

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050905.D
 Acq On : 27 Aug 2018 19:28
 Operator : MD\SY
 Sample : VN0827WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

Quant Time: Aug 28 01:58:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	111574	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	589088	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	519677	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	215362	28.40	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.67%
60) 4-Bromofluorobenzene	12.40	95	229580	28.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.87%
63) Toluene-d8	10.09	98	740917	29.85	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.50%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	160002	20.81	ug/l	97
3) Chloromethane	2.06	50	176694	22.29	ug/l	100
4) Vinyl Chloride	2.18	62	173304	20.53	ug/l	99
5) Bromomethane	2.56	94	98550	19.15	ug/l	99
6) Chloroethane	2.70	64	101302	20.30	ug/l	96
7) Trichlorofluoromethane	3.01	101	226931	20.58	ug/l	100
8) Diethyl Ether	3.41	74	79374	21.46	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141938	21.16	ug/l	98
10) 1,1-Dichloroethene	3.73	96	126576	21.28	ug/l	92
11) Methyl Iodide	3.95	142	97214	11.11	ug/l	97
12) Methyl Acetate	4.33	43	150422	22.07	ug/l	97
13) Acrolein	3.61	56	15172	36.03	ug/l	100
14) Acrylonitrile	5.00	53	243445	107.06	ug/l	97
15) Acetone	3.82	58	63649	105.33	ug/l	84
16) Carbon Disulfide	4.05	76	375525	20.63	ug/l	99
17) Allyl chloride	4.33	41	191922	20.43	ug/l	94
18) Methylene Chloride	4.55	84	152843	22.27	ug/l	98
19) trans-1,2-Dichloroethene	5.05	96	134667	21.14	ug/l	98
20) Diisopropyl ether	5.96	45	422437	21.93	ug/l	99
21) 1,1-Dichloroethane	5.85	63	256655	21.19	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148236	20.99	ug/l	98
23) tert-Butyl Alcohol	4.80	59	53338	104.98	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	340031	20.96	ug/l	98
25) Chloroform	7.37	83	256604	20.93	ug/l	99
26) Cyclohexane	7.66	56	206111	21.41	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	187504	20.51	ug/l	99
30) 2-Butanone	6.84	43	271101	94.50	ug/l	98
31) 2,2-Dichloropropane	6.83	77	188571	18.66	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	218702	20.32	ug/l	99
33) Carbon Tetrachloride	7.78	117	190465	19.86	ug/l	99
34) Benzene	8.04	78	586966	21.14	ug/l	98
35) Methacrylonitrile	7.18	41	66230	20.28	ug/l	98
36) 1,2-Dichloroethane	8.13	62	179878	19.73	ug/l	100
37) Trichloroethene	8.84	130	151396	20.79	ug/l	95
38) Methylcyclohexane	9.08	83	193150	20.04	ug/l	99
39) 1,2-Dichloropropane	9.12	63	150376	20.56	ug/l	97
40) Dibromomethane	9.21	93	91856	20.32	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
 Data File : VN050905.D
 Acq On : 27 Aug 2018 19:28
 Operator : MD\SY
 Sample : VN0827WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

Quant Time: Aug 28 01:58:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	192402	20.18	ug/l	99
42) Vinyl Acetate	5.90	43	1310157	97.05	ug/l	100
43) Ethyl Acetate	6.94	43	120668	20.14	ug/l	95
44) Isopropyl Acetate	8.17	43	214209	19.30	ug/l	99
45) 1,4-Dioxane	9.20	88	30113	412.37	ug/l	95
46) Methyl methacrylate	9.20	41	101692	18.90	ug/l	98
47) n-amyl Acetate	12.07	43	154085	17.84	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	180841	19.90	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	212671	19.91	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	133677	20.60	ug/l	97
51) Ethyl methacrylate	10.43	69	151182	19.20	ug/l	97
52) 1,3-Dichloropropane	10.71	76	219274	20.58	ug/l	99
53) Dibromochloromethane	10.90	129	145047	19.70	ug/l	98
54) 1,2-Dibromoethane	11.01	107	127141	20.01	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	330029	92.59	ug/l	99
56) Bromoform	12.13	173	101550	19.53	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	611877	101.19	ug/l	97
59) 2-Hexanone	10.75	43	383766	93.03	ug/l	98
61) Tetrachloroethene	10.63	164	140018	19.89	ug/l	97
62) Toluene	10.16	91	621415	20.96	ug/l	100
64) Chlorobenzene	11.44	112	374521	20.83	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	145276	20.72	ug/l	99
66) Ethyl Benzene	11.51	91	612902	20.23	ug/l	100
67) m/p-Xylenes	11.62	106	483296	41.45	ug/l	100
68) o-Xylene	11.95	106	229619	20.70	ug/l	100
69) Styrene	11.97	104	358689	20.17	ug/l	99
70) Isopropylbenzene	12.25	105	609994	20.64	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	171449	21.13	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	193349	27.91	ug/l	51
73) Bromobenzene	12.53	156	158104	20.09	ug/l	100
74) n-propylbenzene	12.59	91	687369	19.97	ug/l	99
75) 2-Chlorotoluene	12.68	91	424563	20.54	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	504311	20.78	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	36841	16.26	ug/l	97
78) 4-Chlorotoluene	12.77	91	403270	19.69	ug/l	99
79) tert-butylbenzene	12.99	119	433952	20.91	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	505514	20.56	ug/l	98
81) sec-Butylbenzene	13.17	105	565711	20.07	ug/l	100
82) p-Isopropyltoluene	13.29	119	480555	19.98	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	265912	19.40	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	249128	19.24	ug/l	100
85) n-Butylbenzene	13.62	91	350755	17.97	ug/l	99
86) Hexachloroethane	13.87	117	91404	19.02	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	263262	19.65	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23877	18.89	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	103207	16.13	ug/l	98
90) Hexachlorobutadiene	15.01	225	83405	19.77	ug/l	98
91) Naphthalene	15.13	128	201170	17.67	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112038	17.22	ug/l	100

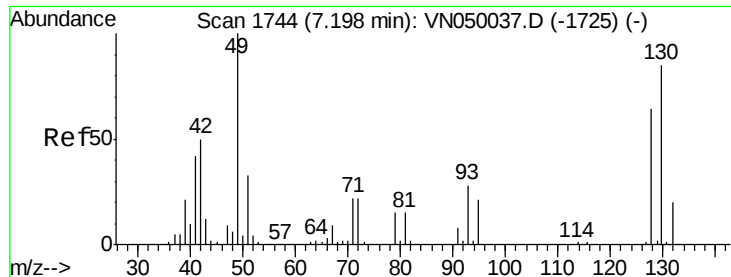
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082718\
Data File : VN050905.D
Acq On : 27 Aug 2018 19:28
Operator : MD\SY
Sample : VN0827WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

Quant Time: Aug 28 01:58:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

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

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

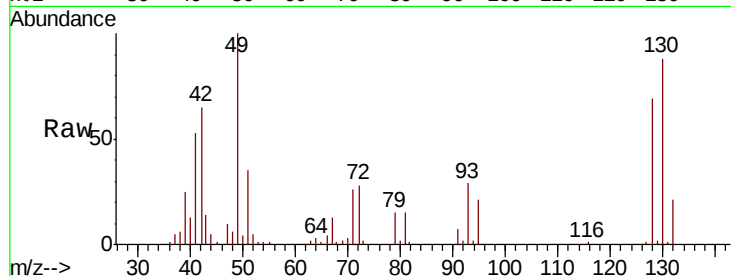
Tot Ion:128 Resp: 111574

Ion Ratio Lower Upper

128 100

49 149.6 0.0 378.3

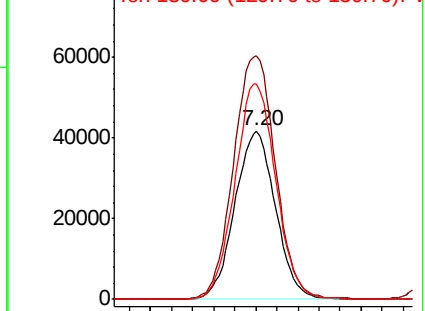
130 129.0 0.0 320.7



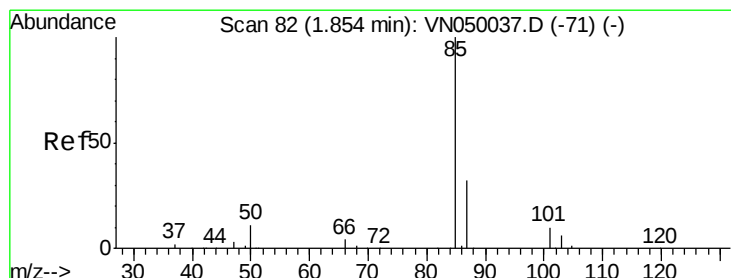
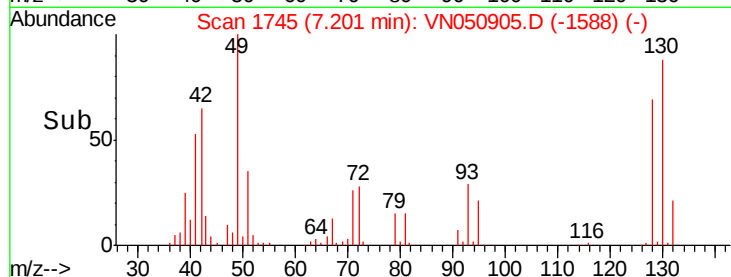
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 20.81 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050905.D

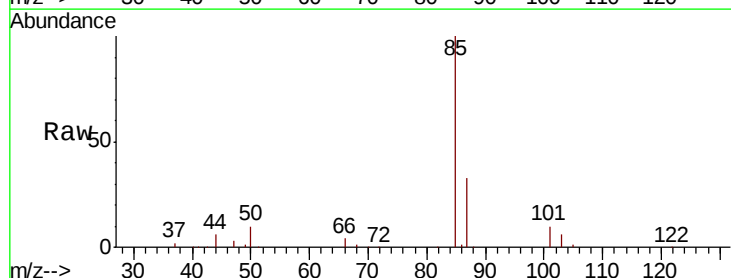
Acq: 27 Aug 2018 19:28

Tgt Ion: 85 Resp: 160002

Ion Ratio Lower Upper

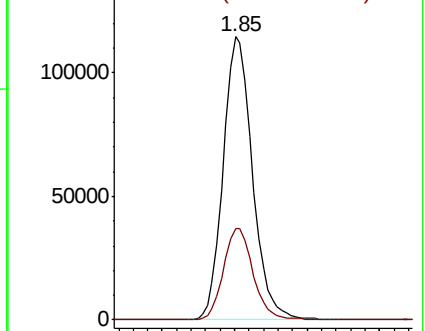
85 100

87 32.5 15.4 46.4

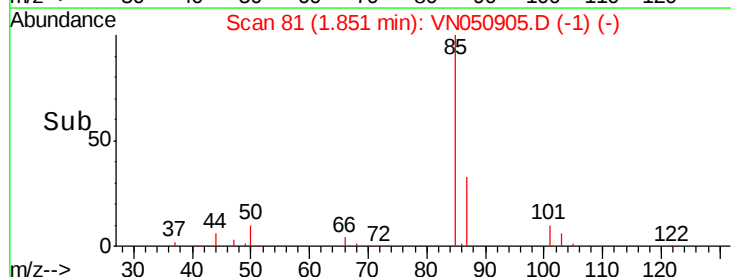


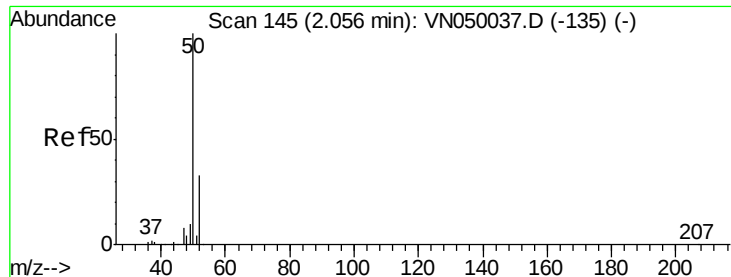
Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



Time-->





#3

Chloromethane

Concen: 22.29 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

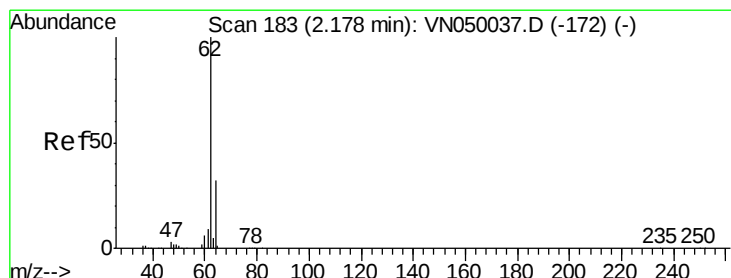
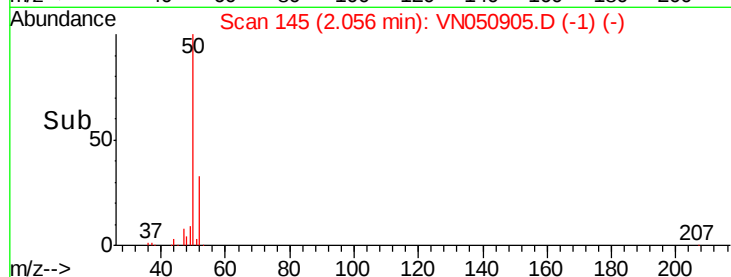
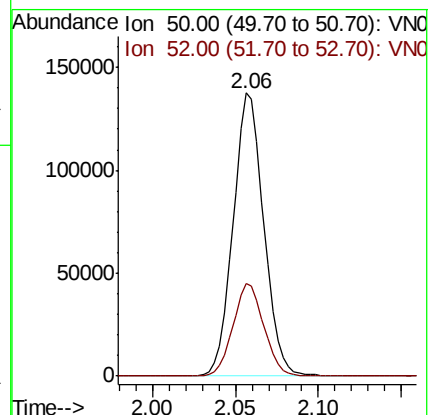
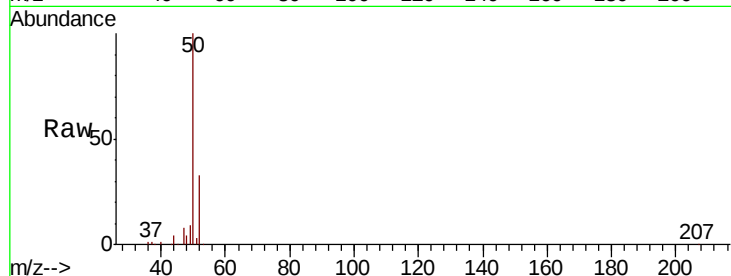
VN0827WBSD02

Tot Ion: 50 Resp: 176694

Ion Ratio Lower Upper

50 100

52 32.6 26.1 39.1



#4

Vinyl Chloride

Concen: 20.53 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050905.D

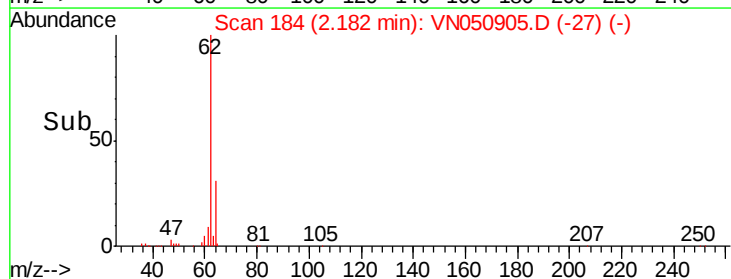
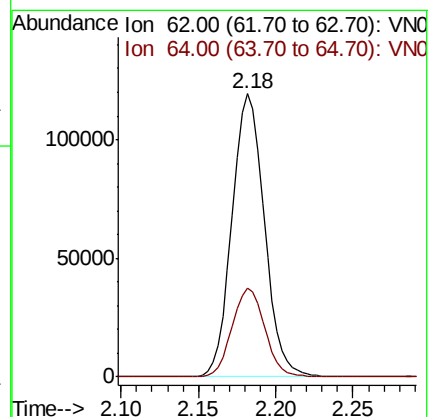
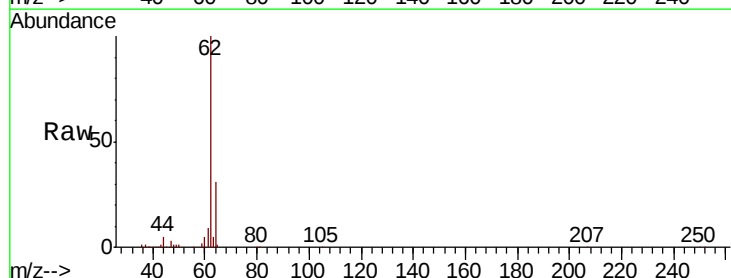
Acq: 27 Aug 2018 19:28

Tgt Ion: 62 Resp: 173304

Ion Ratio Lower Upper

62 100

64 31.2 24.4 36.6





#5

Bromomethane

Concen: 19.15 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

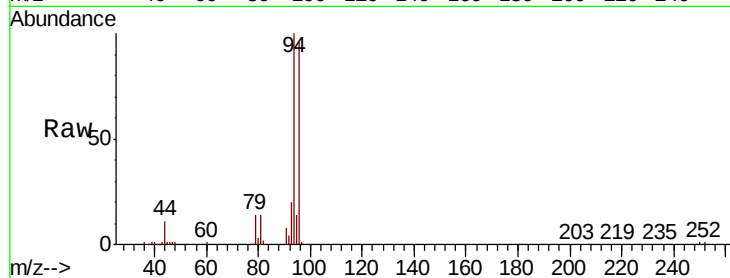
VN0827WBSD02

Tot Ion: 94 Resp: 98550

Ion Ratio Lower Upper

94 100

96 95.9 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

60000

50000

40000

30000

20000

10000

0

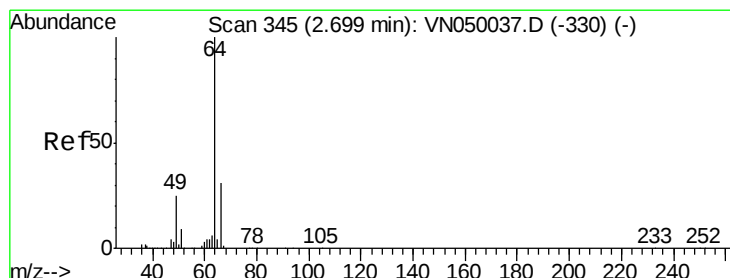
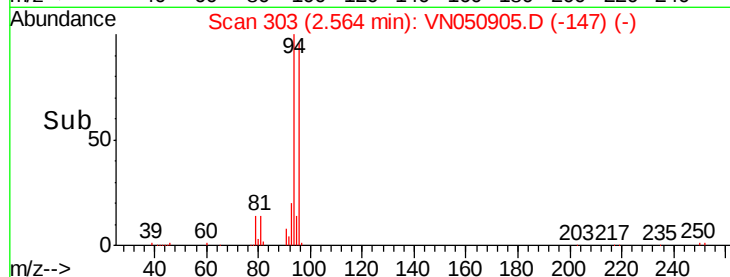
2.56

2.55

2.60

2.65

Time-->



#6

Chloroethane

Concen: 20.30 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050905.D

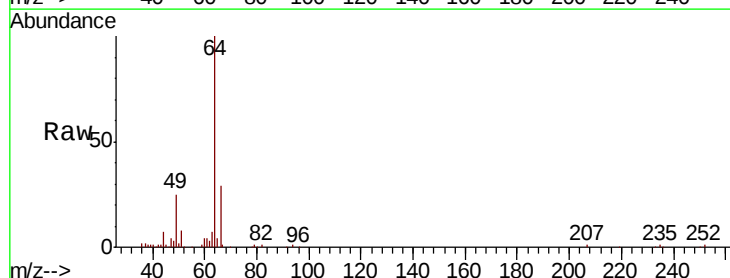
Acq: 27 Aug 2018 19:28

Tgt Ion: 64 Resp: 101302

Ion Ratio Lower Upper

64 100

66 29.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

60000

50000

40000

30000

20000

10000

0

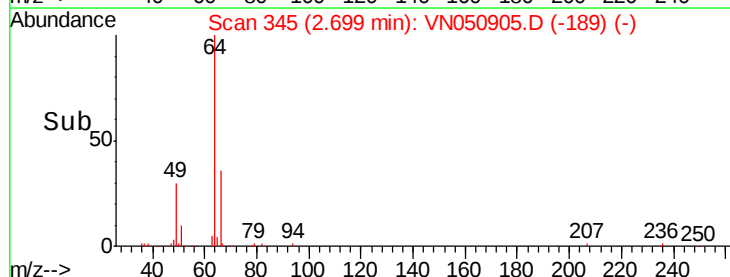
2.70

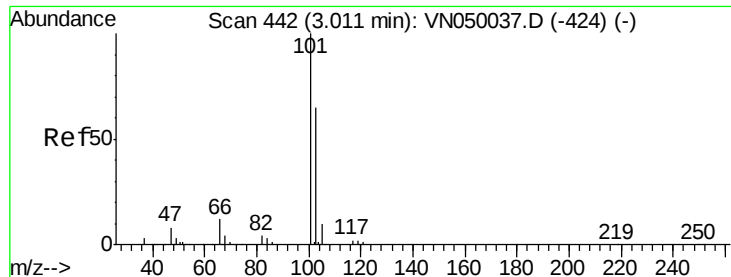
2.65

2.75

2.80

Time-->



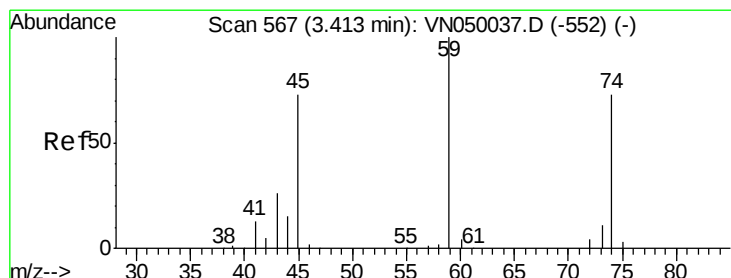
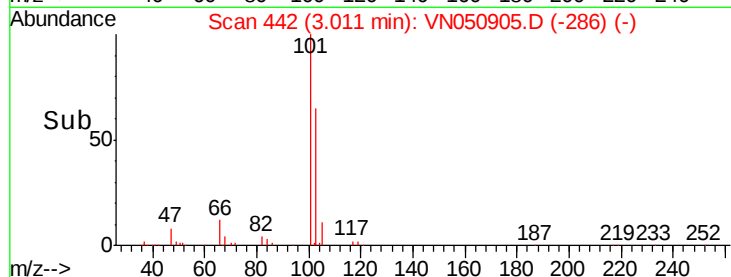
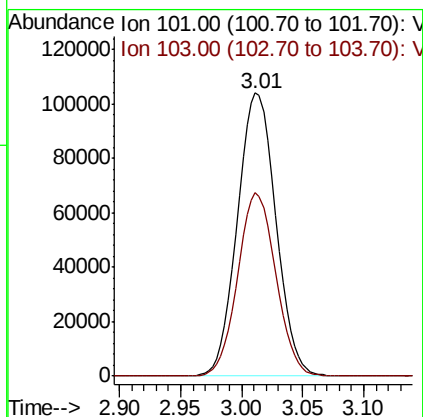
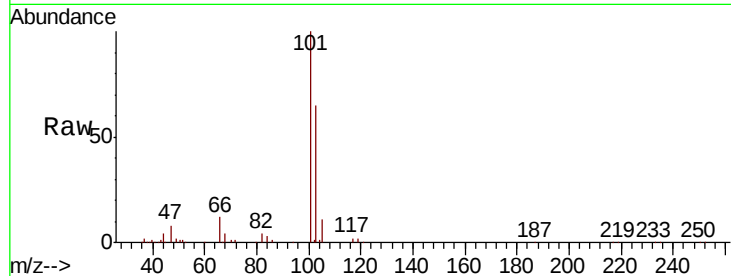


#7

Trichlorofluoromethane
 Concen: 20.58 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

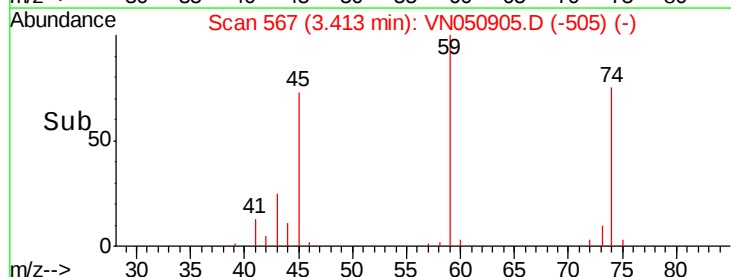
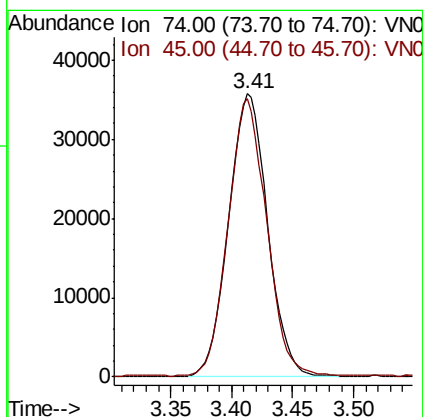
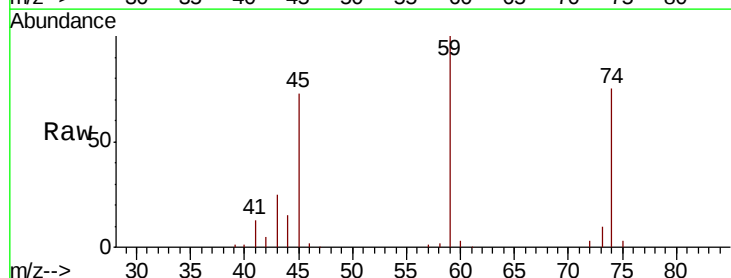
Tot Ion:101 Resp: 226931
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.5 77.3

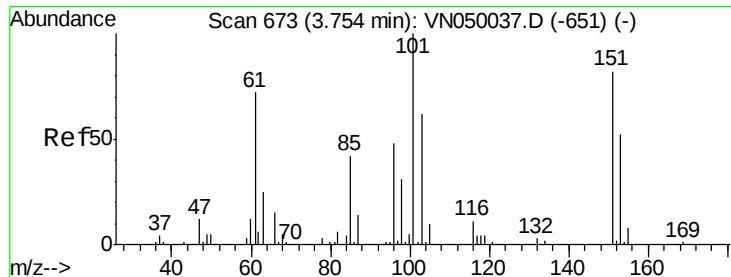


#8

Diethyl Ether
 Concen: 21.46 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 74 Resp: 79374
 Ion Ratio Lower Upper
 74 100
 45 96.5 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.16 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

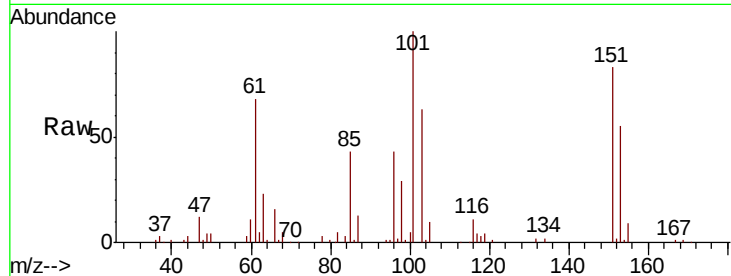
Tot Ion:101 Resp: 141938

Ion Ratio Lower Upper

101 100

85 42.3 0.0 83.0

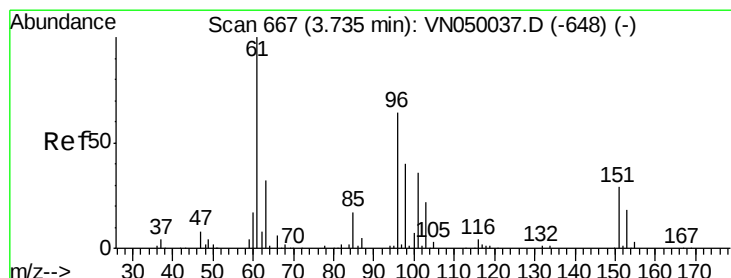
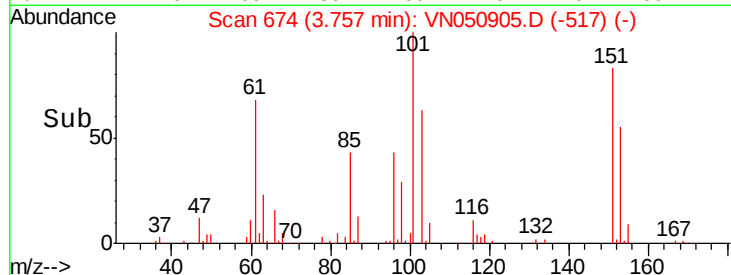
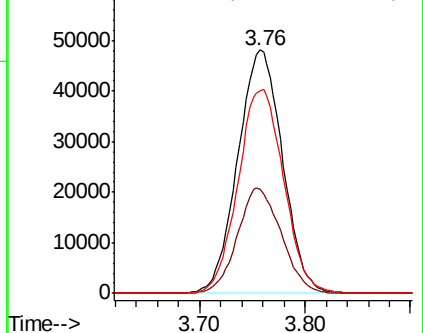
151 85.7 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 21.28 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

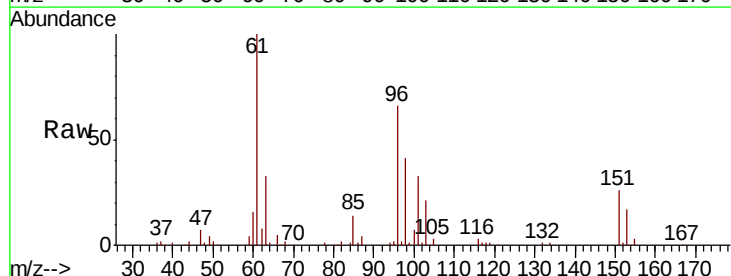
Tgt Ion: 96 Resp: 126576

Ion Ratio Lower Upper

96 100

61 150.7 130.6 195.8

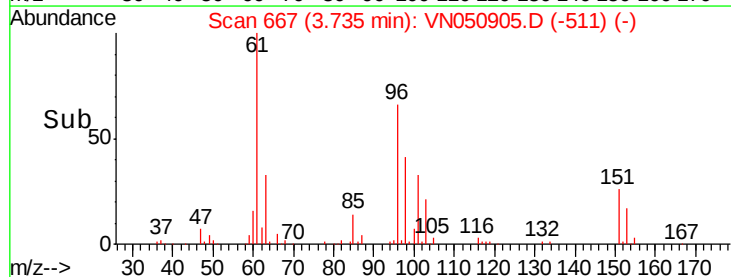
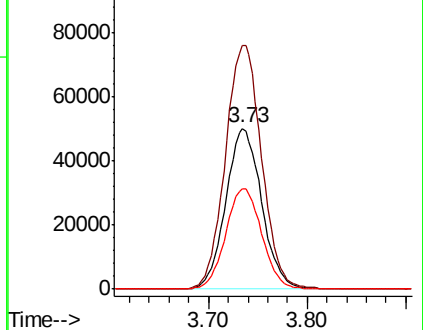
98 62.6 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

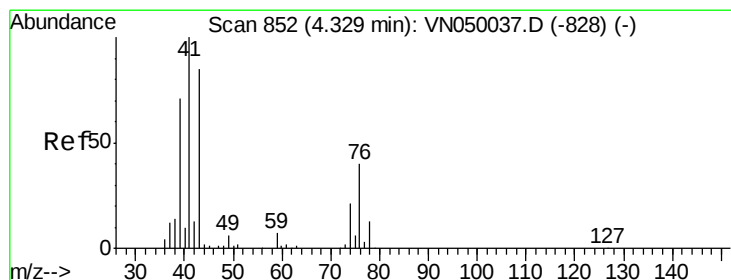
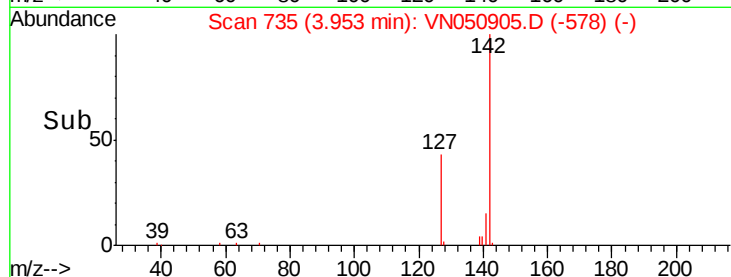
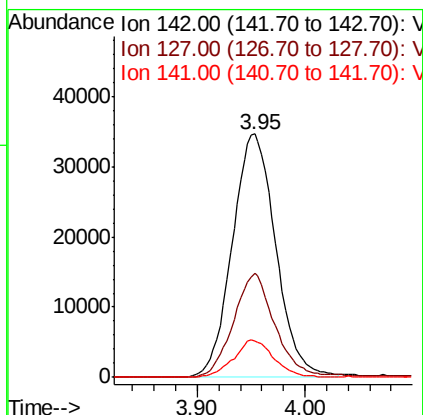
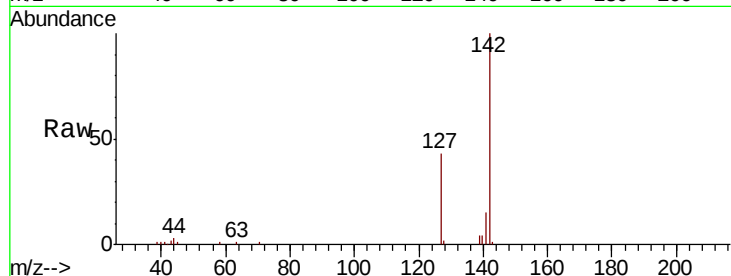




#11
Methvl Iodide
Concen: 11.11 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

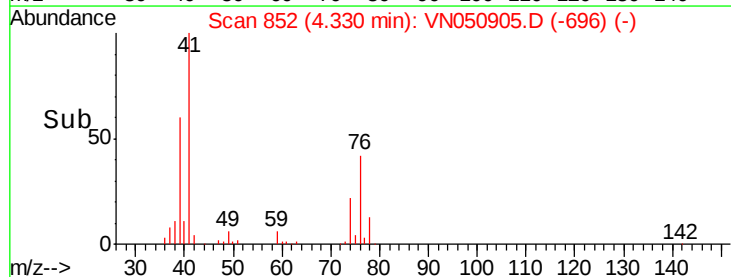
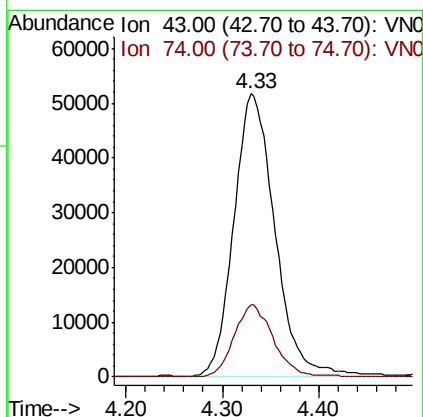
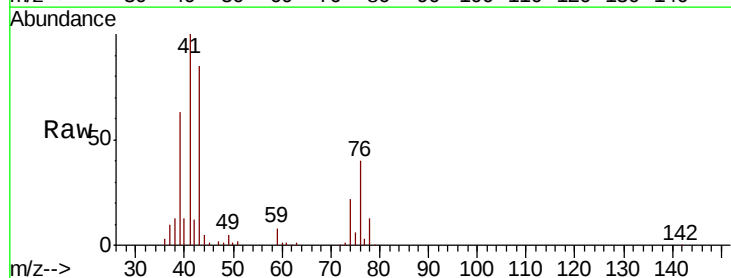
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

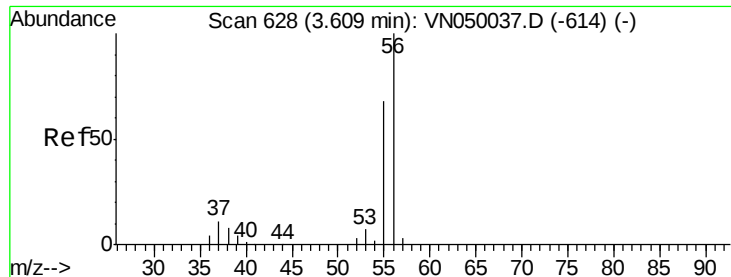
Tot Ion:142 Resp: 97214
Ion Ratio Lower Upper
142 100
127 42.3 20.2 60.5
141 15.2 6.9 20.6



#12
Methyl Acetate
Concen: 22.07 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 150422
Ion Ratio Lower Upper
43 100
74 25.6 19.3 28.9





#13

Acrolein

Concen: 36.03 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

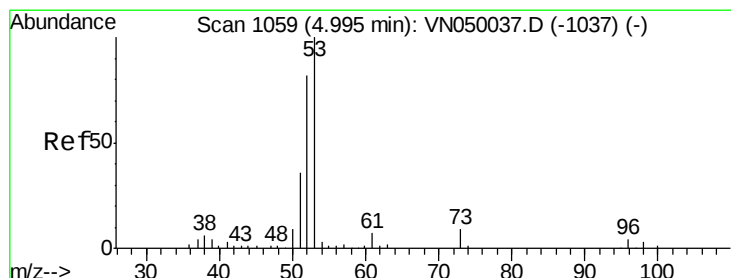
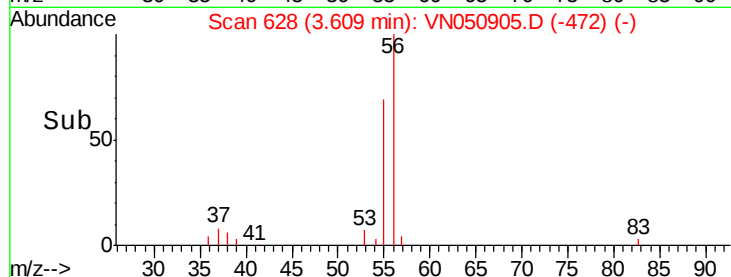
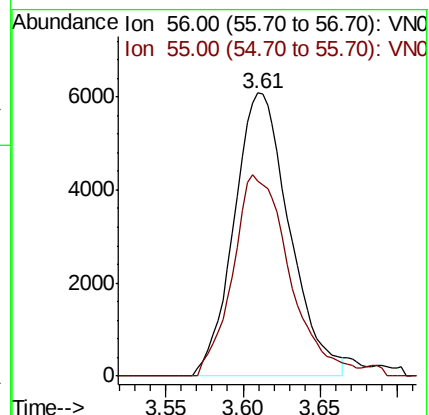
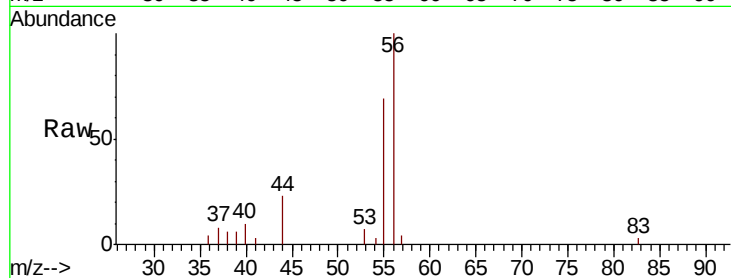
VN0827WBSD02

Tot Ion: 56 Resp: 15172

Ion Ratio Lower Upper

56 100

55 73.1 58.6 88.0



#14

Acrylonitrile

Concen: 107.06 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

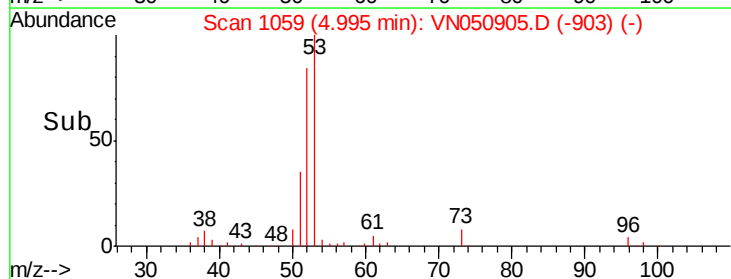
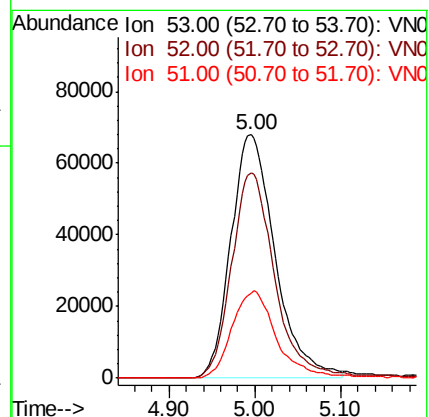
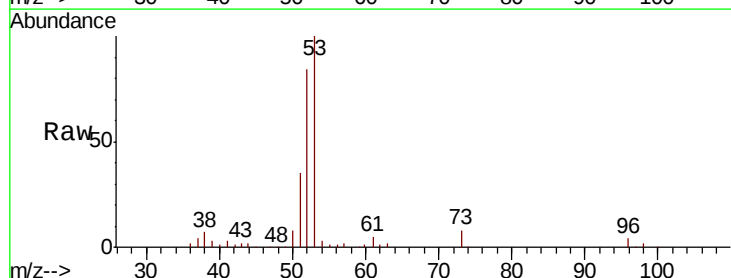
Tgt Ion: 53 Resp: 243445

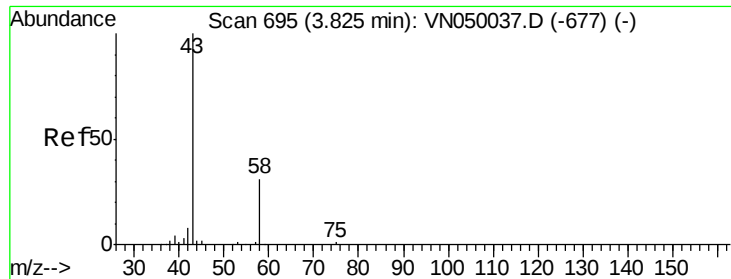
Ion Ratio Lower Upper

53 100

52 81.1 41.5 124.5

51 35.3 18.7 56.1





#15

Acetone

Concen: 105.33 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

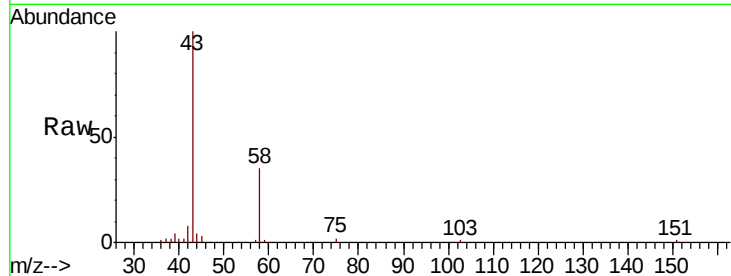
VN0827WBSD02

Tot Ion: 58 Resp: 63649

Ion Ratio Lower Upper

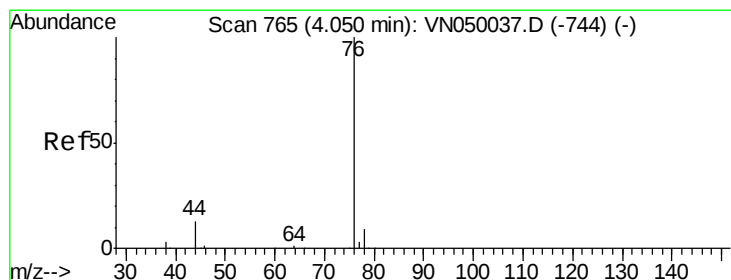
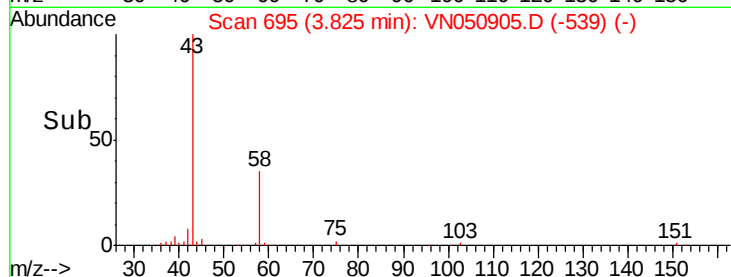
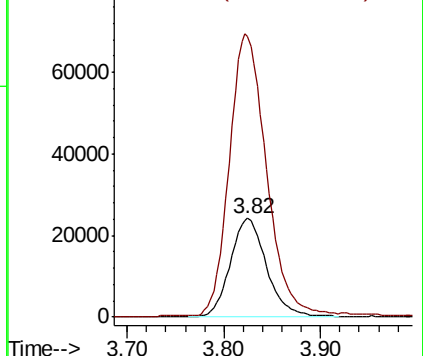
58 100

43 282.4 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.63 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050905.D

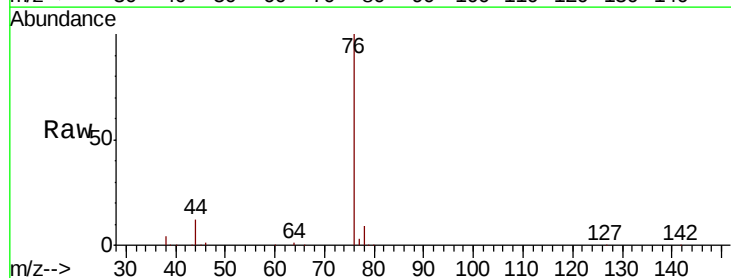
Acq: 27 Aug 2018 19:28

Tgt Ion: 76 Resp: 375525

Ion Ratio Lower Upper

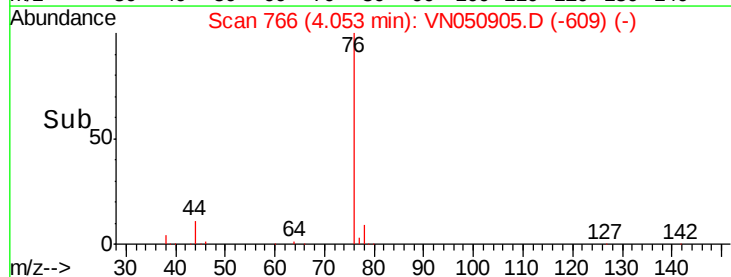
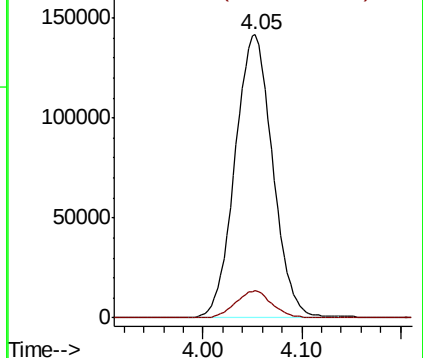
76 100

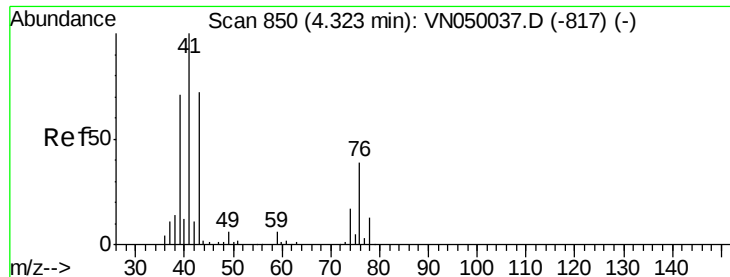
78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

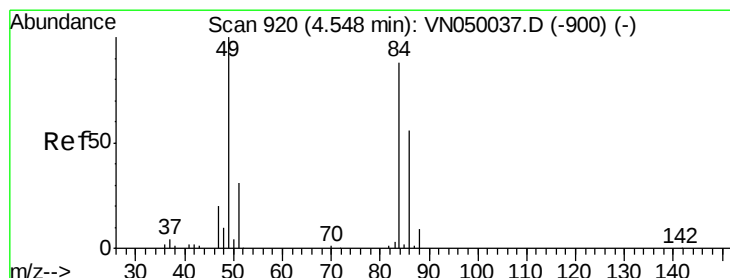
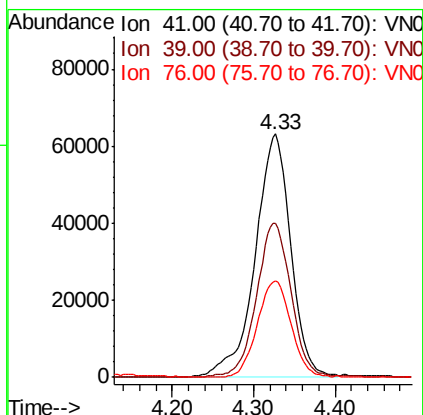
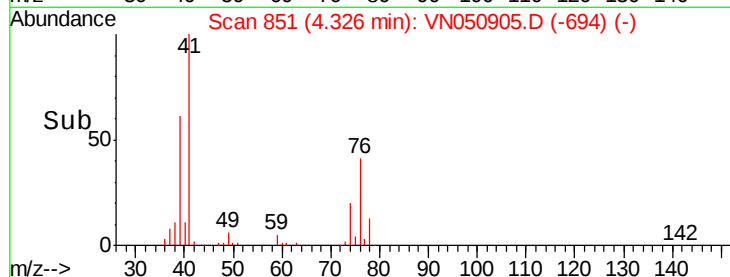
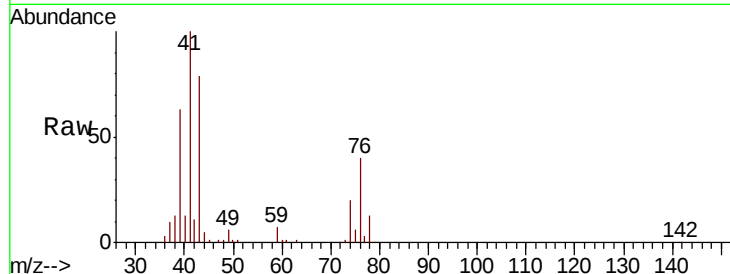




#17
Allvl chloride
Concen: 20.43 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

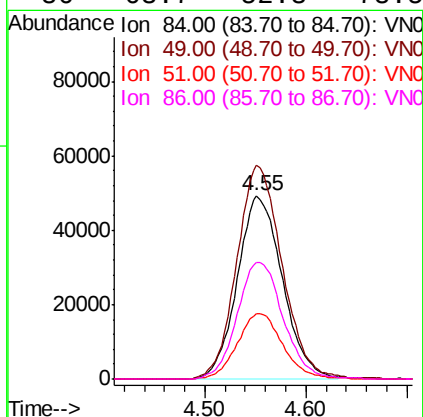
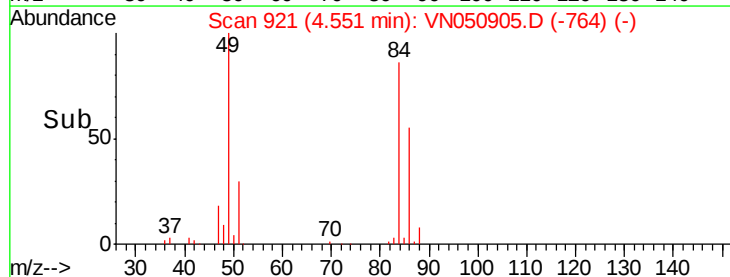
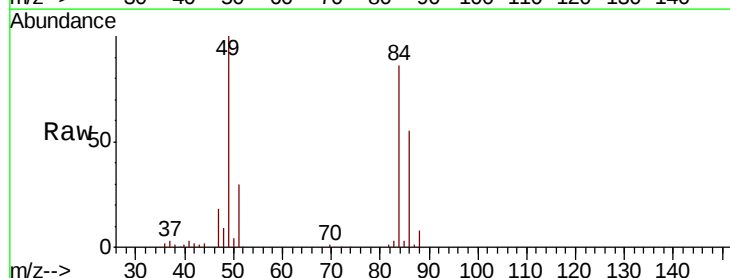
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

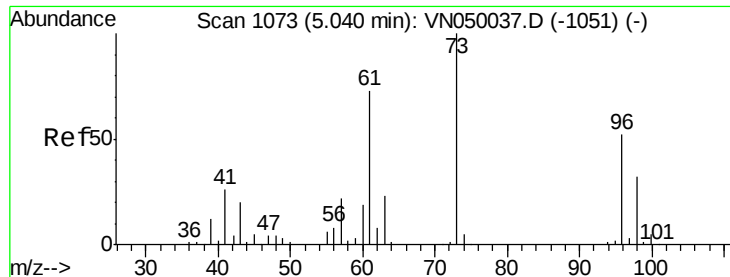
Tot Ion: 41 Resp: 191922
Ion Ratio Lower Upper
41 100
39 63.4 35.4 106.3
76 39.3 19.7 59.1



#18
Methylene Chloride
Concen: 22.27 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 84 Resp: 152843
Ion Ratio Lower Upper
84 100
49 116.3 95.1 142.7
51 35.4 28.8 43.2
86 63.7 52.3 78.5

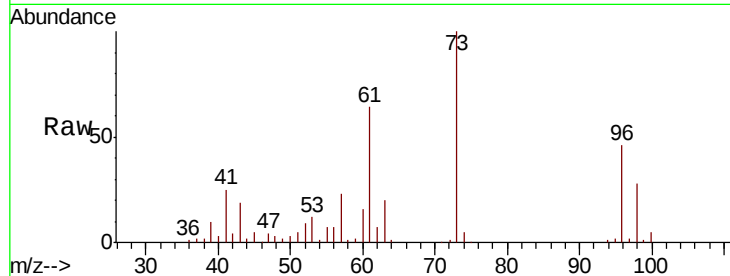




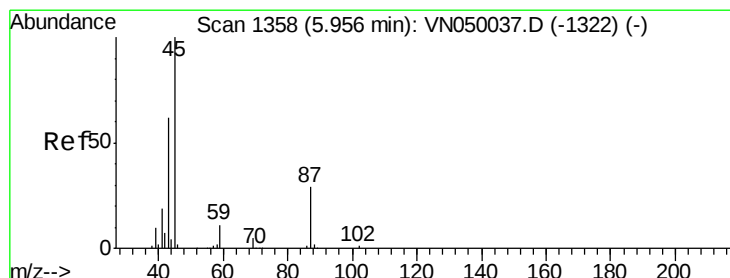
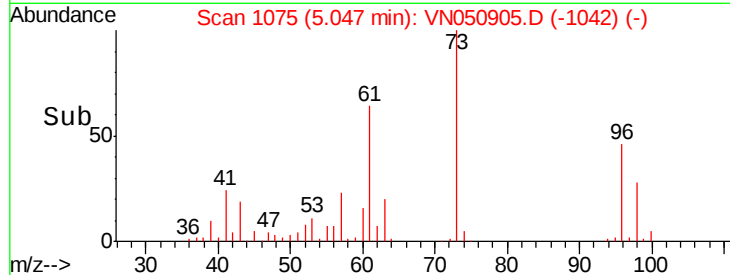
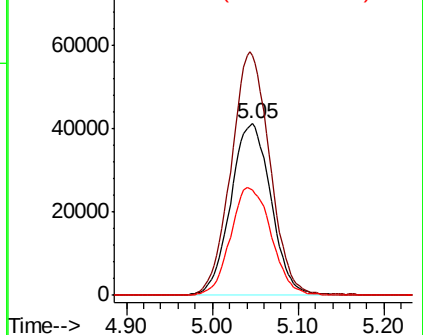
#19
trans-1,2-Dichloroethene
Concen: 21.14 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

Tot Ion: 96 Resp: 134667
Ion Ratio Lower Upper
96 100
61 139.5 112.1 168.1
98 61.2 51.3 76.9

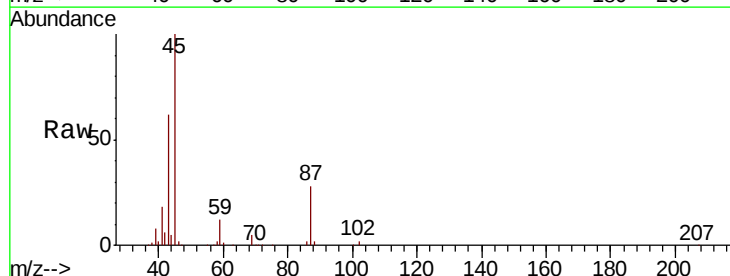


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

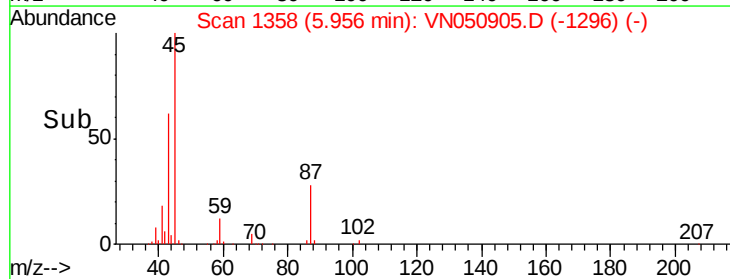
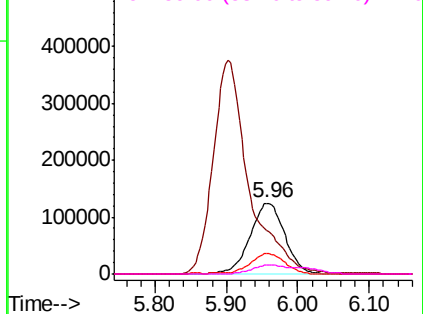


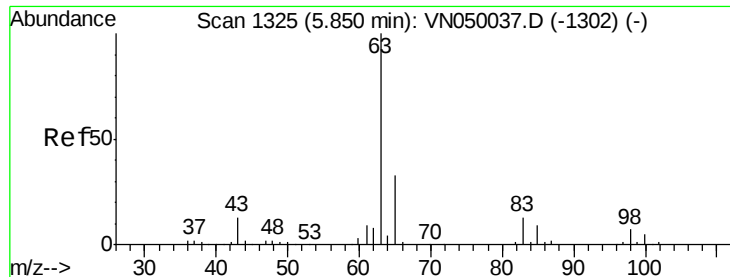
#20
Diisopropyl ether
Concen: 21.93 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 45 Resp: 422437
Ion Ratio Lower Upper
45 100
43 59.8 46.6 70.0
87 28.3 22.3 33.5
59 12.1 9.5 14.3



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





#21

1,1-Dichloroethane

Concen: 21.19 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

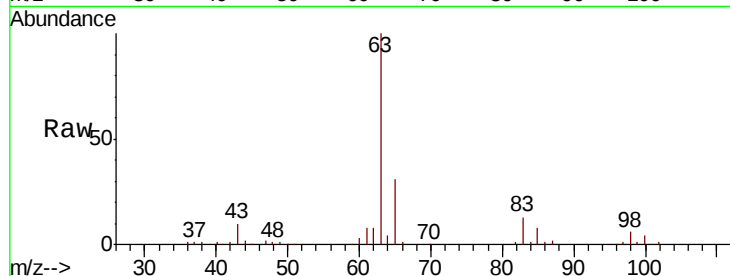
Tot Ion: 63 Resp: 256655

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.6

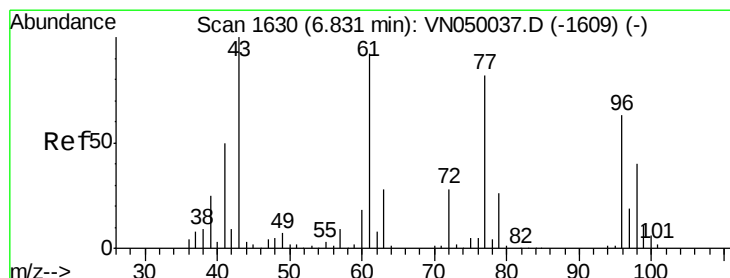
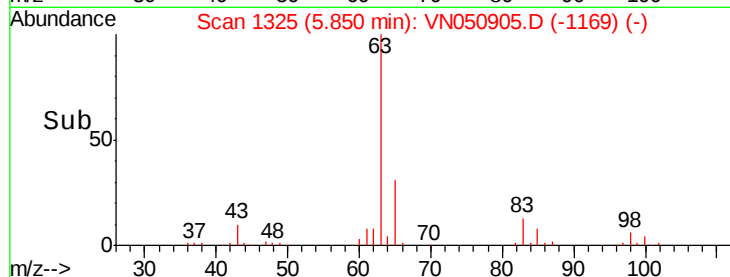
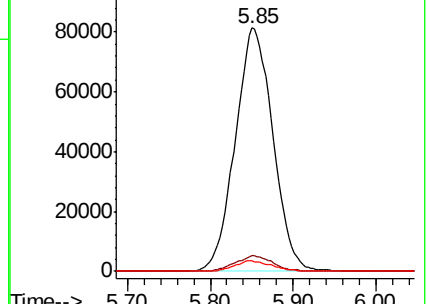
100 4.1 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1302) (-)

Ion 100.00 (99.70 to 100.70): VN050037.D (-1302) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.99 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

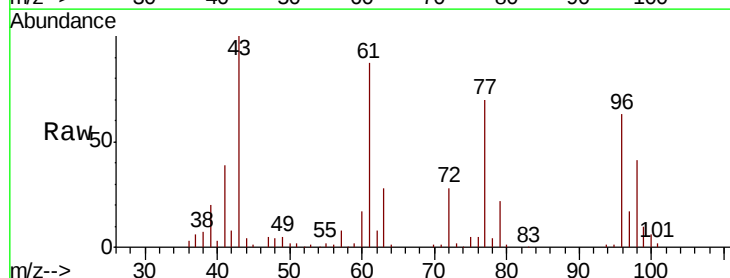
Tgt Ion: 96 Resp: 148236

Ion Ratio Lower Upper

96 100

61 140.1 114.2 171.2

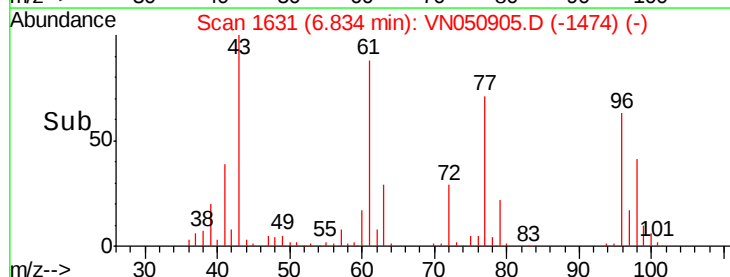
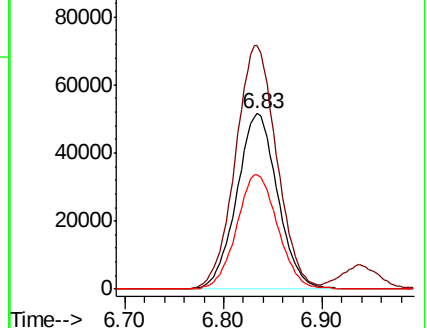
98 65.8 51.7 77.5

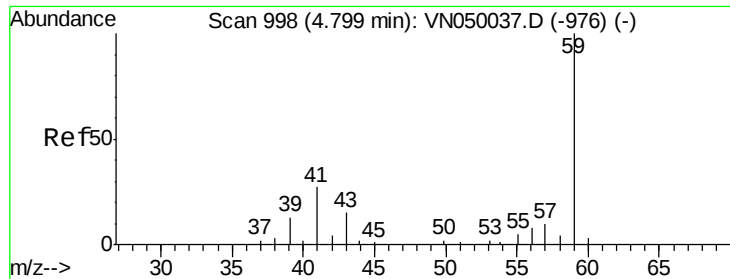


Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

Ion 61.00 (60.70 to 61.70): VN050037.D (-1609) (-)

Ion 98.00 (97.70 to 98.70): VN050037.D (-1609) (-)

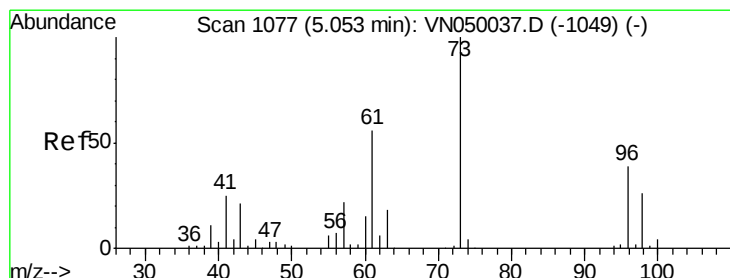
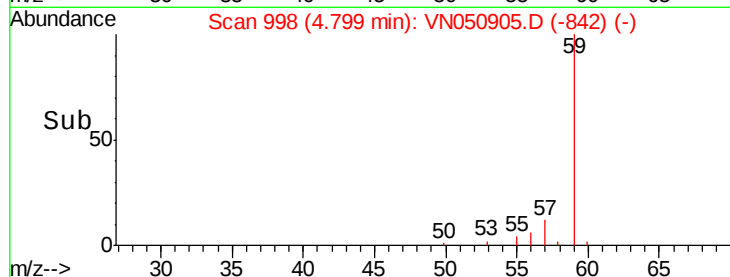
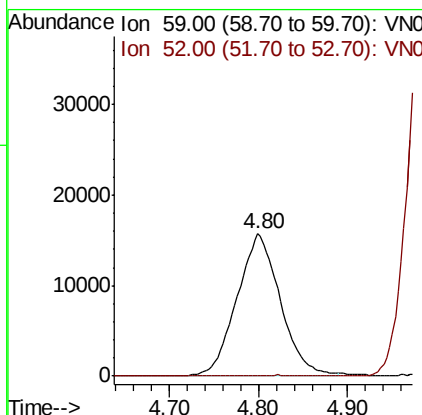
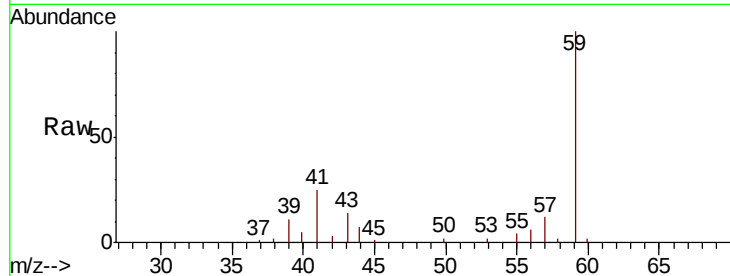




#23
 tert-Butyl Alcohol
 Concen: 104.98 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

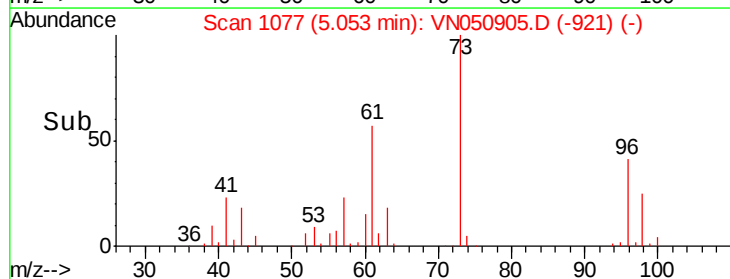
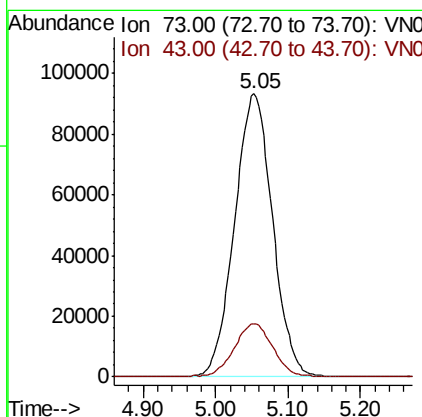
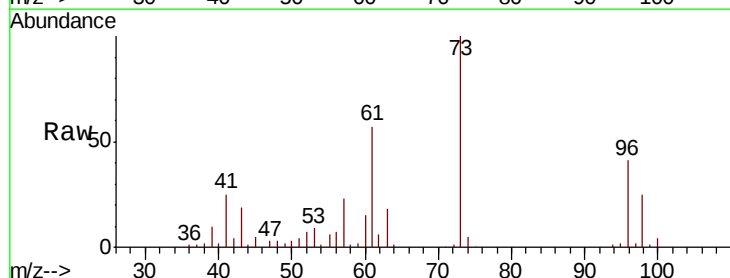
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

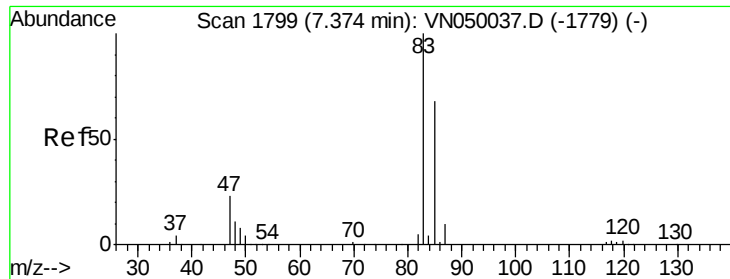
Tot Ion: 59 Resp: 53338
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 20.96 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 73 Resp: 340031
 Ion Ratio Lower Upper
 73 100
 43 18.4 15.5 23.3

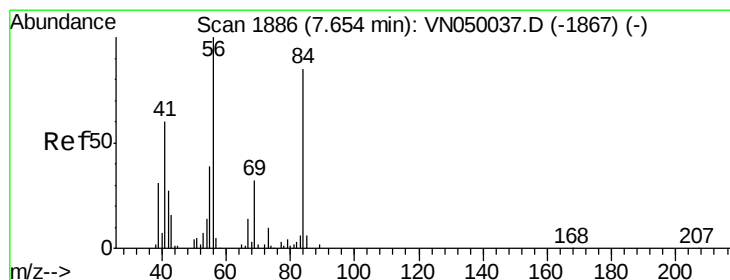
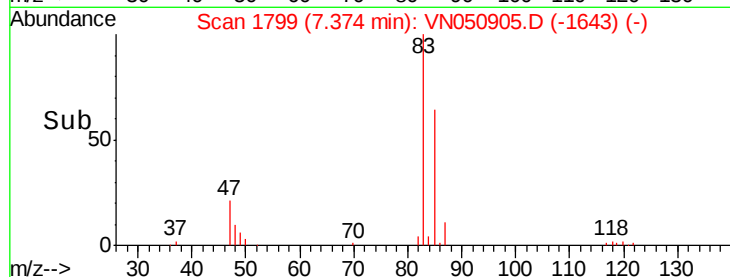
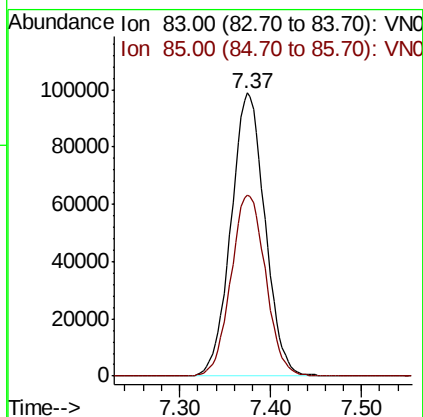
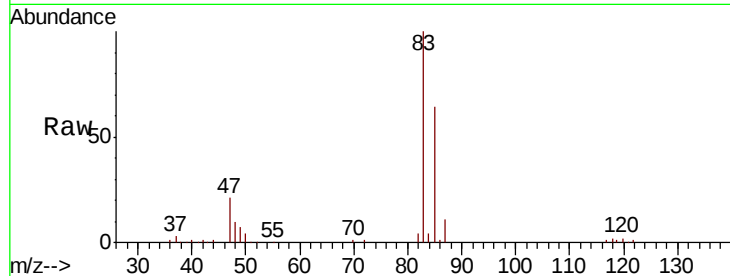




#25
Chloroform
Concen: 20.93 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

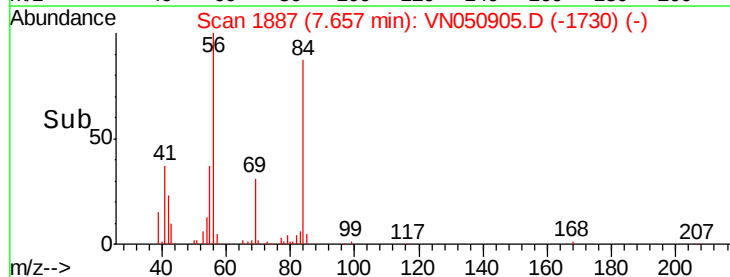
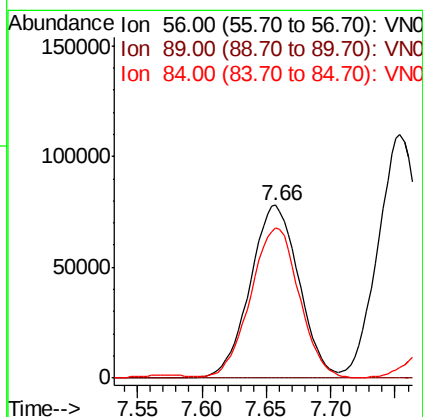
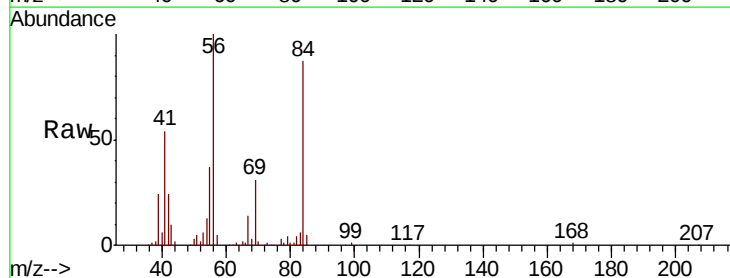
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

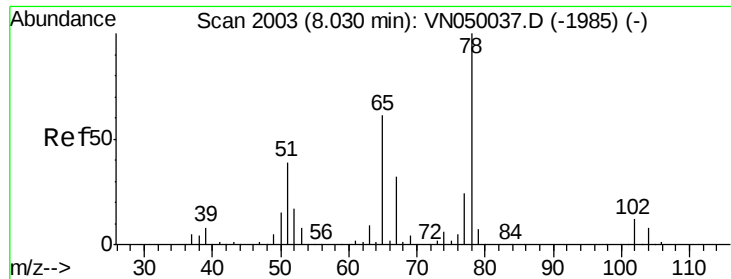
Tot Ion: 83 Resp: 256604
Ion Ratio Lower Upper
83 100
85 64.0 52.1 78.1



#26
Cyclohexane
Concen: 21.41 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 56 Resp: 206111
Ion Ratio Lower Upper
56 100
89 0.0 3.0 4.4#
84 85.5 69.8 104.8

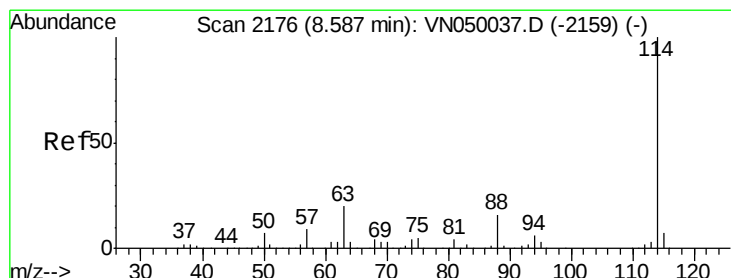
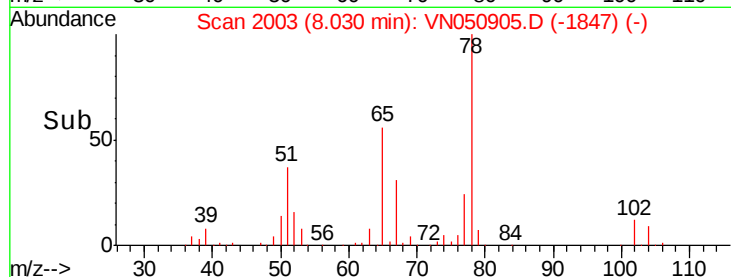
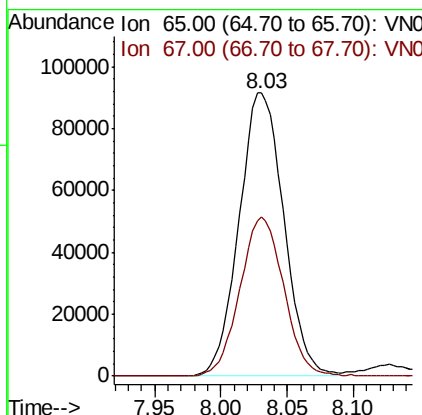
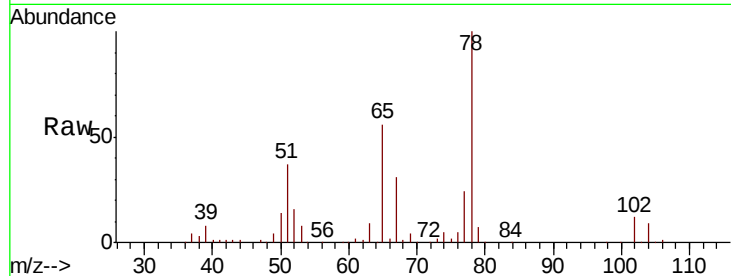




#27
 1,2-Dichloroethane-d4
 Concen: 28.40 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

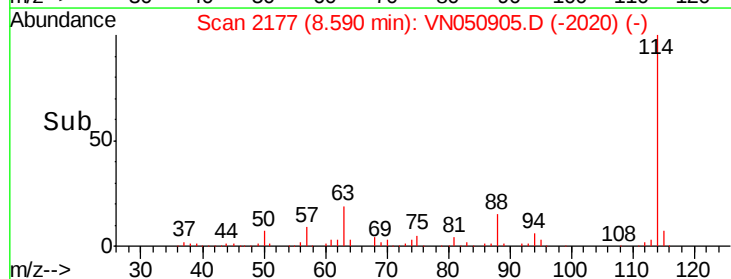
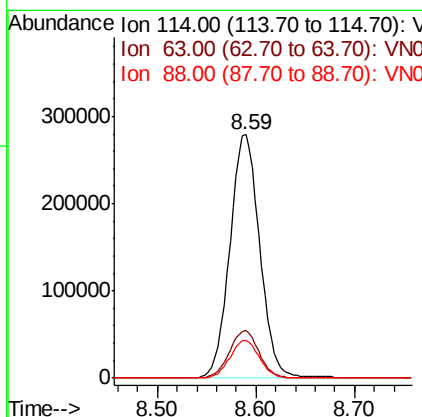
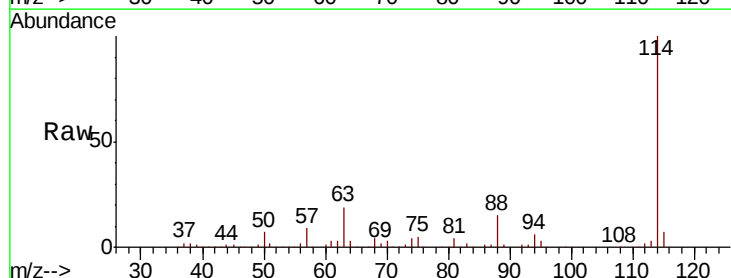
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBSD02

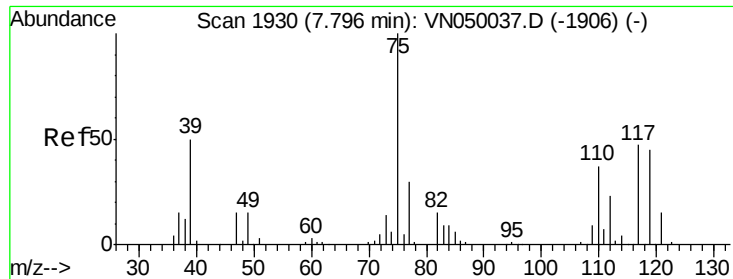
Tot Ion: 65 Resp: 215362
 Ion Ratio Lower Upper
 65 100
 67 54.9 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 114 Resp: 589088
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.2 24.2
 88 15.3 12.3 18.5

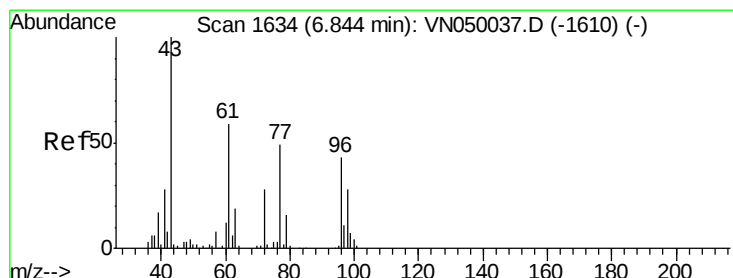
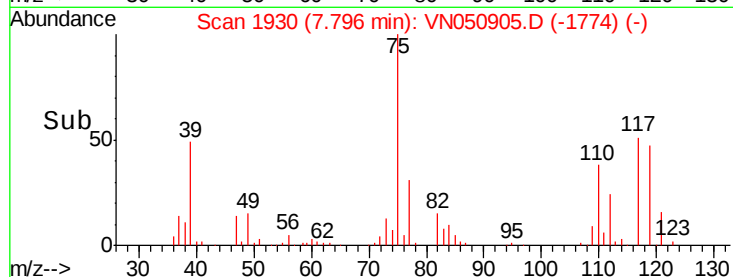
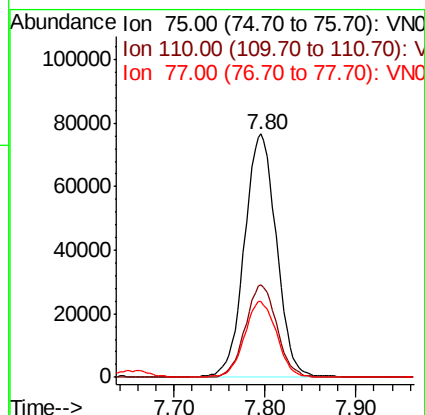
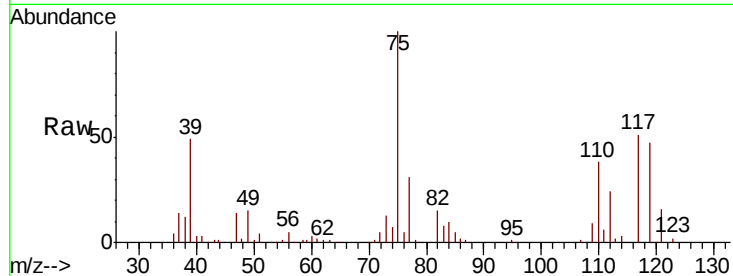




#29
 1,1-Dichloropropene
 Concen: 20.51 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

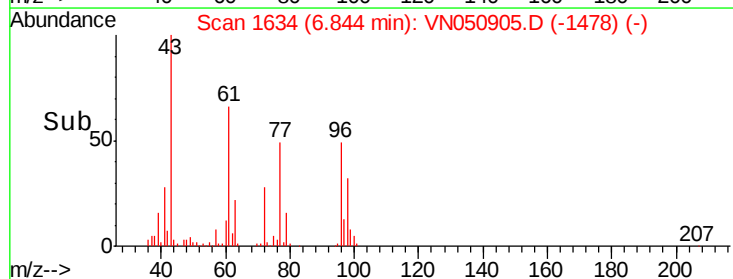
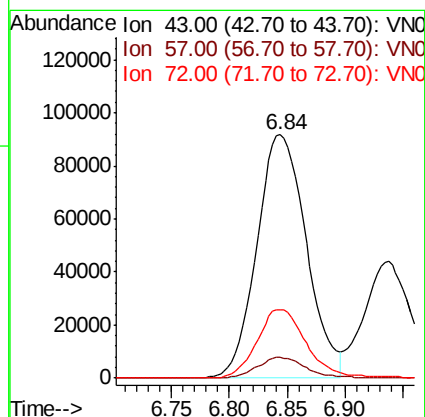
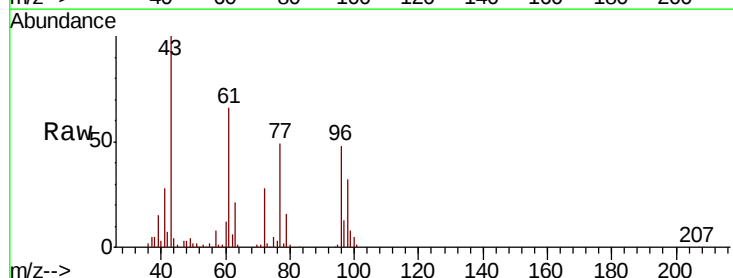
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0827WBSD02

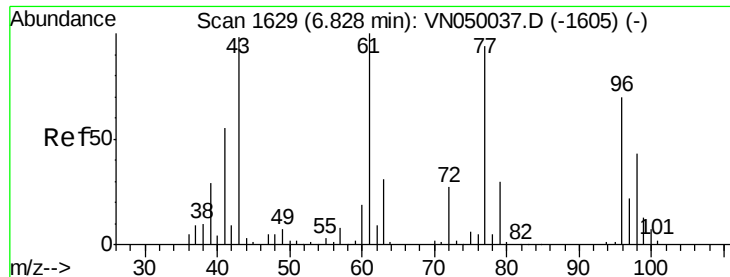
Tot Ion: 75 Resp: 187504
 Ion Ratio Lower Upper
 75 100
 110 37.2 0.0 73.2
 77 31.5 0.0 62.0



#30
 2-Butanone
 Concen: 94.50 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 271101
 Ion Ratio Lower Upper
 43 100
 57 8.4 6.8 10.2
 72 28.2 21.4 32.0

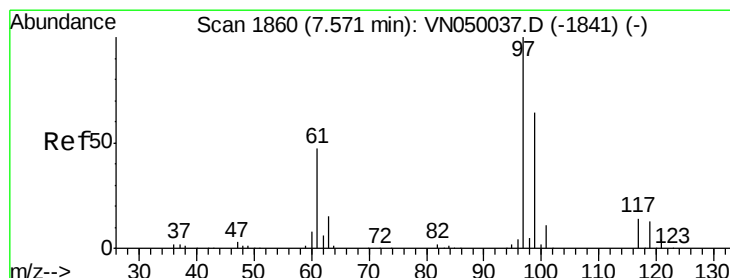
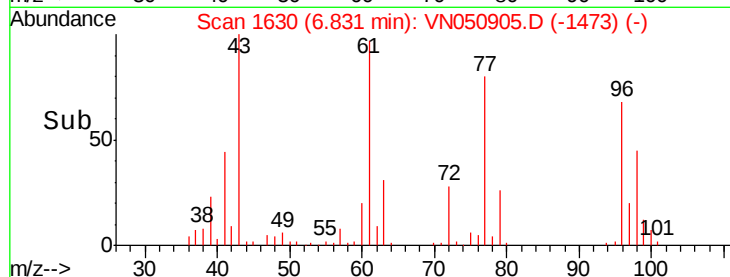
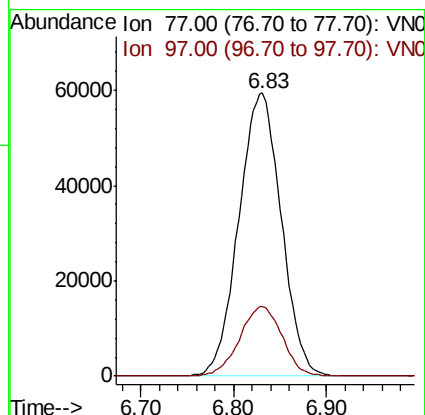
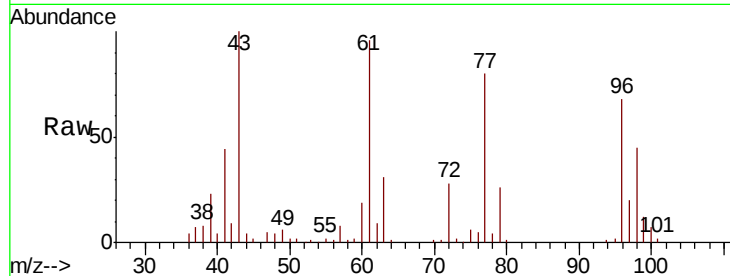




#31
 2,2-Dichloropropane
 Concen: 18.66 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

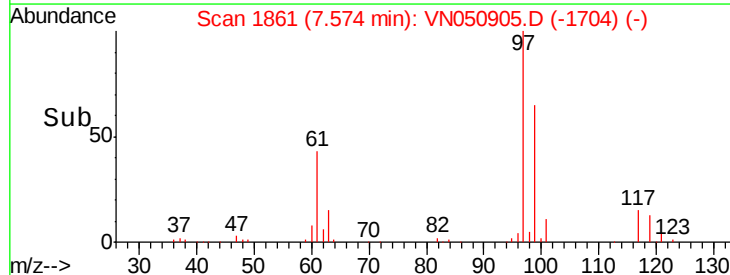
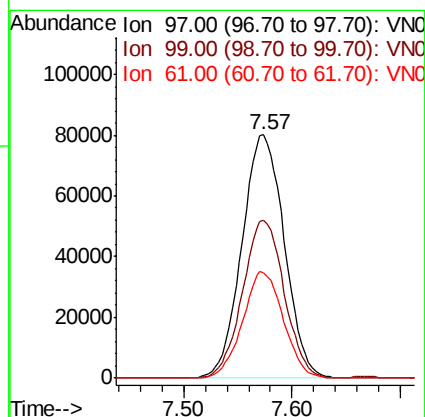
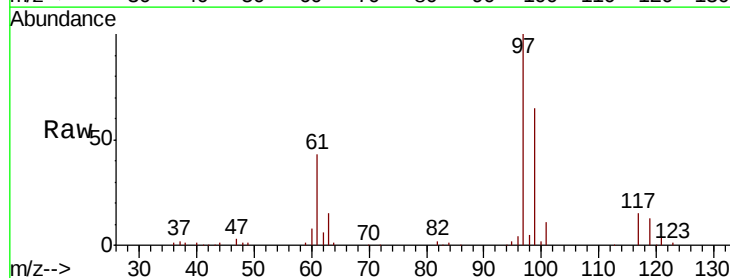
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

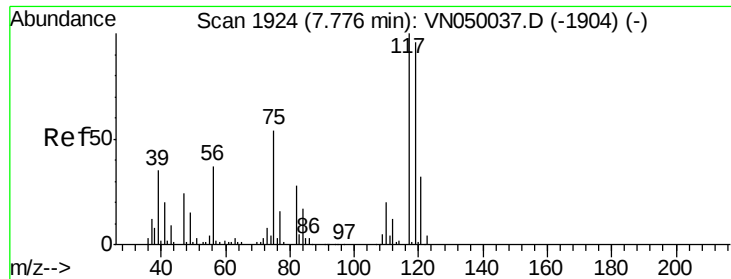
Tot Ion: 77 Resp: 188571
 Ion Ratio Lower Upper
 77 100
 97 24.7 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 20.32 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 97 Resp: 218702
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.2 76.8
 61 42.1 35.3 52.9

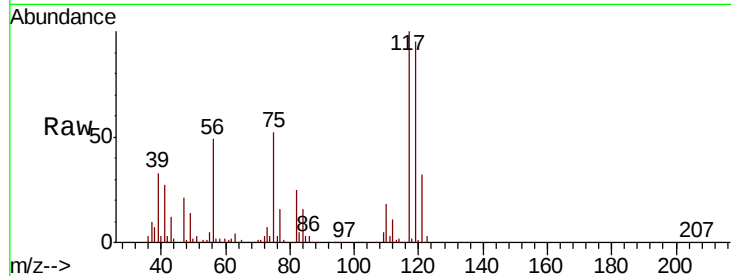




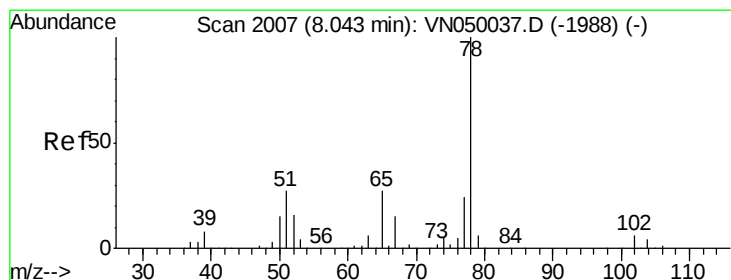
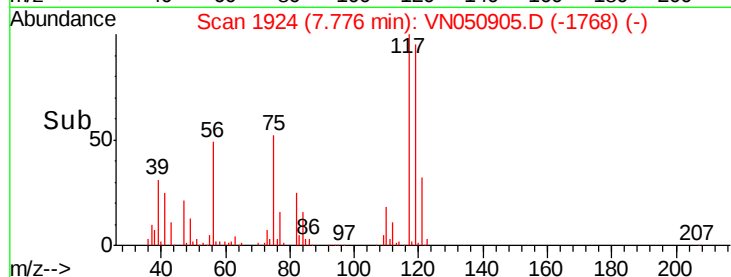
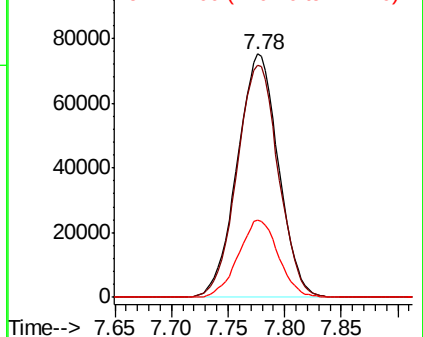
#33
Carbon Tetrachloride
Concen: 19.86 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

Tot Ion:117 Resp: 190465
Ion Ratio Lower Upper
117 100
119 95.5 76.9 115.3
121 31.6 24.4 36.6

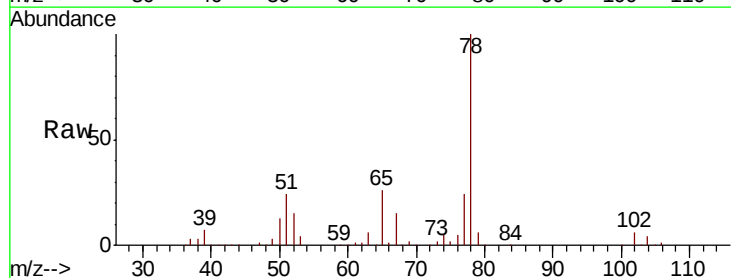


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

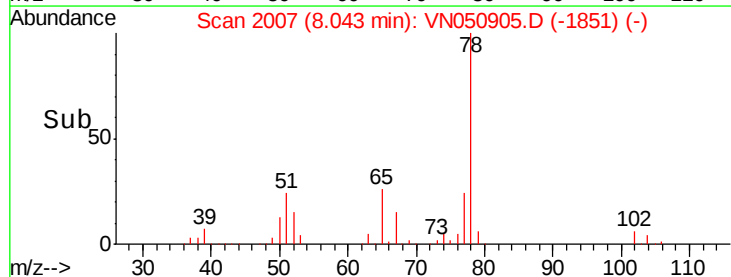
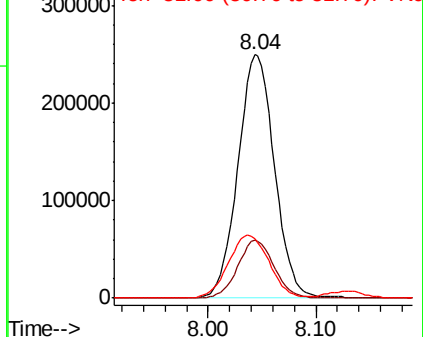


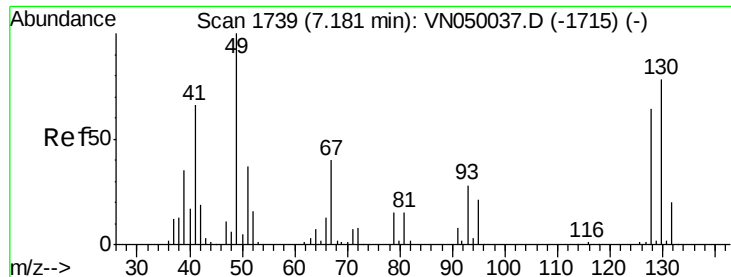
#34
Benzene
Concen: 21.14 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 78 Resp: 586966
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7
51 24.3 21.0 31.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

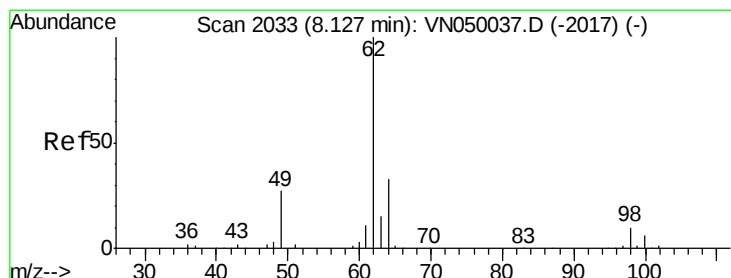
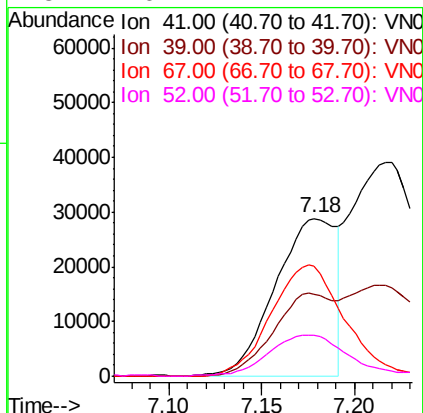
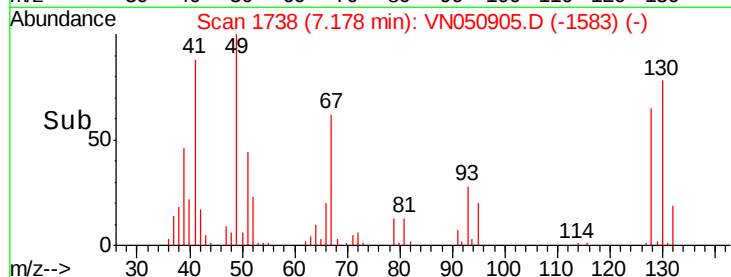
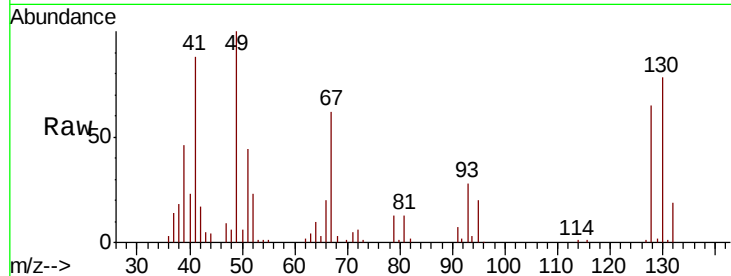




#35
Methacrylonitrile
Concen: 20.28 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

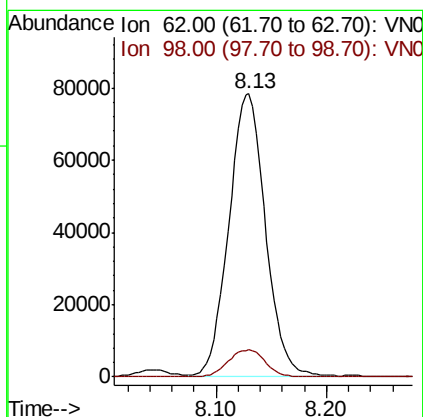
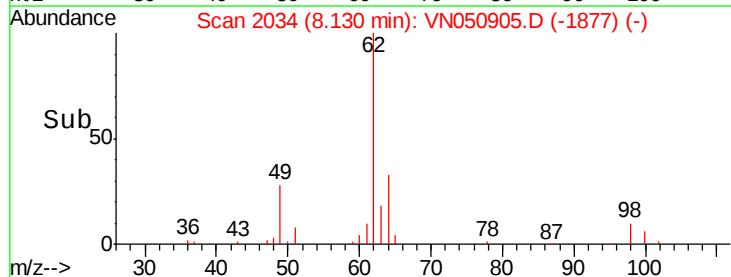
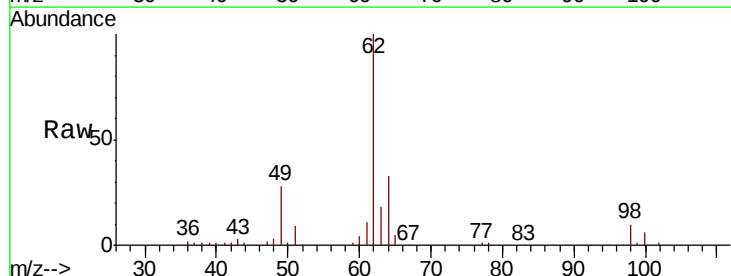
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

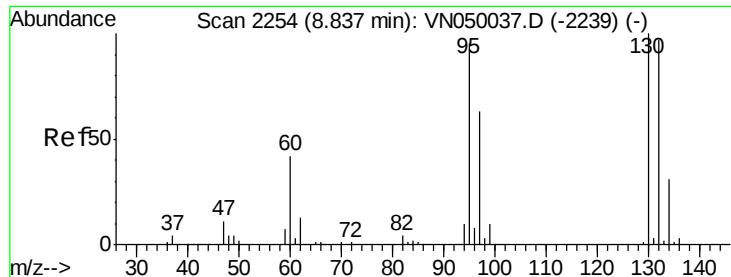
Tot Ion: 41 Resp: 66230
Ion Ratio Lower Upper
41 100
39 52.2 27.6 82.7
67 69.9 35.1 105.5
52 26.1 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.73 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 62 Resp: 179878
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.6

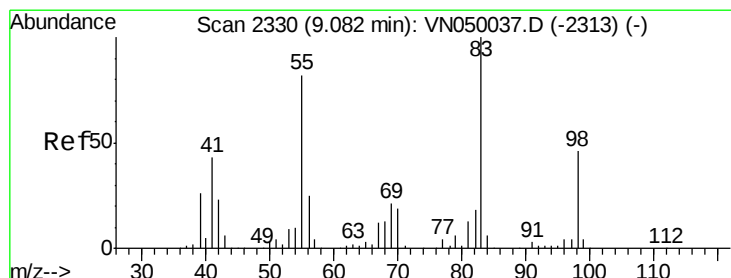
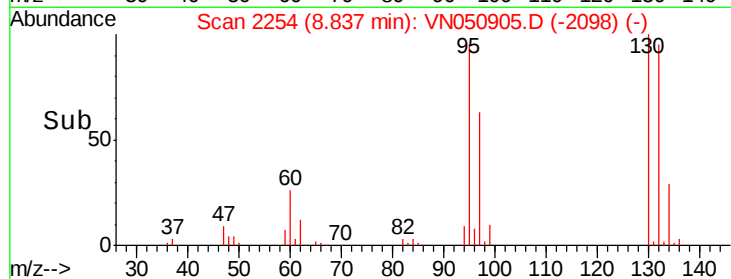
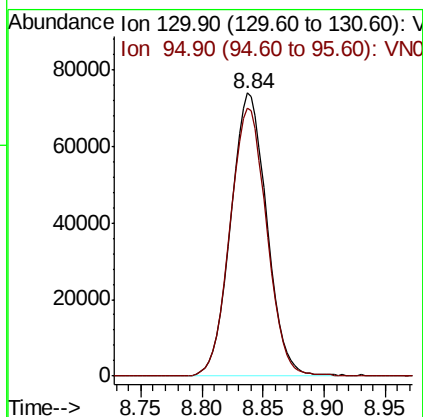
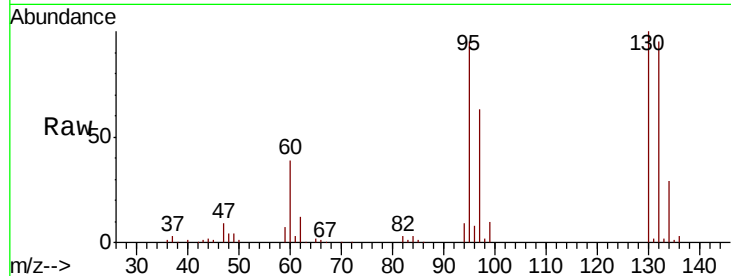




#37
 Trichloroethene
 Concen: 20.79 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

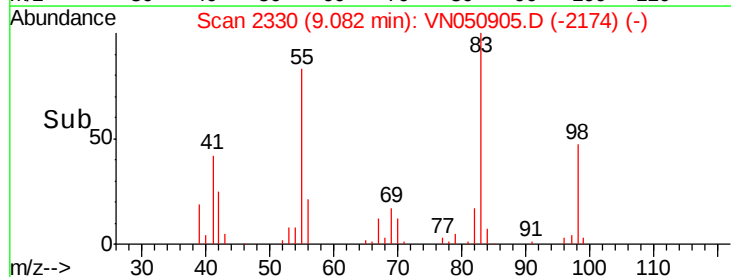
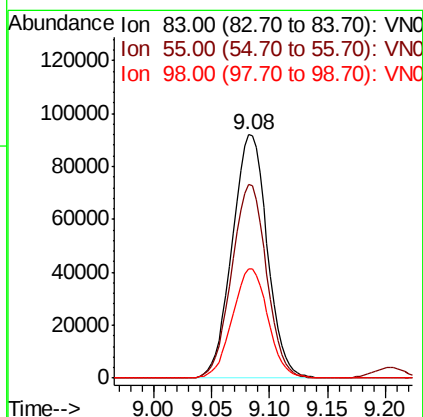
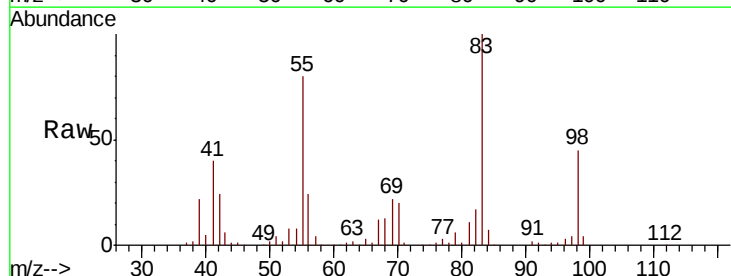
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

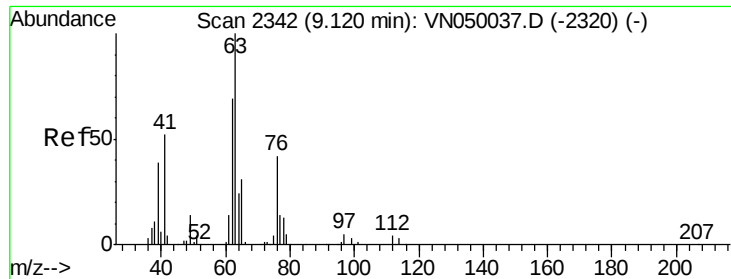
Tot Ion:130 Resp: 151396
 Ion Ratio Lower Upper
 130 100
 95 94.9 79.7 119.5



#38
 Methylcyclohexane
 Concen: 20.04 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion: 83 Resp: 193150
 Ion Ratio Lower Upper
 83 100
 55 79.0 39.3 117.8
 98 45.5 23.0 69.0





#39

1,2-Dichloropropane

Concen: 20.56 ug/l

RT: 9.12 min Scan# 2343

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

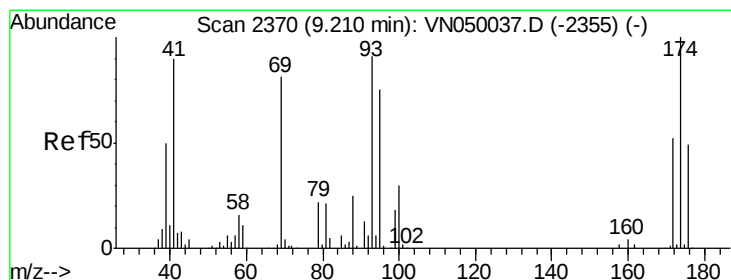
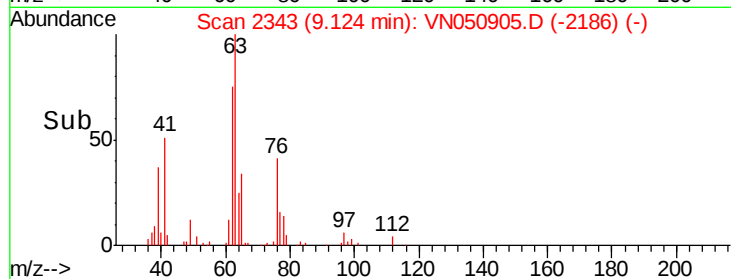
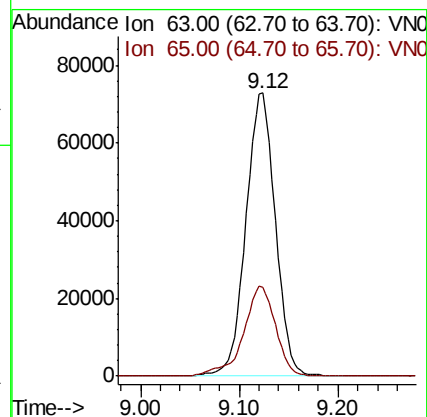
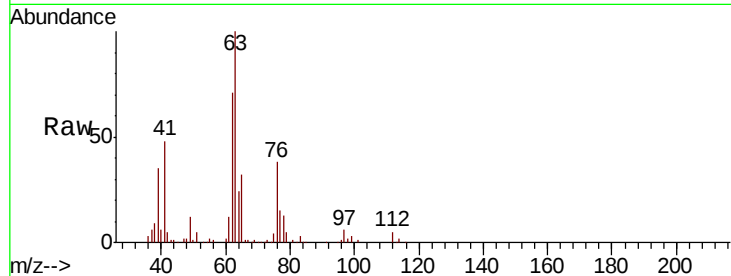
VN0827WBSD02

Tot Ion: 63 Resp: 150376

Ion Ratio Lower Upper

63 100

65 31.6 24.2 36.2



#40

Dibromomethane

Concen: 20.32 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

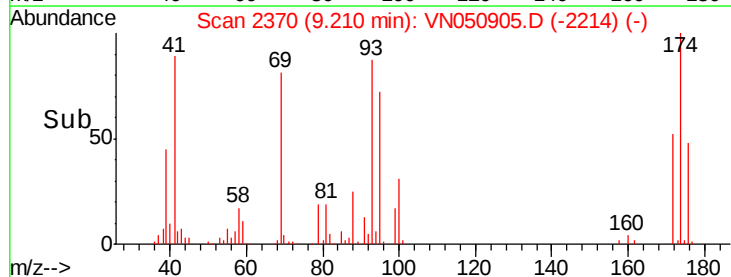
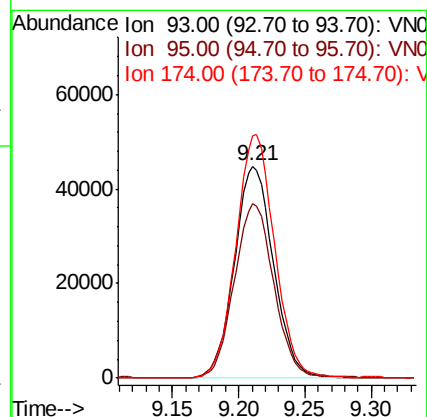
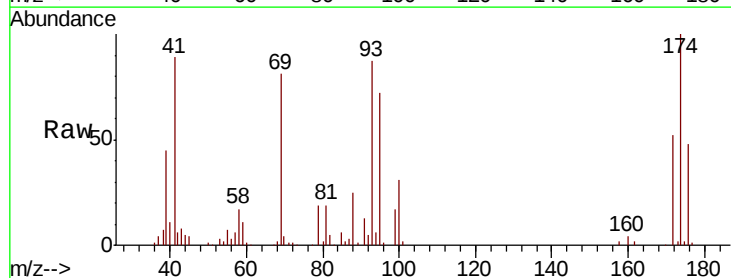
Tgt Ion: 93 Resp: 91856

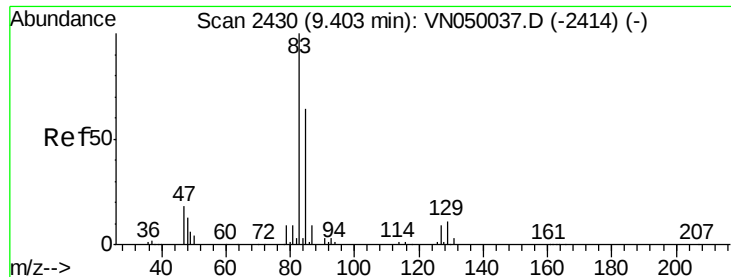
Ion Ratio Lower Upper

93 100

95 83.3 0.0 165.6

174 113.9 0.0 223.2





#41

Bromodichloromethane

Concen: 20.18 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

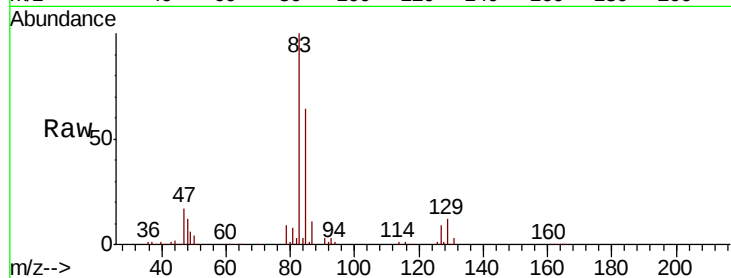
Tot Ion: 83 Resp: 192402

Ion Ratio Lower Upper

83 100

85 64.4 52.6 78.8

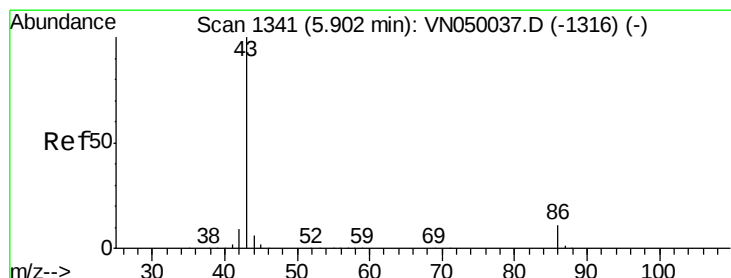
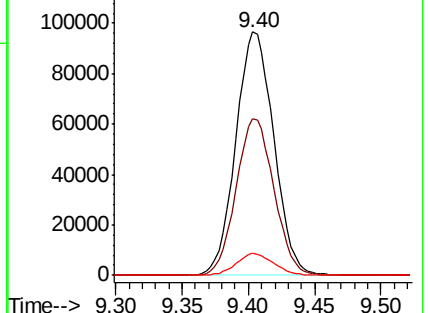
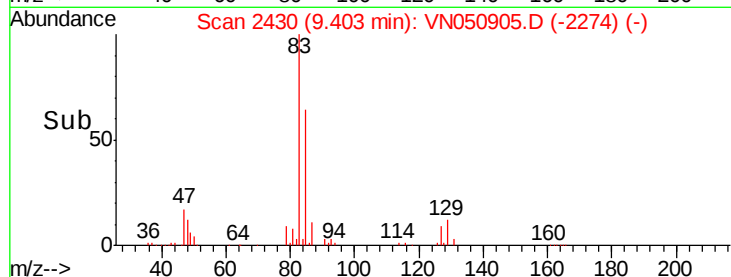
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 97.05 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050905.D

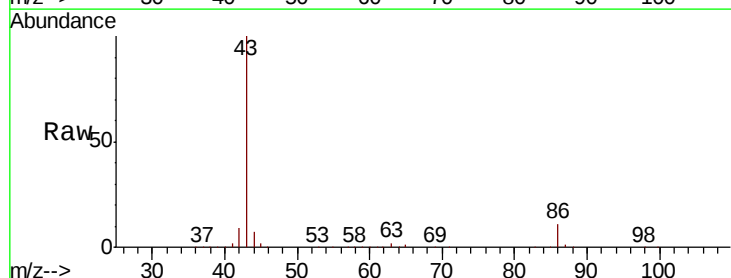
Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 1310157

Ion Ratio Lower Upper

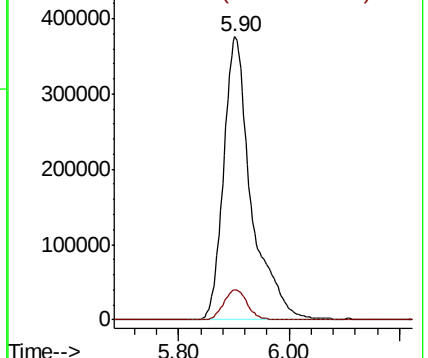
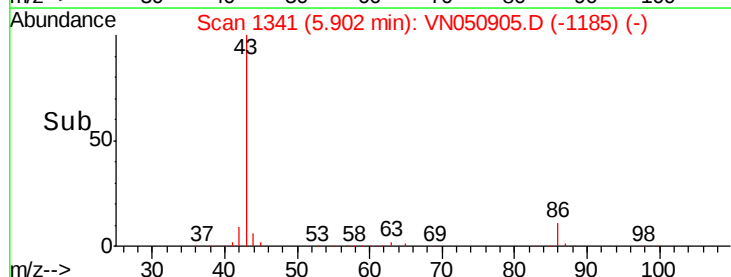
43 100

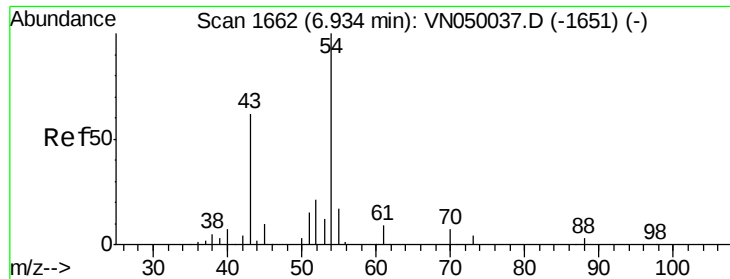
86 9.1 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 20.14 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleID :

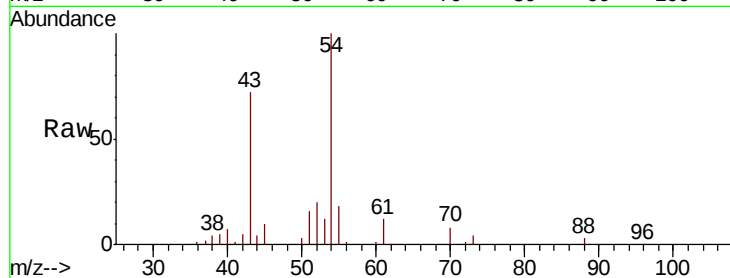
VN0827WBSD02

Tot Ion: 43 Resp: 120668

Ion Ratio Lower Upper

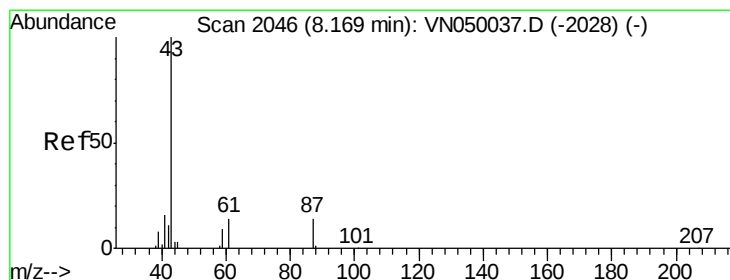
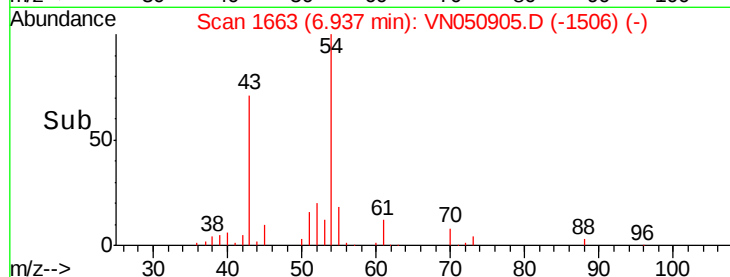
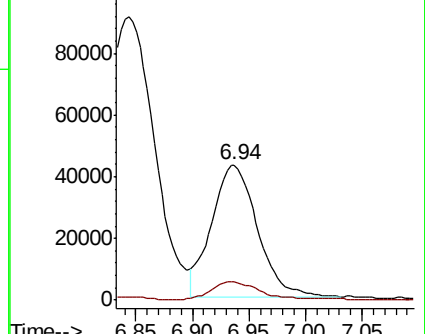
43 100

45 14.0 13.0 19.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.30 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050905.D

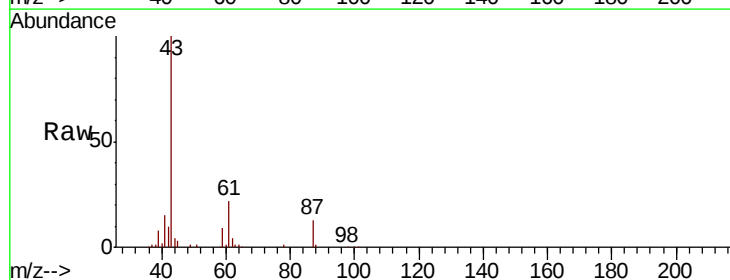
Acq: 27 Aug 2018 19:28

Tgt Ion: 43 Resp: 214209

Ion Ratio Lower Upper

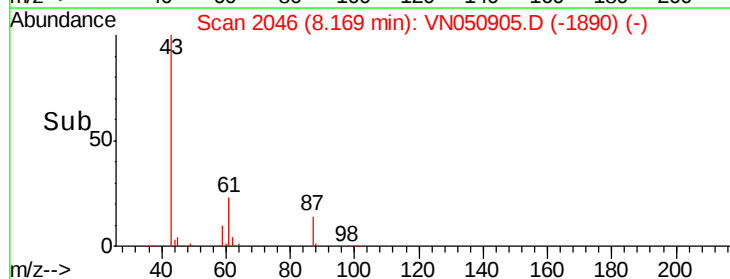
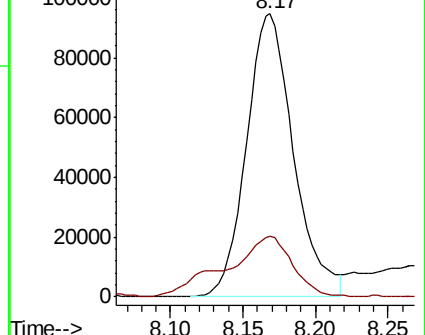
43 100

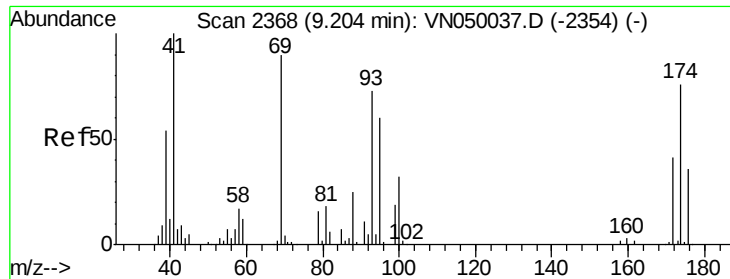
61 20.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 412.37 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

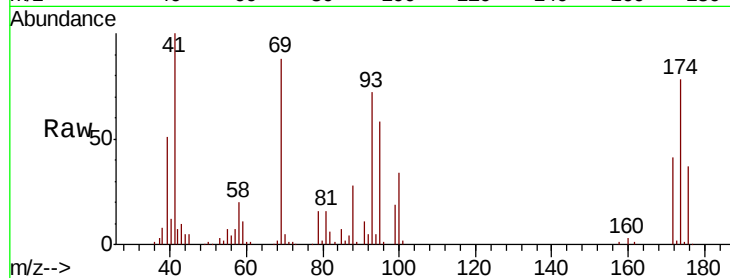
Tot Ion: 88 Resp: 30113

Ion Ratio Lower Upper

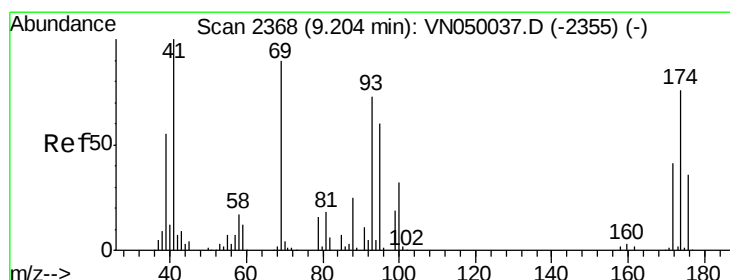
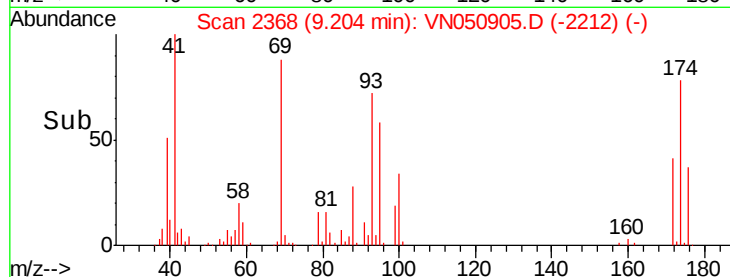
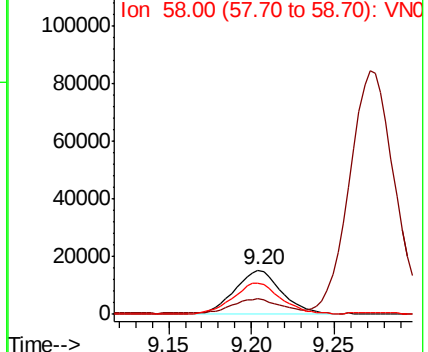
88 100

43 31.7 26.9 40.3

58 72.2 53.6 80.4



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



#46

Methyl methacrylate

Concen: 18.90 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

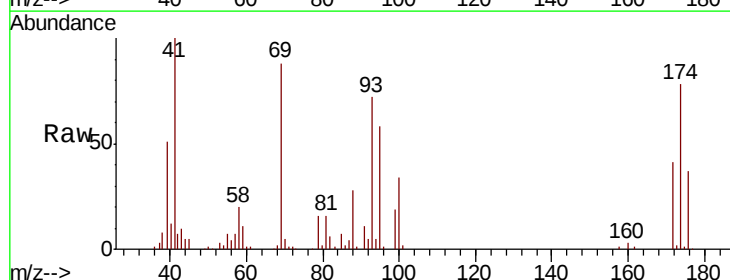
Tgt Ion: 41 Resp: 101692

Ion Ratio Lower Upper

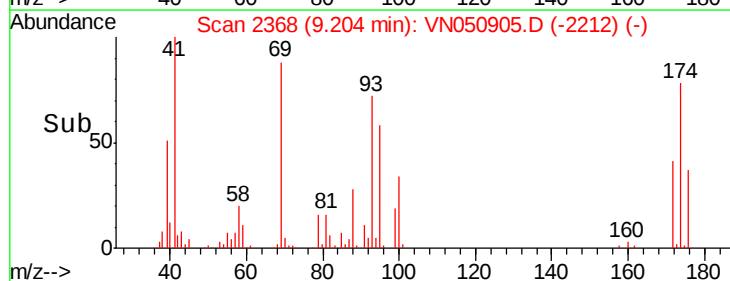
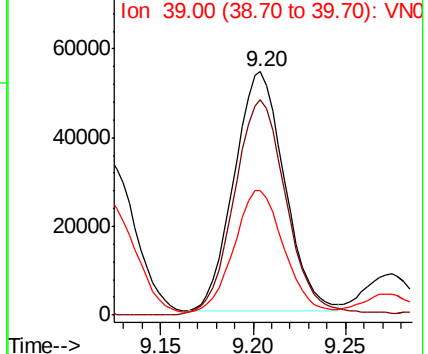
41 100

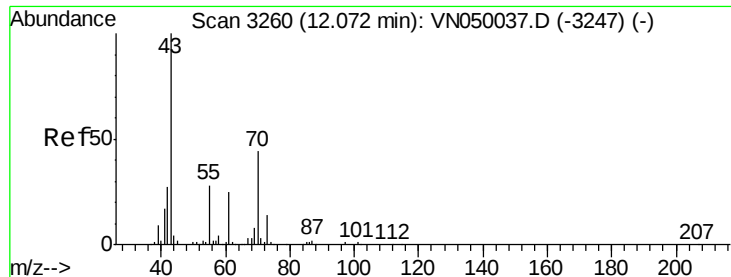
69 89.1 44.0 132.1

39 51.1 27.0 80.8



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

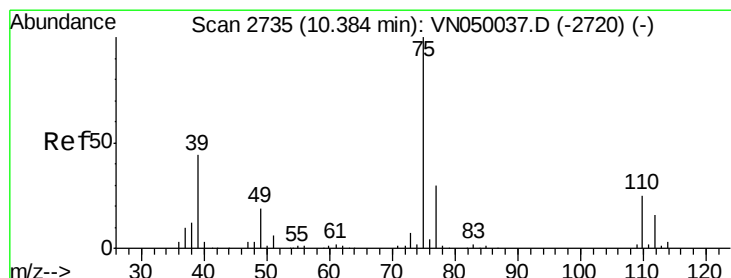
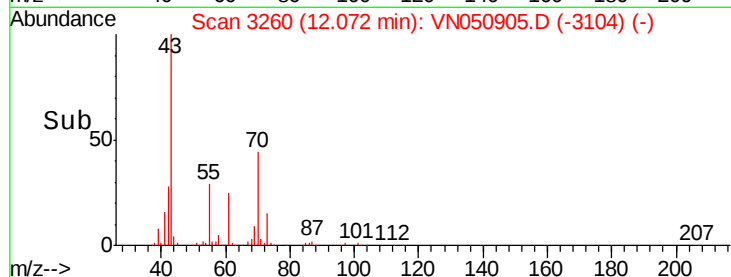
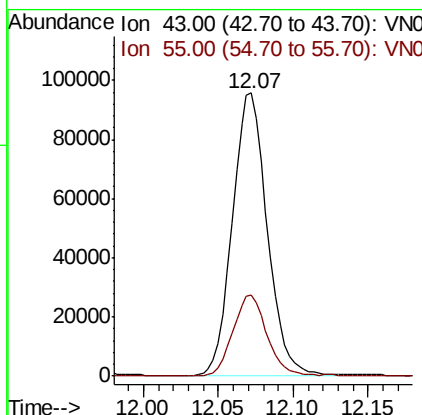
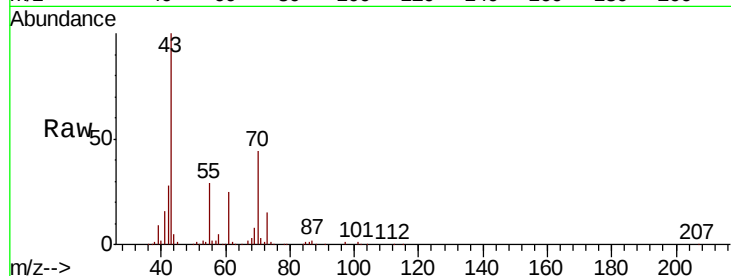




#47
n-amyl Acetate
Concen: 17.84 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

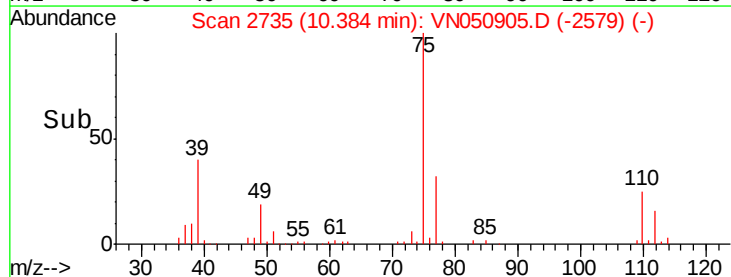
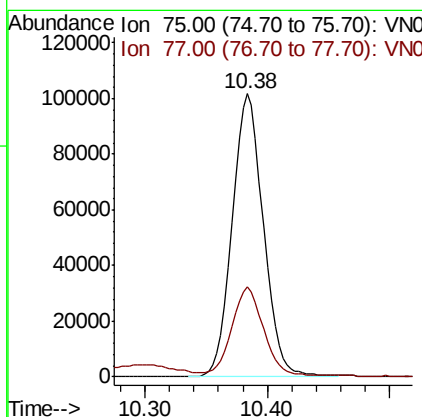
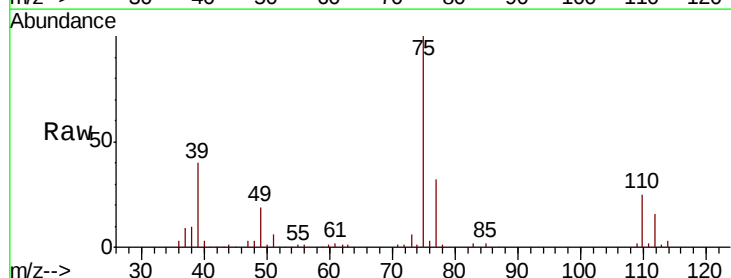
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

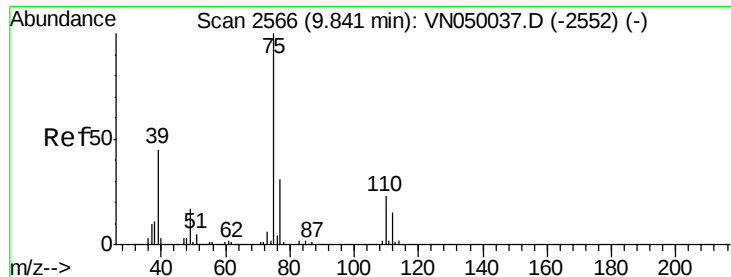
Tot Ion: 43 Resp: 154085
Ion Ratio Lower Upper
43 100
55 28.3 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 19.90 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 75 Resp: 180841
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.91 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

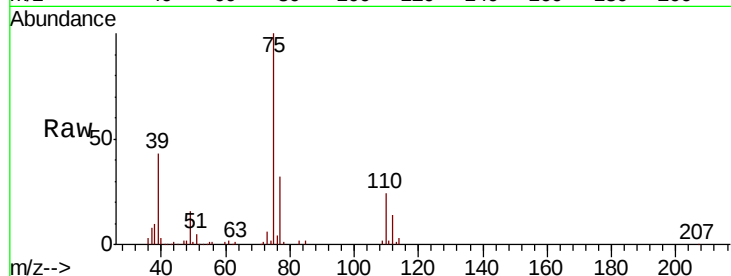
Tot Ion: 75 Resp: 212671

Ion Ratio Lower Upper

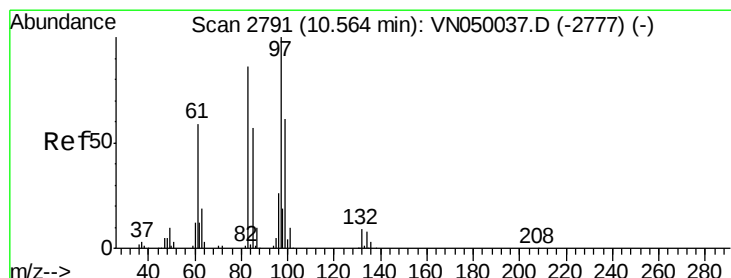
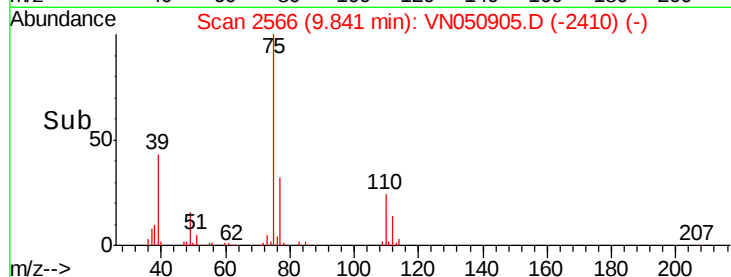
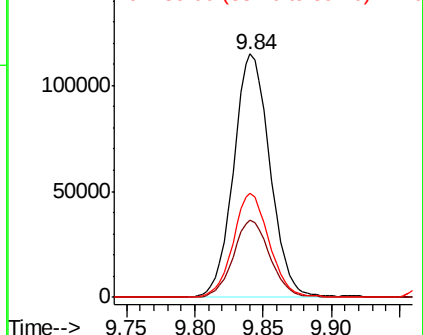
75 100

77 31.5 25.7 38.5

39 42.6 36.3 54.5



Abundance Ion 75.00 (74.70 to 75.70): VNC
Ion 77.00 (76.70 to 77.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



#50

1,1,2-Trichloroethane

Concen: 20.60 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Tgt Ion: 97 Resp: 133677

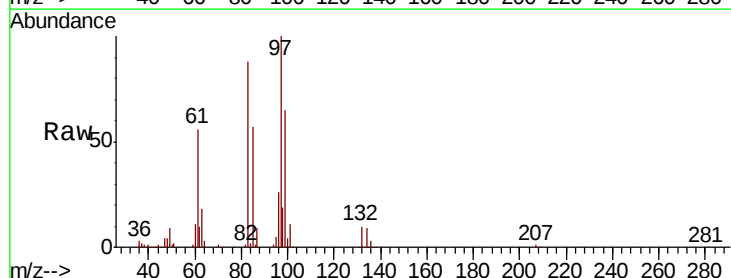
Ion Ratio Lower Upper

97 100

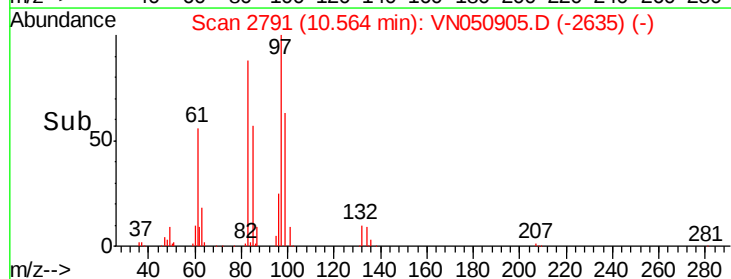
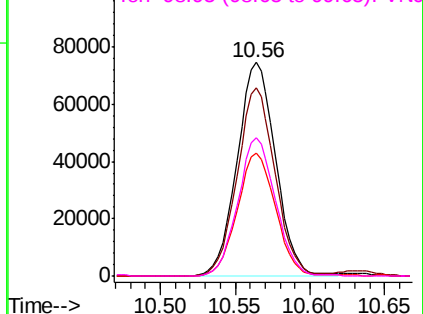
83 88.3 68.1 102.1

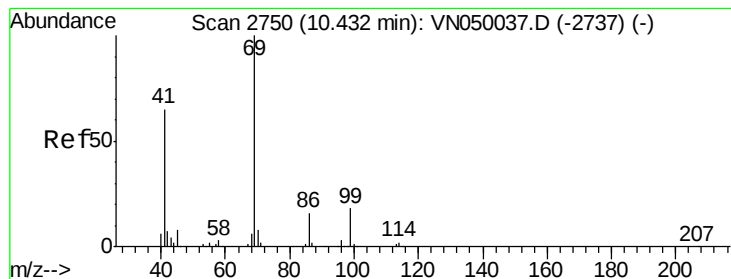
85 57.4 45.4 68.2

99 64.8 49.4 74.0



Abundance Ion 97.00 (96.70 to 97.70): VNC
Ion 82.95 (82.65 to 83.65): VNC
Ion 84.95 (84.65 to 85.65): VNC
Ion 98.95 (98.65 to 99.65): VNC





#51

Ethyl methacrylate

Concen: 19.20 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

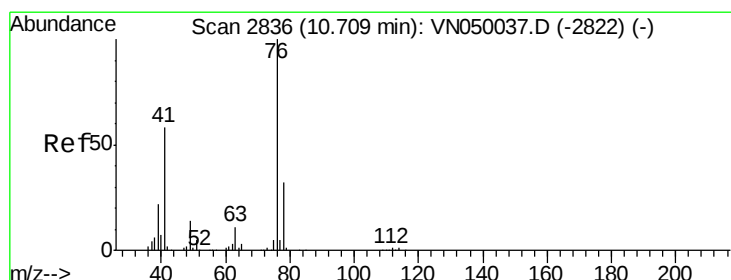
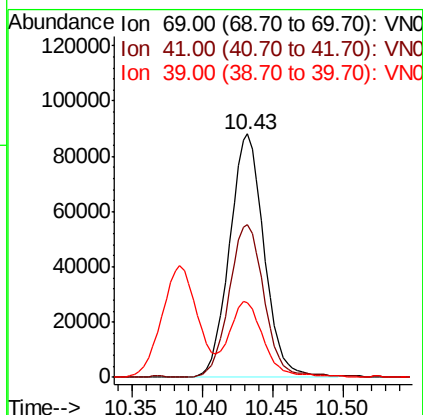
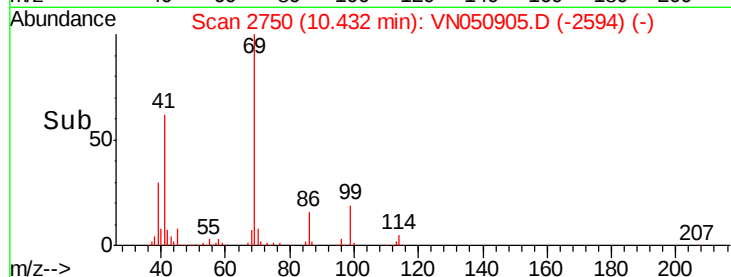
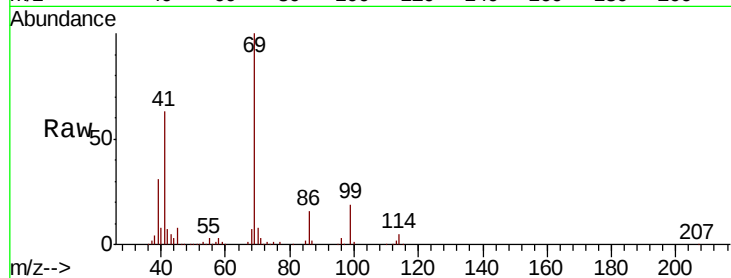
Tot Ion: 69 Resp: 151182

Ion Ratio Lower Upper

69 100

41 62.3 31.9 95.9

39 30.3 16.7 50.1



#52

1,3-Dichloropropane

Concen: 20.58 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050905.D

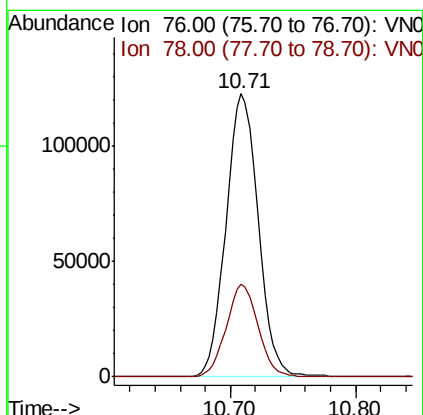
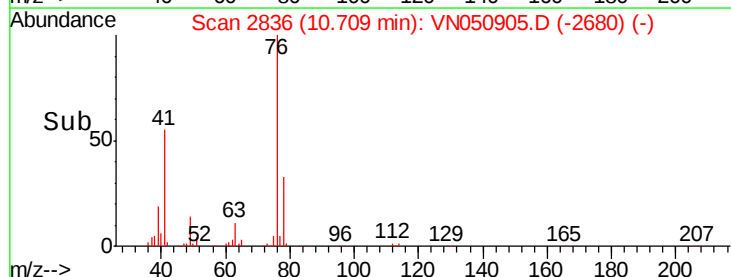
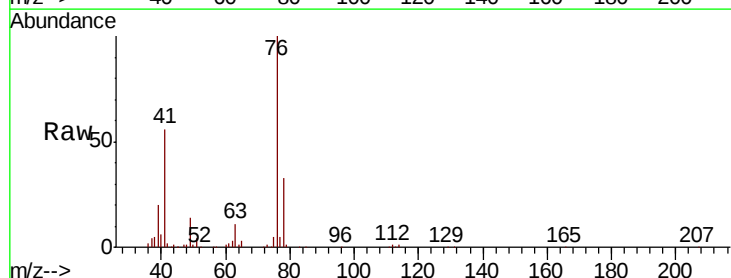
Acq: 27 Aug 2018 19:28

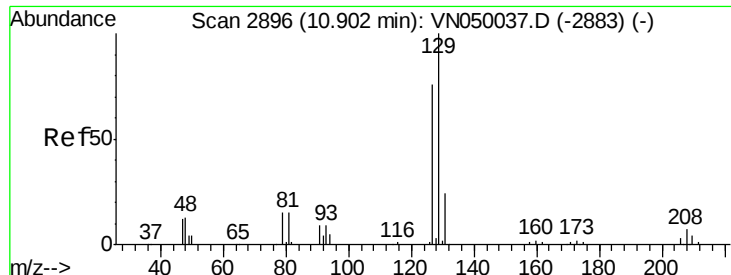
Tgt Ion: 76 Resp: 219274

Ion Ratio Lower Upper

76 100

78 32.3 0.0 65.6

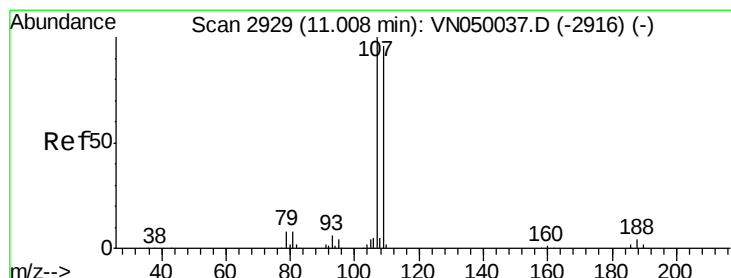
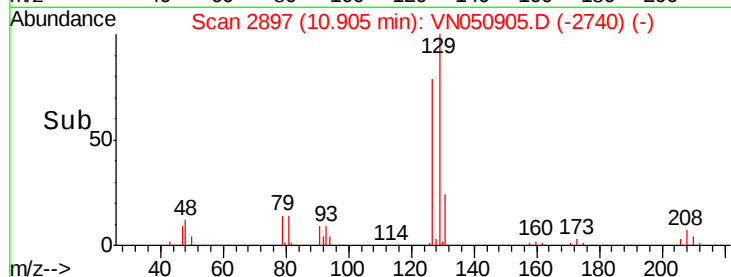
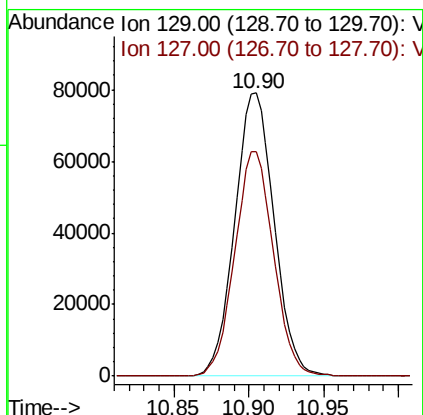
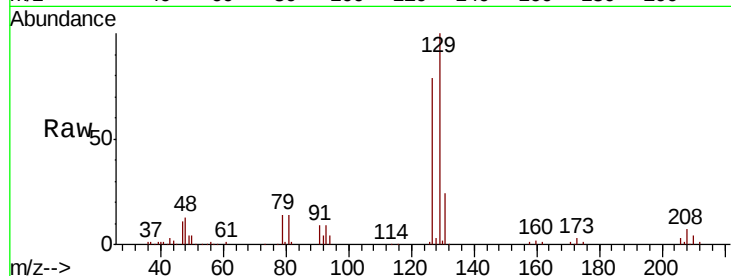




#53
 Dibromochloromethane
 Concen: 19.70 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

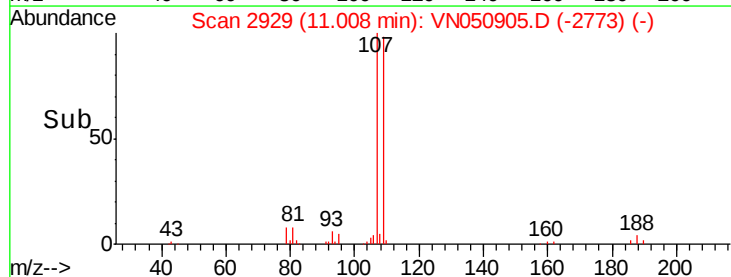
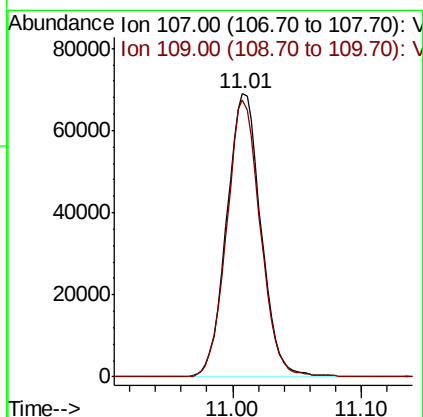
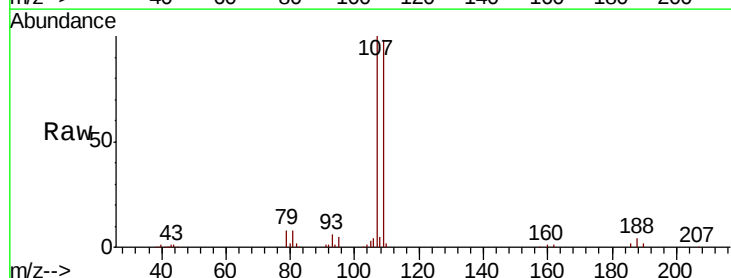
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

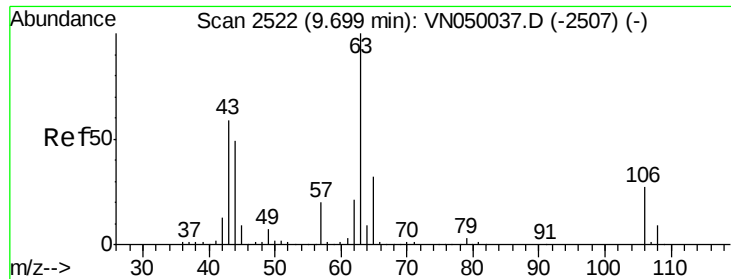
Tot Ion:129 Resp: 145047
 Ion Ratio Lower Upper
 129 100
 127 78.1 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 20.01 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion:107 Resp: 127141
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.2 114.2

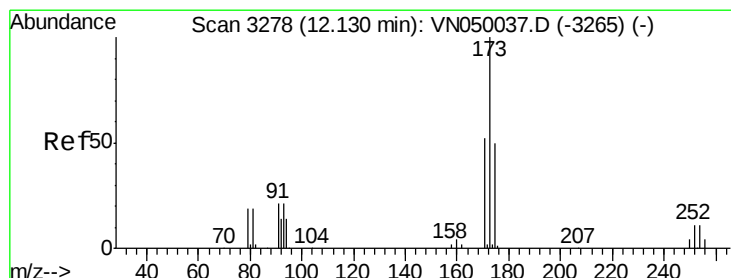
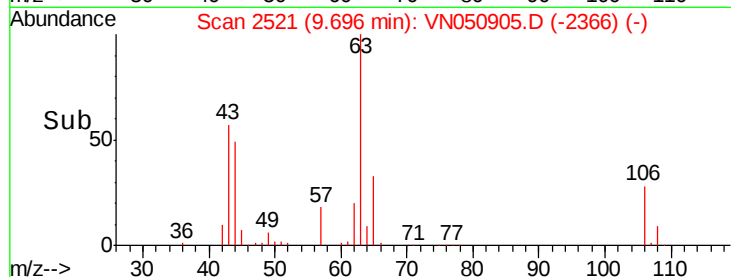
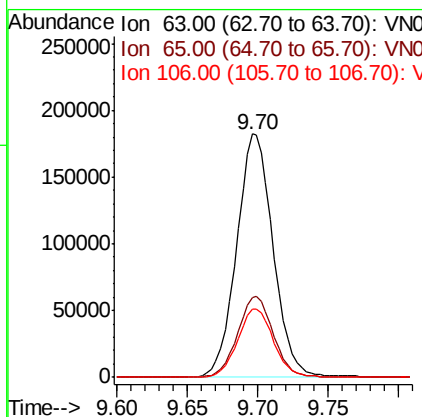
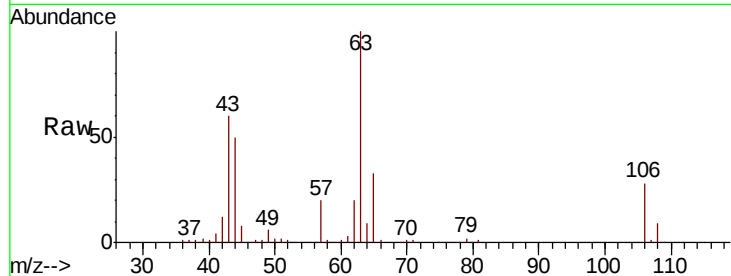




#55
2-Chloroethyl vinyl ether
Concen: 92.59 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

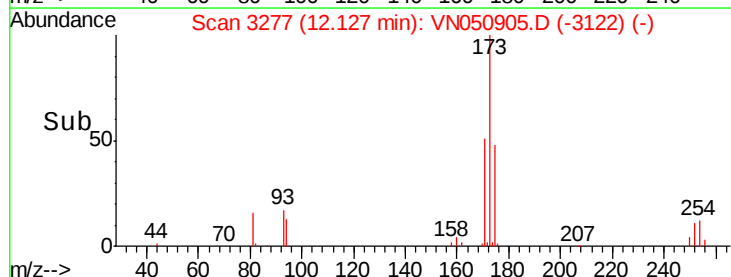
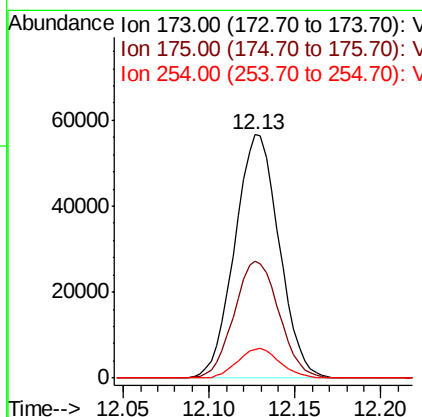
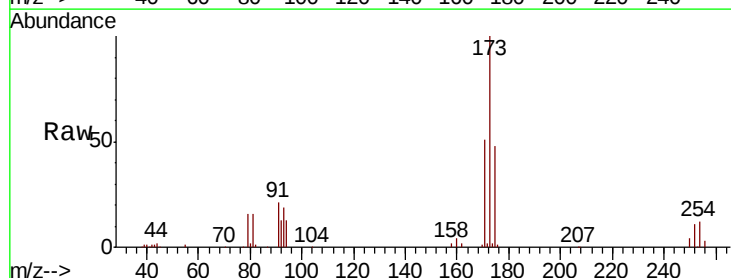
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

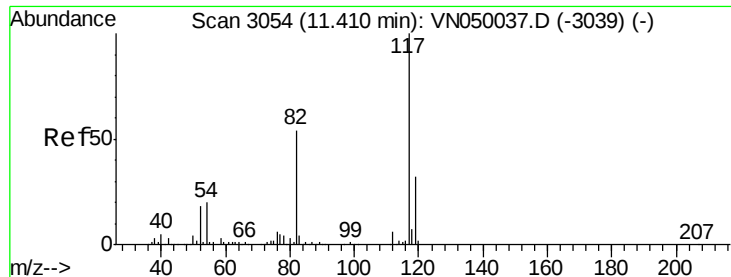
Tot Ion: 63 Resp: 330029
Ion Ratio Lower Upper
63 100
65 32.7 25.5 38.3
106 27.9 21.8 32.6



#56
Bromoform
Concen: 19.53 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 173 Resp: 101550
Ion Ratio Lower Upper
173 100
175 48.6 38.6 57.8
254 11.6 8.8 13.2

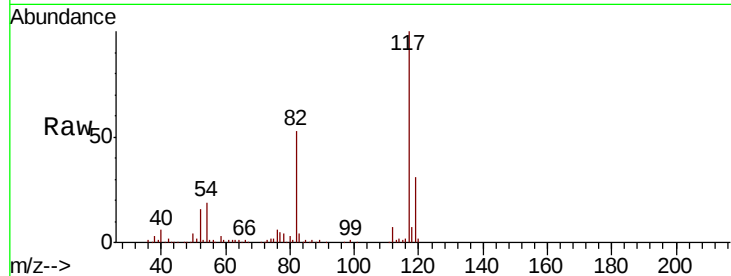




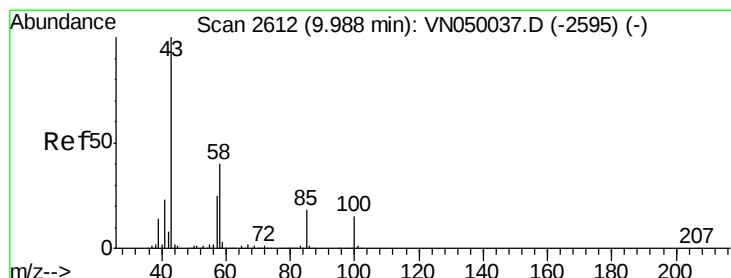
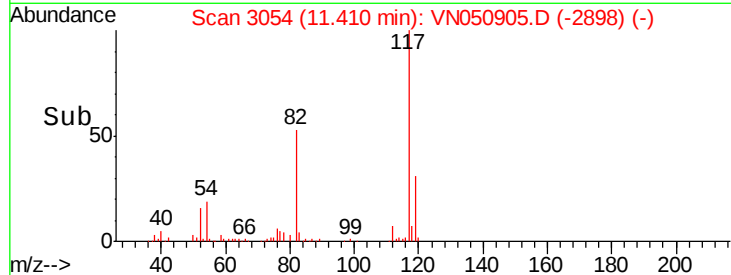
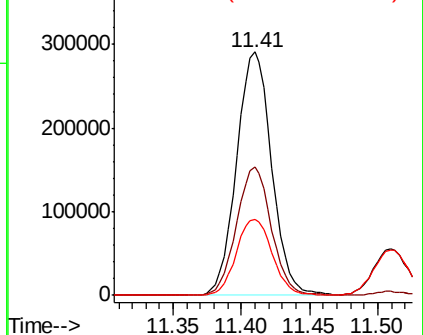
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.4	63.6
119	32.1	25.4	38.0

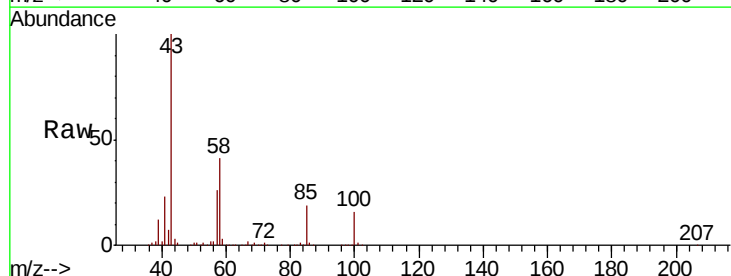


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

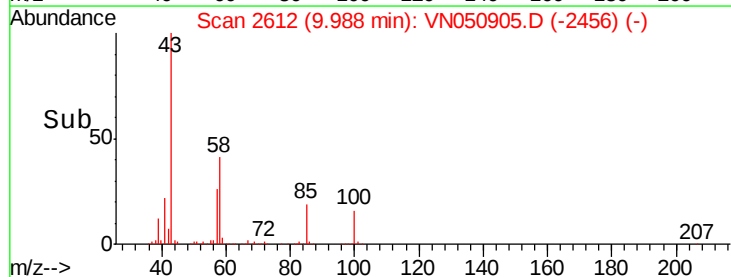
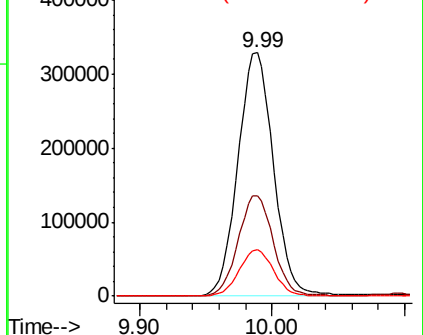


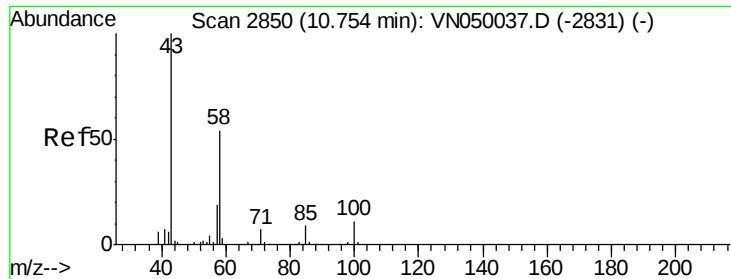
#58
4-Methyl-2-Pentanone
Concen: 101.19 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.2	46.8
85	18.6	14.4	21.6



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

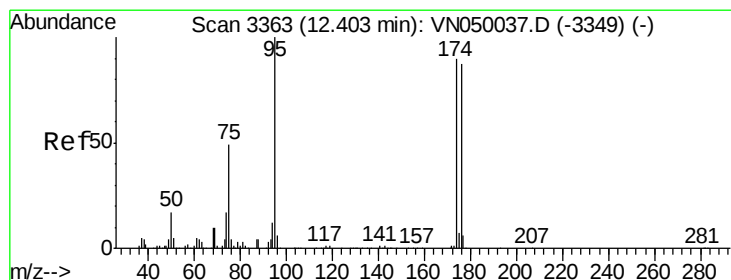
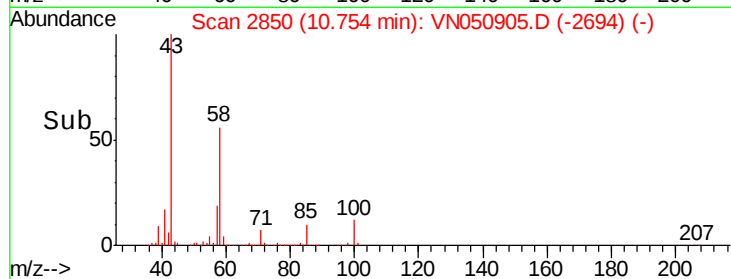
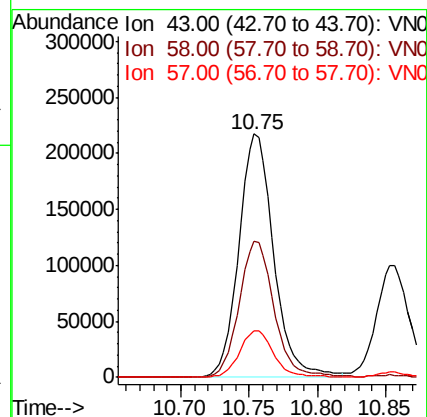
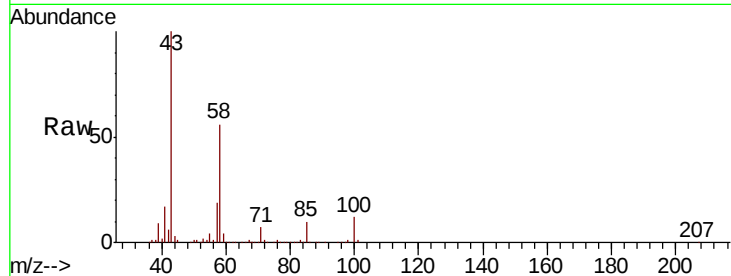




#59
2-Hexanone
Concen: 93.03 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

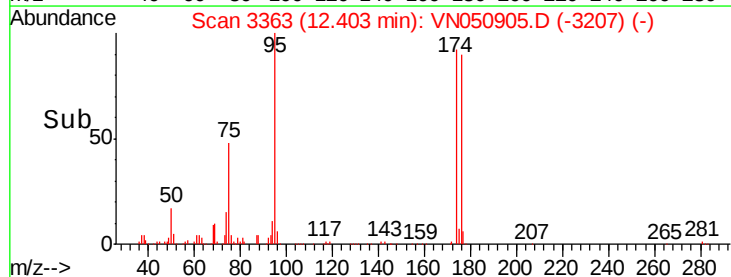
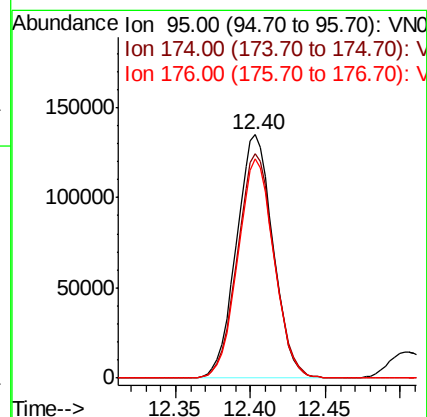
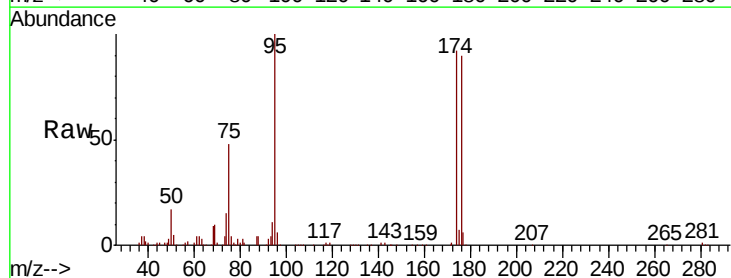
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

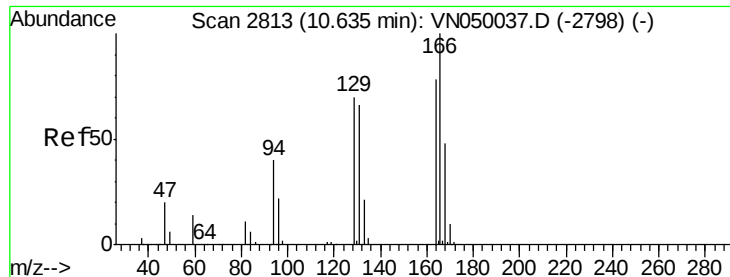
Tot Ion	43	Resp	383766
Ion Ratio	Lower	Upper	
43	100		
58	56.5	43.8	65.8
57	18.7	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 28.76 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion	95	Resp	229580
Ion Ratio	Lower	Upper	
95	100		
174	92.4	72.3	108.5
176	89.0	70.0	105.0





#61

Tetrachloroethene

Concen: 19.89 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

Tot Ion:164 Resp: 140018

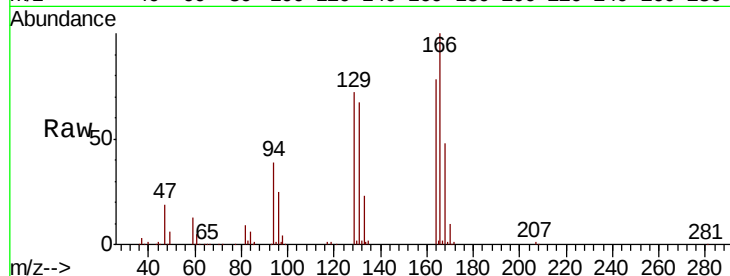
Ion Ratio Lower Upper

164 100

166 127.7 100.0 150.0

129 91.7 69.3 103.9

131 86.1 68.8 103.2

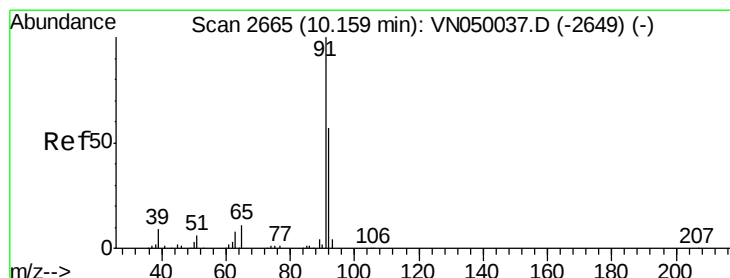
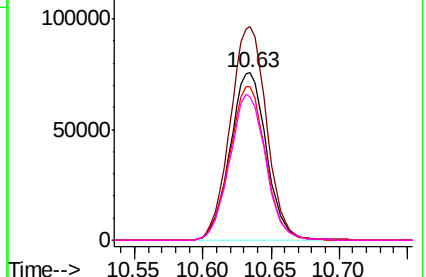
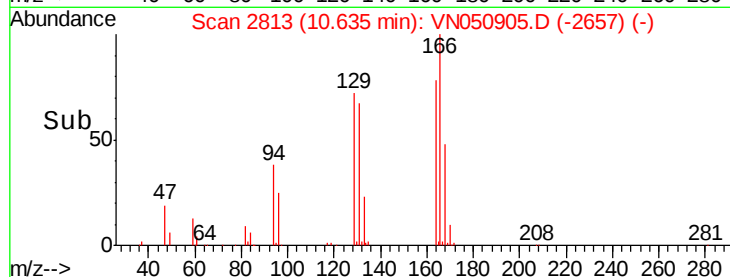


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.96 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050905.D

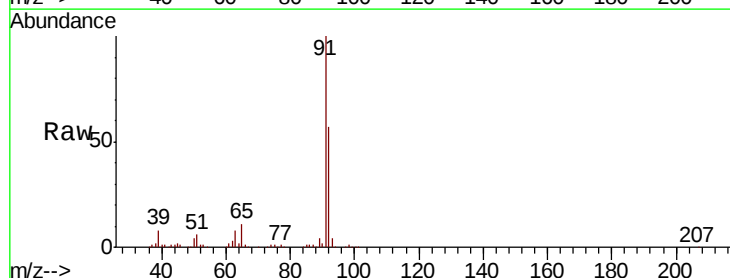
Acq: 27 Aug 2018 19:28

Tgt Ion: 91 Resp: 621415

Ion Ratio Lower Upper

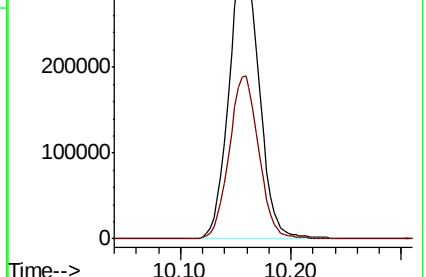
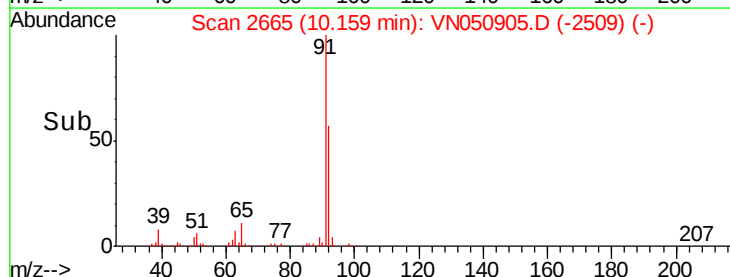
91 100

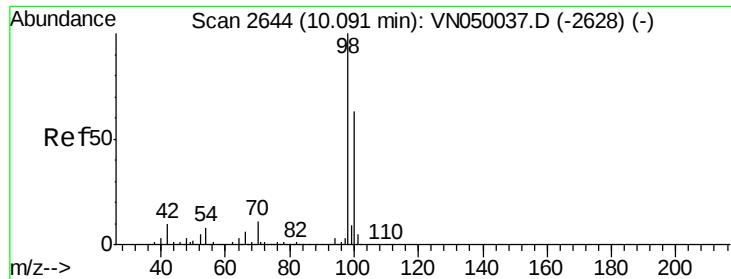
92 57.0 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

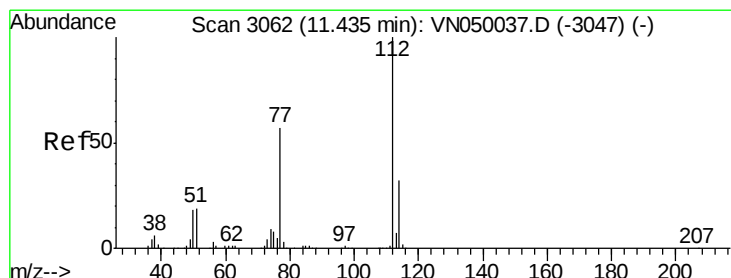
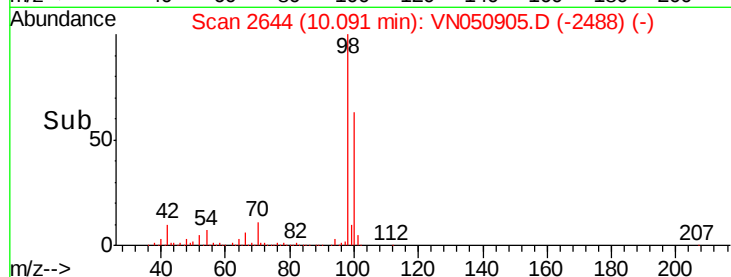
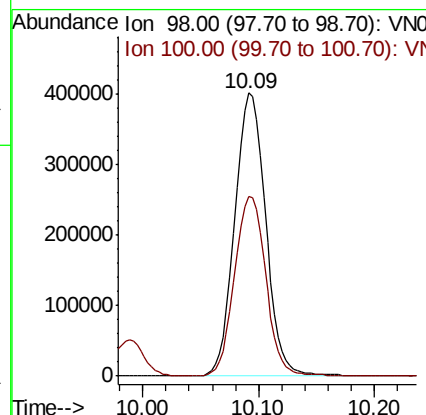
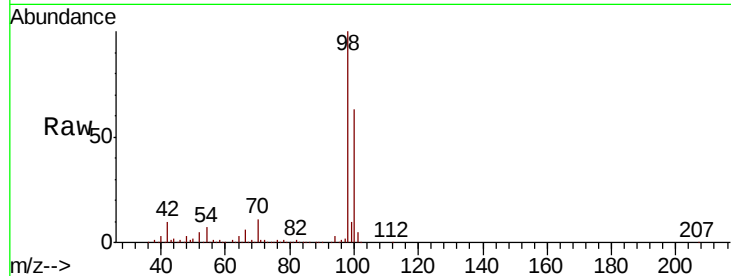




#63
Toluene-d8
Concen: 29.85 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

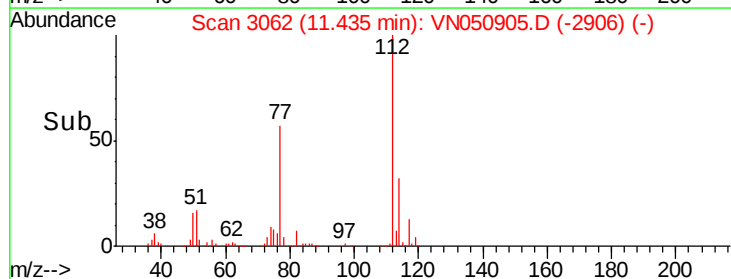
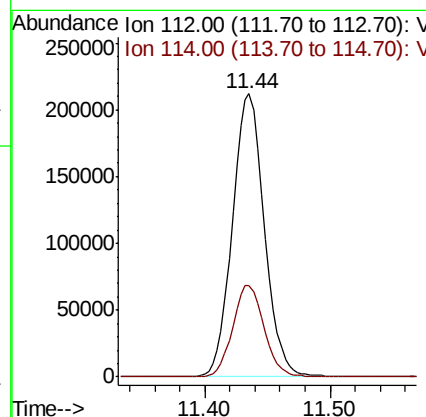
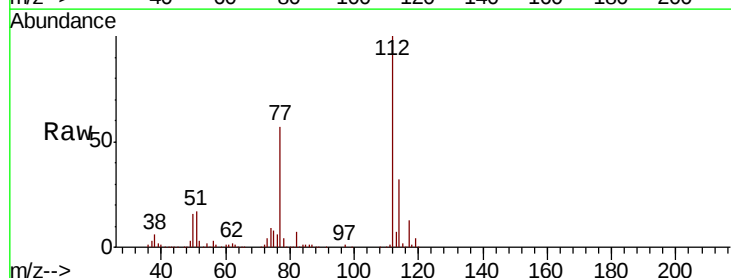
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

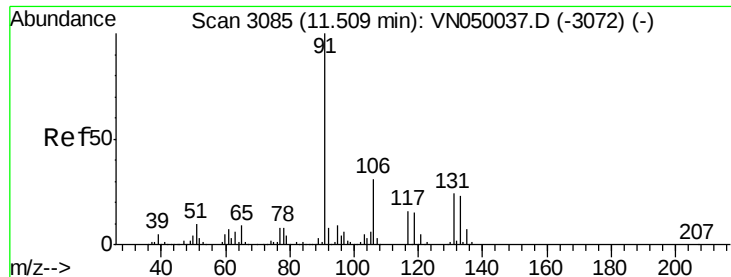
Tot Ion: 98 Resp: 740917
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#64
Chlorobenzene
Concen: 20.83 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion: 112 Resp: 374521
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.72 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

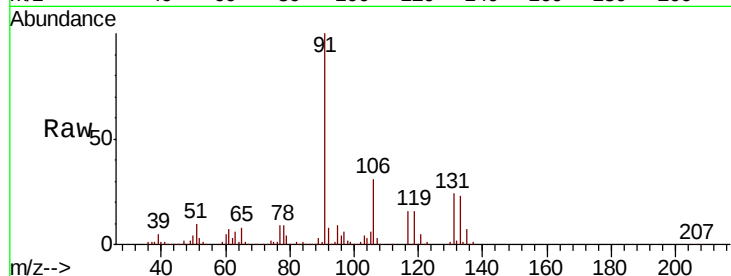
Tot Ion:131 Resp: 145276

Ion Ratio Lower Upper

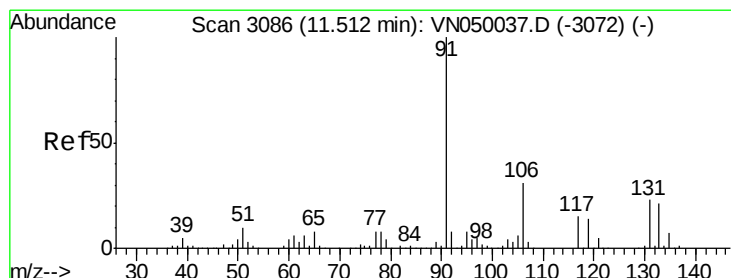
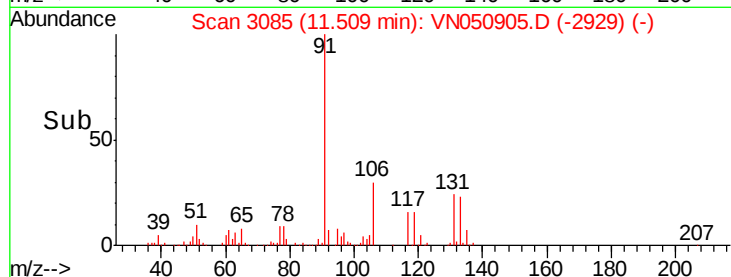
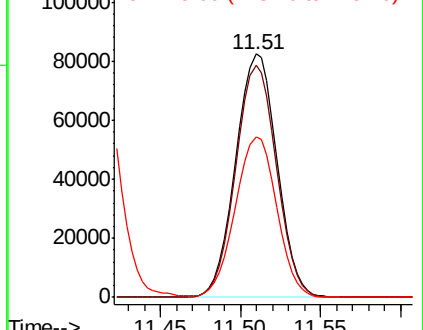
131 100

133 94.3 0.0 190.0

119 66.2 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.23 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050905.D

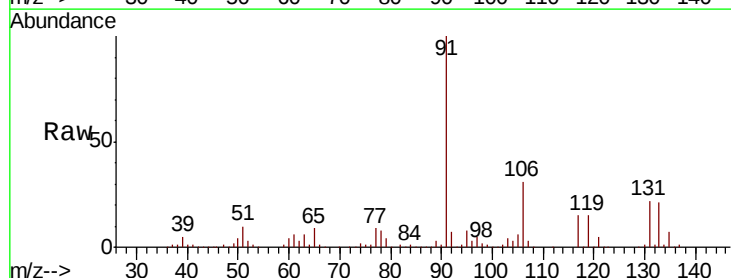
Acq: 27 Aug 2018 19:28

Tgt Ion: 91 Resp: 612902

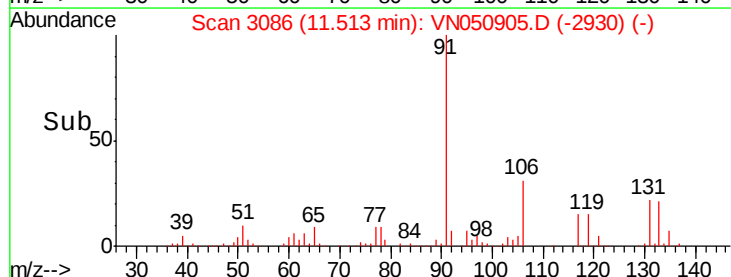
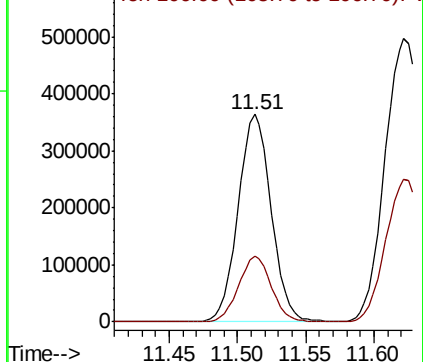
Ion Ratio Lower Upper

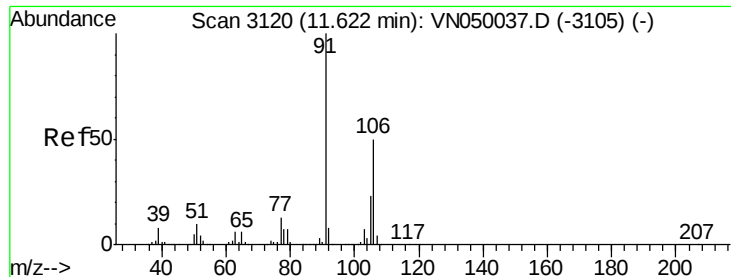
91 100

106 31.4 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.45 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

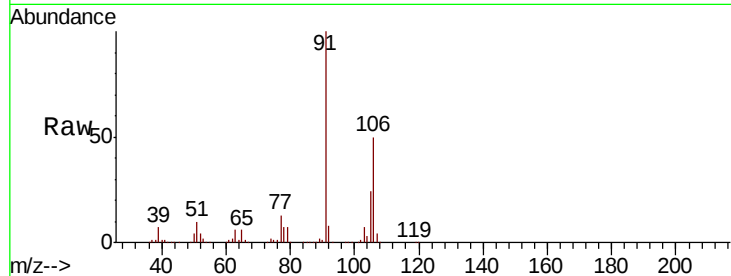
VN0827WBSD02

Tot Ion:106 Resp: 483296

Ion Ratio Lower Upper

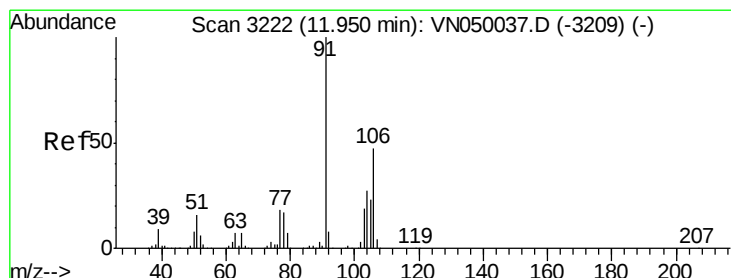
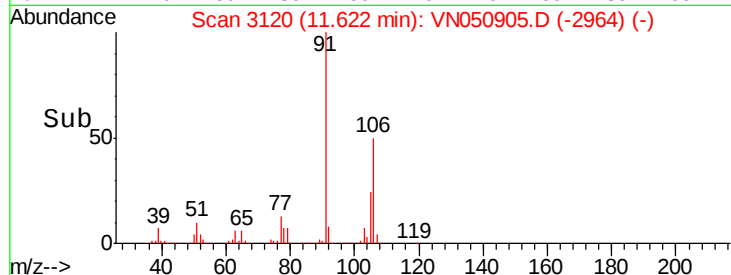
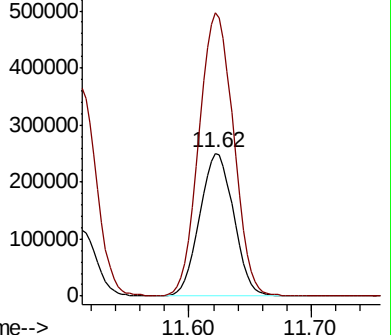
106 100

91 202.4 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.70 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050905.D

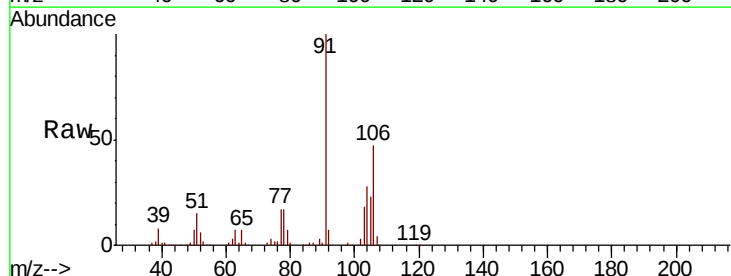
Acq: 27 Aug 2018 19:28

Tgt Ion:106 Resp: 229619

Ion Ratio Lower Upper

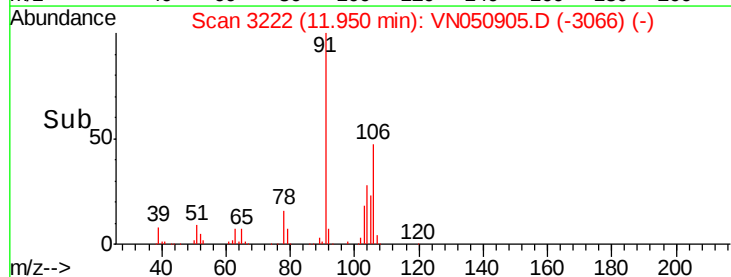
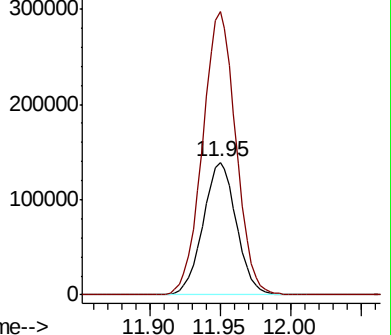
106 100

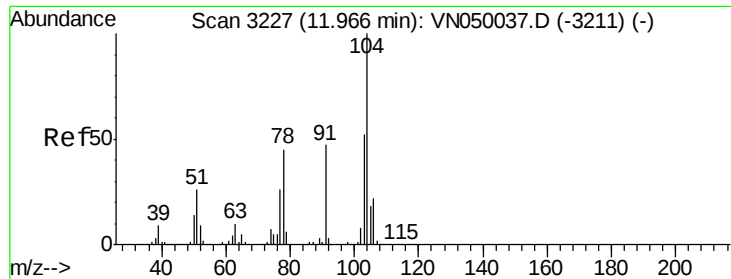
91 213.9 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 20.17 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

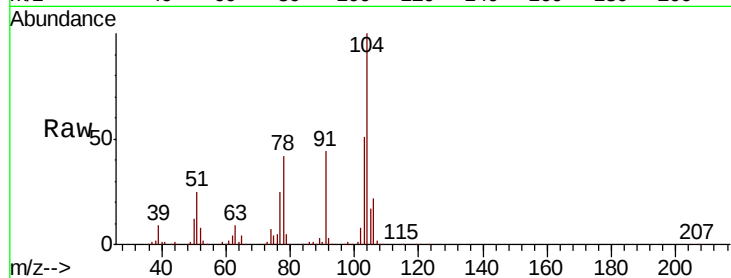
Tot Ion:104 Resp: 358689

Ion Ratio Lower Upper

104 100

78 48.0 39.3 58.9

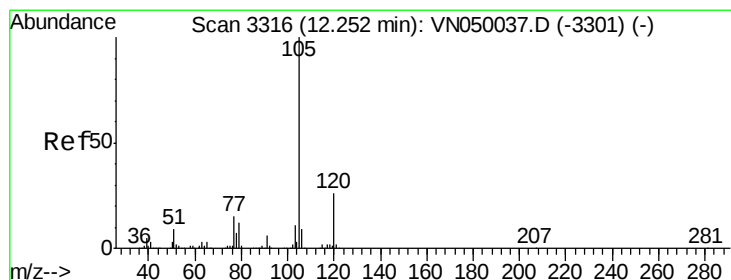
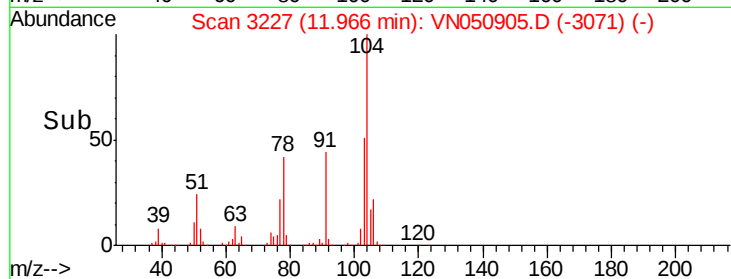
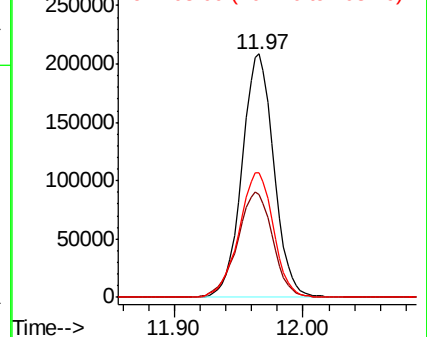
103 55.7 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.64 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050905.D

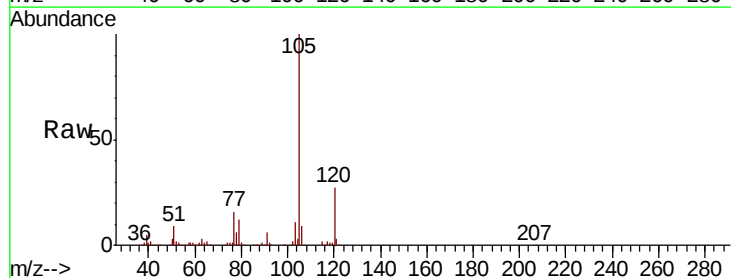
Acq: 27 Aug 2018 19:28

Tgt Ion:105 Resp: 609994

Ion Ratio Lower Upper

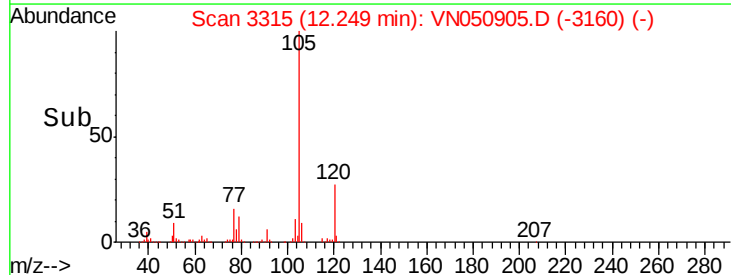
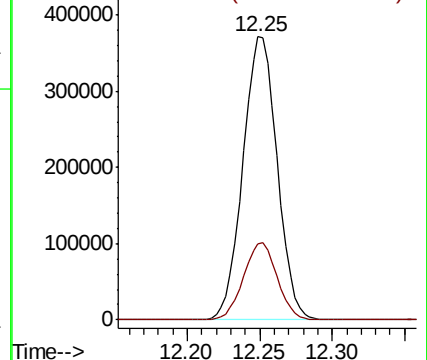
105 100

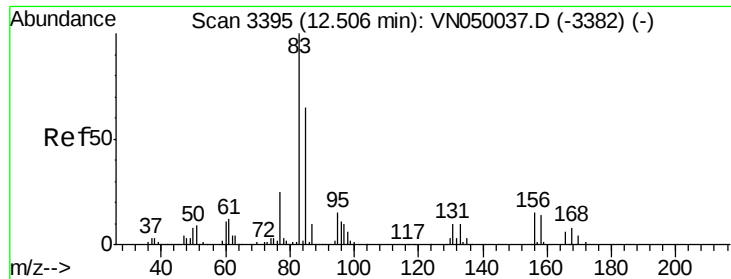
120 27.0 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

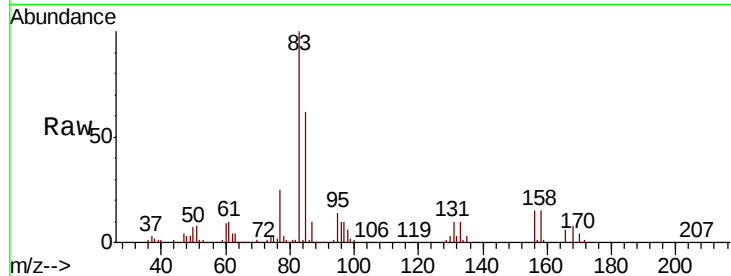




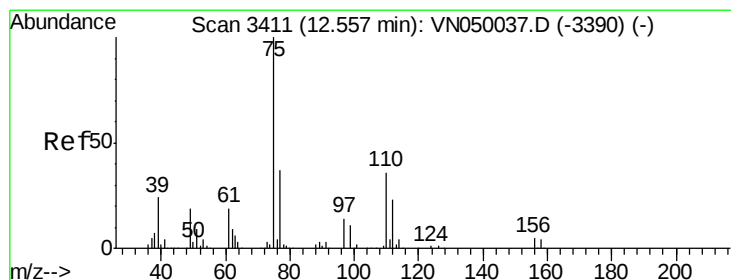
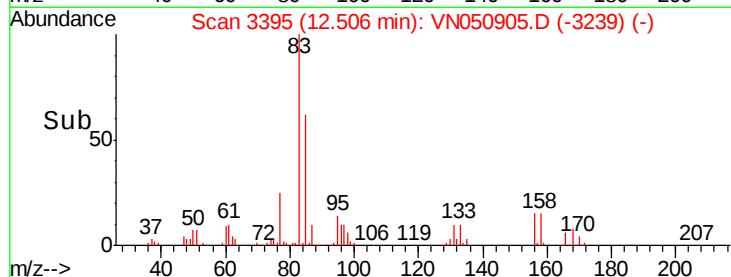
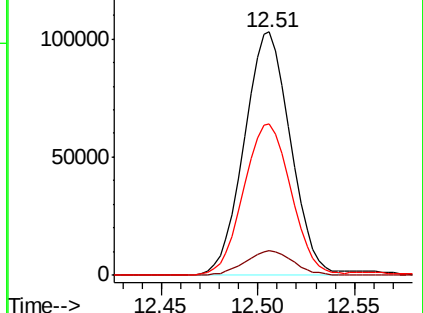
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.13 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

Tot Ion	83	Resp	171449
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	63.8	31.7	95.1

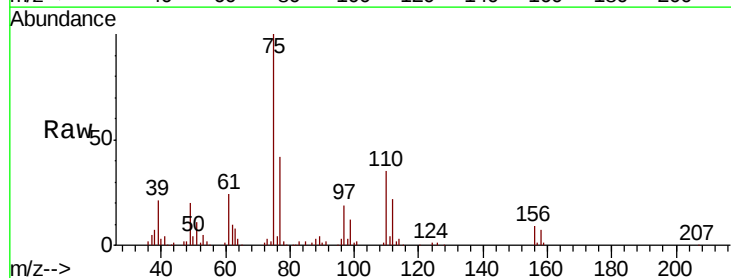


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

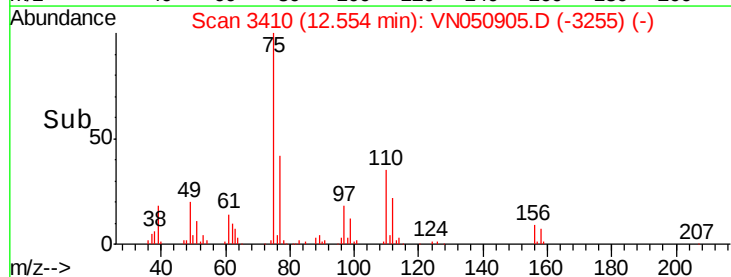
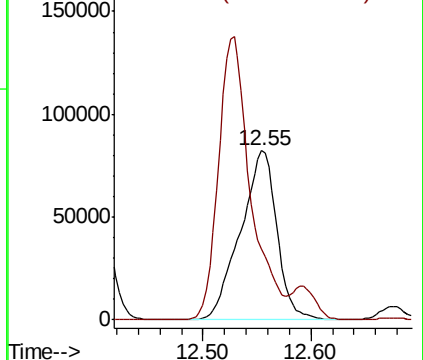


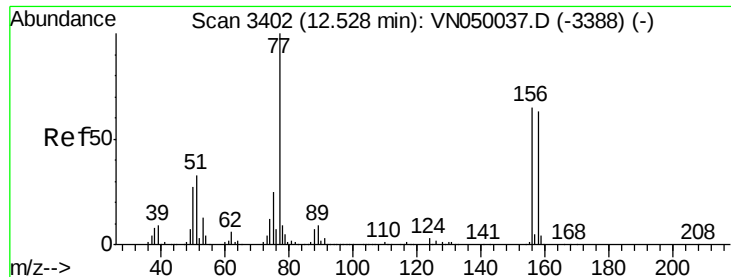
#72
 1,2,3-Trichloropropane
 Concen: 27.91 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion	75	Resp	193349
Ion Ratio	Lower	Upper	
75	100		
77	147.1	0.0	454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.09 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

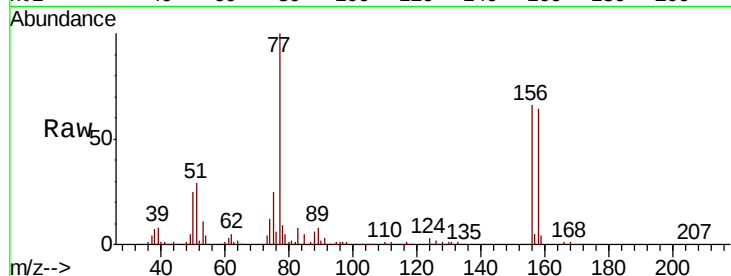
Tot Ion:156 Resp: 158104

Ion Ratio Lower Upper

156 100

77 179.8 0.0 359.8

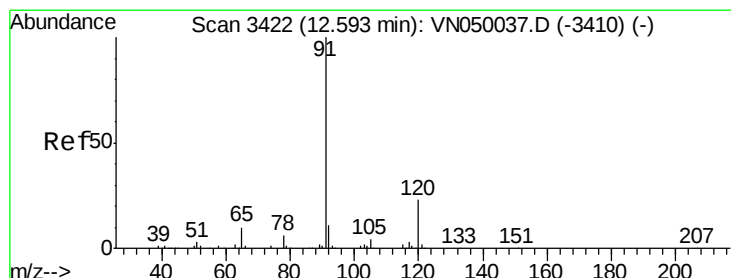
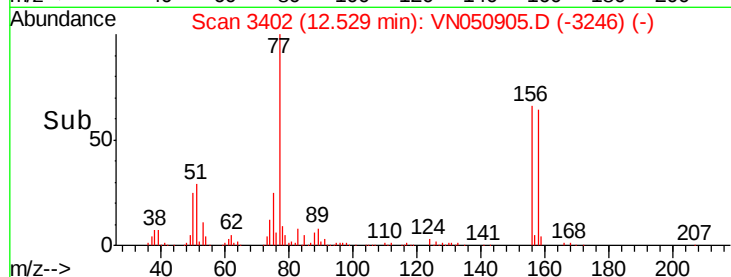
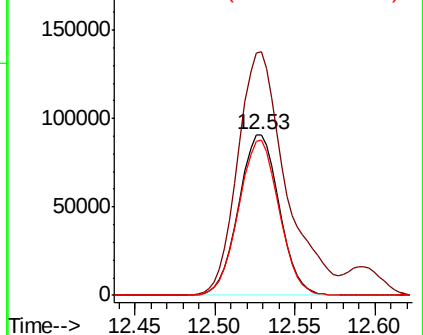
158 95.9 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.97 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050905.D

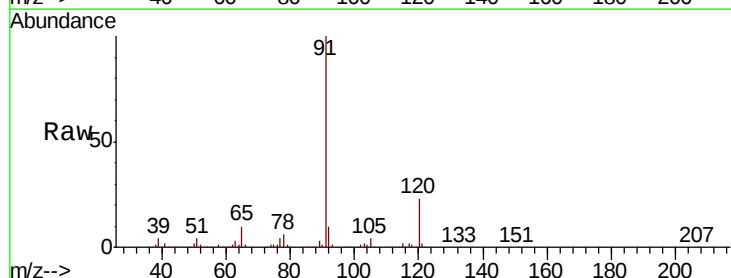
Acq: 27 Aug 2018 19:28

Tgt Ion: 91 Resp: 687369

Ion Ratio Lower Upper

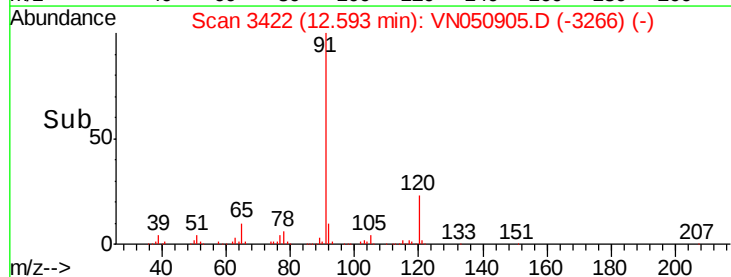
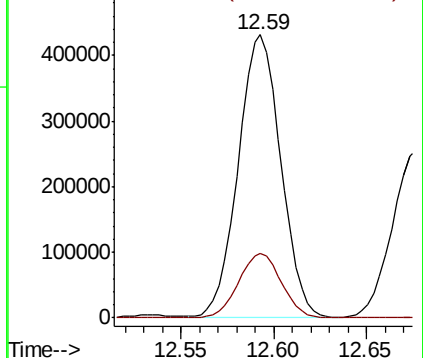
91 100

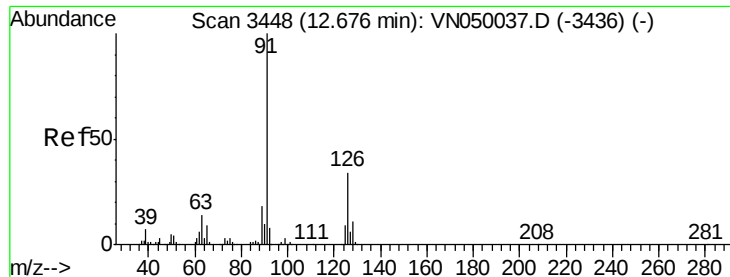
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.54 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

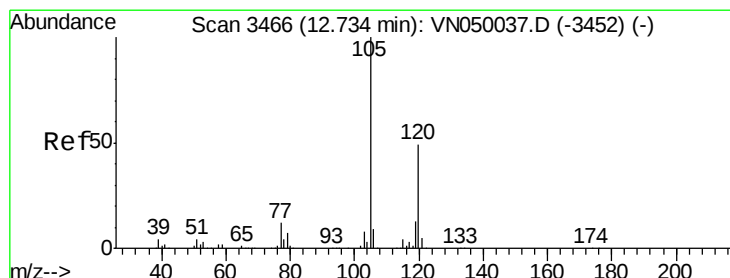
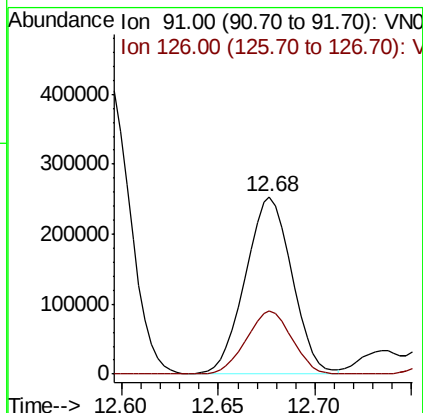
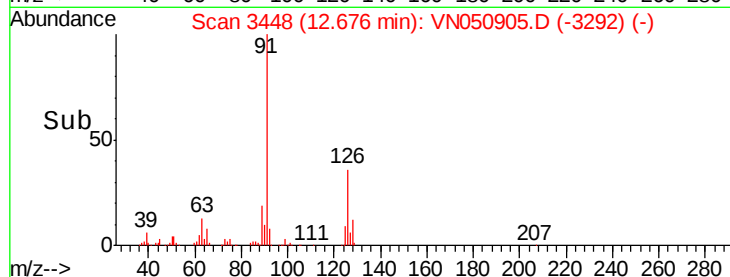
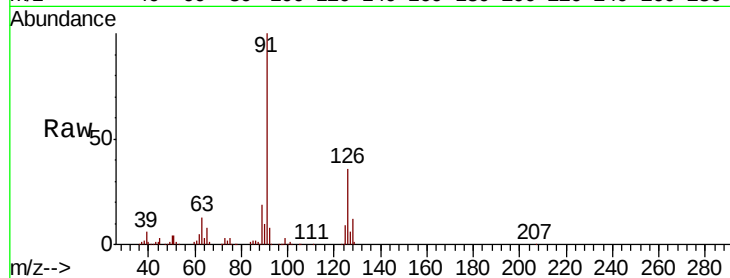
VN0827WBSD02

Tot Ion: 91 Resp: 424563

Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6



#76

1,3,5-Trimethylbenzene

Concen: 20.78 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050905.D

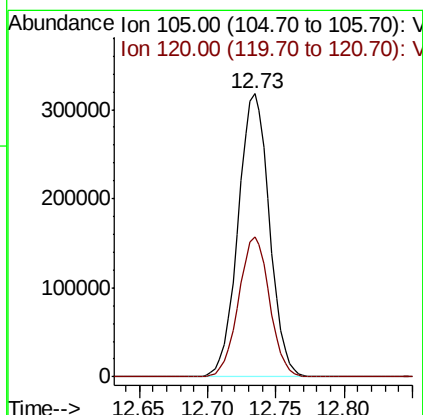
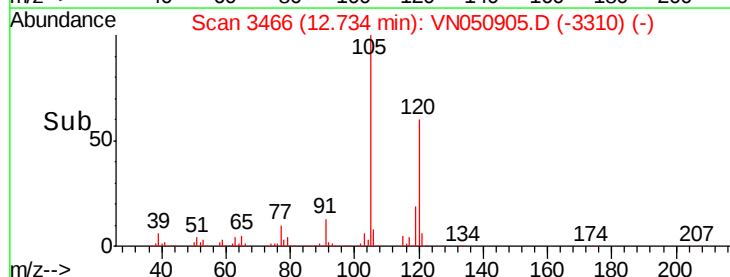
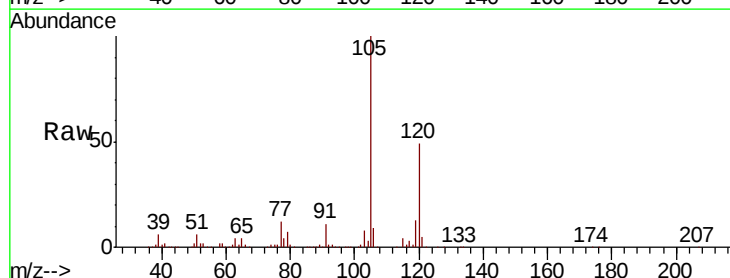
Acq: 27 Aug 2018 19:28

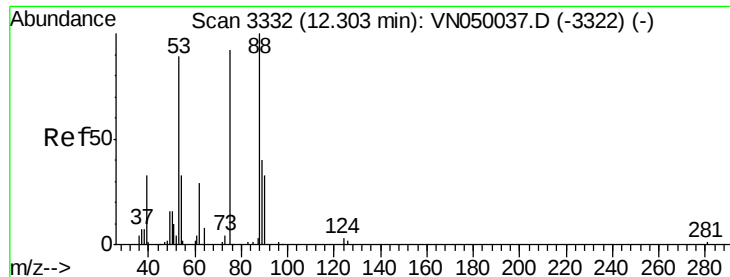
Tgt Ion: 105 Resp: 504311

Ion Ratio Lower Upper

105 100

120 49.0 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 16.26 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

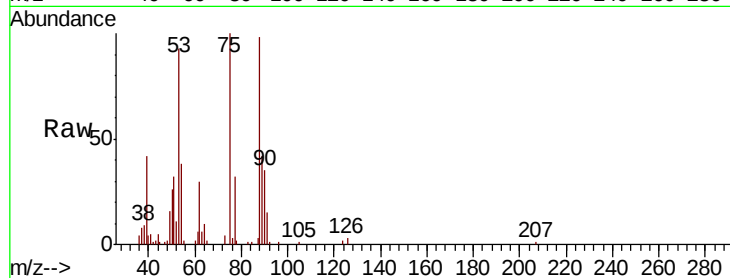
Tot Ion: 75 Resp: 36841

Ion Ratio Lower Upper

75 100

53 93.4 44.6 134.0

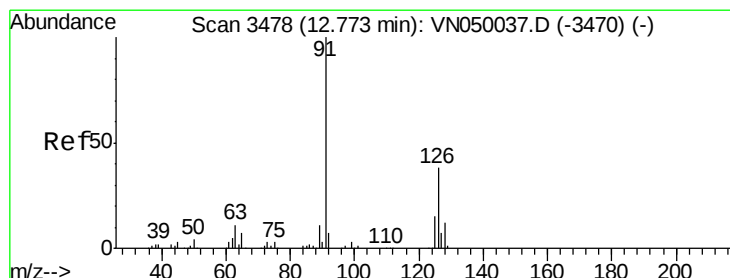
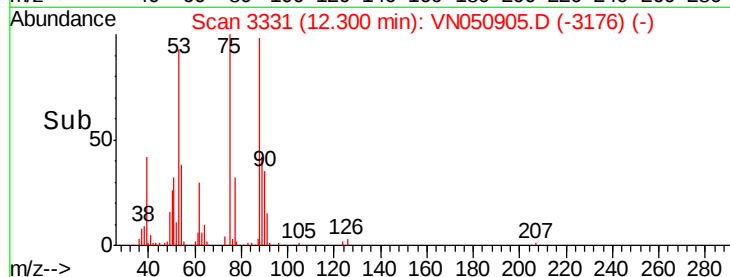
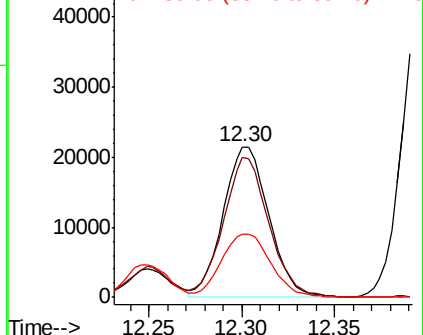
89 42.2 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.69 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050905.D

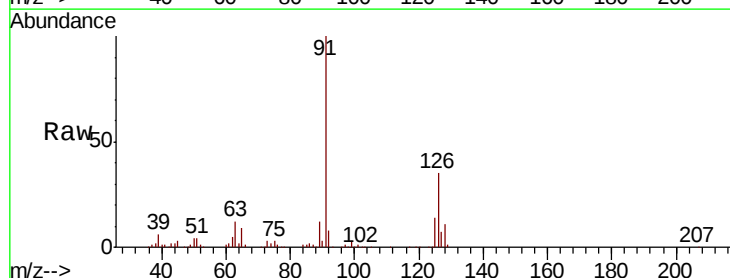
Acq: 27 Aug 2018 19:28

Tgt Ion: 91 Resp: 403270

Ion Ratio Lower Upper

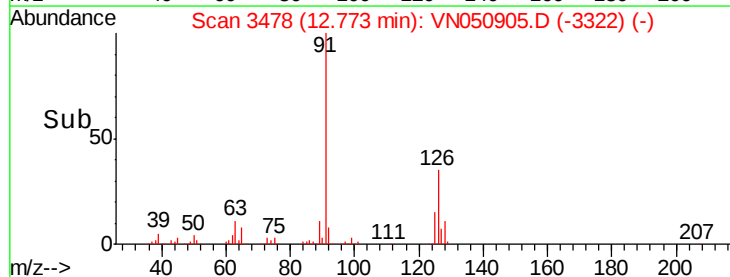
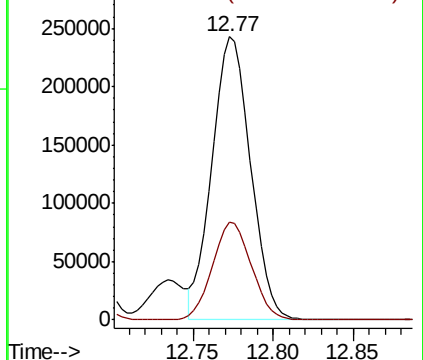
91 100

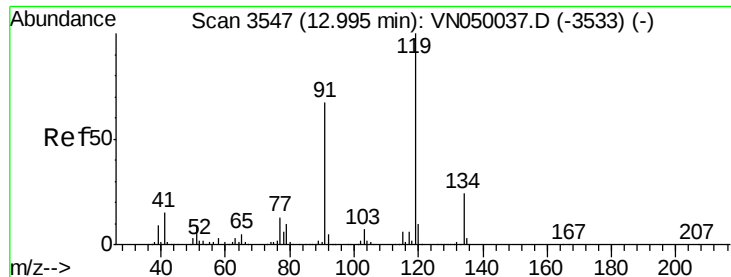
126 34.8 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

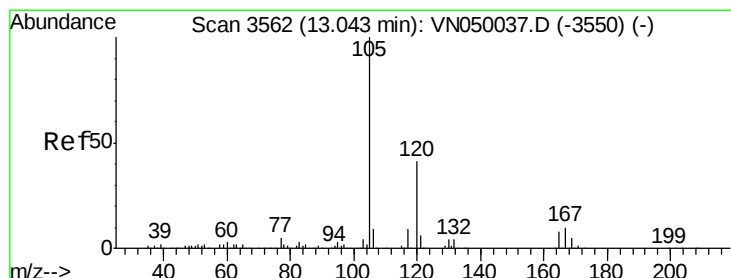
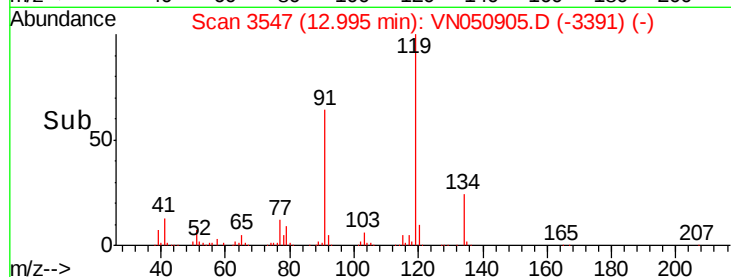
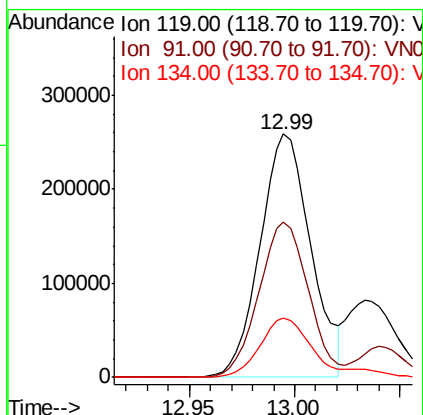
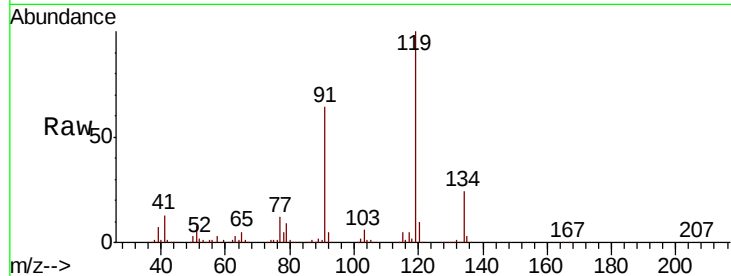




#79
tert-butylbenzene
Concen: 20.91 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

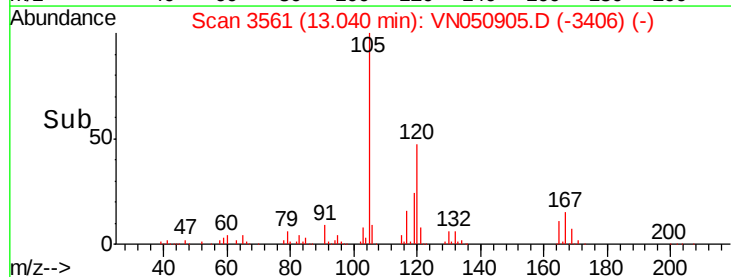
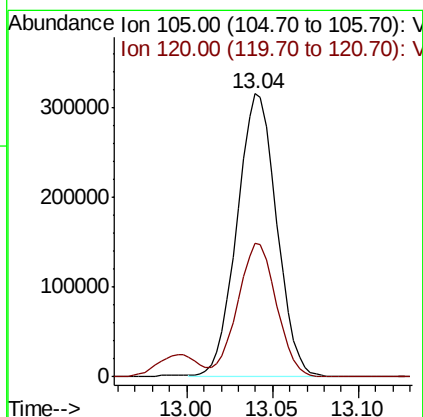
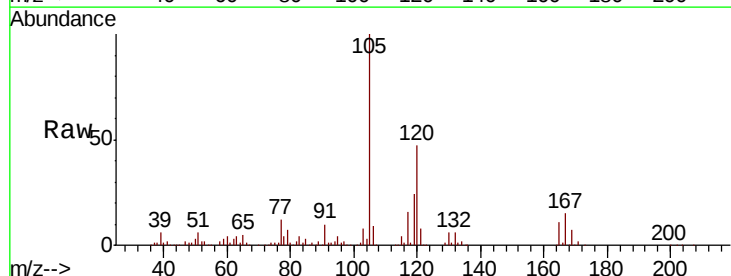
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

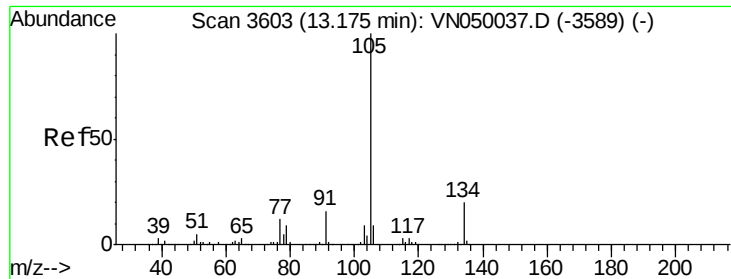
Tot Ion	Ratio	Lower	Upper
119	100		
91	62.6	0.0	126.8
134	26.5	0.0	47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.56 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	90.6

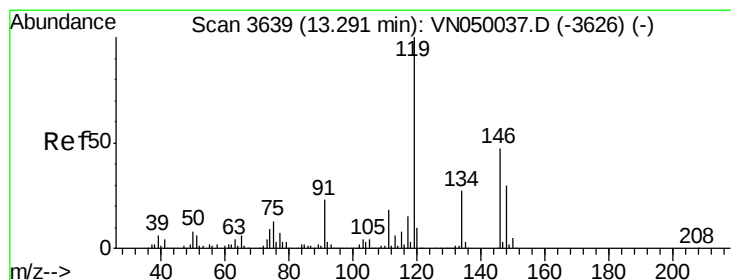
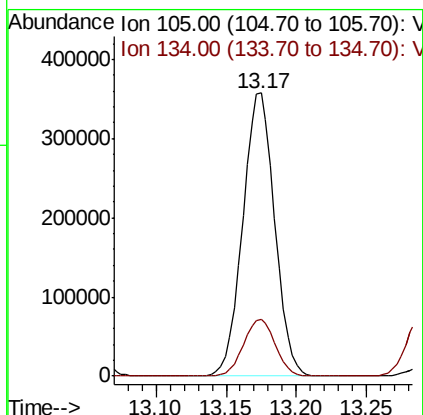
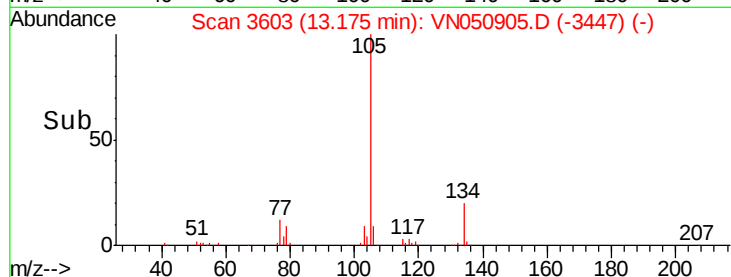
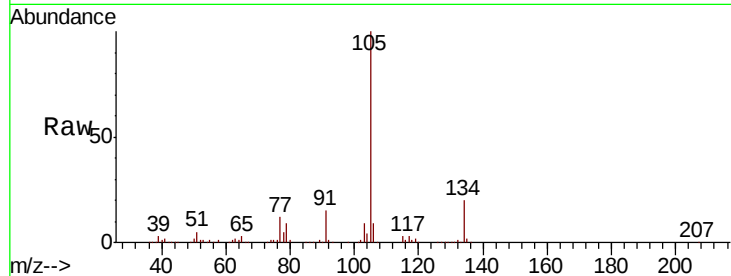




#81
 sec-Butylbenzene
 Concen: 20.07 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

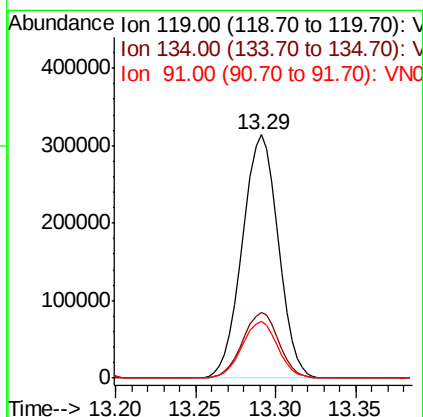
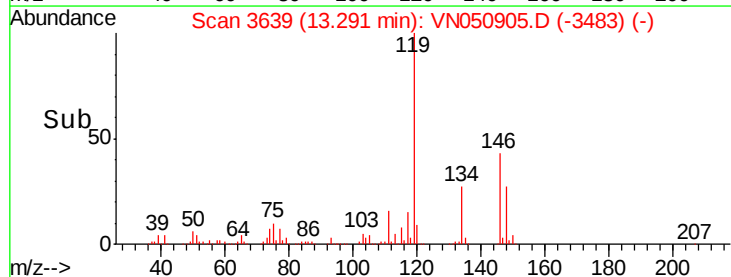
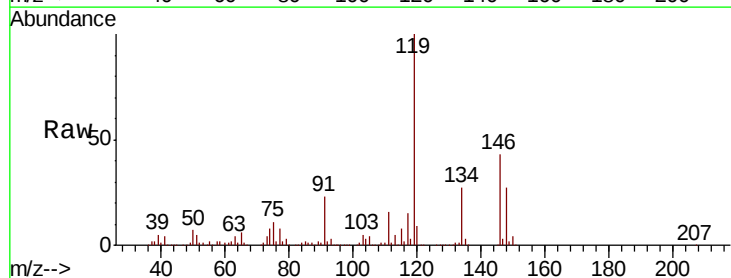
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

Tot Ion:105 Resp: 565711
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.98 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion:119 Resp: 480555
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 52.2
 91 22.9 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 19.40 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

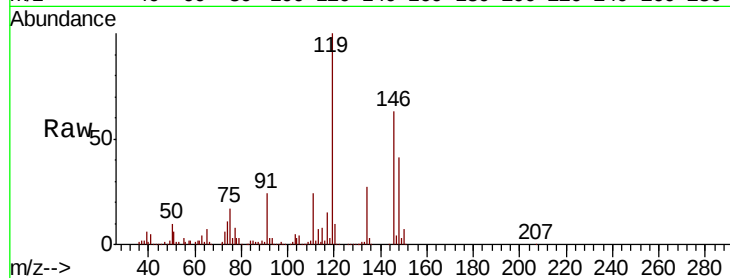
Tot Ion:146 Resp: 265912

Ion Ratio Lower Upper

146 100

111 37.7 19.1 57.1

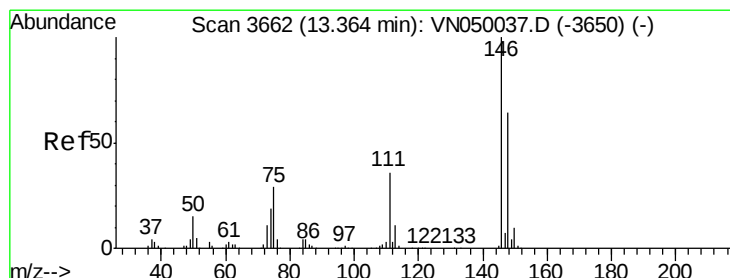
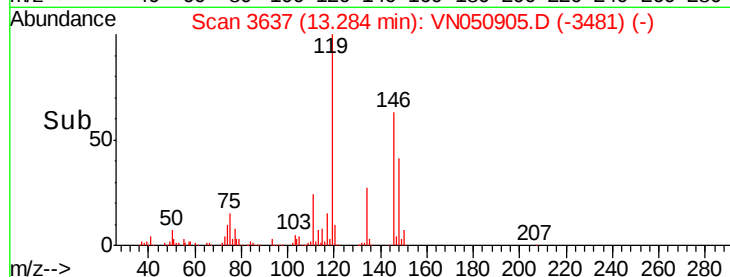
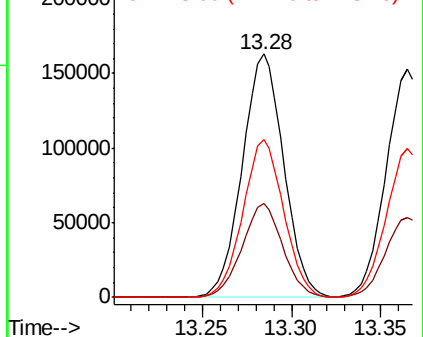
148 63.6 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.24 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

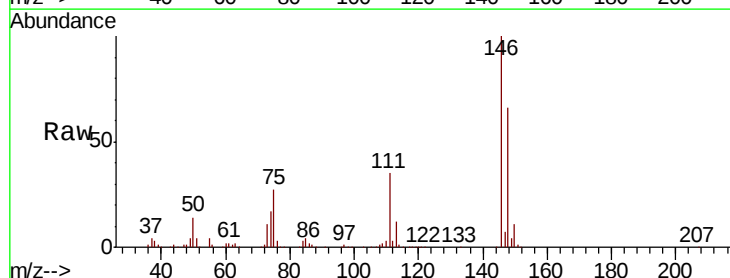
Tgt Ion:146 Resp: 249128

Ion Ratio Lower Upper

146 100

111 35.9 17.9 53.8

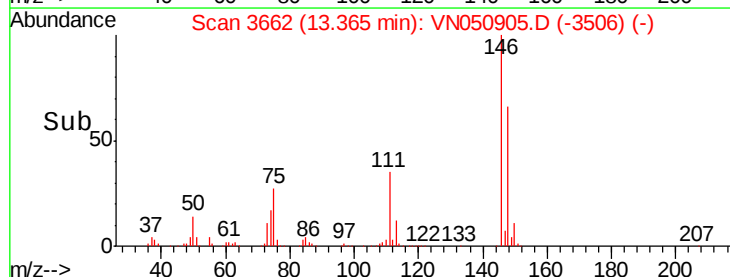
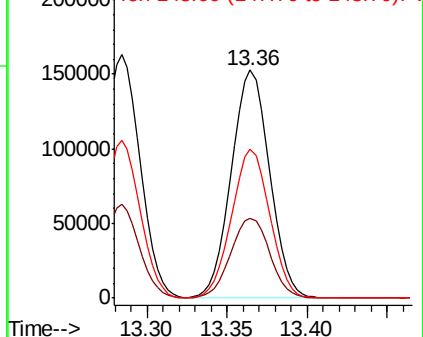
148 65.0 32.4 97.0

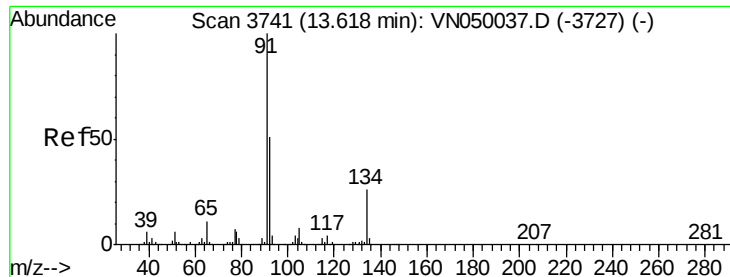


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

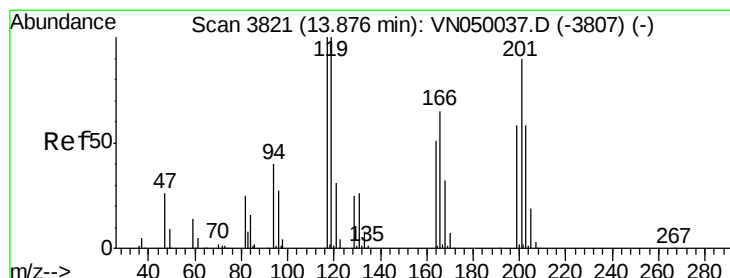
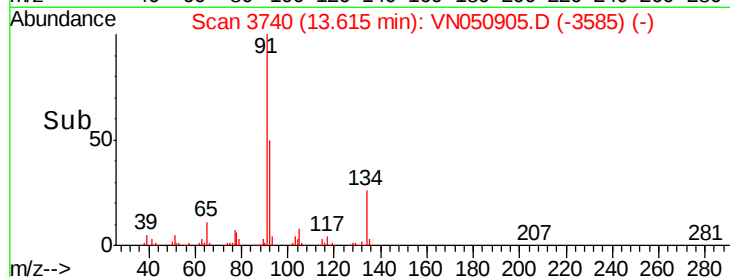
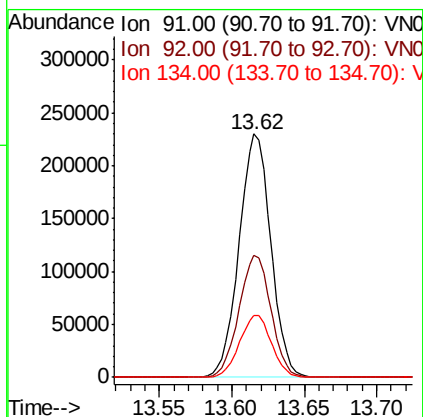
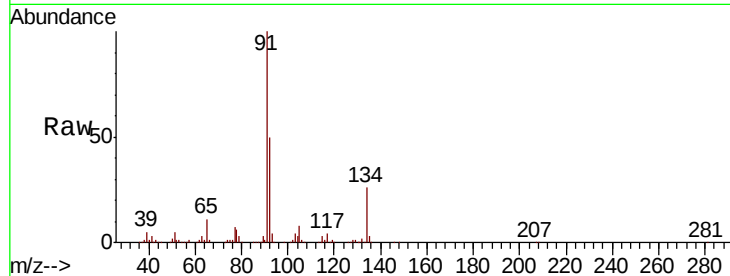




#85
n-Butylbenzene
Concen: 17.97 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

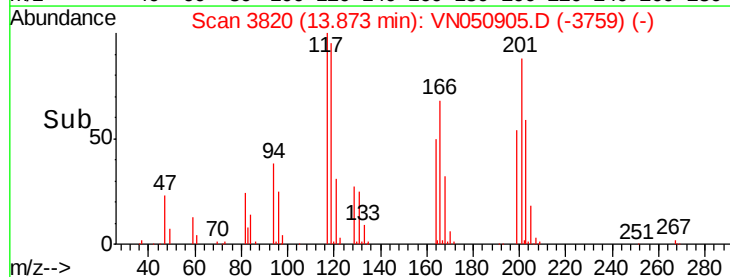
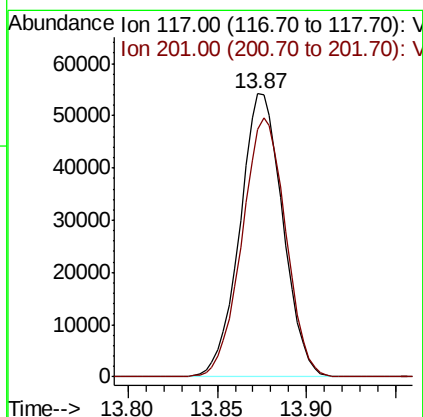
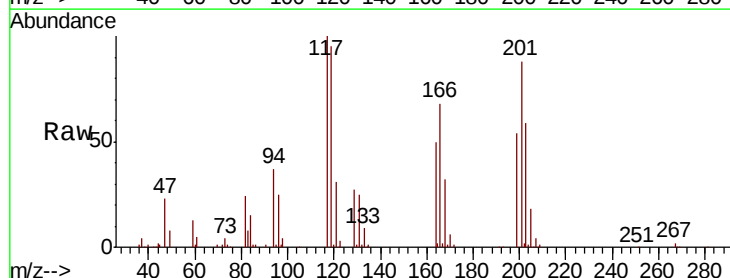
Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

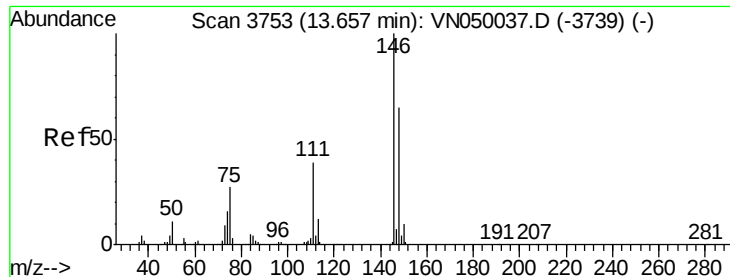
Tot Ion	91	Resp	350755
Ion	Ratio	Lower	Upper
91	100		
92	50.4	0.0	102.8
134	25.6	0.0	51.0



#86
Hexachloroethane
Concen: 19.02 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion	117	Resp	91404
Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.6	139.7





#87

1,2-Dichlorobenzene

Concen: 19.65 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

Instrument :

MSVOA_N

ClientSampleId :

VN0827WBSD02

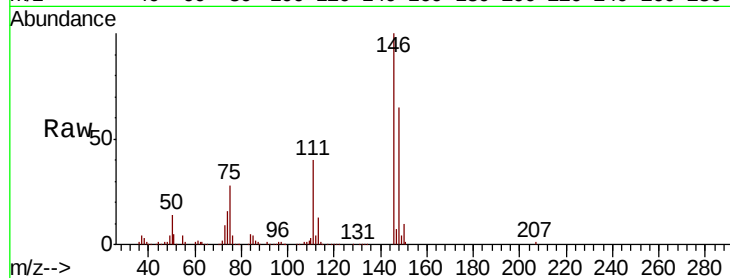
Tot Ion:146 Resp: 263262

Ion Ratio Lower Upper

146 100

111 39.8 19.8 59.3

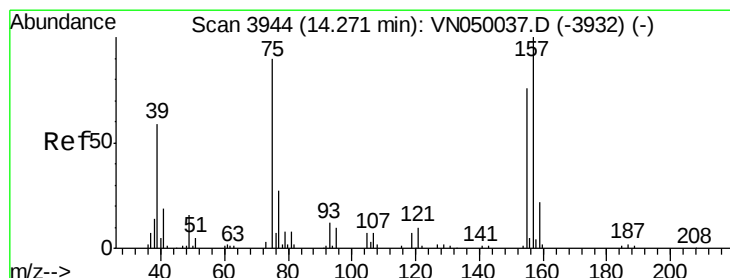
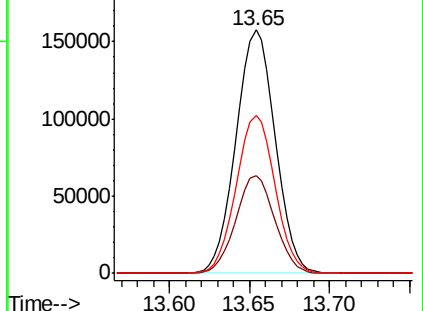
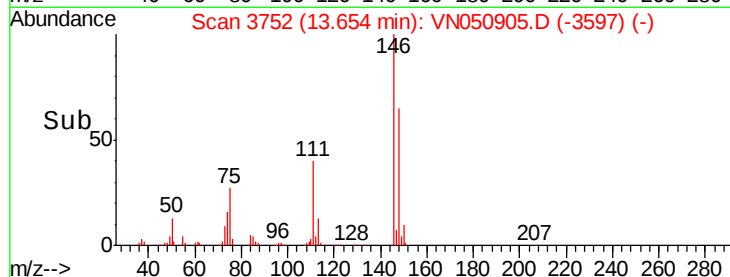
148 64.3 31.8 95.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.89 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050905.D

Acq: 27 Aug 2018 19:28

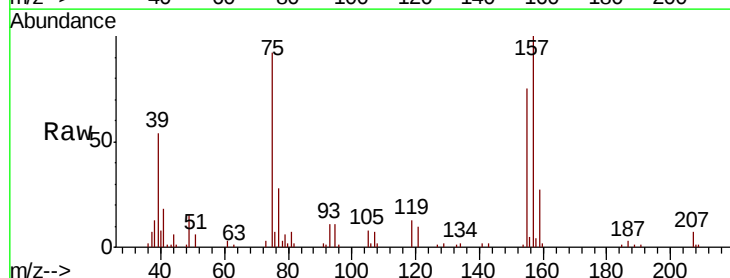
Tgt Ion: 75 Resp: 23877

Ion Ratio Lower Upper

75 100

155 87.5 73.0 109.6

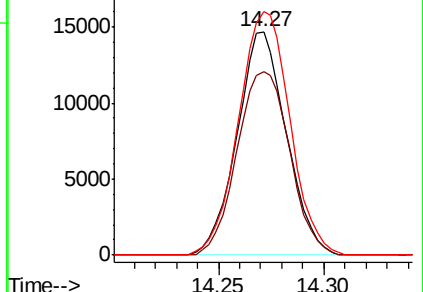
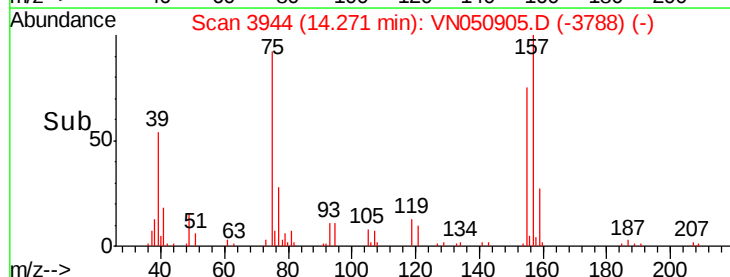
157 113.8 94.9 142.3

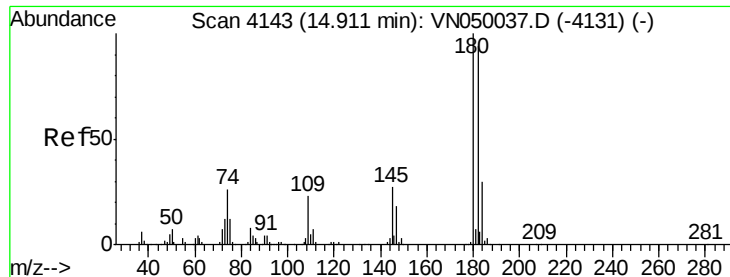


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

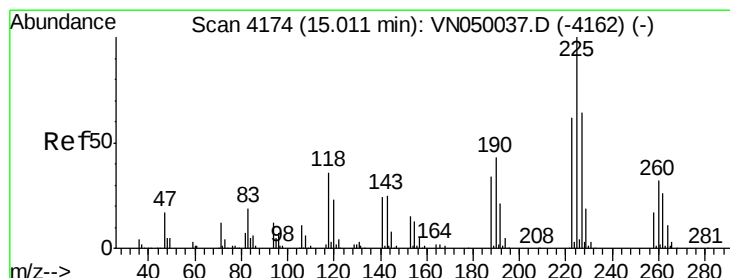
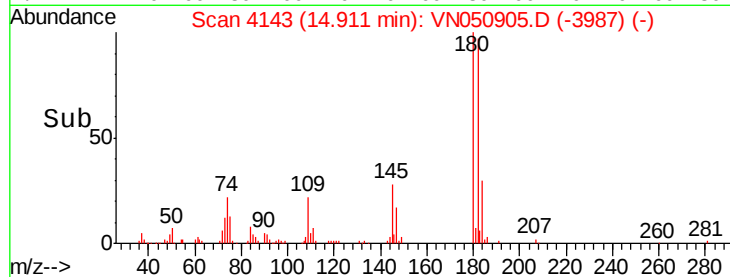
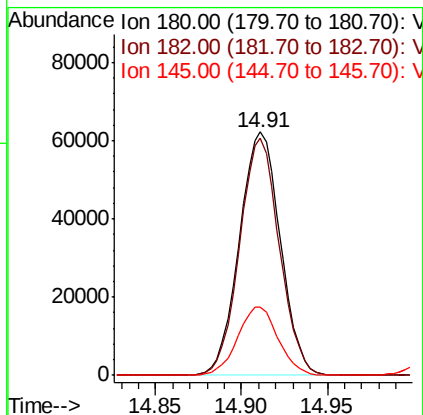
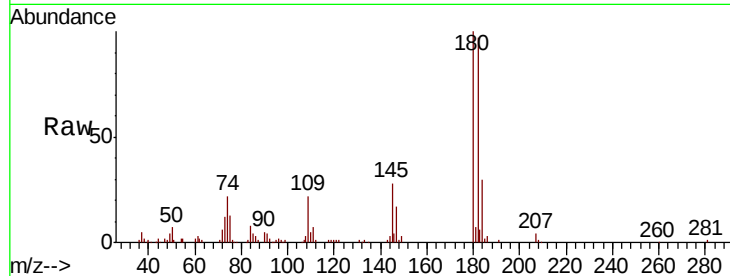




#89
 1,2,4-Trichlorobenzene
 Concen: 16.13 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

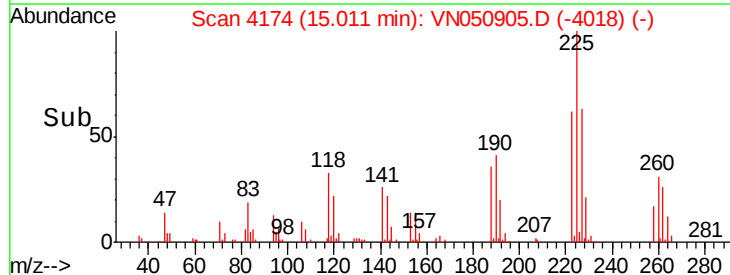
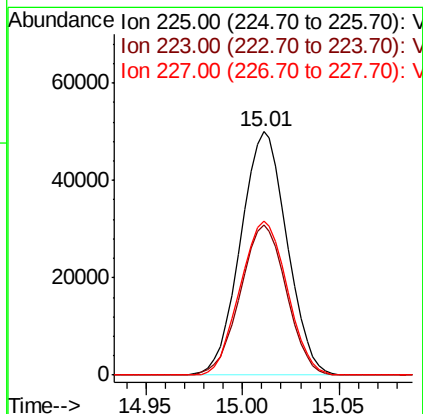
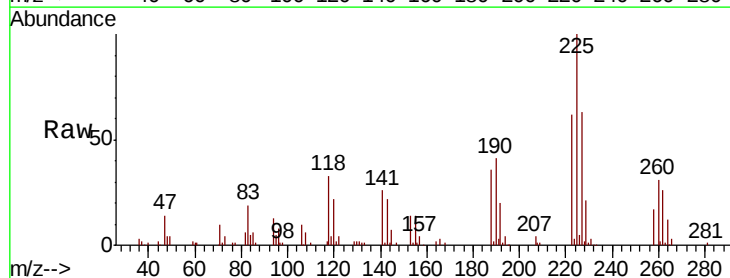
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0827WBSD02

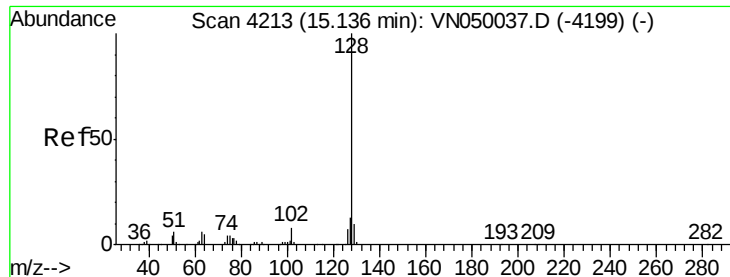
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.7	115.1
145	27.7	23.4	35.0



#90
 Hexachlorobutadiene
 Concen: 19.77 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050905.D
 Acq: 27 Aug 2018 19:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	124.4
227	64.1	0.0	133.0

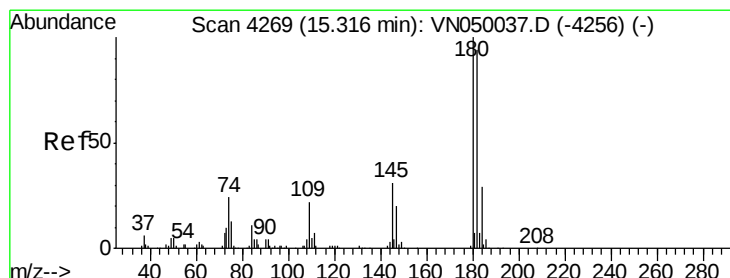
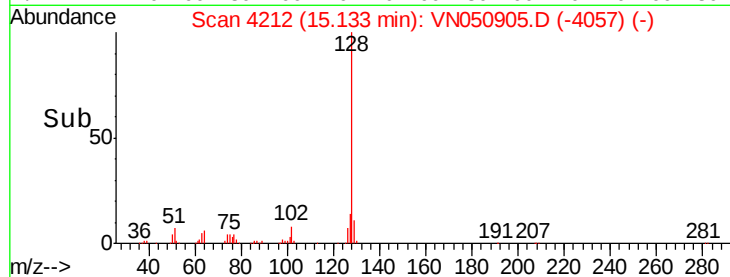
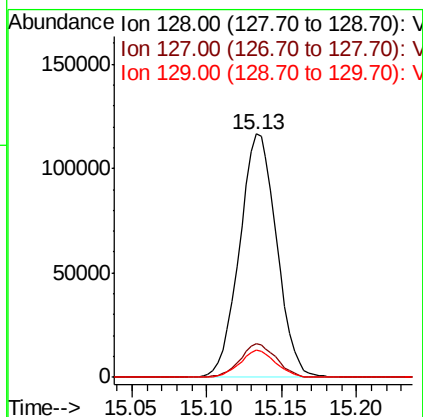
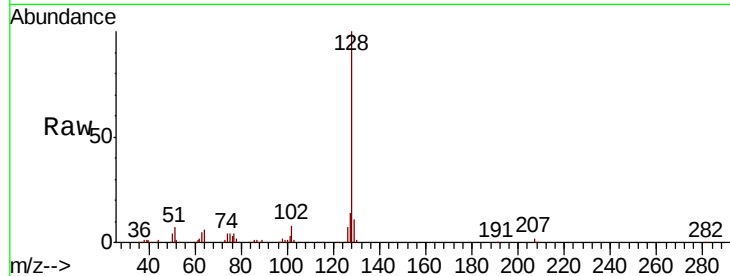




#91
Naphthalene
Concen: 17.67 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Instrument :
MSVOA_N
ClientSampleId :
VN0827WBSD02

Tot Ion:128 Resp: 201170
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 10.7 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 17.22 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050905.D
Acq: 27 Aug 2018 19:28

Tgt Ion:180 Resp: 112038
Ion Ratio Lower Upper
180 100
182 94.4 0.0 188.8
145 30.3 0.0 60.8

