

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
 Data File : VN050873.D
 Acq On : 24 Aug 2018 13:39
 Operator : MD\SY
 Sample : VN0824WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Quant Time: Aug 24 22:53:30 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	521713	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	785389	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	716819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337830	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	358708	57.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.22%	
35) Dibromofluoromethane	7.59	113	335292	53.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.32%	
50) Toluene-d8	10.09	98	1209813	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	
62) 4-Bromofluorobenzene	12.40	95	388223	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	142599	20.42	ug/l	99
3) Chloromethane	2.06	50	172917	20.08	ug/l	99
4) Vinyl Chloride	2.18	62	159761	19.58	ug/l	99
5) Bromomethane	2.56	94	100280	21.01	ug/l	96
6) Chloroethane	2.70	64	96380	20.45	ug/l	100
7) Trichlorofluoromethane	3.01	101	210083	20.11	ug/l	98
8) Diethyl Ether	3.41	74	80163	22.57	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	125992	19.31	ug/l	99
10) Methyl Iodide	3.95	142	107233	22.69	ug/l	100
11) Tert butyl alcohol	4.79	59	46616	116.56	ug/l	98
12) 1,1-Dichloroethene	3.74	96	116423	19.87	ug/l	98
13) Acrolein	3.61	56	19771	96.50	ug/l	97
14) Allyl chloride	4.32	41	188295	20.62	ug/l	99
15) Acrylonitrile	4.99	53	224751	110.58	ug/l	99
16) Acetone	3.82	43	155750	100.50	ug/l	100
17) Carbon Disulfide	4.05	76	351654	17.90	ug/l	100
18) Methyl Acetate	4.33	43	134661	22.71	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	337244	22.88	ug/l	98
20) Methylene Chloride	4.55	84	149002	21.05	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	128159	20.22	ug/l	99
22) Diisopropyl ether	5.95	45	424645	23.34	ug/l	96
23) Vinyl Acetate	5.90	43	1288089	109.92	ug/l	99
24) 1,1-Dichloroethane	5.85	63	246798	21.13	ug/l	99
25) 2-Butanone	6.84	43	240036	94.84	ug/l	100
26) 2,2-Dichloropropane	6.82	77	179948	19.17	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148965	21.80	ug/l	99
28) Bromochloromethane	7.20	49	104783	21.11	ug/l	99
29) Tetrahydrofuran	7.21	42	159309	109.78	ug/l	99
30) Chloroform	7.37	83	249631	21.58	ug/l	99
31) Cyclohexane	7.65	56	198274	18.96	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	201158	20.24	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175023	18.88	ug/l	99
37) Ethyl Acetate	6.93	43	108158	20.32	ug/l	99
38) Carbon Tetrachloride	7.78	117	176388	18.83	ug/l	99

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Quant Time: Aug 24 22:53:30 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

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

39) Methylcyclohexane	9.08	83	178769	17.83	ug/l	99
40) Benzene	8.04	78	572060	20.47	ug/l	100
41) Methacrylonitrile	7.17	41	50608	17.57	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	177329	21.22	ug/l	99
43) Isopropyl Acetate	8.17	43	193447	21.13	ug/l	99
44) Trichloroethene	8.84	130	144046	19.54	ug/l	98
45) 1,2-Dichloropropane	9.12	63	153837	20.94	ug/l	99
46) Dibromomethane	9.21	93	90691	21.01	ug/l	99
47) Bromodichloromethane	9.40	83	188789	20.88	ug/l	99
48) Methyl methacrylate	9.20	41	97190	20.83	ug/l	99
49) 1,4-Dioxane	9.20	88	28552	448.97	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	544519	99.68	ug/l	99
52) Toluene	10.16	92	344097	20.78	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	180526	20.06	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	217346	21.10	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	129339	21.05	ug/l	97
56) Ethyl methacrylate	10.43	69	146159	19.78	ug/l	100
57) 1,3-Dichloropropane	10.71	76	214278	21.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	305694	95.58	ug/l	100
59) 2-Hexanone	10.75	43	344777	94.81	ug/l	99
60) Dibromochloromethane	10.90	129	142882	20.77	ug/l	99
61) 1,2-Dibromoethane	11.01	107	122806	20.67	ug/l	98
64) Tetrachloroethene	10.63	164	129123	18.96	ug/l	99
65) Chlorobenzene	11.43	112	371445	19.83	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144356	21.06	ug/l	100
67) Ethyl Benzene	11.51	91	591561	19.42	ug/l	100
68) m/p-Xylenes	11.62	106	468847	40.55	ug/l	100
69) o-Xylene	11.95	106	227903	20.50	ug/l	100
70) Styrene	11.96	104	356613	19.01	ug/l	99
71) Bromoform	12.13	173	95556	20.27	ug/l #	99
73) Isopropylbenzene	12.25	105	579062	20.70	ug/l	100
74) N-amyl acetate	12.07	43	145819	20.75	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	158903	22.94	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	178978	30.25	ug/l #	100
77) Bromobenzene	12.53	156	157524	20.72	ug/l	99
78) n-propylbenzene	12.59	91	644493	20.62	ug/l	100
79) 2-Chlorotoluene	12.67	91	402004	20.65	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	483679	21.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35990	20.56	ug/l	95
82) 4-Chlorotoluene	12.77	91	401889	20.91	ug/l	99
83) tert-Butylbenzene	12.99	119	402653	20.60	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	483808	21.31	ug/l	99
85) sec-Butylbenzene	13.17	105	526209	20.54	ug/l	99
86) p-Isopropyltoluene	13.29	119	457604	20.97	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	259432	20.11	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	253647	19.98	ug/l	100
89) n-Butylbenzene	13.62	91	326487	18.70	ug/l	99
90) Hexachloroethane	13.87	117	83518	20.19	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	259222	20.83	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21050	20.95	ug/l	96

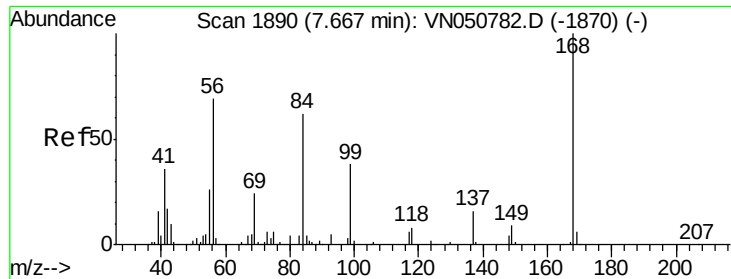
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082418\
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97150	17.86	ug/l	99
94) Hexachlorobutadiene	15.01	225	76876	20.17	ug/l	99
95) Naphthalene	15.13	128	187996	17.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	102728	19.10	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

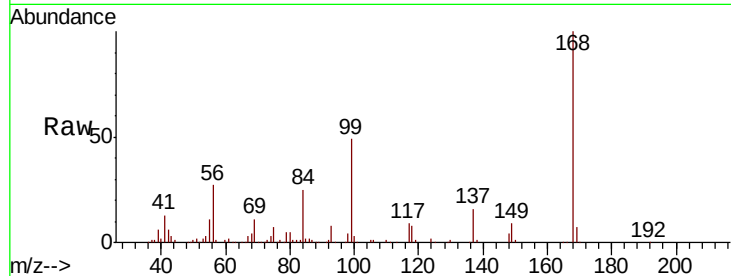
VN0824WBSD02

Tot Ion:168 Resp: 521713

Ion Ratio Lower Upper

168 100

99 48.8 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

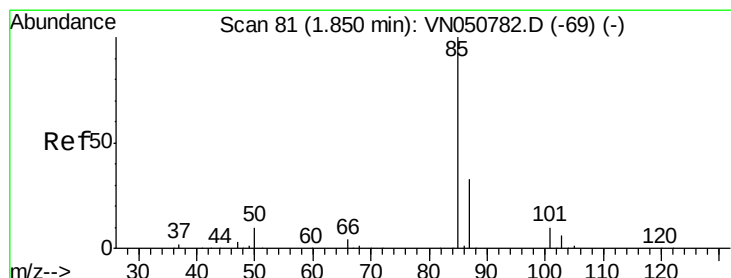
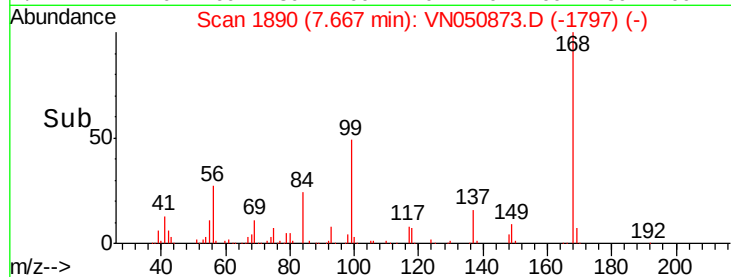
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.42 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050873.D

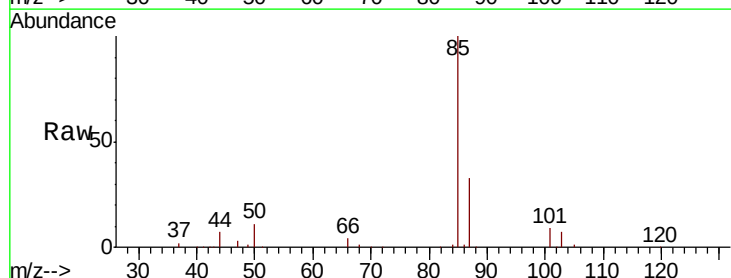
Acq: 24 Aug 2018 13:39

Tgt Ion: 85 Resp: 142599

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

120000

100000

80000

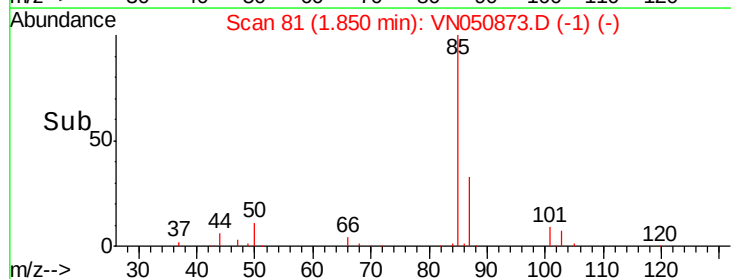
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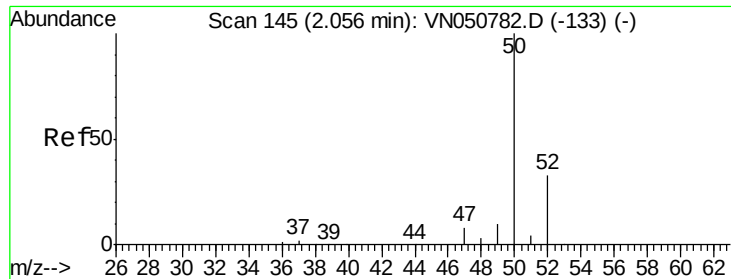
40000

20000

0

Time-->





#3

Chloromethane

Concen: 20.08 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

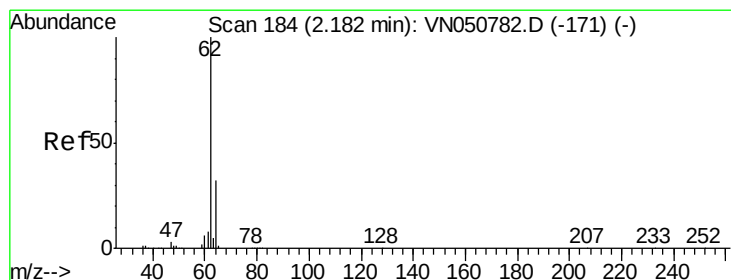
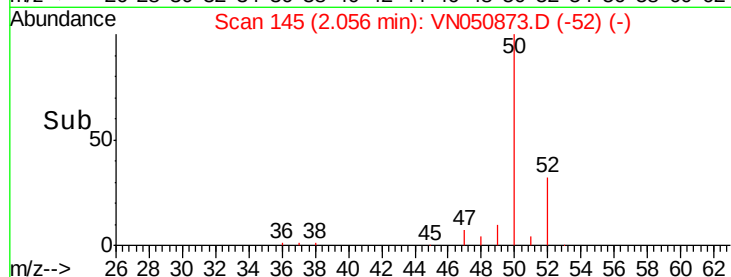
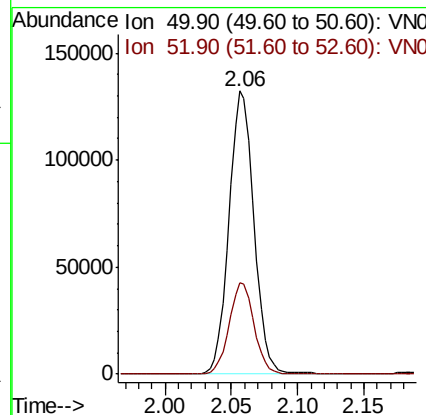
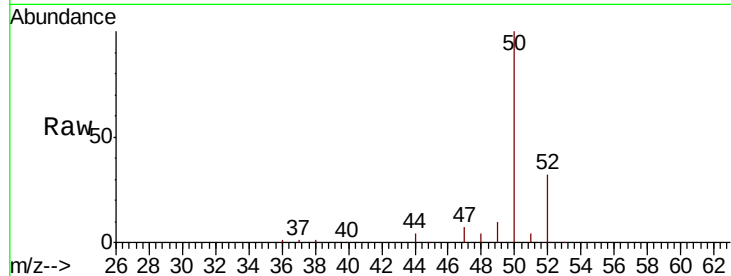
VN0824WBSD02

Tot Ion: 50 Resp: 172917

Ion Ratio Lower Upper

50 100

52 32.3 26.3 39.5



#4

Vinyl Chloride

Concen: 19.58 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050873.D

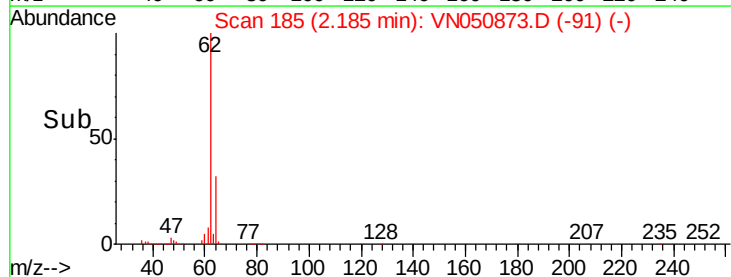
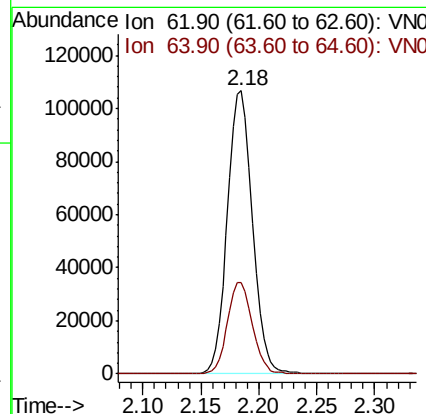
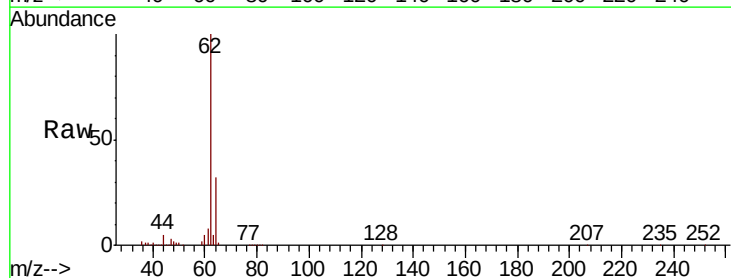
Acq: 24 Aug 2018 13:39

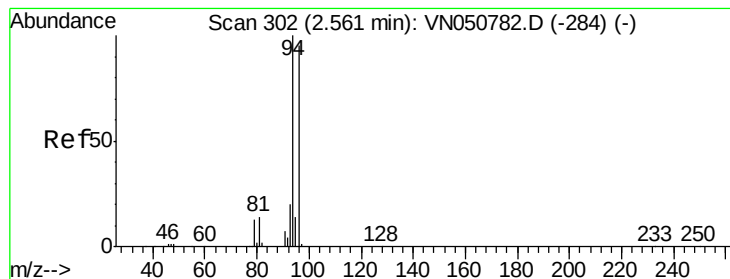
Tgt Ion: 62 Resp: 159761

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 21.01 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

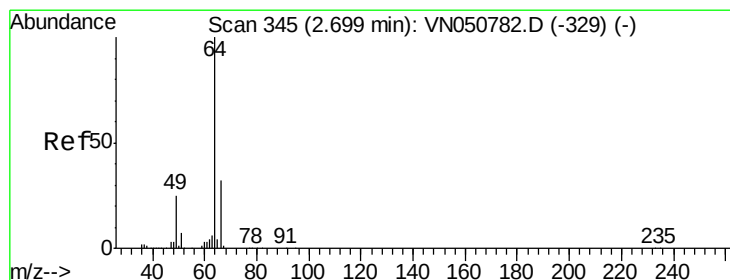
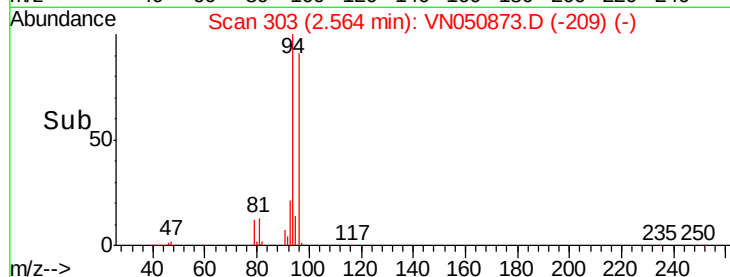
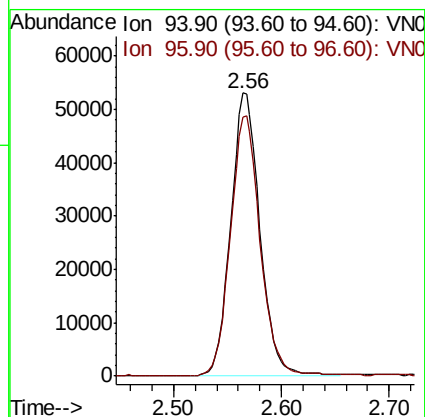
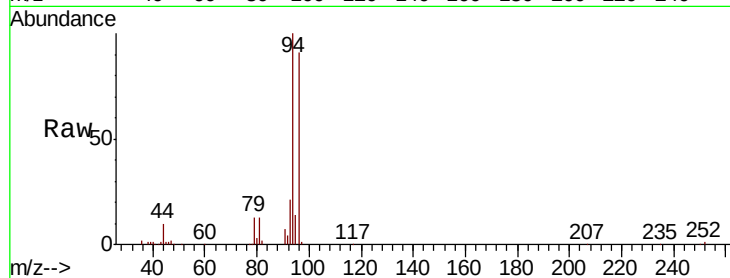
VN0824WBSD02

Tot Ion: 94 Resp: 100280

Ion Ratio Lower Upper

94 100

96 91.4 76.2 114.2



#6

Chloroethane

Concen: 20.45 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050873.D

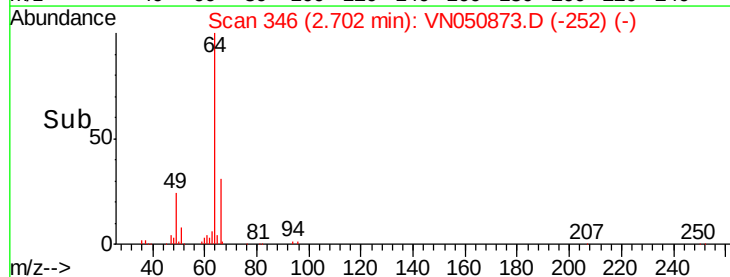
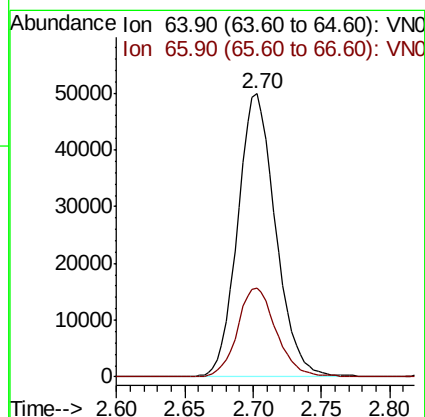
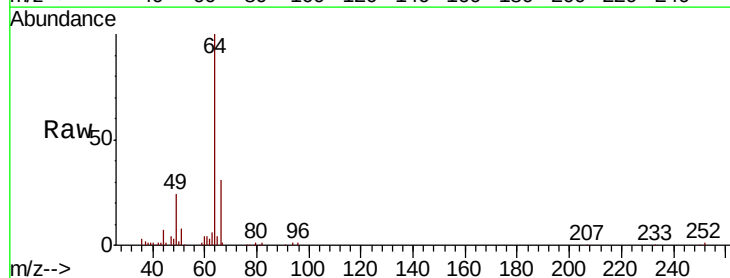
Acq: 24 Aug 2018 13:39

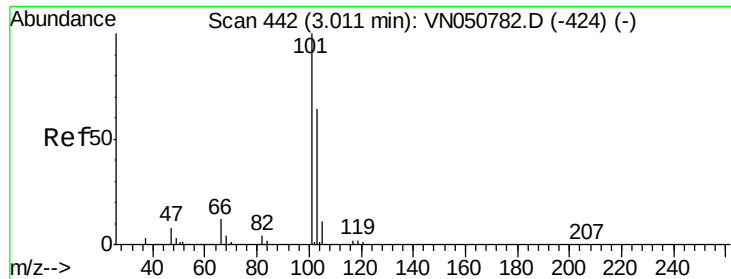
Tgt Ion: 64 Resp: 96380

Ion Ratio Lower Upper

64 100

66 31.4 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.11 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

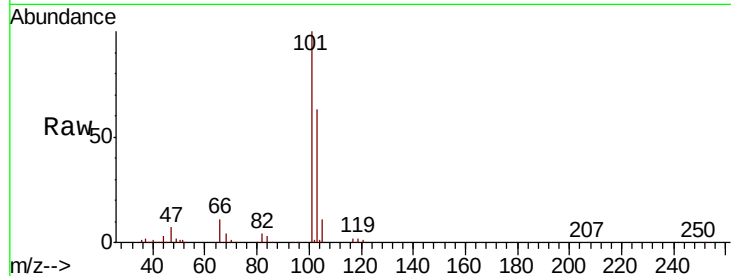
VN0824WBSD02

Tot Ion:101 Resp: 210083

Ion Ratio Lower Upper

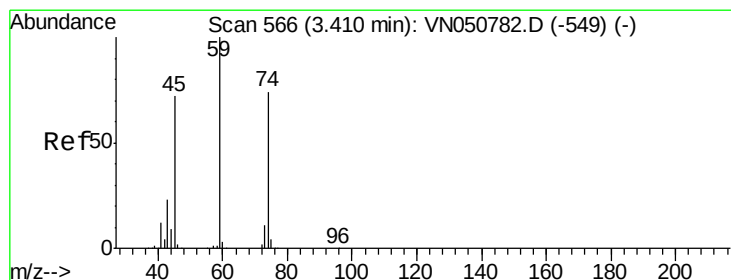
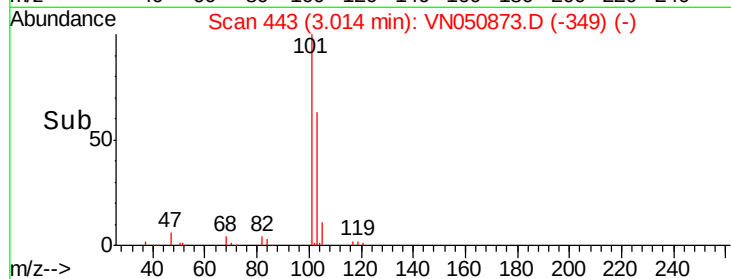
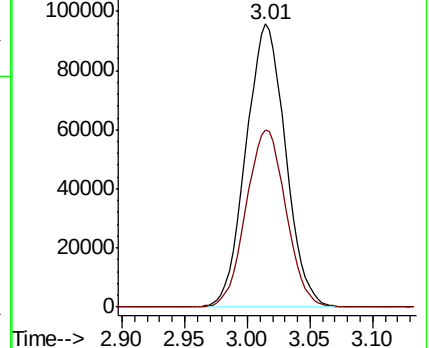
101 100

103 62.8 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 22.57 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050873.D

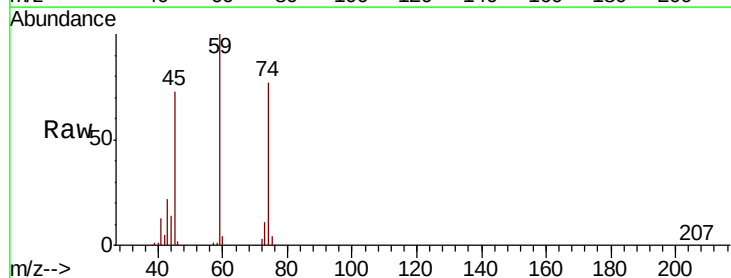
Acq: 24 Aug 2018 13:39

Tgt Ion: 74 Resp: 80163

Ion Ratio Lower Upper

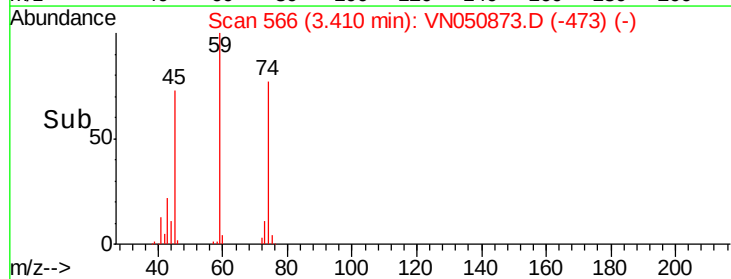
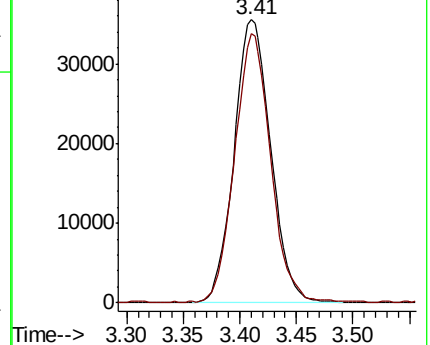
74 100

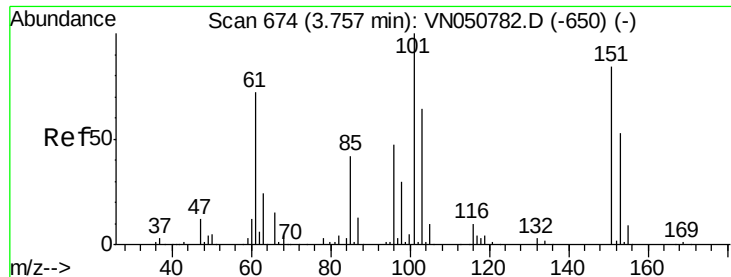
45 94.1 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.31 ug/l

RT: 3.76 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

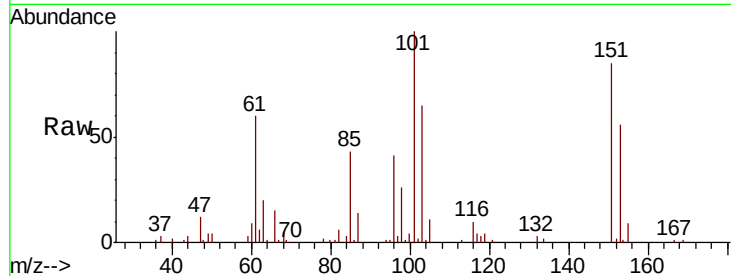
Tot Ion:101 Resp: 125992

Ion Ratio Lower Upper

101 100

85 42.1 33.7 50.5

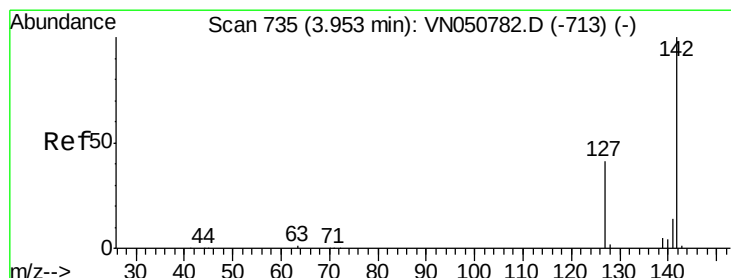
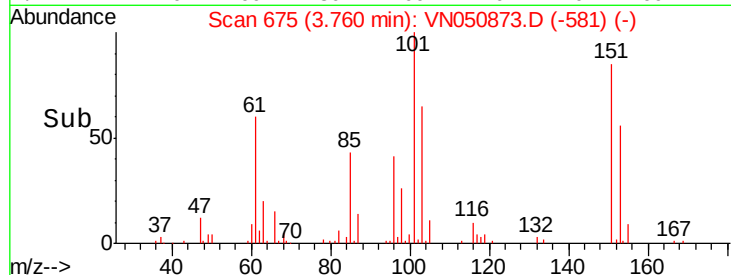
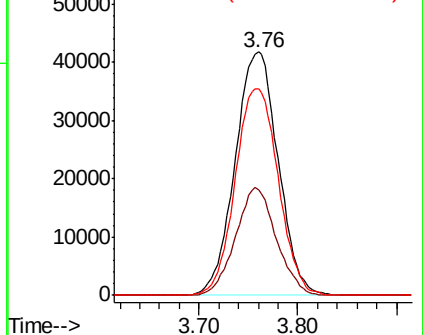
151 85.1 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.69 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

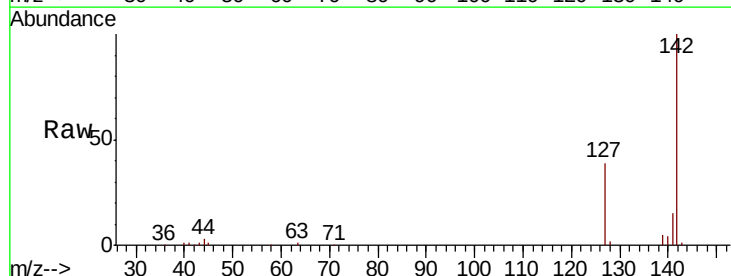
Tgt Ion:142 Resp: 107233

Ion Ratio Lower Upper

142 100

127 39.7 31.7 47.5

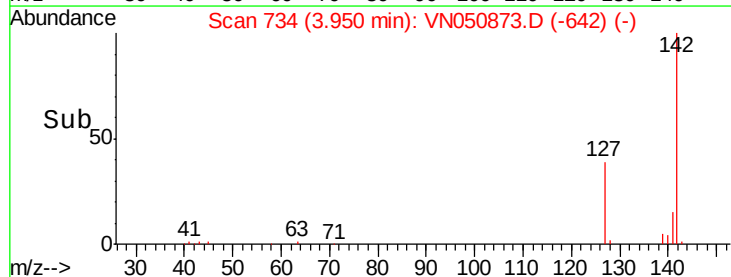
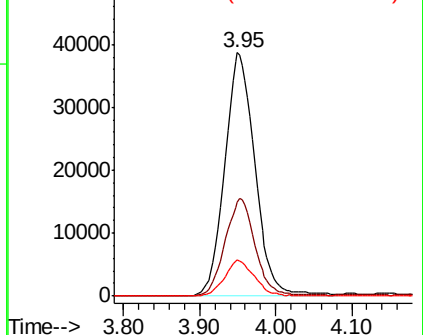
141 14.3 11.4 17.0

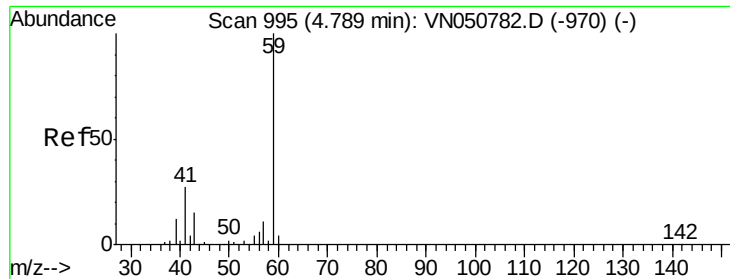


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

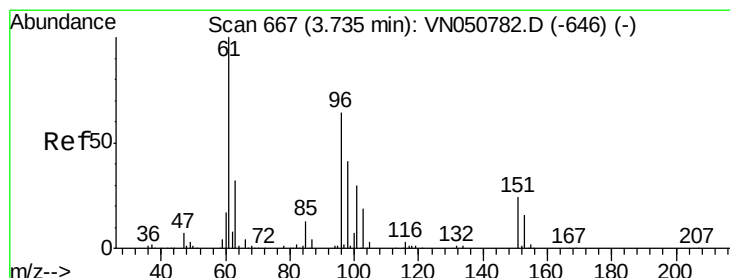
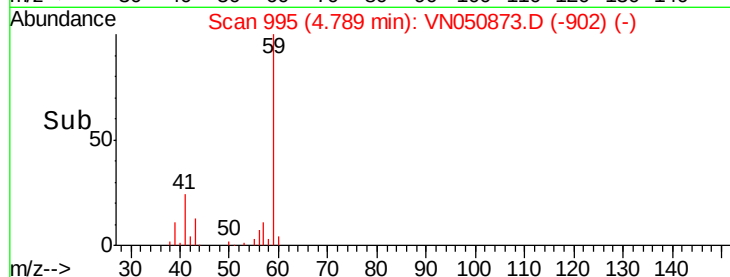
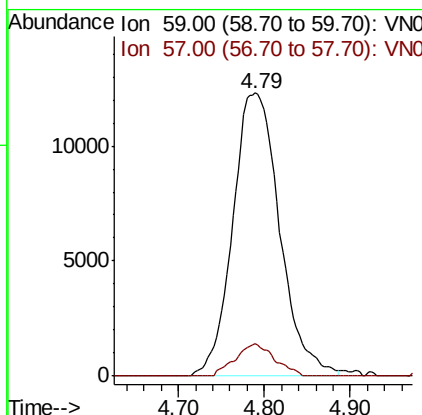
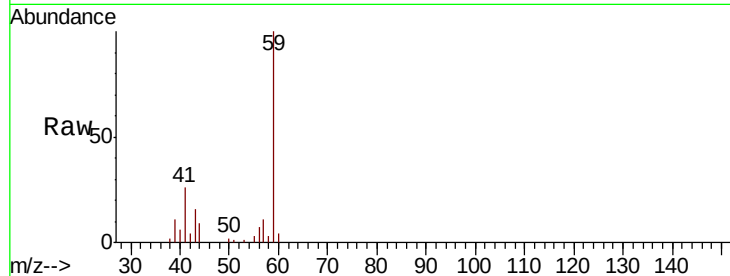




#11
Tert butyl alcohol
Concen: 116.56 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

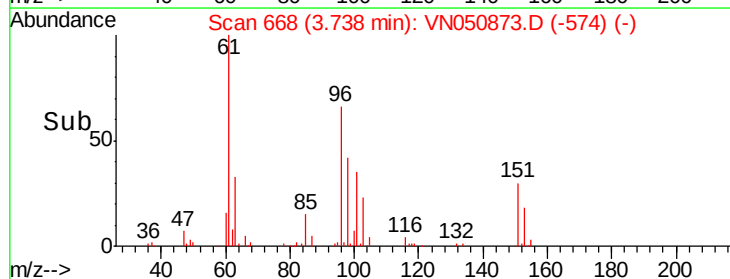
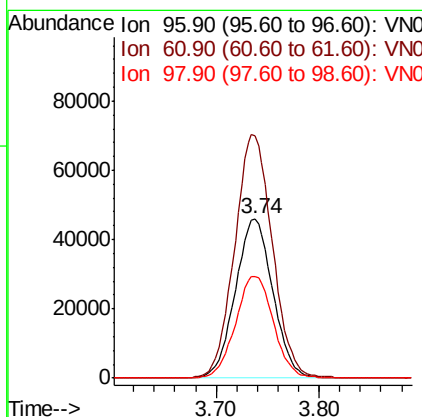
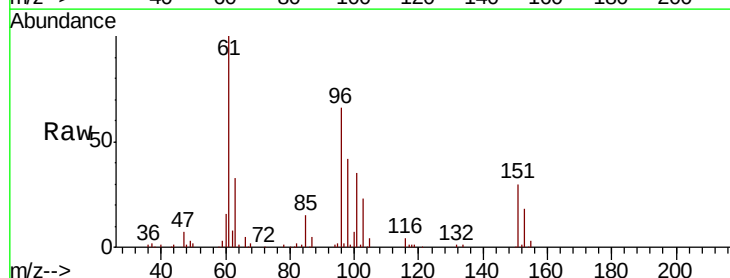
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

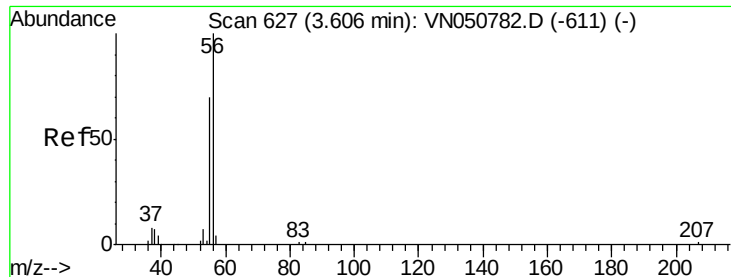
Tot Ion: 59 Resp: 46616
Ion Ratio Lower Upper
59 100
57 9.6 8.3 12.5



#12
1,1-Dichloroethene
Concen: 19.87 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 96 Resp: 116423
Ion Ratio Lower Upper
96 100
61 151.7 124.9 187.3
98 63.7 51.1 76.7





#13

Acrolein

Concen: 96.50 ug/l

RT: 3.61 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

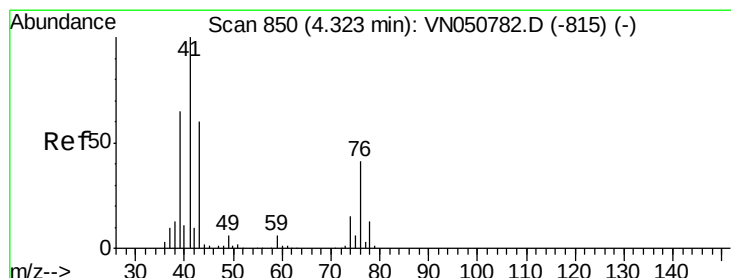
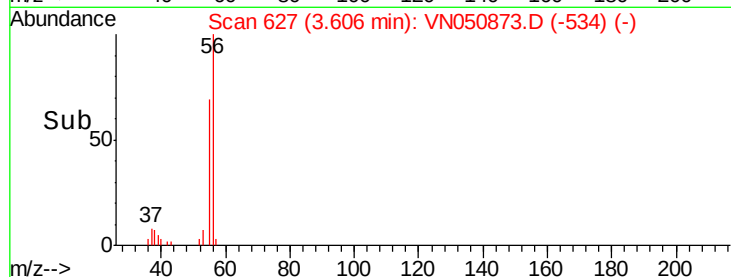
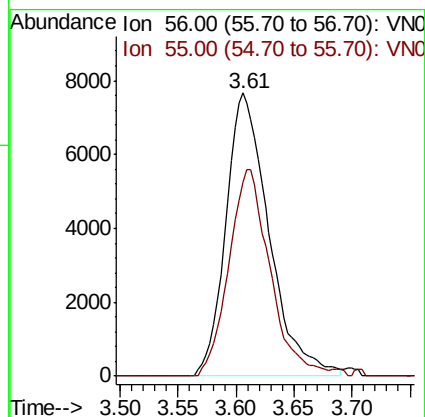
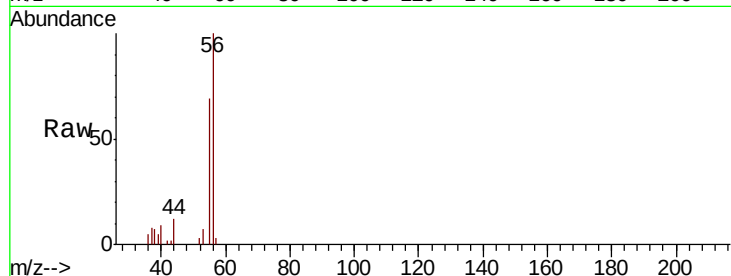
VN0824WBSD02

Tot Ion: 56 Resp: 19771

Ion Ratio Lower Upper

56 100

55 69.6 57.7 86.5



#14

Allyl chloride

Concen: 20.62 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

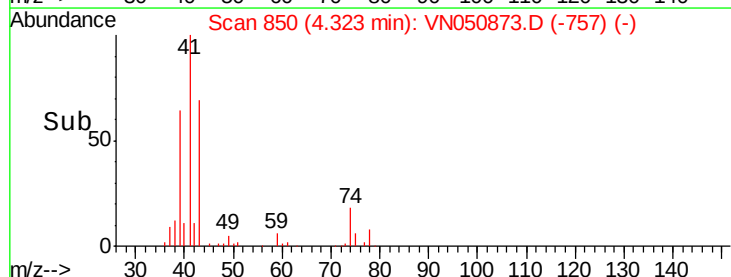
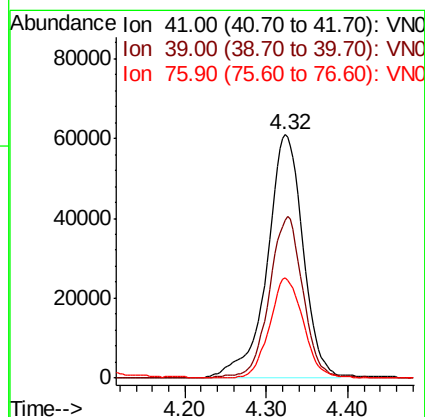
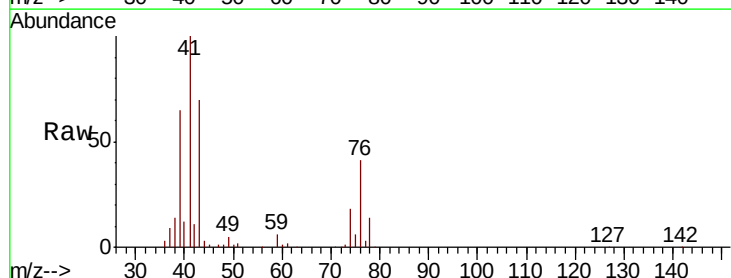
Tgt Ion: 41 Resp: 188295

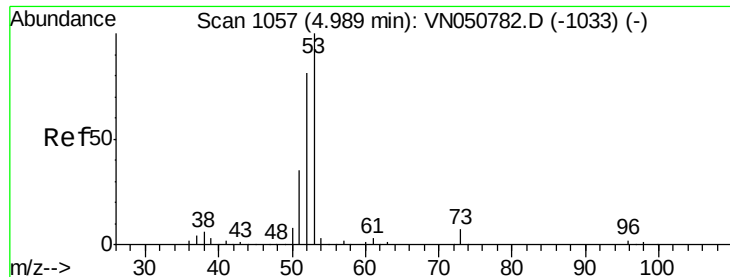
Ion Ratio Lower Upper

41 100

39 62.1 50.2 75.2

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 110.58 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD02

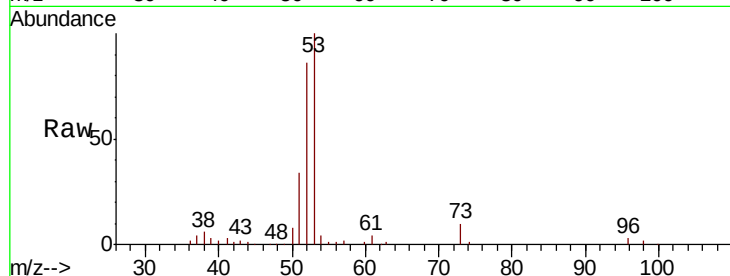
Tot Ion: 53 Resp: 224751

Ion Ratio Lower Upper

53 100

52 81.6 65.9 98.9

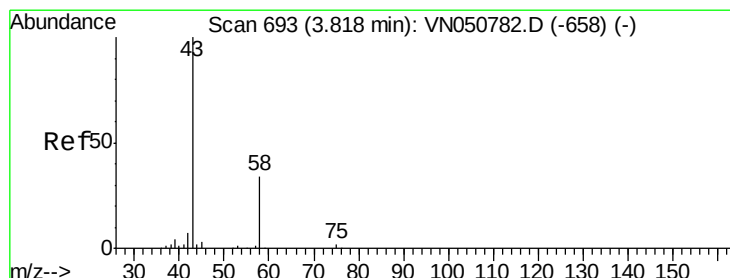
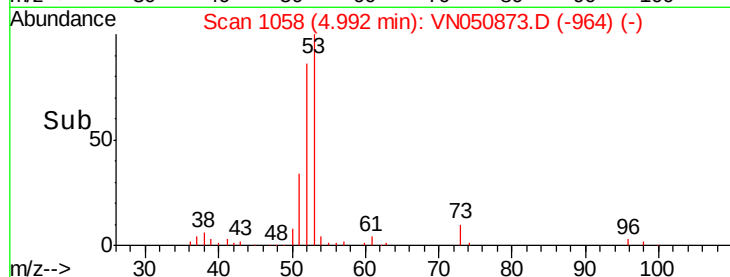
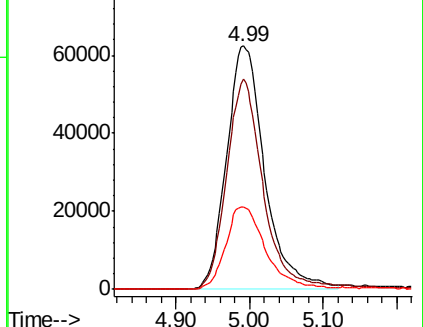
51 35.5 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 100.50 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN050873.D

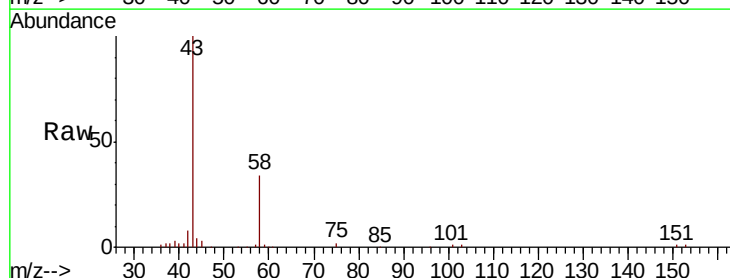
Acq: 24 Aug 2018 13:39

Tgt Ion: 43 Resp: 155750

Ion Ratio Lower Upper

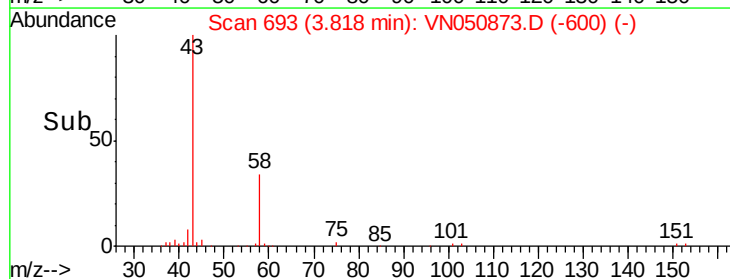
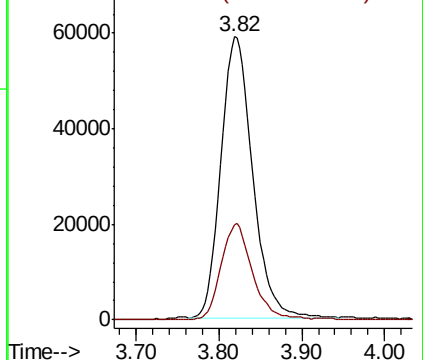
43 100

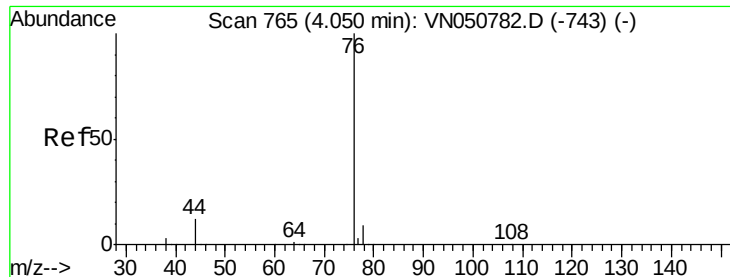
58 33.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.90 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

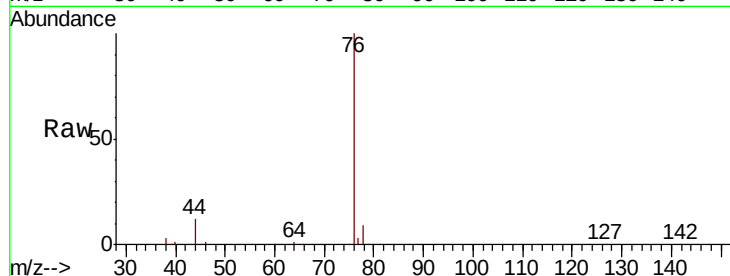
VN0824WBSD02

Tot Ion: 76 Resp: 351654

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050873.D (-743) (-)

Ion 77.90 (77.60 to 78.60): VN050873.D (-743) (-)

4.05

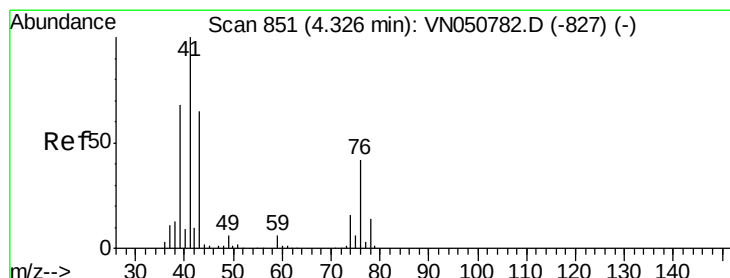
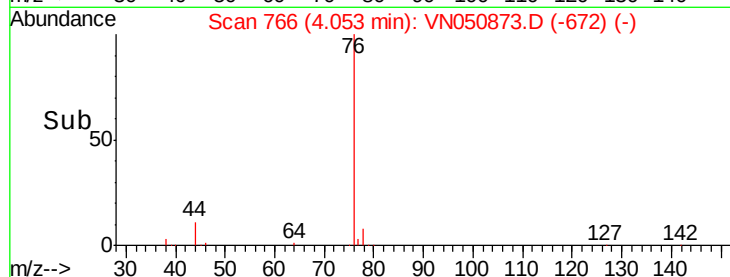
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 22.71 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050873.D

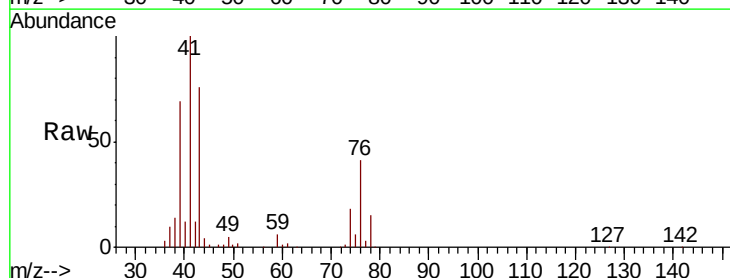
Acq: 24 Aug 2018 13:39

Tgt Ion: 43 Resp: 134661

Ion Ratio Lower Upper

43 100

74 24.2 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN050873.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN050873.D (-758) (-)

4.33

50000

40000

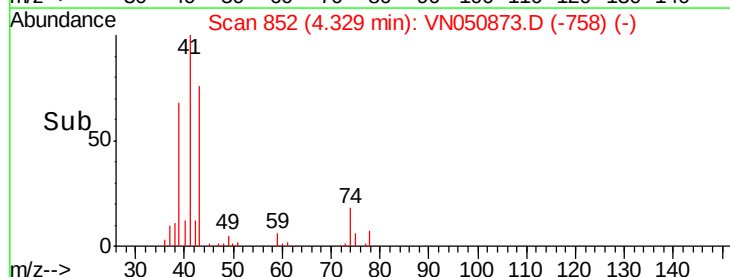
30000

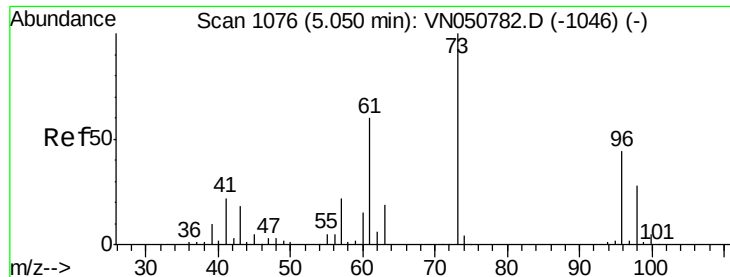
20000

10000

0

Time-->

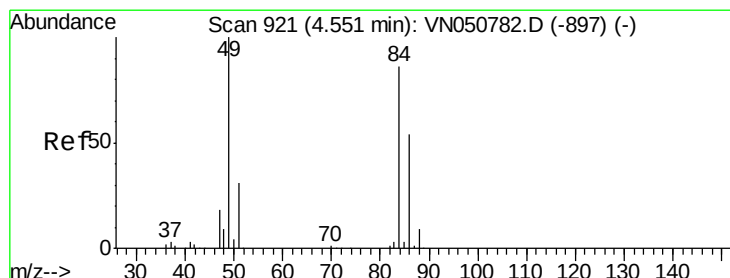
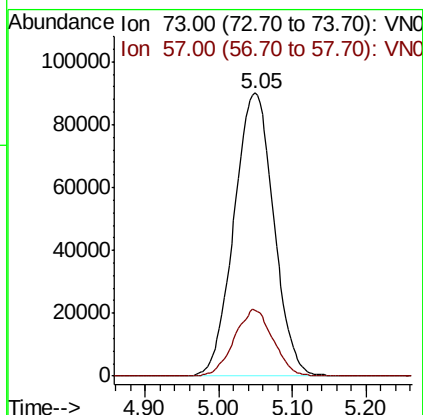
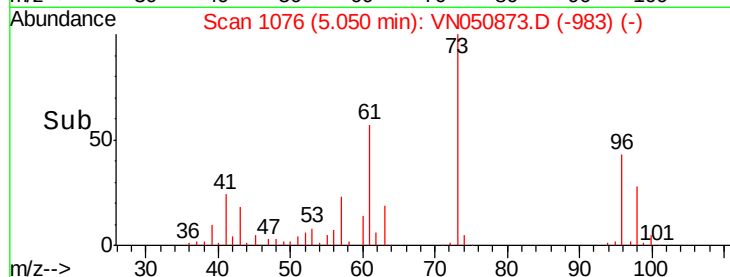
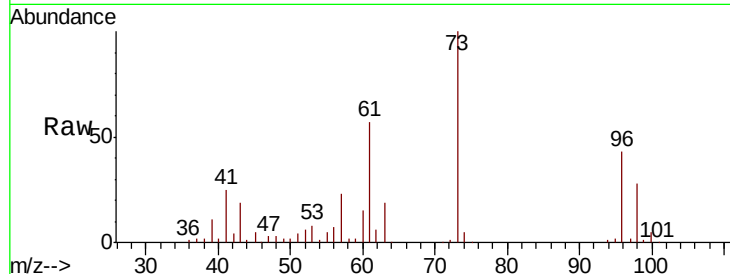




#19
Methyl tert-butyl Ether
Concen: 22.88 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

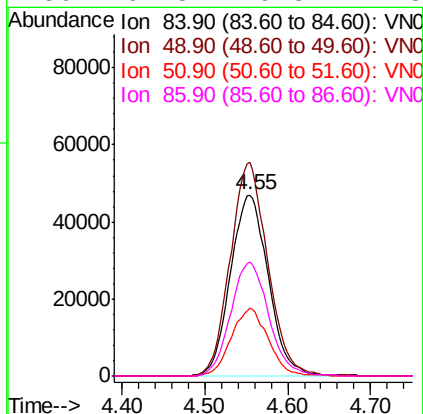
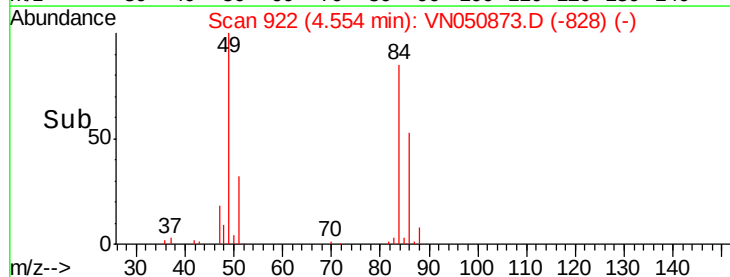
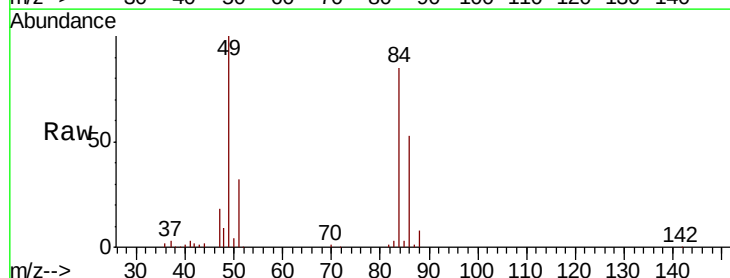
Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD02

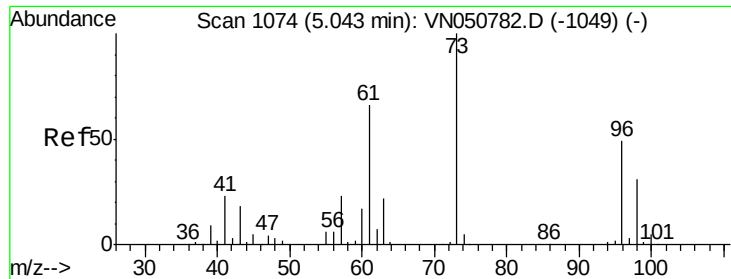
Tot Ion: 73 Resp: 337244
Ion Ratio Lower Upper
73 100
57 23.2 17.8 26.8



#20
Methylene Chloride
Concen: 21.05 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 84 Resp: 149002
Ion Ratio Lower Upper
84 100
49 118.0 93.2 139.8
51 37.2 29.0 43.6
86 62.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.22 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

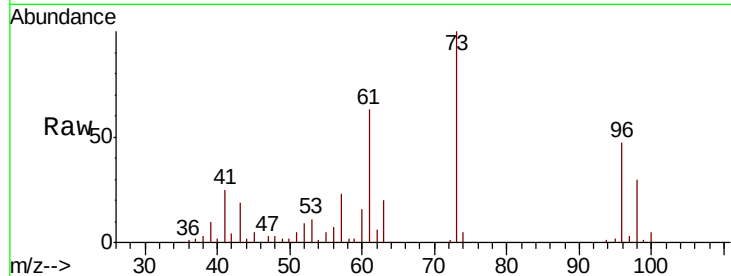
Tot Ion: 96 Resp: 128159

Ion Ratio Lower Upper

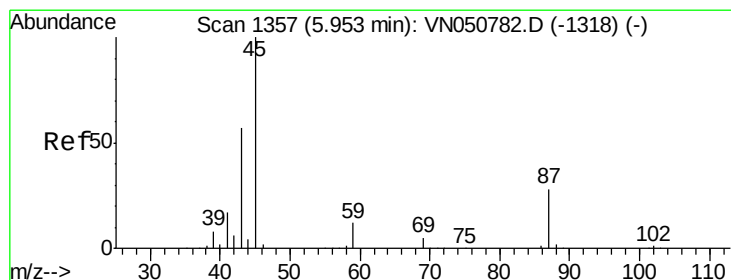
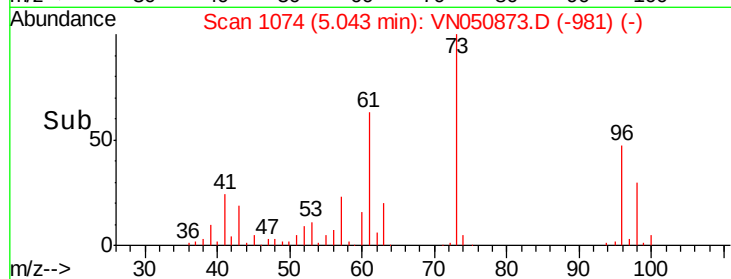
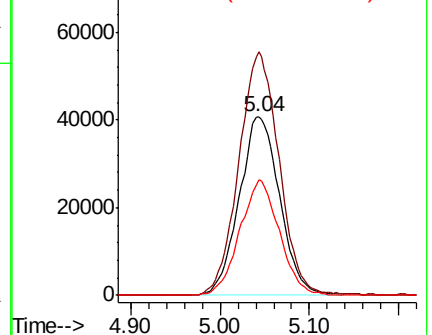
96 100

61 136.1 107.4 161.0

98 64.4 50.7 76.1



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



#22

Diisopropyl ether

Concen: 23.34 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion: 45 Resp: 424645

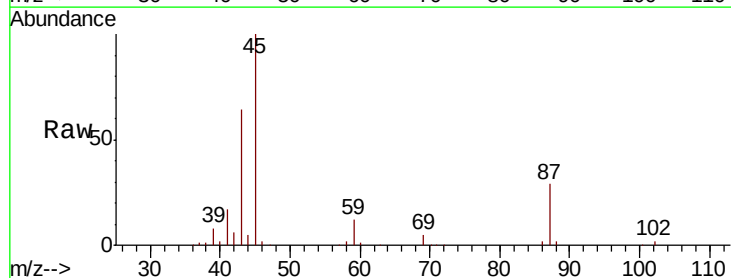
Ion Ratio Lower Upper

45 100

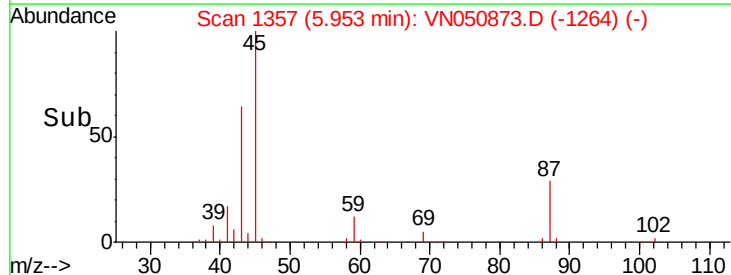
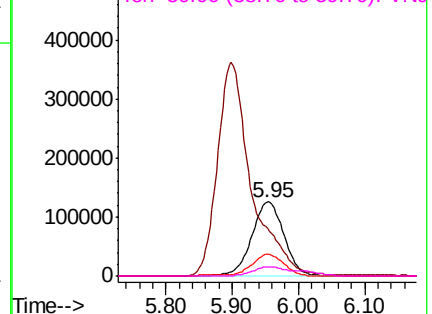
43 62.2 45.9 68.9

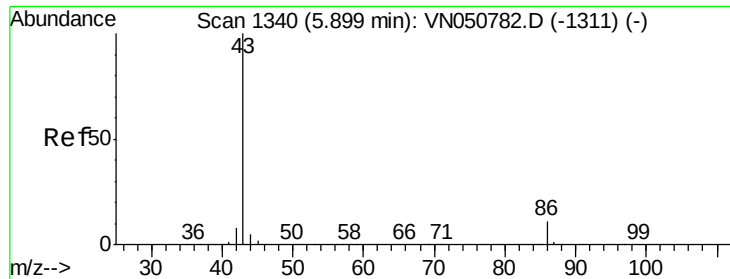
87 29.1 22.7 34.1

59 11.7 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 109.92 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

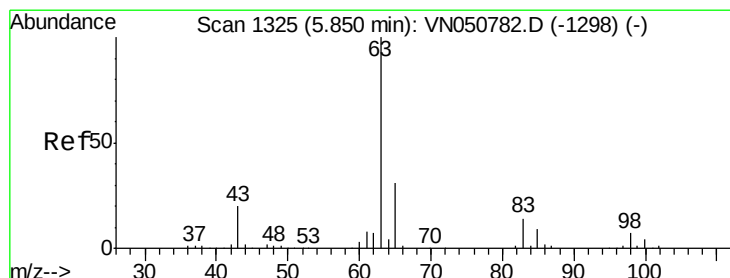
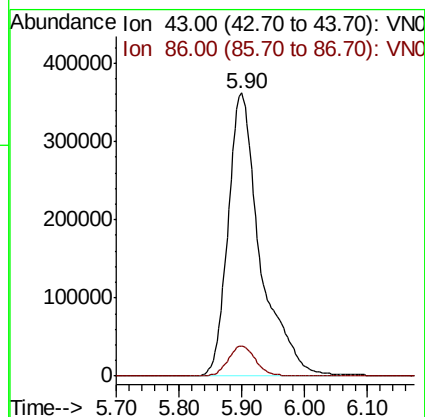
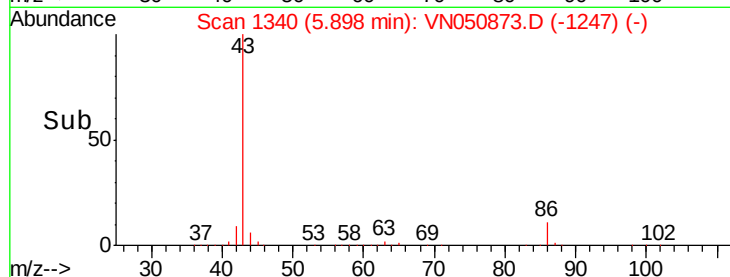
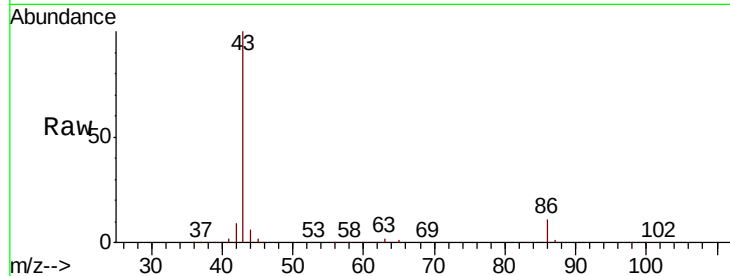
VN0824WBSD02

Tot Ion: 43 Resp: 1288089

Ion Ratio Lower Upper

43 100

86 10.7 8.7 13.1



#24

1,1-Dichloroethane

Concen: 21.13 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

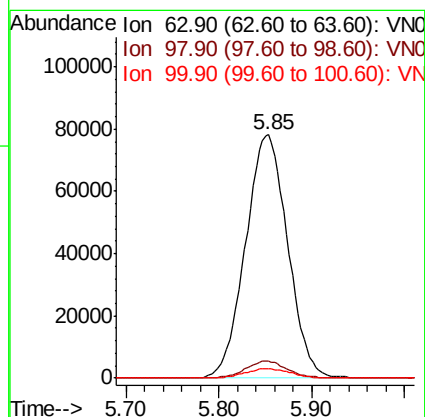
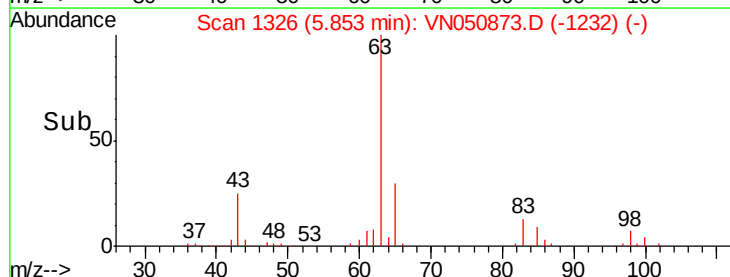
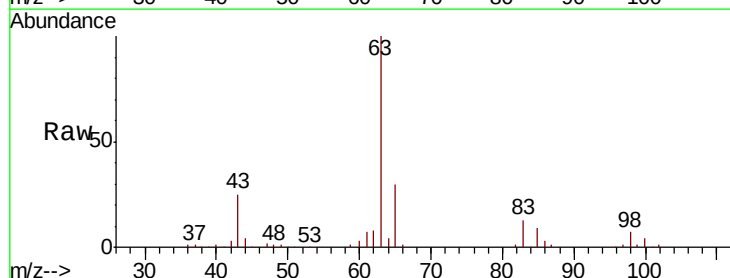
Tgt Ion: 63 Resp: 246798

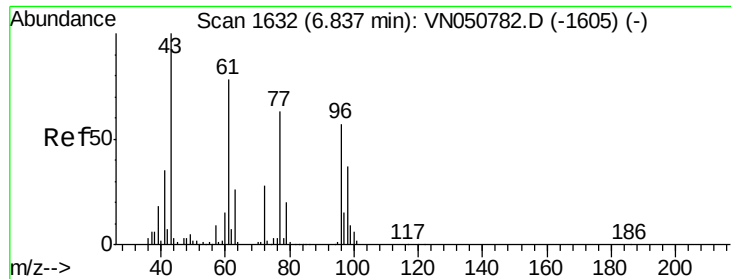
Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

100 3.9 2.1 6.5

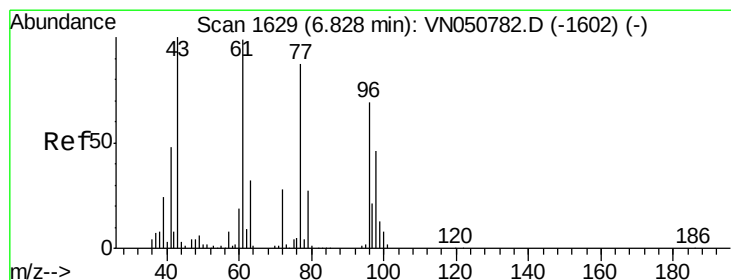
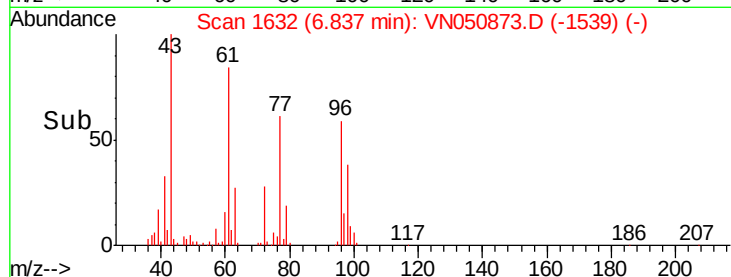
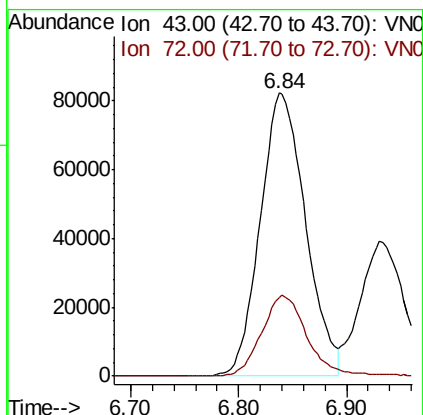
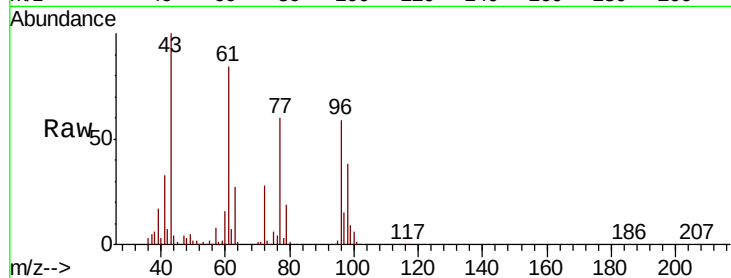




#25
 2-Butanone
 Concen: 94.84 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

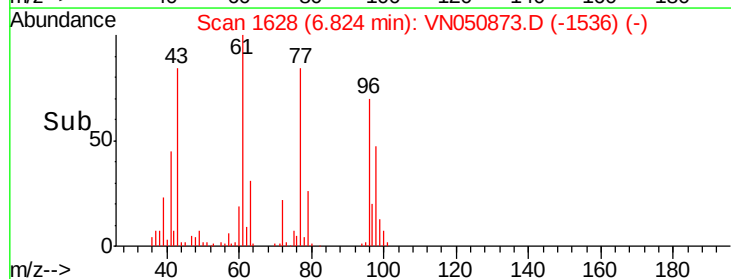
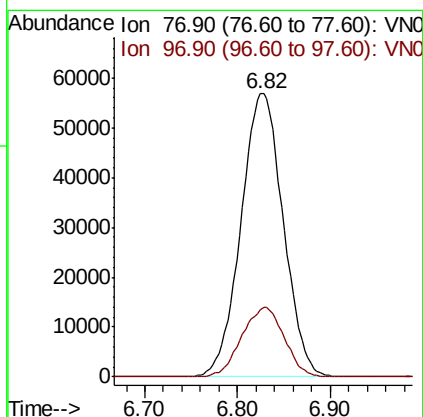
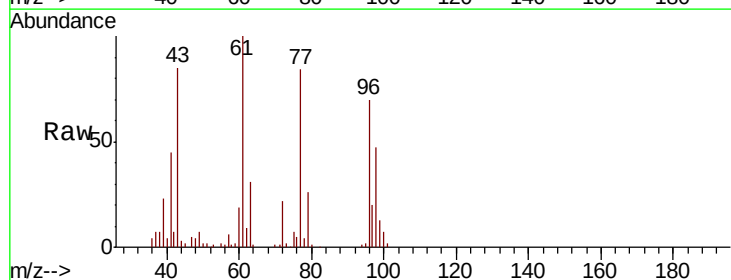
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

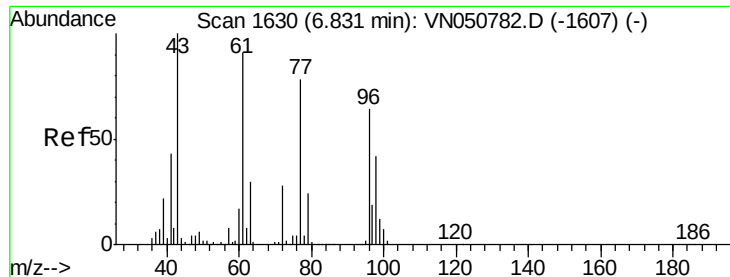
Tot Ion: 43 Resp: 240036
 Ion Ratio Lower Upper
 43 100
 72 28.0 22.3 33.5



#26
 2,2-Dichloropropane
 Concen: 19.17 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 77 Resp: 179948
 Ion Ratio Lower Upper
 77 100
 97 24.6 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 21.80 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

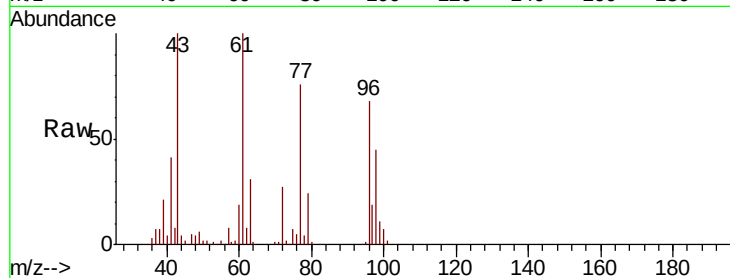
Tot Ion: 96 Resp: 148965

Ion Ratio Lower Upper

96 100

61 140.8 0.0 283.4

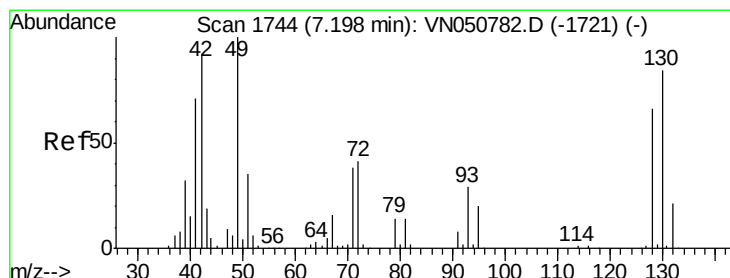
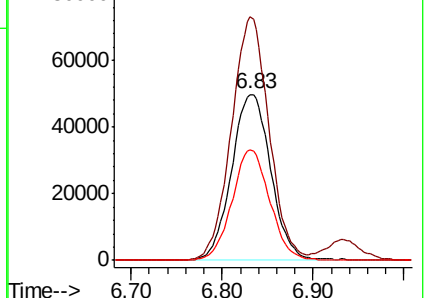
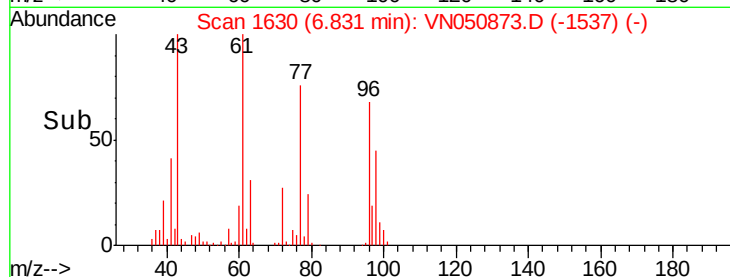
98 64.2 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.11 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

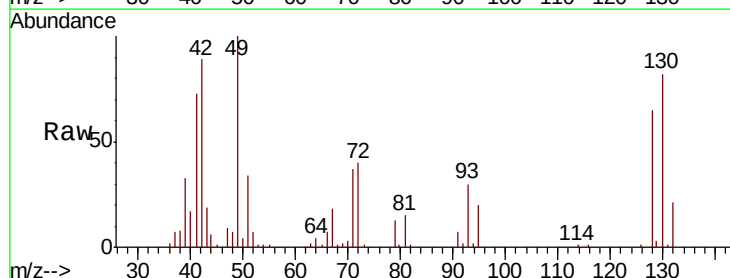
Tgt Ion: 49 Resp: 104783

Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.2

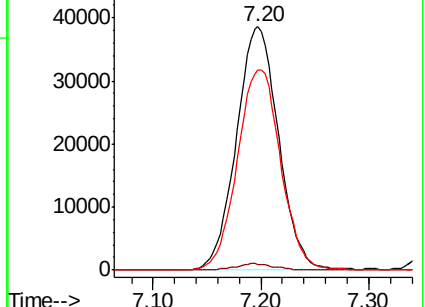
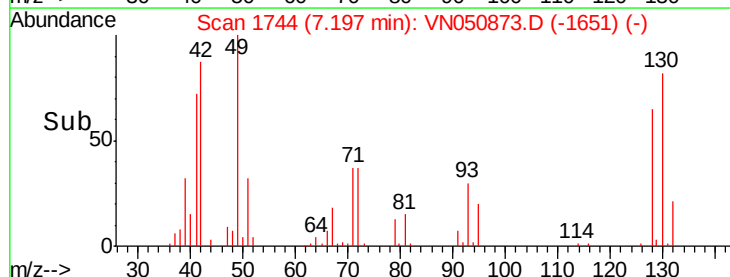
130 84.4 67.1 100.7

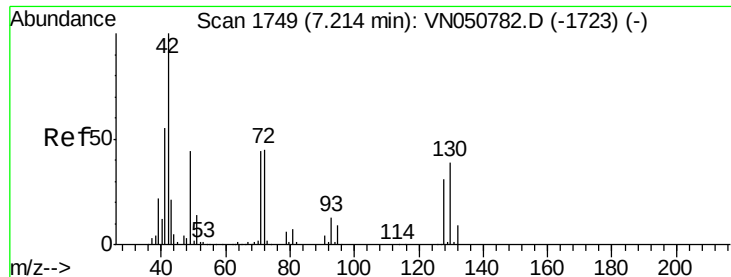


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

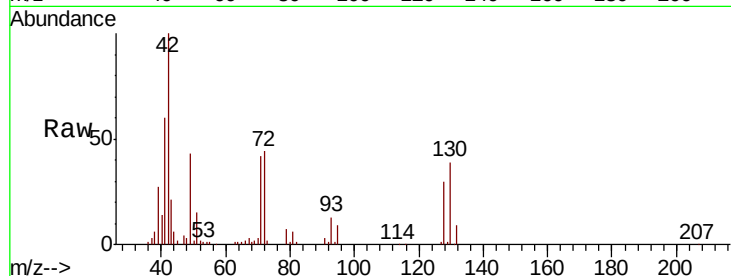




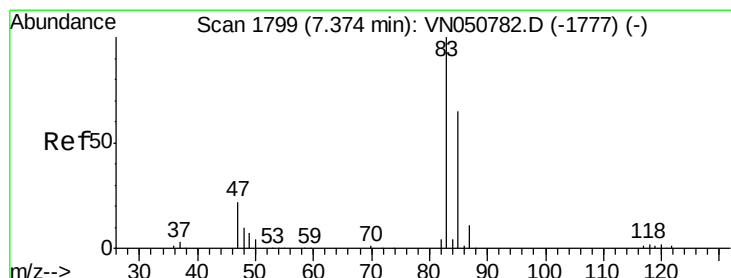
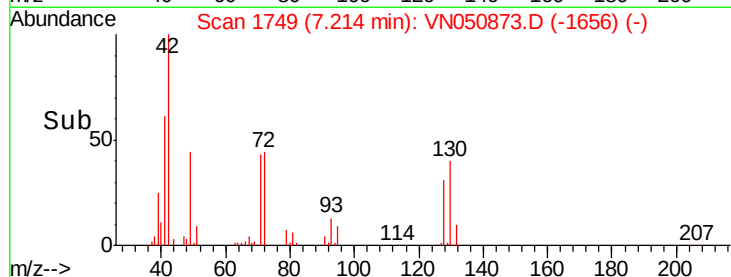
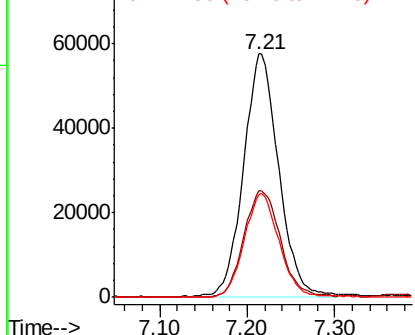
#29
Tetrahydrofuran
Concen: 109.78 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tot Ion: 42 Resp: 159309
Ion Ratio Lower Upper
42 100
72 45.7 35.5 53.3
71 42.5 33.7 50.5

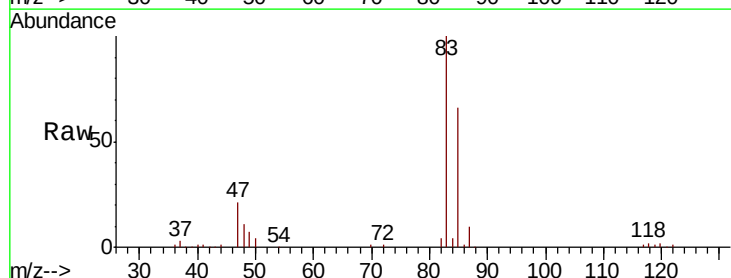


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

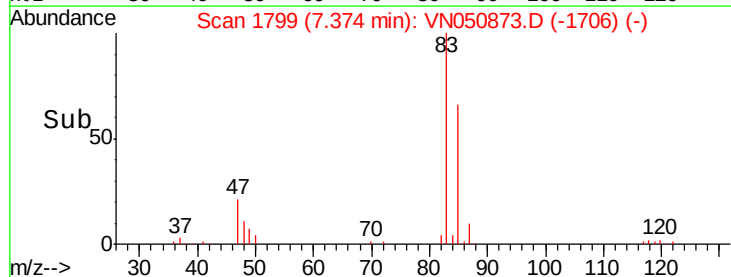
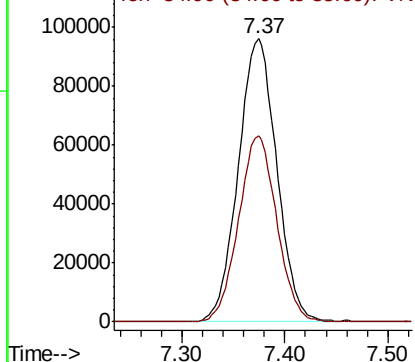


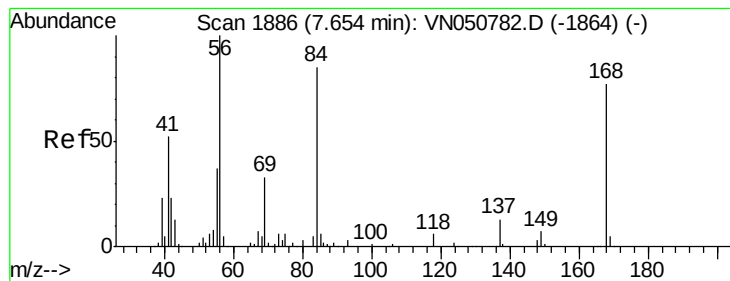
#30
Chloroform
Concen: 21.58 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 83 Resp: 249631
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.4



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





#31

Cyclohexane

Concen: 18.96 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD02

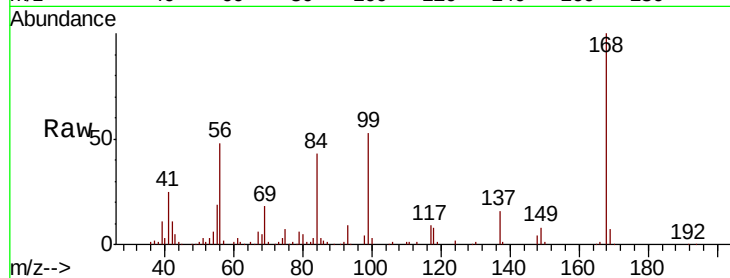
Tot Ion: 56 Resp: 198274

Ion Ratio Lower Upper

56 100

69 36.7 26.2 39.4

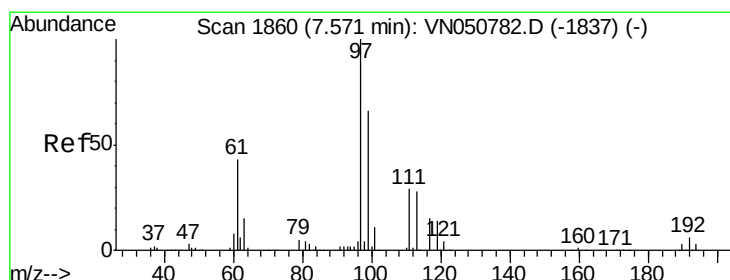
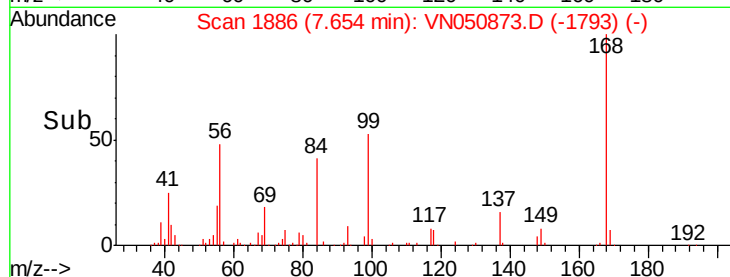
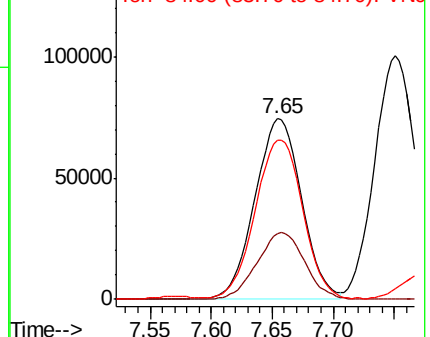
84 86.9 68.3 102.5



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: 20.24 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

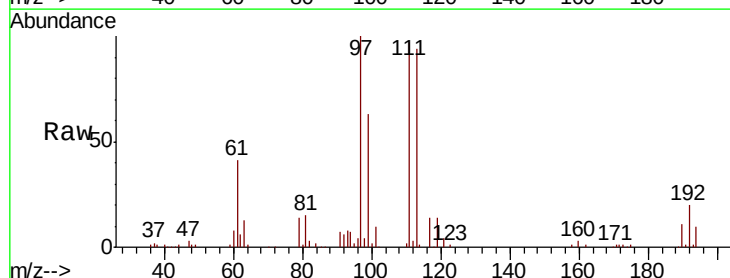
Tgt Ion: 97 Resp: 201158

Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

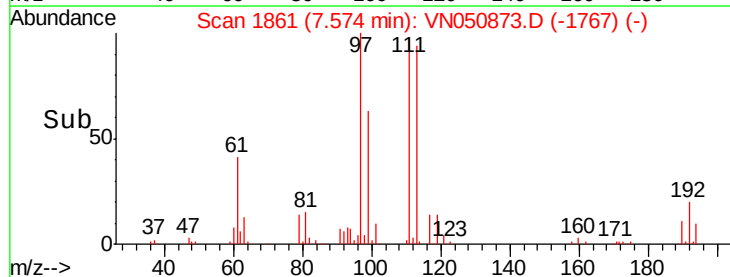
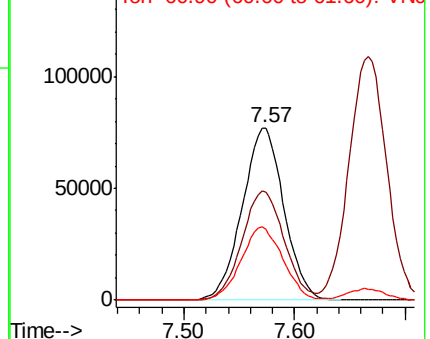
61 42.9 34.9 52.3

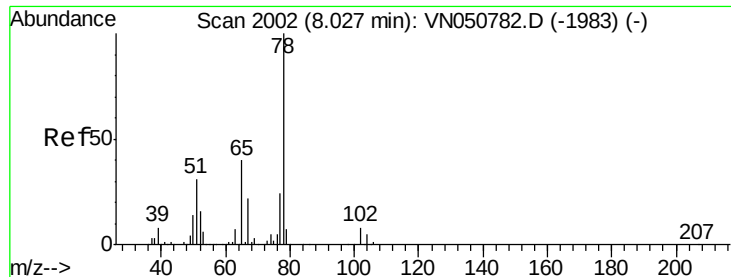


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

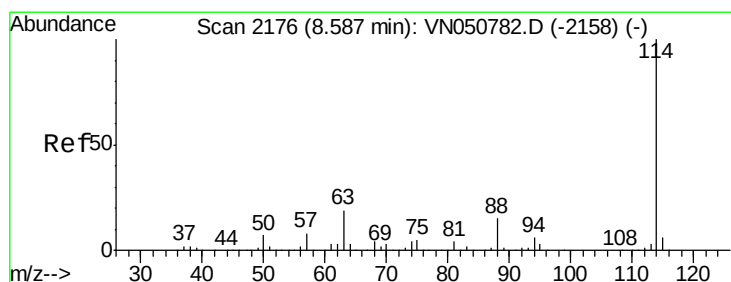
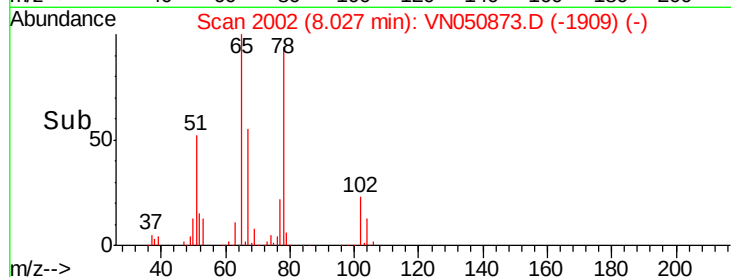
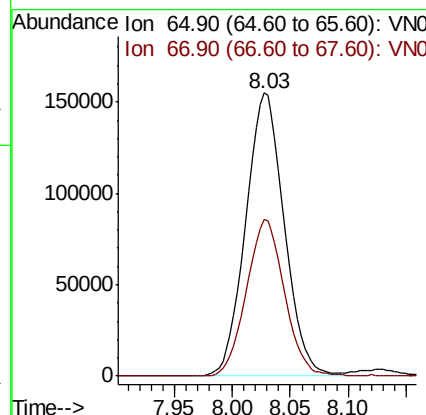
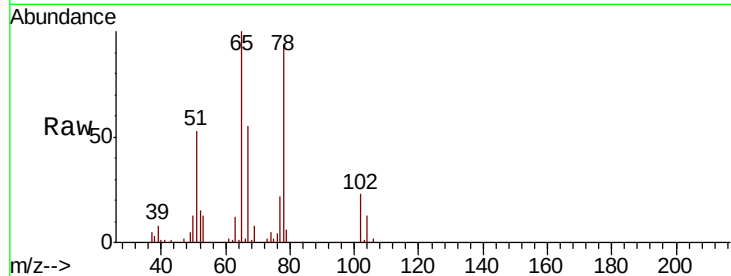




#33
 1,2-Dichloroethane-d4
 Concen: 57.11 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

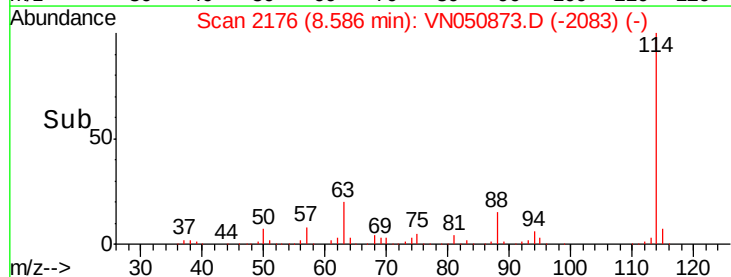
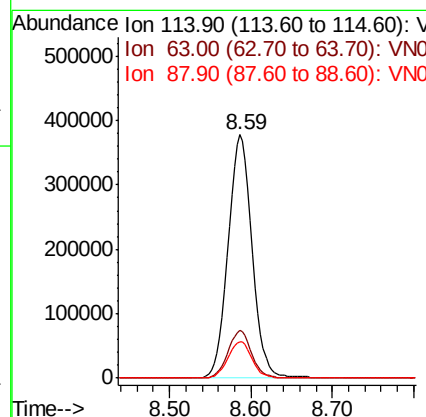
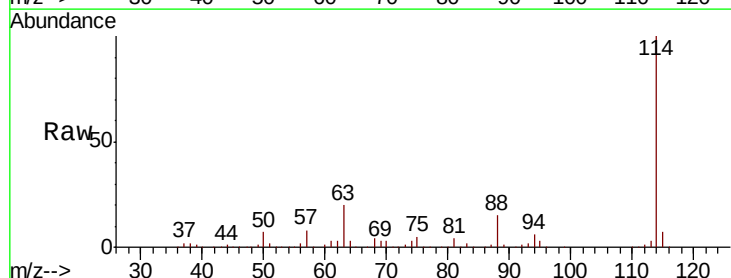
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

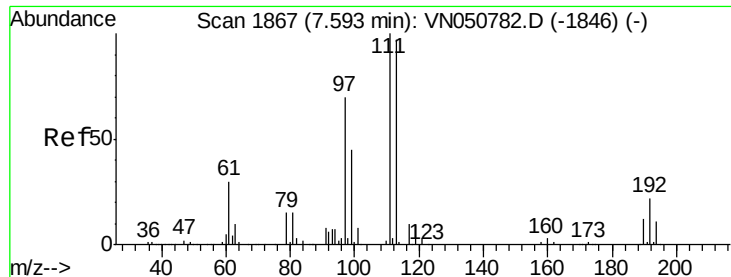
Tot Ion: 65 Resp: 358708
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 114 Resp: 785389
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.1 0.0 30.6

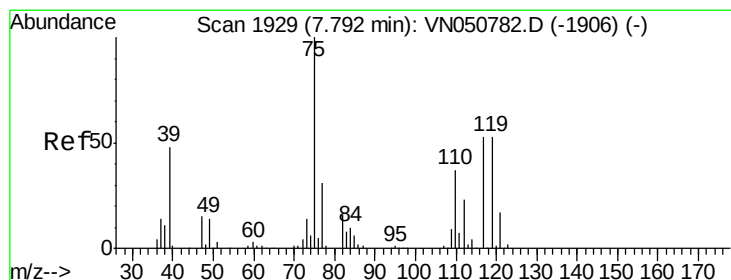
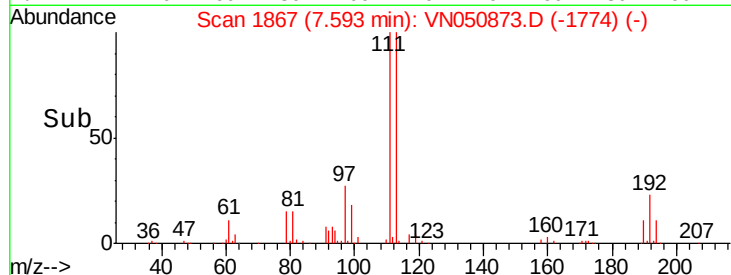
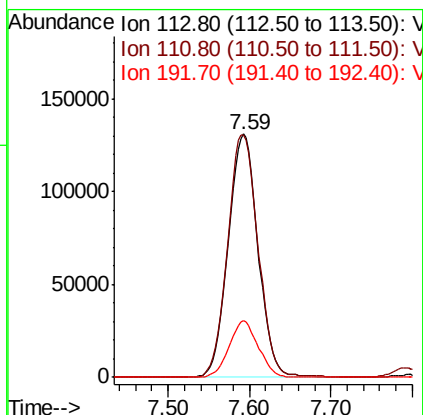
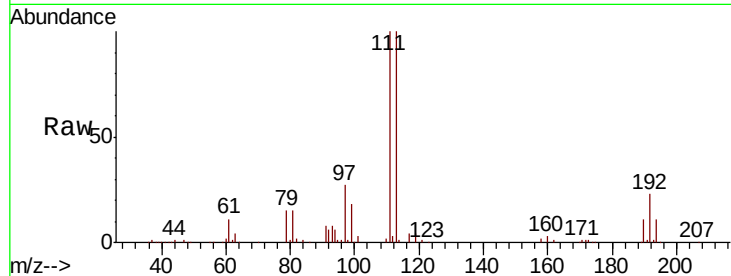




#35
 Dibromofluoromethane
 Concen: 53.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

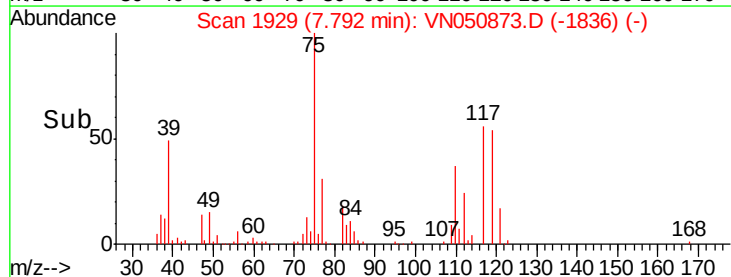
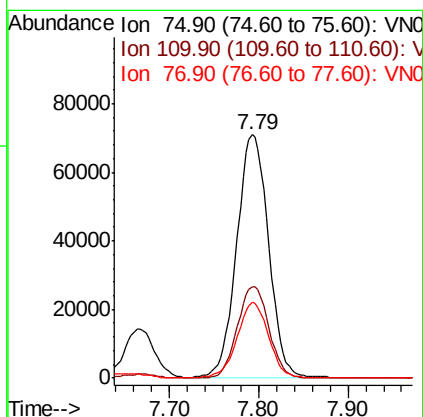
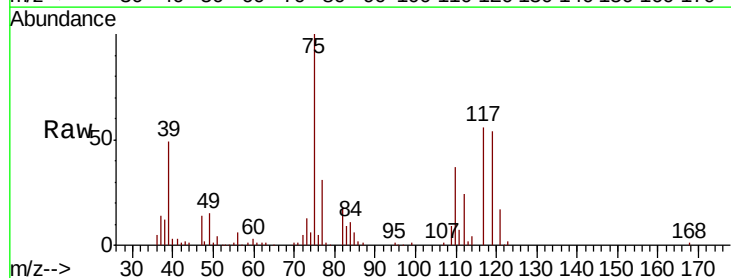
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

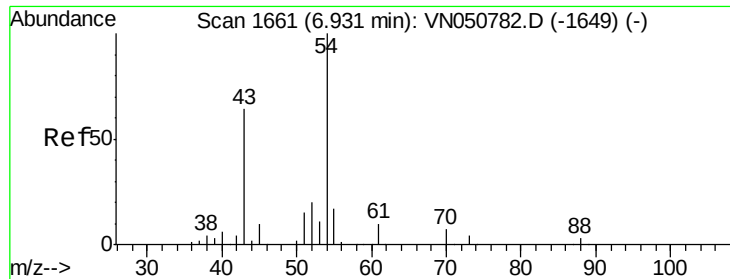
Tot Ion:113 Resp: 335292
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 123.8
 192 22.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 18.88 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 75 Resp: 175023
 Ion Ratio Lower Upper
 75 100
 110 37.4 18.1 54.4
 77 31.0 24.8 37.2

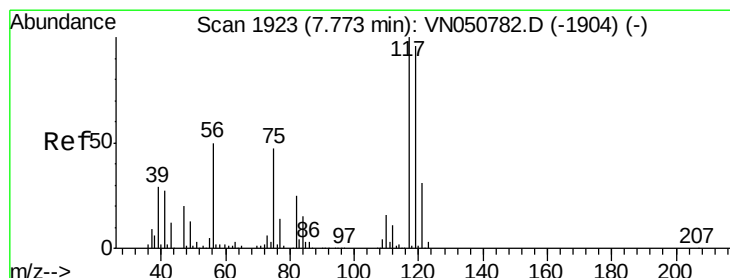
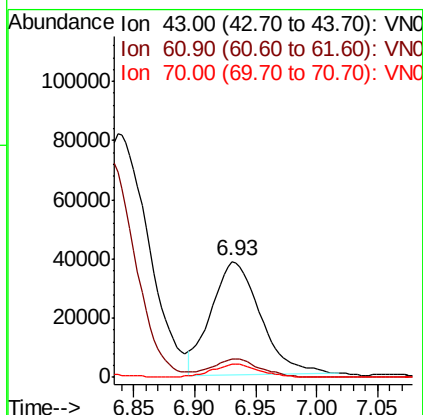
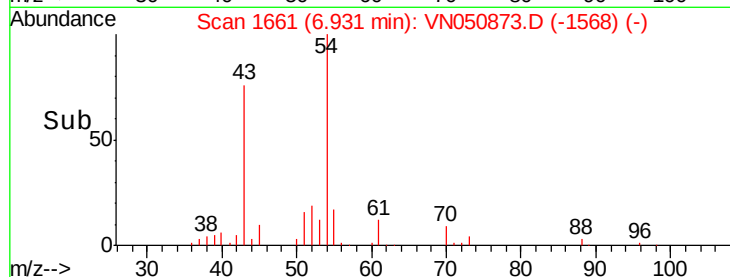
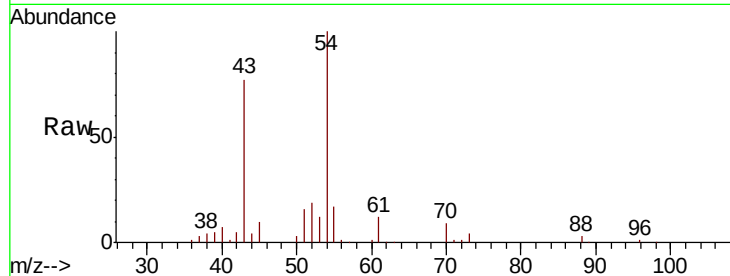




#37
Ethyl Acetate
Concen: 20.32 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

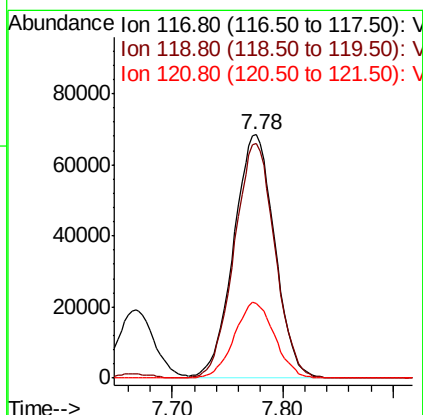
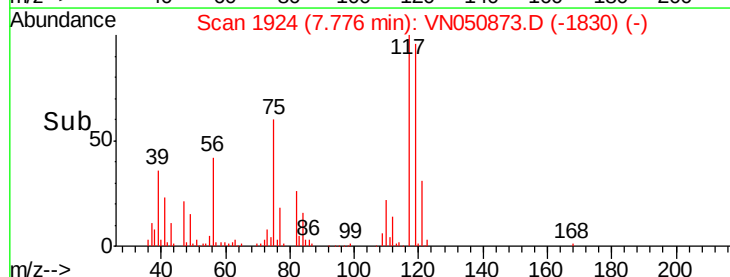
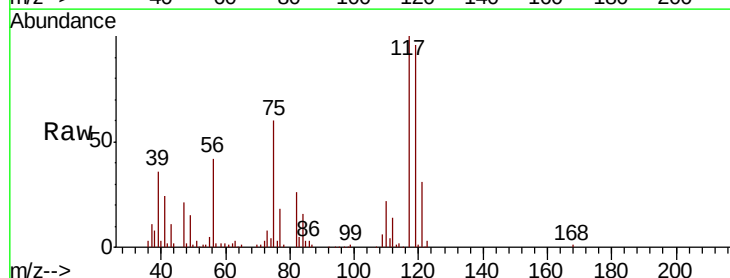
Instrument :
MSVOA_N
ClientSampleID :
VN0824WBSD02

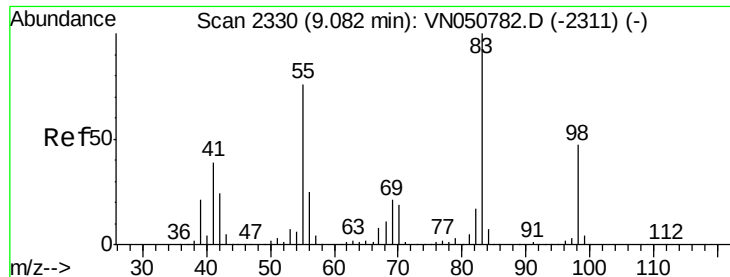
Tot Ion: 43 Resp: 108158
Ion Ratio Lower Upper
43 100
61 14.8 12.0 18.0
70 11.6 8.6 13.0



#38
Carbon Tetrachloride
Concen: 18.83 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 117 Resp: 176388
Ion Ratio Lower Upper
117 100
119 96.3 76.3 114.5
121 30.7 24.6 36.8

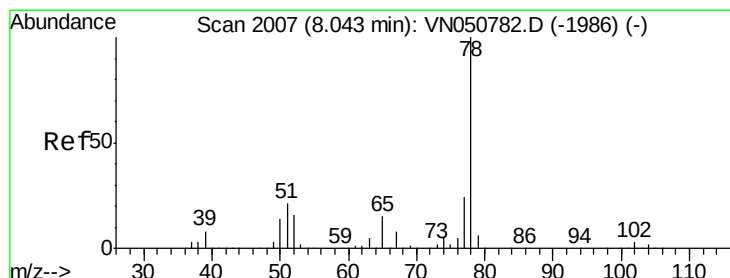
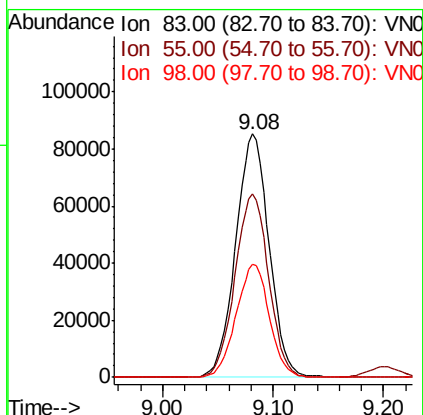
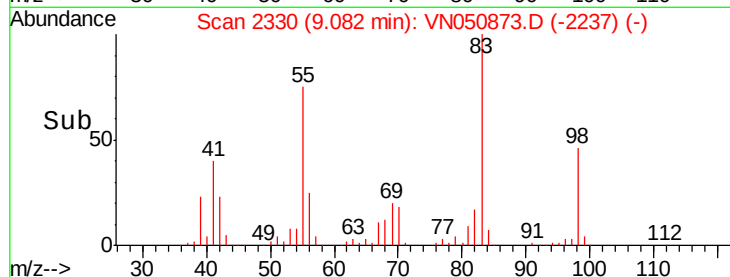
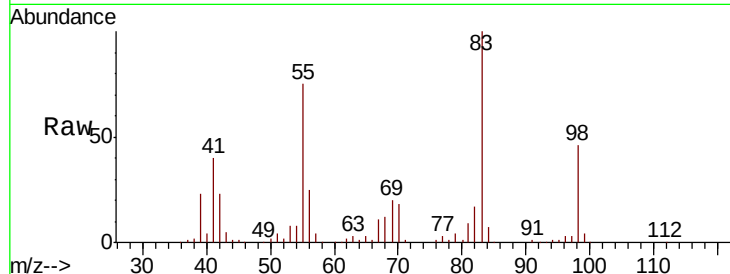




#39
Methylvlcyclohexane
Concen: 17.83 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

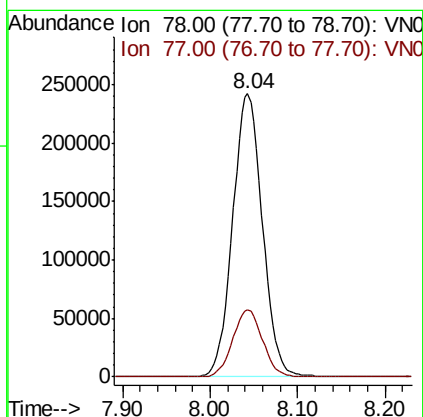
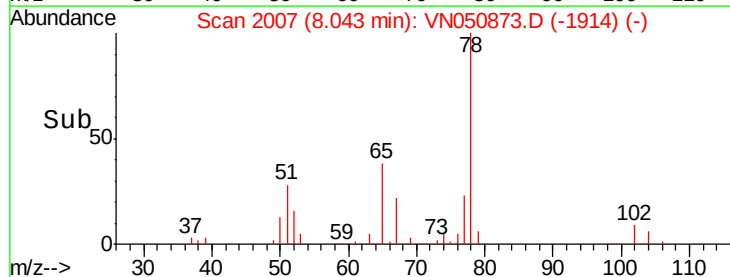
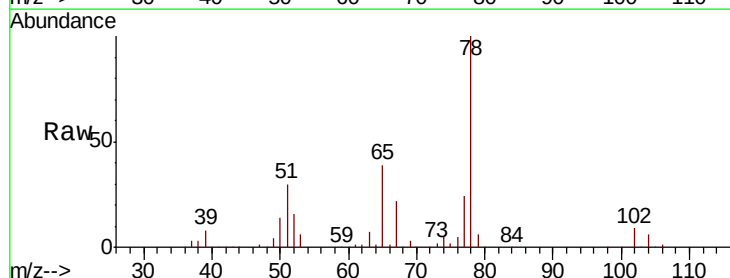
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

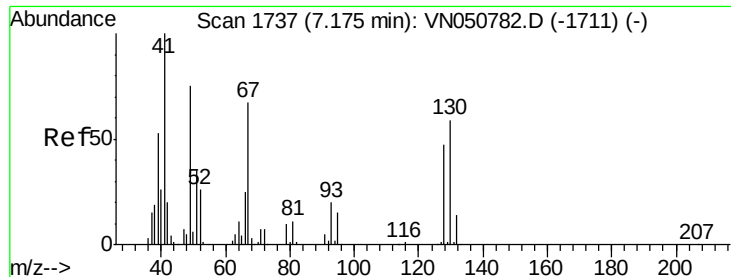
Tot Ion: 83 Resp: 178769
Ion Ratio Lower Upper
83 100
55 75.2 61.0 91.4
98 46.4 37.5 56.3



#40
Benzene
Concen: 20.47 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 78 Resp: 572060
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4

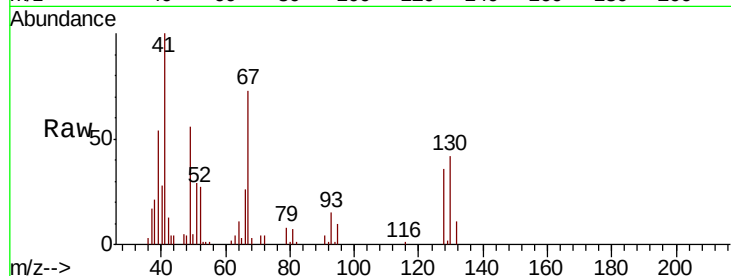




#41
Methacrylonitrile
Concen: 17.57 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

Tot Ion:	41	Resp:	50608
Ion	Ratio	Lower	Upper
41	100		
39	74.1	45.4	68.0#
67	102.6	70.6	106.0
52	40.1	27.1	40.7



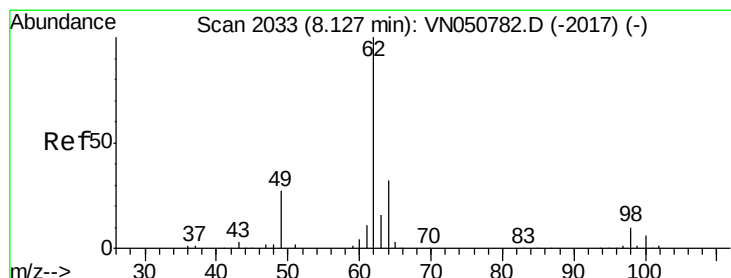
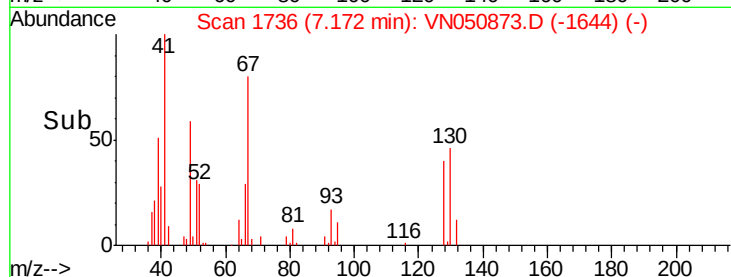
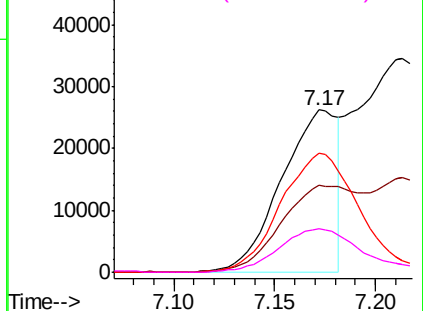
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

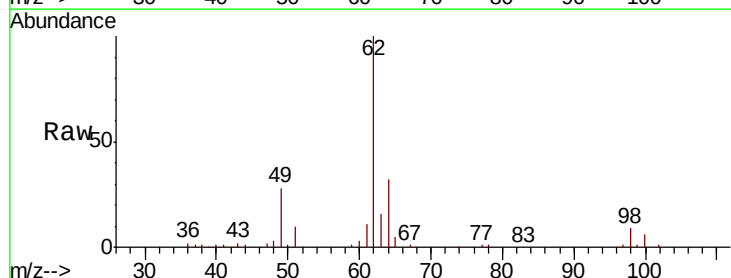
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42
1,2-Dichloroethane
Concen: 21.22 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

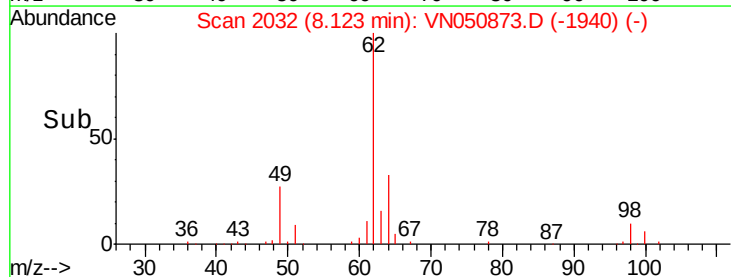
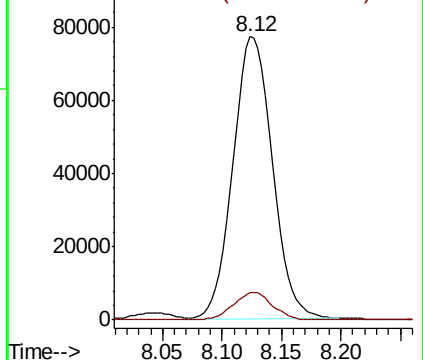
Tgt Ion:	62	Resp:	177329
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6

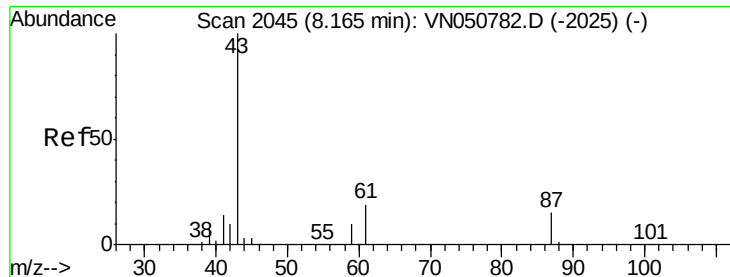


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 21.13 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

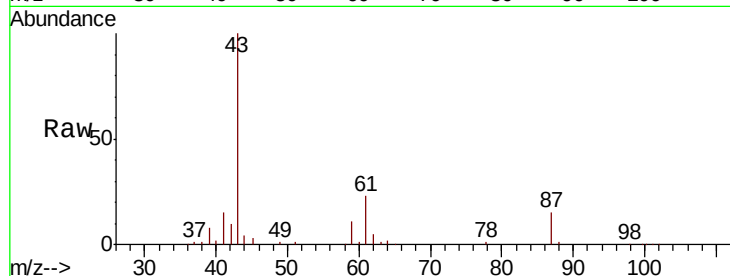
Tot Ion: 43 Resp: 193447

Ion Ratio Lower Upper

43 100

61 22.2 17.5 26.3

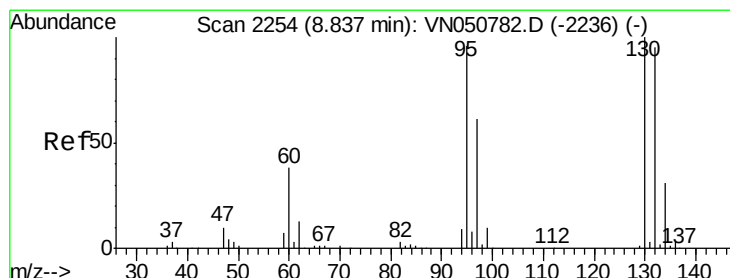
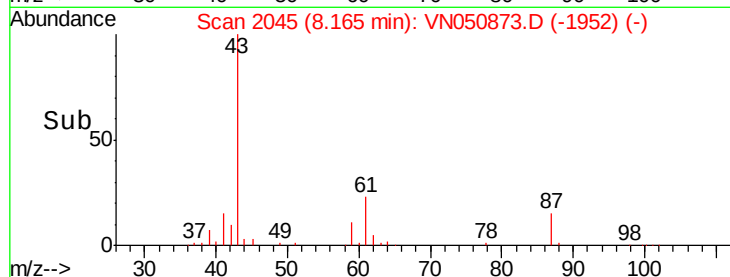
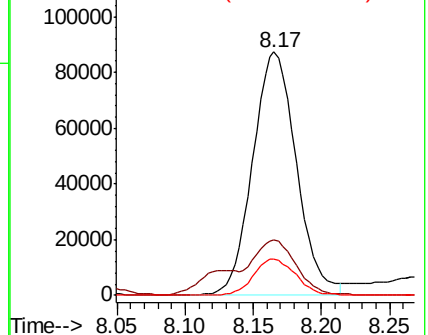
87 14.5 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VN050873.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN050873.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN050873.D (-1952) (-)



#44

Trichloroethene

Concen: 19.54 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050873.D

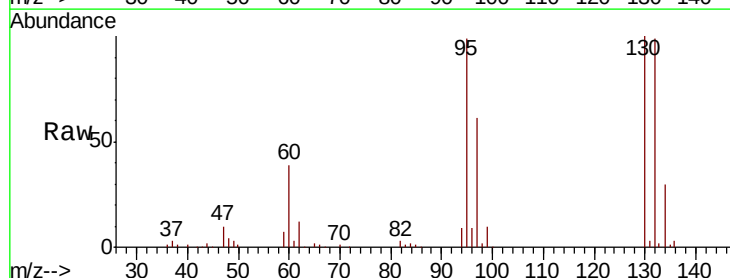
Acq: 24 Aug 2018 13:39

Tgt Ion:130 Resp: 144046

Ion Ratio Lower Upper

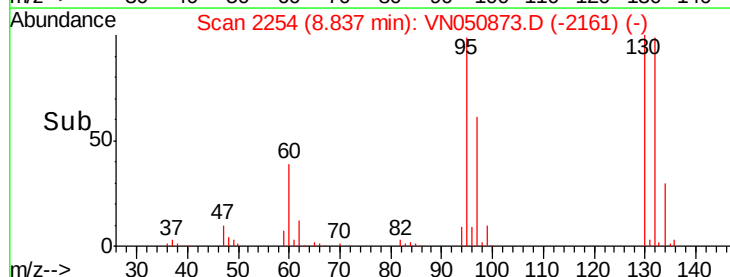
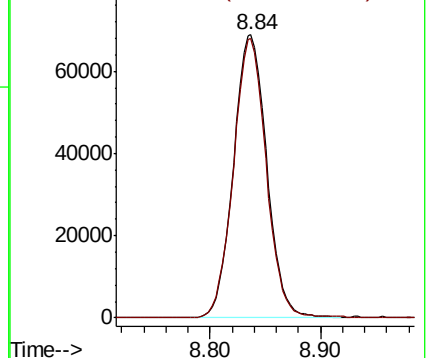
130 100

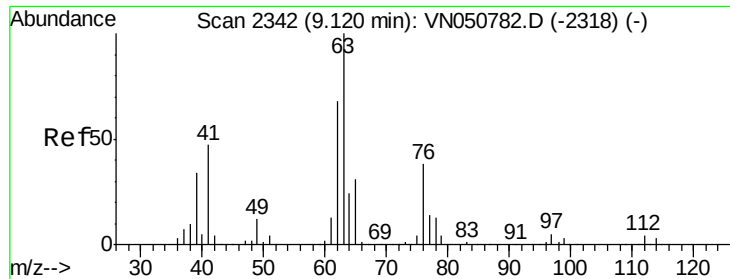
95 98.8 0.0 193.0



Abundance Ion 129.80 (129.50 to 130.50): VN050873.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN050873.D (-2161) (-)

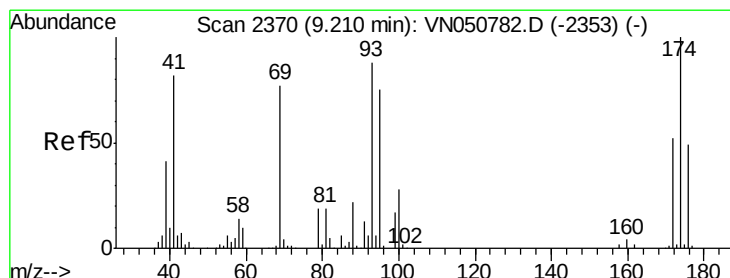
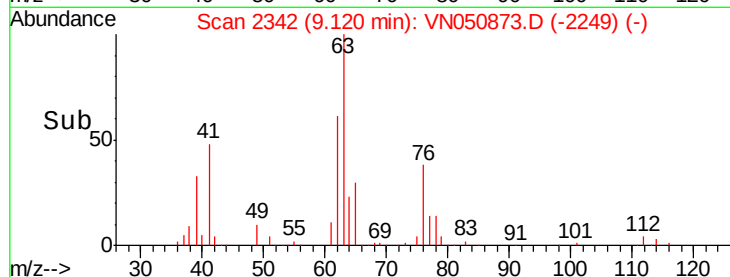
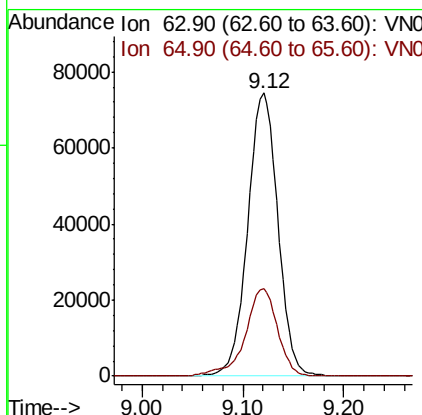
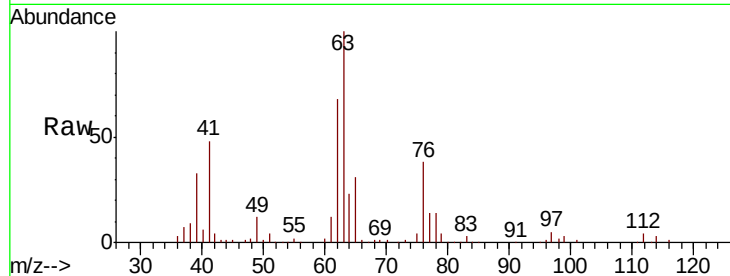




#45
 1,2-Dichloropropane
 Concen: 20.94 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

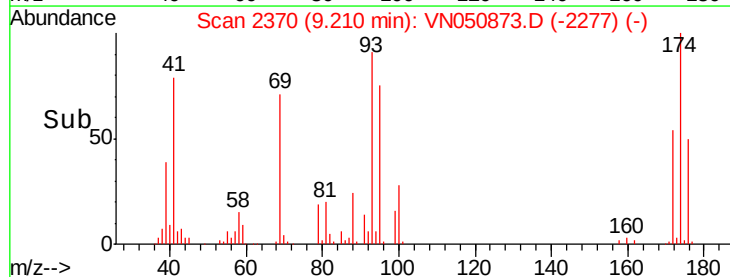
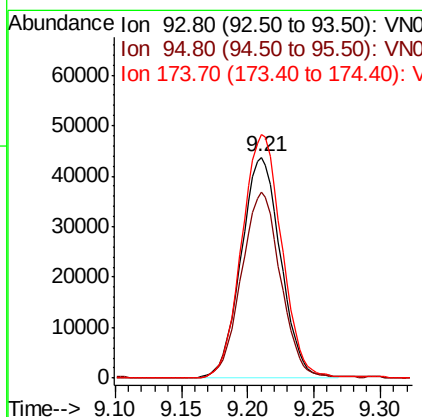
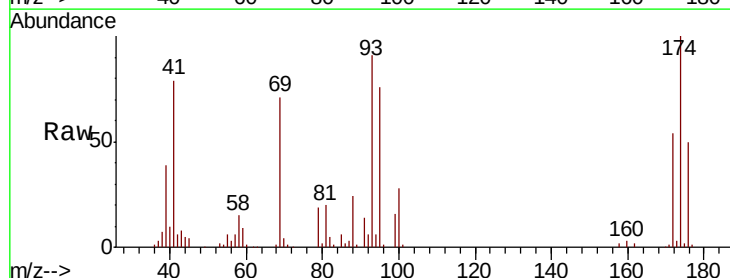
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

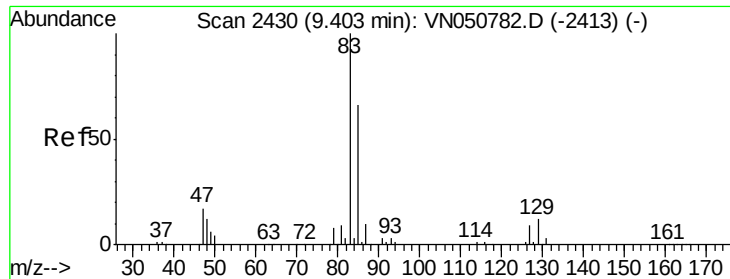
Tot Ion: 63 Resp: 153837
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6



#46
 Dibromomethane
 Concen: 21.01 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 93 Resp: 90691
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.7 100.1
 174 111.5 89.8 134.6





#47

Bromodichloromethane

Concen: 20.88 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

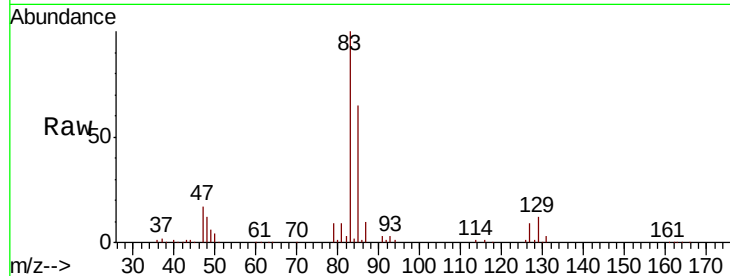
Tot Ion: 83 Resp: 188789

Ion Ratio Lower Upper

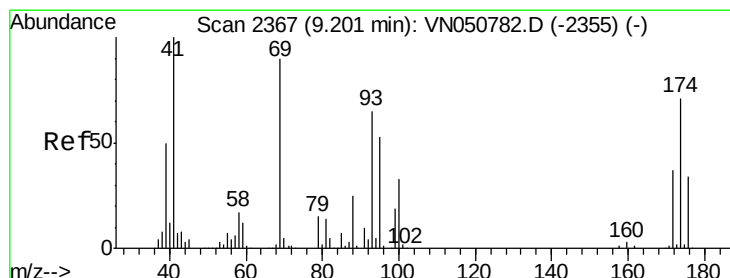
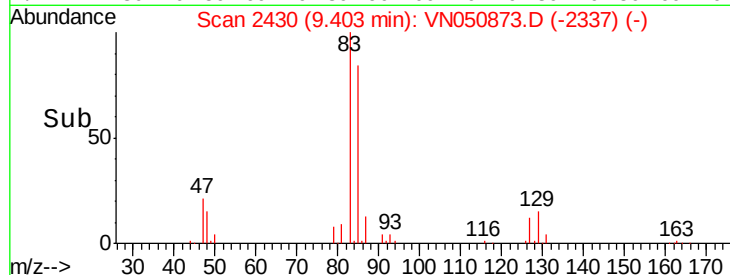
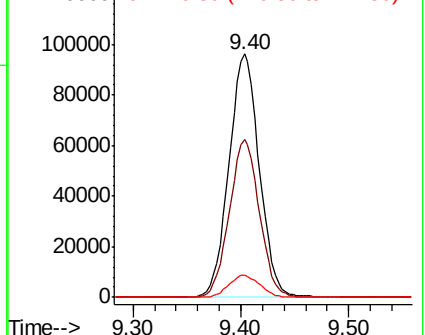
83 100

85 64.9 52.6 78.8

127 9.0 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: 20.83 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

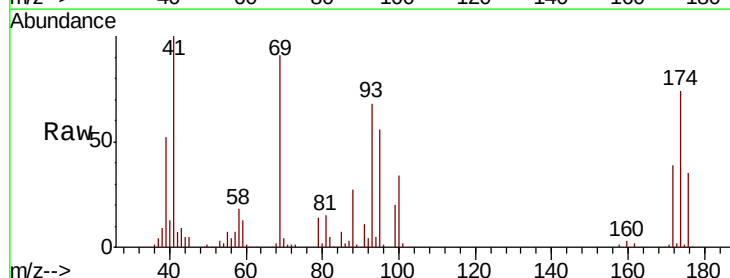
Tgt Ion: 41 Resp: 97190

Ion Ratio Lower Upper

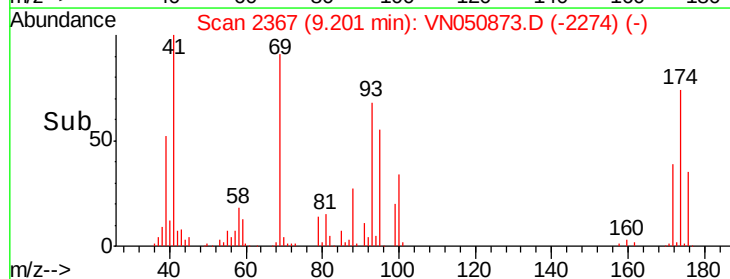
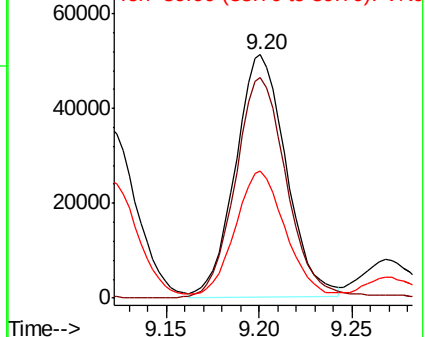
41 100

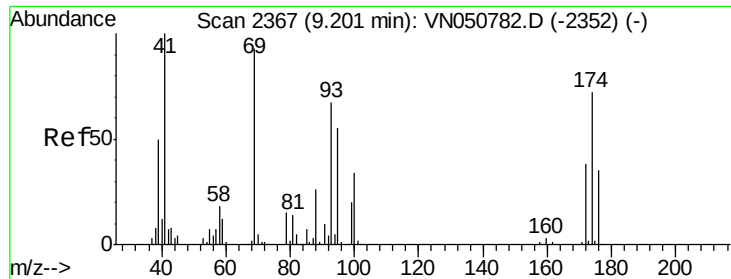
69 92.6 74.7 112.1

39 52.5 42.2 63.2



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: 448.97 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD02

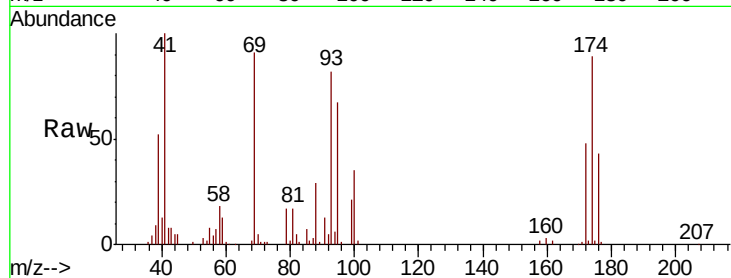
Tot Ion: 88 Resp: 28552

Ion Ratio Lower Upper

88 100

43 28.2 25.9 38.9

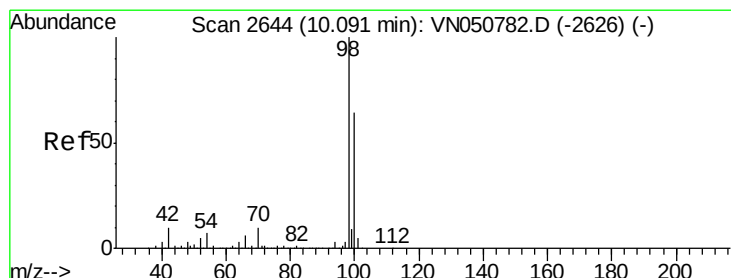
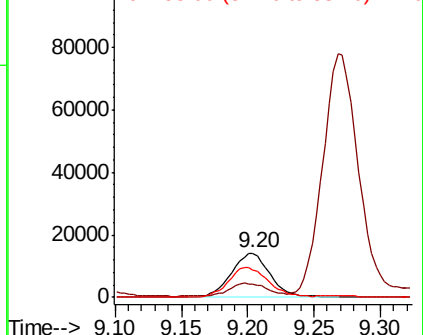
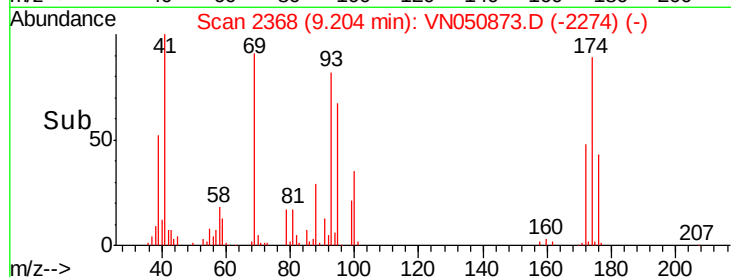
58 70.8 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.79 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050873.D

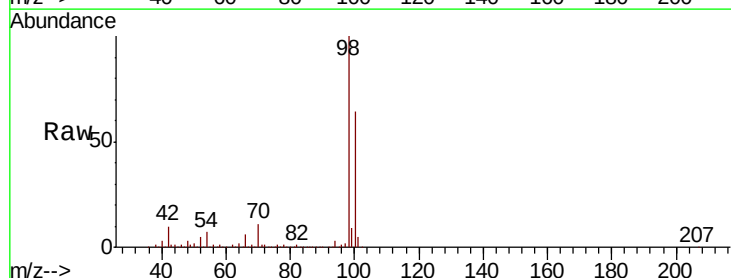
Acq: 24 Aug 2018 13:39

Tgt Ion: 98 Resp: 1209813

Ion Ratio Lower Upper

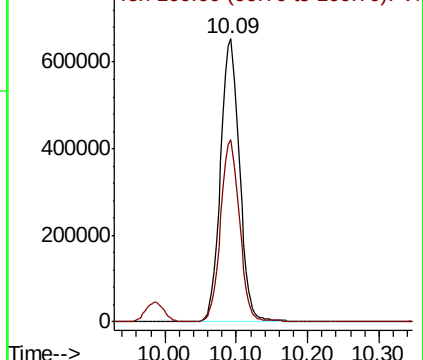
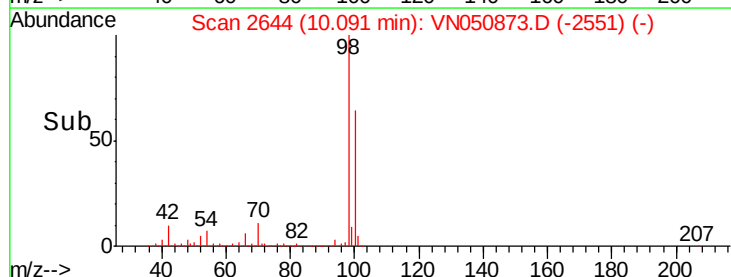
98 100

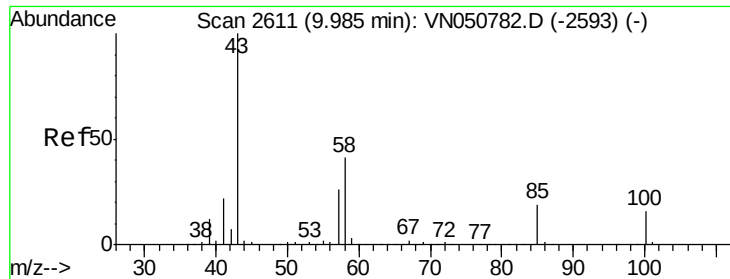
100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 99.68 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

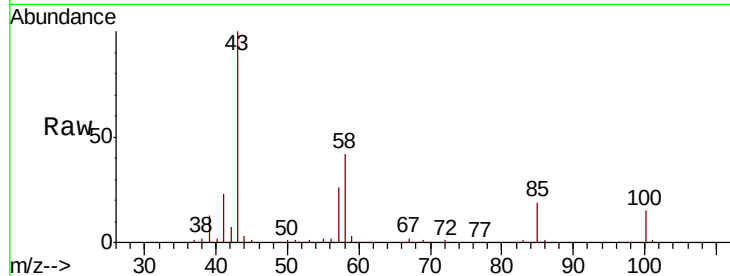
VN0824WBSD02

Tot Ion: 43 Resp: 544519

Ion Ratio Lower Upper

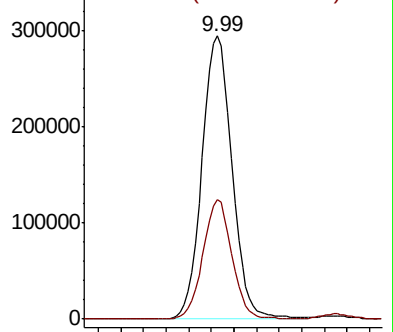
43 100

58 40.8 32.4 48.6

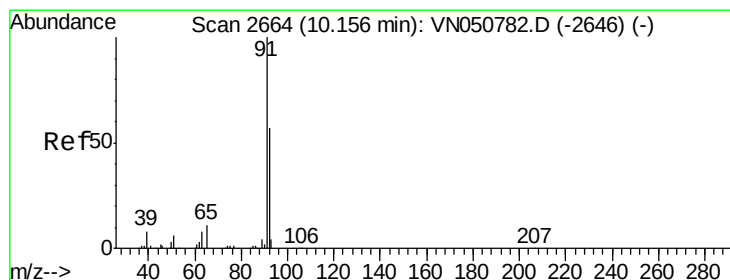
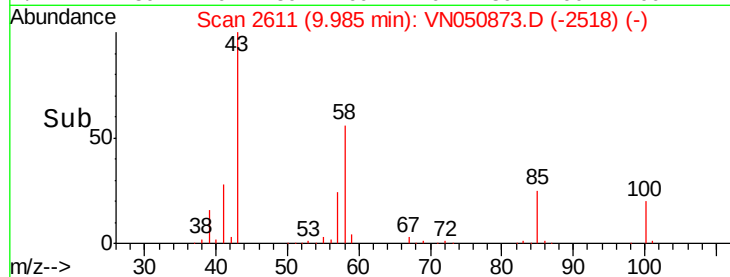


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.78 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050873.D

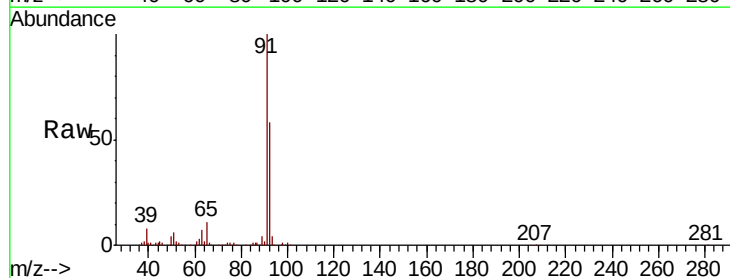
Acq: 24 Aug 2018 13:39

Tgt Ion: 92 Resp: 344097

Ion Ratio Lower Upper

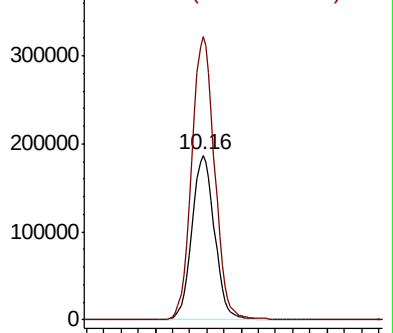
92 100

91 173.4 140.6 211.0

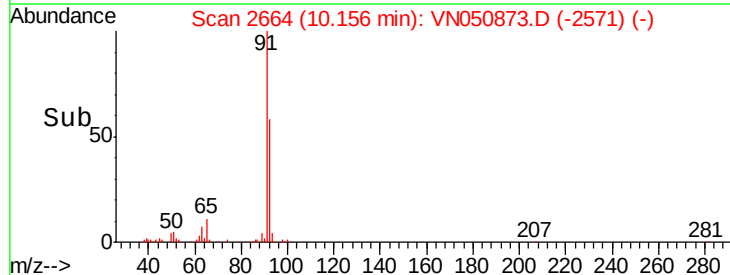


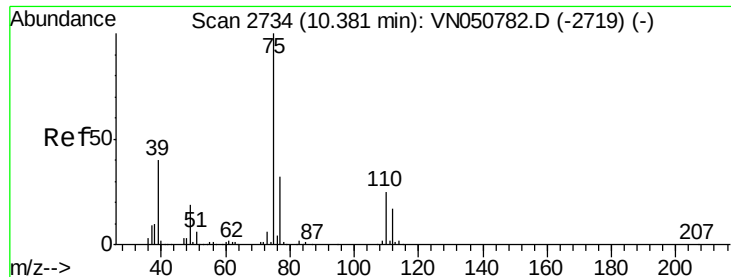
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 20.06 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

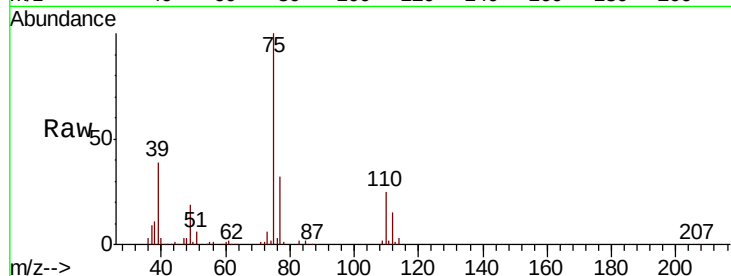
VN0824WBSD02

Tot Ion: 75 Resp: 180526

Ion Ratio Lower Upper

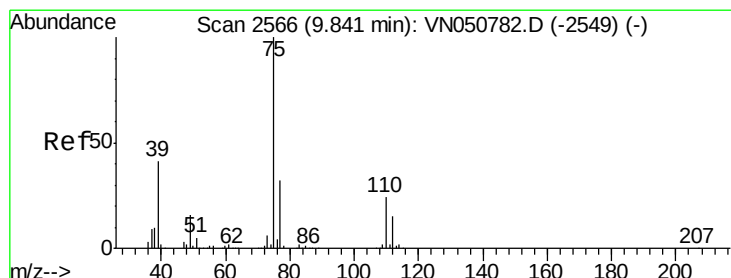
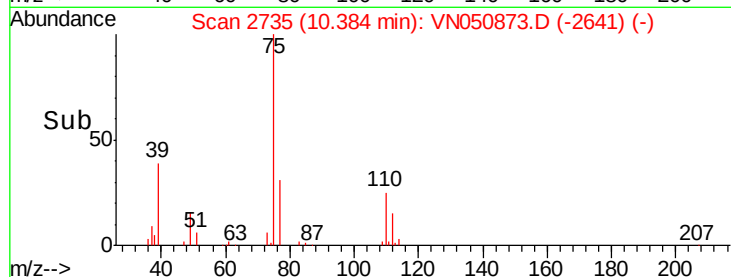
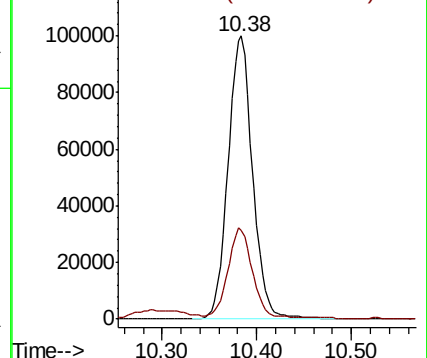
75 100

77 31.2 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.10 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

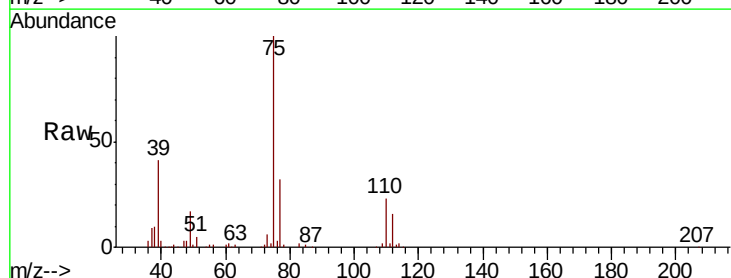
Tgt Ion: 75 Resp: 217346

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

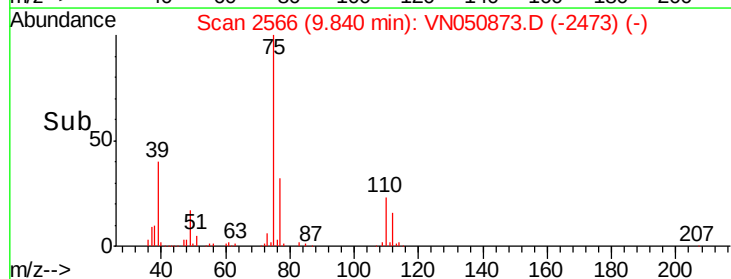
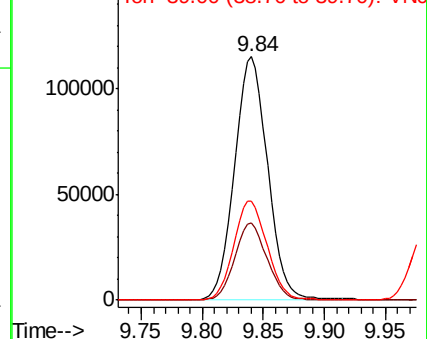
39 40.5 33.0 49.4

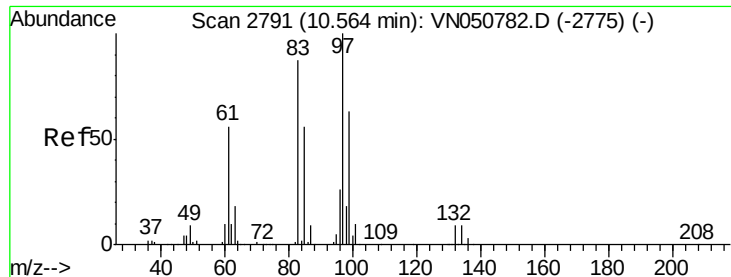


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

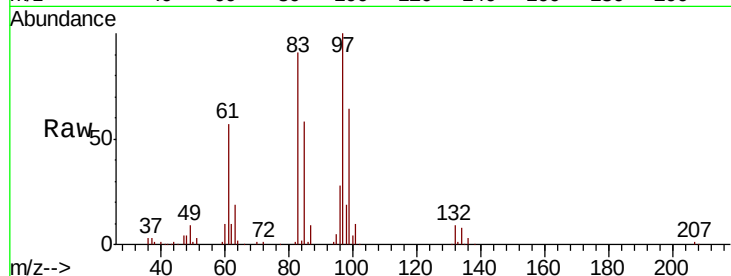




#55
 1,1,2-Trichloroethane
 Concen: 21.05 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tot Ion:	97	Resp:	129339
Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.7	104.5
85	57.9	44.5	66.7
99	63.9	50.7	76.1



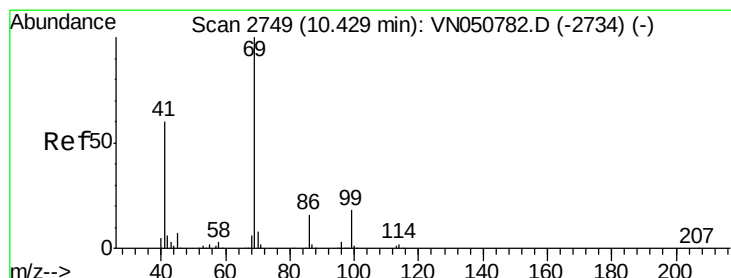
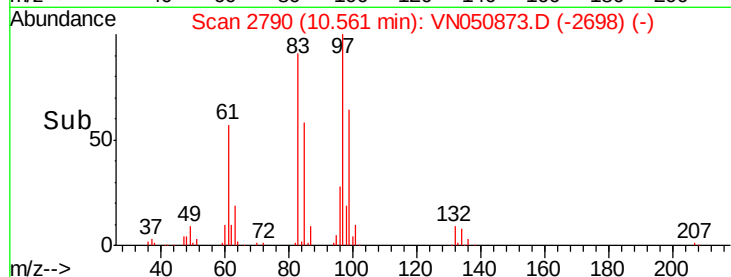
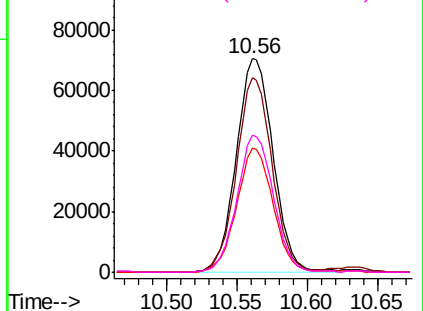
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

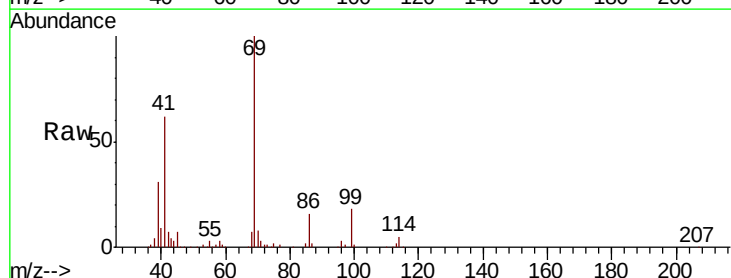
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 19.78 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion:	69	Resp:	146159
Ion	Ratio	Lower	Upper
69	100		
41	60.5	48.3	72.5
39	30.3	24.0	36.0

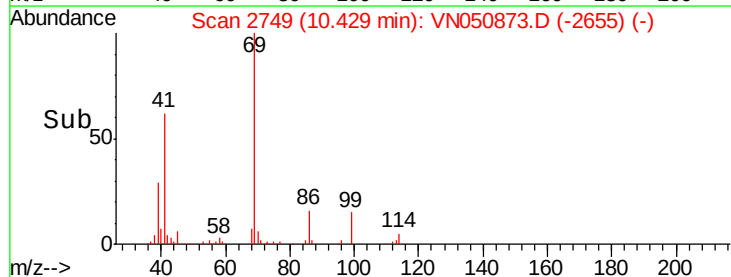
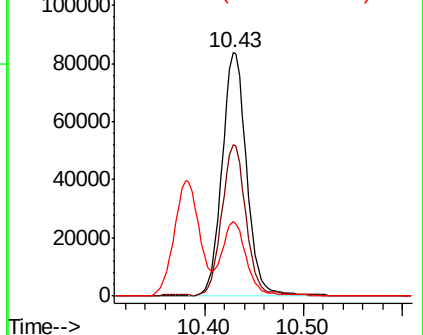


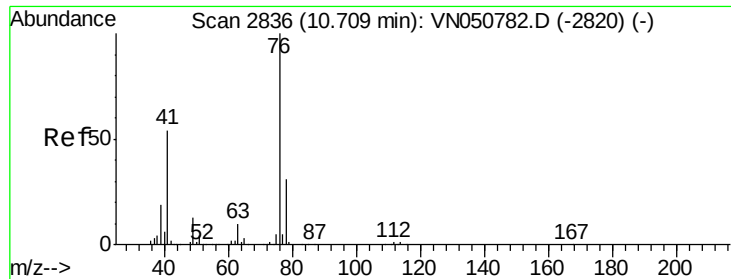
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

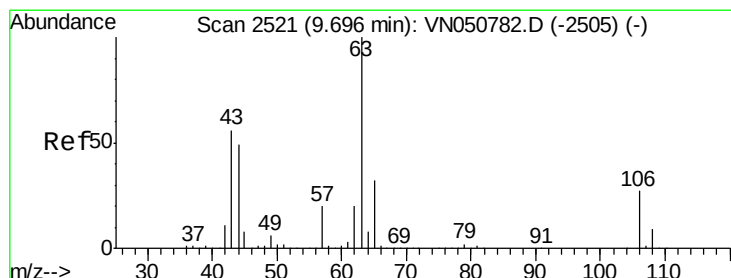
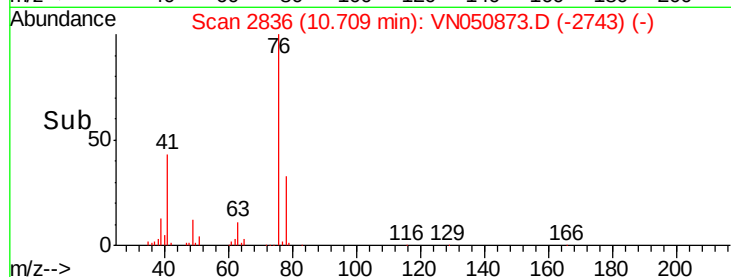
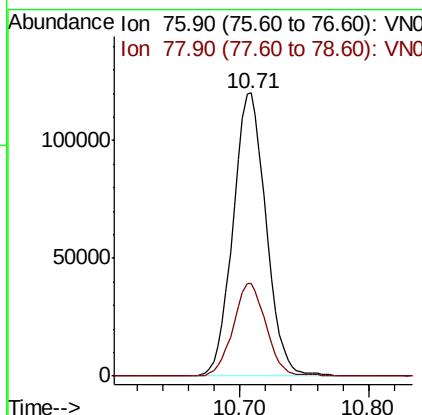
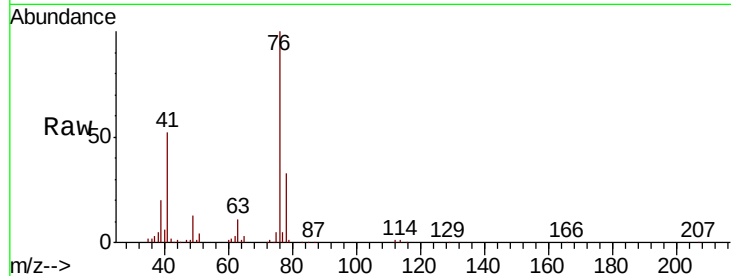




#57
 1,3-Dichloropropane
 Concen: 21.13 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

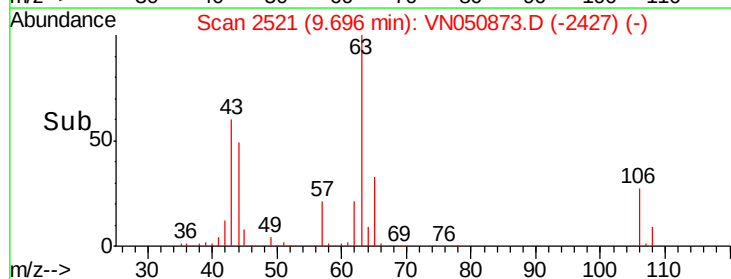
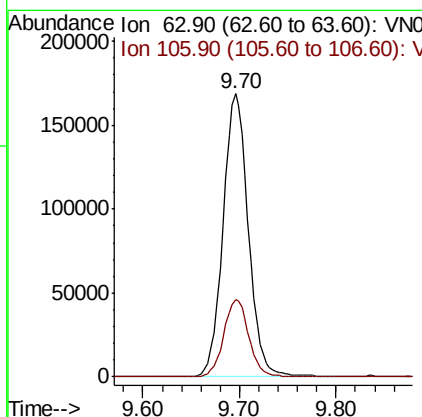
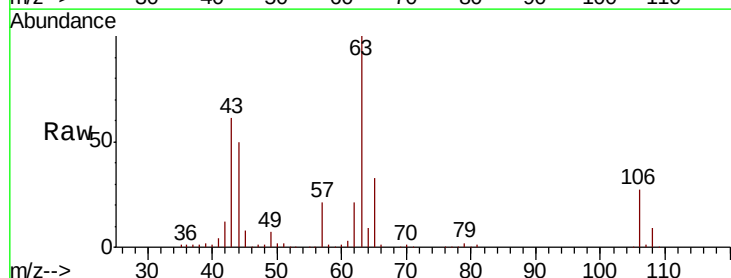
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBSD02

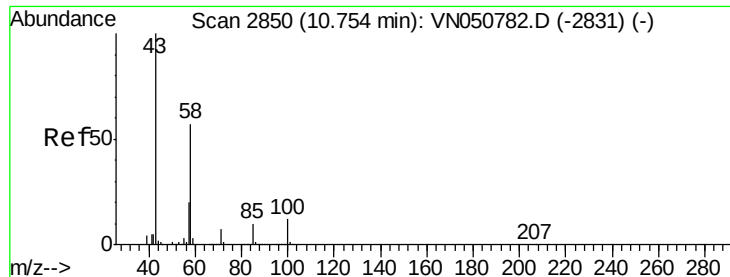
Tot Ion: 76 Resp: 214278
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.58 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 63 Resp: 305694
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.9 32.9

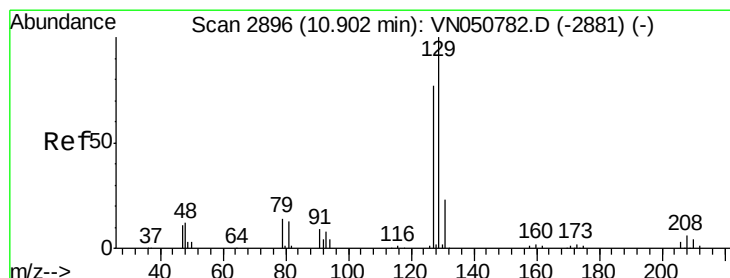
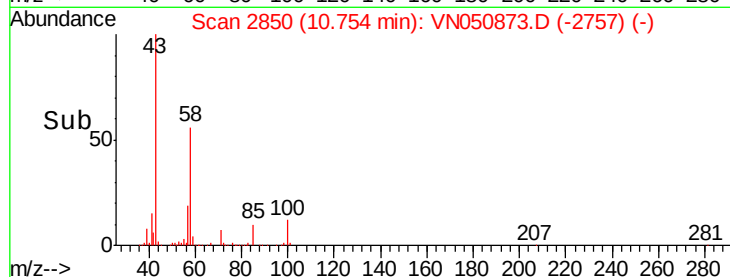
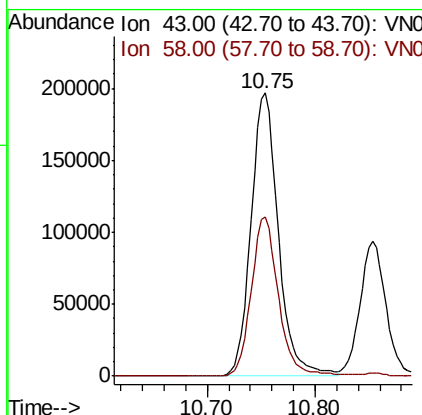
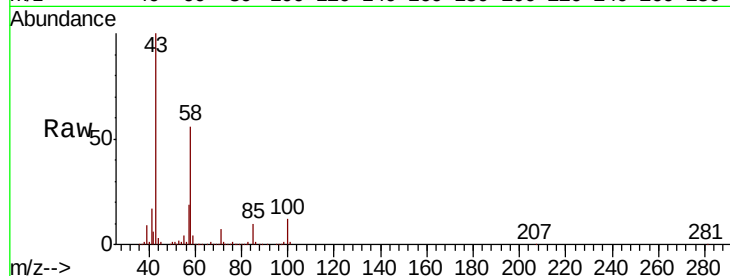




#59
2-Hexanone
Concen: 94.81 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

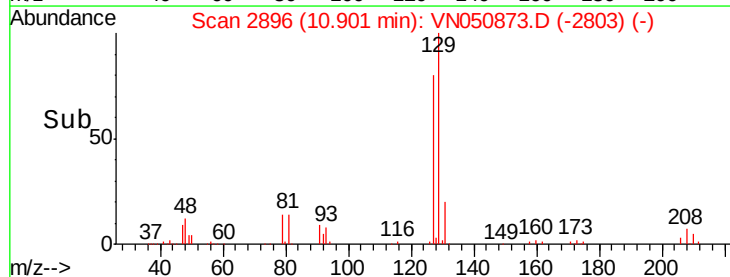
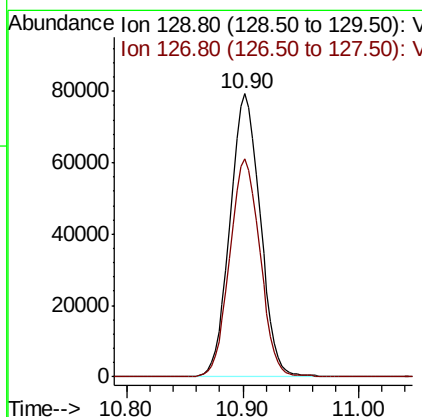
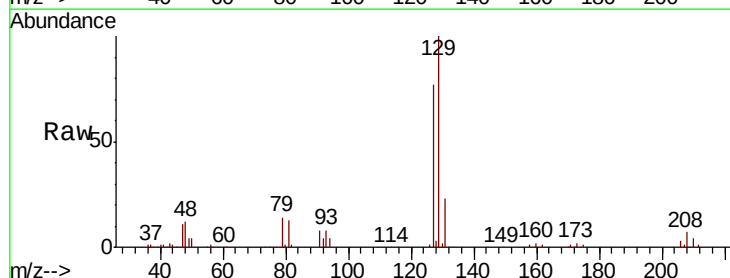
Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD02

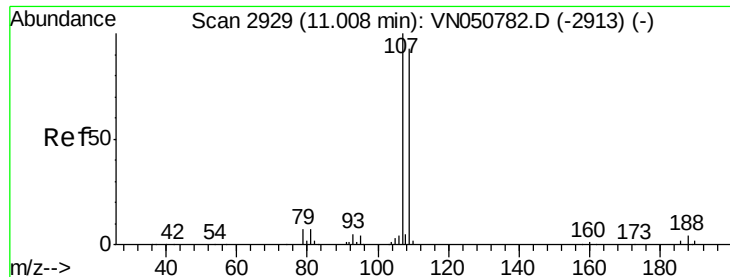
Tot Ion: 43 Resp: 344777
Ion Ratio Lower Upper
43 100
58 56.0 28.3 85.0



#60
Dibromochloromethane
Concen: 20.77 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 129 Resp: 142882
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9

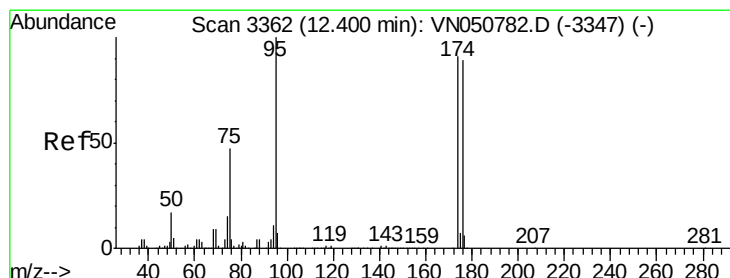
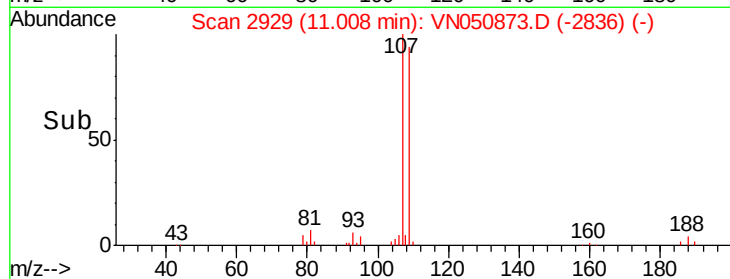
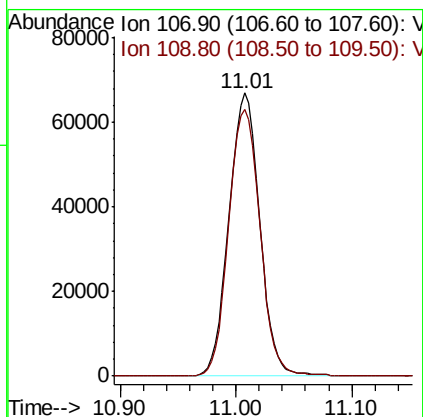
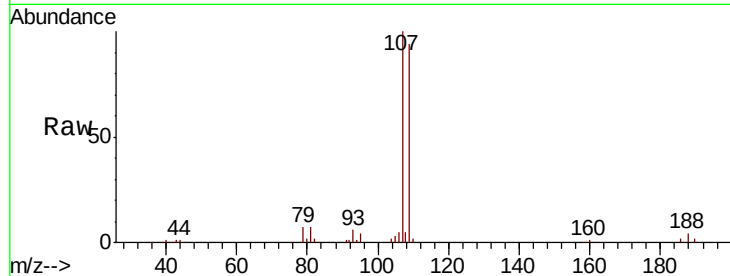




#61
 1,2-Dibromoethane
 Concen: 20.67 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

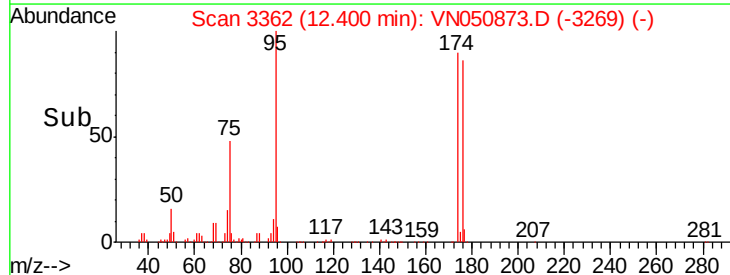
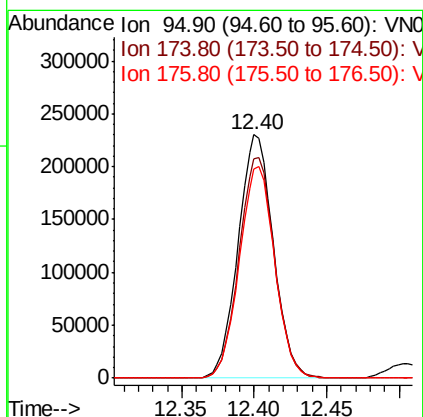
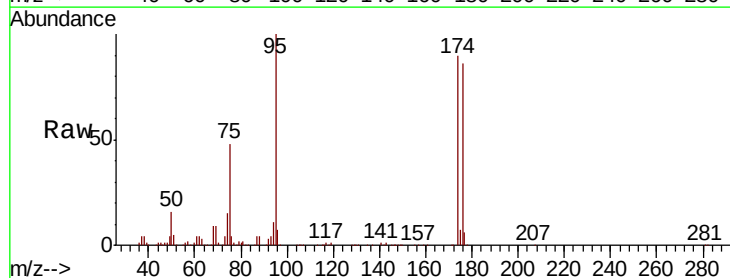
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

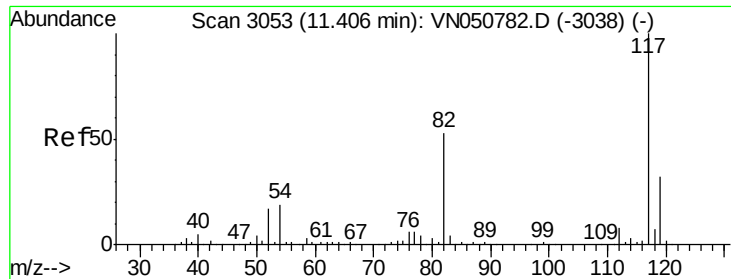
Tot Ion:107 Resp: 122806
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 50.01 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion: 95 Resp: 388223
 Ion Ratio Lower Upper
 95 100
 174 91.4 0.0 183.0
 176 87.5 0.0 178.8

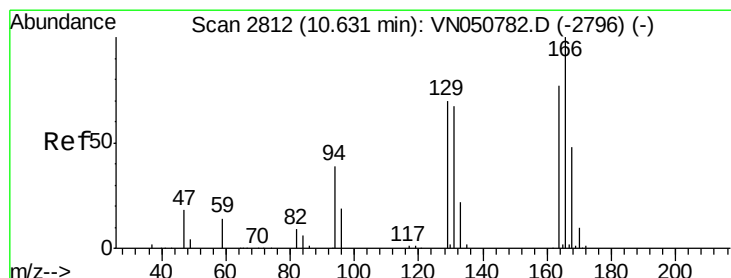
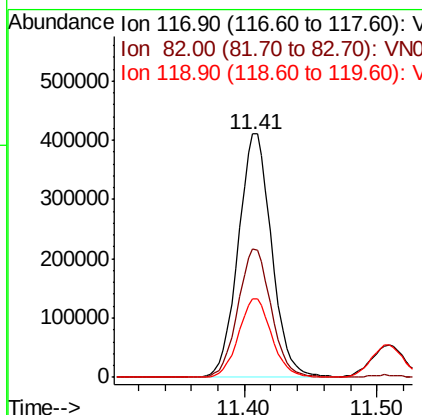
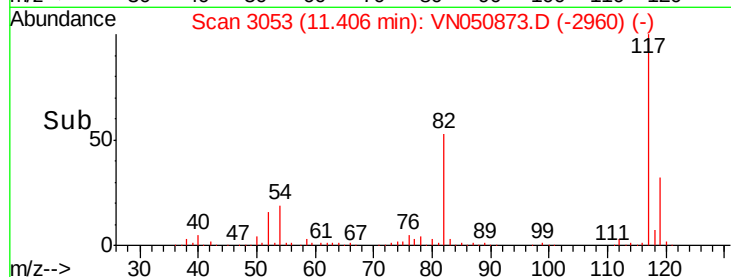
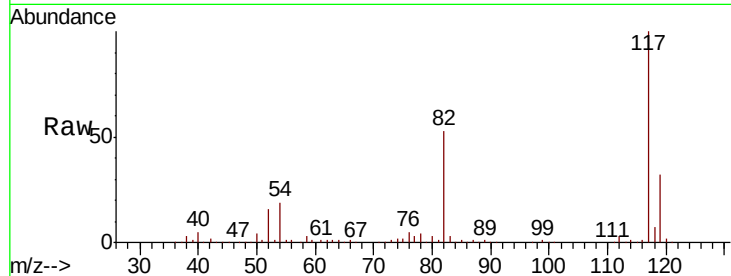




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

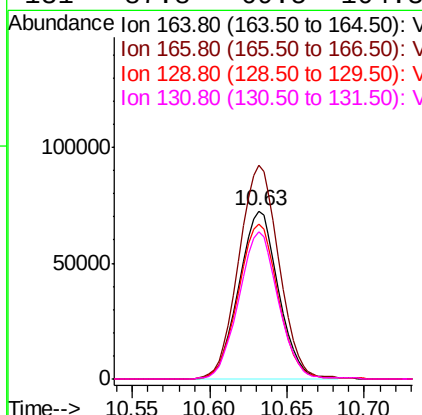
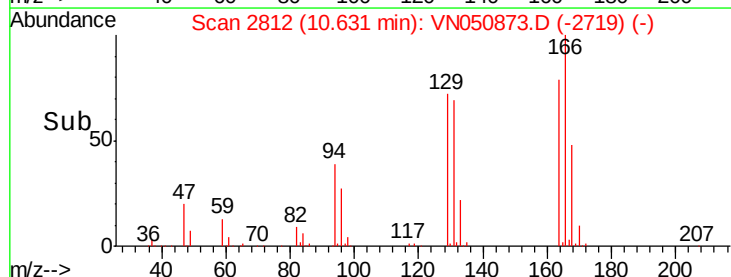
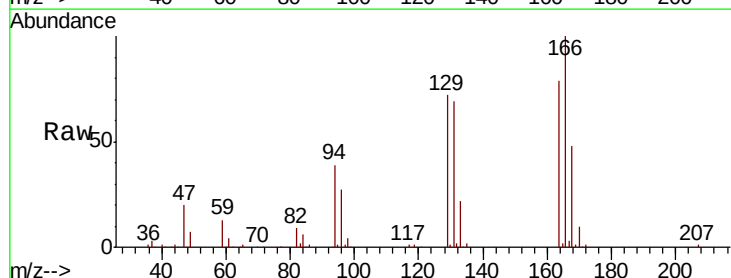
Instrument :
MSVOA_N
ClientSampled :
VN0824WBSD02

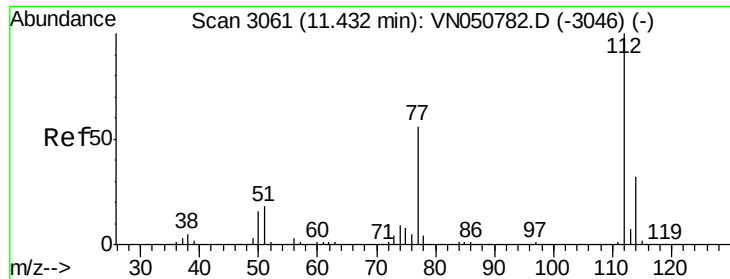
Tot Ion:117 Resp: 716819
Ion Ratio Lower Upper
117 100
82 52.8 42.6 64.0
119 32.1 25.8 38.6



#64
Tetrachloroethene
Concen: 18.96 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion:164 Resp: 129123
Ion Ratio Lower Upper
164 100
166 127.2 103.5 155.3
129 92.0 72.7 109.1
131 87.8 69.5 104.3

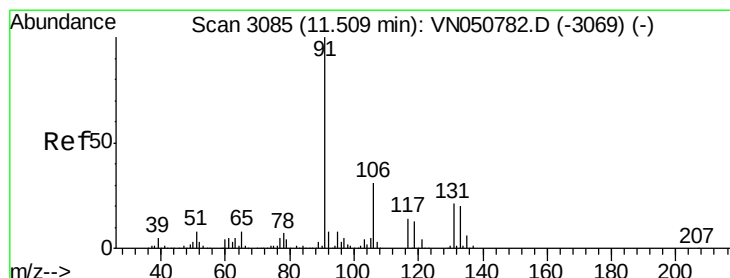
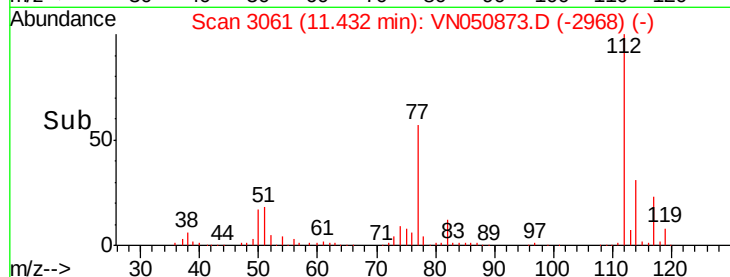
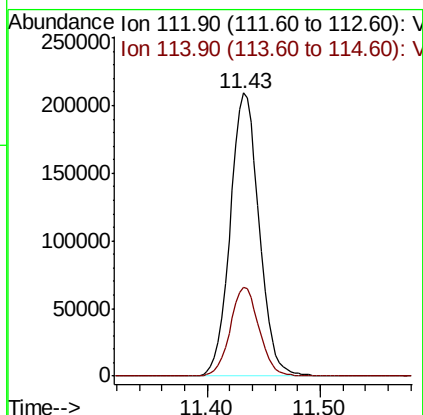
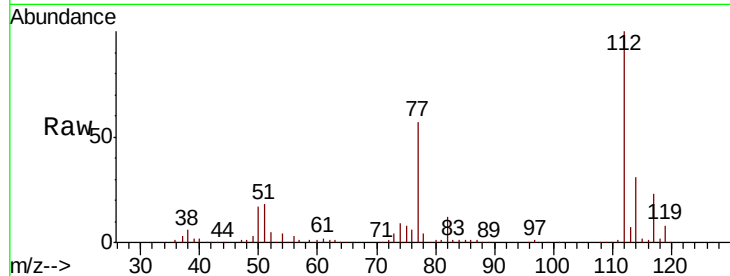




#65
Chlorobenzene
Concen: 19.83 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

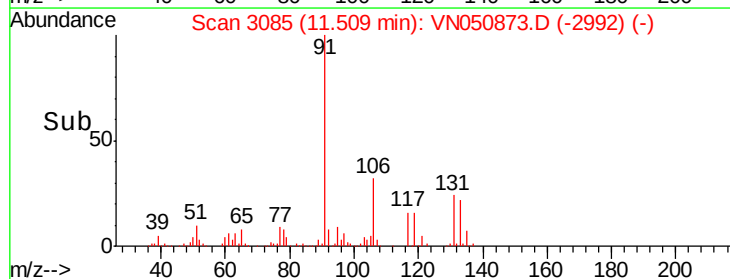
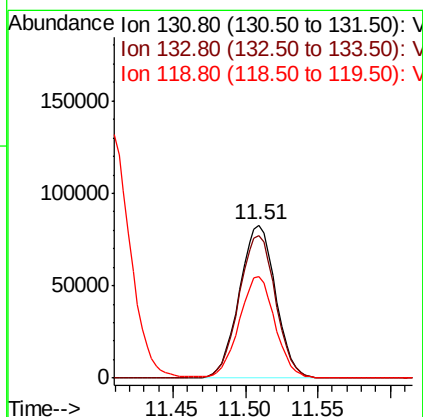
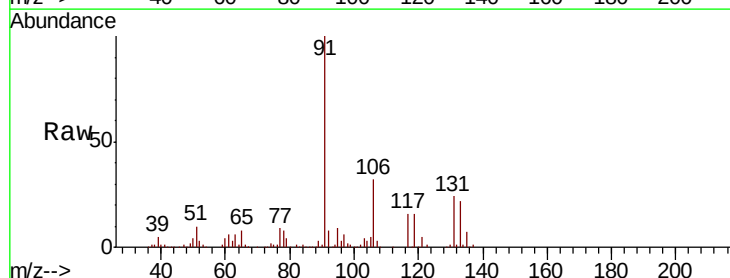
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

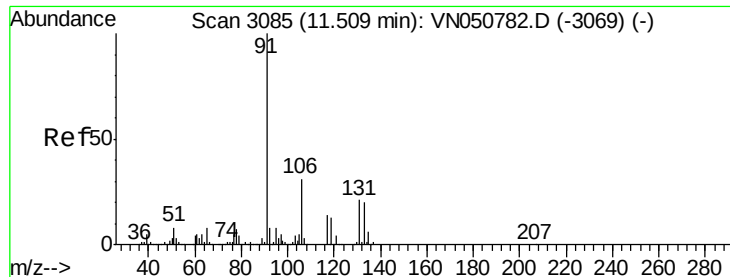
Tot Ion:112 Resp: 371445
Ion Ratio Lower Upper
112 100
114 31.3 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 21.06 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion:131 Resp: 144356
Ion Ratio Lower Upper
131 100
133 94.3 47.4 142.3
119 65.6 32.8 98.4





#67

Ethyl Benzene

Concen: 19.42 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampled :

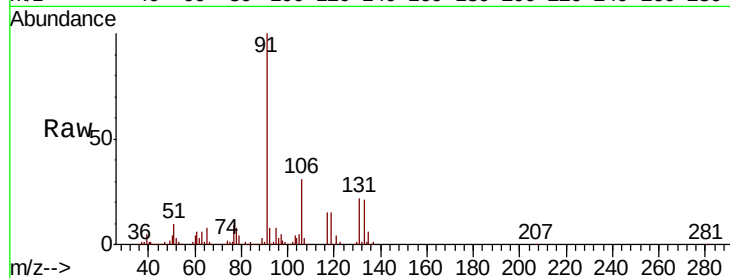
VN0824WBSD02

Tot Ion: 91 Resp: 591561

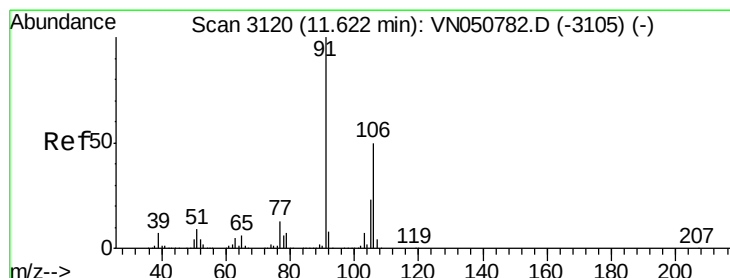
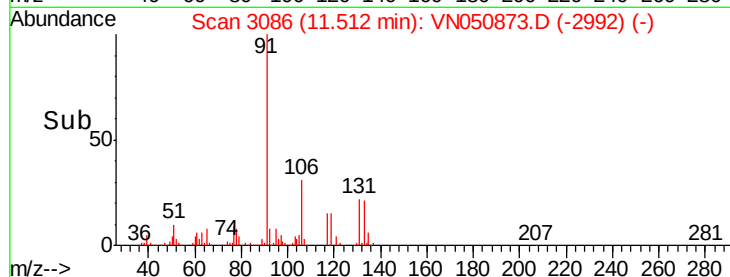
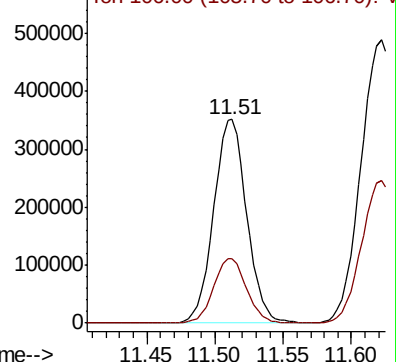
Ion Ratio Lower Upper

91 100

106 31.3 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3069) (-)



#68

m/p-Xylenes

Concen: 40.55 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050873.D

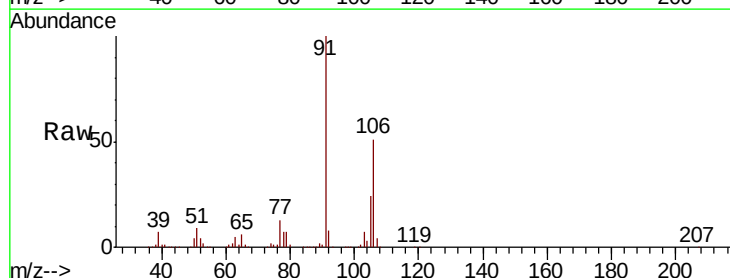
Acq: 24 Aug 2018 13:39

Tgt Ion: 106 Resp: 468847

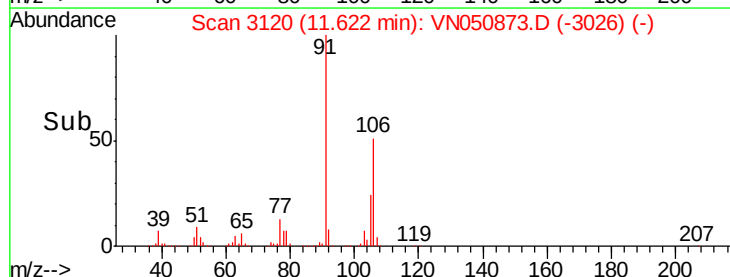
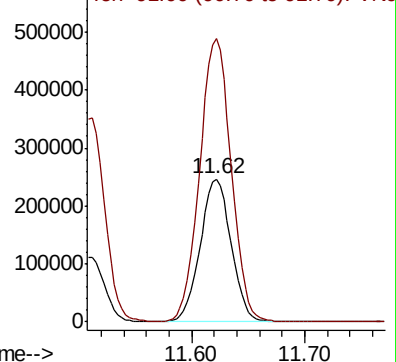
Ion Ratio Lower Upper

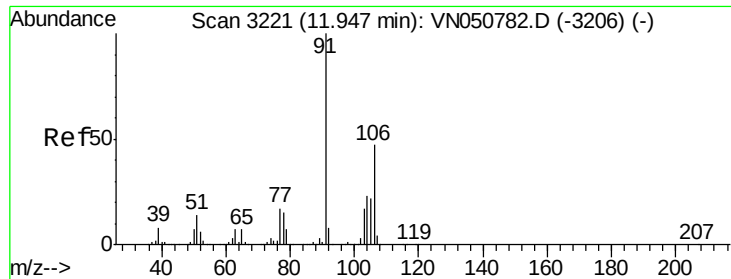
106 100

91 201.5 161.0 241.6



Abundance Ion 106.00 (105.70 to 106.70): VN050782.D (-3105) (-)

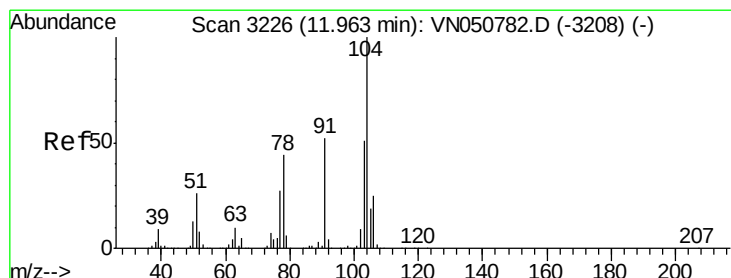
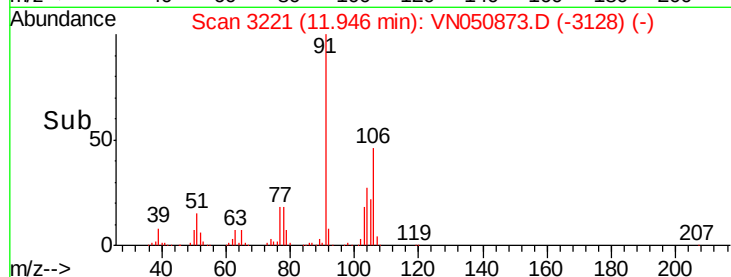
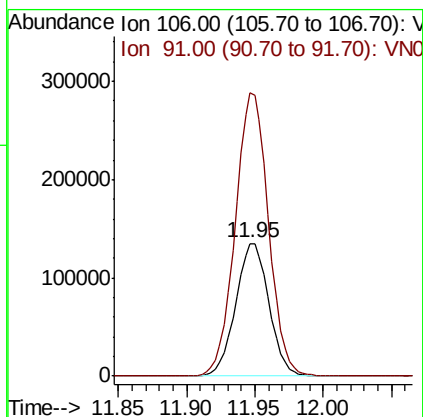
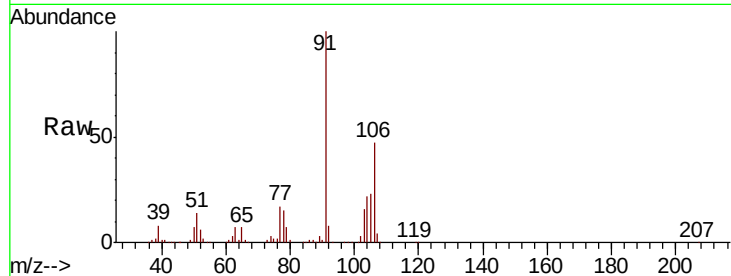




#69
o-Xylene
Concen: 20.50 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

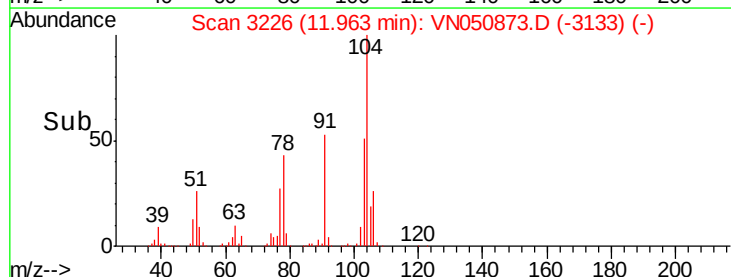
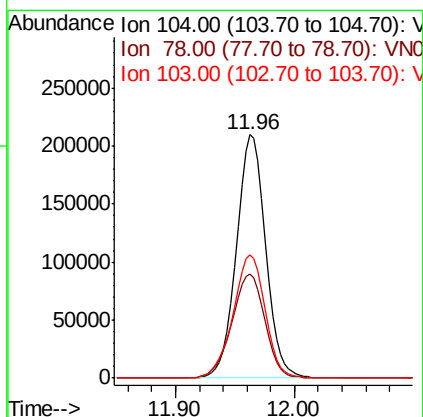
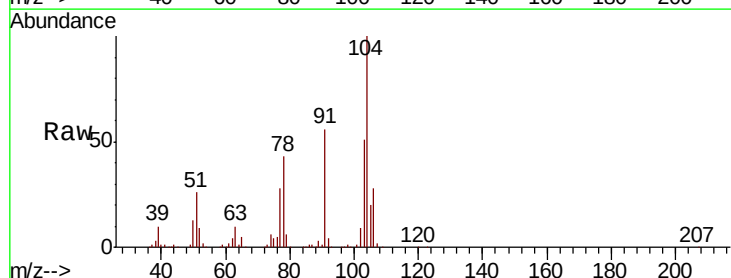
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

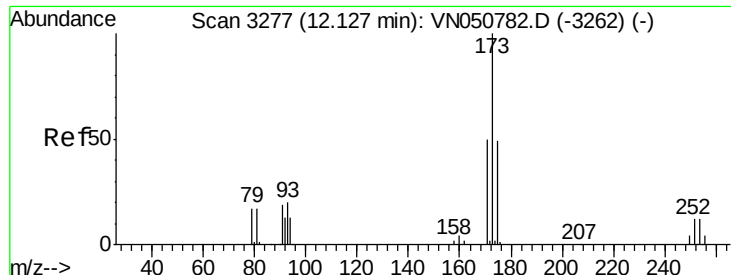
Tot Ion:106 Resp: 227903
Ion Ratio Lower Upper
106 100
91 213.2 106.5 319.5



#70
Styrene
Concen: 19.01 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion:104 Resp: 356613
Ion Ratio Lower Upper
104 100
78 48.6 38.2 57.4
103 55.6 44.4 66.6

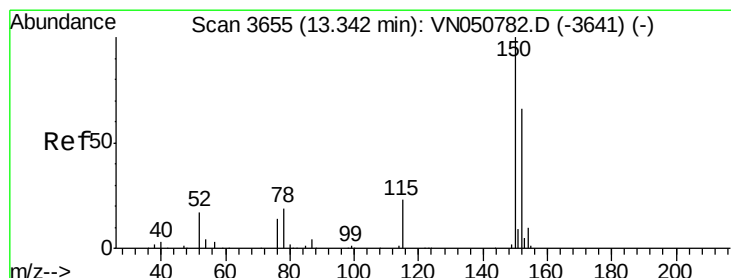
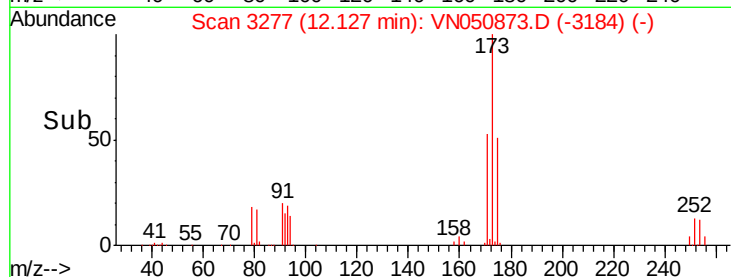
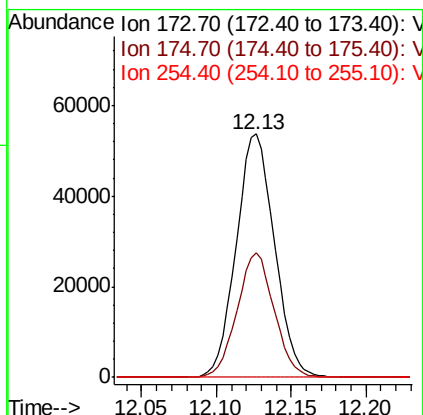
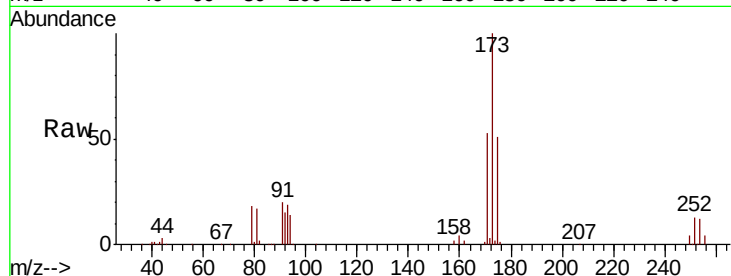




#71
Bromoform
Concen: 20.27 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

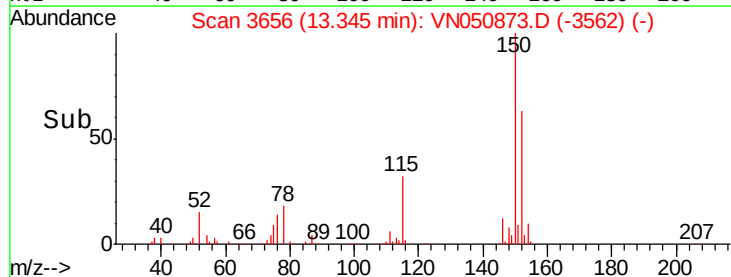
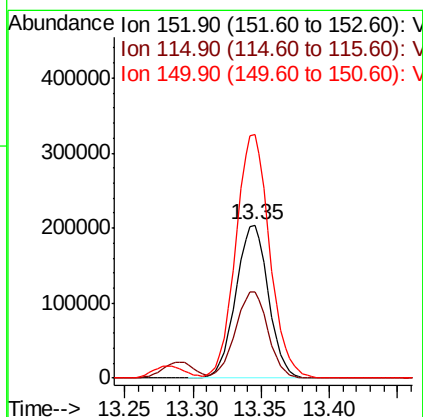
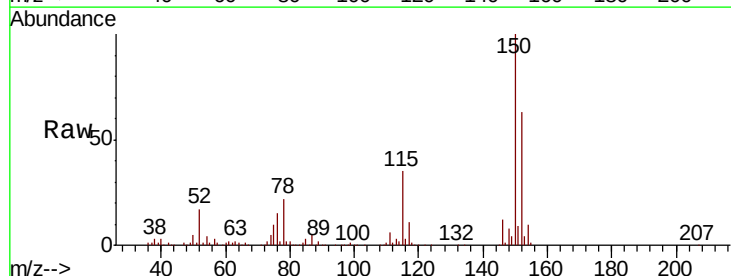
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

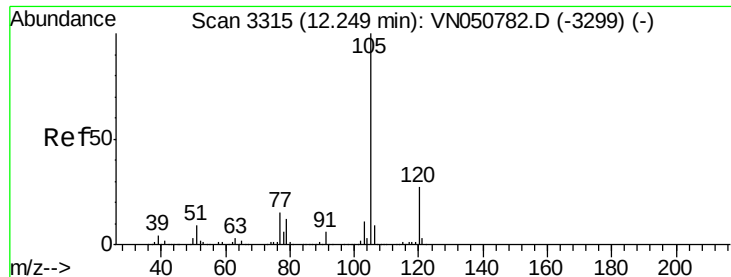
Tot Ion:173 Resp: 95556
Ion Ratio Lower Upper
173 100
175 49.5 24.4 73.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion:152 Resp: 337830
Ion Ratio Lower Upper
152 100
115 56.5 27.8 83.4
150 165.7 0.0 351.4





#73

Isopropylbenzene

Concen: 20.70 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

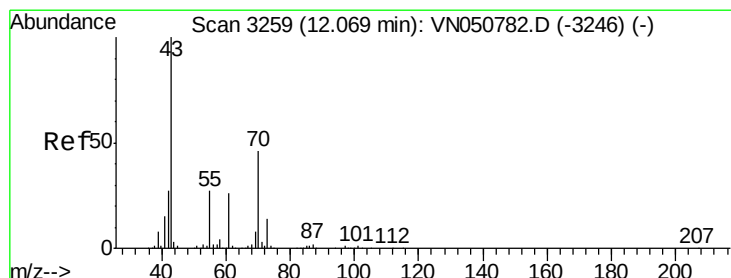
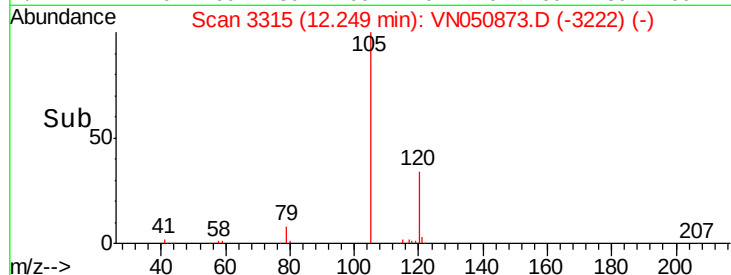
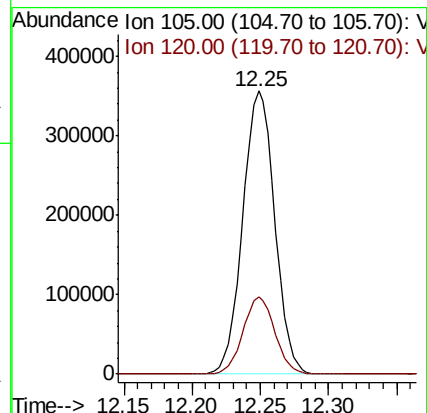
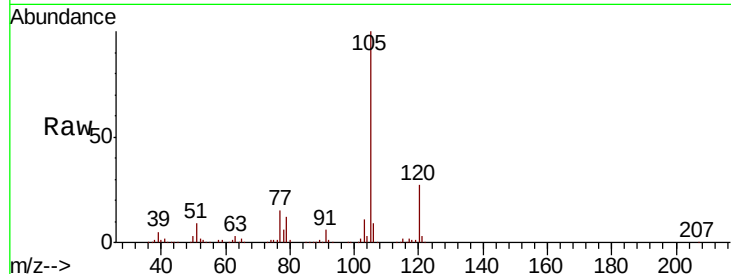
VN0824WBSD02

Tot Ion:105 Resp: 579062

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 20.75 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Tgt Ion: 43 Resp: 145819

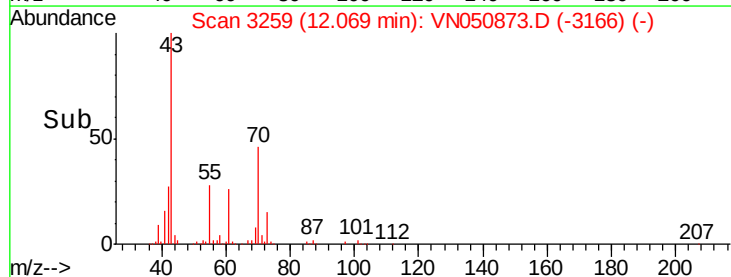
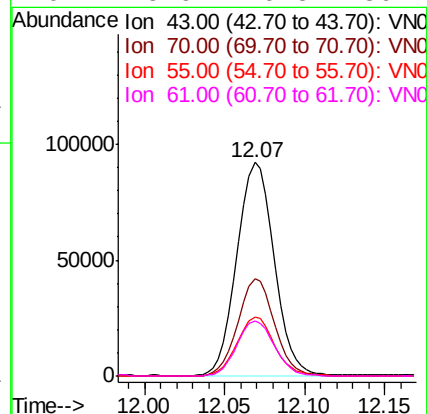
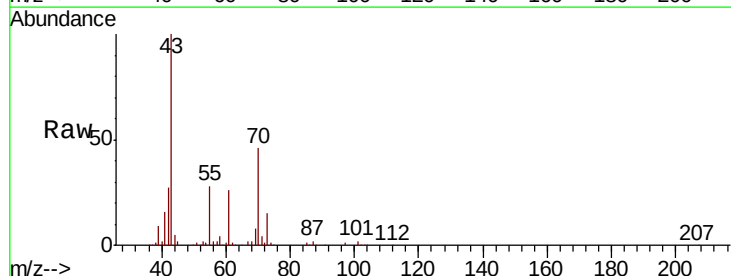
Ion Ratio Lower Upper

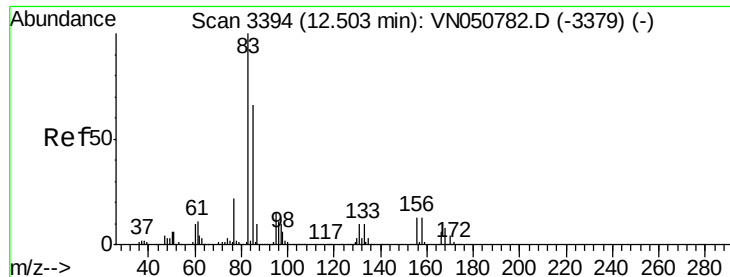
43 100

70 45.0 36.2 54.2

55 28.0 21.8 32.8

61 25.9 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.94 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

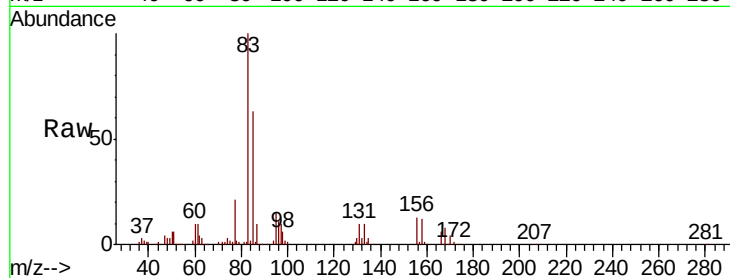
Tot Ion: 83 Resp: 158903

Ion Ratio Lower Upper

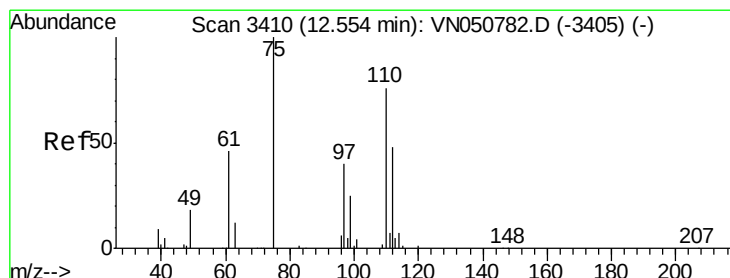
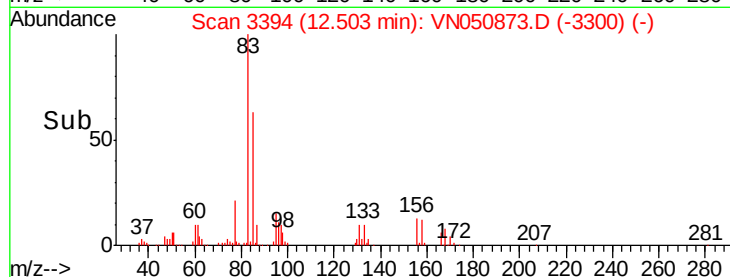
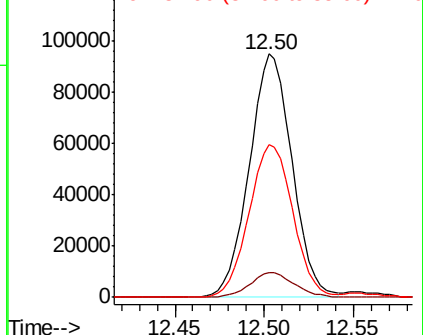
83 100

131 10.5 5.3 15.9

85 64.4 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.25 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050873.D

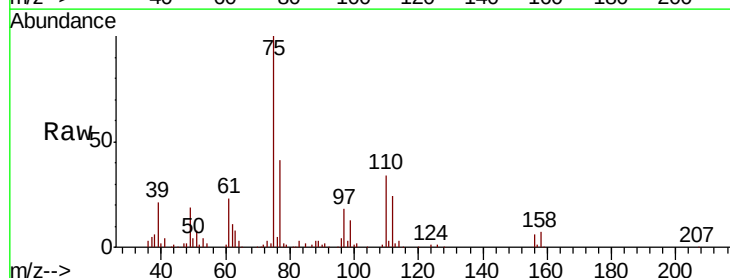
Acq: 24 Aug 2018 13:39

Tgt Ion: 75 Resp: 178978

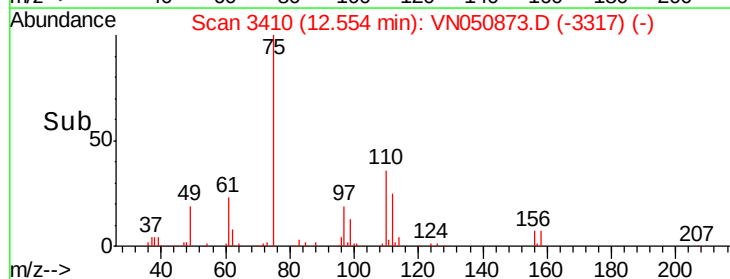
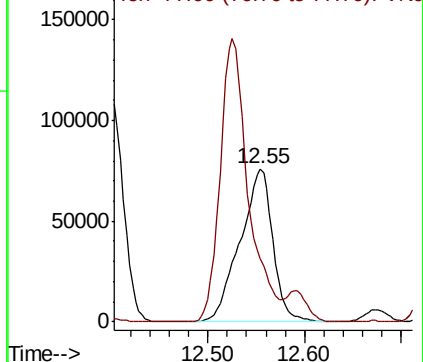
Ion Ratio Lower Upper

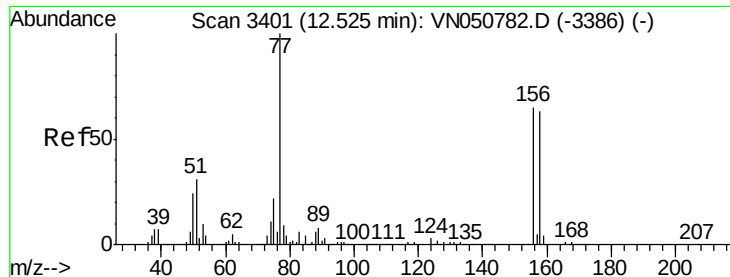
75 100

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: 20.72 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

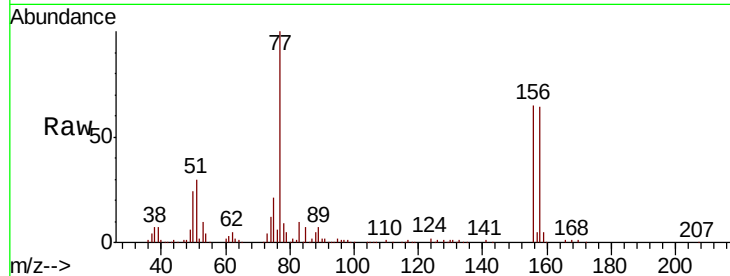
Tot Ion:156 Resp: 157524

Ion Ratio Lower Upper

156 100

77 181.1 89.9 269.7

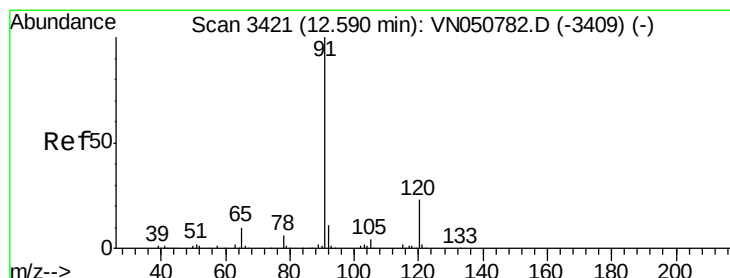
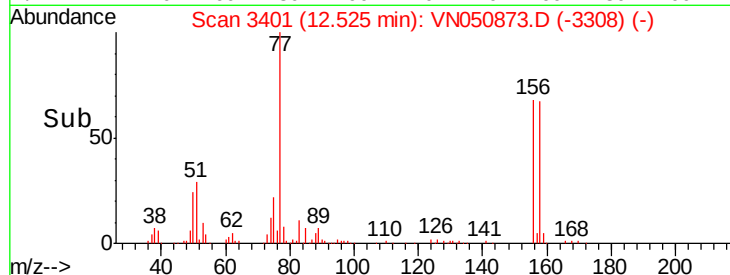
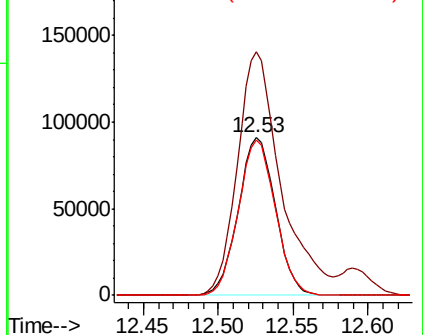
158 98.2 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.62 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050873.D

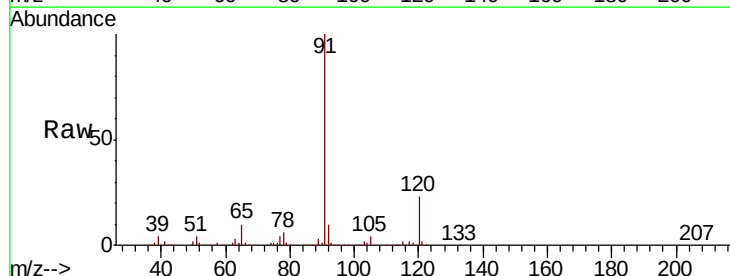
Acq: 24 Aug 2018 13:39

Tgt Ion: 91 Resp: 644493

Ion Ratio Lower Upper

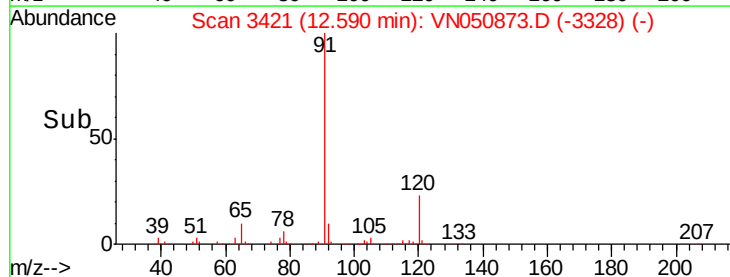
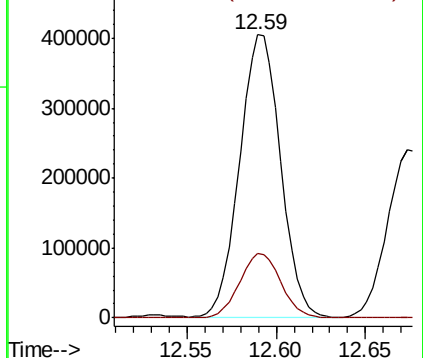
91 100

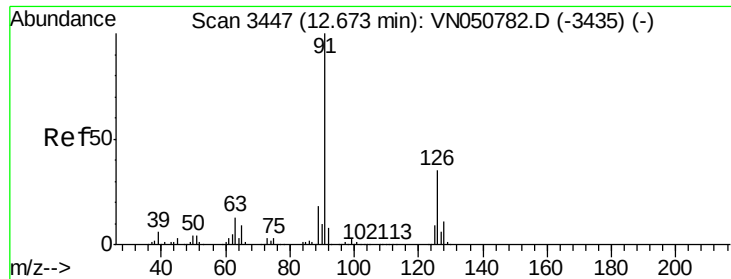
120 23.1 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.65 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

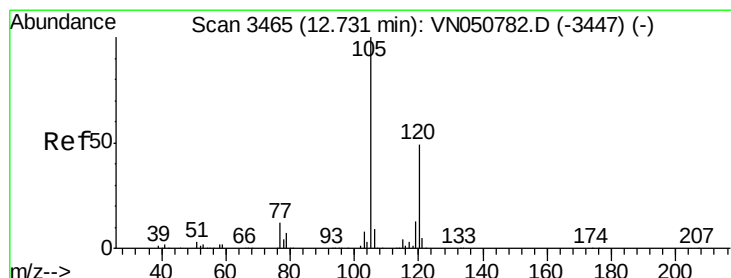
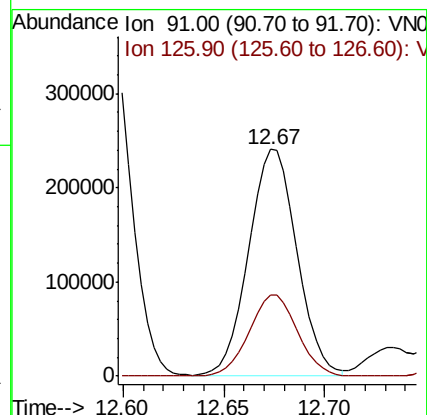
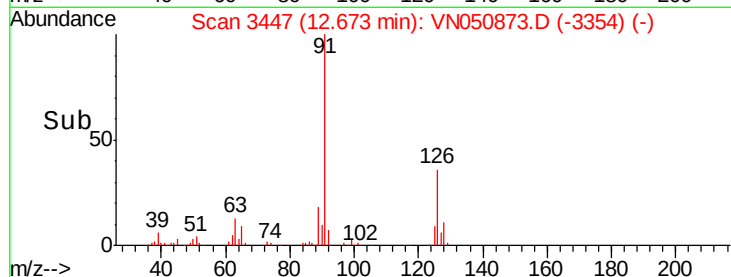
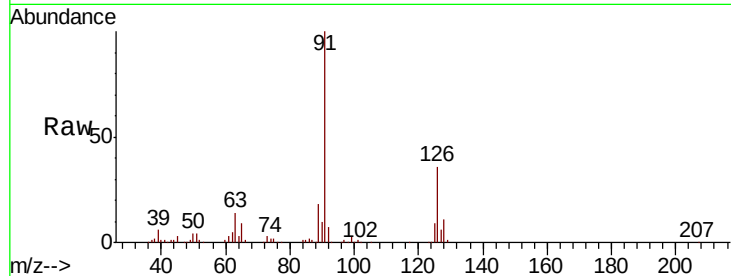
VN0824WBSD02

Tot Ion: 91 Resp: 402004

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.43 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050873.D

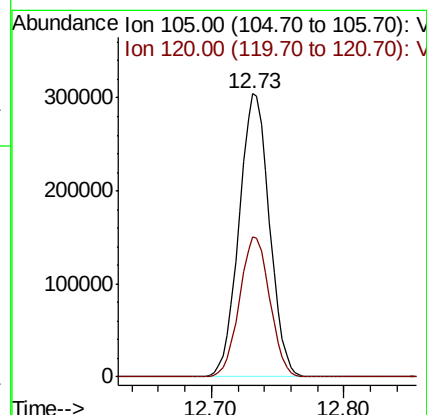
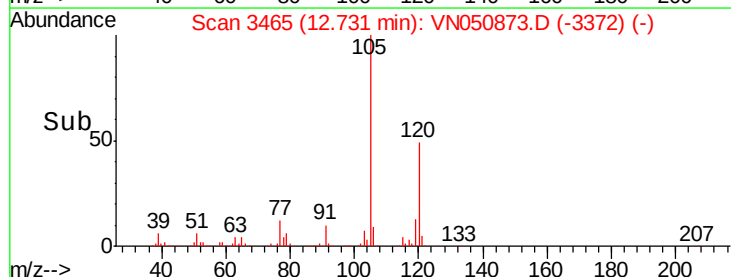
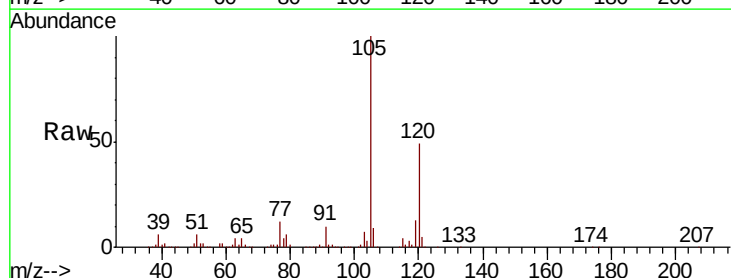
Acq: 24 Aug 2018 13:39

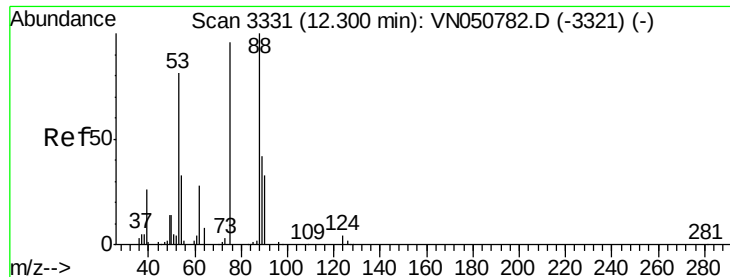
Tgt Ion: 105 Resp: 483679

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.56 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

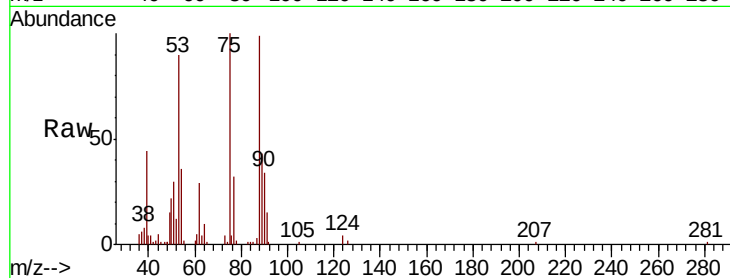
Tot Ion: 75 Resp: 35990

Ion Ratio Lower Upper

75 100

53 91.8 68.9 103.3

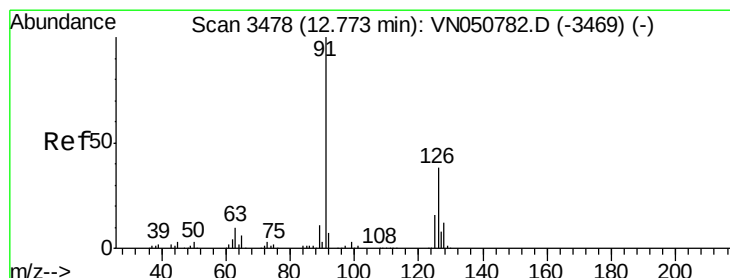
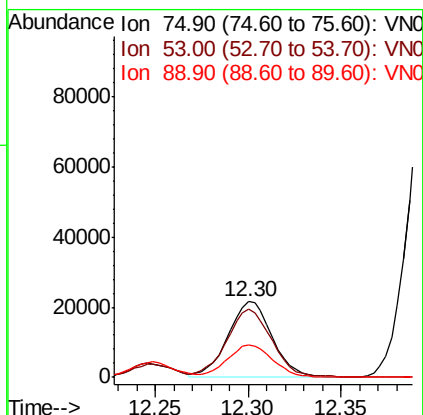
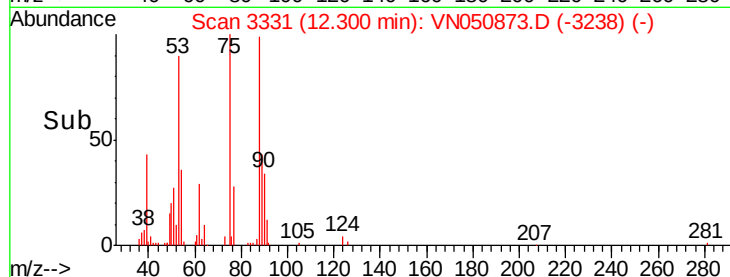
89 43.7 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.91 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050873.D

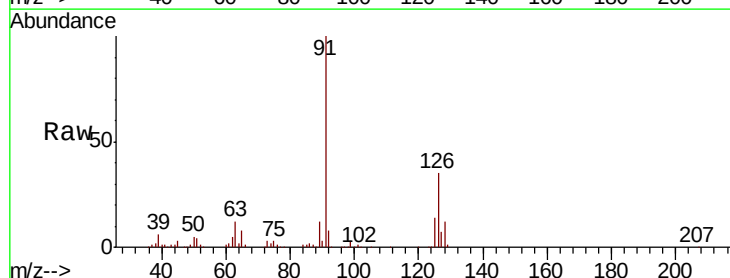
Acq: 24 Aug 2018 13:39

Tgt Ion: 91 Resp: 401889

Ion Ratio Lower Upper

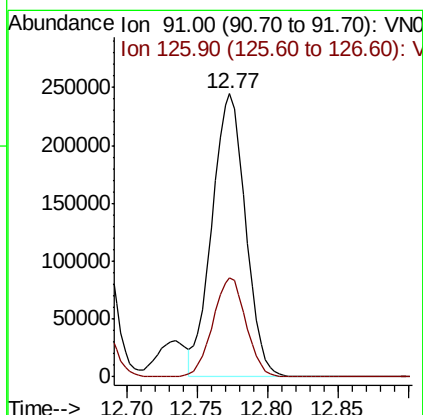
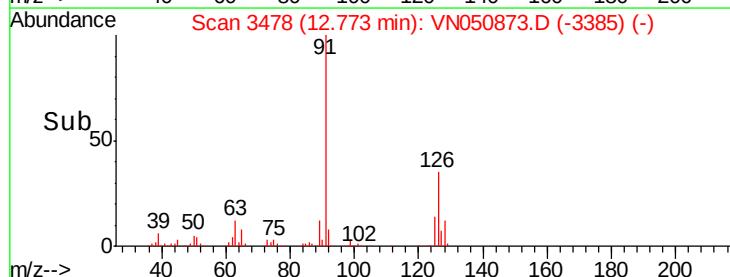
91 100

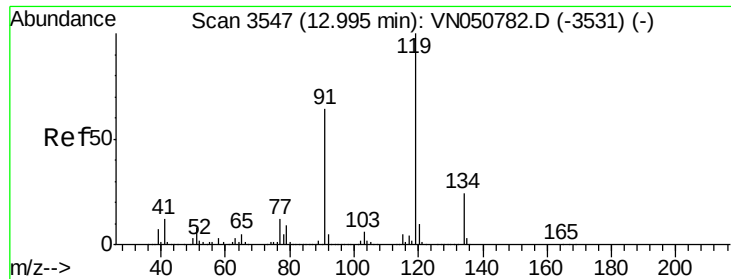
126 34.6 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

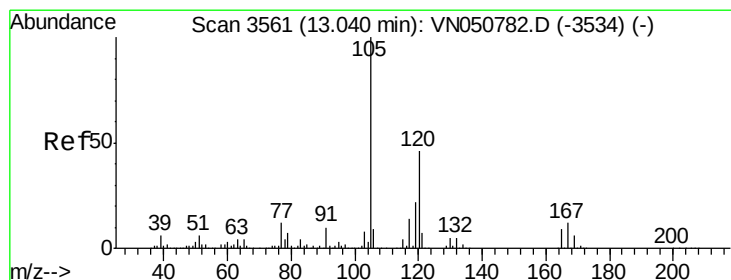
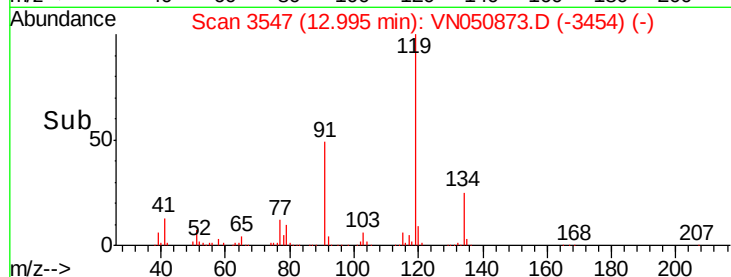
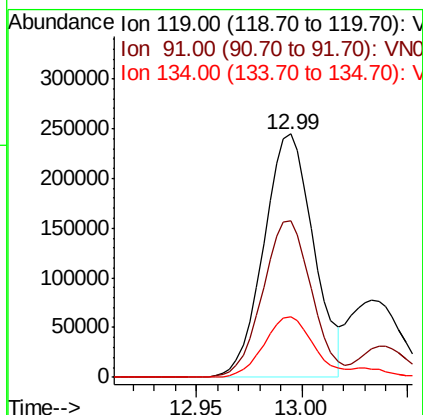
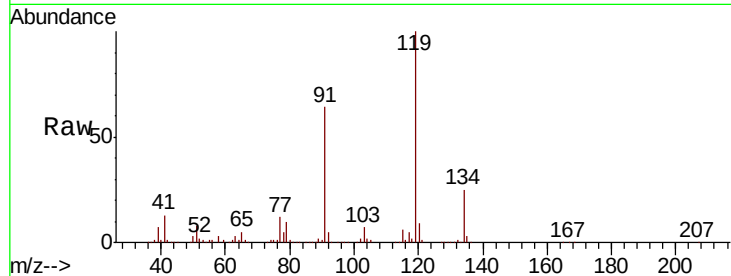




#83
 tert-Butylbenzene
 Concen: 20.60 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

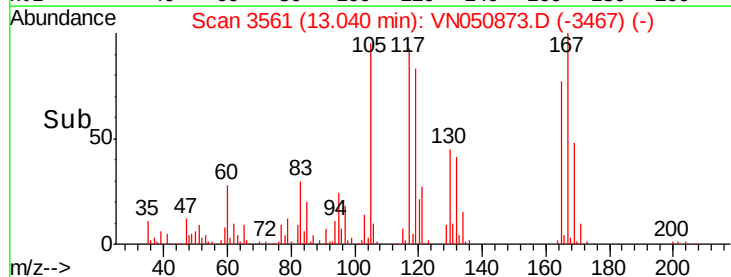
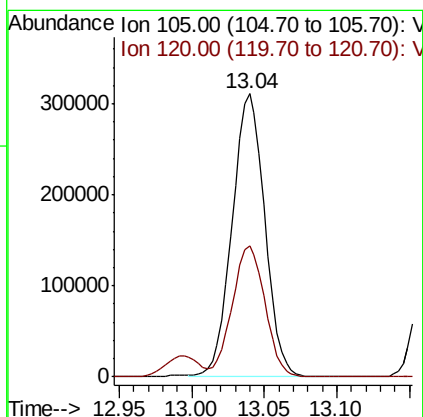
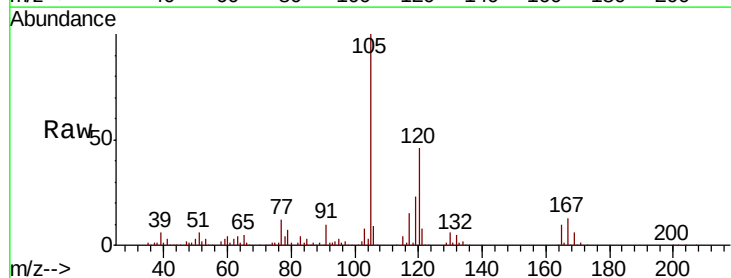
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

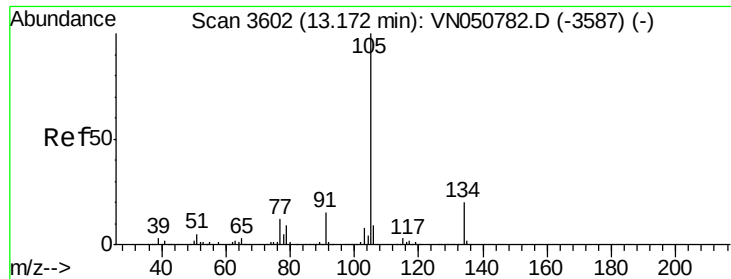
Tot Ion:119 Resp: 402653
 Ion Ratio Lower Upper
 119 100
 91 63.0 31.6 94.7
 134 24.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.31 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion:105 Resp: 483808
 Ion Ratio Lower Upper
 105 100
 120 46.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 20.54 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

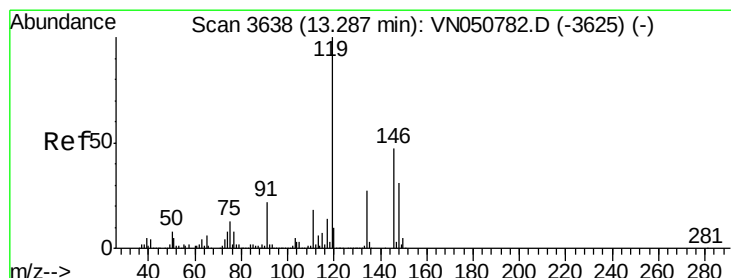
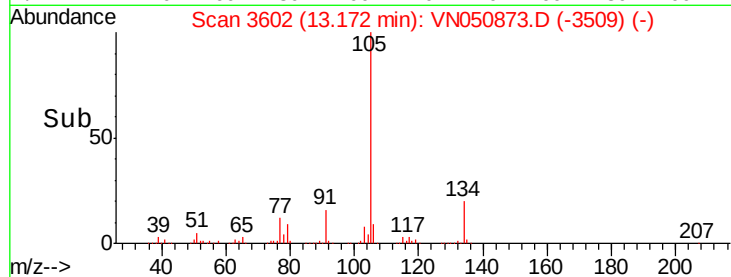
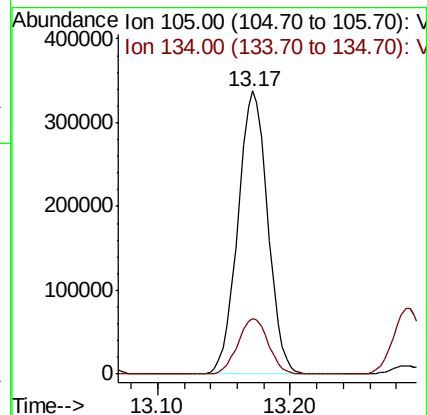
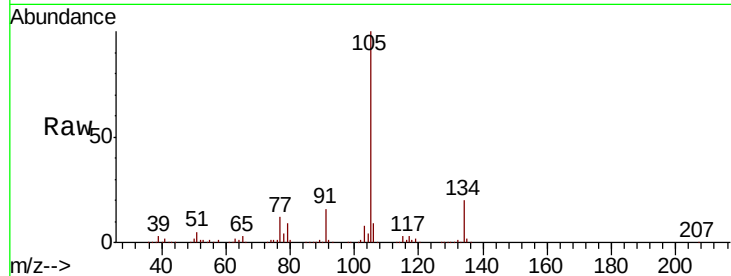
VN0824WBSD02

Tot Ion:105 Resp: 526209

Ion Ratio Lower Upper

105 100

134 20.1 10.3 30.8



#86

p-Isopropyltoluene

Concen: 20.97 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

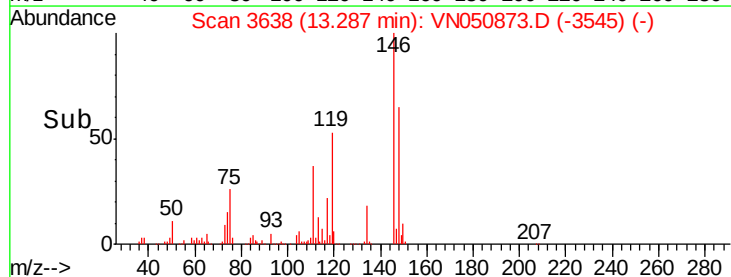
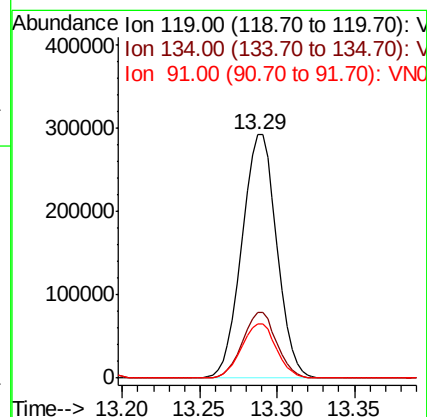
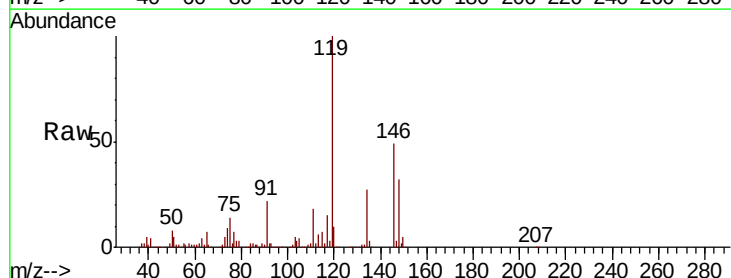
Tgt Ion:119 Resp: 457604

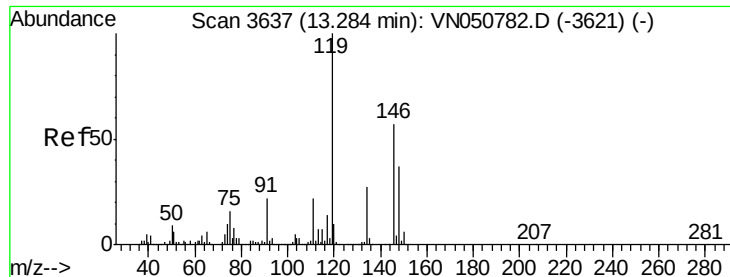
Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.11 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

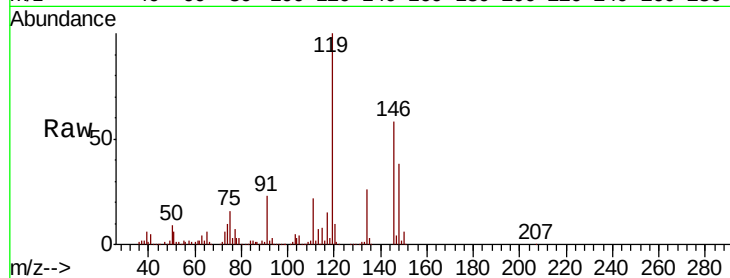
Tot Ion:146 Resp: 259432

Ion Ratio Lower Upper

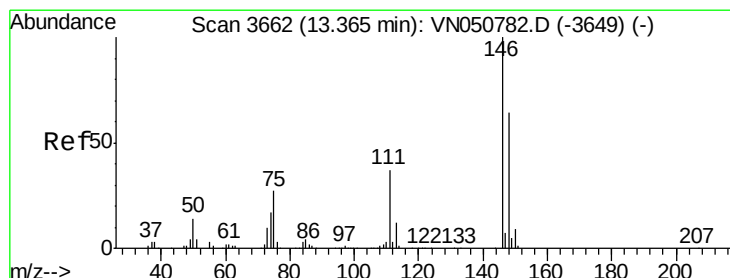
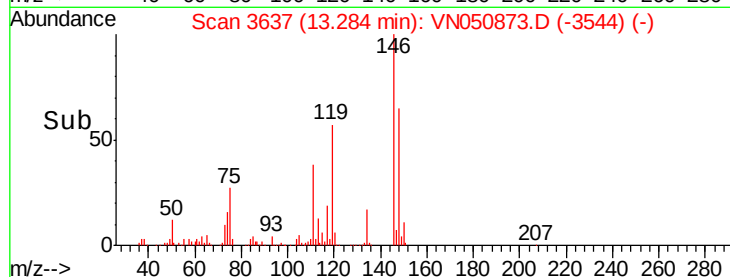
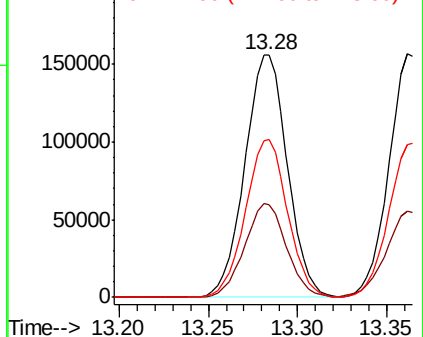
146 100

111 38.1 19.1 57.3

148 64.5 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 19.98 ug/l

RT: 13.36 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

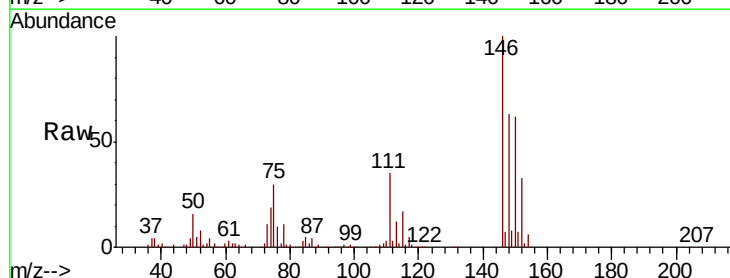
Tgt Ion:146 Resp: 253647

Ion Ratio Lower Upper

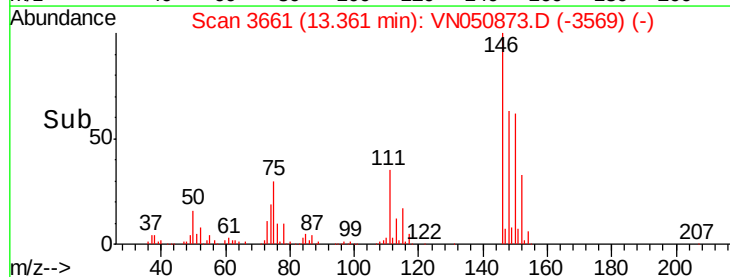
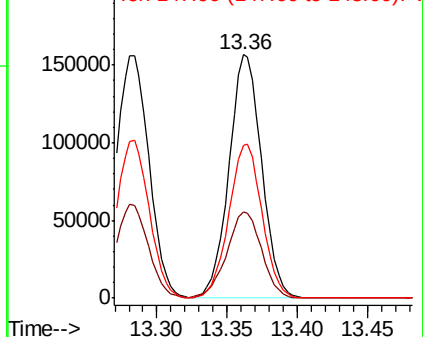
146 100

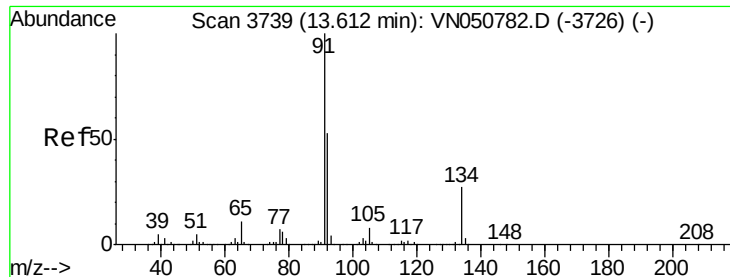
111 37.6 18.8 56.3

148 64.4 32.2 96.6



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

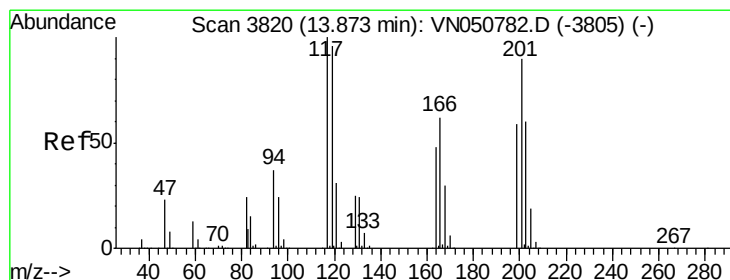
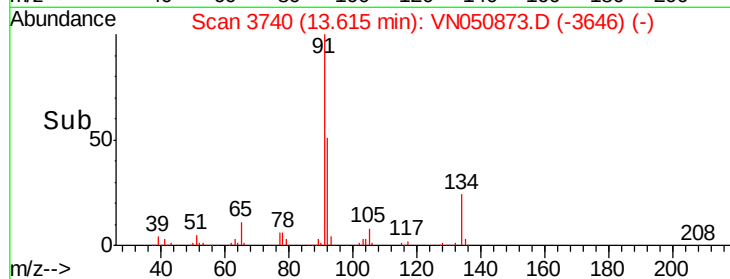
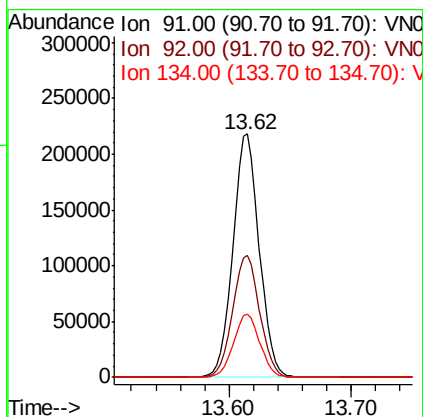
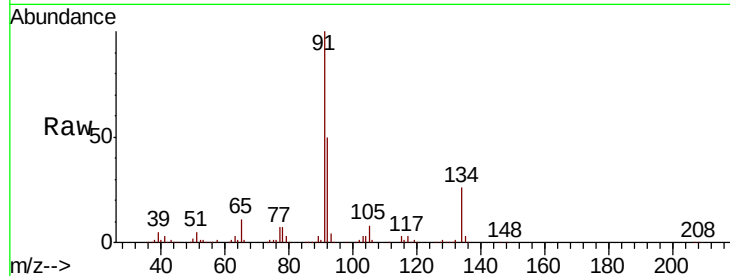




#89
n-Butylbenzene
Concen: 18.70 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

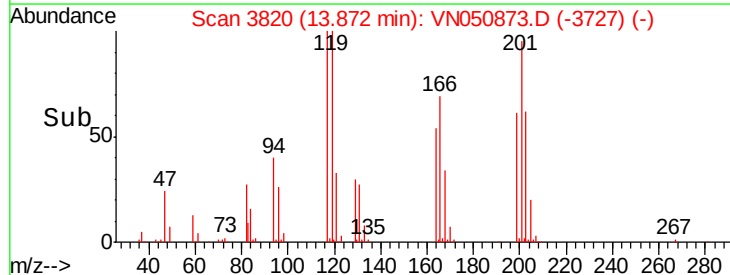
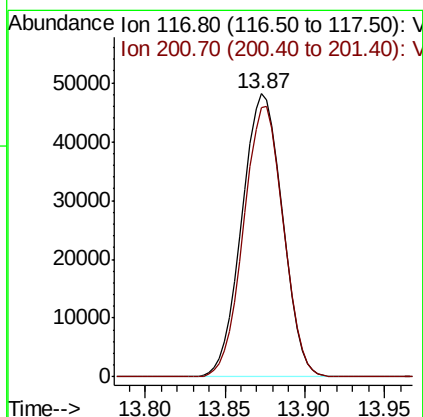
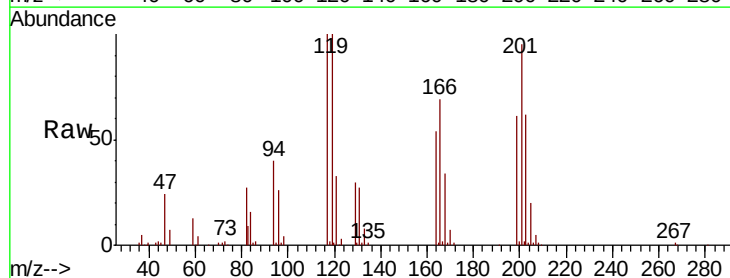
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD02

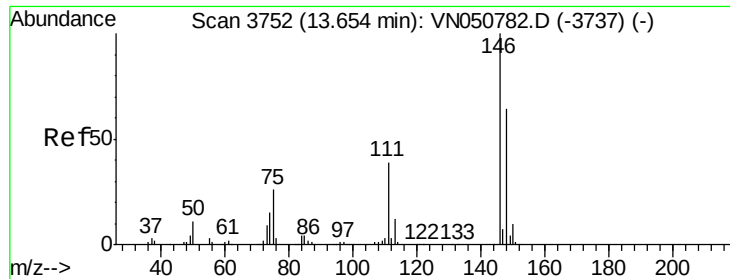
Tot Ion: 91 Resp: 326487
Ion Ratio Lower Upper
91 100
92 51.2 26.1 78.2
134 26.1 13.2 39.6



#90
Hexachloroethane
Concen: 20.19 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050873.D
Acq: 24 Aug 2018 13:39

Tgt Ion: 117 Resp: 83518
Ion Ratio Lower Upper
117 100
201 93.4 46.0 137.8

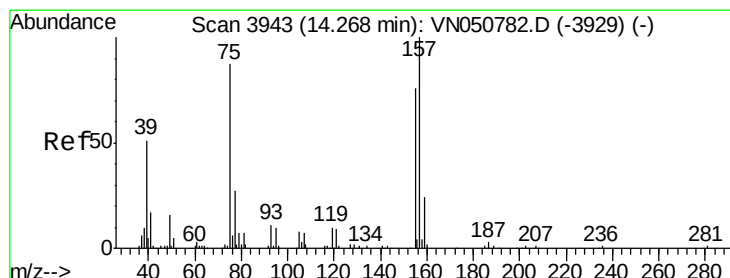
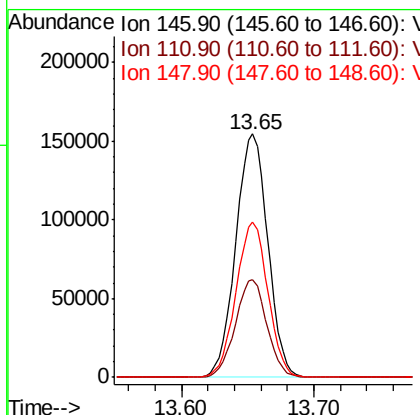
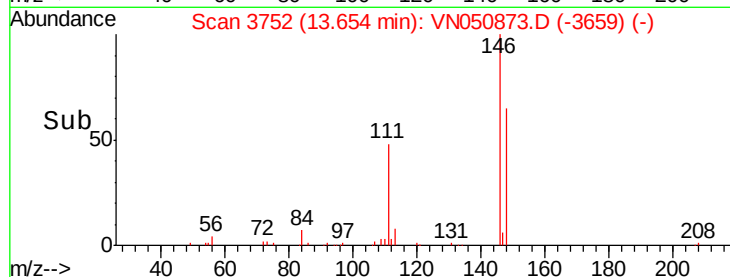
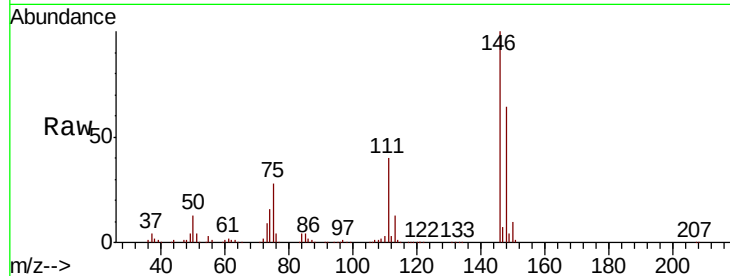




#91
 1,2-Dichlorobenzene
 Concen: 20.83 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

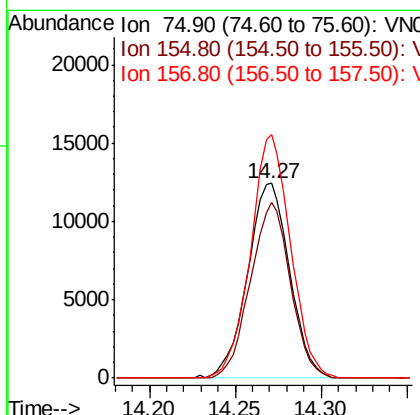
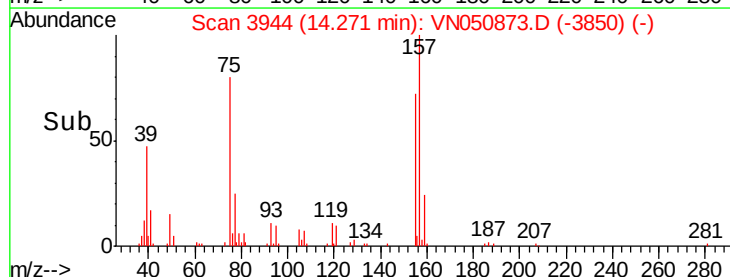
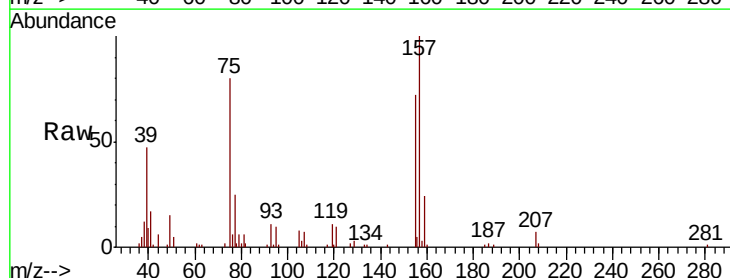
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

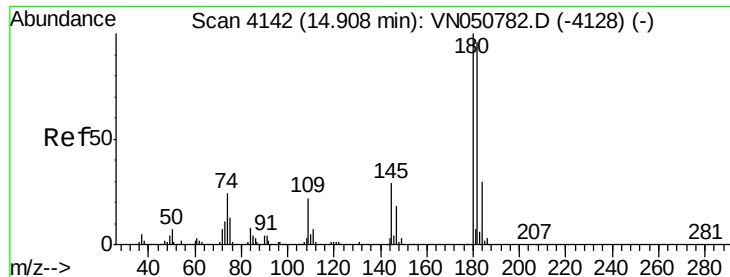
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.5	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.95 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.6	46.4	139.1
157	119.2	60.7	182.0

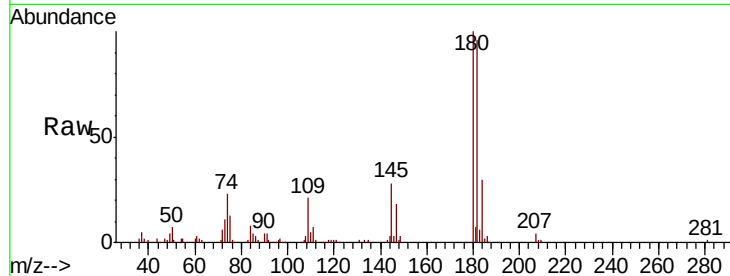




#93
 1,2,4-Trichlorobenzene
 Concen: 17.86 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.2	144.6
145	27.7	14.1	42.2

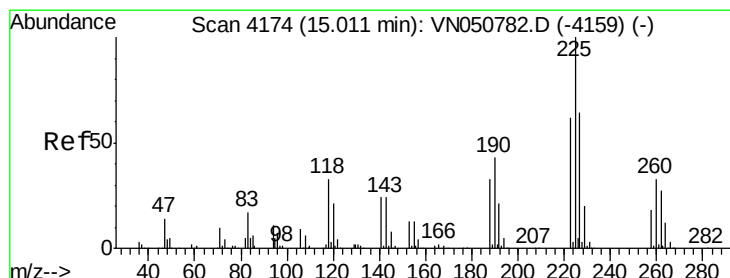
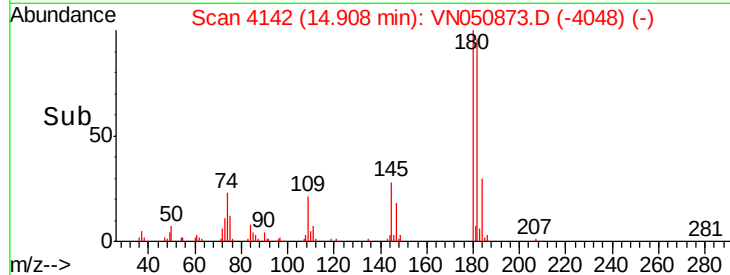
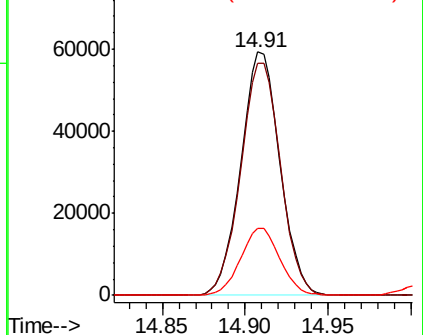


Abundance

Ion 179.80 (179.50 to 180.50): V

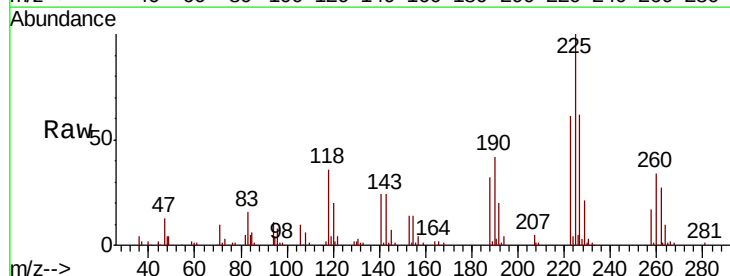
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.17 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050873.D
 Acq: 24 Aug 2018 13:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.3	93.8
227	63.2	32.0	96.2

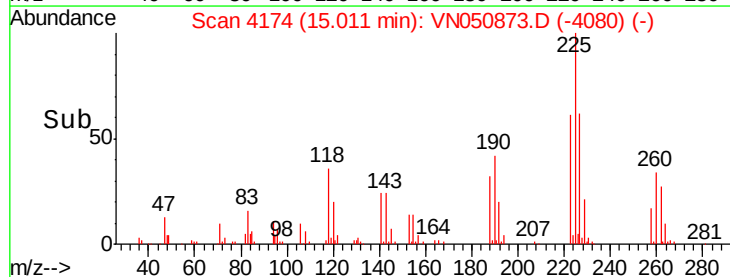
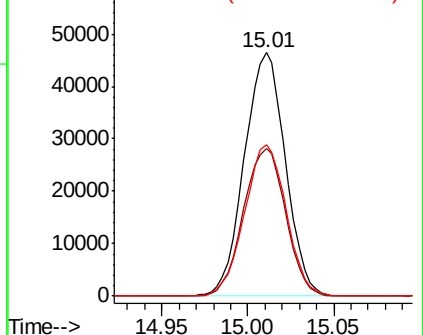


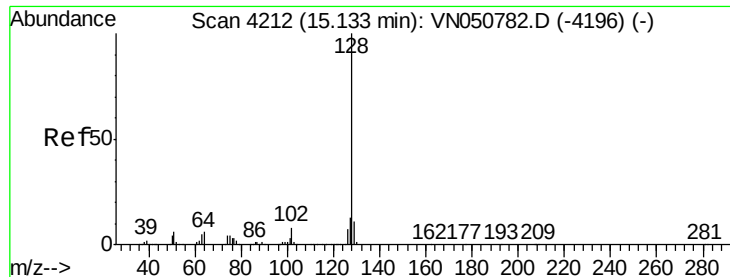
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.82 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD02

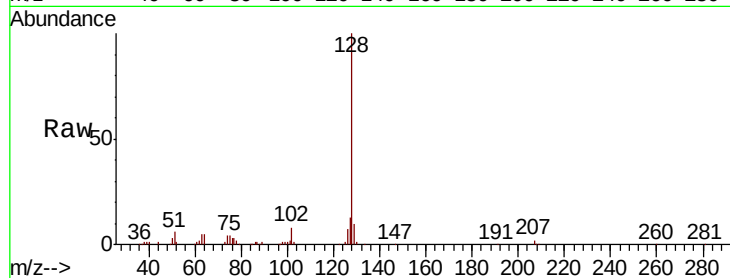
Tot Ion:128 Resp: 187996

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

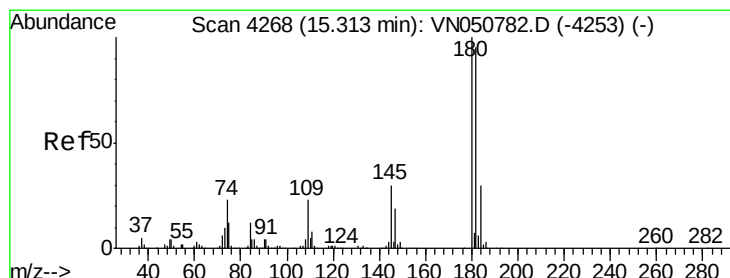
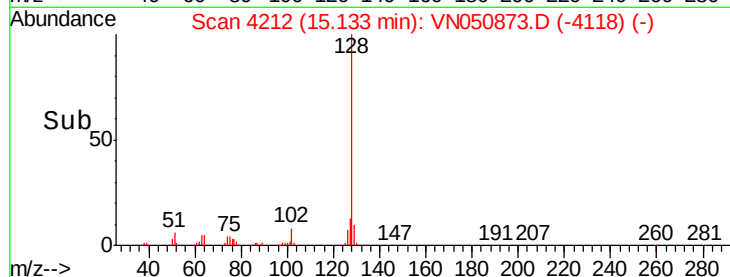
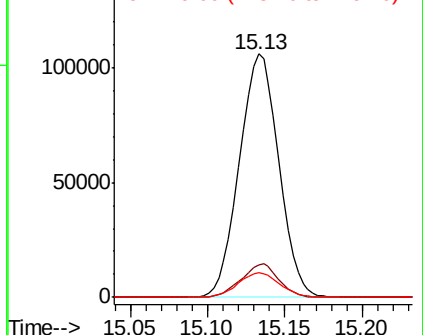
129 10.6 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.10 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050873.D

Acq: 24 Aug 2018 13:39

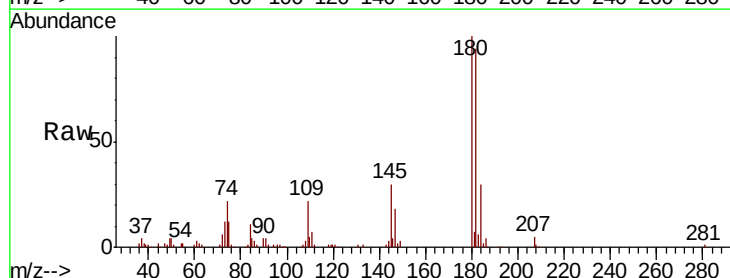
Tgt Ion:180 Resp: 102728

Ion Ratio Lower Upper

180 100

182 95.0 48.0 144.2

145 29.1 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

