

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082018\
 Data File : VN050772.D
 Acq On : 20 Aug 2018 14:21
 Operator : MD\SY
 Sample : VN0820WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Quant Time: Aug 21 03:29:47 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	639183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	930593	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	832545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391045	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	397650	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	375151	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1406431	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
62) 4-Bromofluorobenzene	12.40	95	435749	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	123935	17.20	ug/l	100
3) Chloromethane	2.06	50	166349	18.63	ug/l	99
4) Vinyl Chloride	2.19	62	166878	17.43	ug/l	100
5) Bromomethane	2.56	94	99778	18.06	ug/l	99
6) Chloroethane	2.70	64	103020	18.36	ug/l	100
7) Trichlorofluoromethane	3.01	101	223478	17.79	ug/l	97
8) Diethyl Ether	3.41	74	75814	18.15	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141995	18.69	ug/l	99
10) Methyl Iodide	3.95	142	87315	20.87	ug/l	99
11) Tert butyl alcohol	4.80	59	42245	96.03	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	124166	17.90	ug/l	98
13) Acrolein	3.61	56	33406	197.19	ug/l	100
14) Allyl chloride	4.33	41	197168	18.28	ug/l	99
15) Acrylonitrile	4.99	53	229372	94.93	ug/l	98
16) Acetone	3.82	43	204090	100.58	ug/l	99
17) Carbon Disulfide	4.05	76	367342	16.83	ug/l	99
18) Methyl Acetate	4.33	43	121385	20.87	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	337034	19.09	ug/l	99
20) Methylene Chloride	4.55	84	153026	19.20	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	135749	18.05	ug/l	97
22) Diisopropyl ether	5.96	45	439365	19.86	ug/l	98
23) Vinyl Acetate	5.90	43	1366869	94.47	ug/l	99
24) 1,1-Dichloroethane	5.85	63	261482	18.27	ug/l	99
25) 2-Butanone	6.84	43	317854	96.22	ug/l	99
26) 2,2-Dichloropropane	6.82	77	207842	21.70	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	156432	18.68	ug/l	99
28) Bromochloromethane	7.20	49	127330	19.55	ug/l	100
29) Tetrahydrofuran	7.22	42	164603	95.43	ug/l	99
30) Chloroform	7.37	83	268109	18.49	ug/l	99
31) Cyclohexane	7.66	56	226460	18.32	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	223631	18.32	ug/l	100
36) 1,1-Dichloropropene	7.80	75	197169	19.03	ug/l	99
37) Ethyl Acetate	6.93	43	117949	20.14	ug/l	98
38) Carbon Tetrachloride	7.78	117	200844	18.69	ug/l	100

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

39) Methylcyclohexane	9.08	83	199043	18.56	ug/l	97
40) Benzene	8.04	78	607395	19.27	ug/l	100
41) Methacrylonitrile	7.22	41	162674	51.39	ug/l #	19
42) 1,2-Dichloroethane	8.13	62	186037	19.26	ug/l	100
43) Isopropyl Acetate	8.17	43	207110	19.41	ug/l	100
44) Trichloroethene	8.84	130	156465	18.53	ug/l	100
45) 1,2-Dichloropropane	9.12	63	161915	19.30	ug/l	99
46) Dibromomethane	9.21	93	92648	18.70	ug/l	98
47) Bromodichloromethane	9.40	83	200136	18.90	ug/l	100
48) Methyl methacrylate	9.20	41	98550	18.35	ug/l	99
49) 1,4-Dioxane	9.20	88	26232	370.83	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	715819	99.18	ug/l	100
52) Toluene	10.16	92	368845	19.60	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	189097	19.17	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	227727	20.13	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	134376	19.12	ug/l	99
56) Ethyl methacrylate	10.43	69	153882	18.41	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225528	19.57	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	367147	92.33	ug/l	100
59) 2-Hexanone	10.75	43	452305	97.10	ug/l	99
60) Dibromochloromethane	10.90	129	150237	19.37	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129998	19.42	ug/l	98
64) Tetrachloroethene	10.63	164	143372	18.54	ug/l	98
65) Chlorobenzene	11.43	112	398261	19.22	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	151272	19.48	ug/l	99
67) Ethyl Benzene	11.51	91	651099	19.46	ug/l	100
68) m/p-Xylenes	11.62	106	512585	40.06	ug/l	100
69) o-Xylene	11.95	106	240183	19.69	ug/l	99
70) Styrene	11.96	104	385956	18.39	ug/l	100
71) Bromoform	12.13	173	100512	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	638877	20.91	ug/l	98
74) N-amyl acetate	12.07	43	152076	19.13	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	164891	21.94	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	186241	29.05	ug/l #	100
77) Bromobenzene	12.53	156	165083	19.90	ug/l	99
78) n-propylbenzene	12.59	91	712037	20.90	ug/l	100
79) 2-Chlorotoluene	12.67	91	436868	20.57	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	519662	21.24	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35783	20.34	ug/l	96
82) 4-Chlorotoluene	12.77	91	432249	20.59	ug/l	100
83) tert-Butylbenzene	12.99	119	440291	20.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	533975	21.75	ug/l	99
85) sec-Butylbenzene	13.17	105	584872	21.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	500815	21.30	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	279621	19.80	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	268519	19.16	ug/l	100
89) n-Butylbenzene	13.62	91	367816	19.37	ug/l	99
90) Hexachloroethane	13.87	117	92139	19.49	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	274674	19.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20779	19.06	ug/l	95

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QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

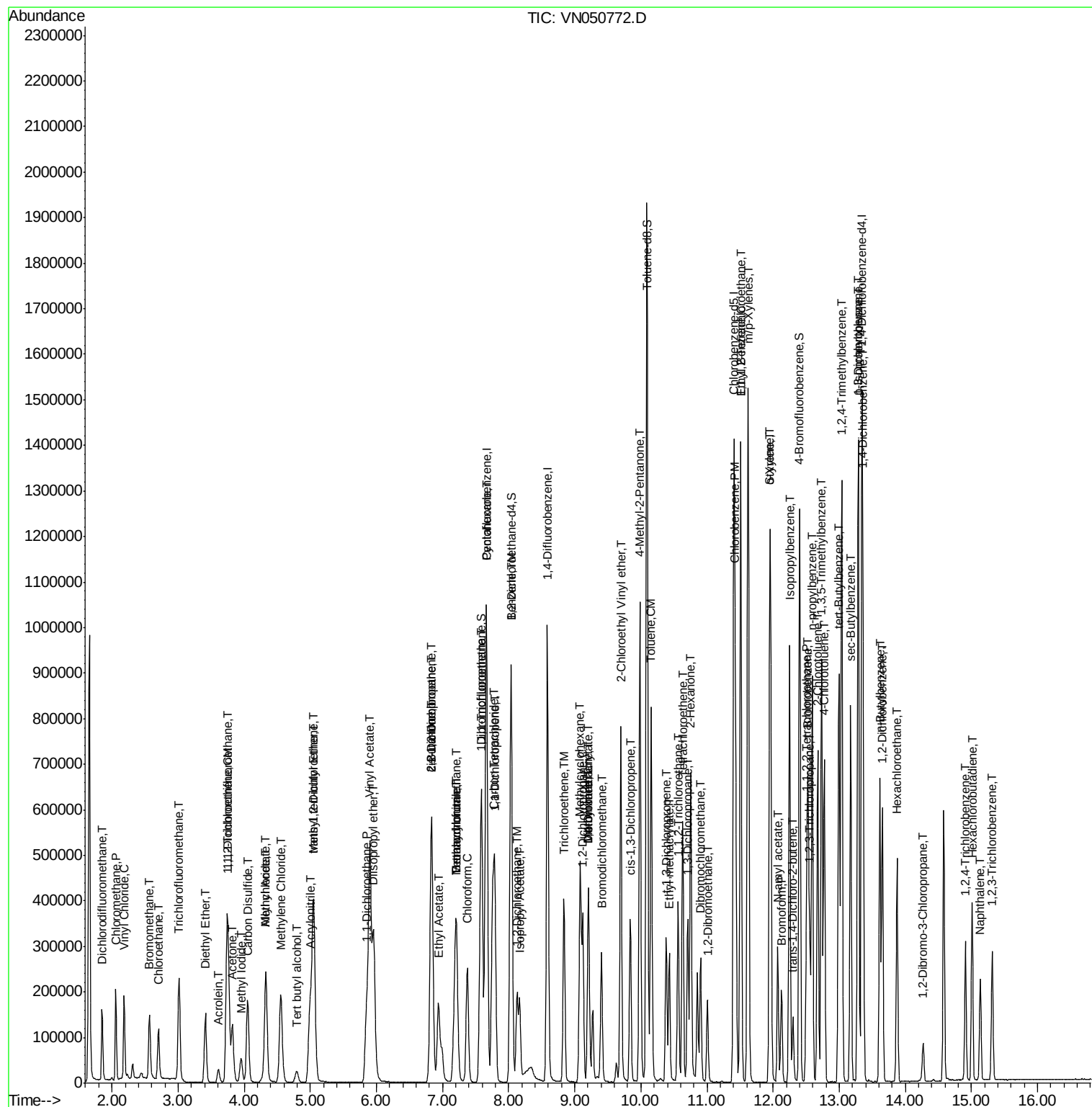
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	104665	16.69	ug/l	100
94) Hexachlorobutadiene	15.01	225	81851	19.38	ug/l	99
95) Naphthalene	15.13	128	194355	15.78	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	107875	17.64	ug/l	99

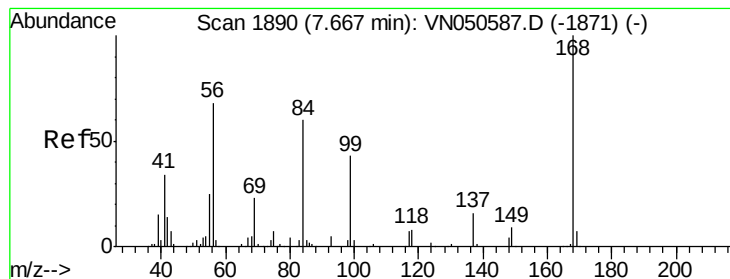
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

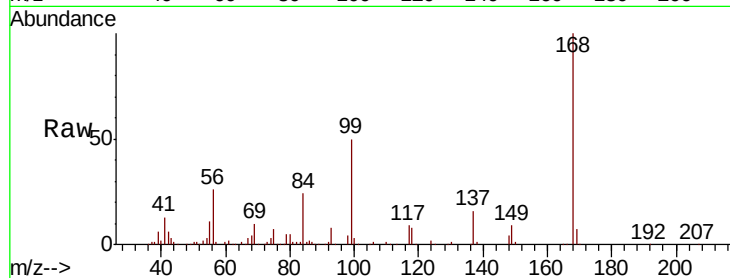
VN0820WBSD02

Tot Ion:168 Resp: 639183

Ion Ratio Lower Upper

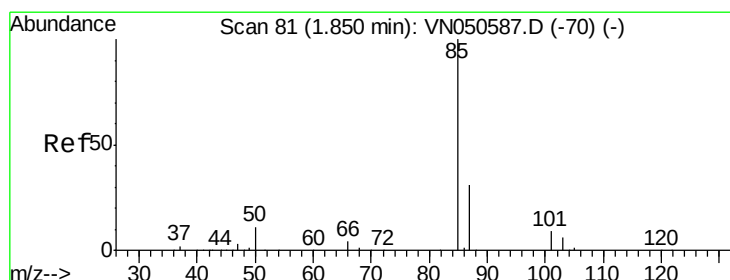
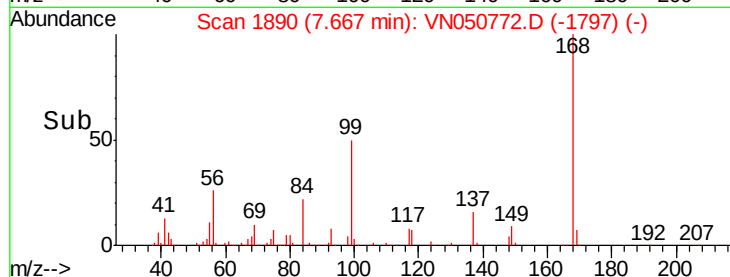
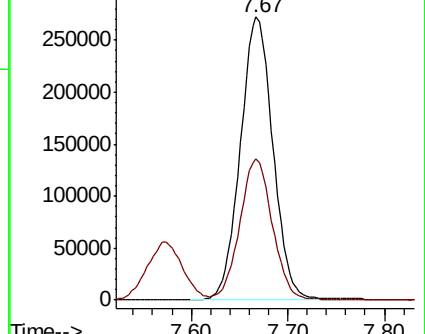
168 100

99 49.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.20 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050772.D

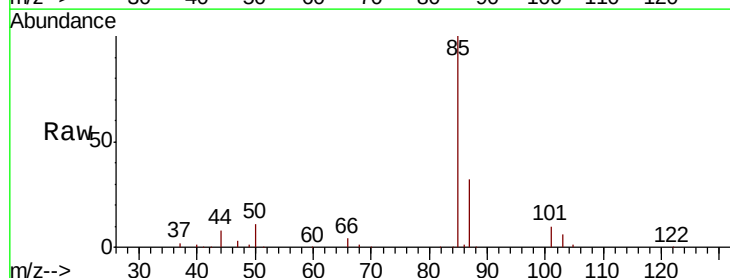
Acq: 20 Aug 2018 14:21

Tgt Ion: 85 Resp: 123935

Ion Ratio Lower Upper

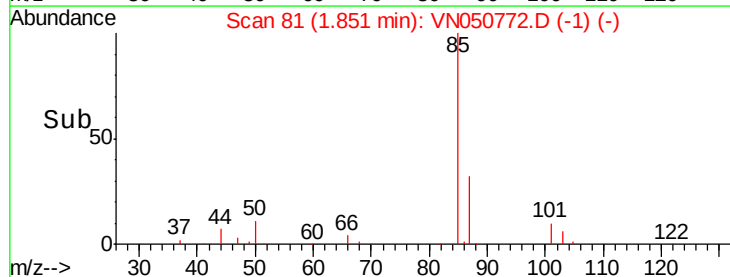
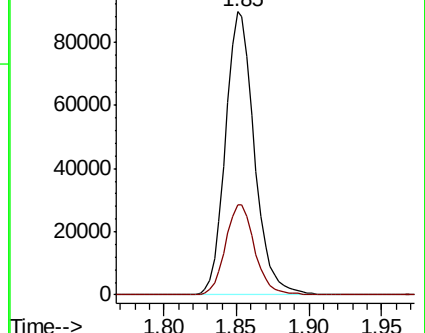
85 100

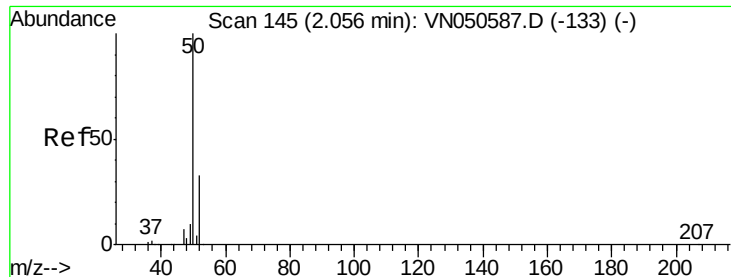
87 31.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.63 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

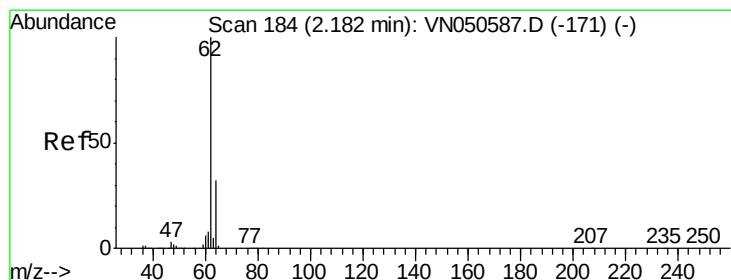
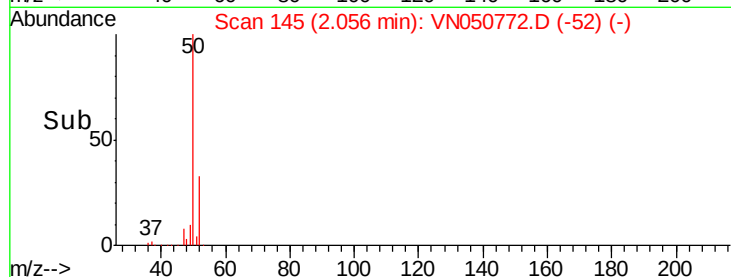
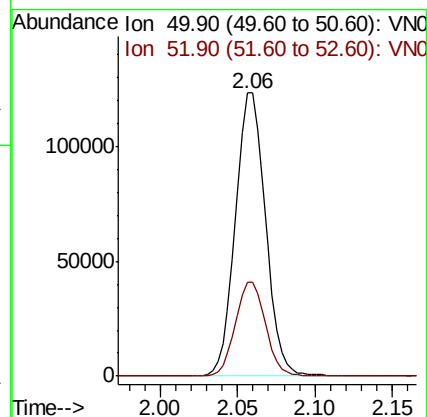
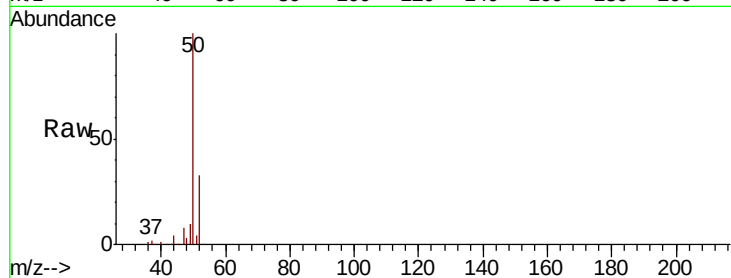
VN0820WBSD02

Tot Ion: 50 Resp: 166349

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 17.43 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050772.D

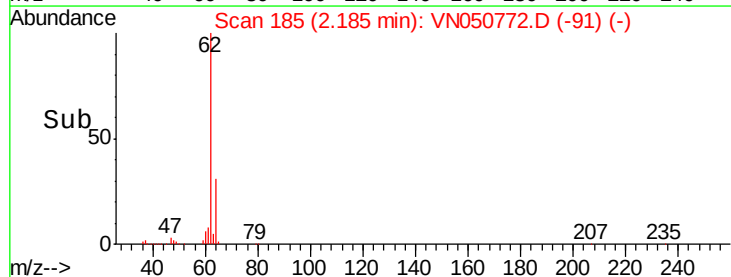
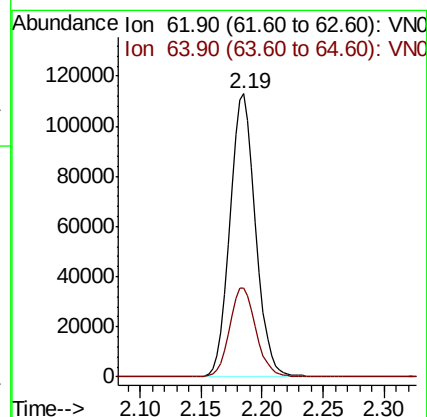
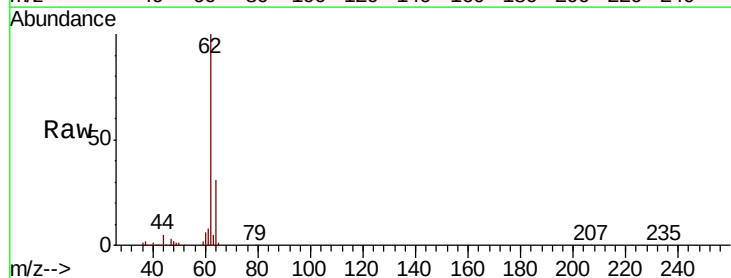
Acq: 20 Aug 2018 14:21

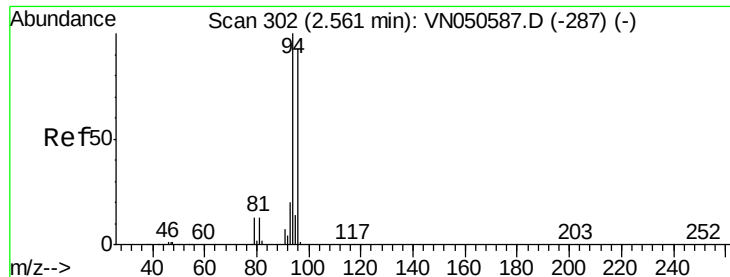
Tgt Ion: 62 Resp: 166878

Ion Ratio Lower Upper

62 100

64 31.4 25.2 37.8





#5

Bromomethane

Concen: 18.06 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

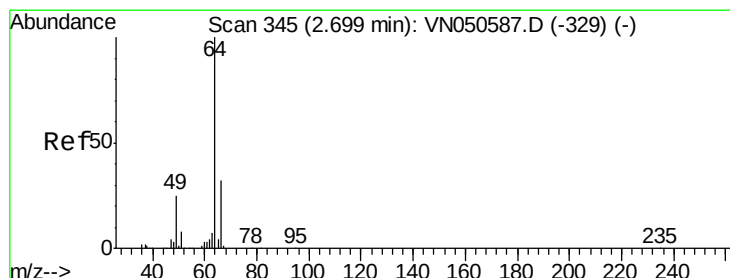
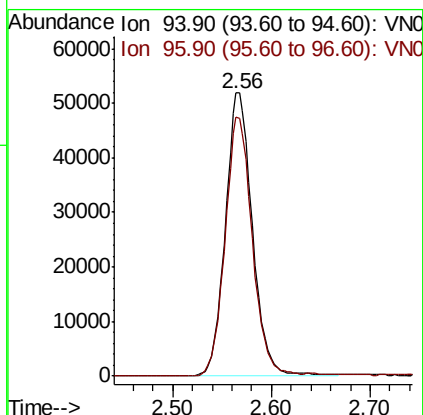
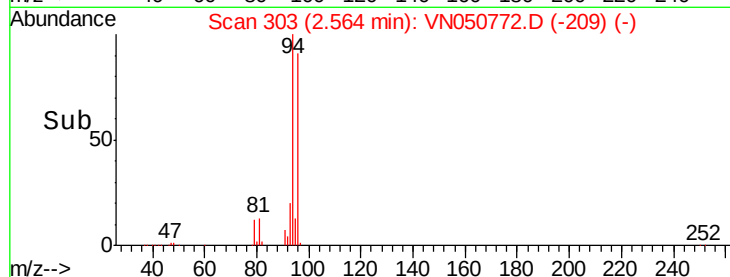
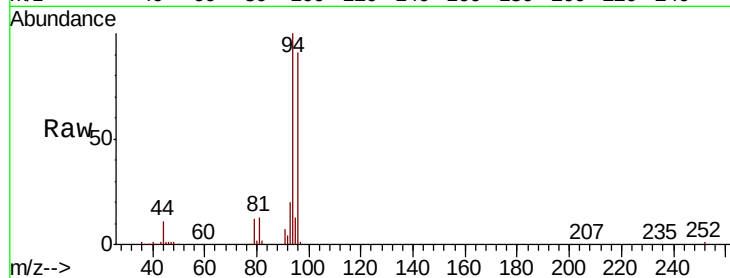
VN0820WBSD02

Tot Ion: 94 Resp: 99778

Ion Ratio Lower Upper

94 100

96 91.5 74.0 111.0



#6

Chloroethane

Concen: 18.36 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050772.D

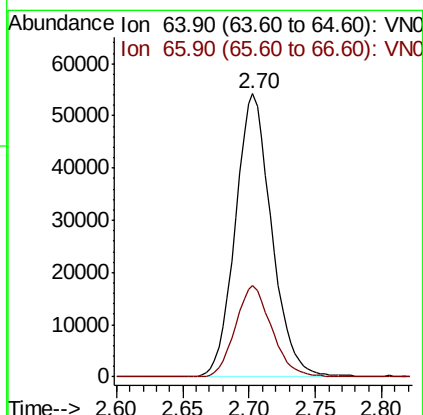
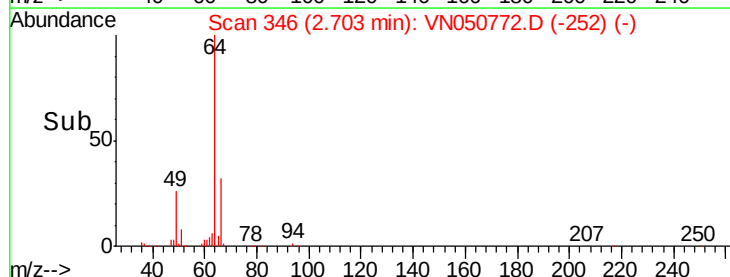
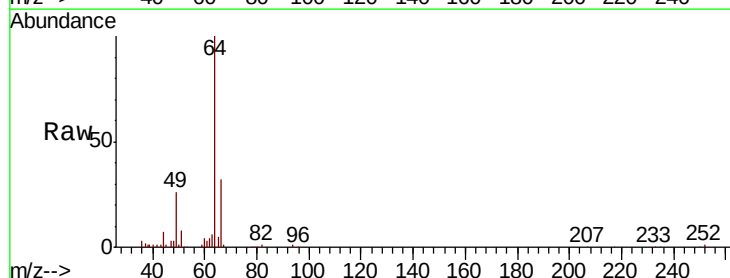
Acq: 20 Aug 2018 14:21

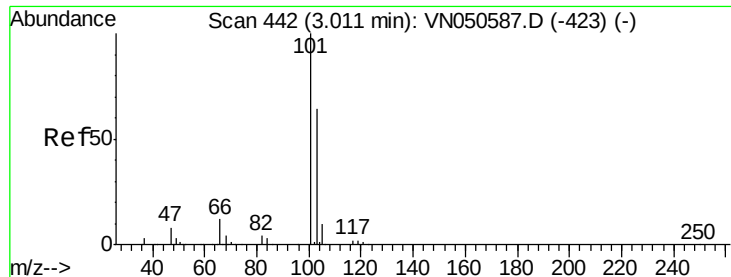
Tgt Ion: 64 Resp: 103020

Ion Ratio Lower Upper

64 100

66 32.1 25.7 38.5





#7

Trichlorofluoromethane

Concen: 17.79 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

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ClientSampleId :

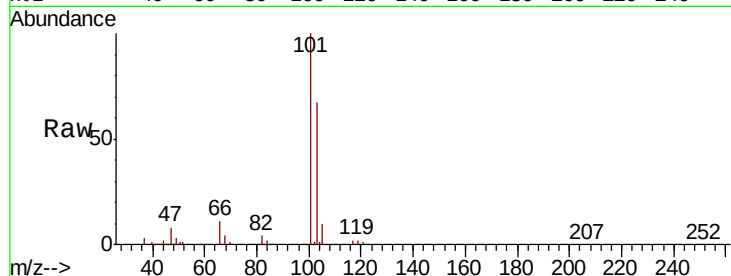
VN0820WBSD02

Tot Ion:101 Resp: 223478

Ion Ratio Lower Upper

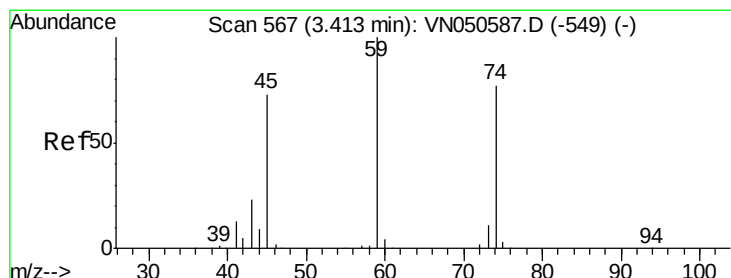
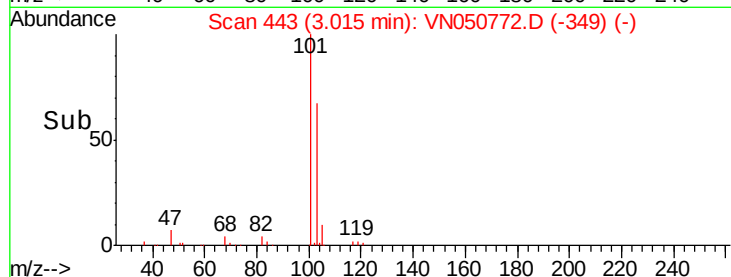
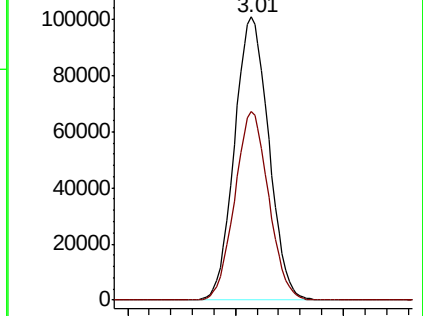
101 100

103 66.6 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.15 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050772.D

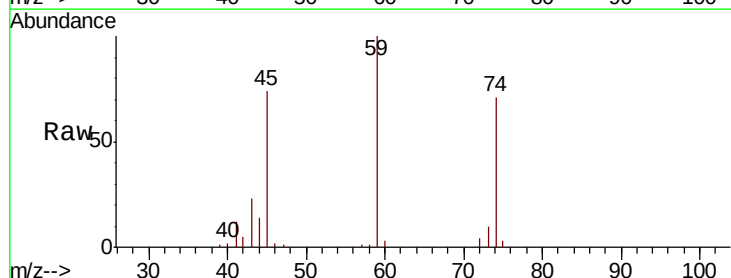
Acq: 20 Aug 2018 14:21

Tgt Ion: 74 Resp: 75814

Ion Ratio Lower Upper

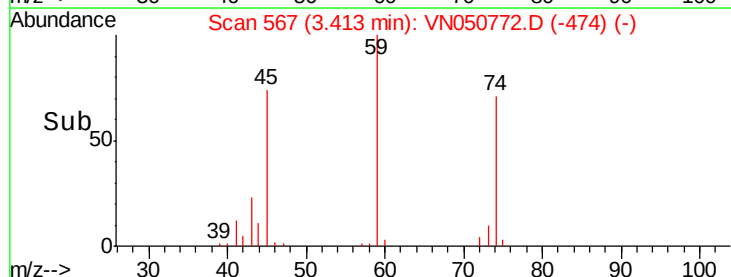
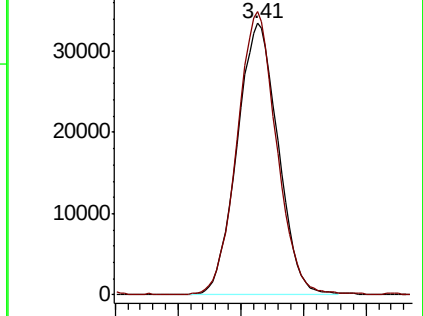
74 100

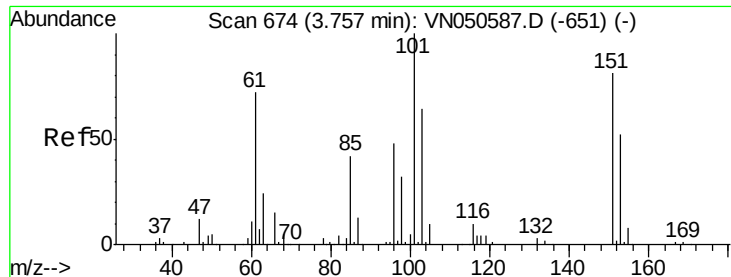
45 101.0 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.69 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

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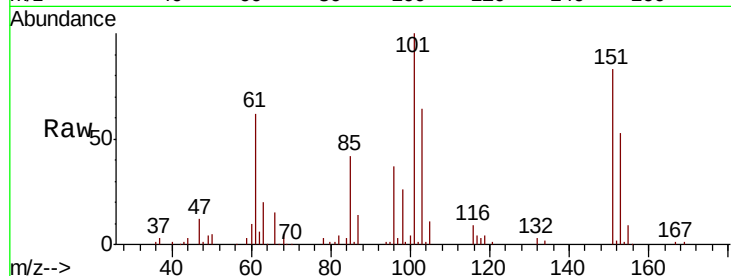
Tot Ion:101 Resp: 141995

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.0

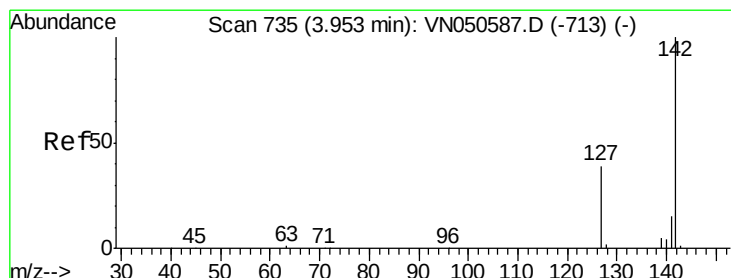
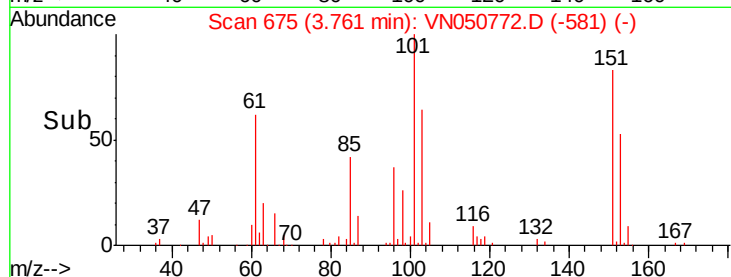
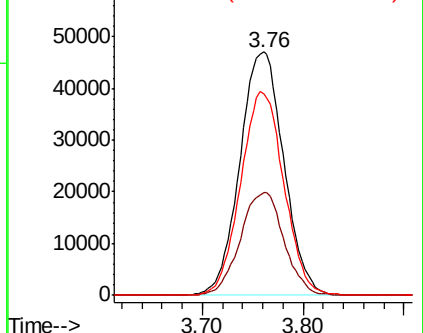
151 82.4 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.87 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

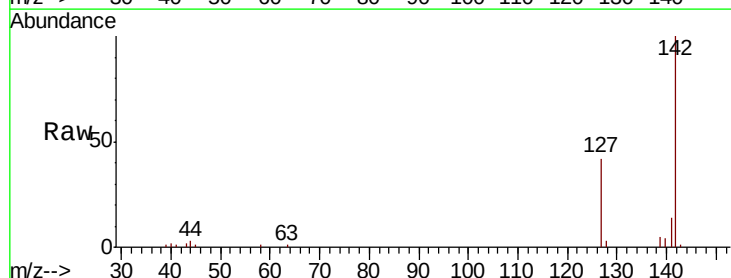
Tgt Ion:142 Resp: 87315

Ion Ratio Lower Upper

142 100

127 41.8 32.6 49.0

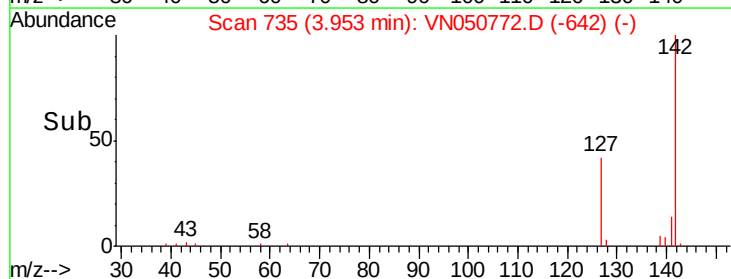
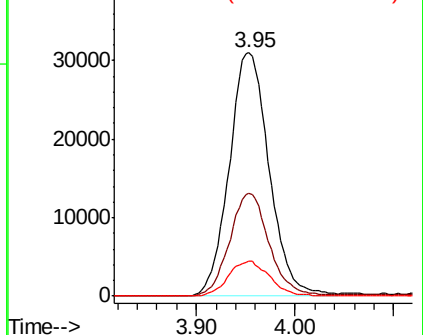
141 14.7 11.5 17.3

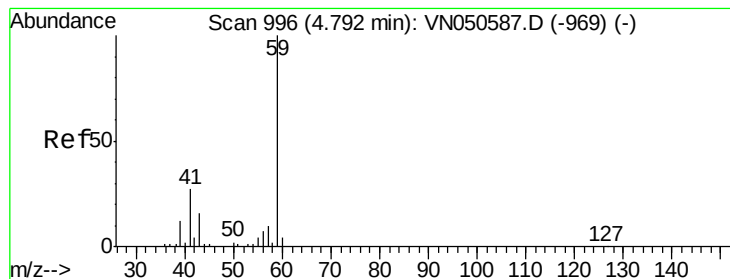


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



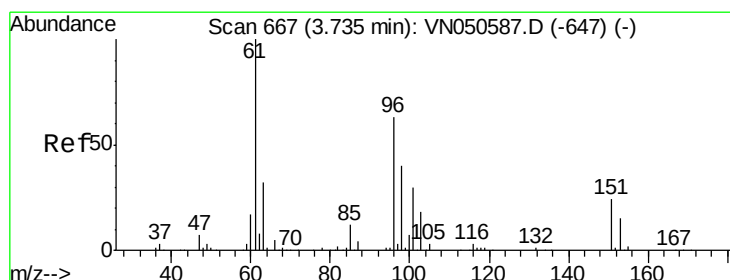
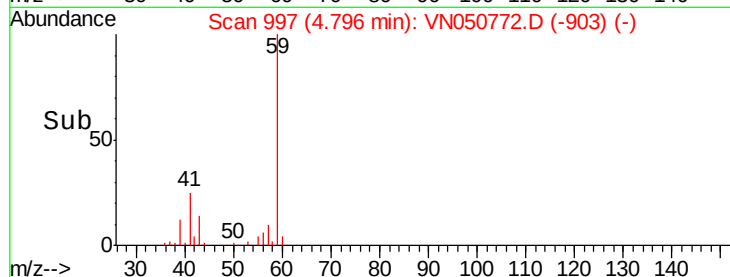
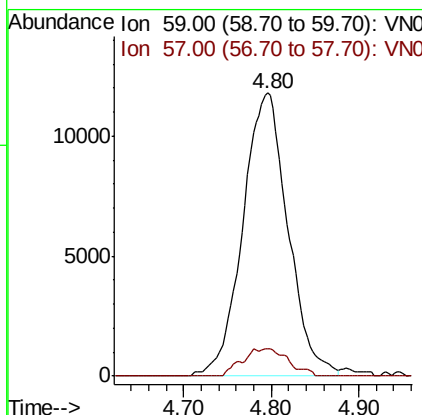
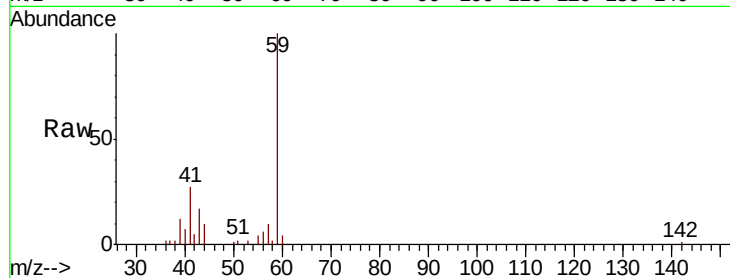


#11

Tert butyl alcohol
 Concen: 96.03 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBSD02

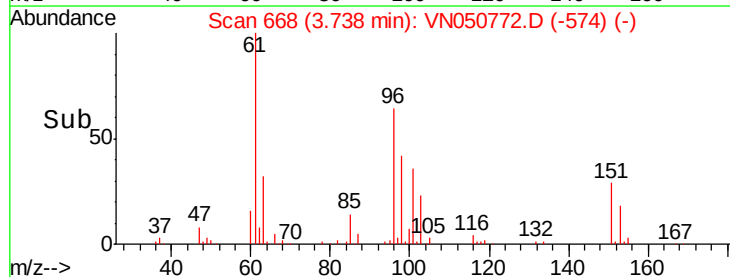
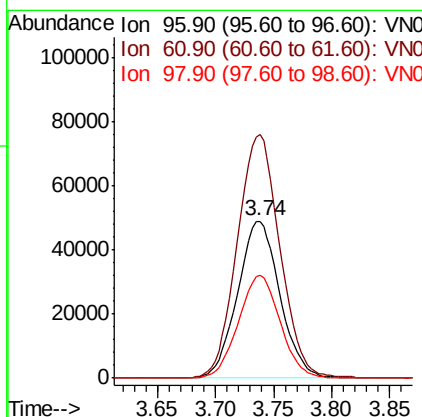
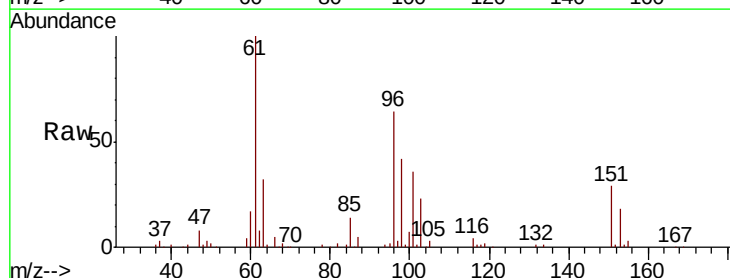
Tot Ion: 59 Resp: 42245
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

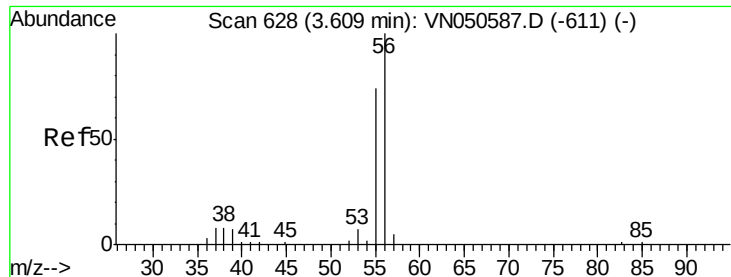


#12

1,1-Dichloroethene
 Concen: 17.90 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 96 Resp: 124166
 Ion Ratio Lower Upper
 96 100
 61 155.5 126.9 190.3
 98 65.7 51.1 76.7

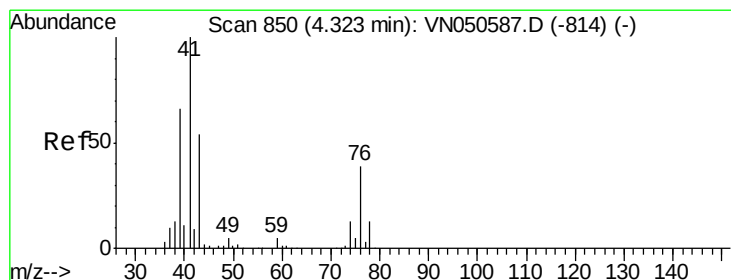
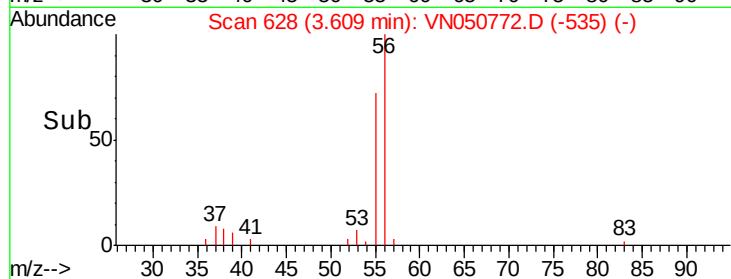
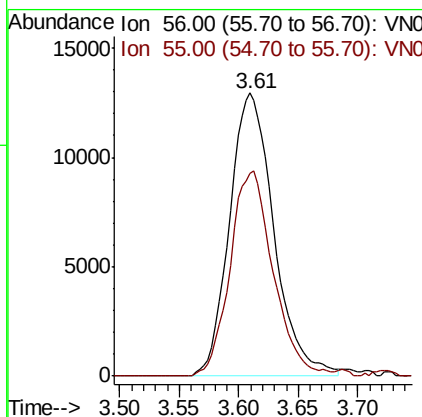
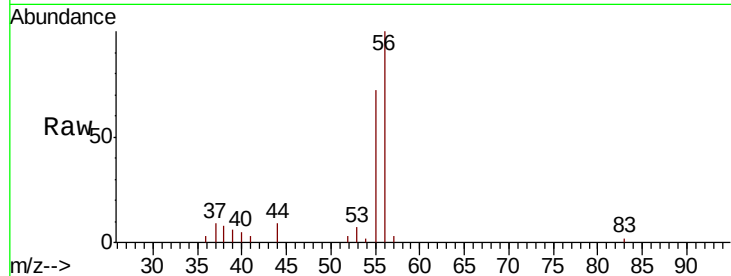




#13
Acrolein
Concen: 197.19 ug/l
RT: 3.61 min Scan# 628
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

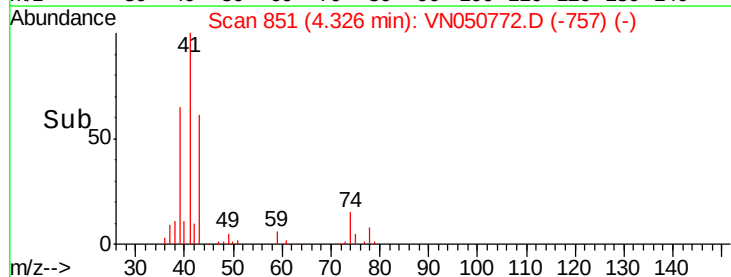
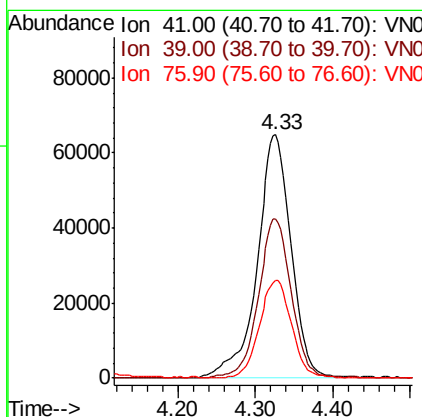
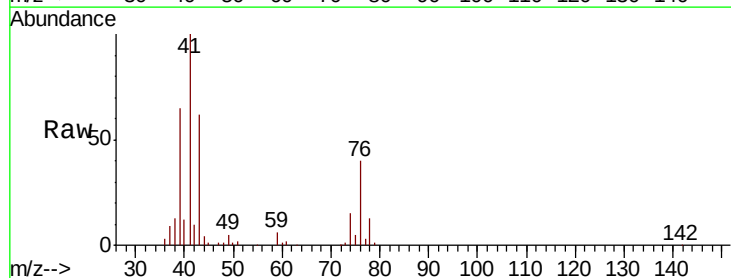
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

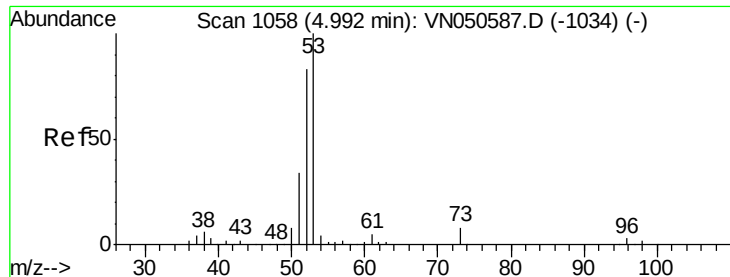
Tot Ion: 56 Resp: 33406
Ion Ratio Lower Upper
56 100
55 70.5 56.3 84.5



#14
Allyl chloride
Concen: 18.28 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 41 Resp: 197168
Ion Ratio Lower Upper
41 100
39 63.3 51.4 77.0
76 37.4 29.4 44.0





#15

Acrylonitrile

Concen: 94.93 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

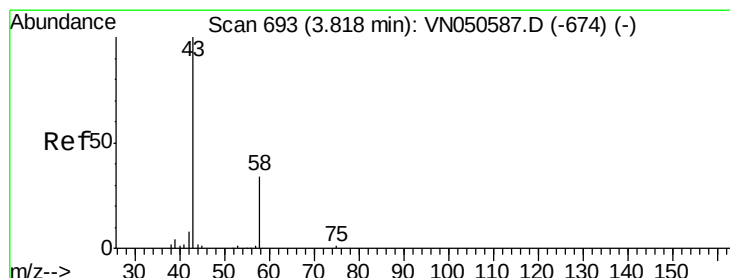
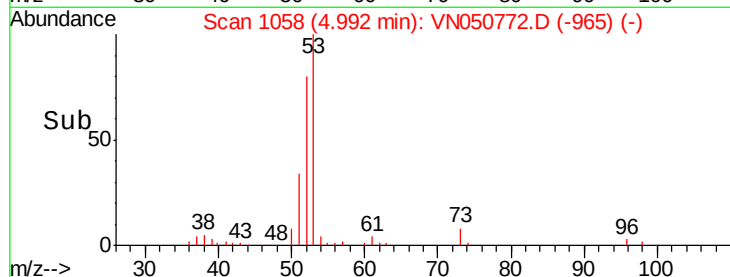
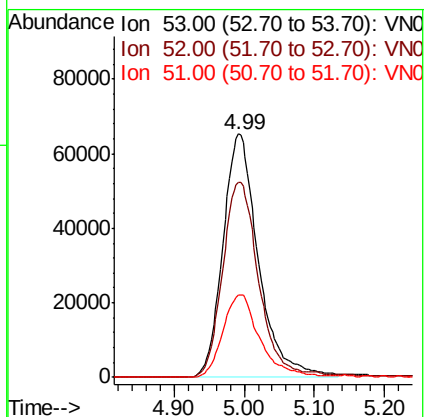
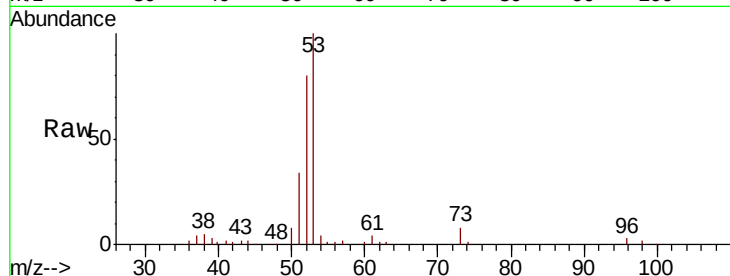
Tot Ion: 53 Resp: 229372

Ion Ratio Lower Upper

53 100

52 80.7 66.2 99.2

51 35.3 28.6 43.0



#16

Acetone

Concen: 100.58 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050772.D

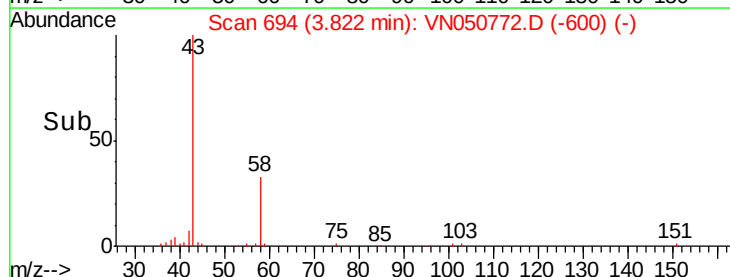
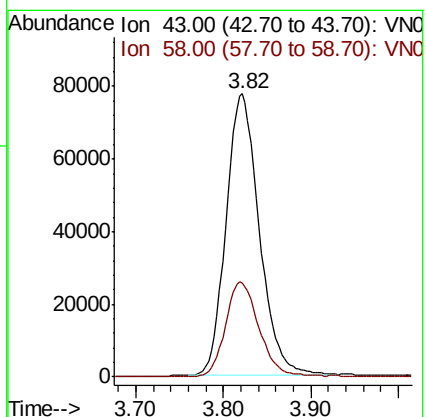
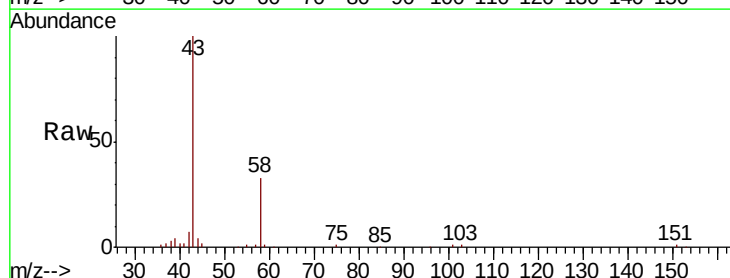
Acq: 20 Aug 2018 14:21

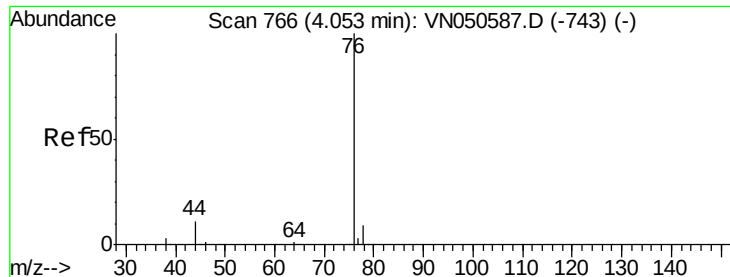
Tgt Ion: 43 Resp: 204090

Ion Ratio Lower Upper

43 100

58 33.4 27.1 40.7





#17

Carbon Disulfide

Concen: 16.83 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

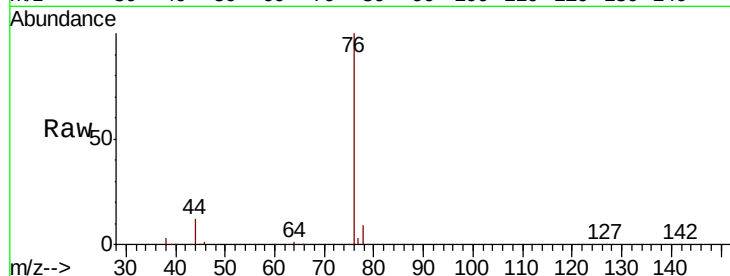
VN0820WBSD02

Tot Ion: 76 Resp: 367342

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

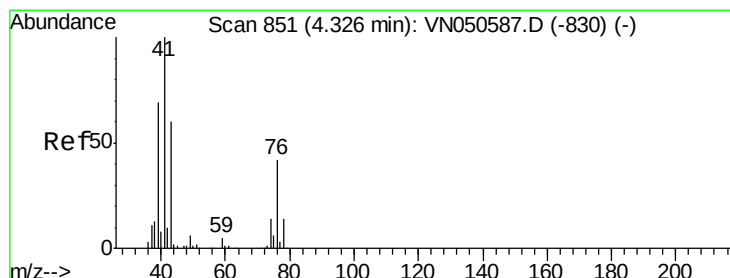
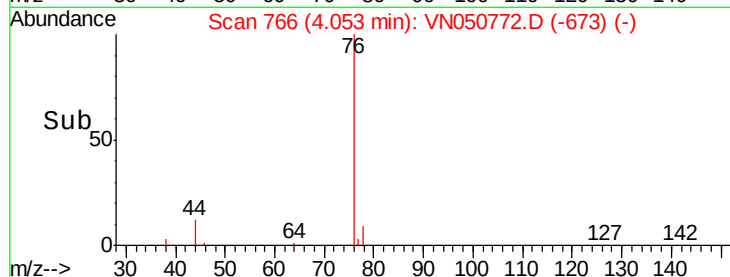
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 20.87 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050772.D

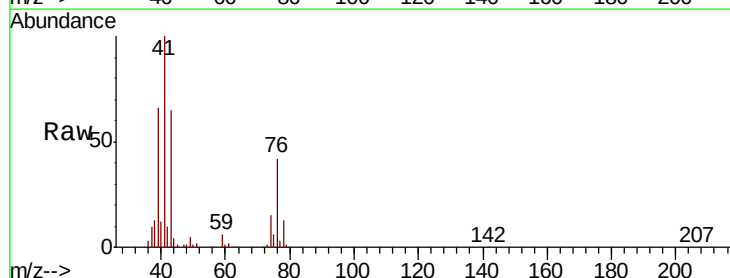
Acq: 20 Aug 2018 14:21

Tgt Ion: 43 Resp: 121385

Ion Ratio Lower Upper

43 100

74 23.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

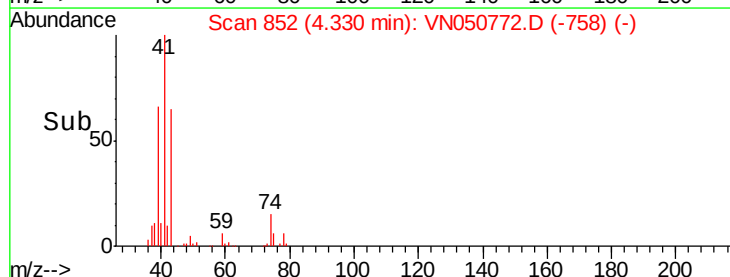
30000

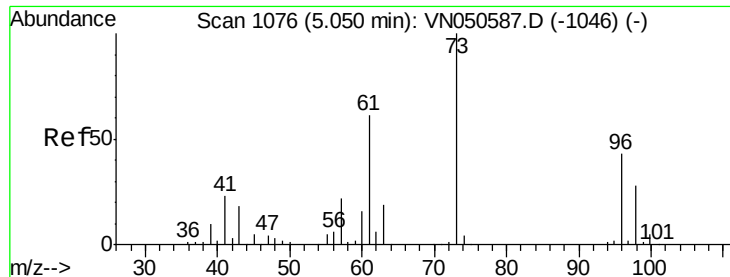
20000

10000

0

Time--> 4.20 4.30 4.40





#19

Methyl tert-butyl Ether

Concen: 19.09 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleID :

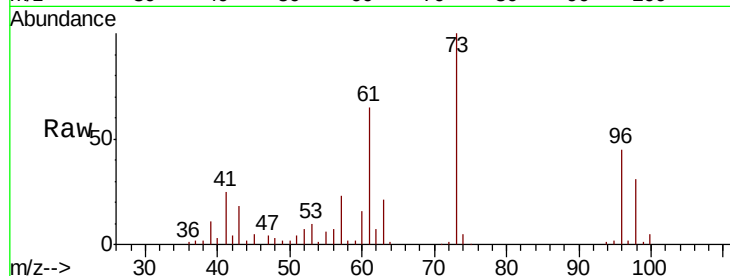
VN0820WBSD02

Tot Ion: 73 Resp: 337034

Ion Ratio Lower Upper

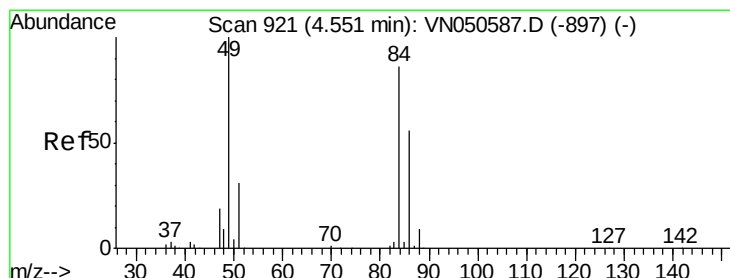
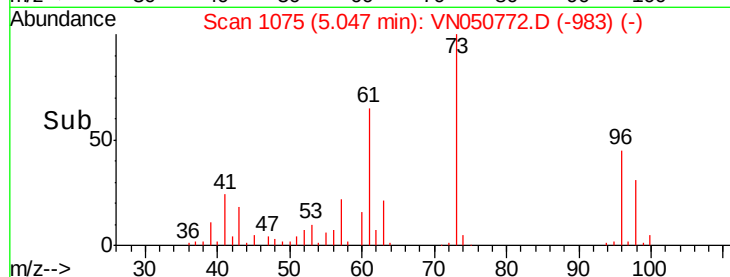
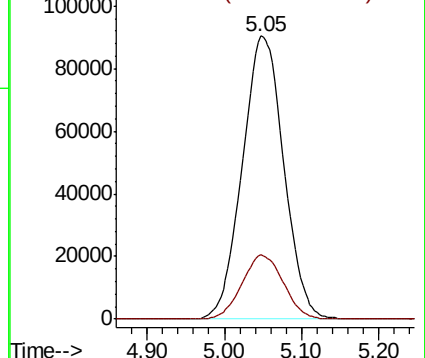
73 100

57 22.8 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 19.20 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion: 84 Resp: 153026

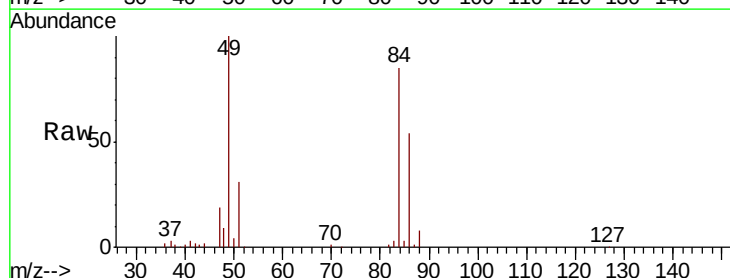
Ion Ratio Lower Upper

84 100

49 117.6 92.6 138.8

51 36.2 28.6 43.0

86 63.8 52.2 78.2

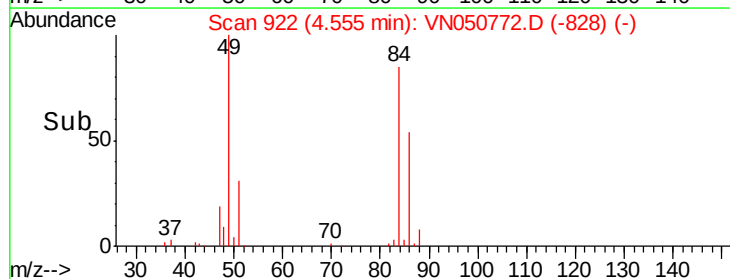
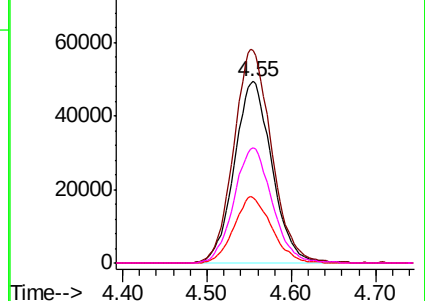


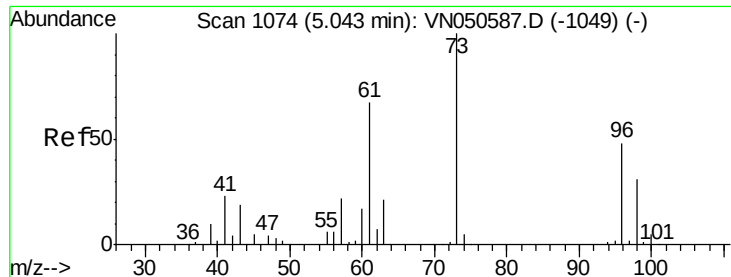
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 18.05 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

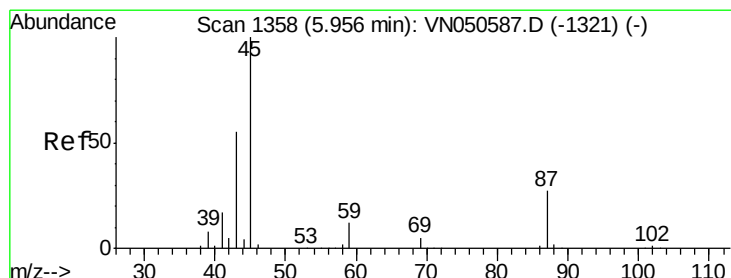
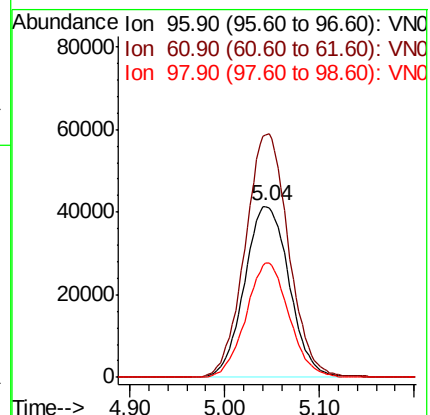
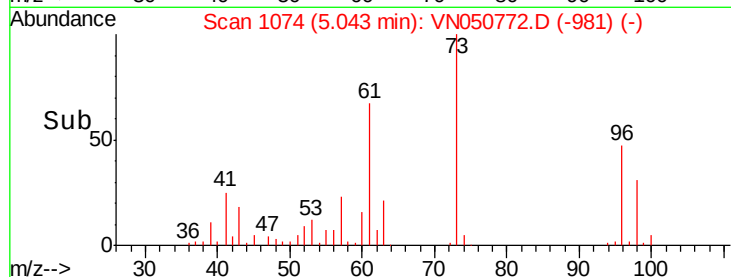
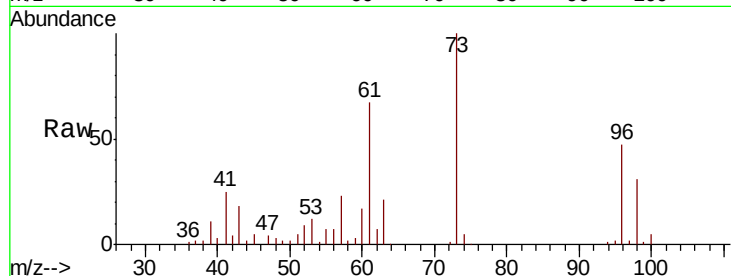
Tot Ion: 96 Resp: 135749

Ion Ratio Lower Upper

96 100

61 142.2 111.2 166.8

98 67.2 51.6 77.4



#22

Diisopropyl ether

Concen: 19.86 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion: 45 Resp: 439365

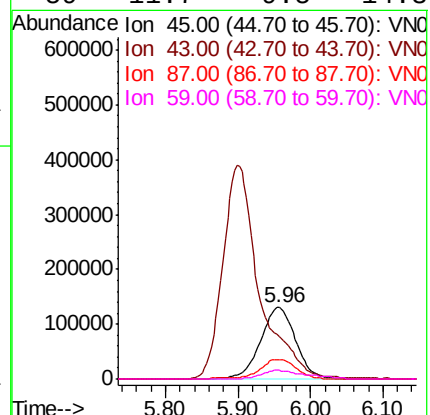
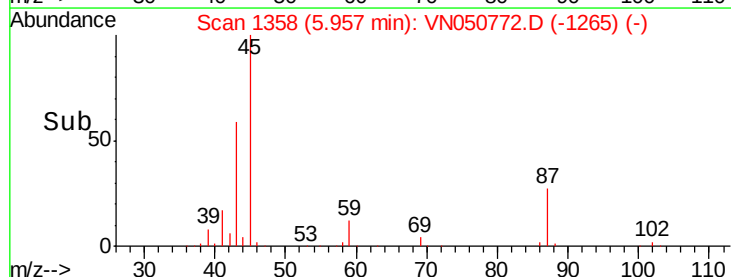
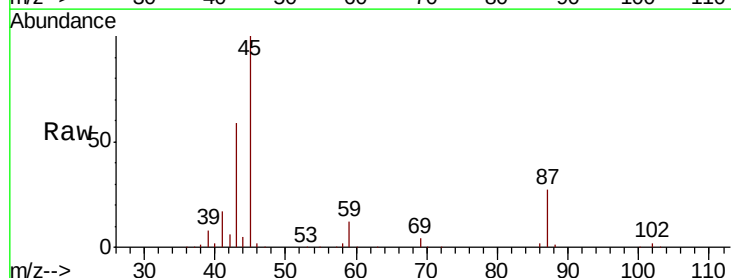
Ion Ratio Lower Upper

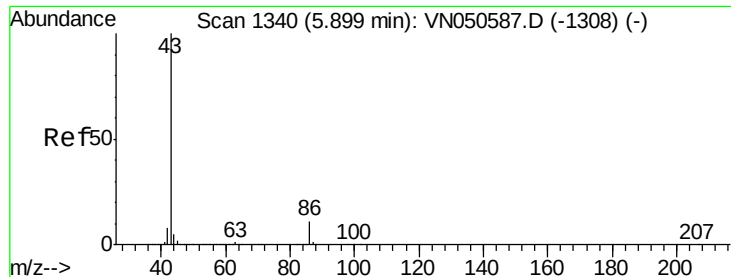
45 100

43 57.7 44.5 66.7

87 27.1 22.2 33.2

59 11.7 9.5 14.3





#23

Vinyl Acetate

Concen: 94.47 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

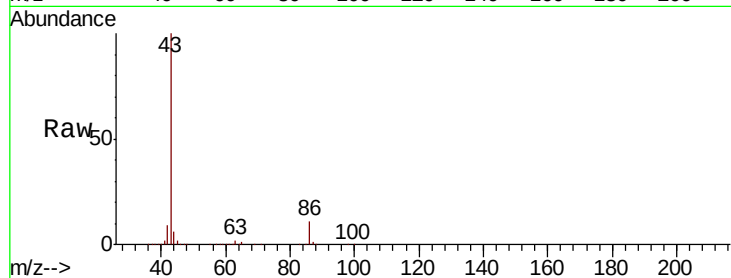
VN0820WBSD02

Tot Ion: 43 Resp: 1366869

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

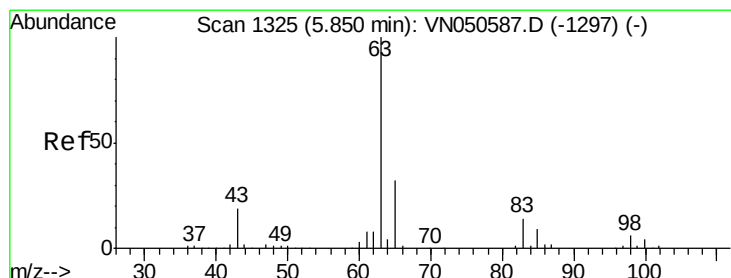
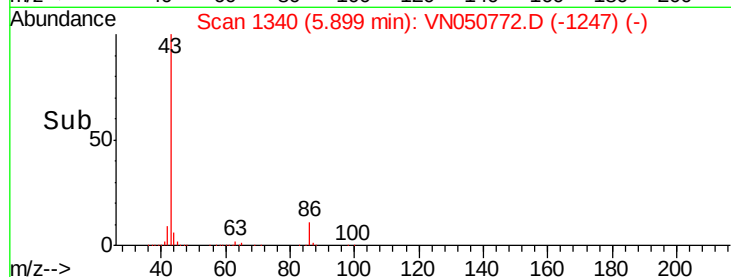
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.27 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

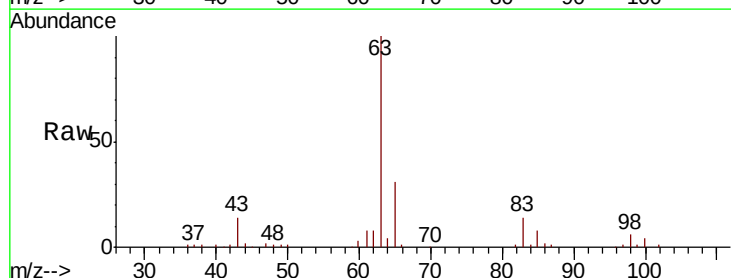
Tgt Ion: 63 Resp: 261482

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

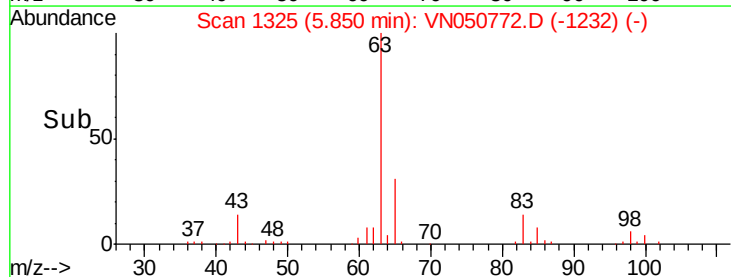
60000

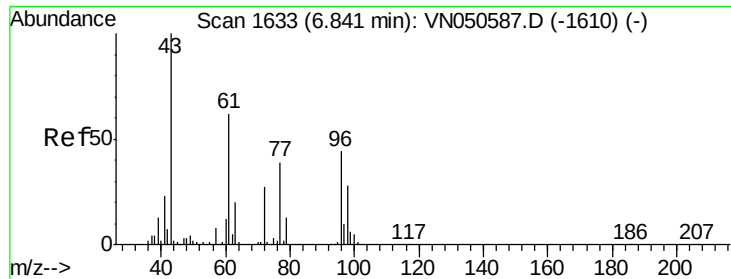
40000

20000

0

Time-->

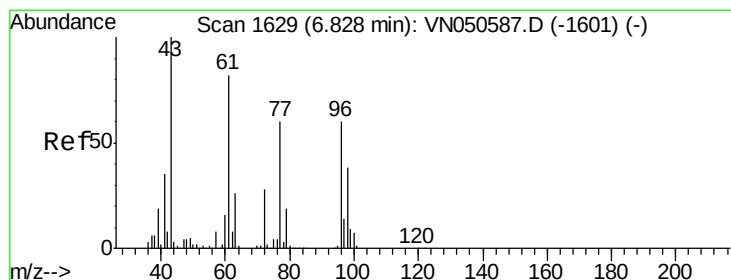
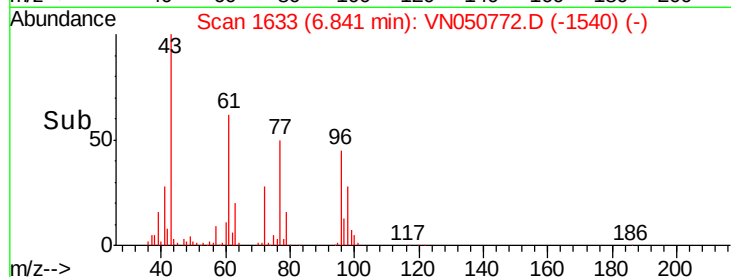
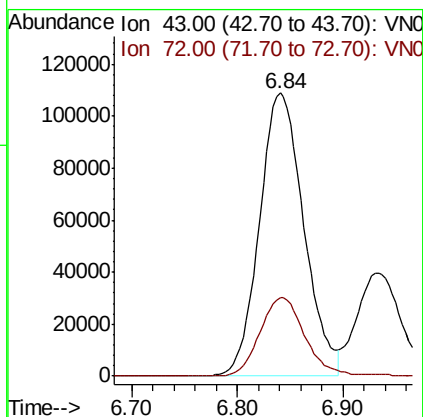
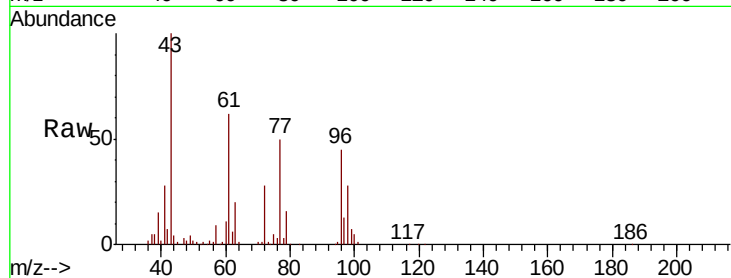




#25
 2-Butanone
 Concen: 96.22 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

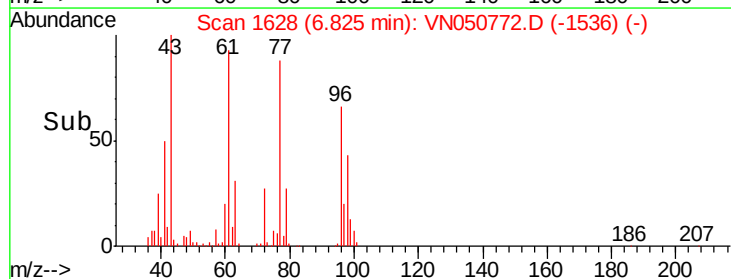
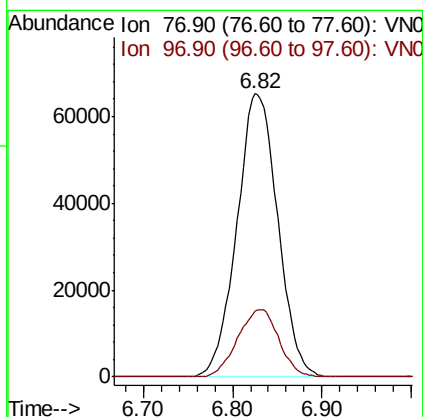
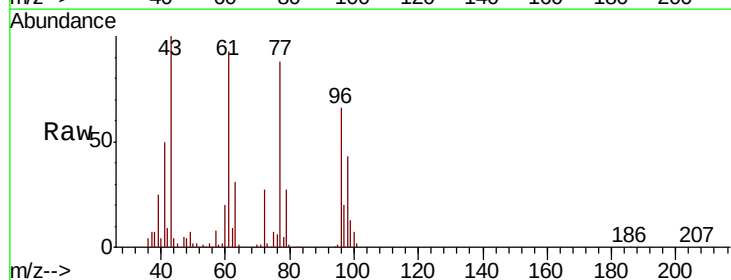
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

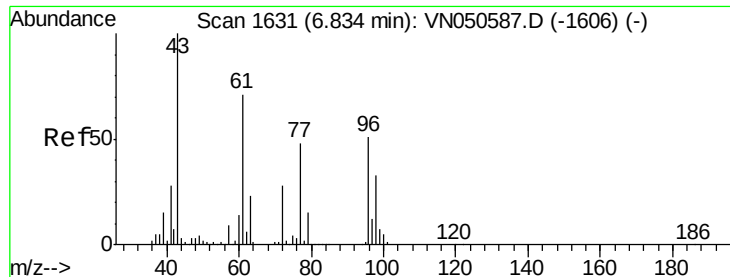
Tot Ion: 43 Resp: 317854
 Ion Ratio Lower Upper
 43 100
 72 27.7 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 21.70 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 77 Resp: 207842
 Ion Ratio Lower Upper
 77 100
 97 24.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

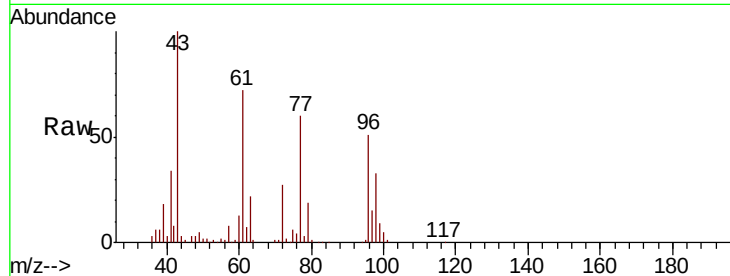
Tot Ion: 96 Resp: 156432

Ion Ratio Lower Upper

96 100

61 140.7 0.0 278.2

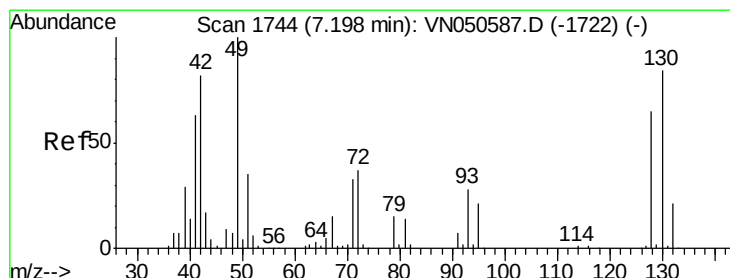
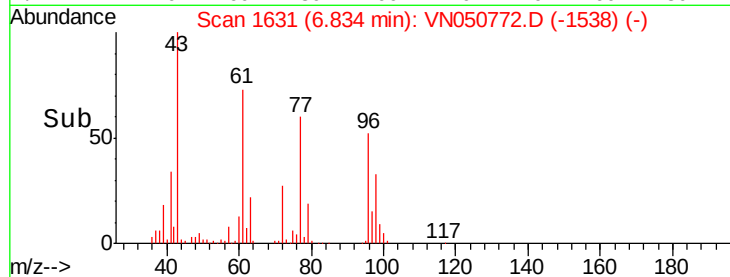
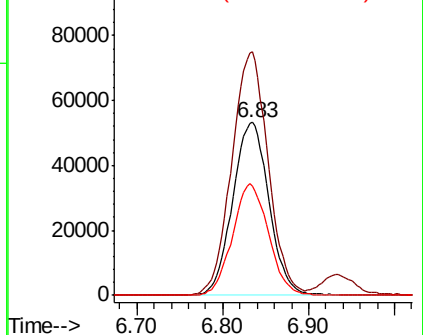
98 63.8 0.0 128.8



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: 19.55 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

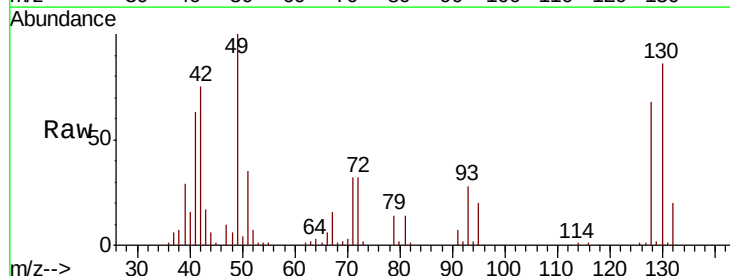
Tgt Ion: 49 Resp: 127330

Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.2

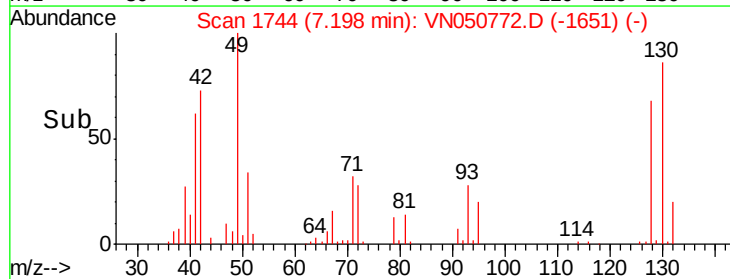
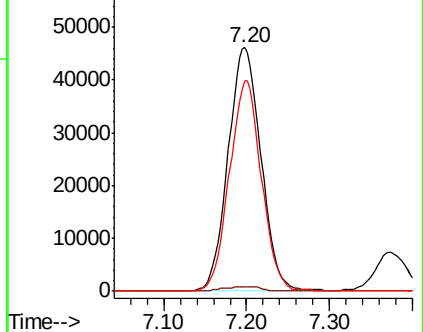
130 83.8 66.8 100.2

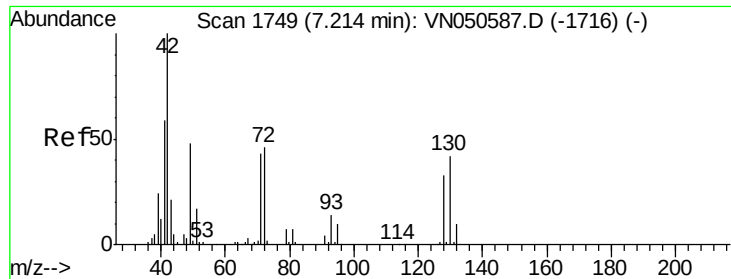


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

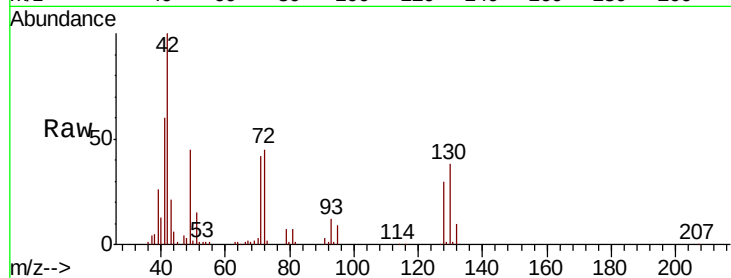




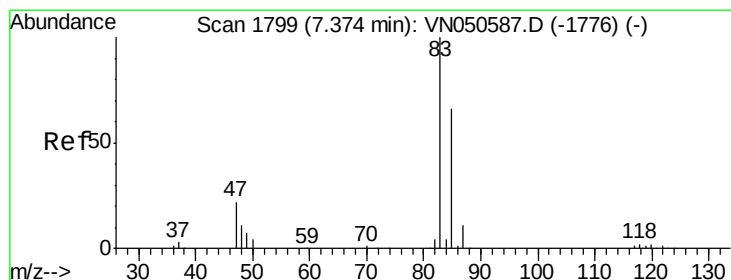
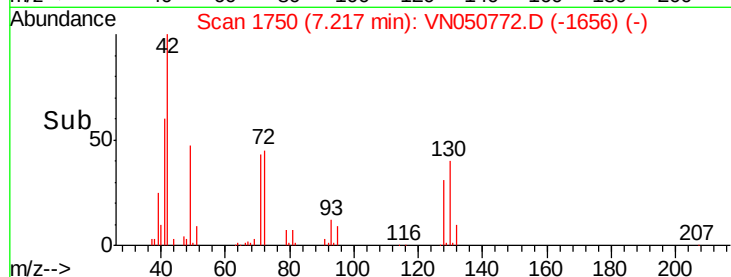
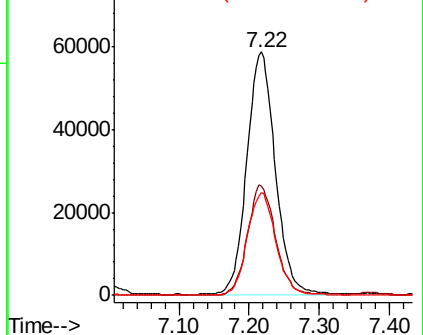
#29
Tetrahydrofuran
Concen: 95.43 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion: 42 Resp: 164603
Ion Ratio Lower Upper
42 100
72 44.6 35.8 53.6
71 42.3 33.4 50.0

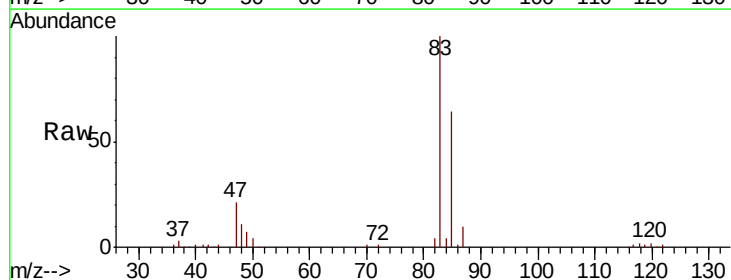


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

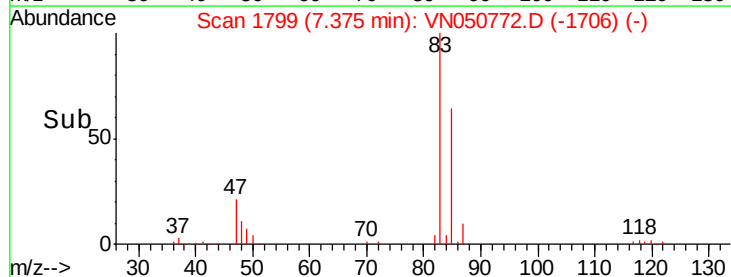
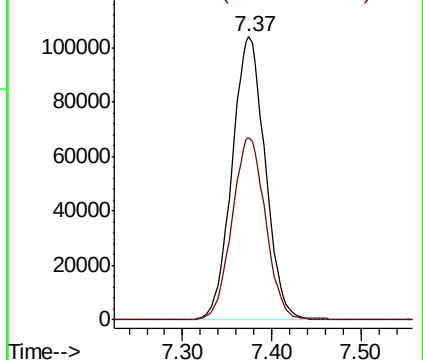


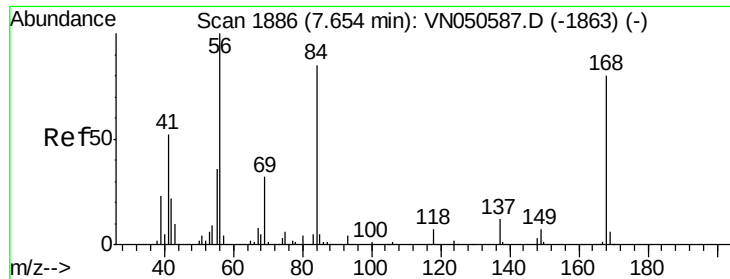
#30
Chloroform
Concen: 18.49 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 83 Resp: 268109
Ion Ratio Lower Upper
83 100
85 64.4 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: 18.32 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

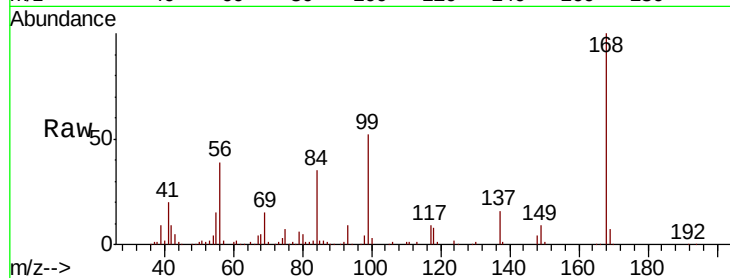
Tot Ion: 56 Resp: 226460

Ion Ratio Lower Upper

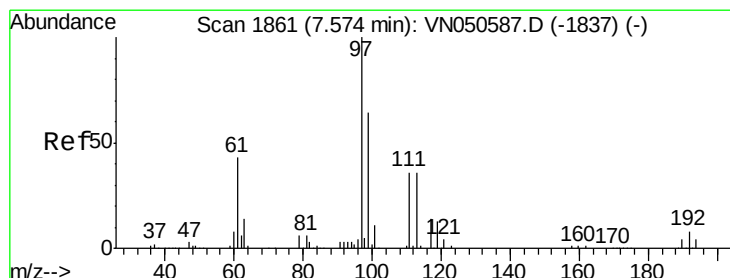
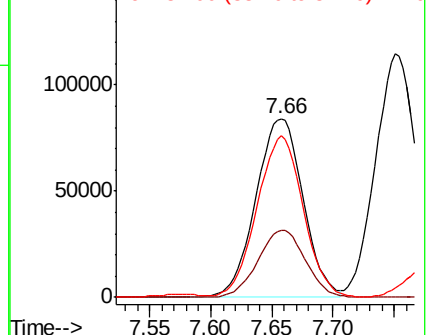
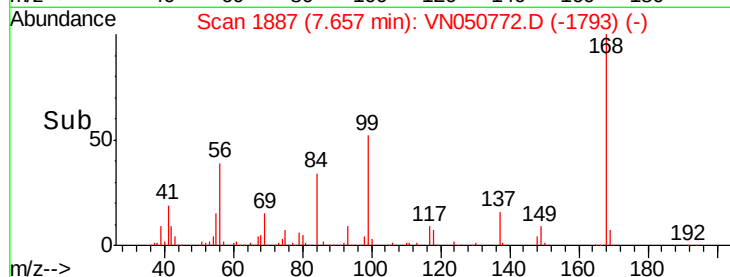
56 100

69 37.3 25.8 38.6

84 88.9 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: 18.32 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

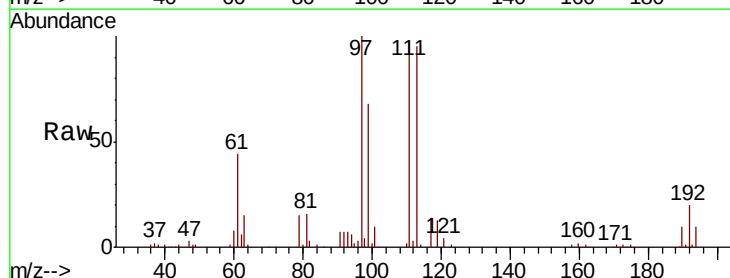
Tgt Ion: 97 Resp: 223631

Ion Ratio Lower Upper

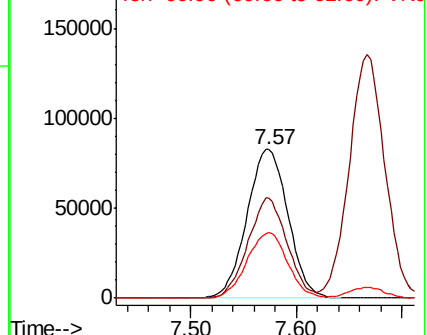
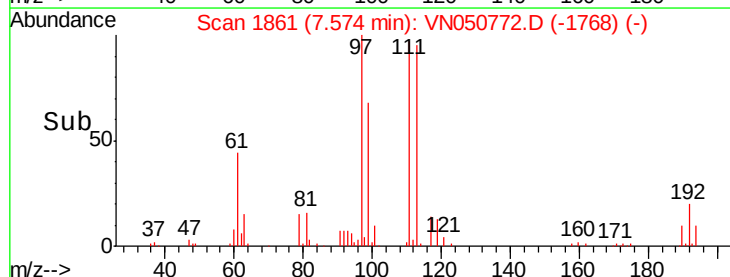
97 100

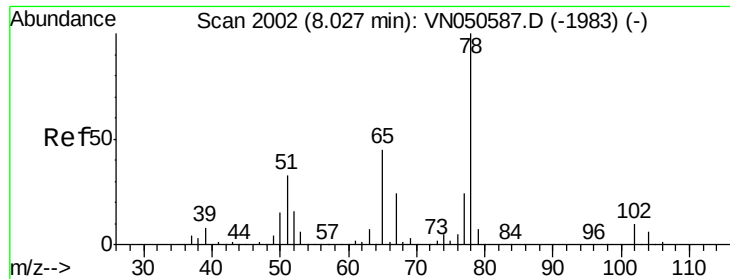
99 64.4 51.1 76.7

61 43.6 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

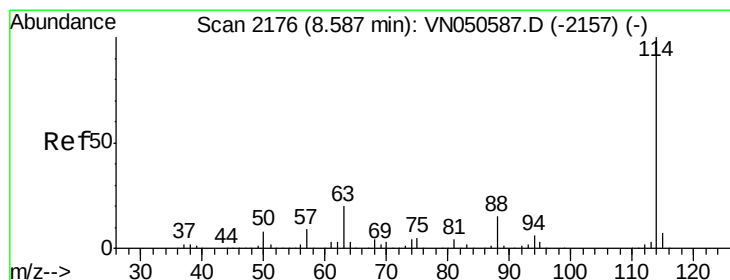
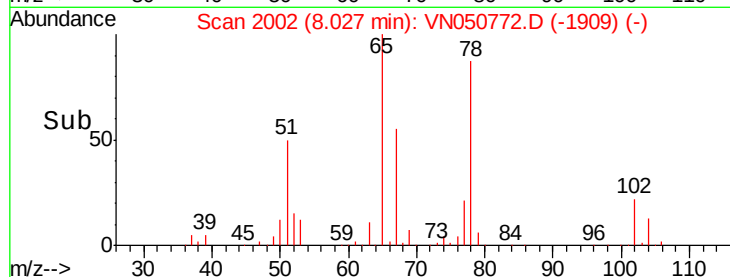
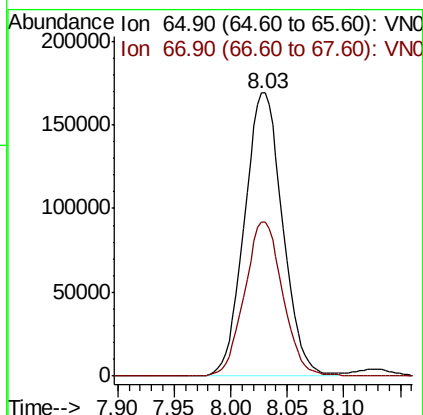
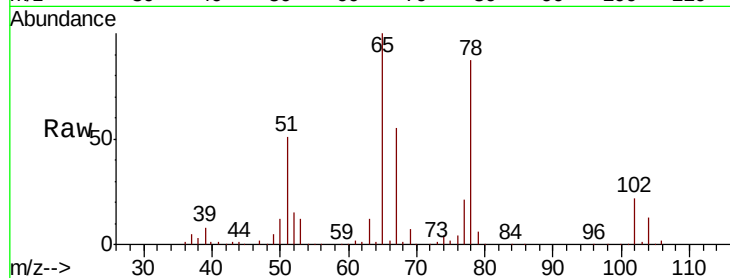




#33
 1,2-Dichloroethane-d4
 Concen: 49.35 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

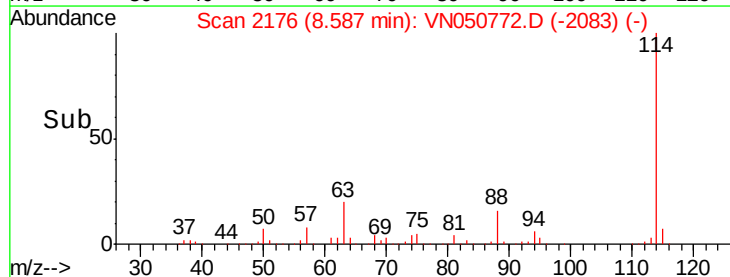
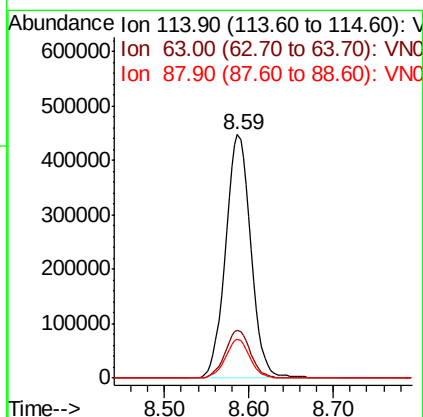
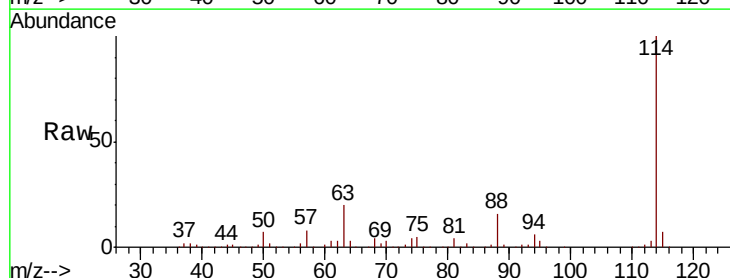
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

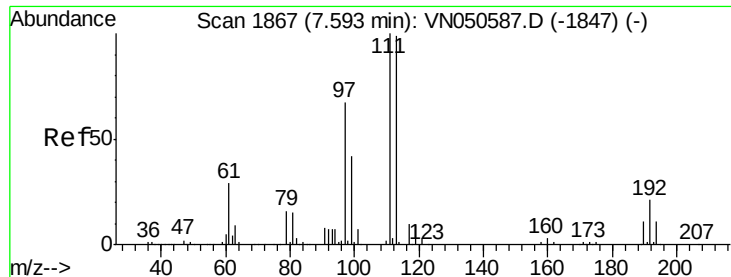
Tot Ion: 65 Resp: 397650
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 114 Resp: 930593
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.0
 88 15.8 0.0 30.8

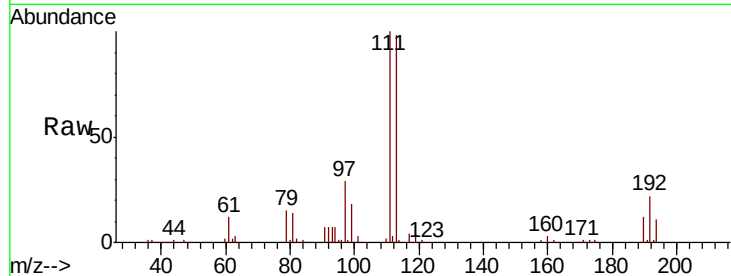




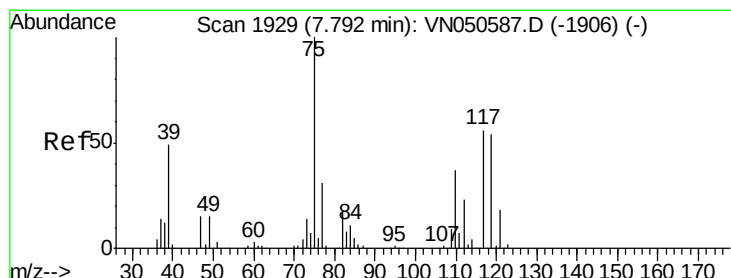
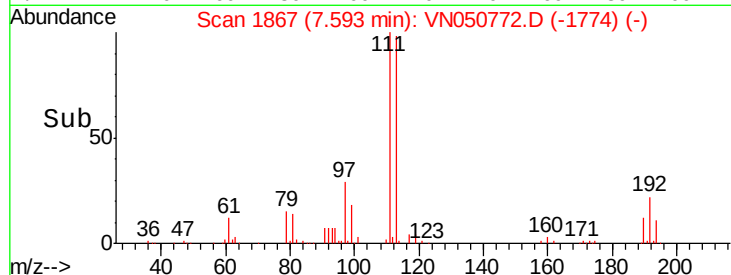
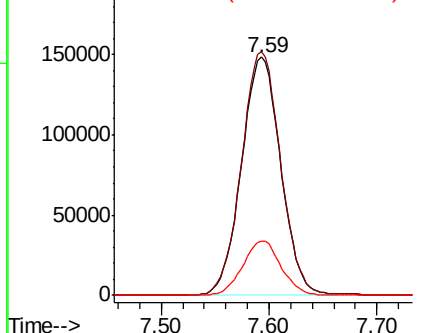
#35
 Dibromofluoromethane
 Concen: 50.49 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.0	121.6
192	22.4	17.6	26.4

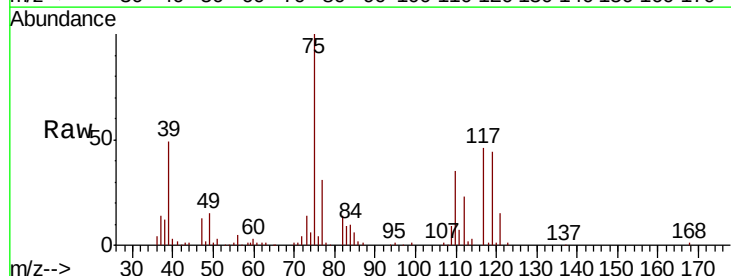


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

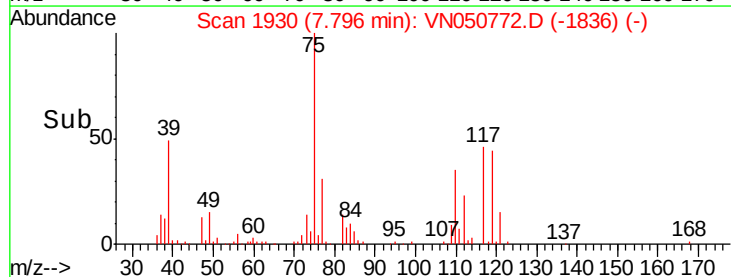
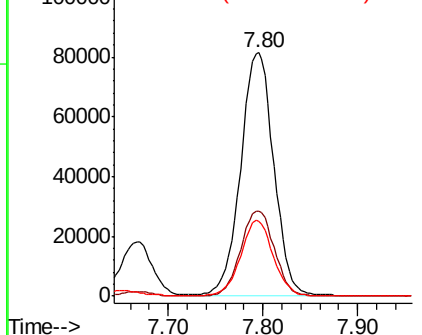


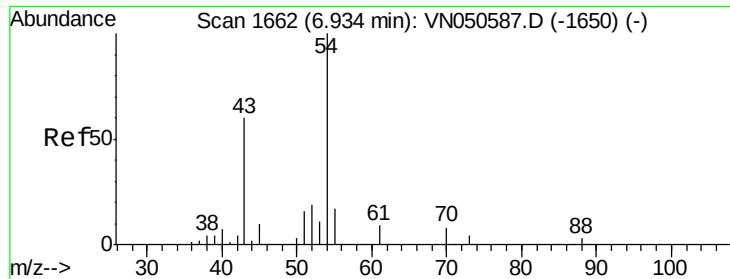
#36
 1,1-Dichloropropene
 Concen: 19.03 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.3	54.9
77	30.8	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

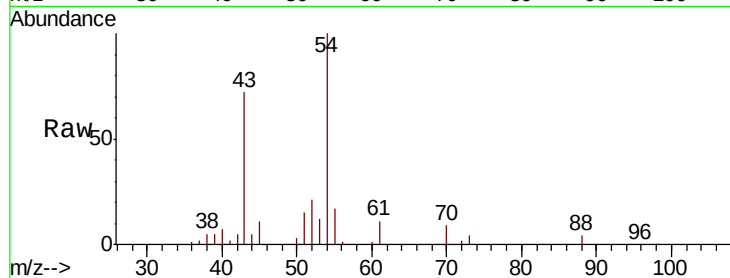




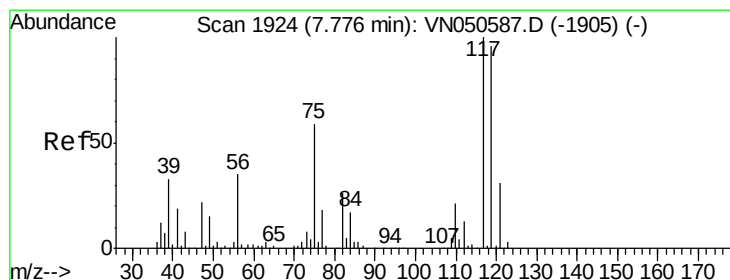
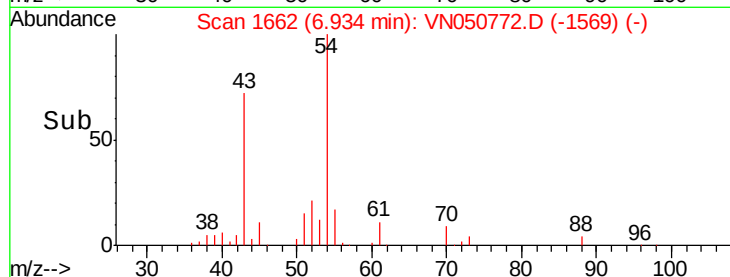
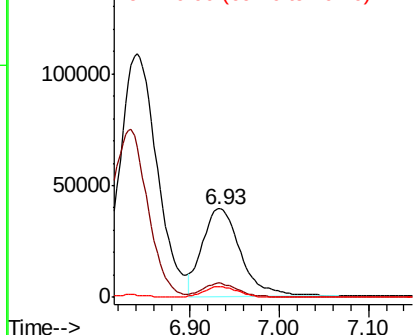
#37
Ethyl Acetate
Concen: 20.14 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

Tot Ion: 43 Resp: 117949
Ion Ratio Lower Upper
43 100
61 13.7 12.0 18.0
70 10.2 8.5 12.7

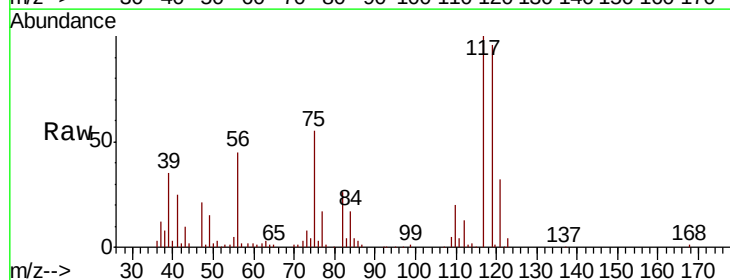


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

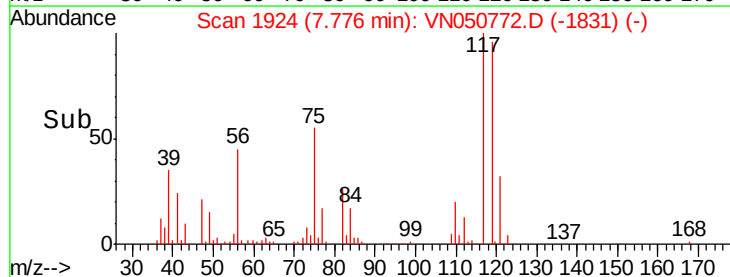
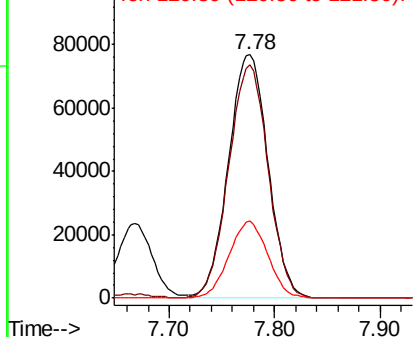


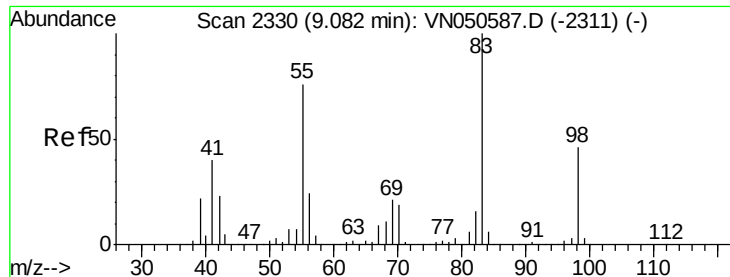
#38
Carbon Tetrachloride
Concen: 18.69 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 117 Resp: 200844
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0
121 31.5 25.0 37.6



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

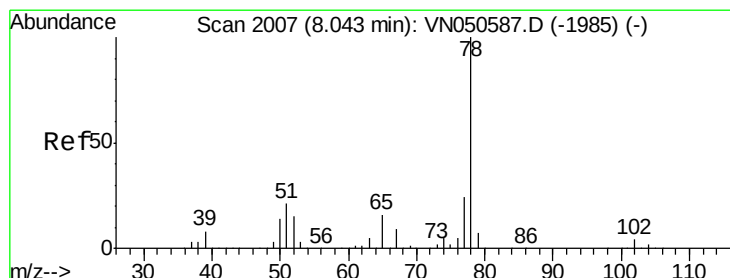
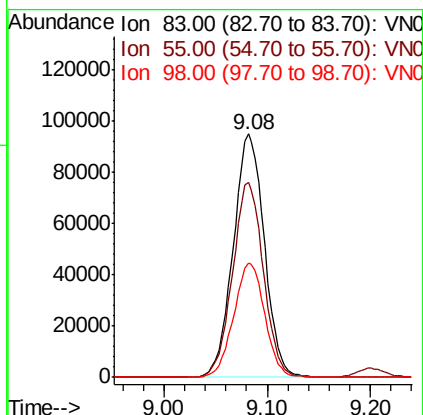
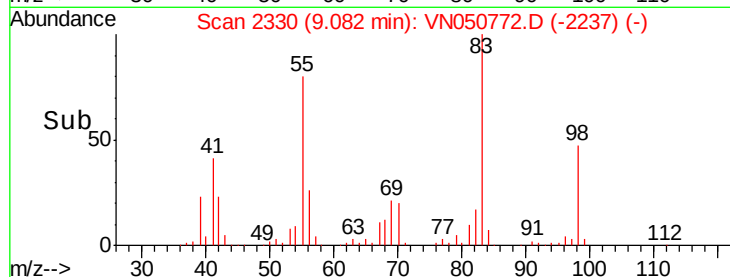
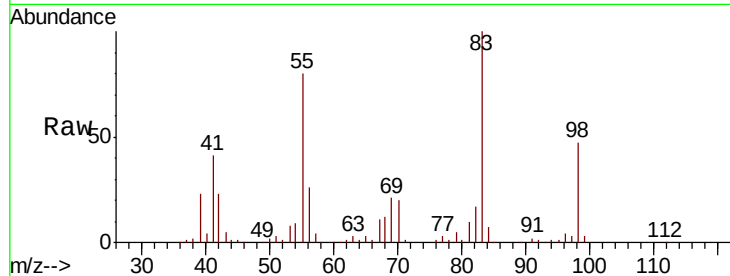




#39
Methylvlcyclohexane
Concen: 18.56 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

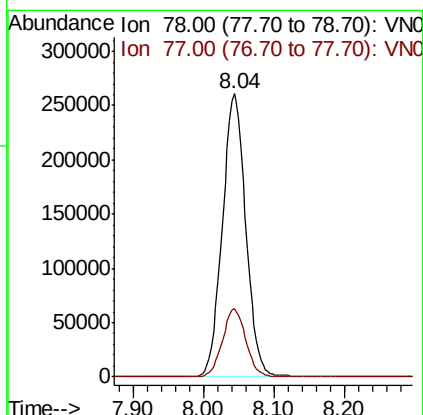
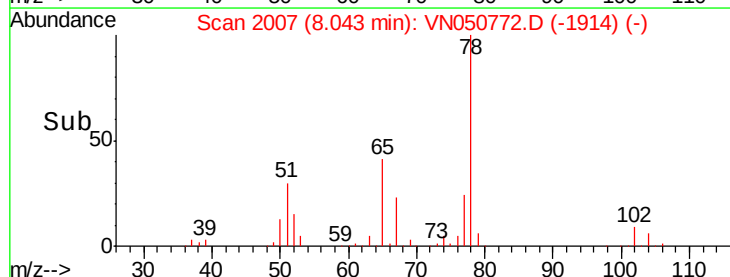
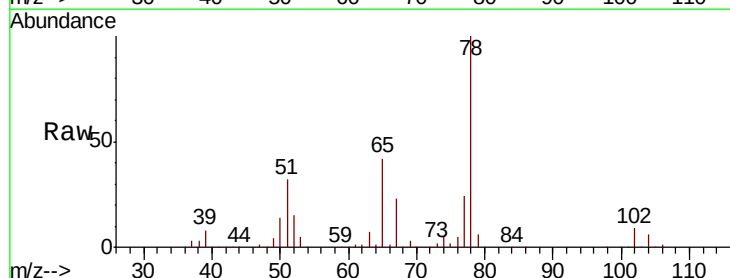
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

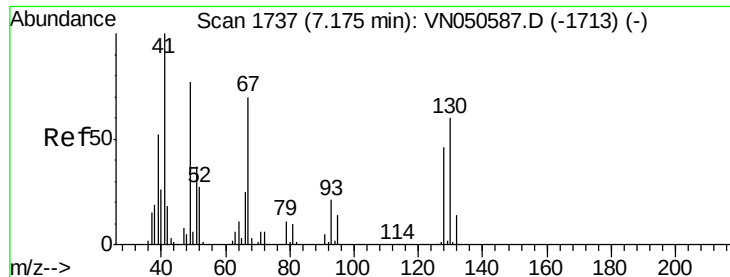
Tot Ion: 83 Resp: 199043
Ion Ratio Lower Upper
83 100
55 79.9 60.6 91.0
98 47.0 37.0 55.4



#40
Benzene
Concen: 19.27 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 78 Resp: 607395
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.6

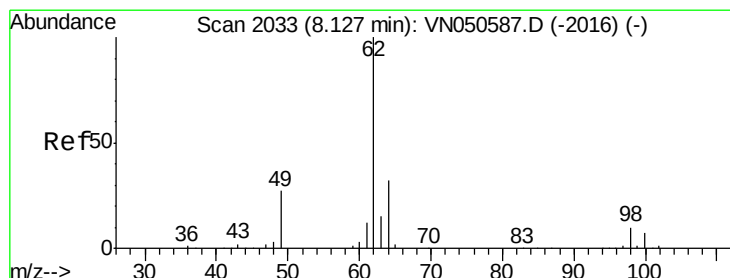
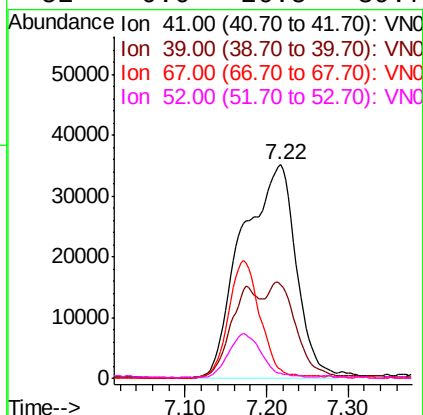
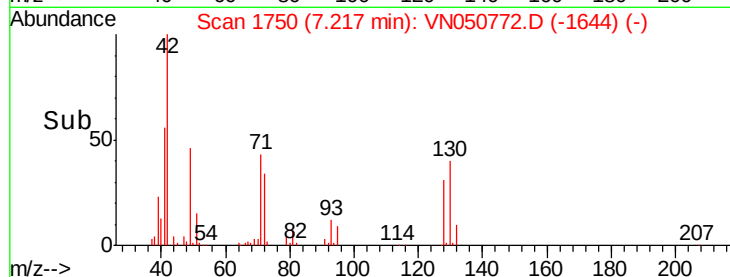
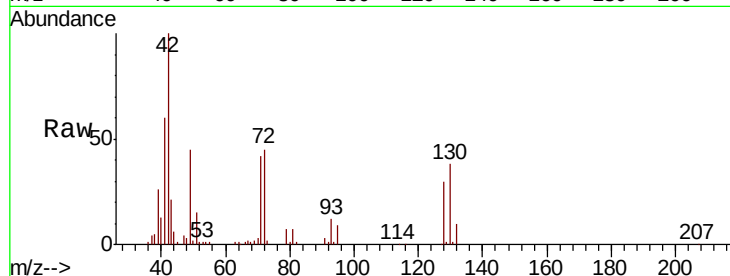




#41
Methacrylonitrile
Concen: 51.39 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

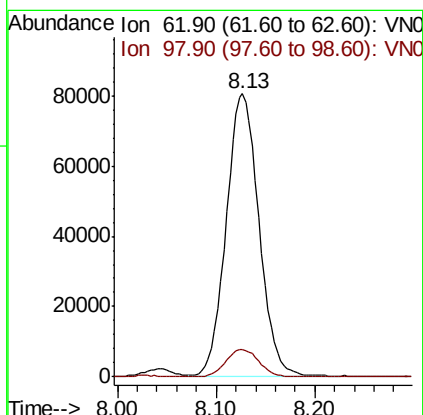
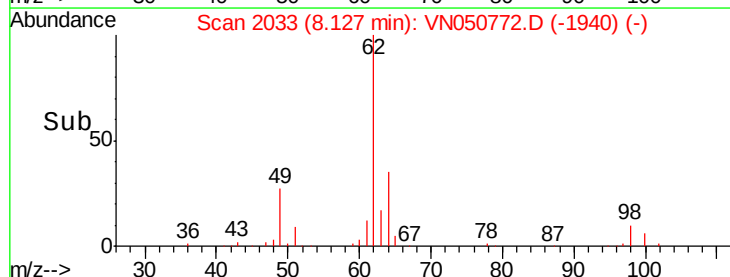
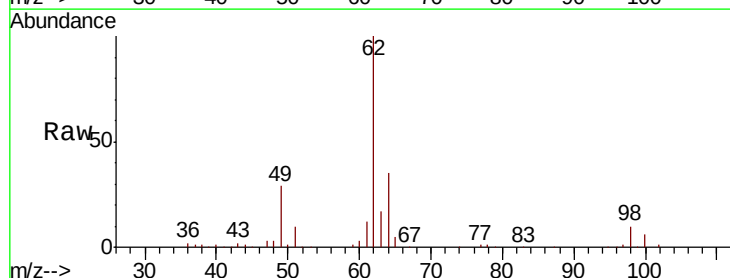
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

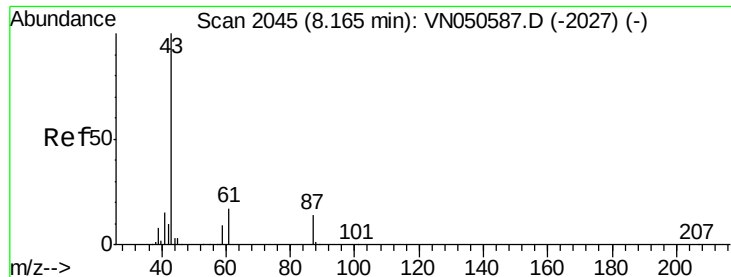
Tot Ion: 41 Resp: 162674
Ion Ratio Lower Upper
41 100
39 0.0 44.6 66.8#
67 0.0 66.7 100.1#
52 0.0 26.5 39.7#



#42
1,2-Dichloroethane
Concen: 19.26 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 62 Resp: 186037
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.41 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

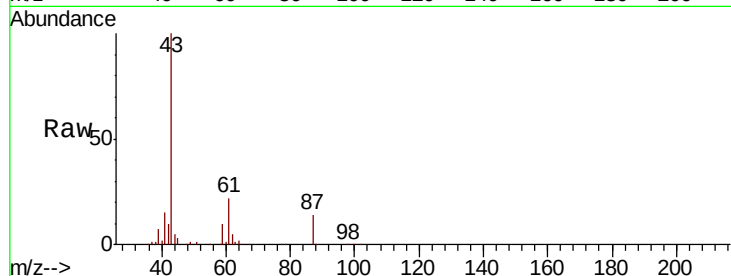
Tot Ion: 43 Resp: 207110

Ion Ratio Lower Upper

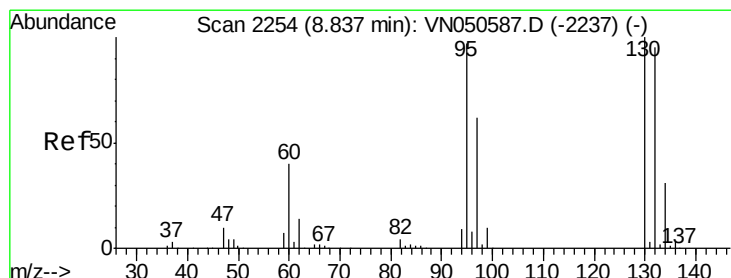
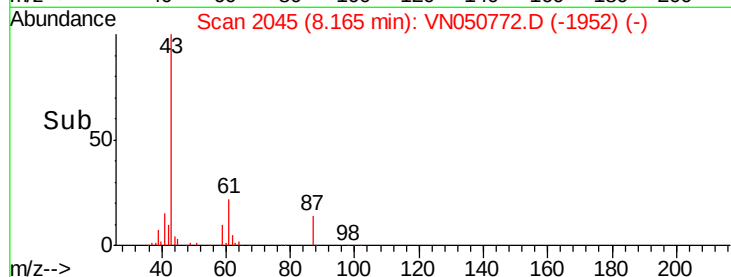
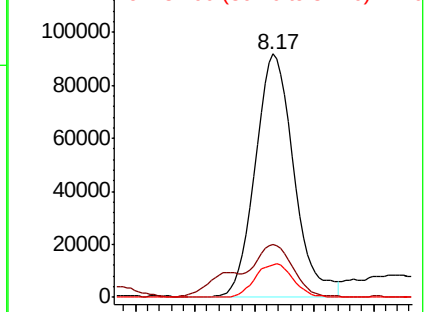
43 100

61 20.4 16.2 24.2

87 13.6 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: 18.53 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050772.D

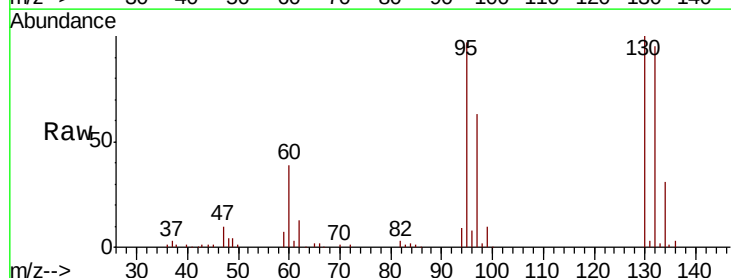
Acq: 20 Aug 2018 14:21

Tgt Ion:130 Resp: 156465

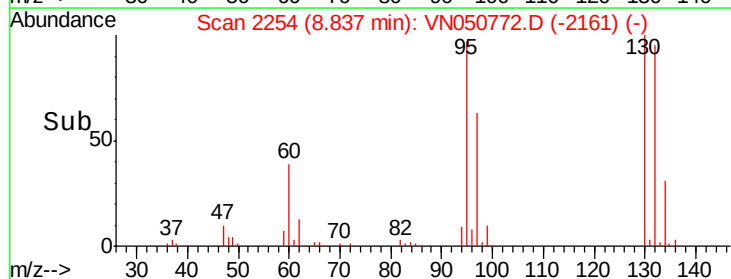
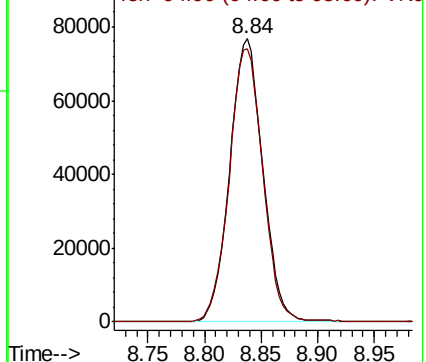
Ion Ratio Lower Upper

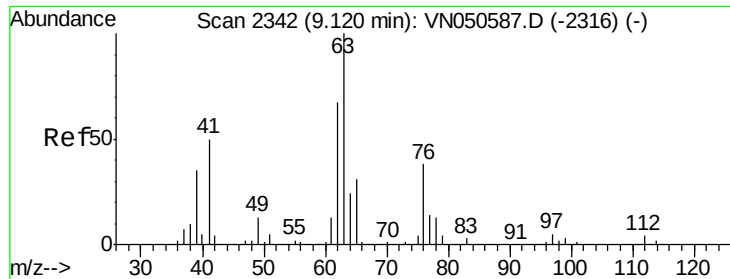
130 100

95 96.5 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

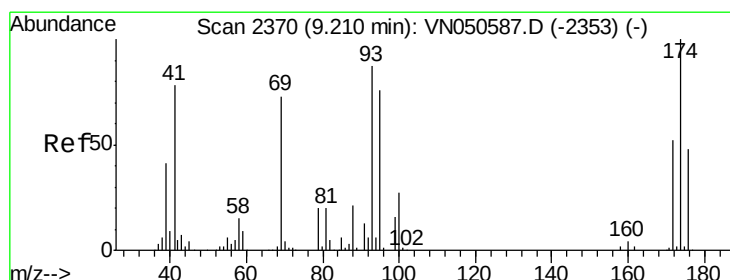
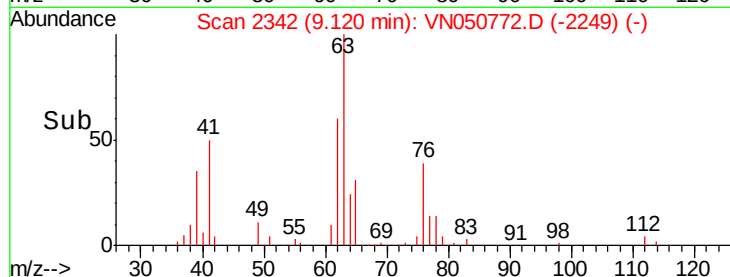
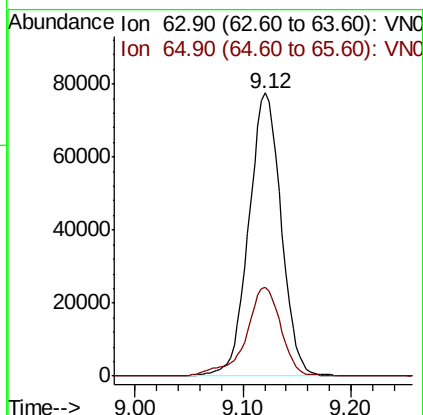
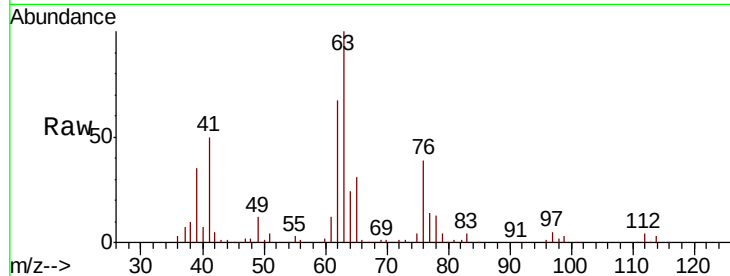




#45
 1,2-Dichloropropane
 Concen: 19.30 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

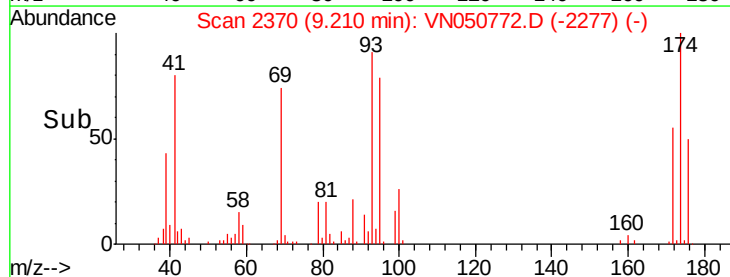
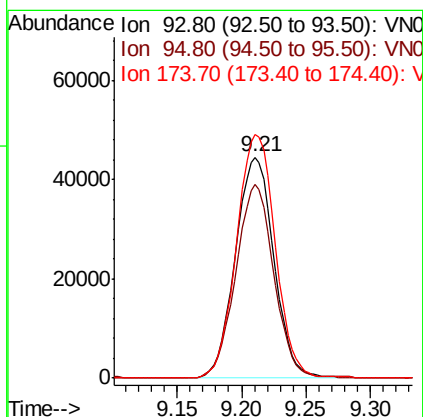
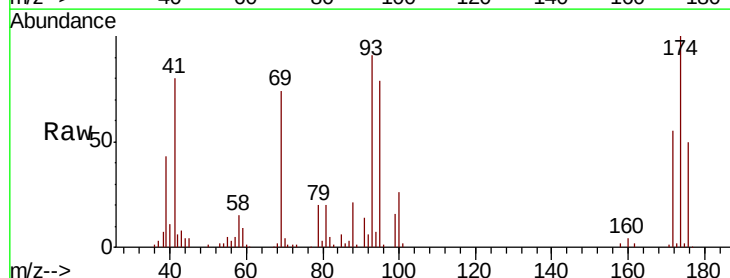
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

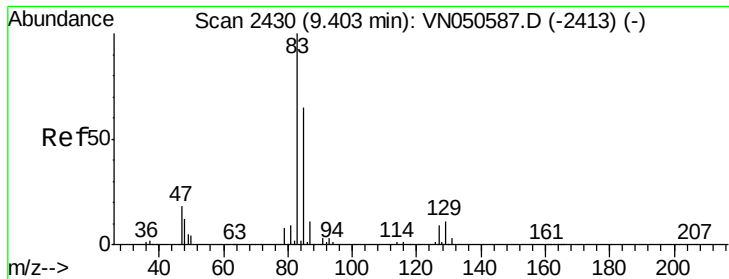
Tot Ion: 63 Resp: 161915
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7



#46
 Dibromomethane
 Concen: 18.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 93 Resp: 92648
 Ion Ratio Lower Upper
 93 100
 95 86.4 69.1 103.7
 174 110.6 91.0 136.6

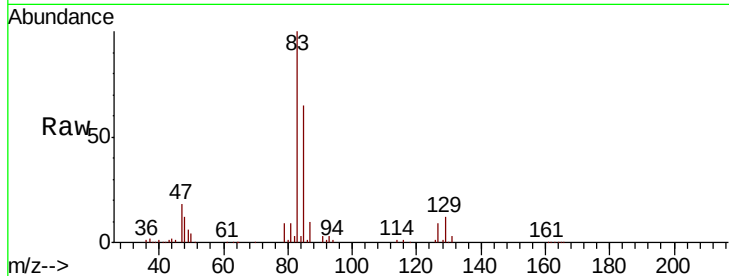




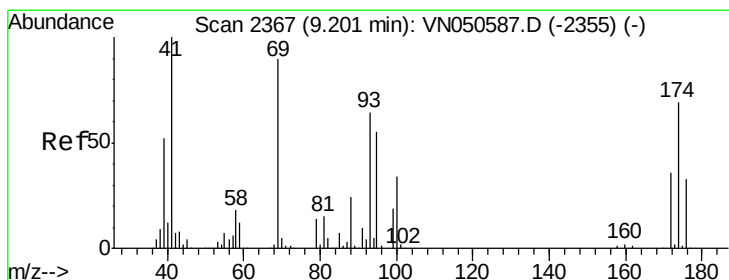
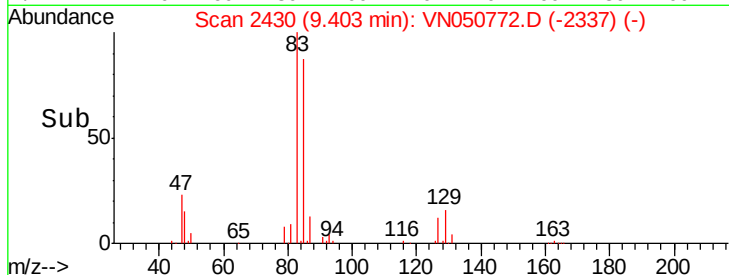
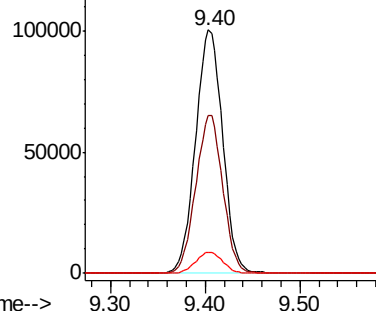
#47
Bromodichloromethane
Concen: 18.90 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion: 83 Resp: 200136
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6
127 8.6 7.2 10.8

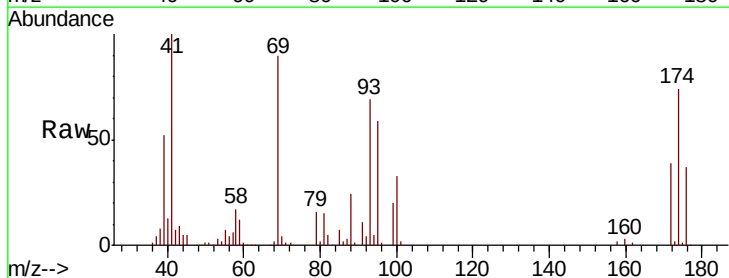


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

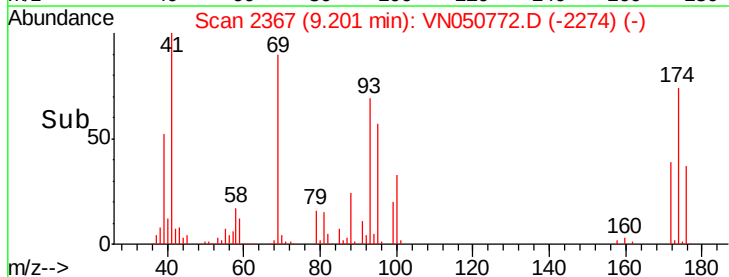
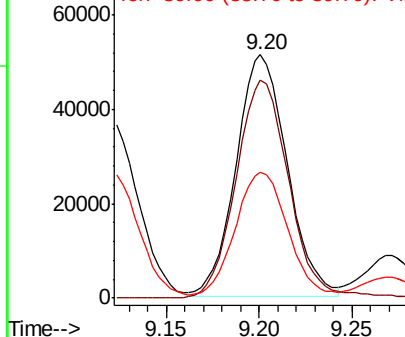


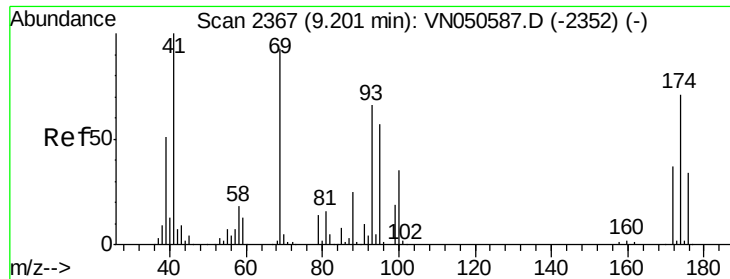
#48
Methyl methacrylate
Concen: 18.35 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 41 Resp: 98550
Ion Ratio Lower Upper
41 100
69 93.4 73.4 110.0
39 53.4 43.0 64.6



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

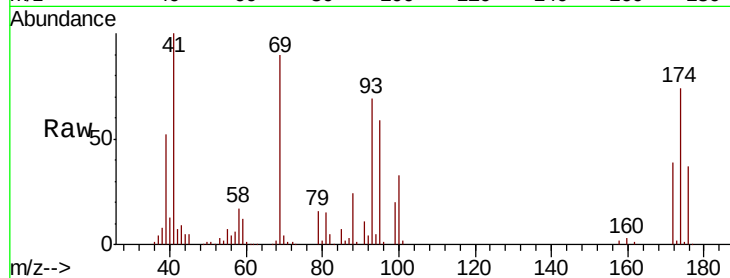




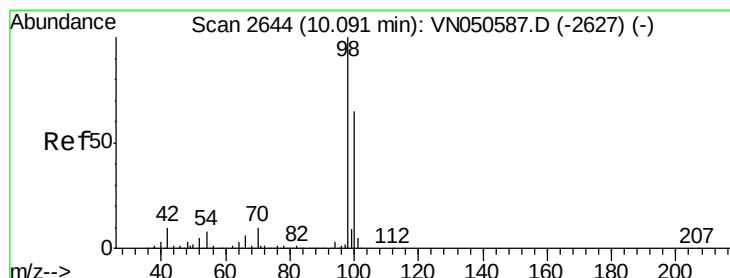
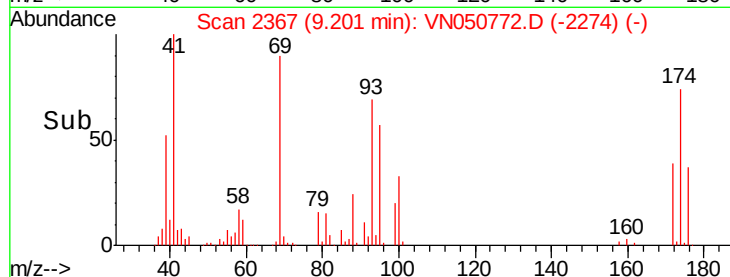
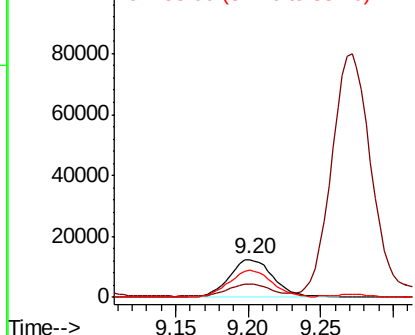
#49
 1,4-Dioxane
 Concen: 370.83 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

Tot Ion: 88 Resp: 26232
 Ion Ratio Lower Upper
 88 100
 43 32.2 25.9 38.9
 58 70.3 56.5 84.7

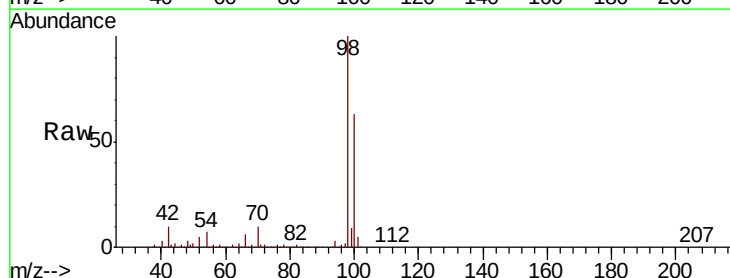


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

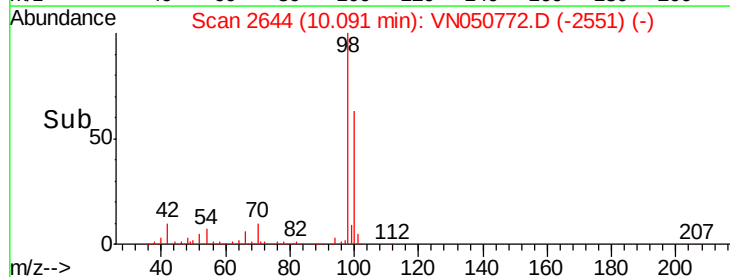
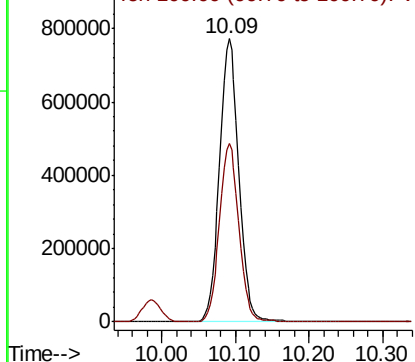


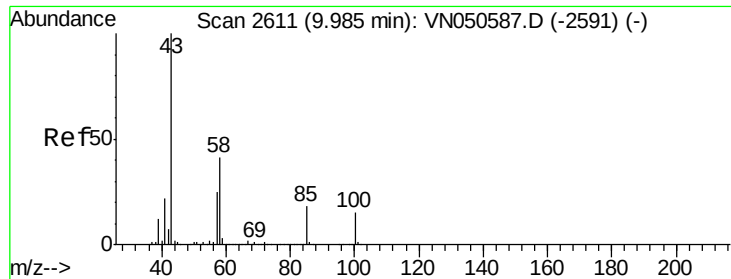
#50
 Toluene-d8
 Concen: 50.30 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 98 Resp: 1406431
 Ion Ratio Lower Upper
 98 100
 100 63.8 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: 99.18 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

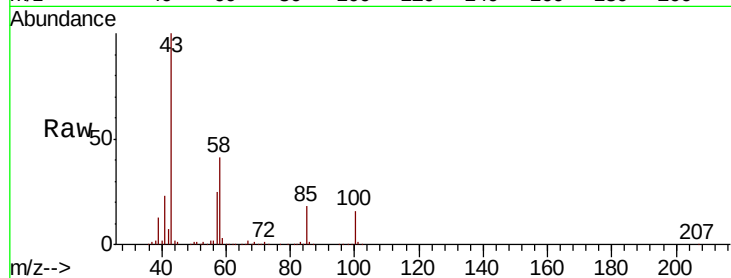
VN0820WBSD02

Tot Ion: 43 Resp: 715819

Ion Ratio Lower Upper

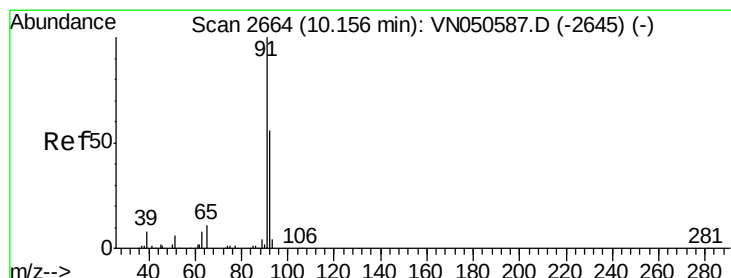
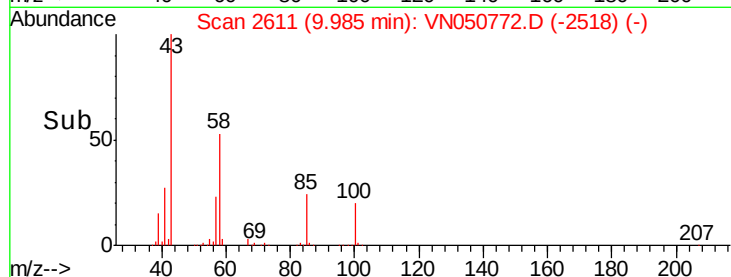
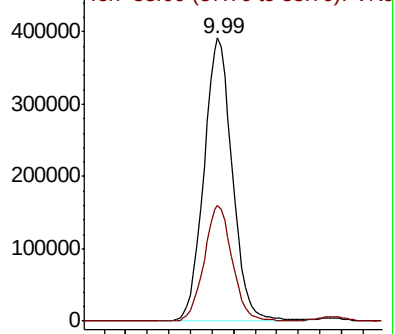
43 100

58 40.5 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.60 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050772.D

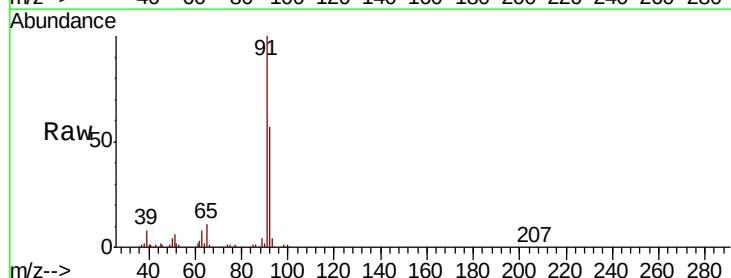
Acq: 20 Aug 2018 14:21

Tgt Ion: 92 Resp: 368845

Ion Ratio Lower Upper

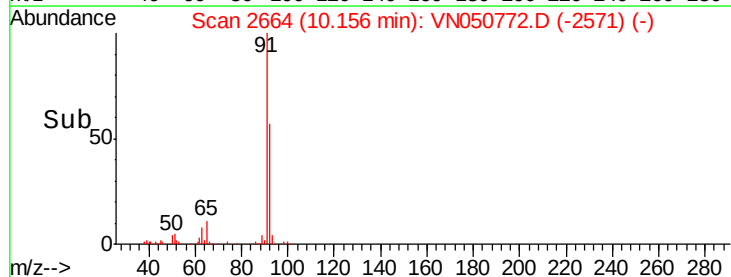
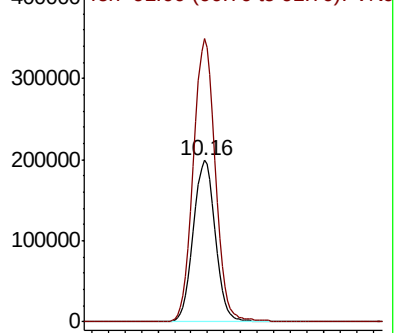
92 100

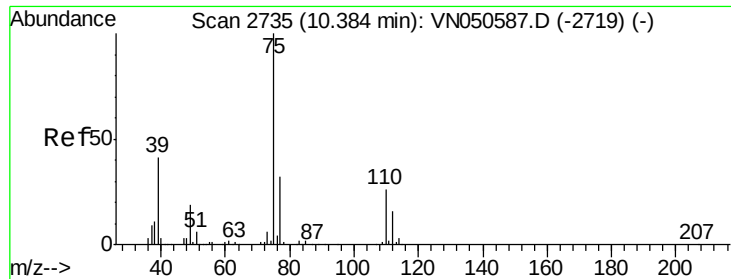
91 174.7 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.17 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

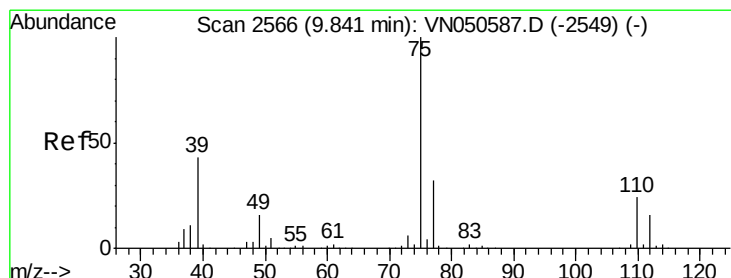
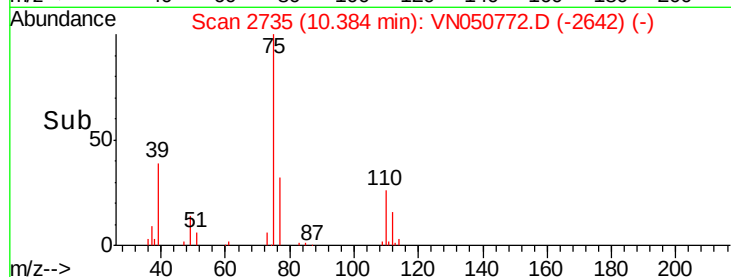
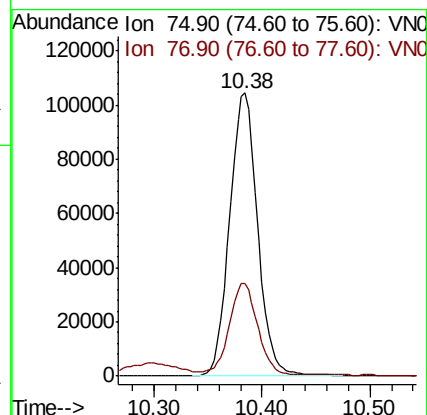
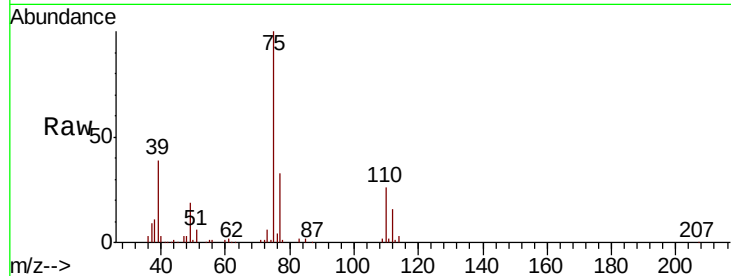
VN0820WBSD02

Tot Ion: 75 Resp: 189097

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

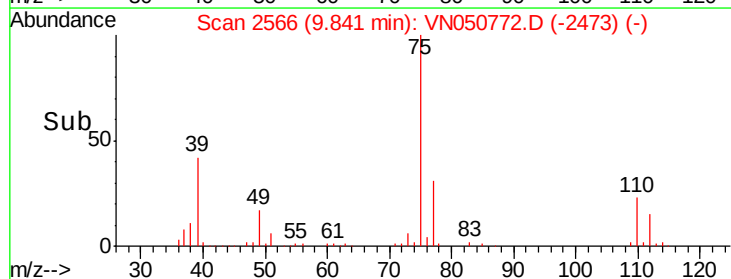
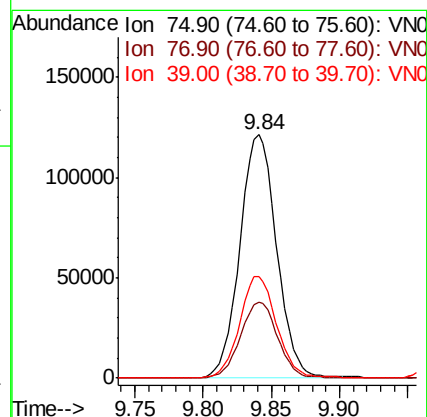
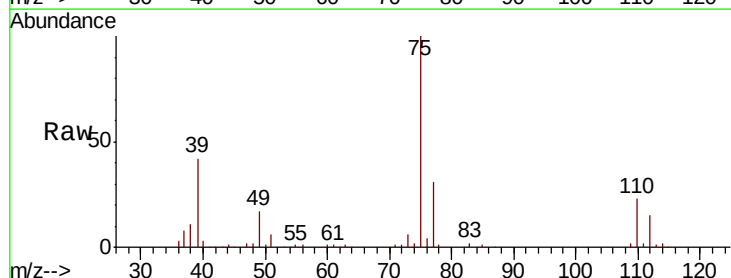
Tgt Ion: 75 Resp: 227727

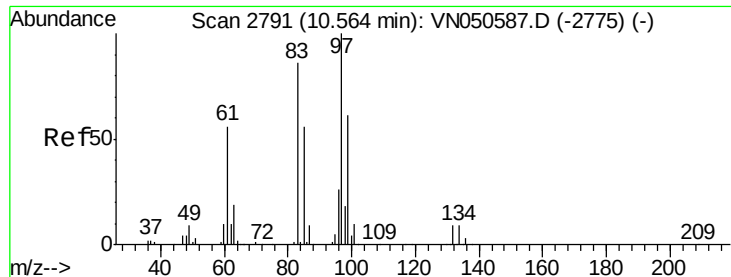
Ion Ratio Lower Upper

75 100

77 31.1 25.6 38.4

39 41.9 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 19.12 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

Tot Ion: 97 Resp: 134376

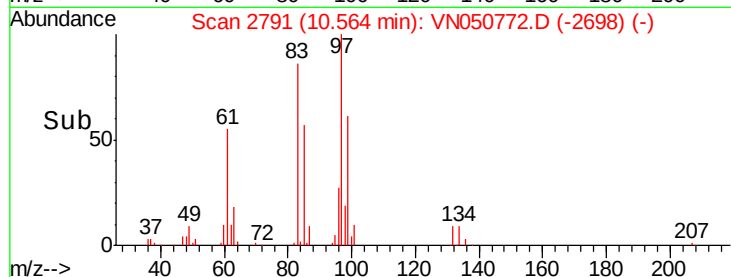
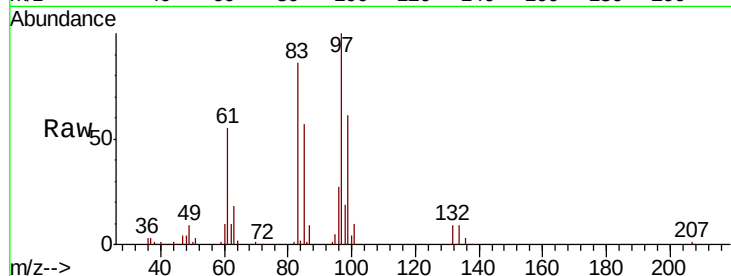
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.5	102.7
85	56.6	44.6	66.8
99	61.4	49.1	73.7

97 100

83 86.1 68.5 102.7

85 56.6 44.6 66.8

99 61.4 49.1 73.7

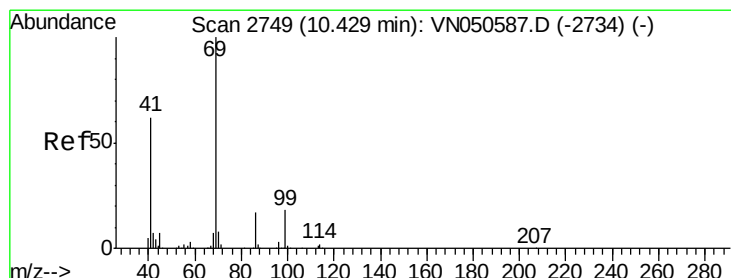
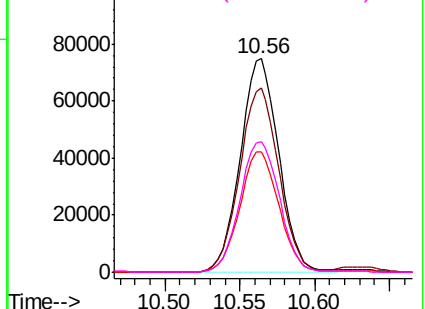


Abundance Ion 96.90 (96.60 to 97.60): VN0

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



#56

Ethyl methacrylate

Concen: 18.41 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

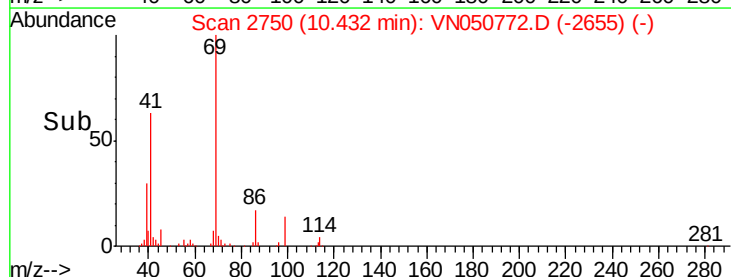
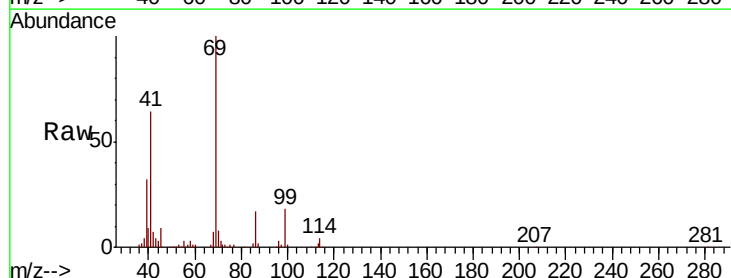
Tgt Ion: 69 Resp: 153882

Ion	Ratio	Lower	Upper
69	100		
41	62.7	49.7	74.5
39	30.9	24.2	36.2

69 100

41 62.7 49.7 74.5

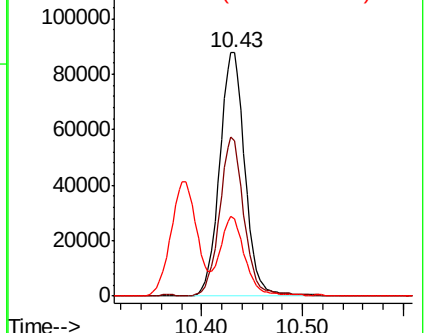
39 30.9 24.2 36.2

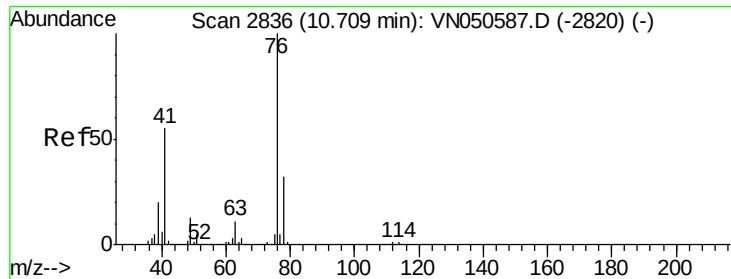


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

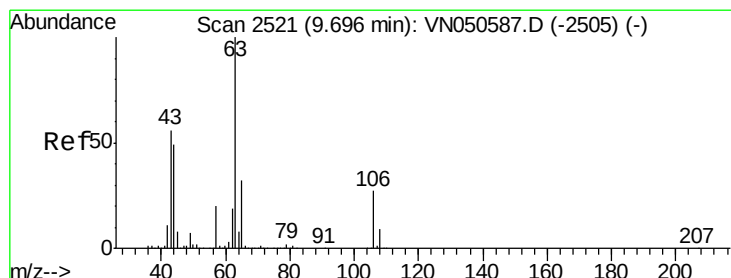
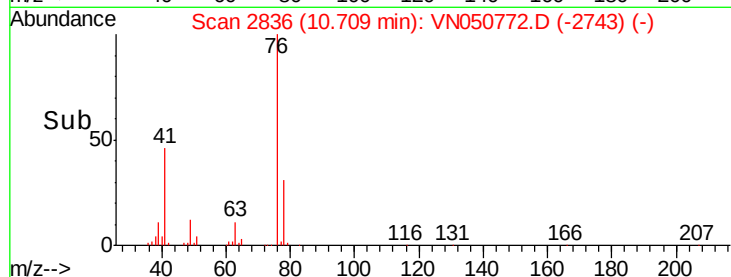
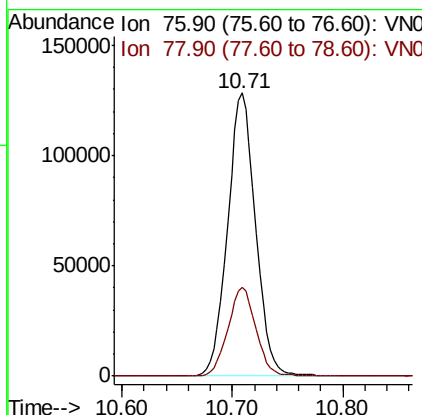
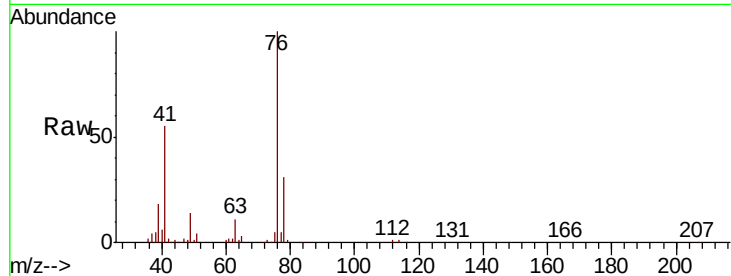




#57
 1,3-Dichloropropane
 Concen: 19.57 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

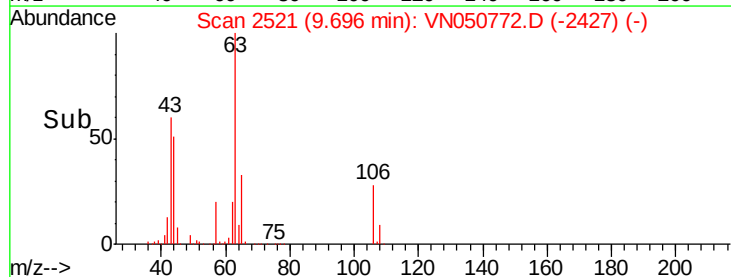
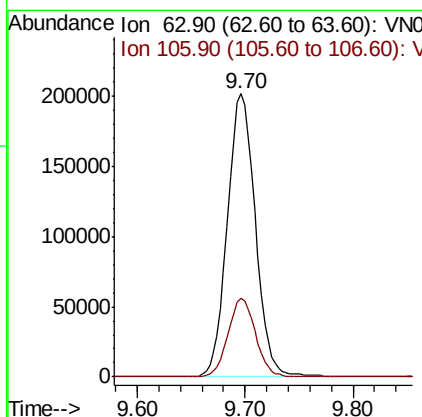
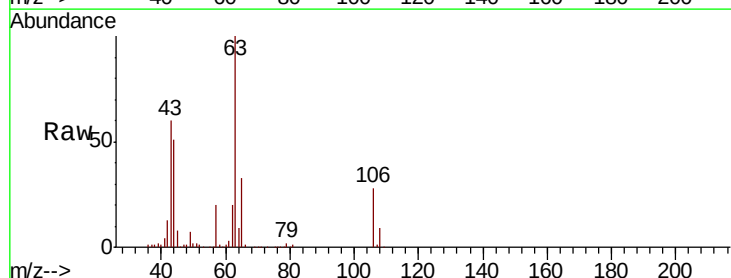
Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBSD02

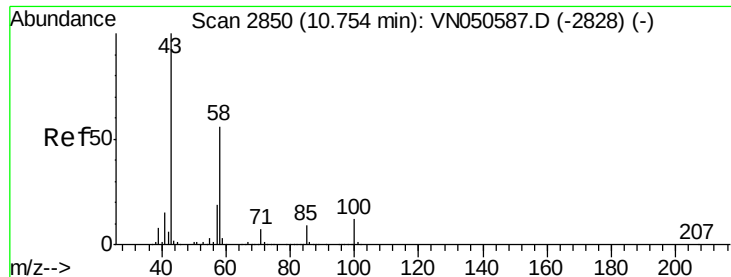
Tot Ion: 76 Resp: 22528
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 63 Resp: 367147
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.7 32.5

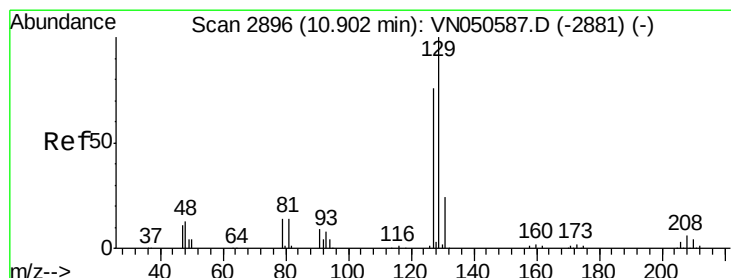
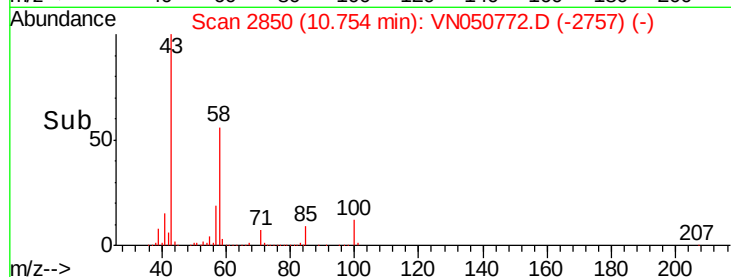
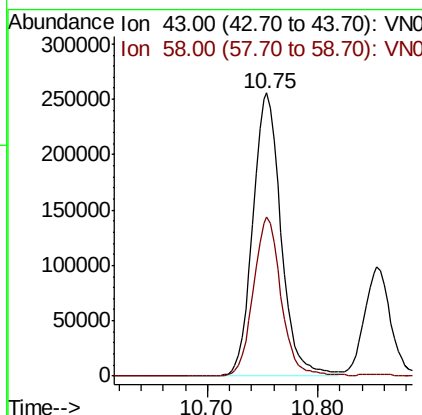
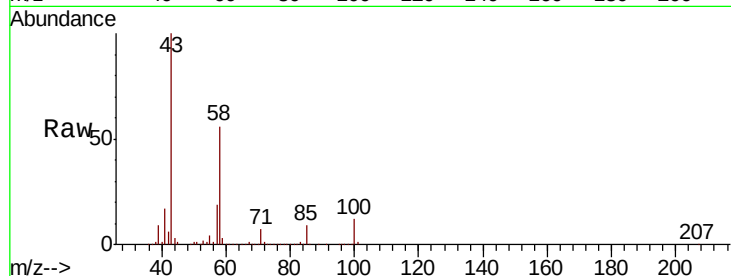




#59
2-Hexanone
Concen: 97.10 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

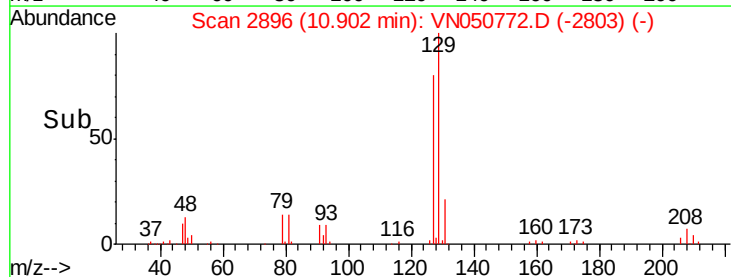
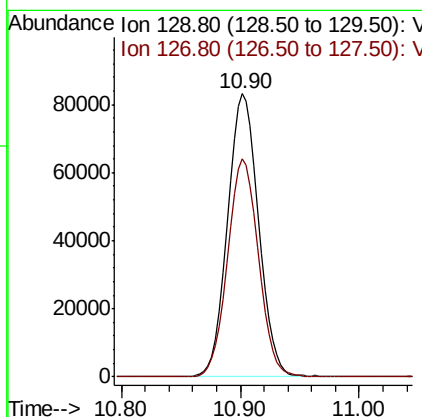
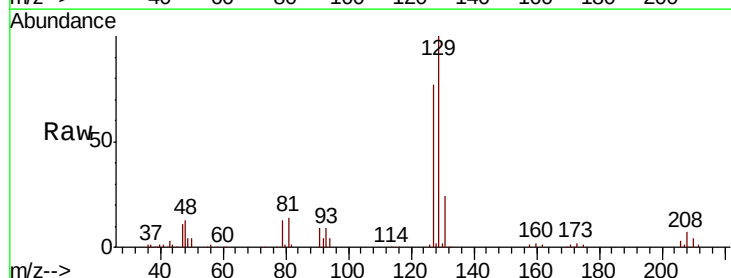
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

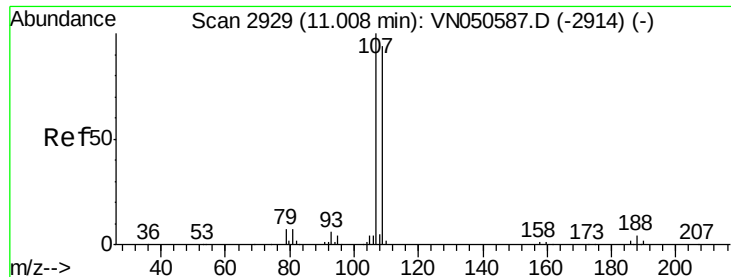
Tot Ion: 43 Resp: 452305
Ion Ratio Lower Upper
43 100
58 55.4 28.0 84.0



#60
Dibromochloromethane
Concen: 19.37 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 129 Resp: 150237
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.7

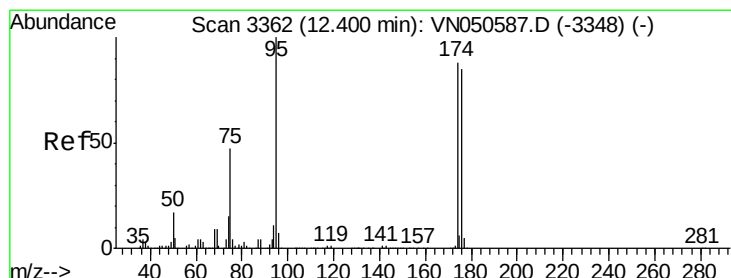
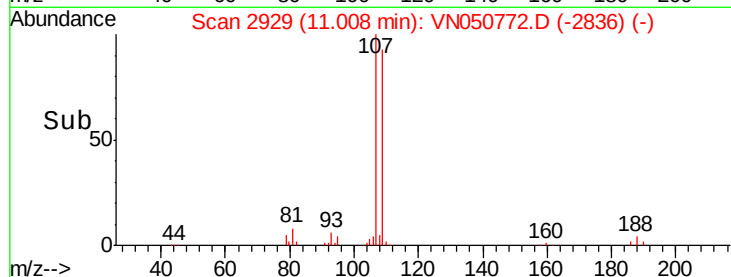
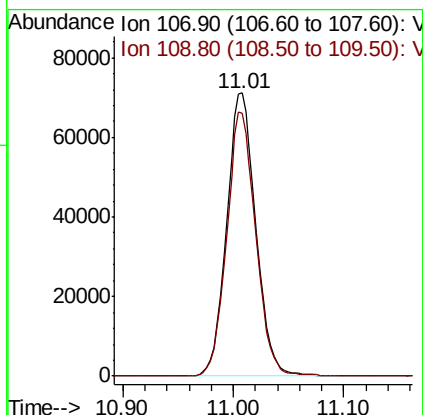
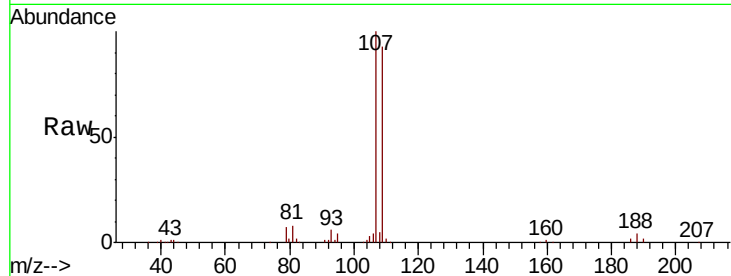




#61
 1,2-Dibromoethane
 Concen: 19.42 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

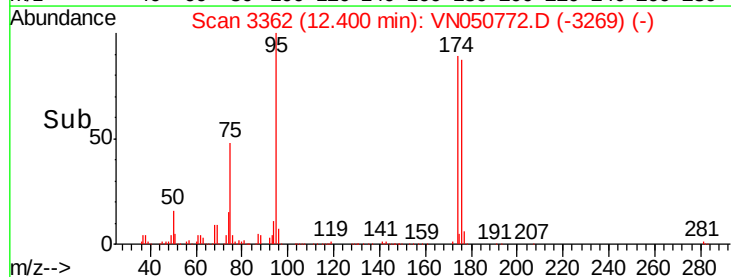
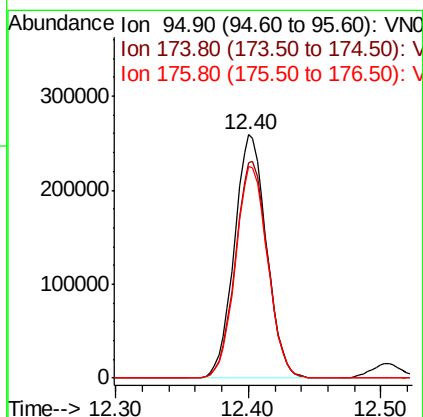
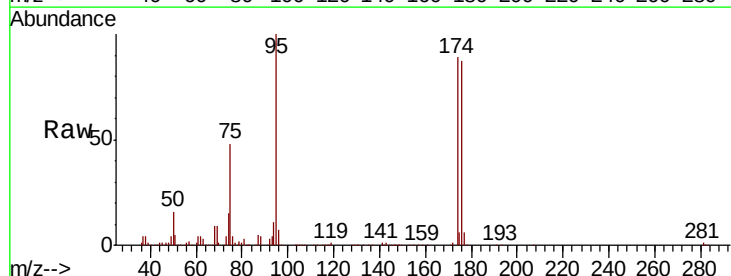
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

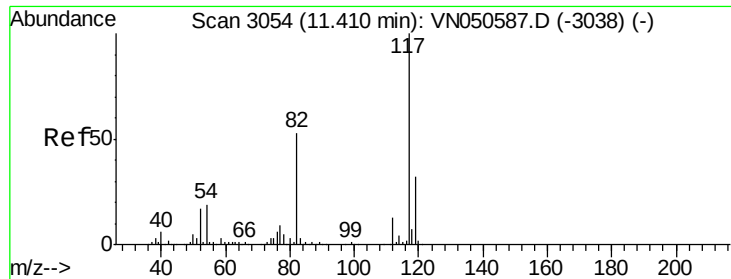
Tot Ion:107 Resp: 129998
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.17 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion: 95 Resp: 435749
 Ion Ratio Lower Upper
 95 100
 174 89.9 0.0 177.8
 176 87.2 0.0 175.0

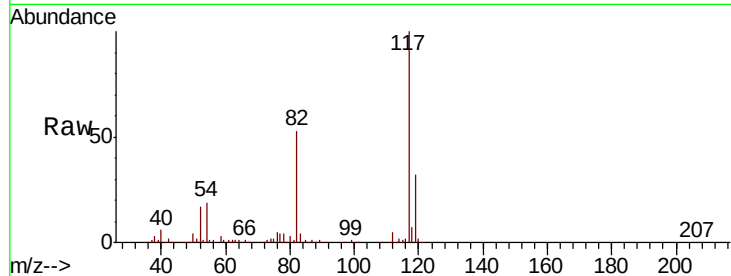




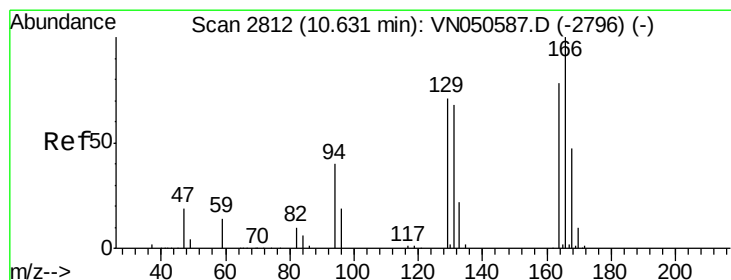
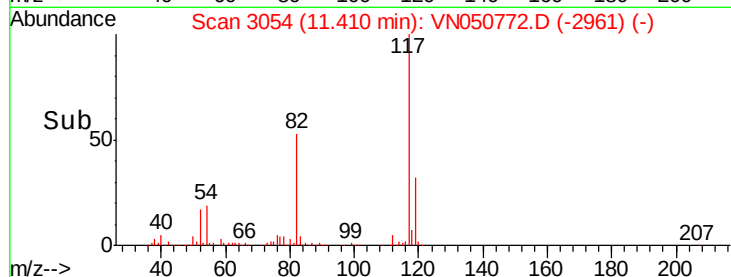
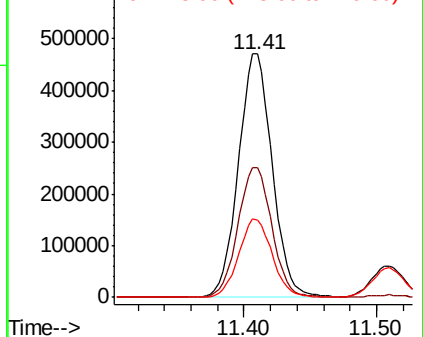
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

Tot Ion:117 Resp: 832545
Ion Ratio Lower Upper
117 100
82 53.4 42.4 63.6
119 31.9 25.8 38.8

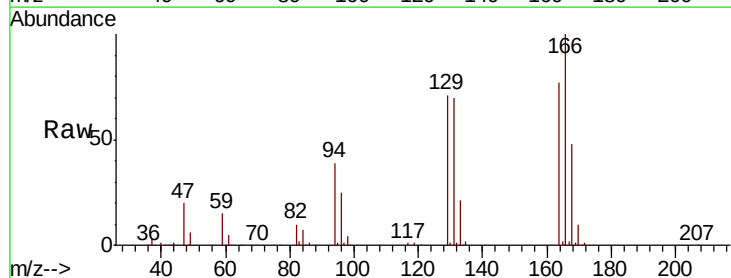


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

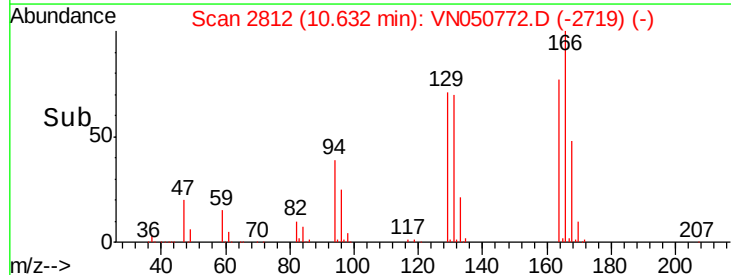
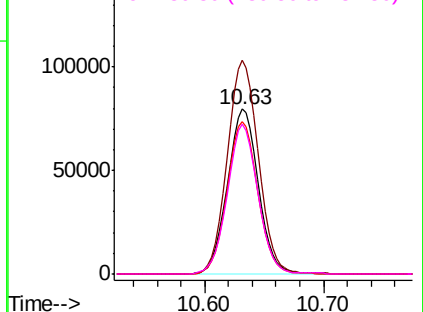


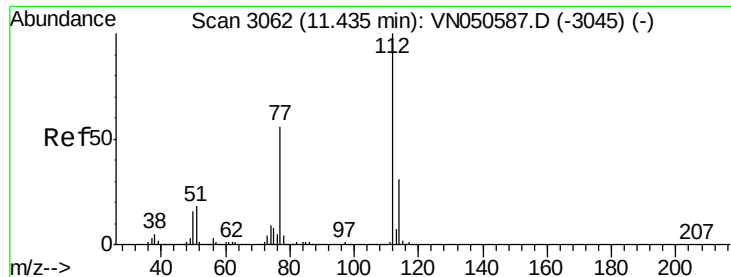
#64
Tetrachloroethene
Concen: 18.54 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion:164 Resp: 143372
Ion Ratio Lower Upper
164 100
166 129.4 102.1 153.1
129 92.3 72.7 109.1
131 90.7 69.9 104.9



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

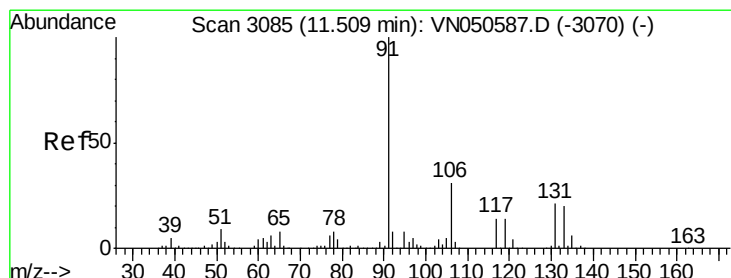
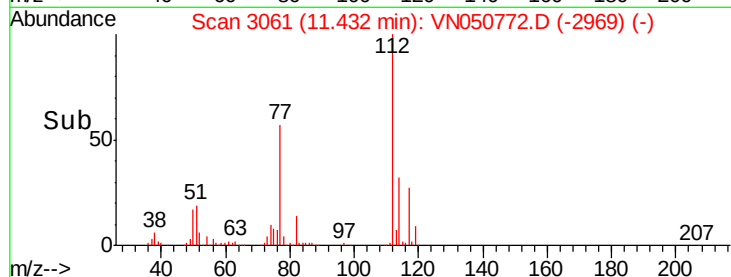
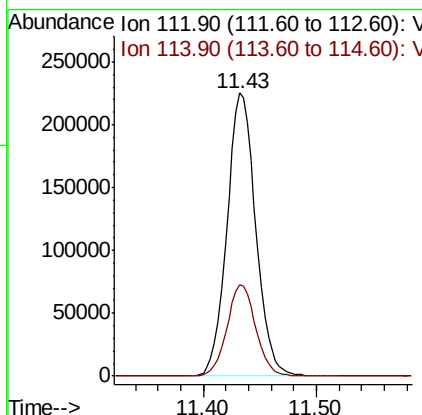
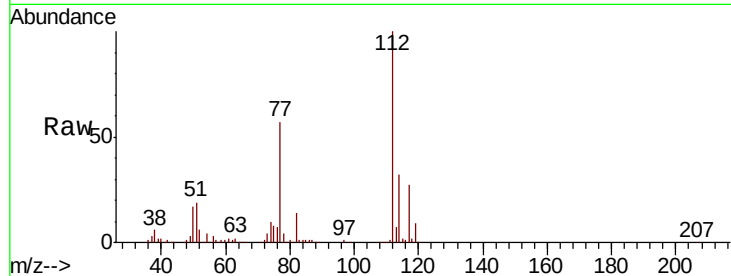




#65
Chlorobenzene
Concen: 19.22 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

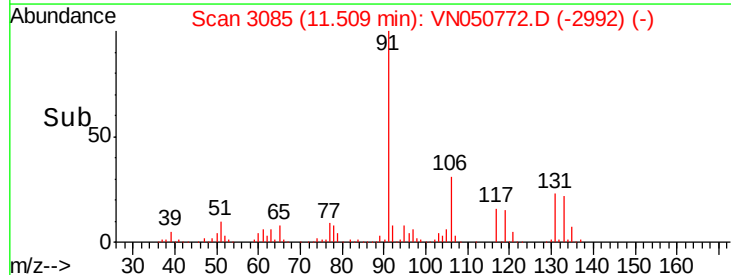
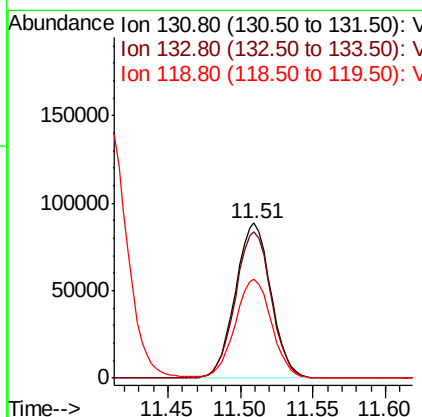
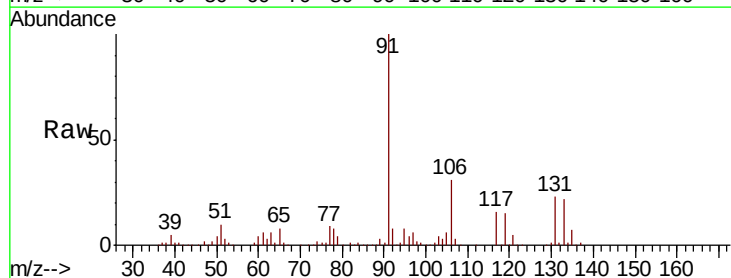
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

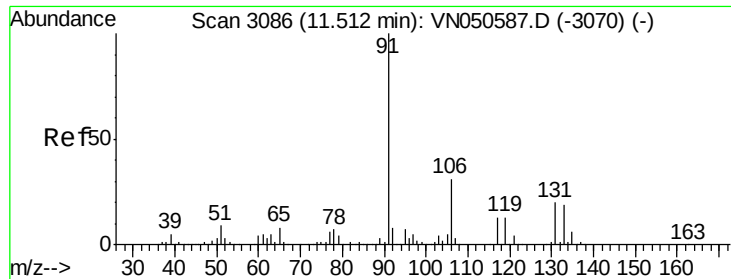
Tot Ion:112 Resp: 398261
Ion Ratio Lower Upper
112 100
114 32.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.48 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion:131 Resp: 151272
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.9
119 65.4 33.1 99.3

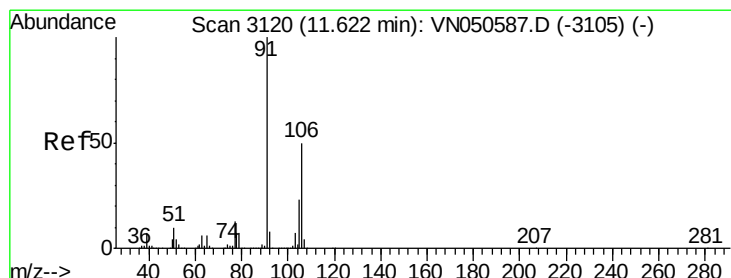
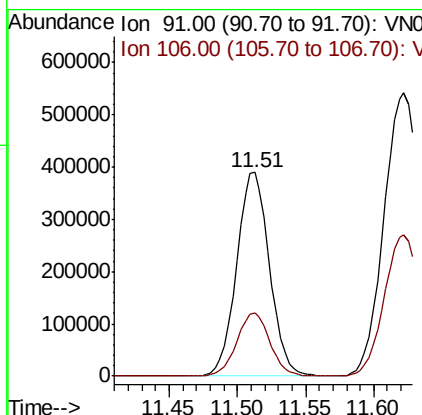
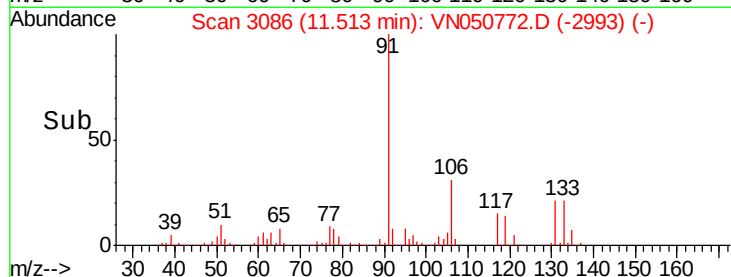
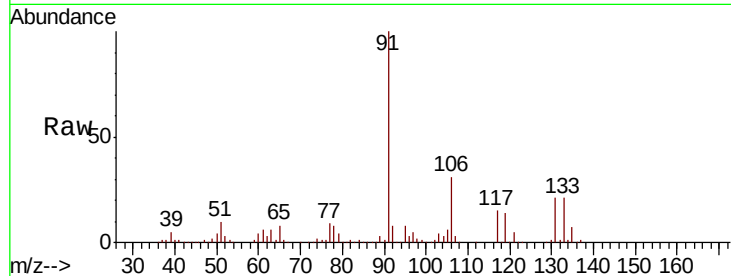




#67
Ethyl Benzene
Concen: 19.46 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

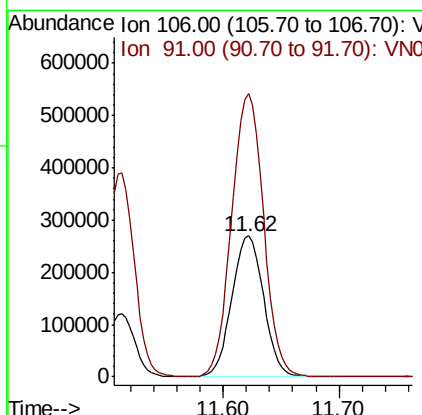
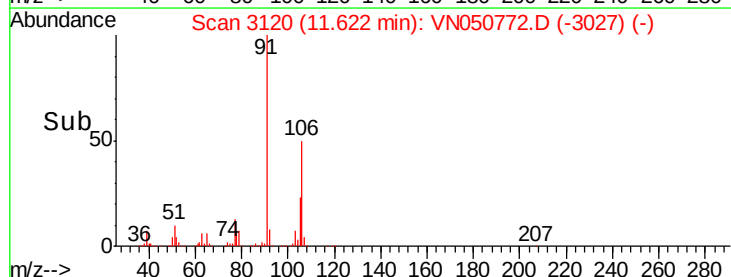
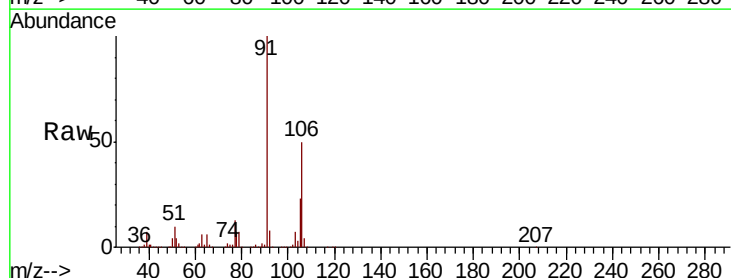
Instrument :
MSVOA_N
ClientSampled :
VN0820WBSD02

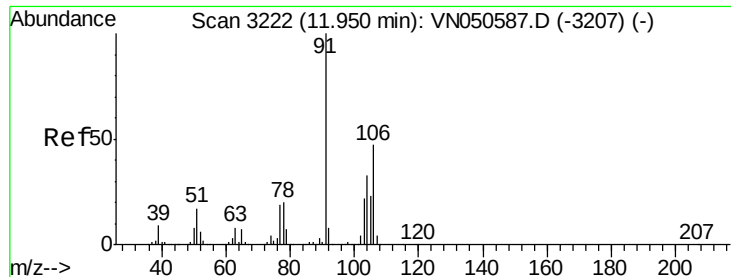
Tot Ion: 91 Resp: 651099
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2



#68
m/p-Xylenes
Concen: 40.06 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion: 106 Resp: 512585
Ion Ratio Lower Upper
106 100
91 201.7 161.5 242.3

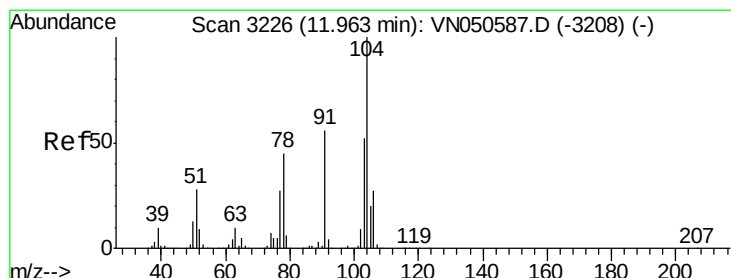
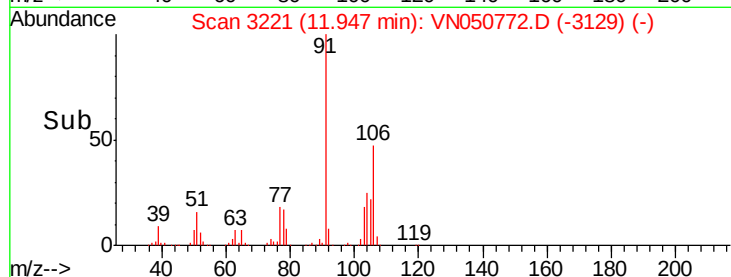
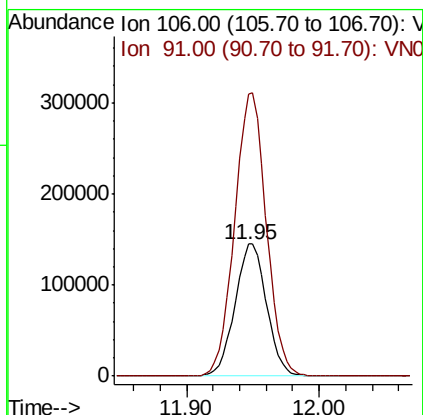
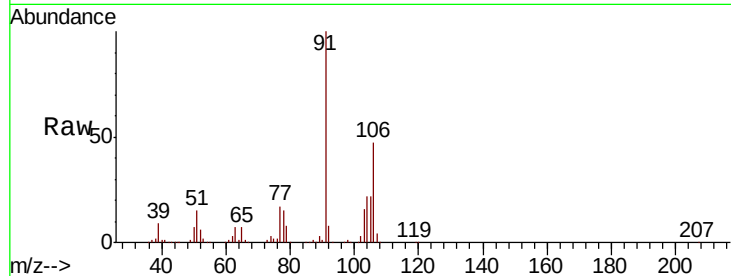




#69
o-Xylene
Concen: 19.69 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

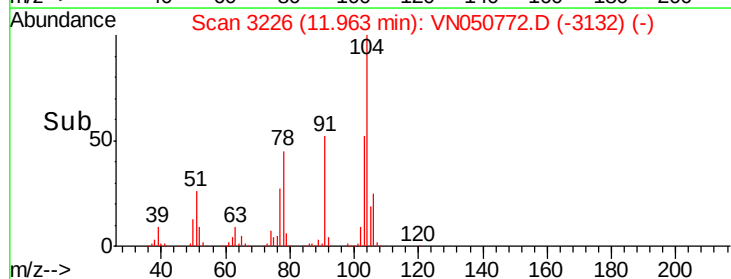
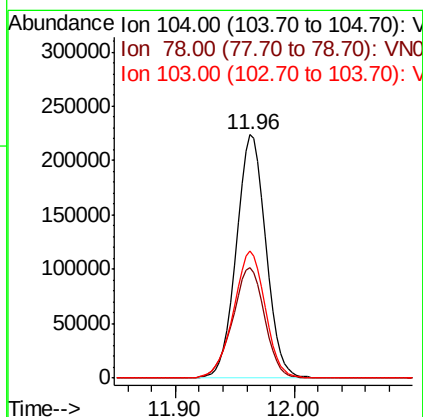
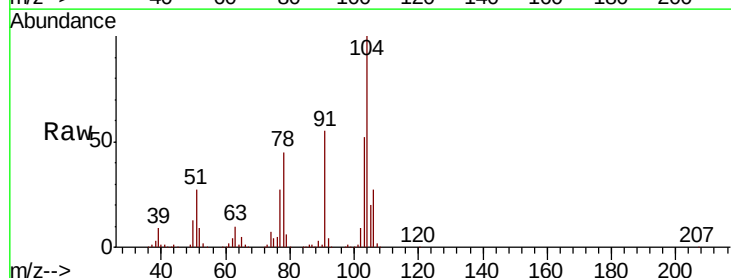
Instrument :
MSVOA_N
ClientSampleId :
VN0820WBSD02

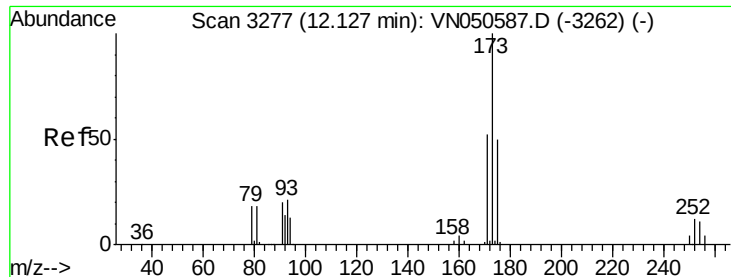
Tot Ion:106 Resp: 240183
Ion Ratio Lower Upper
106 100
91 214.5 106.8 320.4



#70
Styrene
Concen: 18.39 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050772.D
Acq: 20 Aug 2018 14:21

Tgt Ion:104 Resp: 385956
Ion Ratio Lower Upper
104 100
78 49.5 39.1 58.7
103 56.1 44.9 67.3





#71

Bromoform

Concen: 19.52 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

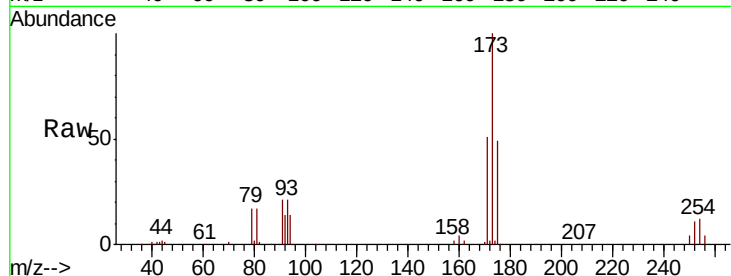
Tot Ion:173 Resp: 100512

Ion Ratio Lower Upper

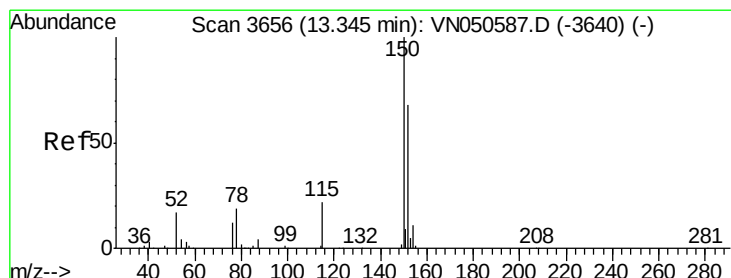
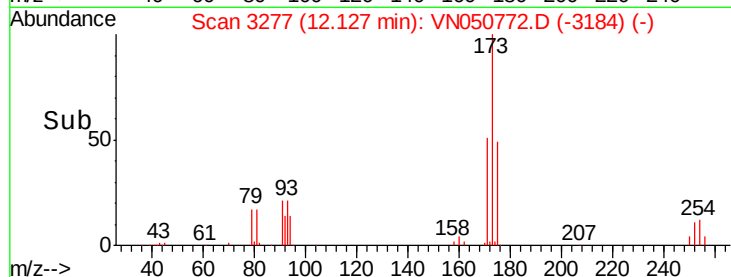
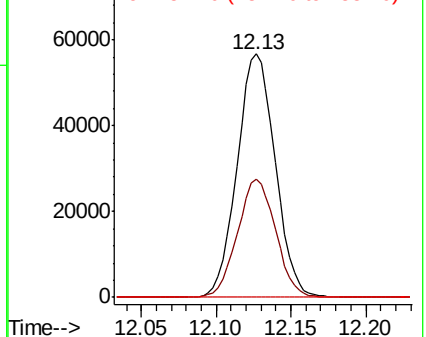
173 100

175 48.5 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: VN050772.D

Acq: 20 Aug 2018 14:21

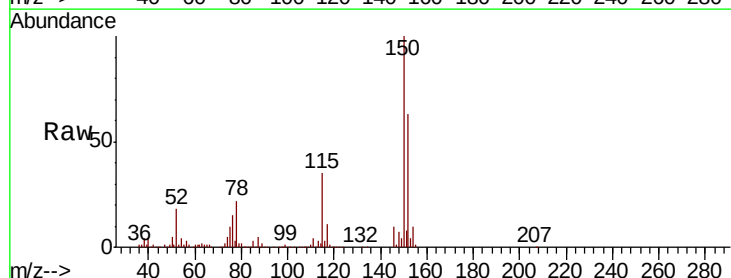
Tgt Ion:152 Resp: 391045

Ion Ratio Lower Upper

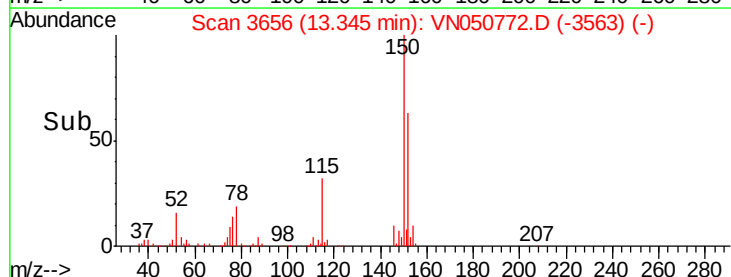
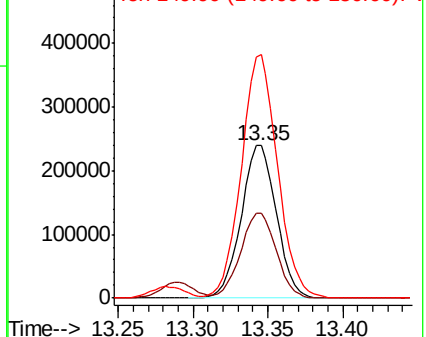
152 100

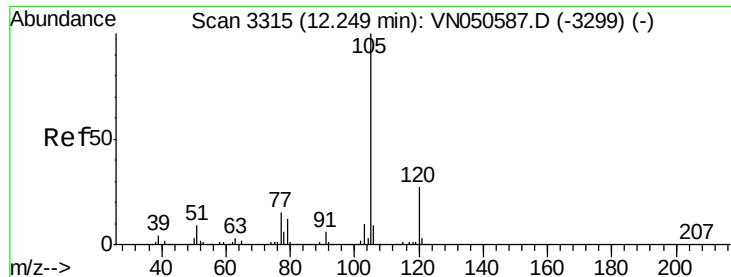
115 56.3 28.1 84.2

150 164.6 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: 20.91 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

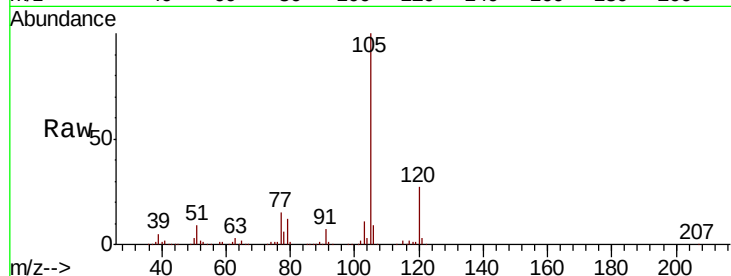
VN0820WBSD02

Tot Ion:105 Resp: 638877

Ion Ratio Lower Upper

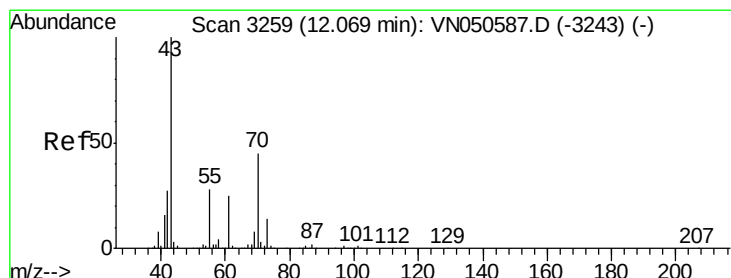
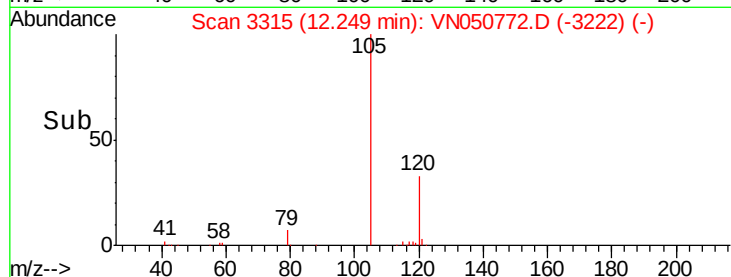
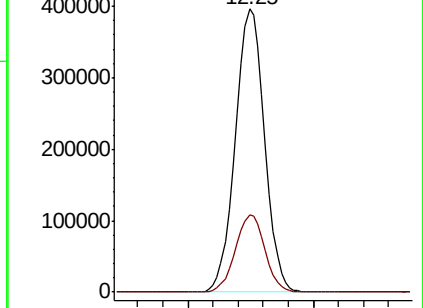
105 100

120 27.6 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: 19.13 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Tgt Ion: 43 Resp: 152076

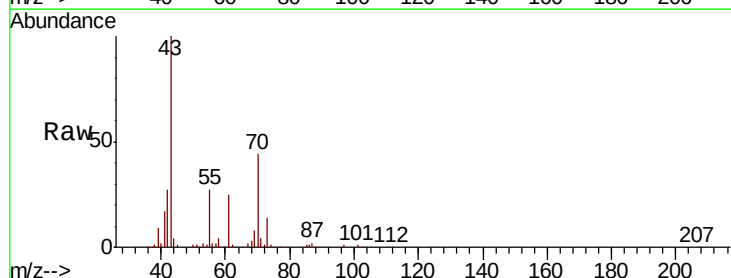
Ion Ratio Lower Upper

43 100

70 44.4 35.9 53.9

55 27.9 22.2 33.4

61 25.0 20.0 30.0

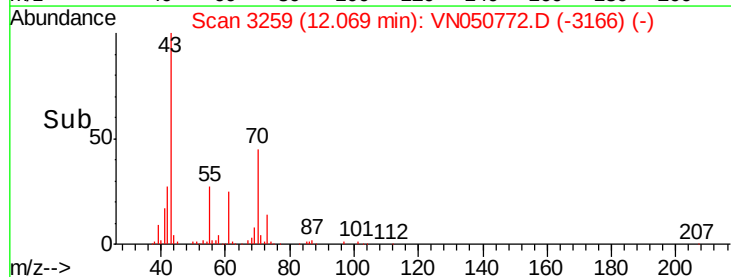
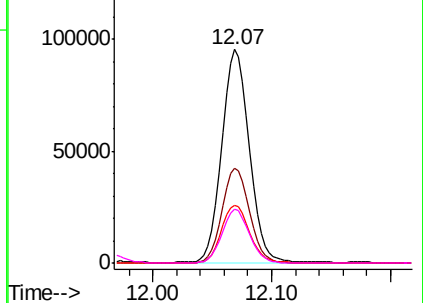


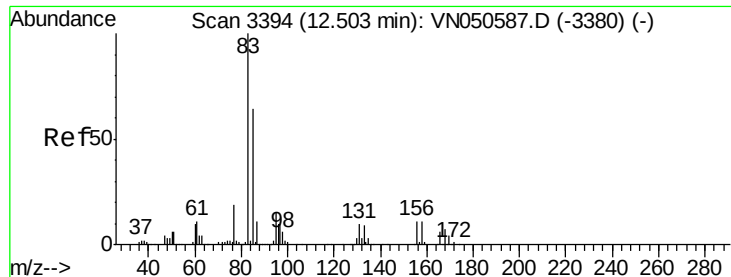
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.94 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

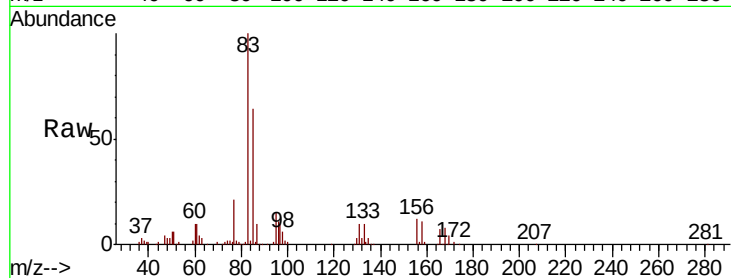
Tot Ion: 83 Resp: 164891

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.9

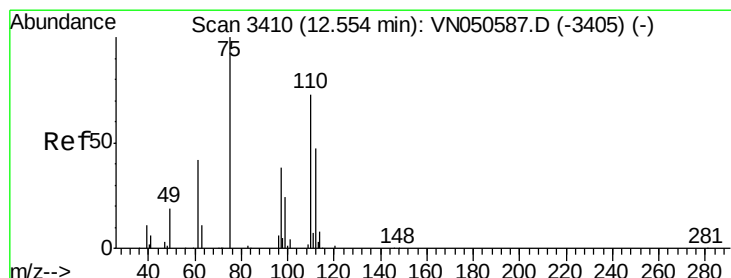
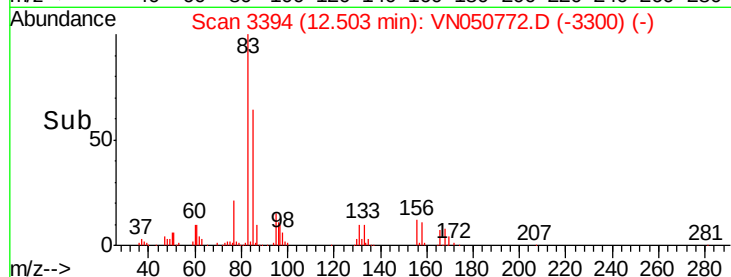
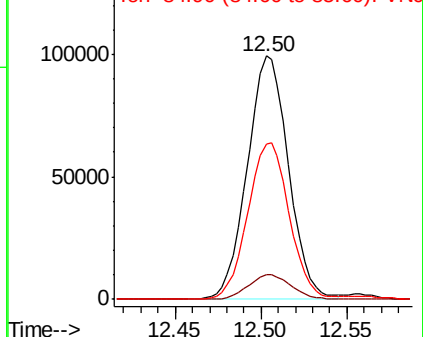
85 64.5 32.1 96.5



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: 29.05 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050772.D

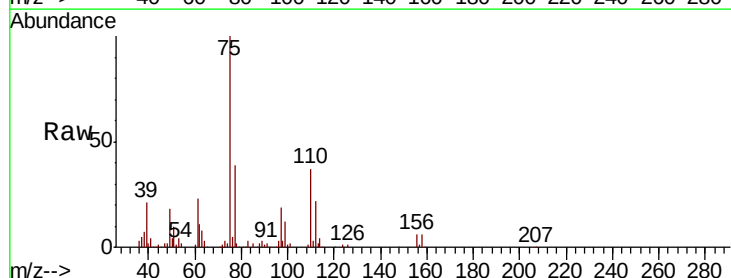
Acq: 20 Aug 2018 14:21

Tgt Ion: 75 Resp: 186241

Ion Ratio Lower Upper

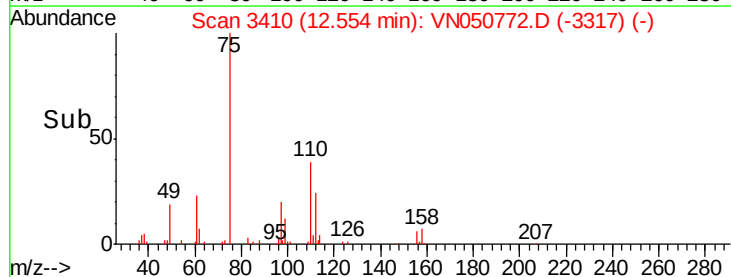
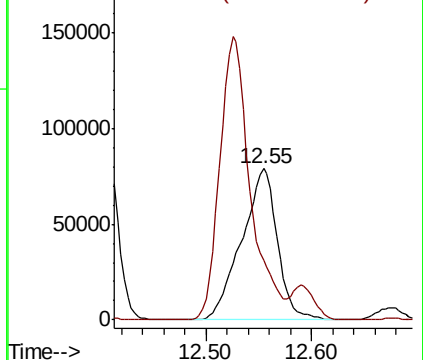
75 100

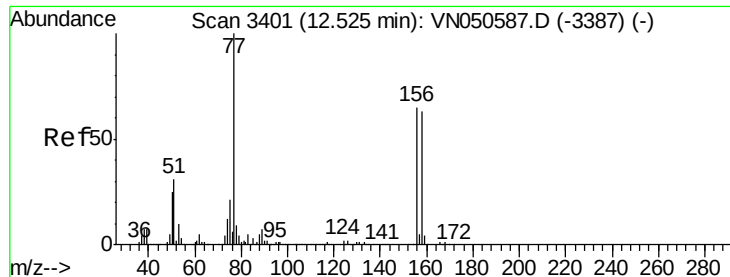
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

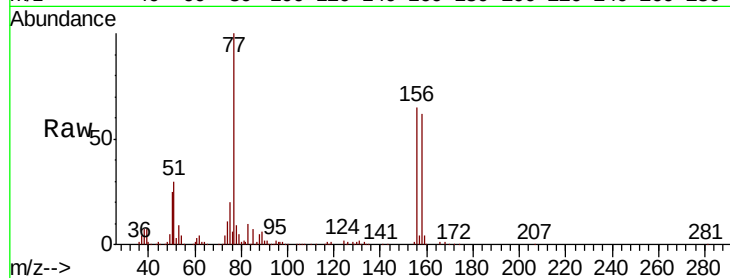
Tot Ion:156 Resp: 165083

Ion Ratio Lower Upper

156 100

77 180.2 89.0 267.1

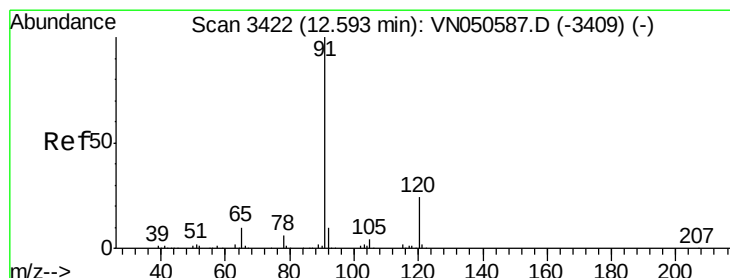
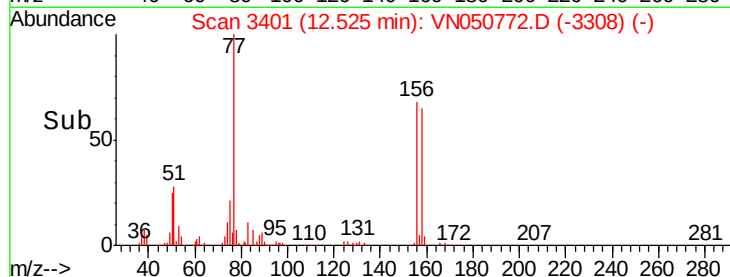
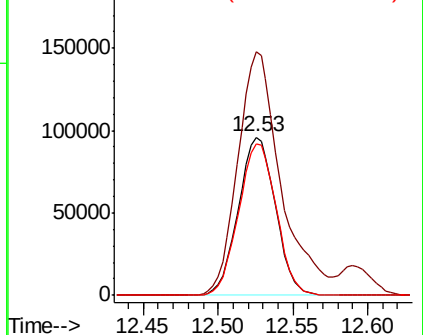
158 97.6 48.5 145.6



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: 20.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050772.D

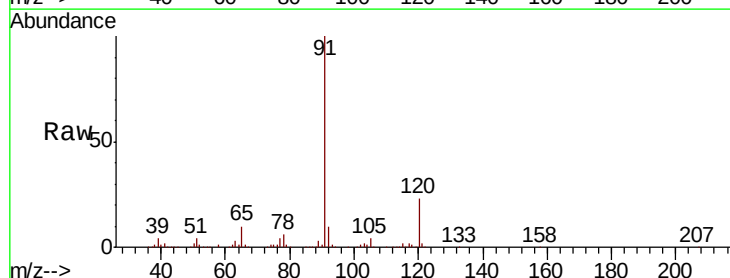
Acq: 20 Aug 2018 14:21

Tgt Ion: 91 Resp: 712037

Ion Ratio Lower Upper

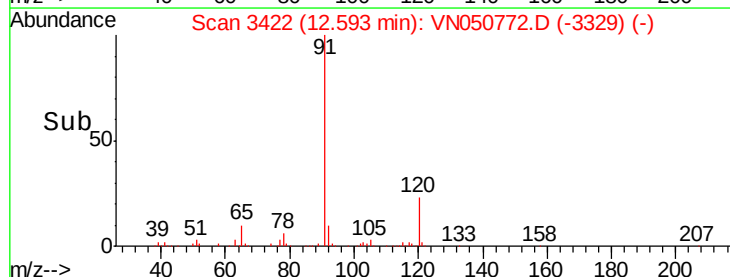
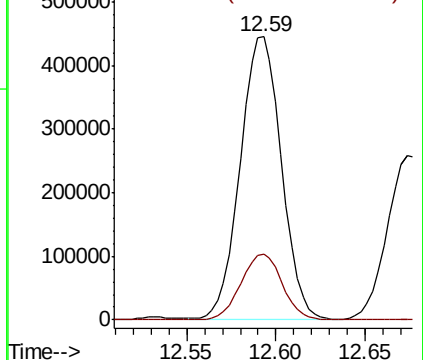
91 100

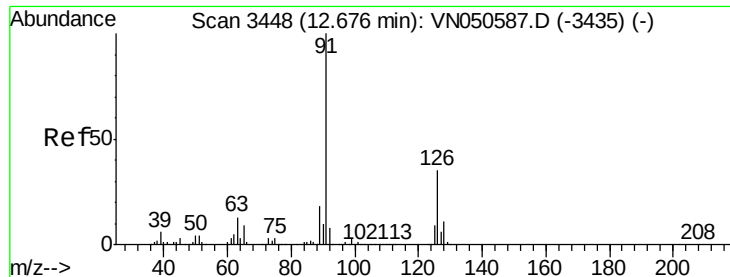
120 23.5 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.57 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

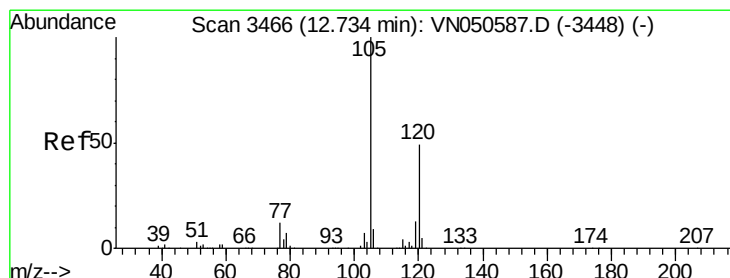
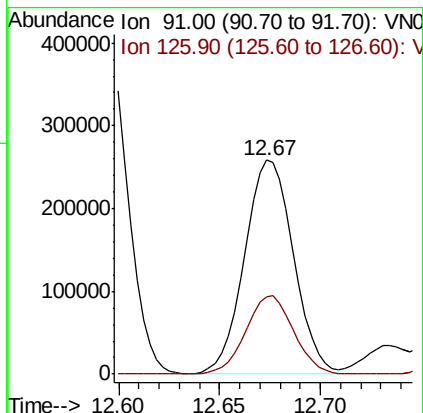
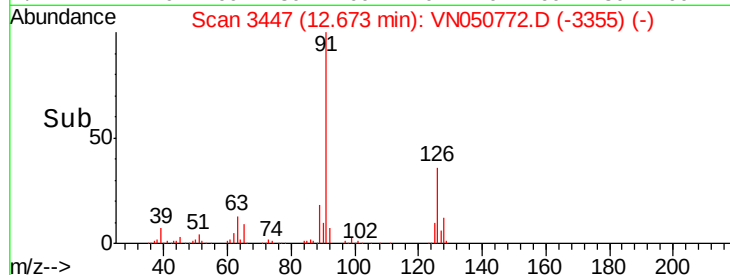
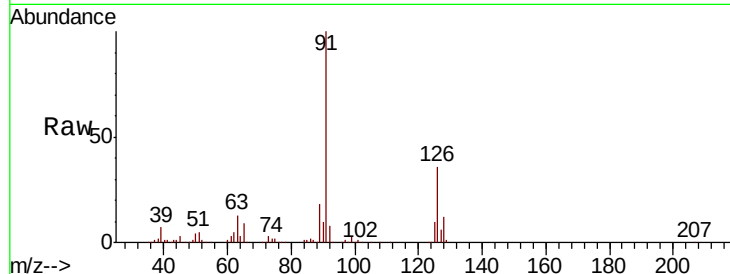
VN0820WBSD02

Tot Ion: 91 Resp: 436868

Ion Ratio Lower Upper

91 100

126 36.1 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.24 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050772.D

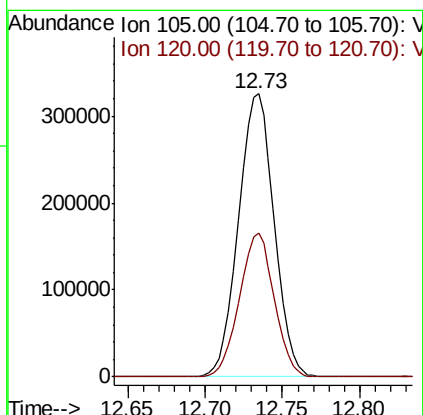
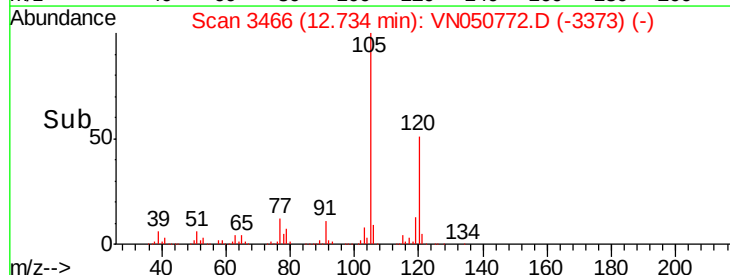
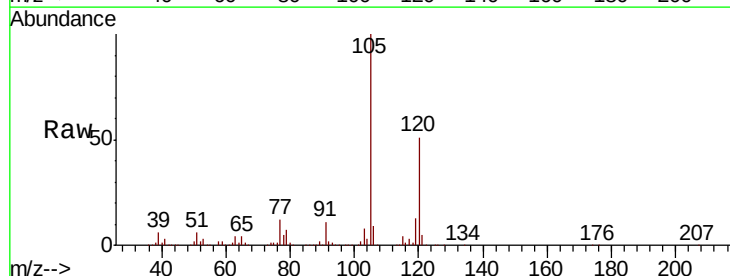
Acq: 20 Aug 2018 14:21

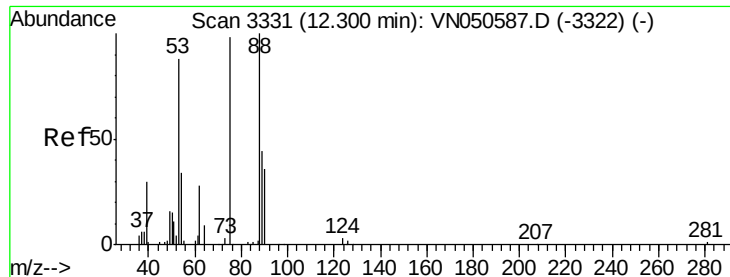
Tgt Ion:105 Resp: 519662

Ion Ratio Lower Upper

105 100

120 49.8 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.34 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

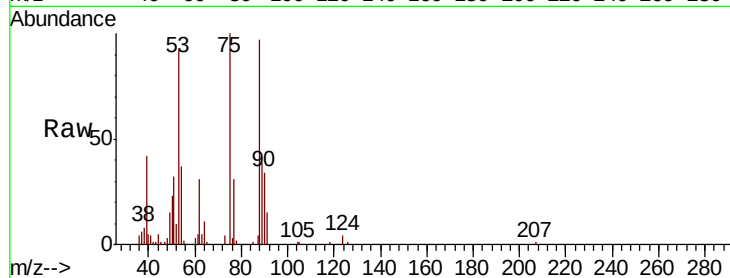
Tot Ion: 75 Resp: 35783

Ion Ratio Lower Upper

75 100

53 94.7 72.2 108.2

89 43.3 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

150000

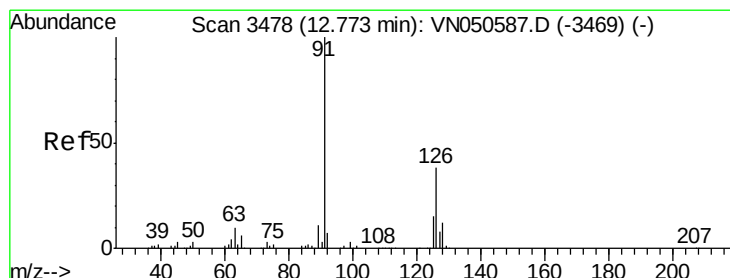
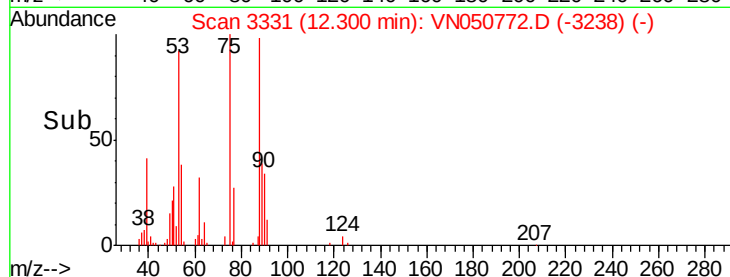
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 20.59 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050772.D

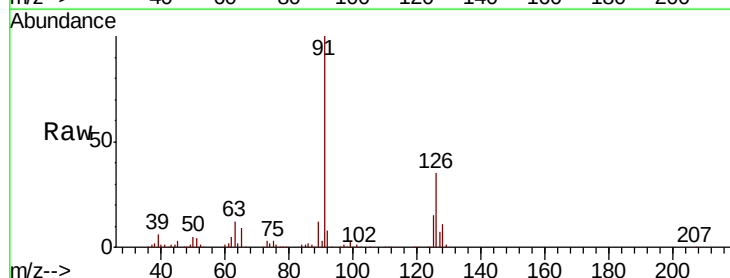
Acq: 20 Aug 2018 14:21

Tgt Ion: 91 Resp: 432249

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300000

250000

200000

150000

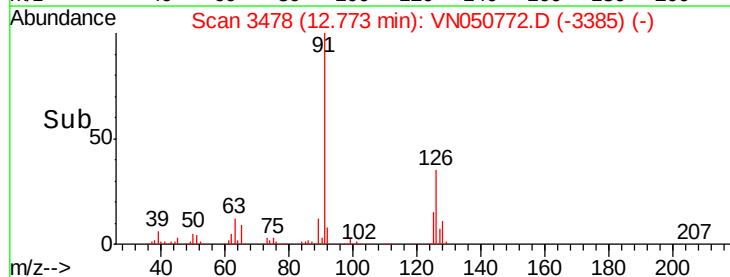
100000

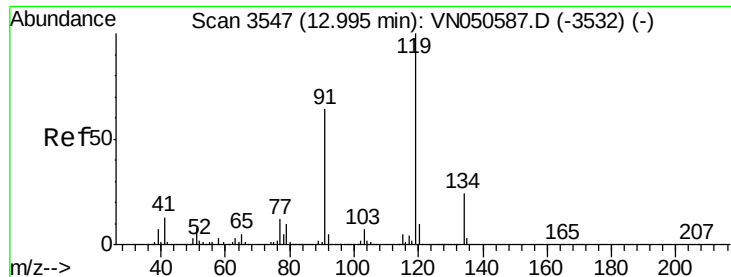
50000

0

12.75 12.80 12.85

Time-->

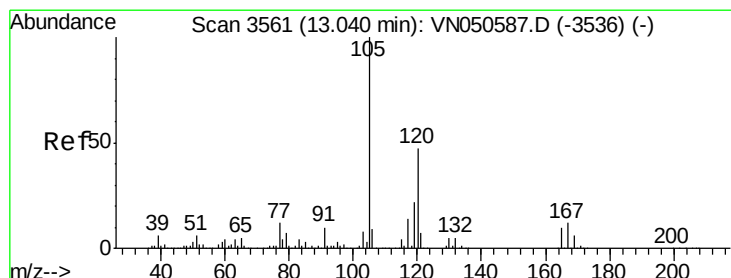
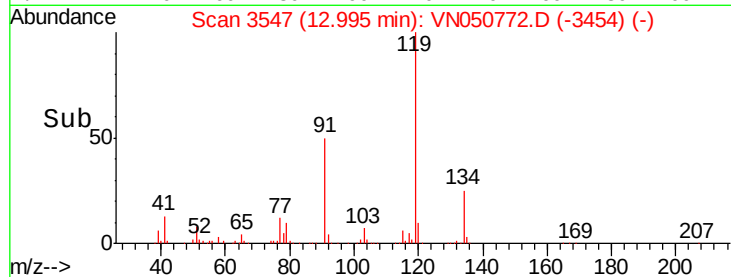
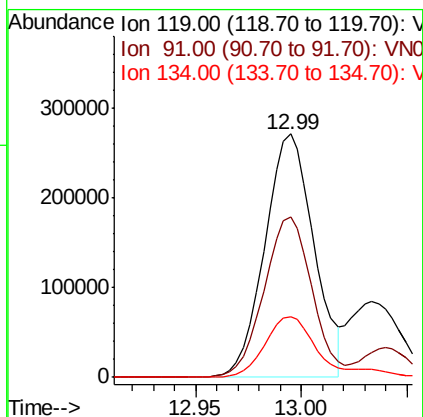
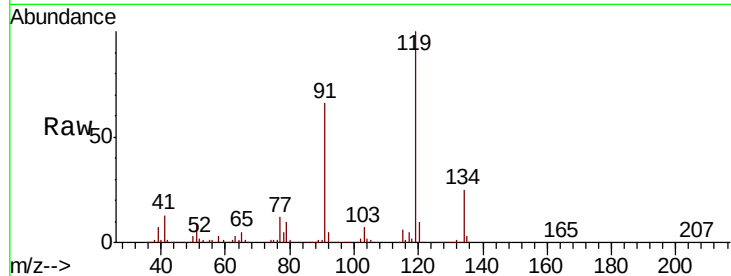




#83
 tert-Butylbenzene
 Concen: 20.73 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

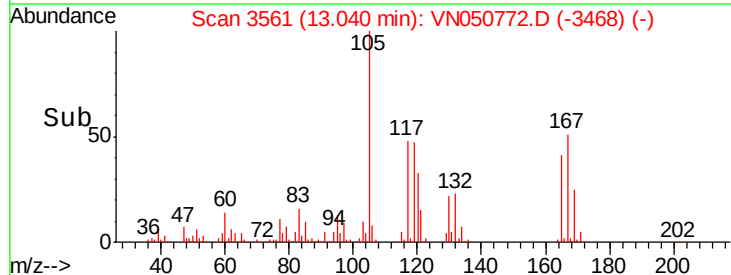
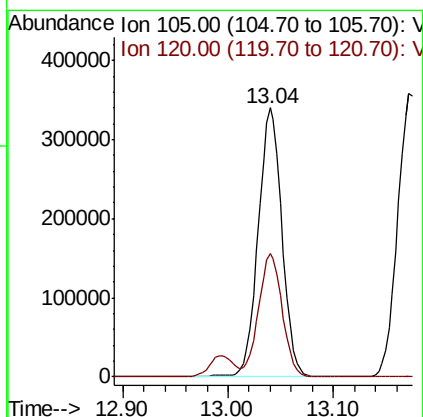
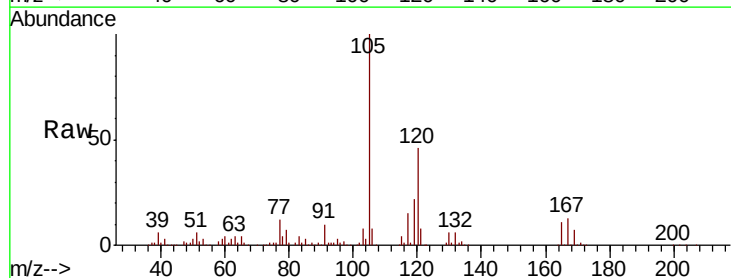
Instrument :
 MSVOA_N
 ClientSampled :
 VN0820WBSD02

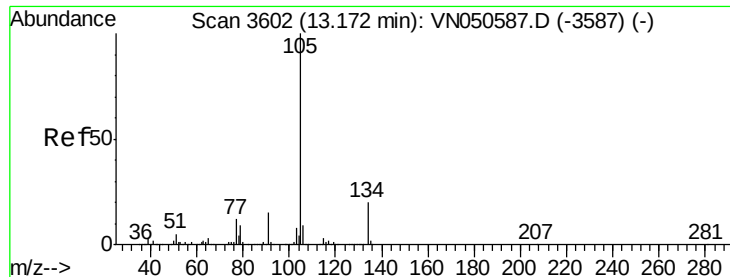
Tot Ion:119 Resp: 440291
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.2 96.6
 134 27.7 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 21.75 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion:105 Resp: 533975
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 21.08 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

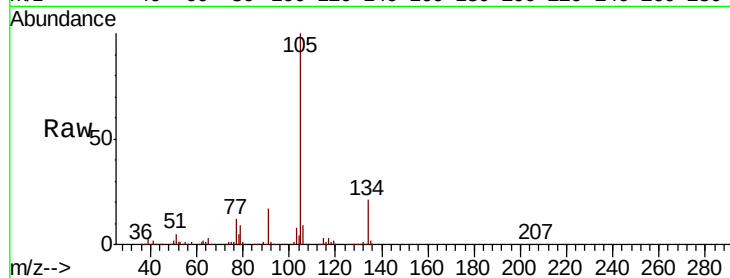
VN0820WBSD02

Tot Ion:105 Resp: 584872

Ion Ratio Lower Upper

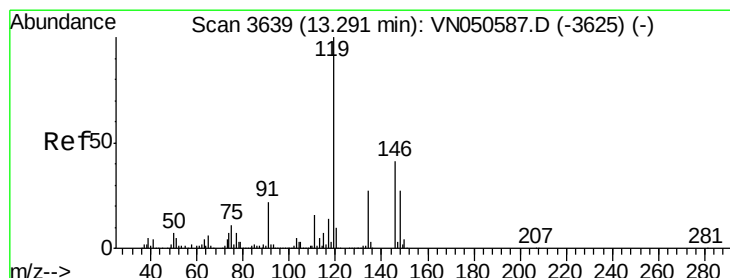
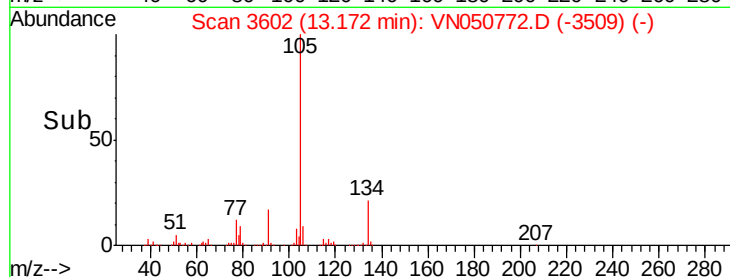
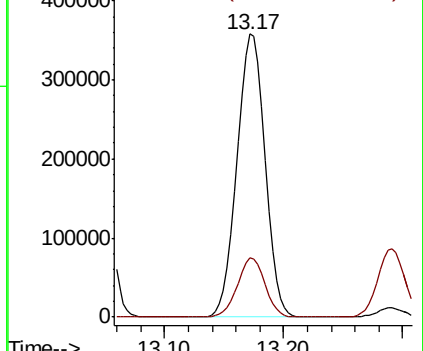
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.30 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

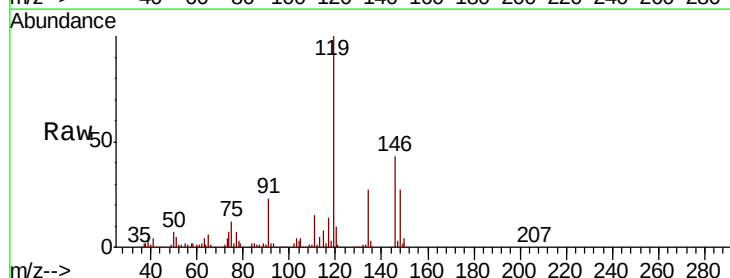
Tgt Ion:119 Resp: 500815

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

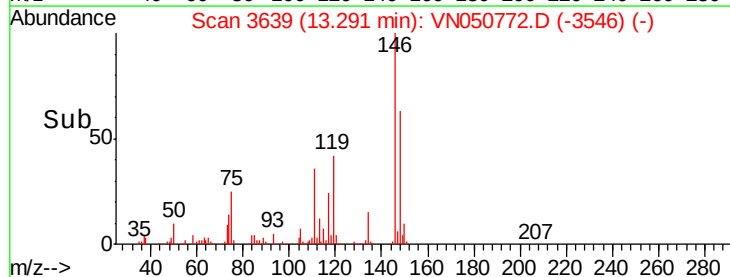
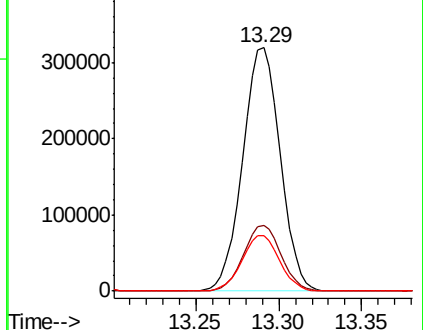
91 22.9 11.2 33.6

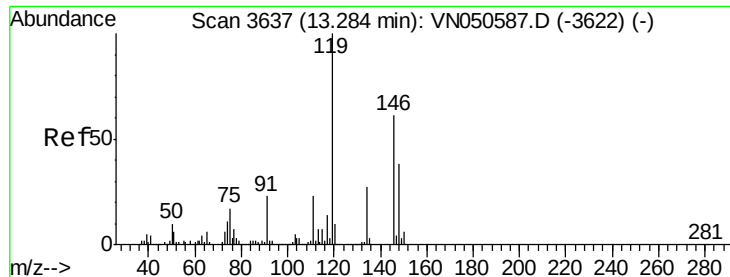


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

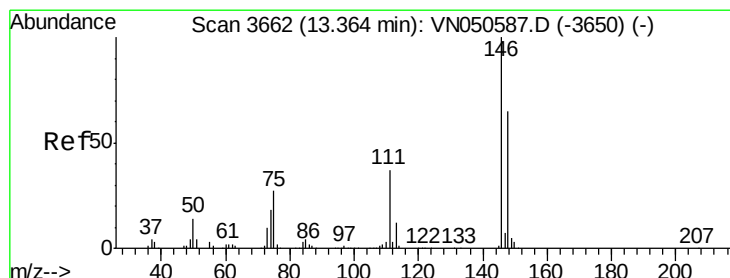
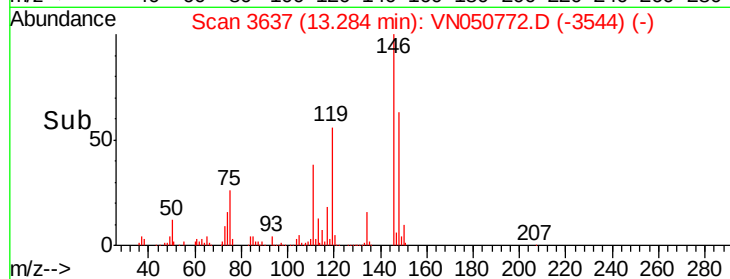
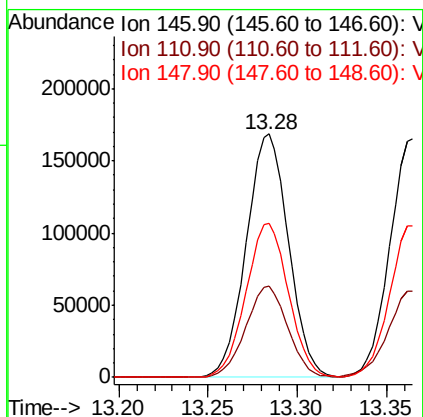
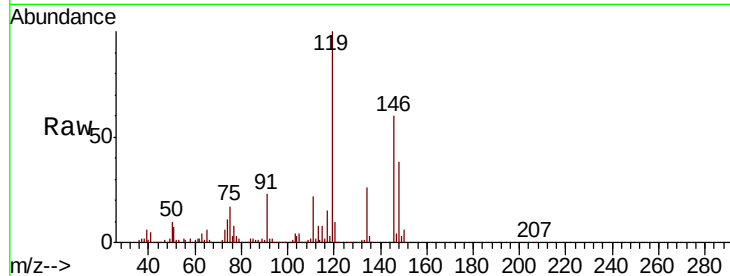




#87
 1,3-Dichlorobenzene
 Concen: 19.80 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

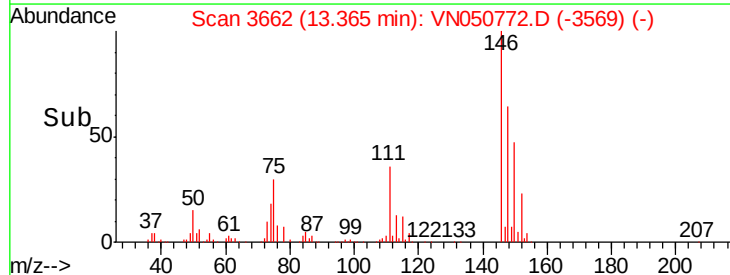
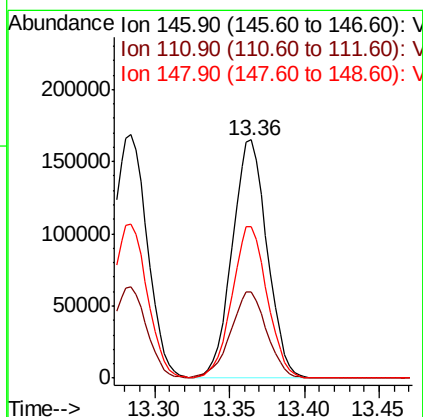
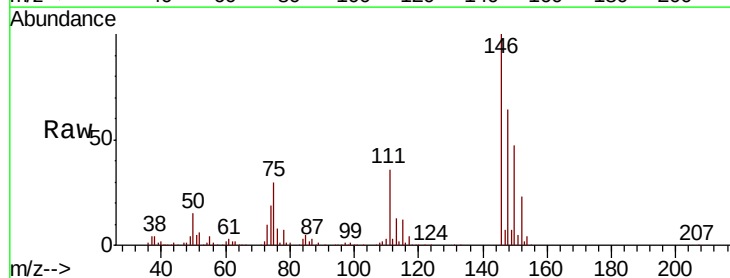
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

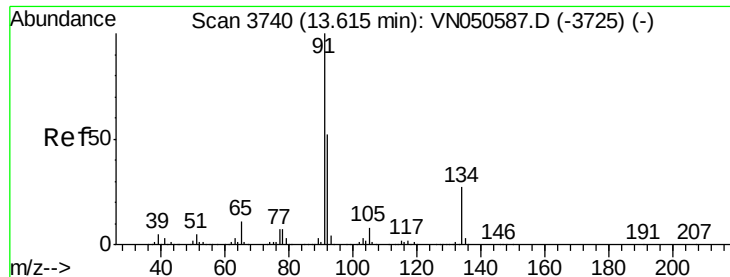
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.2	57.6
148	63.6	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.4
148	64.1	32.3	96.8





#89

n-Butylbenzene

Concen: 19.37 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

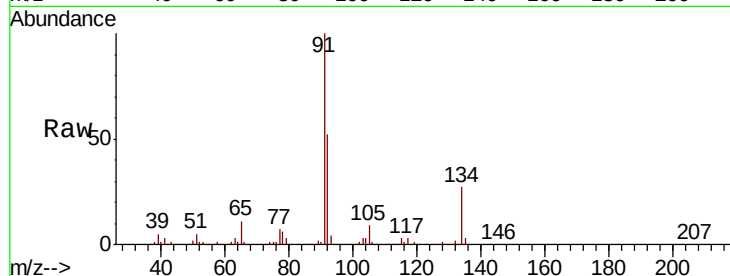
Tot Ion: 91 Resp: 367816

Ion Ratio Lower Upper

91 100

92 51.4 26.3 78.8

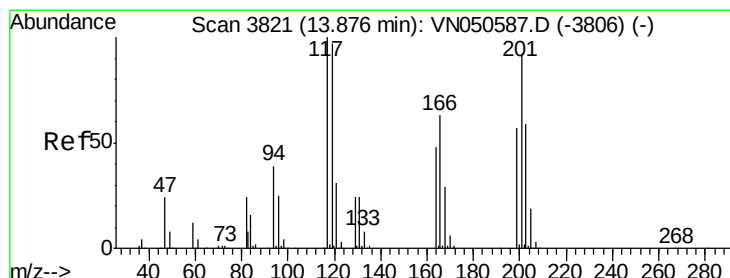
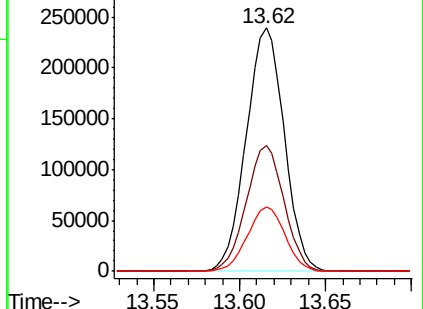
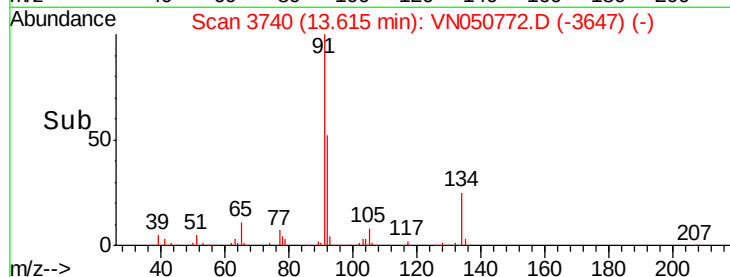
134 26.2 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050772.D (-3647) (-)

Ion 92.00 (91.70 to 92.70): VN050772.D (-3647) (-)

Ion 134.00 (133.70 to 134.70): VN050772.D (-3647) (-)



#90

Hexachloroethane

Concen: 19.49 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN050772.D

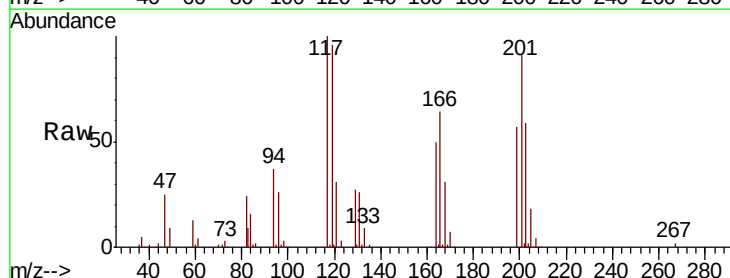
Acq: 20 Aug 2018 14:21

Tgt Ion: 117 Resp: 92139

Ion Ratio Lower Upper

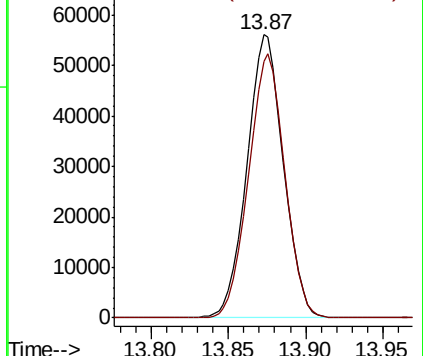
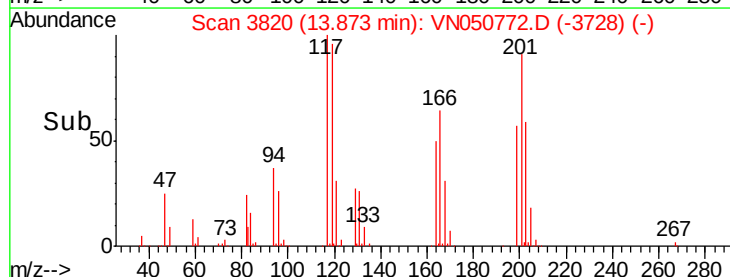
117 100

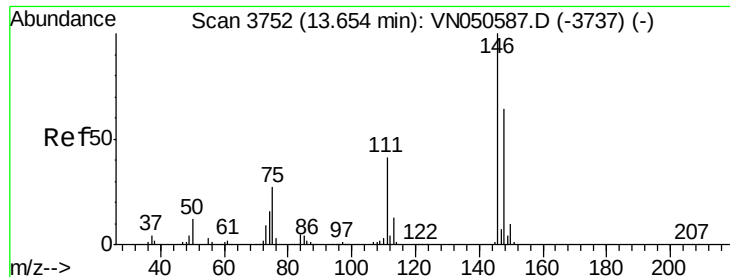
201 92.2 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050772.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN050772.D (-3728) (-)

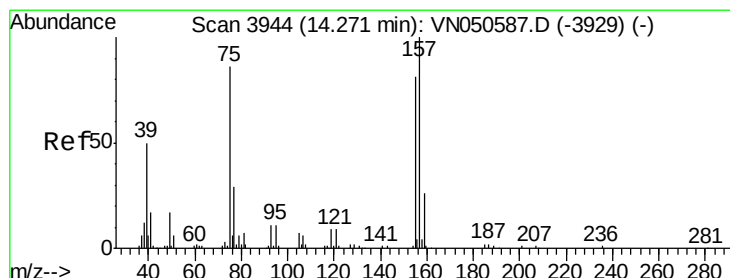
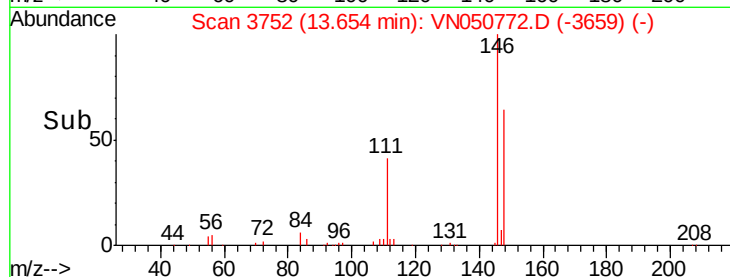
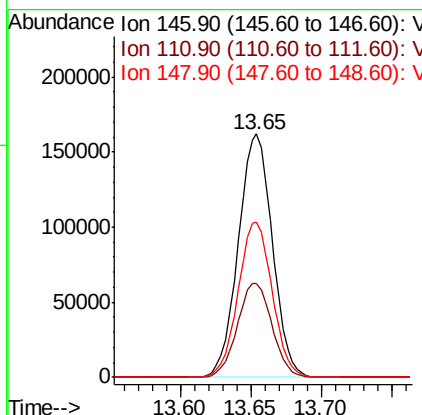
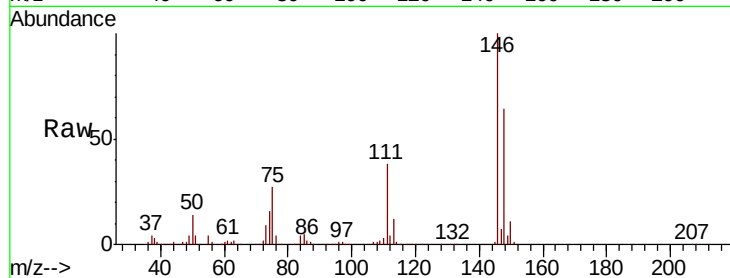




#91
 1,2-Dichlorobenzene
 Concen: 19.94 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

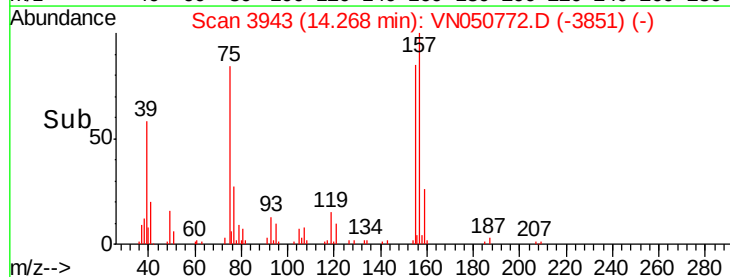
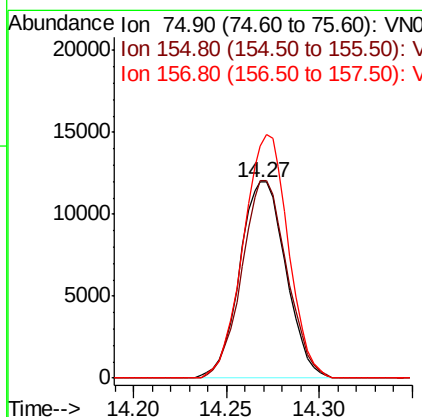
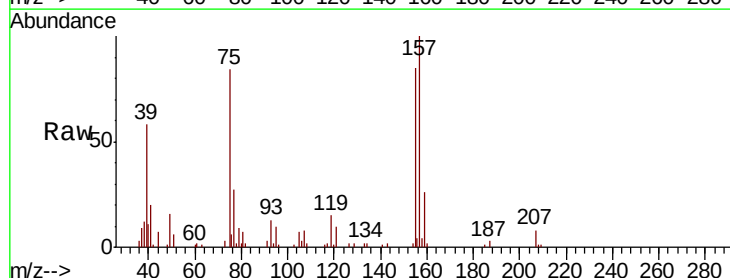
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

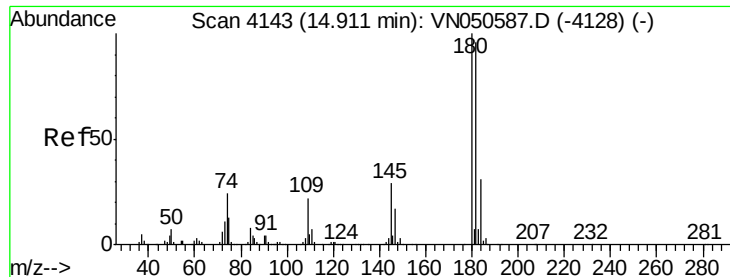
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.4
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.06 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.2	46.6	139.8
157	120.6	58.1	174.2

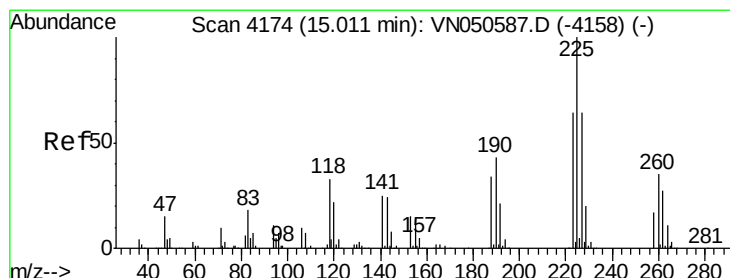
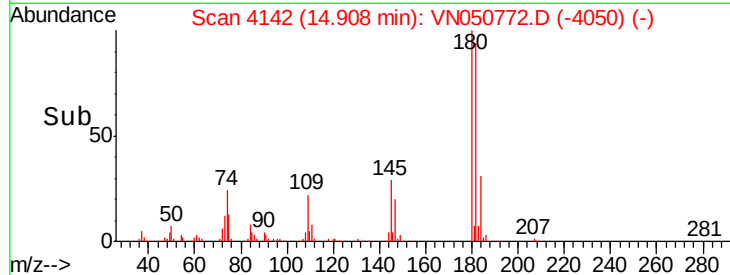
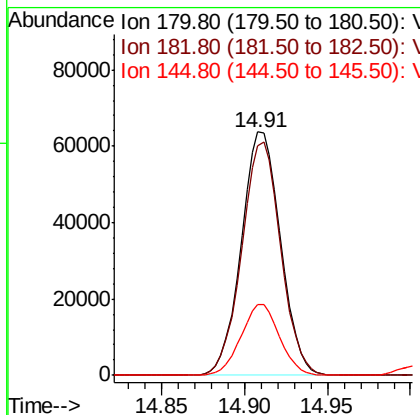
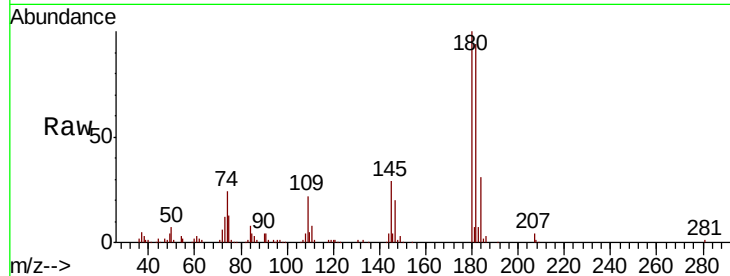




#93
 1,2,4-Trichlorobenzene
 Concen: 16.69 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

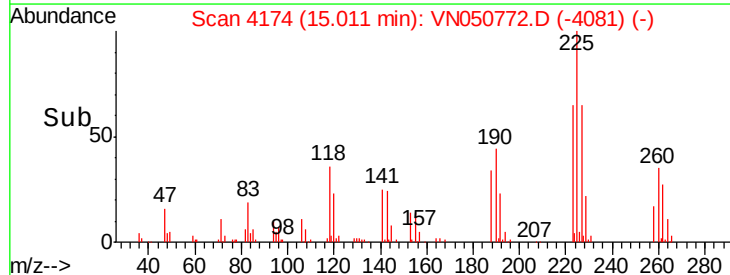
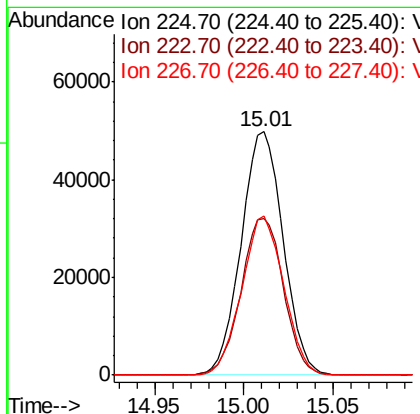
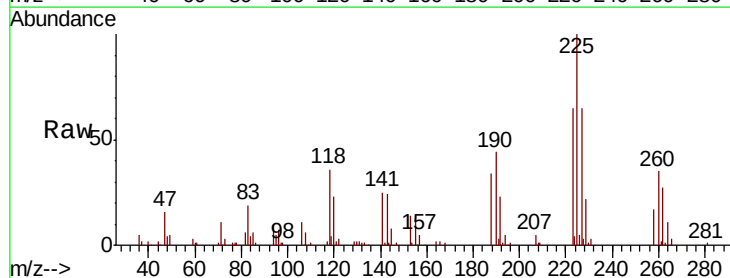
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0820WBSD02

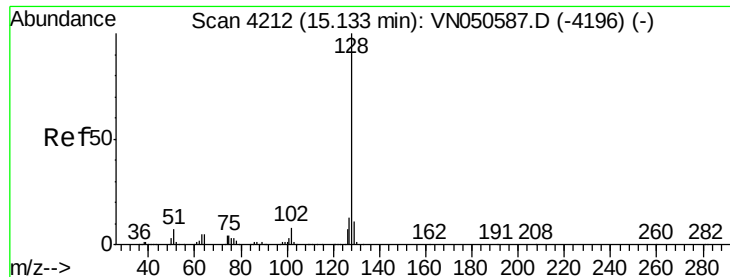
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.9	143.7
145	28.5	14.4	43.4



#94
 Hexachlorobutadiene
 Concen: 19.38 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050772.D
 Acq: 20 Aug 2018 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.1	32.1	96.3
227	65.3	32.0	96.2





#95

Naphthalene

Concen: 15.78 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0820WBSD02

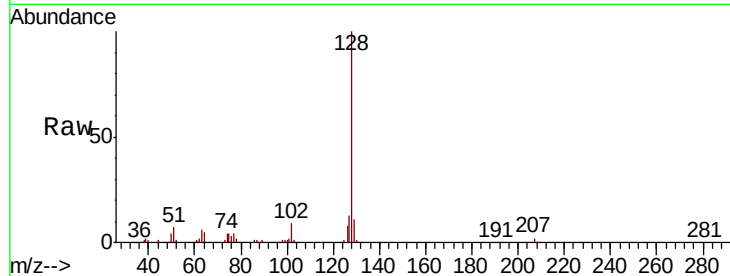
Tot Ion:128 Resp: 194355

Ion Ratio Lower Upper

128 100

127 13.6 10.3 15.5

129 10.6 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

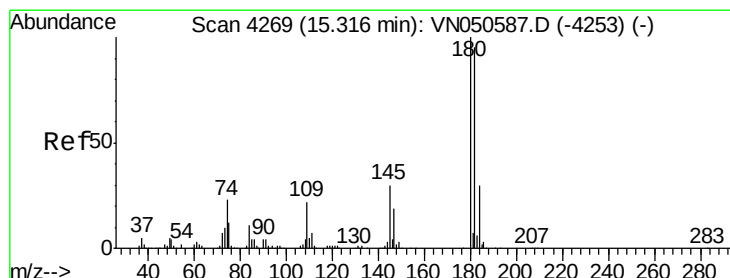
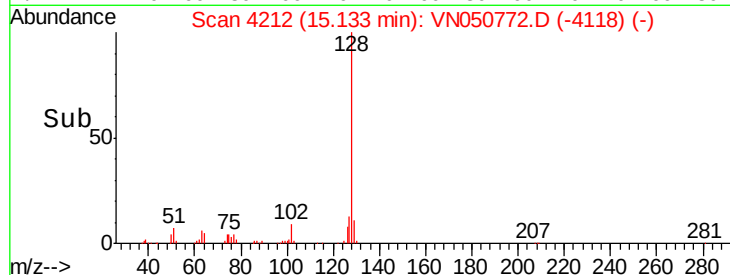
15.13

100000

50000

0

Time--> 15.05 15.10 15.15 15.20



#96

1,2,3-Trichlorobenzene

Concen: 17.64 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050772.D

Acq: 20 Aug 2018 14:21

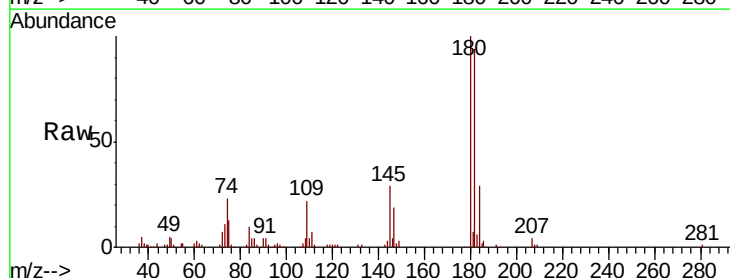
Tgt Ion:180 Resp: 107875

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

145 29.4 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V
80000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

15.32

60000

40000

20000

0

Time--> 15.25 15.30 15.35 15.40

