

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050721.D
 Acq On : 17 Aug 2018 11:20
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:10:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	671937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	937897	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	872496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	462292	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	383184	45.24	ug/l	0.00
Spiked Amount			Recovery	=	90.48%	
35) Dibromofluoromethane	7.59	113	358819	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
50) Toluene-d8	10.09	98	1364401	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
62) 4-Bromofluorobenzene	12.40	95	460102	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	335846	44.34	ug/l	99
3) Chloromethane	2.06	50	430074	46.56	ug/l	100
4) Vinyl Chloride	2.18	62	442561	43.98	ug/l	99
5) Bromomethane	2.54	94	226044	41.44	ug/l	98
6) Chloroethane	2.69	64	267080	47.69	ug/l	99
7) Trichlorofluoromethane	3.00	101	578704	43.83	ug/l	98
8) Diethyl Ether	3.41	74	208488	47.47	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	367840	46.07	ug/l	99
10) Methyl Iodide	3.95	142	217728	39.98	ug/l	100
11) Tert butyl alcohol	4.80	59	118213	255.61	ug/l	99
12) 1,1-Dichloroethene	3.73	96	327340	44.90	ug/l	100
13) Acrolein	3.61	56	27688	153.26	ug/l	98
14) Allyl chloride	4.32	41	536018	47.26	ug/l	98
15) Acrylonitrile	4.99	53	646626	254.58	ug/l	98
16) Acetone	3.82	43	593741	280.93	ug/l	99
17) Carbon Disulfide	4.05	76	991756	43.23	ug/l	100
18) Methyl Acetate	4.32	43	328404	55.31	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	924588	49.83	ug/l	99
20) Methylene Chloride	4.55	84	390351	48.45	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	365512	46.24	ug/l	97
22) Diisopropyl ether	5.95	45	1148324	49.39	ug/l	98
23) Vinyl Acetate	5.90	43	3836577	252.23	ug/l	99
24) 1,1-Dichloroethane	5.85	63	677581	45.04	ug/l	99
25) 2-Butanone	6.84	43	915233	263.55	ug/l	99
26) 2,2-Dichloropropane	6.82	77	554394	55.05	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	406809	46.22	ug/l	97
28) Bromochloromethane	7.19	49	331207	48.37	ug/l	99
29) Tetrahydrofuran	7.21	42	472206	260.42	ug/l	99
30) Chloroform	7.37	83	678024	44.47	ug/l	99
31) Cyclohexane	7.65	56	608734	47.39	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	575498	44.84	ug/l	99
36) 1,1-Dichloropropene	7.79	75	532746	51.03	ug/l	99
37) Ethyl Acetate	6.93	43	318160	53.91	ug/l	99
38) Carbon Tetrachloride	7.77	117	521704	48.17	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	581528	53.80	ug/l	100
40) Benzene	8.04	78	1574656	49.58	ug/l	99
41) Methacrylonitrile	7.17	41	160215	50.22	ug/l #	89
42) 1,2-Dichloroethane	8.12	62	479941	49.30	ug/l	100
43) Isopropyl Acetate	8.16	43	550019	51.14	ug/l	99
44) Trichloroethene	8.83	130	412957	48.54	ug/l	99
45) 1,2-Dichloropropane	9.12	63	415855	49.18	ug/l	98
46) Dibromomethane	9.21	93	246522	49.37	ug/l	97
47) Bromodichloromethane	9.40	83	518795	48.61	ug/l	99
48) Methyl methacrylate	9.20	41	282381	52.18	ug/l	99
49) 1,4-Dioxane	9.20	88	79448	1114.38	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1976006	271.66	ug/l	100
52) Toluene	10.16	92	977851	51.56	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	527547	53.07	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	613529	53.80	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	353019	49.83	ug/l	98
56) Ethyl methacrylate	10.43	69	443655	49.12	ug/l	99
57) 1,3-Dichloropropane	10.71	76	597084	51.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1078553	249.18	ug/l	99
59) 2-Hexanone	10.75	43	1338282	285.07	ug/l	99
60) Dibromochloromethane	10.90	129	401448	51.34	ug/l	99
61) 1,2-Dibromoethane	11.00	107	348461	51.65	ug/l	100
64) Tetrachloroethene	10.63	164	390008	48.13	ug/l	98
65) Chlorobenzene	11.43	112	1070018	49.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	393426	48.33	ug/l	98
67) Ethyl Benzene	11.51	91	1843049	52.57	ug/l	100
68) m/p-Xylenes	11.62	106	1426925	106.41	ug/l	99
69) o-Xylene	11.95	106	677668	53.00	ug/l	99
70) Styrene	11.96	104	1128208	49.62	ug/l	99
71) Bromoform	12.13	173	275168	50.98	ug/l #	100
73) Isopropylbenzene	12.25	105	1810311	50.12	ug/l	99
74) N-amyl acetate	12.07	43	475744	50.63	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	439256	52.50	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	530233	71.43	ug/l #	100
77) Bromobenzene	12.53	156	465347	47.45	ug/l	100
78) n-propylbenzene	12.59	91	2096884	52.06	ug/l	100
79) 2-Chlorotoluene	12.67	91	1242255	49.47	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1512503	52.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110862	53.31	ug/l	98
82) 4-Chlorotoluene	12.77	91	1259094	50.74	ug/l	100
83) tert-Butylbenzene	12.99	119	1271547	50.65	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1537550	52.97	ug/l	100
85) sec-Butylbenzene	13.17	105	1728245	52.68	ug/l	100
86) p-Isopropyltoluene	13.29	119	1524276	54.84	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	825070	49.42	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	804732	48.57	ug/l	100
89) n-Butylbenzene	13.62	91	1237898	55.15	ug/l	99
90) Hexachloroethane	13.88	117	258523	46.25	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	795820	48.86	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64308	49.90	ug/l	99

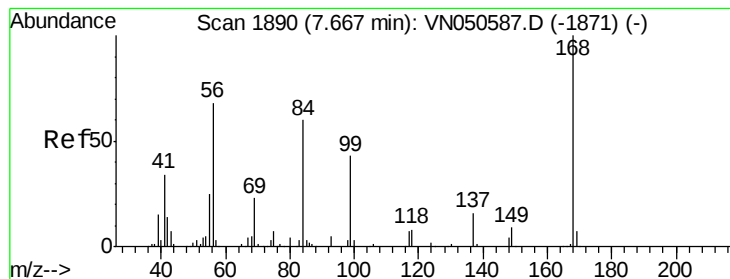
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	389859	46.82	ug/l	100
94) Hexachlorobutadiene	15.01	225	254635	50.99	ug/l	99
95) Naphthalene	15.13	128	755886	43.09	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	367522	47.19	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

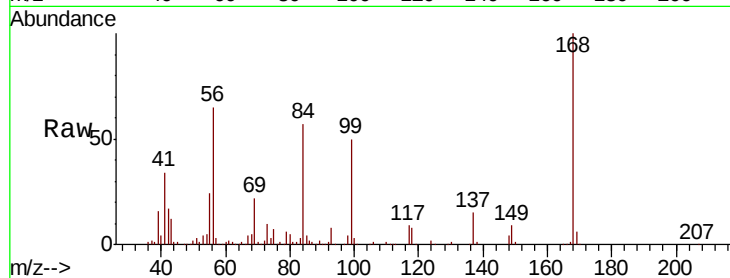
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 671937

Ion Ratio Lower Upper

168 100

99 49.9 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

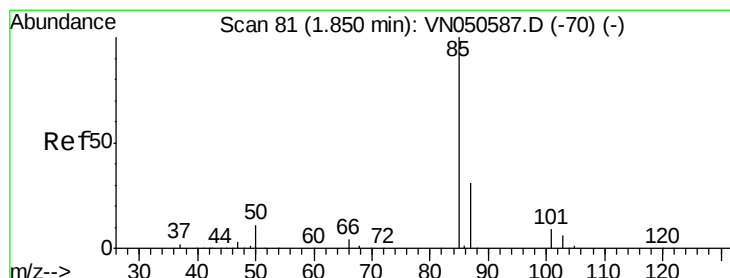
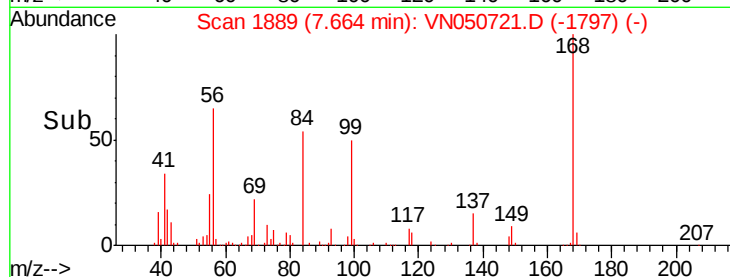
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 44.34 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050721.D

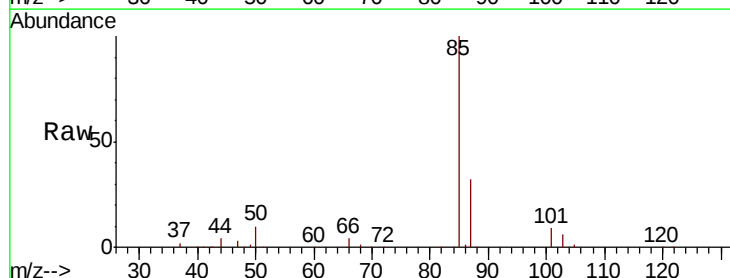
Acq: 17 Aug 2018 11:20

Tgt Ion: 85 Resp: 335846

Ion Ratio Lower Upper

85 100

87 31.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250000

200000

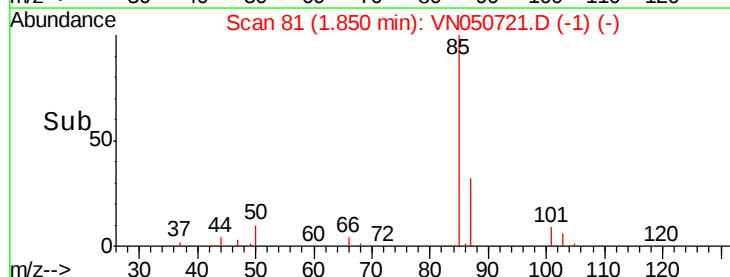
150000

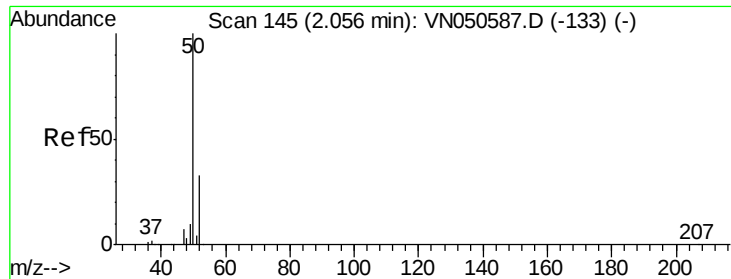
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 46.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

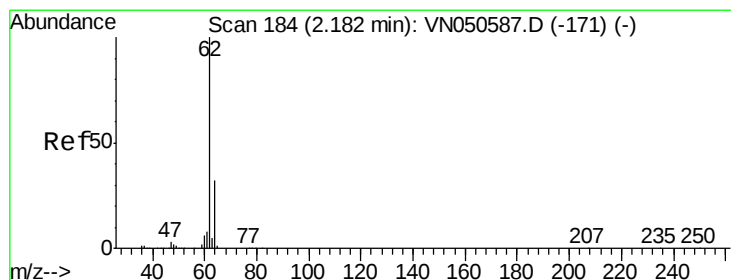
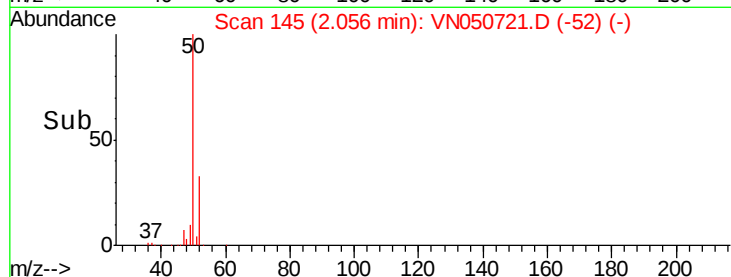
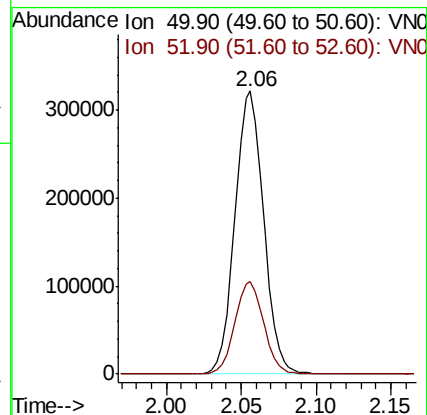
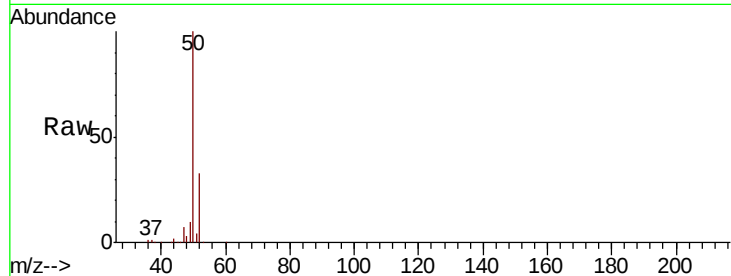
ClientSampled :

Tot Ion: 50 Resp: 430074

Ion Ratio Lower Upper

50 100

52 32.6 26.0 39.0



#4

Vinyl Chloride

Concen: 43.98 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050721.D

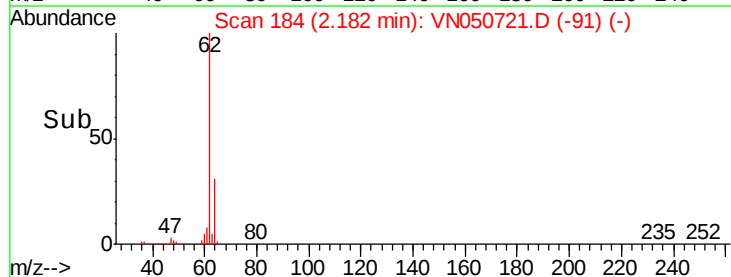
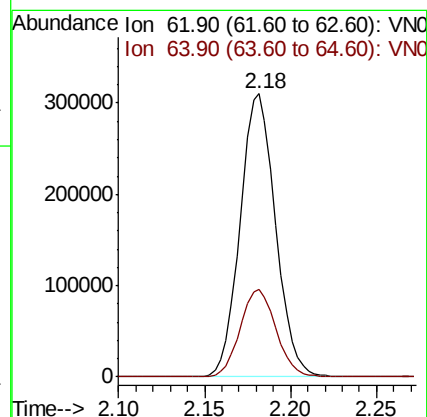
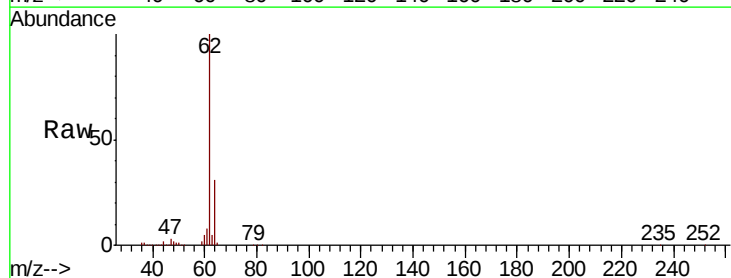
Acq: 17 Aug 2018 11:20

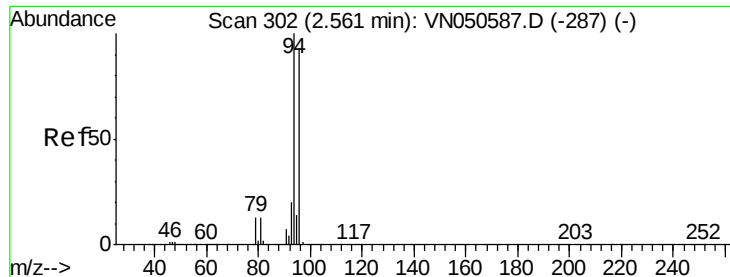
Tgt Ion: 62 Resp: 442561

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8





#5

Bromomethane

Concen: 41.44 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

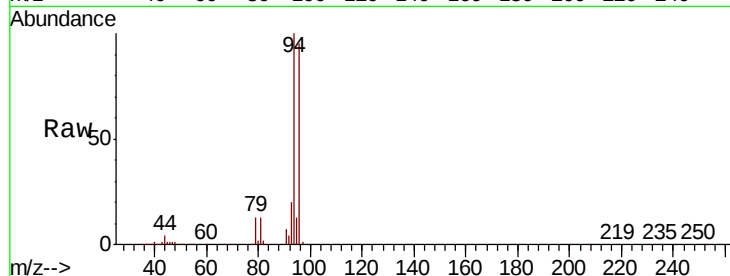
ClientSampled :

Tot Ion: 94 Resp: 226044

Ion Ratio Lower Upper

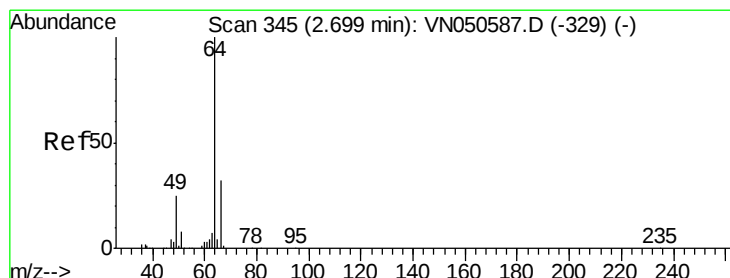
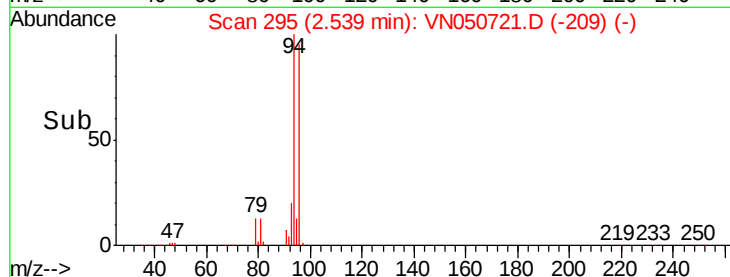
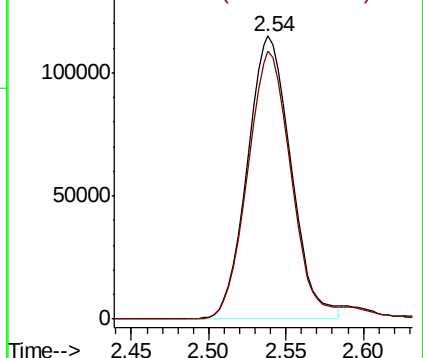
94 100

96 94.9 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.69 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050721.D

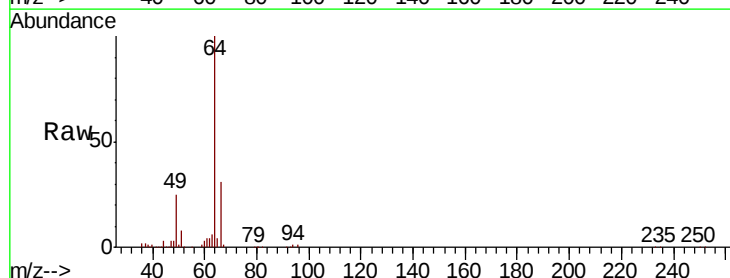
Acq: 17 Aug 2018 11:20

Tgt Ion: 64 Resp: 267080

Ion Ratio Lower Upper

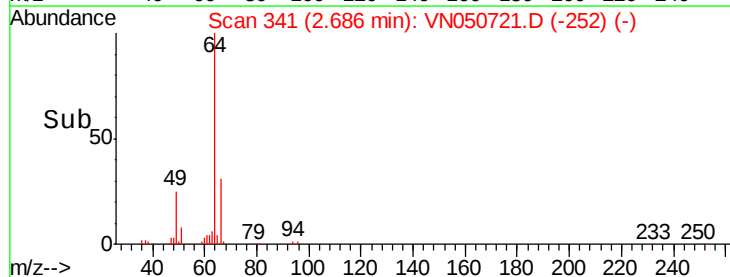
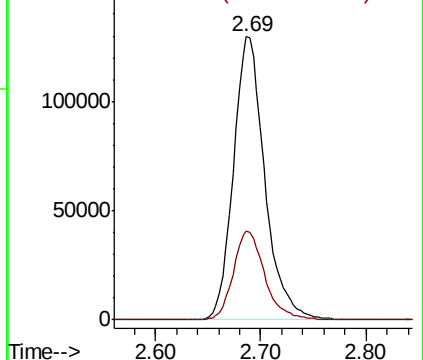
64 100

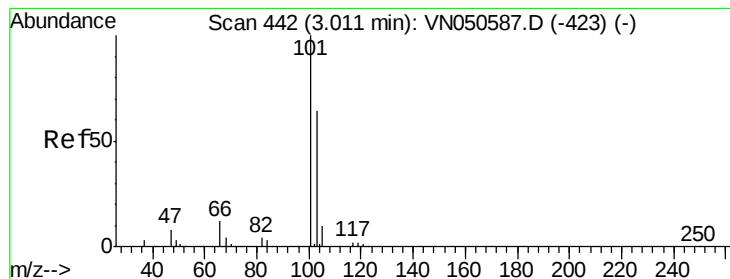
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



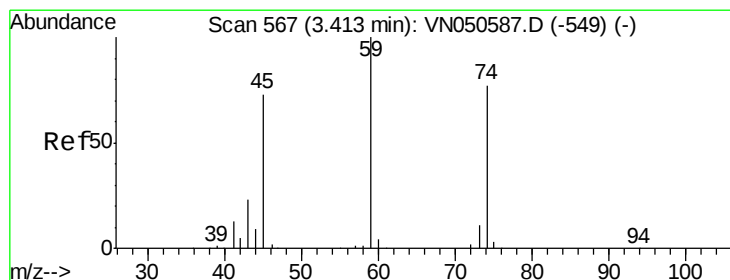
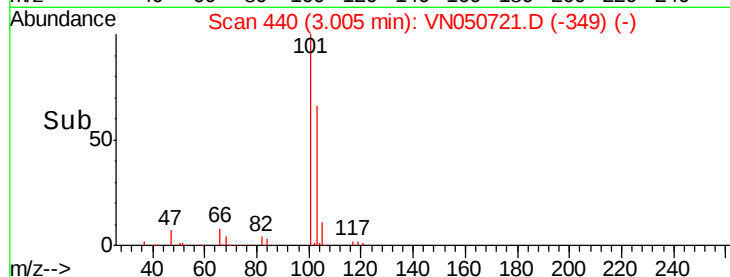
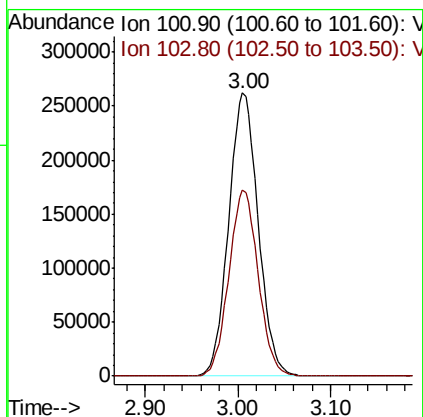
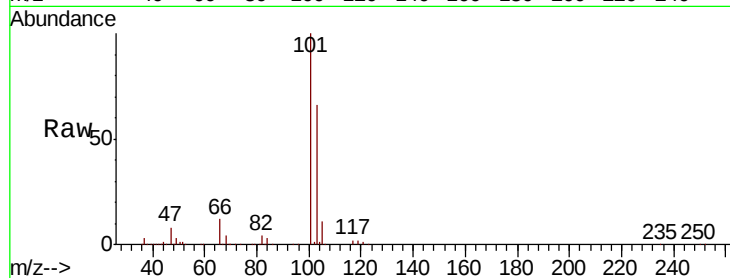


#7

Trichlorofluoromethane
 Concen: 43.83 ug/l
 RT: 3.00 min Scan# 440
 Delta R.T. -0.01 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :

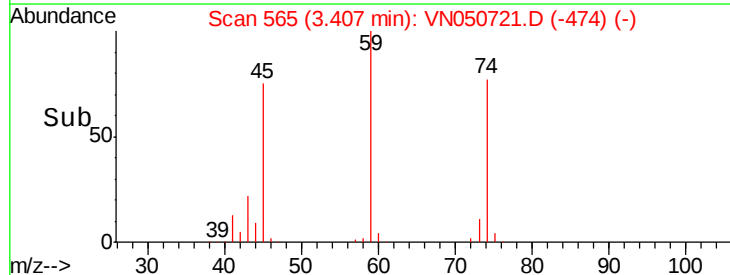
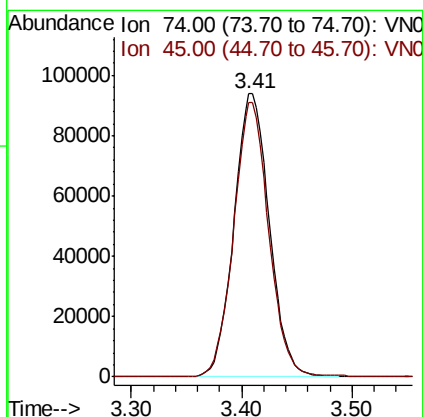
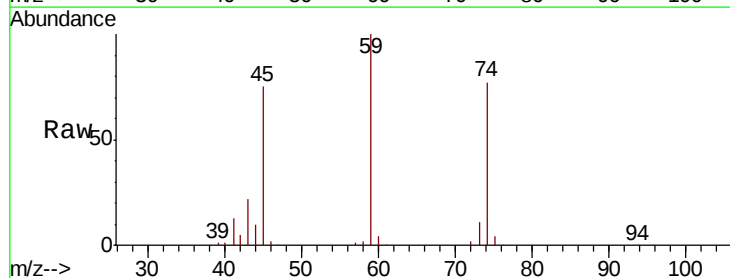
Tot Ion:101 Resp: 578704
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.4 77.0

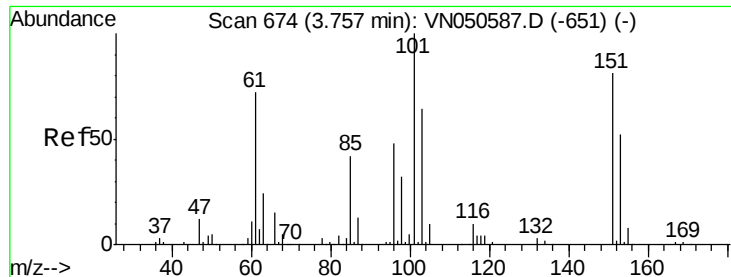


#8

Diethyl Ether
 Concen: 47.47 ug/l
 RT: 3.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion: 74 Resp: 208488
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.07 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

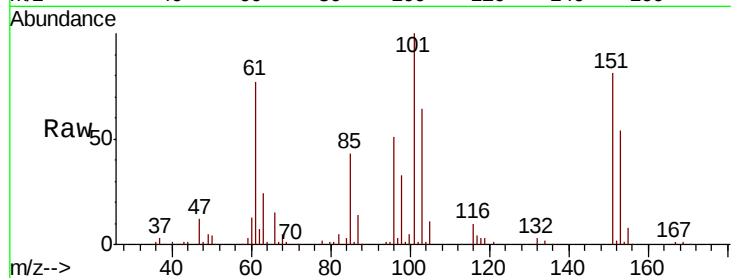
Tot Ion:101 Resp: 367840

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.0

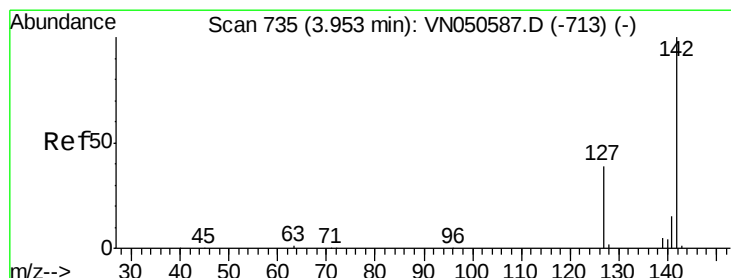
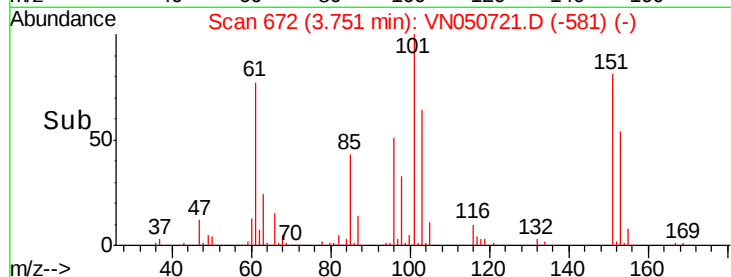
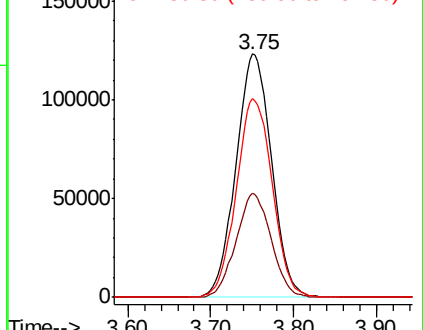
151 82.7 66.6 100.0



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: 39.98 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

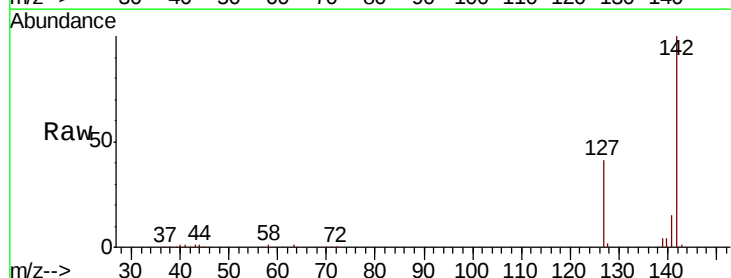
Tgt Ion:142 Resp: 217728

Ion Ratio Lower Upper

142 100

127 40.9 32.6 49.0

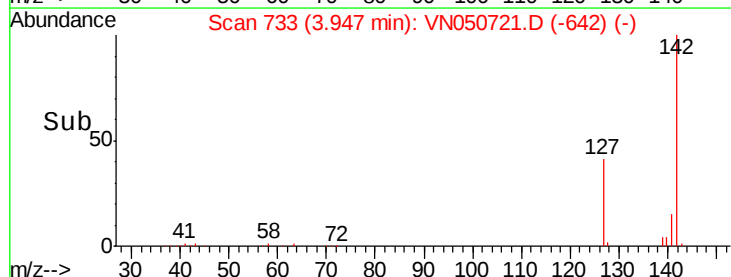
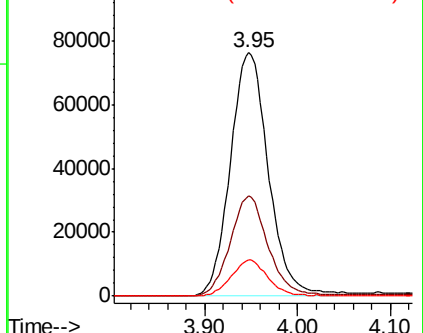
141 14.1 11.5 17.3

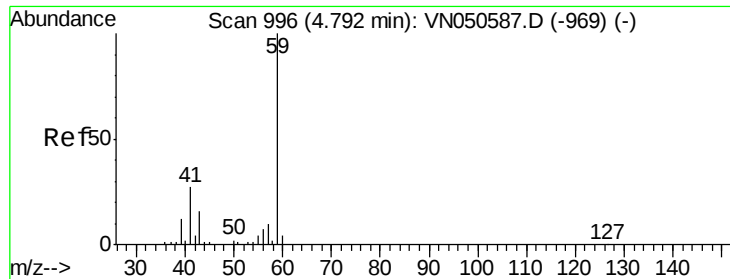


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

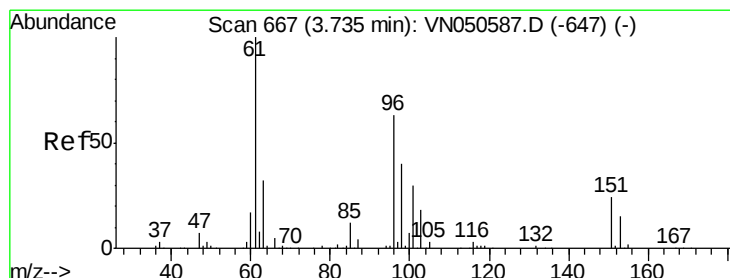
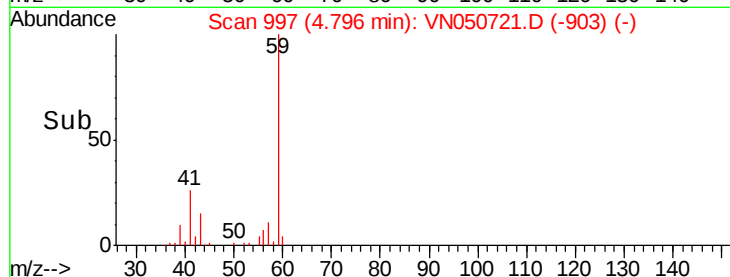
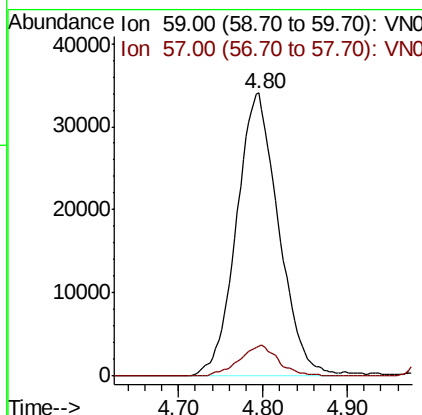
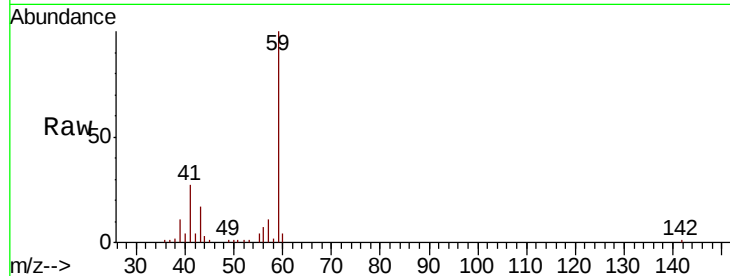




#11
Tert butyl alcohol
Concen: 255.61 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

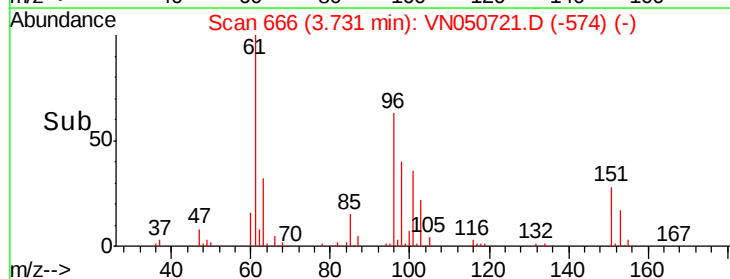
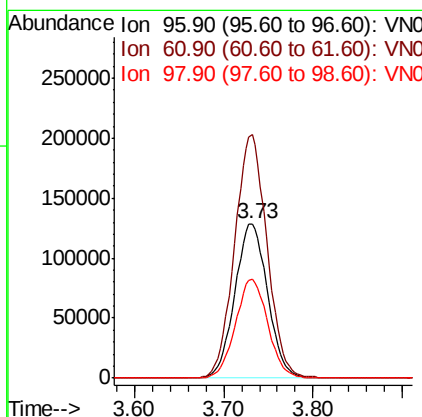
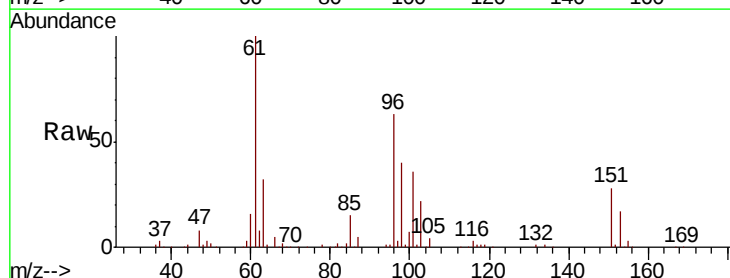
Instrument :
MSVOA_N
ClientSampleId :

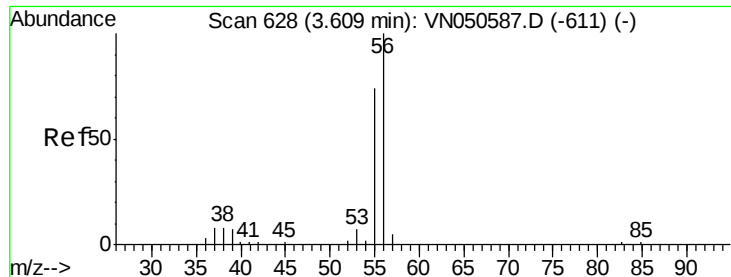
Tot Ion: 59 Resp: 118213
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6



#12
1,1-Dichloroethene
Concen: 44.90 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 96 Resp: 327340
Ion Ratio Lower Upper
96 100
61 157.9 126.9 190.3
98 63.8 51.1 76.7





#13

Acrolein

Concen: 153.26 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

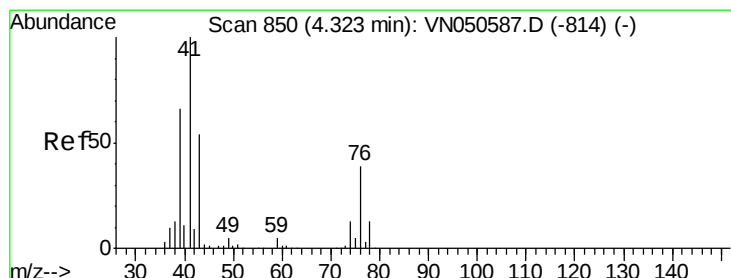
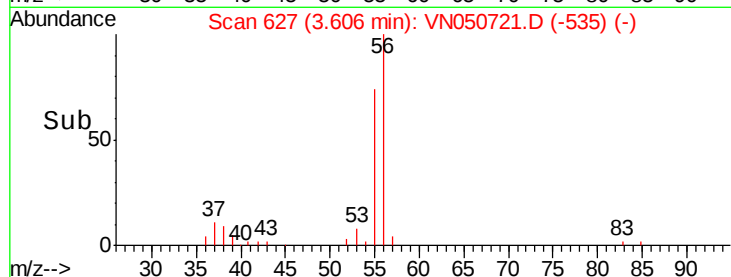
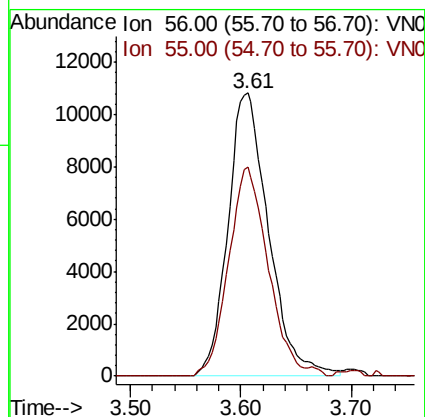
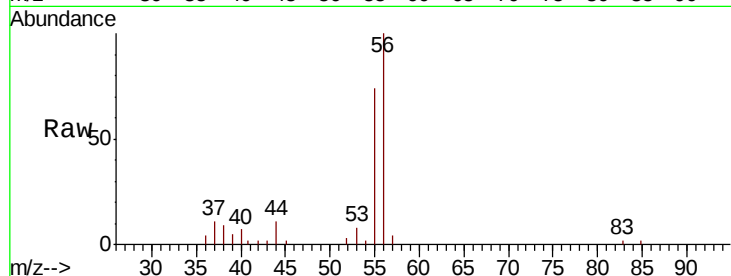
ClientSampleId :

Tot Ion: 56 Resp: 27688

Ion Ratio Lower Upper

56 100

55 71.9 56.3 84.5



#14

Allyl chloride

Concen: 47.26 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

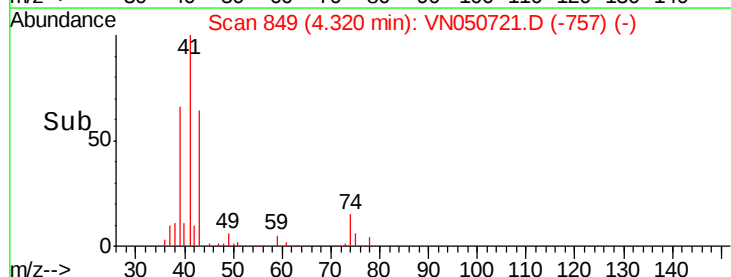
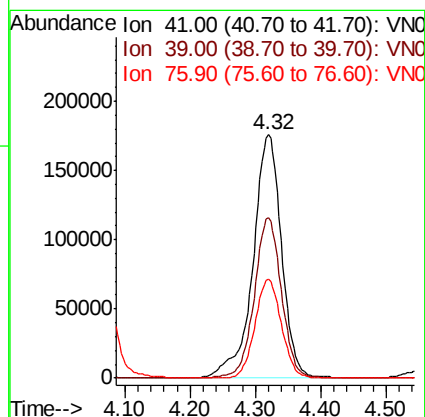
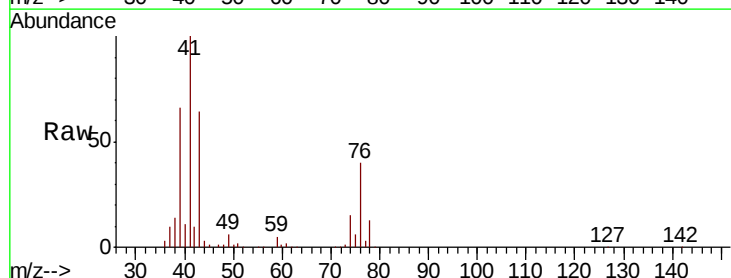
Tgt Ion: 41 Resp: 536018

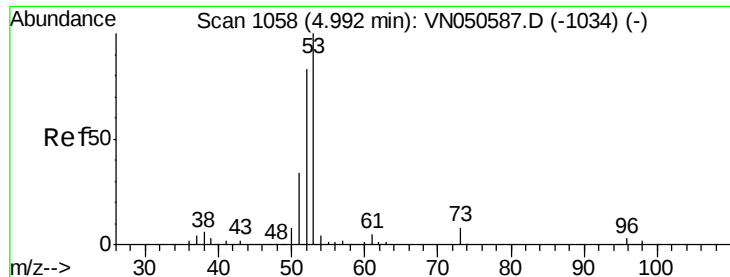
Ion Ratio Lower Upper

41 100

39 62.6 51.4 77.0

76 37.2 29.4 44.0





#15

Acrylonitrile

Concen: 254.58 ug/l

RT: 4.99 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

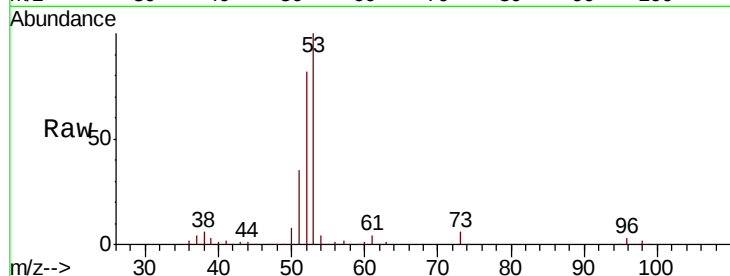
Tot Ion: 53 Resp: 646626

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

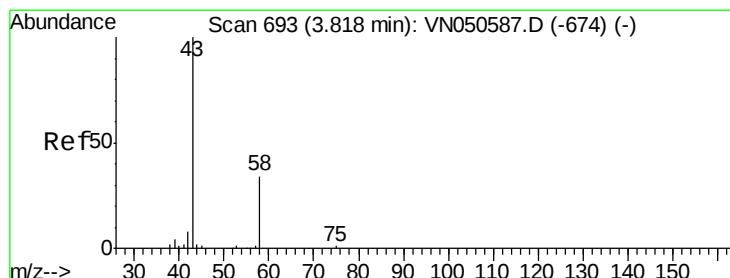
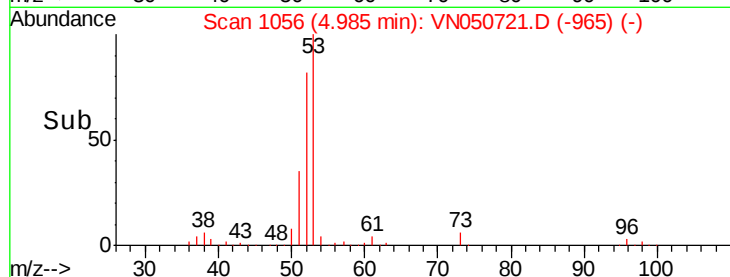
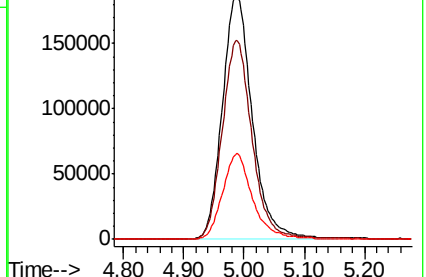
51 35.1 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN050587.D (-1034) (-)

Ion 52.00 (51.70 to 52.70): VN050587.D (-1034) (-)

Ion 51.00 (50.70 to 51.70): VN050587.D (-1034) (-)



#16

Acetone

Concen: 280.93 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050721.D

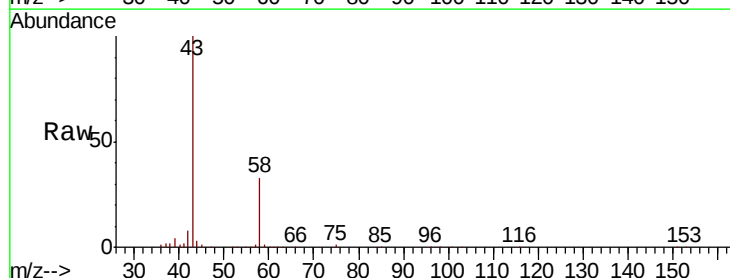
Acq: 17 Aug 2018 11:20

Tgt Ion: 43 Resp: 593741

Ion Ratio Lower Upper

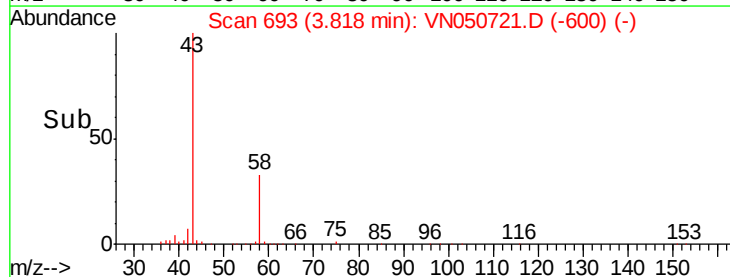
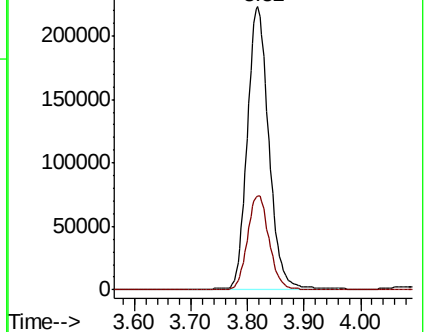
43 100

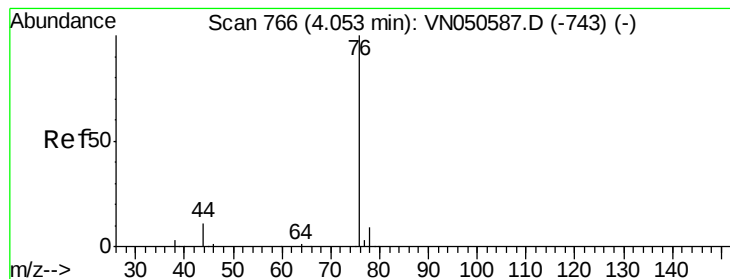
58 33.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-674) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-674) (-)





#17

Carbon Disulfide

Concen: 43.23 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

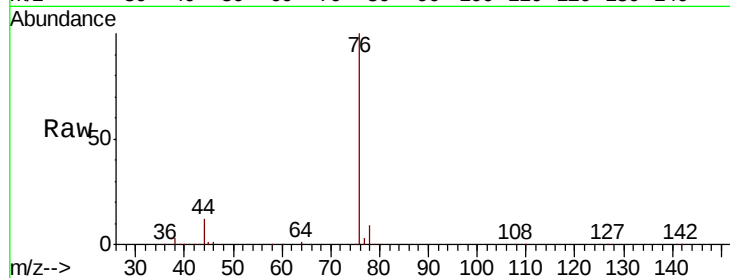
ClientSampleId :

Tot Ion: 76 Resp: 991756

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050721.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050721.D (-743) (-)

4.05

400000

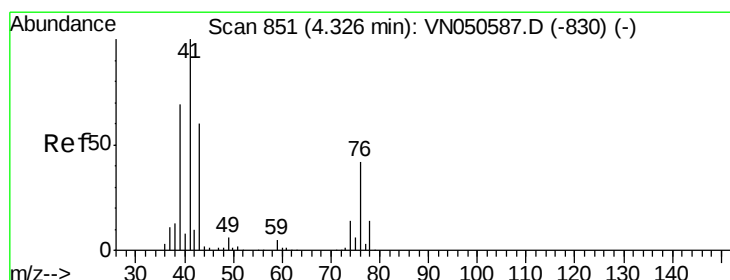
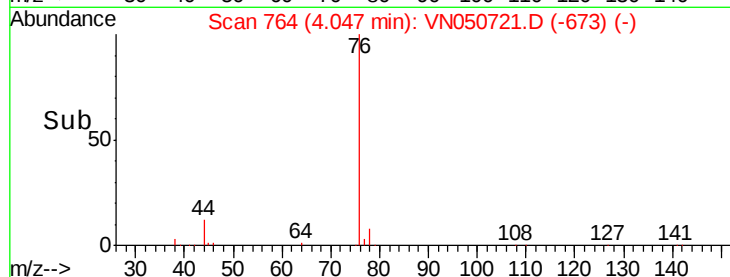
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 55.31 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050721.D

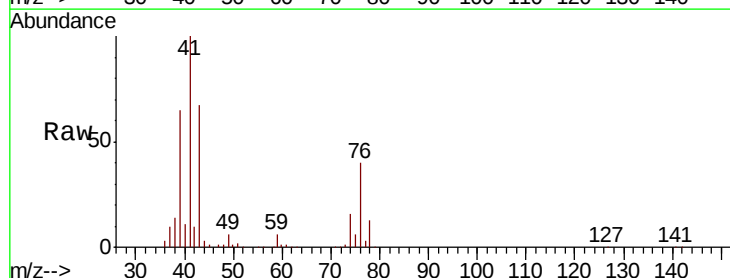
Acq: 17 Aug 2018 11:20

Tgt Ion: 43 Resp: 328404

Ion Ratio Lower Upper

43 100

74 23.9 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN050721.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050721.D (-758) (-)

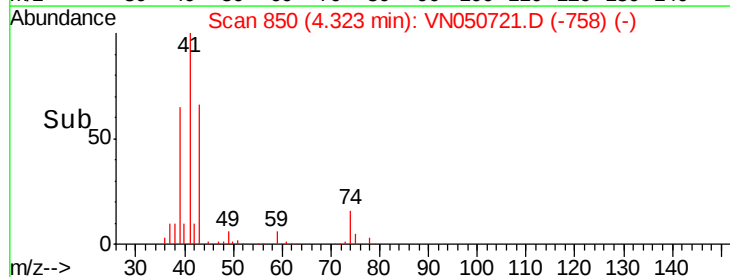
4.32

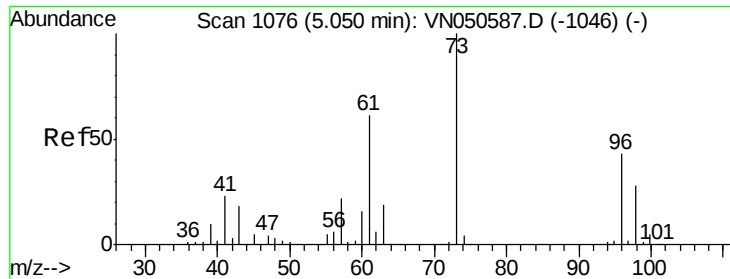
100000

50000

0

Time-->

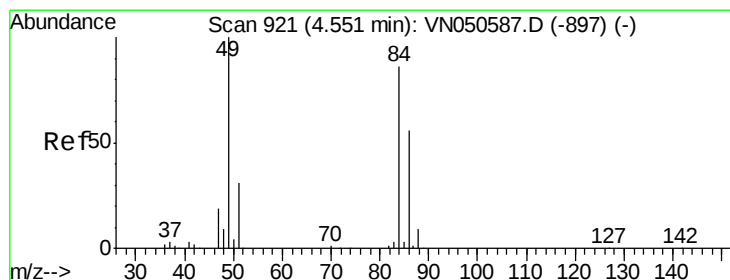
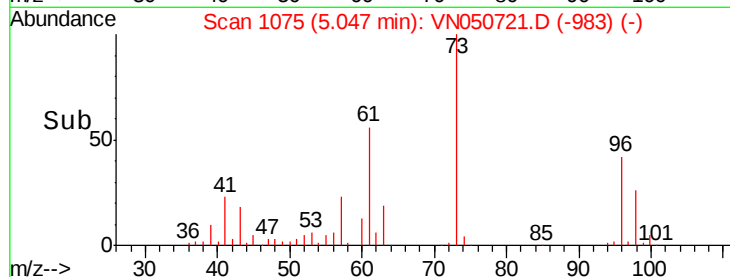
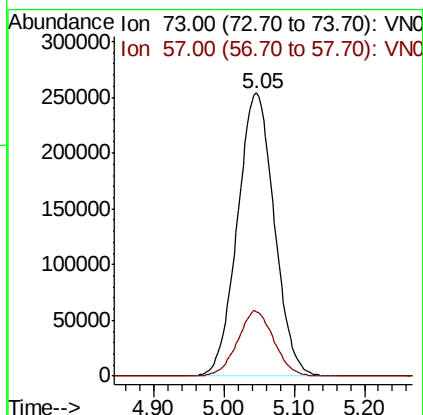
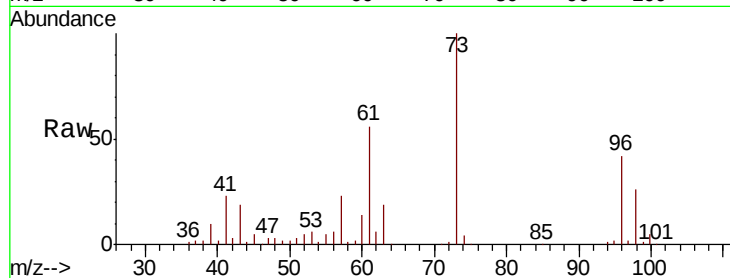




#19
Methyl tert-butyl Ether
Concen: 49.83 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

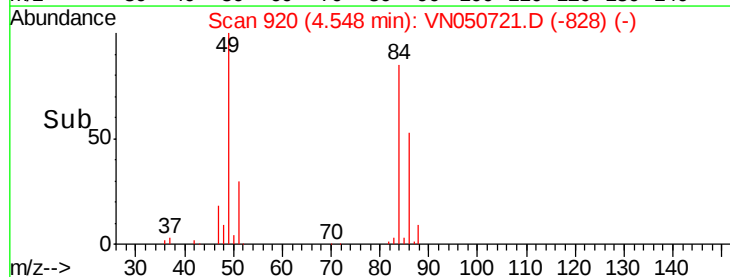
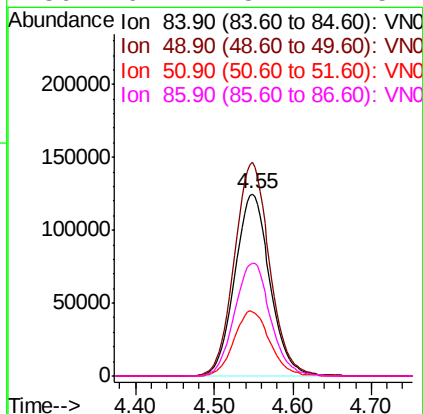
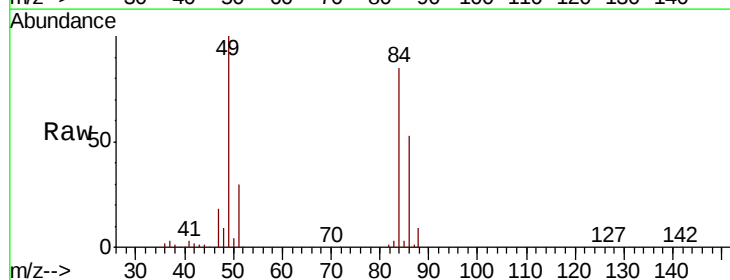
Instrument :
MSVOA_N
ClientSampled :

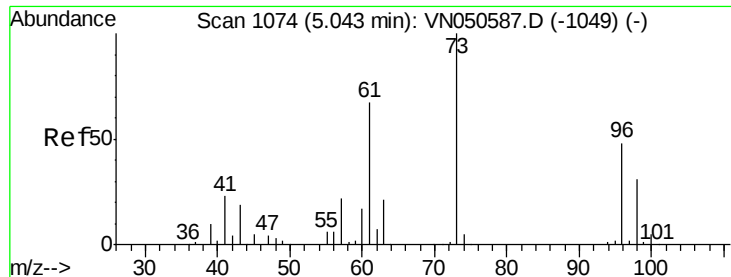
Tot Ion: 73 Resp: 924588
Ion Ratio Lower Upper
73 100
57 22.8 17.9 26.9



#20
Methylene Chloride
Concen: 48.45 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 84 Resp: 390351
Ion Ratio Lower Upper
84 100
49 117.5 92.6 138.8
51 35.5 28.6 43.0
86 62.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 46.24 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

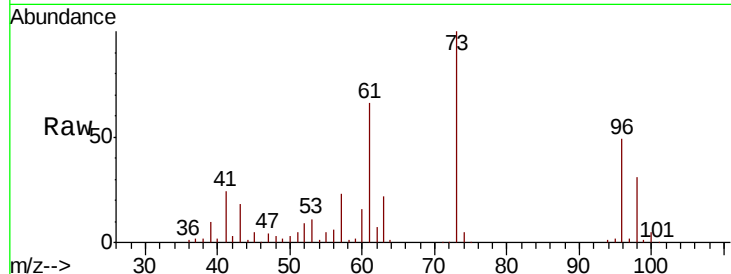
Tot Ion: 96 Resp: 365512

Ion Ratio Lower Upper

96 100

61 134.5 111.2 166.8

98 63.2 51.6 77.4

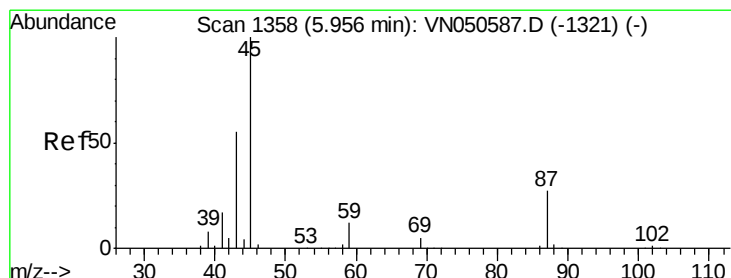
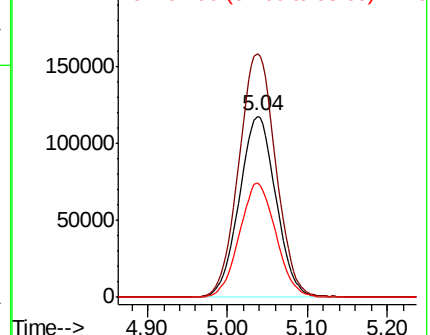
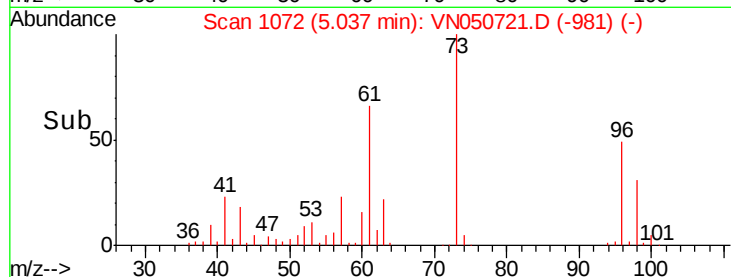


Abundance

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: 49.39 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Tgt Ion: 45 Resp: 1148324

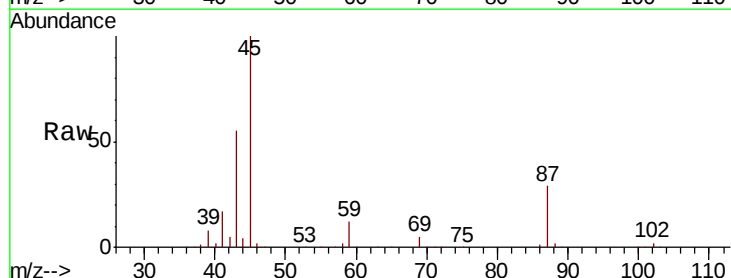
Ion Ratio Lower Upper

45 100

43 54.2 44.5 66.7

87 28.4 22.2 33.2

59 12.0 9.5 14.3



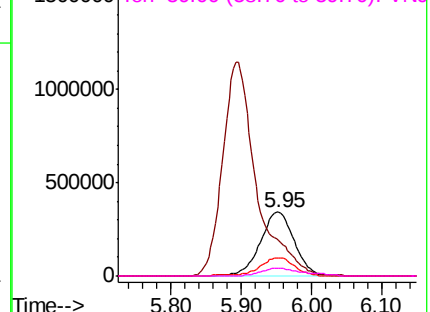
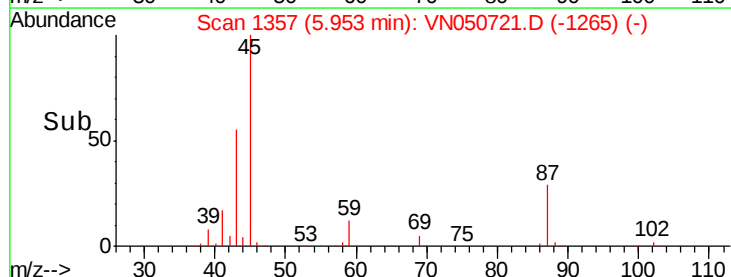
Abundance

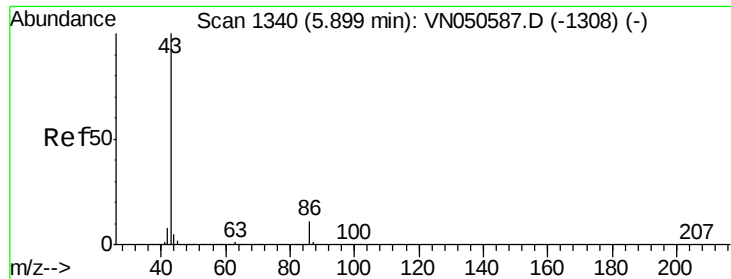
Ion 45.00 (44.70 to 45.70): VN0

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: 252.23 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

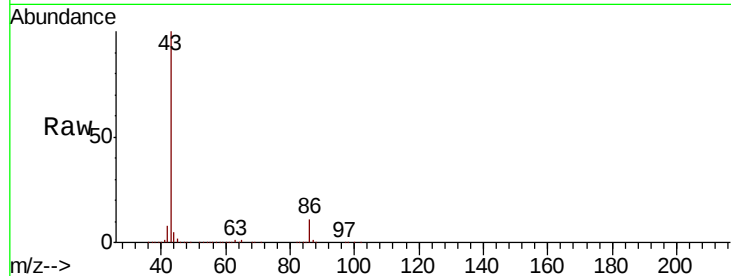
ClientSampled :

Tot Ion: 43 Resp: 3836577

Ion Ratio Lower Upper

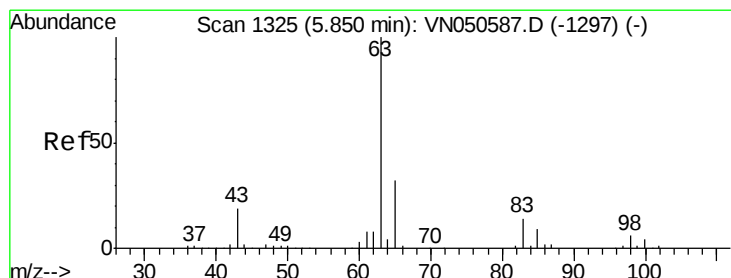
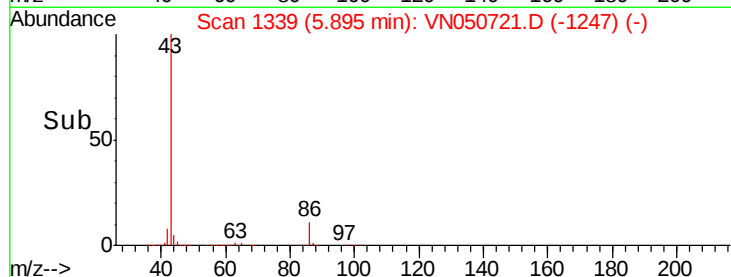
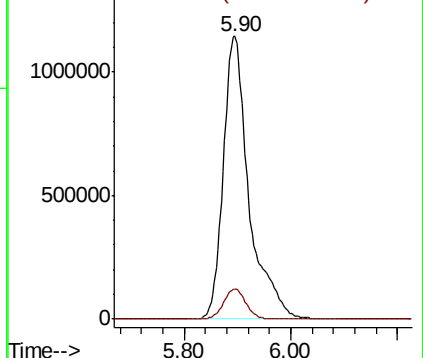
43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.04 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

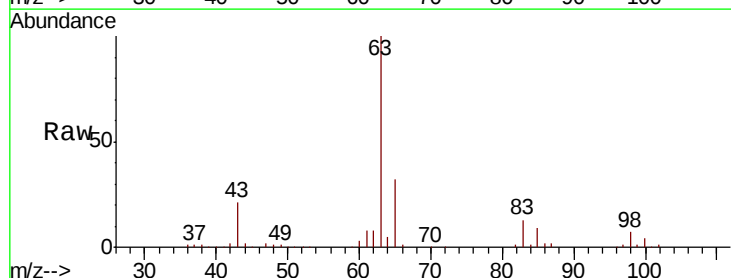
Tgt Ion: 63 Resp: 677581

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

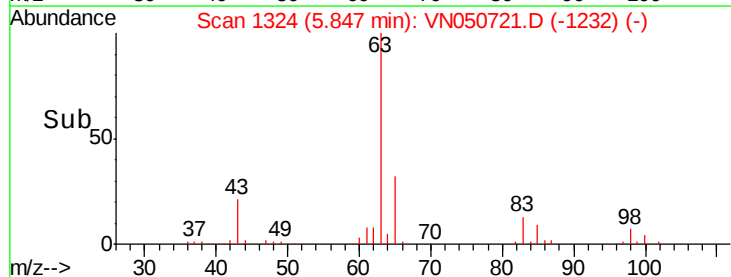
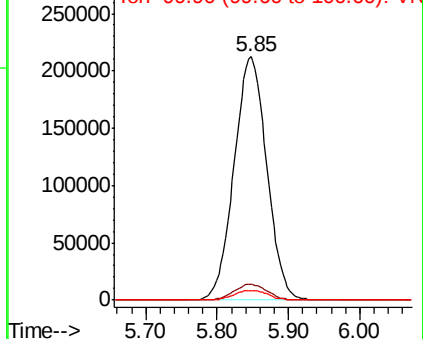
100 3.9 2.1 6.5

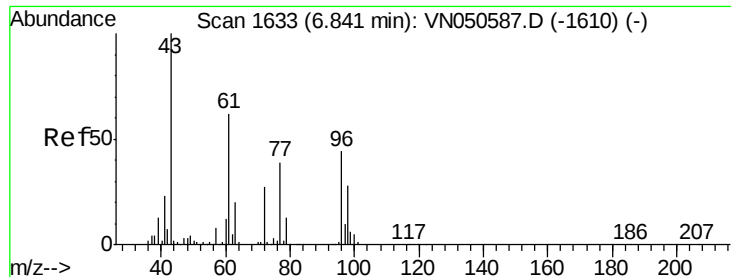


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

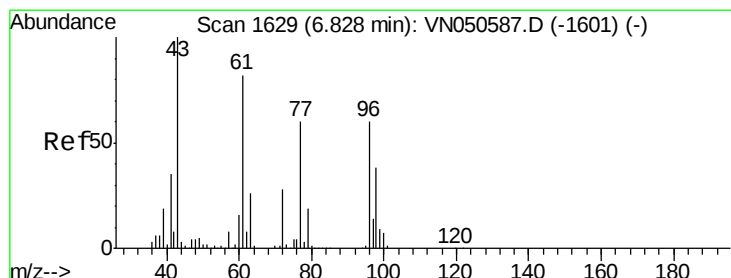
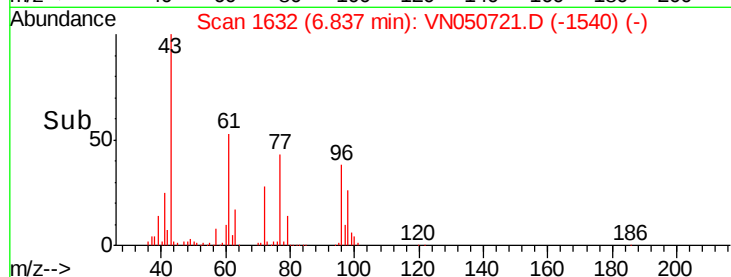
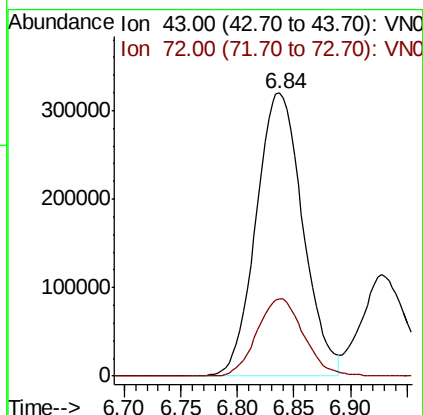
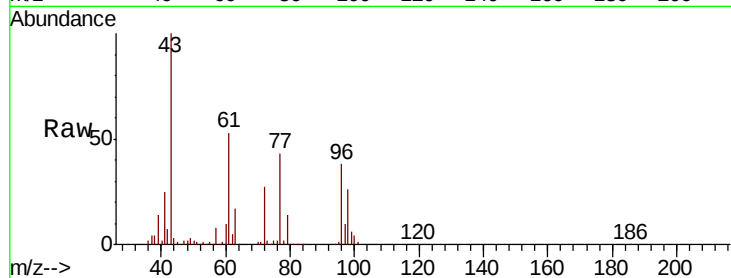




#25
2-Butanone
Concen: 263.55 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

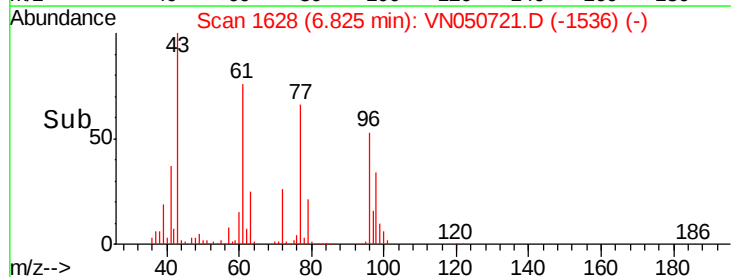
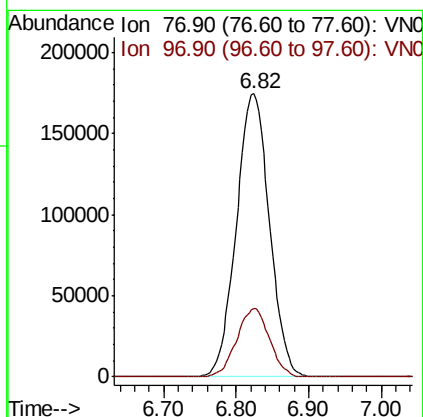
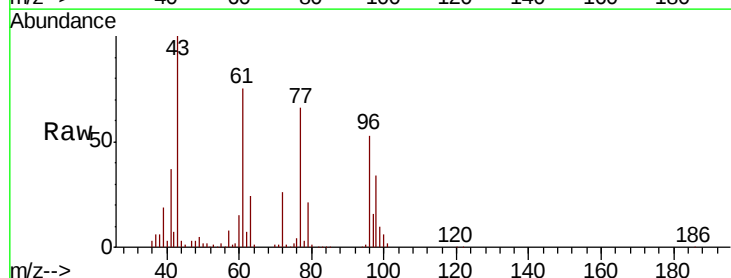
Instrument :
MSVOA_N
ClientSampleId :

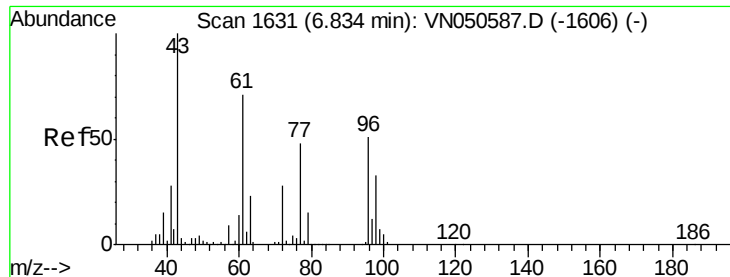
Tot Ion: 43 Resp: 915233
Ion Ratio Lower Upper
43 100
72 27.5 21.8 32.6



#26
2,2-Dichloropropane
Concen: 55.05 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 77 Resp: 554394
Ion Ratio Lower Upper
77 100
97 23.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 46.22 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

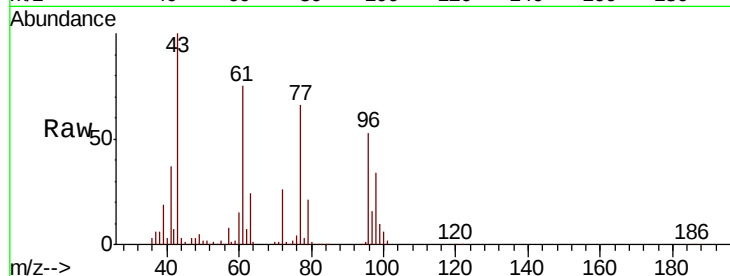
Tot Ion: 96 Resp: 406809

Ion Ratio Lower Upper

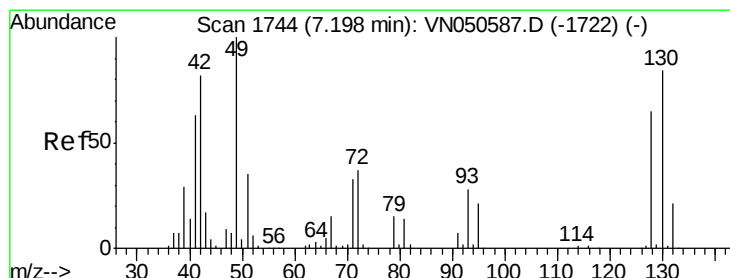
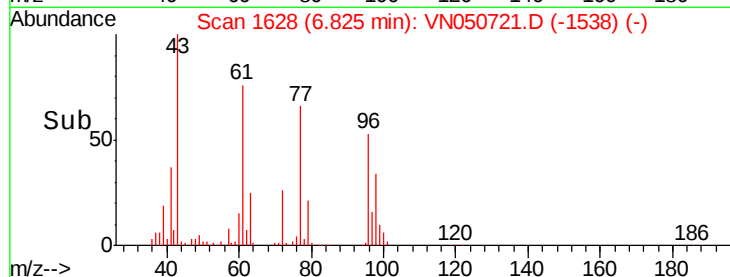
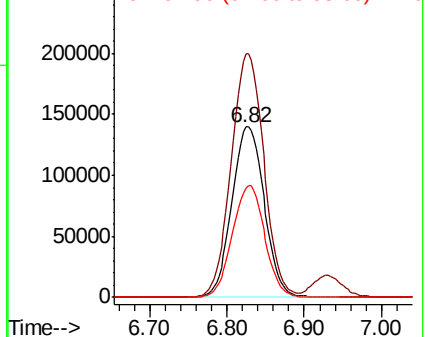
96 100

61 143.8 0.0 278.2

98 65.6 0.0 128.8



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: 48.37 ug/l

RT: 7.19 min Scan# 1742

Delta R.T. -0.01 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

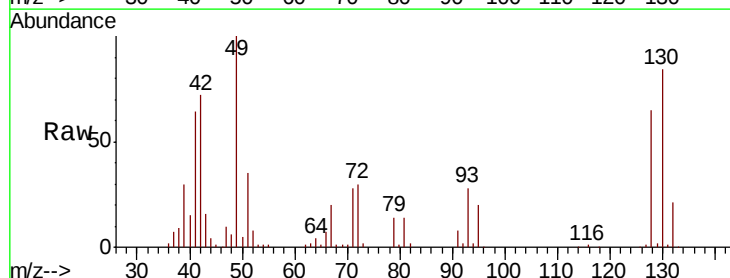
Tgt Ion: 49 Resp: 331207

Ion Ratio Lower Upper

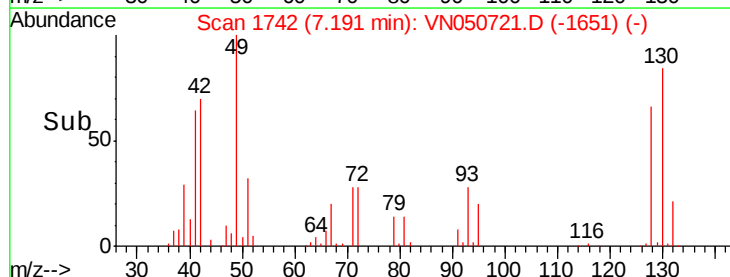
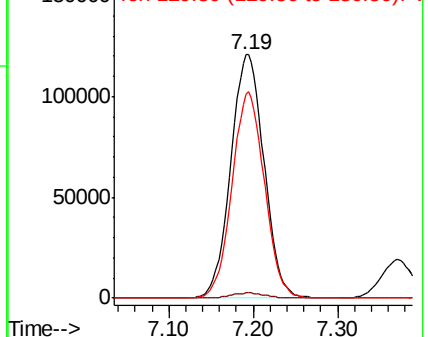
49 100

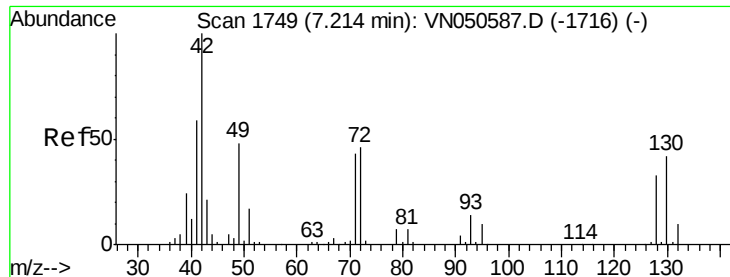
129 2.1 0.0 4.2

130 82.5 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 260.42 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

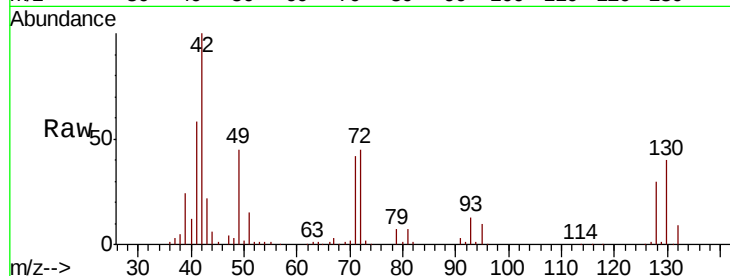
Tot Ion: 42 Resp: 472206

Ion Ratio Lower Upper

42 100

72 44.0 35.8 53.6

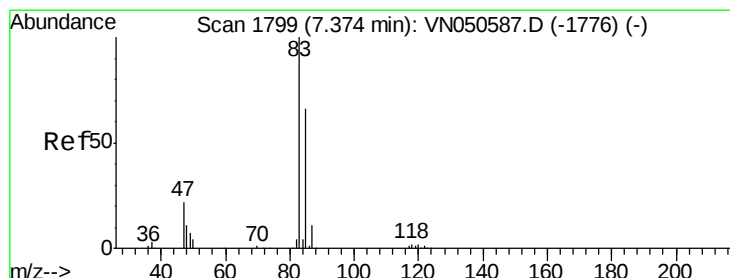
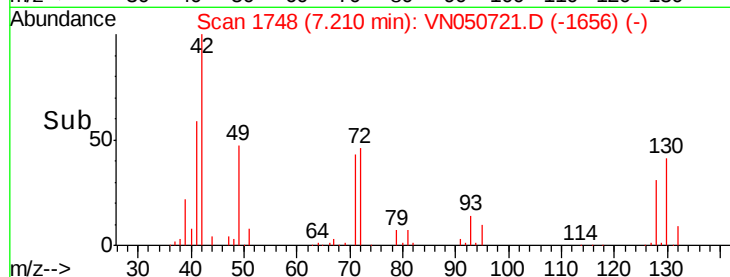
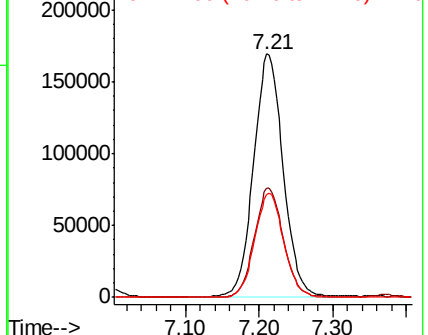
71 41.8 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 44.47 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050721.D

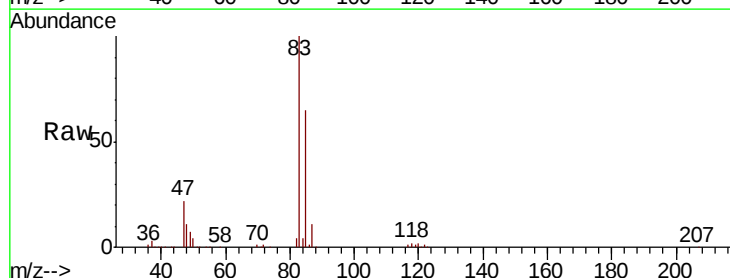
Acq: 17 Aug 2018 11:20

Tgt Ion: 83 Resp: 678024

Ion Ratio Lower Upper

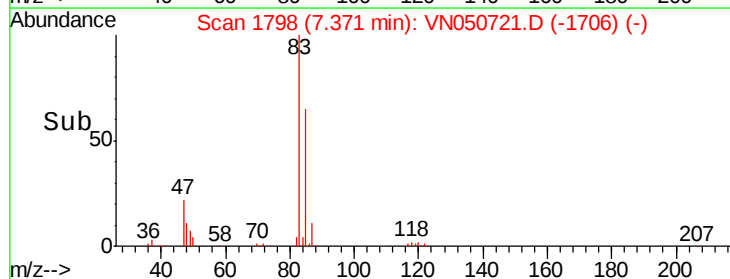
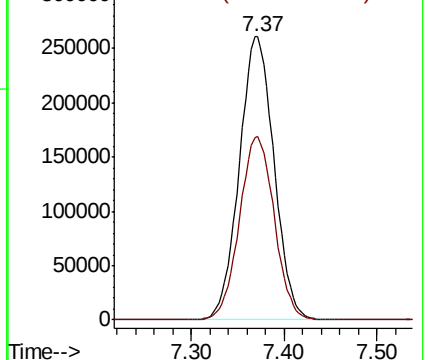
83 100

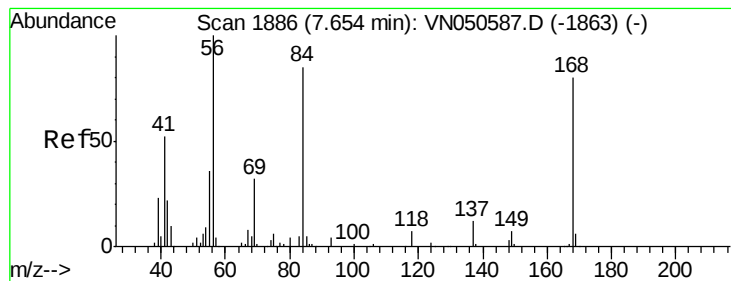
85 64.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 47.39 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :

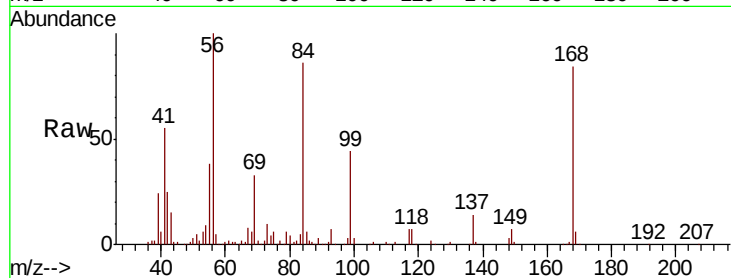
Tot Ion: 56 Resp: 608734

Ion Ratio Lower Upper

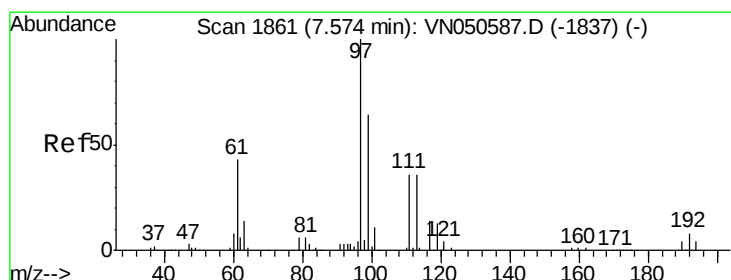
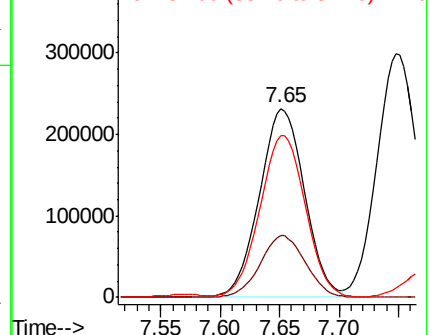
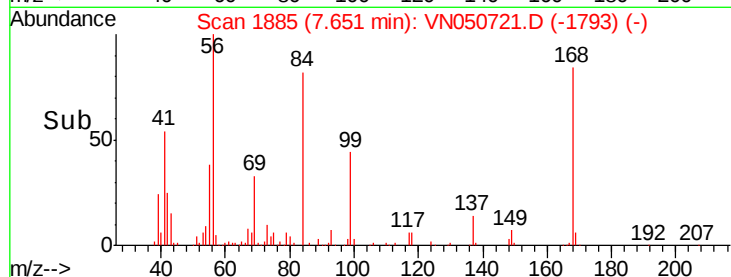
56 100

69 32.9 25.8 38.6

84 84.2 67.8 101.6



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



#32

1,1,1-Trichloroethane

Concen: 44.84 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

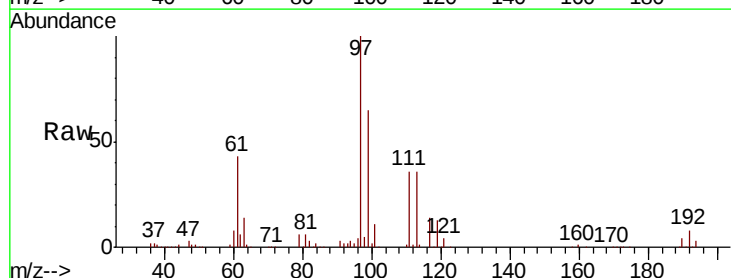
Tgt Ion: 97 Resp: 575498

Ion Ratio Lower Upper

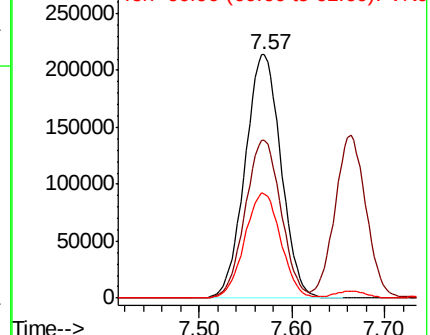
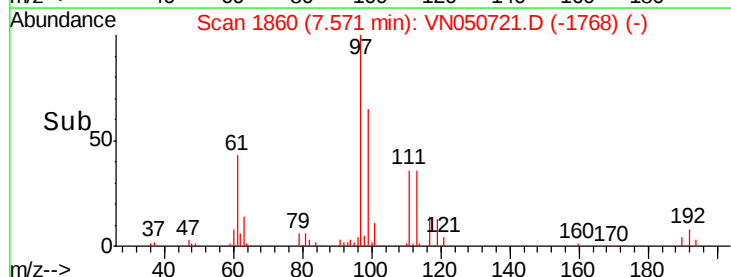
97 100

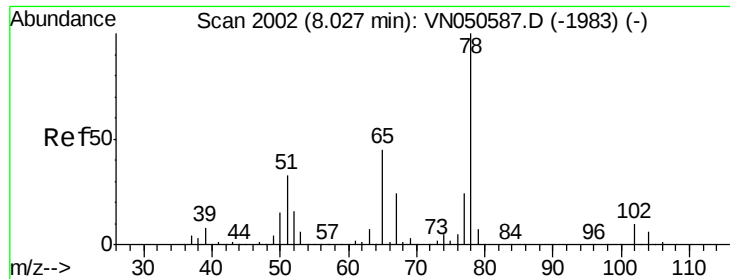
99 64.7 51.1 76.7

61 43.4 34.8 52.2



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

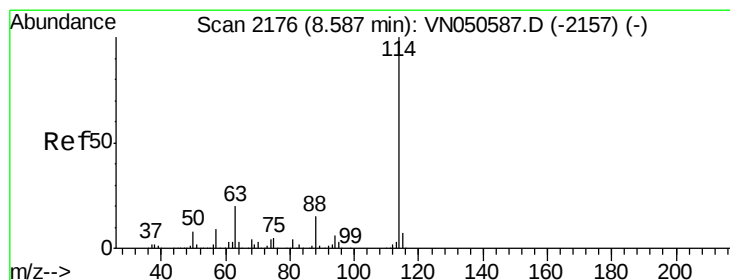
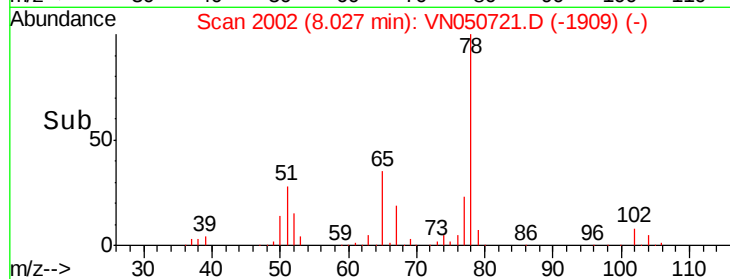
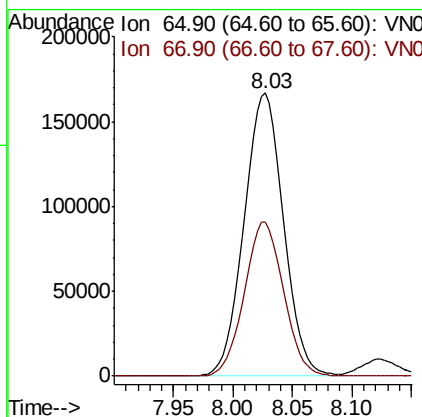
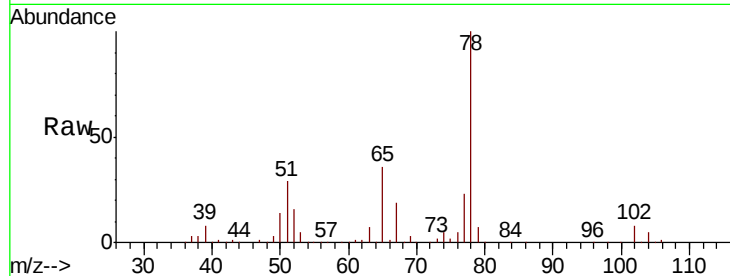




#33
 1,2-Dichloroethane-d4
 Concen: 45.24 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

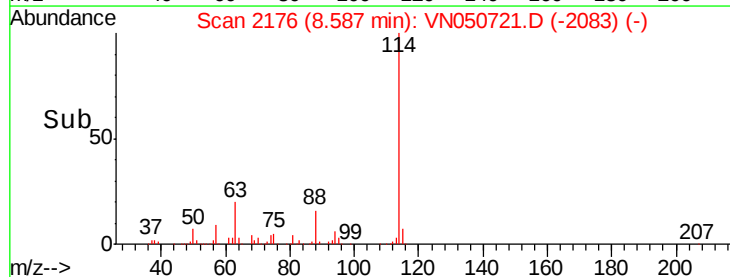
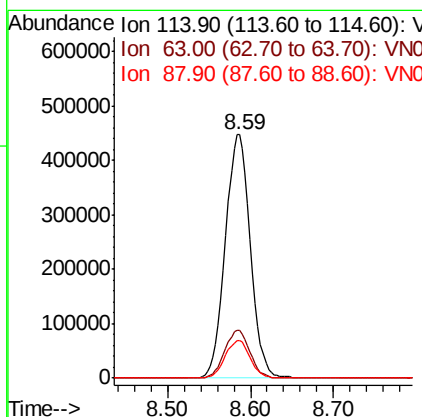
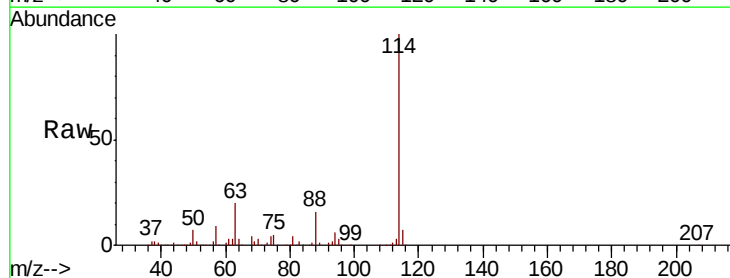
Instrument :
 MSVOA_N
 ClientSampleId :

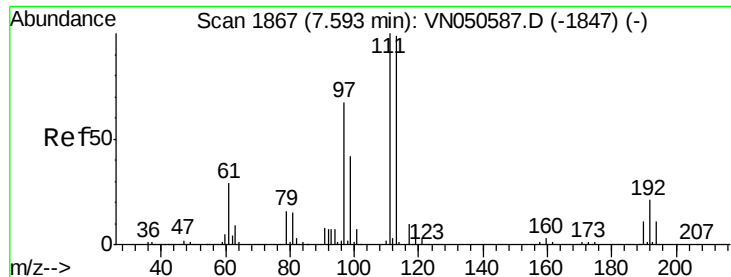
Tot Ion: 65 Resp: 383184
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion: 114 Resp: 937897
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.6 0.0 30.8

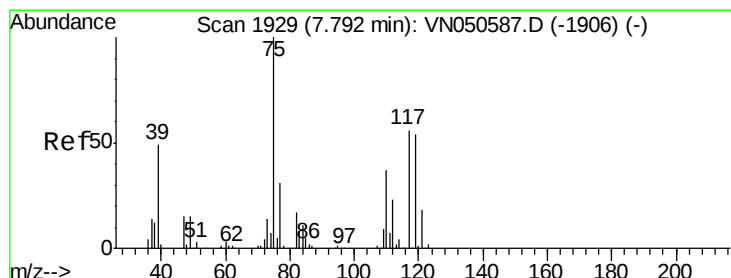
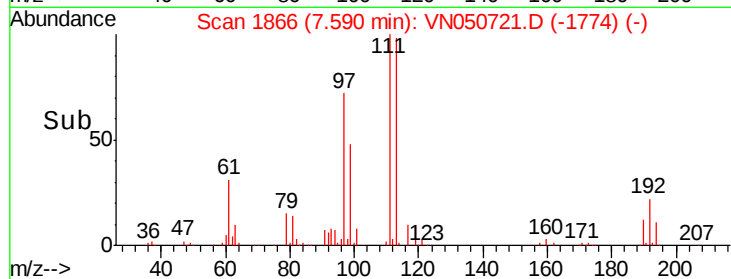
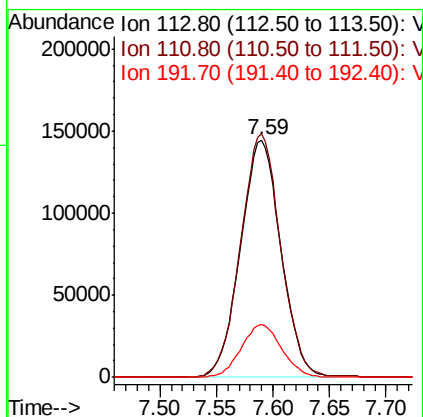
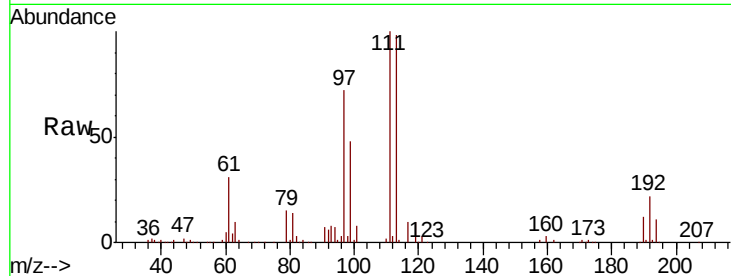




#35
 Dibromofluoromethane
 Concen: 47.92 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

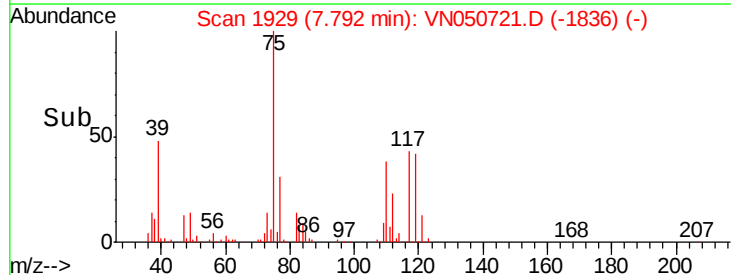
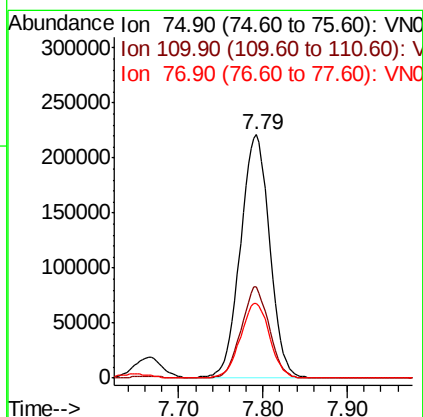
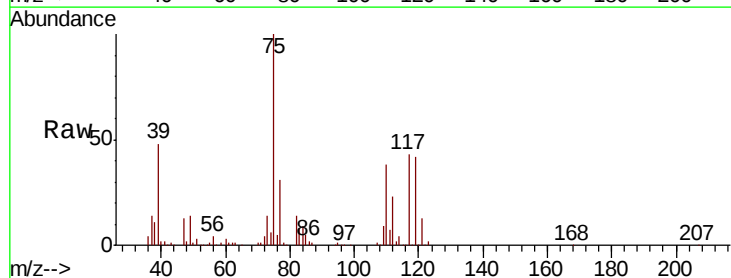
Instrument :
 MSVOA_N
 ClientSampleId :

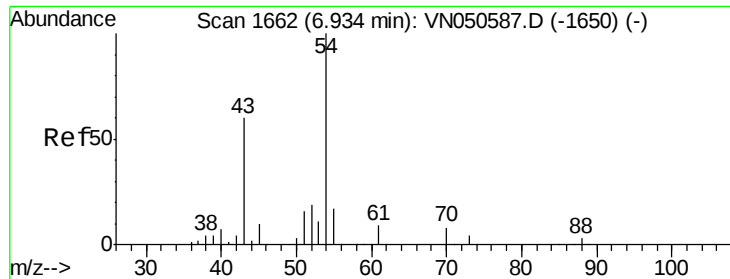
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.0	121.6
192	22.3	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 51.03 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	31.1	25.0	37.4

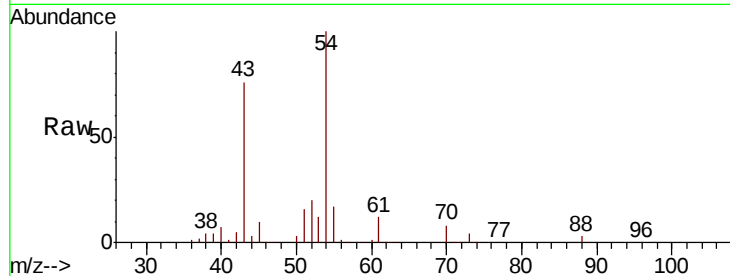




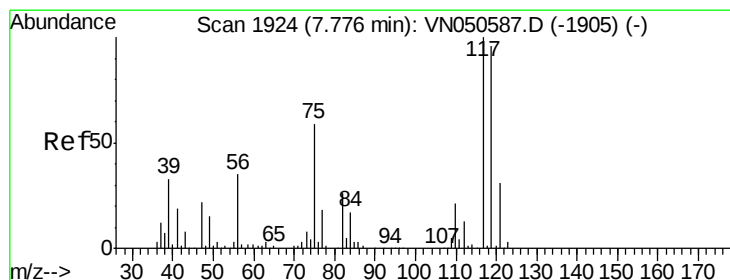
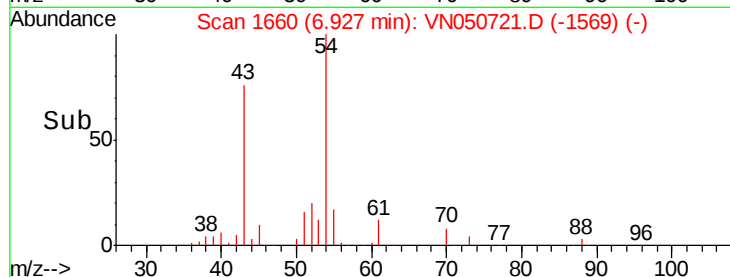
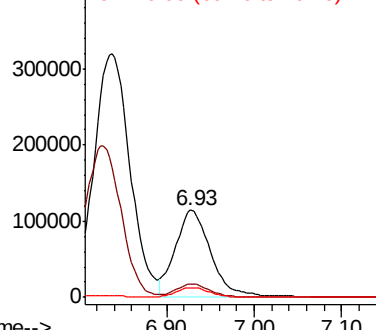
#37
Ethyl Acetate
Concen: 53.91 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 318160
Ion Ratio Lower Upper
43 100
61 15.1 12.0 18.0
70 11.1 8.5 12.7

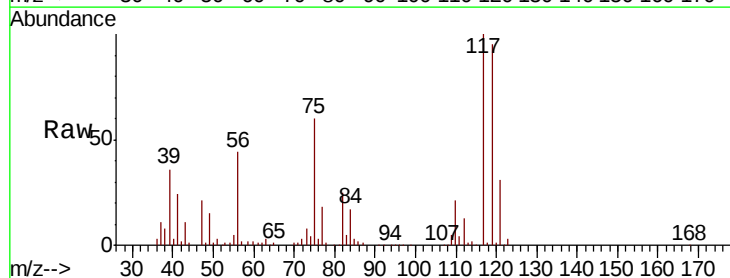


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

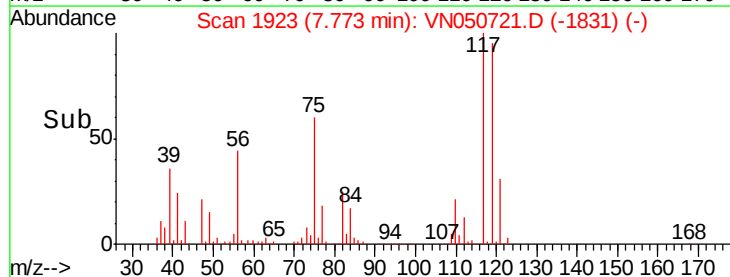
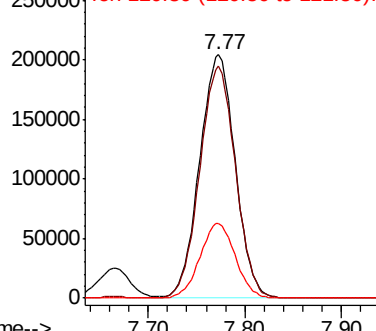


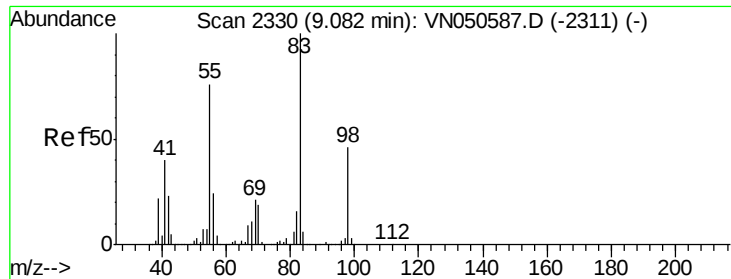
#38
Carbon Tetrachloride
Concen: 48.17 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 117 Resp: 521704
Ion Ratio Lower Upper
117 100
119 95.2 76.6 115.0
121 30.8 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

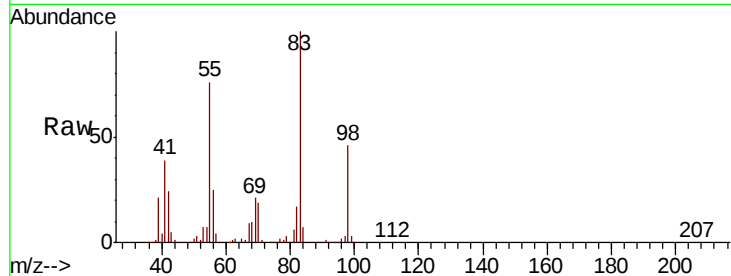




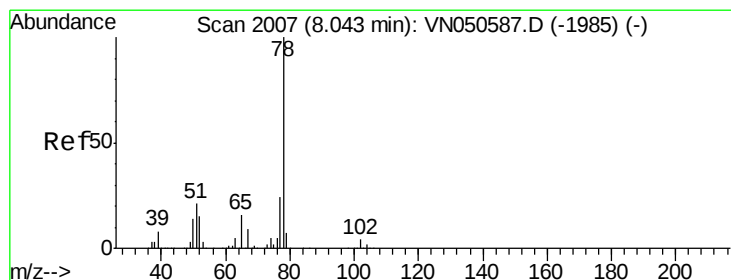
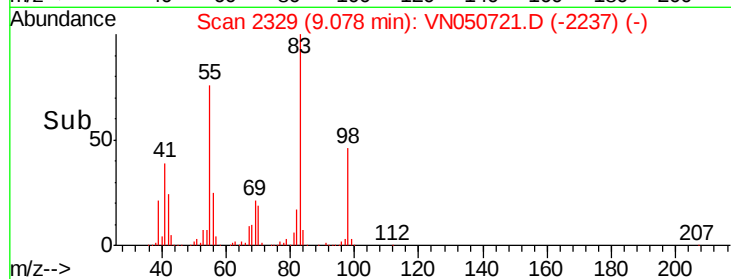
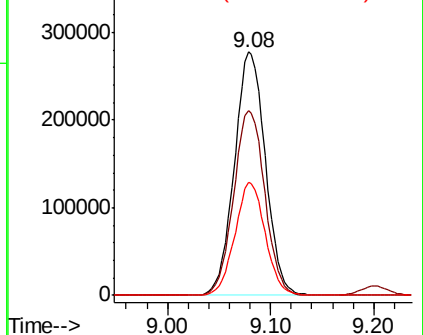
#39
Methvlcvclohexane
Concen: 53.80 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 581528
Ion Ratio Lower Upper
83 100
55 75.6 60.6 91.0
98 46.2 37.0 55.4

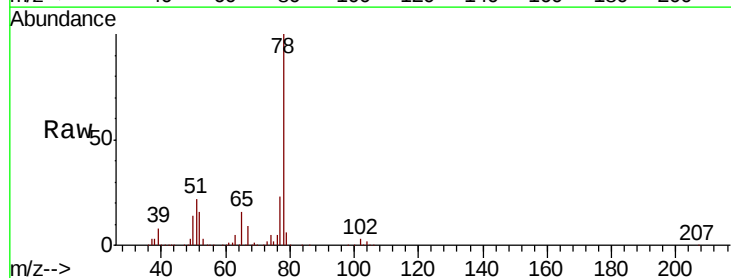


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

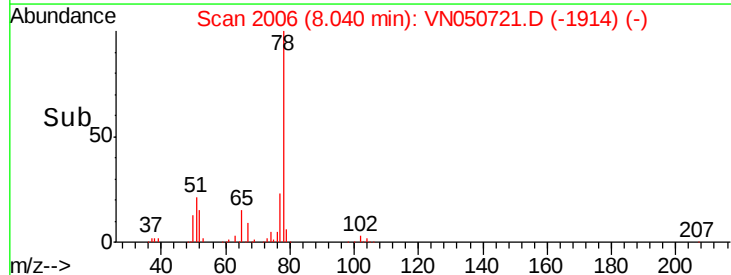
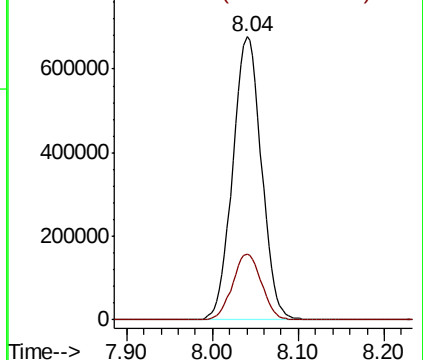


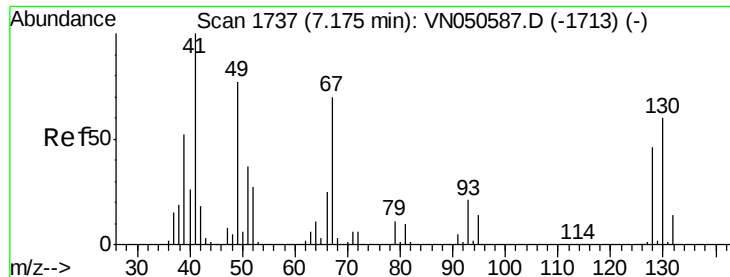
#40
Benzene
Concen: 49.58 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 78 Resp: 1574656
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.6



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

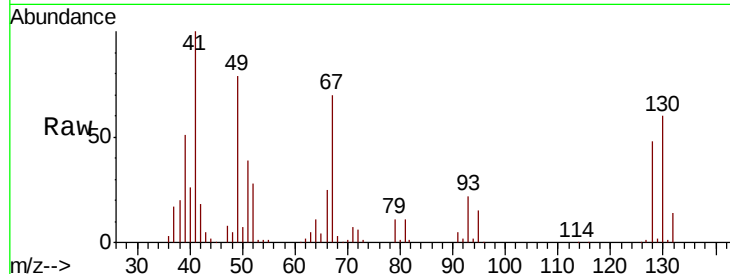




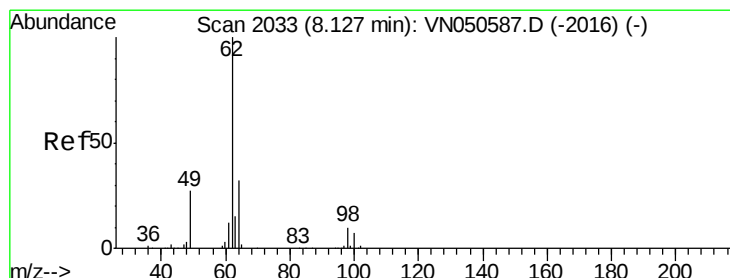
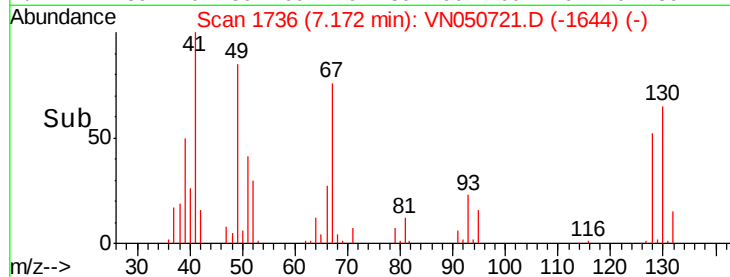
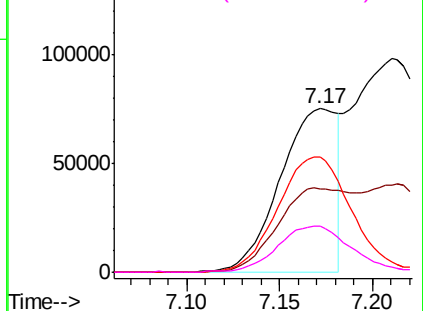
#41
Methacrylonitrile
Concen: 50.22 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 160215
Ion Ratio Lower Upper
41 100
39 66.8 44.6 66.8#
67 92.0 66.7 100.1
52 37.4 26.5 39.7

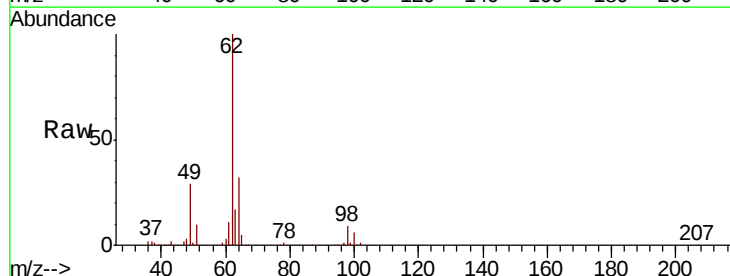


Abundance Ion 41.00 (40.70 to 41.70): VNO
150000 Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

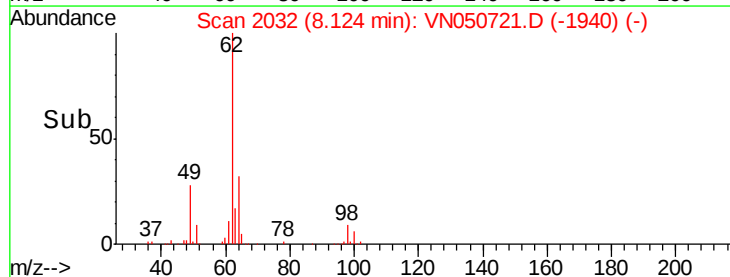
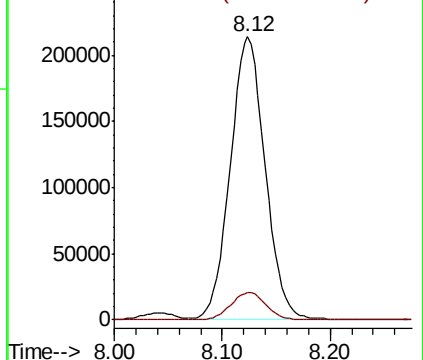


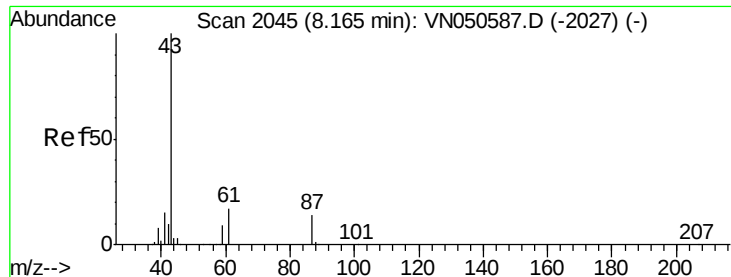
#42
1,2-Dichloroethane
Concen: 49.30 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 62 Resp: 479941
Ion Ratio Lower Upper
62 100
98 9.8 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
250000 Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.14 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

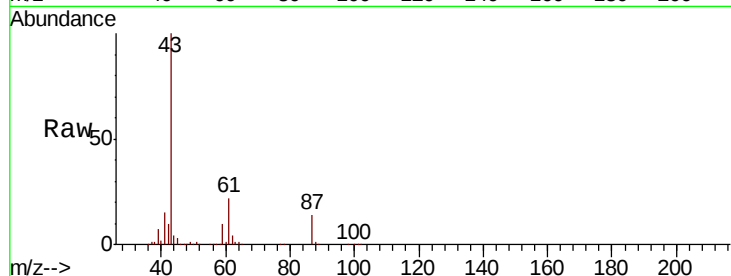
Tot Ion: 43 Resp: 550019

Ion Ratio Lower Upper

43 100

61 21.1 16.2 24.2

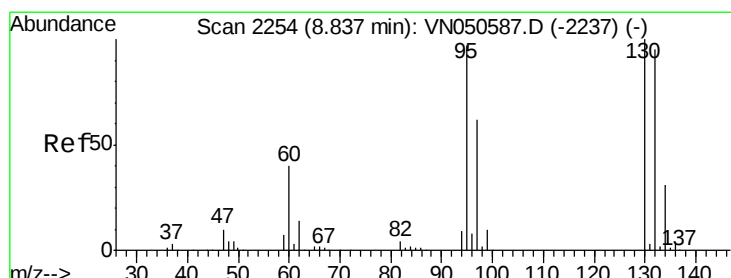
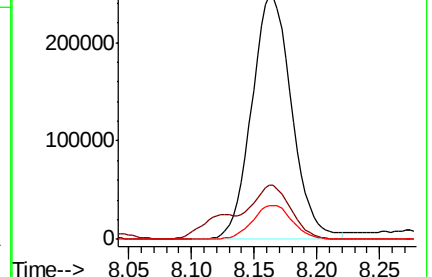
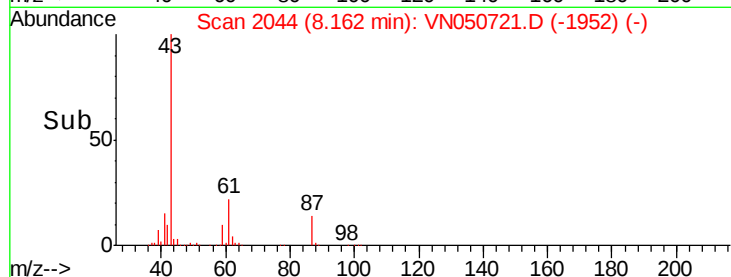
87 13.9 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)



#44

Trichloroethene

Concen: 48.54 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN050721.D

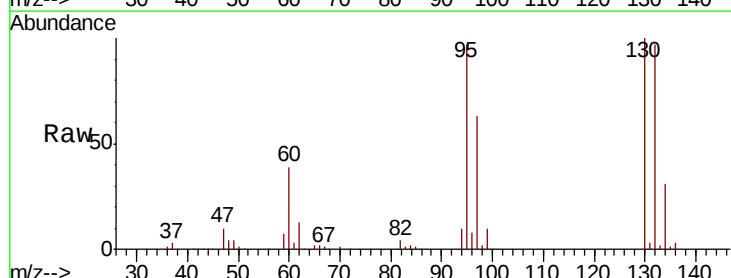
Acq: 17 Aug 2018 11:20

Tgt Ion:130 Resp: 412957

Ion Ratio Lower Upper

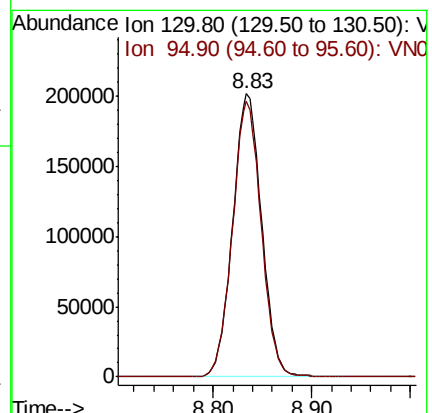
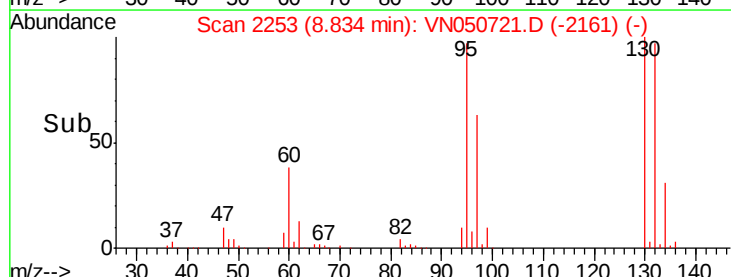
130 100

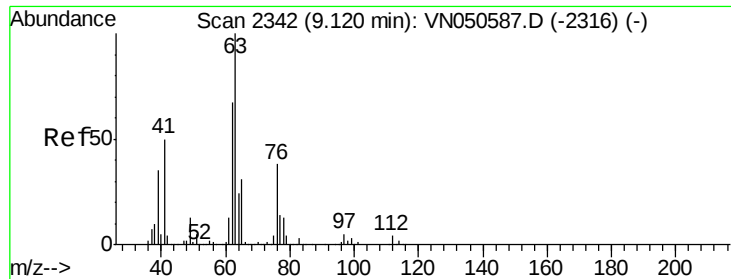
95 97.4 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

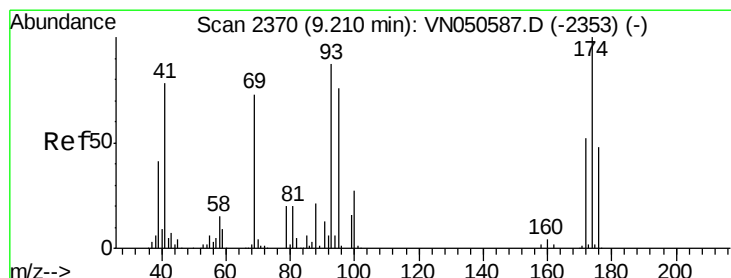
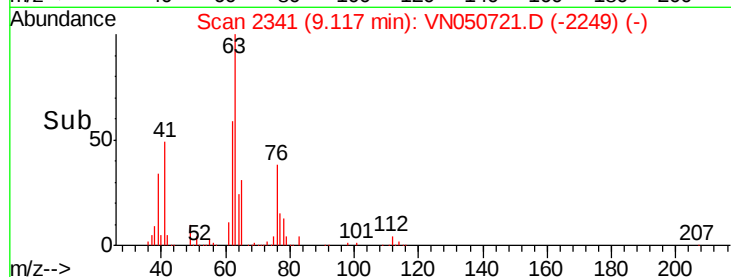
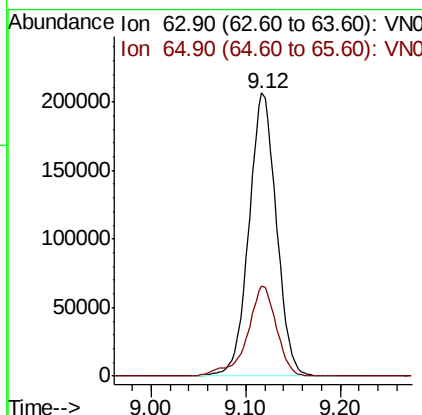
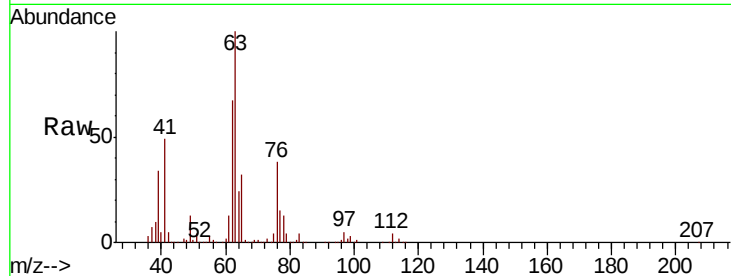




#45
 1,2-Dichloropropane
 Concen: 49.18 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

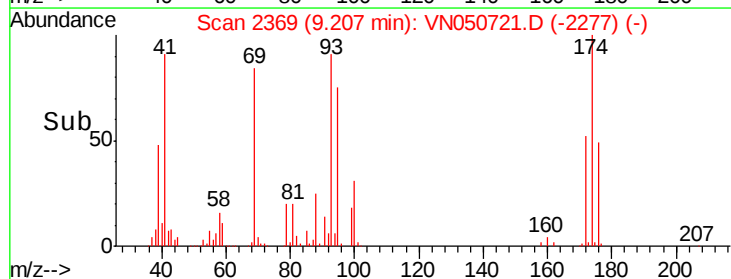
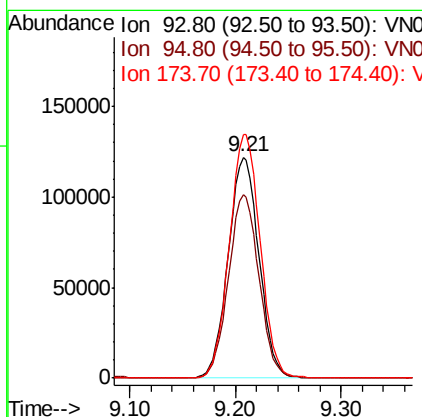
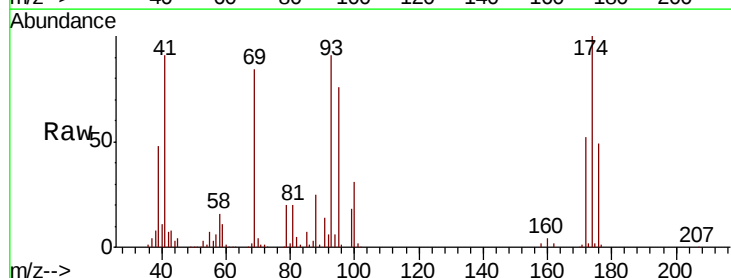
Instrument :
 MSVOA_N
 ClientSampleId :

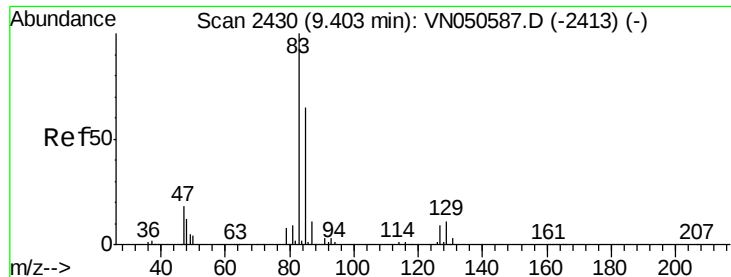
Tot Ion: 63 Resp: 415855
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.5 36.7



#46
 Dibromomethane
 Concen: 49.37 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion: 93 Resp: 246522
 Ion Ratio Lower Upper
 93 100
 95 82.5 69.1 103.7
 174 110.7 91.0 136.6





#47

Bromodichloromethane

Concen: 48.61 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :

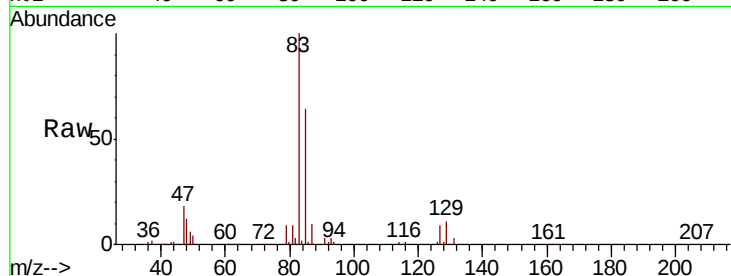
Tot Ion: 83 Resp: 518795

Ion Ratio Lower Upper

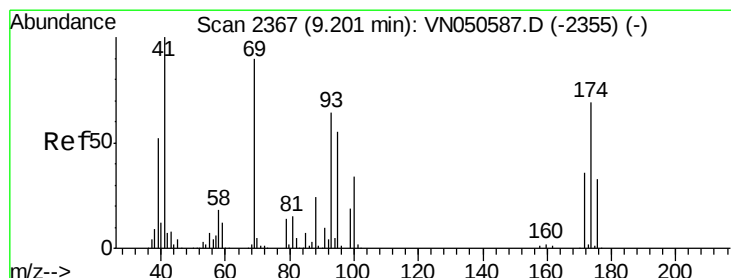
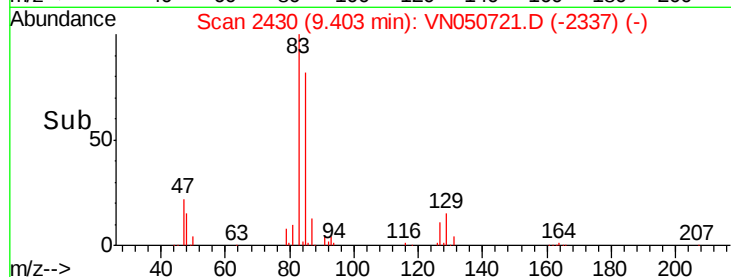
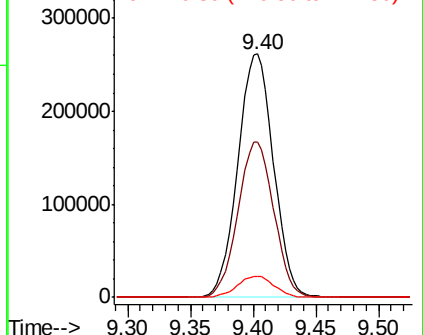
83 100

85 63.8 51.8 77.6

127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 52.18 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

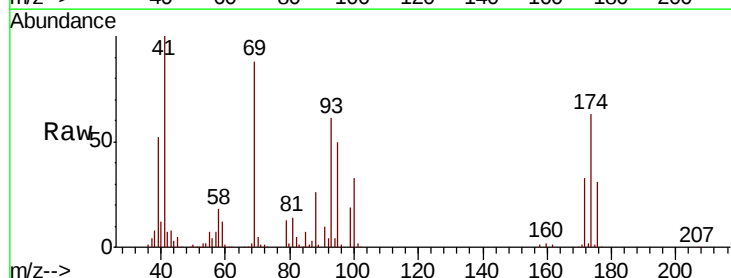
Tgt Ion: 41 Resp: 282381

Ion Ratio Lower Upper

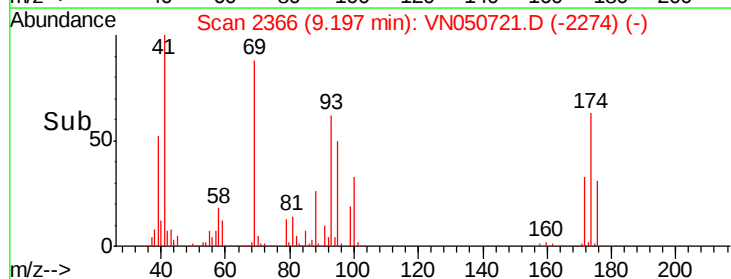
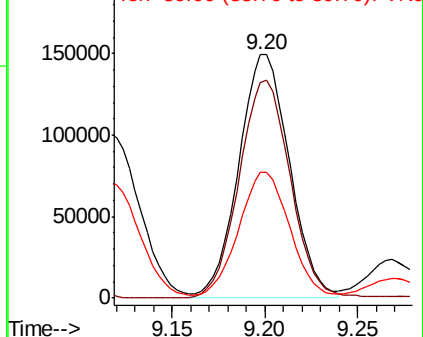
41 100

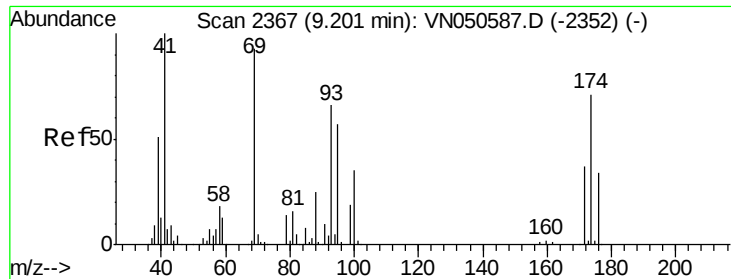
69 91.0 73.4 110.0

39 52.6 43.0 64.6



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

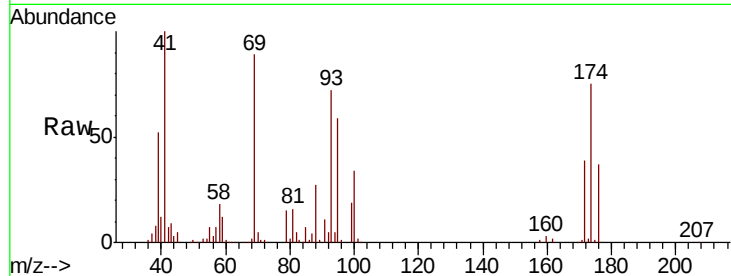




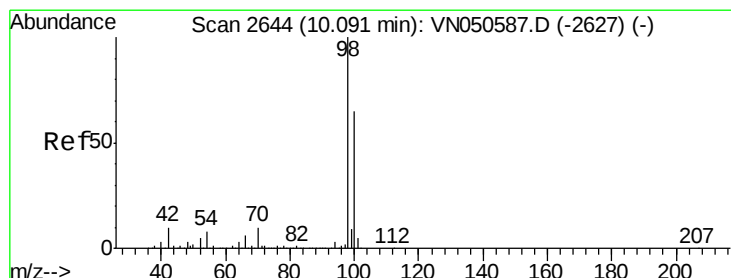
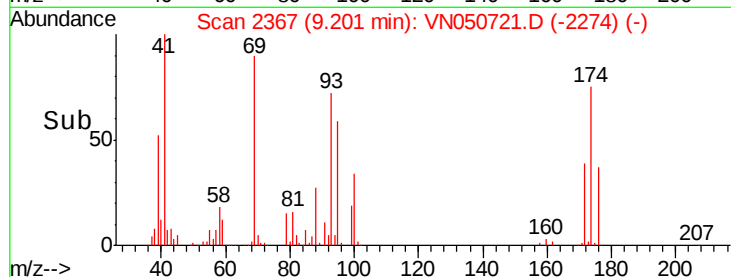
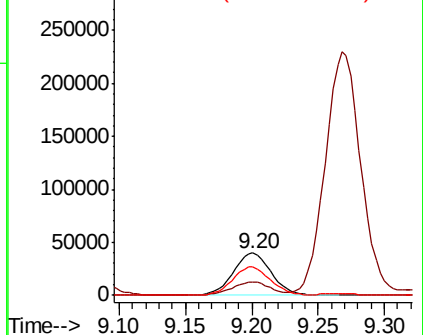
#49
1,4-Dioxane
Concen: 1114.38 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 79448
Ion Ratio Lower Upper
88 100
43 30.7 25.9 38.9
58 67.2 56.5 84.7

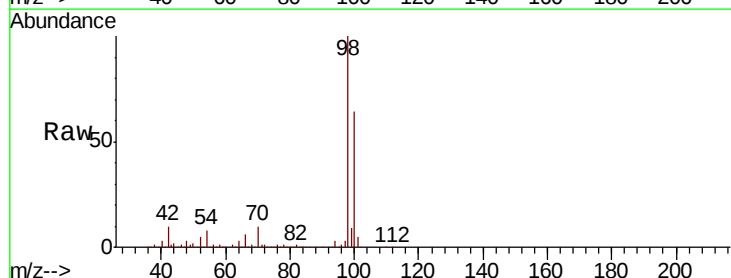


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

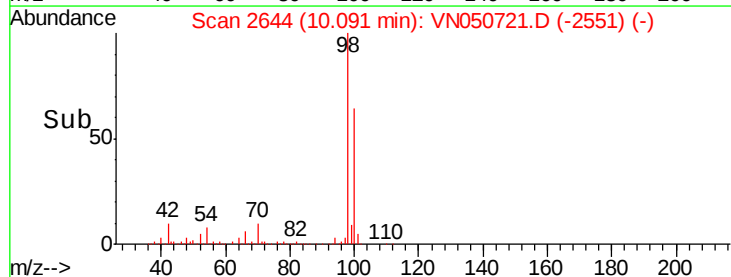
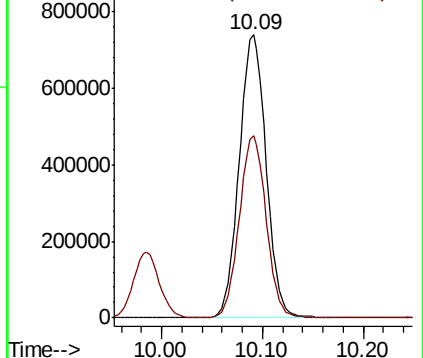


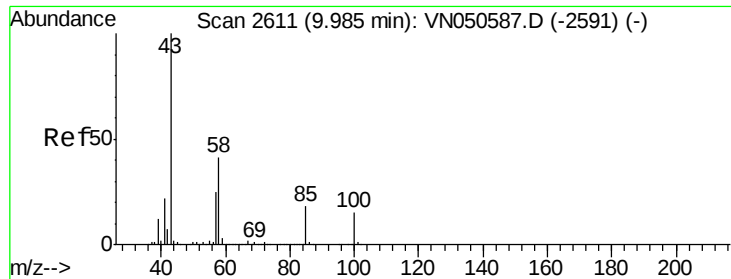
#50
Toluene-d8
Concen: 48.42 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 98 Resp: 1364401
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.8



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

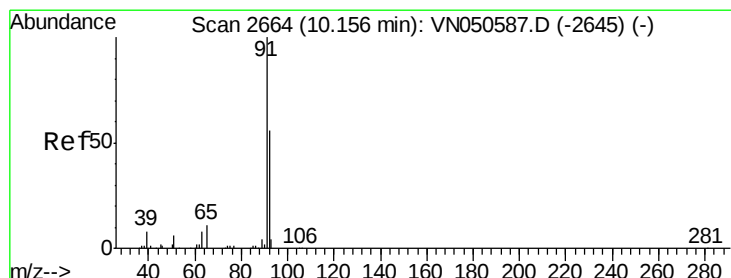
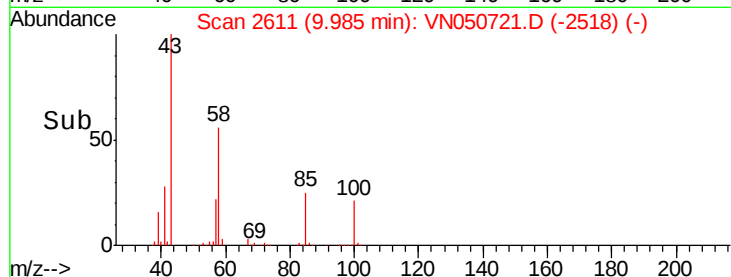
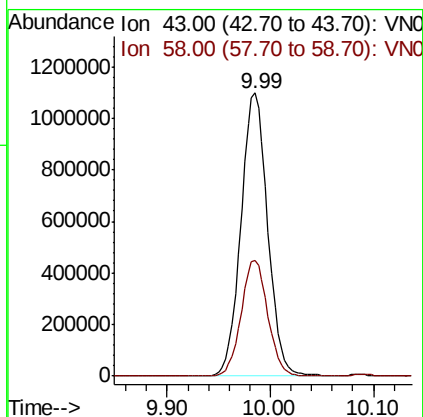
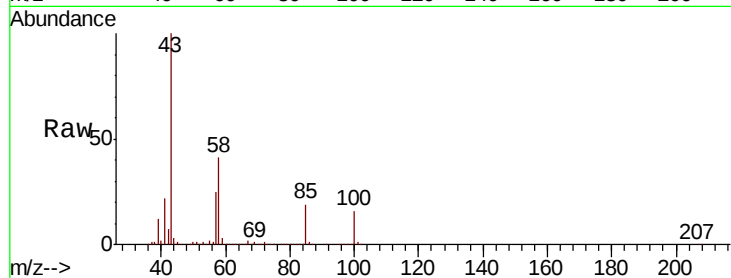




#51
 4-Methyl-2-Pentanone
 Concen: 271.66 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

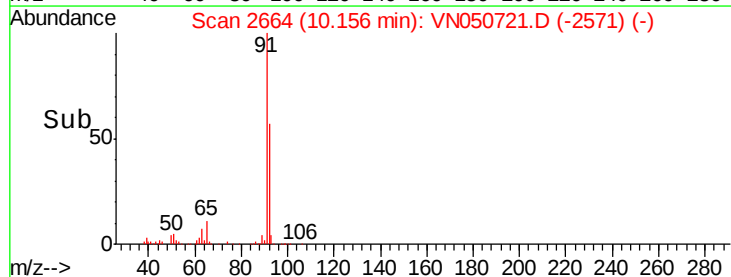
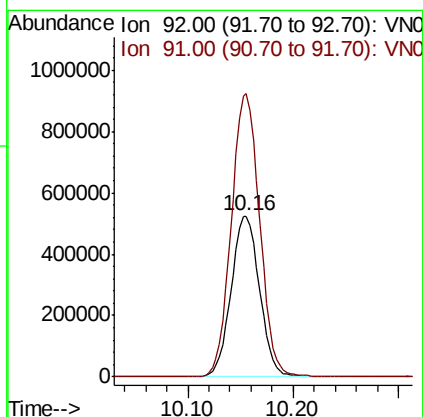
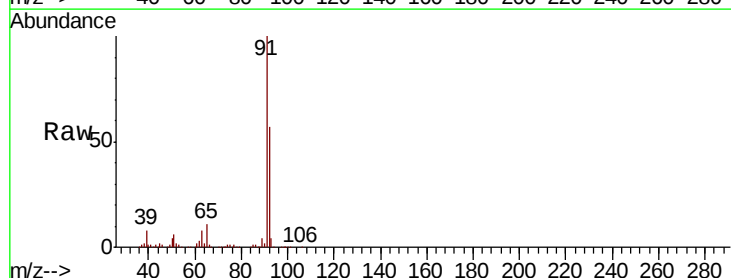
Instrument :
 MSVOA_N
 ClientSampled :

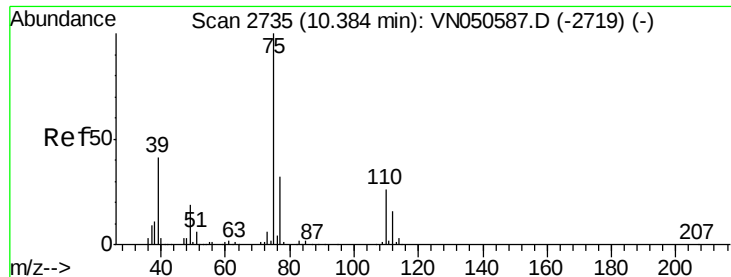
Tot Ion: 43 Resp: 1976006
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.5 48.7



#52
 Toluene
 Concen: 51.56 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion: 92 Resp: 977851
 Ion Ratio Lower Upper
 92 100
 91 176.1 141.9 212.9

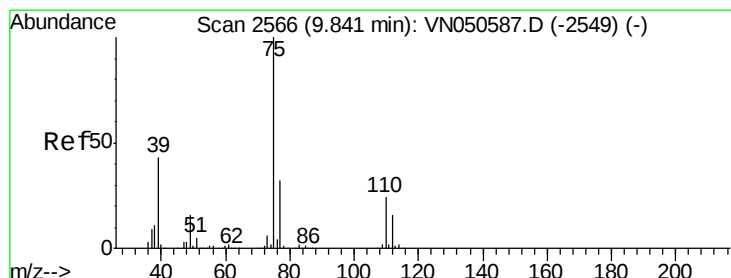
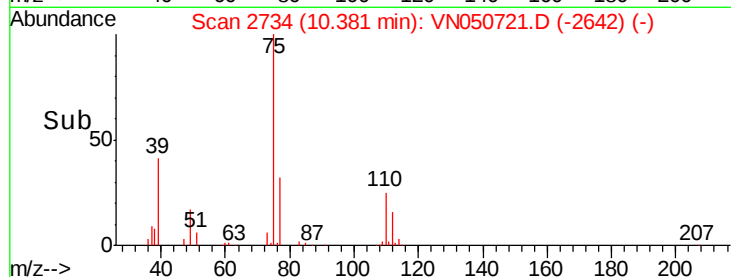
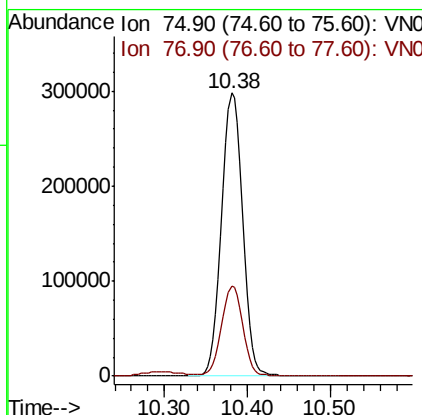
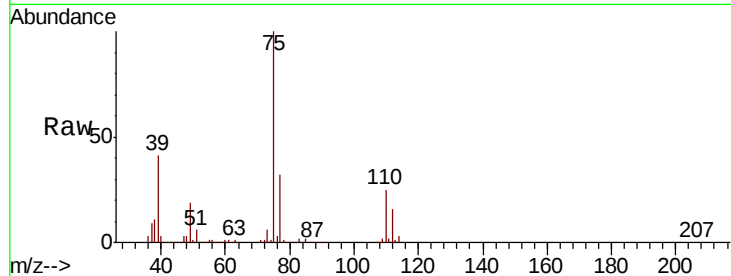




#53
t-1,3-Dichloropropene
Concen: 53.07 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

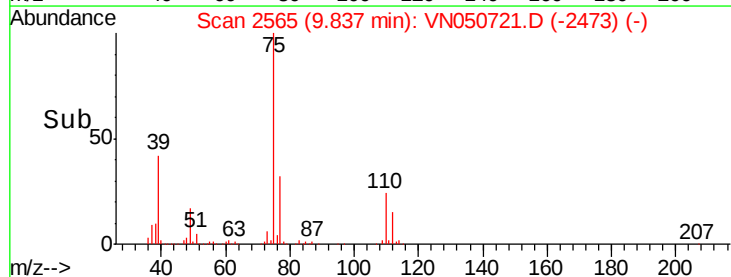
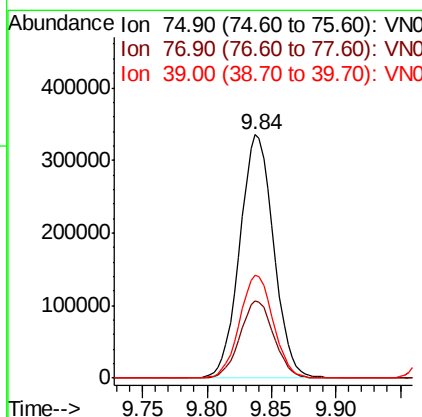
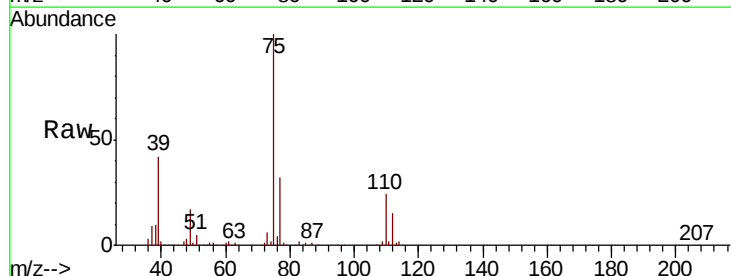
Instrument :
MSVOA_N
ClientSampled :

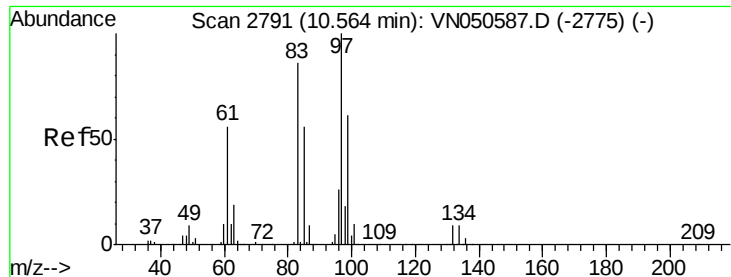
Tot Ion: 75 Resp: 527547
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.6



#54
cis-1,3-Dichloropropene
Concen: 53.80 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 75 Resp: 613529
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4
39 42.4 34.4 51.6

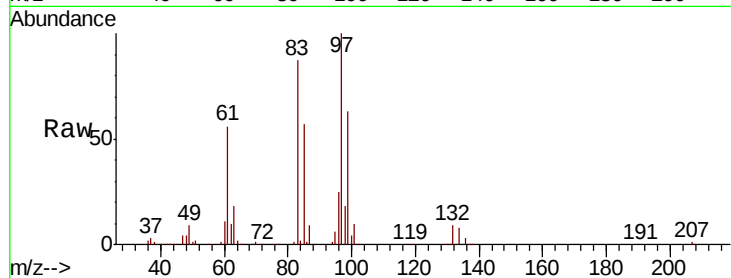




#55
 1,1,2-Trichloroethane
 Concen: 49.83 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	353019
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.5	102.7
85	57.1	44.6	66.8
99	63.3	49.1	73.7



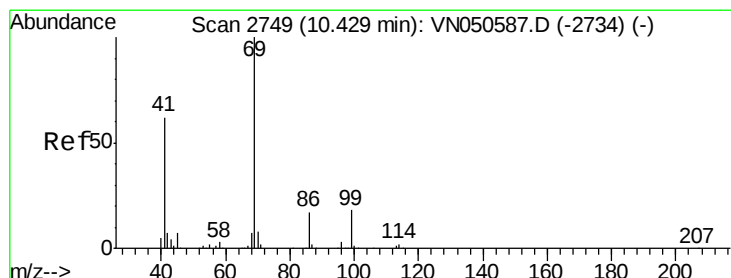
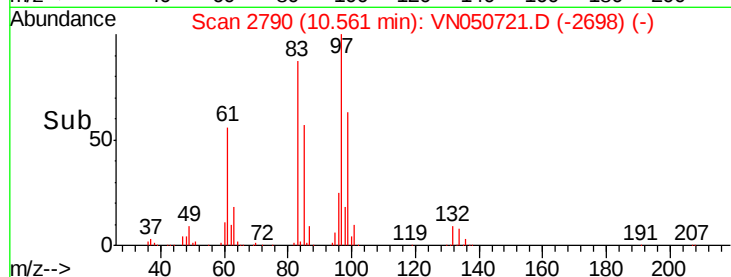
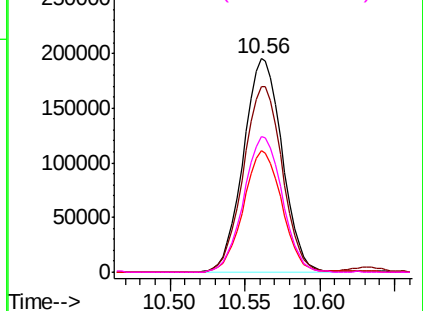
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

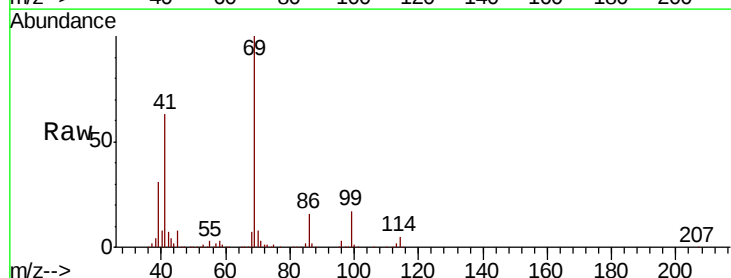
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 49.12 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion	69	Resp	443655
Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	30.5	24.2	36.2

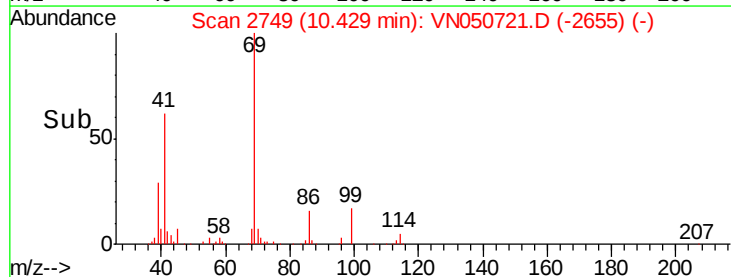
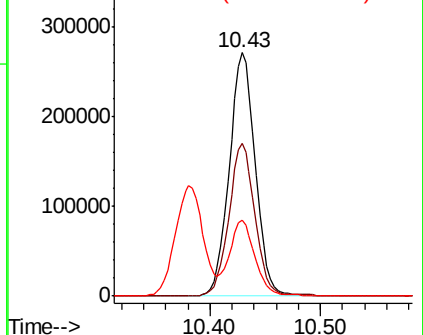


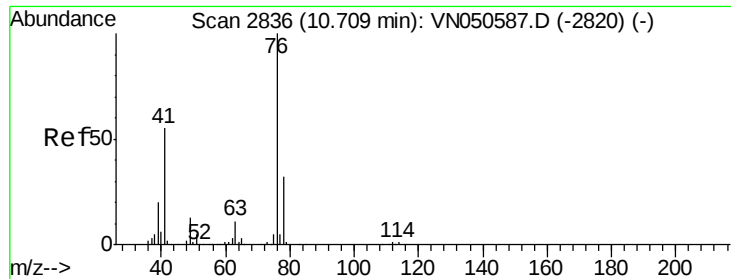
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 51.41 ug/l

RT: 10.71 min Scan# 2835

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

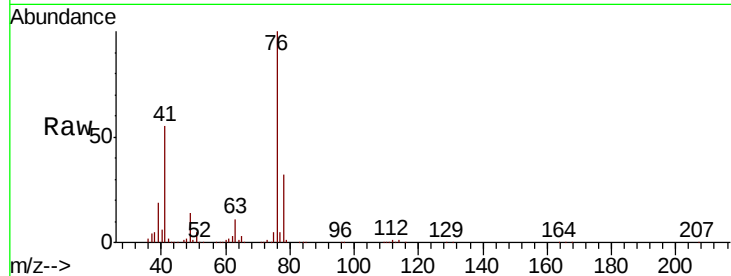
ClientSampleId :

Tot Ion: 76 Resp: 597084

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

300000

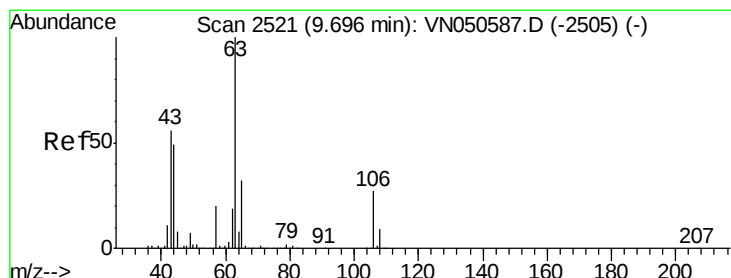
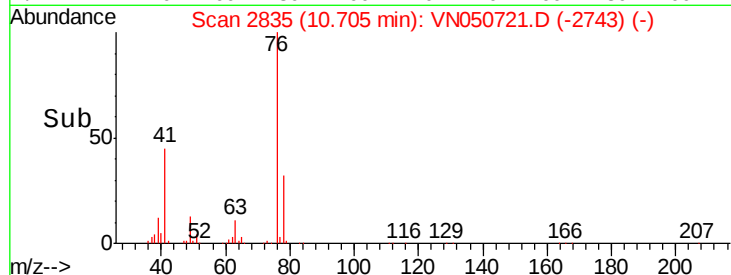
200000

100000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 249.18 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050721.D

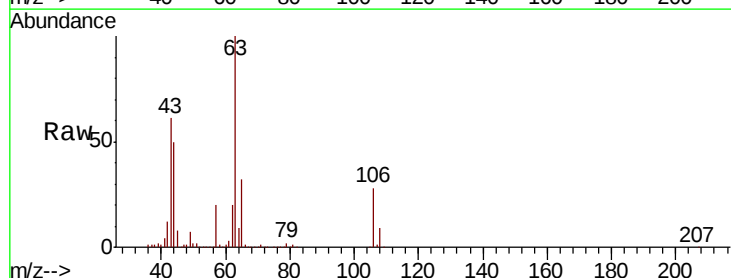
Acq: 17 Aug 2018 11:20

Tgt Ion: 63 Resp: 1078553

Ion Ratio Lower Upper

63 100

106 27.4 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

600000

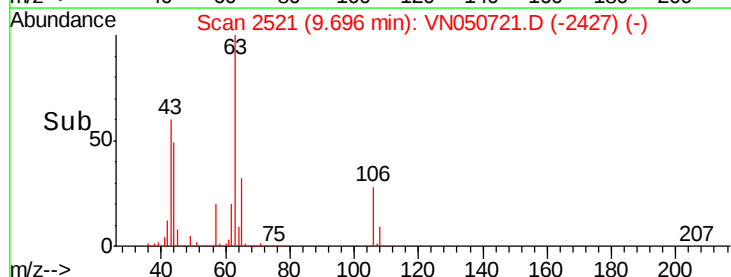
400000

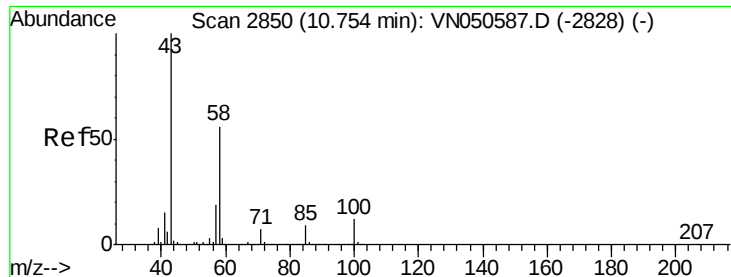
200000

0

Time-->

9.60 9.70 9.80

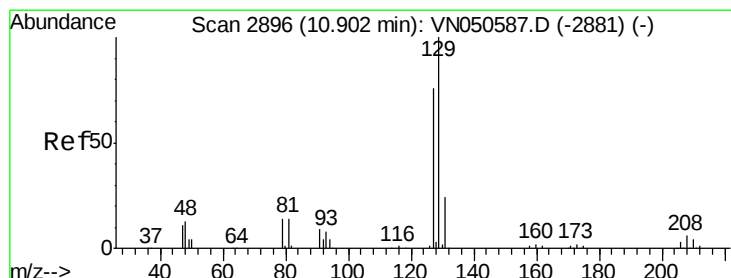
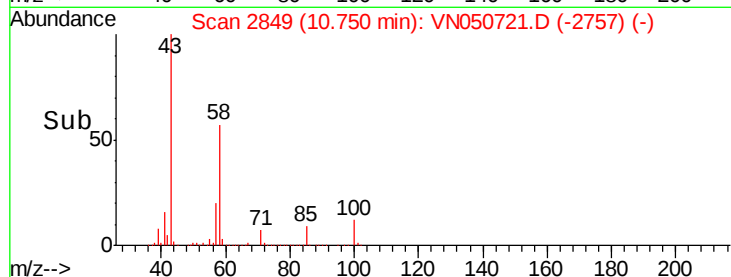
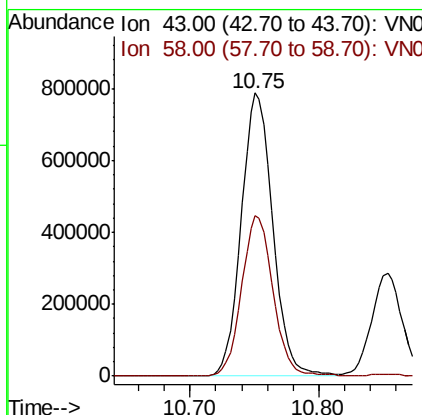
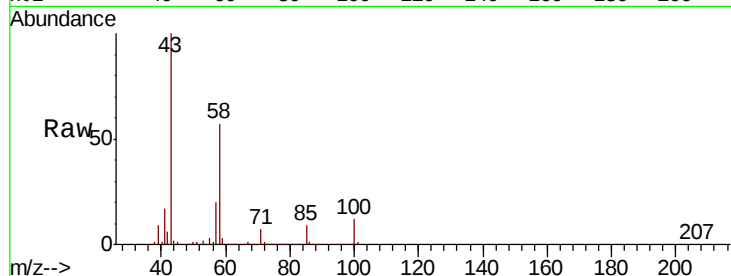




#59
2-Hexanone
Concen: 285.07 ug/l
RT: 10.75 min Scan# 2849
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

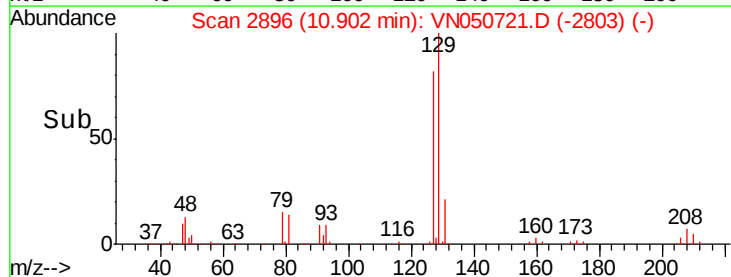
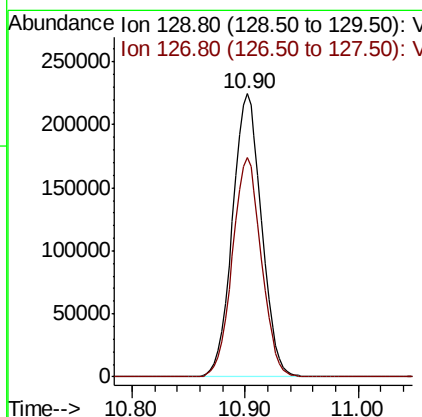
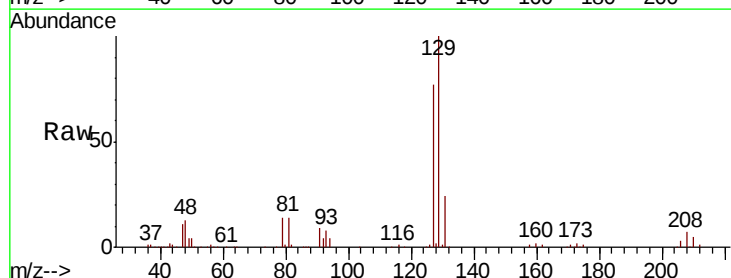
Instrument :
MSVOA_N
ClientSampled :

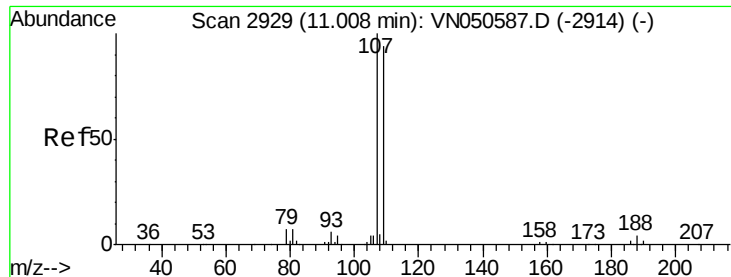
Tot Ion: 43 Resp: 1338282
Ion Ratio Lower Upper
43 100
58 56.5 28.0 84.0



#60
Dibromochloromethane
Concen: 51.34 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 129 Resp: 401448
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.7

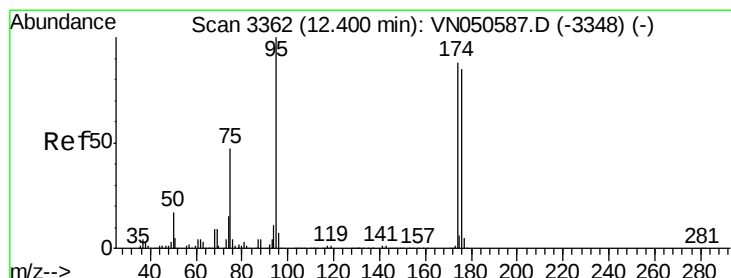
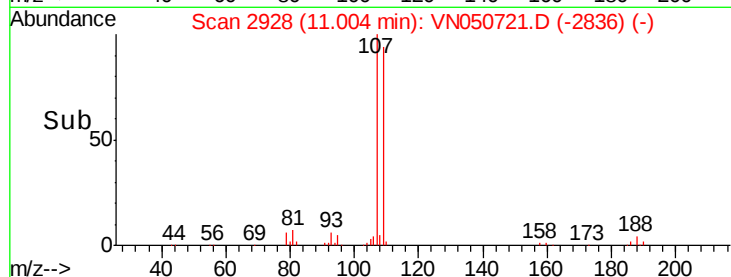
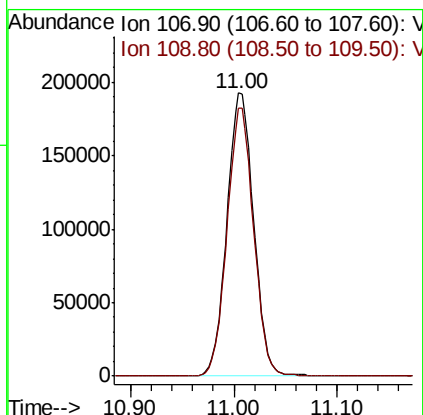
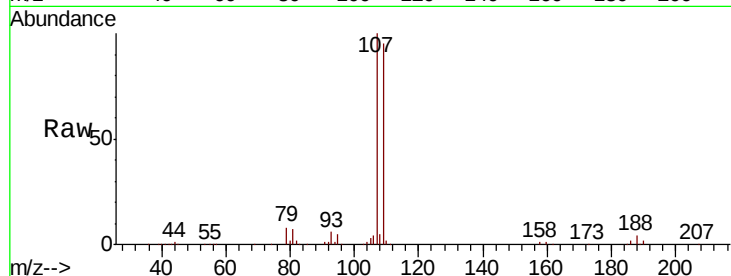




#61
 1,2-Dibromoethane
 Concen: 51.65 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. -0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

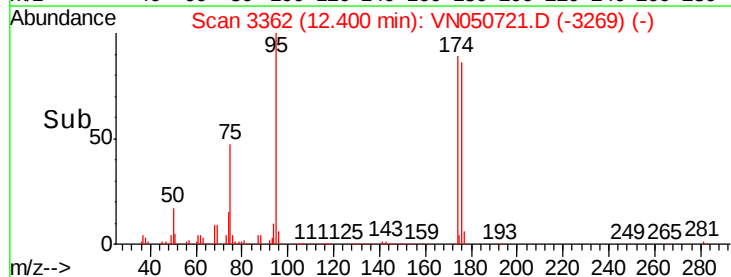
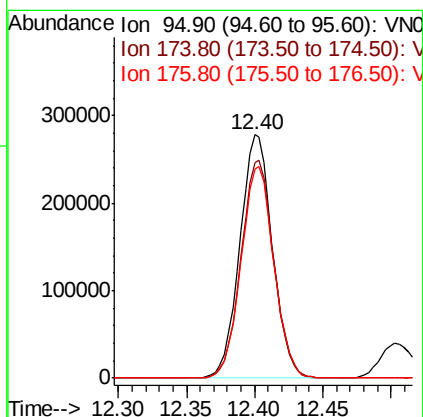
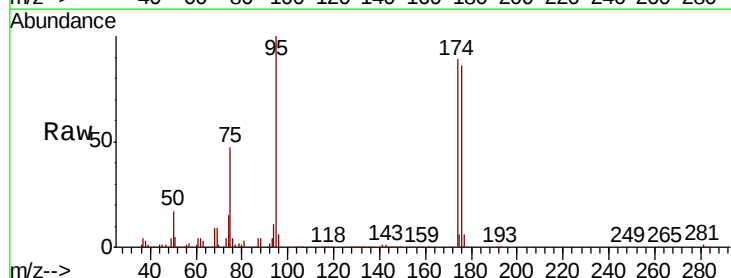
Instrument :
 MSVOA_N
 ClientSampleId :

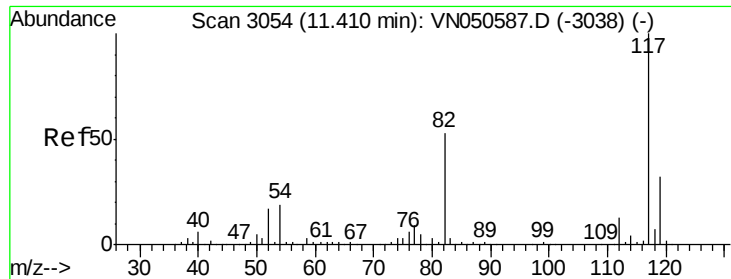
Tot Ion:107 Resp: 348461
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 49.42 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion: 95 Resp: 460102
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 177.8
 176 87.5 0.0 175.0

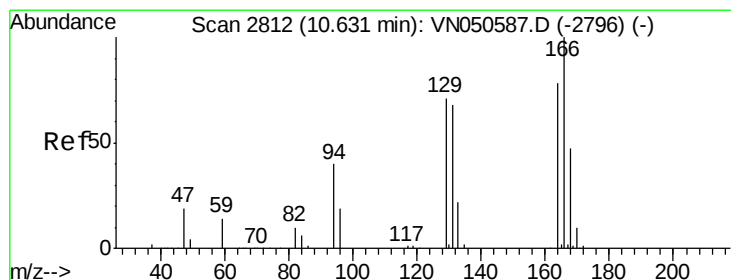
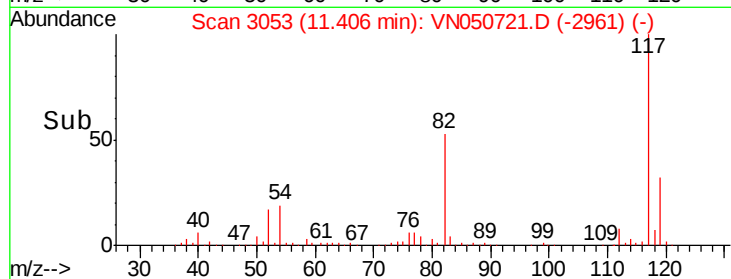
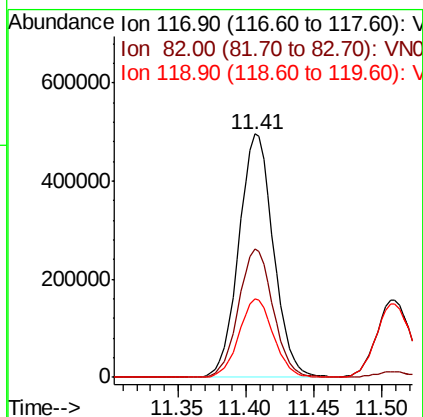
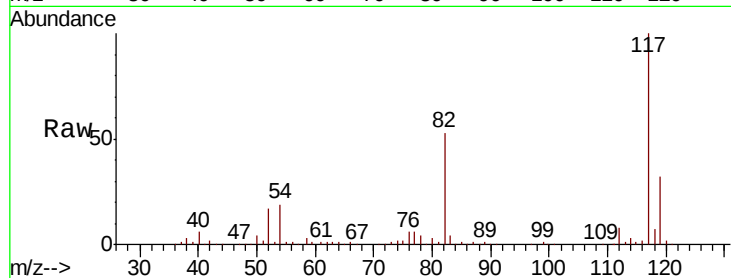




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

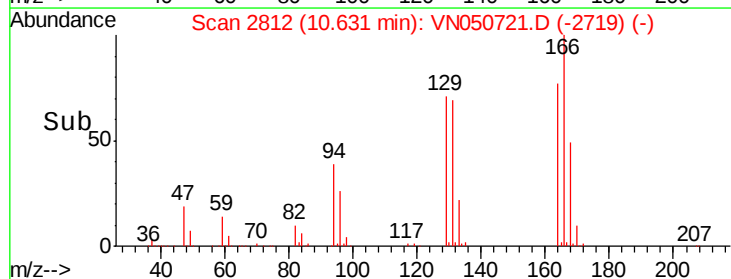
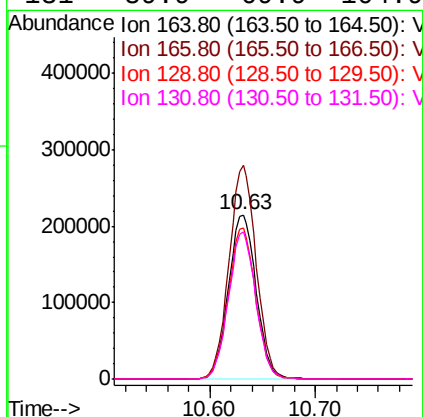
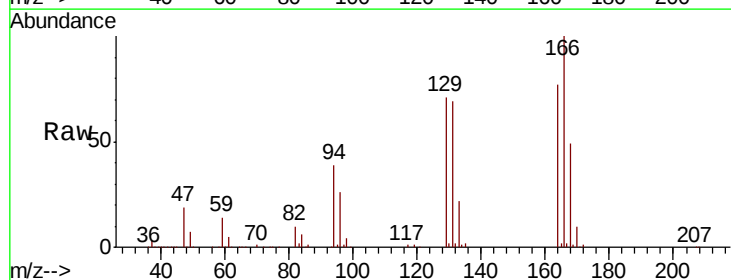
Instrument :
MSVOA_N
ClientSampleId :

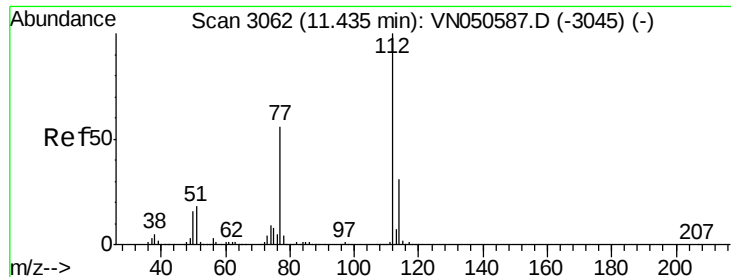
Tot Ion:117 Resp: 872496
Ion Ratio Lower Upper
117 100
82 52.6 42.4 63.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 48.13 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion:164 Resp: 390008
Ion Ratio Lower Upper
164 100
166 129.9 102.1 153.1
129 91.8 72.7 109.1
131 89.9 69.9 104.9

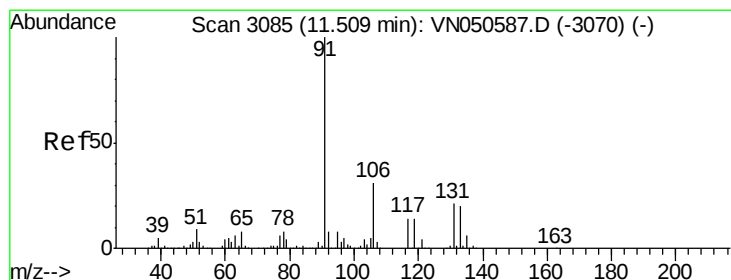
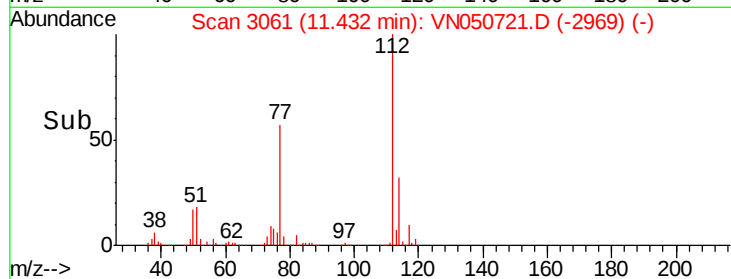
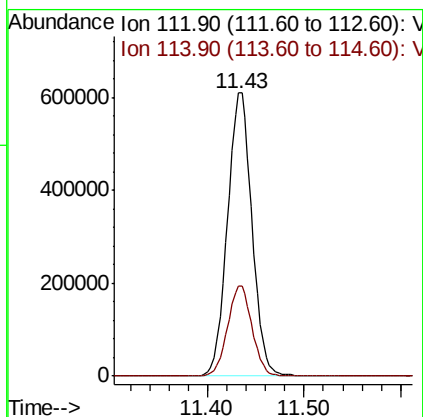
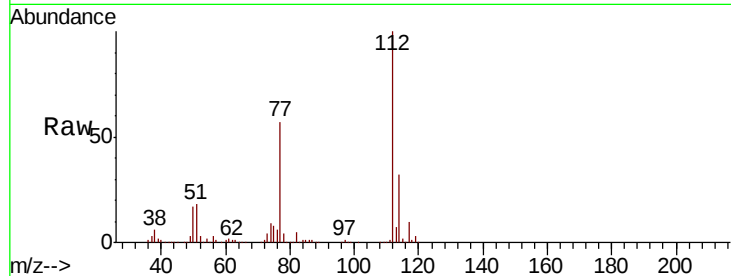




#65
Chlorobenzene
Concen: 49.28 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

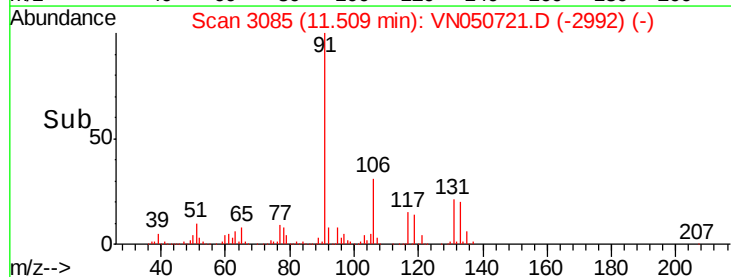
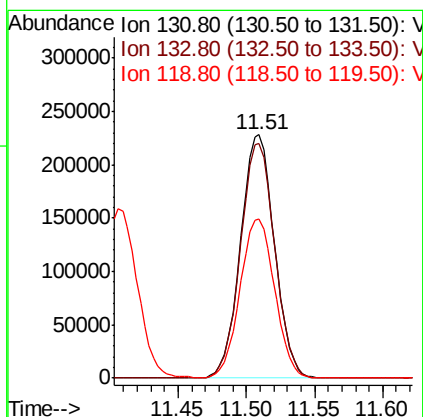
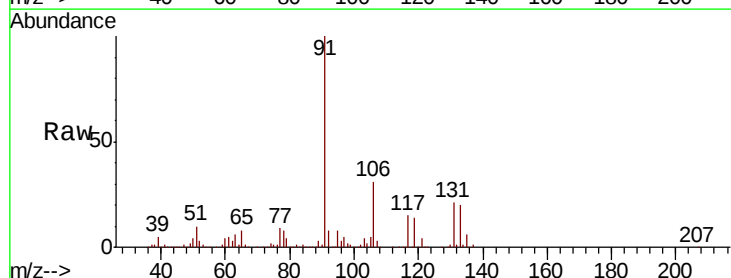
Instrument :
MSVOA_N
ClientSampled :

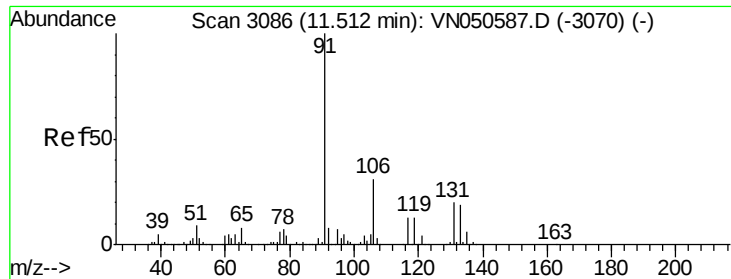
Tot Ion:112 Resp: 1070018
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 48.33 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion:131 Resp: 393426
Ion Ratio Lower Upper
131 100
133 97.5 47.6 142.9
119 66.9 33.1 99.3





#67

Ethyl Benzene

Concen: 52.57 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

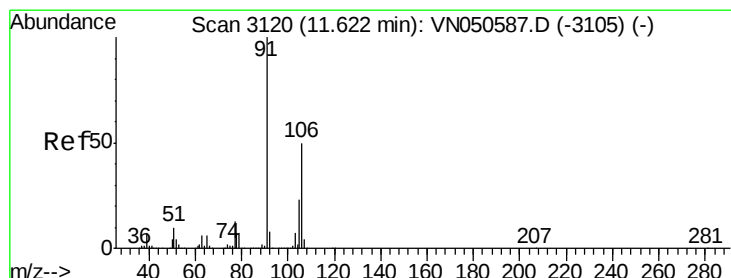
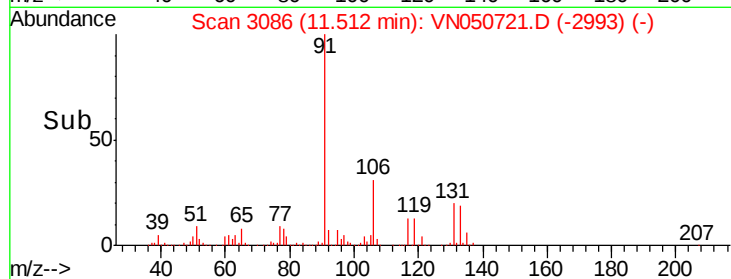
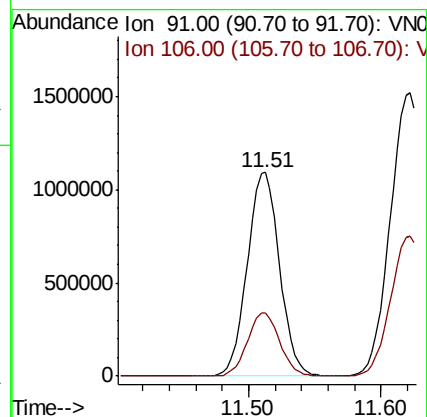
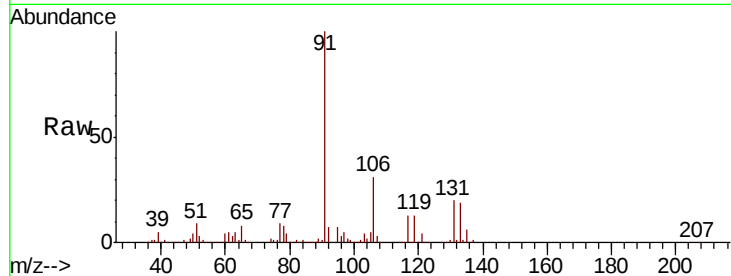
ClientSampleId :

Tot Ion: 91 Resp: 1843049

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 106.41 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050721.D

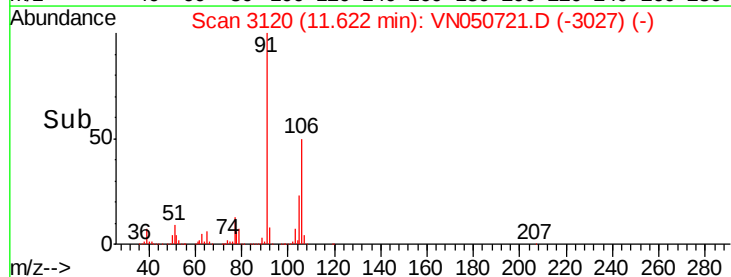
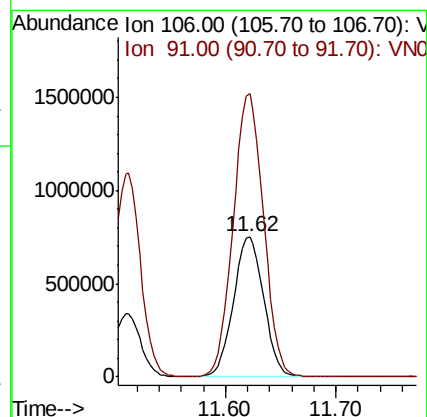
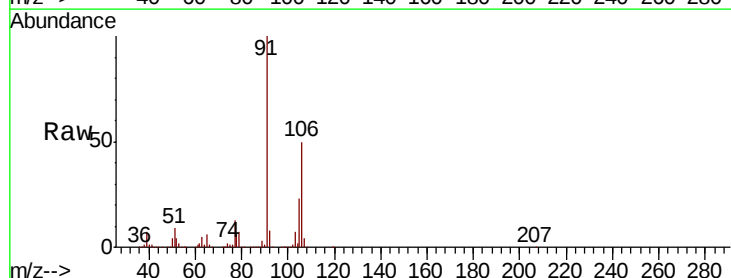
Acq: 17 Aug 2018 11:20

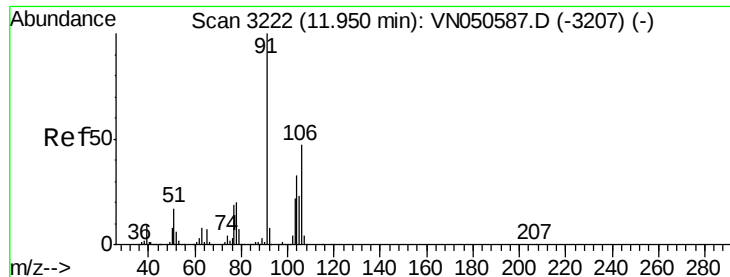
Tgt Ion:106 Resp: 1426925

Ion Ratio Lower Upper

106 100

91 202.9 161.5 242.3

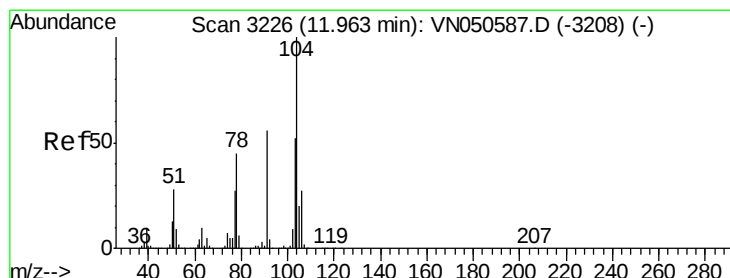
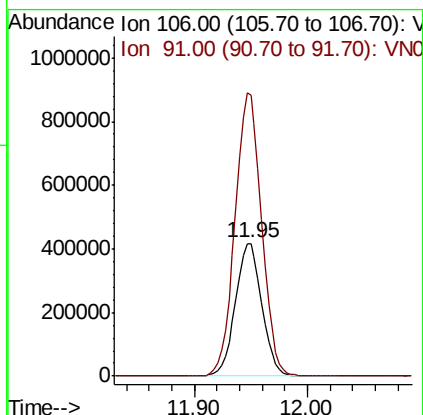
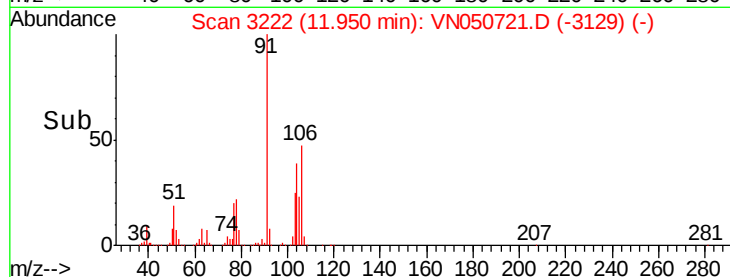
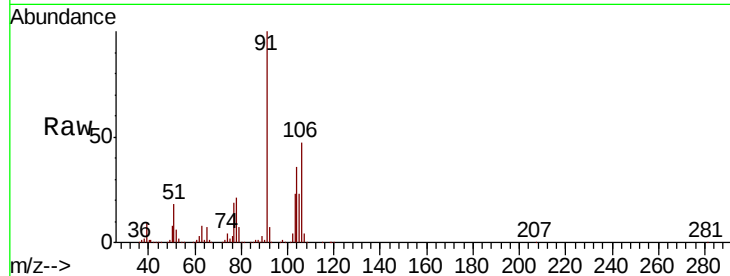




#69
o-Xylene
Concen: 53.00 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

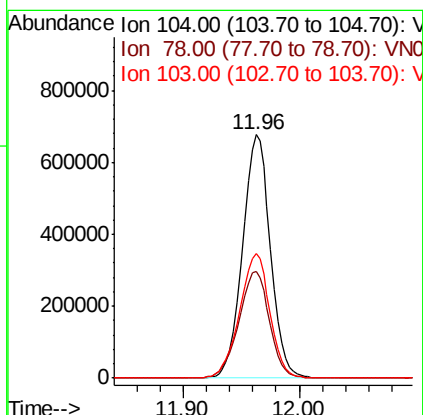
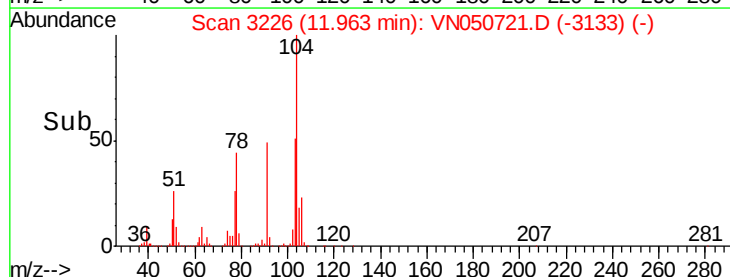
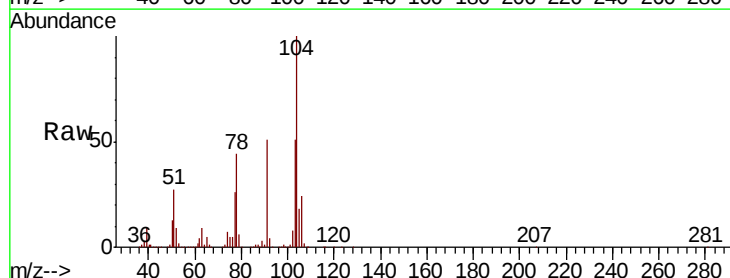
Instrument :
MSVOA_N
ClientSampleId :

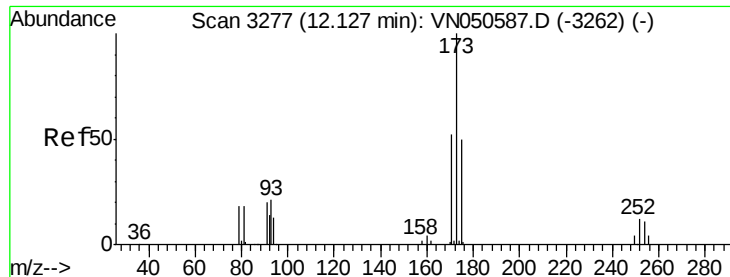
Tot Ion:106 Resp: 677668
Ion Ratio Lower Upper
106 100
91 214.6 106.8 320.4



#70
Styrene
Concen: 49.62 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion:104 Resp: 1128208
Ion Ratio Lower Upper
104 100
78 48.1 39.1 58.7
103 55.5 44.9 67.3





#71

Bromoform

Concen: 50.98 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

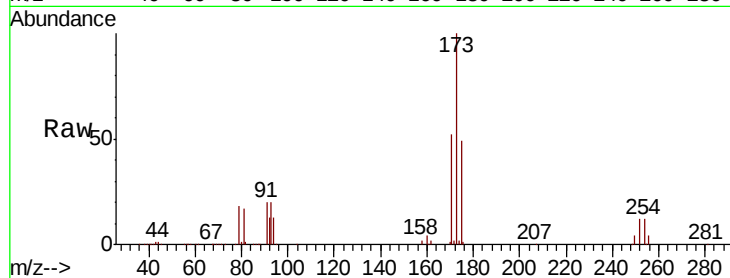
Tot Ion:173 Resp: 275168

Ion Ratio Lower Upper

173 100

175 48.7 24.4 73.2

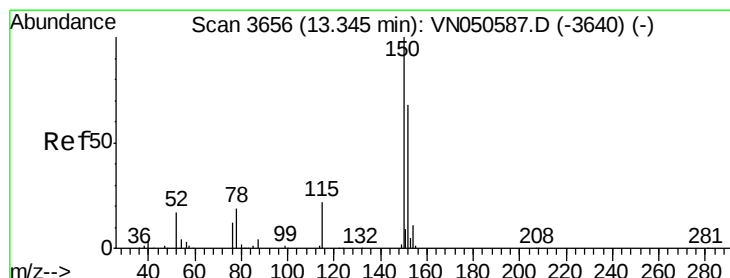
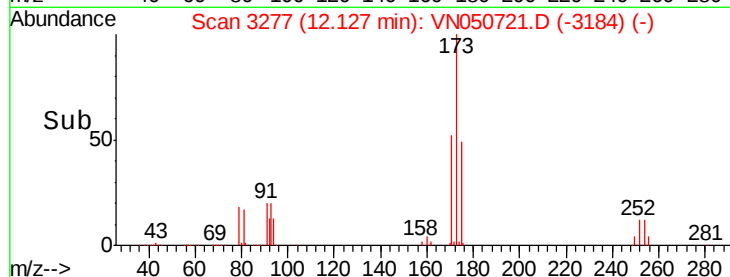
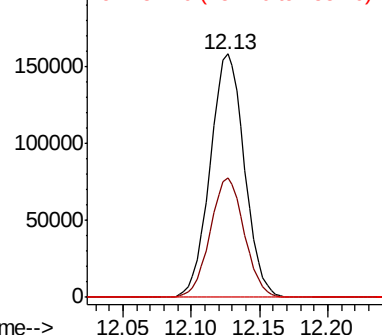
254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

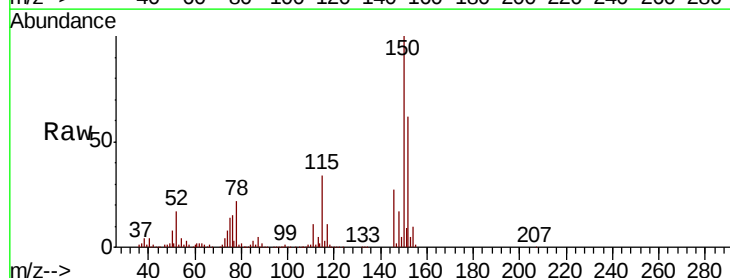
Tgt Ion:152 Resp: 462292

Ion Ratio Lower Upper

152 100

115 55.8 28.1 84.2

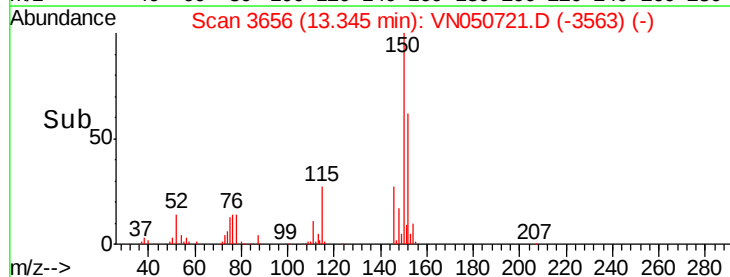
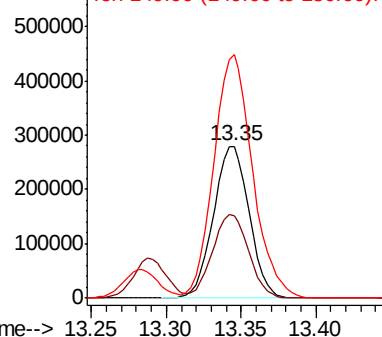
150 174.9 0.0 347.8

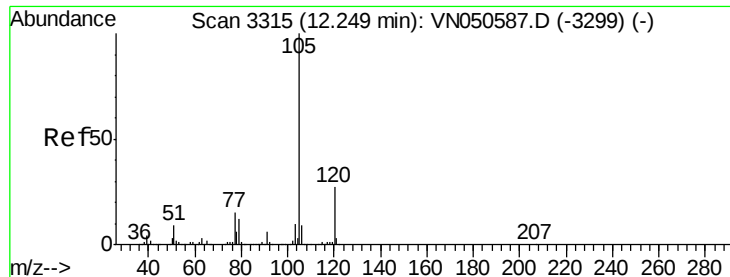


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.12 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

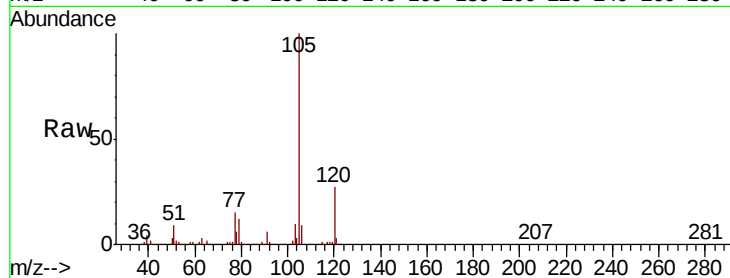
ClientSampleId :

Tot Ion:105 Resp: 1810311

Ion Ratio Lower Upper

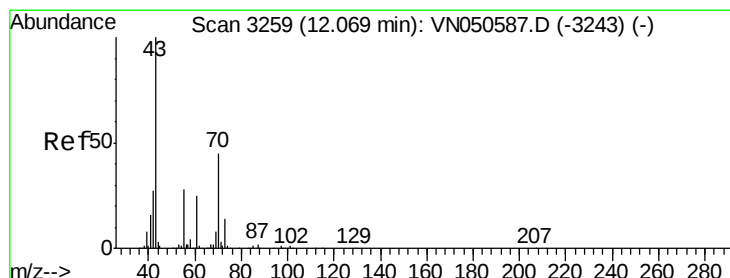
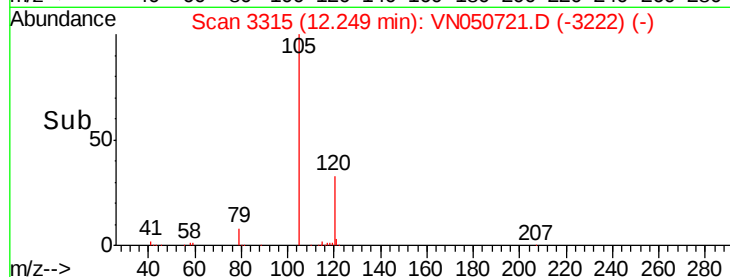
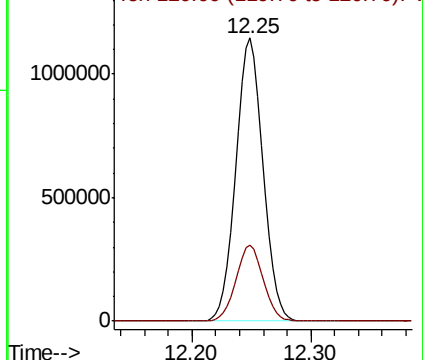
105 100

120 27.0 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.63 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Tgt Ion: 43 Resp: 475744

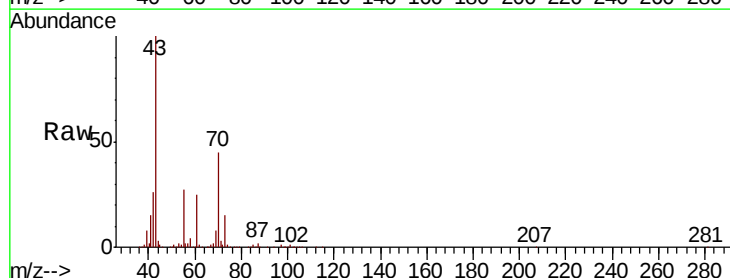
Ion Ratio Lower Upper

43 100

70 45.2 35.9 53.9

55 27.2 22.2 33.4

61 25.3 20.0 30.0

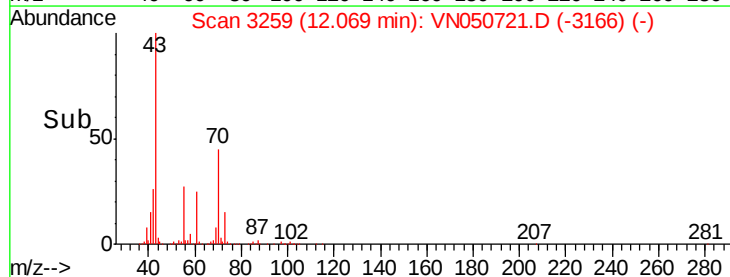
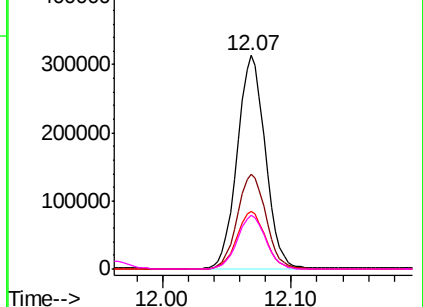


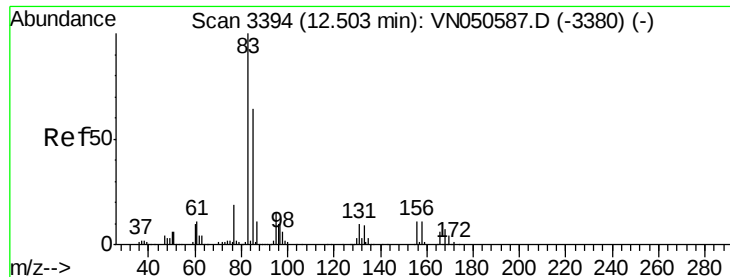
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.50 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

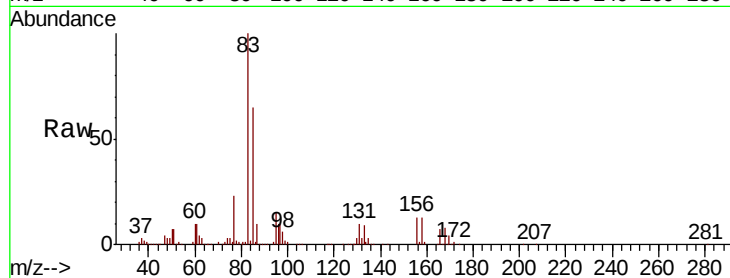
Tot Ion: 83 Resp: 439256

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.9
85	64.9	32.1	96.5

83 100

131 10.2 5.3 15.9

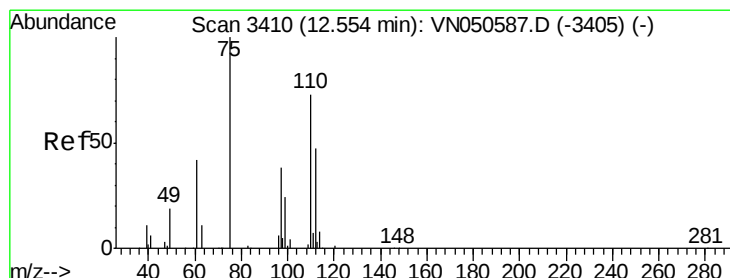
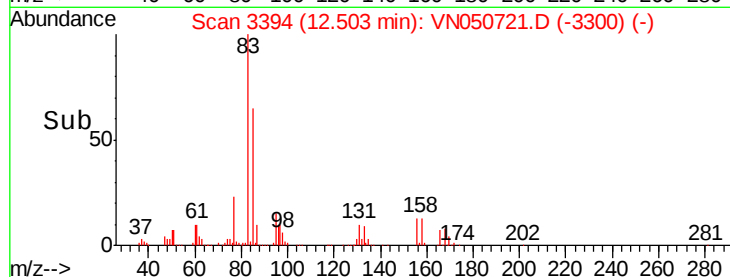
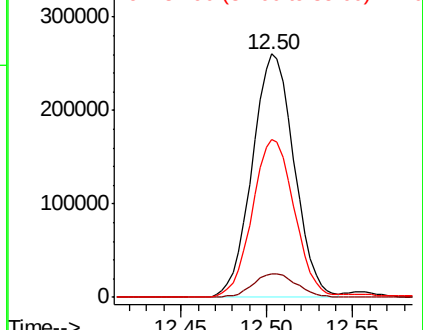
85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 71.43 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050721.D

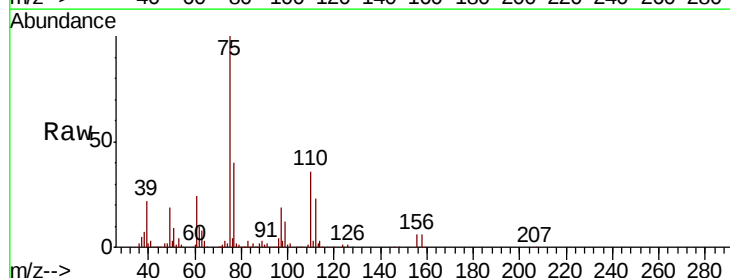
Acq: 17 Aug 2018 11:20

Tgt Ion: 75 Resp: 530233

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

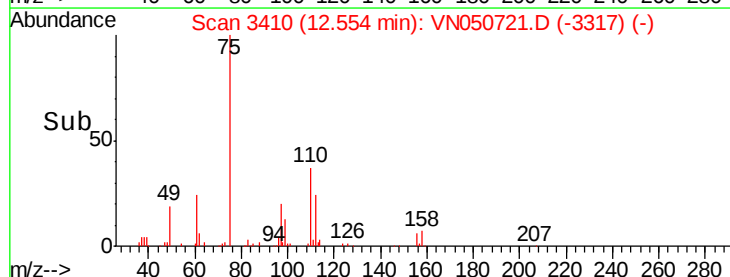
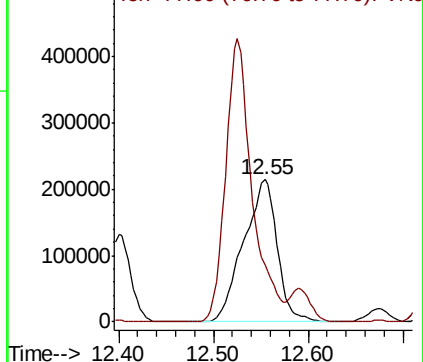
75 100

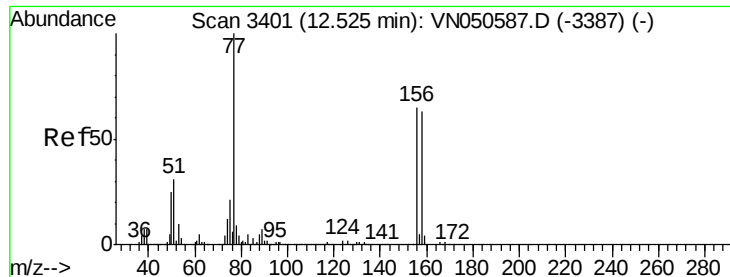
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 47.45 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

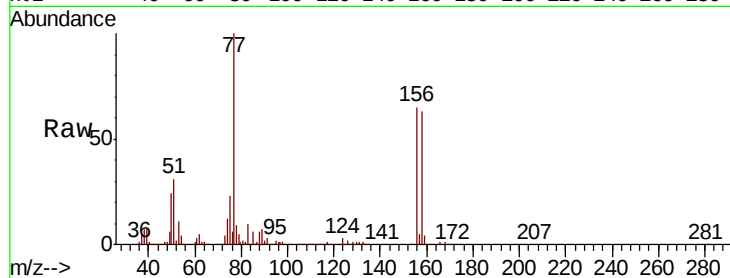
Tot Ion:156 Resp: 465347

Ion Ratio Lower Upper

156 100

77 178.4 89.0 267.1

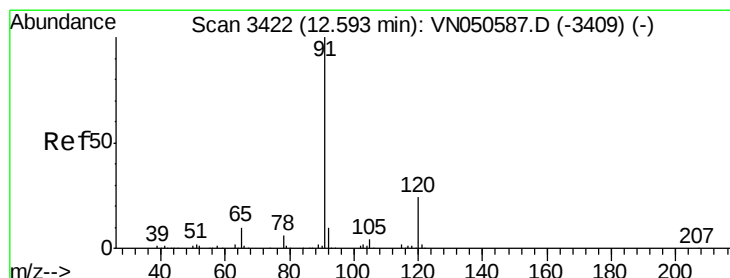
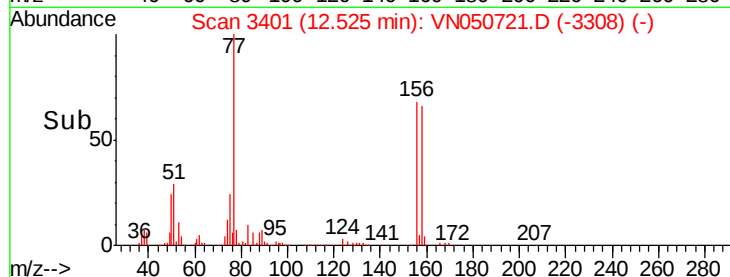
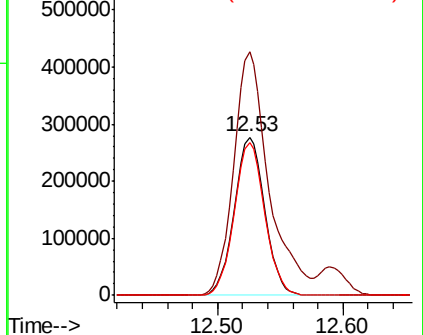
158 96.8 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.06 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050721.D

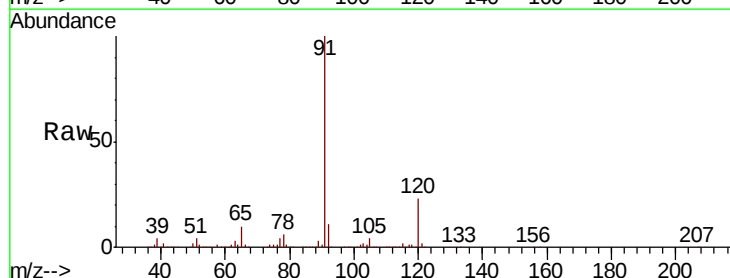
Acq: 17 Aug 2018 11:20

Tgt Ion: 91 Resp: 2096884

Ion Ratio Lower Upper

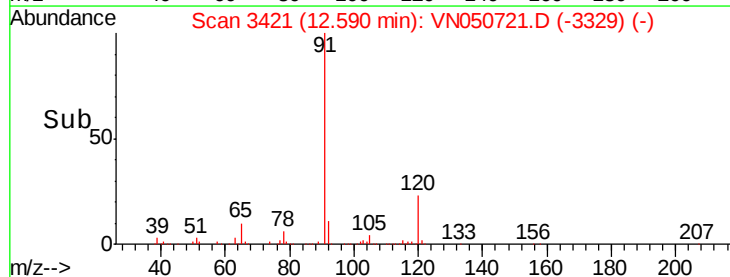
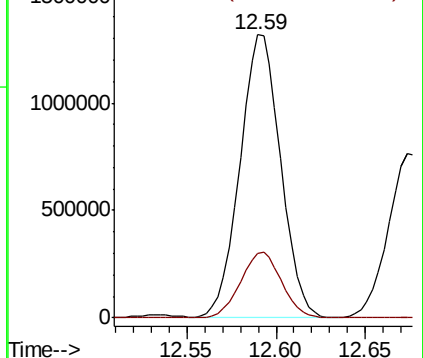
91 100

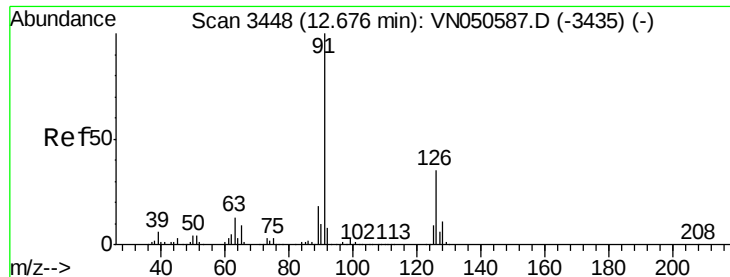
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.47 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

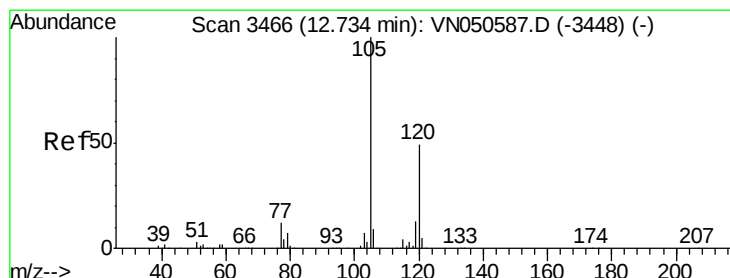
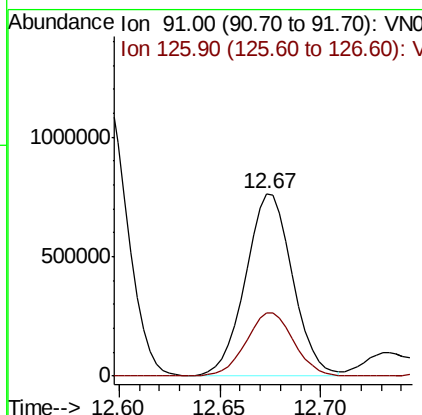
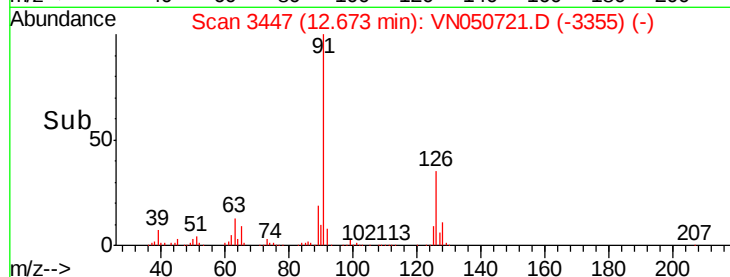
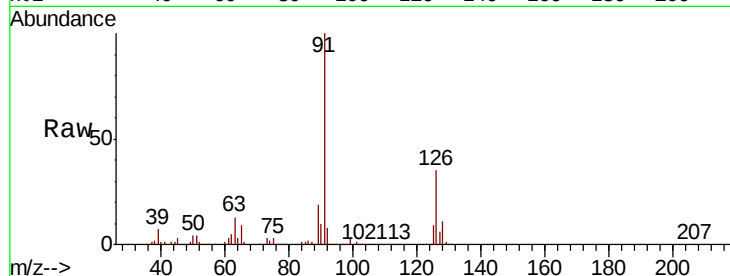
ClientSampled :

Tot Ion: 91 Resp: 1242255

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 52.30 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050721.D

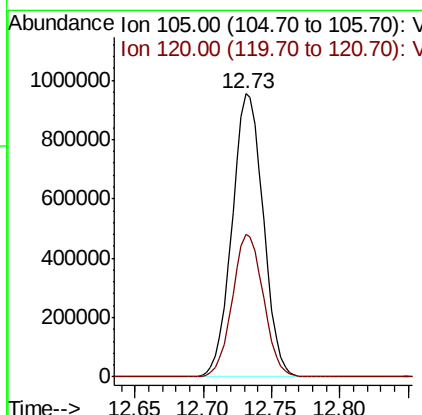
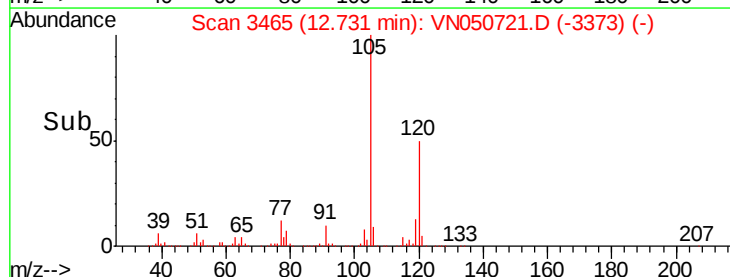
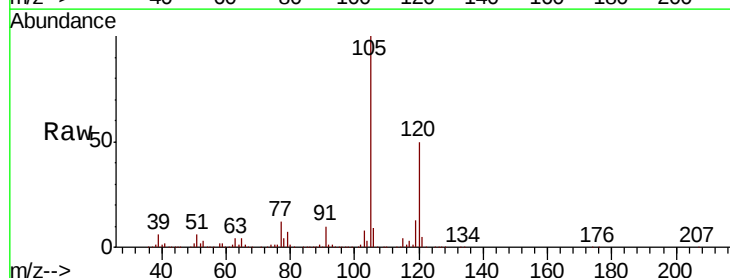
Acq: 17 Aug 2018 11:20

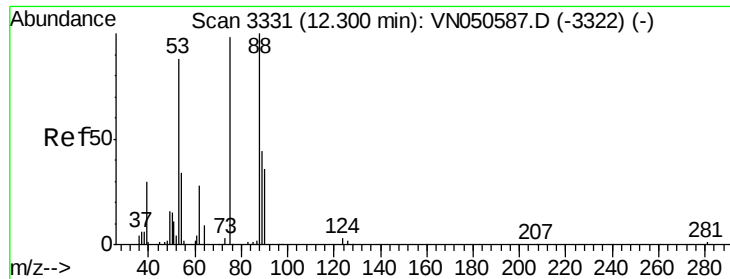
Tgt Ion:105 Resp: 1512503

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1

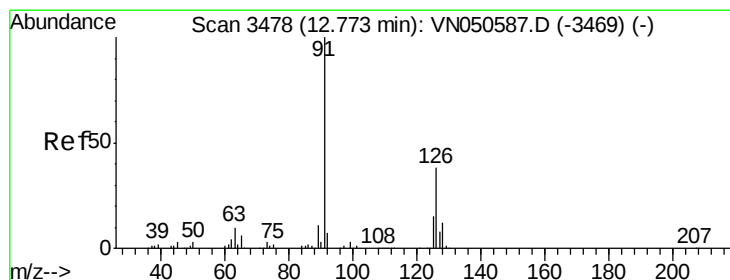
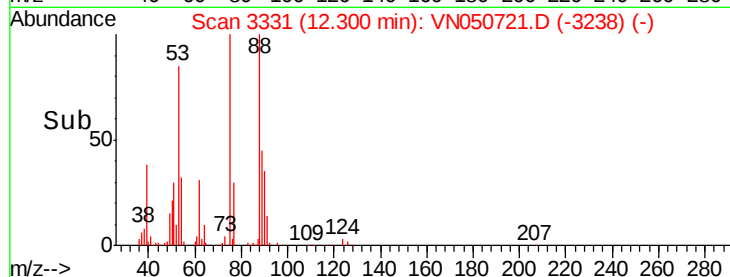
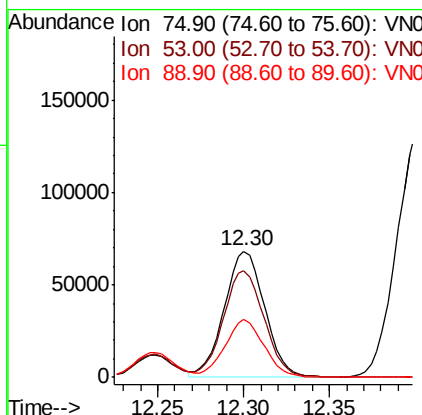
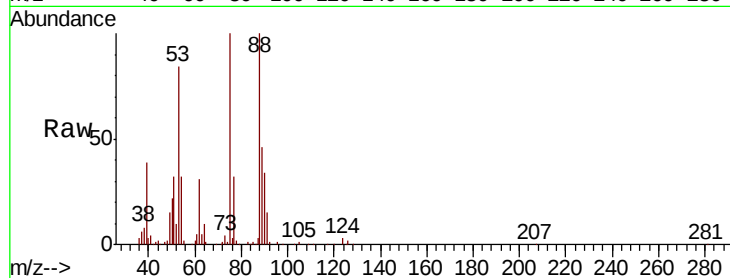




#81
trans-1,4-Dichloro-2-butene
Concen: 53.31 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

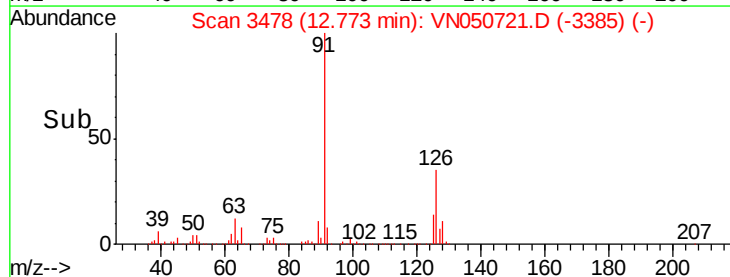
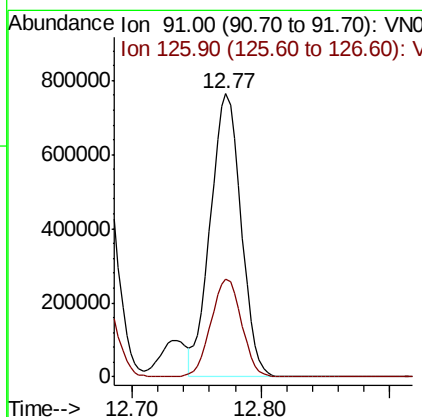
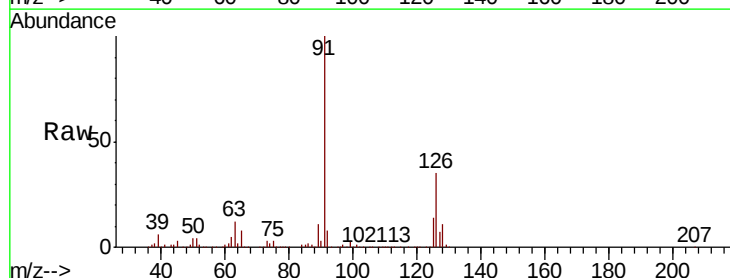
Instrument :
MSVOA_N
ClientSampleId :

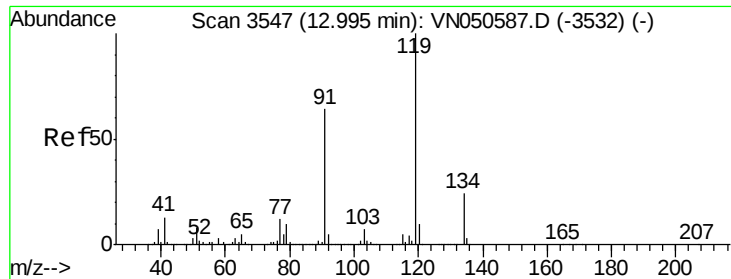
Tot Ion: 75 Resp: 110862
Ion Ratio Lower Upper
75 100
53 86.9 72.2 108.2
89 45.1 36.3 54.5



#82
4-Chlorotoluene
Concen: 50.74 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion: 91 Resp: 1259094
Ion Ratio Lower Upper
91 100
126 34.5 17.3 52.0

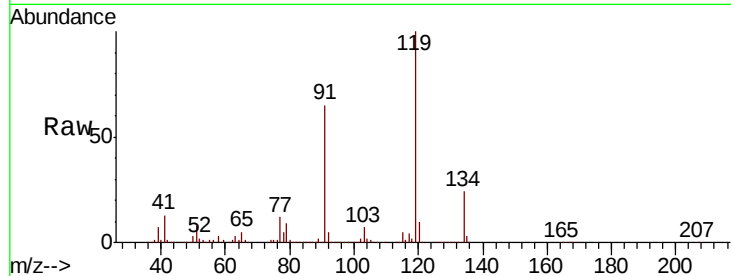




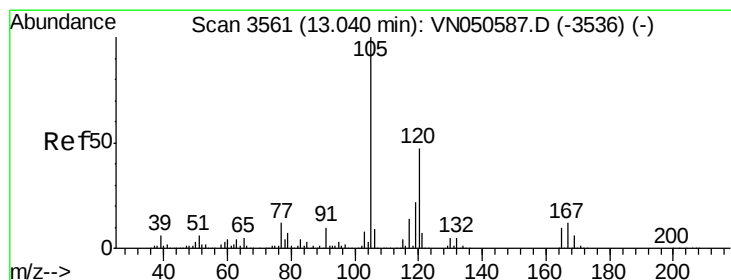
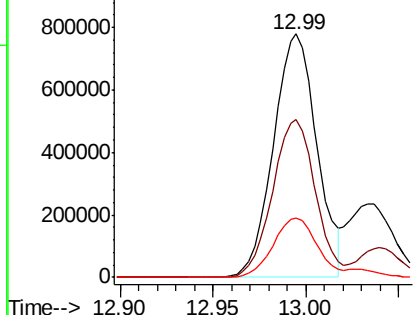
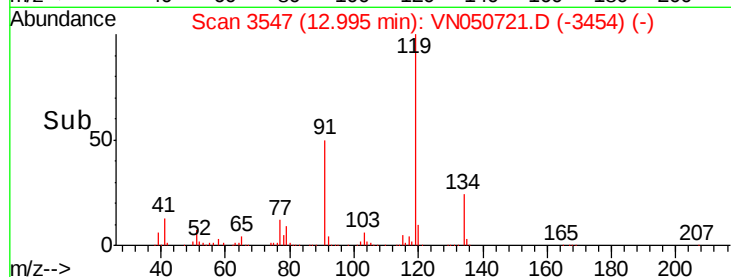
#83
 tert-Butylbenzene
 Concen: 50.65 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 1271547
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.2 96.6
 134 25.0 13.4 40.2

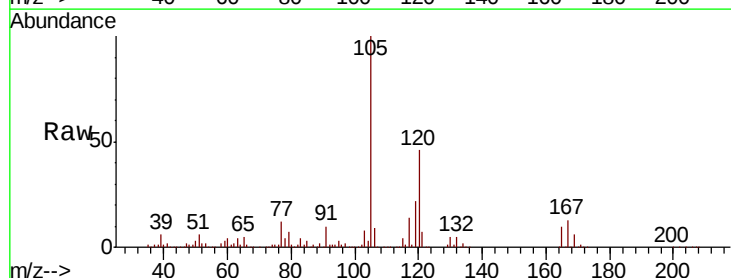


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

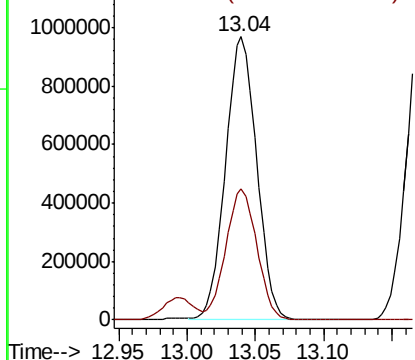
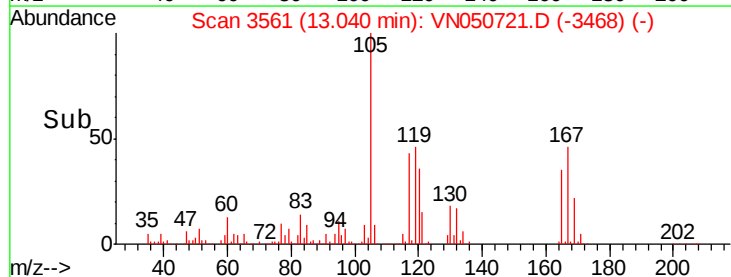


#84
 1,2,4-Trimethylbenzene
 Concen: 52.97 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion:105 Resp: 1537550
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.2 69.5



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





#85

sec-Butylbenzene

Concen: 52.68 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

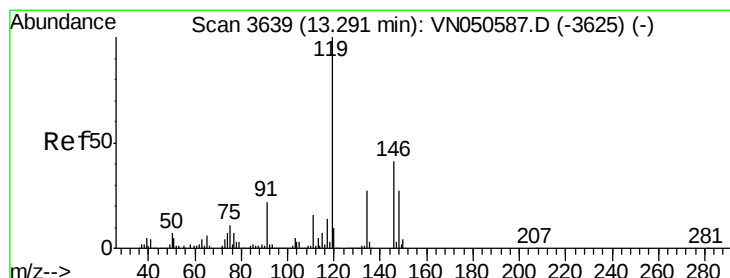
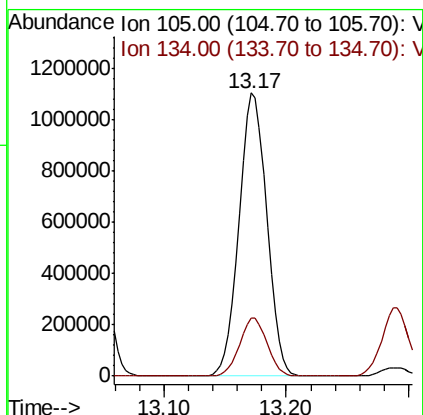
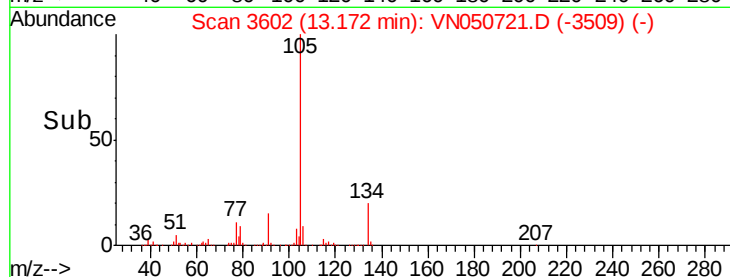
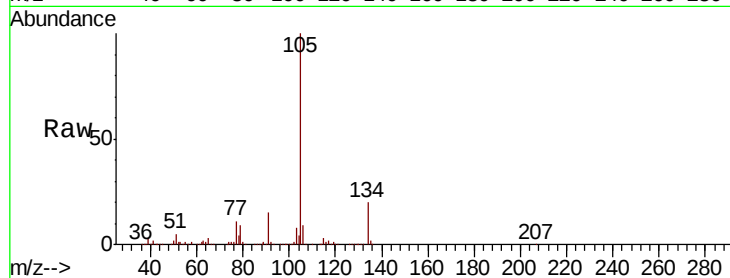
ClientSampled :

Tot Ion:105 Resp: 1728245

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.3



#86

p-Isopropyltoluene

Concen: 54.84 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

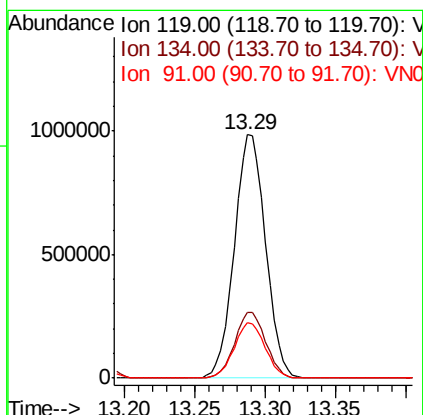
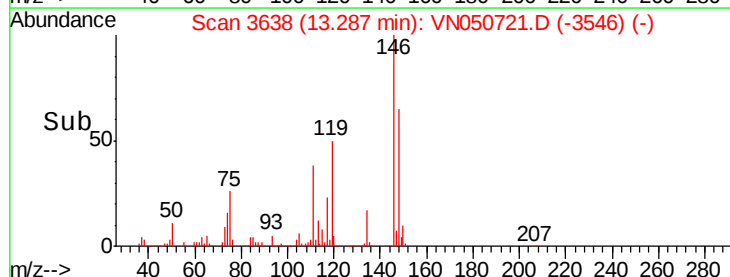
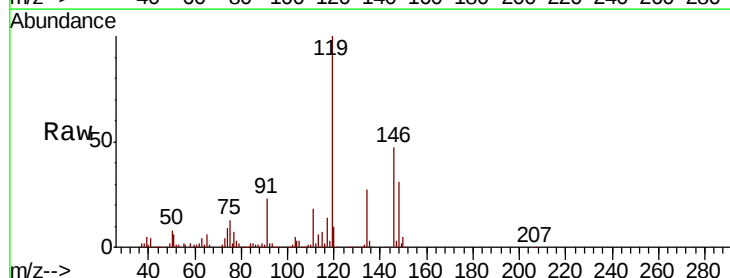
Tgt Ion:119 Resp: 1524276

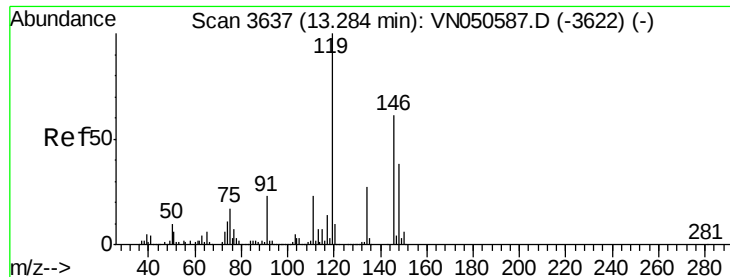
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.4

91 22.4 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 49.42 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampled :

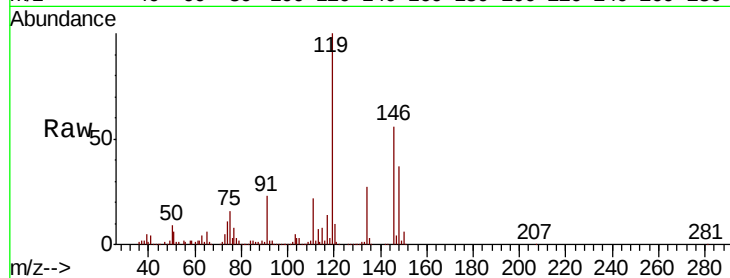
Tot Ion:146 Resp: 825070

Ion Ratio Lower Upper

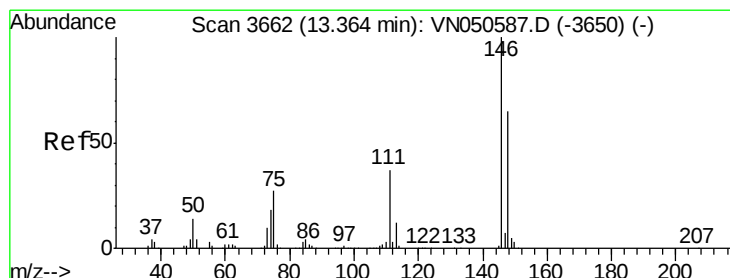
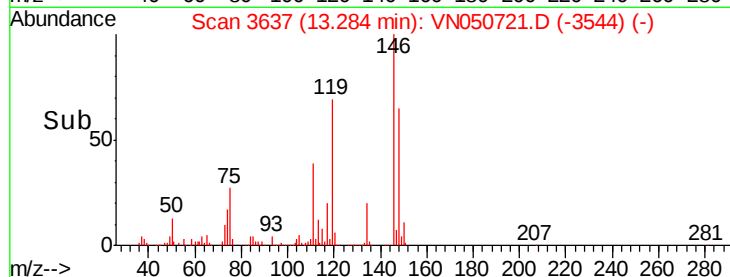
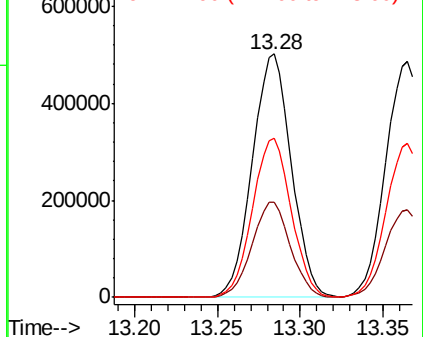
146 100

111 38.5 19.2 57.6

148 64.8 31.9 95.7



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



#88

1,4-Dichlorobenzene

Concen: 48.57 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

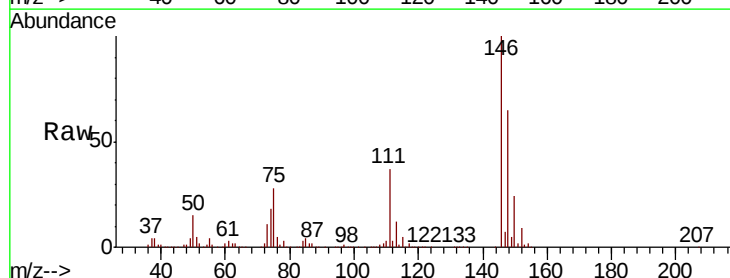
Tgt Ion:146 Resp: 804732

Ion Ratio Lower Upper

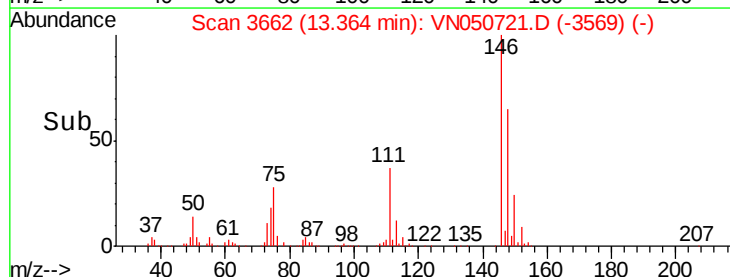
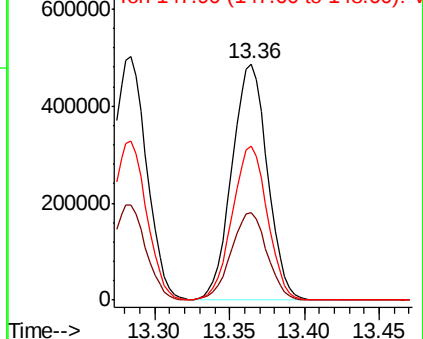
146 100

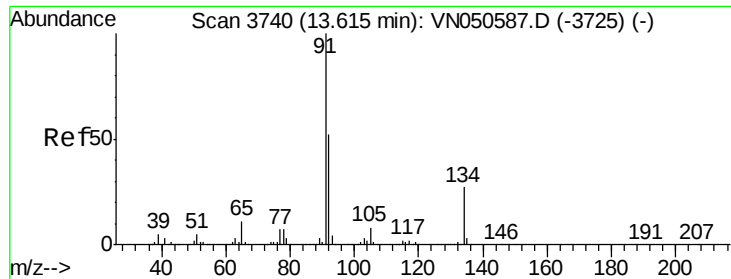
111 37.3 18.8 56.4

148 64.6 32.3 96.8



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





#89

n-Butylbenzene

Concen: 55.15 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampled :

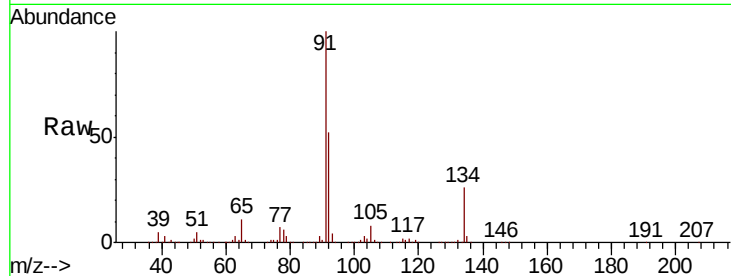
Tot Ion: 91 Resp: 1237898

Ion Ratio Lower Upper

91 100

92 51.3 26.3 78.8

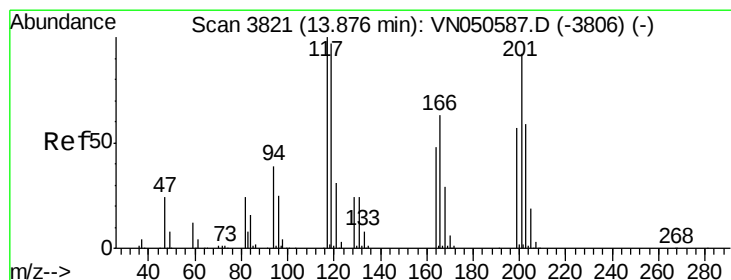
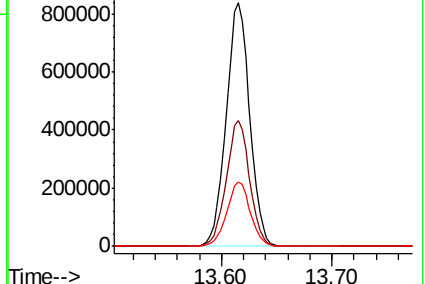
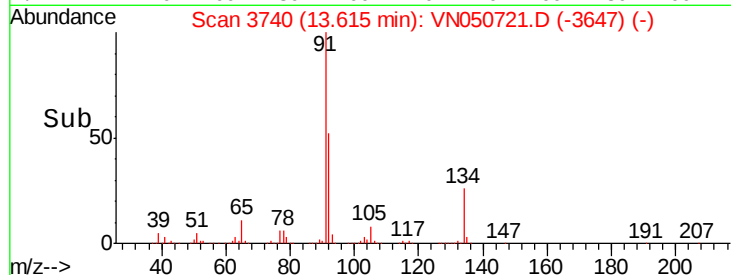
134 26.4 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050721.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050721.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050721.D (-3647) (-)



#90

Hexachloroethane

Concen: 46.25 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050721.D

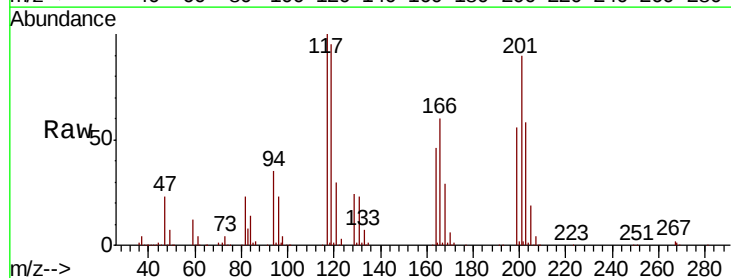
Acq: 17 Aug 2018 11:20

Tgt Ion: 117 Resp: 258523

Ion Ratio Lower Upper

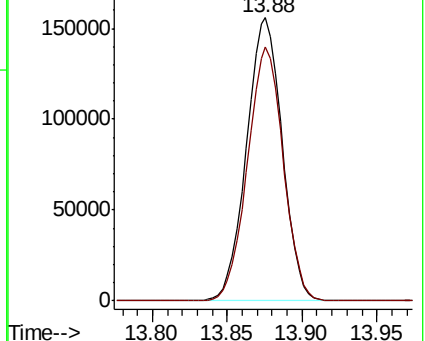
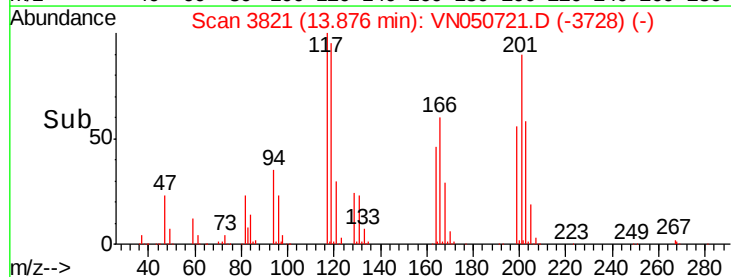
117 100

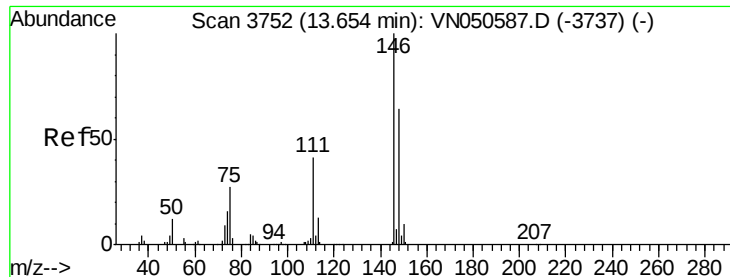
201 89.8 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050721.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050721.D (-3728) (-)





#91

1,2-Dichlorobenzene

Concen: 48.86 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

Instrument :

MSVOA_N

ClientSampleId :

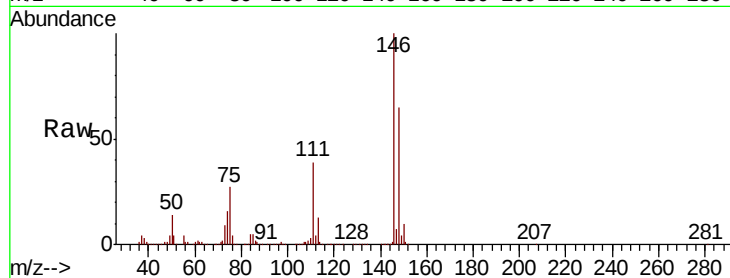
Tot Ion:146 Resp: 795820

Ion Ratio Lower Upper

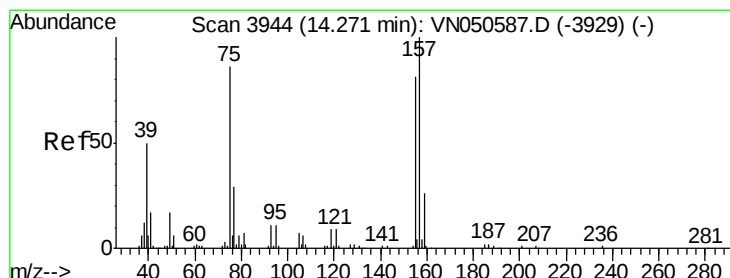
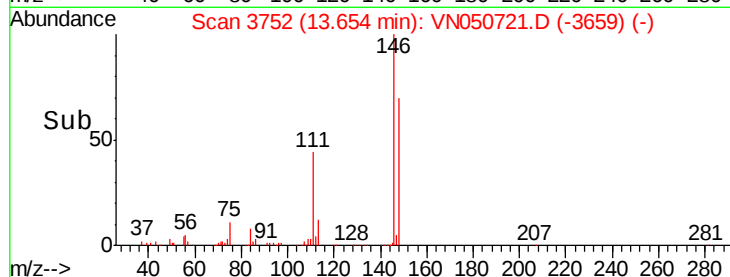
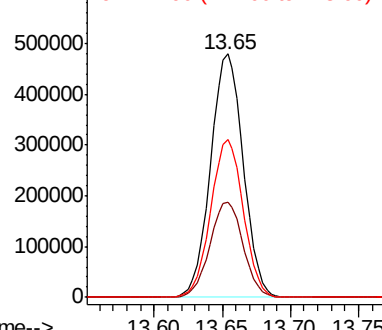
146 100

111 40.0 19.8 59.4

148 64.8 32.3 96.8



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.90 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050721.D

Acq: 17 Aug 2018 11:20

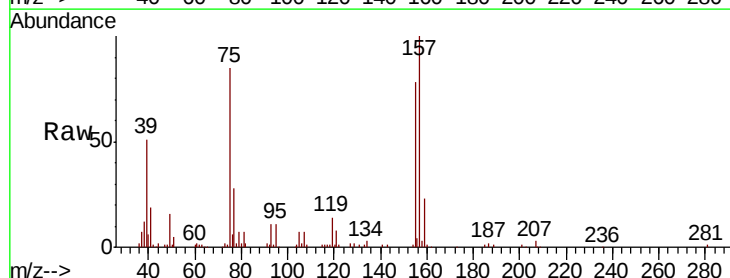
Tgt Ion: 75 Resp: 64308

Ion Ratio Lower Upper

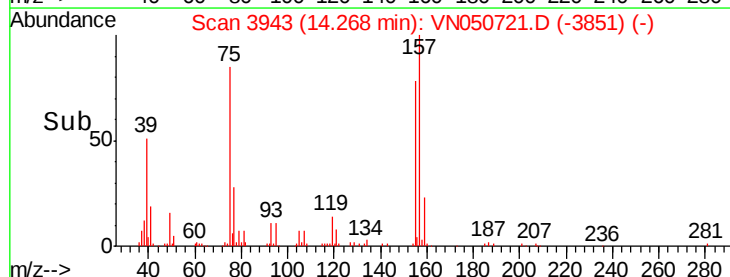
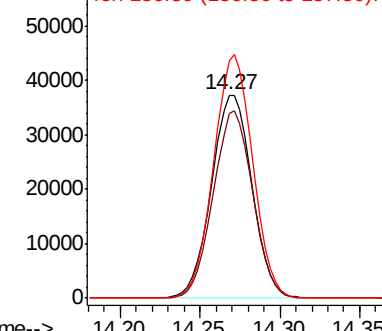
75 100

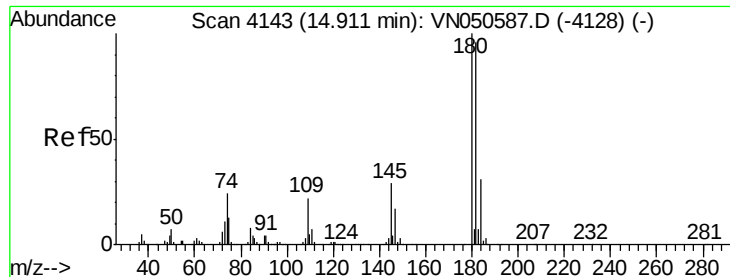
155 90.4 46.6 139.8

157 115.9 58.1 174.2



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

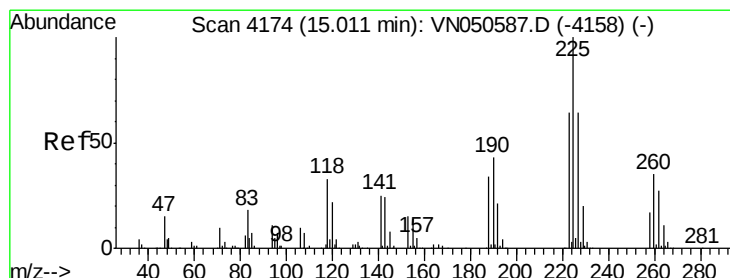
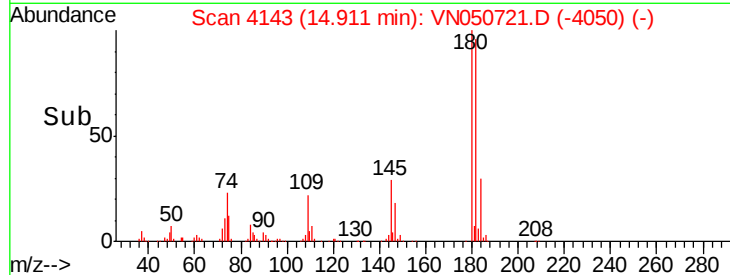
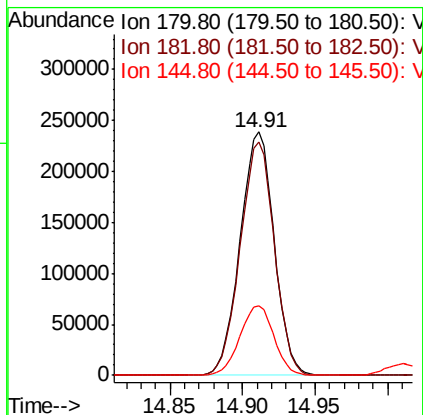
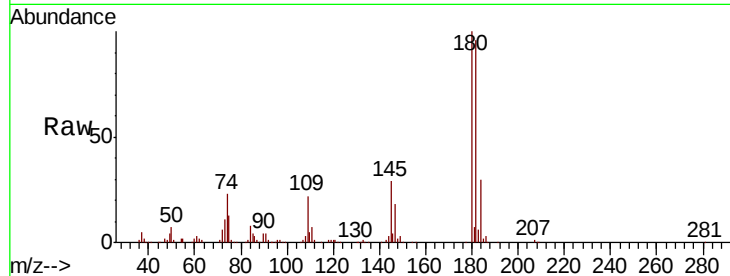




#93
 1,2,4-Trichlorobenzene
 Concen: 46.82 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

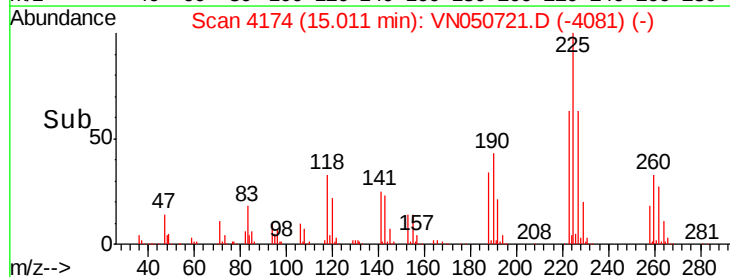
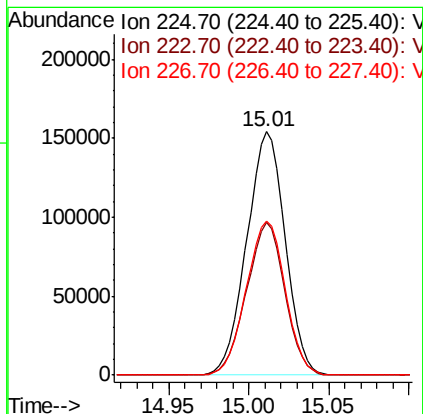
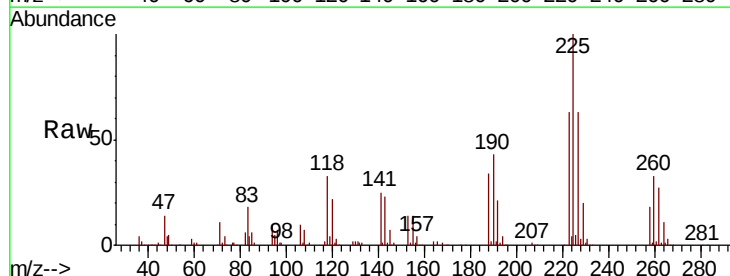
Instrument :
 MSVOA_N
 ClientSampled :

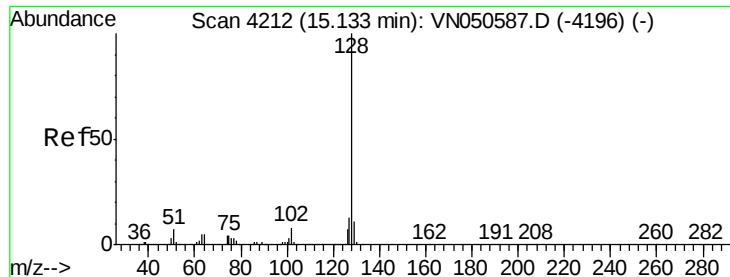
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	28.6	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 50.99 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050721.D
 Acq: 17 Aug 2018 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	32.1	96.3
227	64.1	32.0	96.2

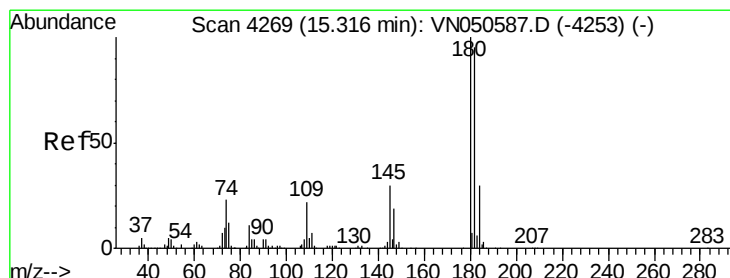
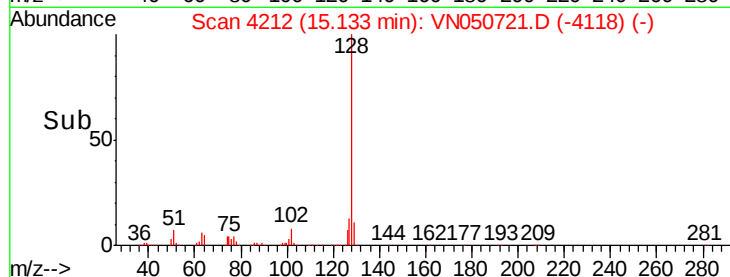
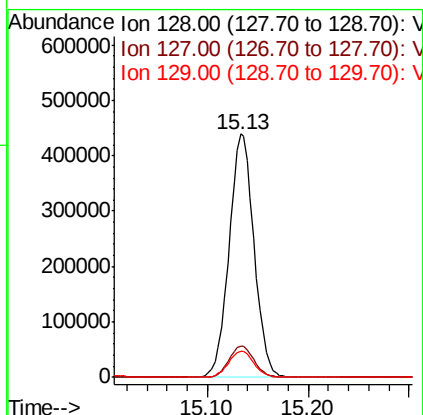
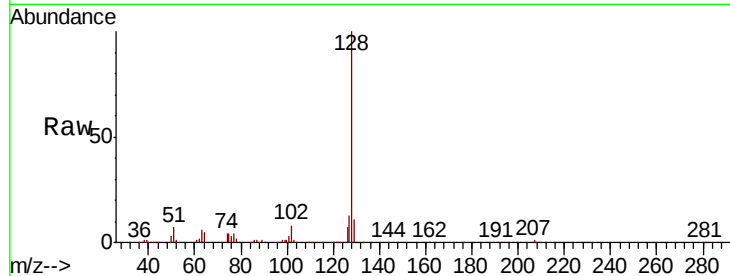




#95
Naphthalene
Concen: 43.09 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 755886
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.0 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 47.19 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050721.D
Acq: 17 Aug 2018 11:20

Tgt Ion:180 Resp: 367522
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.8
145 30.0 14.6 44.0

