

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050725.D
 Acq On : 17 Aug 2018 13:09
 Operator : MD\SY
 Sample : VN0817WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:12:27 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	7.67	168	635448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	924939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	827660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	399350	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	399836	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.59	113	370681	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	1382534	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.40	95	435375	47.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	126593	17.67	ug/l	100
3) Chloromethane	2.06	50	170350	19.21	ug/l	98
4) Vinyl Chloride	2.18	62	173202	18.20	ug/l	99
5) Bromomethane	2.56	94	101599	18.55	ug/l	93
6) Chloroethane	2.70	64	106768	19.21	ug/l	97
7) Trichlorofluoromethane	3.01	101	228701	18.31	ug/l	99
8) Diethyl Ether	3.41	74	80031	19.27	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	139388	18.46	ug/l	99
10) Methyl Iodide	3.95	142	88446	21.14	ug/l	98
11) Tert butyl alcohol	4.79	59	45674	104.43	ug/l	100
12) 1,1-Dichloroethene	3.73	96	127526	18.50	ug/l	98
13) Acrolein	3.61	56	10272	53.77	ug/l	93
14) Allyl chloride	4.33	41	201682	18.80	ug/l	99
15) Acrylonitrile	4.99	53	236559	98.48	ug/l	99
16) Acetone	3.82	43	221723	110.05	ug/l	98
17) Carbon Disulfide	4.05	76	384380	17.72	ug/l	99
18) Methyl Acetate	4.33	43	126896	22.00	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	345250	19.67	ug/l	97
20) Methylene Chloride	4.55	84	157625	19.94	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141069	18.87	ug/l	99
22) Diisopropyl ether	5.96	45	450404	20.48	ug/l	97
23) Vinyl Acetate	5.90	43	1420209	98.73	ug/l	100
24) 1,1-Dichloroethane	5.85	63	269657	18.95	ug/l	99
25) 2-Butanone	6.84	43	334066	101.72	ug/l	99
26) 2,2-Dichloropropane	6.83	77	204266	21.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	157857	18.96	ug/l	98
28) Bromochloromethane	7.20	49	119748	18.49	ug/l	99
29) Tetrahydrofuran	7.22	42	175602	102.41	ug/l	99
30) Chloroform	7.37	83	270870	18.79	ug/l	99
31) Cyclohexane	7.66	56	227546	18.52	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	227858	18.77	ug/l	99
36) 1,1-Dichloropropene	7.80	75	200774	19.50	ug/l	99
37) Ethyl Acetate	6.93	43	121231	20.83	ug/l	98
38) Carbon Tetrachloride	7.78	117	204227	19.12	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050725.D
 Acq On : 17 Aug 2018 13:09
 Operator : MD\SY
 Sample : VN0817WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:12:27 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)
39) Methylcyclohexane	9.08	83	203253	19.07	ug/l	98
40) Benzene	8.04	78	620299	19.80	ug/l	100
41) Methacrylonitrile	7.18	41	68305	21.71	ug/l	97
42) 1,2-Dichloroethane	8.13	62	189330	19.72	ug/l	99
43) Isopropyl Acetate	8.17	43	212675	20.05	ug/l #	88
44) Trichloroethene	8.84	130	161466	19.24	ug/l	100
45) 1,2-Dichloropropane	9.12	63	165879	19.89	ug/l	96
46) Dibromomethane	9.21	93	96229	19.54	ug/l	97
47) Bromodichloromethane	9.40	83	204234	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	104367	19.56	ug/l	99
49) 1,4-Dioxane	9.20	88	28616	407.01	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	746999	104.14	ug/l	99
52) Toluene	10.16	92	375774	20.09	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191850	19.57	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	228831	20.35	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	137442	19.67	ug/l	99
56) Ethyl methacrylate	10.43	69	160602	19.24	ug/l	99
57) 1,3-Dichloropropane	10.71	76	229661	20.05	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	374339	94.45	ug/l	100
59) 2-Hexanone	10.75	43	479563	103.58	ug/l	99
60) Dibromochloromethane	10.90	129	154072	19.98	ug/l	98
61) 1,2-Dibromoethane	11.01	107	132114	19.86	ug/l	100
64) Tetrachloroethene	10.63	164	150256	19.55	ug/l	99
65) Chlorobenzene	11.44	112	402241	19.53	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	152753	19.78	ug/l	100
67) Ethyl Benzene	11.51	91	658253	19.79	ug/l	98
68) m/p-Xylenes	11.62	106	517604	40.69	ug/l	99
69) o-Xylene	11.95	106	242237	19.97	ug/l	100
70) Styrene	11.97	104	393708	18.85	ug/l	100
71) Bromoform	12.13	173	100700	19.67	ug/l #	100
73) Isopropylbenzene	12.25	105	648242	20.78	ug/l	99
74) N-amyl acetate	12.07	43	163932	20.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169021	22.03	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	193852	29.63	ug/l #	100
77) Bromobenzene	12.53	156	167511	19.77	ug/l	99
78) n-propylbenzene	12.59	91	729252	20.96	ug/l	99
79) 2-Chlorotoluene	12.68	91	448806	20.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	530373	21.23	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38922	21.67	ug/l	98
82) 4-Chlorotoluene	12.77	91	443394	20.68	ug/l	100
83) tert-Butylbenzene	12.99	119	446676	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	534632	21.32	ug/l	99
85) sec-Butylbenzene	13.17	105	594788	20.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	504449	21.01	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	286486	19.87	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273779	19.13	ug/l	99
89) n-Butylbenzene	13.62	91	382165	19.71	ug/l	98
90) Hexachloroethane	13.88	117	94602	19.59	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	279690	19.88	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22493	20.20	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
Data File : VN050725.D
Acq On : 17 Aug 2018 13:09
Operator : MD\SY
Sample : VN0817WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 17 23:12:27 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

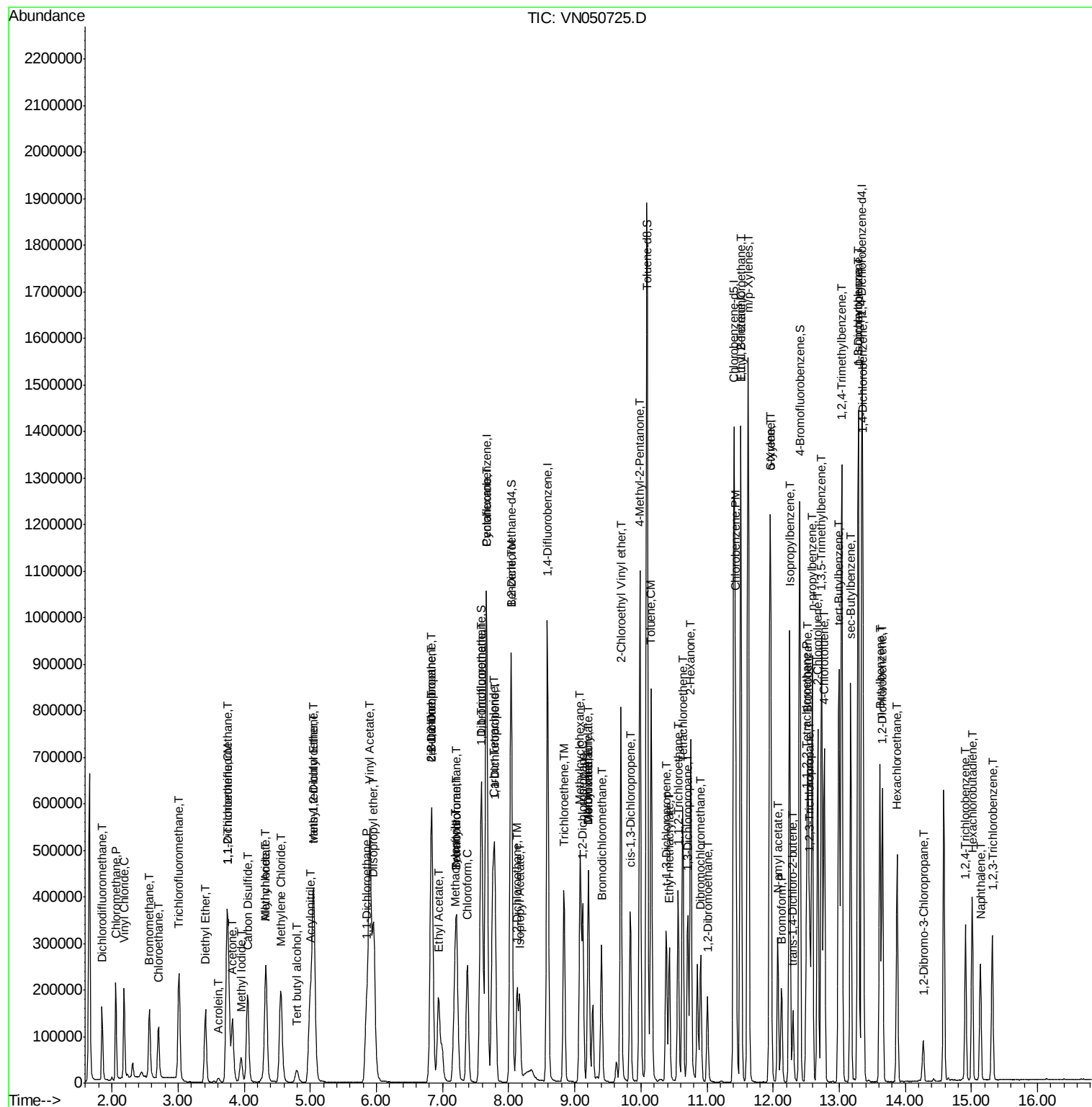
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	115970	17.88	ug/l	99
94) Hexachlorobutadiene	15.01	225	85771	19.88	ug/l	98
95) Naphthalene	15.14	128	221699	17.18	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	117323	18.66	ug/l	97

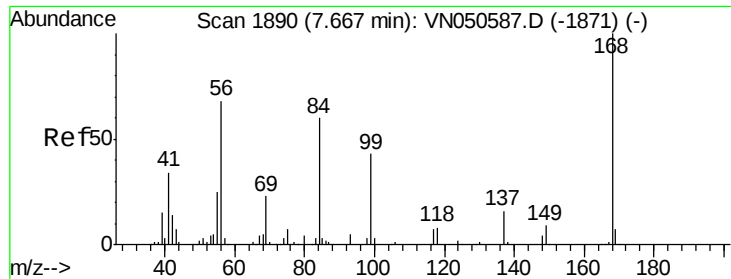
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
Data File : VN050725.D
Acq On : 17 Aug 2018 13:09
Operator : MD\SY
Sample : VN0817WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 17 23:12:27 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

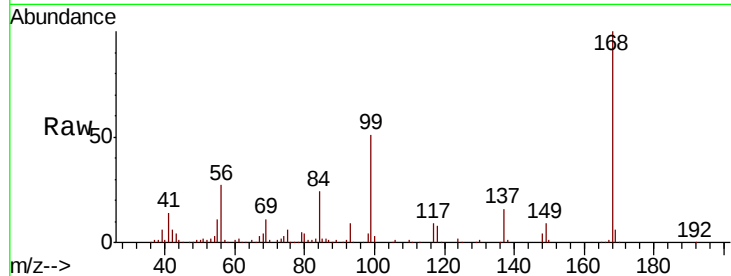
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 635448

Ion Ratio Lower Upper

168 100

99 50.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

250000

200000

150000

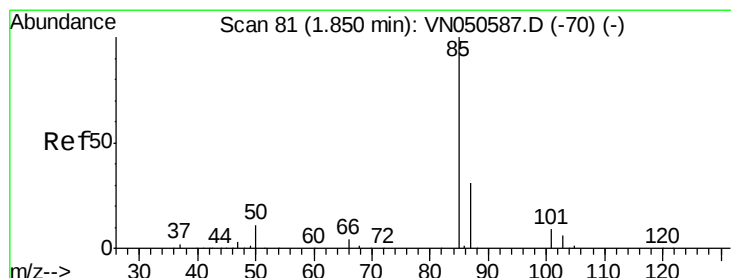
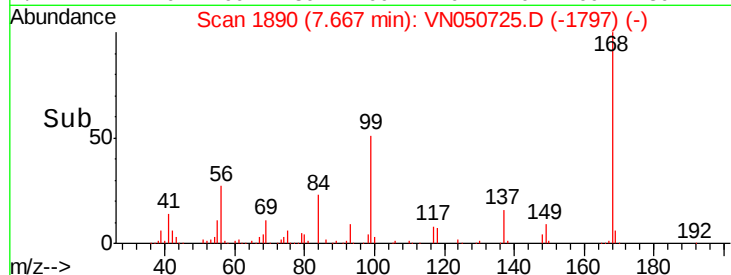
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 17.67 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050725.D

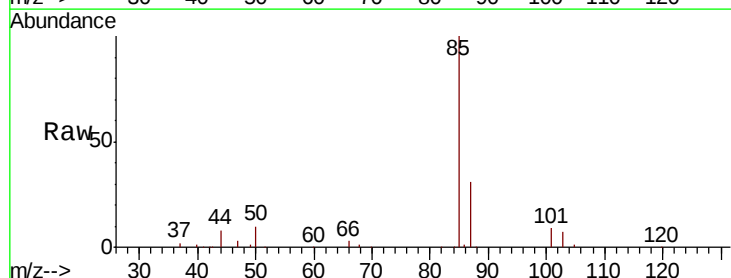
Acq: 17 Aug 2018 13:09

Tgt Ion: 85 Resp: 126593

Ion Ratio Lower Upper

85 100

87 31.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

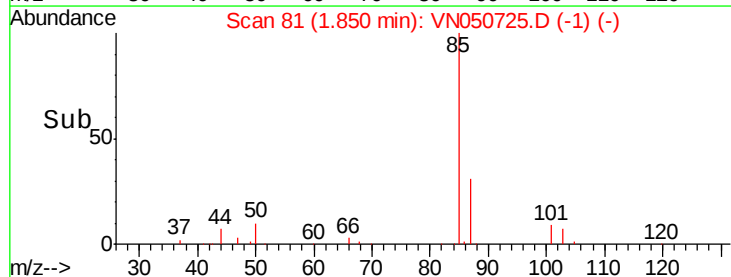
40000

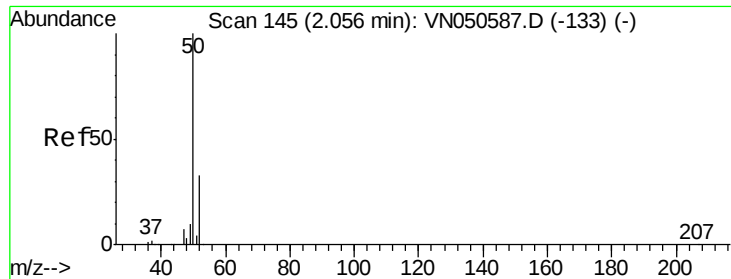
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

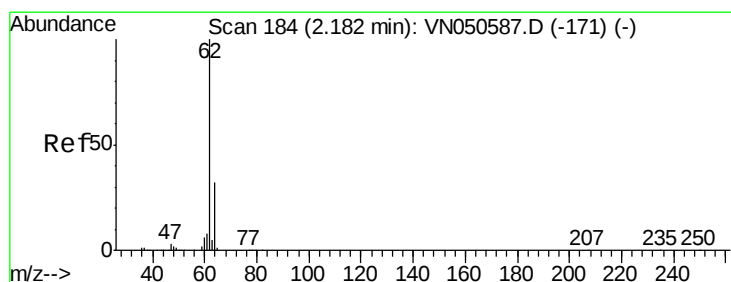
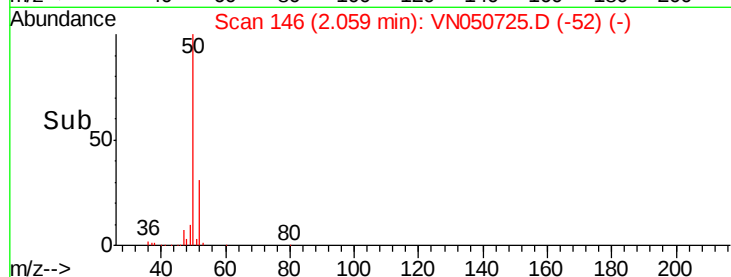
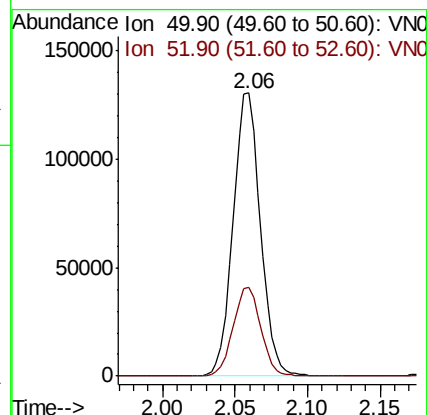
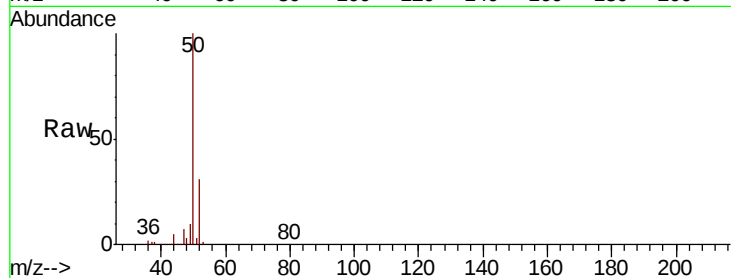
ClientSampled :

Tot Ion: 50 Resp: 170350

Ion Ratio Lower Upper

50 100

52 31.4 26.0 39.0



#4

Vinyl Chloride

Concen: 18.20 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050725.D

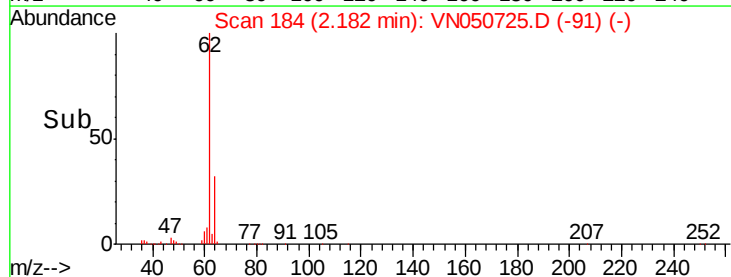
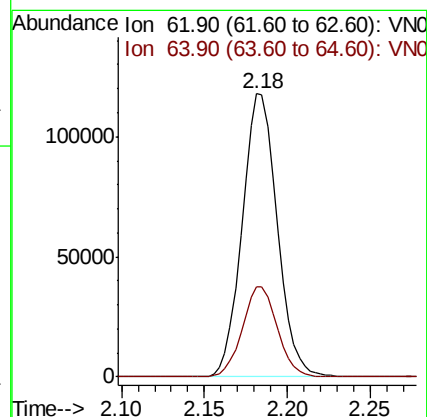
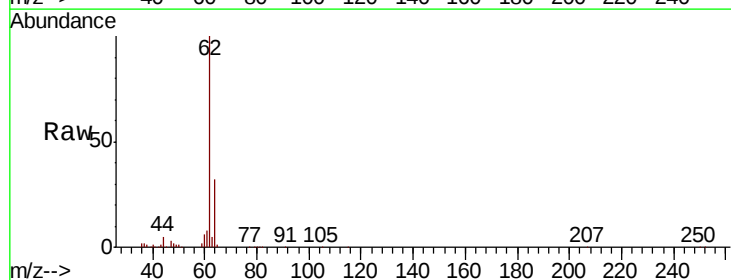
Acq: 17 Aug 2018 13:09

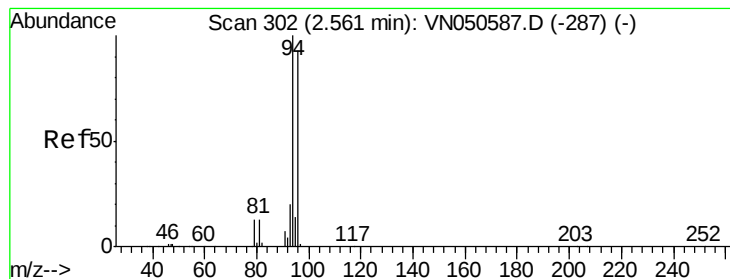
Tgt Ion: 62 Resp: 173202

Ion Ratio Lower Upper

62 100

64 32.0 25.2 37.8





#5

Bromomethane

Concen: 18.55 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

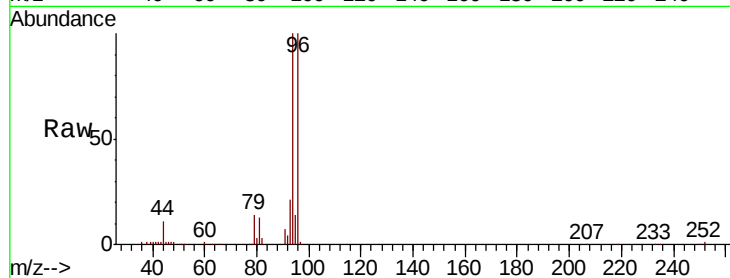
ClientSampled :

Tot Ion: 94 Resp: 101599

Ion Ratio Lower Upper

94 100

96 99.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

50000

40000

30000

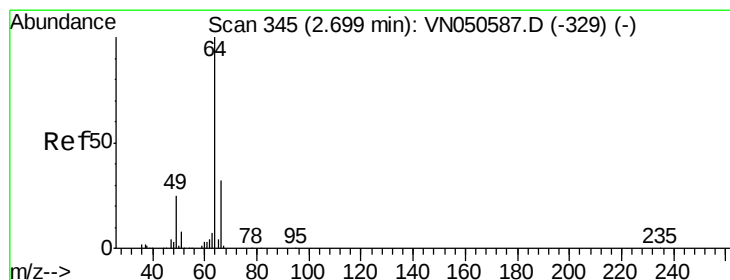
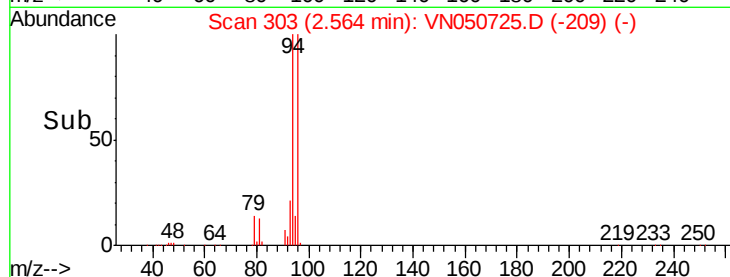
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.21 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050725.D

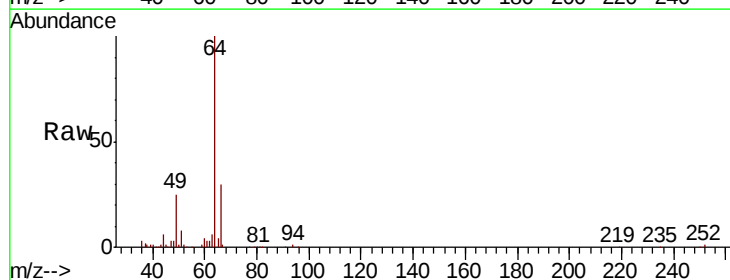
Acq: 17 Aug 2018 13:09

Tgt Ion: 64 Resp: 106768

Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

60000

50000

40000

30000

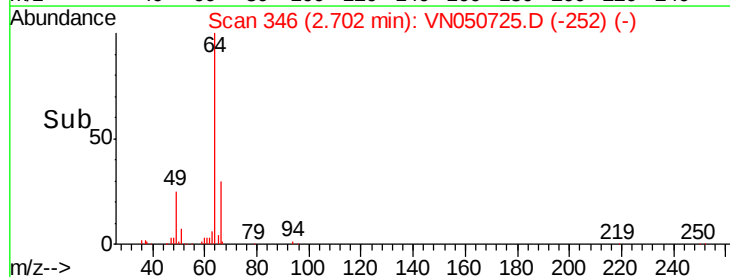
20000

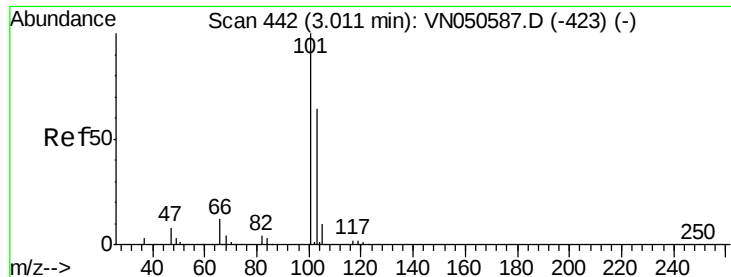
10000

0

Time-->

2.60 2.70 2.80



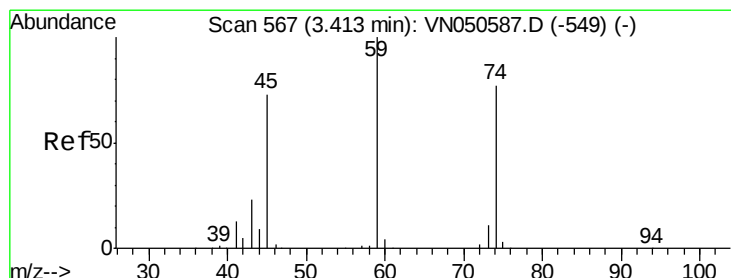
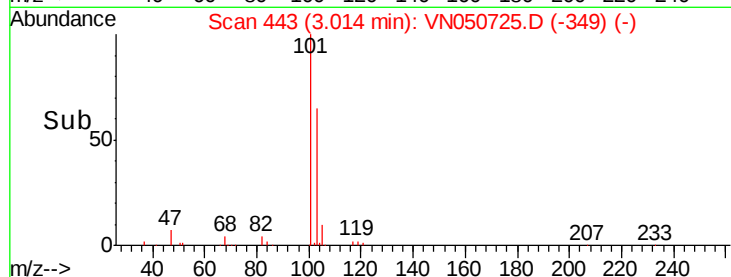
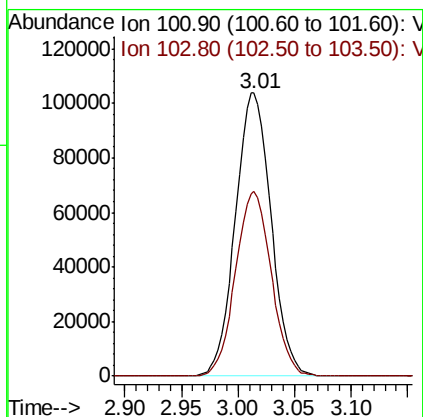
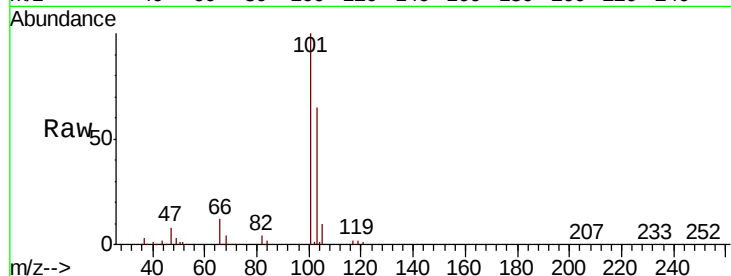


#7

Trichlorofluoromethane
 Concen: 18.31 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :

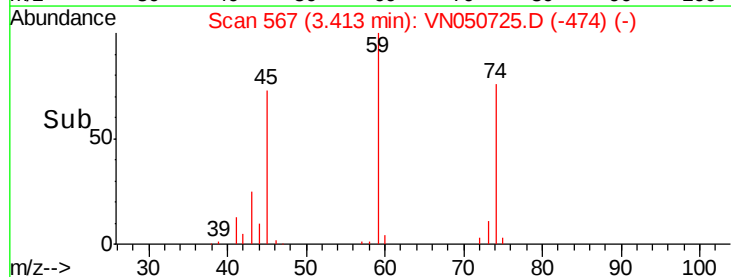
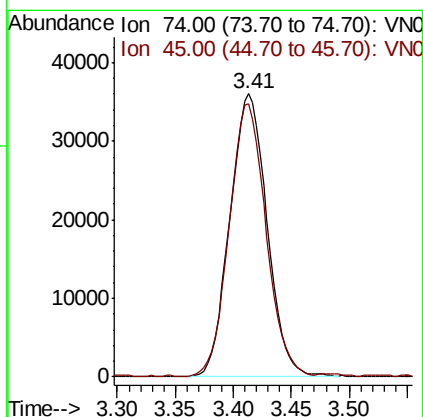
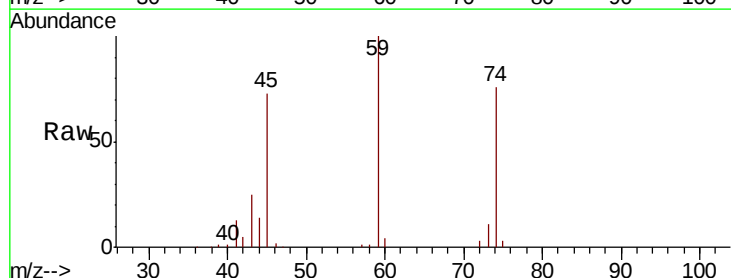
Tot Ion:101 Resp: 228701
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.0

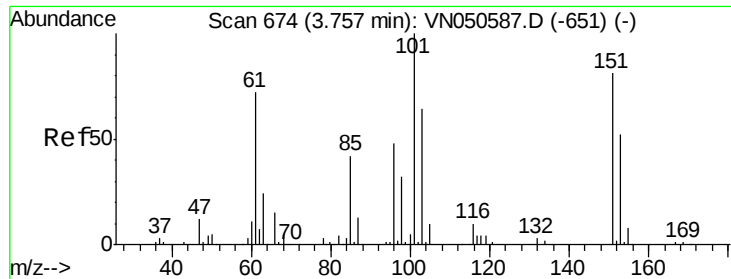


#8

Diethyl Ether
 Concen: 19.27 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 74 Resp: 80031
 Ion Ratio Lower Upper
 74 100
 45 96.0 48.0 144.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.46 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

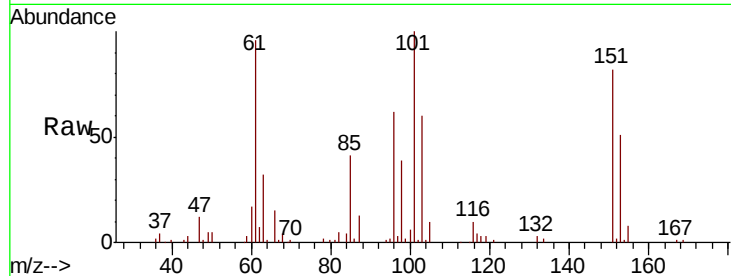
Tot Ion:101 Resp: 139388

Ion Ratio Lower Upper

101 100

85 42.7 33.4 50.0

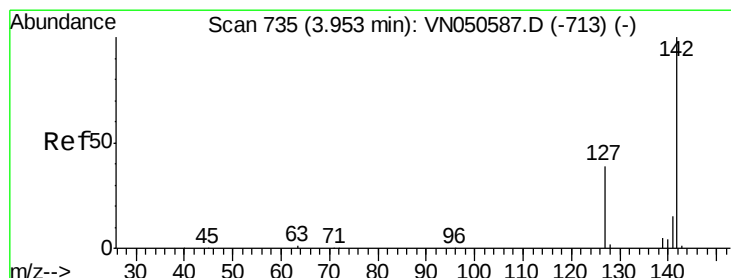
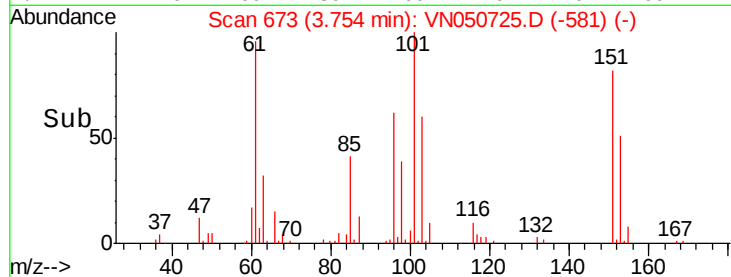
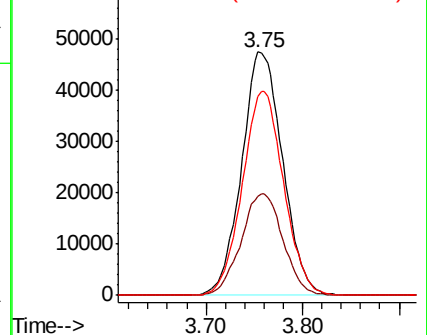
151 84.5 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.14 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

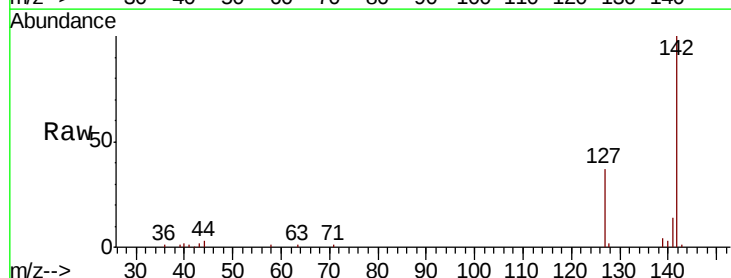
Tgt Ion:142 Resp: 88446

Ion Ratio Lower Upper

142 100

127 39.6 32.6 49.0

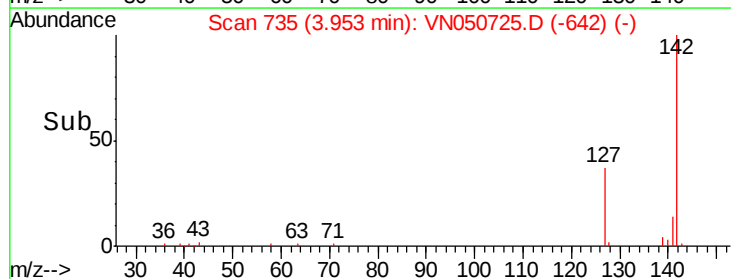
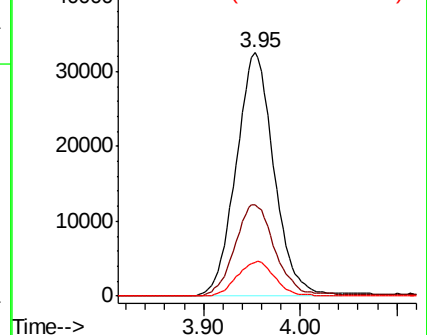
141 14.2 11.5 17.3

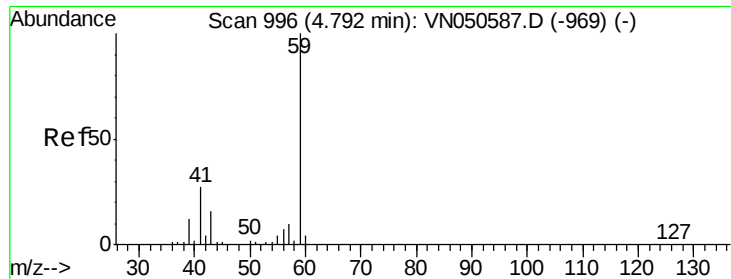


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

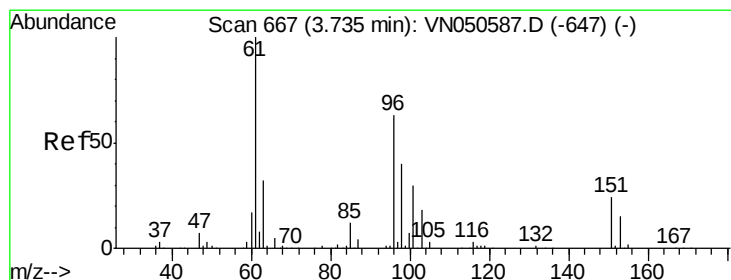
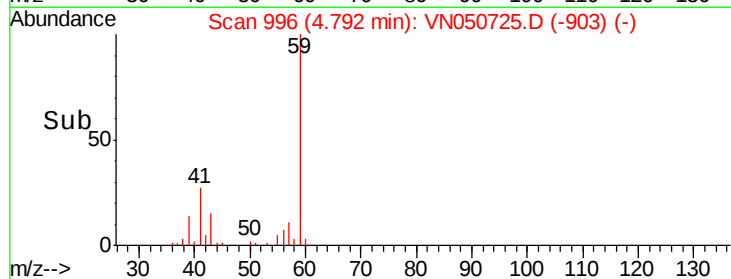
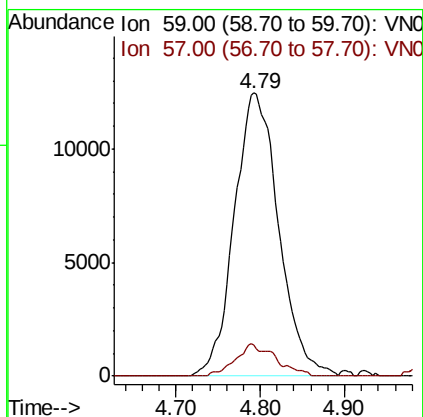
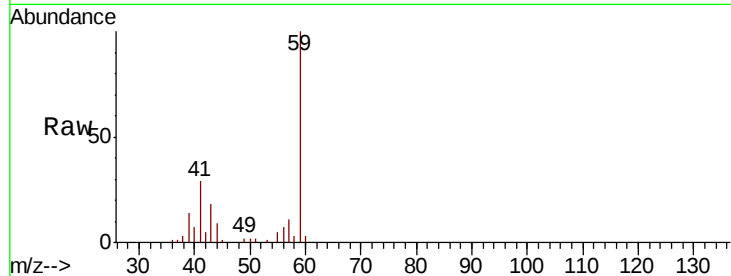




#11
Tert butyl alcohol
Concen: 104.43 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

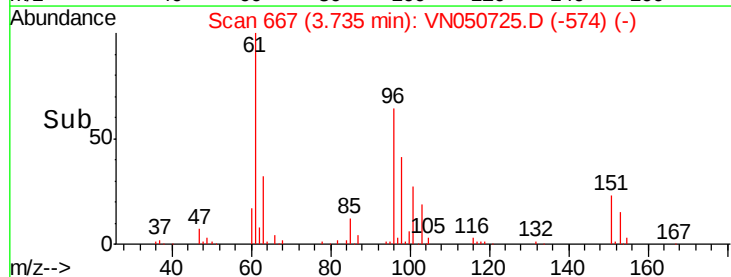
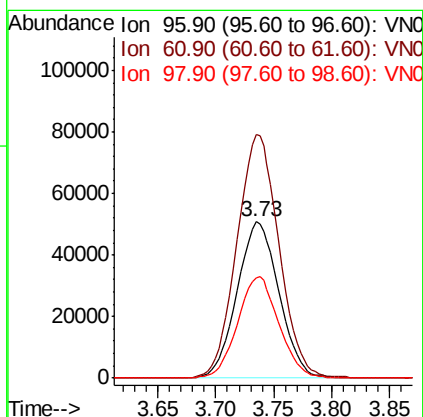
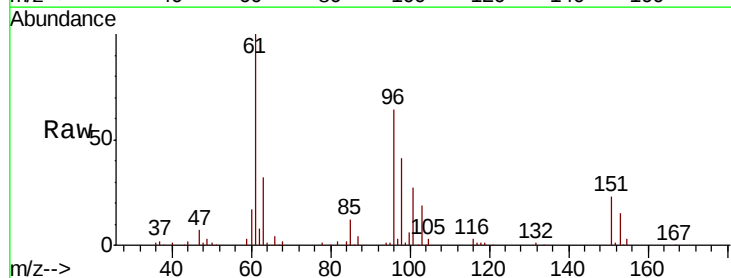
Instrument :
MSVOA_N
ClientSampled :

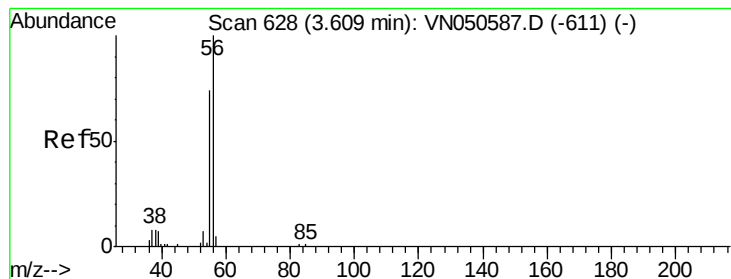
Tot Ion: 59 Resp: 45674
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6



#12
1,1-Dichloroethene
Concen: 18.50 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 96 Resp: 127526
Ion Ratio Lower Upper
96 100
61 155.2 126.9 190.3
98 64.1 51.1 76.7





#13

Acrolein

Concen: 53.77 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

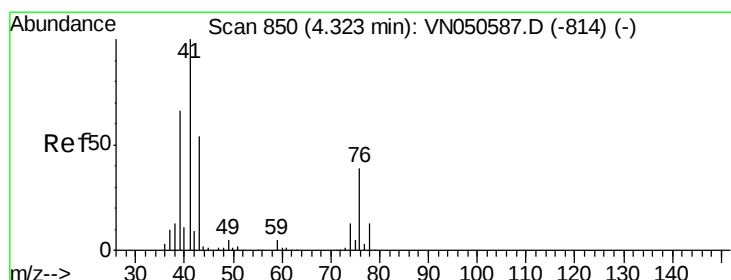
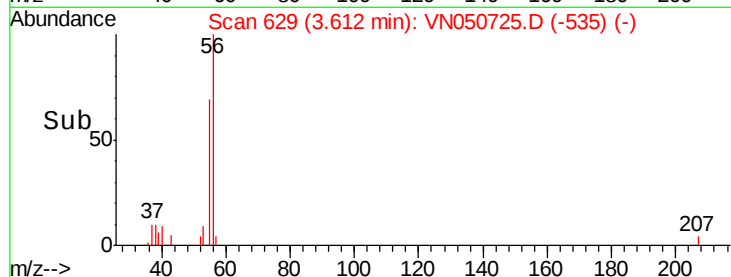
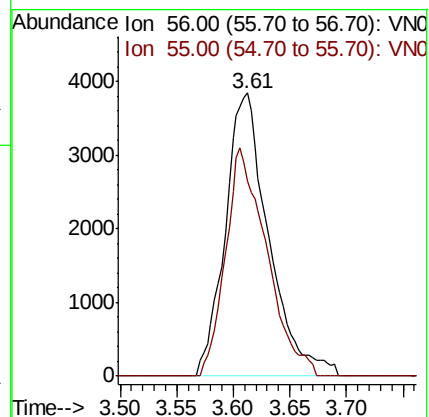
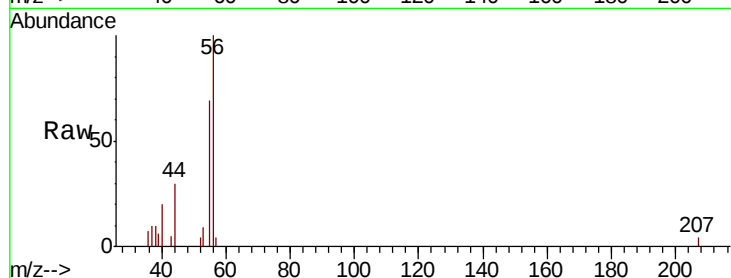
ClientSampleId :

Tot Ion: 56 Resp: 10272

Ion Ratio Lower Upper

56 100

55 76.5 56.3 84.5



#14

Allyl chloride

Concen: 18.80 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

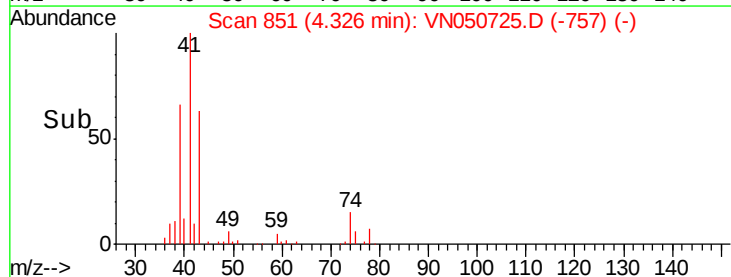
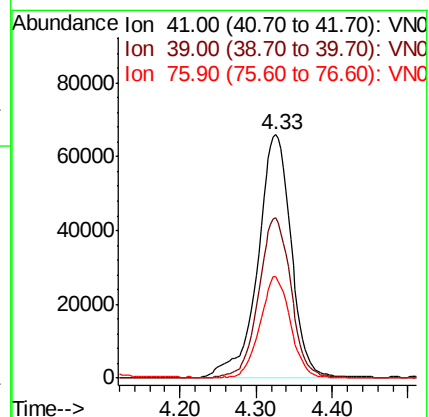
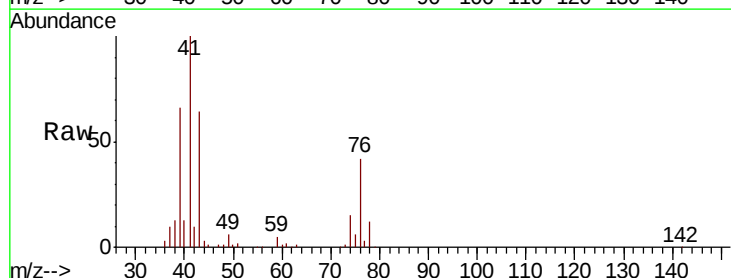
Tgt Ion: 41 Resp: 201682

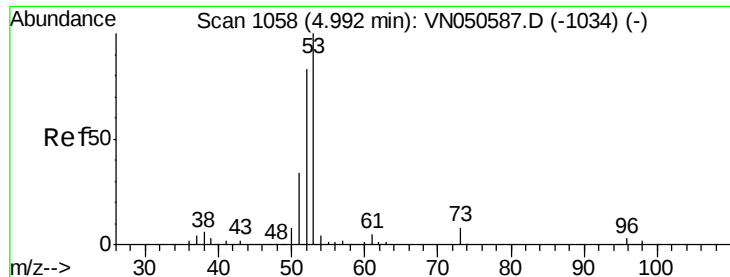
Ion Ratio Lower Upper

41 100

39 63.7 51.4 77.0

76 37.9 29.4 44.0





#15

Acrylonitrile

Concen: 98.48 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

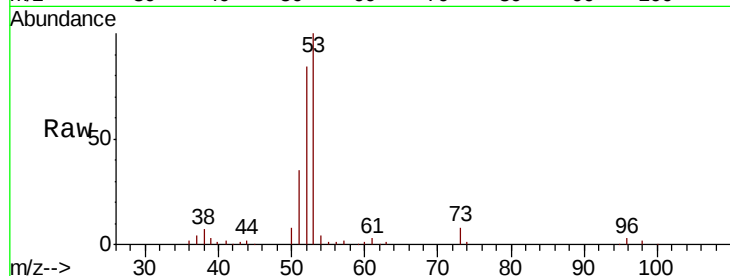
Tot Ion: 53 Resp: 236559

Ion Ratio Lower Upper

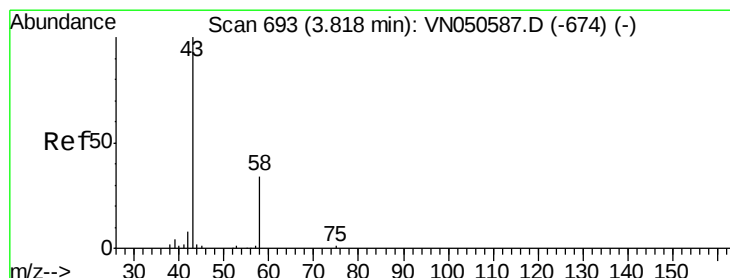
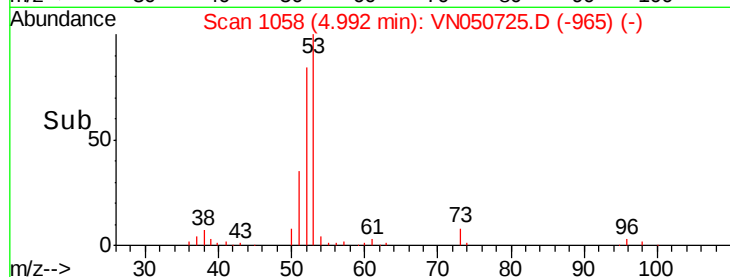
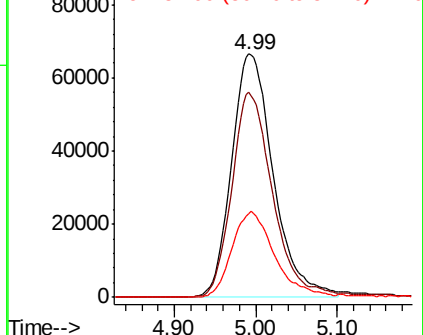
53 100

52 83.8 66.2 99.2

51 35.9 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 110.05 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050725.D

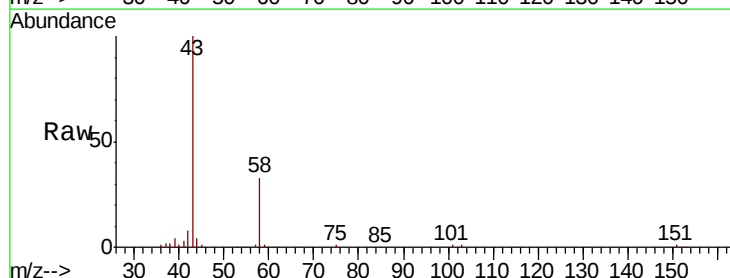
Acq: 17 Aug 2018 13:09

Tgt Ion: 43 Resp: 221723

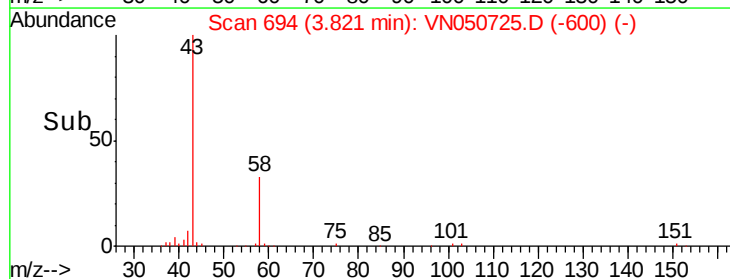
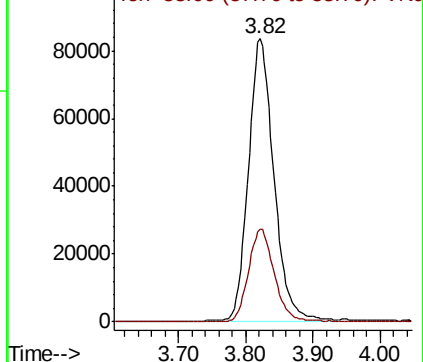
Ion Ratio Lower Upper

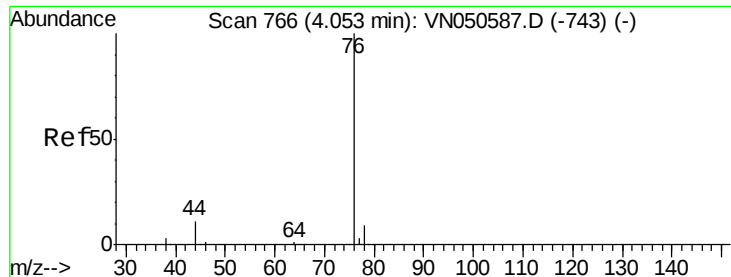
43 100

58 32.9 27.1 40.7



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

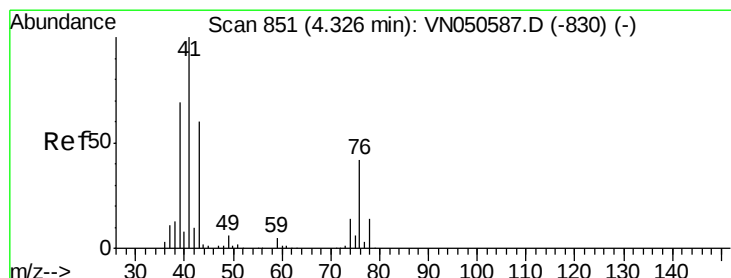
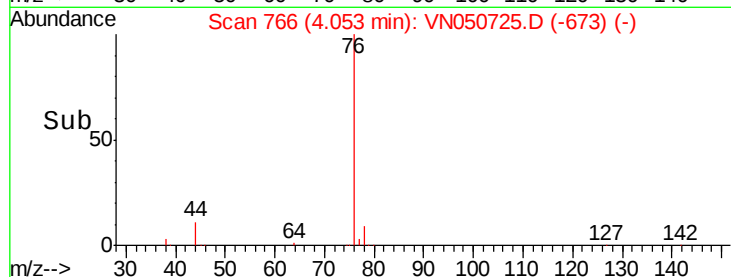
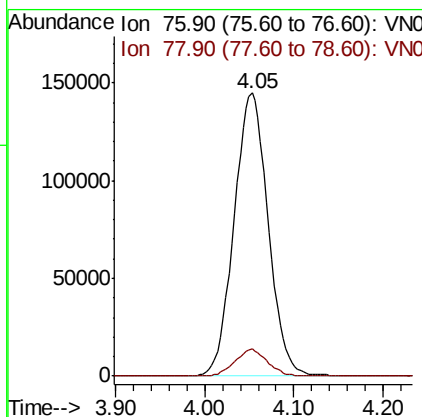
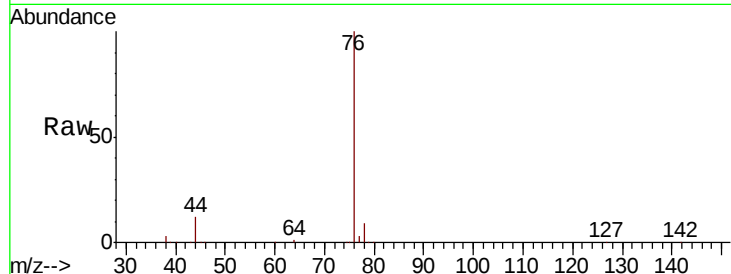




#17
Carbon Disulfide
Concen: 17.72 ug/l
RT: 4.05 min Scan# 766
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

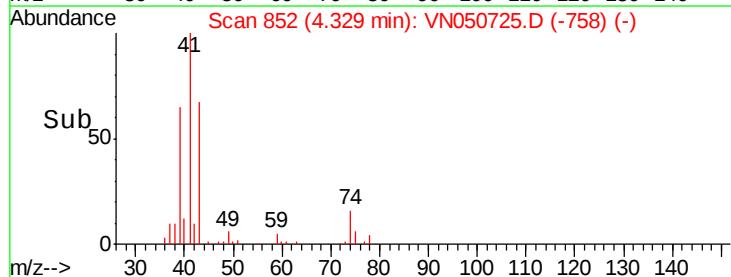
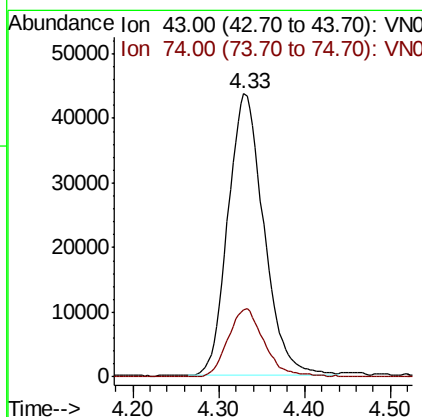
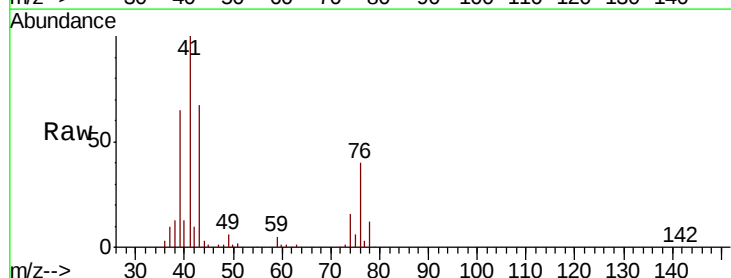
Instrument :
MSVOA_N
ClientSampleId :

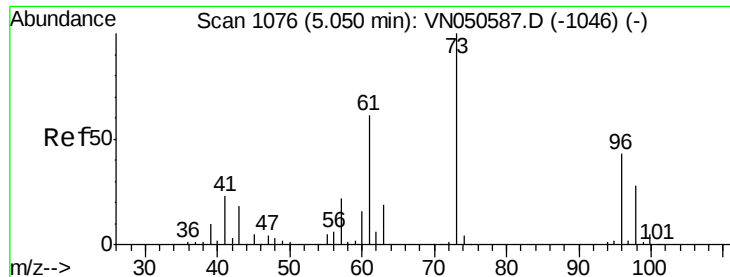
Tot Ion: 76 Resp: 384380
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 22.00 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 43 Resp: 126896
Ion Ratio Lower Upper
43 100
74 24.5 19.7 29.5

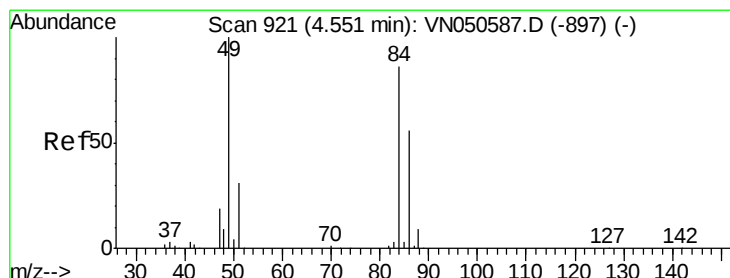
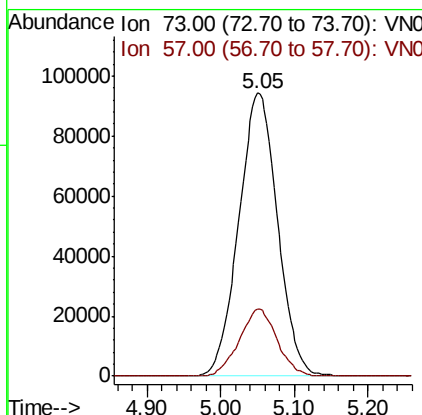
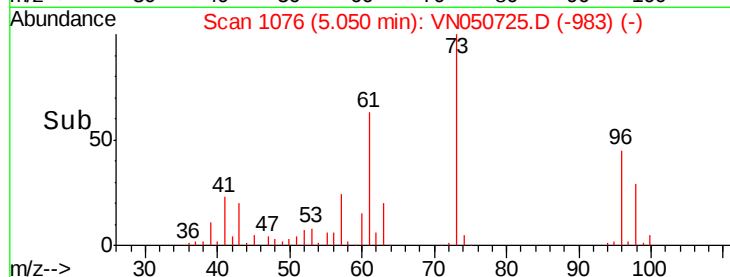
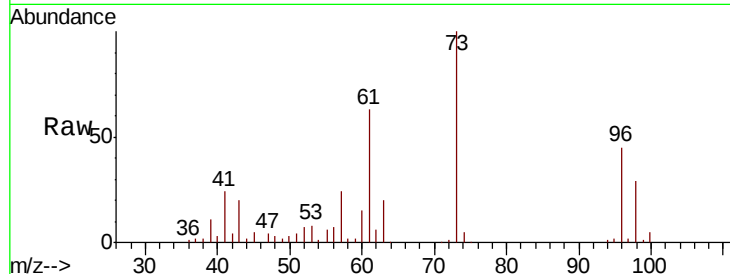




#19
Methyl tert-butyl Ether
Concen: 19.67 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

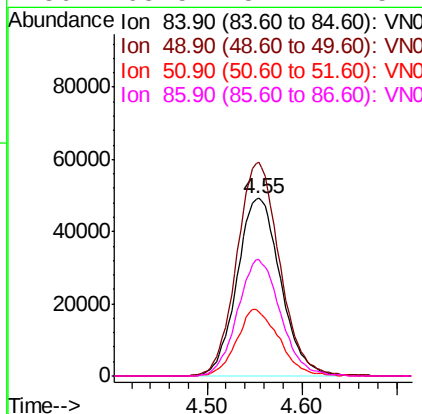
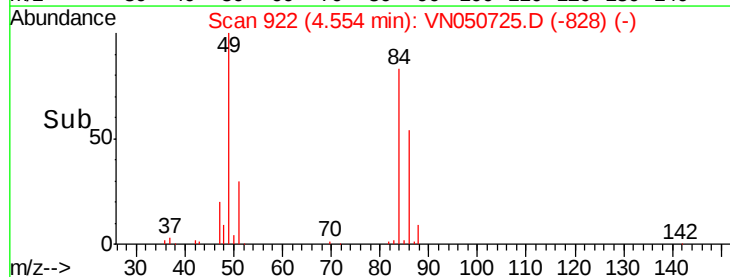
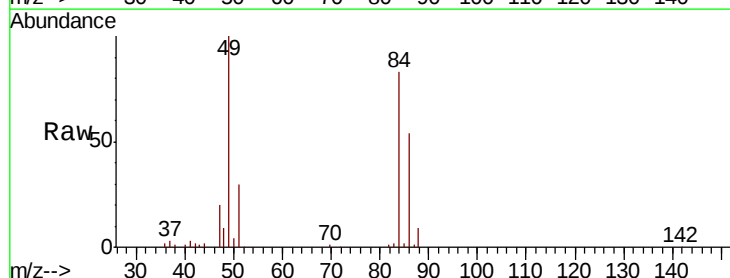
Instrument :
MSVOA_N
ClientSampled :

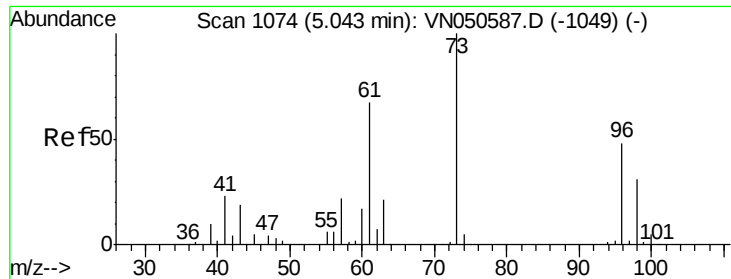
Tot Ion: 73 Resp: 345250
Ion Ratio Lower Upper
73 100
57 23.9 17.9 26.9



#20
Methylene Chloride
Concen: 19.94 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 84 Resp: 157625
Ion Ratio Lower Upper
84 100
49 120.0 92.6 138.8
51 36.3 28.6 43.0
86 65.5 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.87 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :

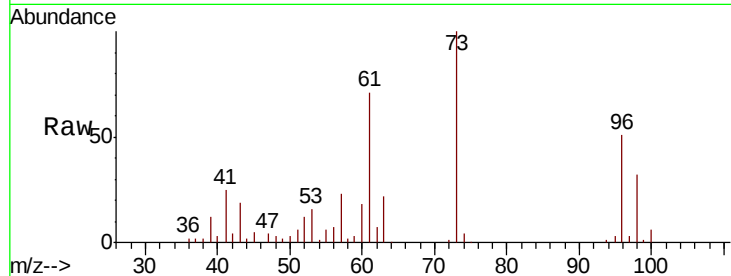
Tot Ion: 96 Resp: 141069

Ion Ratio Lower Upper

96 100

61 138.3 111.2 166.8

98 61.8 51.6 77.4

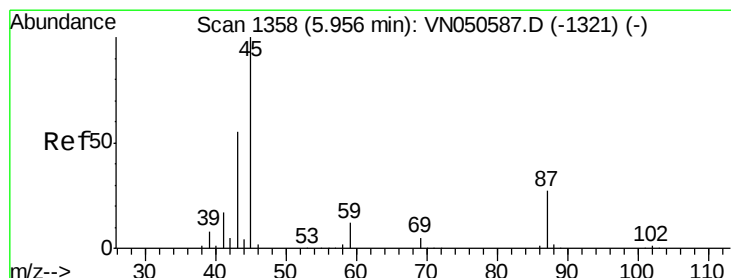
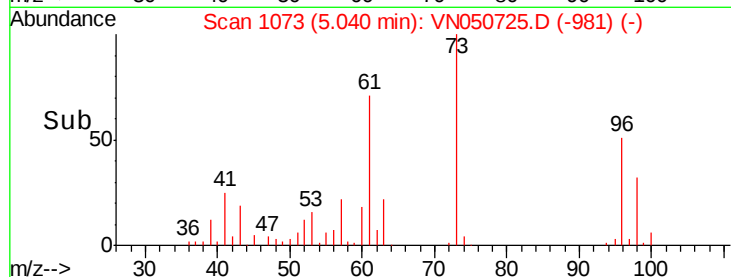
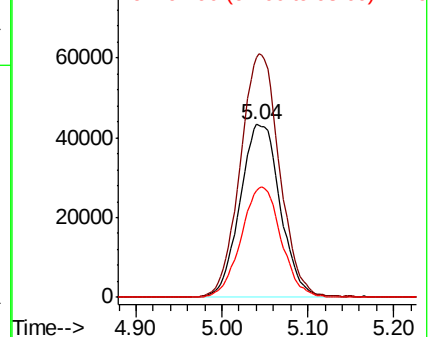


Abundance

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: 20.48 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Tgt Ion: 45 Resp: 450404

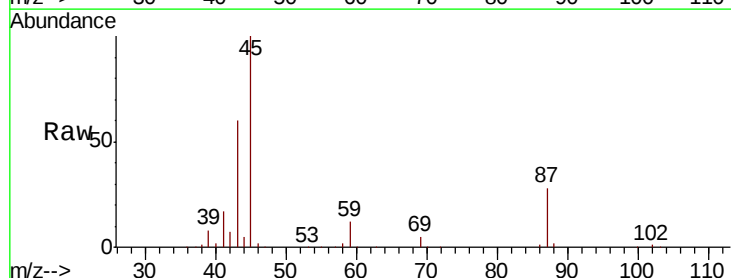
Ion Ratio Lower Upper

45 100

43 59.1 44.5 66.7

87 28.3 22.2 33.2

59 12.1 9.5 14.3



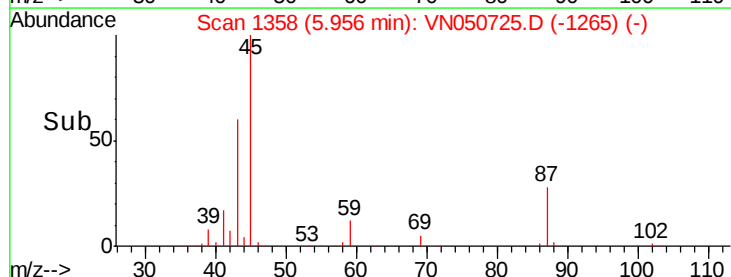
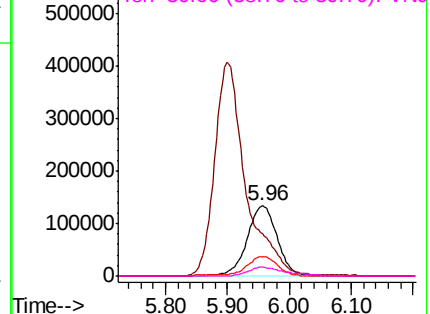
Abundance

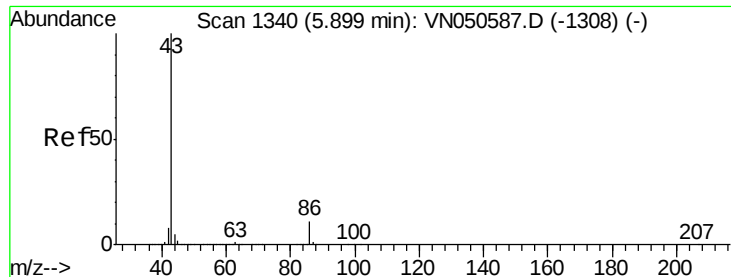
Ion 45.00 (44.70 to 45.70): VN0

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: 98.73 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

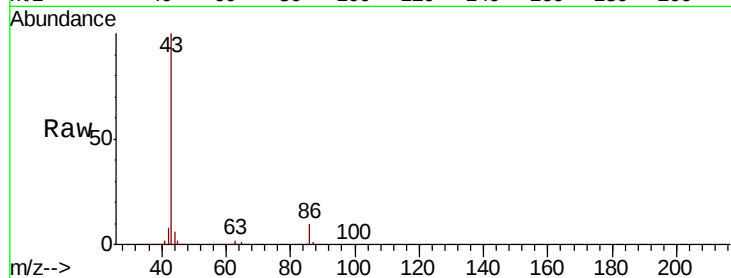
ClientSampleId :

Tot Ion: 43 Resp: 1420209

Ion Ratio Lower Upper

43 100

86 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN050725.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN050725.D (-1247) (-)

5.90

400000

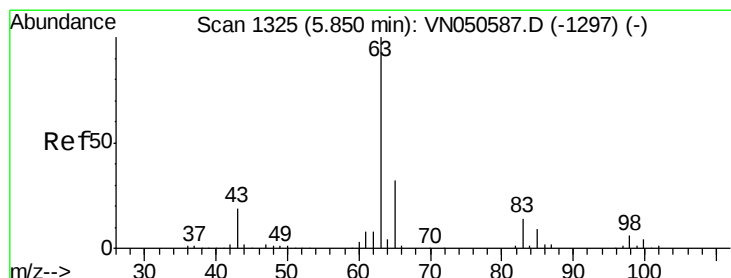
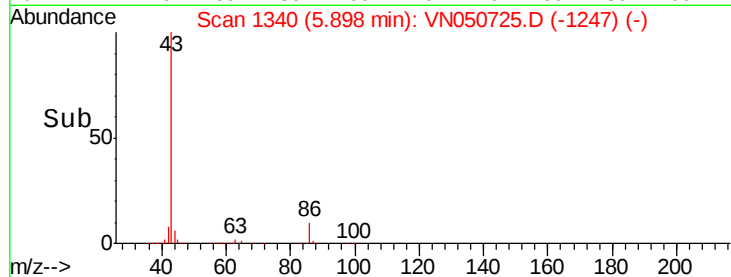
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.95 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

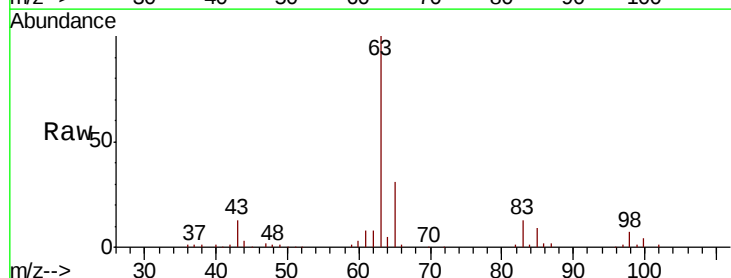
Tgt Ion: 63 Resp: 269657

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN050725.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN050725.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN050725.D (-1232) (-)

5.85

120000

100000

80000

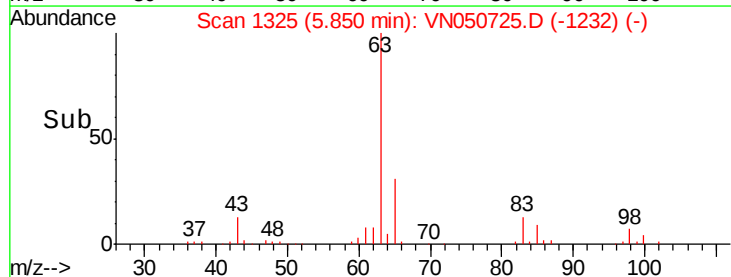
60000

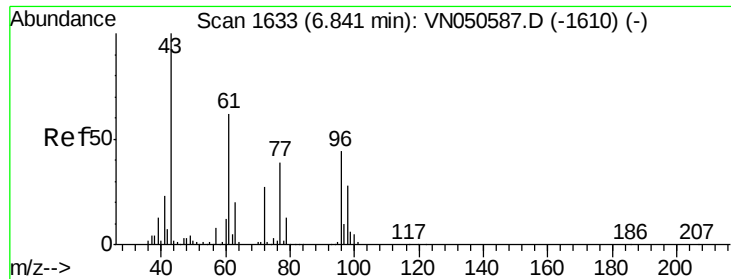
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

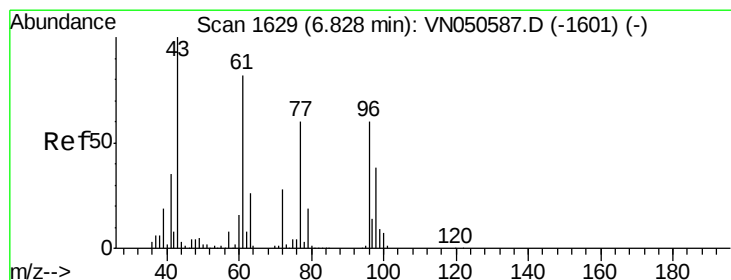
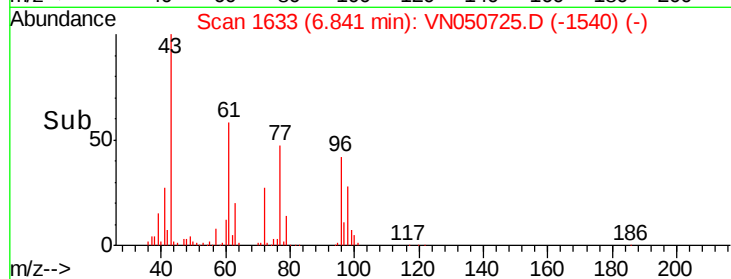
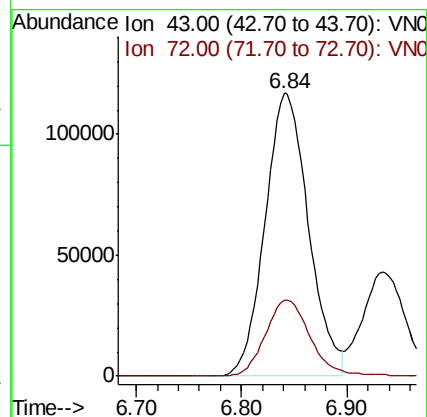
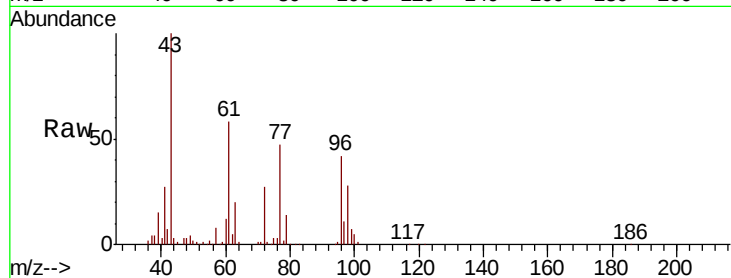




#25
 2-Butanone
 Concen: 101.72 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

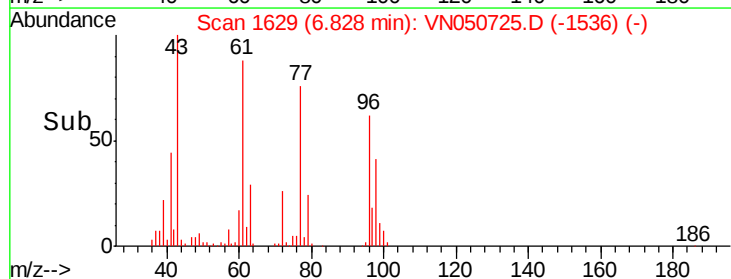
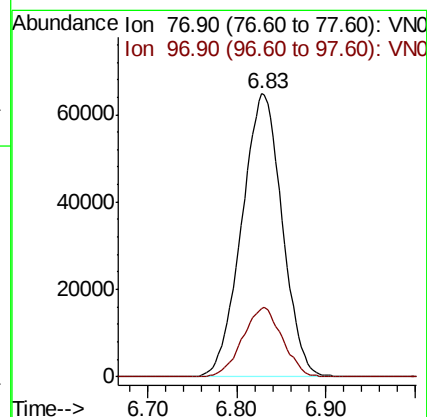
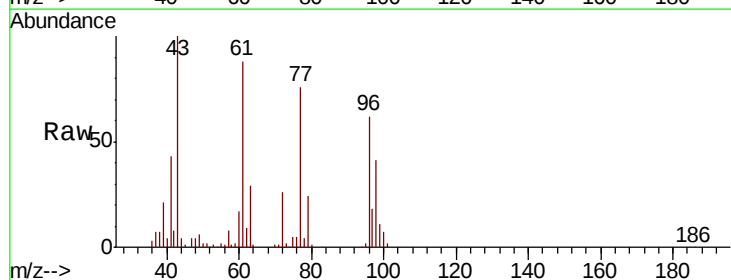
Instrument :
 MSVOA_N
 ClientSampled :

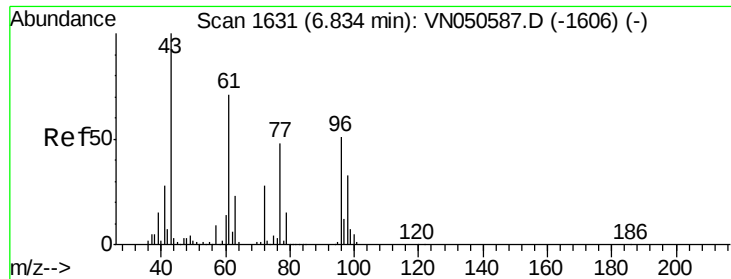
Tot Ion: 43 Resp: 334066
 Ion Ratio Lower Upper
 43 100
 72 26.7 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 21.45 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 77 Resp: 204266
 Ion Ratio Lower Upper
 77 100
 97 23.9 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 18.96 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

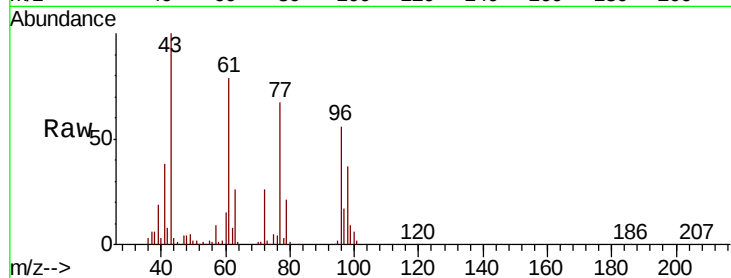
Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 157857

Ion	Ratio	Lower	Upper
96	100		
61	141.8	0.0	278.2
98	64.1	0.0	128.8

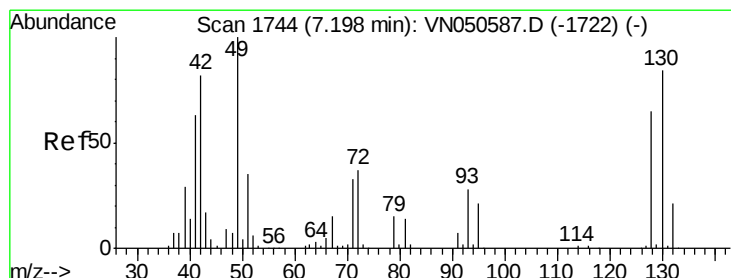
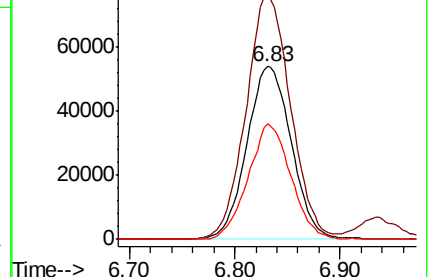
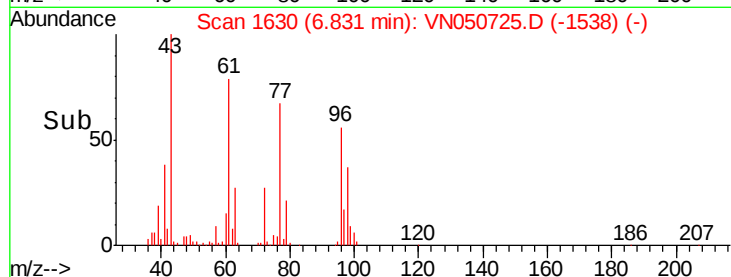


Abundance

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: 18.49 ug/l

RT: 7.20 min Scan# 1744

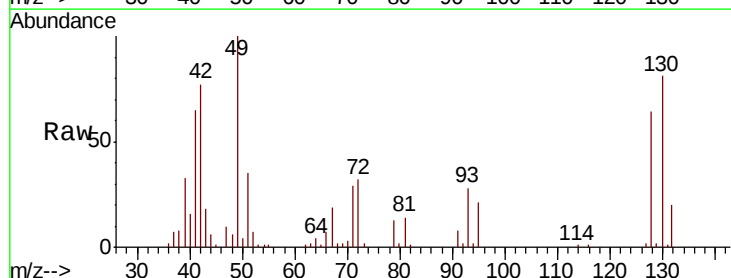
Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Tgt Ion: 49 Resp: 119748

Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.1	66.8	100.2

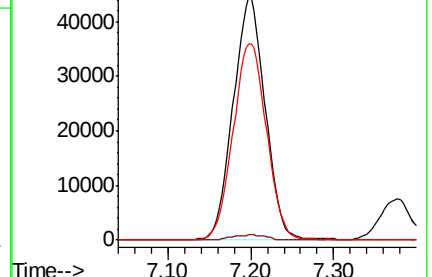
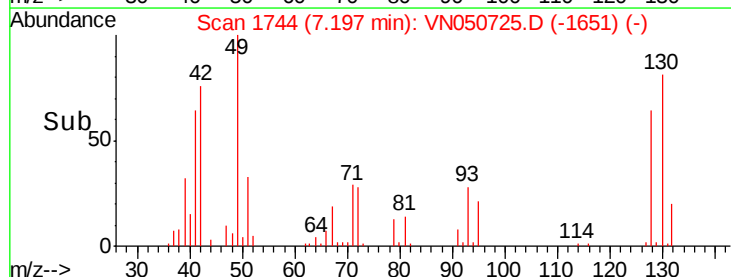


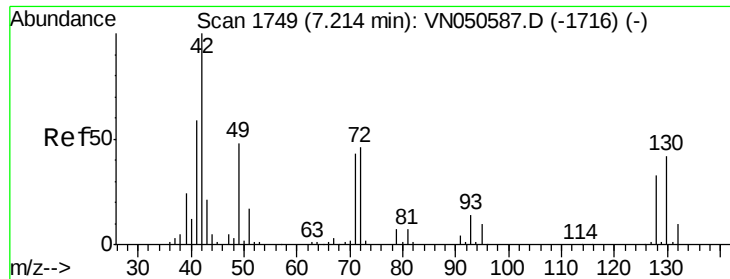
Abundance

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: 102.41 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :
MSVOA_N
ClientSampled :

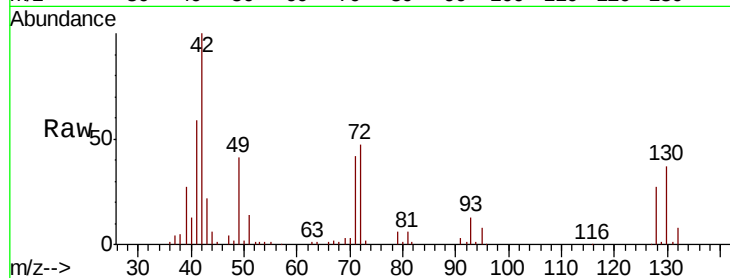
Tot Ion: 42 Resp: 175602

Ion Ratio Lower Upper

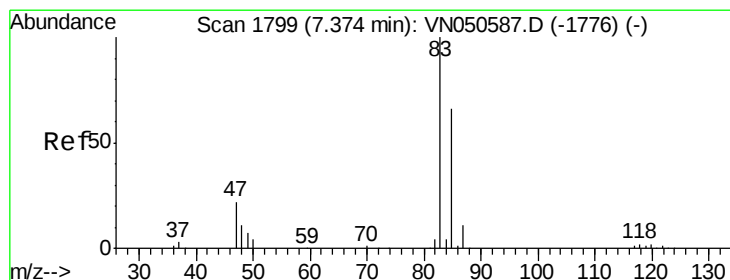
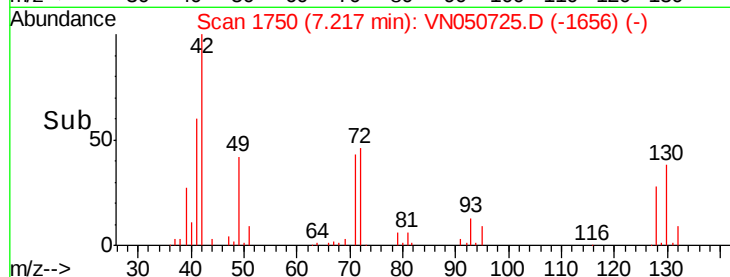
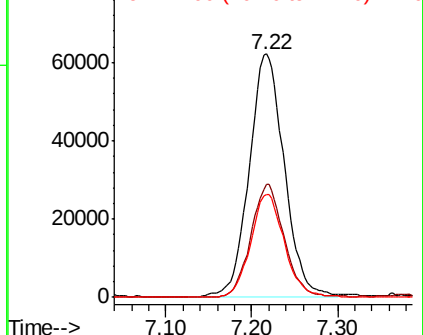
42 100

72 44.3 35.8 53.6

71 41.2 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: 18.79 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN050725.D

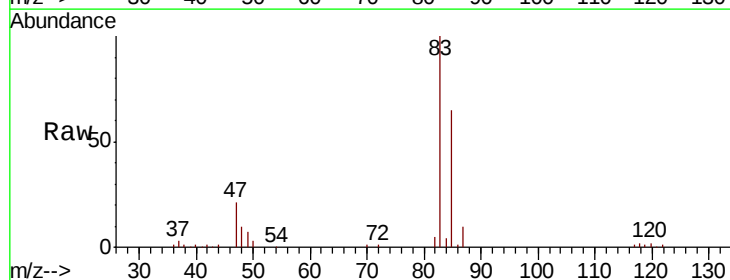
Acq: 17 Aug 2018 13:09

Tgt Ion: 83 Resp: 270870

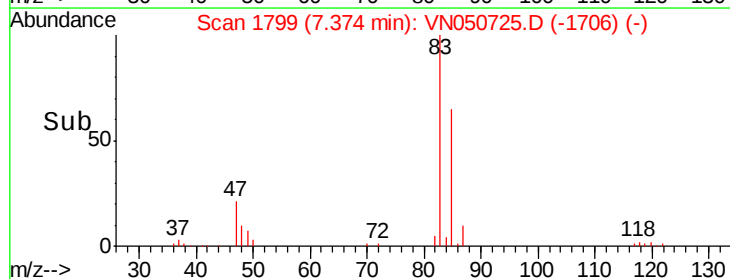
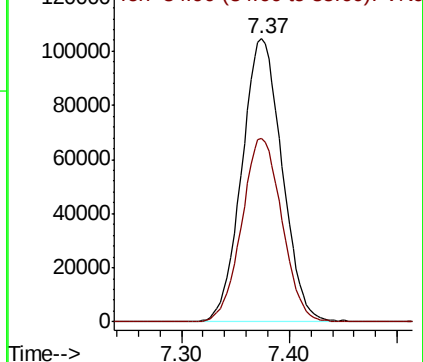
Ion Ratio Lower Upper

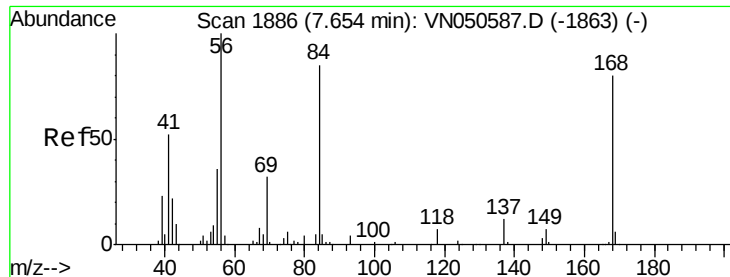
83 100

85 65.1 52.5 78.7



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

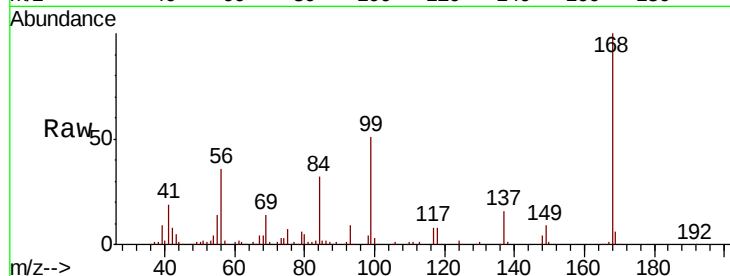




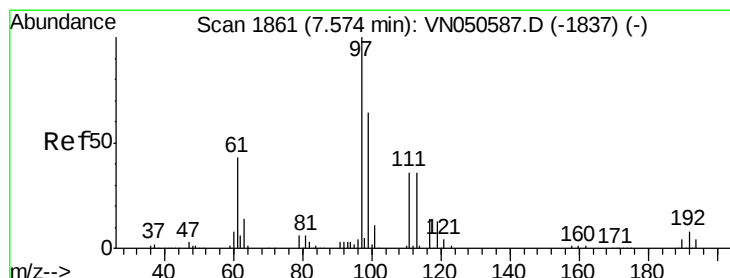
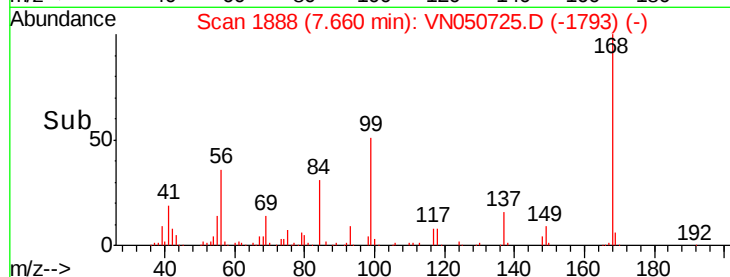
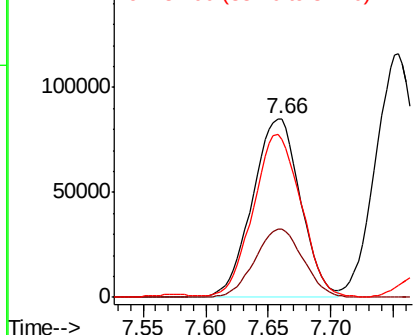
#31
Cyclohexane
Concen: 18.52 ug/l
RT: 7.66 min Scan# 1888
Delta R.T. 0.01 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 227546
Ion Ratio Lower Upper
56 100
69 38.3 25.8 38.6
84 87.3 67.8 101.6

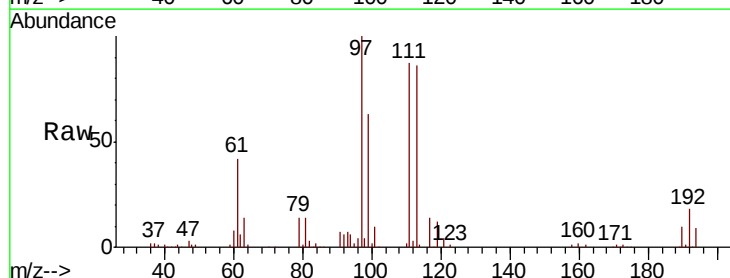


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

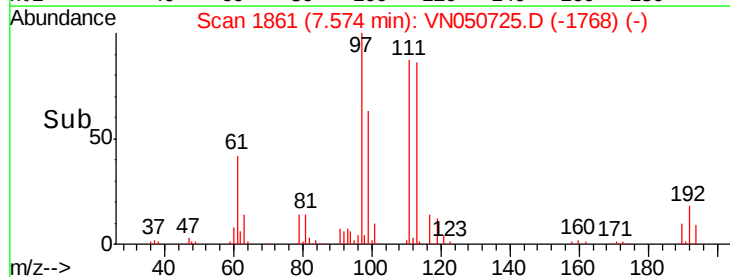
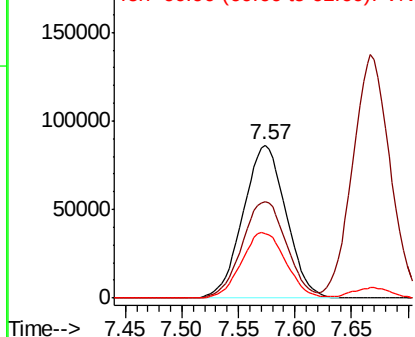


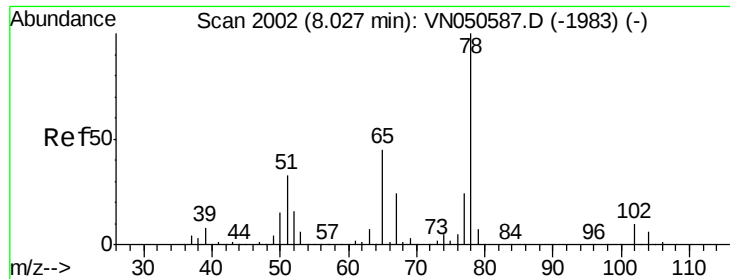
#32
1,1,1-Trichloroethane
Concen: 18.77 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 97 Resp: 227858
Ion Ratio Lower Upper
97 100
99 65.4 51.1 76.7
61 43.9 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

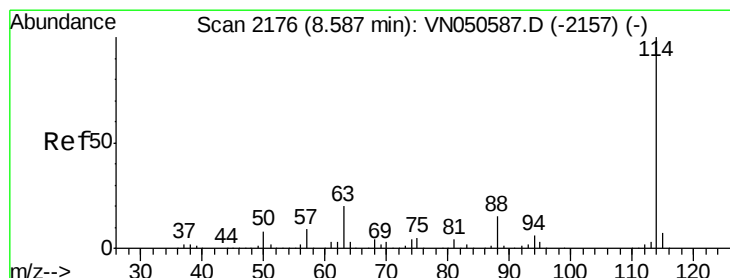
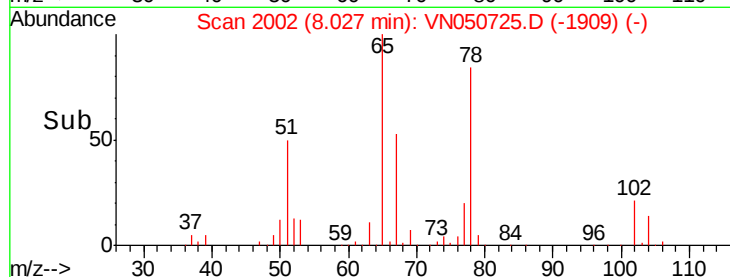
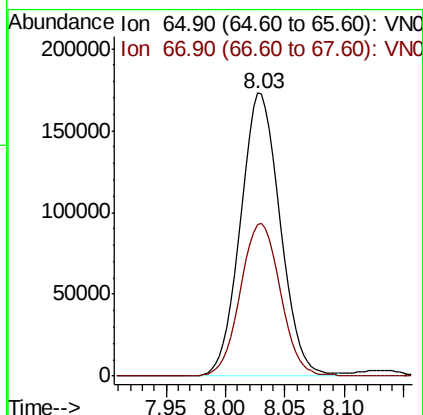
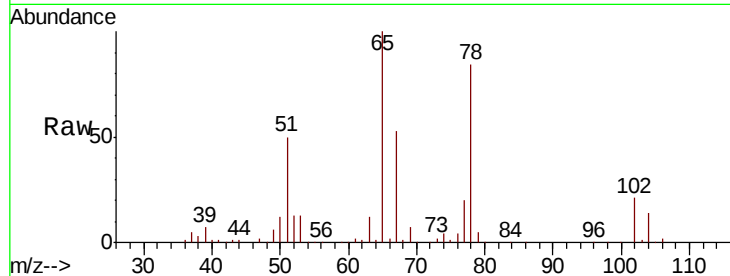




#33
 1,2-Dichloroethane-d4
 Concen: 49.92 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

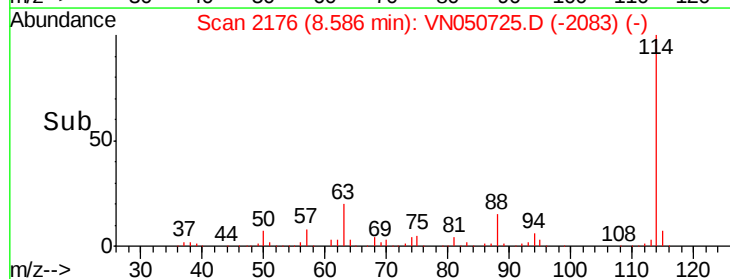
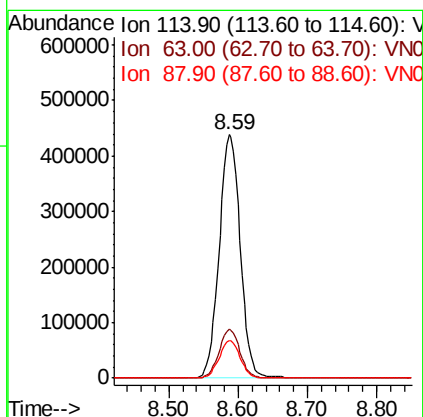
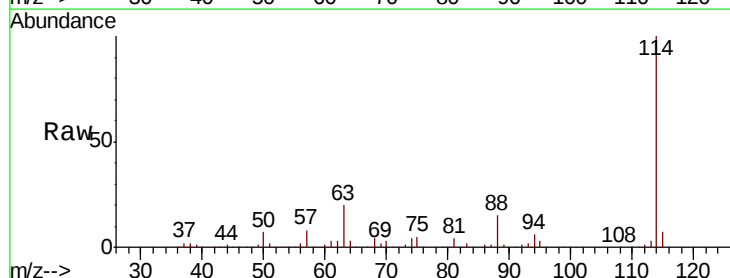
Instrument :
 MSVOA_N
 ClientSampled :

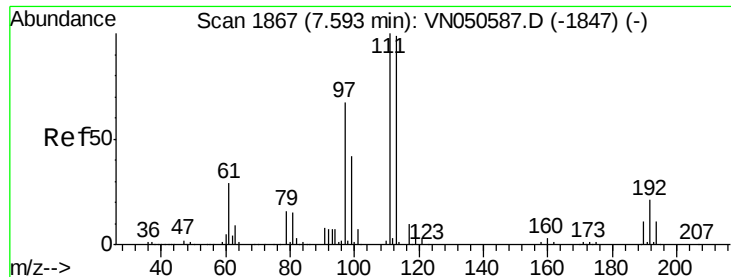
Tot Ion: 65 Resp: 399836
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 114 Resp: 924939
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 40.0
 88 15.5 0.0 30.8

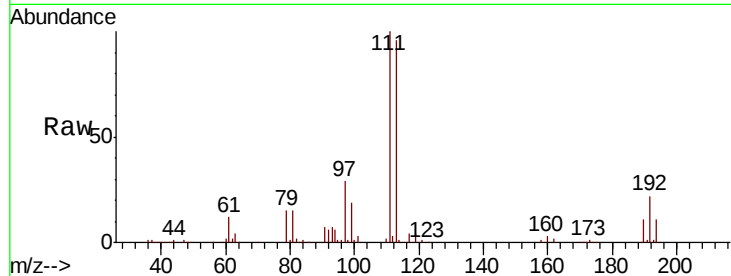




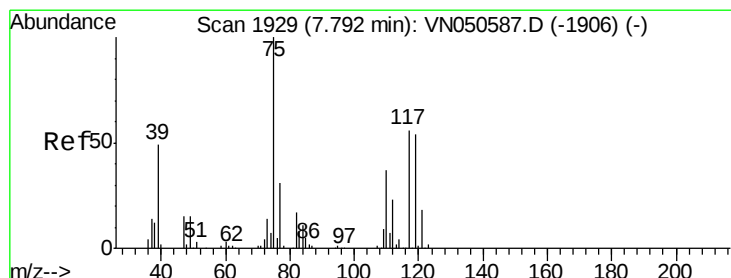
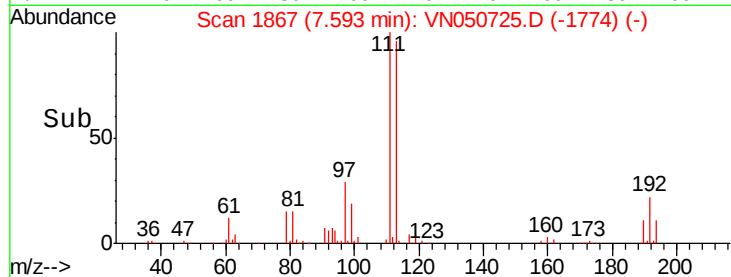
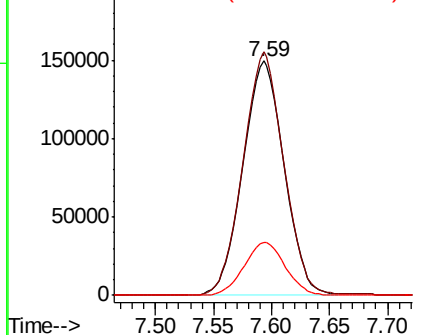
#35
 Dibromofluoromethane
 Concen: 50.20 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 370681
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.0 121.6
 192 22.5 17.6 26.4

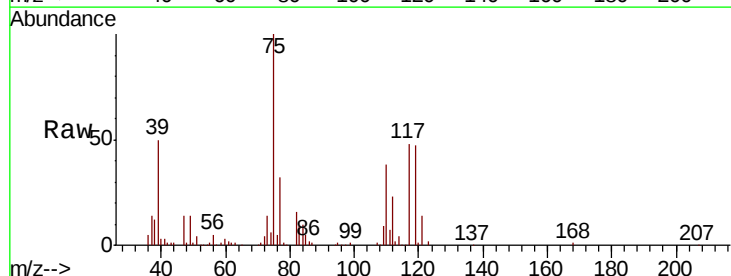


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

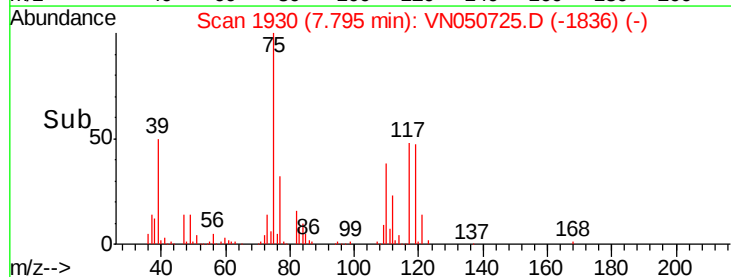
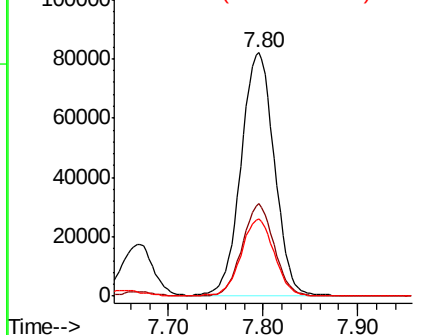


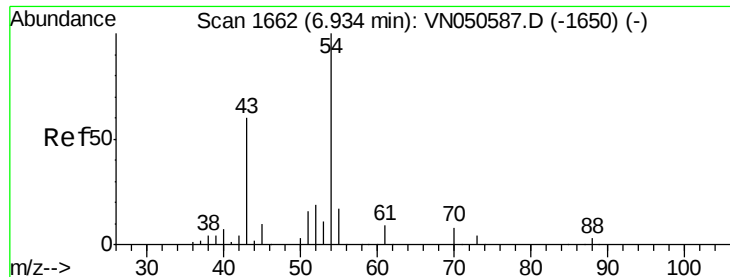
#36
 1,1-Dichloropropene
 Concen: 19.50 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 75 Resp: 200774
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.3 54.9
 77 31.7 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

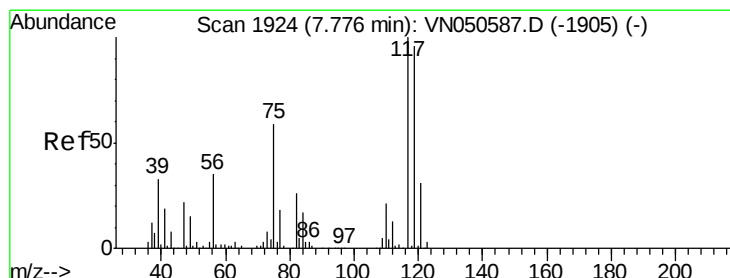
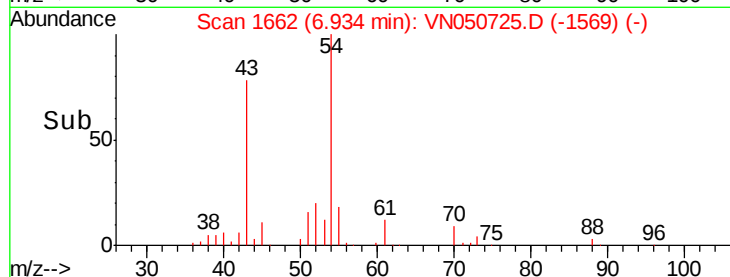
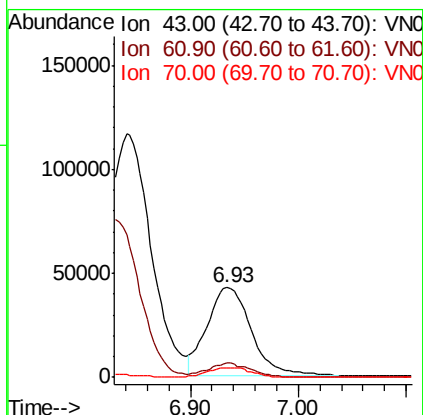
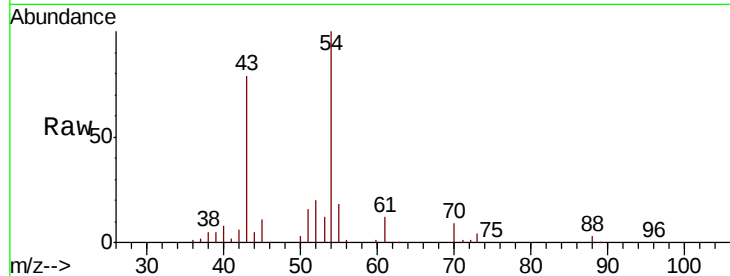




#37
Ethyl Acetate
Concen: 20.83 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

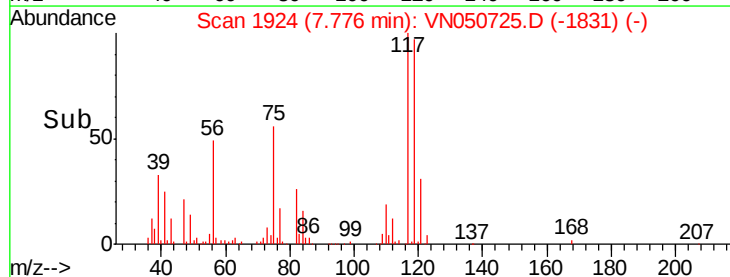
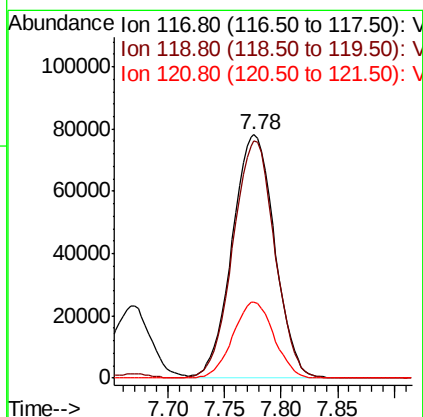
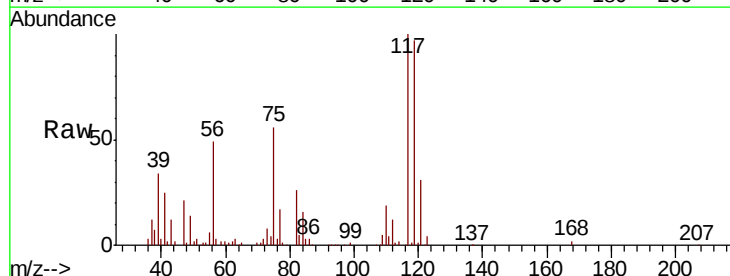
Instrument :
MSVOA_N
ClientSampled :

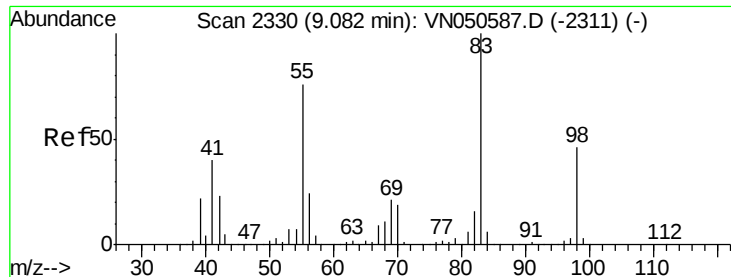
Tot Ion: 43 Resp: 121231
Ion Ratio Lower Upper
43 100
61 14.0 12.0 18.0
70 11.1 8.5 12.7



#38
Carbon Tetrachloride
Concen: 19.12 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 117 Resp: 204227
Ion Ratio Lower Upper
117 100
119 97.4 76.6 115.0
121 31.4 25.0 37.6

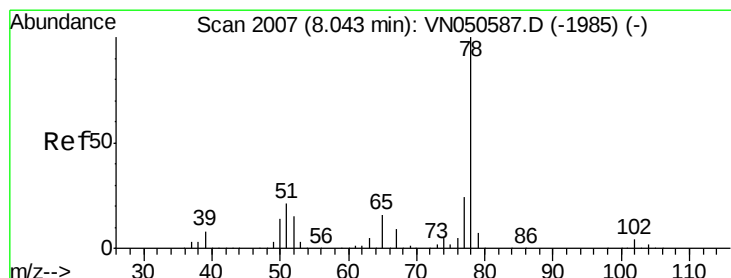
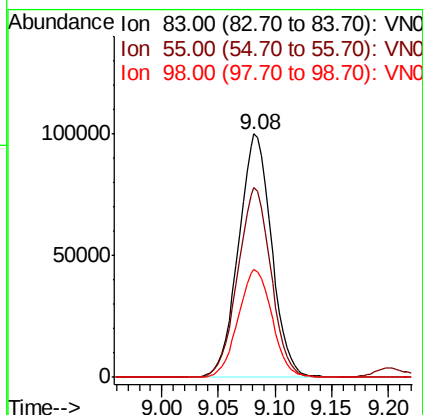
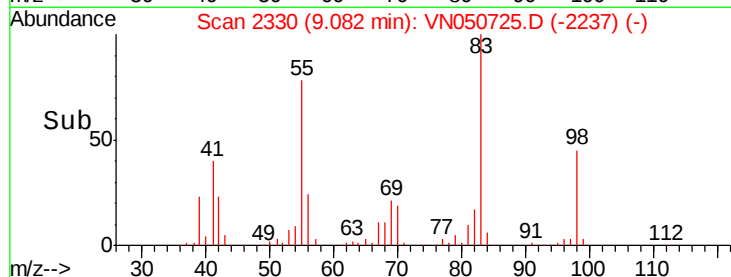
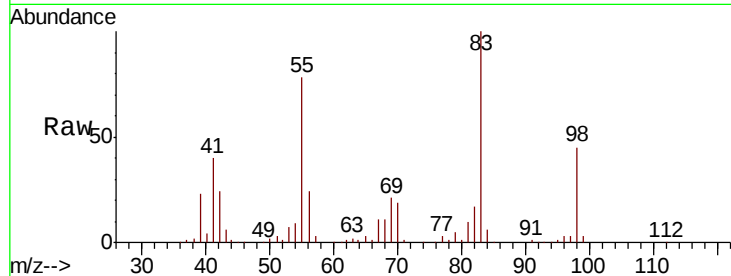




#39
Methvlcvclohexane
Concen: 19.07 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

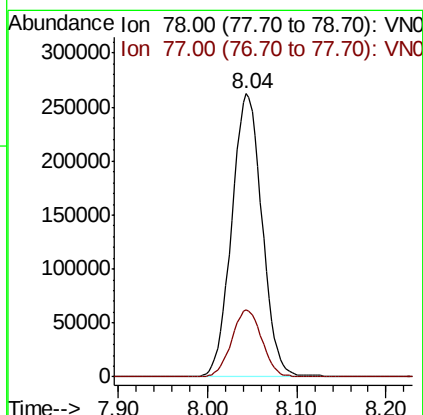
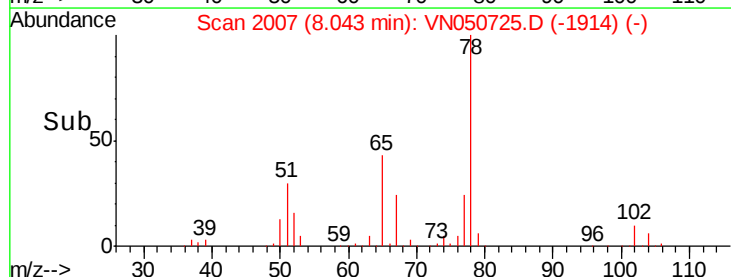
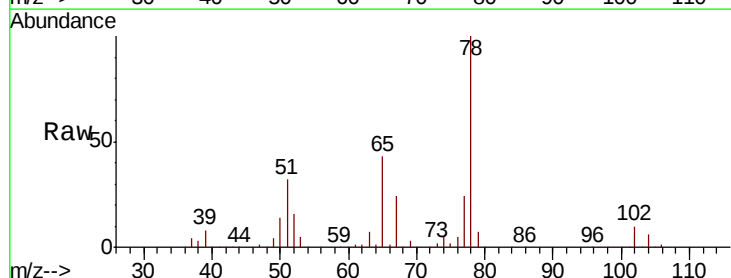
Instrument :
MSVOA_N
ClientSampled :

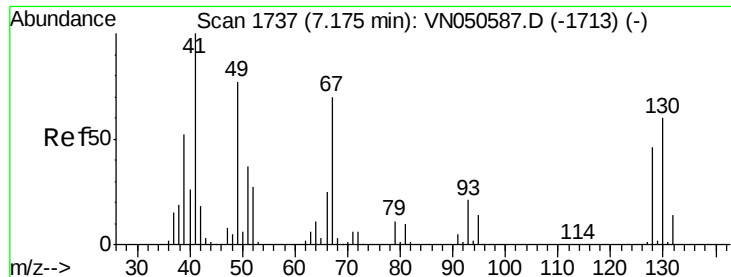
Tot Ion: 83 Resp: 203253
Ion Ratio Lower Upper
83 100
55 77.8 60.6 91.0
98 44.5 37.0 55.4



#40
Benzene
Concen: 19.80 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 78 Resp: 620299
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6

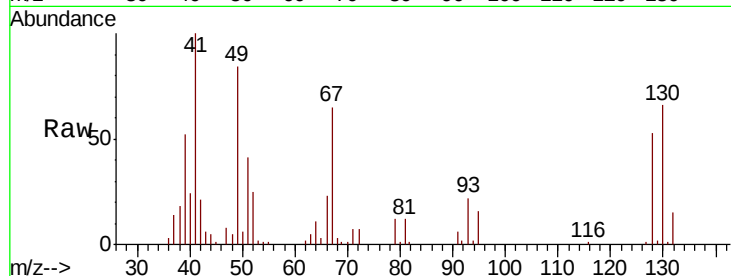




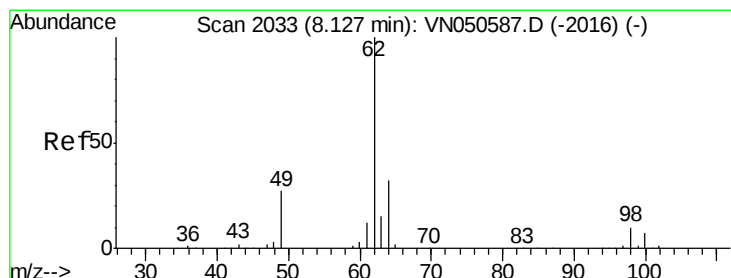
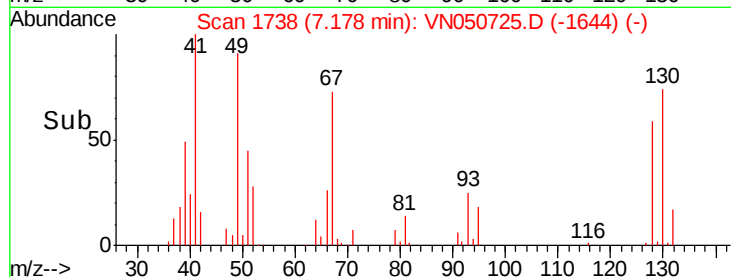
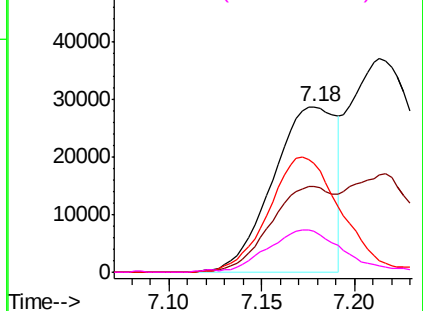
#41
Methacrylonitrile
Concen: 21.71 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 68305
Ion Ratio Lower Upper
41 100
39 52.8 44.6 66.8
67 81.2 66.7 100.1
52 31.0 26.5 39.7

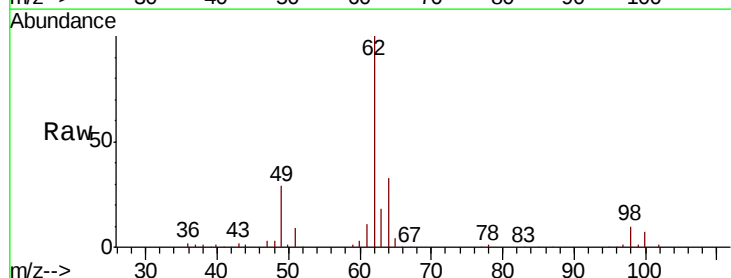


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

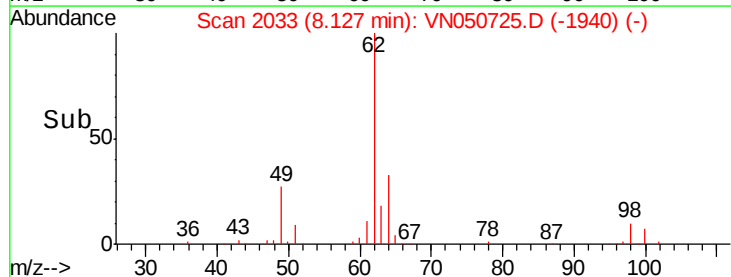
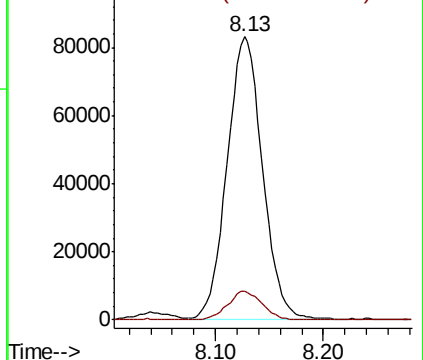


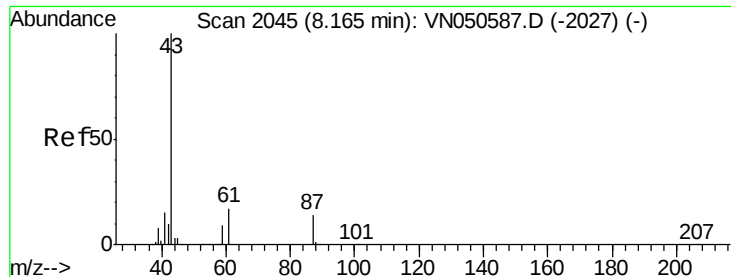
#42
1,2-Dichloroethane
Concen: 19.72 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 62 Resp: 189330
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4



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





#43

Isopropyl Acetate

Concen: 20.05 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

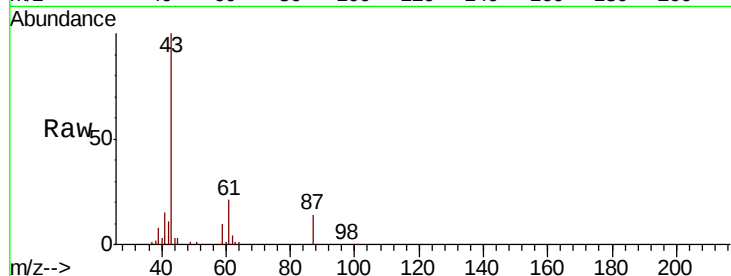
Tot Ion: 43 Resp: 212675

Ion Ratio Lower Upper

43 100

61 29.8 16.2 24.2#

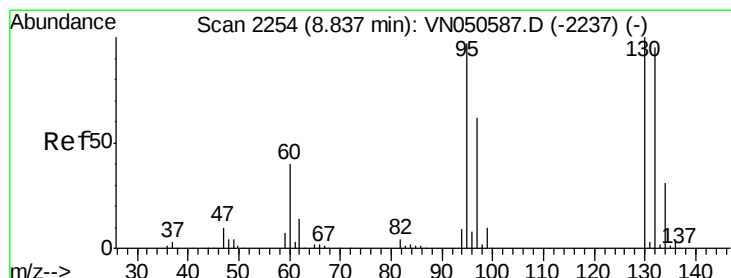
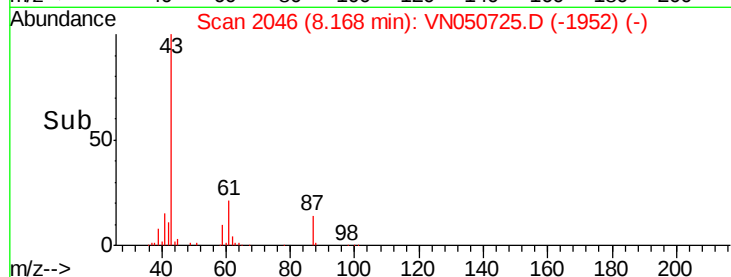
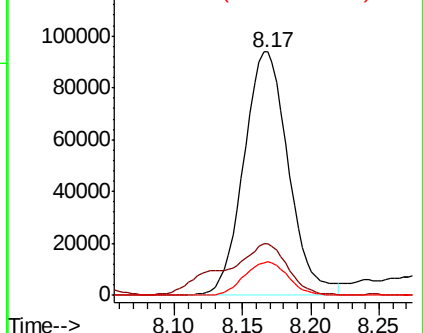
87 13.5 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.24 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050725.D

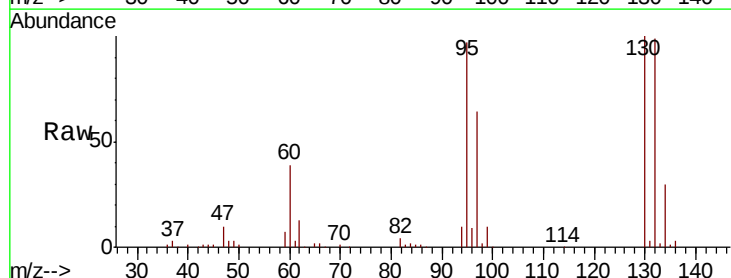
Acq: 17 Aug 2018 13:09

Tgt Ion:130 Resp: 161466

Ion Ratio Lower Upper

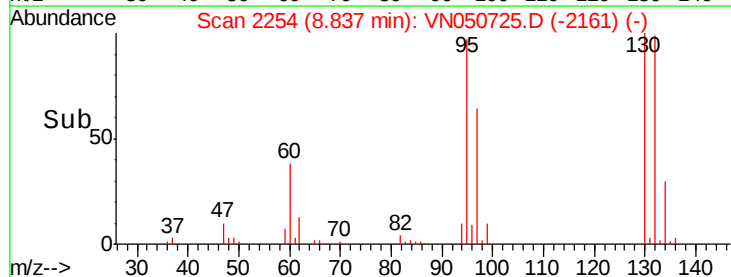
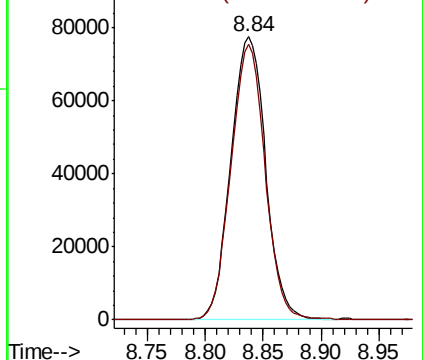
130 100

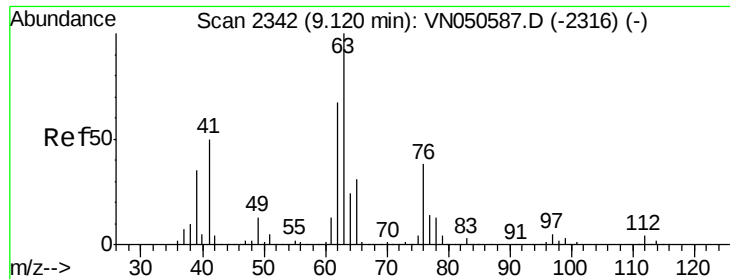
95 97.2 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

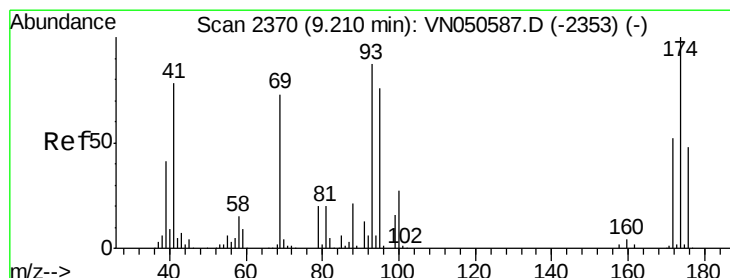
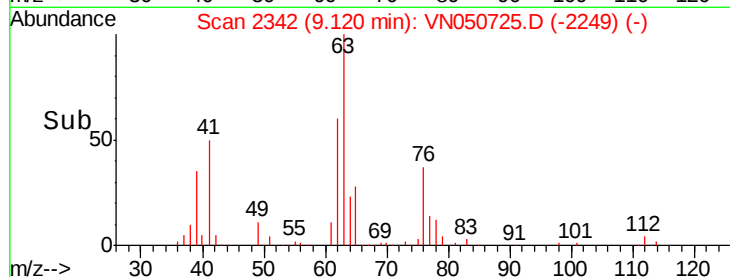
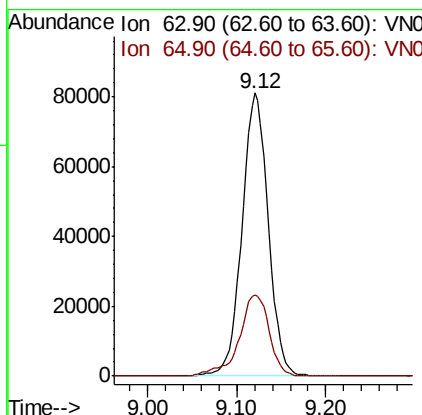
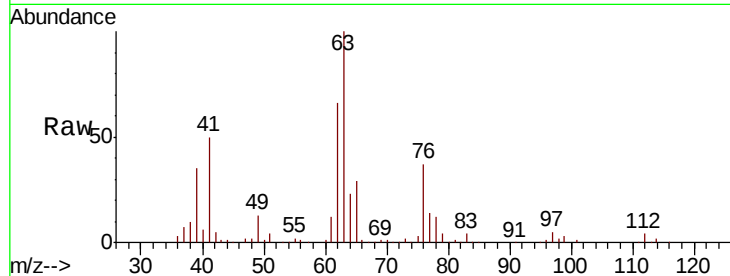




#45
 1,2-Dichloropropane
 Concen: 19.89 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

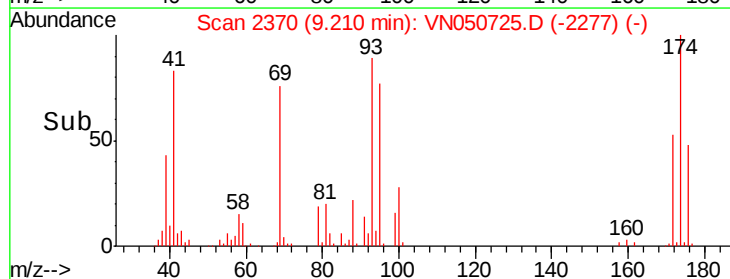
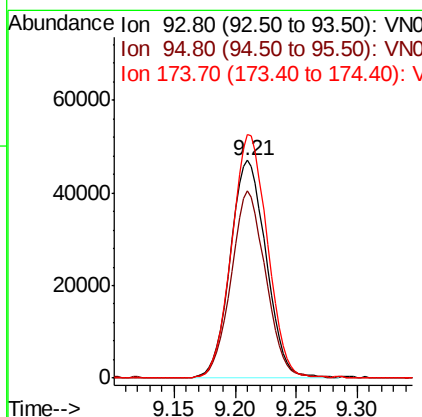
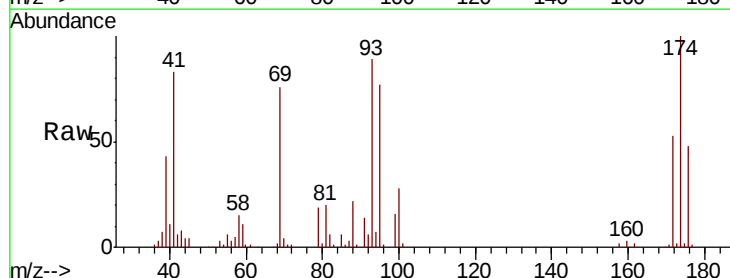
Instrument :
 MSVOA_N
 ClientSampleId :

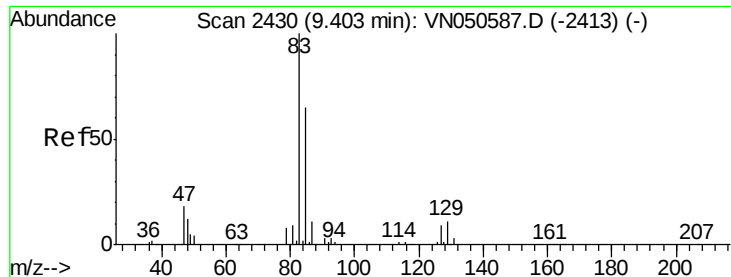
Tot Ion: 63 Resp: 165879
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.5 36.7



#46
 Dibromomethane
 Concen: 19.54 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 93 Resp: 96229
 Ion Ratio Lower Upper
 93 100
 95 83.0 69.1 103.7
 174 111.0 91.0 136.6





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

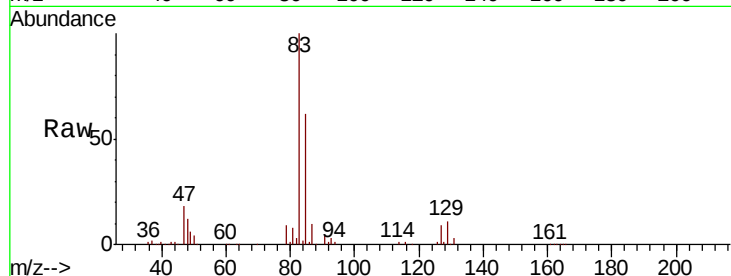
Tot Ion: 83 Resp: 204234

Ion Ratio Lower Upper

83 100

85 61.7 51.8 77.6

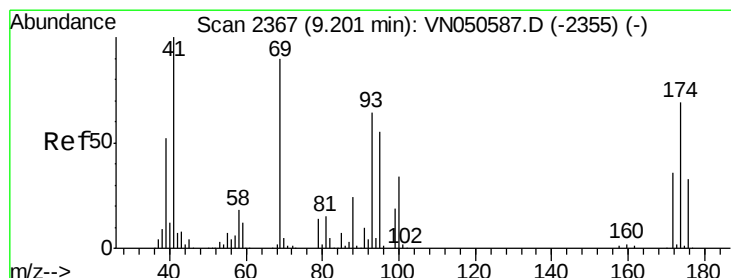
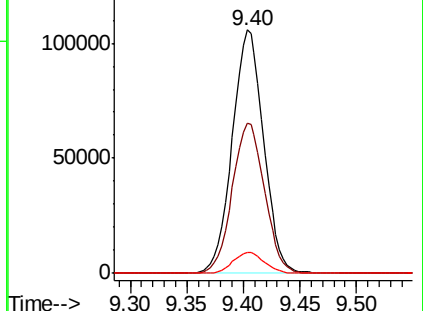
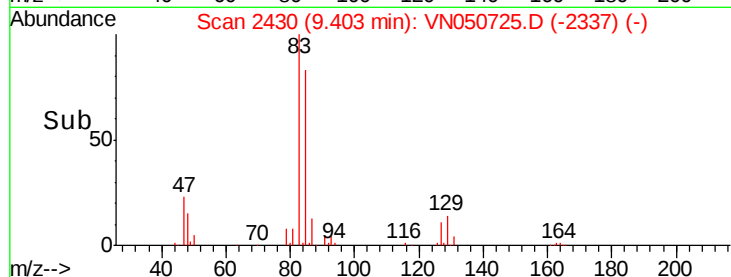
127 8.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050725.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050725.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050725.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.56 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

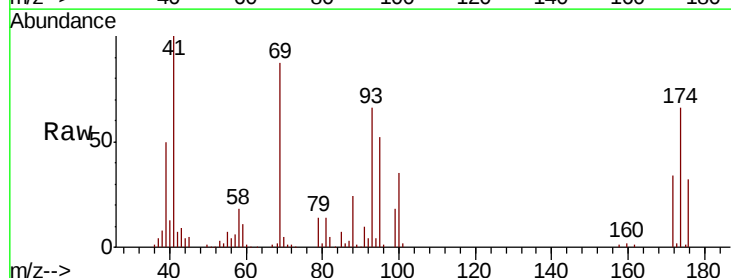
Tgt Ion: 41 Resp: 104367

Ion Ratio Lower Upper

41 100

69 91.6 73.4 110.0

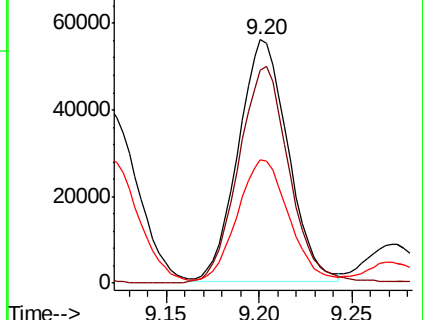
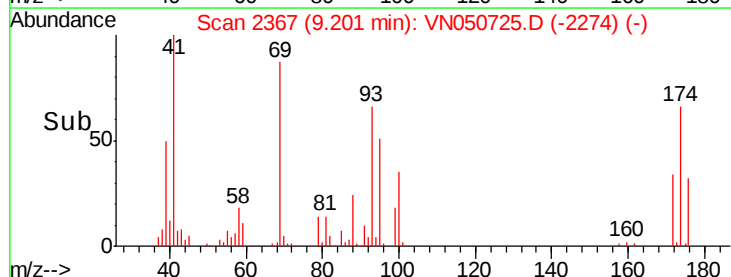
39 52.6 43.0 64.6

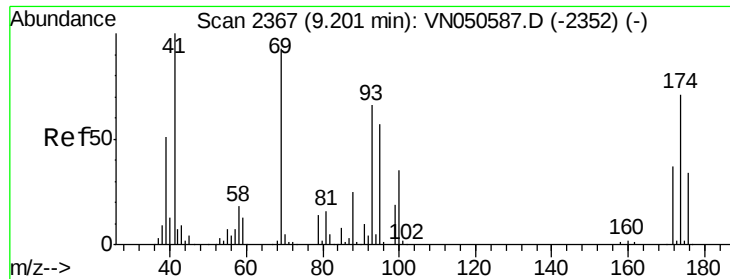


Abundance Ion 41.00 (40.70 to 41.70): VN050725.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN050725.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN050725.D (-2274) (-)

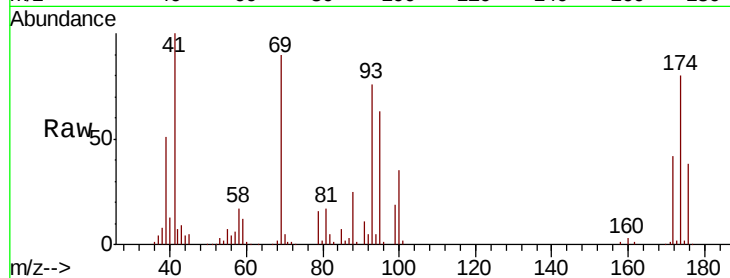




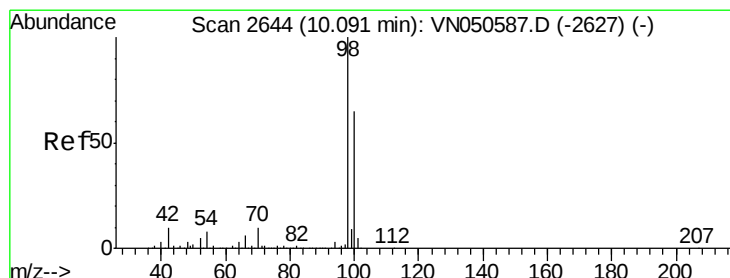
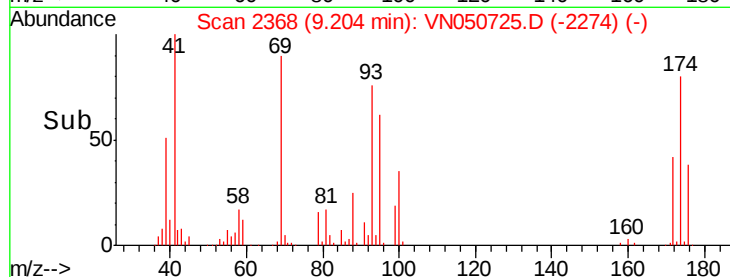
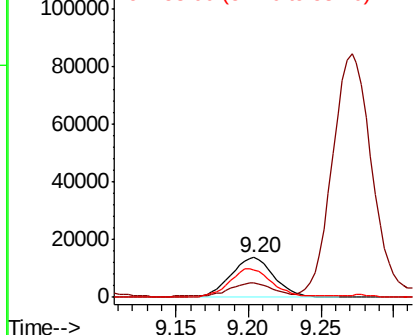
#49
 1,4-Dioxane
 Concen: 407.01 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 28616
 Ion Ratio Lower Upper
 88 100
 43 34.3 25.9 38.9
 58 71.8 56.5 84.7

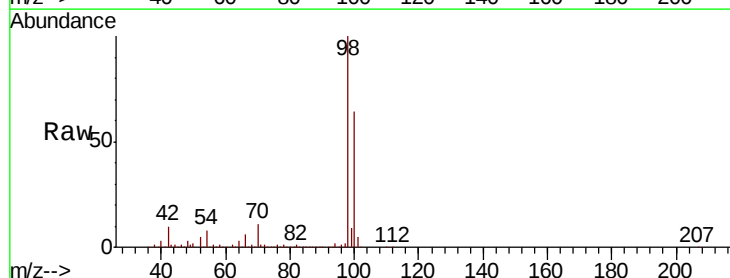


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

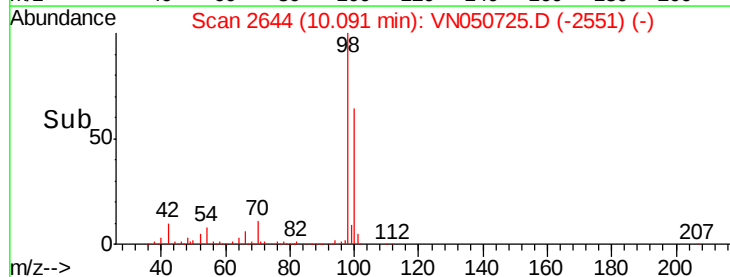
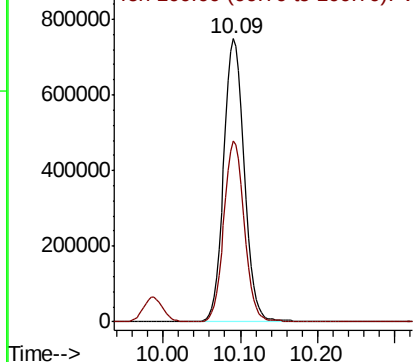


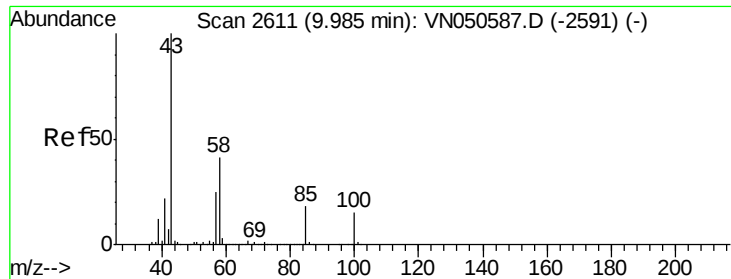
#50
 Toluene-d8
 Concen: 49.75 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 98 Resp: 1382534
 Ion Ratio Lower Upper
 98 100
 100 63.5 51.8 77.8



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

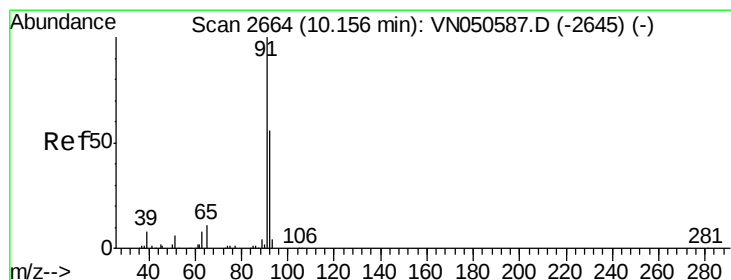
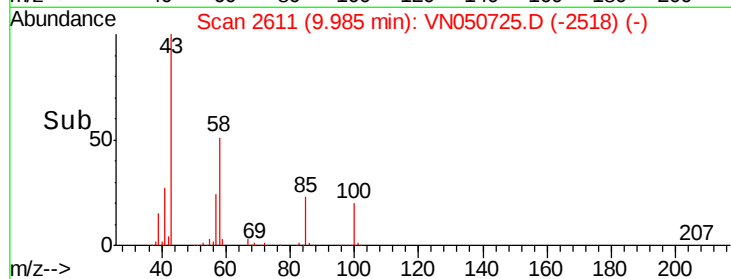
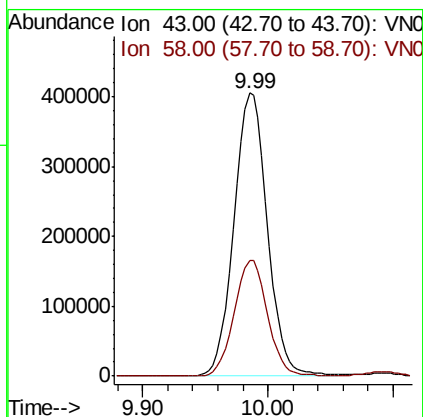
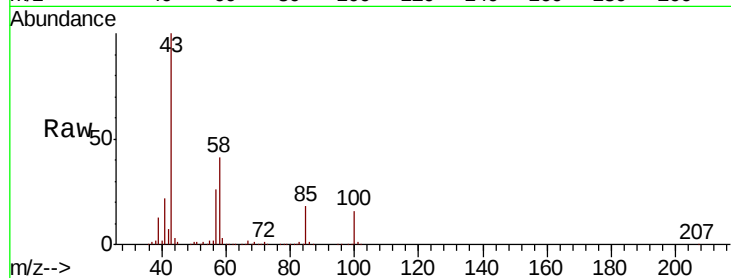




#51
4-Methyl-2-Pentanone
Concen: 104.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

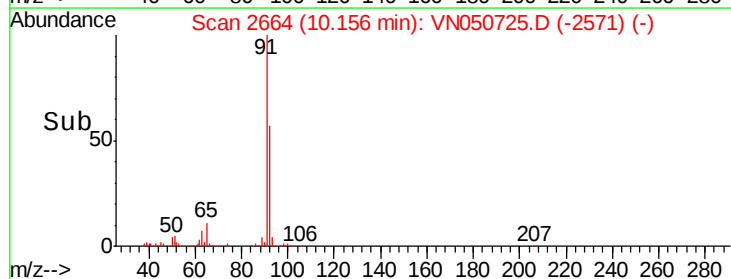
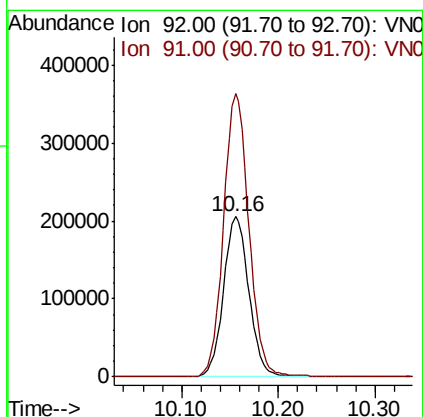
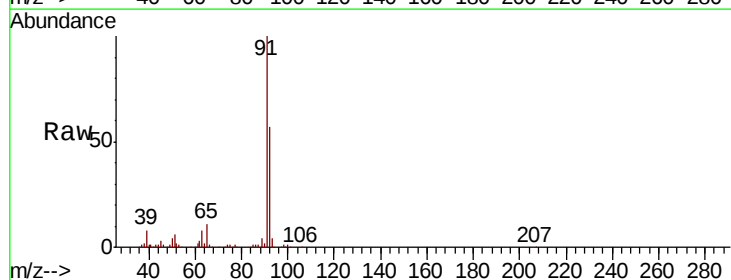
Instrument :
MSVOA_N
ClientSampled :

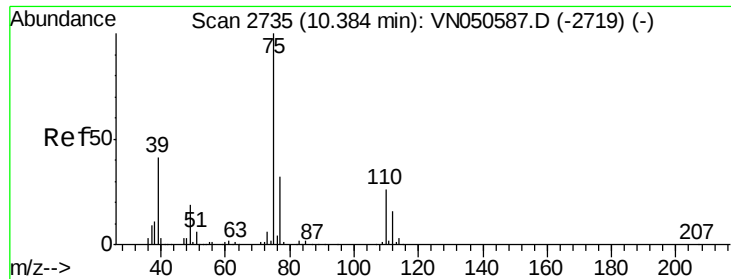
Tot Ion: 43 Resp: 746999
Ion Ratio Lower Upper
43 100
58 41.0 32.5 48.7



#52
Toluene
Concen: 20.09 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 92 Resp: 375774
Ion Ratio Lower Upper
92 100
91 176.3 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 19.57 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

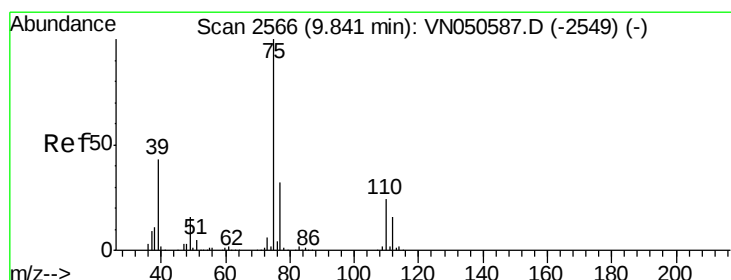
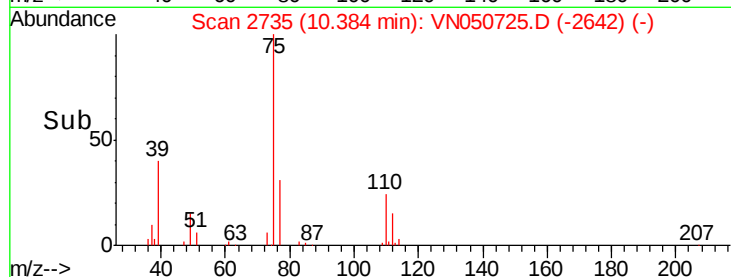
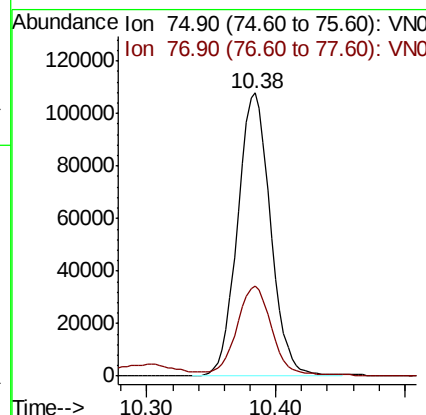
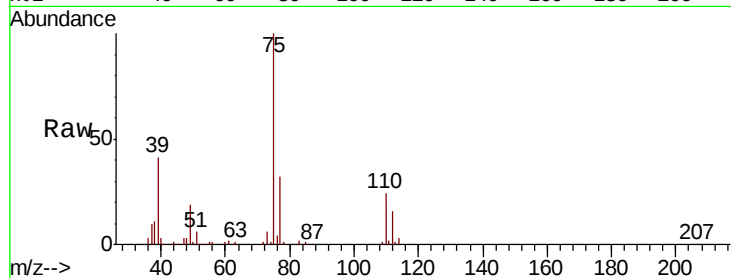
ClientSampled :

Tot Ion: 75 Resp: 191850

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.35 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

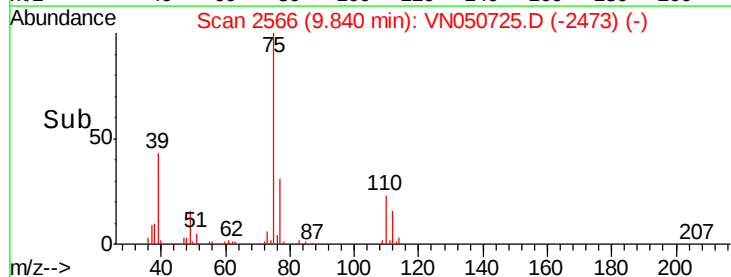
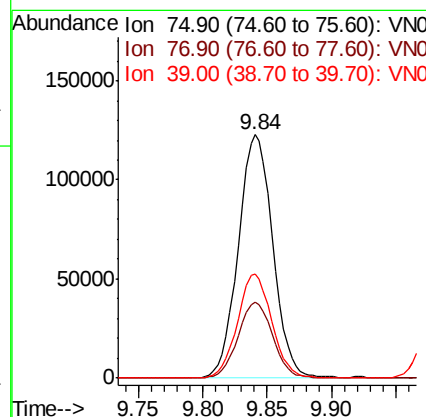
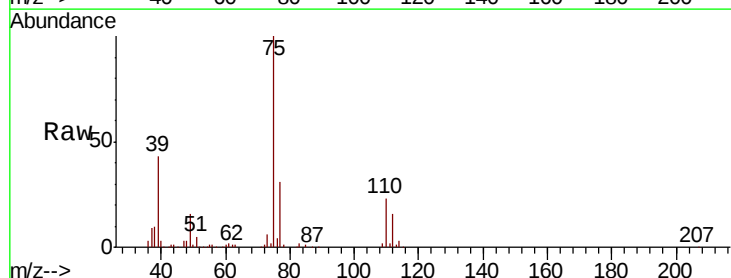
Tgt Ion: 75 Resp: 228831

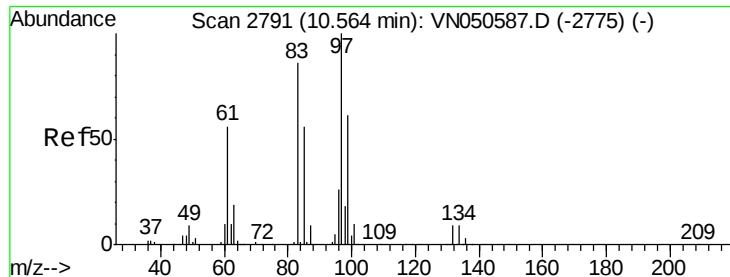
Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4

39 42.7 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 19.67 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 137442

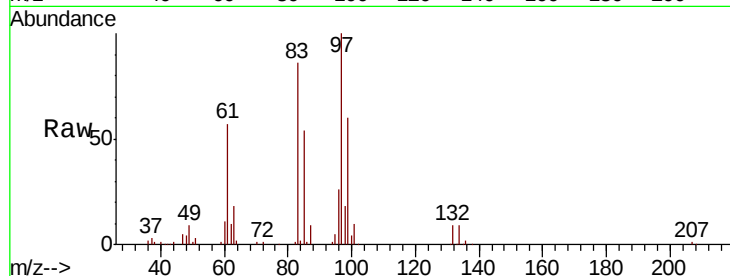
Ion Ratio Lower Upper

97 100

83 86.3 68.5 102.7

85 54.3 44.6 66.8

99 60.3 49.1 73.7



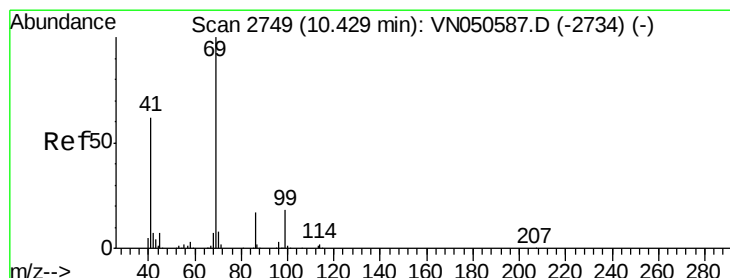
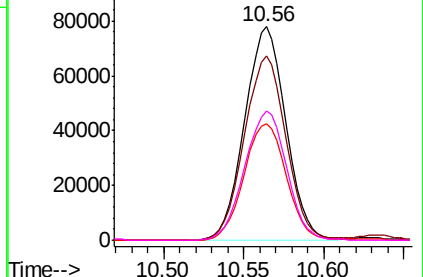
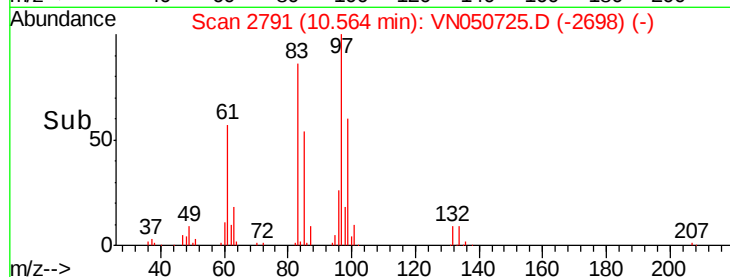
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Time-->



#56

Ethyl methacrylate

Concen: 19.24 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

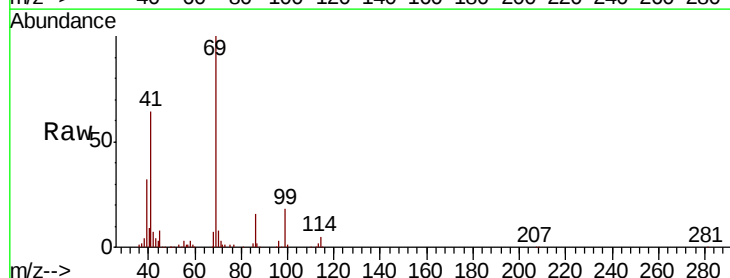
Tgt Ion: 69 Resp: 160602

Ion Ratio Lower Upper

69 100

41 62.4 49.7 74.5

39 30.7 24.2 36.2

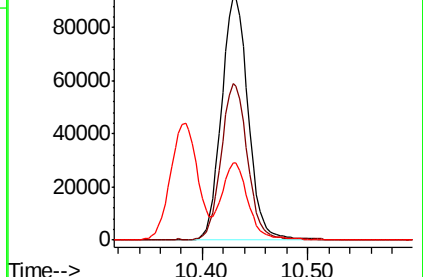
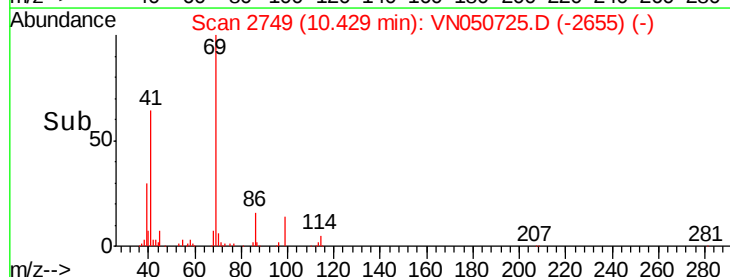


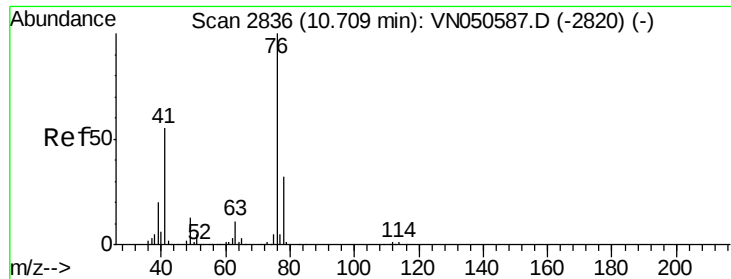
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Time-->

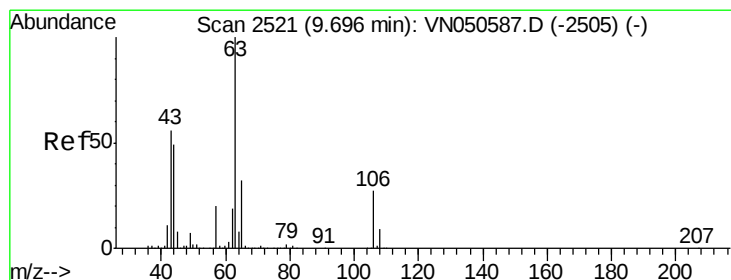
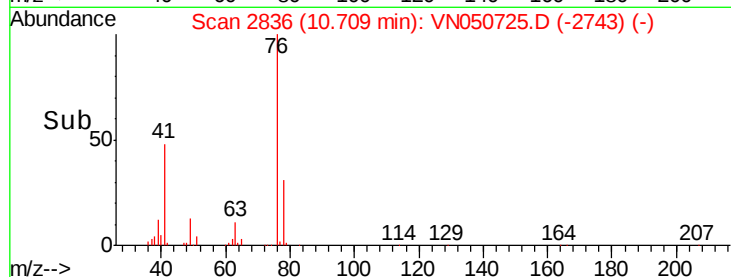
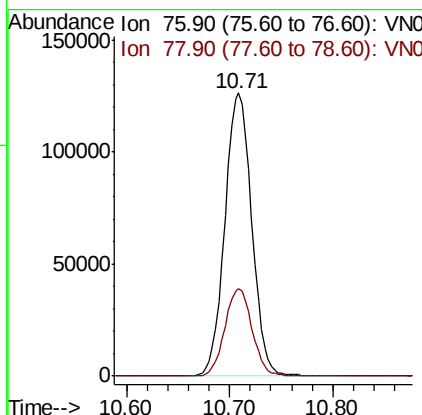
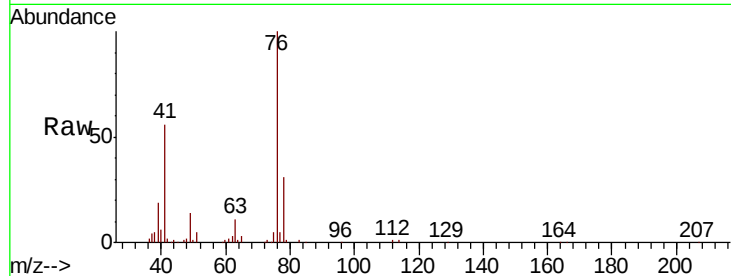




#57
 1,3-Dichloropropane
 Concen: 20.05 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

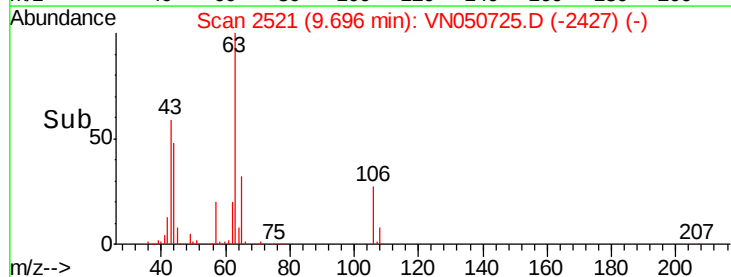
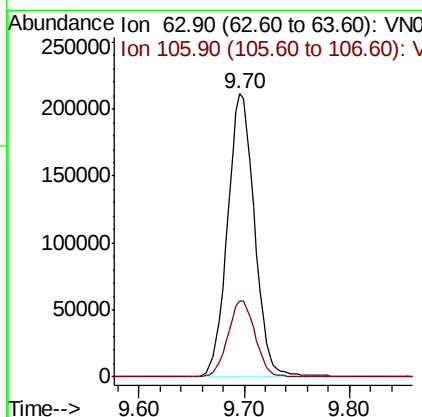
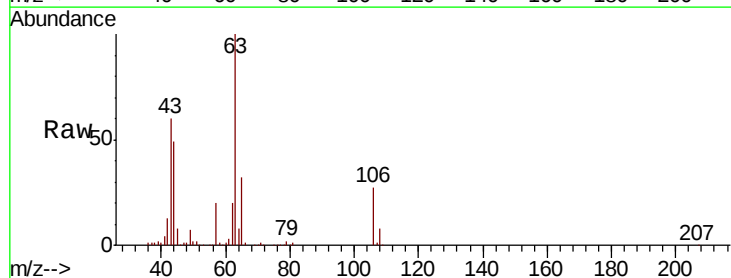
Instrument :
 MSVOA_N
 ClientSampled :

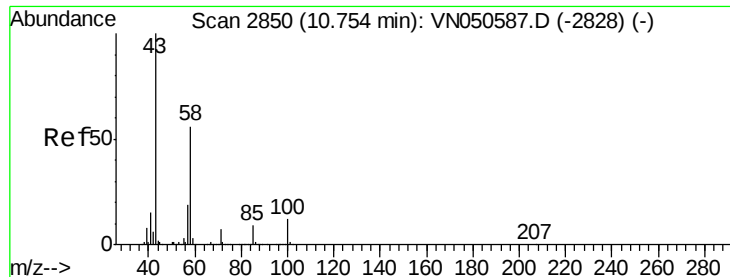
Tot Ion: 76 Resp: 229661
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.45 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 63 Resp: 374339
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5

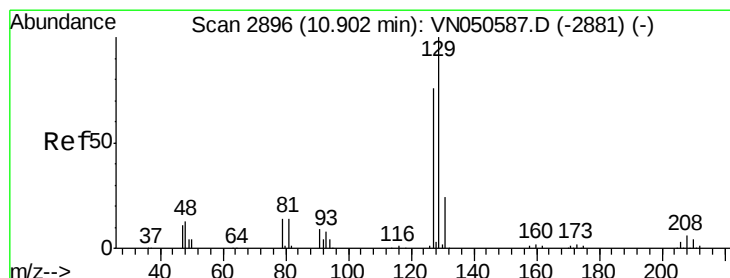
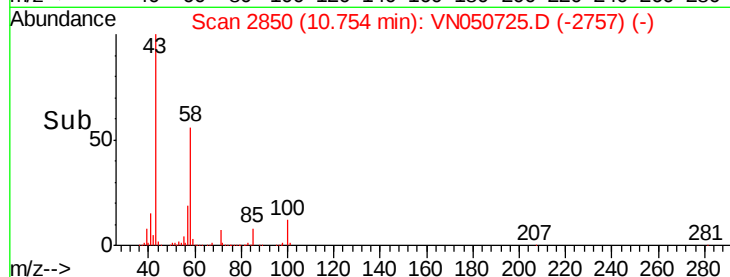
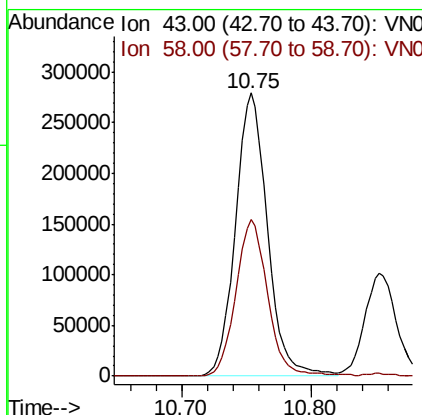
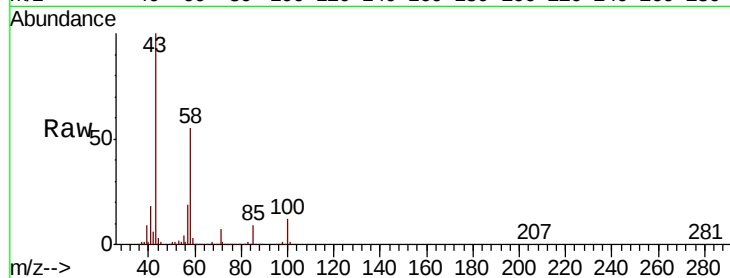




#59
2-Hexanone
Concen: 103.58 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

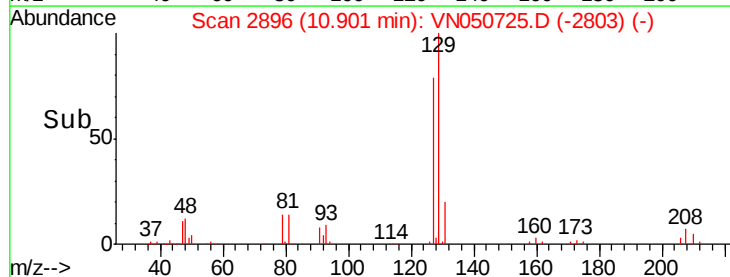
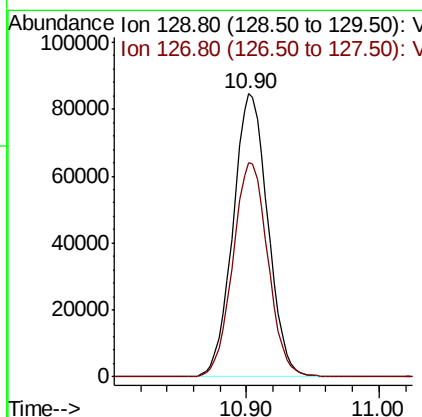
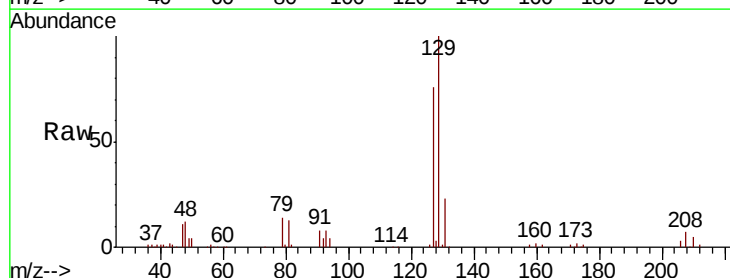
Instrument :
MSVOA_N
ClientSampleId :

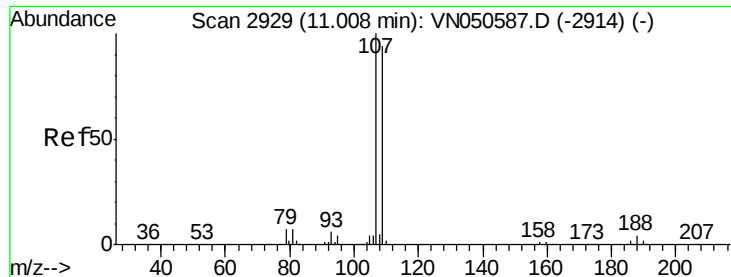
Tot Ion: 43 Resp: 479563
Ion Ratio Lower Upper
43 100
58 55.2 28.0 84.0



#60
Dibromochloromethane
Concen: 19.98 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 129 Resp: 154072
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7

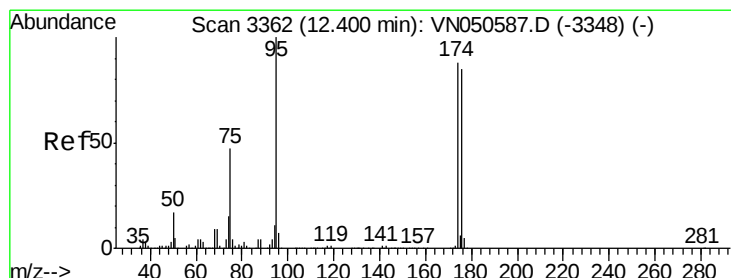
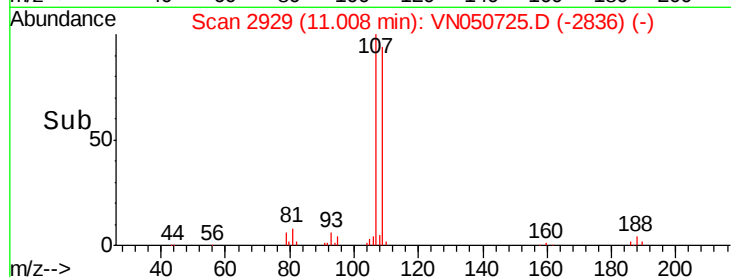
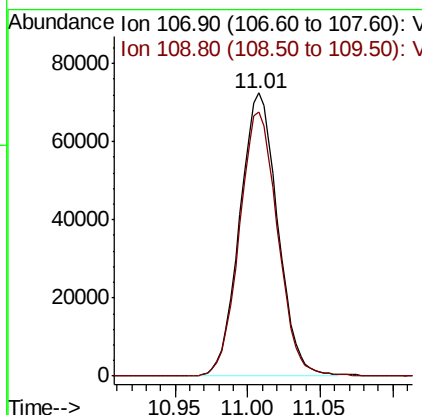
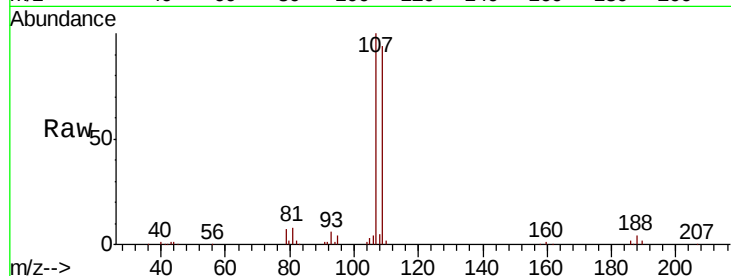




#61
 1,2-Dibromoethane
 Concen: 19.86 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

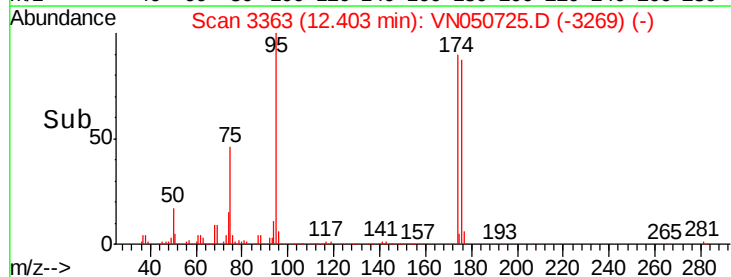
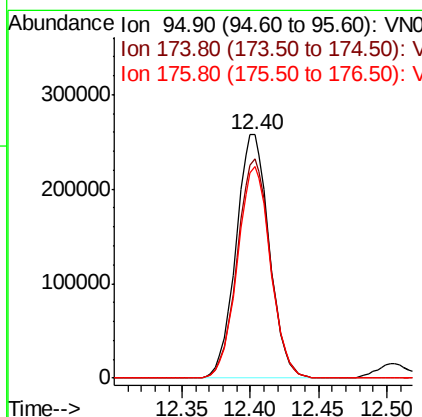
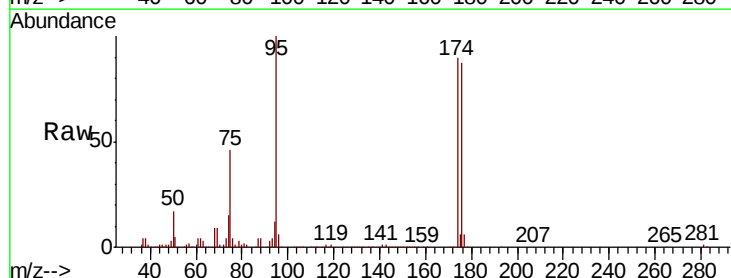
Instrument :
 MSVOA_N
 ClientSampleId :

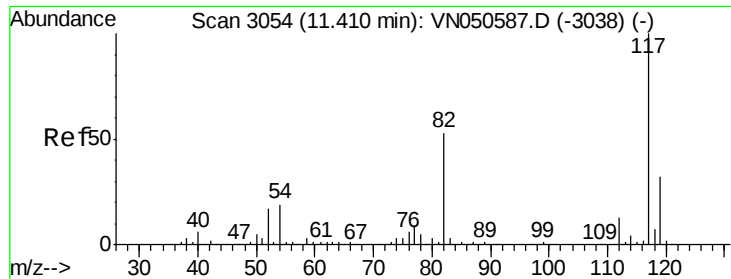
Tot Ion:107 Resp: 132114
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.42 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion: 95 Resp: 435375
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 177.8
 176 86.7 0.0 175.0

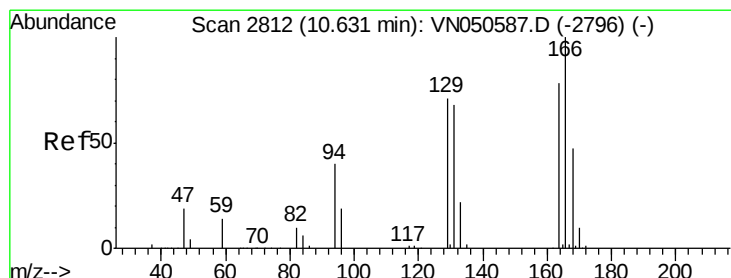
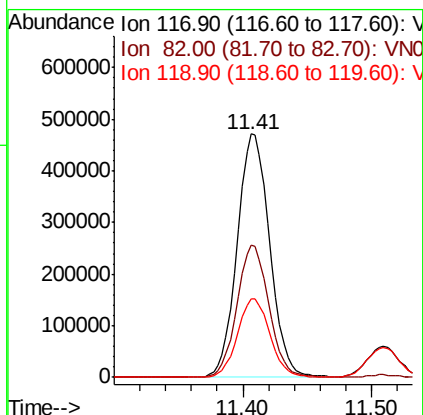
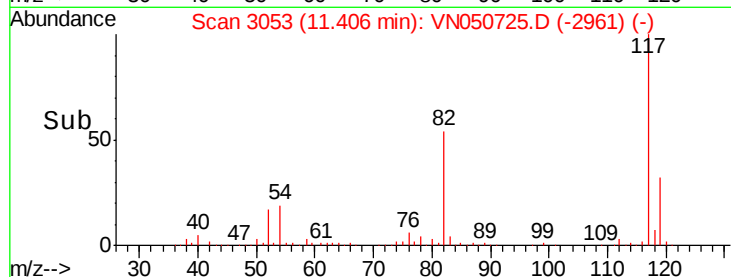
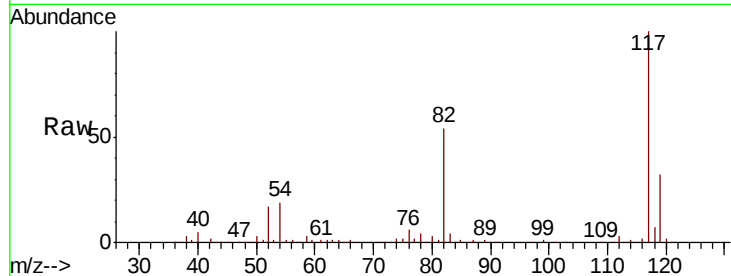




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

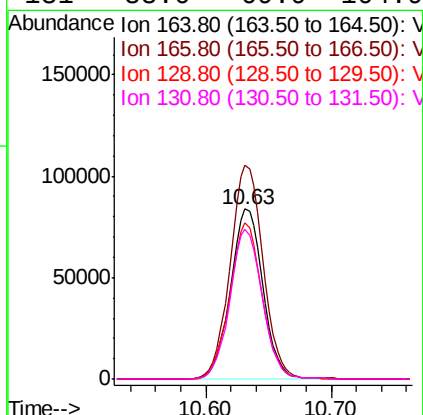
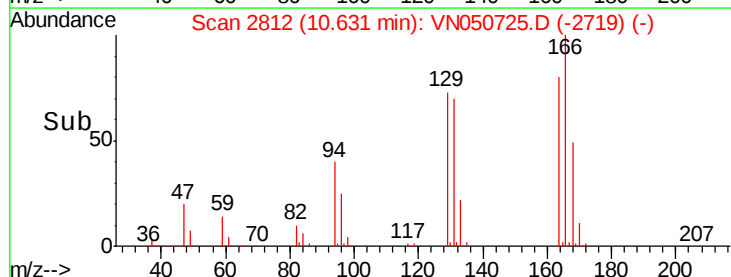
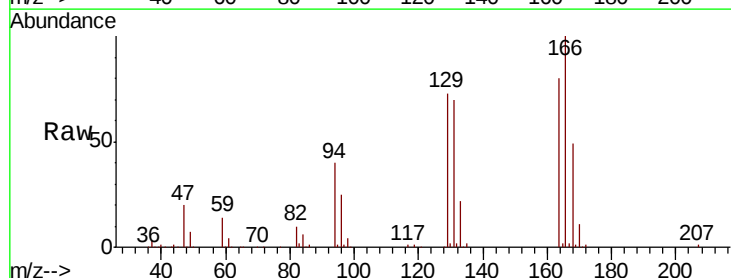
Instrument :
MSVOA_N
ClientSampleId :

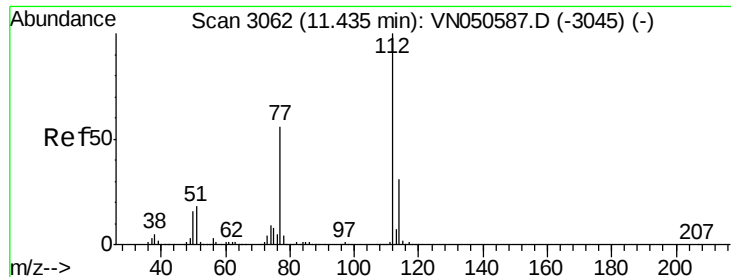
Tot Ion:117 Resp: 827660
Ion Ratio Lower Upper
117 100
82 54.3 42.4 63.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 19.55 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion:164 Resp: 150256
Ion Ratio Lower Upper
164 100
166 125.7 102.1 153.1
129 91.7 72.7 109.1
131 88.0 69.9 104.9

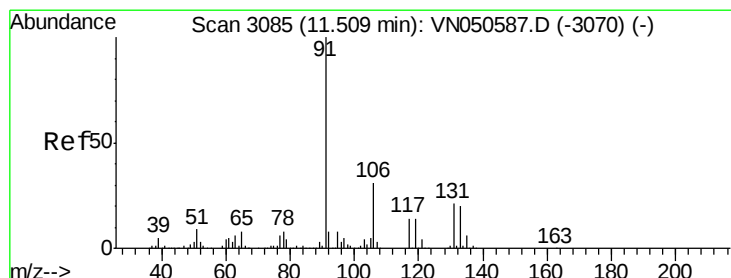
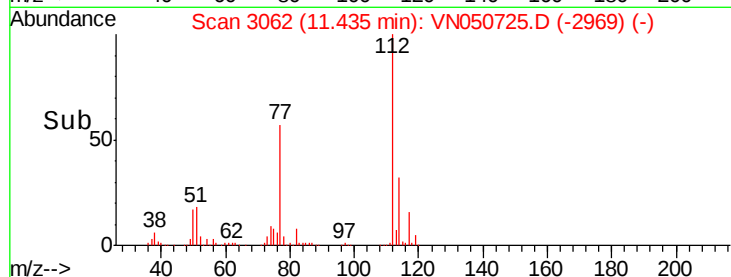
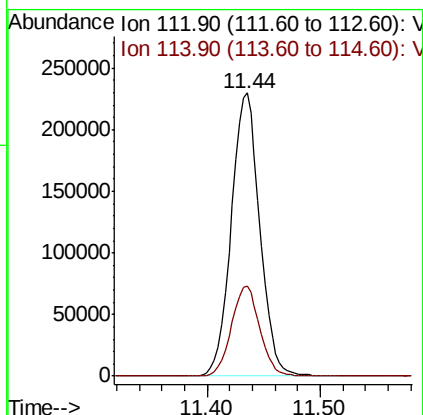
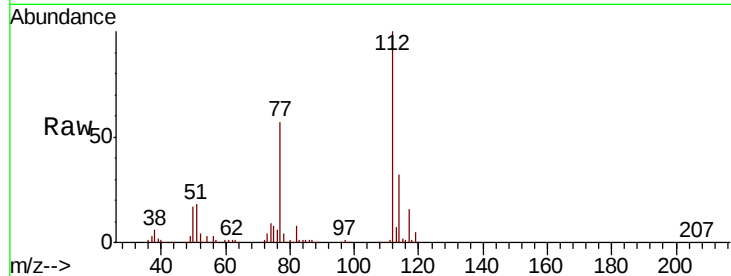




#65
Chlorobenzene
Concen: 19.53 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

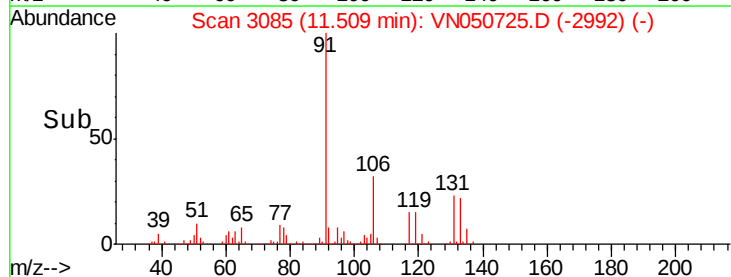
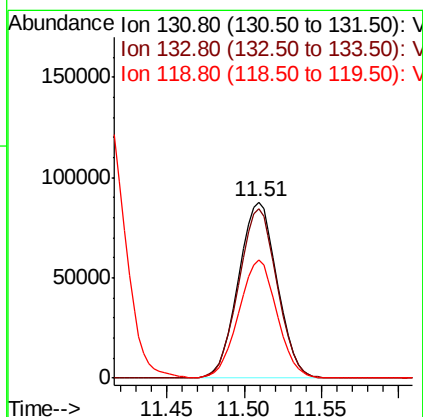
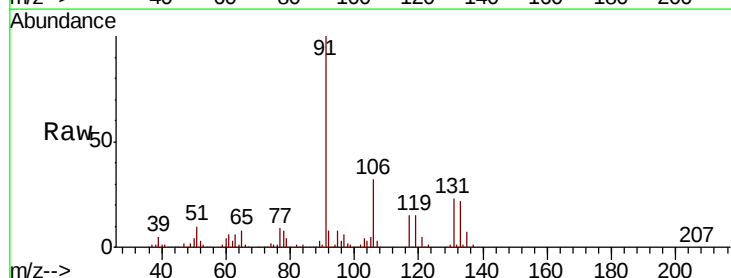
Instrument :
MSVOA_N
ClientSampleId :

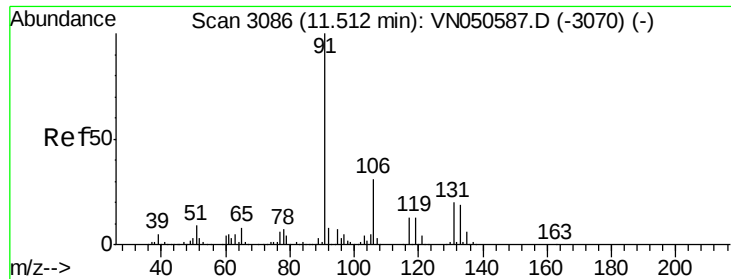
Tot Ion:112 Resp: 402241
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.78 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion:131 Resp: 152753
Ion Ratio Lower Upper
131 100
133 95.8 47.6 142.9
119 66.3 33.1 99.3

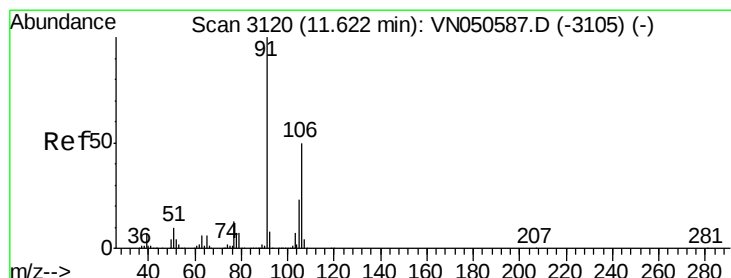
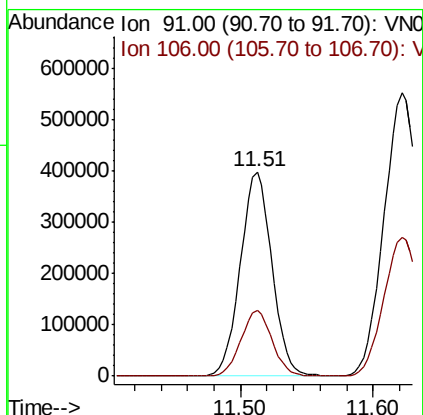
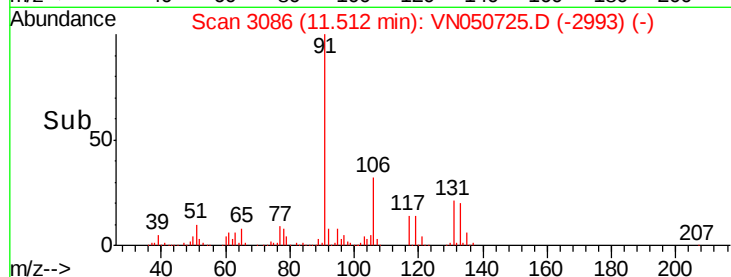
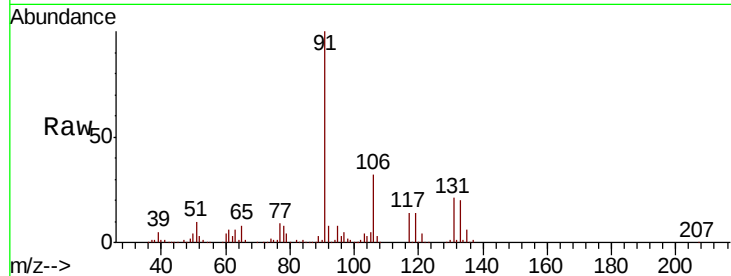




#67
Ethyl Benzene
Concen: 19.79 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

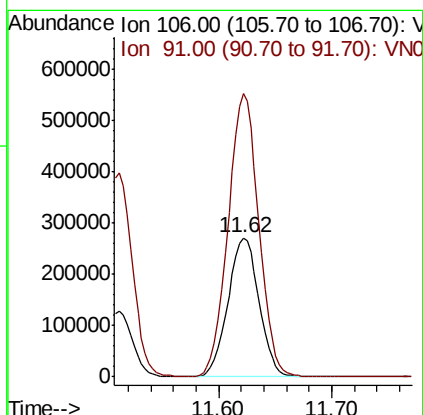
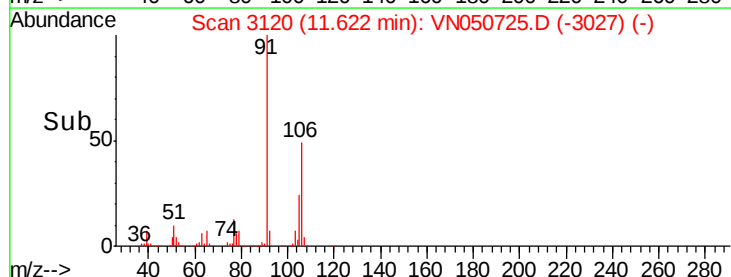
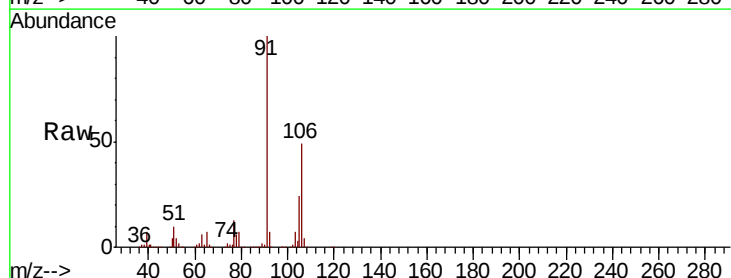
Instrument :
MSVOA_N
ClientSampled :

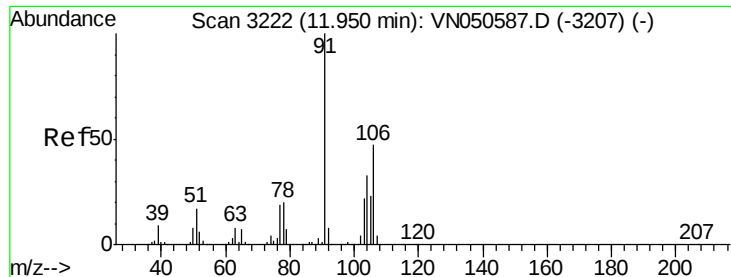
Tot Ion: 91 Resp: 658253
Ion Ratio Lower Upper
91 100
106 32.0 24.8 37.2



#68
m/p-Xylenes
Concen: 40.69 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion: 106 Resp: 517604
Ion Ratio Lower Upper
106 100
91 200.6 161.5 242.3

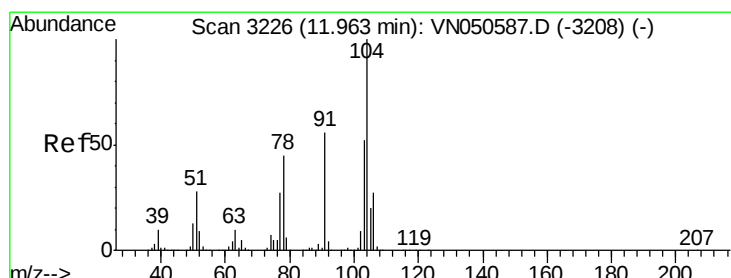
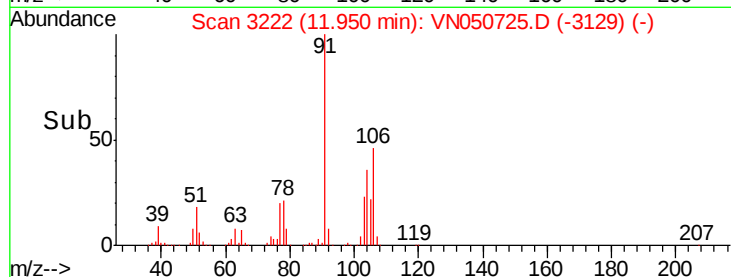
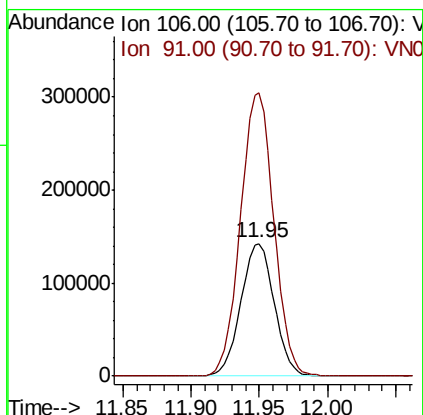
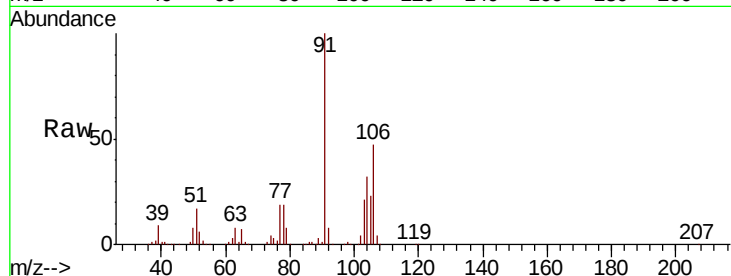




#69
o-Xylene
Concen: 19.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

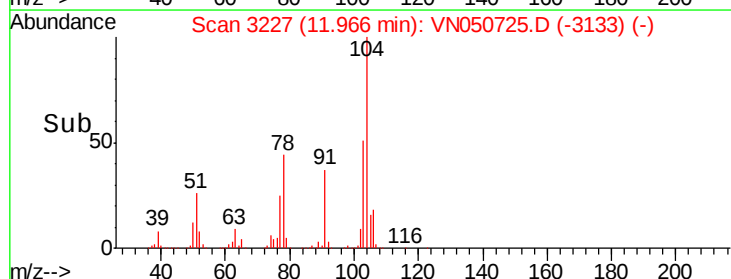
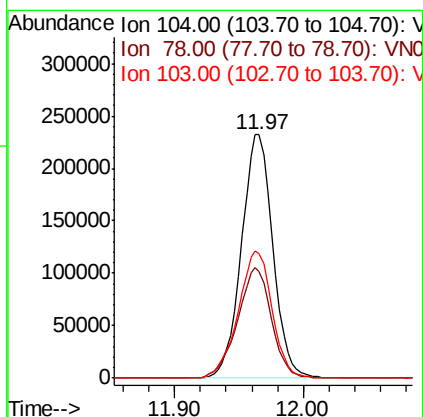
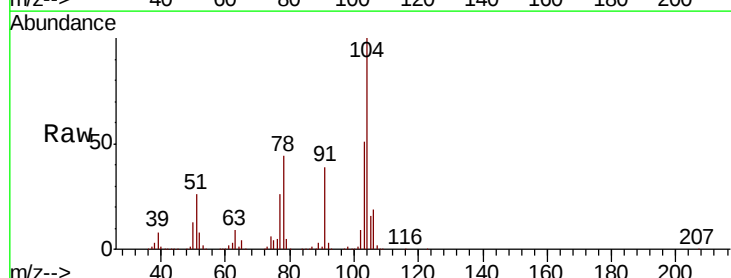
Instrument :
MSVOA_N
ClientSampled :

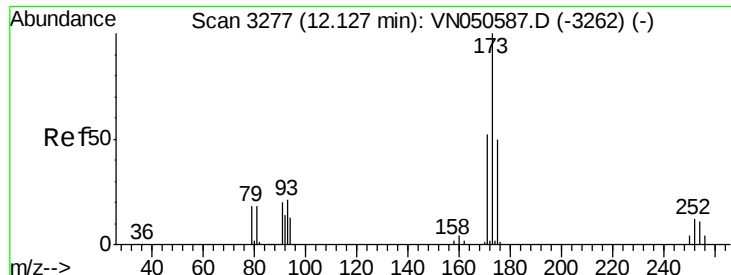
Tot Ion:106 Resp: 242237
Ion Ratio Lower Upper
106 100
91 213.6 106.8 320.4



#70
Styrene
Concen: 18.85 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion:104 Resp: 393708
Ion Ratio Lower Upper
104 100
78 48.9 39.1 58.7
103 56.2 44.9 67.3





#71

Bromoform

Concen: 19.67 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

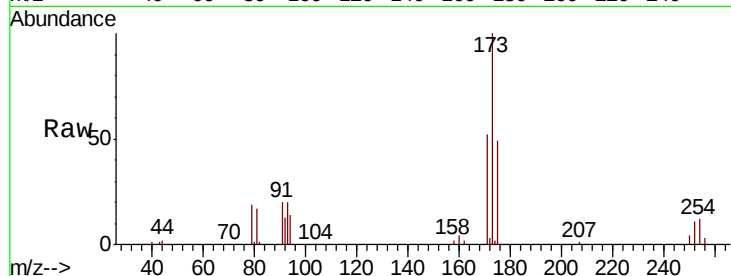
Tot Ion:173 Resp: 100700

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.2

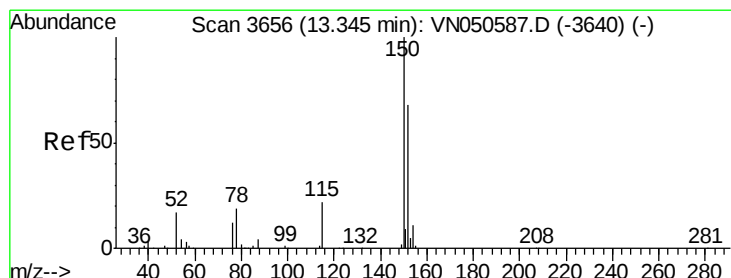
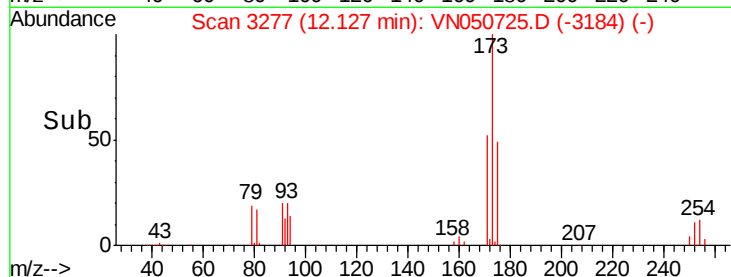
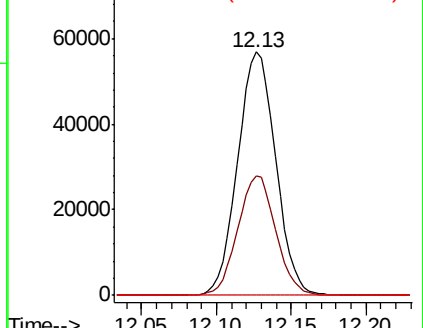
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

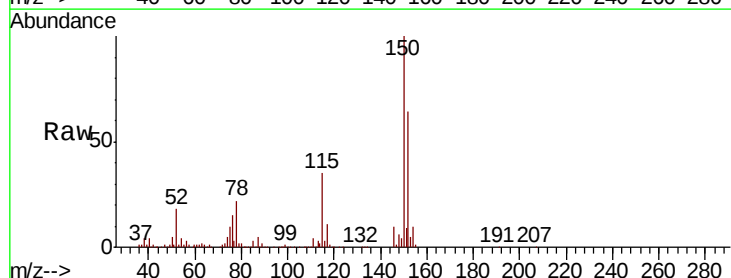
Tgt Ion:152 Resp: 399350

Ion Ratio Lower Upper

152 100

115 55.4 28.1 84.2

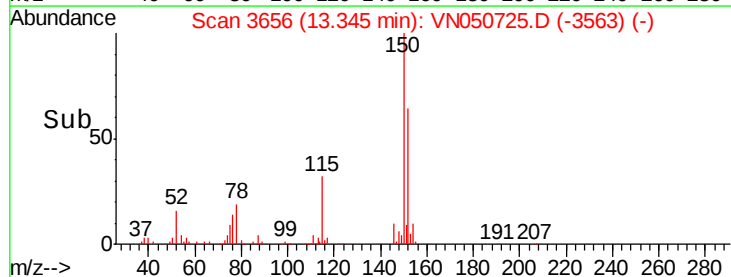
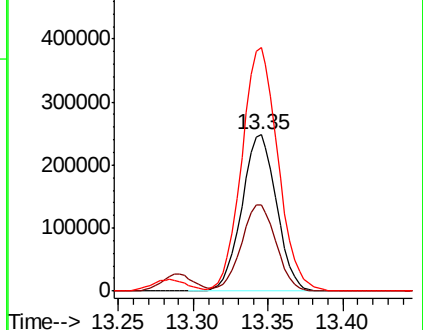
150 163.2 0.0 347.8

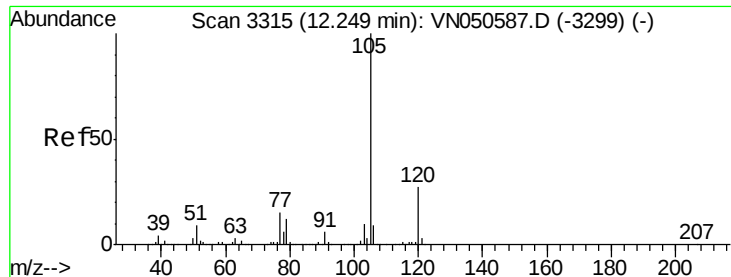


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.78 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

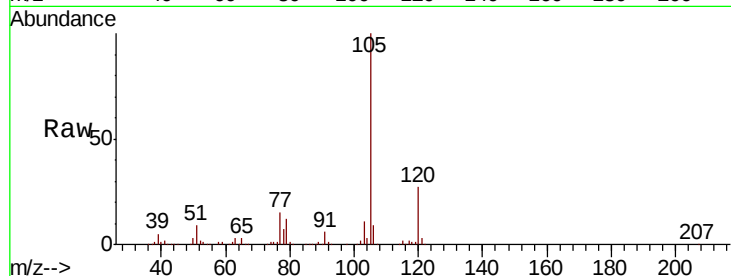
ClientSampled :

Tot Ion:105 Resp: 648242

Ion Ratio Lower Upper

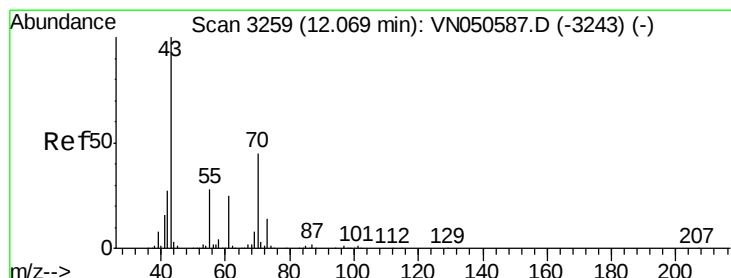
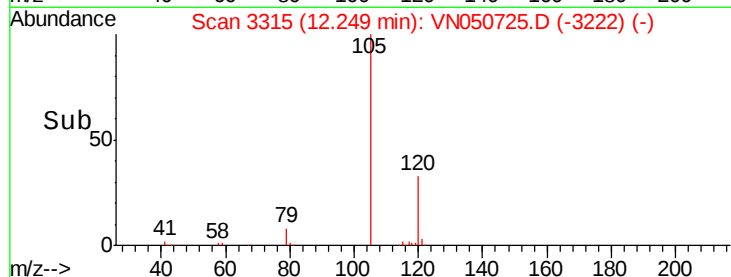
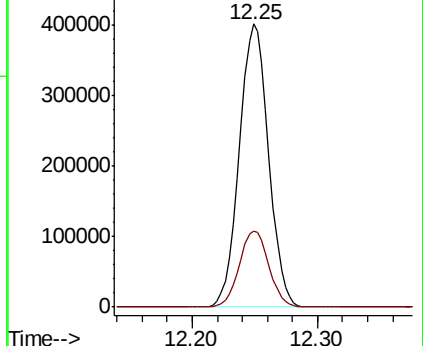
105 100

120 27.1 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: 20.19 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Tgt Ion: 43 Resp: 163932

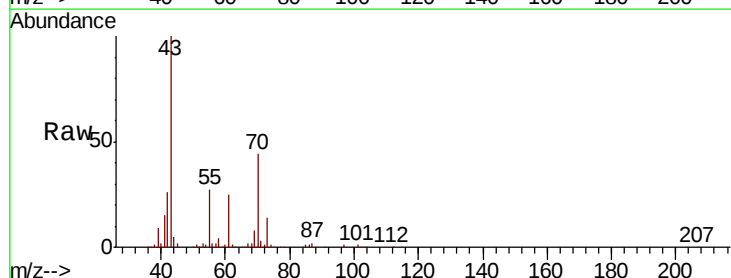
Ion Ratio Lower Upper

43 100

70 44.3 35.9 53.9

55 27.3 22.2 33.4

61 24.4 20.0 30.0

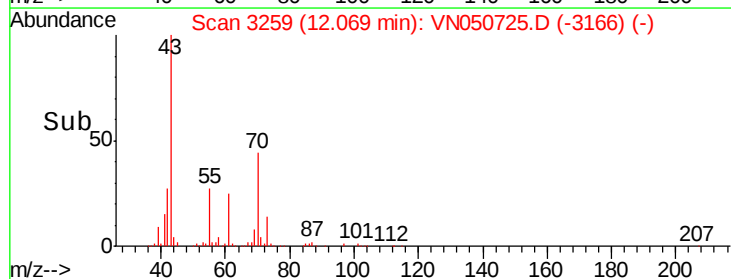
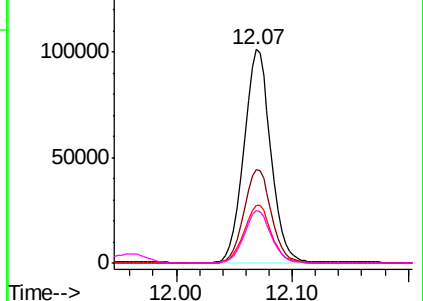


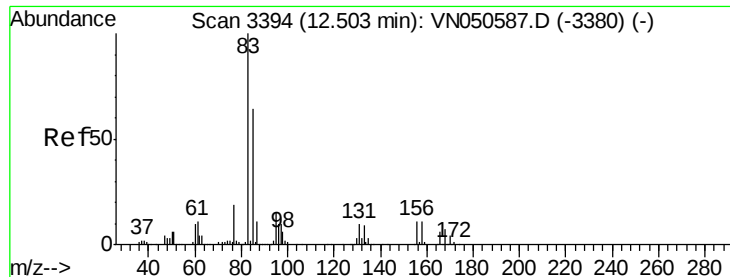
Abundance Ion 43.00 (42.70 to 43.70): V

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: 22.03 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

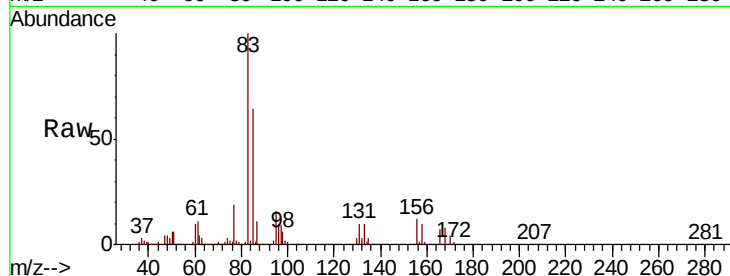
Tot Ion: 83 Resp: 169021

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.9

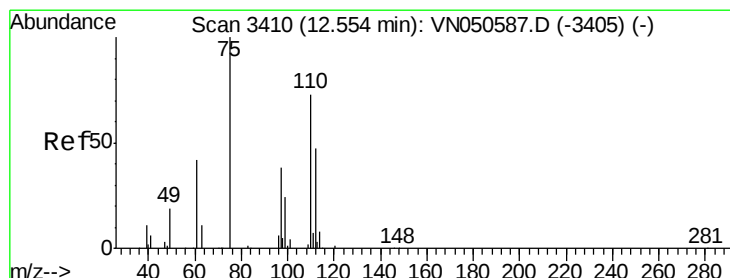
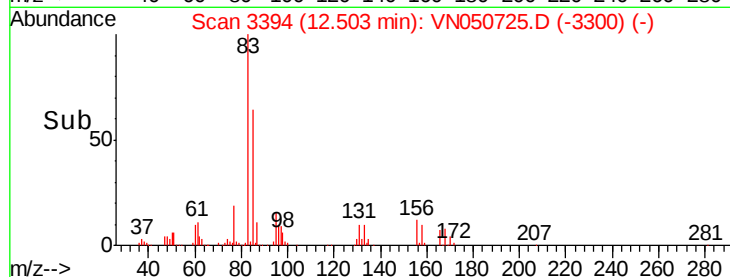
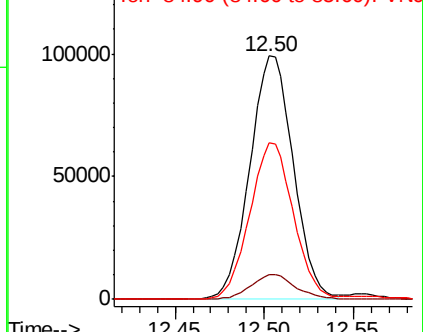
85 64.4 32.1 96.5



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: 29.63 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050725.D

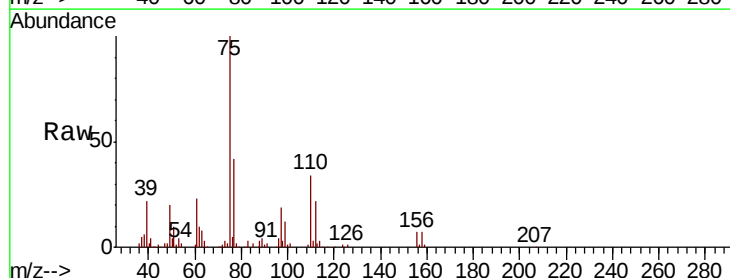
Acq: 17 Aug 2018 13:09

Tgt Ion: 75 Resp: 193852

Ion Ratio Lower Upper

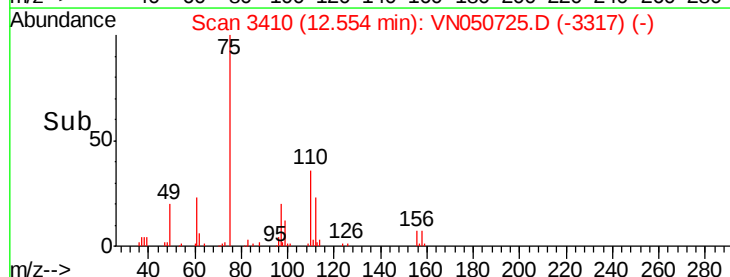
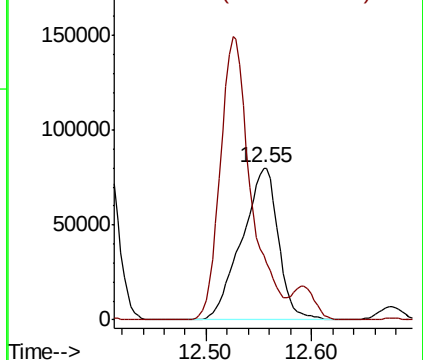
75 100

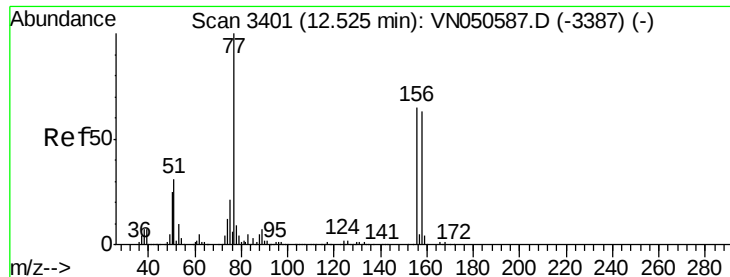
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.77 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

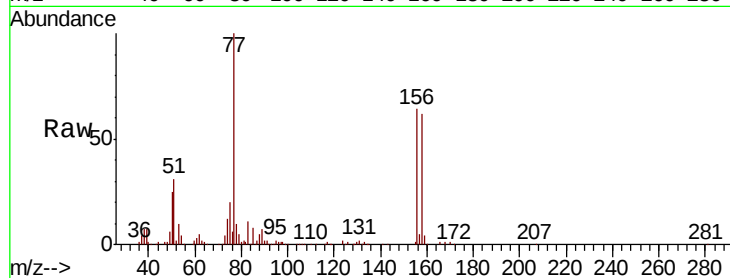
Tot Ion:156 Resp: 167511

Ion Ratio Lower Upper

156 100

77 180.2 89.0 267.1

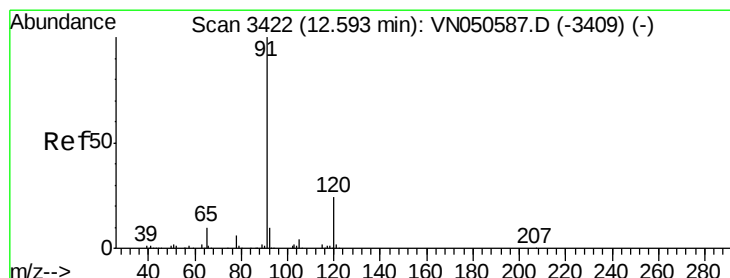
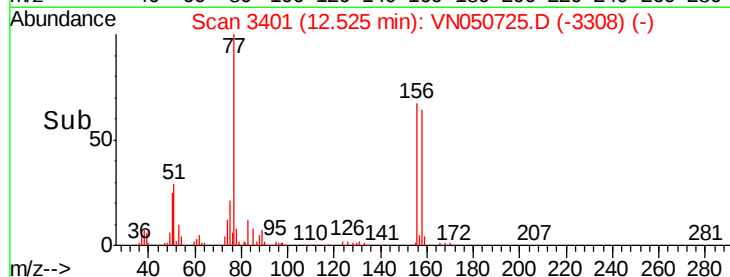
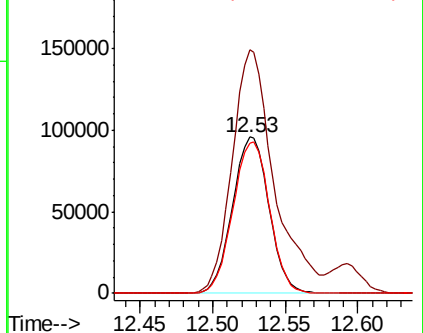
158 97.4 48.5 145.6



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: 20.96 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050725.D

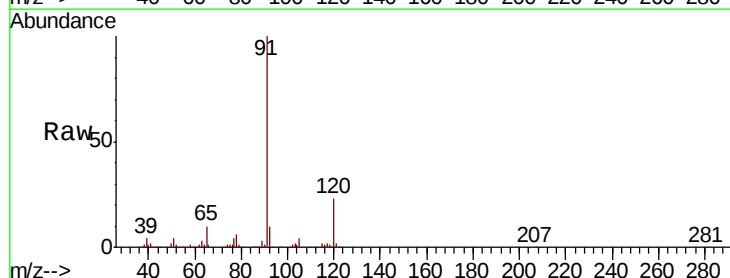
Acq: 17 Aug 2018 13:09

Tgt Ion: 91 Resp: 729252

Ion Ratio Lower Upper

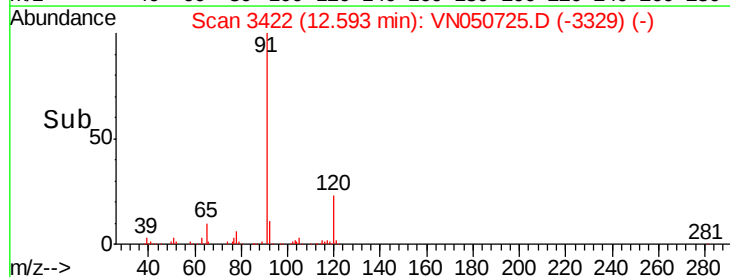
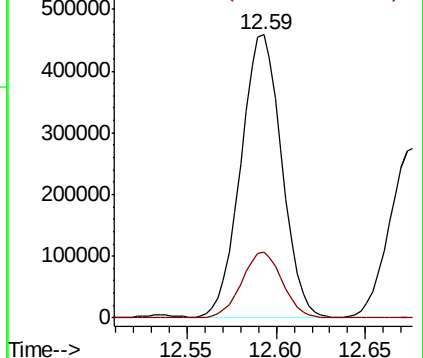
91 100

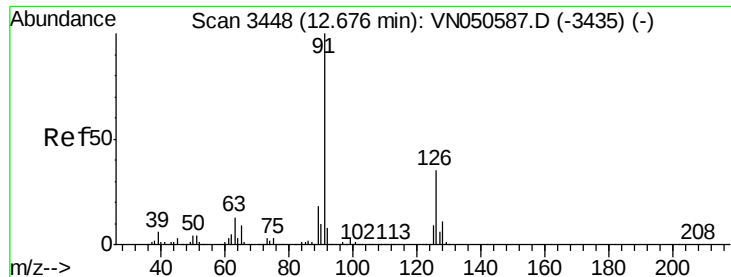
120 23.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.69 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

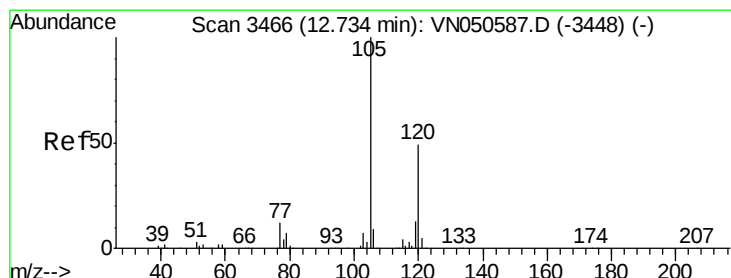
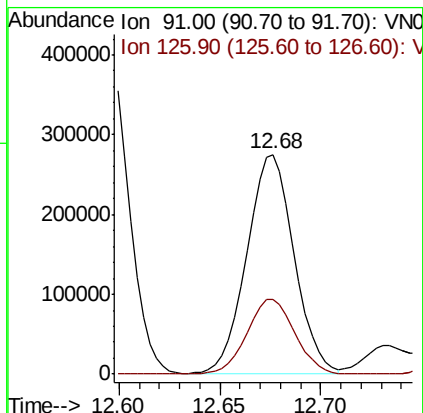
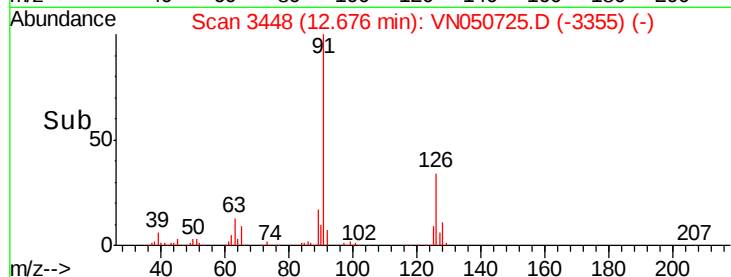
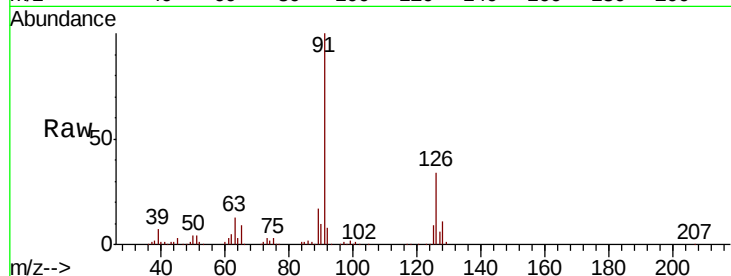
ClientSampled :

Tot Ion: 91 Resp: 448806

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.23 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050725.D

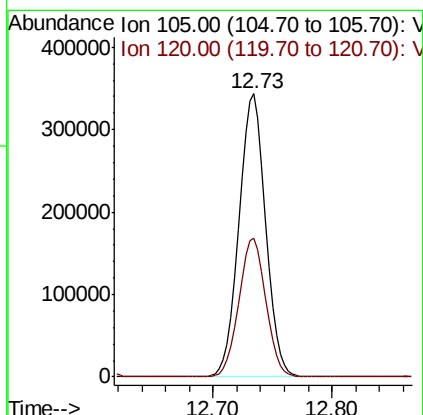
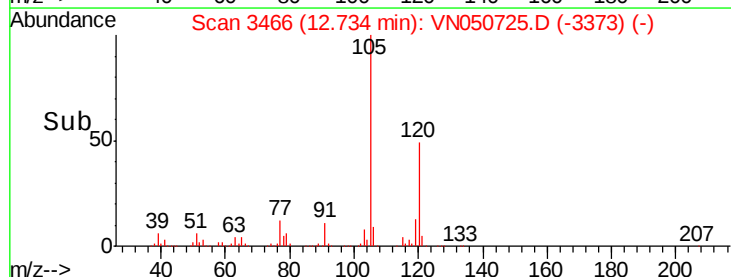
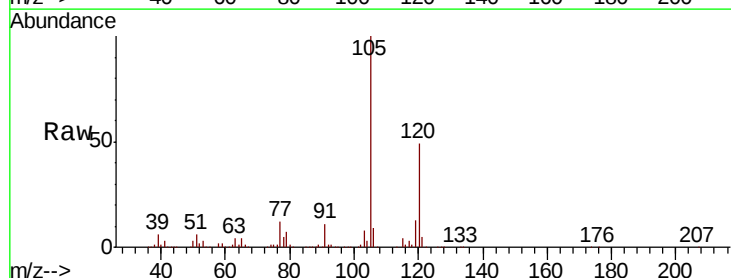
Acq: 17 Aug 2018 13:09

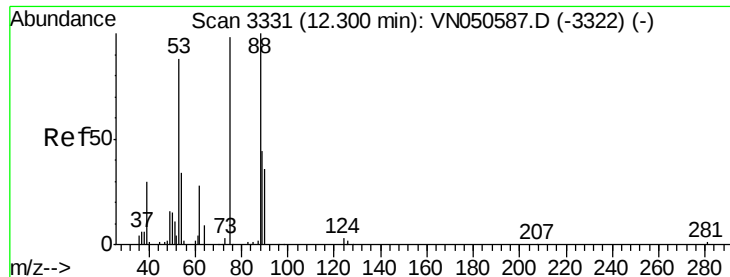
Tgt Ion:105 Resp: 530373

Ion Ratio Lower Upper

105 100

120 49.7 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 21.67 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

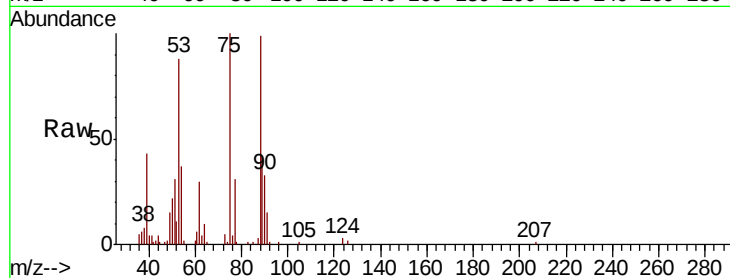
Tot Ion: 75 Resp: 38922

Ion Ratio Lower Upper

75 100

53 87.4 72.2 108.2

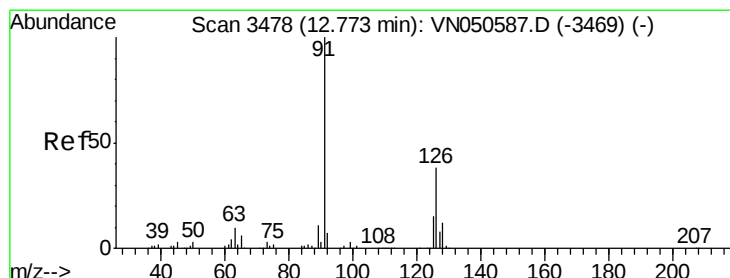
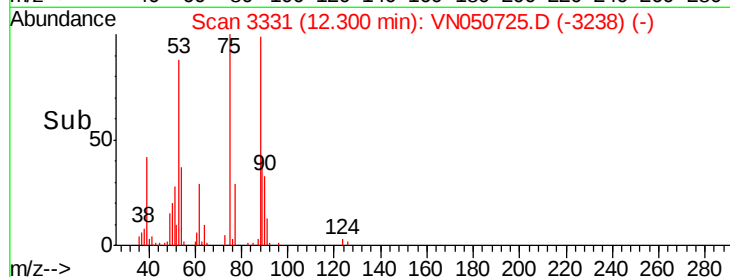
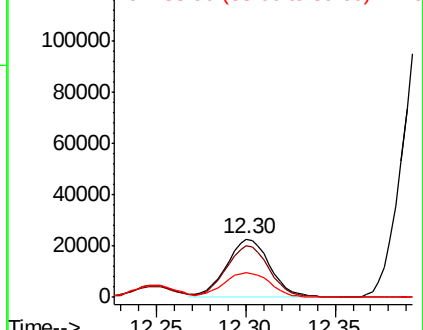
89 44.5 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.68 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050725.D

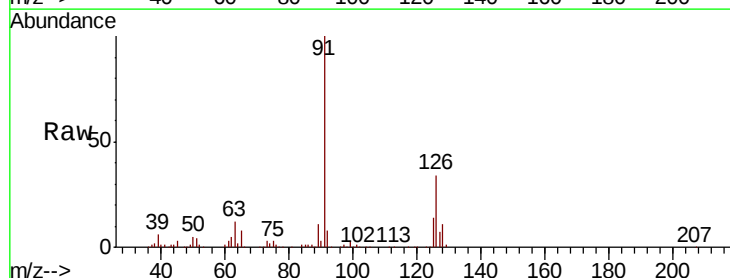
Acq: 17 Aug 2018 13:09

Tgt Ion: 91 Resp: 443394

Ion Ratio Lower Upper

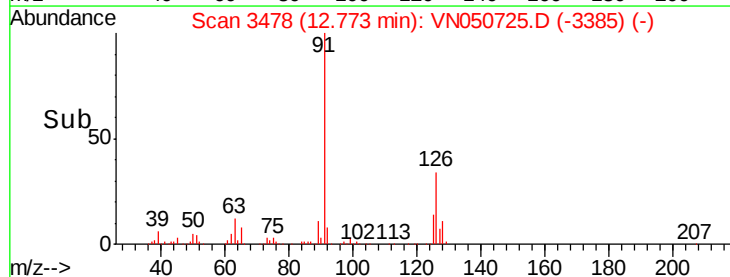
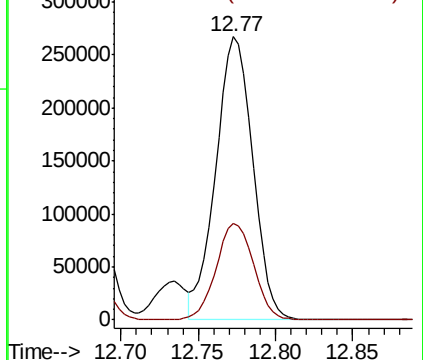
91 100

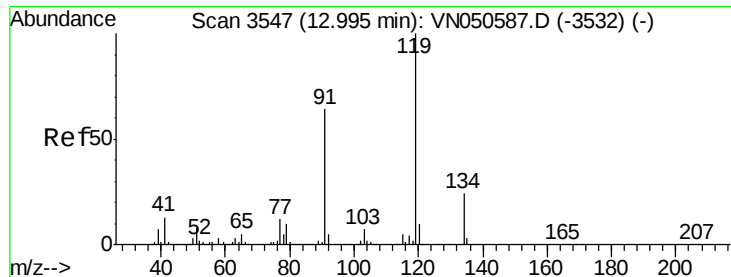
126 34.6 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

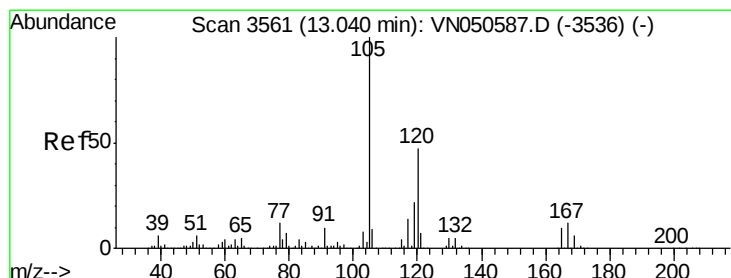
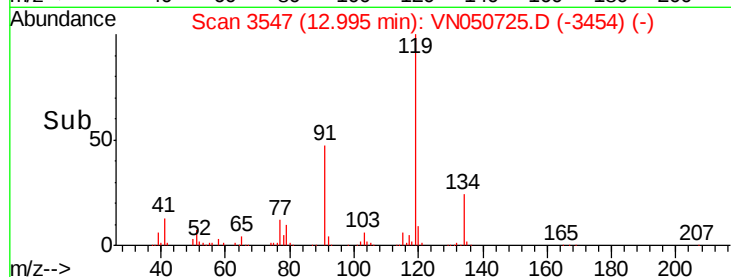
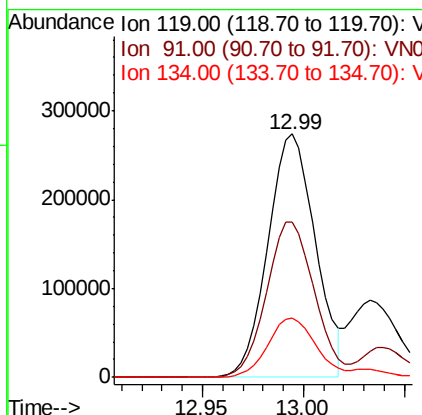
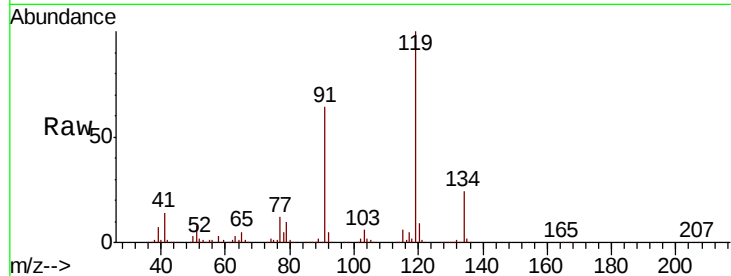




#83
 tert-Butylbenzene
 Concen: 20.60 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

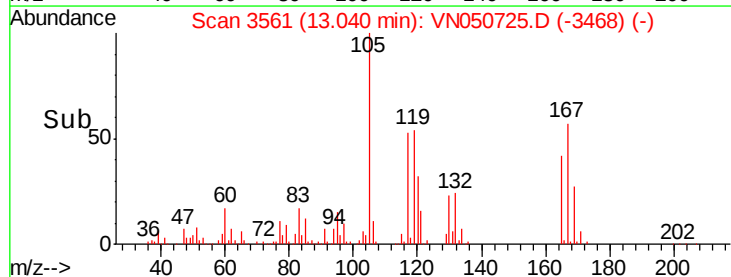
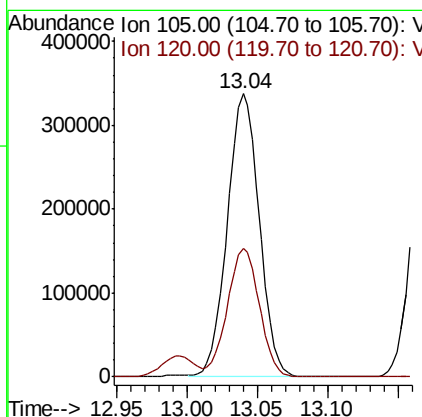
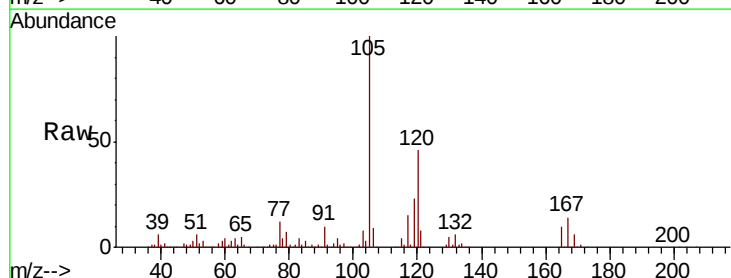
Instrument :
 MSVOA_N
 ClientSampleId :

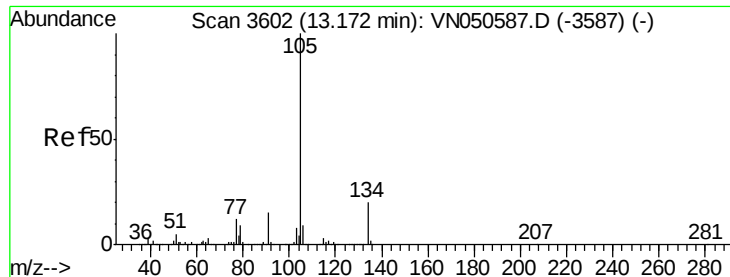
Tot Ion:119 Resp: 446676
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.2 96.6
 134 24.8 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.32 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion:105 Resp: 534632
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.2 69.5





#85

sec-Butylbenzene

Concen: 20.99 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

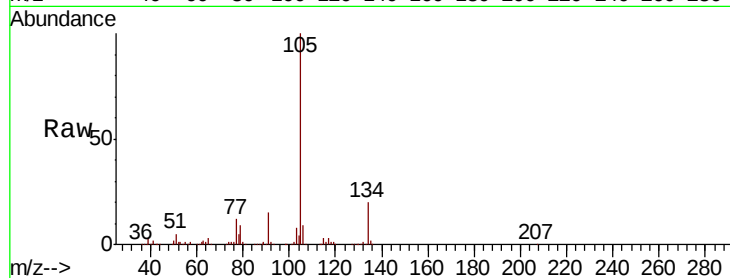
ClientSampleId :

Tot Ion:105 Resp: 594788

Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

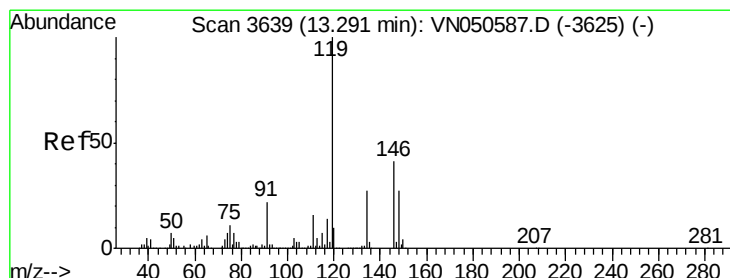
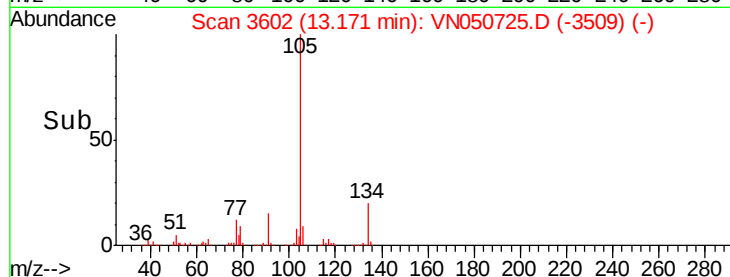
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.01 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

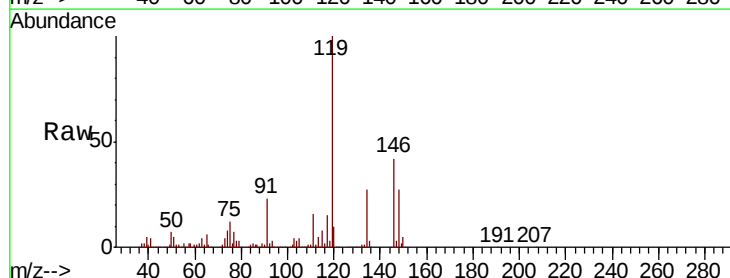
Tgt Ion:119 Resp: 504449

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.4 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

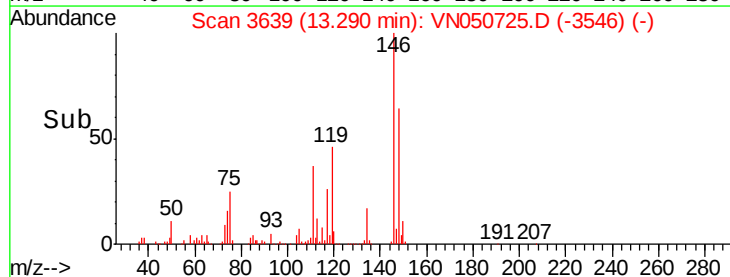
300000

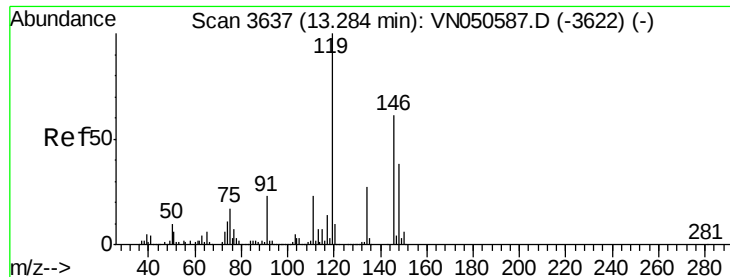
200000

100000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 19.87 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampled :

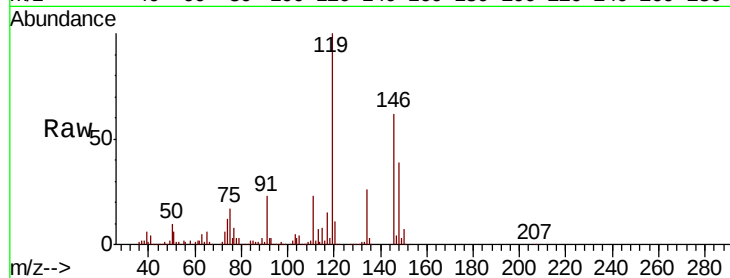
Tot Ion:146 Resp: 286486

Ion Ratio Lower Upper

146 100

111 37.5 19.2 57.6

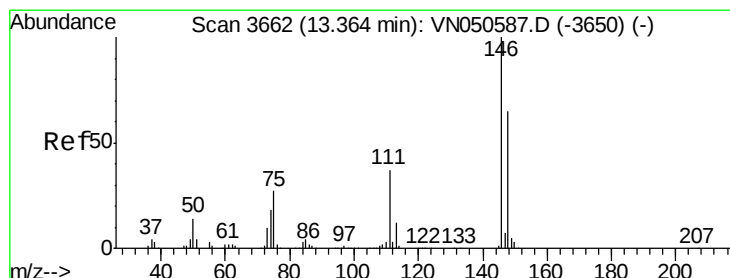
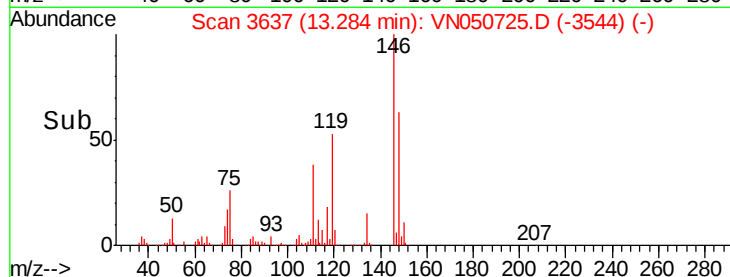
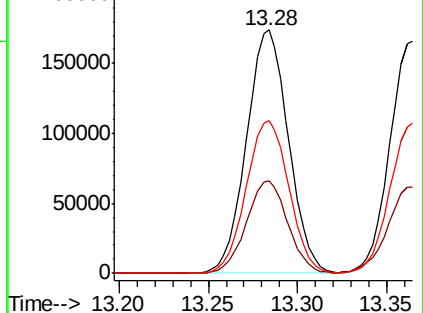
148 63.8 31.9 95.7



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: 19.13 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

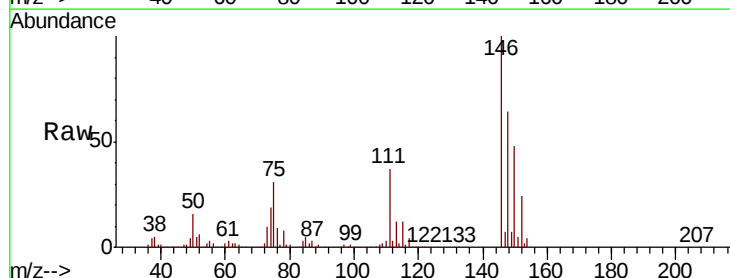
Tgt Ion:146 Resp: 273779

Ion Ratio Lower Upper

146 100

111 38.6 18.8 56.4

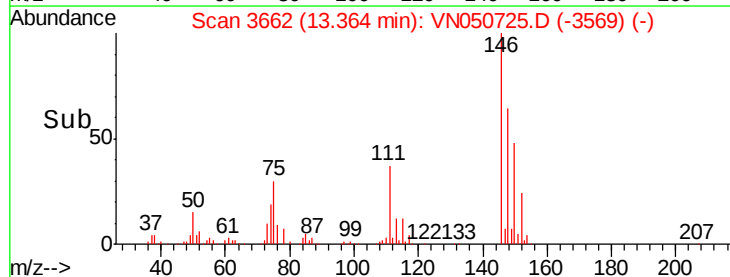
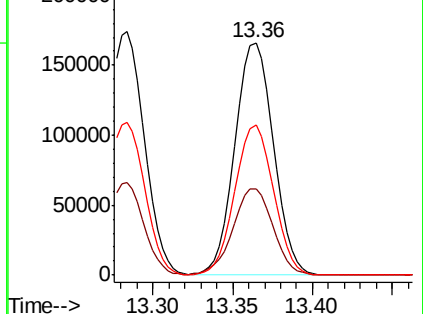
148 64.5 32.3 96.8

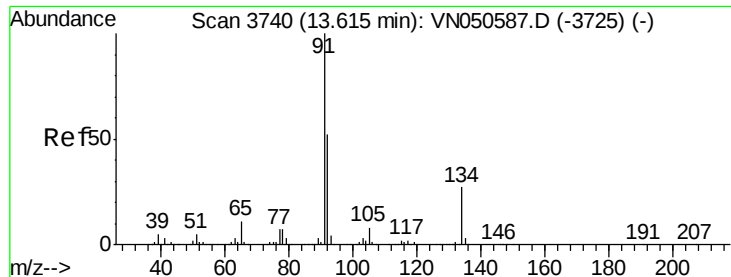


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

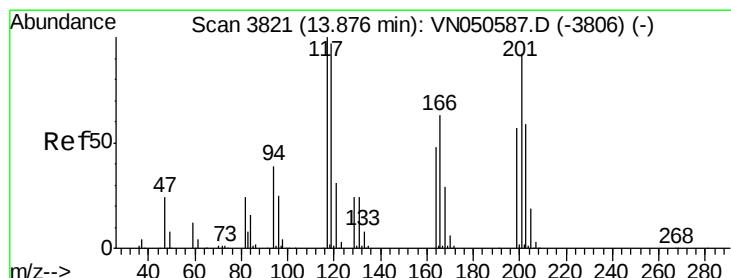
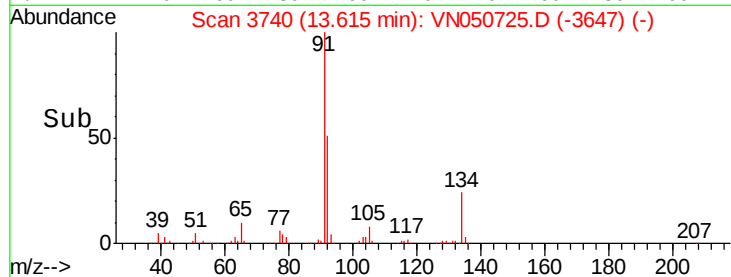
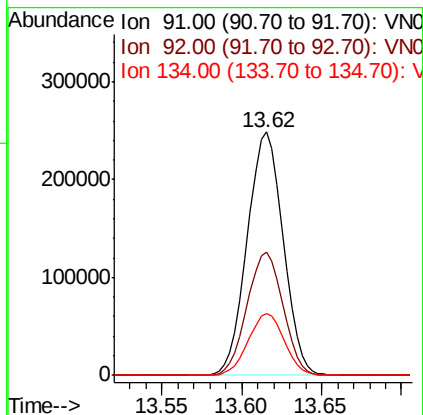
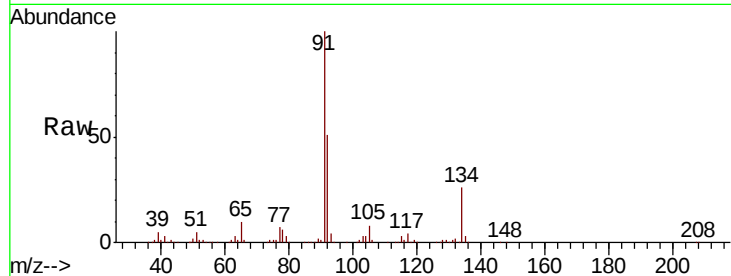




#89
n-Butylbenzene
Concen: 19.71 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

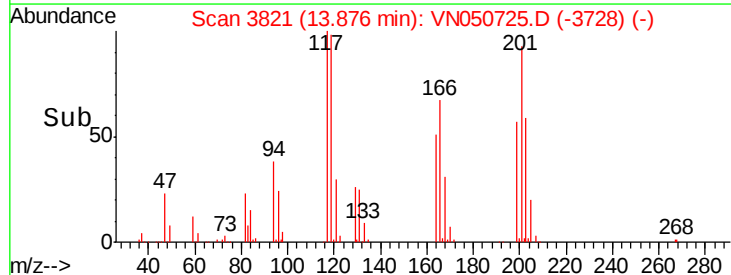
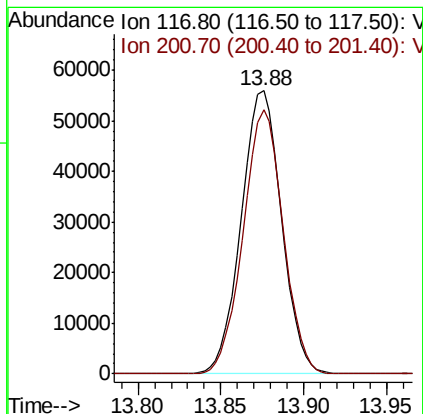
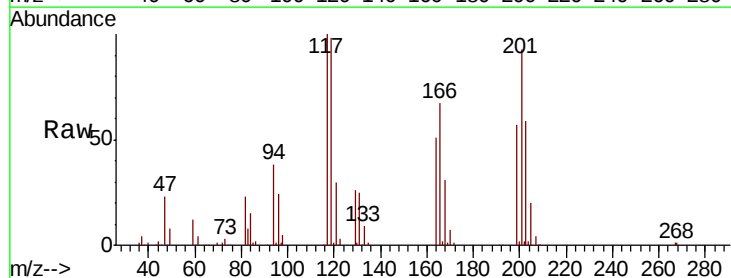
Instrument :
MSVOA_N
ClientSampleId :

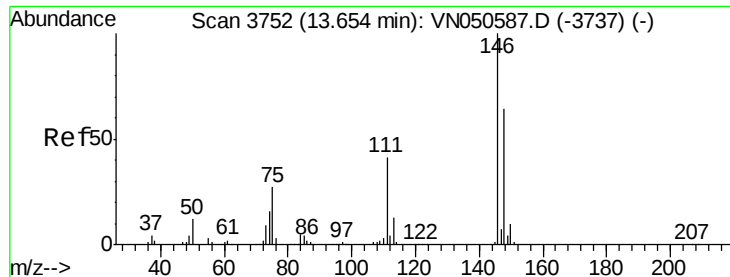
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.3	78.8
134	25.5	13.3	39.9



#90
Hexachloroethane
Concen: 19.59 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050725.D
Acq: 17 Aug 2018 13:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	45.5	136.5





#91

1,2-Dichlorobenzene

Concen: 19.88 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

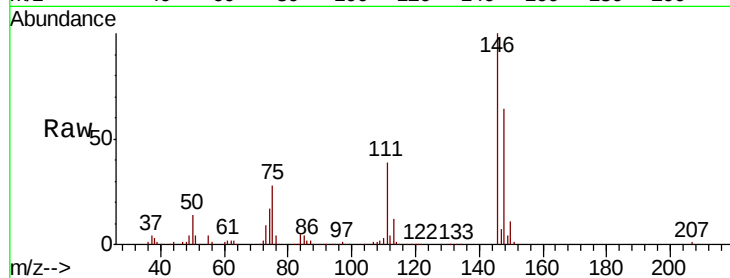
Tot Ion:146 Resp: 279690

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.4

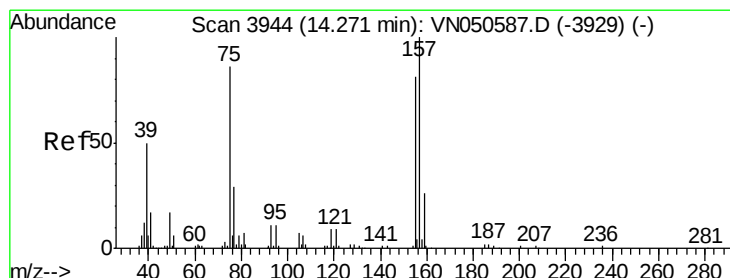
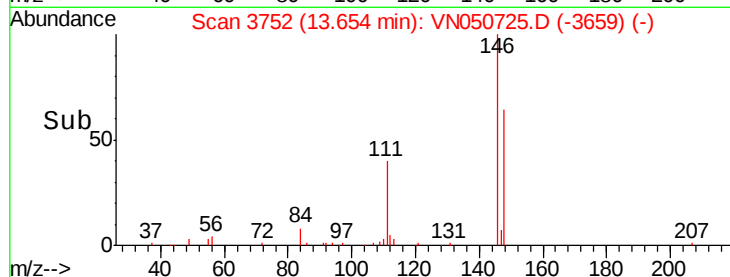
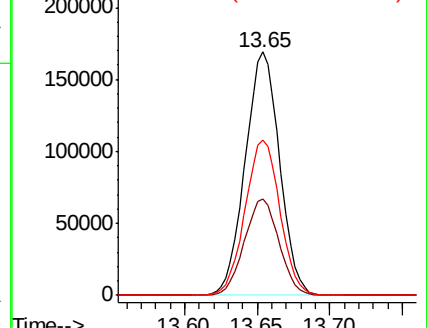
148 64.5 32.3 96.8



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: 20.20 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

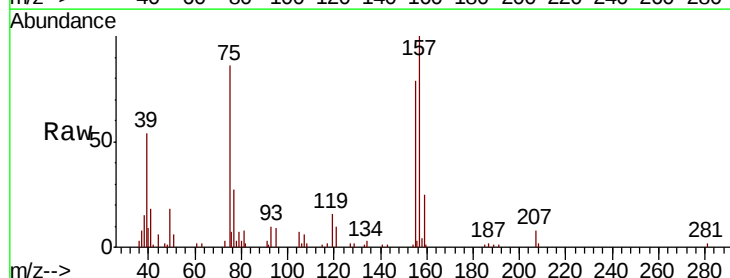
Tgt Ion: 75 Resp: 22493

Ion Ratio Lower Upper

75 100

155 91.5 46.6 139.8

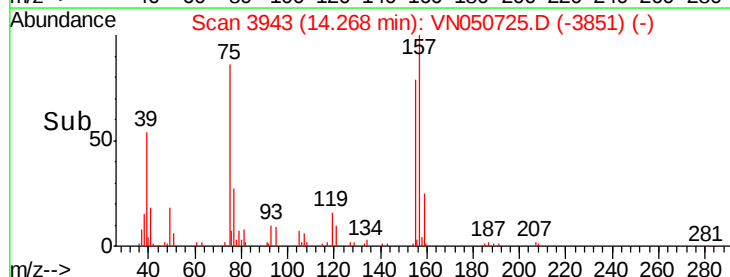
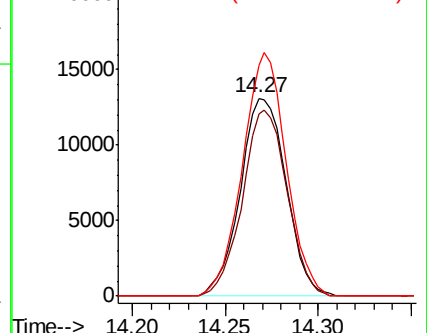
157 117.1 58.1 174.2

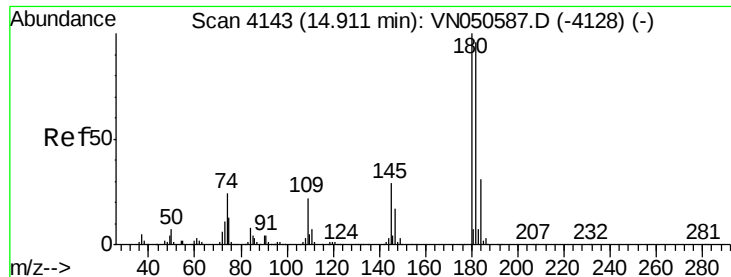


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

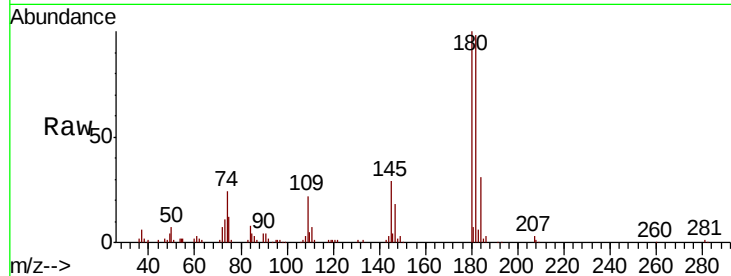




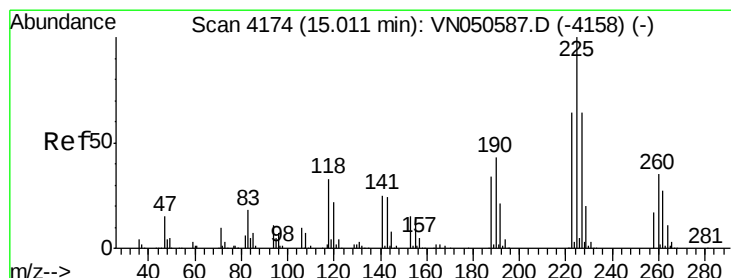
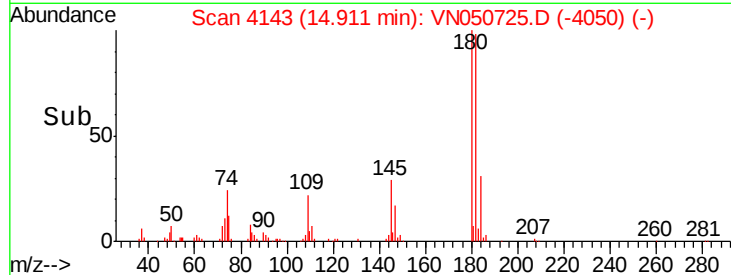
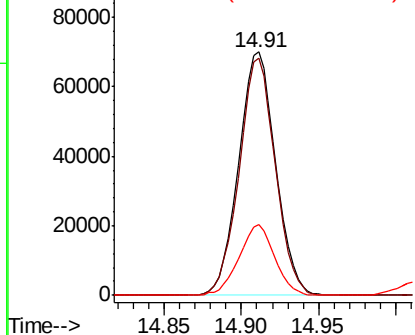
#93
 1,2,4-Trichlorobenzene
 Concen: 17.88 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 115970
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.9 143.7
 145 28.1 14.4 43.4

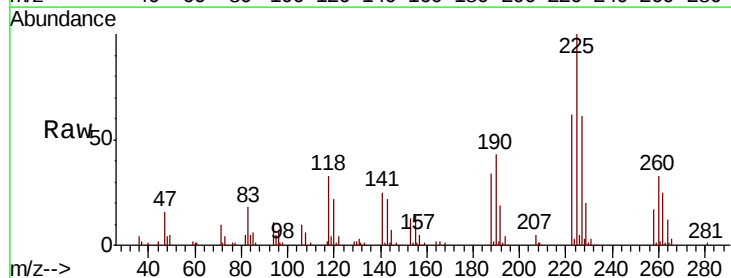


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

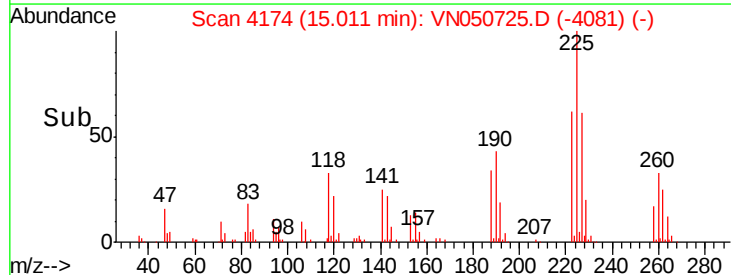
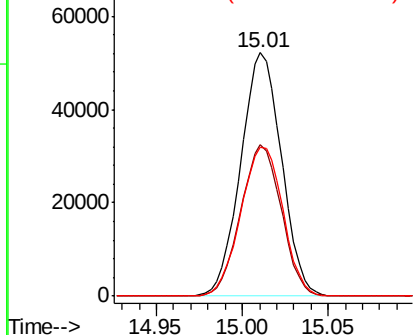


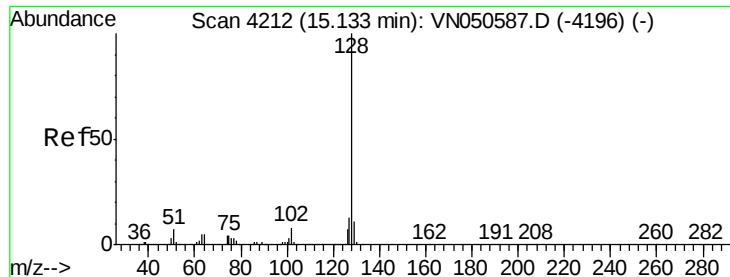
#94
 Hexachlorobutadiene
 Concen: 19.88 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050725.D
 Acq: 17 Aug 2018 13:09

Tgt Ion:225 Resp: 85771
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.1 96.3
 227 63.3 32.0 96.2



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





#95

Naphthalene

Concen: 17.18 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

Instrument :

MSVOA_N

ClientSampleId :

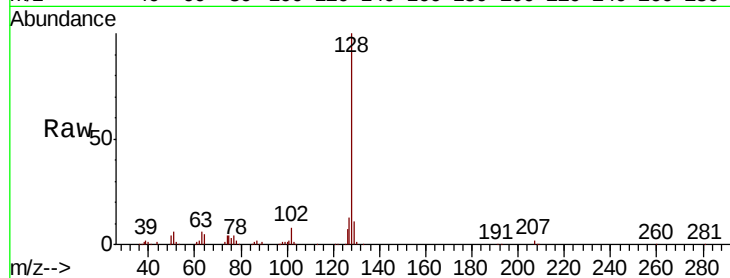
Tot Ion:128 Resp: 221699

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

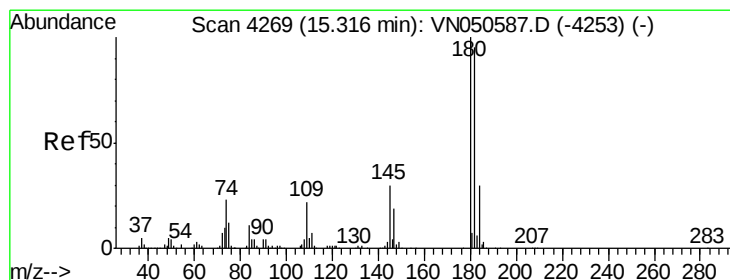
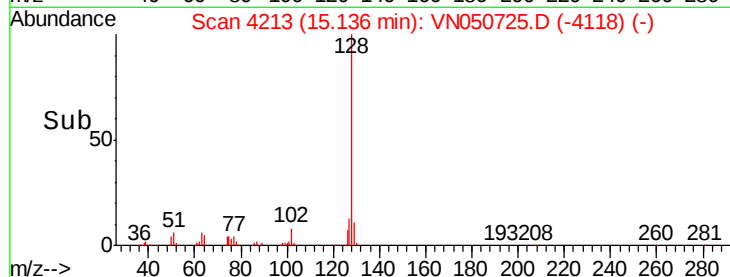
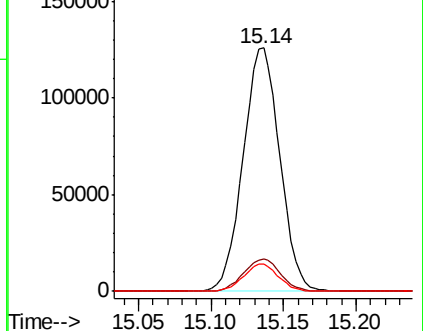
129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.66 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050725.D

Acq: 17 Aug 2018 13:09

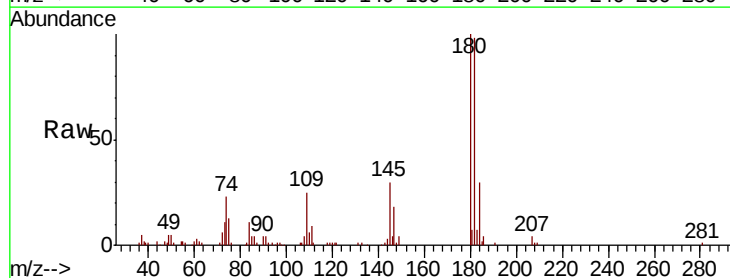
Tgt Ion:180 Resp: 117323

Ion Ratio Lower Upper

180 100

182 97.6 47.3 141.8

145 30.0 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

