

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
 Data File : VN050046.D
 Acq On : 25 Jul 2018 15:21
 Operator : MD\SY
 Sample : VN0725WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Quant Time: Jul 26 06:07:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	136270	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	734301	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	634676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	285682	30.84	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.80%
60) 4-Bromofluorobenzene	12.40	95	286183	29.35	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.83%
63) Toluene-d8	10.09	98	920390	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	204924	21.82	ug/l	96
3) Chloromethane	2.06	50	194720	20.11	ug/l	99
4) Vinyl Chloride	2.18	62	209320	20.31	ug/l	97
5) Bromomethane	2.56	94	143649	22.86	ug/l	100
6) Chloroethane	2.70	64	122534	20.10	ug/l	99
7) Trichlorofluoromethane	3.01	101	272894	20.26	ug/l	99
8) Diethyl Ether	3.41	74	91805	20.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	169333	20.67	ug/l	99
10) 1,1-Dichloroethene	3.73	96	147849	20.35	ug/l	94
11) Methyl Iodide	3.95	142	178339	16.68	ug/l	99
12) Methyl Acetate	4.33	43	171180	20.57	ug/l	99
13) Acrolein	3.61	56	36534	71.03	ug/l	98
14) Acrylonitrile	5.00	53	274492	98.84	ug/l	98
15) Acetone	3.82	58	76983	104.30	ug/l	99
16) Carbon Disulfide	4.05	76	439480	19.77	ug/l	100
17) Allyl chloride	4.32	41	227611	19.84	ug/l	98
18) Methylene Chloride	4.55	84	170983	20.39	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	155200	19.95	ug/l	99
20) Diisopropyl ether	5.96	45	482070	20.49	ug/l	99
21) 1,1-Dichloroethane	5.85	63	293596	19.85	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	174375	20.21	ug/l	100
23) tert-Butyl Alcohol	4.79	59	64588	103.99	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	401143	20.25	ug/l	99
25) Chloroform	7.37	83	305164	20.38	ug/l	97
26) Cyclohexane	7.65	56	234501	19.95	ug/l	100
29) 1,1-Dichloropropene	7.79	75	223128	19.58	ug/l	99
30) 2-Butanone	6.84	43	351510	98.30	ug/l	99
31) 2,2-Dichloropropane	6.82	77	251546	19.97	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	257803	19.22	ug/l	99
33) Carbon Tetrachloride	7.77	117	227726	19.05	ug/l	99
34) Benzene	8.04	78	664930	19.21	ug/l	100
35) Methacrylonitrile	7.18	41	68881	16.92	ug/l	96
36) 1,2-Dichloroethane	8.13	62	217412	19.13	ug/l	99
37) Trichloroethene	8.84	130	177418	19.55	ug/l	95
38) Methylcyclohexane	9.08	83	228944	19.06	ug/l	99
39) 1,2-Dichloropropane	9.12	63	177284	19.45	ug/l	98
40) Dibromomethane	9.21	93	107738	19.12	ug/l	99

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 Data File : VN050046.D
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 Sample : VN0725WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Quant Time: Jul 26 06:07:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 25 10:32:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	226435	19.05	ug/l	100
42) Vinyl Acetate	5.90	43	1602271	95.22	ug/l	99
43) Ethyl Acetate	6.93	43	150979	20.22	ug/l #	91
44) Isopropyl Acetate	8.17	43	273854	19.80	ug/l	96
45) 1,4-Dioxane	9.20	88	33950	372.97	ug/l	96
46) Methyl methacrylate	9.20	41	127520	19.02	ug/l	98
47) n-amyl Acetate	12.07	43	191732	17.81	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	217676	18.47	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	255593	19.20	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	151919	18.78	ug/l	99
51) Ethyl methacrylate	10.43	69	178300	18.16	ug/l	99
52) 1,3-Dichloropropane	10.71	76	249307	18.77	ug/l	100
53) Dibromochloromethane	10.90	129	173546	18.91	ug/l	99
54) 1,2-Dibromoethane	11.01	107	151749	19.16	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	418330	94.15	ug/l	99
56) Bromoform	12.13	173	115370	17.80	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	745838	100.99	ug/l	100
59) 2-Hexanone	10.75	43	500101	99.26	ug/l	99
61) Tetrachloroethene	10.63	164	167683	19.51	ug/l	97
62) Toluene	10.16	91	715388	19.76	ug/l	99
64) Chlorobenzene	11.44	112	432778	19.71	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	164905	19.25	ug/l	99
66) Ethyl Benzene	11.51	91	719976	19.46	ug/l	98
67) m/p-Xylenes	11.62	106	567084	39.82	ug/l	99
68) o-Xylene	11.95	106	263881	19.48	ug/l	99
69) Styrene	11.97	104	416111	19.16	ug/l	99
70) Isopropylbenzene	12.25	105	709825	19.67	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	191396	19.32	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	231694	28.36	ug/l	50
73) Bromobenzene	12.53	156	182144	18.95	ug/l	97
74) n-propylbenzene	12.59	91	820470	19.52	ug/l	99
75) 2-Chlorotoluene	12.68	91	493400	19.55	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	592422	19.99	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	49168	17.77	ug/l	91
78) 4-Chlorotoluene	12.78	91	485458	19.41	ug/l	99
79) tert-butylbenzene	12.99	119	498210	19.66	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	601271	20.02	ug/l	100
81) sec-Butylbenzene	13.17	105	681076	19.79	ug/l	99
82) p-Isopropyltoluene	13.29	119	579093	19.72	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	313292	18.72	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	313932	19.85	ug/l	99
85) n-Butylbenzene	13.62	91	450750	18.91	ug/l	99
86) Hexachloroethane	13.88	117	109261	18.62	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	321903	19.67	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	28638	18.55	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	156298	20.00	ug/l	99
90) Hexachlorobutadiene	15.01	225	104512	20.28	ug/l	97
91) Naphthalene	15.14	128	340265	21.53	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	146609	18.45	ug/l	99

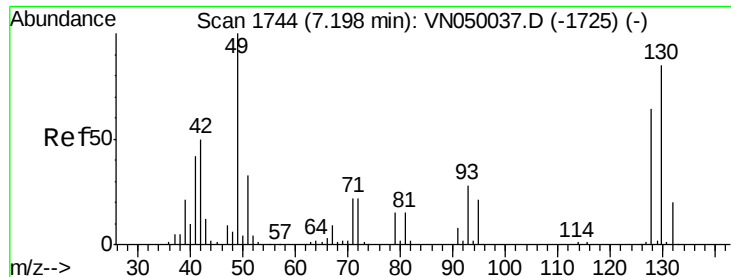
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072518\
Data File : VN050046.D
Acq On : 25 Jul 2018 15:21
Operator : MD\SY
Sample : VN0725WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Quant Time: Jul 26 06:07:54 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 25 10:32:46 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

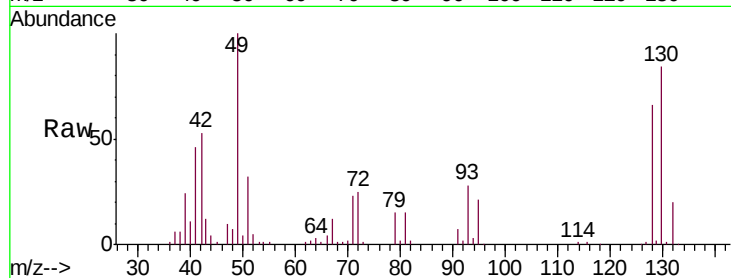
Tot Ion:128 Resp: 136270

Ion Ratio Lower Upper

128 100

49 152.0 0.0 378.3

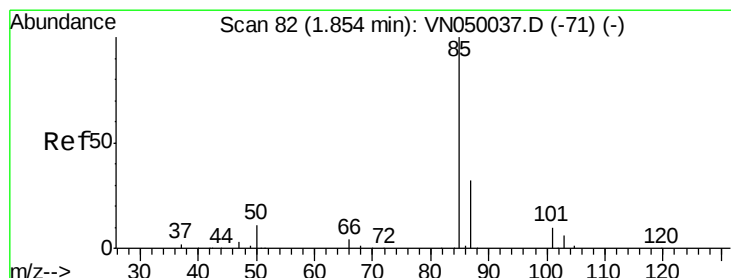
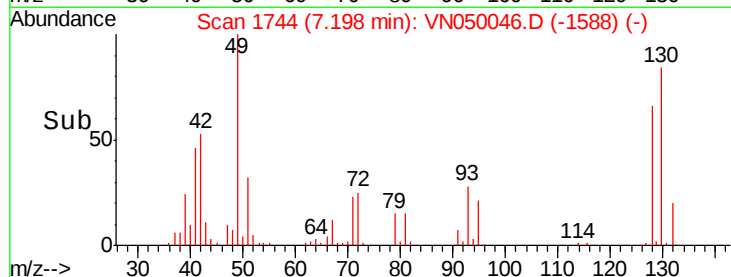
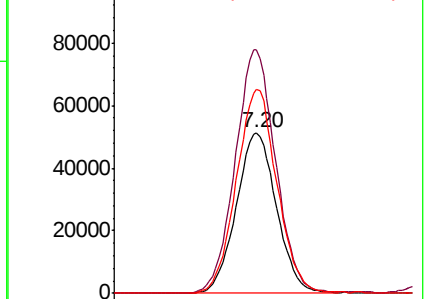
130 128.5 0.0 320.7



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



#2

Dichlorodifluoromethane

Concen: 21.82 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN050046.D

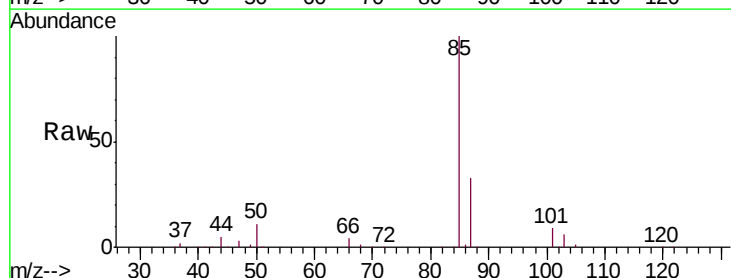
Acq: 25 Jul 2018 15:21

Tgt Ion: 85 Resp: 204924

Ion Ratio Lower Upper

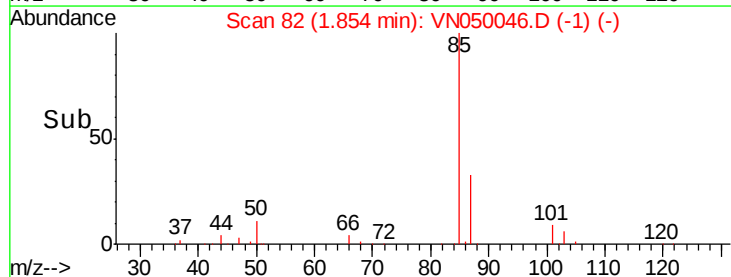
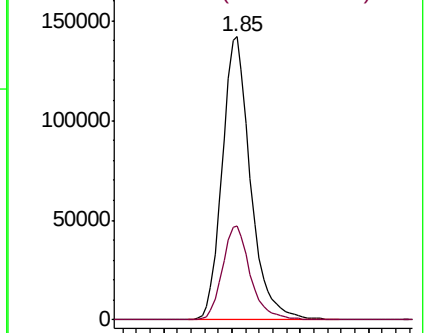
85 100

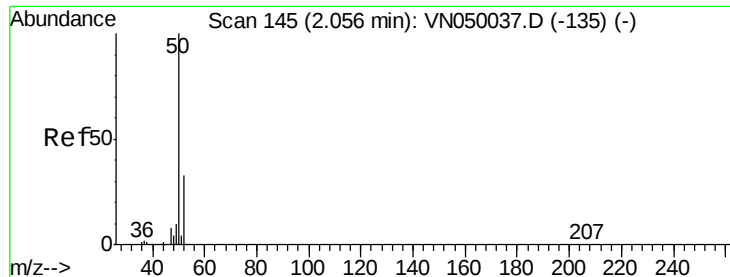
87 33.3 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.11 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

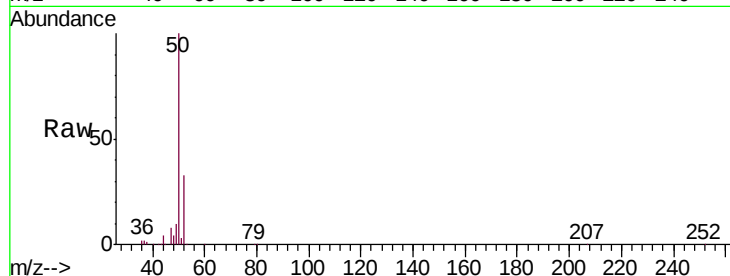
VN0725WBSD01

Tot Ion: 50 Resp: 194720

Ion Ratio Lower Upper

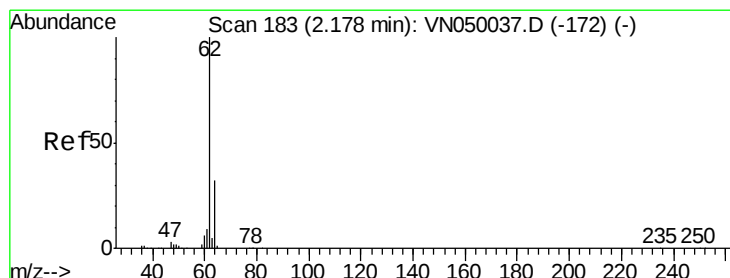
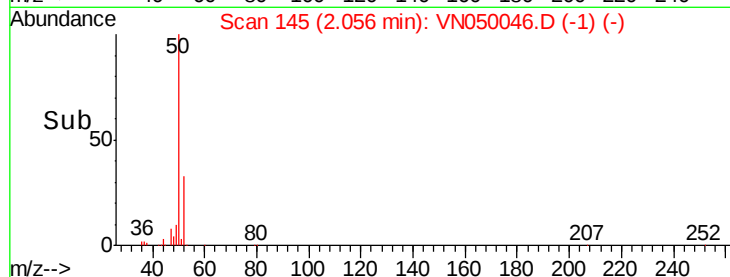
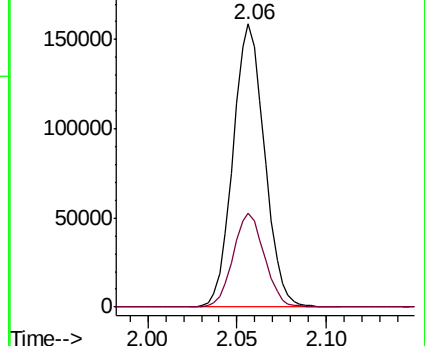
50 100

52 33.0 26.1 39.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.31 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050046.D

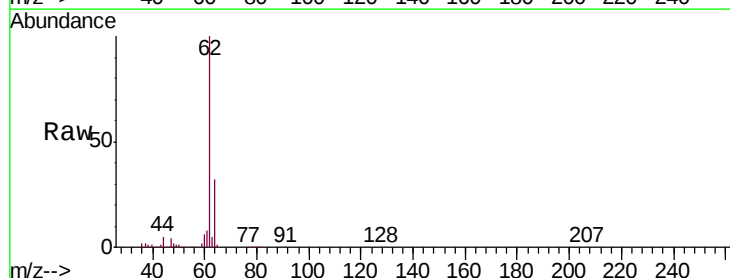
Acq: 25 Jul 2018 15:21

Tgt Ion: 62 Resp: 209320

Ion Ratio Lower Upper

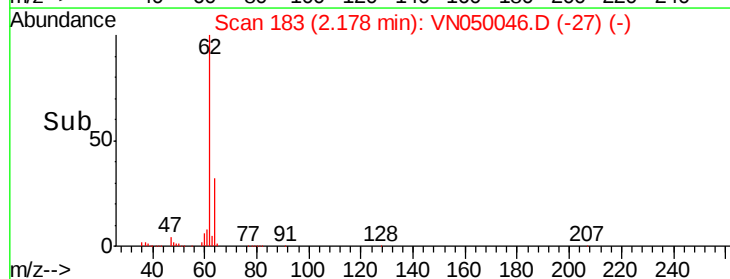
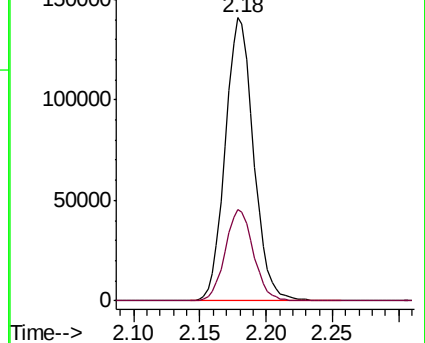
62 100

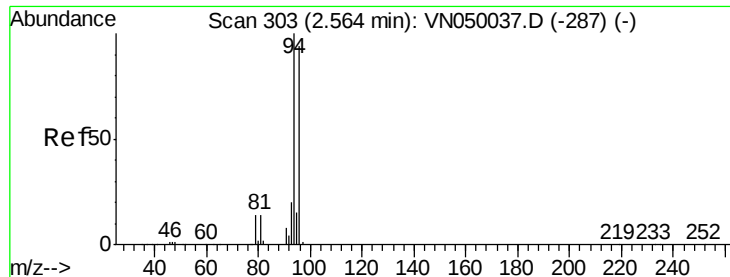
64 32.1 24.4 36.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 22.86 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

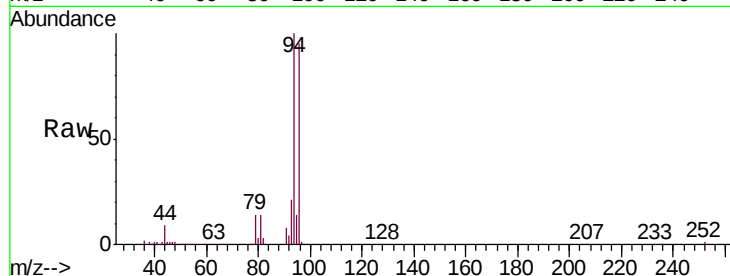
VN0725WBSD01

Tot Ion: 94 Resp: 143649

Ion Ratio Lower Upper

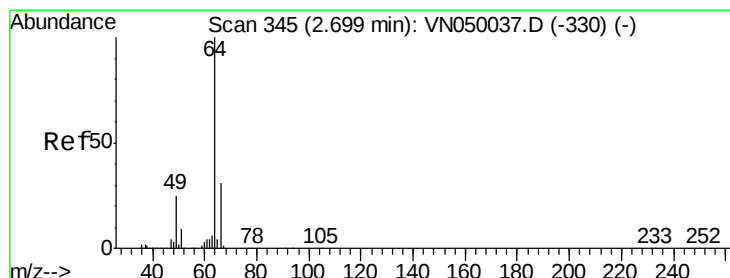
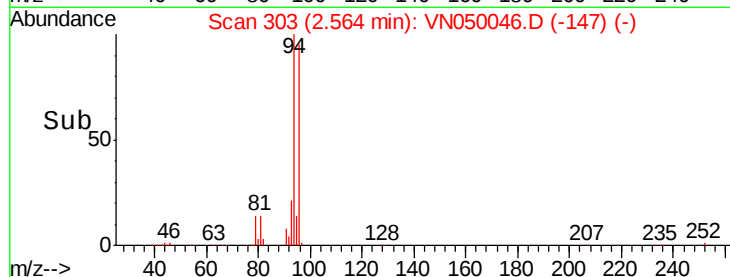
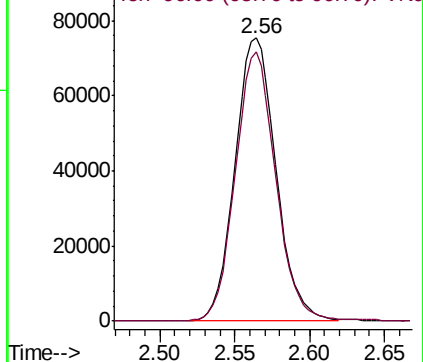
94 100

96 94.6 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.10 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050046.D

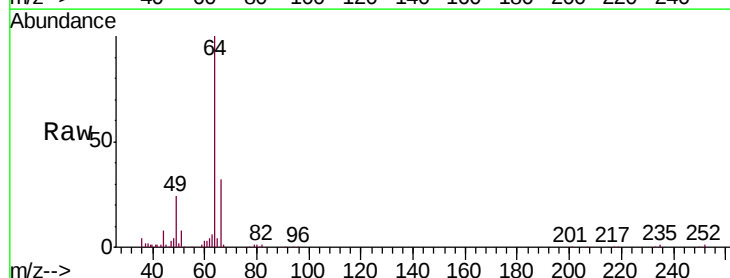
Acq: 25 Jul 2018 15:21

Tgt Ion: 64 Resp: 122534

Ion Ratio Lower Upper

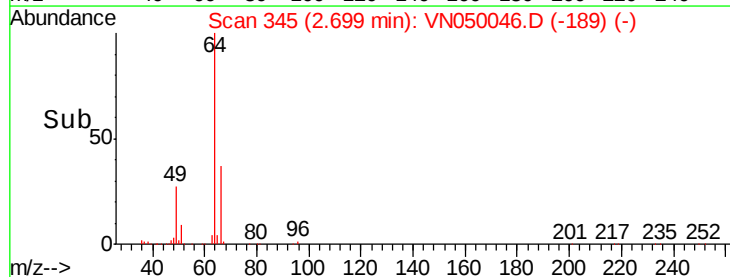
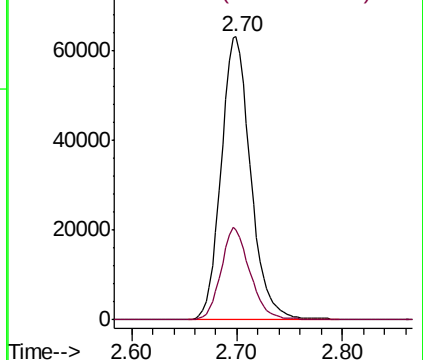
64 100

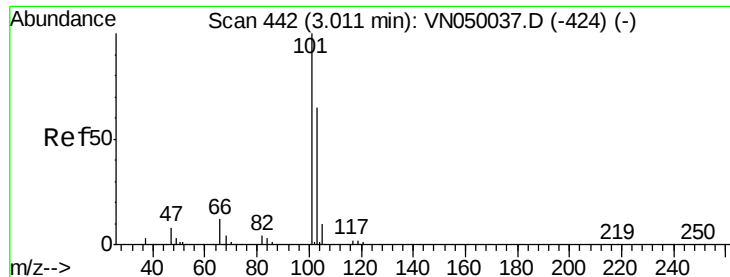
66 31.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



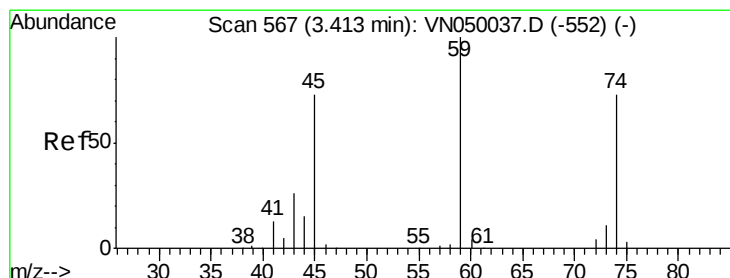
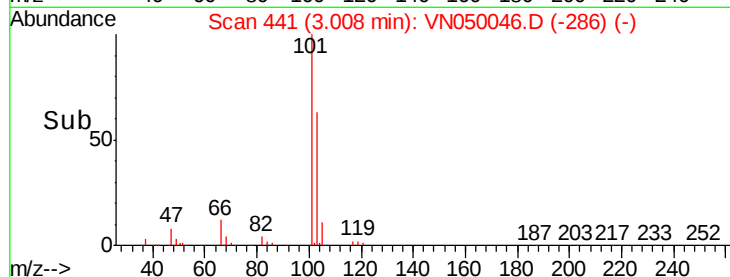
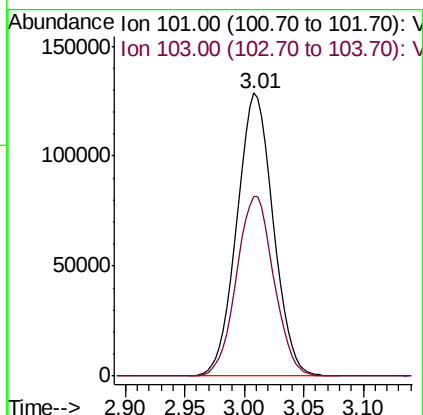
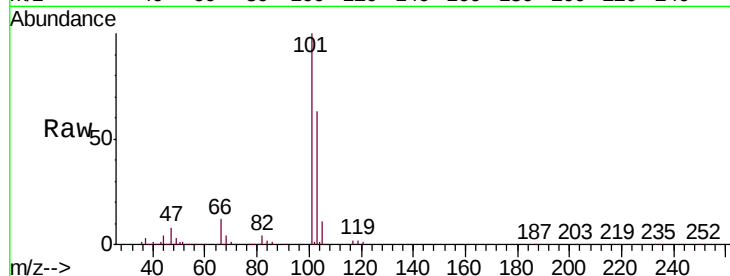


#7

Trichlorofluoromethane
Concen: 20.26 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampled :
VN0725WBSD01

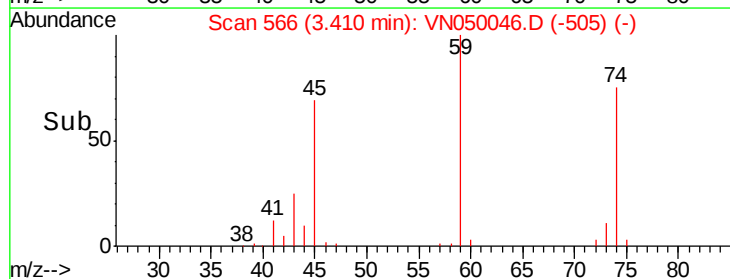
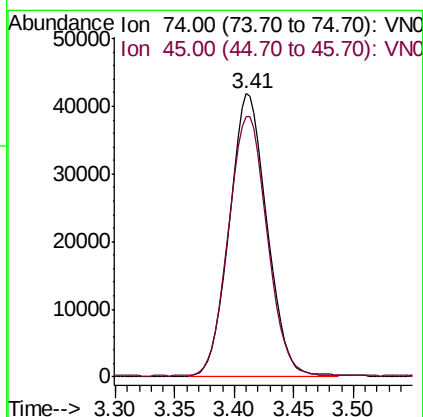
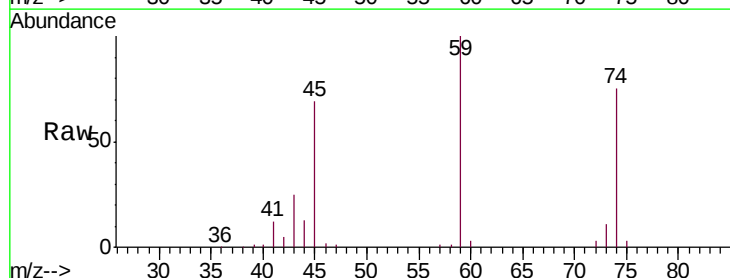
Tot Ion:101 Resp: 272894
Ion Ratio Lower Upper
101 100
103 63.5 51.5 77.3

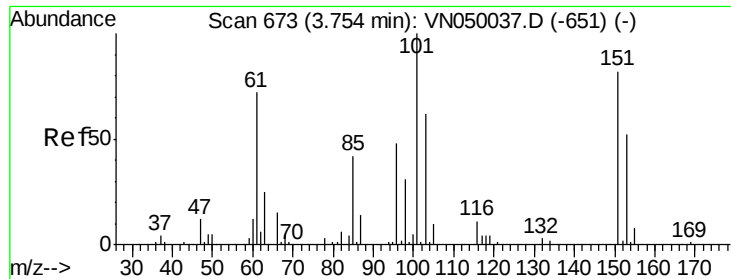


#8

Diethyl Ether
Concen: 20.32 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 74 Resp: 91805
Ion Ratio Lower Upper
74 100
45 94.1 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.67 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

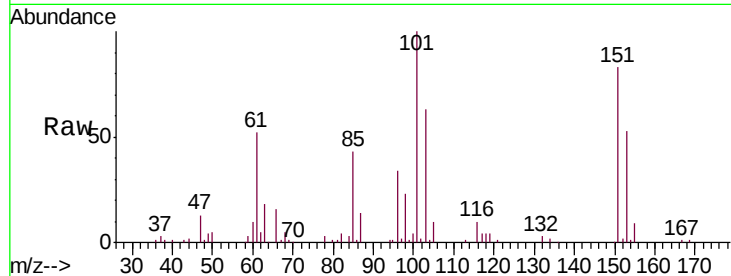
Tot Ion:101 Resp: 169333

Ion Ratio Lower Upper

101 100

85 43.5 0.0 83.0

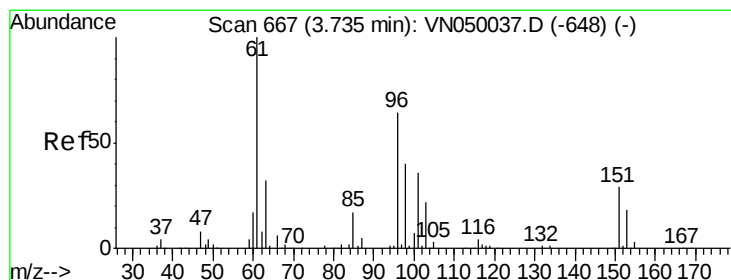
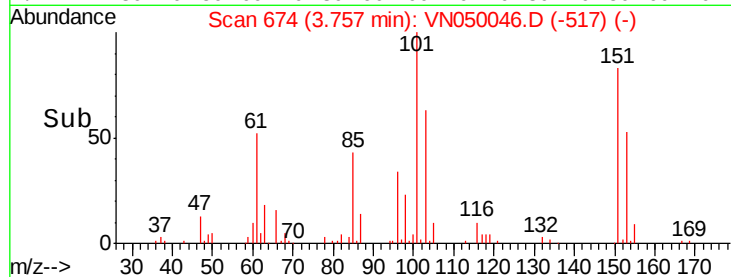
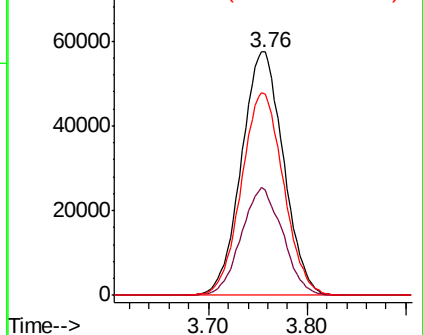
151 83.1 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.35 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

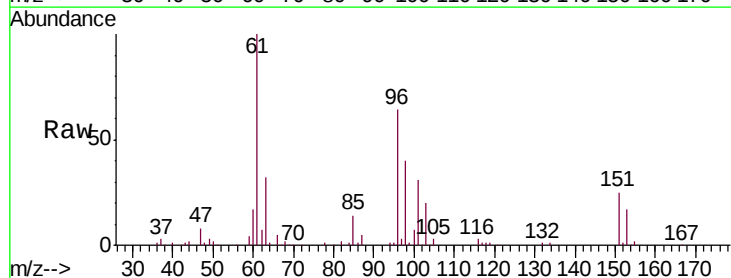
Tgt Ion: 96 Resp: 147849

Ion Ratio Lower Upper

96 100

61 155.2 130.6 195.8

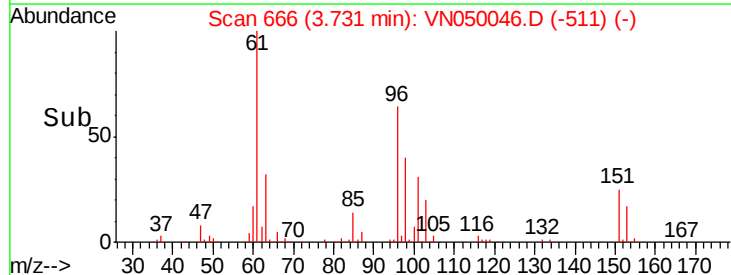
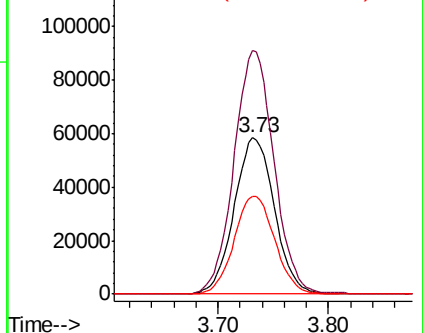
98 62.6 53.5 80.3

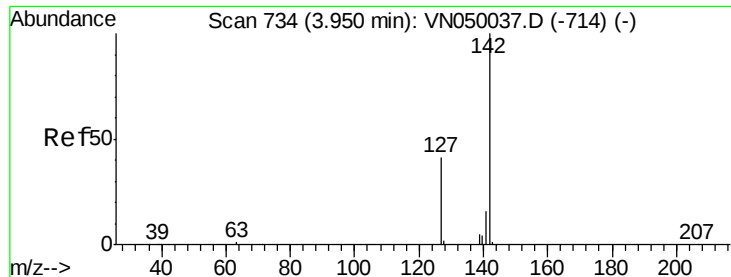


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

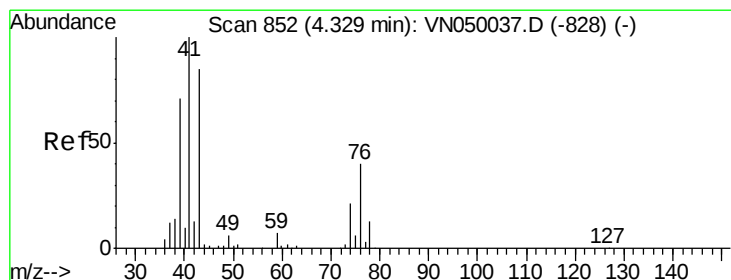
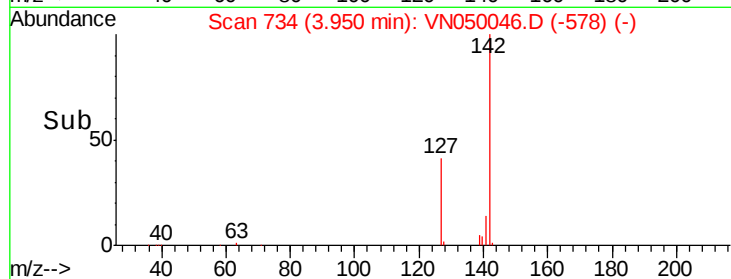
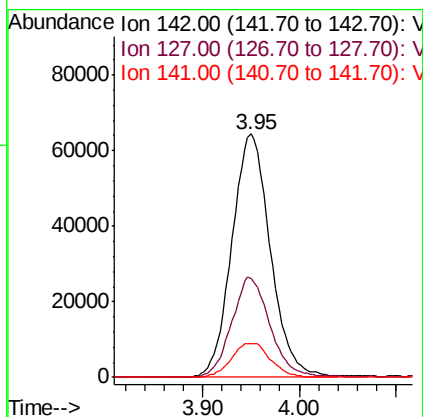
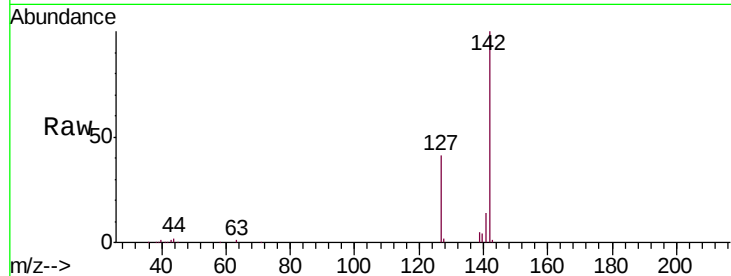




#11
Methvl Iodide
Concen: 16.68 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

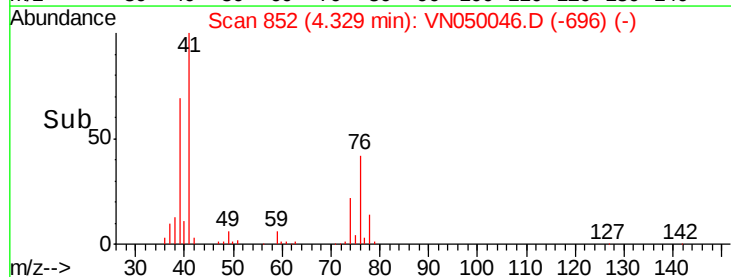
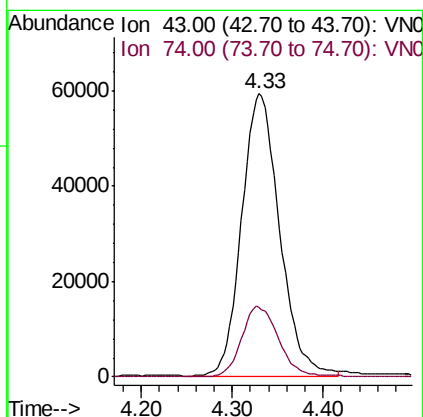
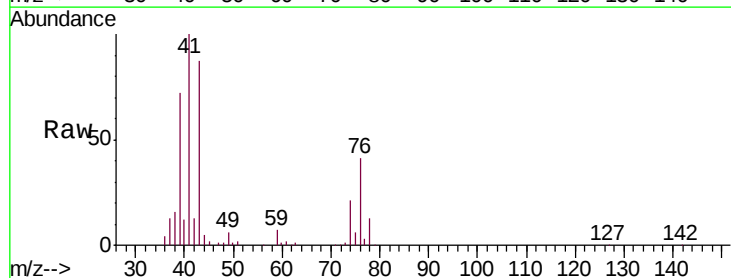
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

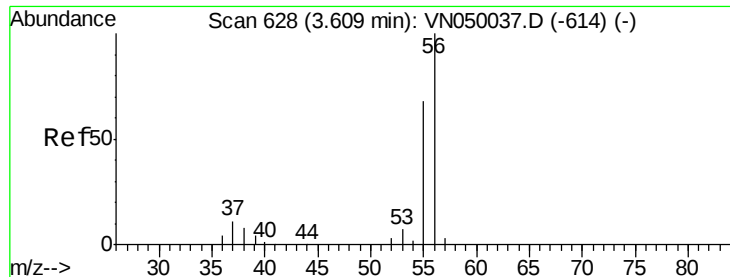
Tot Ion:142 Resp: 178339
Ion Ratio Lower Upper
142 100
127 40.7 20.2 60.5
141 14.0 6.9 20.6



#12
Methyl Acetate
Concen: 20.57 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 43 Resp: 171180
Ion Ratio Lower Upper
43 100
74 24.4 19.3 28.9





#13

Acrolein

Concen: 71.03 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

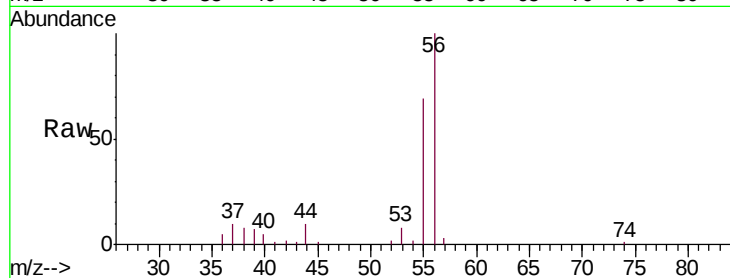
VN0725WBSD01

Tot Ion: 56 Resp: 36534

Ion Ratio Lower Upper

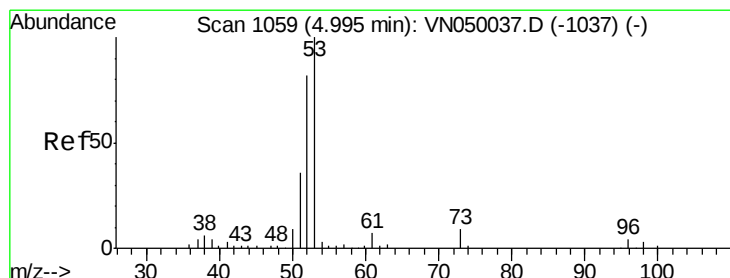
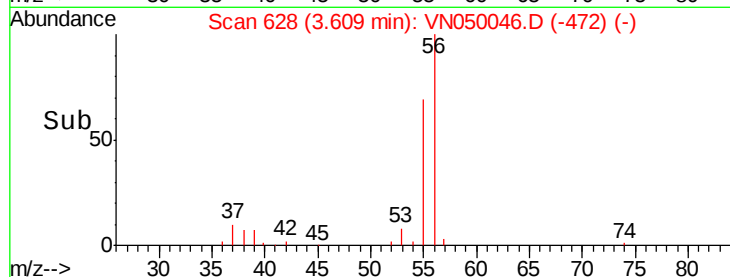
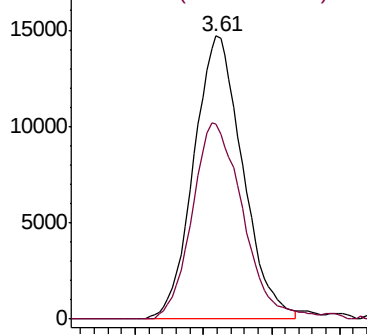
56 100

55 71.8 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 98.84 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

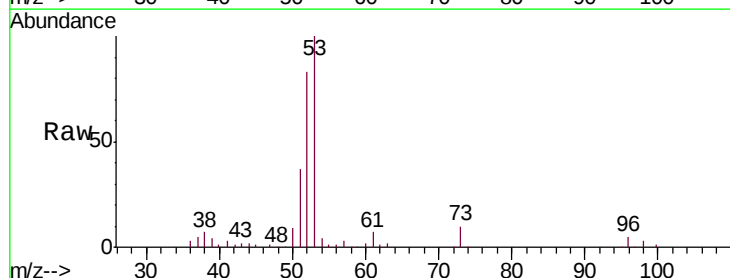
Tgt Ion: 53 Resp: 274492

Ion Ratio Lower Upper

53 100

52 81.8 41.5 124.5

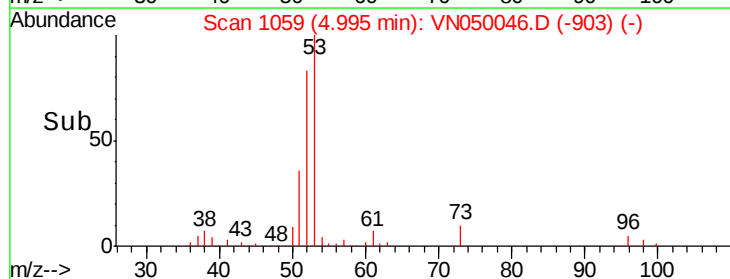
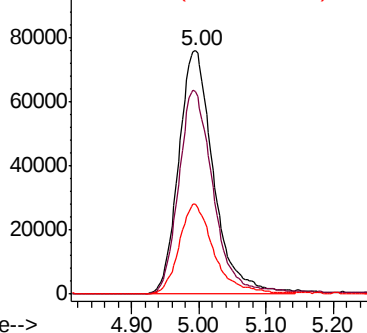
51 35.6 18.7 56.1

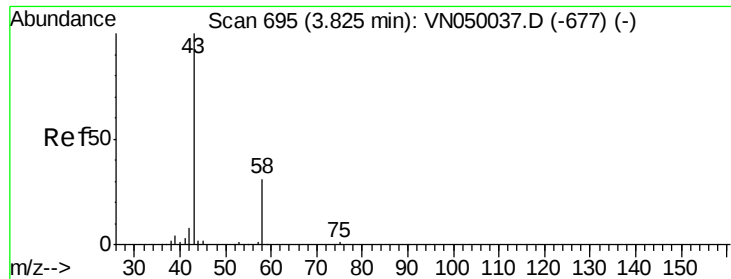


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 104.30 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

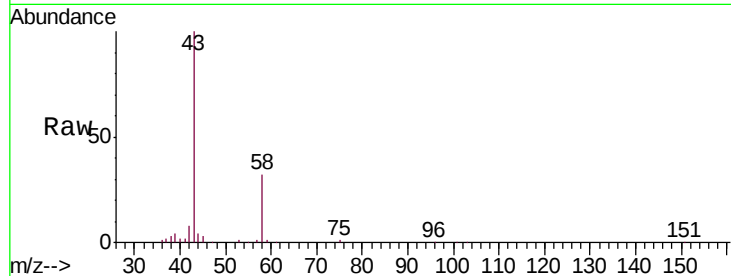
VN0725WBSD01

Tot Ion: 58 Resp: 76983

Ion Ratio Lower Upper

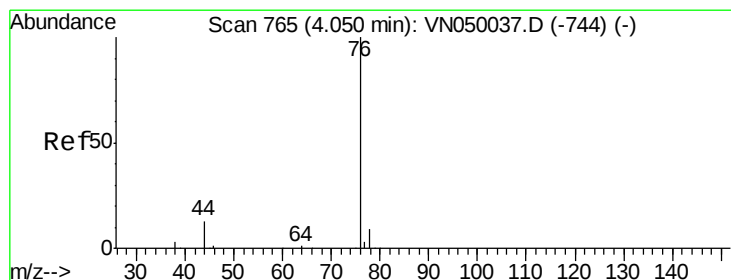
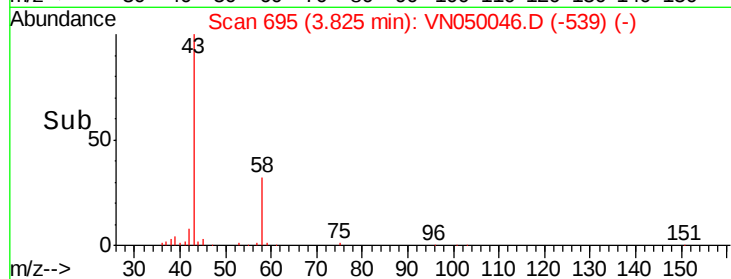
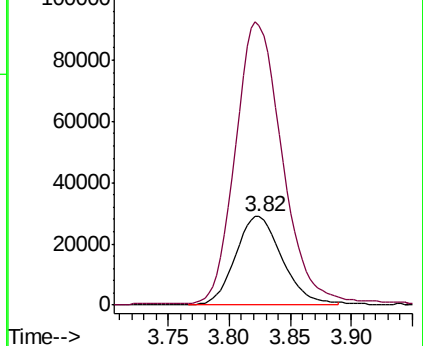
58 100

43 312.7 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.77 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN050046.D

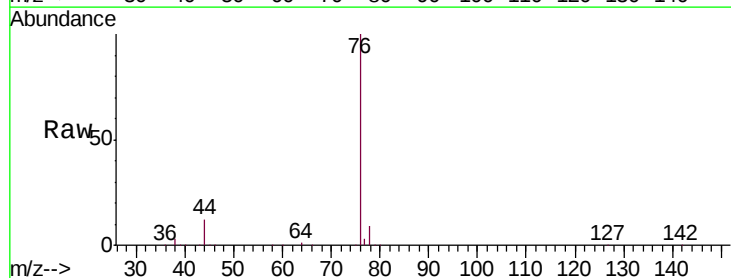
Acq: 25 Jul 2018 15:21

Tgt Ion: 76 Resp: 439480

Ion Ratio Lower Upper

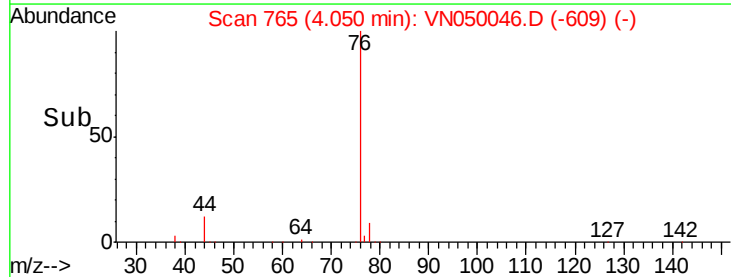
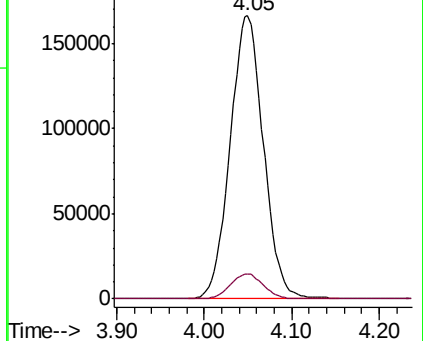
76 100

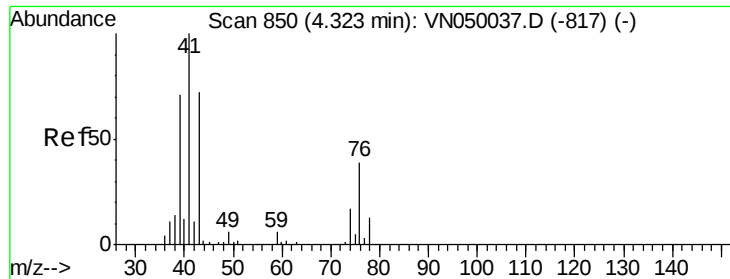
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

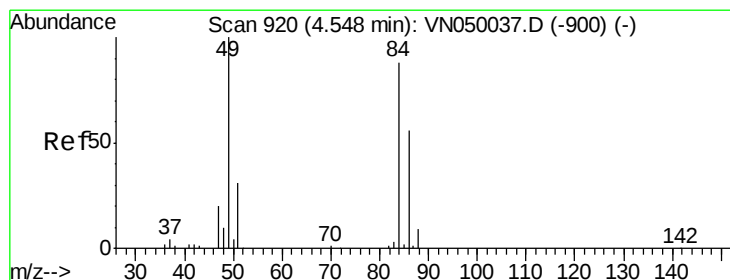
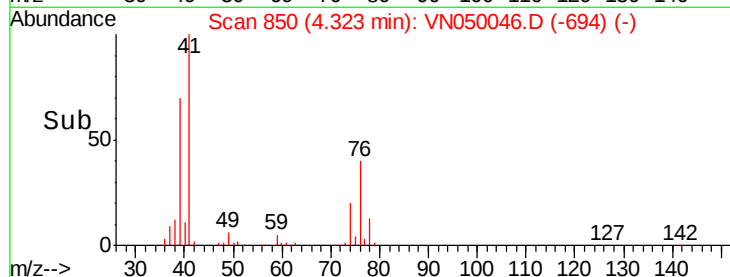
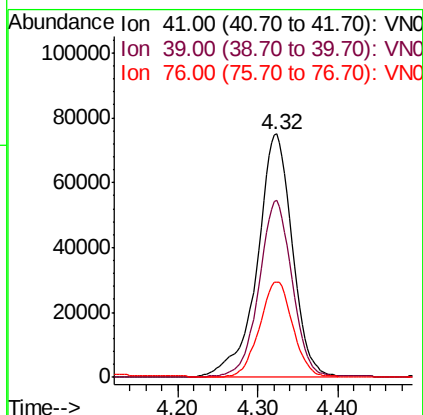
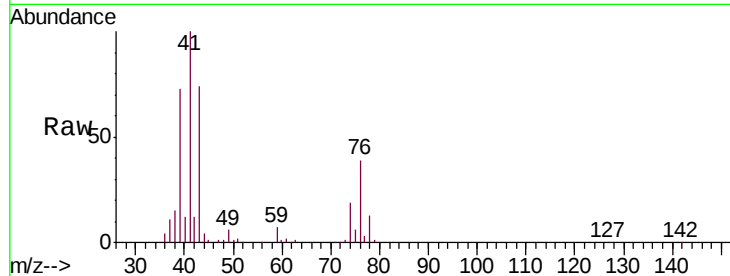




#17
Allvl chloride
Concen: 19.84 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

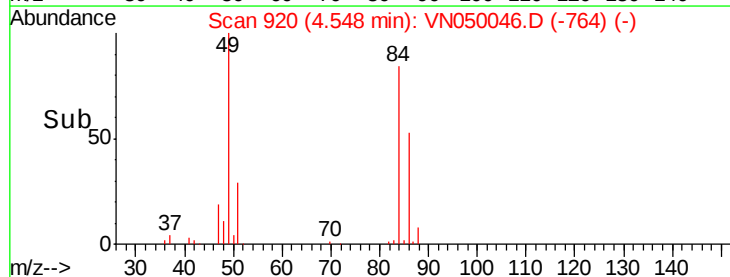
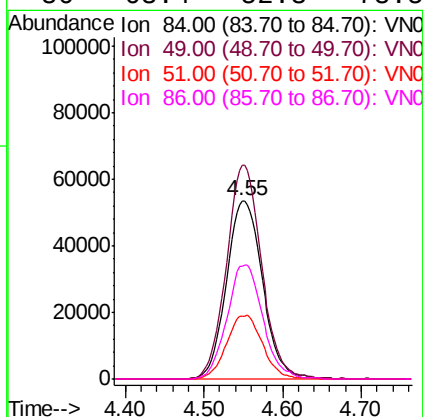
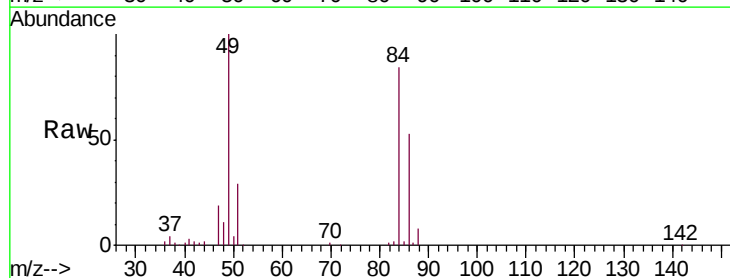
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

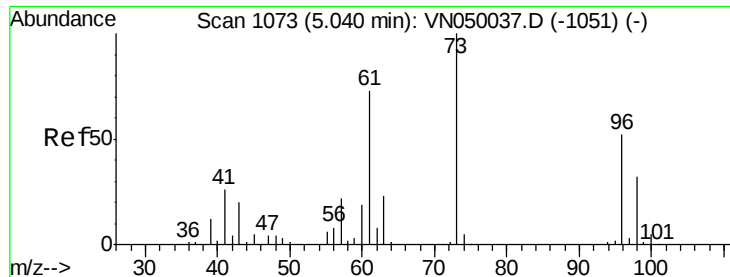
Tot Ion: 41 Resp: 227611
Ion Ratio Lower Upper
41 100
39 72.9 35.4 106.3
76 38.9 19.7 59.1



#18
Methylene Chloride
Concen: 20.39 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 84 Resp: 170983
Ion Ratio Lower Upper
84 100
49 119.4 95.1 142.7
51 35.1 28.8 43.2
86 63.4 52.3 78.5

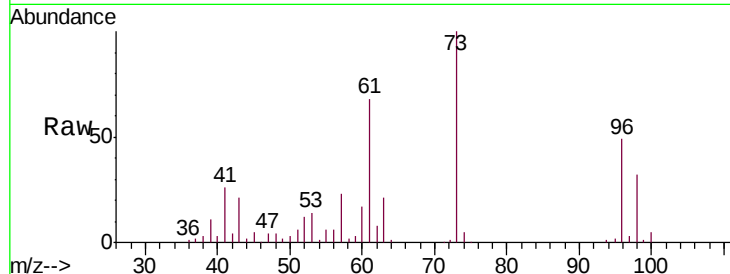




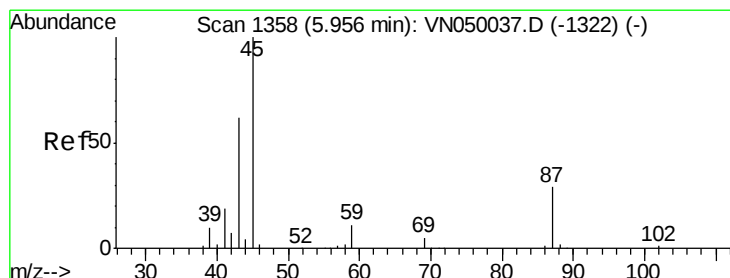
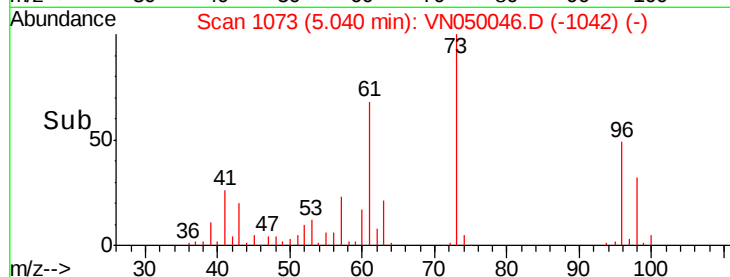
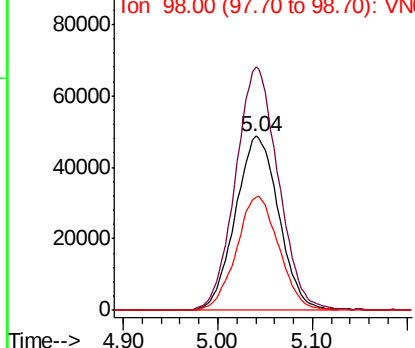
#19
trans-1,2-Dichloroethene
Concen: 19.95 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion: 96 Resp: 155200
Ion Ratio Lower Upper
96 100
61 139.7 112.1 168.1
98 64.9 51.3 76.9

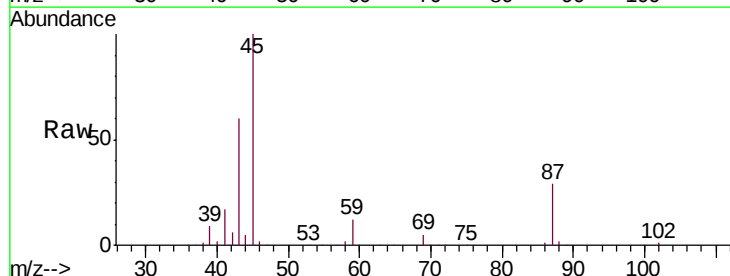


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

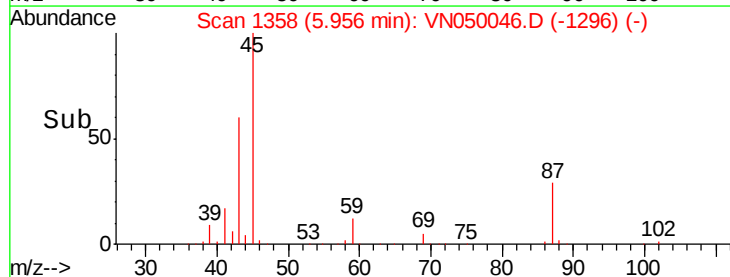
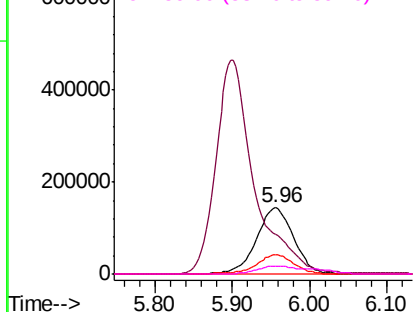


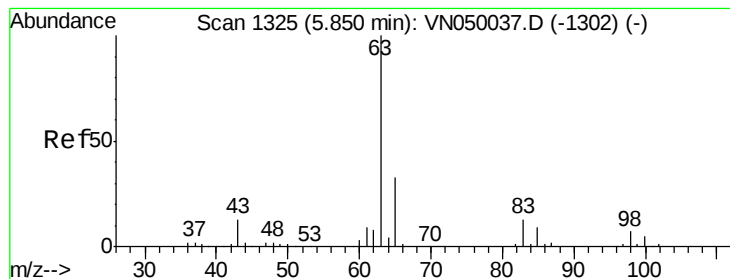
#20
Diisopropyl ether
Concen: 20.49 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 45 Resp: 482070
Ion Ratio Lower Upper
45 100
43 57.1 46.6 70.0
87 28.6 22.3 33.5
59 11.7 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: 19.85 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

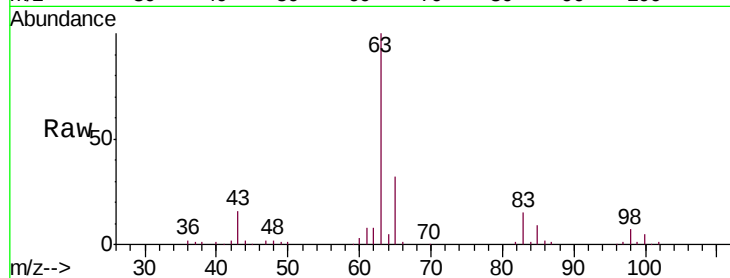
Tot Ion: 63 Resp: 293596

Ion Ratio Lower Upper

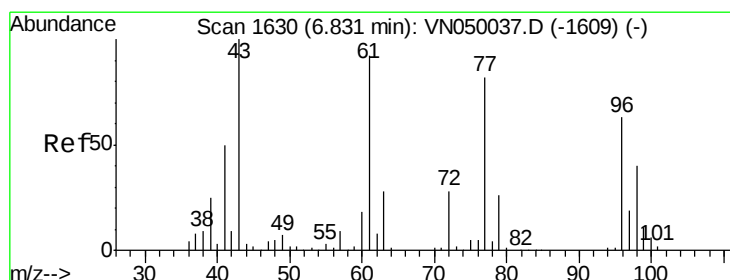
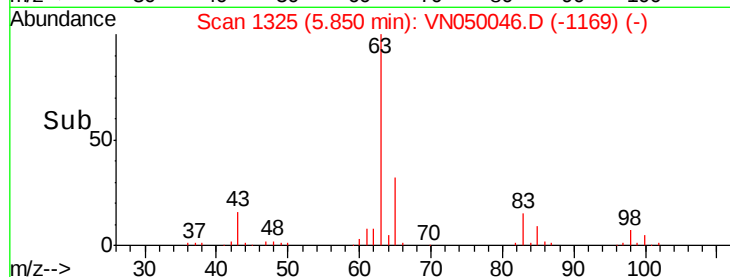
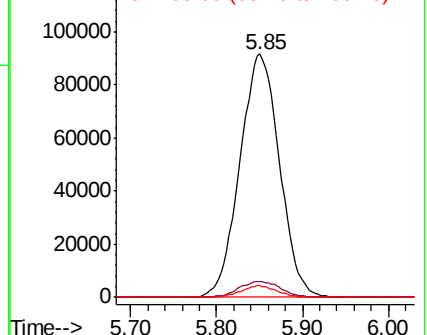
63 100

98 6.7 3.5 10.6

100 4.7 2.3 6.8



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0



#22

cis-1,2-Dichloroethene

Concen: 20.21 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

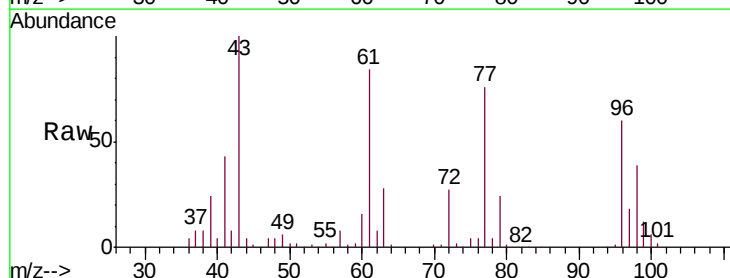
Tgt Ion: 96 Resp: 174375

Ion Ratio Lower Upper

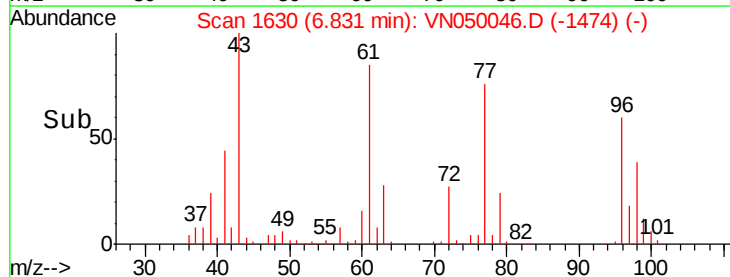
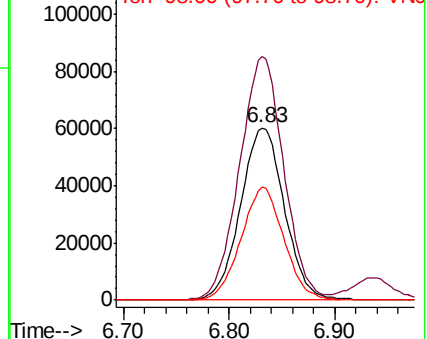
96 100

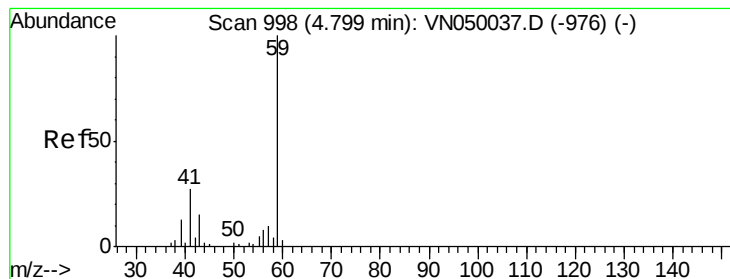
61 142.8 114.2 171.2

98 64.2 51.7 77.5



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





#23

tert-Butyl Alcohol

Concen: 103.99 ug/l

RT: 4.79 min Scan# 996

Delta R.T. -0.01 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

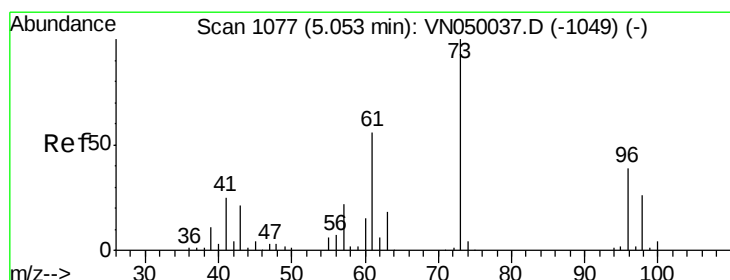
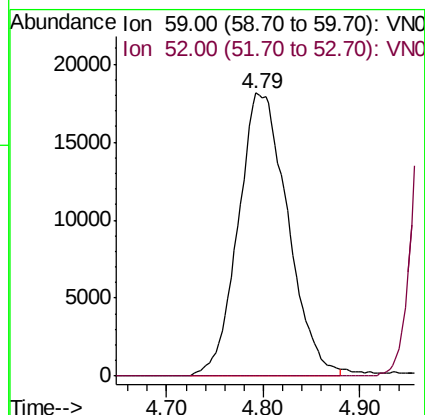
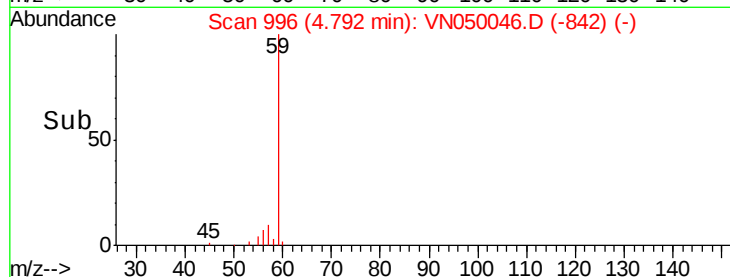
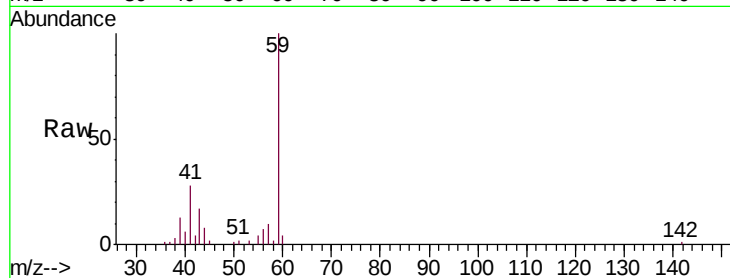
VN0725WBSD01

Tot Ion: 59 Resp: 64588

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.25 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VN050046.D

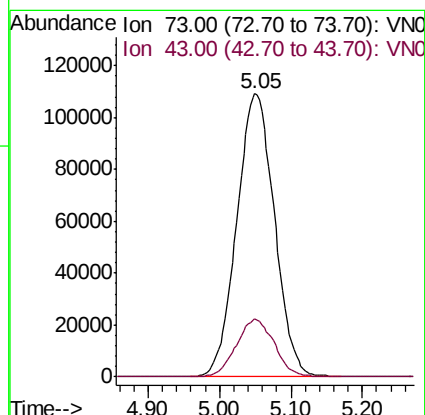
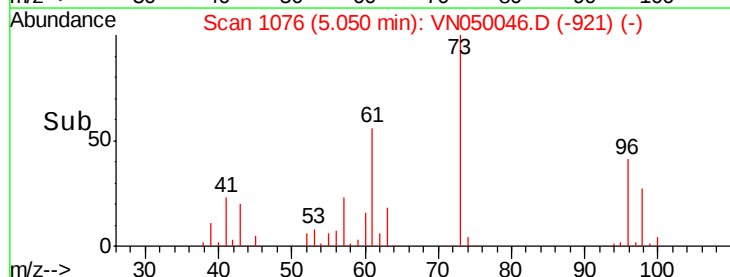
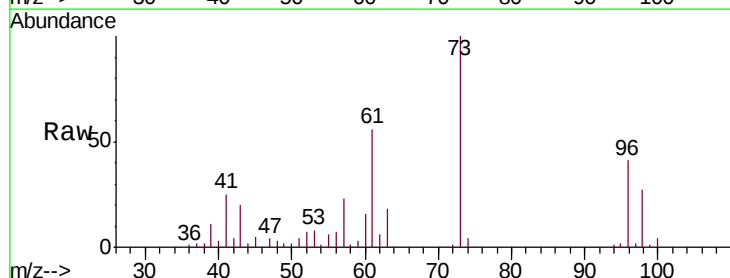
Acq: 25 Jul 2018 15:21

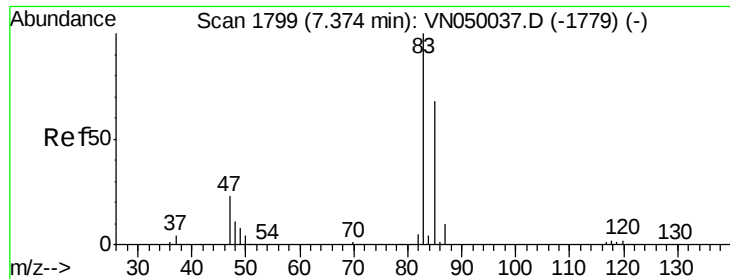
Tgt Ion: 73 Resp: 401143

Ion Ratio Lower Upper

73 100

43 20.1 15.5 23.3

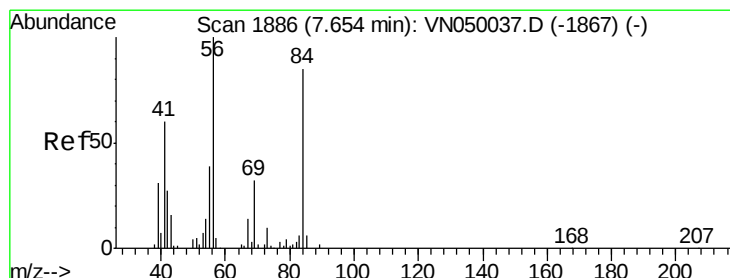
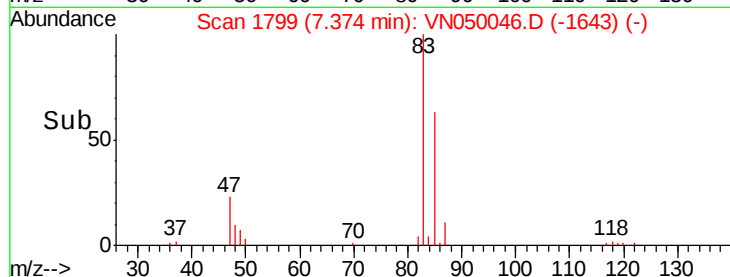
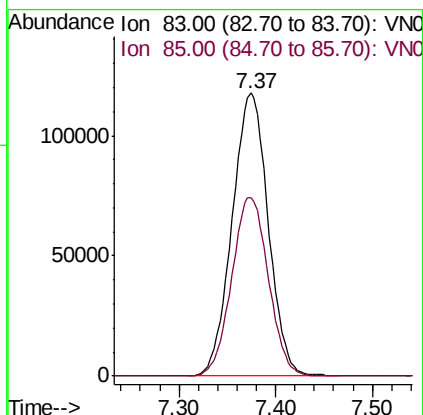
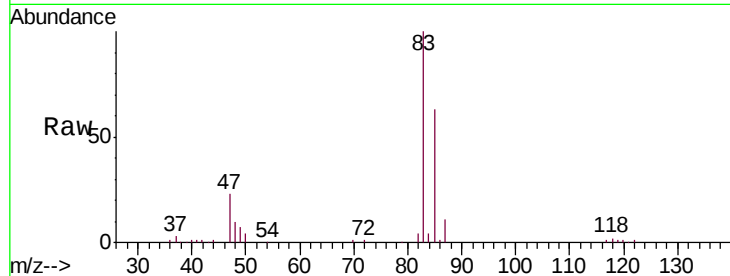




#25
Chloroform
Concen: 20.38 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

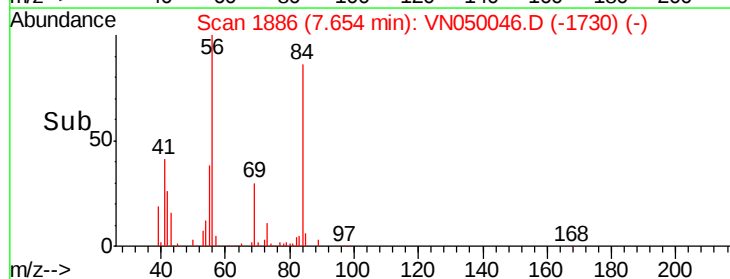
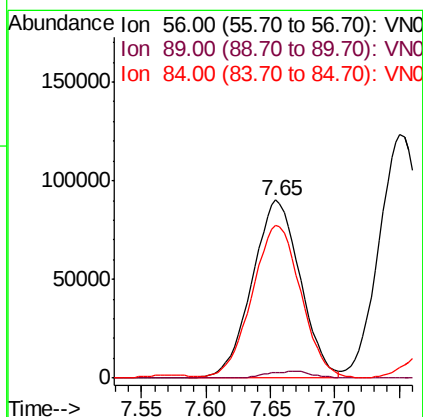
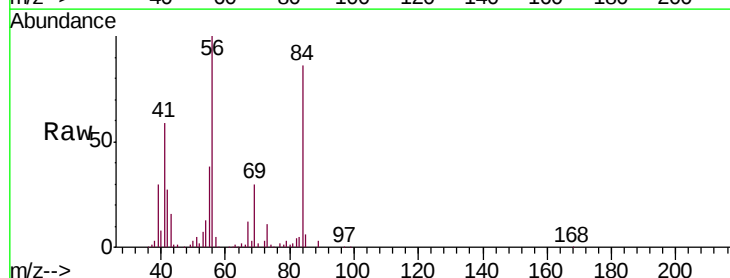
Instrument :
MSVOA_N
ClientSampled :
VN0725WBSD01

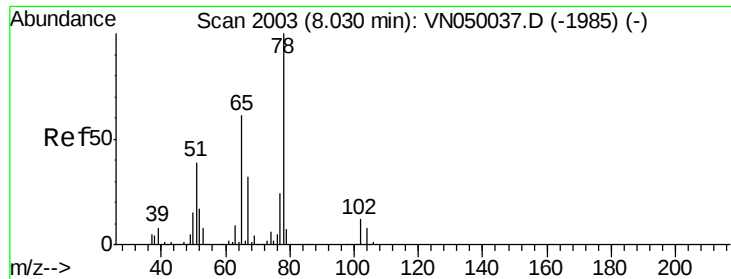
Tot Ion: 83 Resp: 305164
Ion Ratio Lower Upper
83 100
85 63.0 52.1 78.1



#26
Cyclohexane
Concen: 19.95 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 56 Resp: 234501
Ion Ratio Lower Upper
56 100
89 3.6 3.0 4.4
84 87.4 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 30.84 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

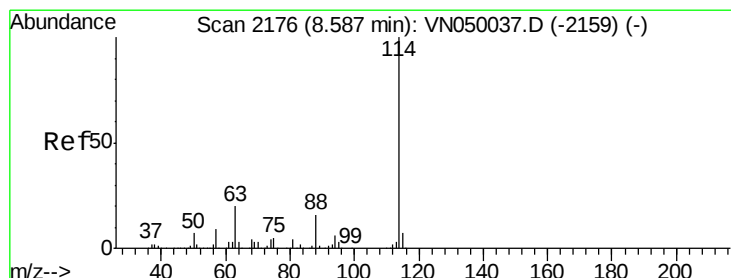
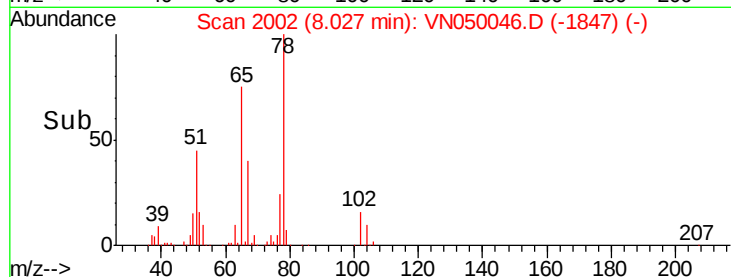
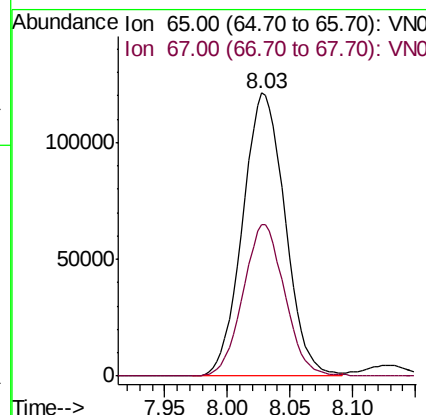
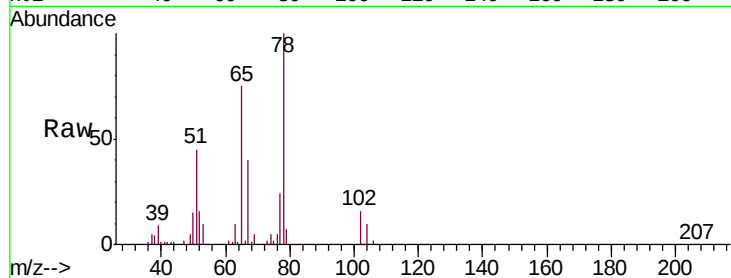
VN0725WBSD01

Tot Ion: 65 Resp: 285682

Ion Ratio Lower Upper

65 100

67 52.6 42.7 64.1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

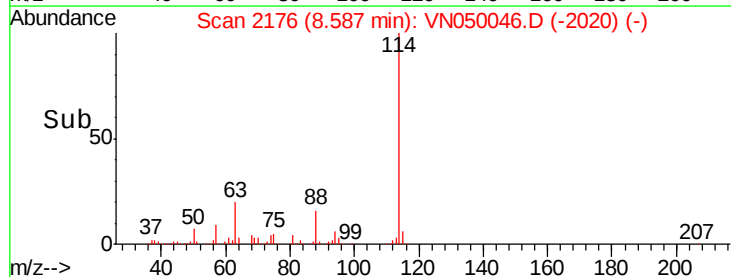
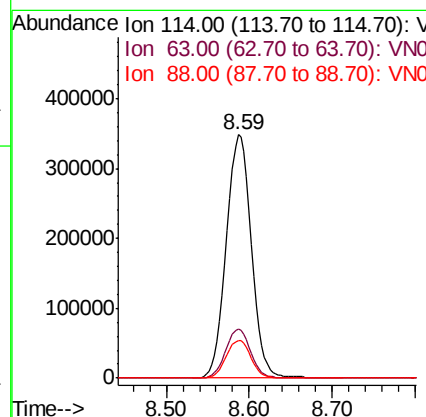
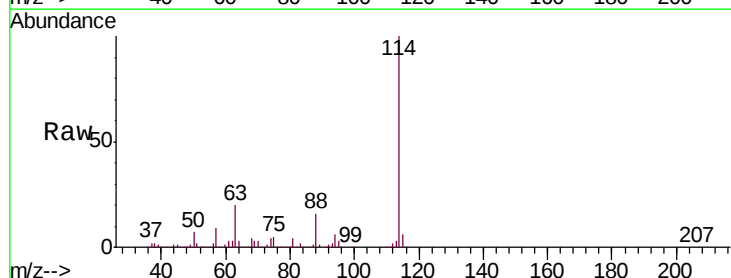
Tgt Ion: 114 Resp: 734301

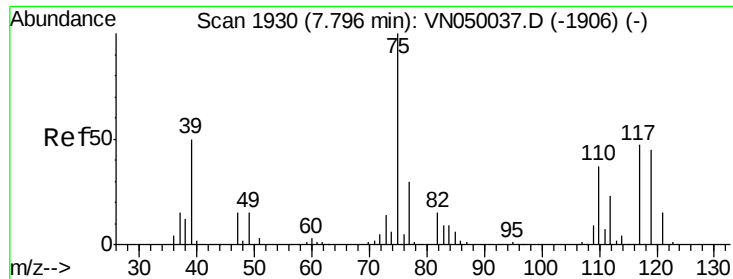
Ion Ratio Lower Upper

114 100

63 20.0 16.2 24.2

88 15.4 12.3 18.5

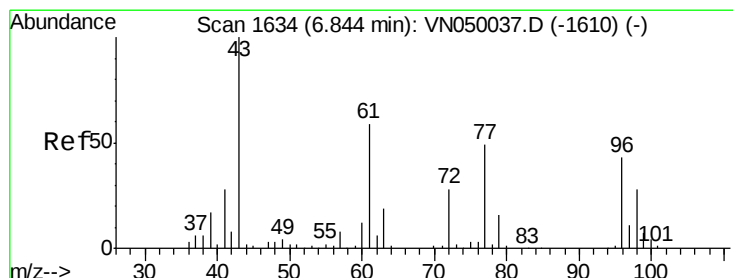
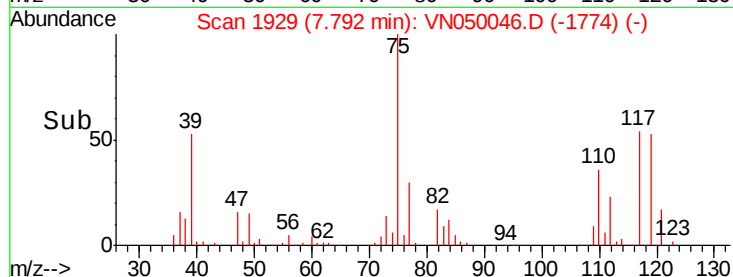
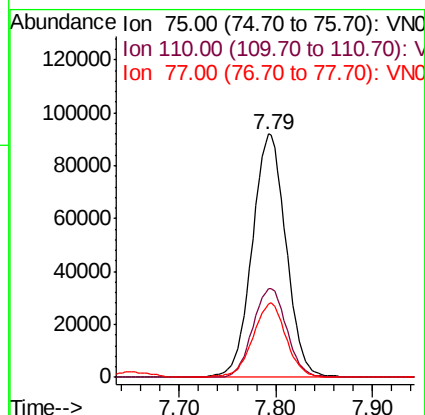
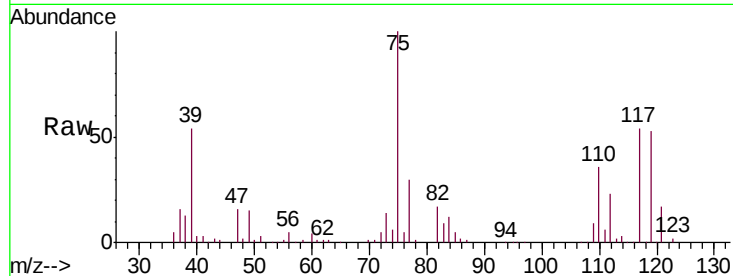




#29
 1,1-Dichloropropene
 Concen: 19.58 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

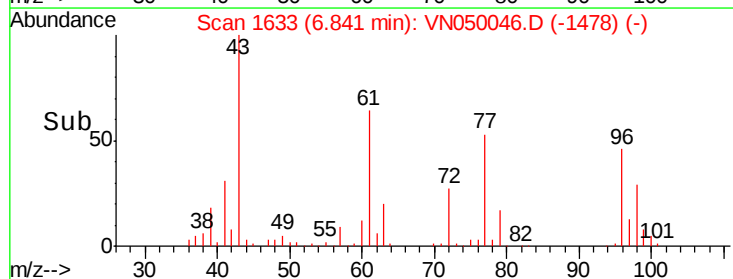
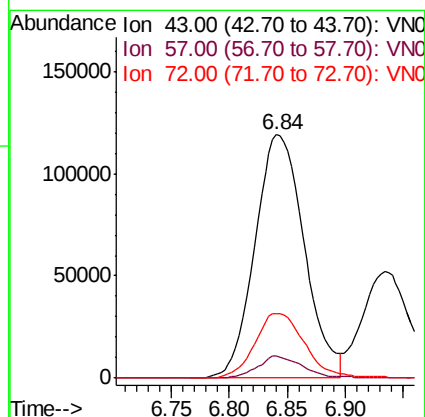
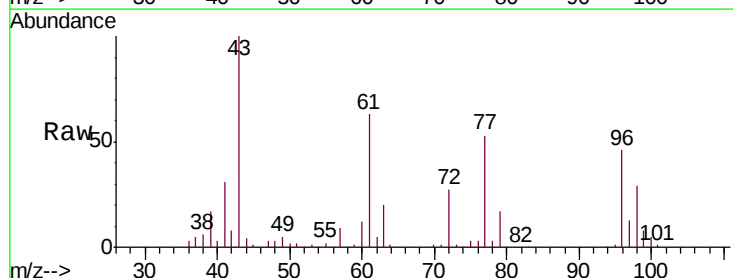
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

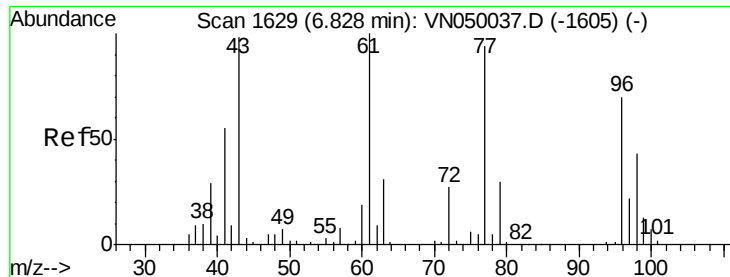
Tot Ion: 75 Resp: 223128
 Ion Ratio Lower Upper
 75 100
 110 36.6 0.0 73.2
 77 30.2 0.0 62.0



#30
 2-Butanone
 Concen: 98.30 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion: 43 Resp: 351510
 Ion Ratio Lower Upper
 43 100
 57 8.3 6.8 10.2
 72 27.1 21.4 32.0





#31

2,2-Dichloropropane

Concen: 19.97 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

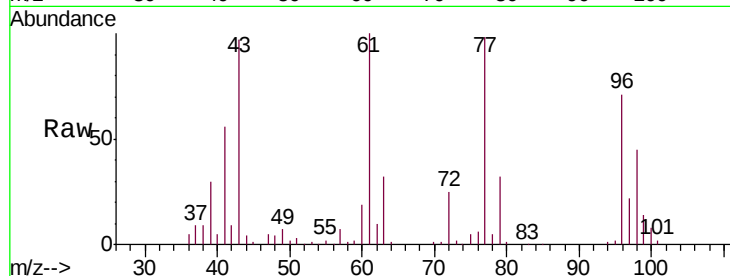
VN0725WBSD01

Tot Ion: 77 Resp: 251546

Ion Ratio Lower Upper

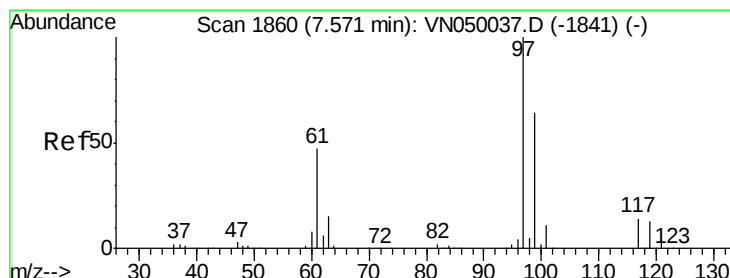
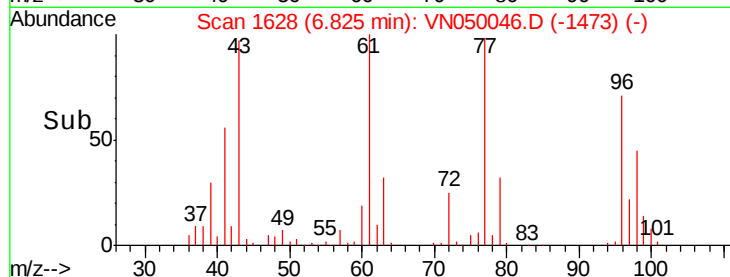
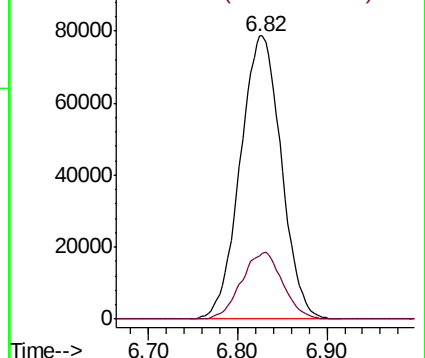
77 100

97 23.7 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.22 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

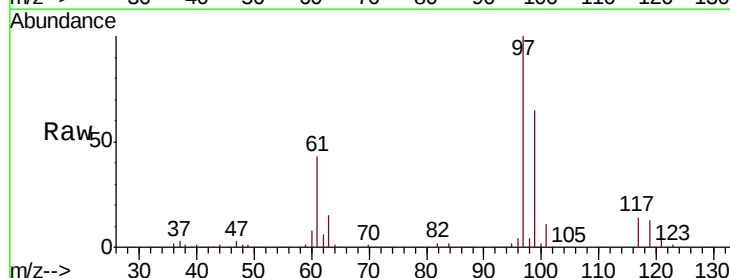
Tgt Ion: 97 Resp: 257803

Ion Ratio Lower Upper

97 100

99 64.5 51.2 76.8

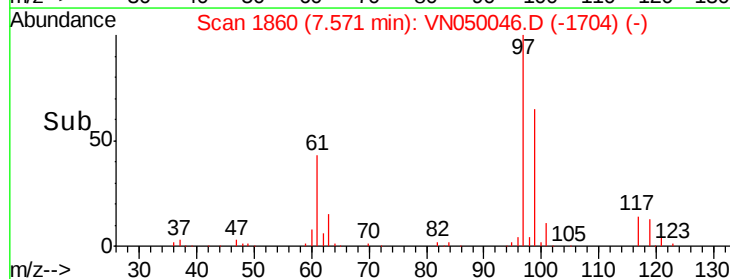
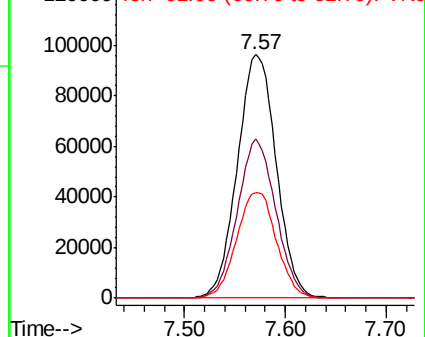
61 44.6 35.3 52.9

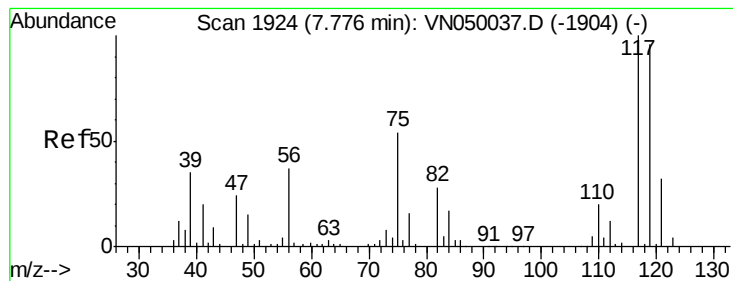


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#33

Carbon Tetrachloride

Concen: 19.05 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

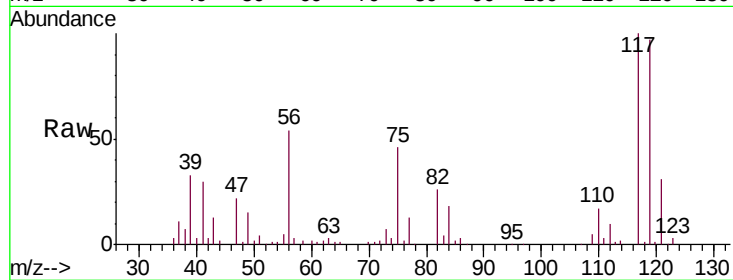
Tot Ion:117 Resp: 227726

Ion Ratio Lower Upper

117 100

119 97.1 76.9 115.3

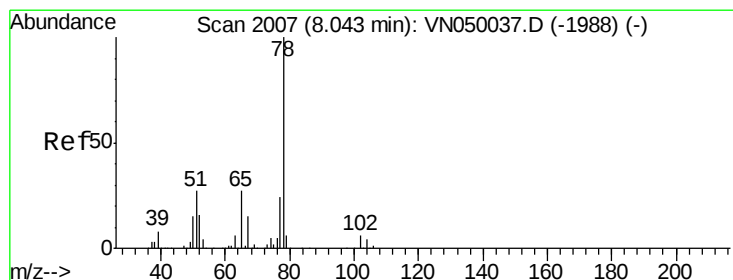
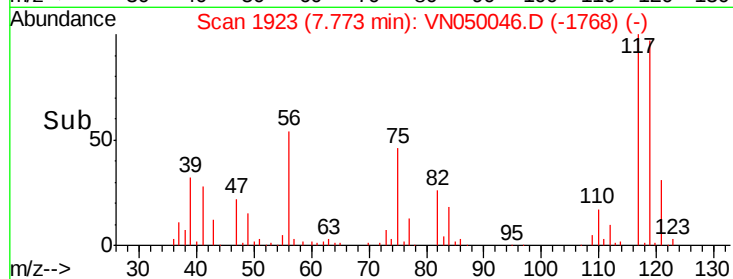
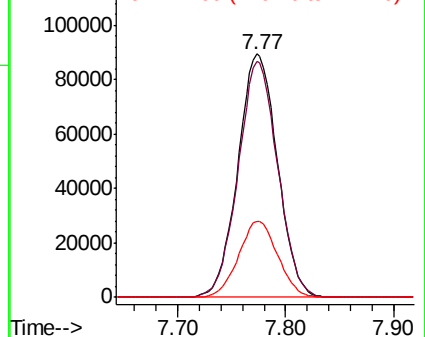
121 31.4 24.4 36.6



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: 19.21 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

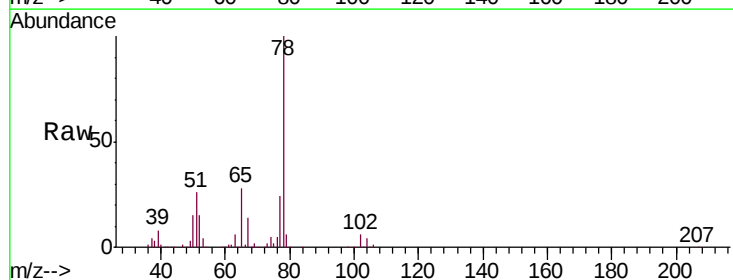
Tgt Ion: 78 Resp: 664930

Ion Ratio Lower Upper

78 100

77 24.0 19.1 28.7

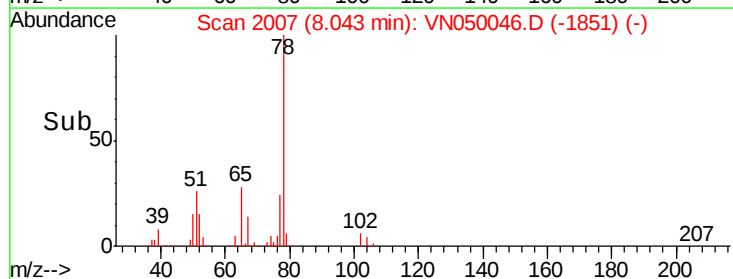
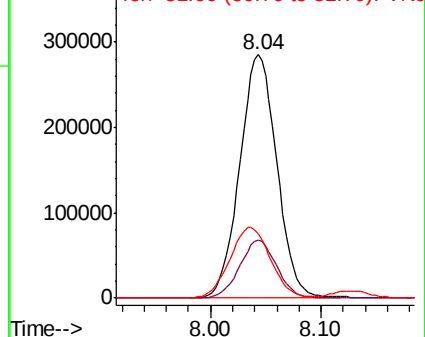
51 26.2 21.0 31.4

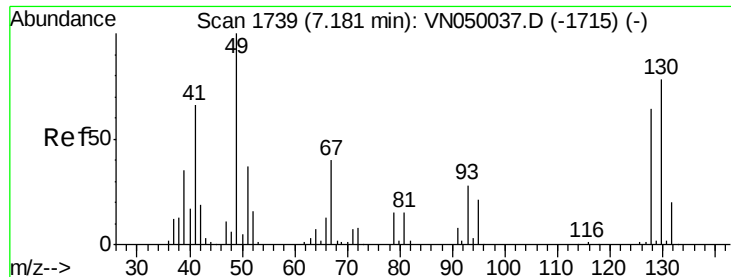


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

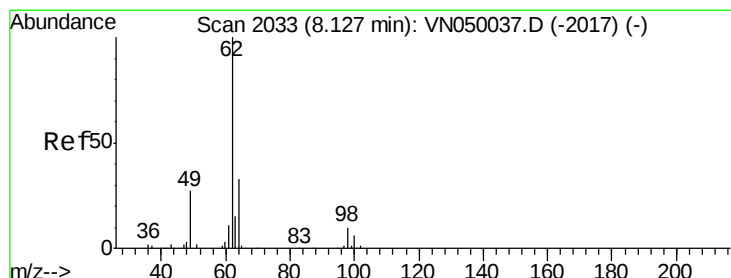
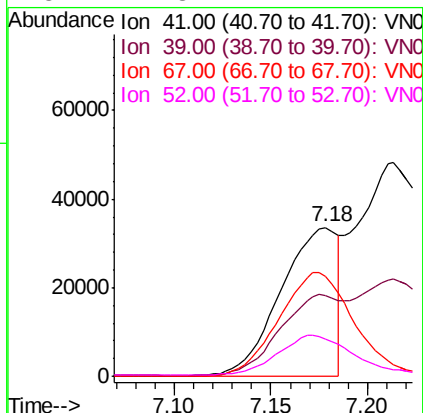
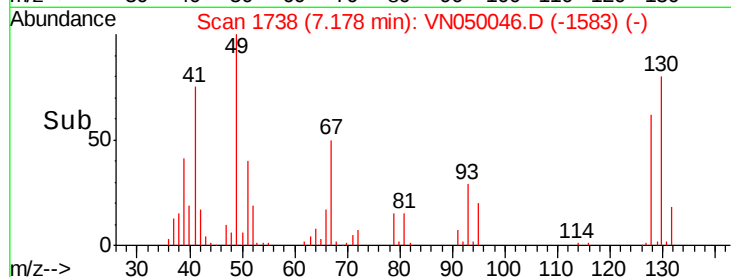
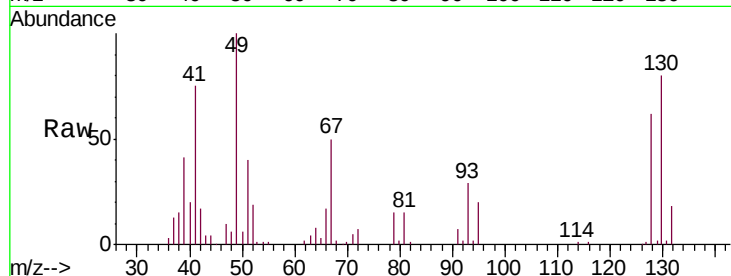




#35
Methacrylonitrile
Concen: 16.92 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

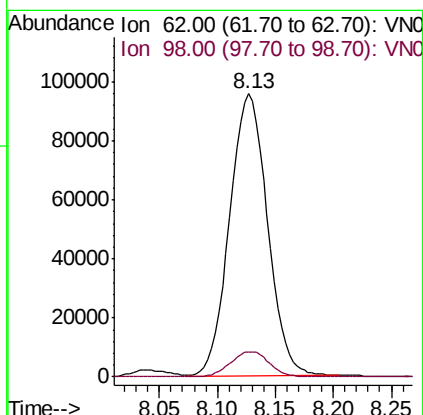
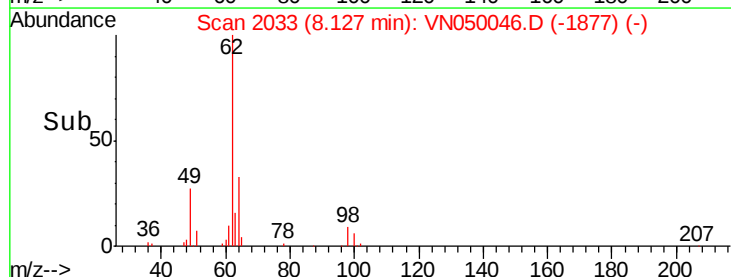
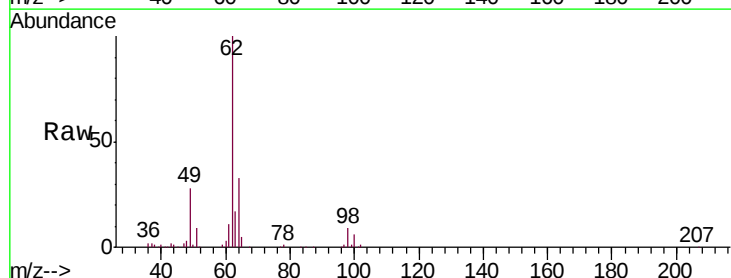
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

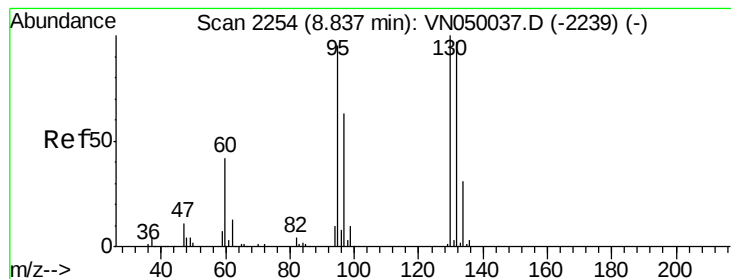
Tot Ion: 41 Resp: 68881
Ion Ratio Lower Upper
41 100
39 54.4 27.6 82.7
67 67.0 35.1 105.5
52 24.3 14.1 42.4



#36
1,2-Dichloroethane
Concen: 19.13 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 62 Resp: 217412
Ion Ratio Lower Upper
62 100
98 9.2 7.8 11.6





#37

Trichloroethene

Concen: 19.55 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

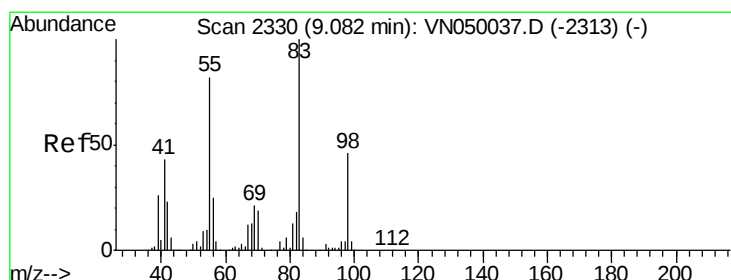
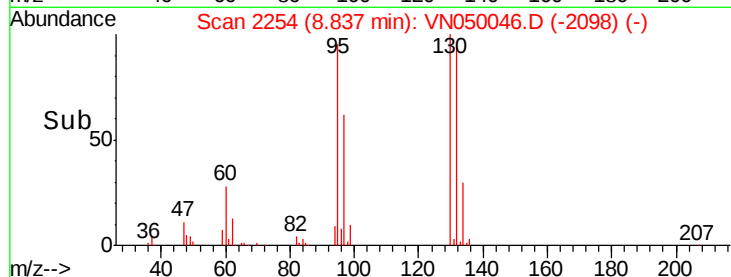
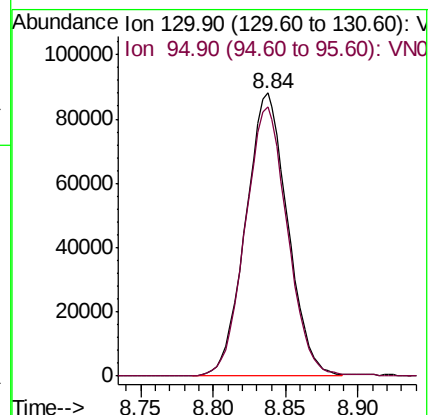
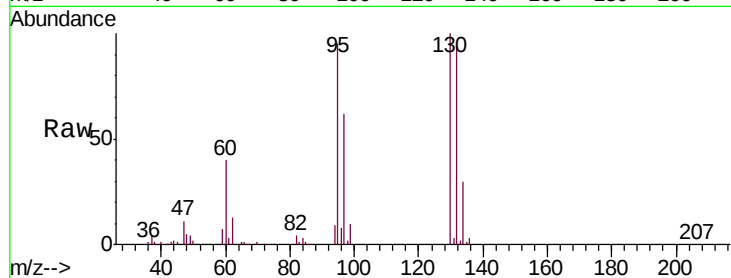
VN0725WBSD01

Tot Ion:130 Resp: 177418

Ion Ratio Lower Upper

130 100

95 95.0 79.7 119.5



#38

Methylcyclohexane

Concen: 19.06 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

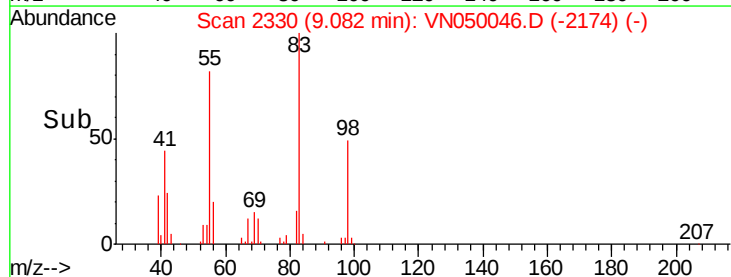
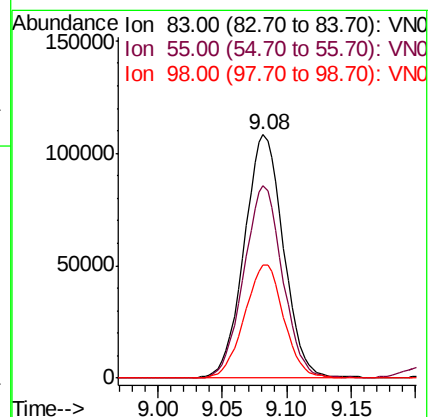
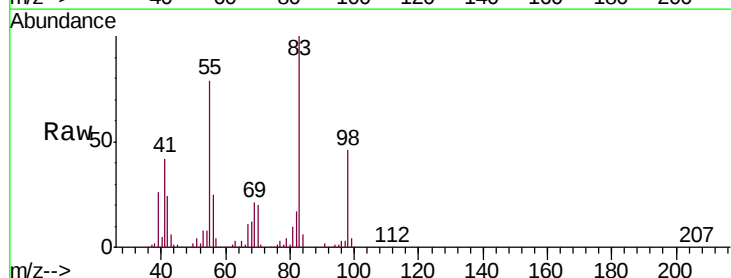
Tgt Ion: 83 Resp: 228944

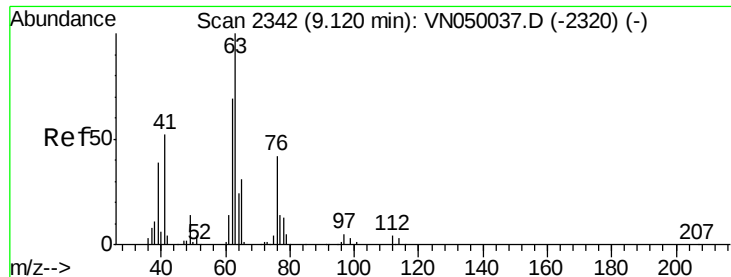
Ion Ratio Lower Upper

83 100

55 78.1 39.3 117.8

98 46.7 23.0 69.0





#39

1,2-Dichloropropane

Concen: 19.45 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

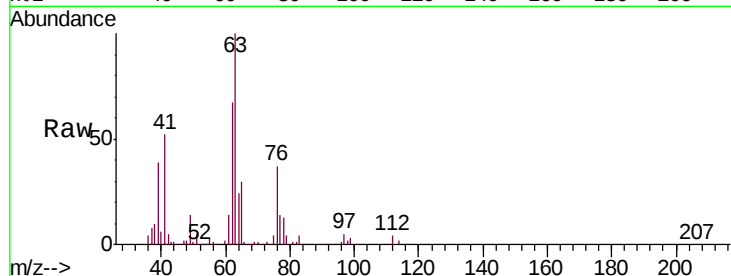
VN0725WBSD01

Tot Ion: 63 Resp: 177284

Ion Ratio Lower Upper

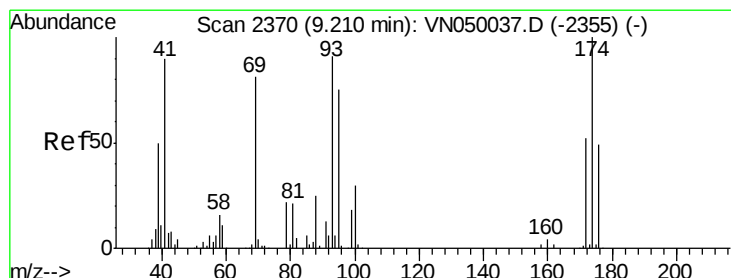
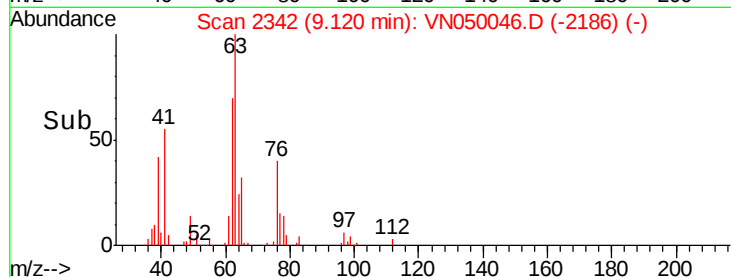
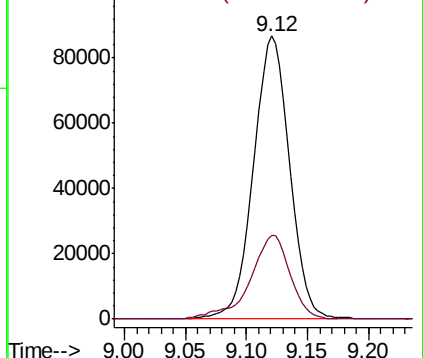
63 100

65 29.3 24.2 36.2



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.12 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

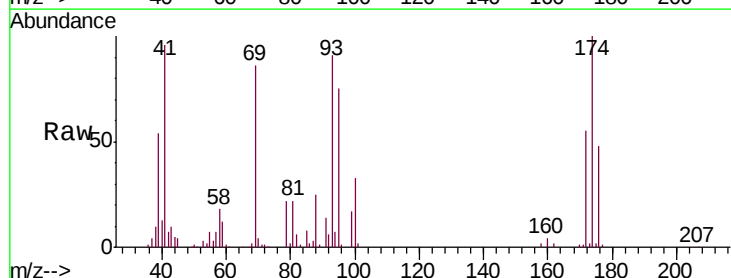
Tgt Ion: 93 Resp: 107738

Ion Ratio Lower Upper

93 100

95 83.3 0.0 165.6

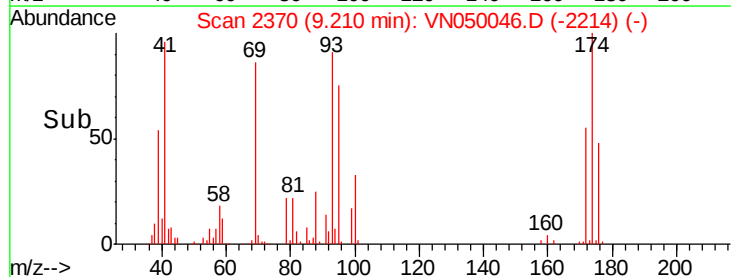
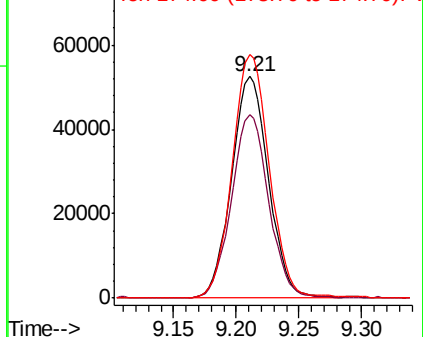
174 109.7 0.0 223.2

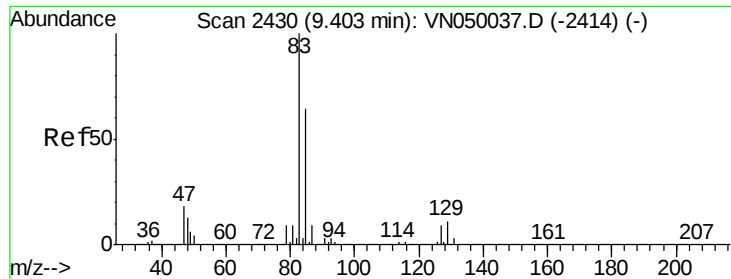


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

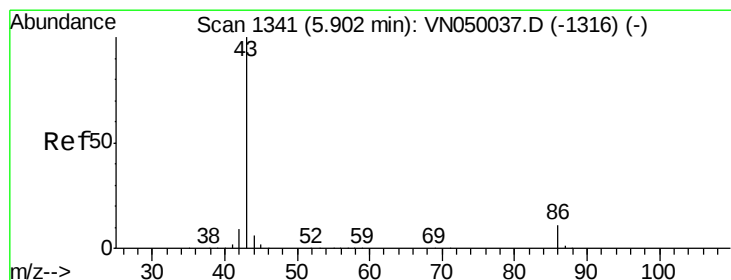
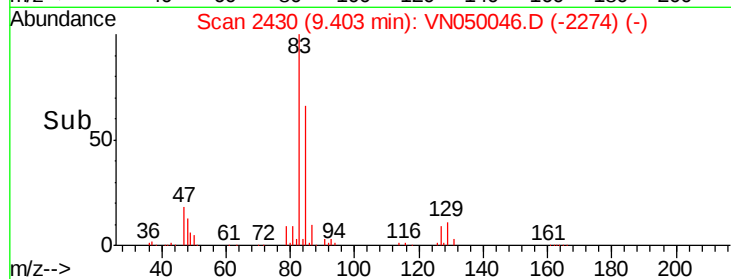
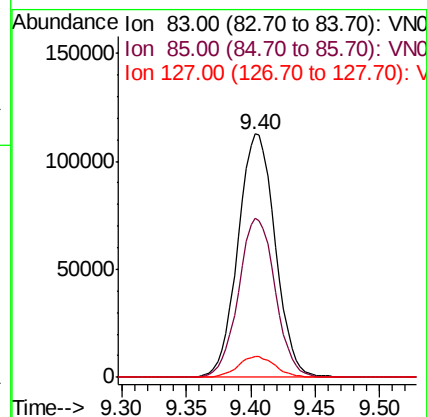
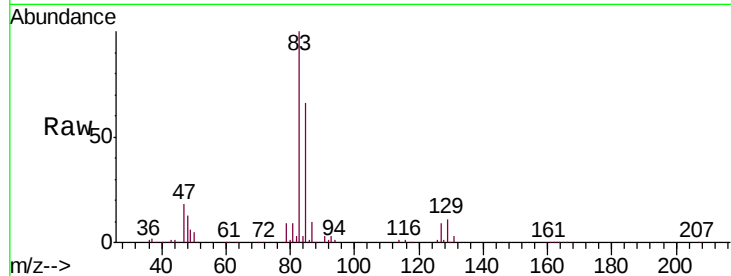




#41
 Bromodichloromethane
 Concen: 19.05 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

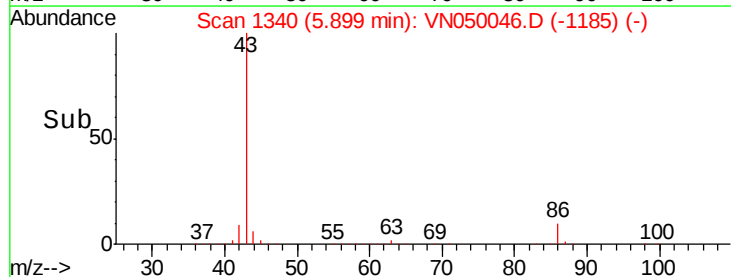
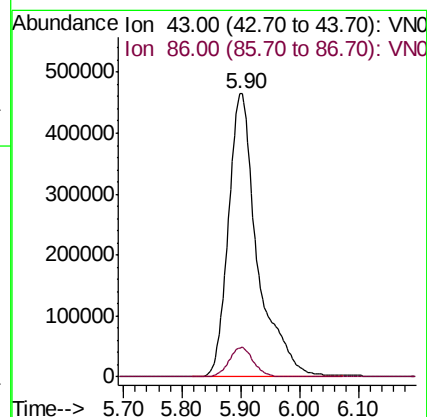
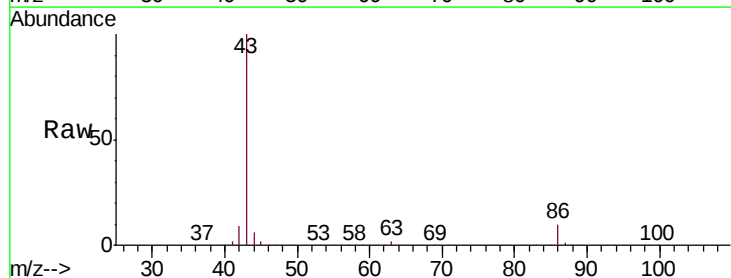
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

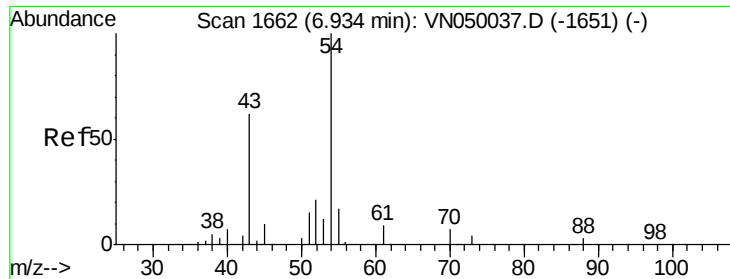
Tot Ion: 83 Resp: 226435
 Ion Ratio Lower Upper
 83 100
 85 65.5 52.6 78.8
 127 8.7 7.0 10.4



#42
 Vinyl Acetate
 Concen: 95.22 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion: 43 Resp: 1602271
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.3 10.9

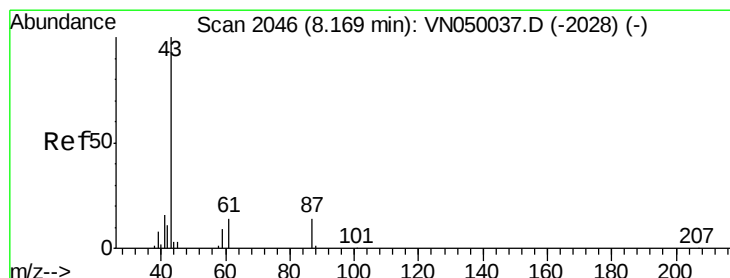
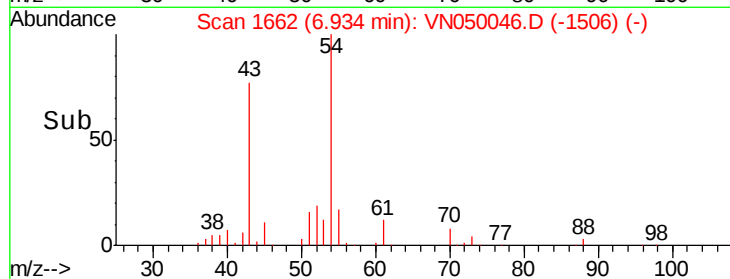
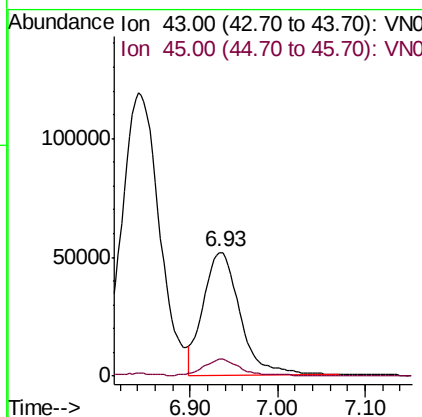
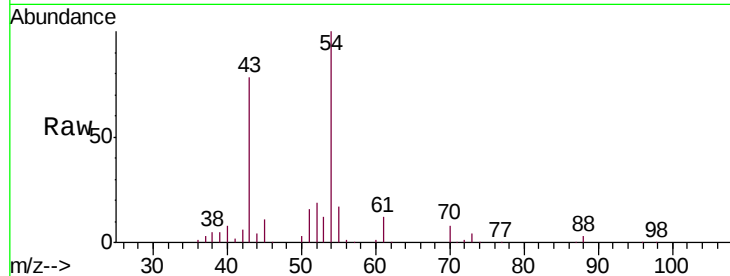




#43
Ethyl Acetate
Concen: 20.22 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

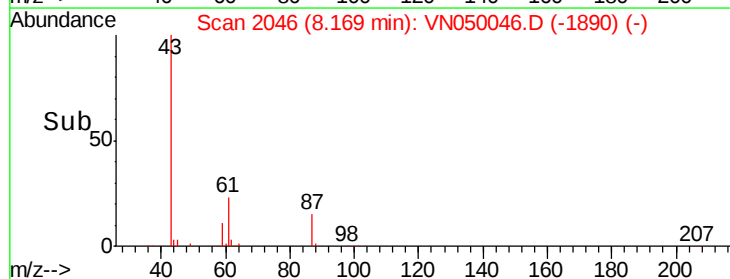
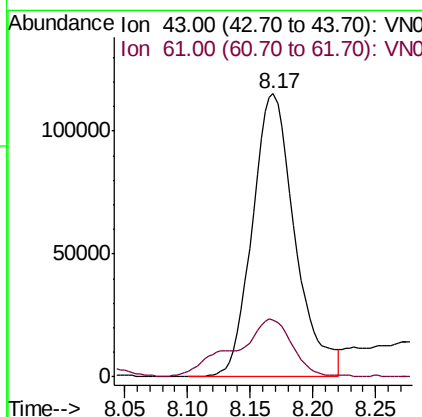
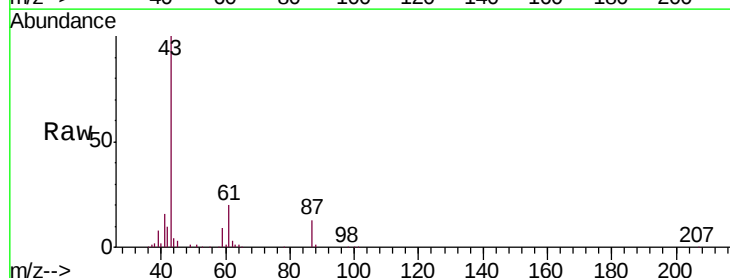
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

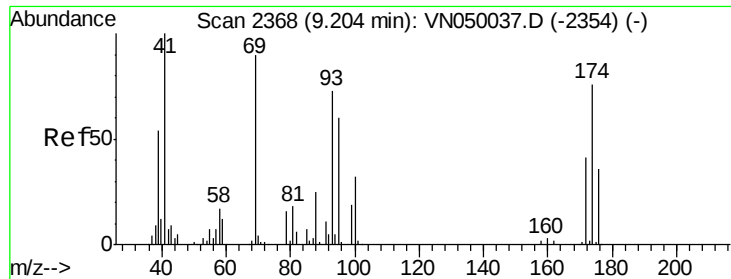
Tot Ion: 43 Resp: 150979
Ion Ratio Lower Upper
43 100
45 12.3 13.0 19.6#



#44
Isopropyl Acetate
Concen: 19.80 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 43 Resp: 273854
Ion Ratio Lower Upper
43 100
61 18.8 16.4 24.6





#45

1,4-Dioxane

Concen: 372.97 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

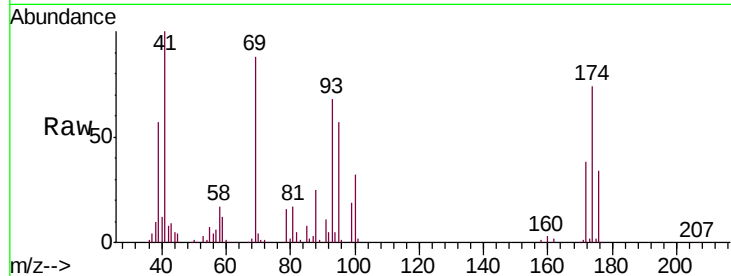
Tot Ion: 88 Resp: 33950

Ion Ratio Lower Upper

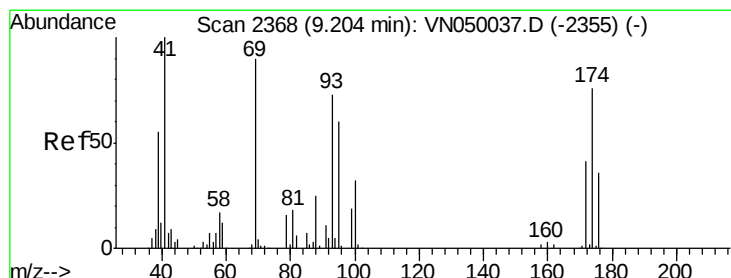
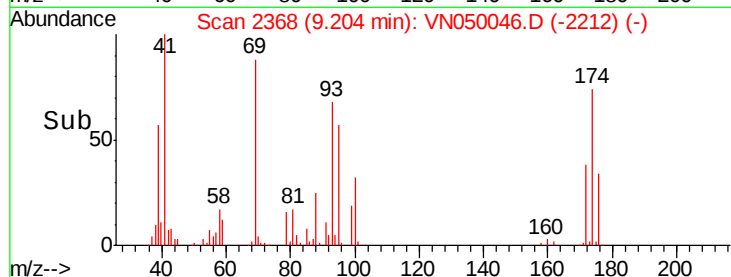
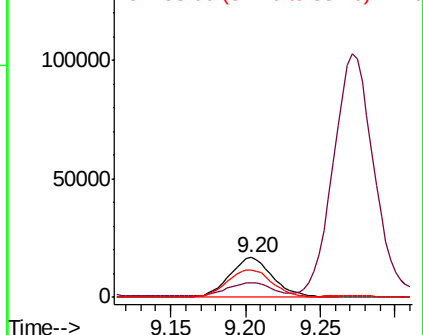
88 100

43 34.4 26.9 40.3

58 71.4 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: 19.02 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

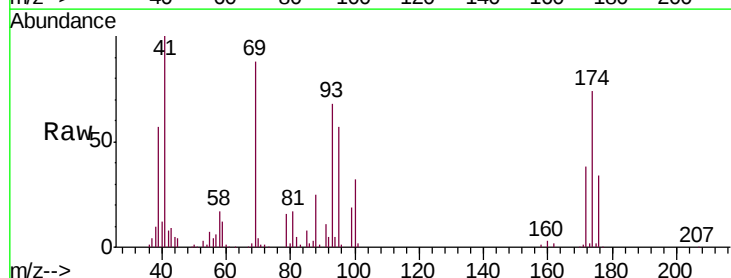
Tgt Ion: 41 Resp: 127520

Ion Ratio Lower Upper

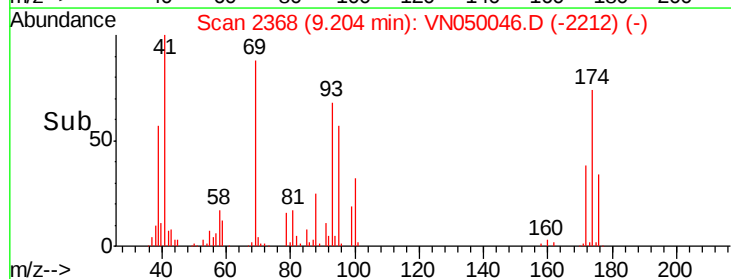
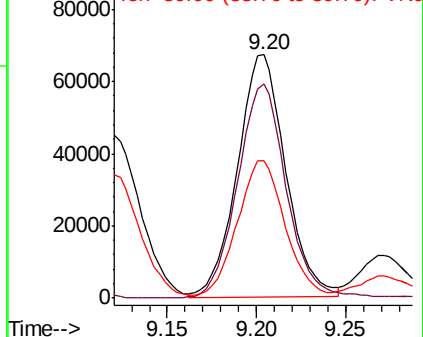
41 100

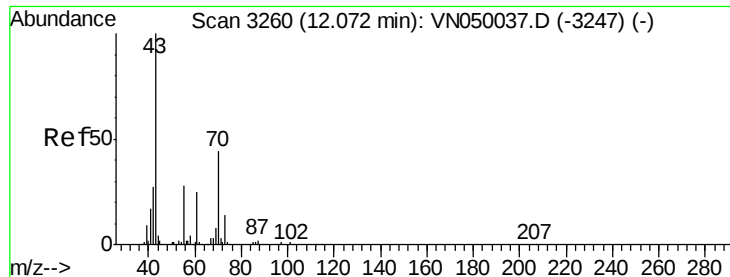
69 89.1 44.0 132.1

39 56.2 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-amvl Acetate

Concen: 17.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

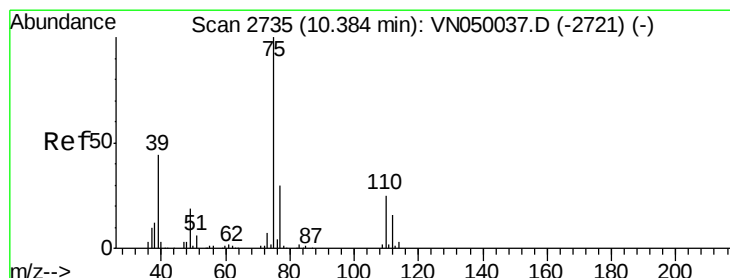
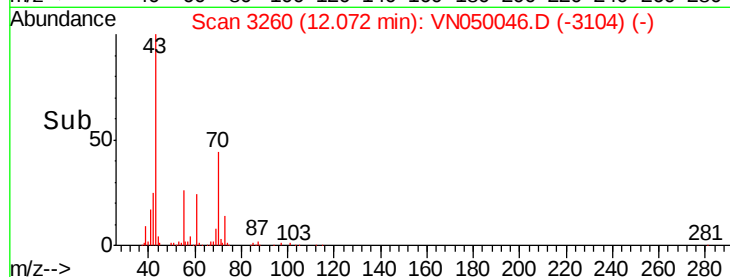
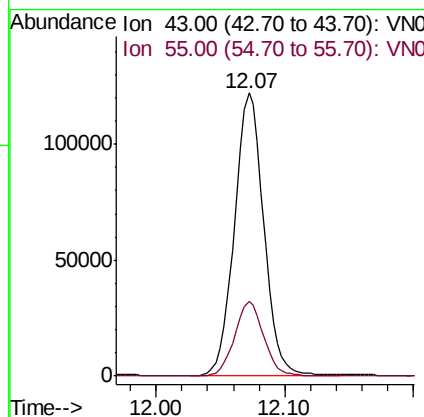
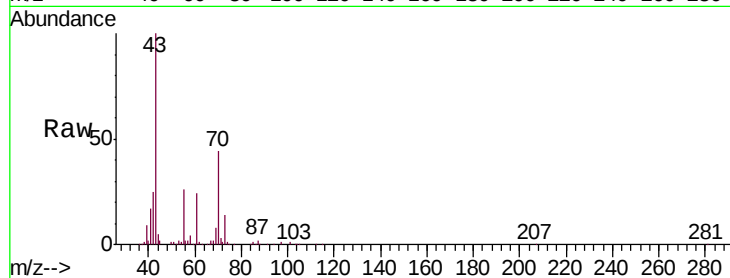
VN0725WBSD01

Tot Ion: 43 Resp: 191732

Ion Ratio Lower Upper

43 100

55 26.2 21.0 31.4



#48

t-1,3-Dichloropropene

Concen: 18.47 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050046.D

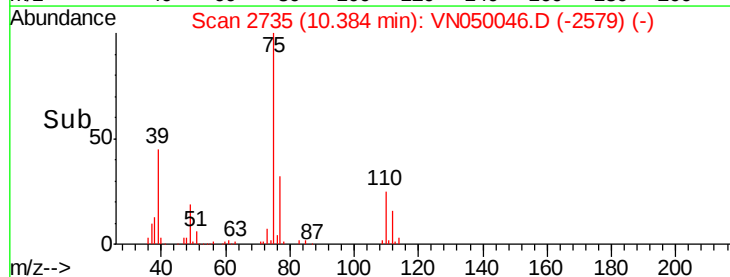
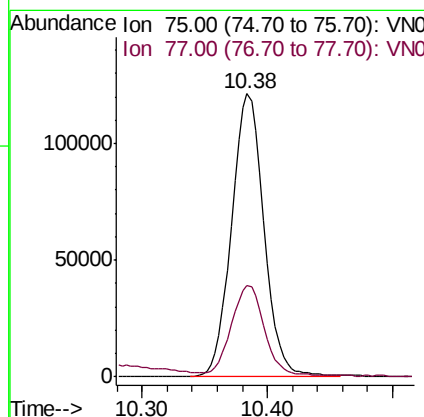
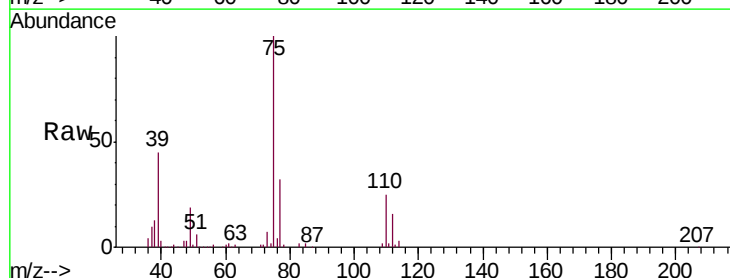
Acq: 25 Jul 2018 15:21

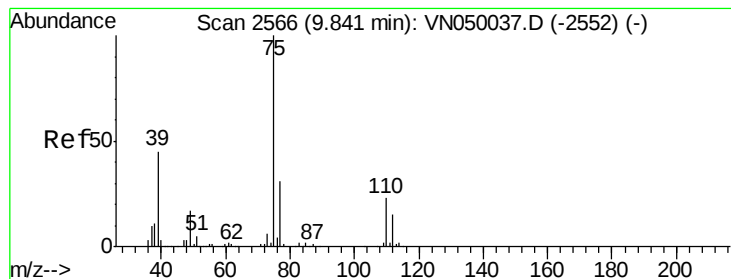
Tgt Ion: 75 Resp: 217676

Ion Ratio Lower Upper

75 100

77 31.8 24.6 37.0





#49

cis-1,3-Dichloropropene

Concen: 19.20 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

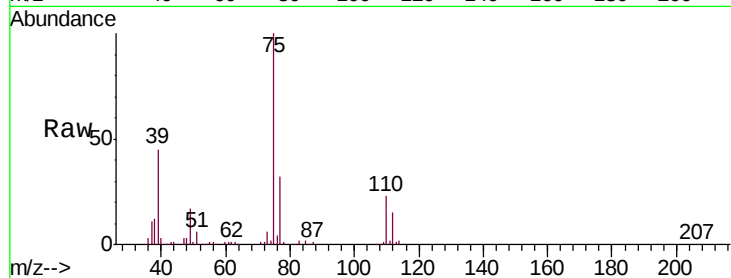
Tot Ion: 75 Resp: 255593

Ion Ratio Lower Upper

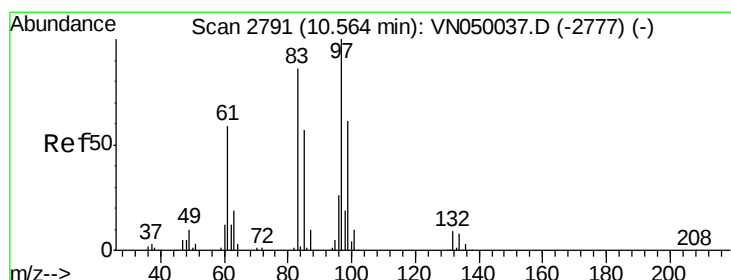
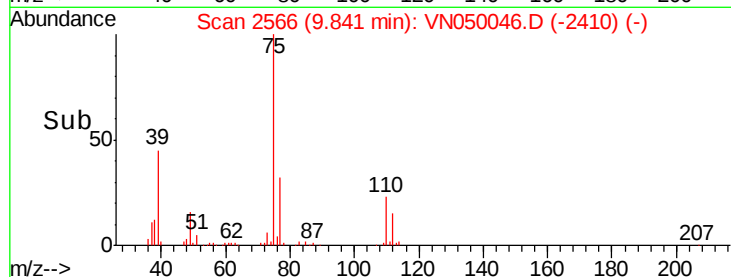
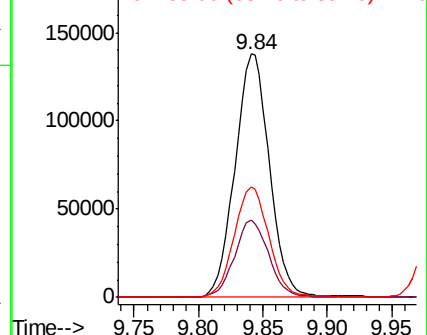
75 100

77 31.5 25.7 38.5

39 45.1 36.3 54.5



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



#50

1,1,2-Trichloroethane

Concen: 18.78 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Tgt Ion: 97 Resp: 151919

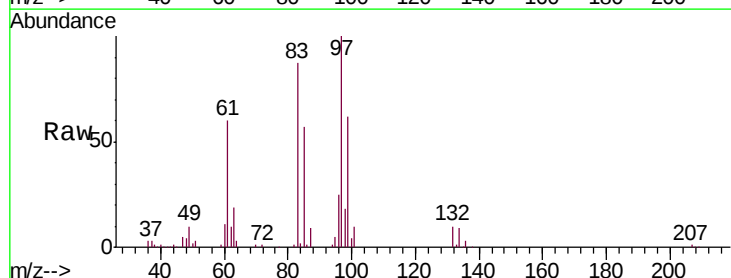
Ion Ratio Lower Upper

97 100

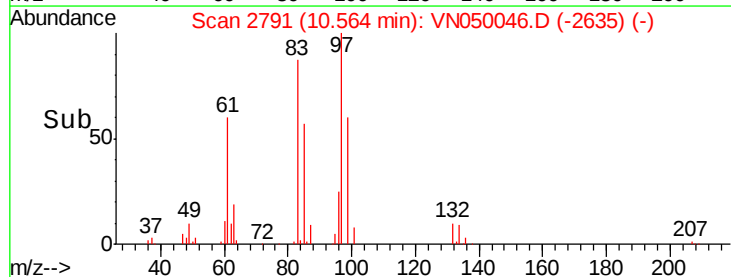
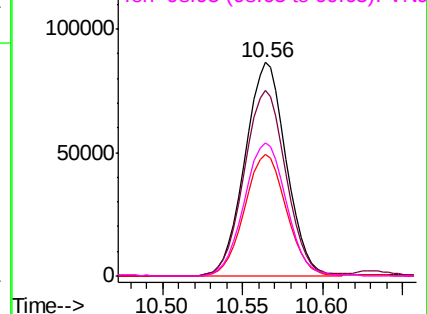
83 86.8 68.1 102.1

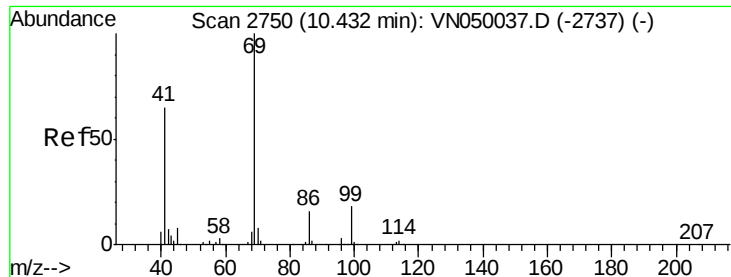
85 57.1 45.4 68.2

99 62.1 49.4 74.0



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





#51

Ethyl methacrylate

Concen: 18.16 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampled :

VN0725WBSD01

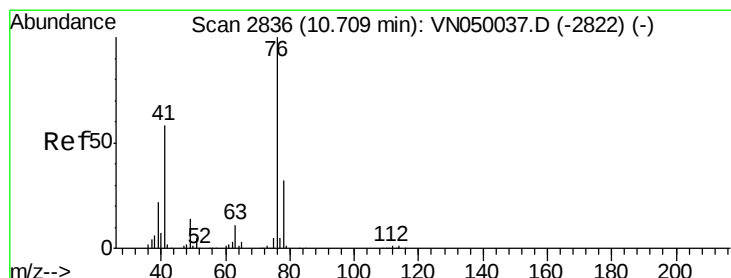
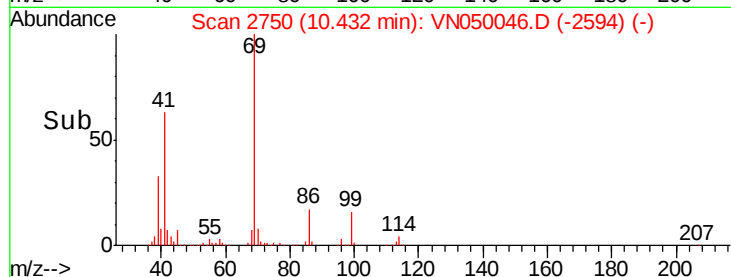
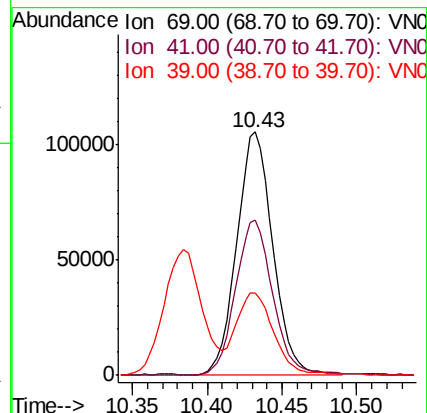
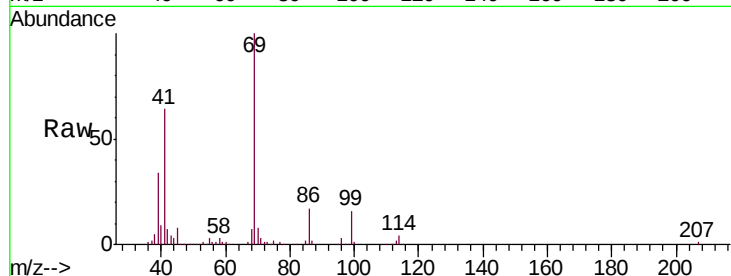
Tot Ion: 69 Resp: 178300

Ion Ratio Lower Upper

69 100

41 63.3 31.9 95.9

39 33.1 16.7 50.1



#52

1,3-Dichloropropane

Concen: 18.77 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050046.D

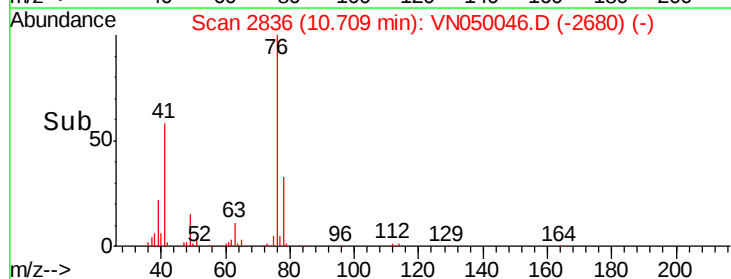
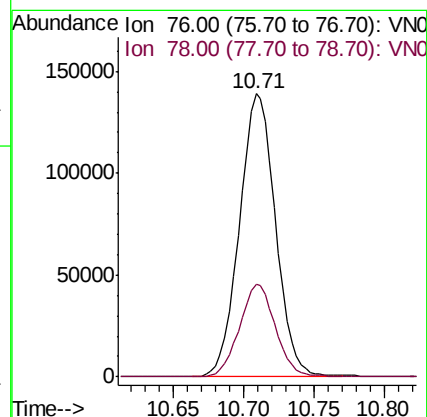
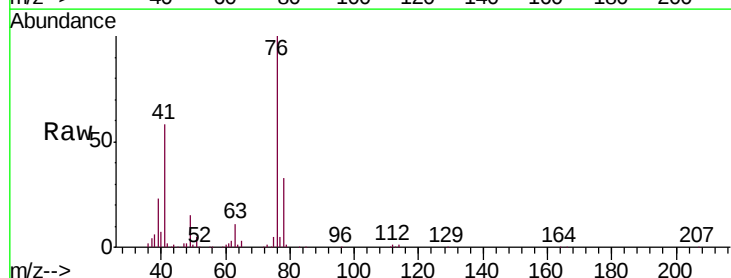
Acq: 25 Jul 2018 15:21

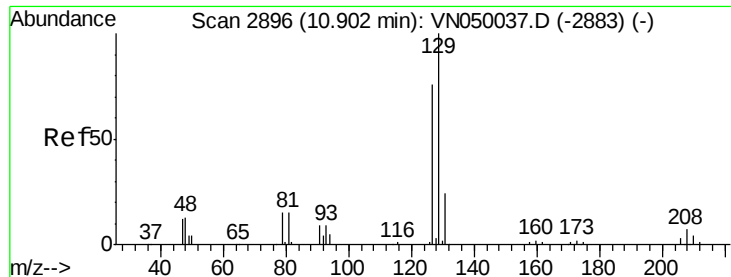
Tgt Ion: 76 Resp: 249307

Ion Ratio Lower Upper

76 100

78 32.7 0.0 65.6

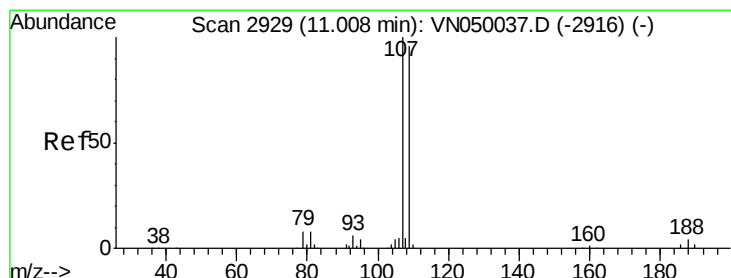
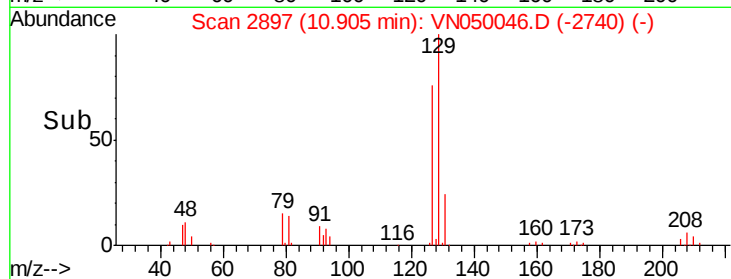
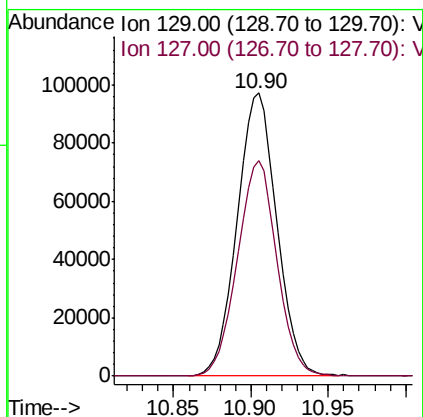
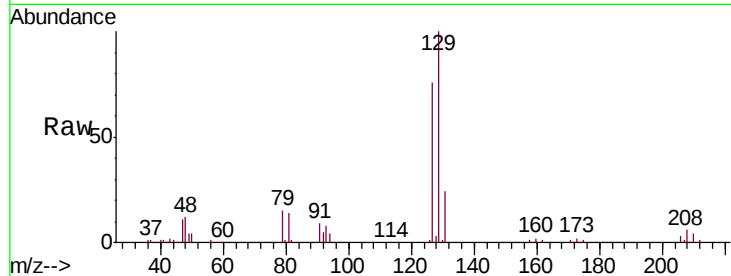




#53
 Dibromochloromethane
 Concen: 18.91 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

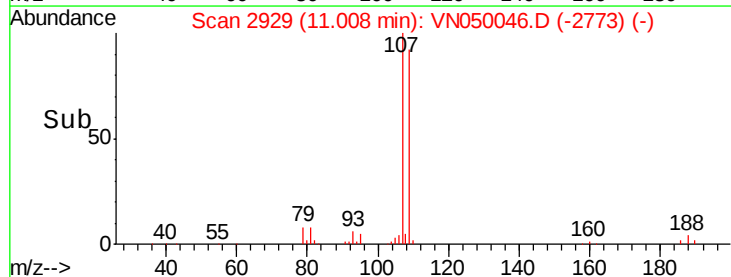
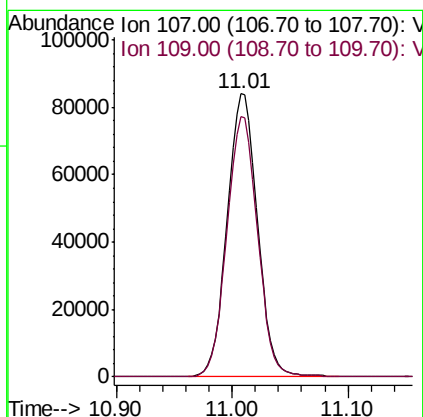
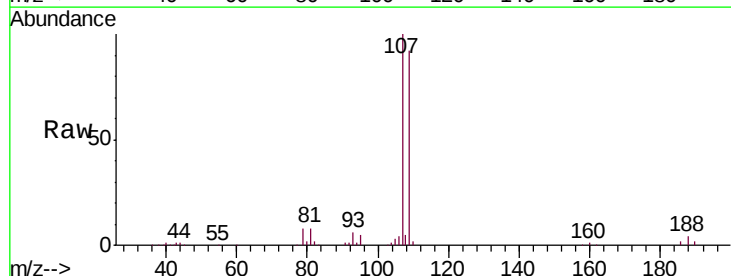
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

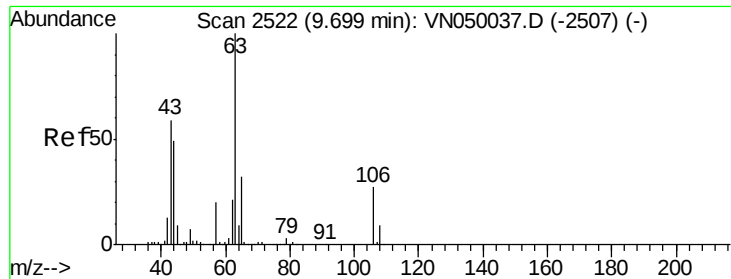
Tot Ion:129 Resp: 173546
 Ion Ratio Lower Upper
 129 100
 127 75.7 38.1 114.5



#54
 1,2-Dibromoethane
 Concen: 19.16 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion:107 Resp: 151749
 Ion Ratio Lower Upper
 107 100
 109 93.2 76.2 114.2





#55

2-Chloroethyl vinyl ether

Concen: 94.15 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

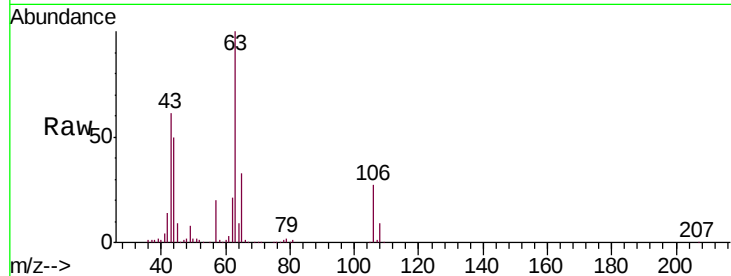
Tot Ion: 63 Resp: 418330

Ion Ratio Lower Upper

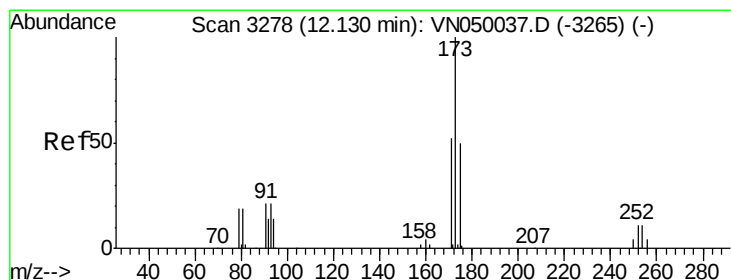
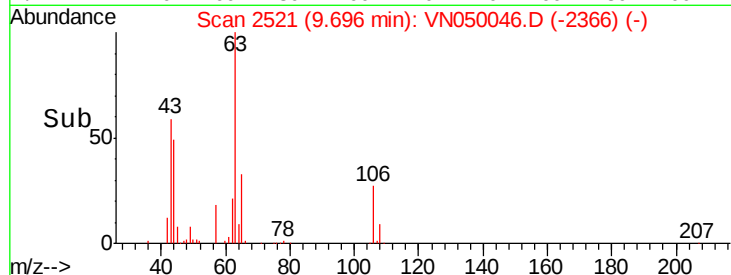
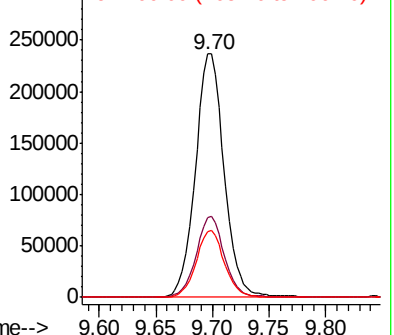
63 100

65 32.7 25.5 38.3

106 27.0 21.8 32.6



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 65.00 (64.70 to 65.70): VN0
Ion 106.00 (105.70 to 106.70): VN0



#56

Bromoform

Concen: 17.80 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

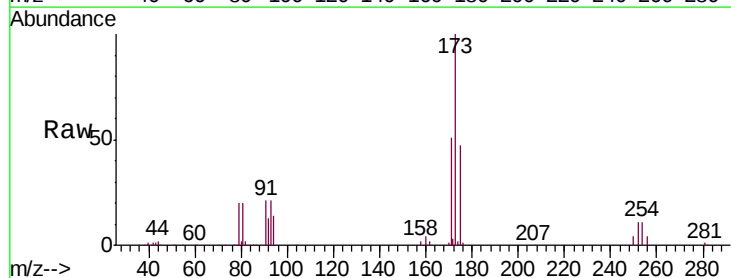
Tgt Ion: 173 Resp: 115370

Ion Ratio Lower Upper

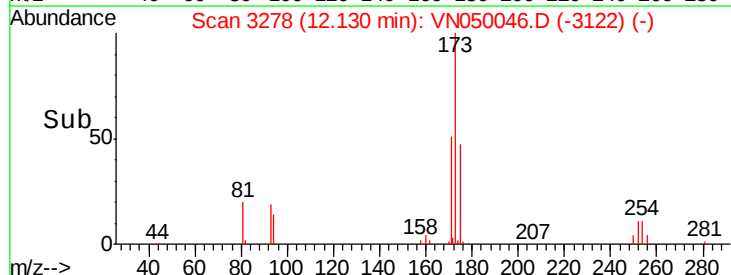
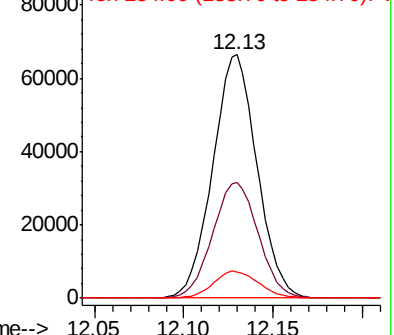
173 100

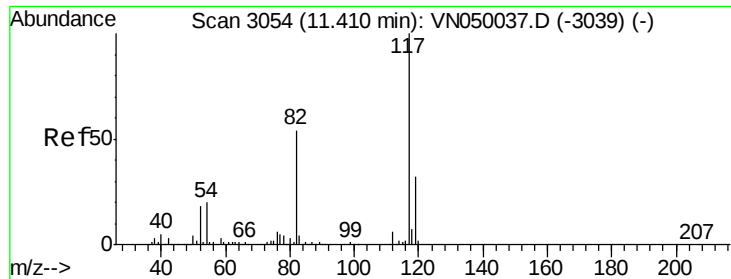
175 49.0 38.6 57.8

254 11.3 8.8 13.2



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V





#57

Chlorobenzene-d5

Concen: 30.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

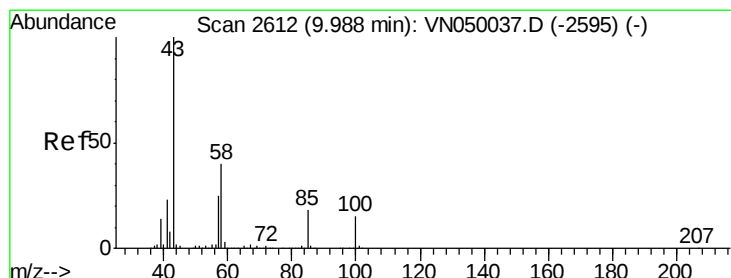
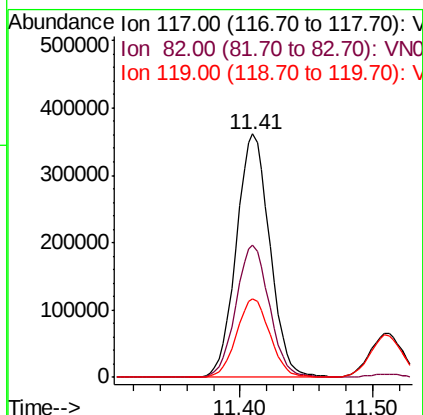
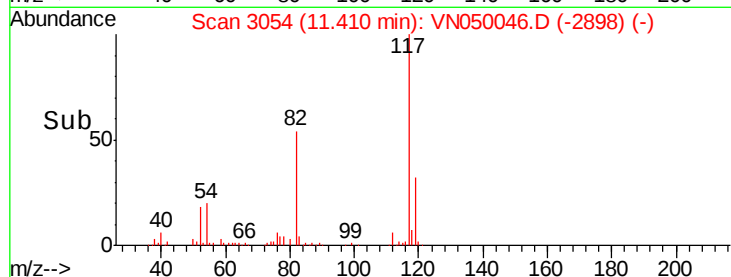
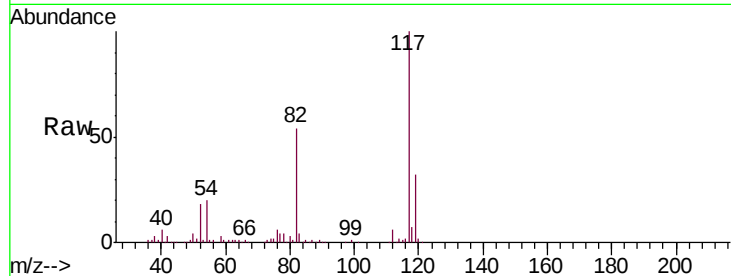
Tot Ion:117 Resp: 634676

Ion Ratio Lower Upper

117 100

82 54.2 42.4 63.6

119 32.0 25.4 38.0



#58

4-Methyl-2-Pentanone

Concen: 100.99 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

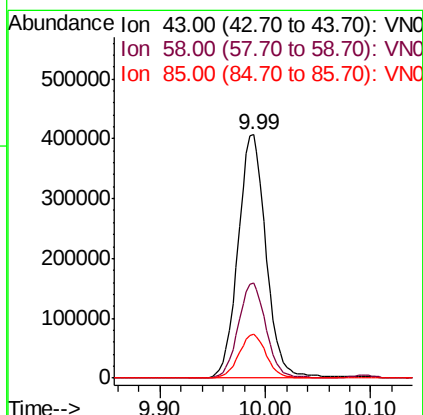
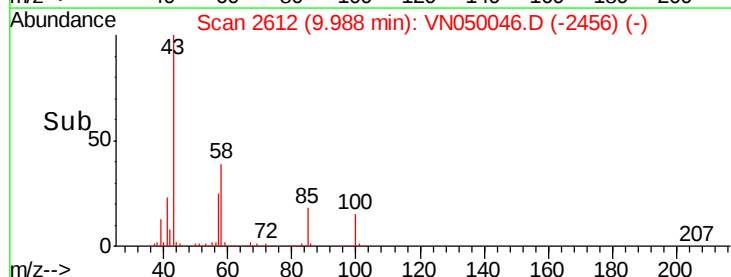
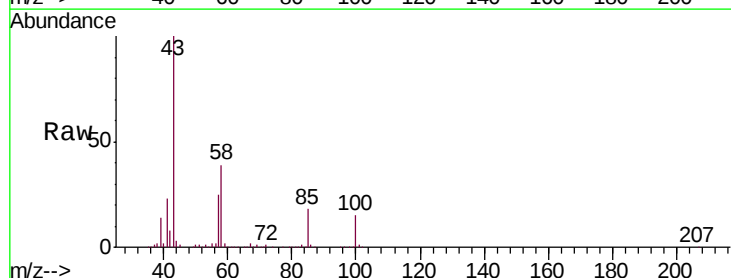
Tgt Ion: 43 Resp: 745838

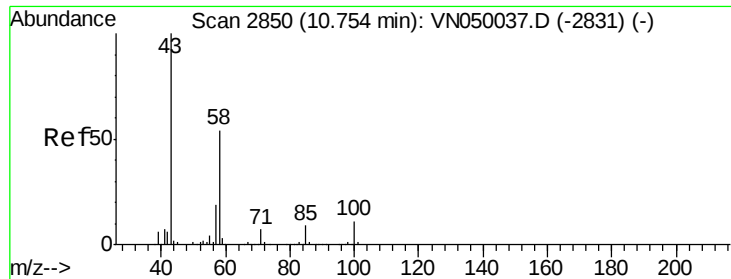
Ion Ratio Lower Upper

43 100

58 39.1 31.2 46.8

85 17.8 14.4 21.6

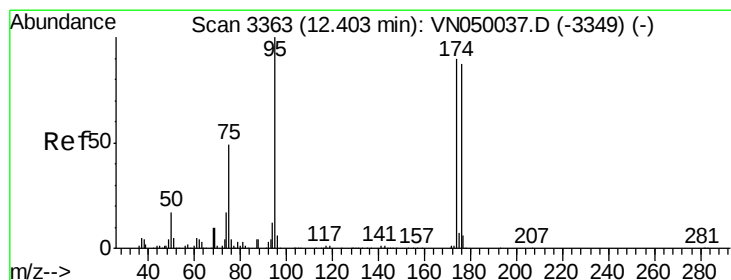
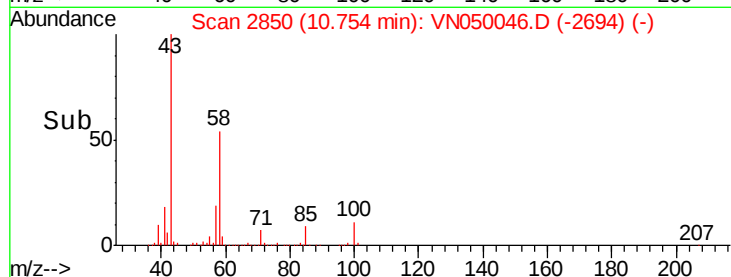
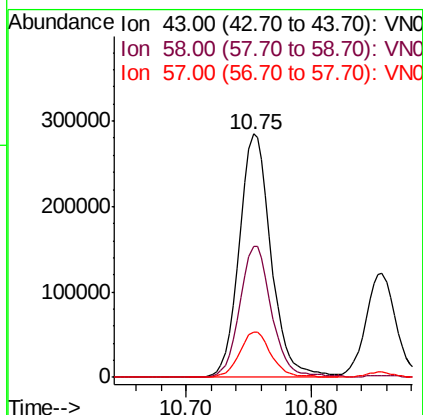
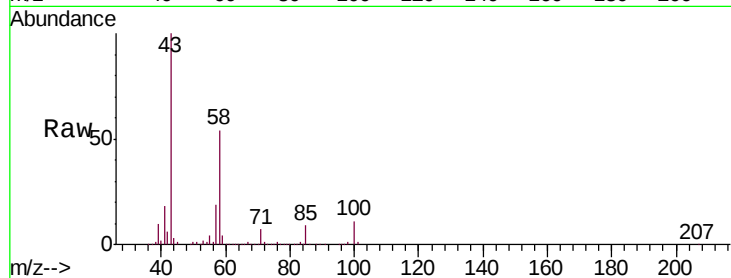




#59
2-Hexanone
Concen: 99.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

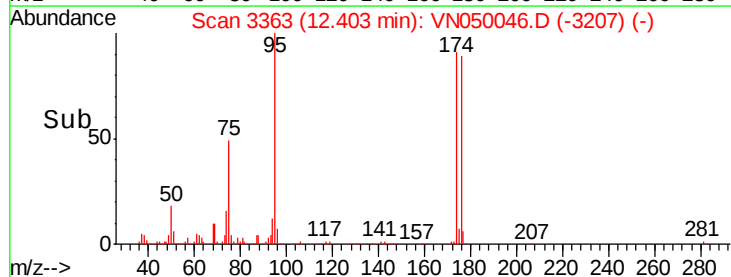
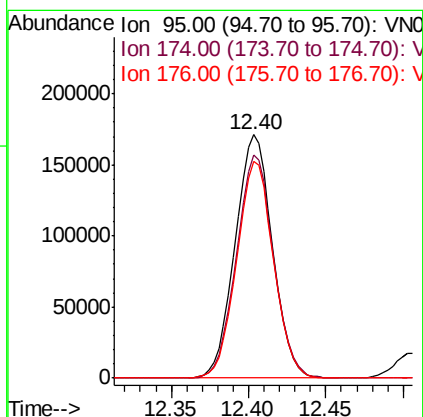
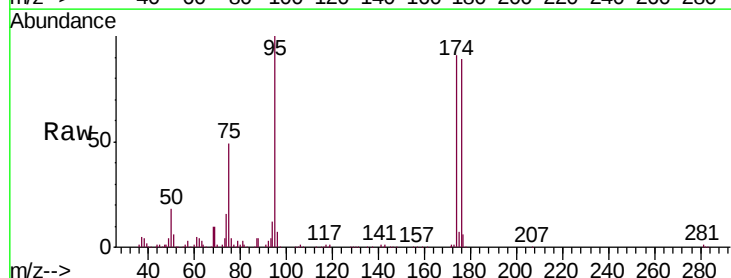
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

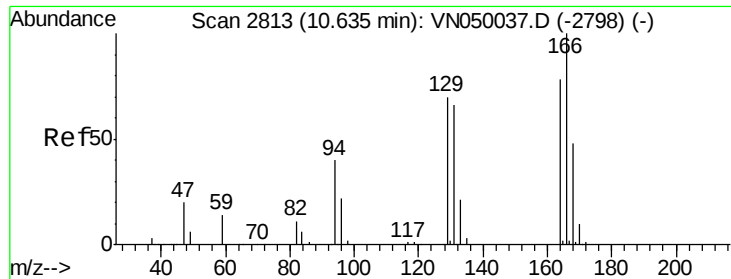
Tot Ion	43	Resp	500101
Ion Ratio	Lower	Upper	
43	100		
58	54.2	43.8	65.8
57	18.7	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 29.35 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	95	Resp	286183
Ion Ratio	Lower	Upper	
95	100		
174	91.3	72.3	108.5
176	88.2	70.0	105.0





#61

Tetrachloroethene

Concen: 19.51 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

Tot Ion:164 Resp: 167683

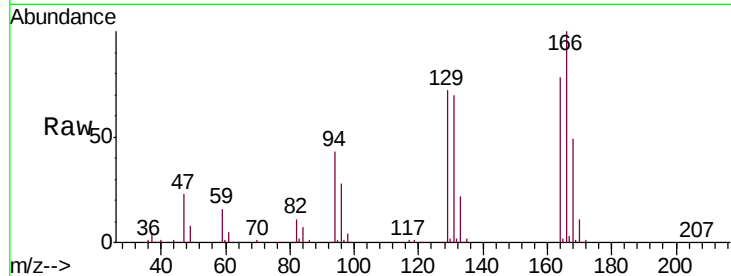
Ion Ratio Lower Upper

164 100

166 127.5 100.0 150.0

129 91.3 69.3 103.9

131 89.3 68.8 103.2

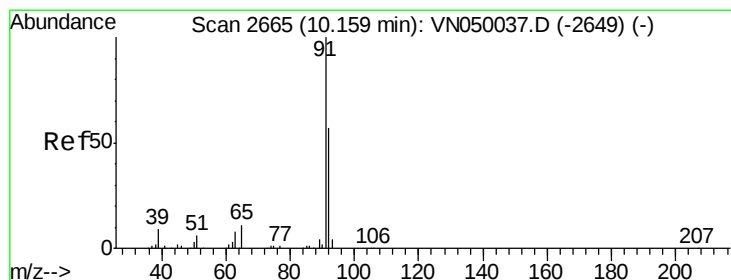
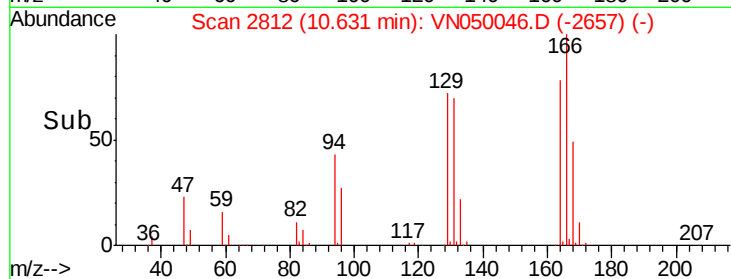
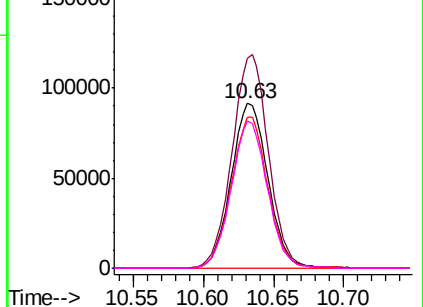


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.76 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050046.D

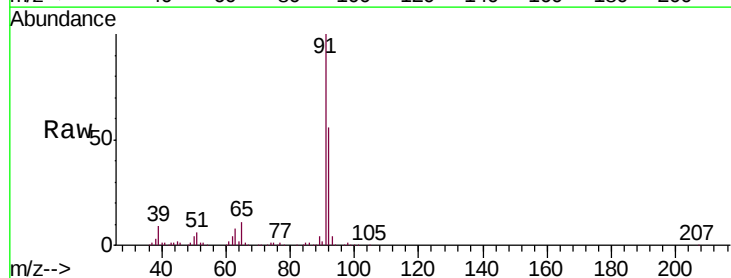
Acq: 25 Jul 2018 15:21

Tgt Ion: 91 Resp: 715388

Ion Ratio Lower Upper

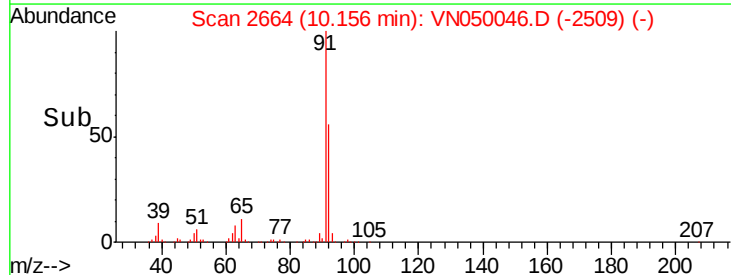
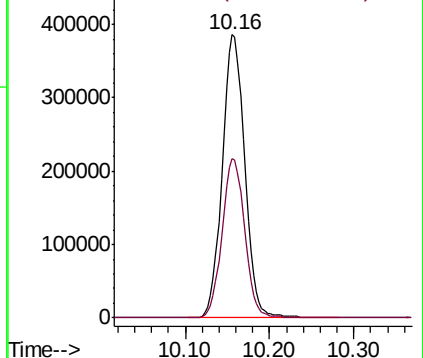
91 100

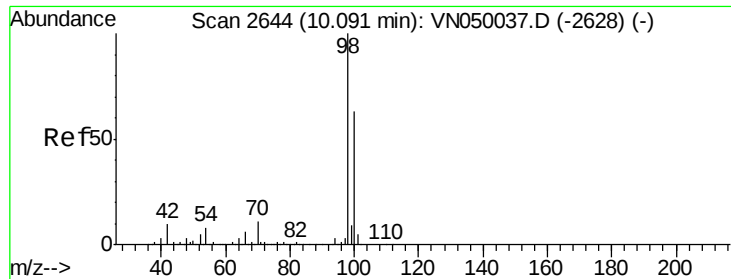
92 56.6 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 30.36 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

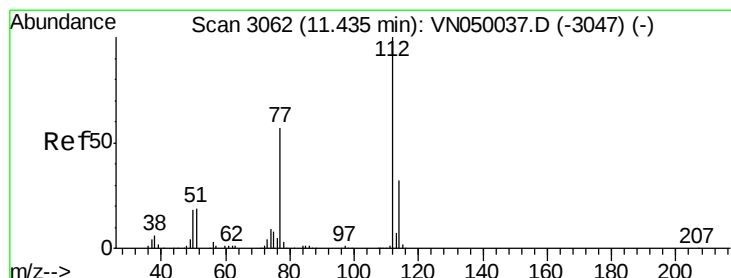
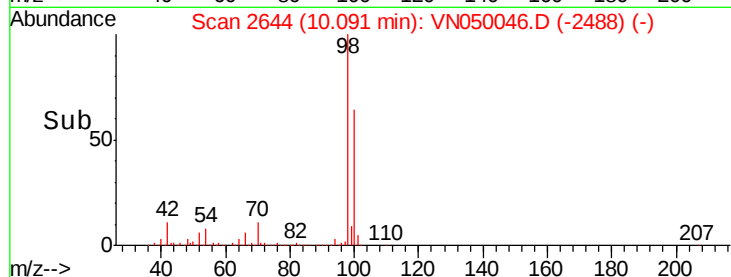
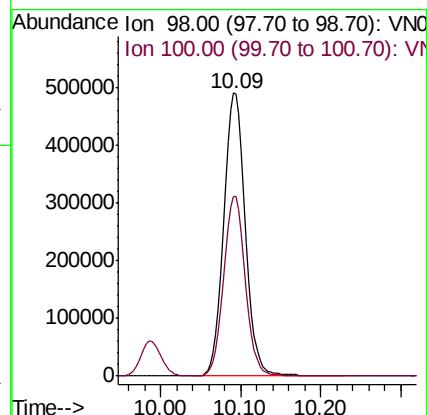
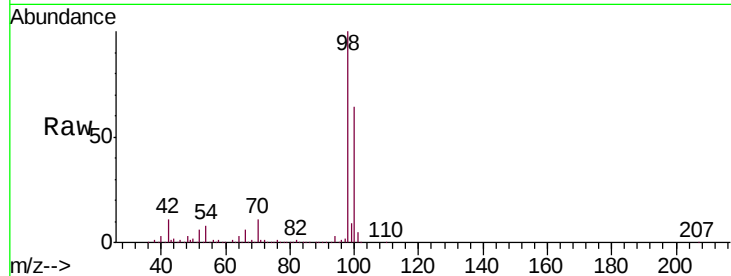
VN0725WBSD01

Tot Ion: 98 Resp: 920390

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8



#64

Chlorobenzene

Concen: 19.71 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050046.D

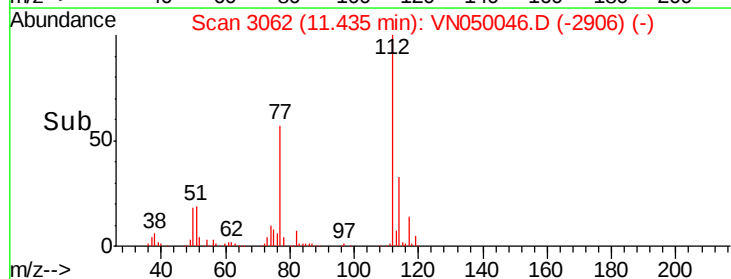
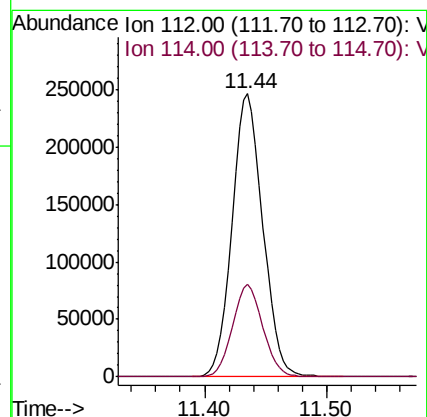
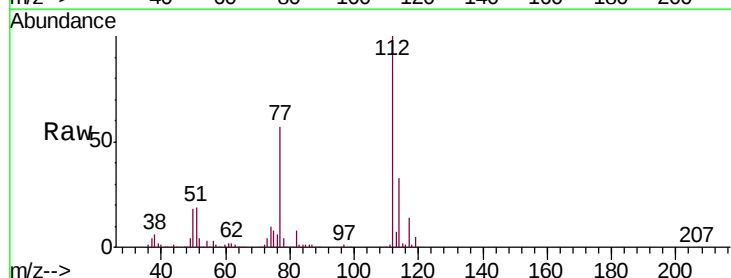
Acq: 25 Jul 2018 15:21

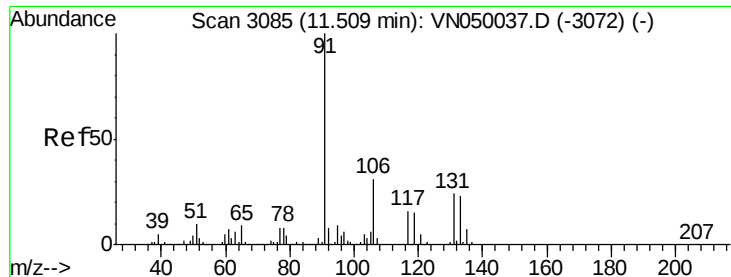
Tgt Ion: 112 Resp: 432778

Ion Ratio Lower Upper

112 100

114 32.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

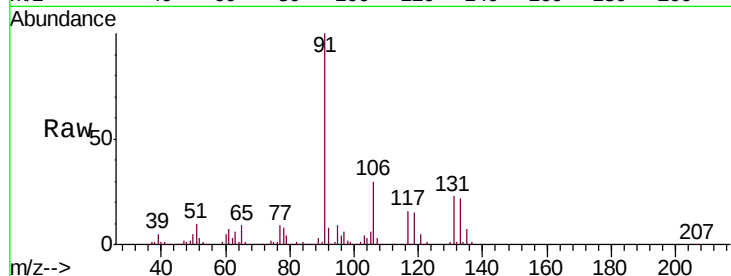
Tot Ion:131 Resp: 164905

Ion Ratio Lower Upper

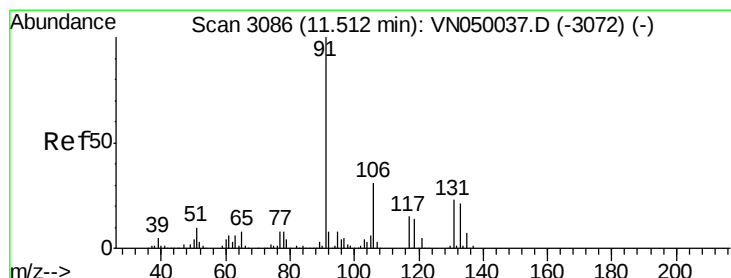
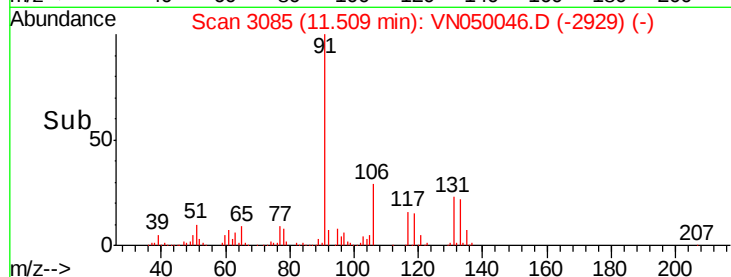
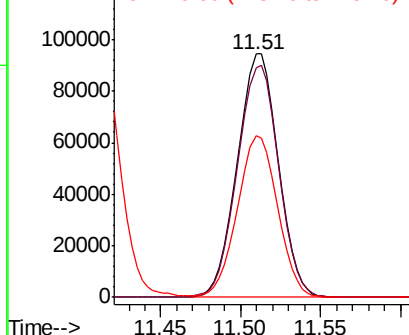
131 100

133 96.4 0.0 190.0

119 65.3 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: 19.46 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050046.D

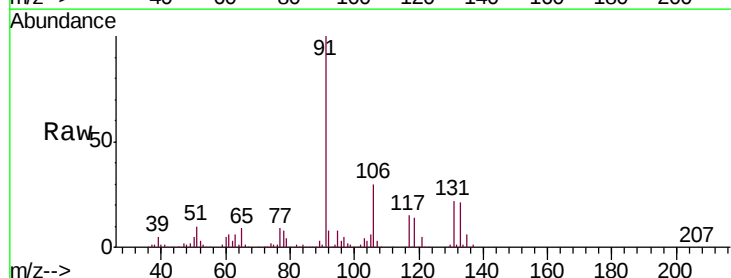
Acq: 25 Jul 2018 15:21

Tgt Ion: 91 Resp: 719976

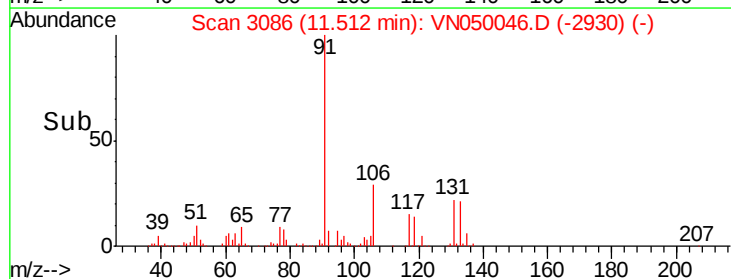
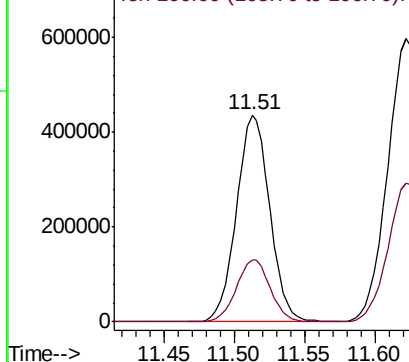
Ion Ratio Lower Upper

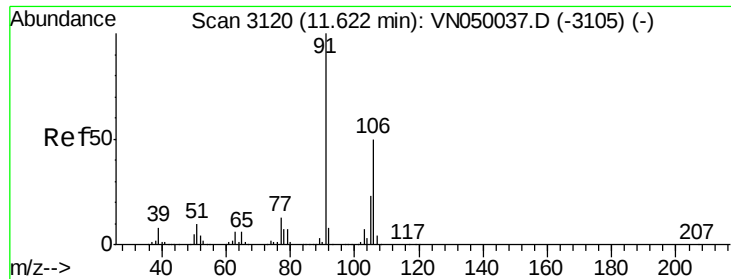
91 100

106 30.2 25.1 37.7



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





#67

m/p-Xylenes

Concen: 39.82 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

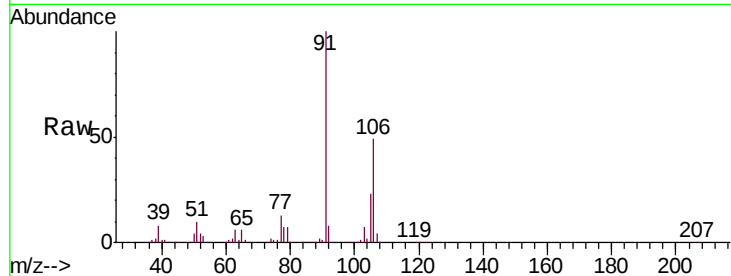
VN0725WBSD01

Tot Ion:106 Resp: 567084

Ion Ratio Lower Upper

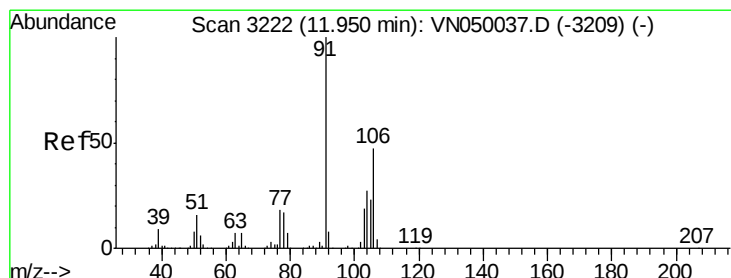
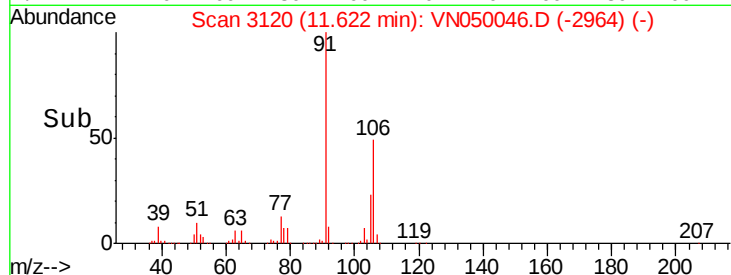
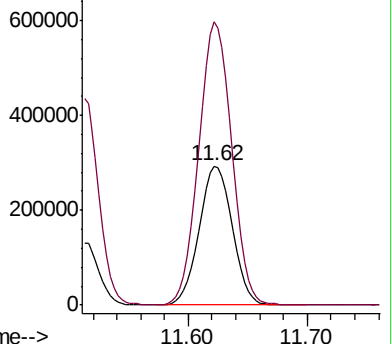
106 100

91 202.3 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.48 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050046.D

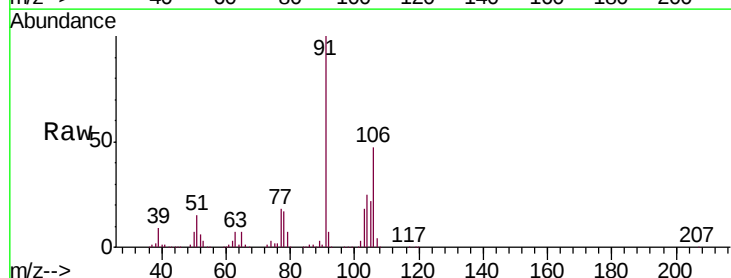
Acq: 25 Jul 2018 15:21

Tgt Ion:106 Resp: 263881

Ion Ratio Lower Upper

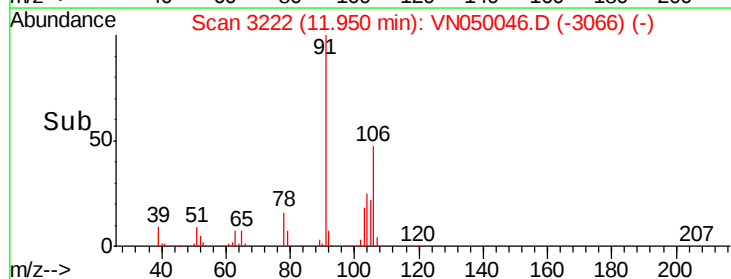
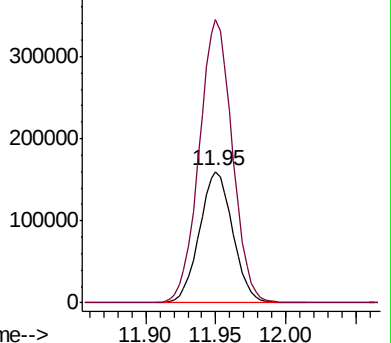
106 100

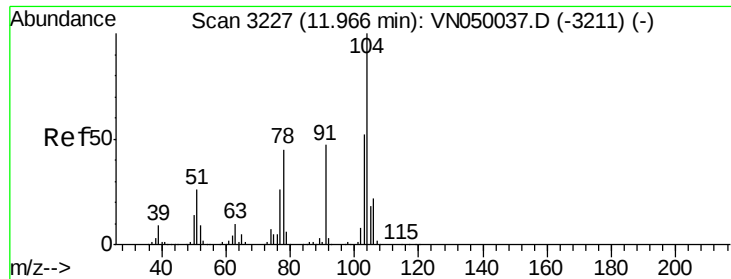
91 215.3 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 19.16 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

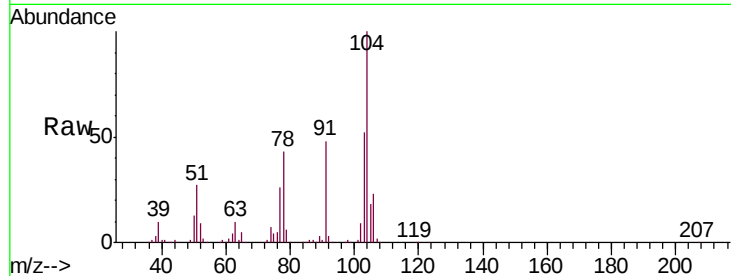
Tot Ion:104 Resp: 416111

Ion Ratio Lower Upper

104 100

78 49.0 39.3 58.9

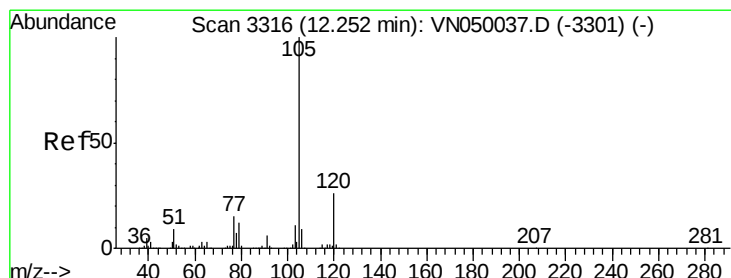
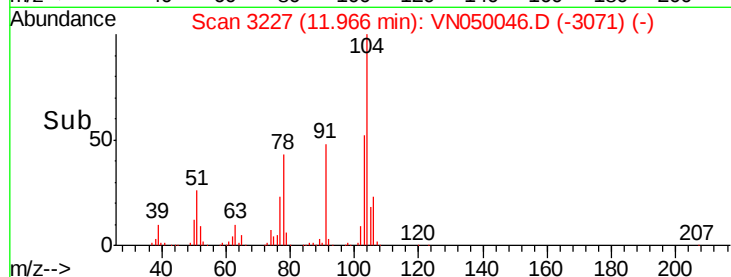
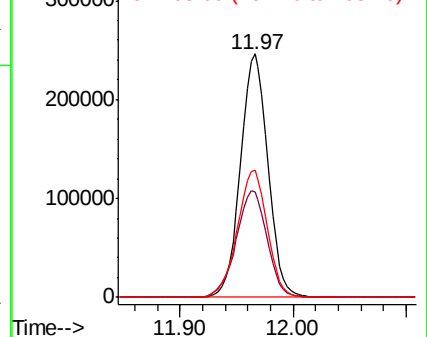
103 57.1 44.5 66.7



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: 19.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050046.D

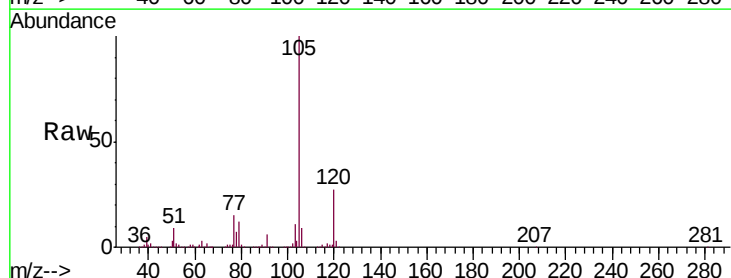
Acq: 25 Jul 2018 15:21

Tgt Ion:105 Resp: 709825

Ion Ratio Lower Upper

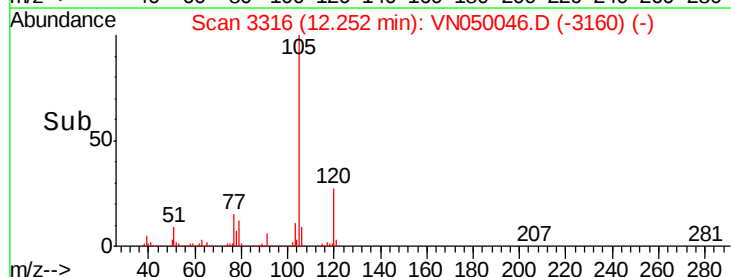
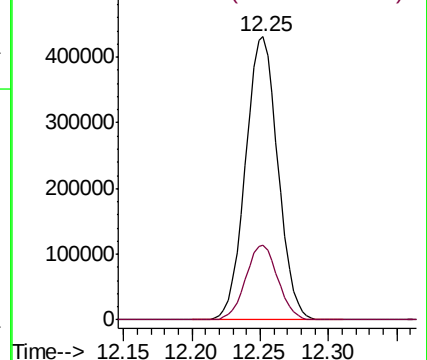
105 100

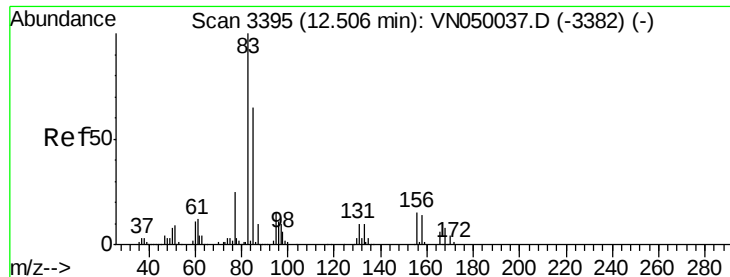
120 26.4 18.9 35.1



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: 19.32 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

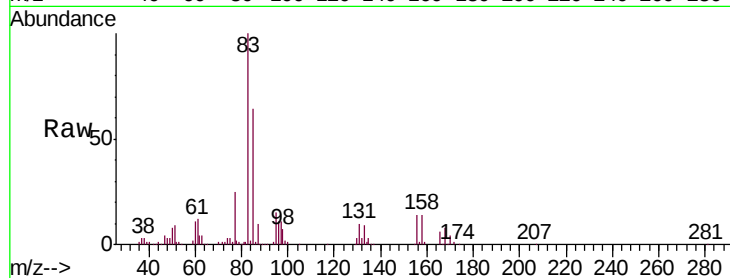
Tot Ion: 83 Resp: 191396

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

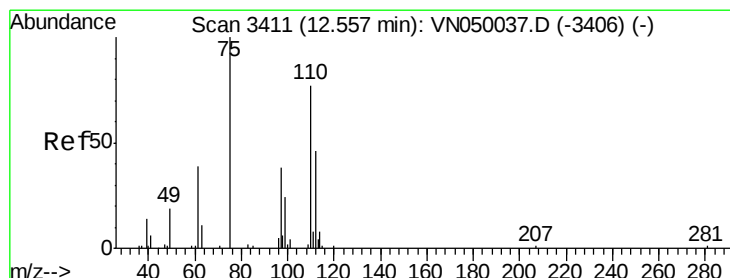
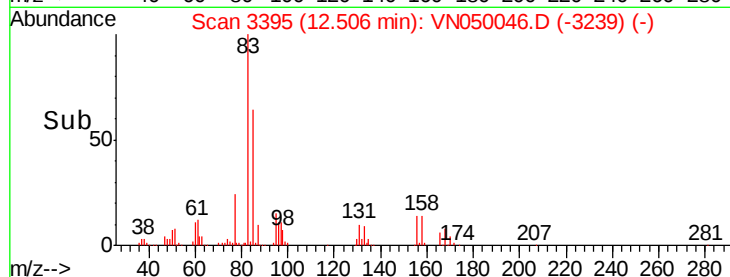
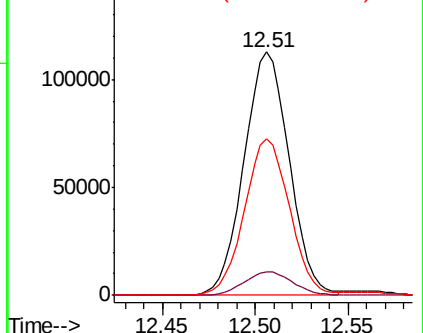
85 64.1 31.7 95.1



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: 28.36 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN050046.D

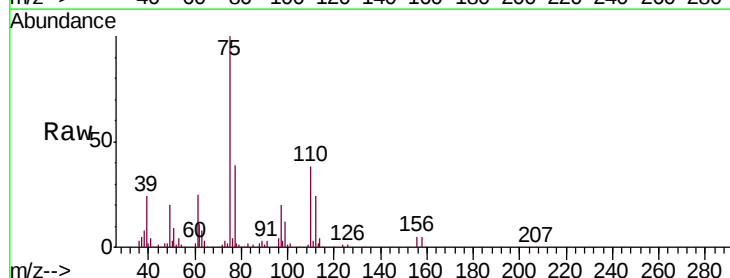
Acq: 25 Jul 2018 15:21

Tgt Ion: 75 Resp: 231694

Ion Ratio Lower Upper

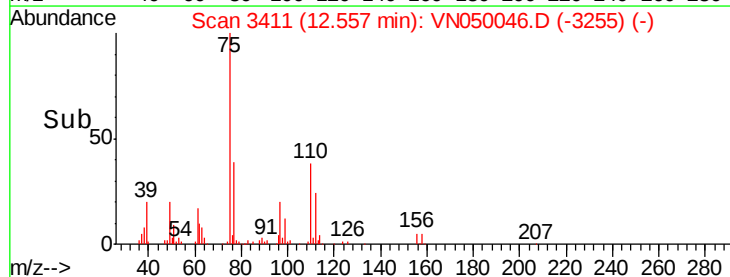
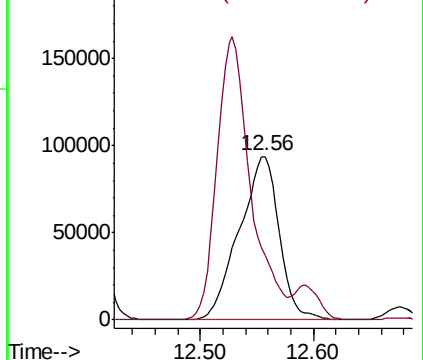
75 100

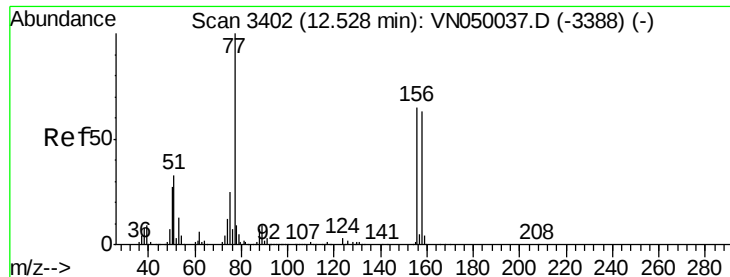
77 145.8 0.0 454.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 18.95 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

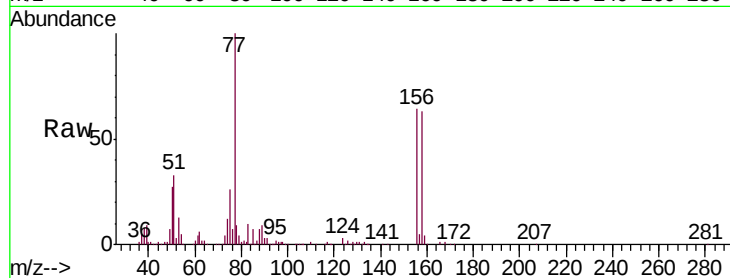
Tot Ion:156 Resp: 182144

Ion Ratio Lower Upper

156 100

77 185.5 0.0 359.8

158 98.2 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

200000

150000

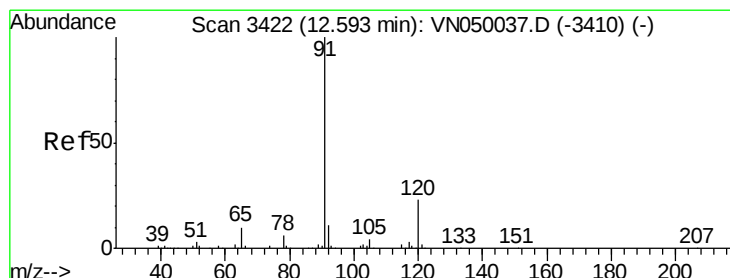
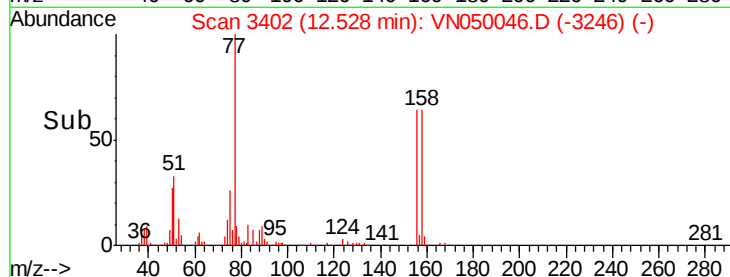
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#74

n-propylbenzene

Concen: 19.52 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050046.D

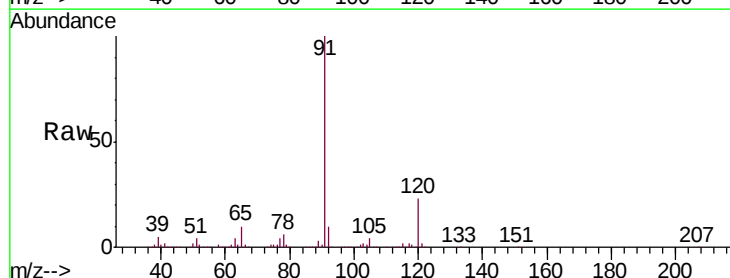
Acq: 25 Jul 2018 15:21

Tgt Ion: 91 Resp: 820470

Ion Ratio Lower Upper

91 100

120 22.8 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

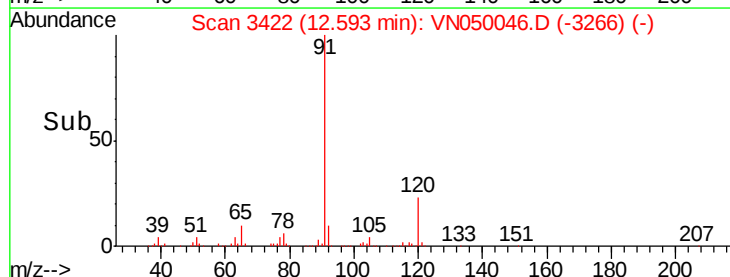
200000

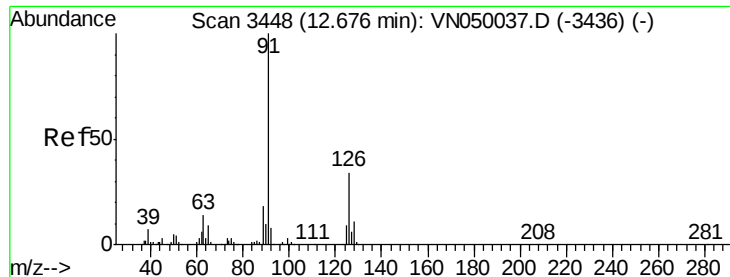
100000

0

12.55 12.60 12.65

Time-->





#75

2-Chlorotoluene

Concen: 19.55 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

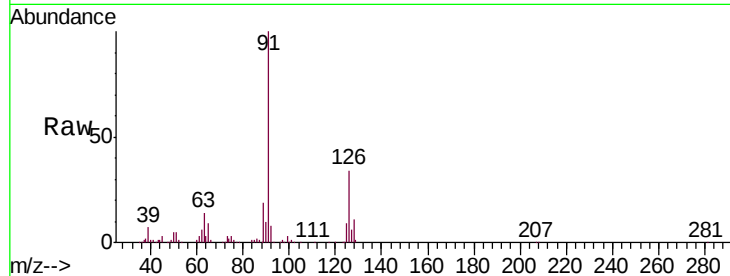
VN0725WBSD01

Tot Ion: 91 Resp: 493400

Ion Ratio Lower Upper

91 100

126 34.2 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)

Ion 126.00 (125.70 to 126.70): VN050037.D (-3436) (-)

400000

300000

200000

100000

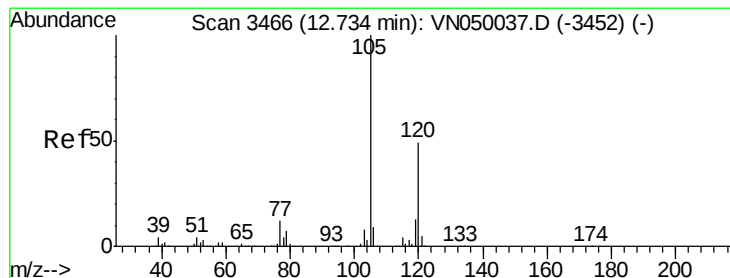
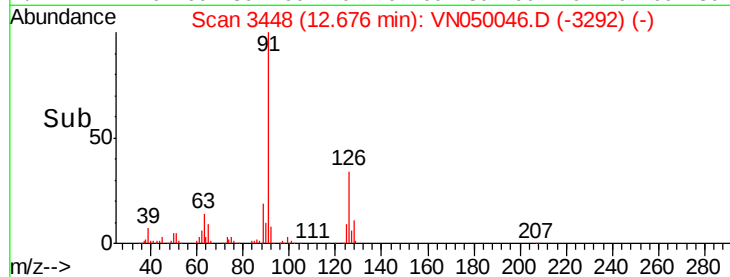
0

12.65

12.68

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 19.99 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050046.D

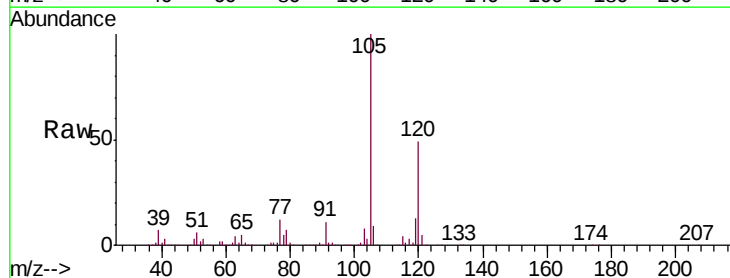
Acq: 25 Jul 2018 15:21

Tgt Ion: 105 Resp: 592422

Ion Ratio Lower Upper

105 100

120 48.8 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050037.D (-3452) (-)

400000

300000

200000

100000

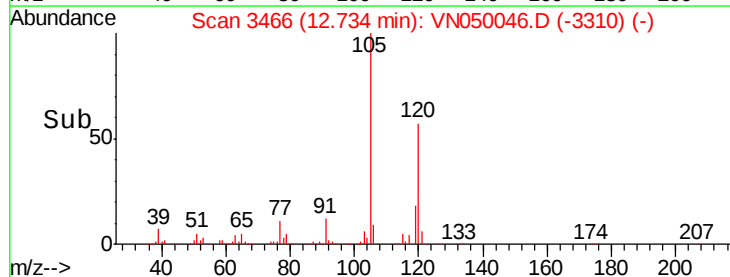
0

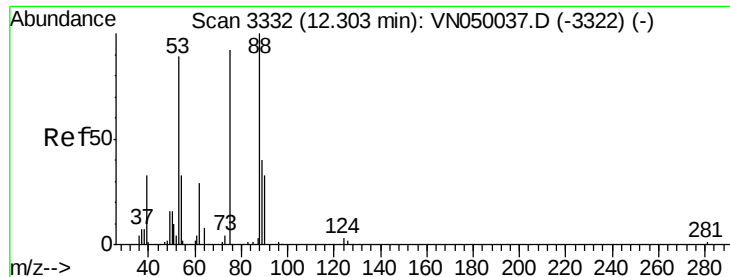
12.70

12.73

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

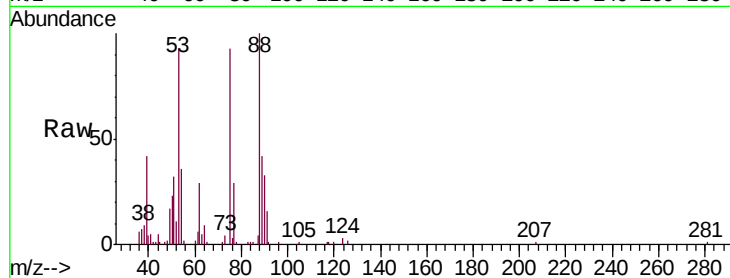
Tot Ion: 75 Resp: 49168

Ion Ratio Lower Upper

75 100

53 99.1 44.6 134.0

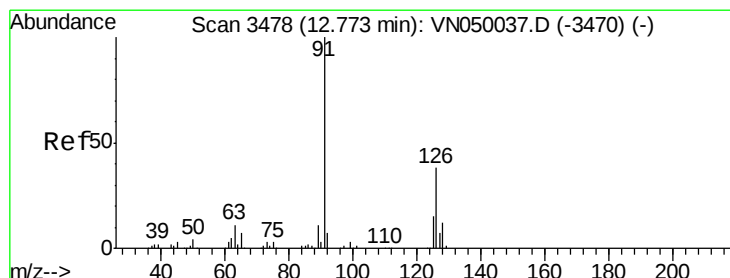
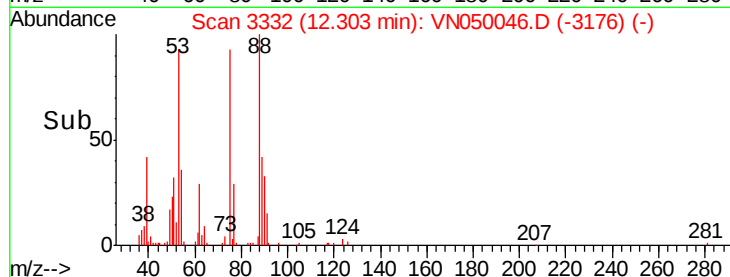
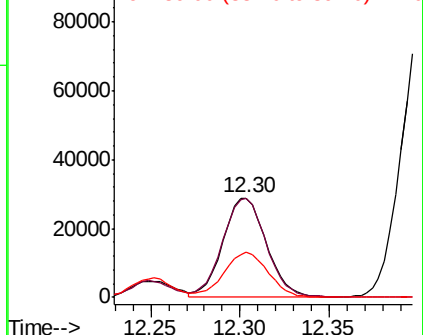
89 45.7 20.7 62.1



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: 19.41 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050046.D

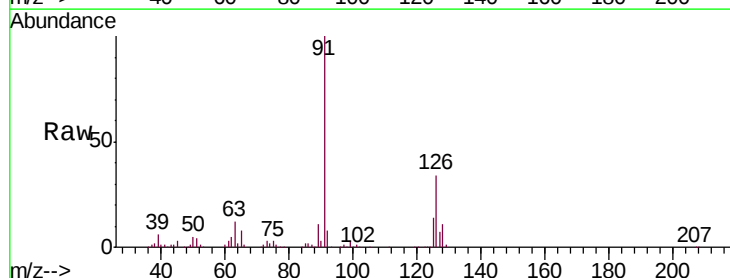
Acq: 25 Jul 2018 15:21

Tgt Ion: 91 Resp: 485458

Ion Ratio Lower Upper

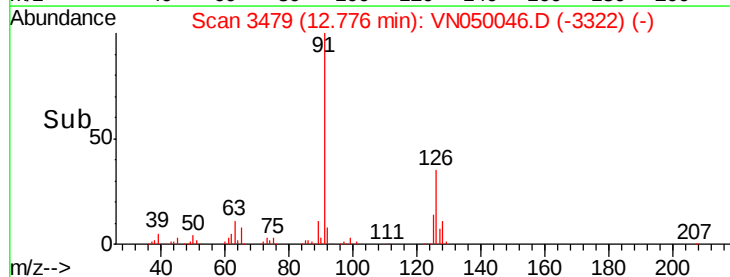
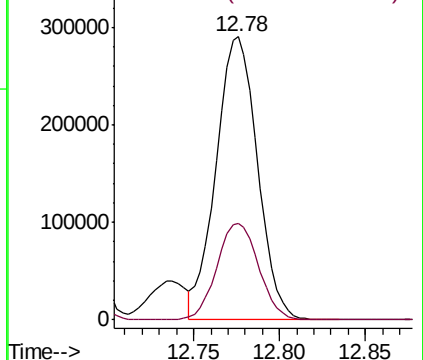
91 100

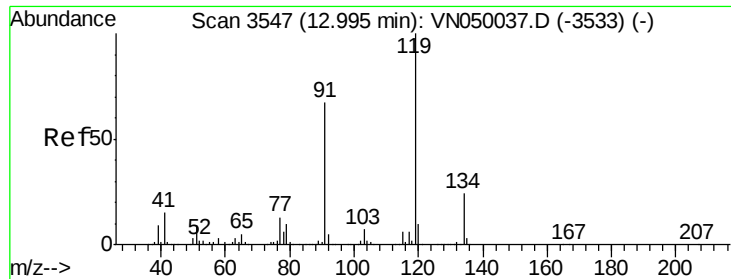
126 34.5 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

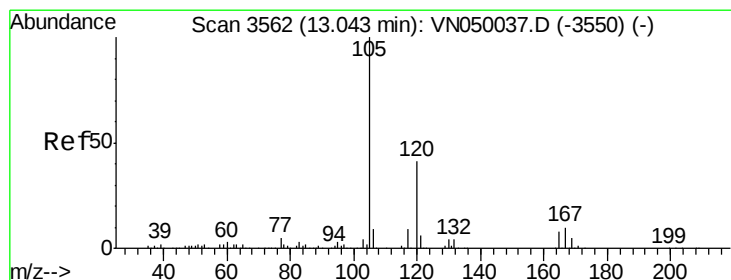
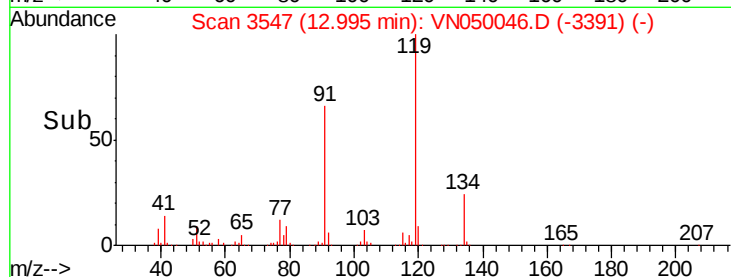
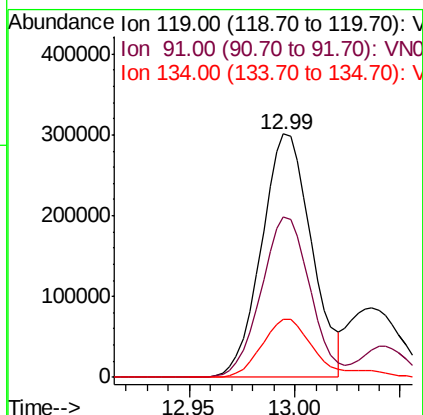
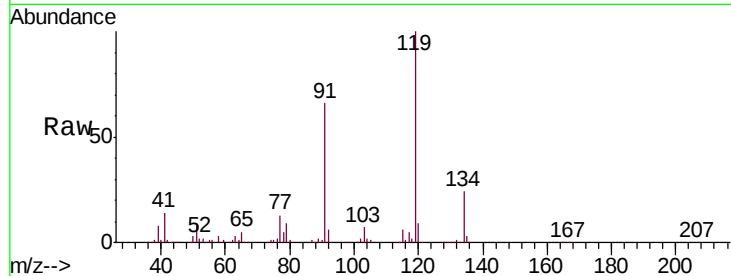




#79
tert-butylbenzene
Concen: 19.66 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

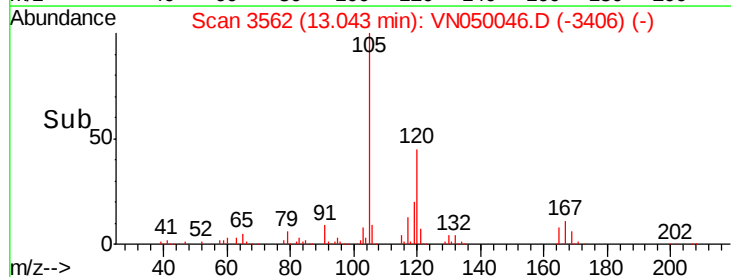
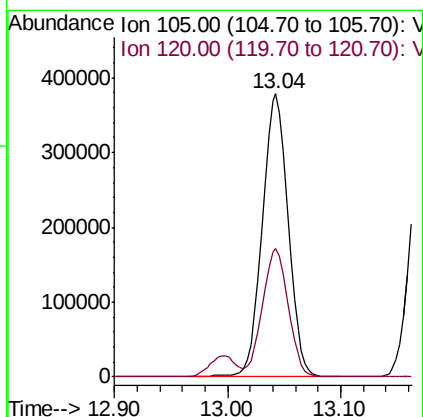
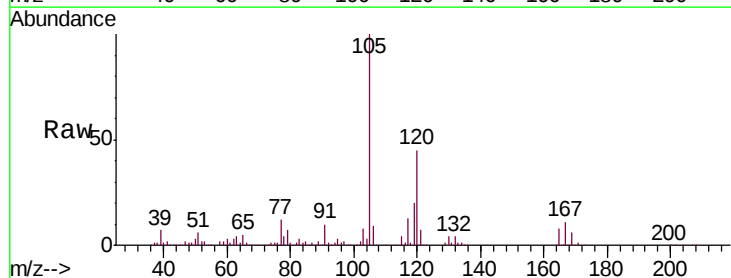
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

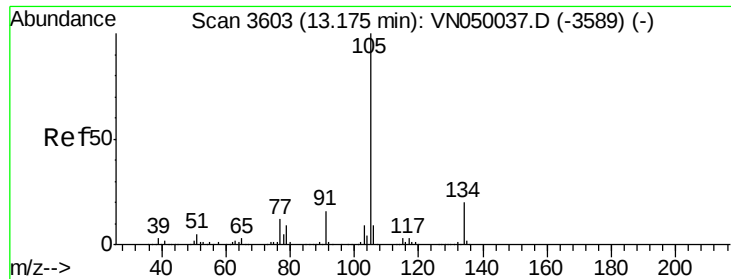
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	0.0	126.8
134	26.0	0.0	47.4



#80
1,2,4-Trimethylbenzene
Concen: 20.02 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	90.6

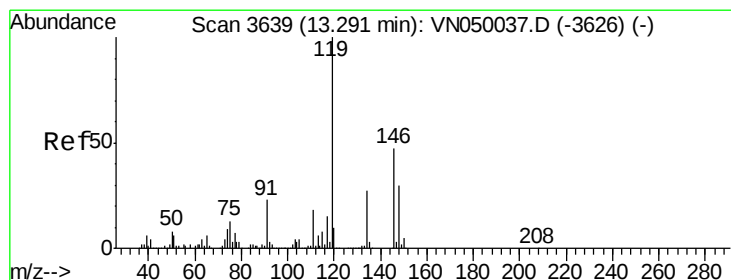
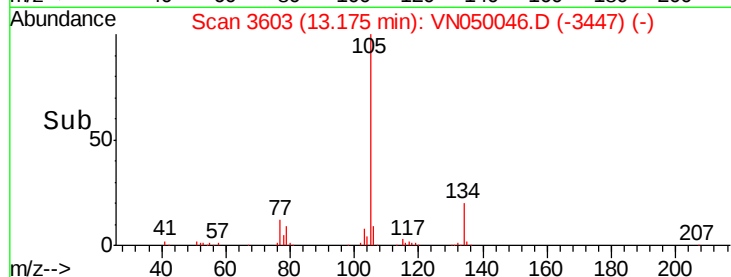
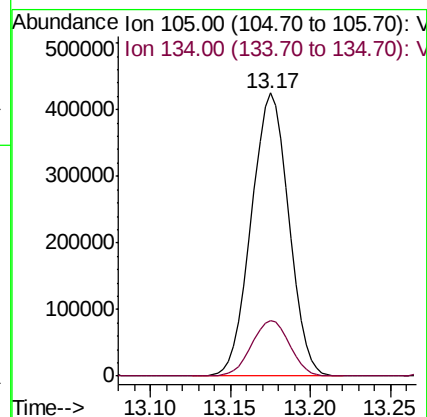
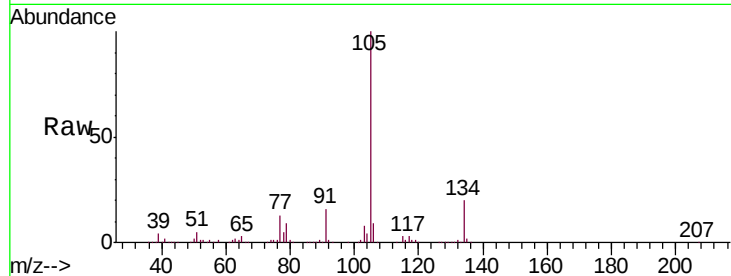




#81
 sec-Butylbenzene
 Concen: 19.79 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

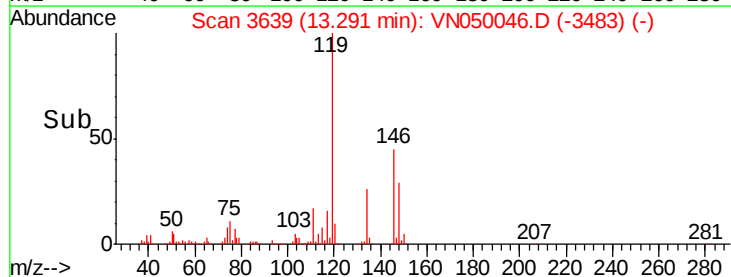
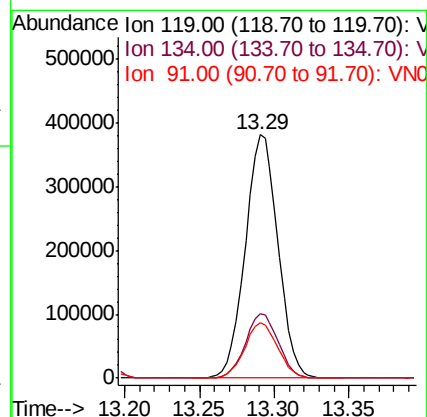
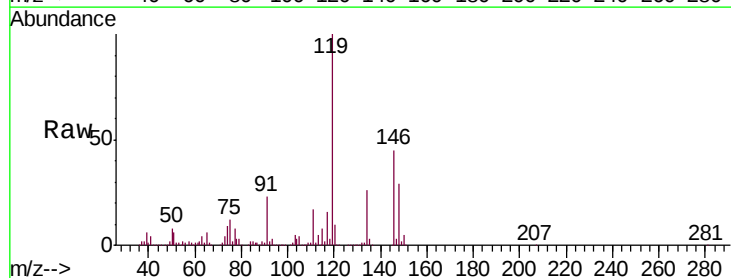
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

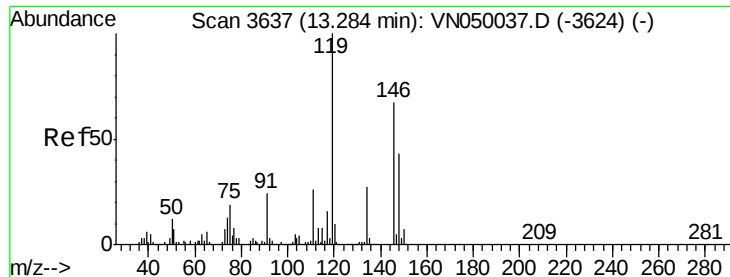
Tot Ion:105 Resp: 681076
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 19.72 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion:119 Resp: 579093
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 52.2
 91 22.9 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 18.72 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

Instrument :

MSVOA_N

ClientSampleId :

VN0725WBSD01

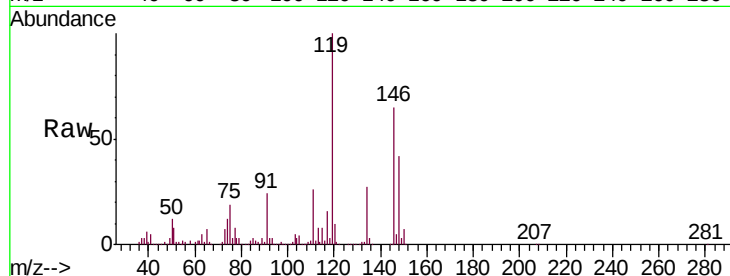
Tot Ion:146 Resp: 313292

Ion Ratio Lower Upper

146 100

111 38.5 19.1 57.1

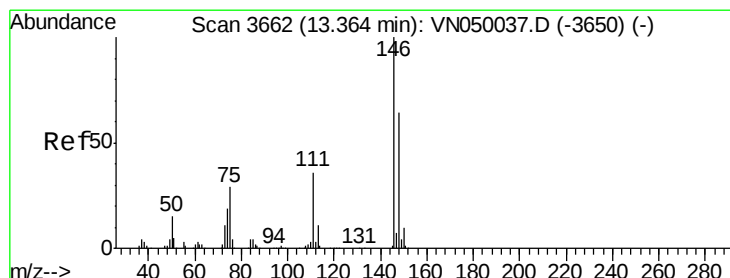
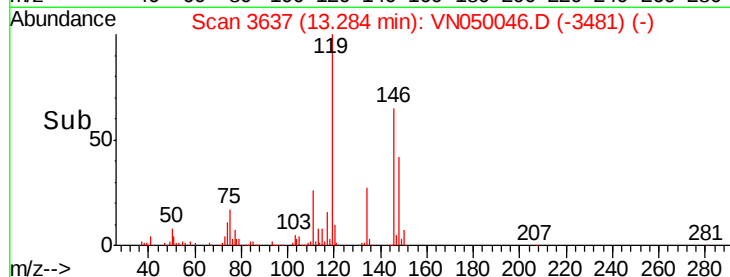
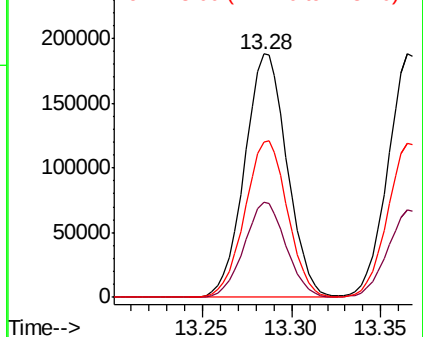
148 64.6 31.9 95.9



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: 19.85 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050046.D

Acq: 25 Jul 2018 15:21

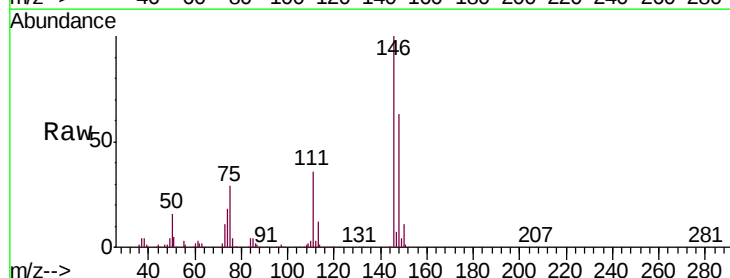
Tgt Ion:146 Resp: 313932

Ion Ratio Lower Upper

146 100

111 35.9 17.9 53.8

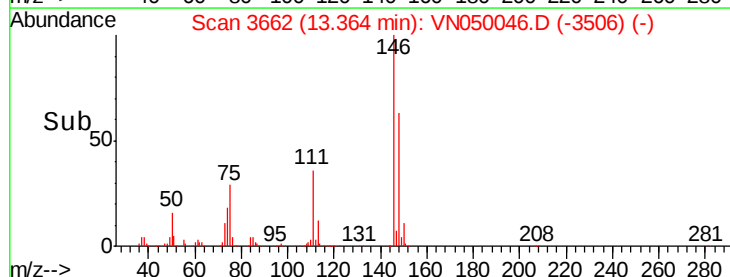
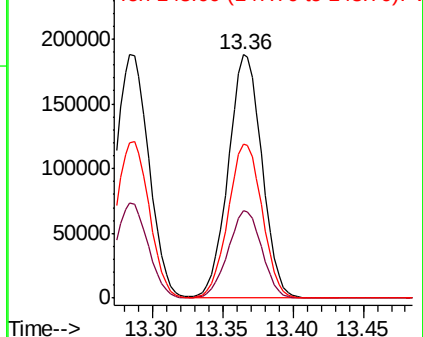
148 63.7 32.4 97.0

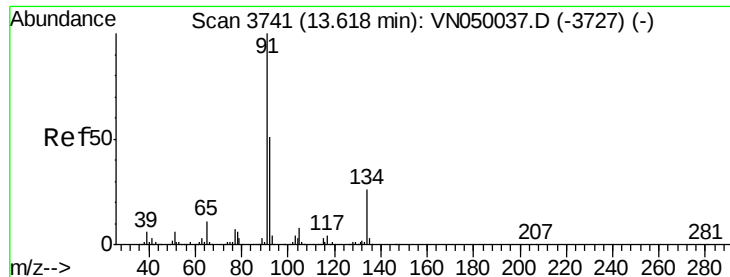


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

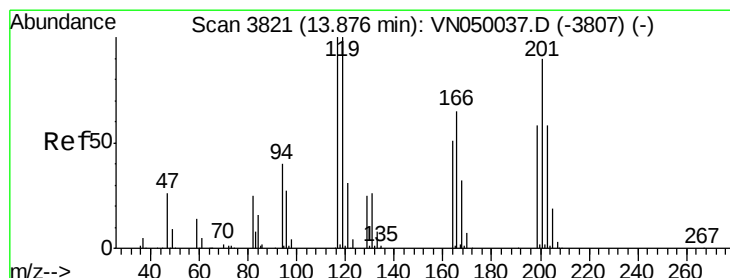
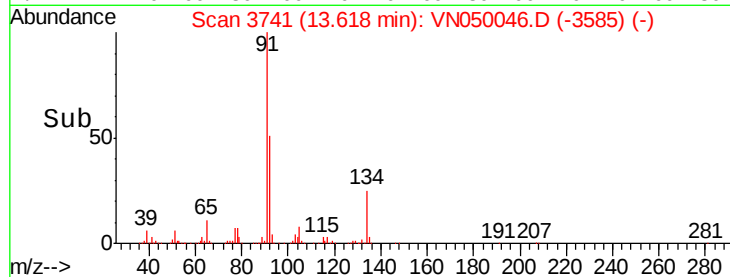
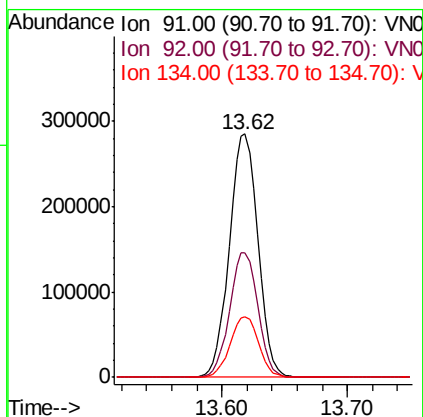
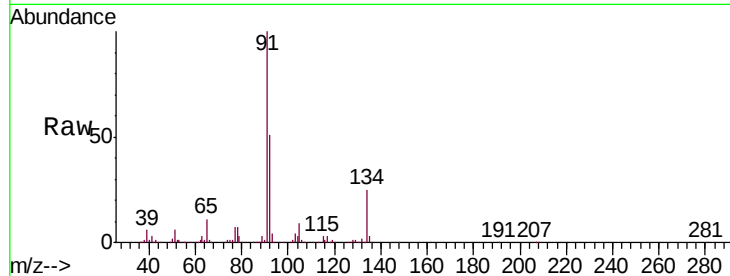




#85
n-Butylbenzene
Concen: 18.91 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

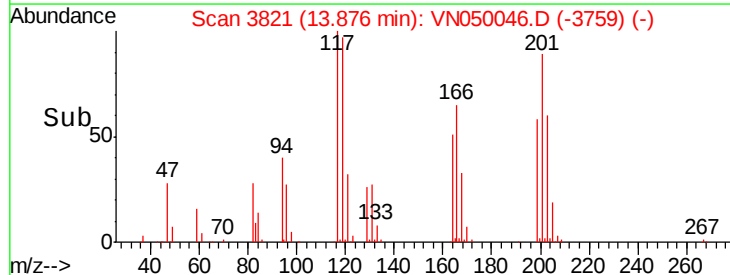
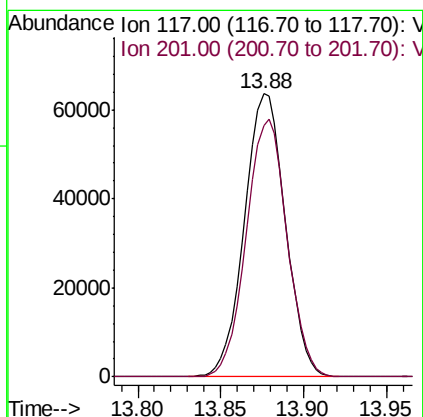
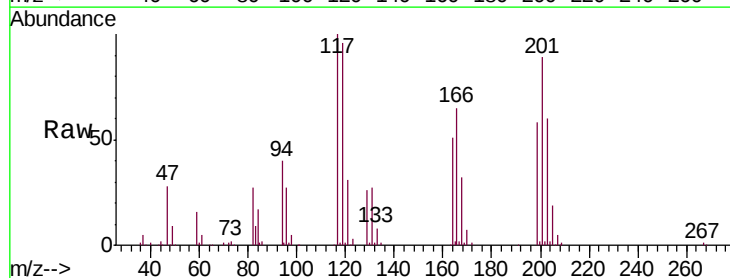
Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

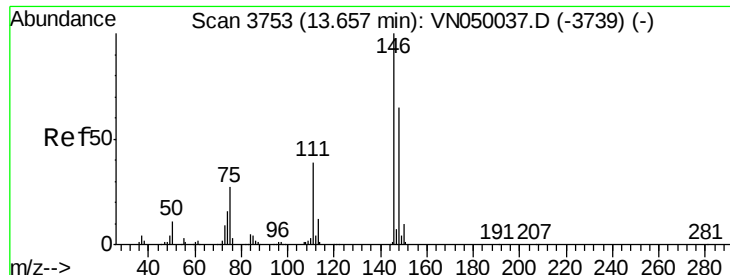
Tot Ion: 91 Resp: 450750
Ion Ratio Lower Upper
91 100
92 50.7 0.0 102.8
134 25.0 0.0 51.0



#86
Hexachloroethane
Concen: 18.62 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion: 117 Resp: 109261
Ion Ratio Lower Upper
117 100
201 90.4 46.6 139.7

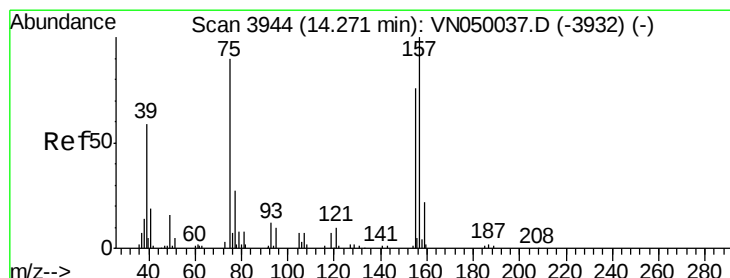
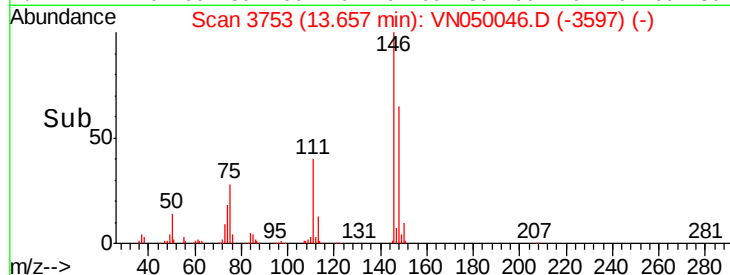
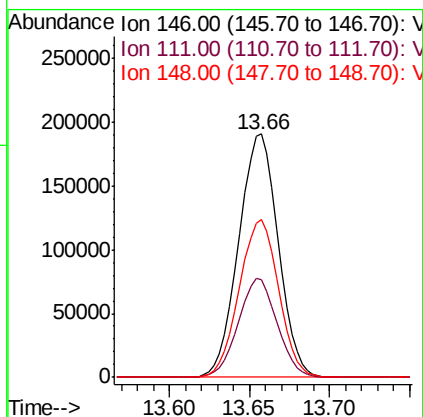
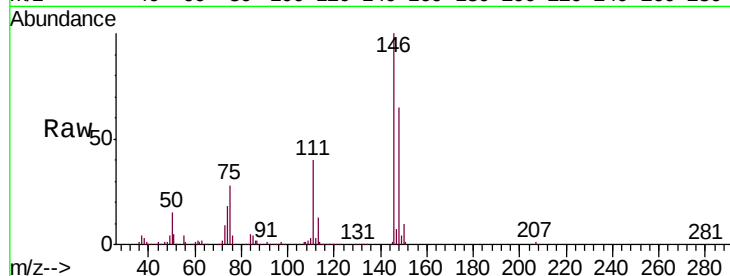




#87
 1,2-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

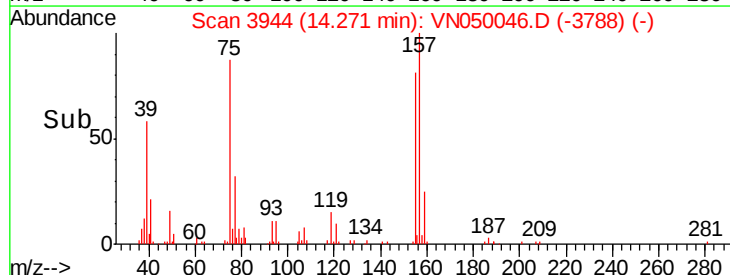
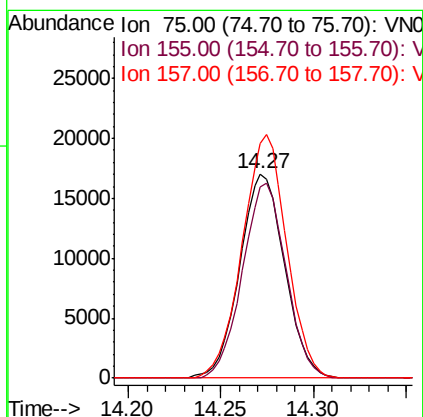
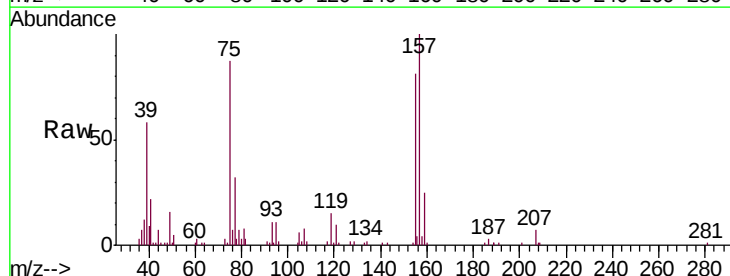
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

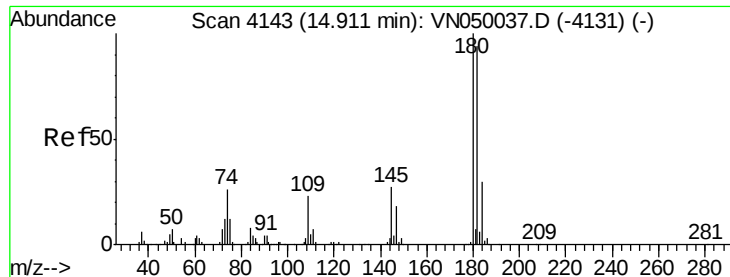
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.8	59.3
148	64.5	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.55 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	73.0	109.6
157	117.8	94.9	142.3

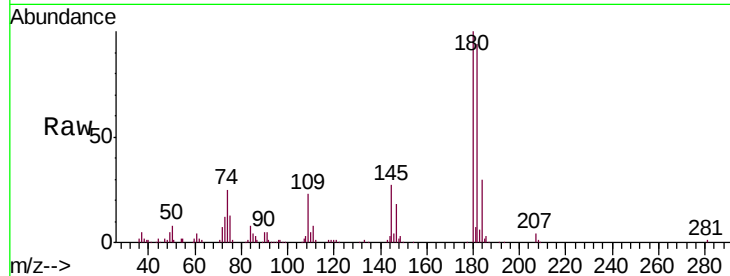




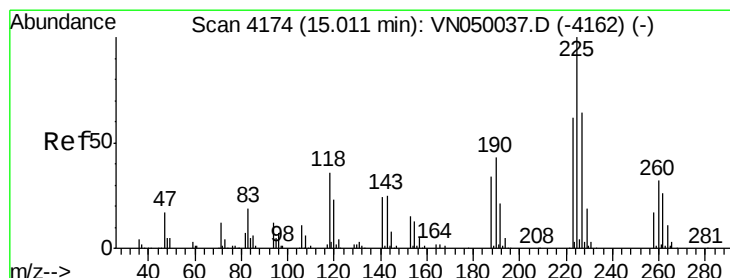
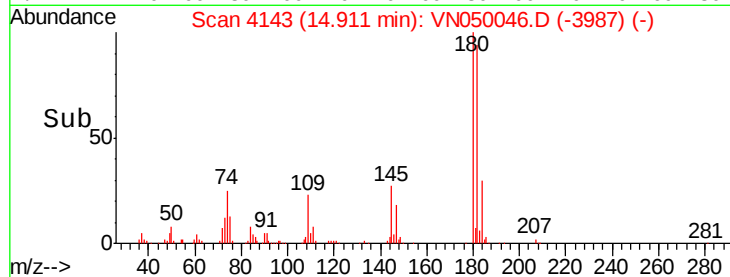
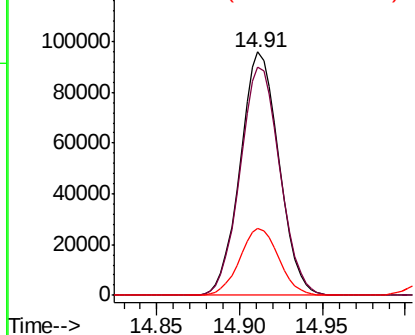
#89
 1,2,4-Trichlorobenzene
 Concen: 20.00 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0725WBSD01

Tot Ion:180 Resp: 156298
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.7 115.1
 145 27.5 23.4 35.0

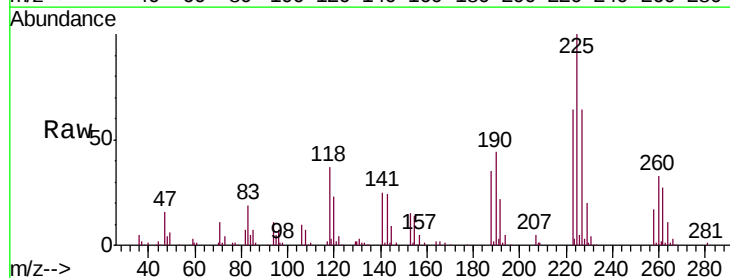


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

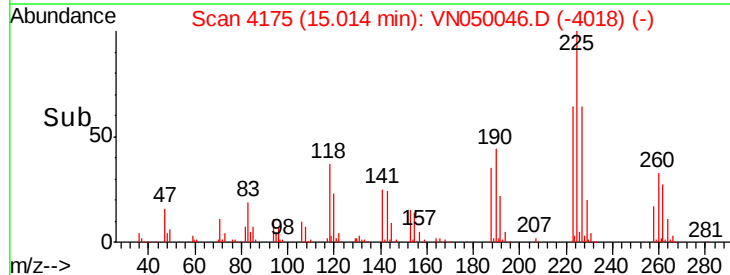
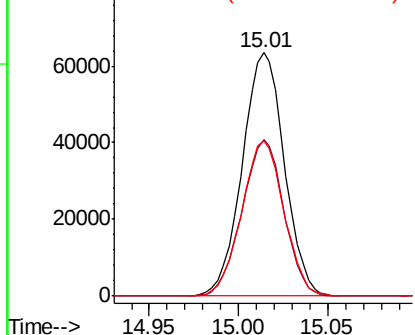


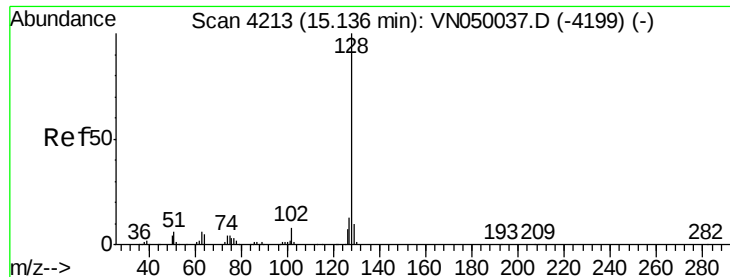
#90
 Hexachlorobutadiene
 Concen: 20.28 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050046.D
 Acq: 25 Jul 2018 15:21

Tgt Ion:225 Resp: 104512
 Ion Ratio Lower Upper
 225 100
 223 63.9 0.0 124.4
 227 63.7 0.0 133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

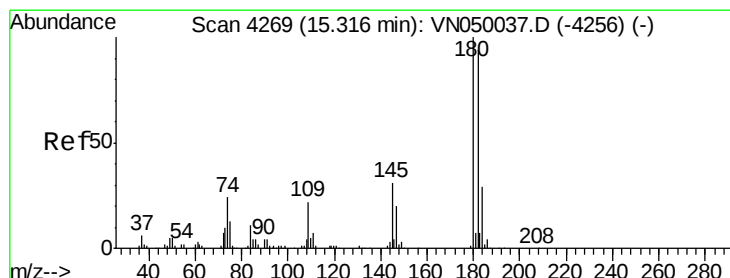
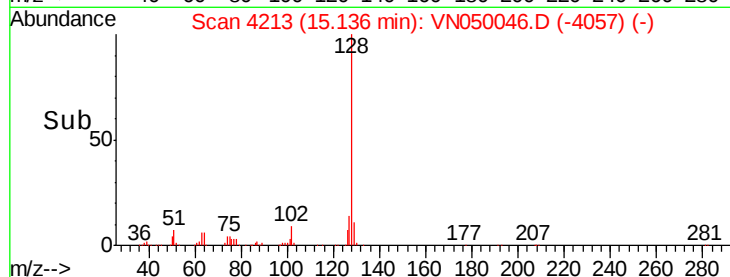
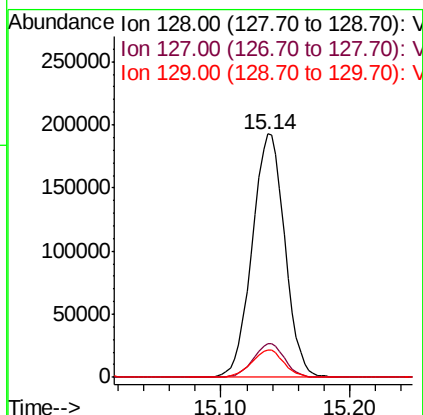
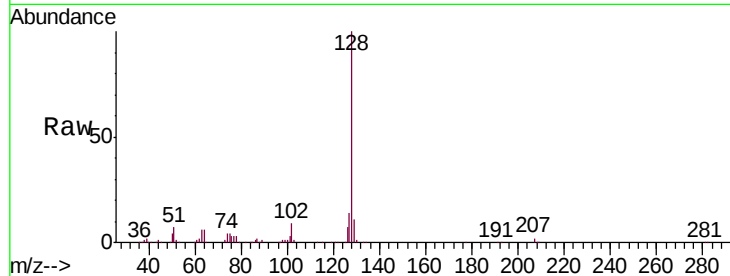




#91
Naphthalene
Concen: 21.53 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Instrument :
MSVOA_N
ClientSampleId :
VN0725WBSD01

Tot Ion:128 Resp: 340265
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.1 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 18.45 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN050046.D
Acq: 25 Jul 2018 15:21

Tgt Ion:180 Resp: 146609
Ion Ratio Lower Upper
180 100
182 94.9 0.0 188.8
145 31.5 0.0 60.8

