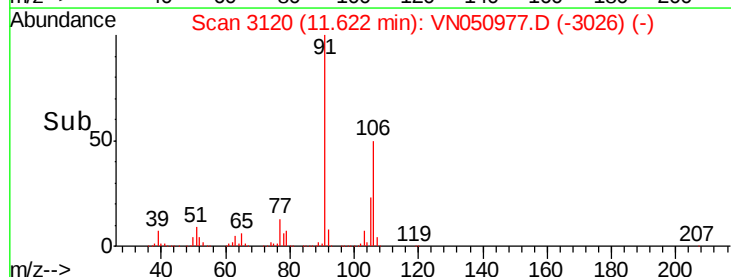
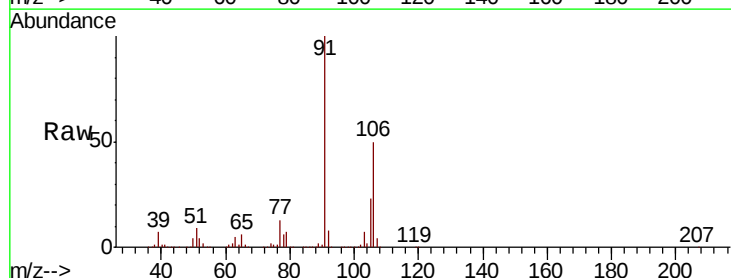
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1687806
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 108.73 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 106 Resp: 1330337
Ion Ratio Lower Upper
106 100
91 201.0 161.0 241.6

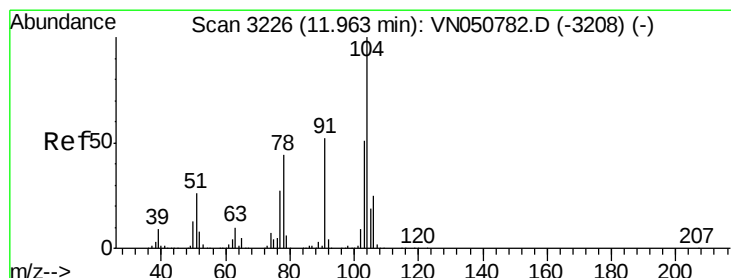
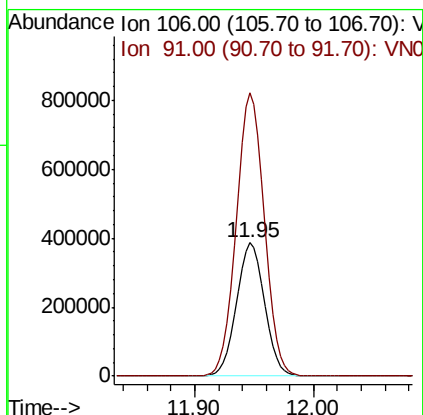
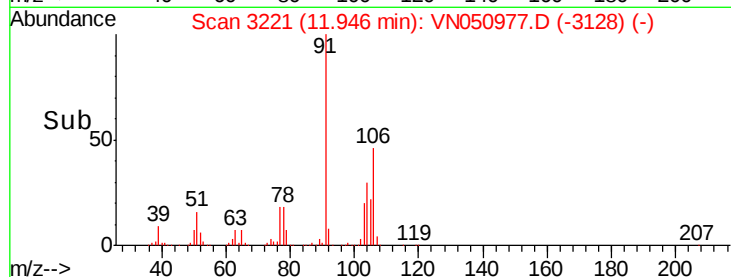
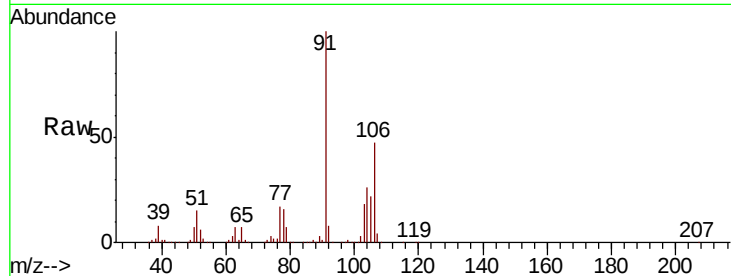




#69
o-Xylene
Concen: 53.67 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

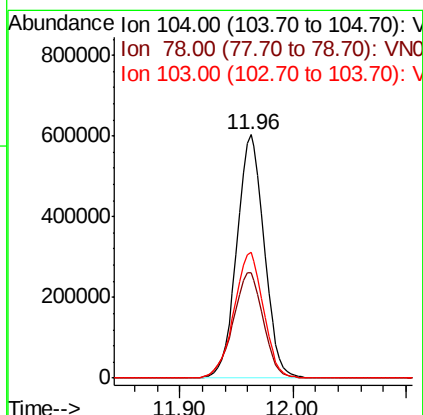
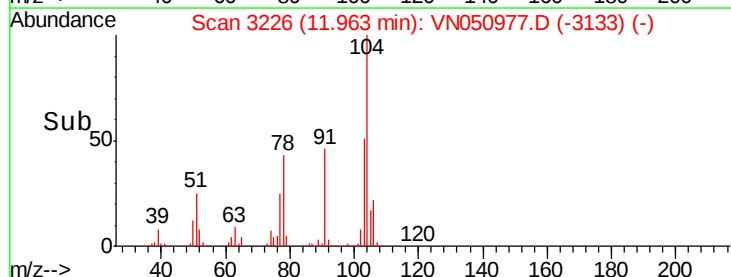
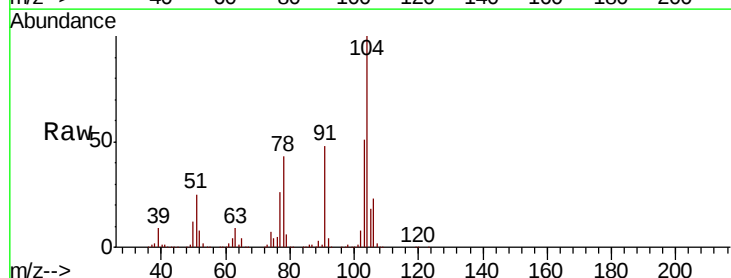
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

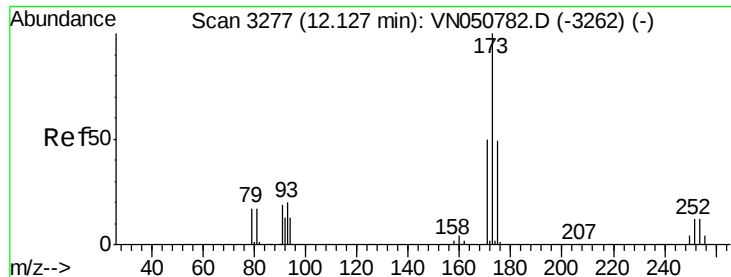
Tot Ion:106 Resp: 631242
Ion Ratio Lower Upper
106 100
91 212.4 106.5 319.5



#70
Styrene
Concen: 49.18 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion:104 Resp: 1018963
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.4
103 55.7 44.4 66.6





#71

Bromoform

Concen: 51.43 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

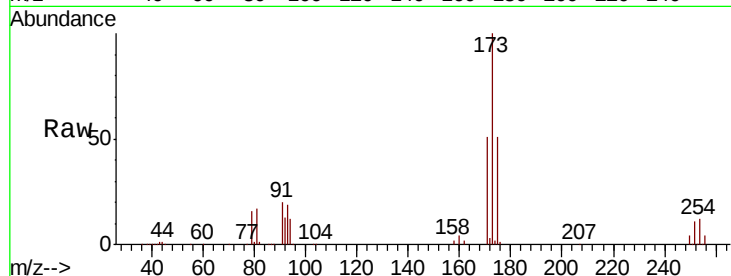
Tot Ion:173 Resp: 256585

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

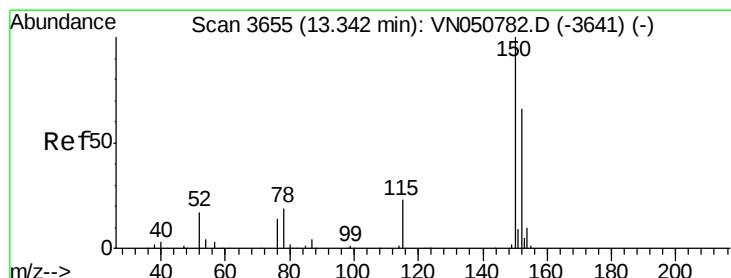
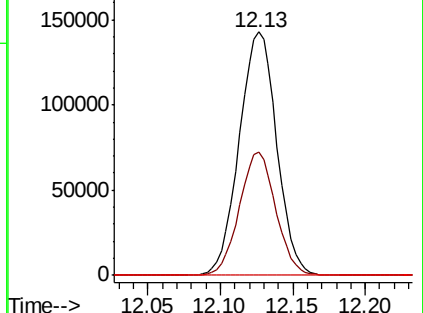
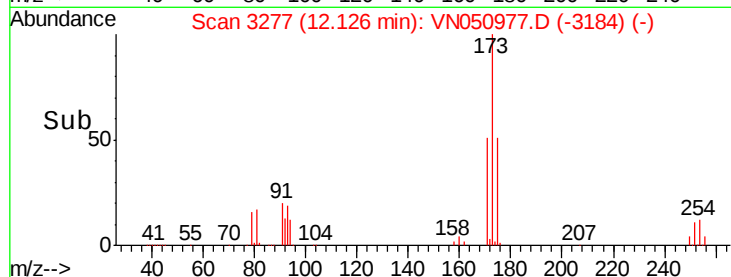
254 0.2 0.1 0.1#



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: VN050977.D

Acq: 31 Aug 2018 10:20

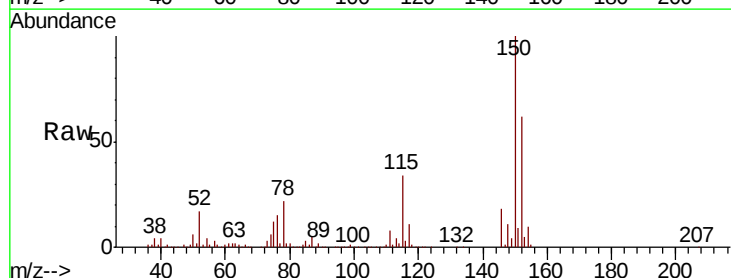
Tgt Ion:152 Resp: 394176

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

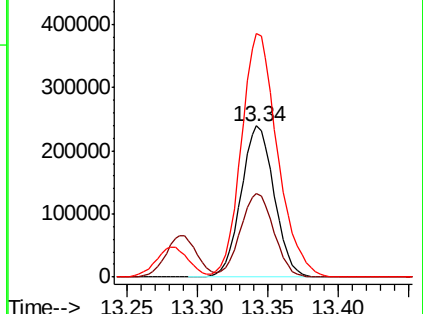
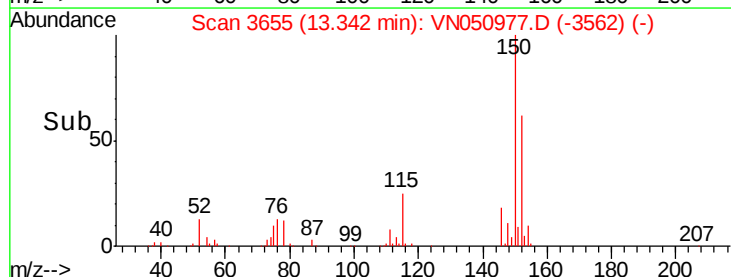
150 175.7 0.0 351.4

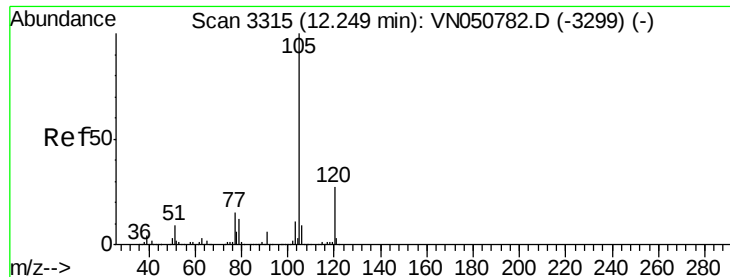


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.68 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

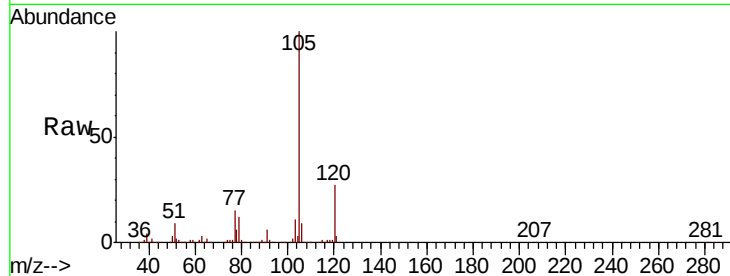
VSTDCCC050

Tot Ion:105 Resp: 1686716

Ion Ratio Lower Upper

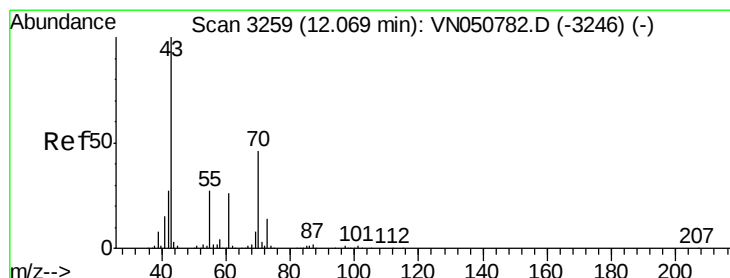
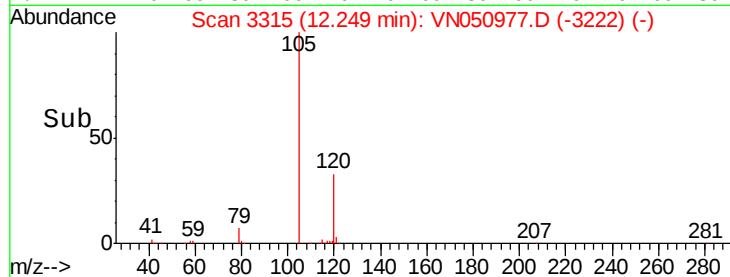
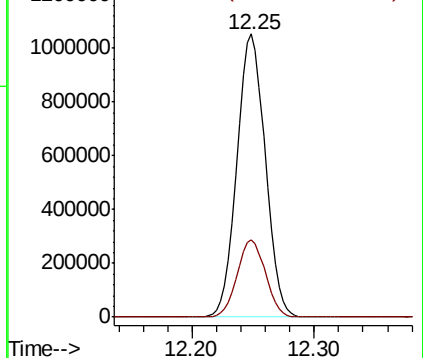
105 100

120 27.2 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: 45.45 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Tgt Ion: 43 Resp: 372753

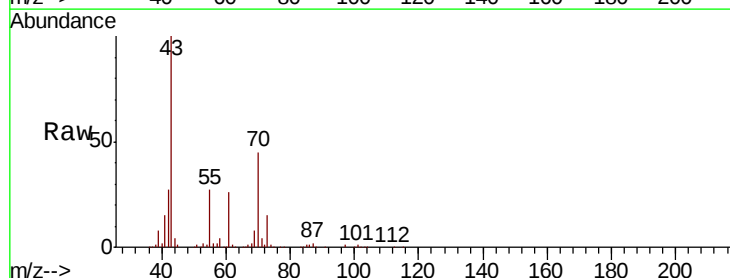
Ion Ratio Lower Upper

43 100

70 45.4 36.2 54.2

55 27.3 21.8 32.8

61 25.5 20.5 30.7

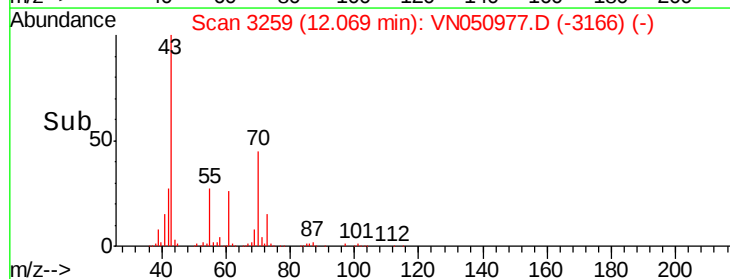
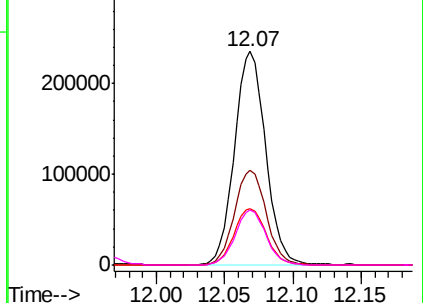


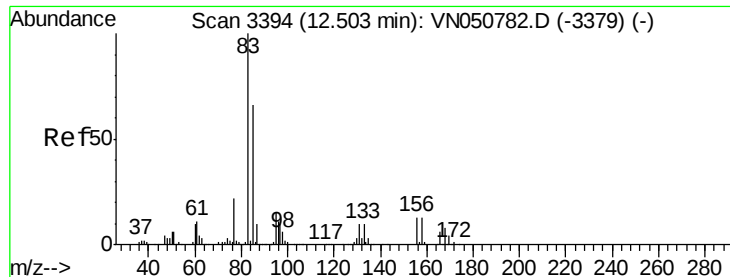
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.78 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

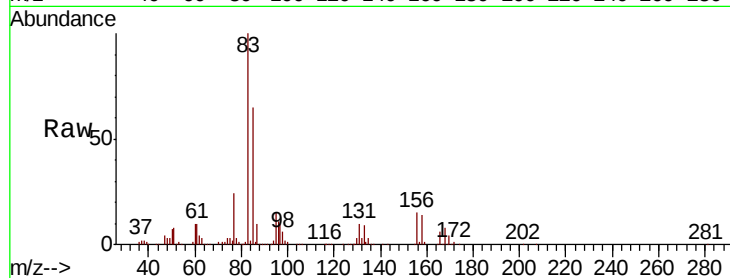
Tot Ion: 83 Resp: 387442

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

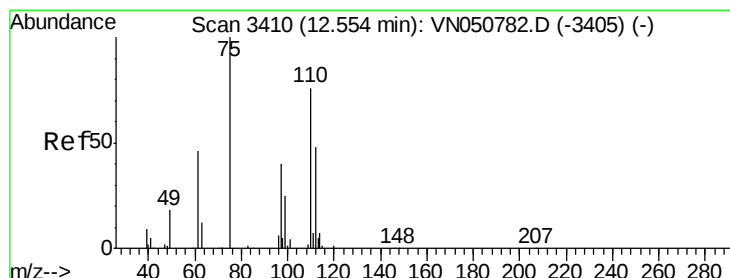
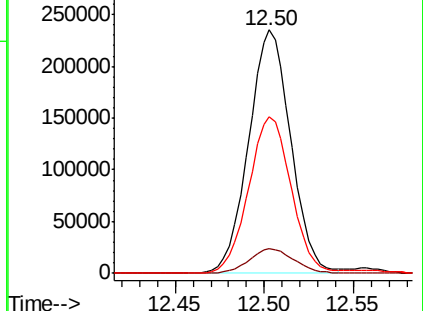
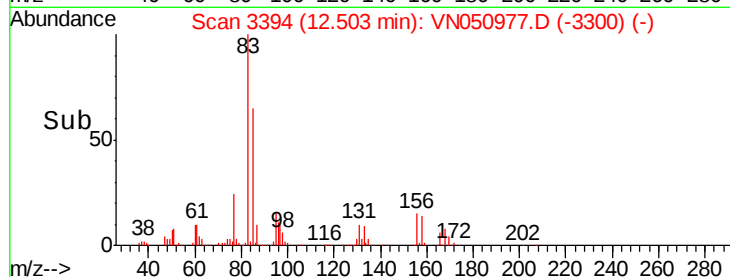
85 64.9 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN050977.D (-3300) (-)

Ion 130.80 (130.50 to 131.50): VN050977.D (-3300) (-)

Ion 84.90 (84.60 to 85.60): VN050977.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 66.27 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050977.D

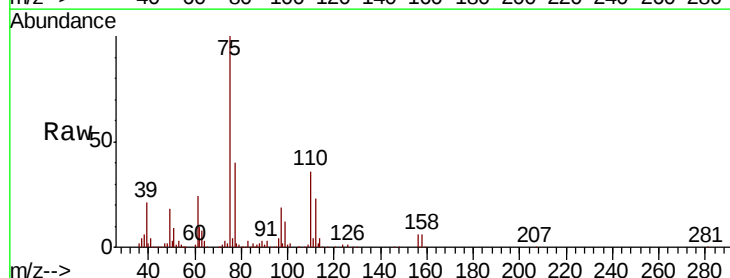
Acq: 31 Aug 2018 10:20

Tgt Ion: 75 Resp: 457513

Ion Ratio Lower Upper

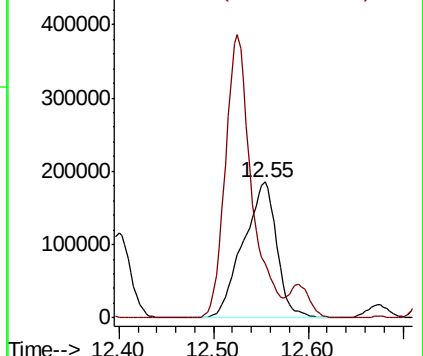
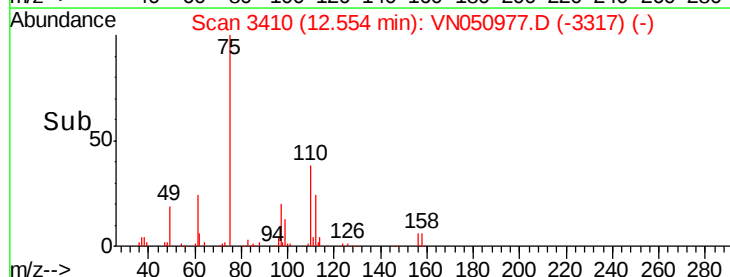
75 100

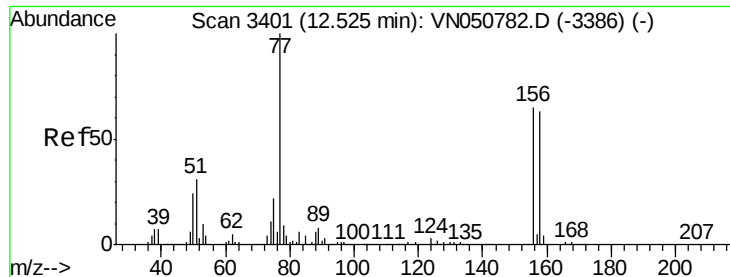
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050977.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN050977.D (-3317) (-)





#77

Bromobenzene

Concen: 48.47 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

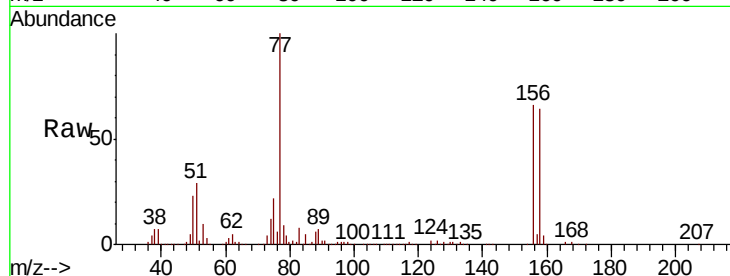
Tot Ion:156 Resp: 429961

Ion Ratio Lower Upper

156 100

77 174.0 89.9 269.7

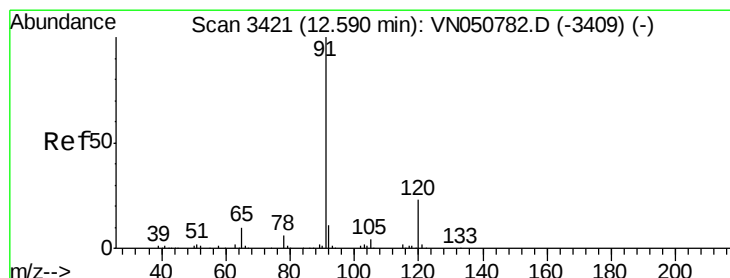
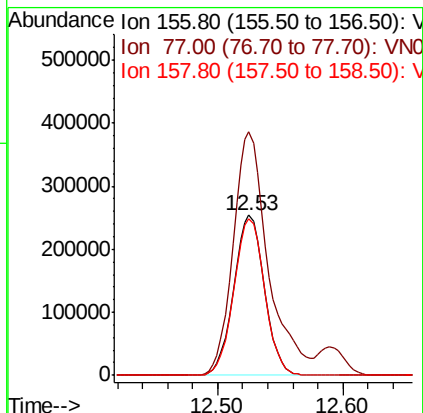
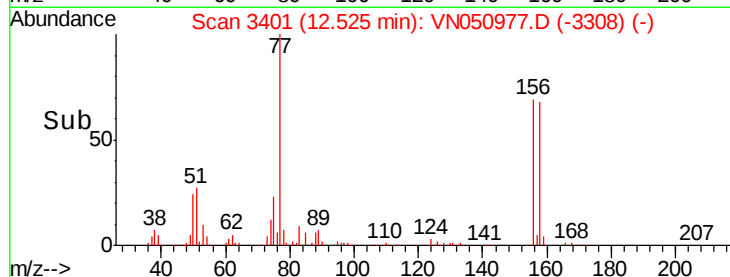
158 98.3 49.3 147.9



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: 53.25 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050977.D

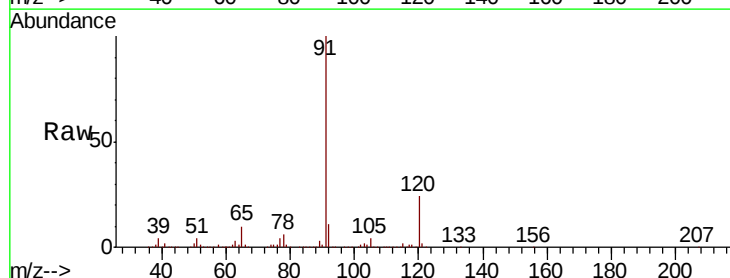
Acq: 31 Aug 2018 10:20

Tgt Ion: 91 Resp: 1941692

Ion Ratio Lower Upper

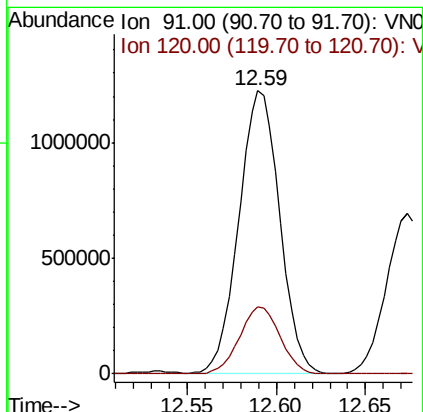
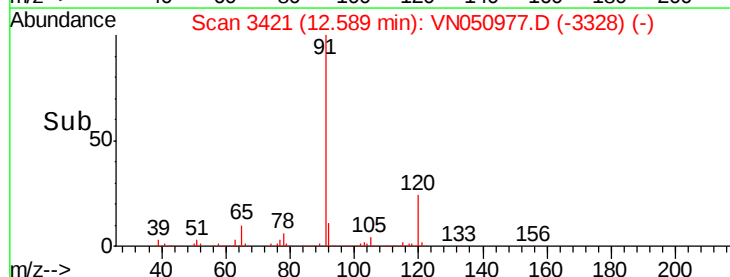
91 100

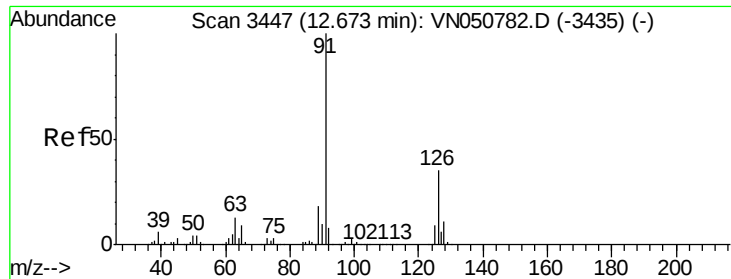
120 23.6 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.07 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

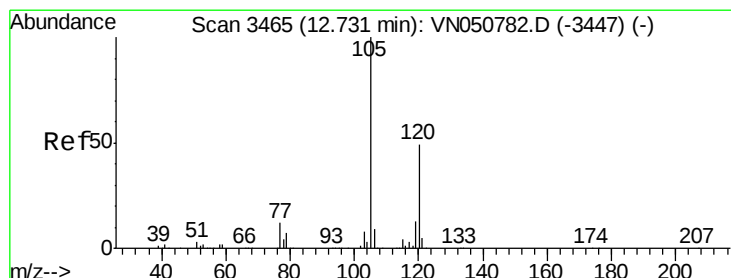
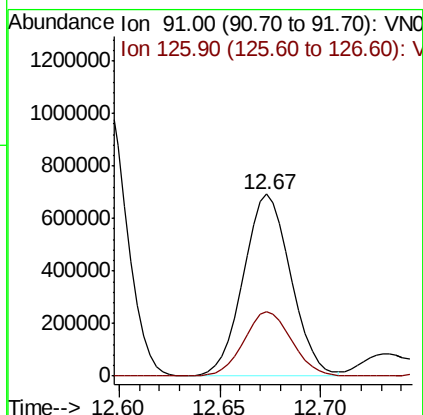
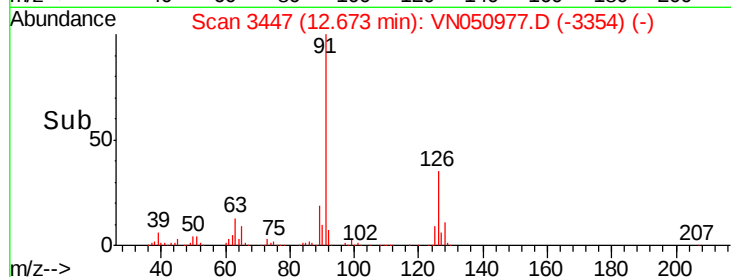
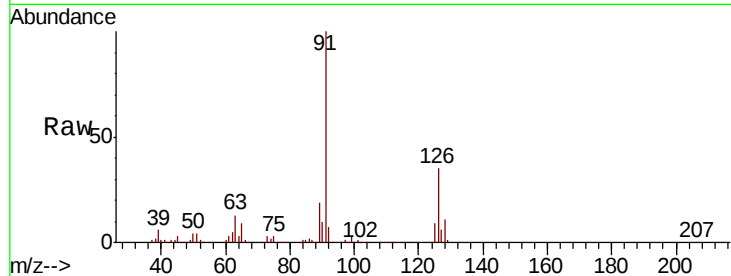
VSTDCCC050

Tot Ion: 91 Resp: 1137044

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 53.31 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050977.D

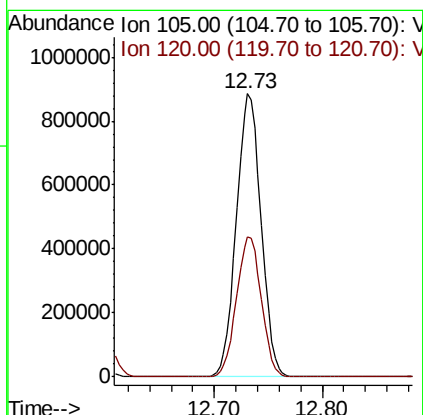
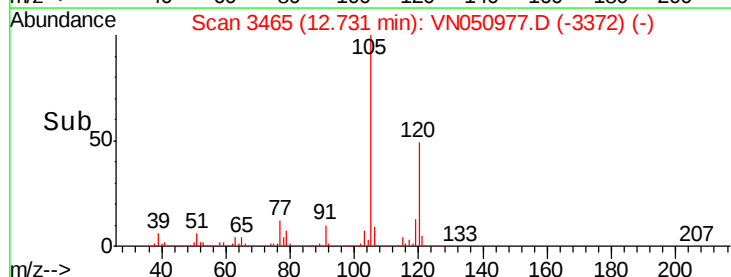
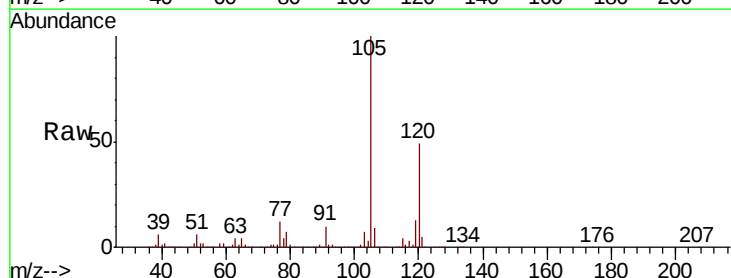
Acq: 31 Aug 2018 10:20

Tgt Ion: 105 Resp: 1403914

Ion Ratio Lower Upper

105 100

120 49.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 47.24 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

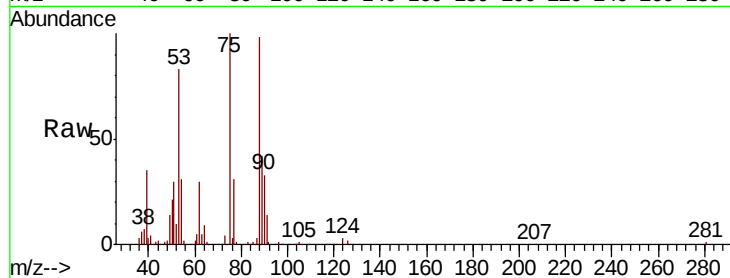
Tot Ion: 75 Resp: 96483

Ion Ratio Lower Upper

75 100

53 86.0 68.9 103.3

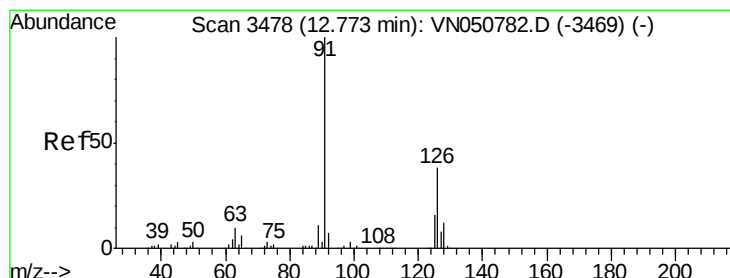
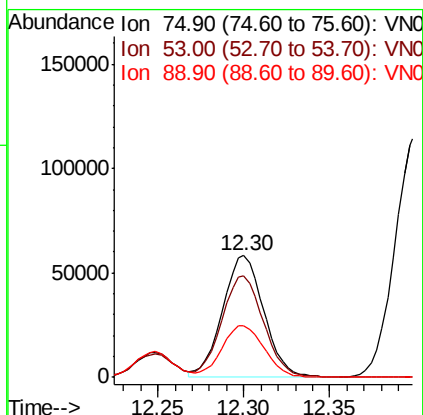
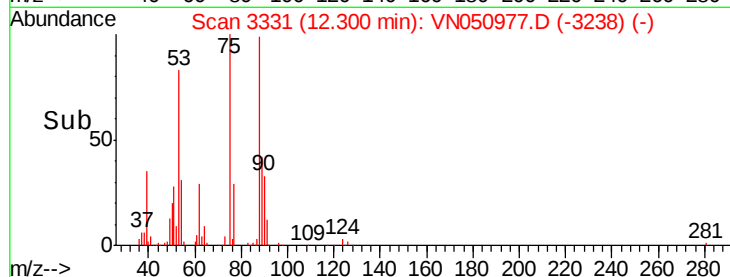
89 43.9 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 51.37 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050977.D

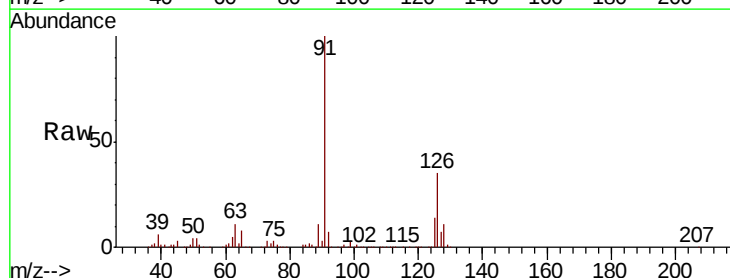
Acq: 31 Aug 2018 10:20

Tgt Ion: 91 Resp: 1151753

Ion Ratio Lower Upper

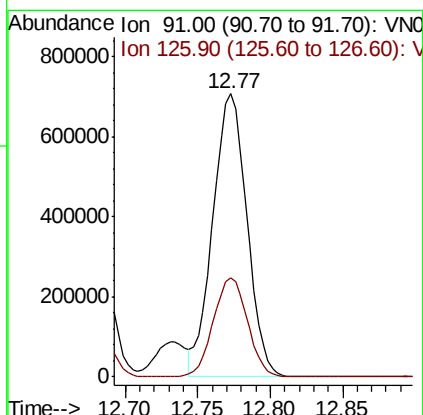
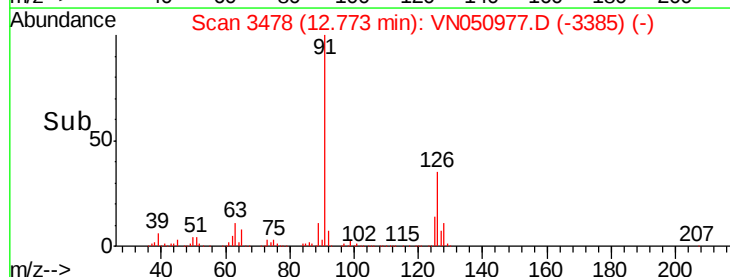
91 100

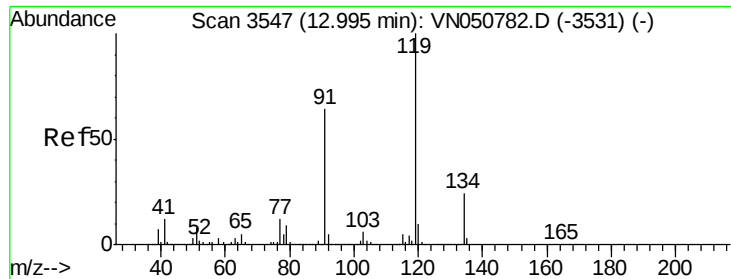
126 35.1 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

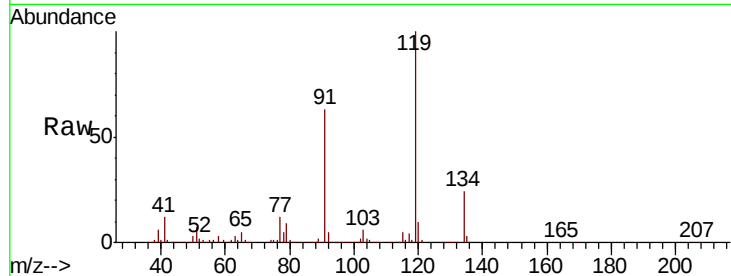




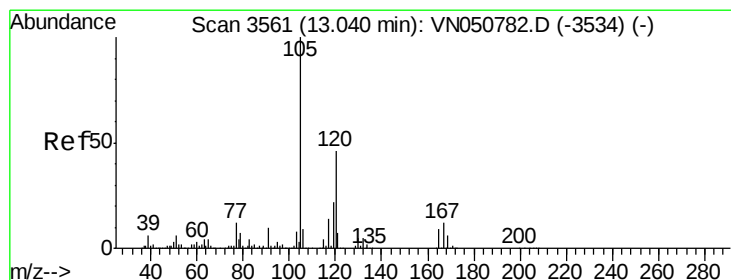
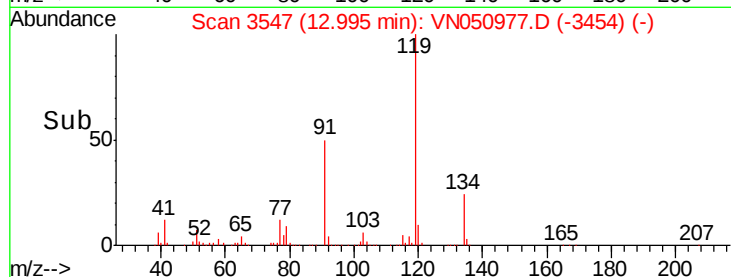
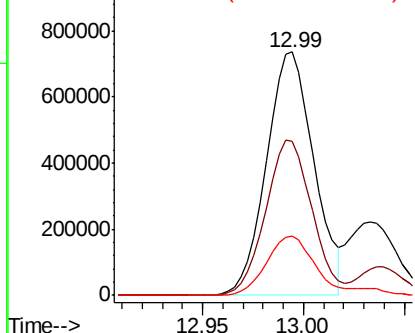
#83
 tert-Butylbenzene
 Concen: 52.72 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1202418
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.6 94.7
 134 24.6 13.4 40.1

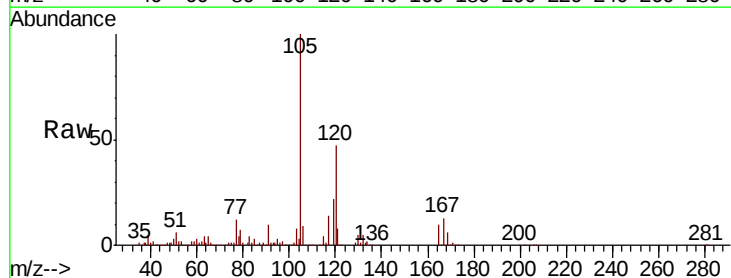


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

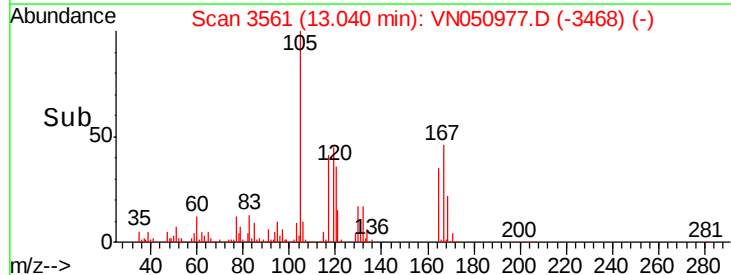
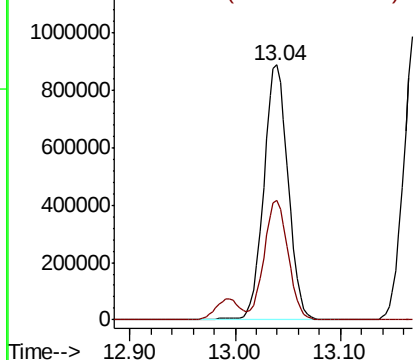


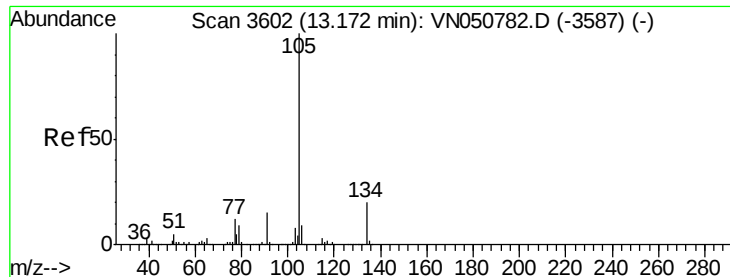
#84
 1,2,4-Trimethylbenzene
 Concen: 53.65 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion:105 Resp: 1421313
 Ion Ratio Lower Upper
 105 100
 120 46.5 22.9 68.8



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





#85

sec-Butylbenzene

Concen: 53.82 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

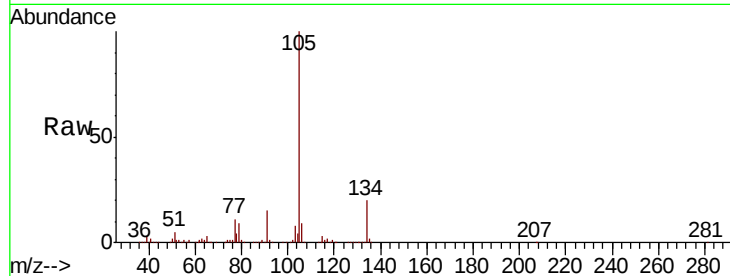
VSTDCCC050

Tot Ion:105 Resp: 1608559

Ion Ratio Lower Upper

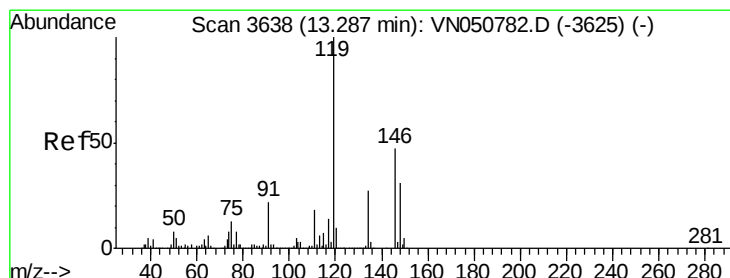
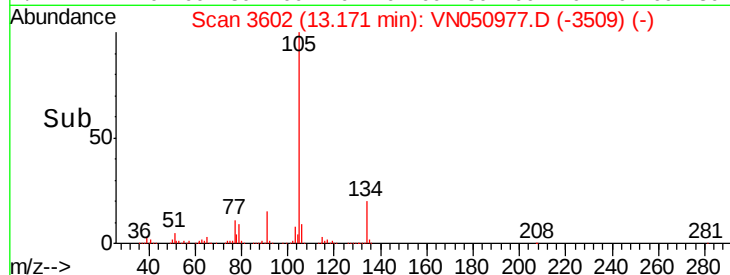
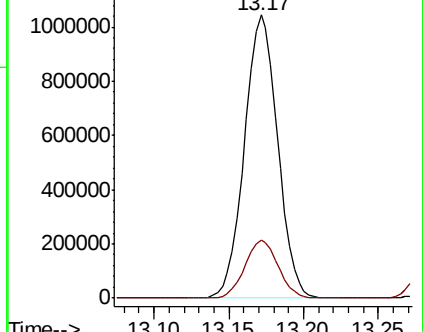
105 100

134 20.5 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: 55.52 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

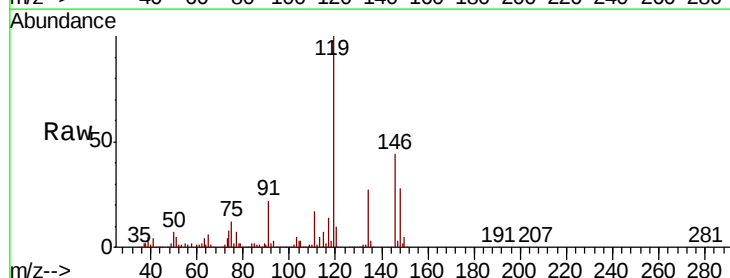
Tgt Ion:119 Resp: 1413957

Ion Ratio Lower Upper

119 100

134 26.9 13.7 41.0

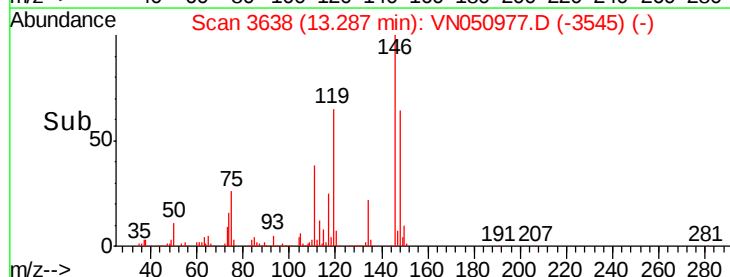
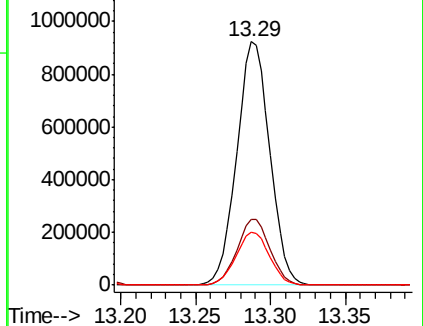
91 21.8 11.2 33.5



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

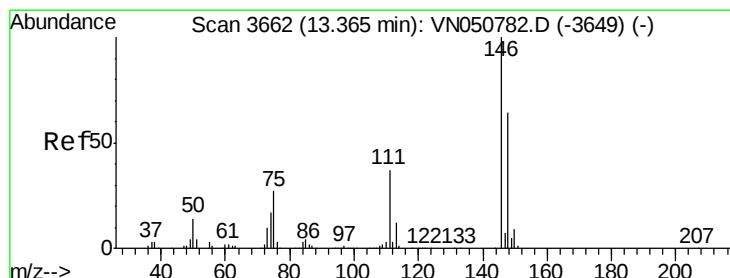
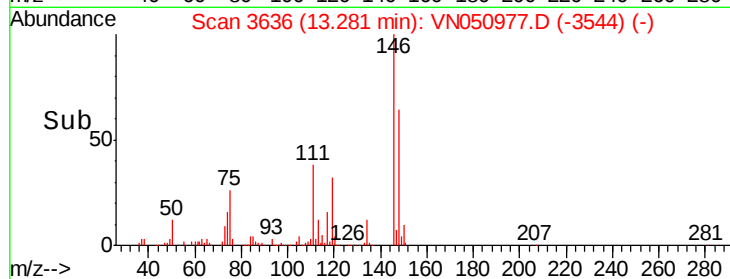
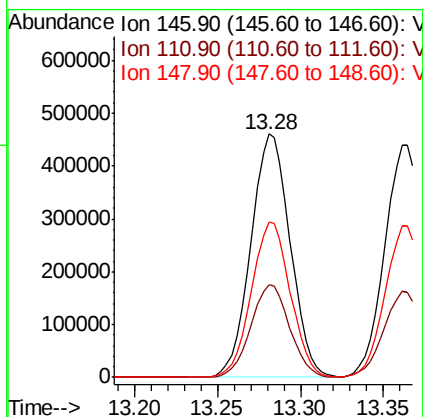
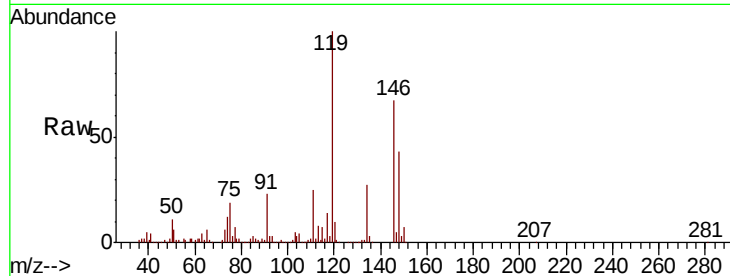




#87
 1,3-Dichlorobenzene
 Concen: 50.28 ug/l
 RT: 13.28 min Scan# 3636
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

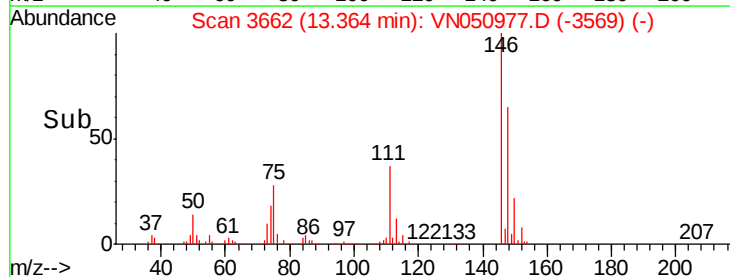
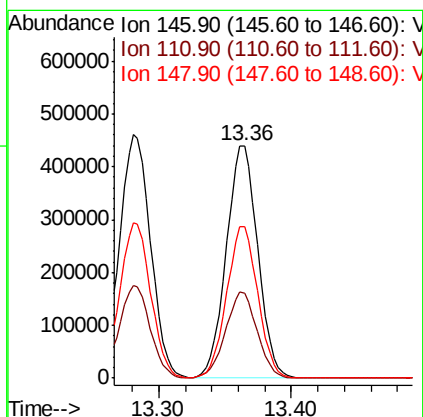
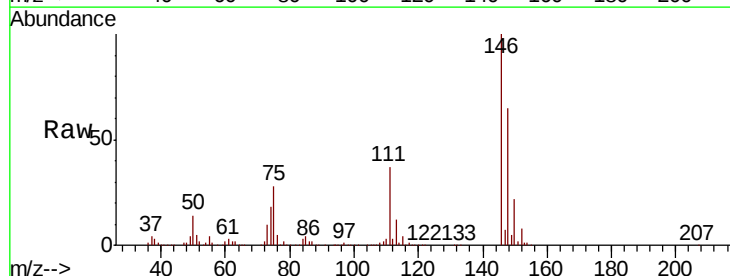
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 756801
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.1 57.3
 148 63.4 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 48.89 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion:146 Resp: 724243
 Ion Ratio Lower Upper
 146 100
 111 37.1 18.8 56.3
 148 64.5 32.2 96.6

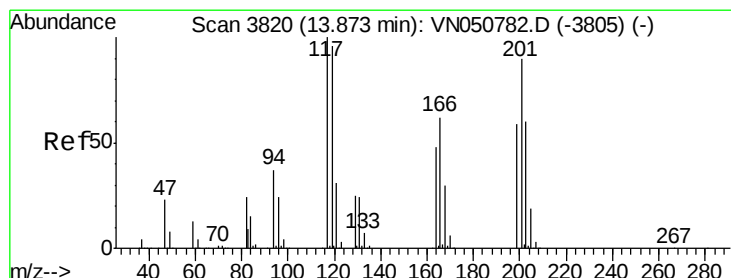
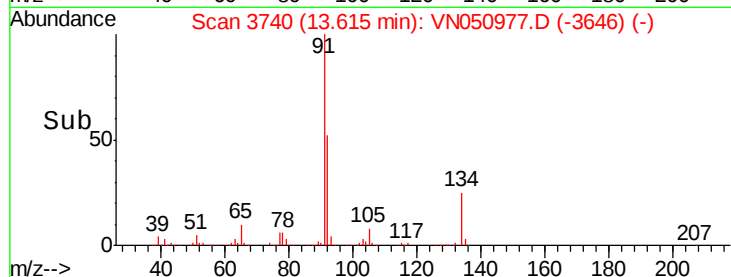
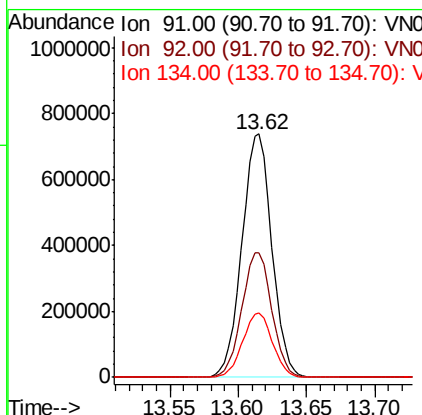
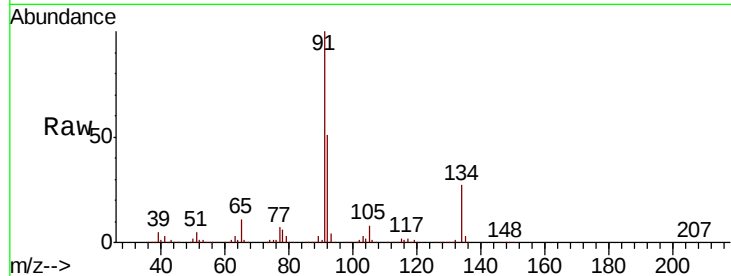




#89
n-Butylbenzene
Concen: 55.10 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

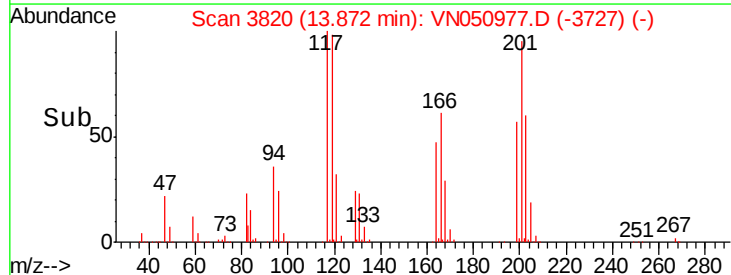
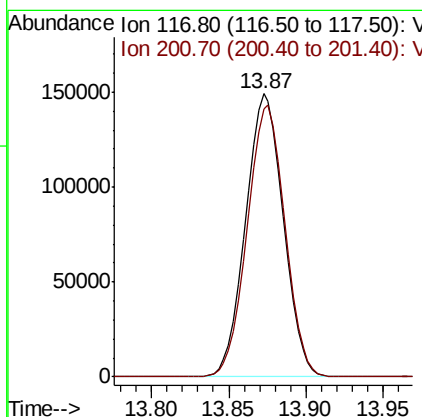
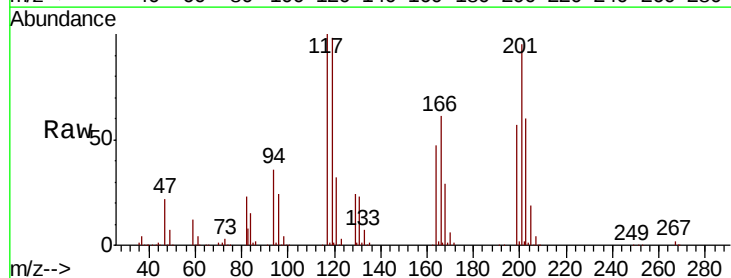
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

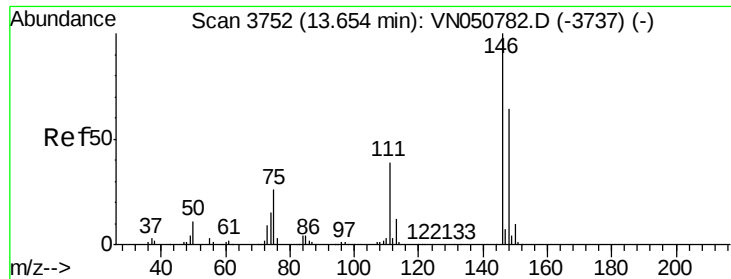
Tot Ion: 91 Resp: 1122272
Ion Ratio Lower Upper
91 100
92 51.4 26.1 78.2
134 26.6 13.2 39.6



#90
Hexachloroethane
Concen: 52.28 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050977.D
Acq: 31 Aug 2018 10:20

Tgt Ion: 117 Resp: 253803
Ion Ratio Lower Upper
117 100
201 95.7 46.0 137.8

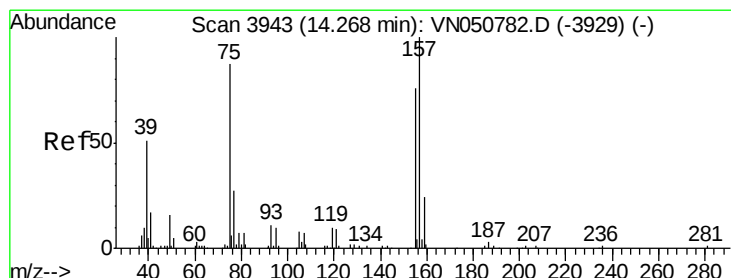
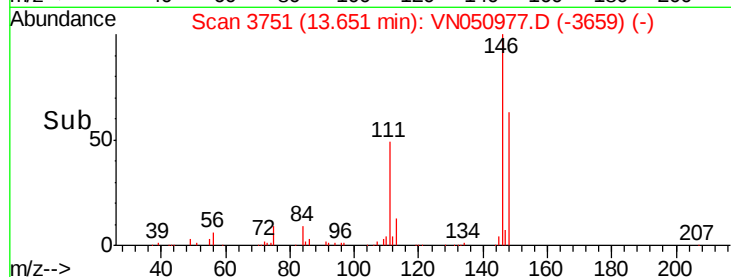
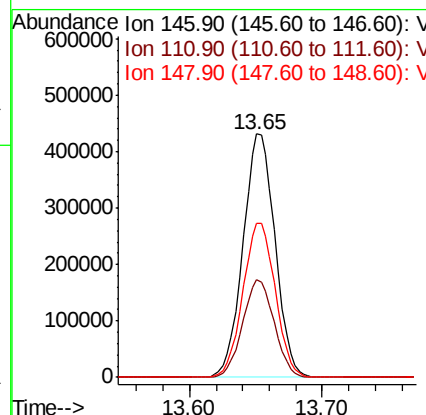
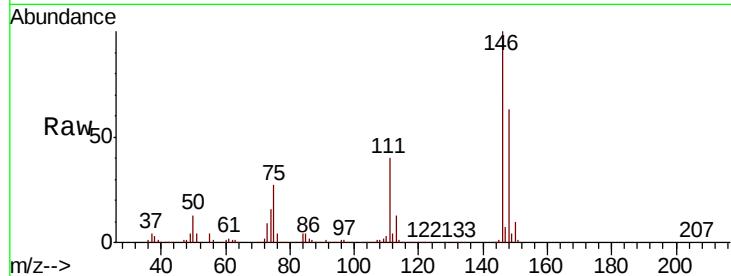




#91
 1,2-Dichlorobenzene
 Concen: 49.66 ug/l
 RT: 13.65 min Scan# 3751
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

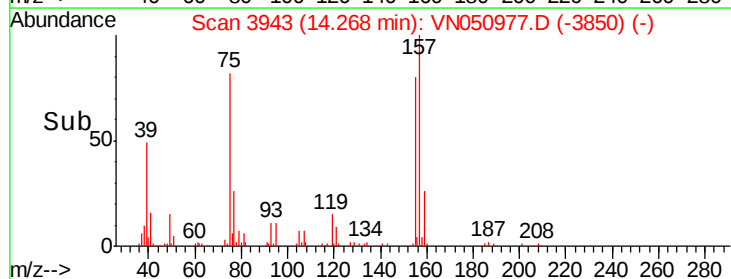
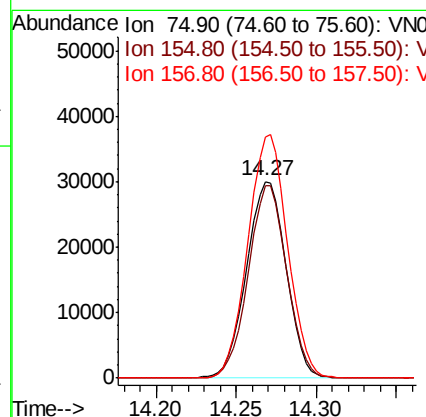
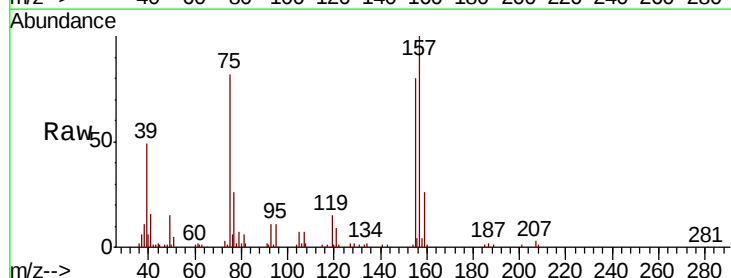
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

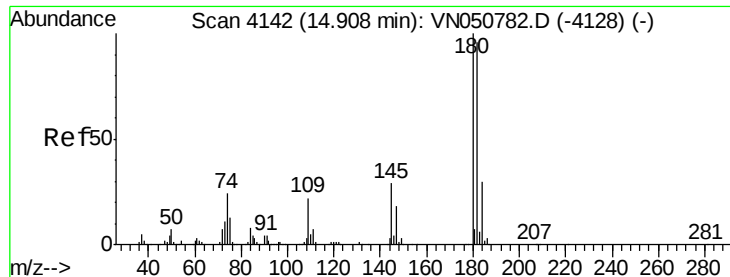
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.0	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.23 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	46.4	139.1
157	123.9	60.7	182.0

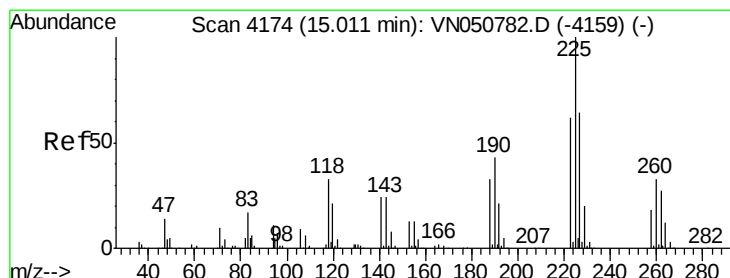
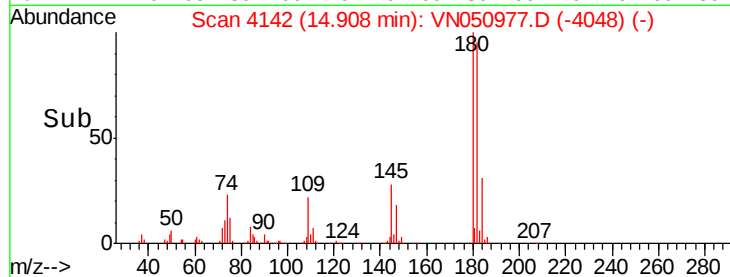
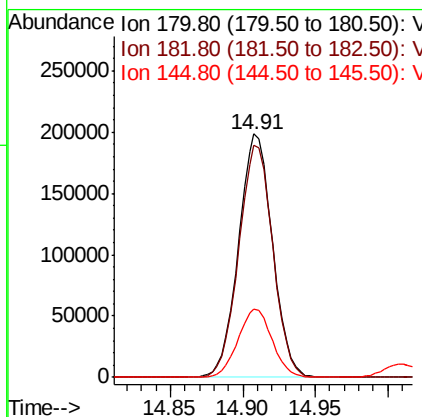
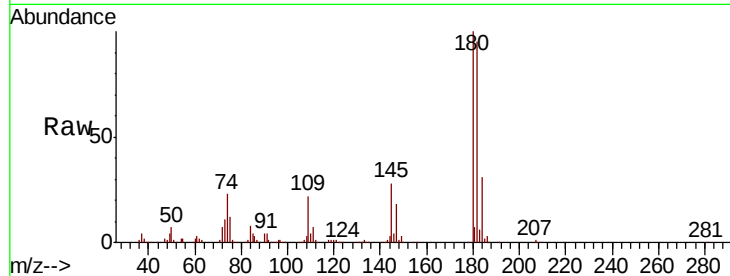




#93
 1,2,4-Trichlorobenzene
 Concen: 43.24 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

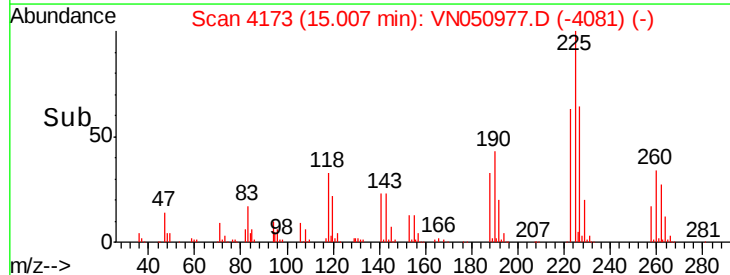
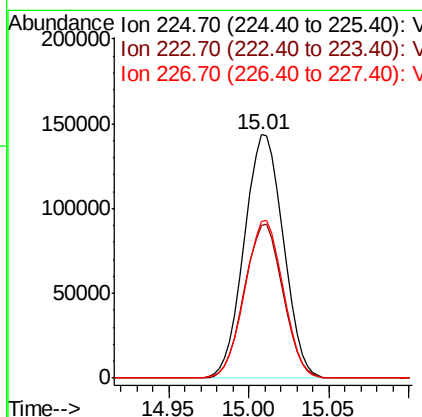
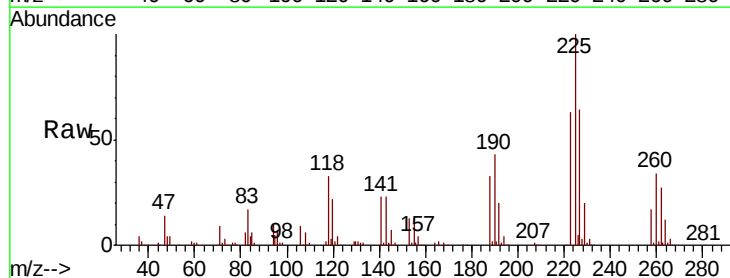
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 322118
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.2 144.6
 145 28.1 14.1 42.2



#94
 Hexachlorobutadiene
 Concen: 55.91 ug/l
 RT: 15.01 min Scan# 4173
 Delta R.T. -0.00 min
 Lab File: VN050977.D
 Acq: 31 Aug 2018 10:20

Tgt Ion:225 Resp: 240135
 Ion Ratio Lower Upper
 225 100
 223 62.3 31.3 93.8
 227 63.6 32.0 96.2





#95

Naphthalene

Concen: 38.19 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

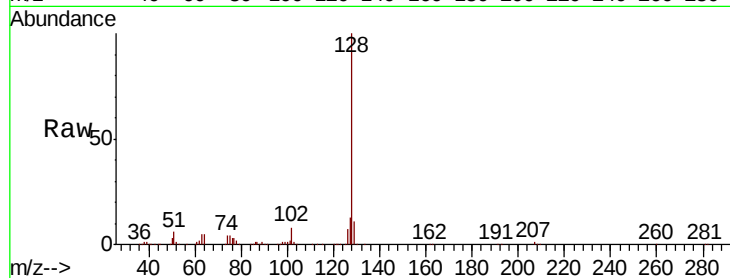
Tot Ion:128 Resp: 578976

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

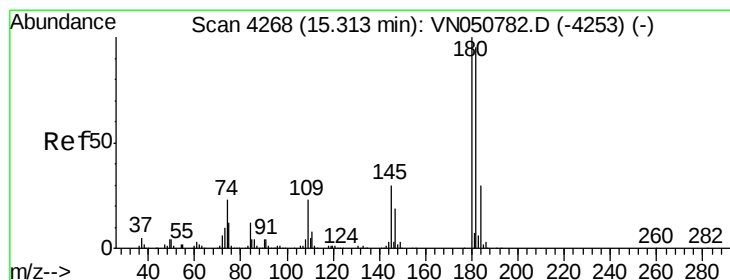
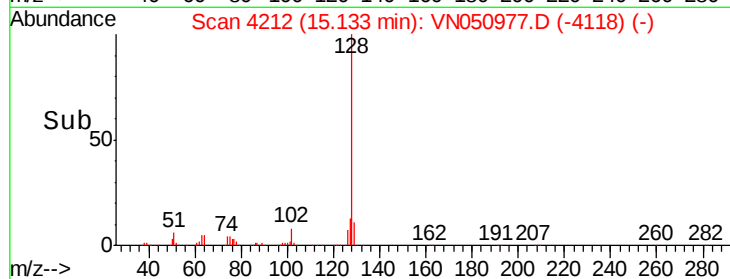
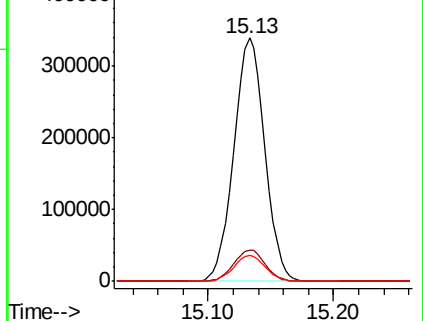
129 11.0 8.7 13.1



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: 44.37 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050977.D

Acq: 31 Aug 2018 10:20

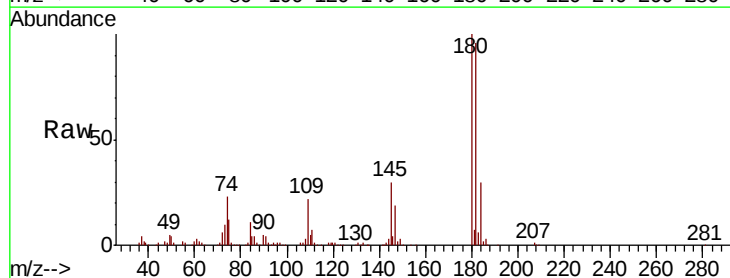
Tgt Ion:180 Resp: 311450

Ion Ratio Lower Upper

180 100

182 95.9 48.0 144.2

145 29.7 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

