

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046541.D
 Acq On : 24 Jan 2018 12:25
 Operator : MD\SY
 Sample : VSTDICV020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

Quant Time: Jan 25 03:07:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\624N012418W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 24 12:28:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	35990	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	223612	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	195909	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	99404	30.48	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.60%
60) 4-Bromofluorobenzene	12.41	95	103885	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.09	98	284504	30.08	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.27%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	49019	20.95	ug/l	100
3) Chloromethane	2.06	50	84383	21.26	ug/l	99
4) Vinyl Chloride	2.18	62	76473	21.09	ug/l	100
5) Bromomethane	2.57	94	41332	21.22	ug/l	100
6) Chloroethane	2.70	64	43285	20.87	ug/l	99
7) Trichlorofluoromethane	3.01	101	75053	21.14	ug/l	99
8) Diethyl Ether	3.41	74	35845	20.90	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	50438	21.22	ug/l	99
10) 1,1-Dichloroethene	3.73	96	50286	20.96	ug/l	97
11) Methyl Iodide	3.95	142	38005	19.12	ug/l	97
12) Methyl Acetate	4.33	43	60958	22.33	ug/l	100
13) Acrolein	3.61	56	34203	101.86	ug/l	94
14) Acrylonitrile	4.99	53	122691	107.78	ug/l	100
15) Acetone	3.82	58	37512	109.32	ug/l	83
16) Carbon Disulfide	4.05	76	181028	22.60	ug/l	100
17) Allyl chloride	4.32	41	117572	20.99	ug/l	99
18) Methylene Chloride	4.55	84	59271	20.79	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	55254	22.05	ug/l	99
20) Diisopropyl ether	5.96	45	207674	20.12	ug/l	98
21) 1,1-Dichloroethane	5.85	63	116886	20.86	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	61729	21.16	ug/l	99
23) tert-Butyl Alcohol	4.80	59	29571	108.54	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	163051	20.81	ug/l	100
25) Chloroform	7.37	83	103289	21.04	ug/l	99
26) Cyclohexane	7.65	56	111295	20.68	ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	84913	20.62	ug/l	99
30) 2-Butanone	6.84	43	158891	105.15	ug/l	99
31) 2,2-Dichloropropane	6.83	77	93989	20.43	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	84658	20.78	ug/l	100
33) Carbon Tetrachloride	7.77	117	67538	20.61	ug/l	97
34) Benzene	8.04	78	246520	20.91	ug/l	97
35) Methacrylonitrile	7.18	41	36868	20.84	ug/l	100
36) 1,2-Dichloroethane	8.13	62	86123	20.62	ug/l	99
37) Trichloroethene	8.84	130	55900	21.06	ug/l	97
38) Methylcyclohexane	9.08	83	102101	20.64	ug/l	99
39) 1,2-Dichloropropane	9.12	63	70480	20.69	ug/l	99
40) Dibromomethane	9.21	93	36353	21.08	ug/l	99

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	81614	20.72	ug/l	97
42) Vinyl Acetate	5.90	43	810281	103.38	ug/l	100
43) Ethyl Acetate	6.93	43	59633	19.88	ug/l	96
44) Isopropyl Acetate	8.17	43	115850	20.40	ug/l	98
45) 1,4-Dioxane	9.20	88	13347	442.78	ug/l	93
46) Methyl methacrylate	9.20	41	57034	20.24	ug/l	97
47) n-amyl Acetate	12.08	43	108036	20.58	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	88249	20.13	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	101215	20.17	ug/l	100
50) 1,1,2-Trichloroethane	10.57	97	52400	21.26	ug/l	99
51) Ethyl methacrylate	10.43	69	83711	21.09	ug/l	99
52) 1,3-Dichloropropane	10.71	76	94204	20.30	ug/l	99
53) Dibromochloromethane	10.90	129	51914	20.57	ug/l	100
54) 1,2-Dibromoethane	11.01	107	45452	20.49	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	180098	106.80	ug/l	100
56) Bromoform	12.13	173	31785	20.40	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	317460	105.38	ug/l	99
59) 2-Hexanone	10.76	43	224557	105.27	ug/l	100
61) Tetrachloroethene	10.63	164	45852	20.83	ug/l	98
62) Toluene	10.16	91	249065	20.79	ug/l	100
64) Chlorobenzene	11.44	112	146550	20.96	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	47570	20.22	ug/l	100
66) Ethyl Benzene	11.52	91	273631	20.81	ug/l	100
67) m/p-Xylenes	11.63	106	195565	41.37	ug/l	100
68) o-Xylene	11.95	106	94892	20.70	ug/l	99
69) Styrene	11.97	104	159409	21.04	ug/l	98
70) Isopropylbenzene	12.26	105	257998	21.16	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	68362	21.70	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	88389	34.08	ug/l	51
73) Bromobenzene	12.53	156	54321	21.19	ug/l	99
74) n-propylbenzene	12.60	91	321543	21.02	ug/l	100
75) 2-Chlorotoluene	12.68	91	186320	20.88	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	215320	20.85	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	20525	20.89	ug/l	98
78) 4-Chlorotoluene	12.78	91	192043	21.07	ug/l	98
79) tert-butylbenzene	13.00	119	181360	21.07	ug/l	100
80) 1,2,4-Trimethylbenzene	13.18	105	262213	25.13	ug/l	100
81) sec-Butylbenzene	13.18	105	262213	21.03	ug/l	99
82) p-Isopropyltoluene	13.30	119	219320	21.03	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	101862	21.55	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	101214	21.78	ug/l	100
85) n-Butylbenzene	13.62	91	224321	21.31	ug/l	100
86) Hexachloroethane	13.88	117	39572	20.38	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	98224	21.61	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	11987	21.11	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	60532	22.61	ug/l	99
90) Hexachlorobutadiene	15.02	225	33322	23.28	ug/l	100
91) Naphthalene	15.14	128	146374	22.83	ug/l	100
92) 1,2,3-Trichlorobenzene	15.33	180	60186	23.41	ug/l	99

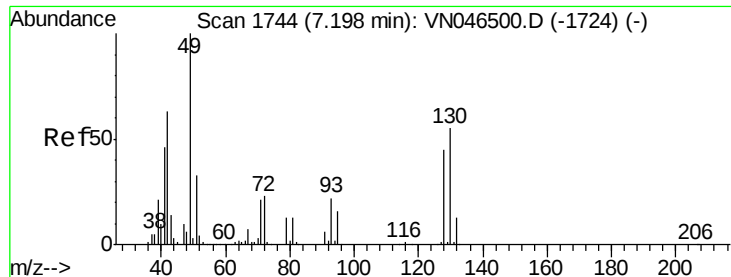
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
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Response via : Initial Calibration

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: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

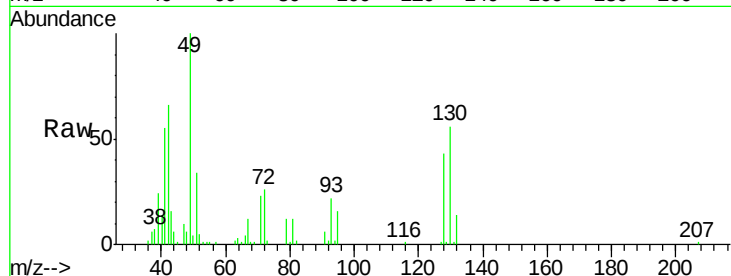
Tgt Ion:128 Resp: 35990

Ion Ratio Lower Upper

128 100

49 226.2 0.0 566.8

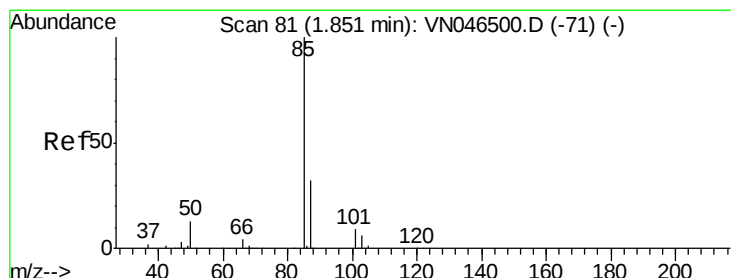
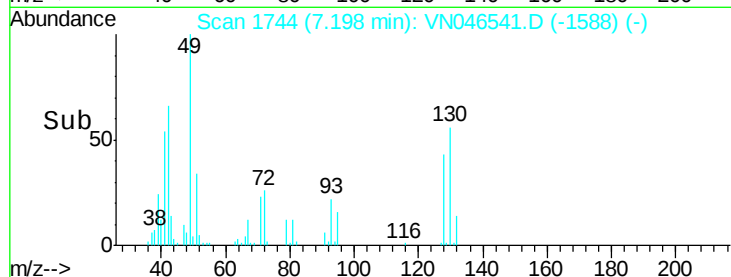
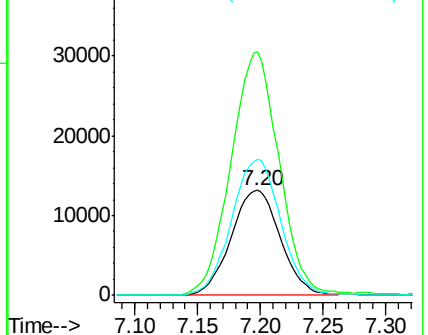
130 129.0 0.0 323.3



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: 20.95 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN046541.D

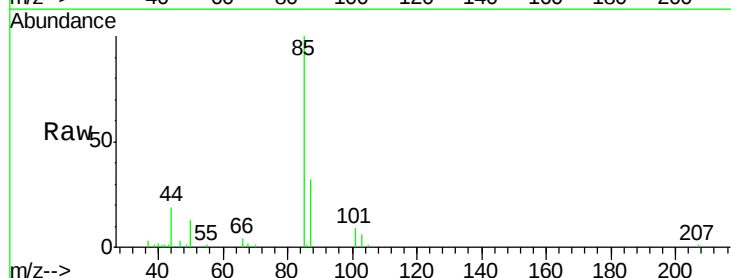
Acq: 24 Jan 2018 12:25

Tgt Ion: 85 Resp: 49019

Ion Ratio Lower Upper

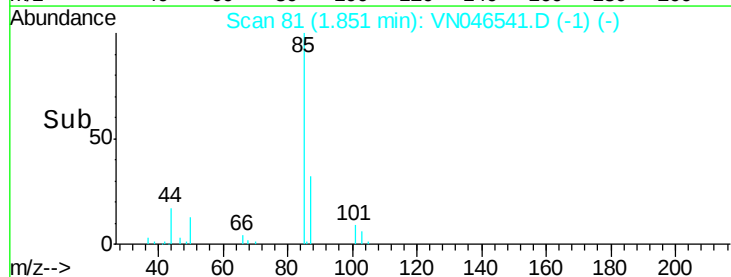
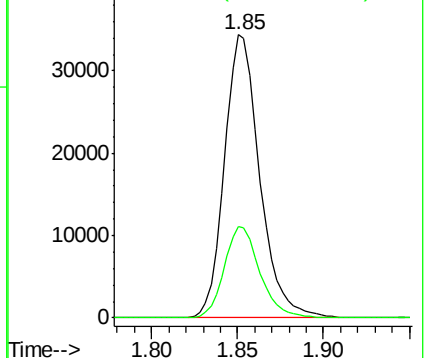
85 100

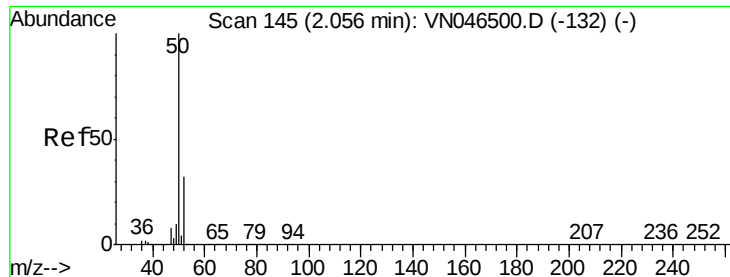
87 32.4 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 21.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

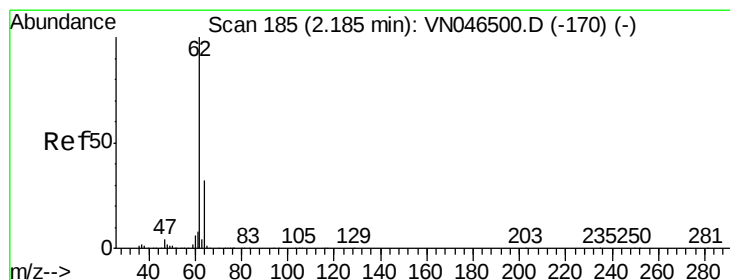
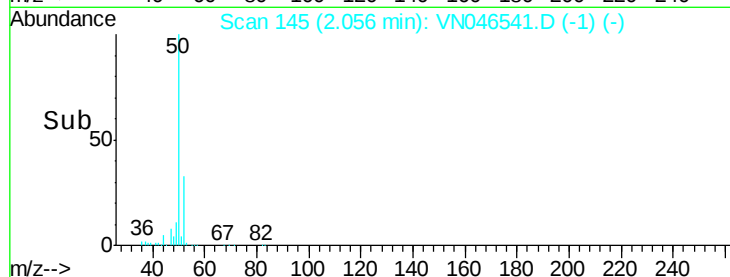
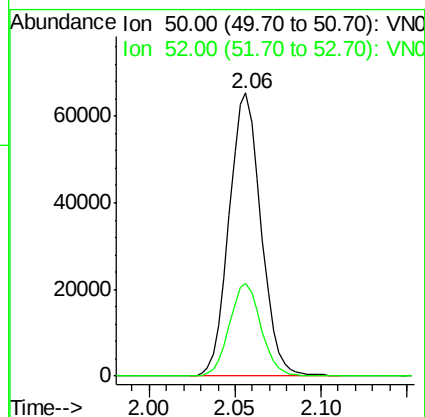
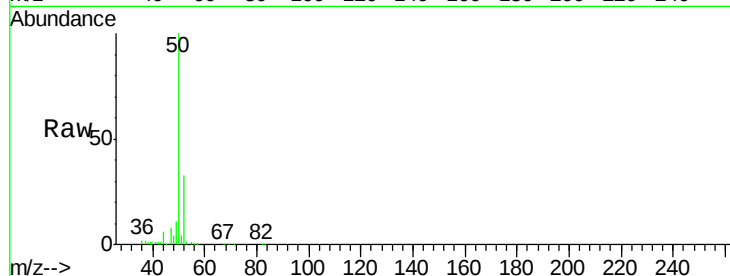
ICVFN012418

Tgt Ion: 50 Resp: 84383

Ion Ratio Lower Upper

50 100

52 32.7 25.8 38.6



#4

Vinyl Chloride

Concen: 21.09 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046541.D

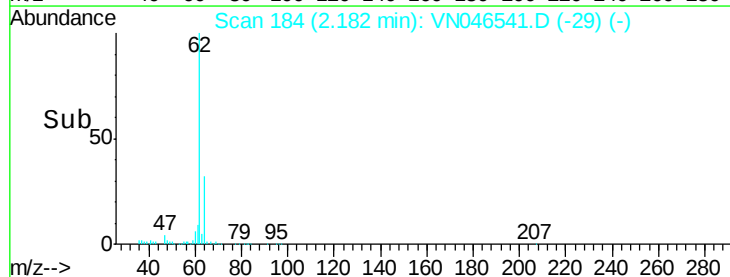
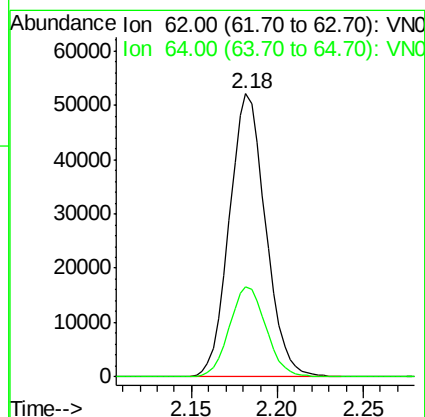
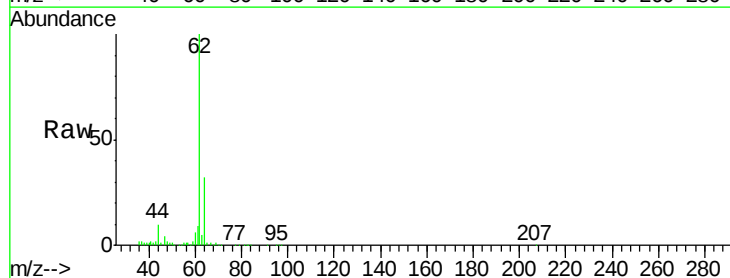
Acq: 24 Jan 2018 12:25

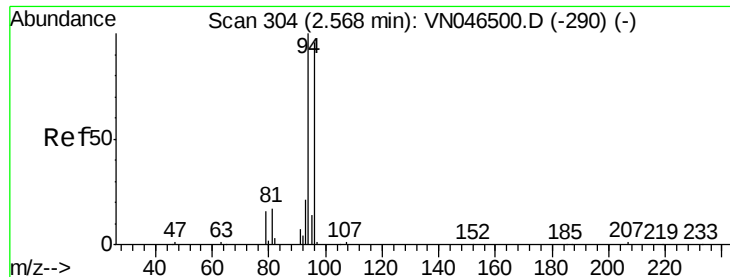
Tgt Ion: 62 Resp: 76473

Ion Ratio Lower Upper

62 100

64 31.8 25.5 38.3





#5

Bromomethane

Concen: 21.22 ug/l

RT: 2.57 min Scan# 304

Delta R.T. -0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

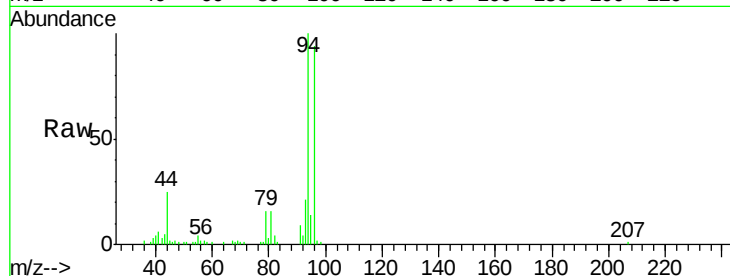
ICVVN012418

Tgt Ion: 94 Resp: 41332

Ion Ratio Lower Upper

94 100

96 93.1 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

25000

20000

15000

10000

5000

0

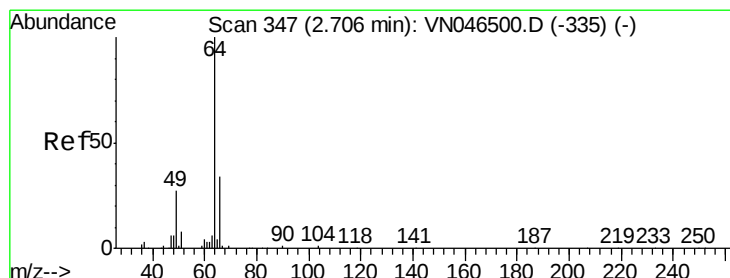
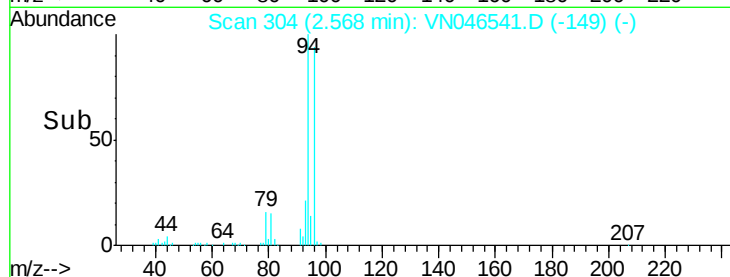
2.50

2.55

2.60

2.65

Time-->



#6

Chloroethane

Concen: 20.87 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN046541.D

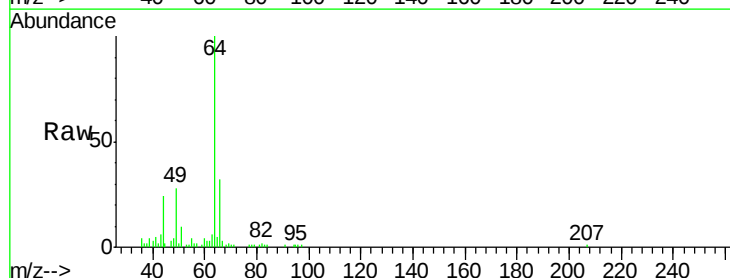
Acq: 24 Jan 2018 12:25

Tgt Ion: 64 Resp: 43285

Ion Ratio Lower Upper

64 100

66 32.2 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

25000

20000

15000

10000

5000

0

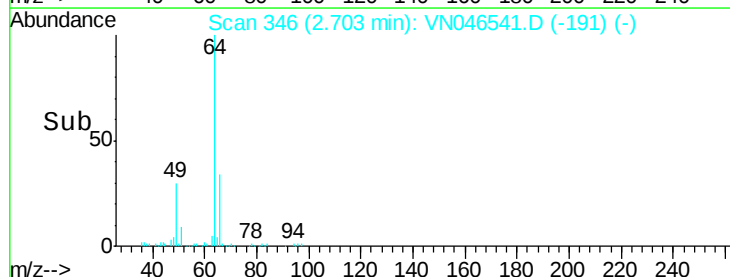
2.65

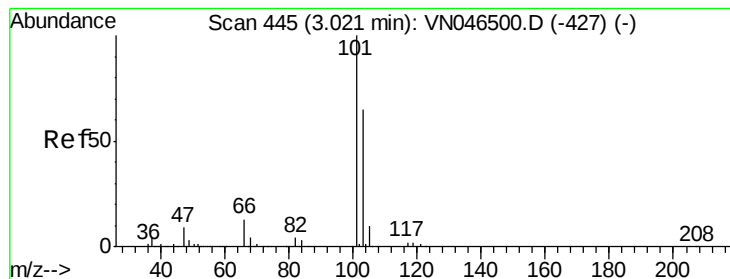
2.70

2.75

2.80

Time-->



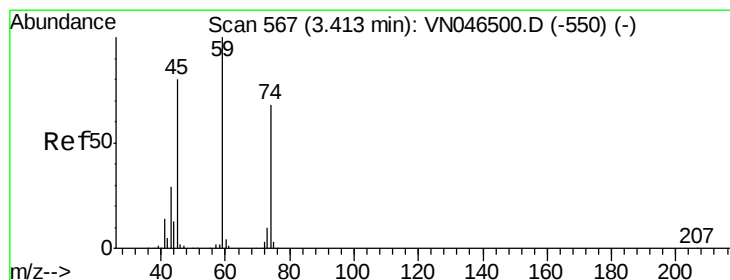
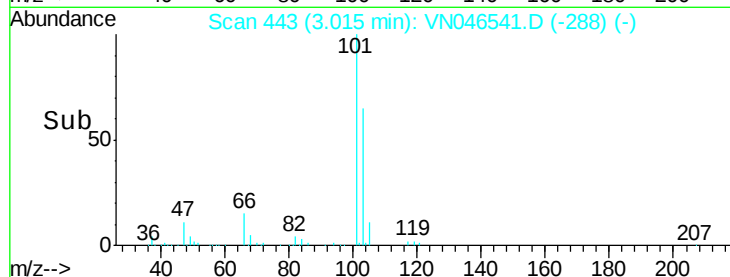
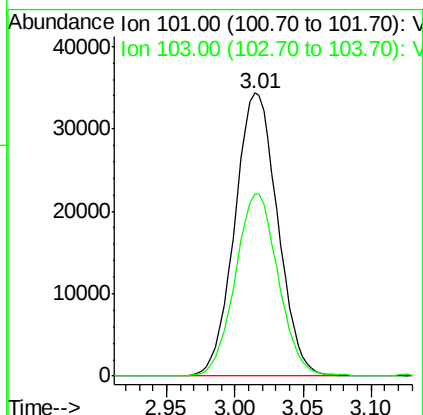
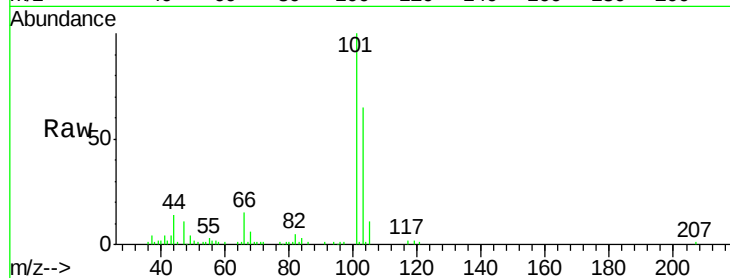


#7

Trichlorofluoromethane
 Concen: 21.14 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. -0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Instrument :
 MSVOA_N
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 ICVVN012418

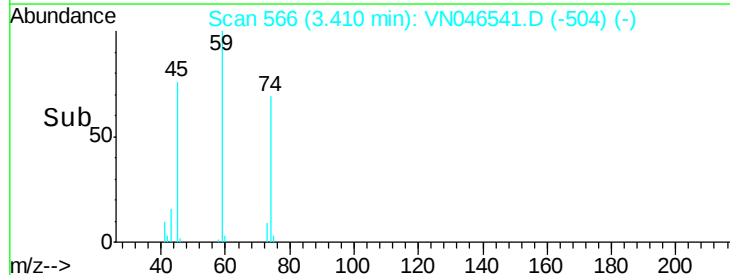
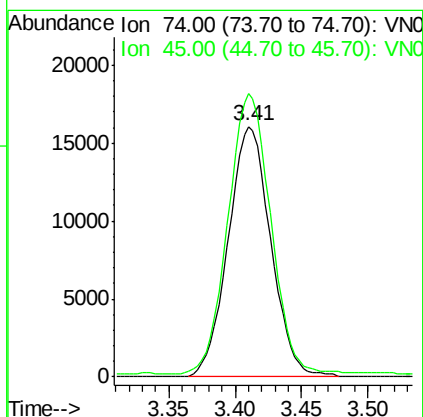
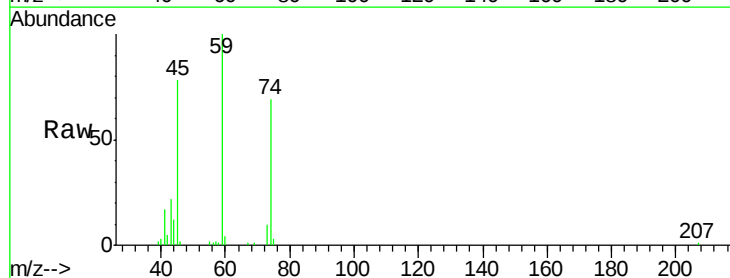
Tgt Ion:101 Resp: 75053
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.4

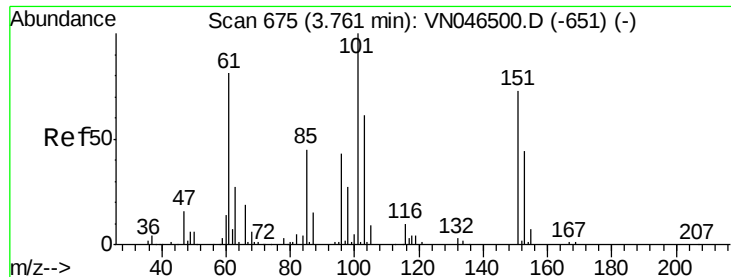


#8

Diethyl Ether
 Concen: 20.90 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 74 Resp: 35845
 Ion Ratio Lower Upper
 74 100
 45 111.2 22.0 197.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.22 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

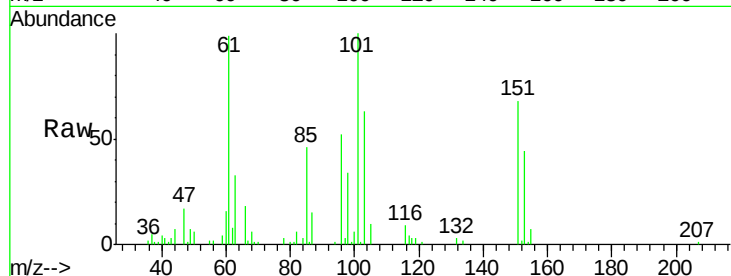
Tgt Ion: 101 Resp: 50438

Ion Ratio Lower Upper

101 100

85 46.2 0.0 90.8

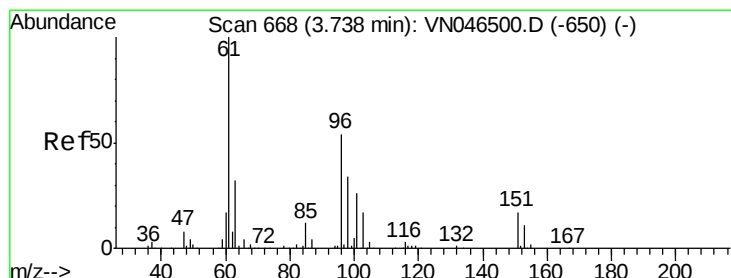
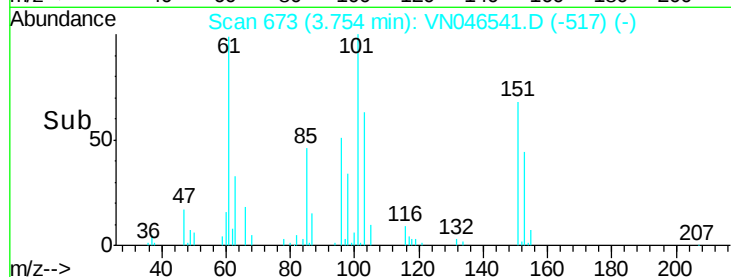
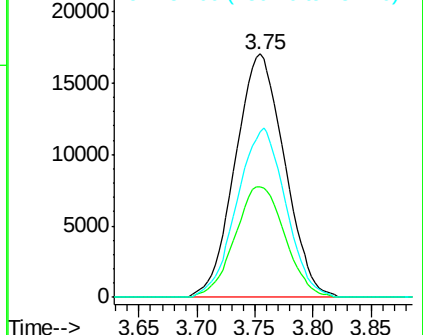
151 68.7 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): VN046541.D (-517) (-)

Ion 85.00 (84.70 to 85.70): VN046541.D (-517) (-)

Ion 151.00 (150.70 to 151.70): VN046541.D (-517) (-)



#10

1,1-Dichloroethene

Concen: 20.96 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

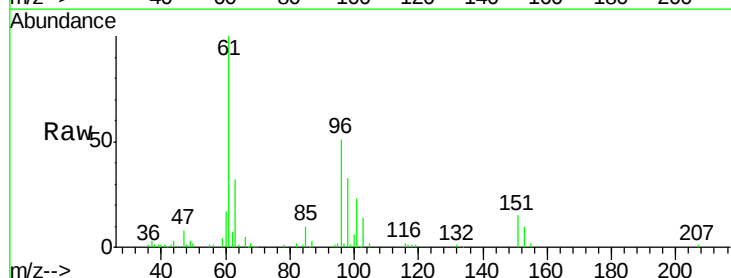
Tgt Ion: 96 Resp: 50286

Ion Ratio Lower Upper

96 100

61 196.2 152.4 228.6

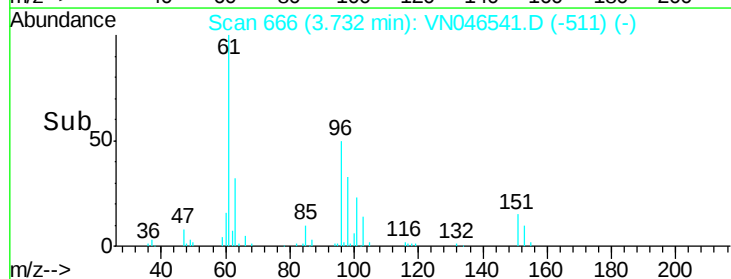
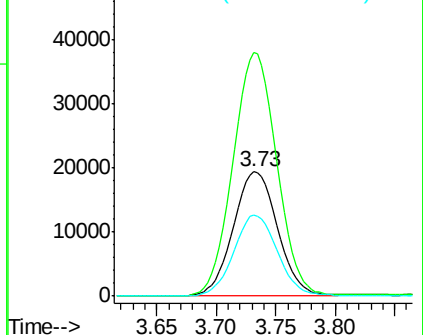
98 65.2 51.3 76.9

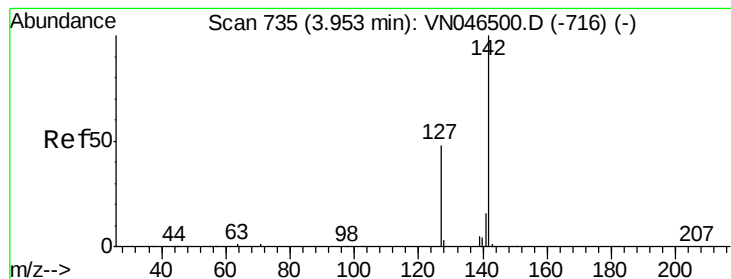


Abundance Ion 96.00 (95.70 to 96.70): VN046541.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VN046541.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VN046541.D (-511) (-)





#11

Methyl Iodide

Concen: 19.12 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

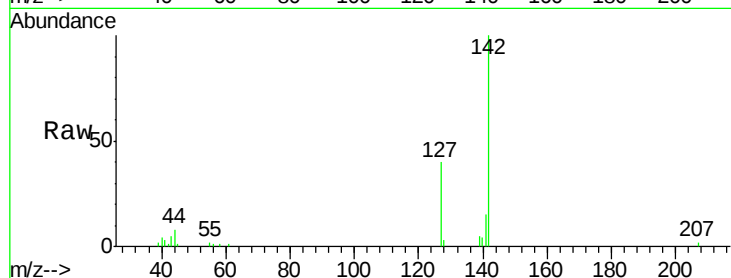
Tgt Ion:142 Resp: 38005

Ion Ratio Lower Upper

142 100

127 40.0 21.1 63.3

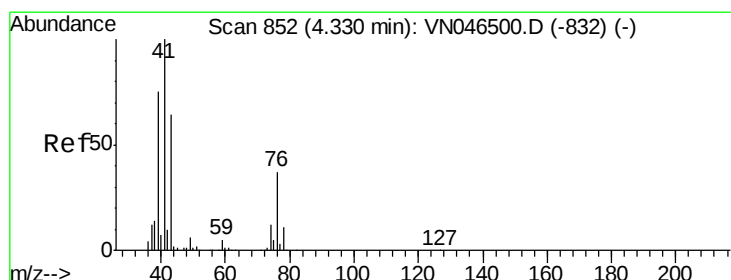
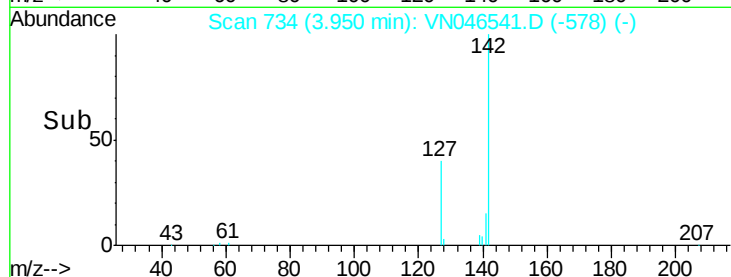
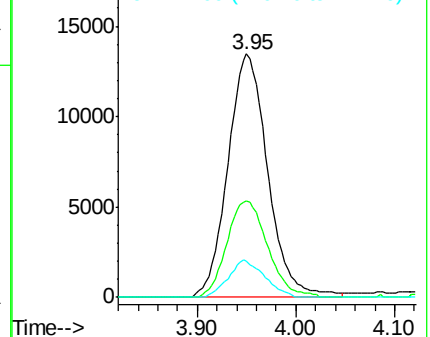
141 14.9 7.3 21.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 22.33 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN046541.D

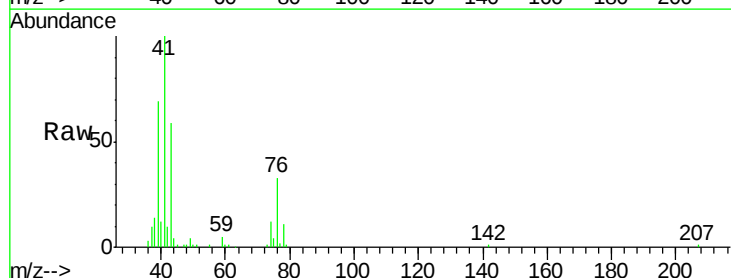
Acq: 24 Jan 2018 12:25

Tgt Ion: 43 Resp: 60958

Ion Ratio Lower Upper

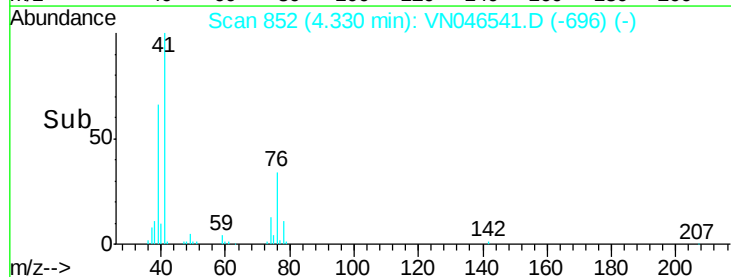
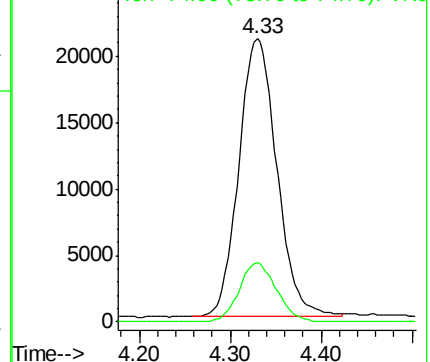
43 100

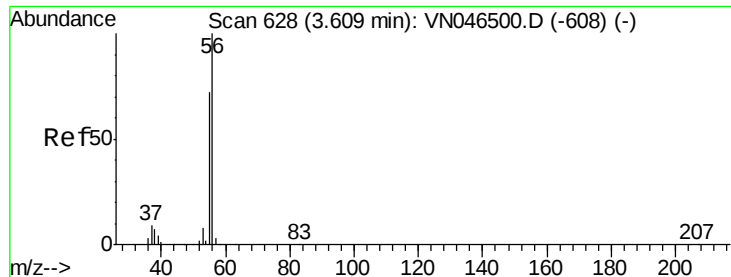
74 21.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 101.86 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

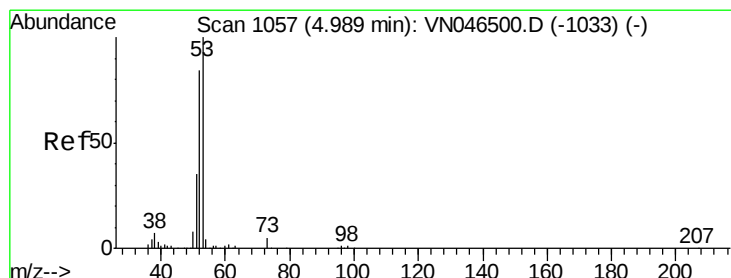
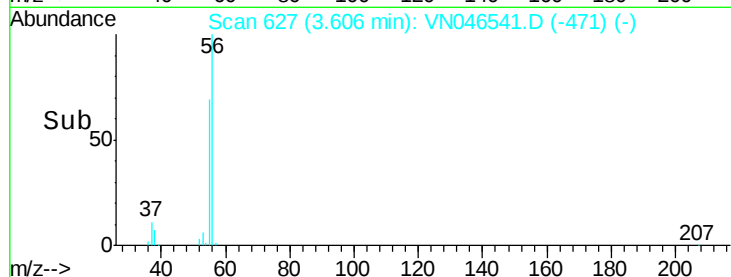
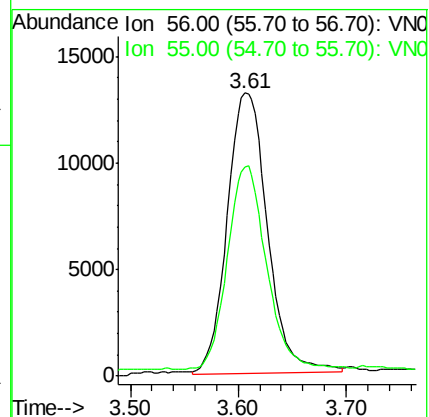
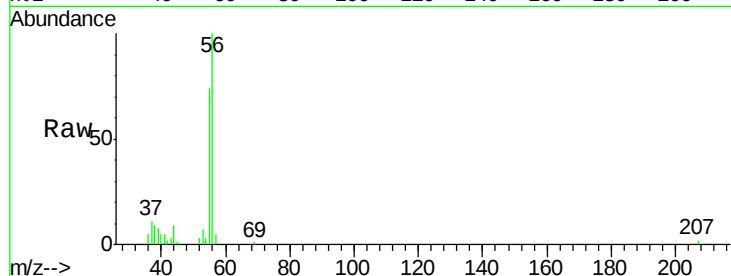
ICVVN012418

Tgt Ion: 56 Resp: 34203

Ion Ratio Lower Upper

56 100

55 68.7 58.9 88.3



#14

Acrylonitrile

Concen: 107.78 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

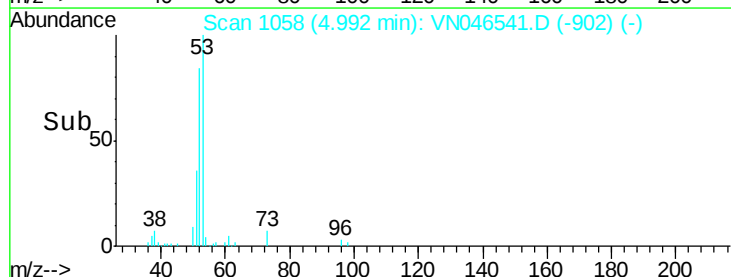
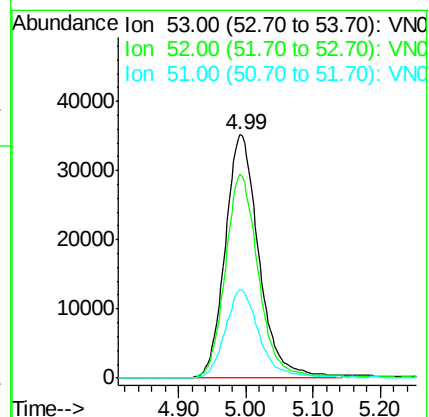
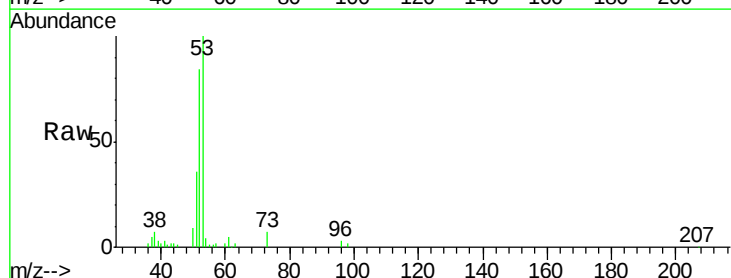
Tgt Ion: 53 Resp: 122691

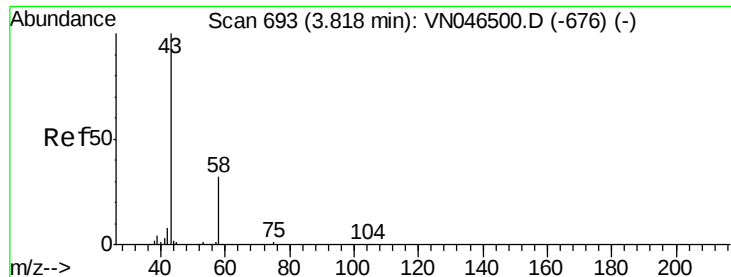
Ion Ratio Lower Upper

53 100

52 81.7 40.9 122.7

51 36.4 18.1 54.1





#15

Acetone

Concen: 109.32 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

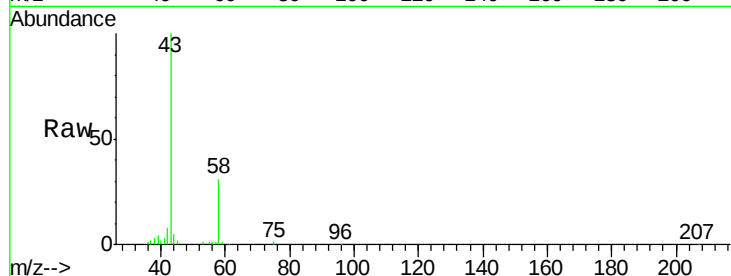
ICVFN012418

Tgt Ion: 58 Resp: 37512

Ion Ratio Lower Upper

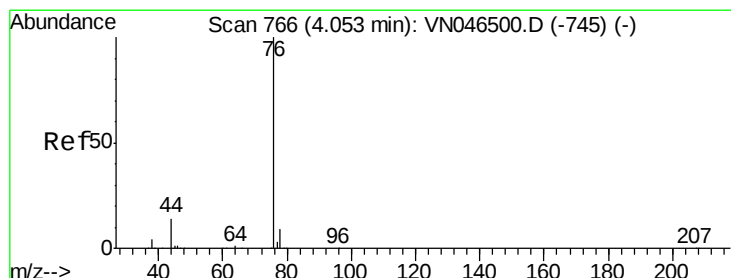
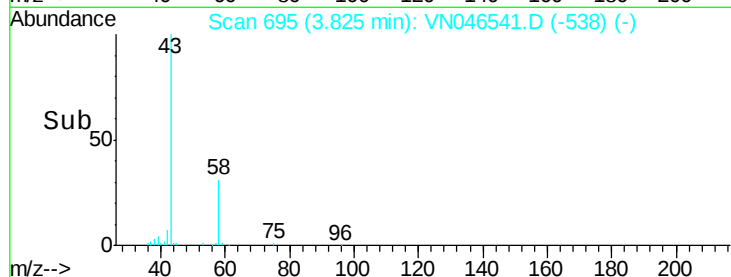
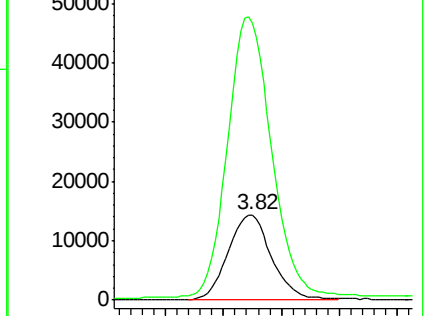
58 100

43 319.8 285.3 427.9



Abundance Ion 58.00 (57.70 to 58.70): VN046541.D (-695) (-)

Ion 43.00 (42.70 to 43.70): VN046541.D (-695) (-)



#16

Carbon Disulfide

Concen: 22.60 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN046541.D

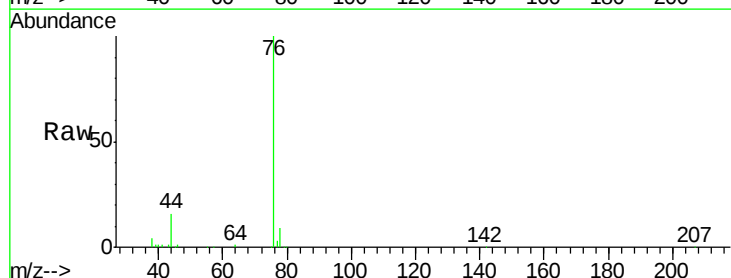
Acq: 24 Jan 2018 12:25

Tgt Ion: 76 Resp: 181028

Ion Ratio Lower Upper

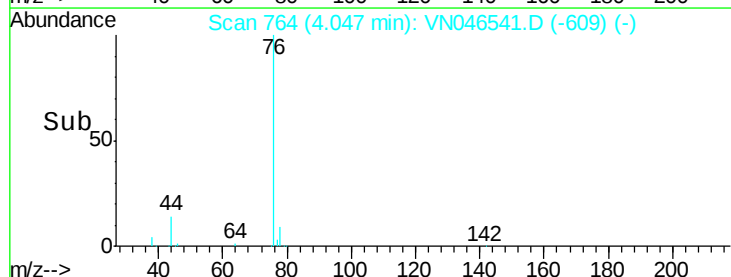
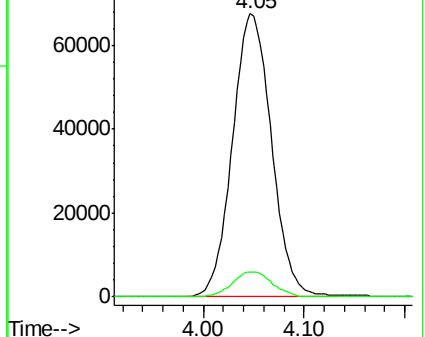
76 100

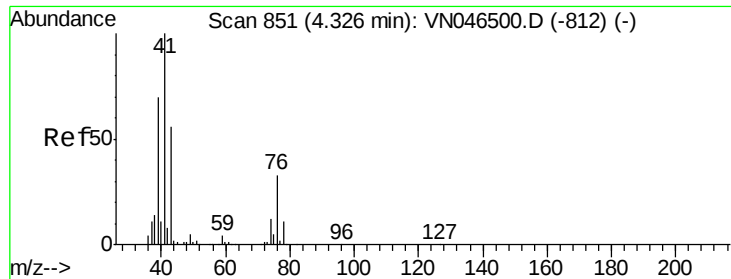
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VN046541.D (-764) (-)

Ion 78.00 (77.70 to 78.70): VN046541.D (-764) (-)

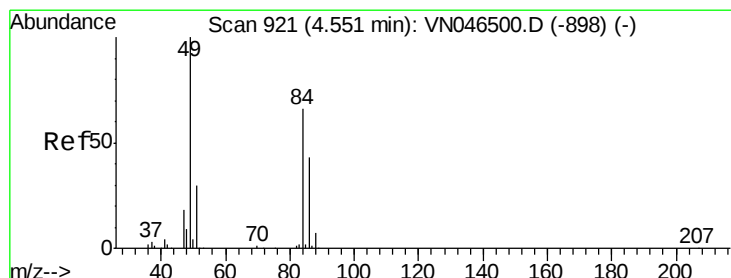
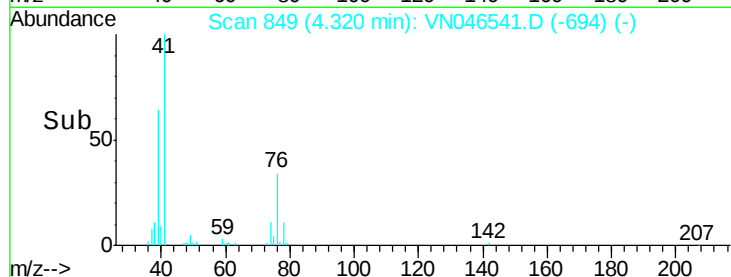
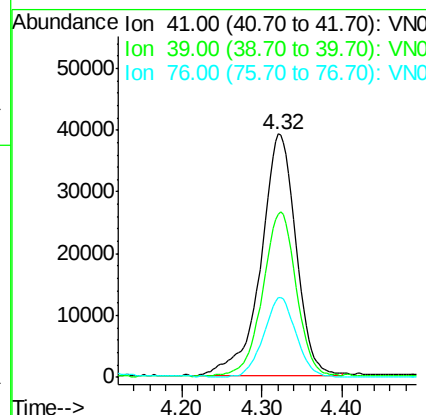
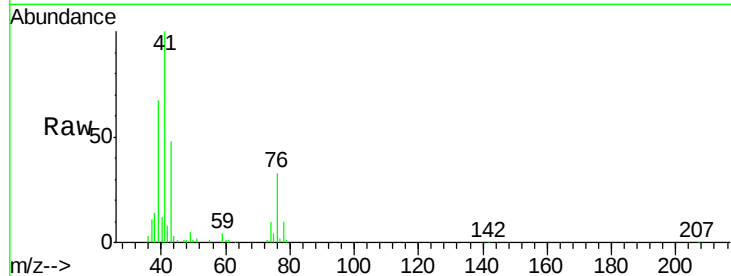




#17
 Allyl chloride
 Concen: 20.99 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

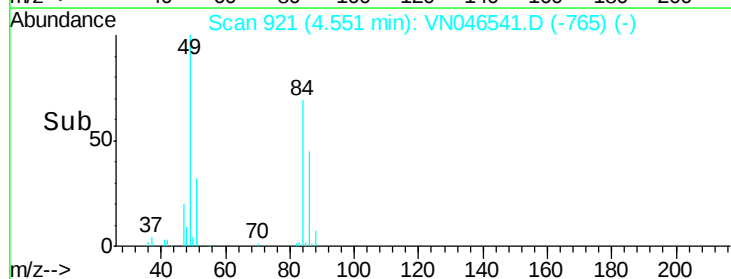
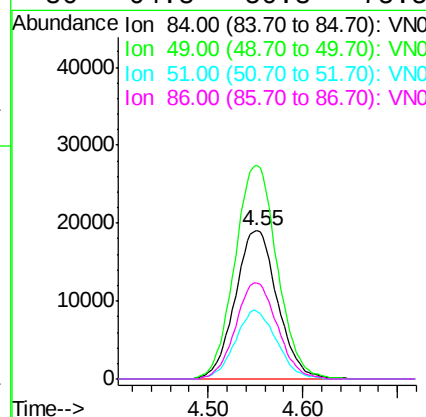
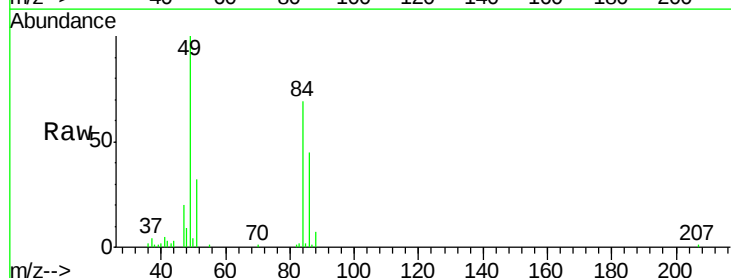
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

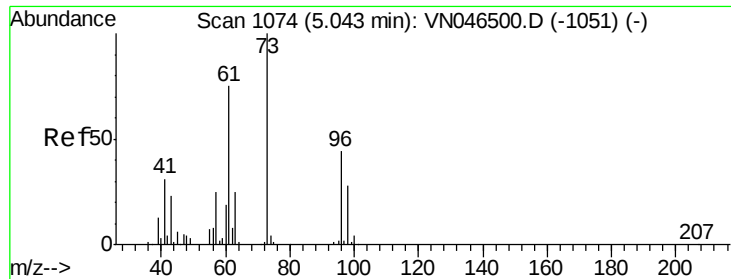
Tgt Ion: 41 Resp: 117572
 Ion Ratio Lower Upper
 41 100
 39 67.1 33.5 100.4
 76 32.6 15.9 47.7



#18
 Methylene Chloride
 Concen: 20.79 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 84 Resp: 59271
 Ion Ratio Lower Upper
 84 100
 49 143.9 113.9 170.9
 51 45.9 36.3 54.5
 86 64.8 50.3 75.5

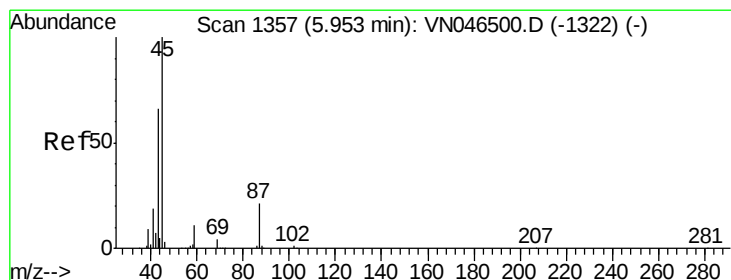
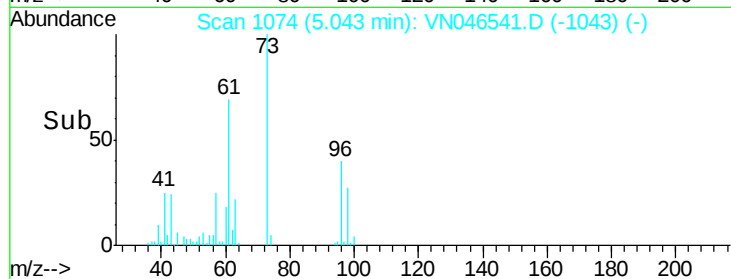
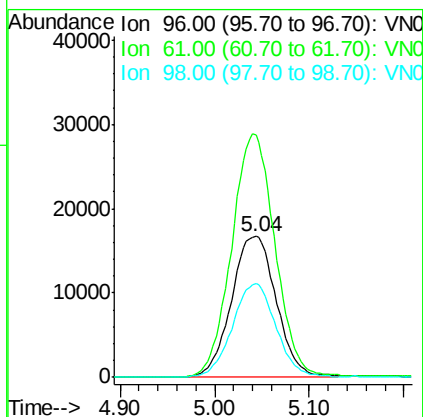
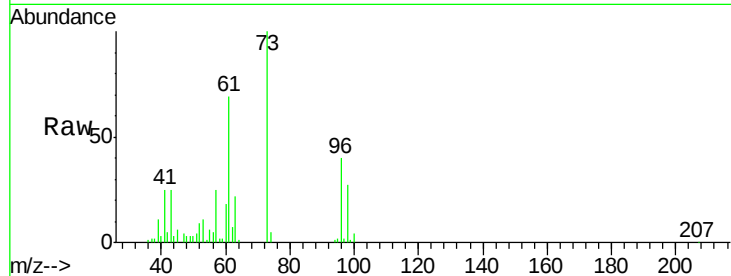




#19
trans-1,2-Dichloroethene
Concen: 22.05 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

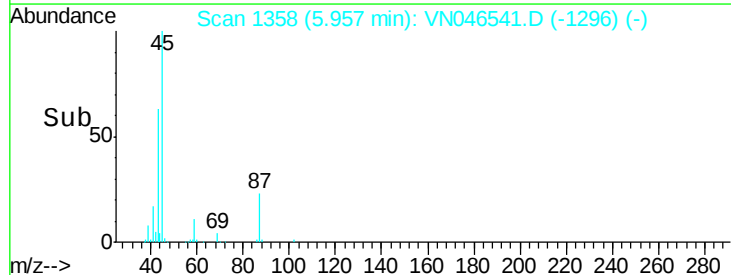
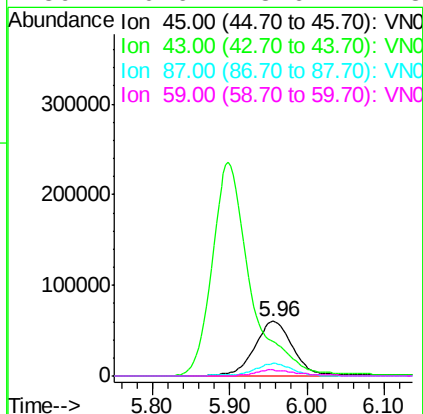
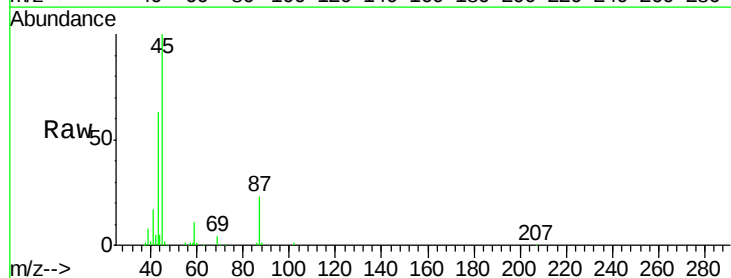
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

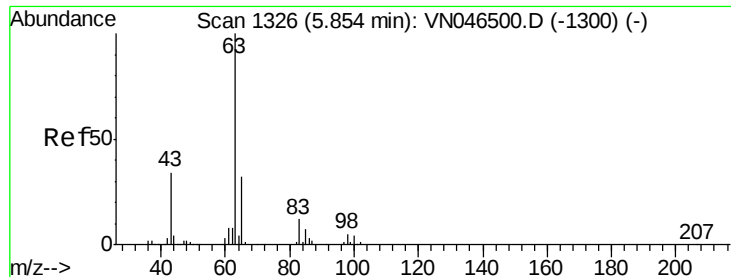
Tgt Ion: 96 Resp: 55254
Ion Ratio Lower Upper
96 100
61 171.2 137.3 205.9
98 66.7 52.3 78.5



#20
Diisopropyl ether
Concen: 20.12 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 45 Resp: 207674
Ion Ratio Lower Upper
45 100
43 58.2 45.1 67.7
87 21.8 16.6 24.8
59 10.6 8.6 12.8





#21

1,1-Dichloroethane

Concen: 20.86 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

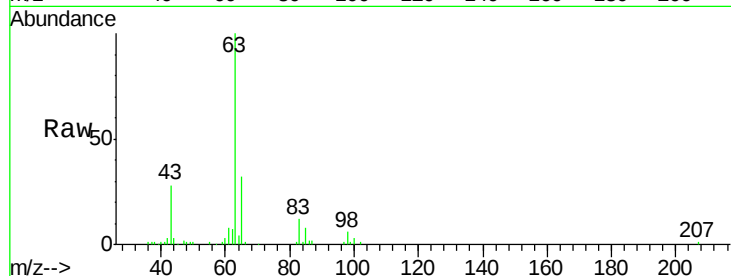
Tgt Ion: 63 Resp: 116886

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.9

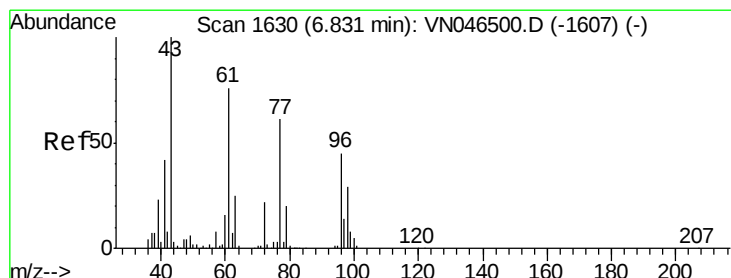
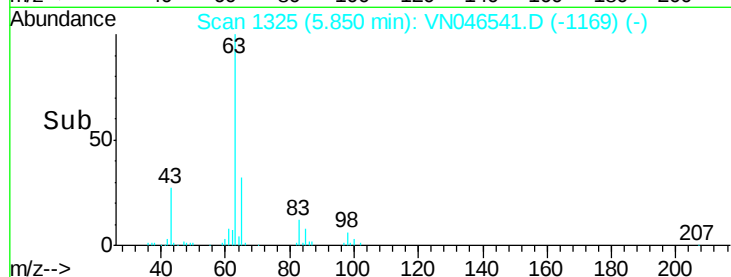
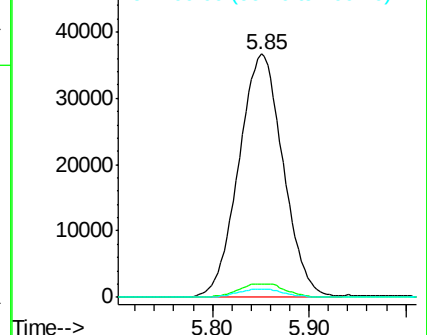
100 3.3 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VN046541.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VN046541.D (-1169) (-)

Ion 100.00 (99.70 to 100.70): VN046541.D (-1169) (-)



#22

cis-1,2-Dichloroethene

Concen: 21.16 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

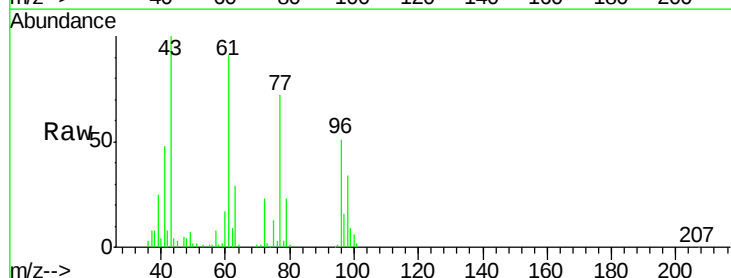
Tgt Ion: 96 Resp: 61729

Ion Ratio Lower Upper

96 100

61 175.3 141.3 211.9

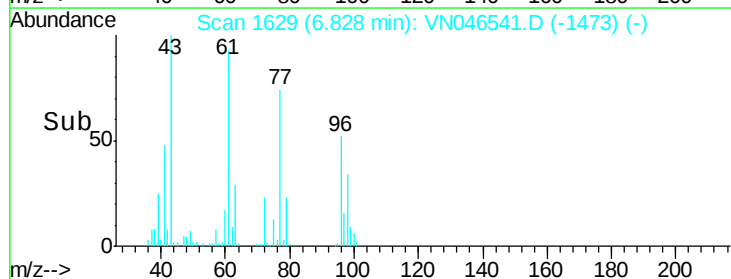
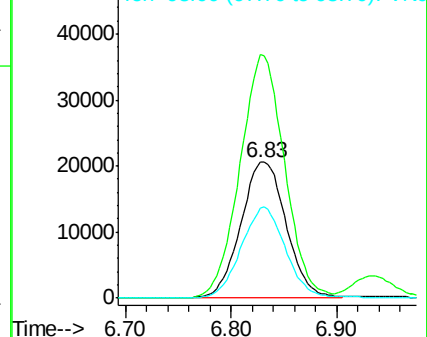
98 65.2 51.0 76.6

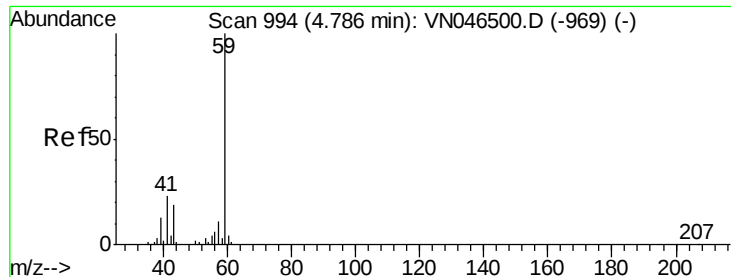


Abundance Ion 96.00 (95.70 to 96.70): VN046541.D (-1473) (-)

Ion 61.00 (60.70 to 61.70): VN046541.D (-1473) (-)

Ion 98.00 (97.70 to 98.70): VN046541.D (-1473) (-)





#23

tert-Butyl Alcohol

Concen: 108.54 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

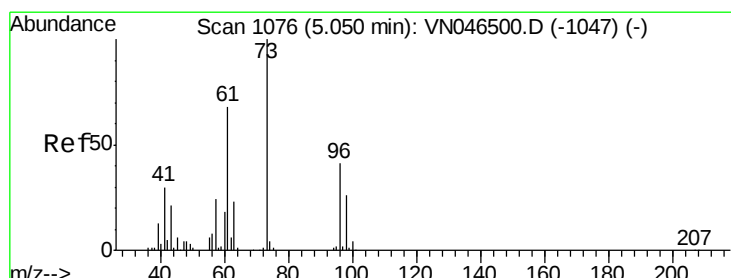
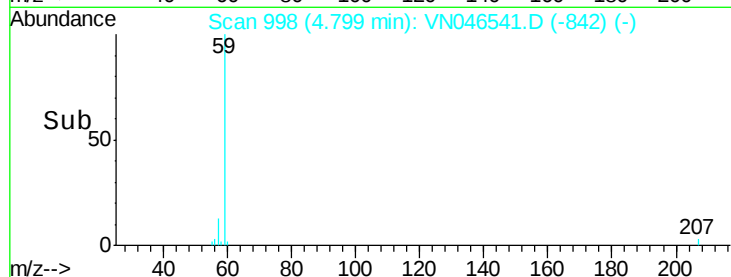
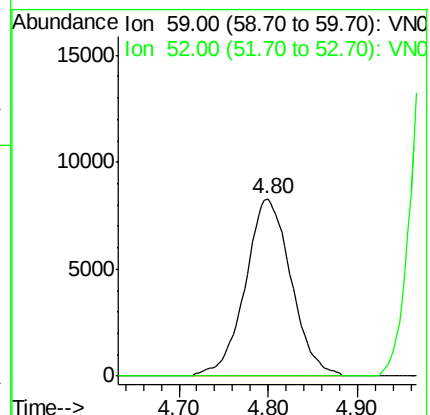
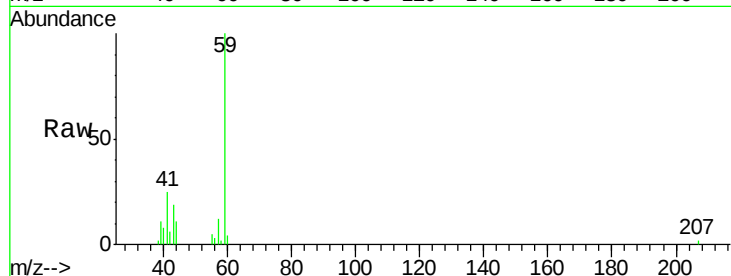
ICVVN012418

Tgt Ion: 59 Resp: 29571

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 20.81 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN046541.D

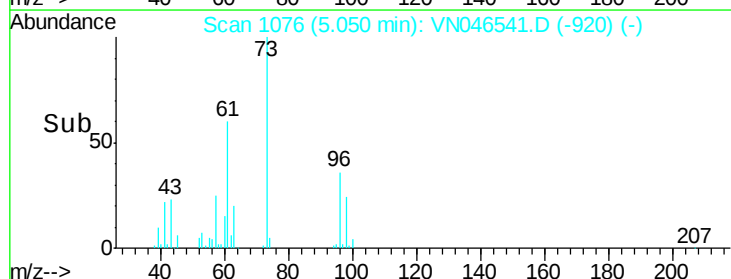
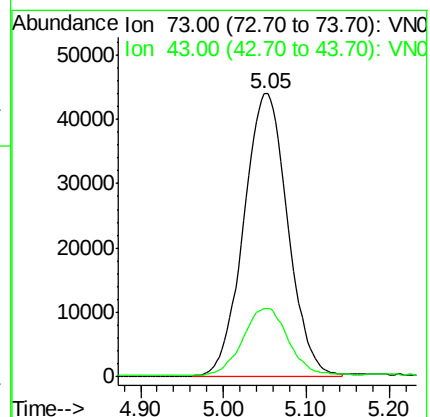
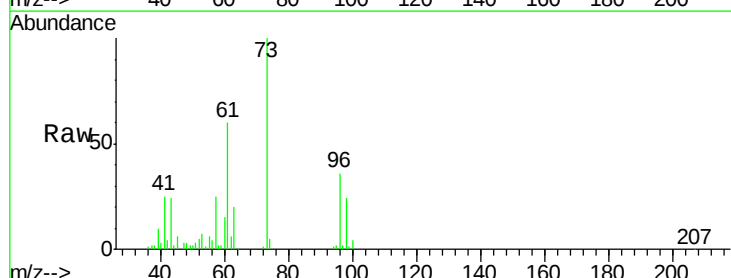
Acq: 24 Jan 2018 12:25

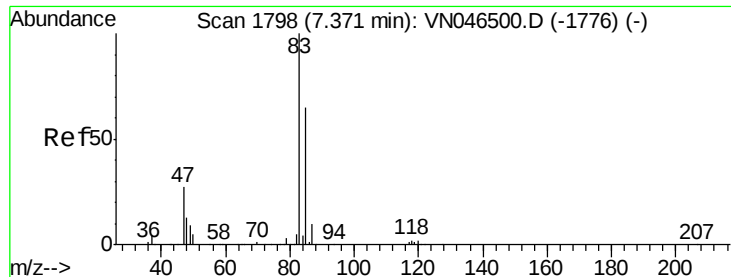
Tgt Ion: 73 Resp: 163051

Ion Ratio Lower Upper

73 100

43 23.9 19.0 28.6





#25

Chloroform

Concen: 21.04 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

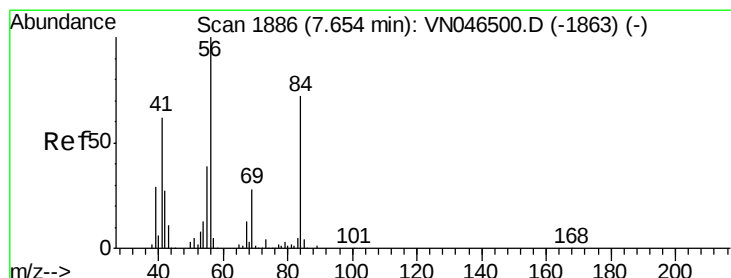
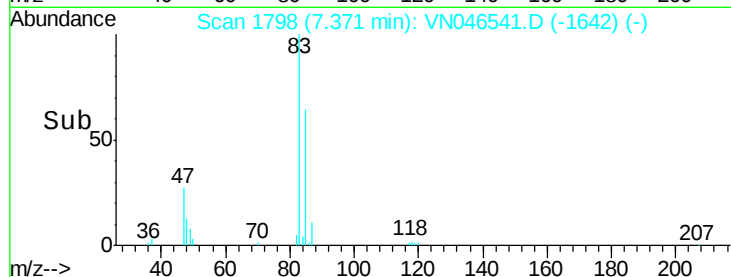
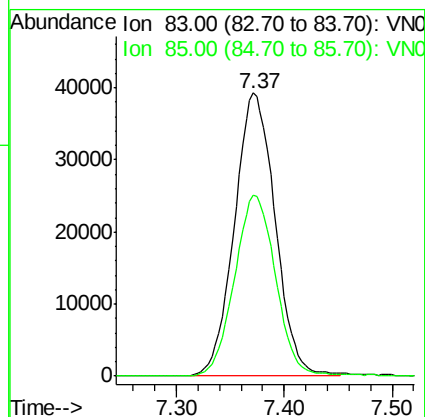
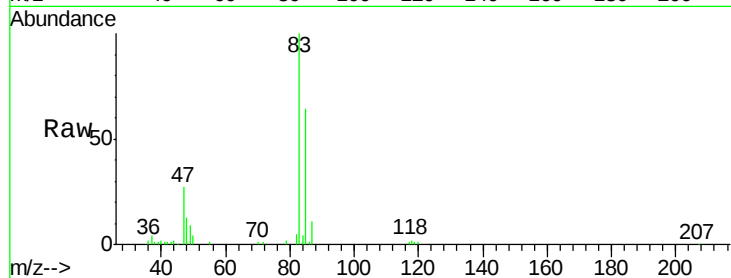
ICVVN012418

Tgt Ion: 83 Resp: 103289

Ion Ratio Lower Upper

83 100

85 63.8 51.4 77.0



#26

Cyclohexane

Concen: 20.68 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

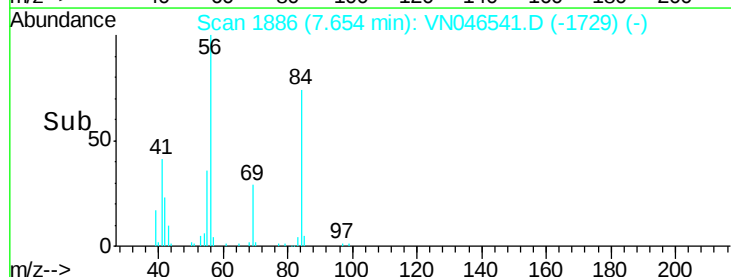
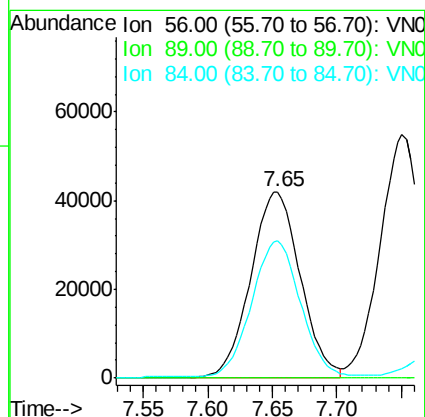
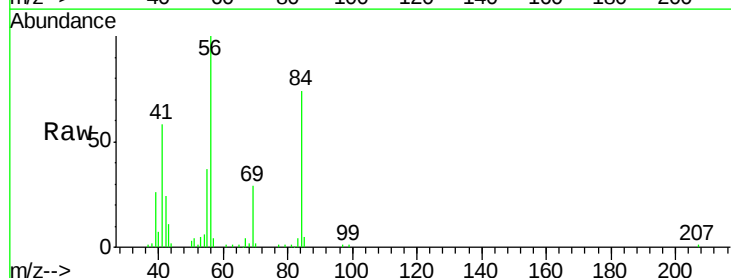
Tgt Ion: 56 Resp: 111295

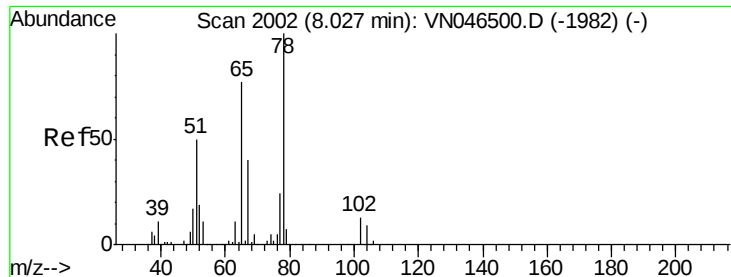
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 73.0 56.8 85.2

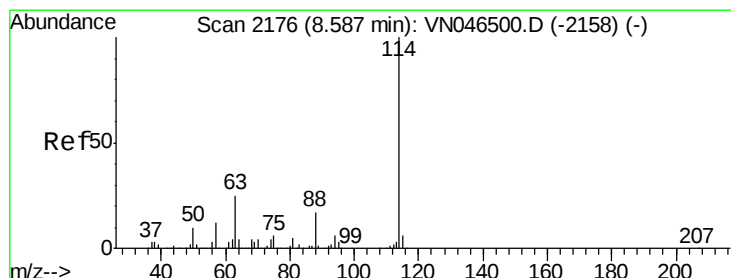
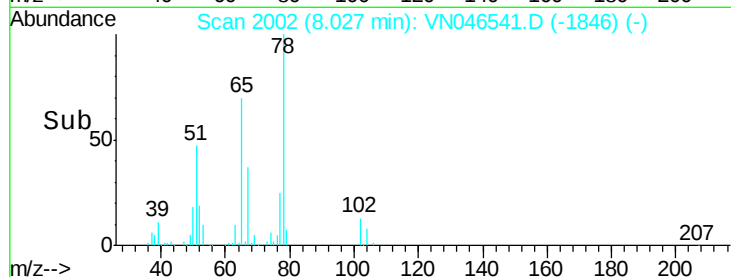
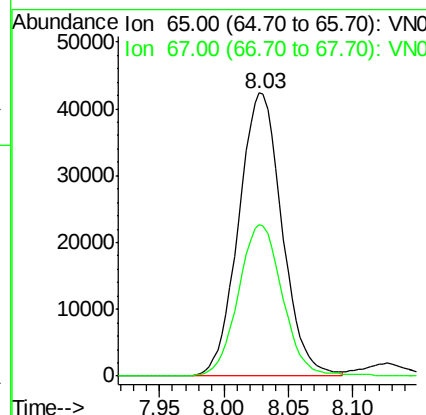
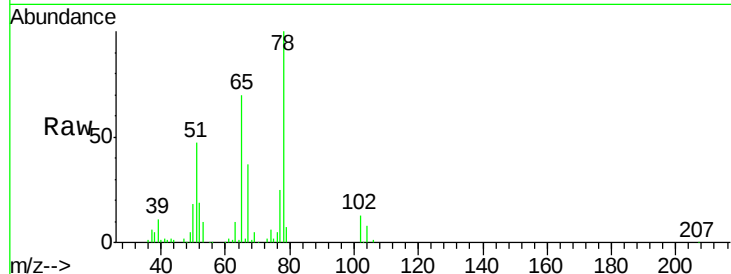




#27
 1,2-Dichloroethane-d4
 Concen: 30.48 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

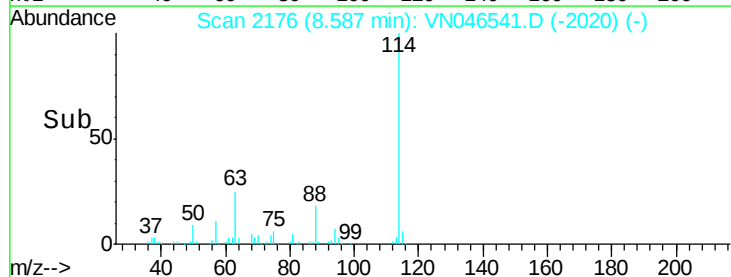
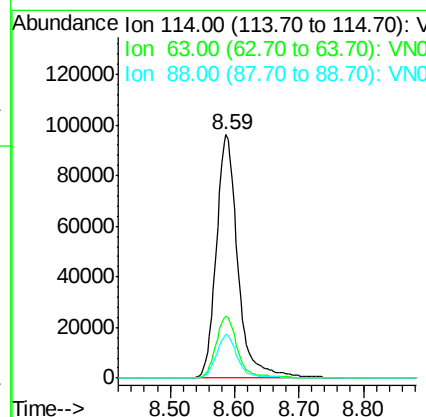
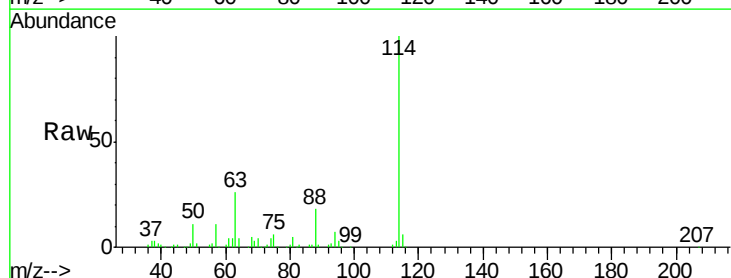
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

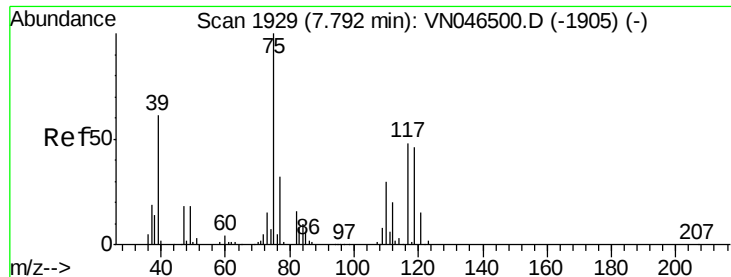
Tgt Ion: 65 Resp: 99404
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 114 Resp: 223612
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.2 30.4
 88 17.6 14.2 21.2

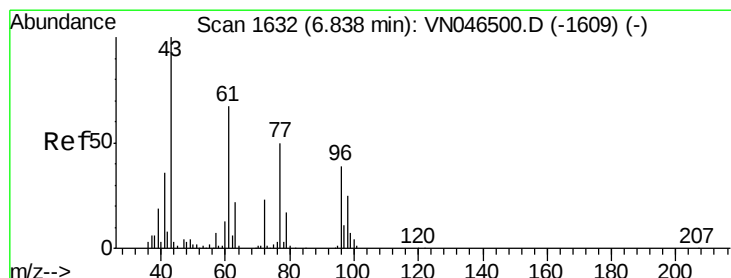
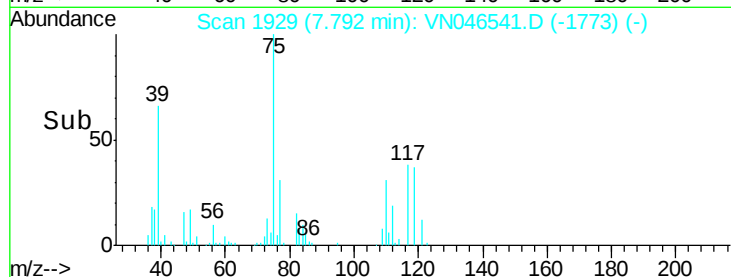
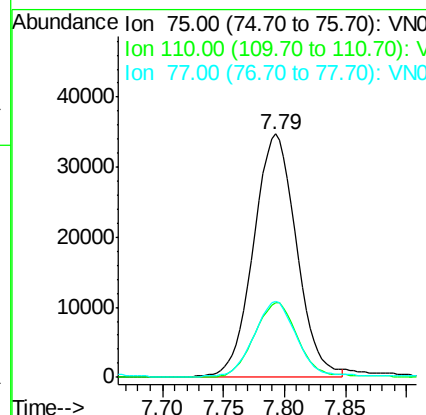
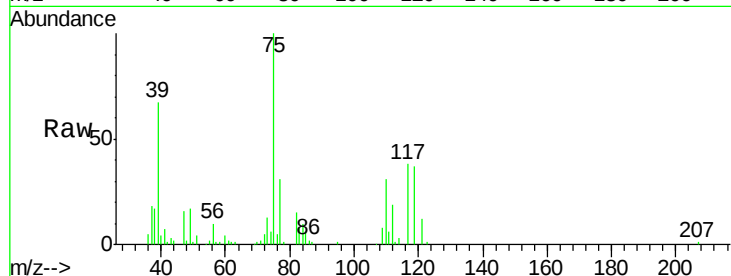




#29
 1,1-Dichloropropene
 Concen: 20.62 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

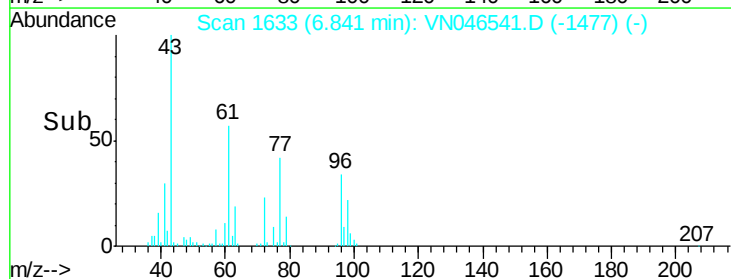
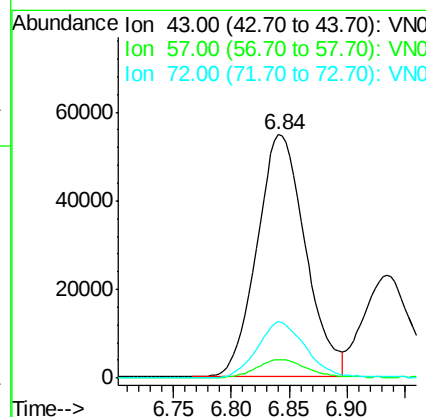
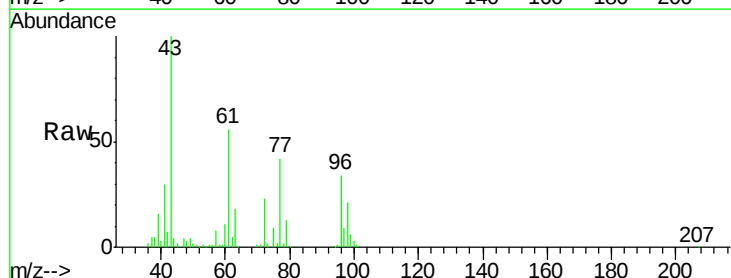
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

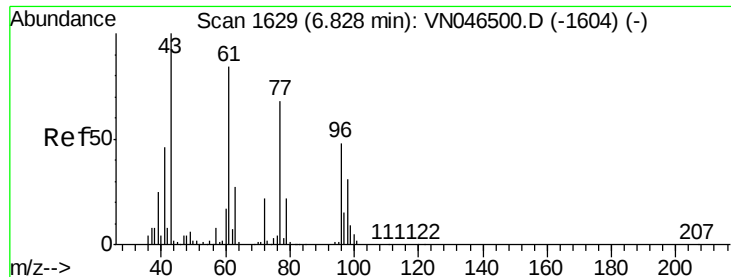
Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.8	0.0	61.0
77	31.1	0.0	63.2



#30
 2-Butanone
 Concen: 105.15 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.8	6.8	10.2
72	24.0	18.9	28.3





#31

2,2-Dichloropropane

Concen: 20.43 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

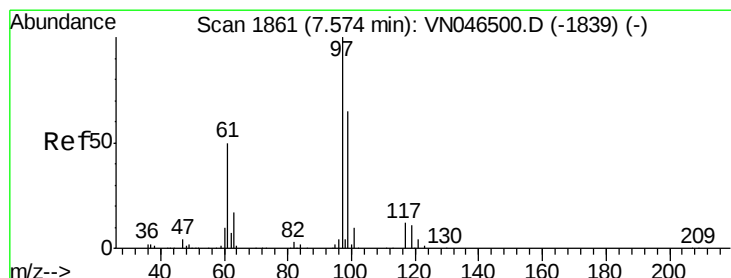
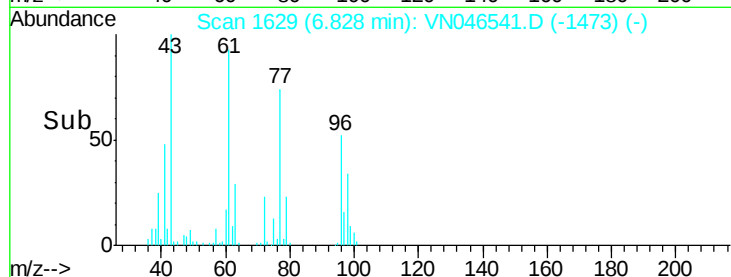
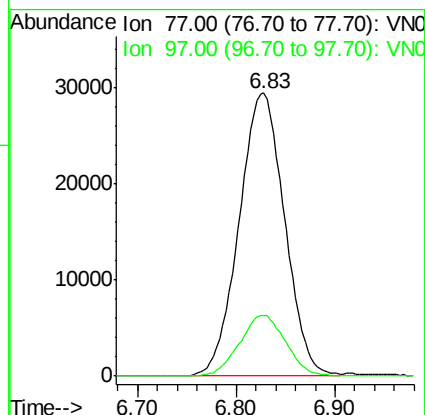
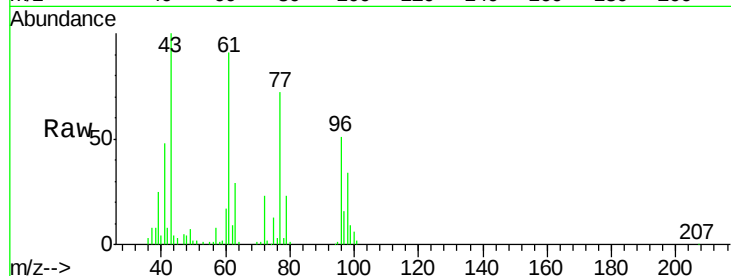
ICVVN012418

Tgt Ion: 77 Resp: 93989

Ion Ratio Lower Upper

77 100

97 21.7 17.2 25.8



#32

1,1,1-Trichloroethane

Concen: 20.78 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

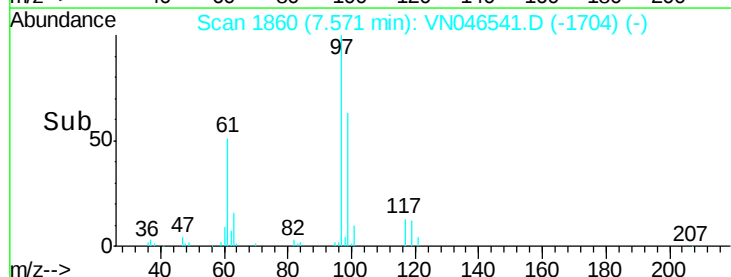
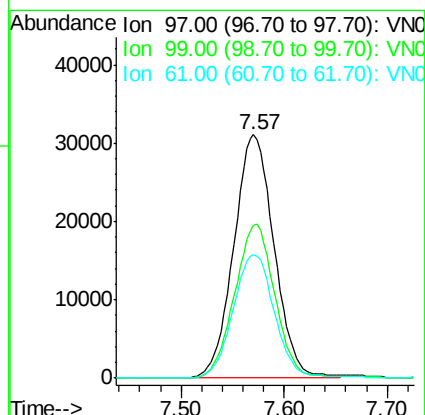
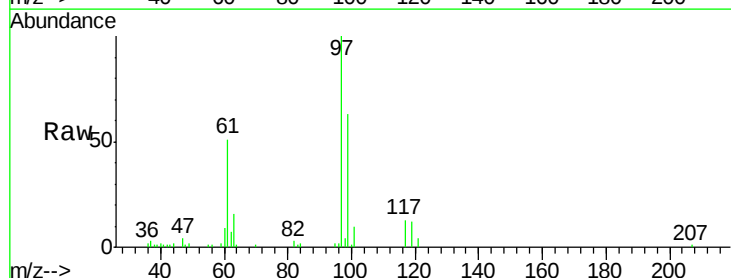
Tgt Ion: 97 Resp: 84658

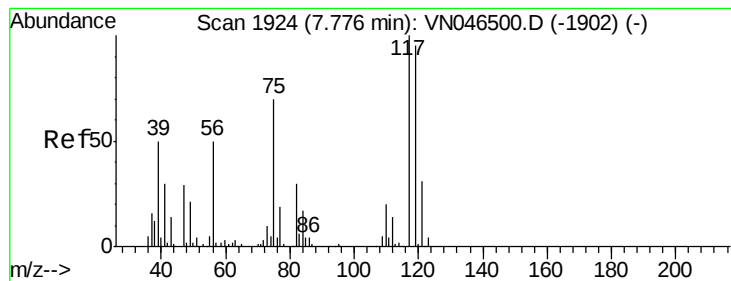
Ion Ratio Lower Upper

97 100

99 62.8 50.4 75.6

61 51.5 41.3 61.9





#33

Carbon Tetrachloride

Concen: 20.61 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

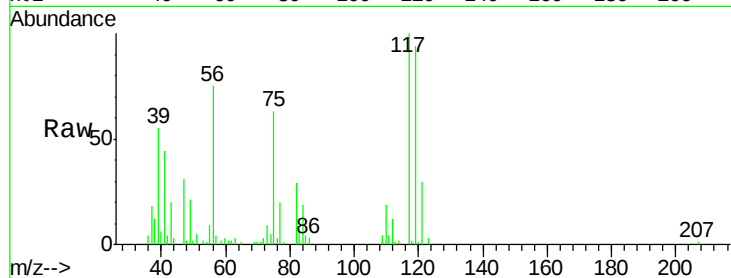
Tgt Ion:117 Resp: 67538

Ion Ratio Lower Upper

117 100

119 93.8 77.7 116.5

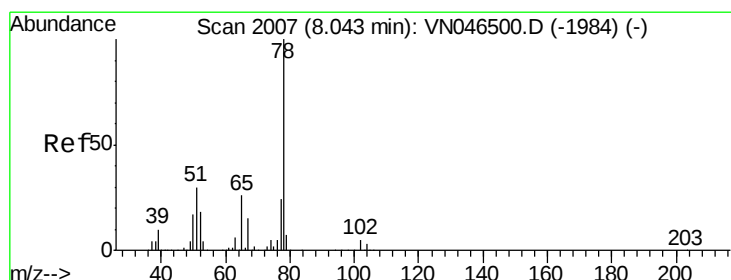
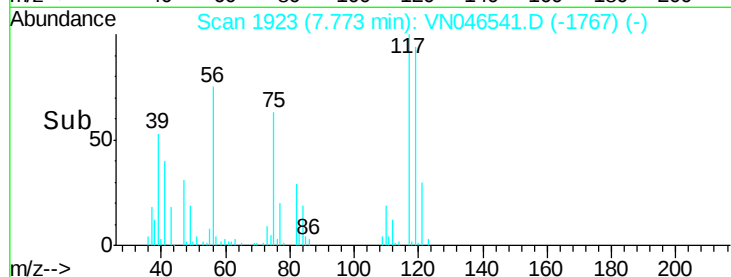
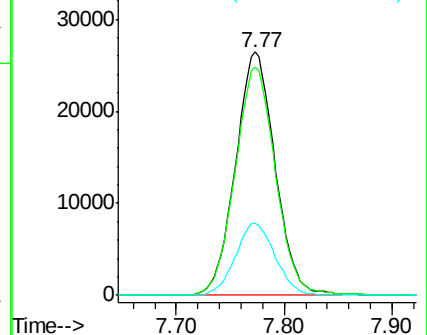
121 29.6 25.1 37.7



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: 20.91 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

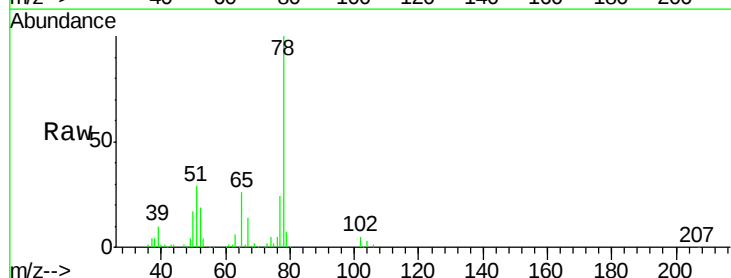
Tgt Ion: 78 Resp: 246520

Ion Ratio Lower Upper

78 100

77 23.8 18.8 28.2

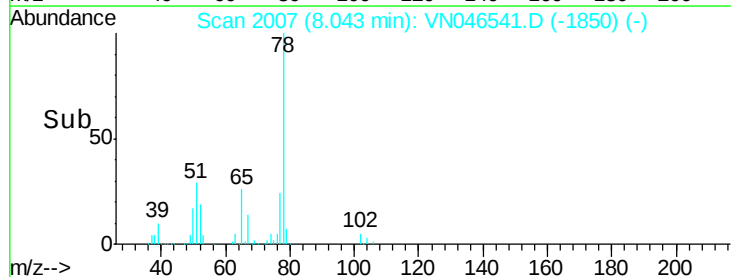
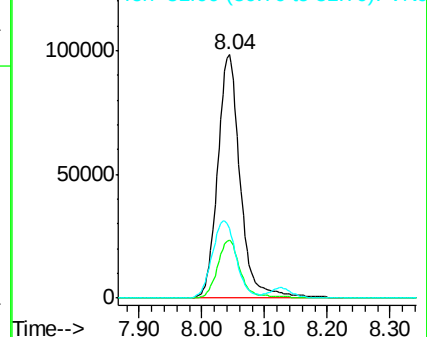
51 28.7 25.4 38.0

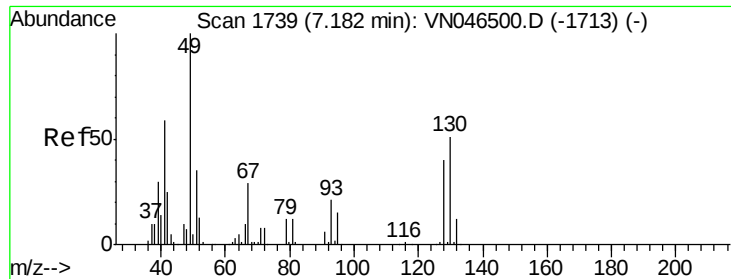


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

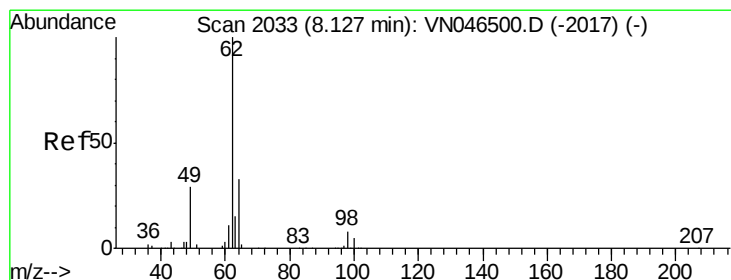
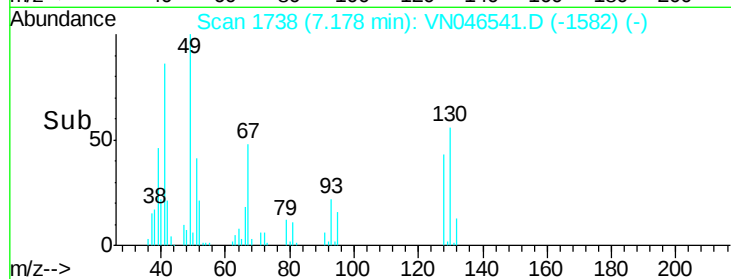
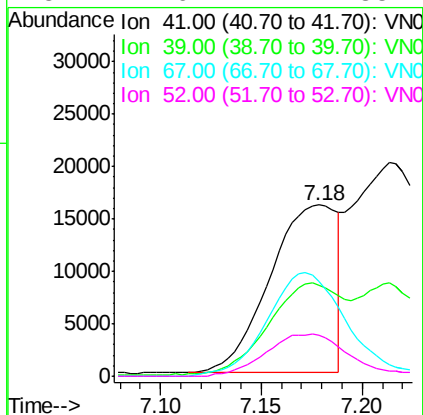
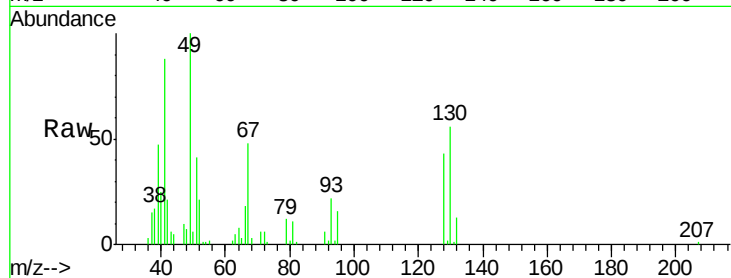




#35
Methacrylonitrile
Concen: 20.84 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

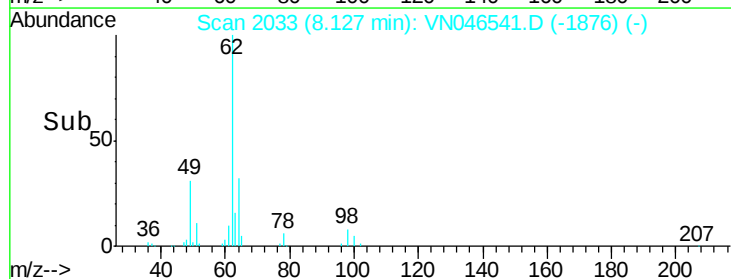
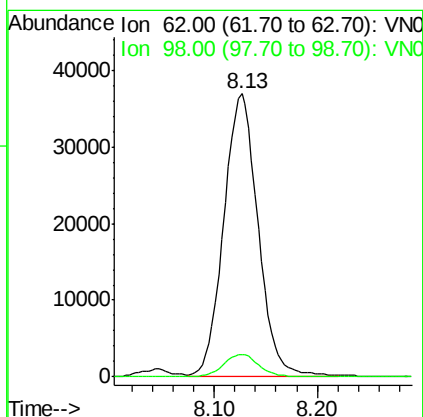
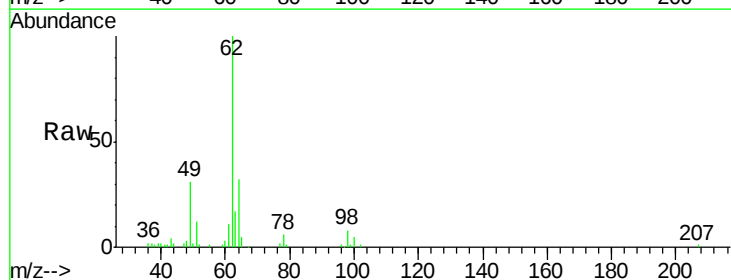
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

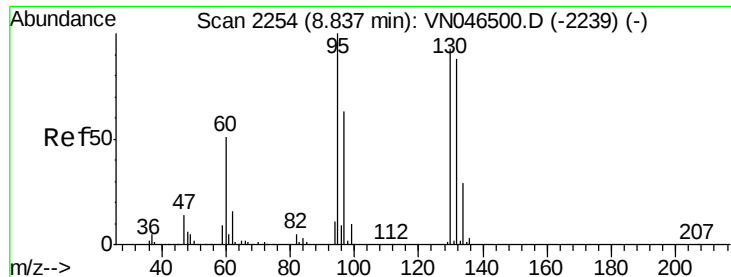
Tgt Ion:	41	Resp:	36868
Ion	Ratio	Lower	Upper
41	100		
39	53.2	26.6	79.8
67	56.2	28.0	83.9
52	24.6	12.7	38.1



#36
1,2-Dichloroethane
Concen: 20.62 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion:	62	Resp:	86123
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.7	10.1





#37

Trichloroethene

Concen: 21.06 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

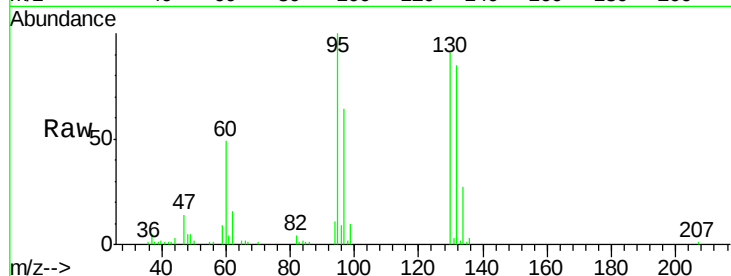
ICVVN012418

Tgt Ion:130 Resp: 55900

Ion Ratio Lower Upper

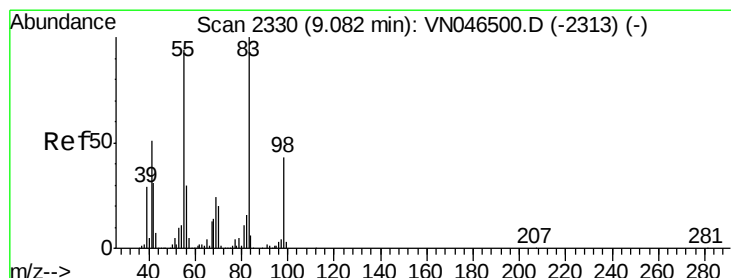
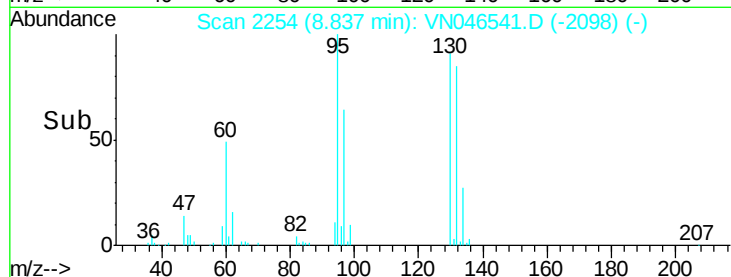
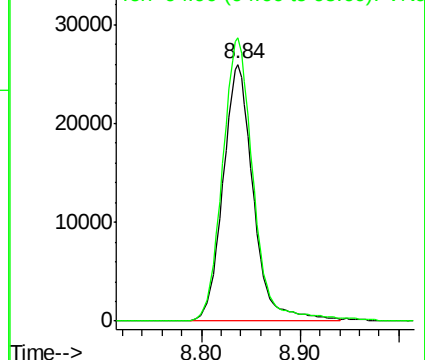
130 100

95 110.3 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 20.64 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

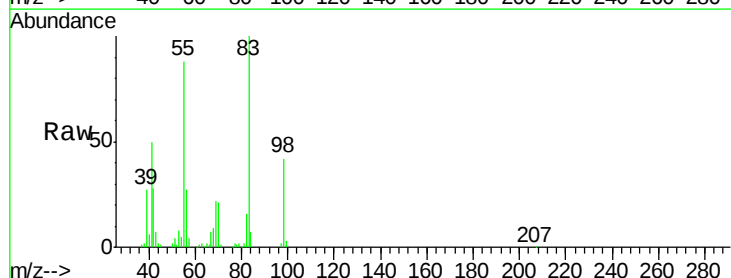
Tgt Ion: 83 Resp: 102101

Ion Ratio Lower Upper

83 100

55 86.8 43.9 131.6

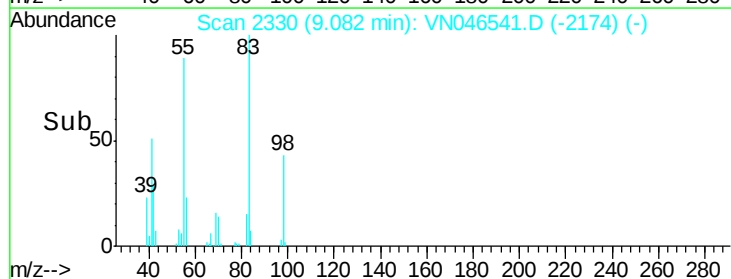
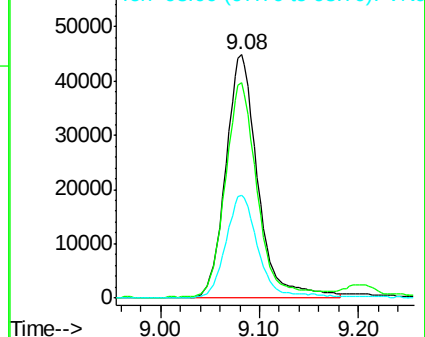
98 41.4 21.1 63.4

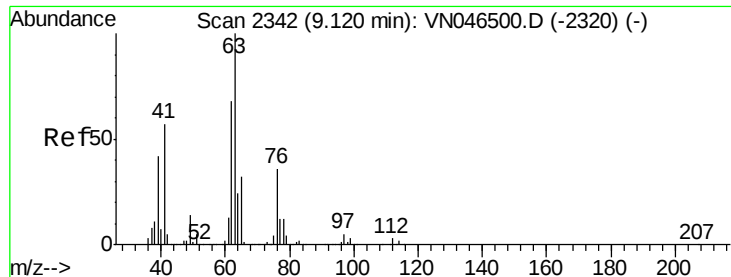


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 20.69 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

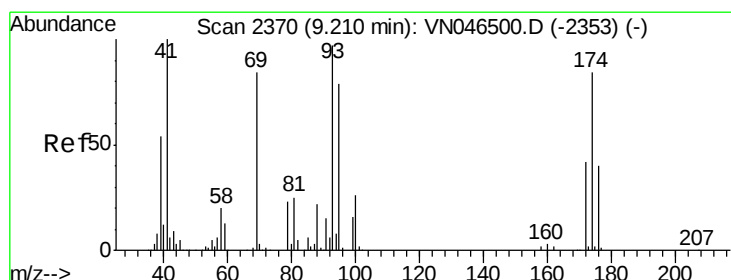
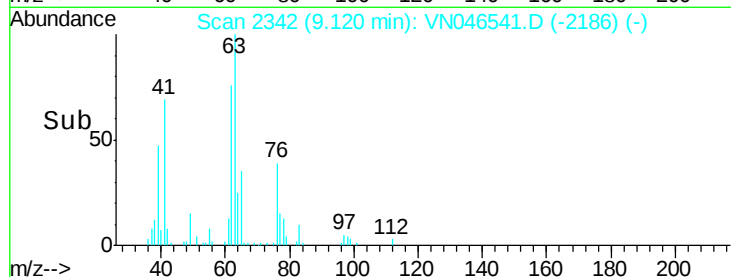
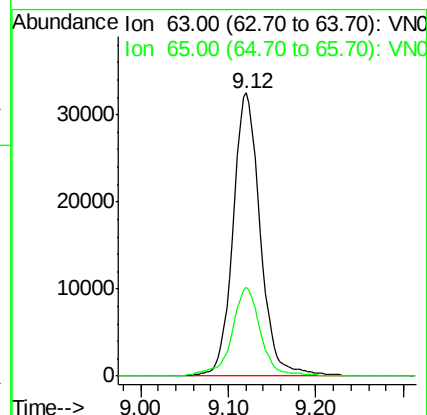
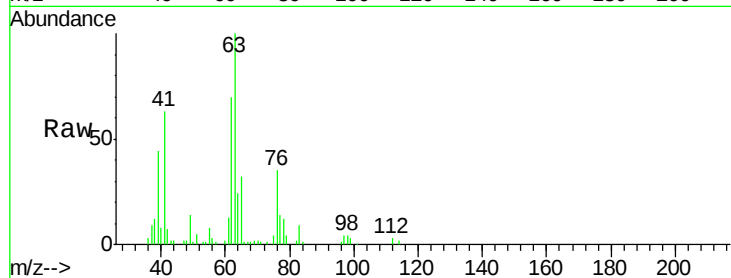
ICVVN012418

Tgt Ion: 63 Resp: 70480

Ion Ratio Lower Upper

63 100

65 31.5 24.6 37.0



#40

Dibromomethane

Concen: 21.08 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

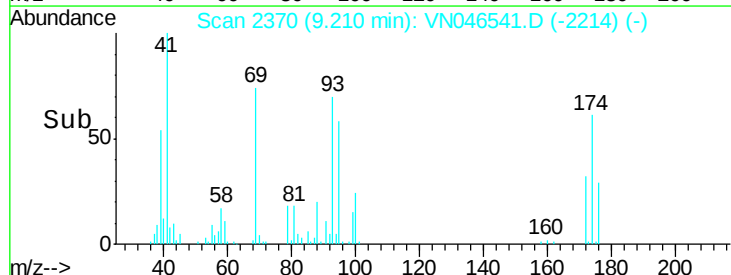
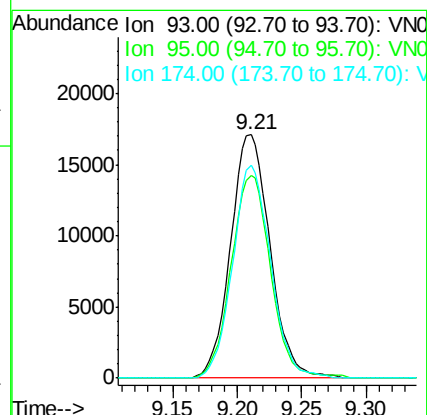
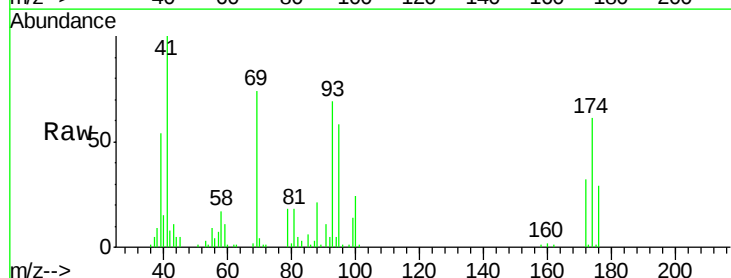
Tgt Ion: 93 Resp: 36353

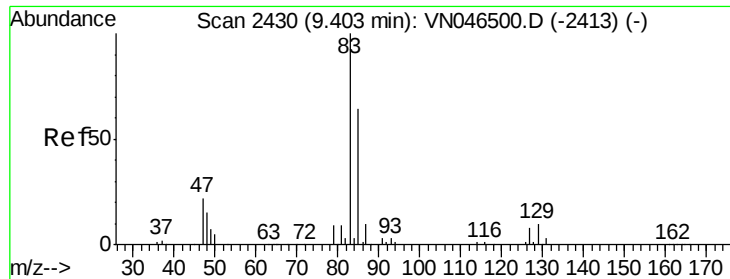
Ion Ratio Lower Upper

93 100

95 83.1 0.0 169.8

174 84.4 0.0 170.4





#41

Bromodichloromethane

Concen: 20.72 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

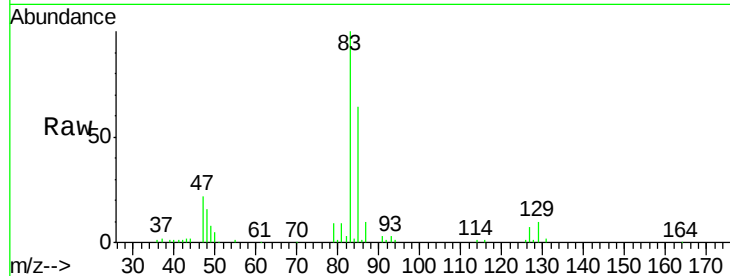
Tgt Ion: 83 Resp: 81614

Ion Ratio Lower Upper

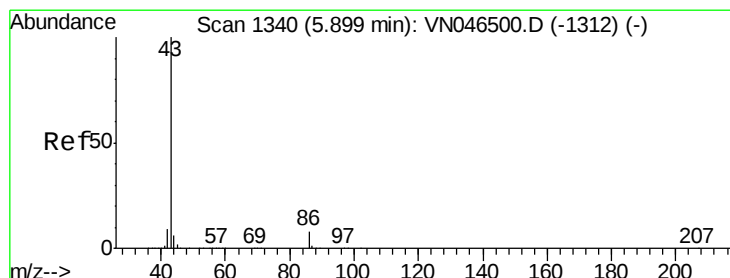
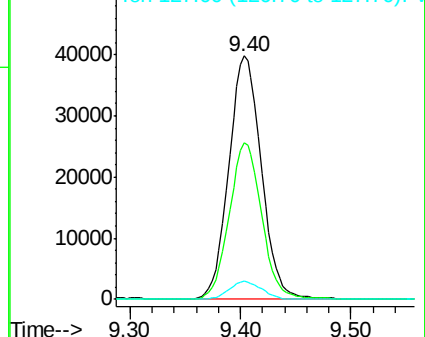
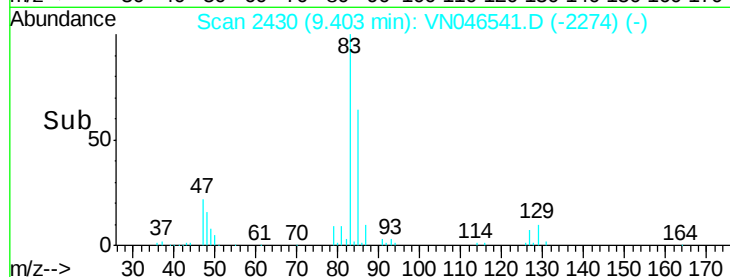
83 100

85 64.3 53.6 80.4

127 7.3 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VN046541.D (-2274) (-)



#42

Vinyl Acetate

Concen: 103.38 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN046541.D

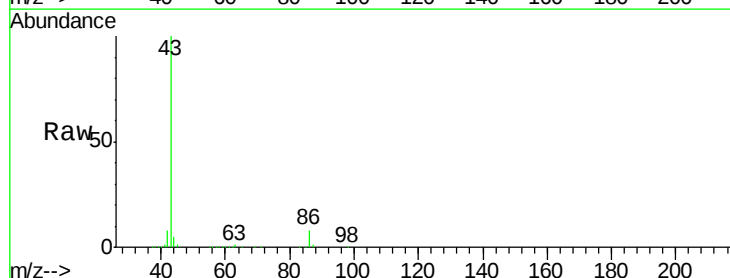
Acq: 24 Jan 2018 12:25

Tgt Ion: 43 Resp: 810281

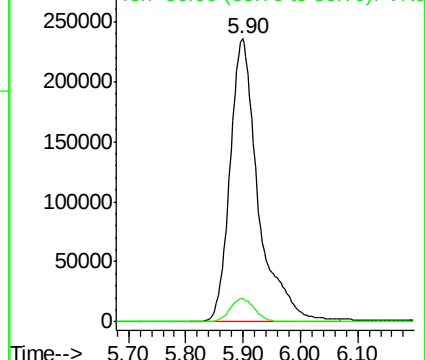
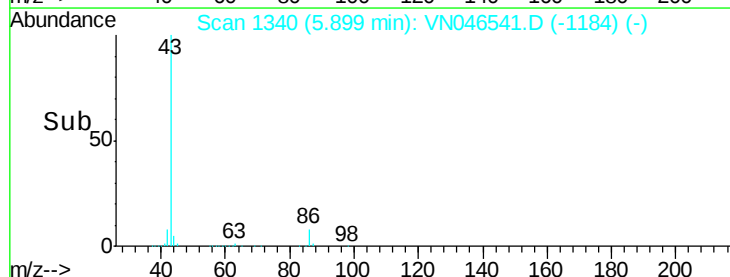
Ion Ratio Lower Upper

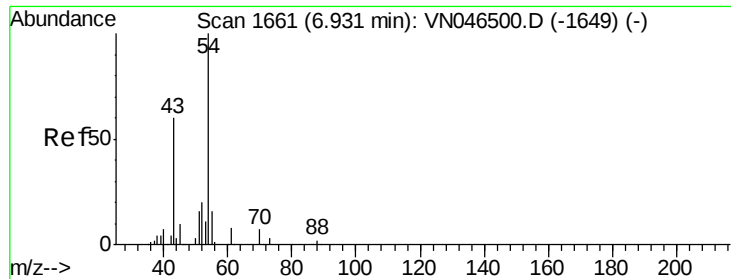
43 100

86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN046541.D (-1184) (-)

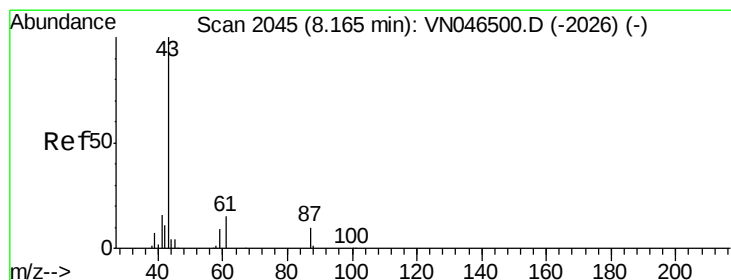
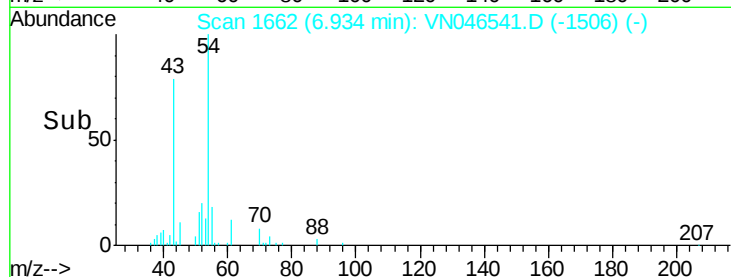
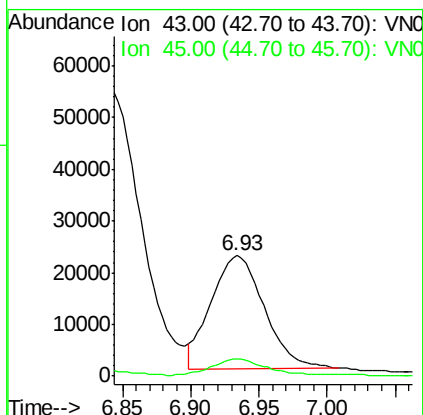
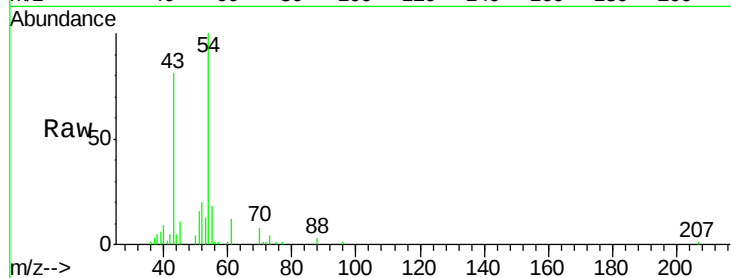




#43
Ethyl Acetate
Concen: 19.88 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

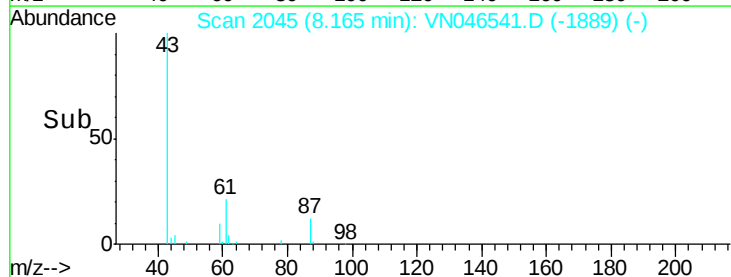
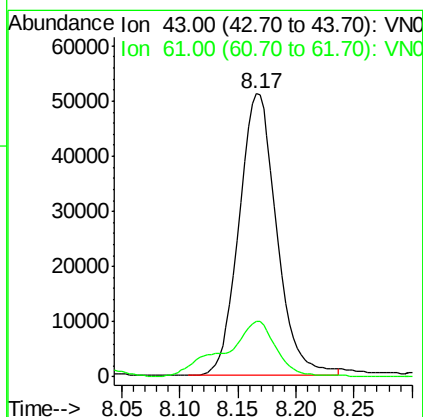
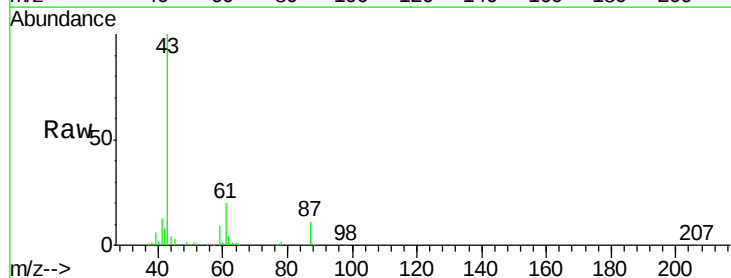
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

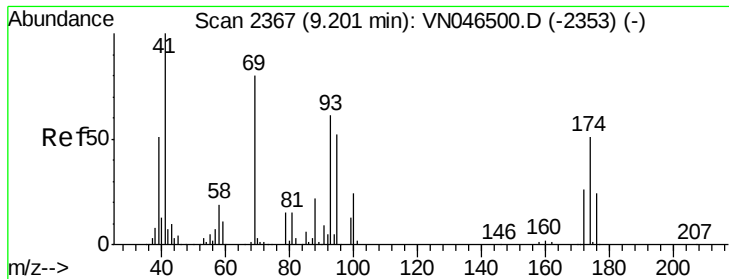
Tgt Ion: 43 Resp: 59633
Ion Ratio Lower Upper
43 100
45 14.6 10.4 15.6



#44
Isopropyl Acetate
Concen: 20.40 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 43 Resp: 115850
Ion Ratio Lower Upper
43 100
61 17.9 15.0 22.6

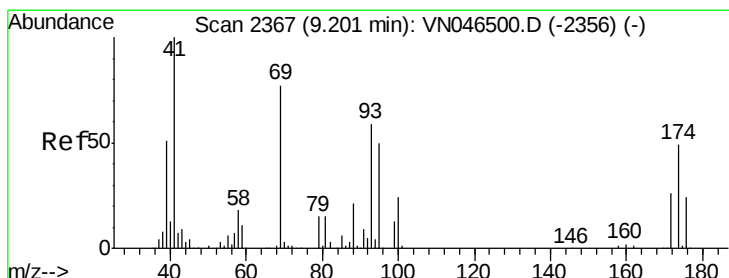
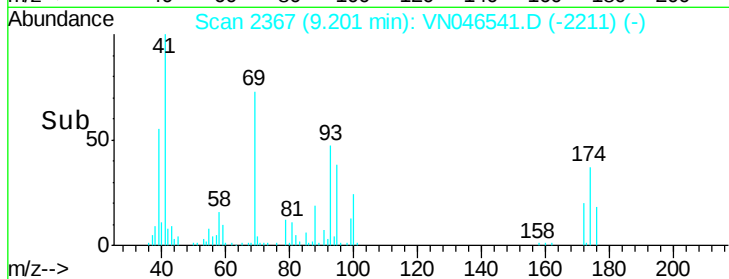
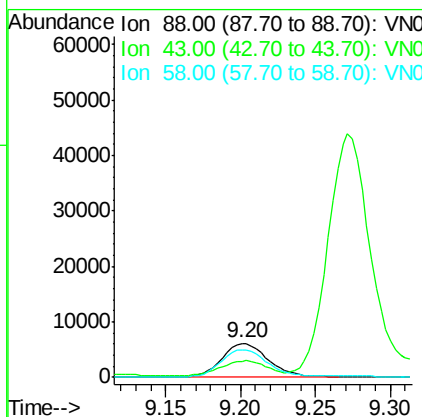
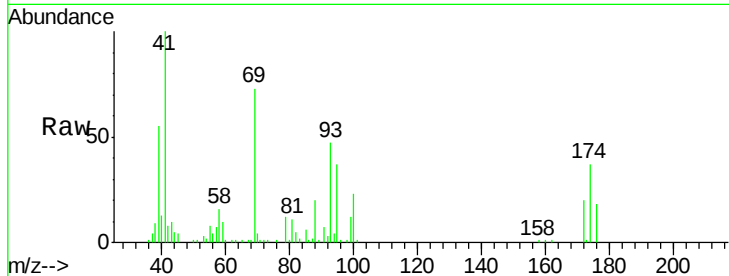




#45
 1,4-Dioxane
 Concen: 442.78 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

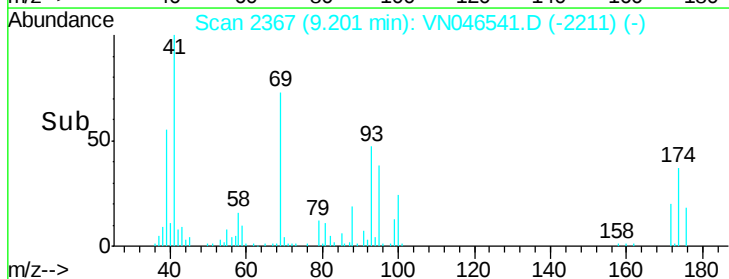
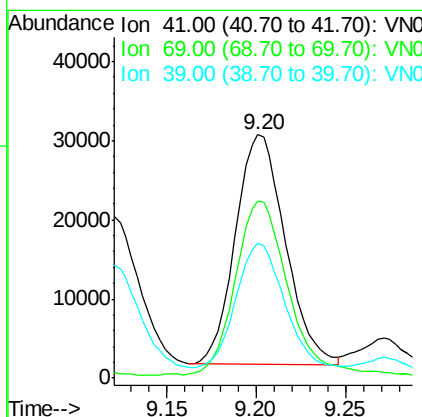
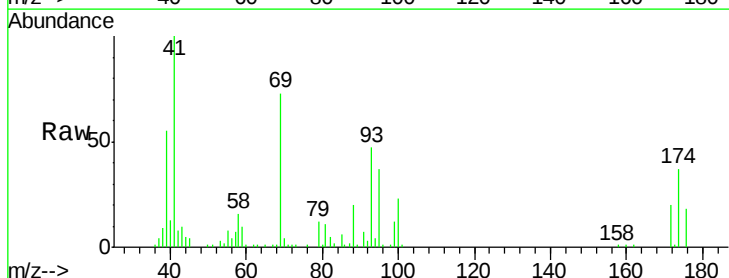
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

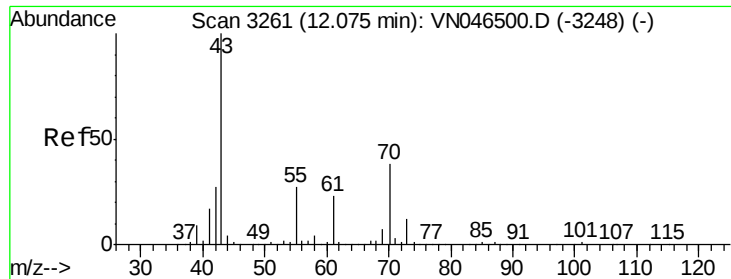
Tgt Ion: 88 Resp: 13347
 Ion Ratio Lower Upper
 88 100
 43 40.5 35.2 52.8
 58 81.9 71.2 106.8



#46
 Methyl methacrylate
 Concen: 20.24 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 41 Resp: 57034
 Ion Ratio Lower Upper
 41 100
 69 75.4 36.0 108.0
 39 54.0 27.6 82.8

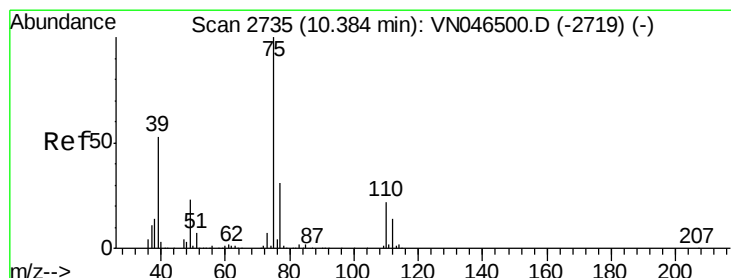
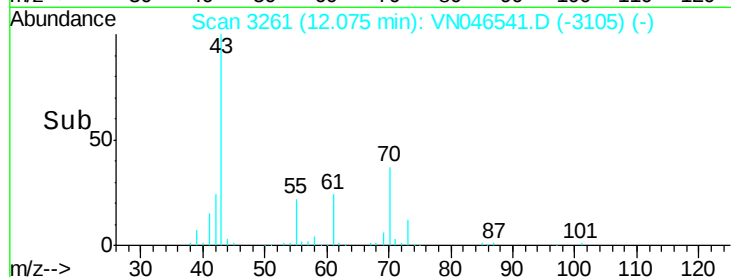
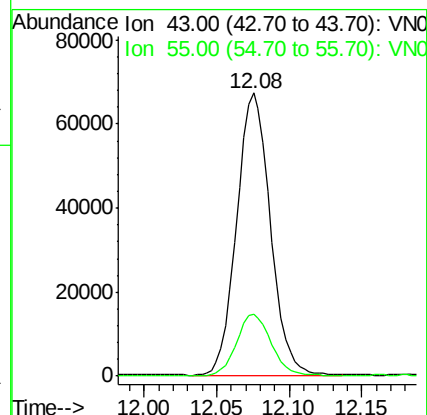
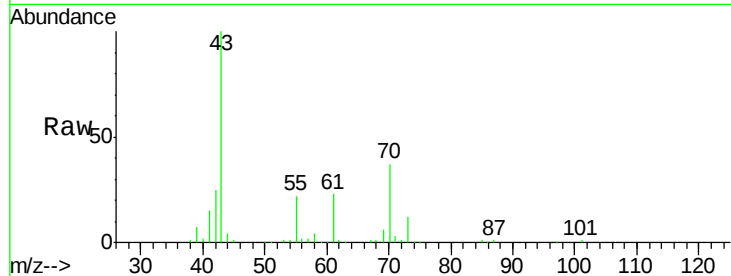




#47
n-amyl Acetate
Concen: 20.58 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

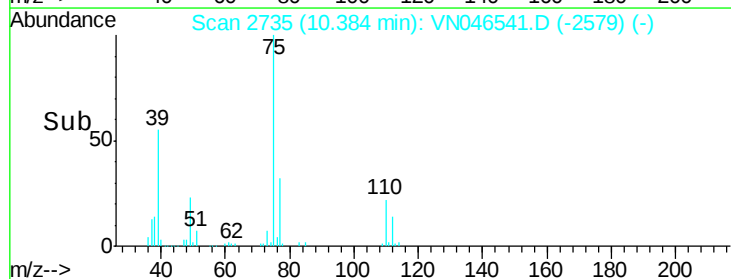
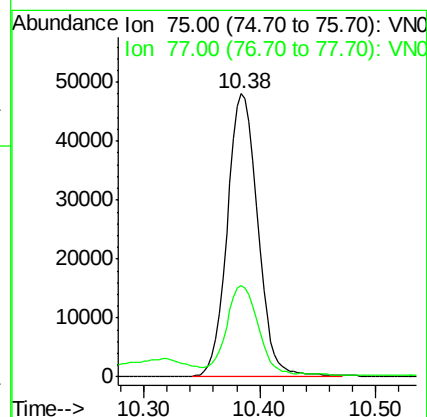
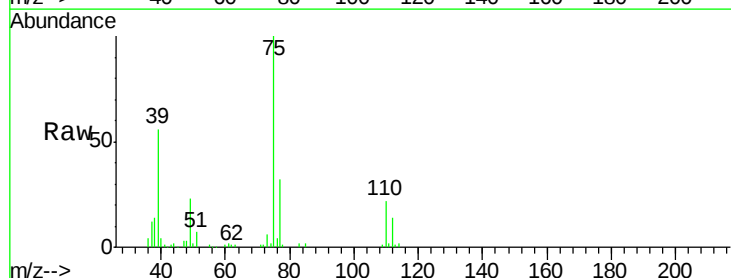
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

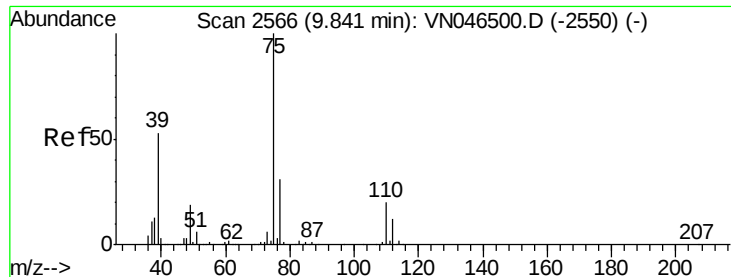
Tgt Ion: 43 Resp: 108036
Ion Ratio Lower Upper
43 100
55 21.8 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 20.13 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 75 Resp: 88249
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4

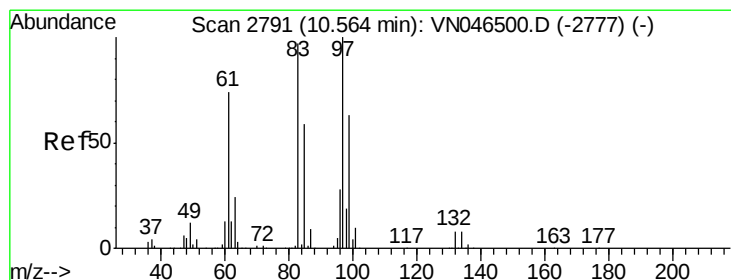
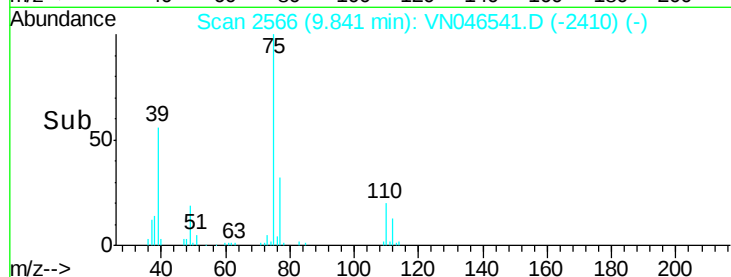
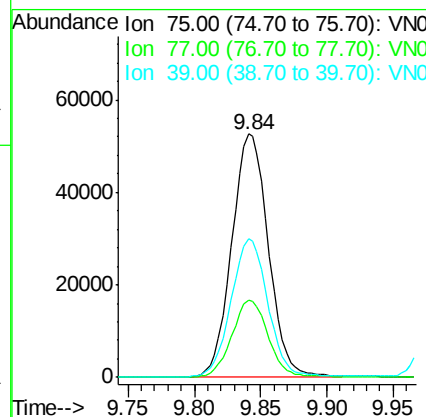
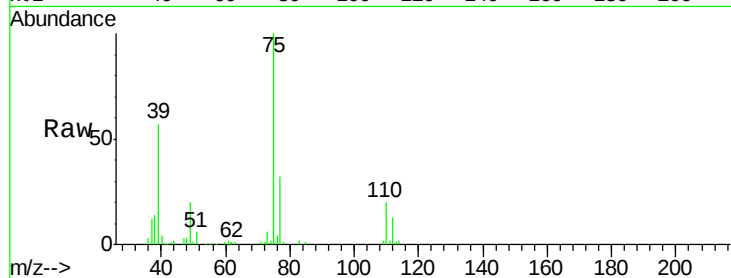




#49
 cis-1,3-Dichloropropene
 Concen: 20.17 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

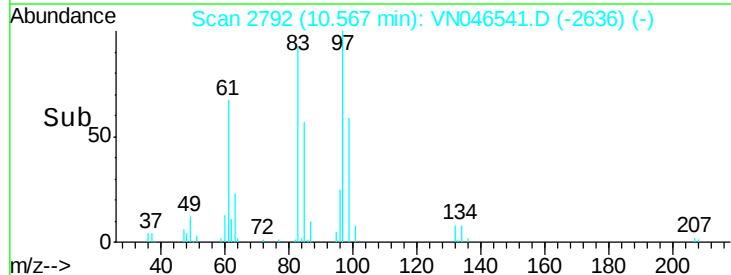
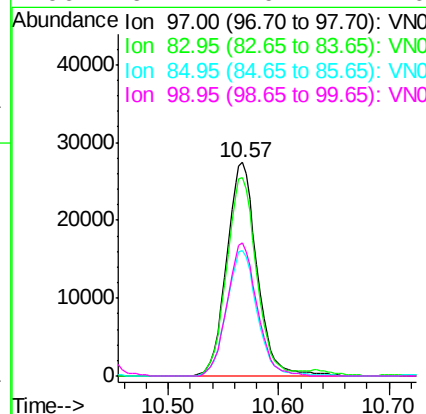
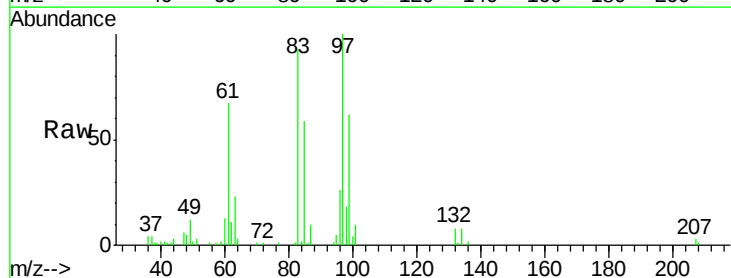
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

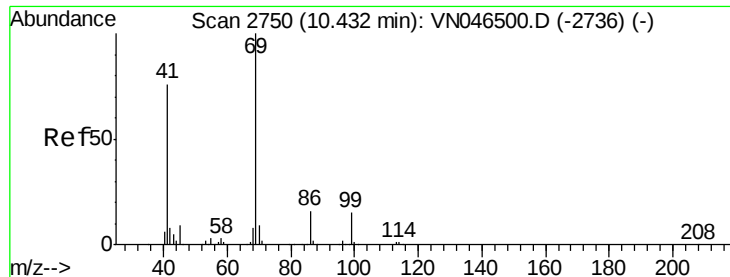
Tgt Ion: 75 Resp: 101215
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.4
 39 56.3 45.1 67.7



#50
 1,1,2-Trichloroethane
 Concen: 21.26 ug/l
 RT: 10.57 min Scan# 2792
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 97 Resp: 52400
 Ion Ratio Lower Upper
 97 100
 83 92.8 74.8 112.2
 85 58.8 47.5 71.3
 99 62.1 49.4 74.0





#51

Ethyl methacrylate

Concen: 21.09 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

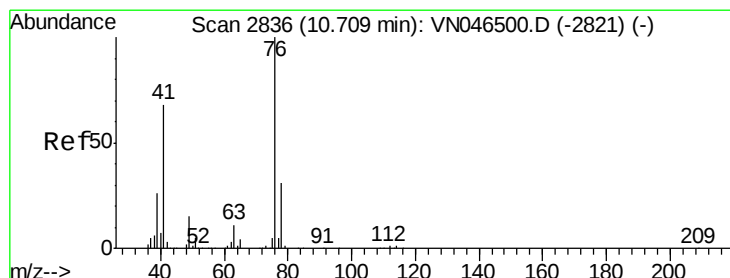
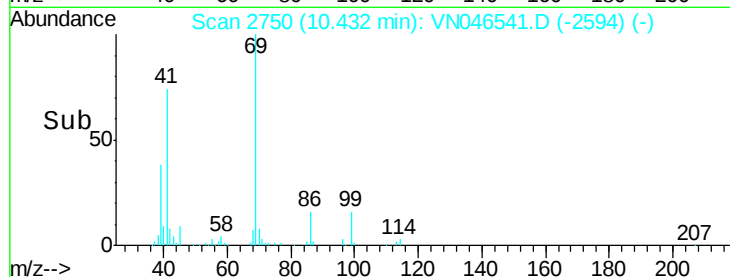
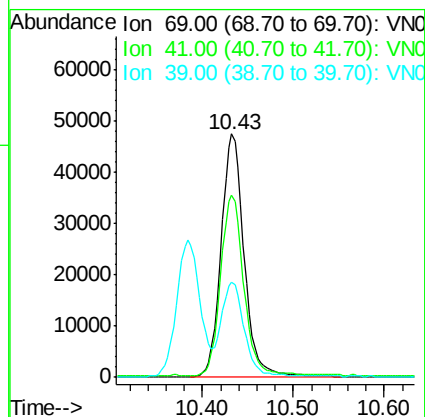
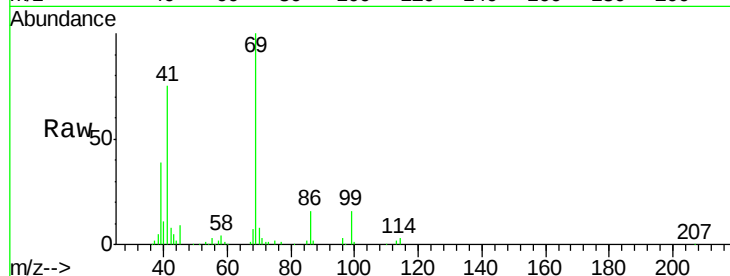
Tgt Ion: 69 Resp: 83711

Ion Ratio Lower Upper

69 100

41 74.1 37.8 113.4

39 38.6 19.3 57.8



#52

1,3-Dichloropropane

Concen: 20.30 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046541.D

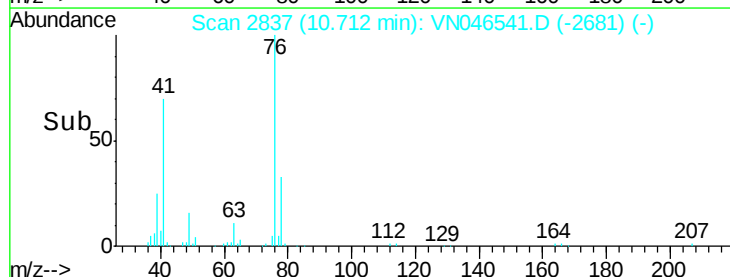
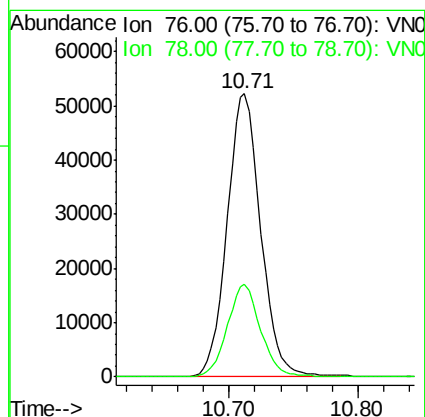
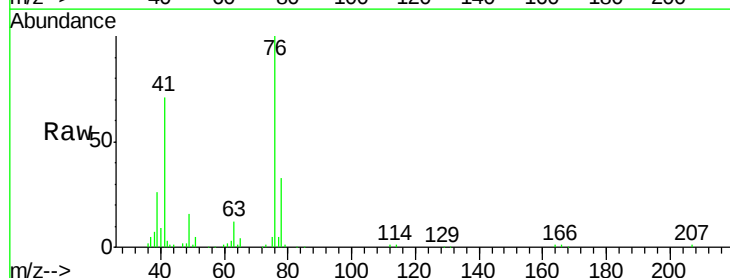
Acq: 24 Jan 2018 12:25

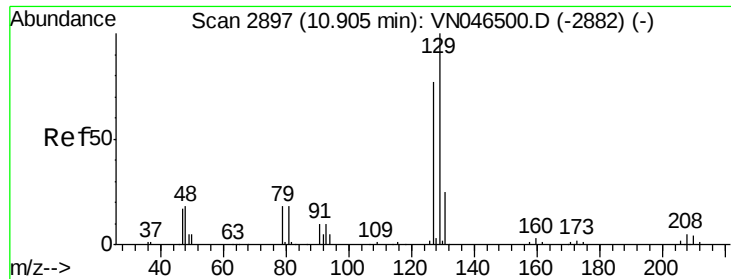
Tgt Ion: 76 Resp: 94204

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.6





#53

Dibromochloromethane

Concen: 20.57 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

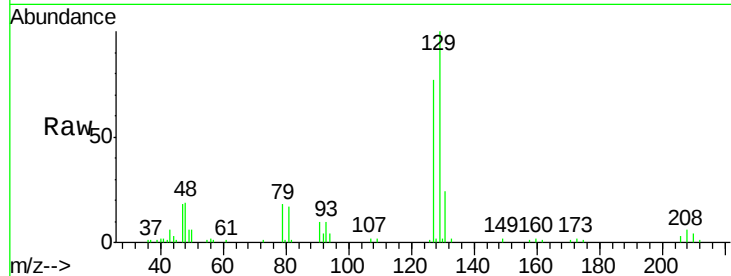
ICVFN012418

Tgt Ion:129 Resp: 51914

Ion Ratio Lower Upper

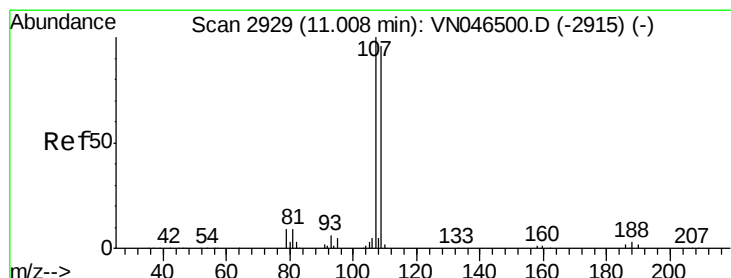
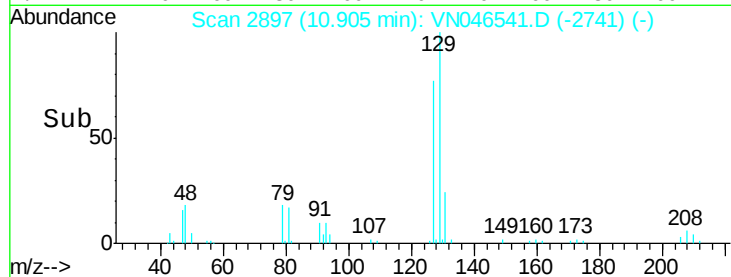
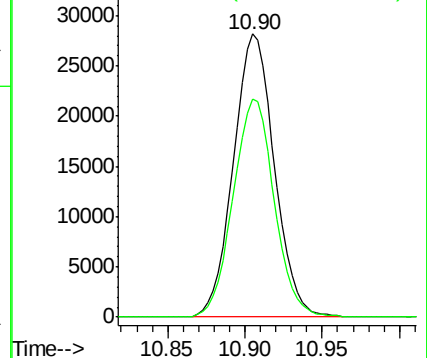
129 100

127 77.2 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.49 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN046541.D

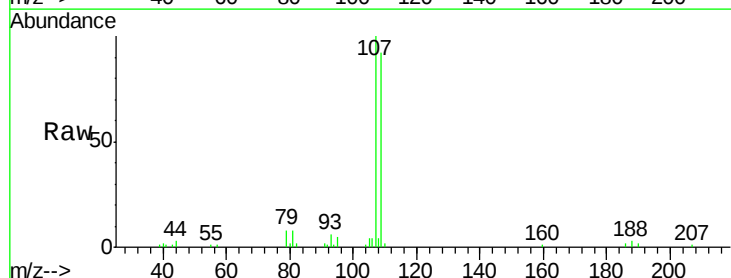
Acq: 24 Jan 2018 12:25

Tgt Ion:107 Resp: 45452

Ion Ratio Lower Upper

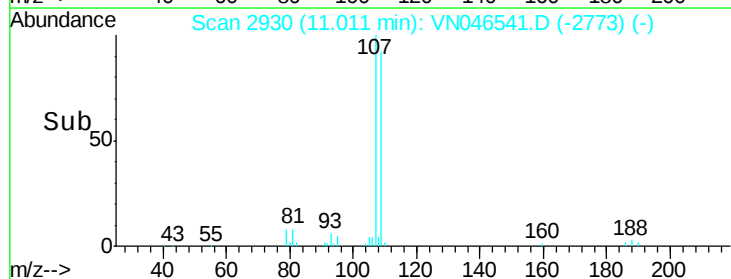
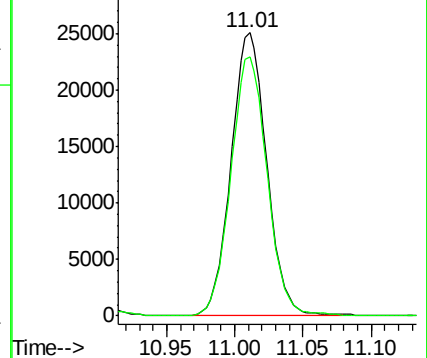
107 100

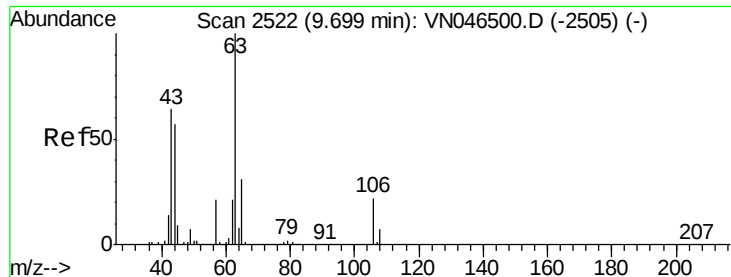
109 93.4 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

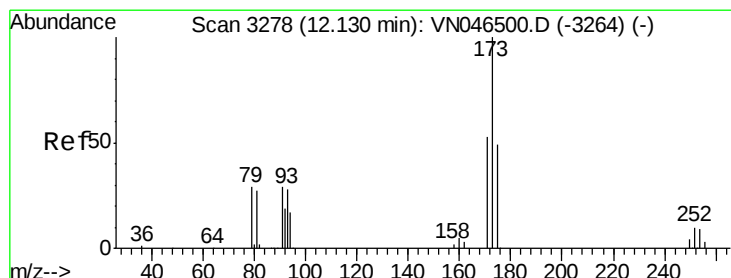
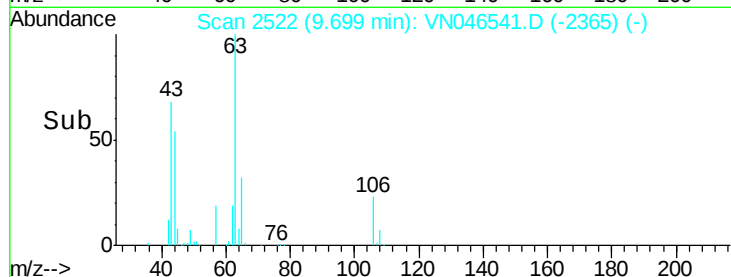
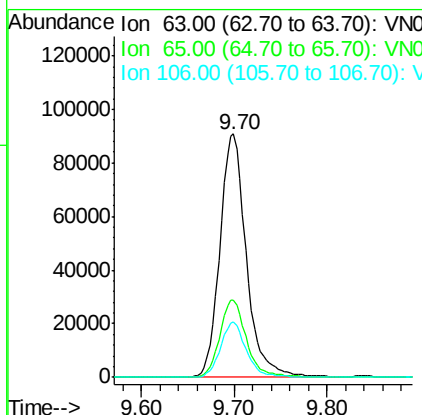
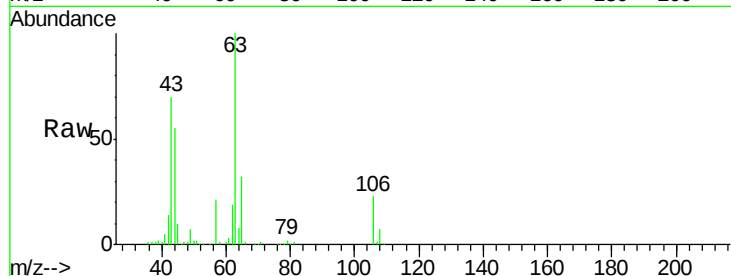




#55
 2-Chloroethyl vinyl ether
 Concen: 106.80 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

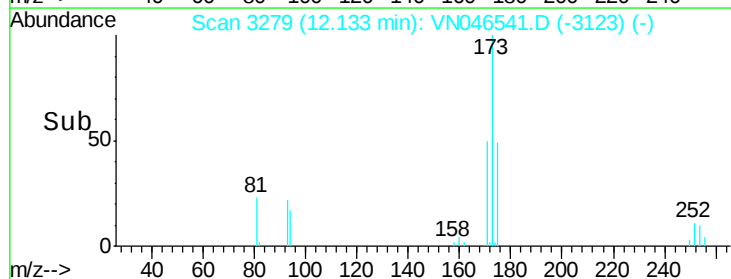
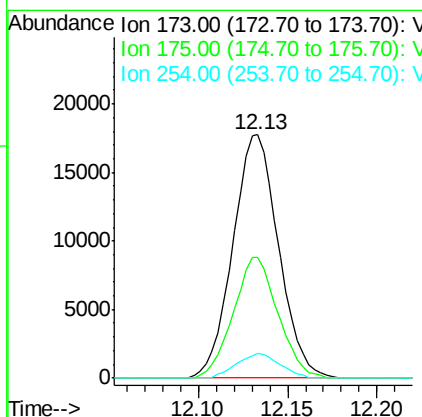
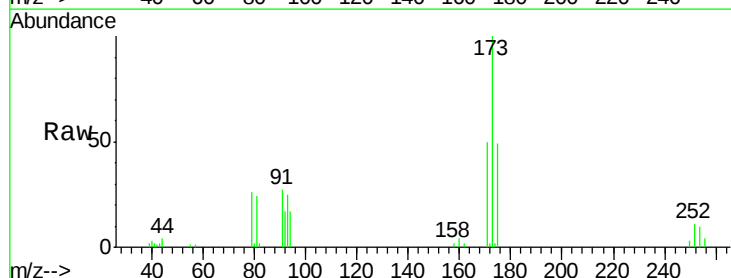
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

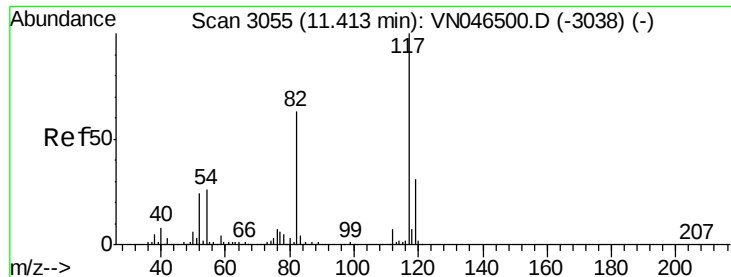
Tgt Ion: 63 Resp: 180098
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.7 38.5
 106 22.1 17.7 26.5



#56
 Bromoform
 Concen: 20.40 ug/l
 RT: 12.13 min Scan# 3279
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion: 173 Resp: 31785
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.5 57.7
 254 9.5 7.3 10.9

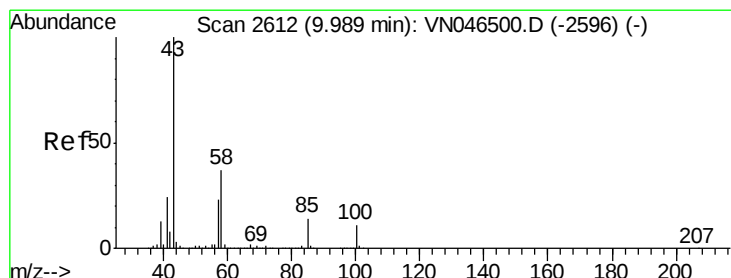
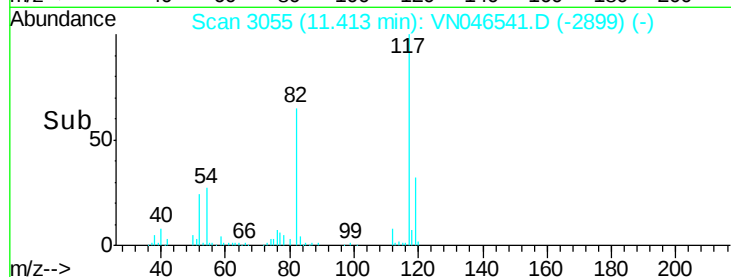
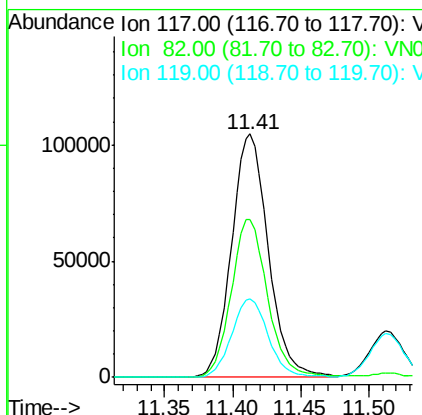
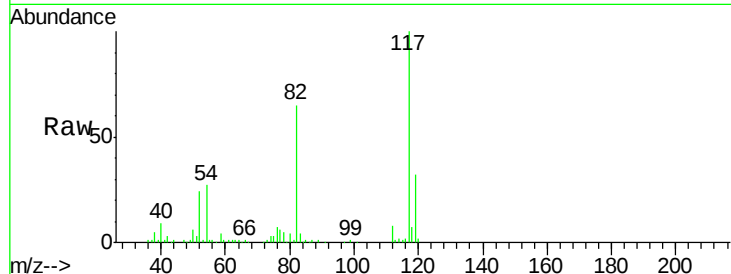




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

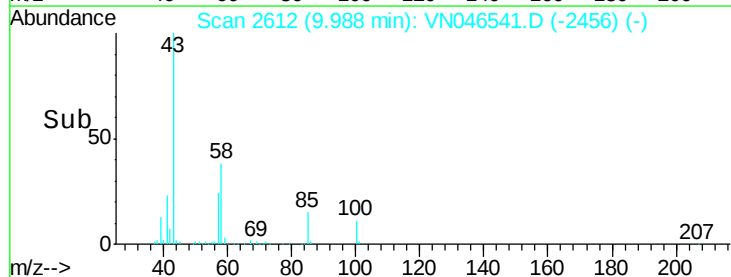
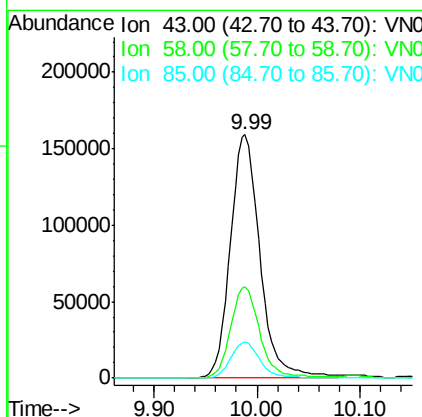
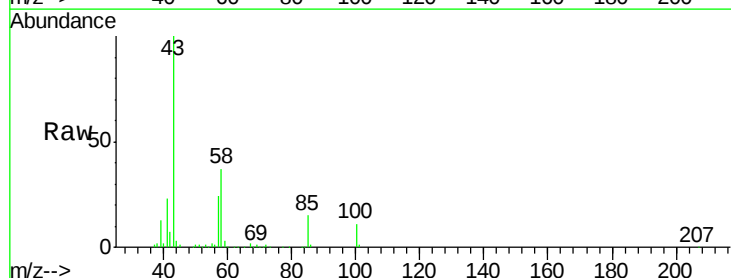
Instrument :
MSVOA_N
ClientSampled :
ICVFN012418

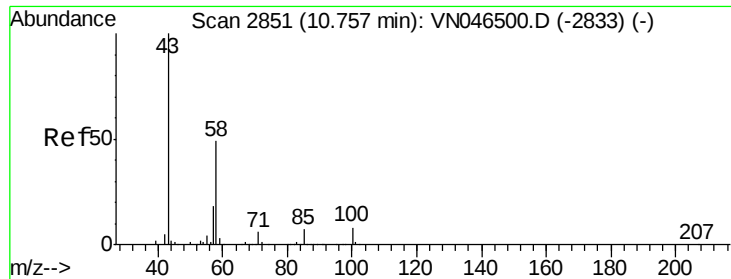
Tgt Ion: 117 Resp: 195909
Ion Ratio Lower Upper
117 100
82 64.3 51.5 77.3
119 32.3 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 105.38 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 43 Resp: 317460
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.2
85 14.9 11.5 17.3

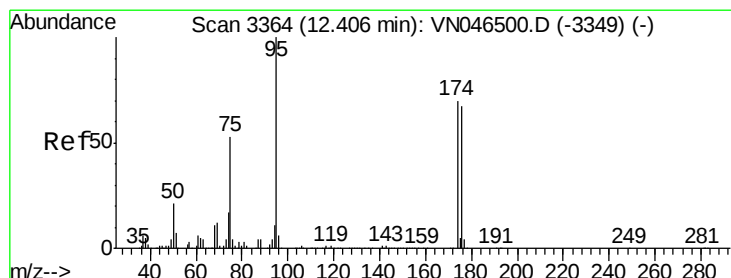
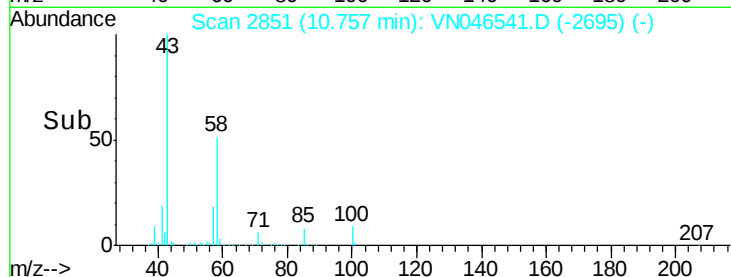
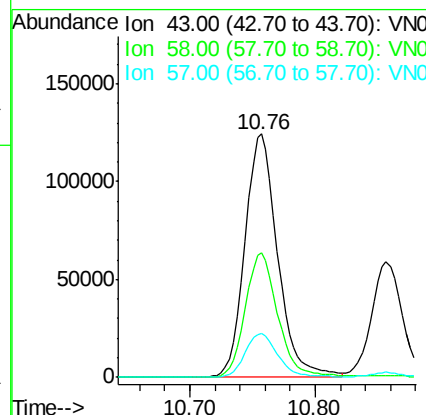
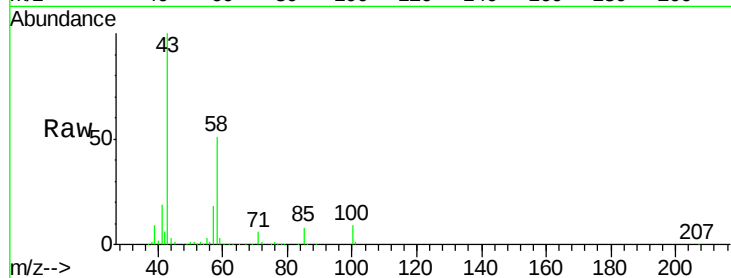




#59
2-Hexanone
Concen: 105.27 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

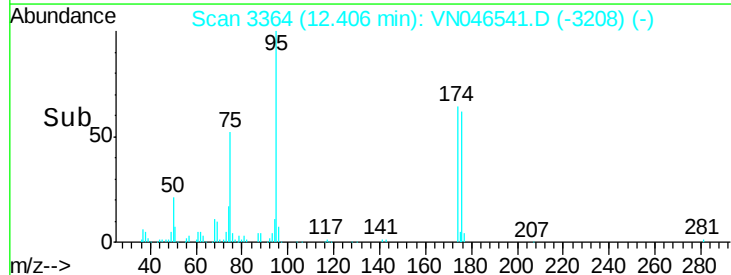
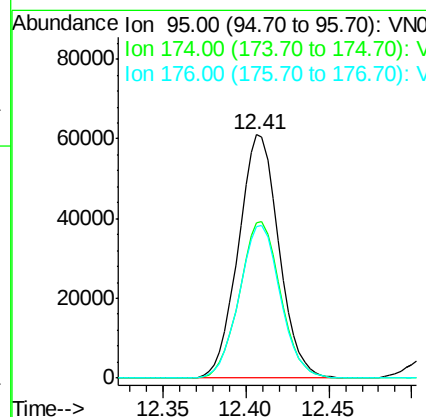
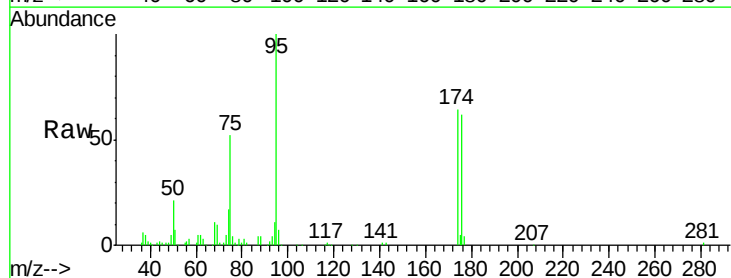
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

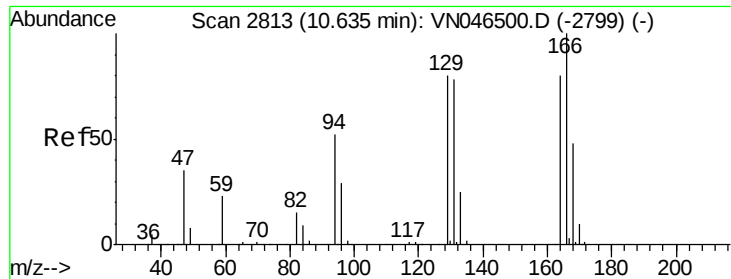
Tgt Ion: 43 Resp: 224557
Ion Ratio Lower Upper
43 100
58 51.4 41.4 62.0
57 18.6 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.62 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 95 Resp: 103885
Ion Ratio Lower Upper
95 100
174 65.1 52.5 78.7
176 63.8 50.6 75.8





#61

Tetrachloroethene

Concen: 20.83 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

Tgt Ion:164 Resp: 45852

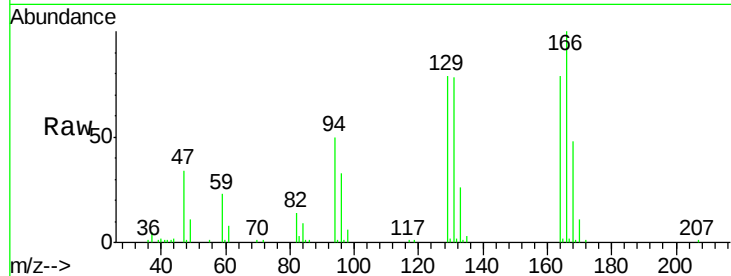
Ion Ratio Lower Upper

164 100

166 126.6 101.6 152.4

129 98.8 83.8 125.6

131 98.8 79.8 119.8

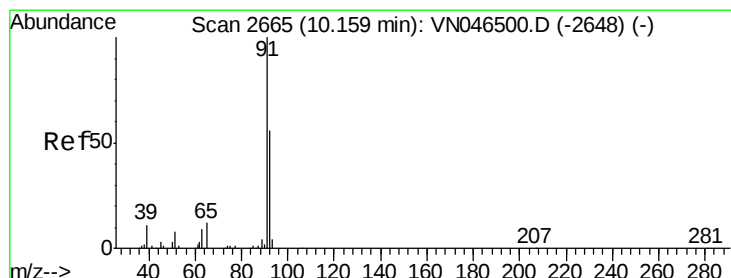
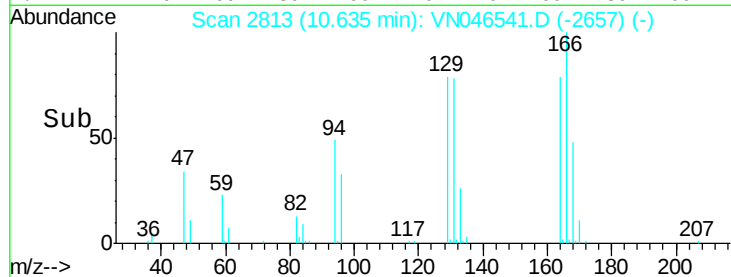
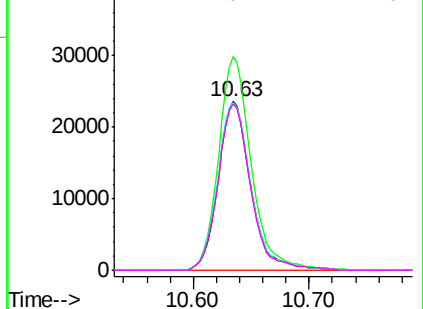


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.79 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046541.D

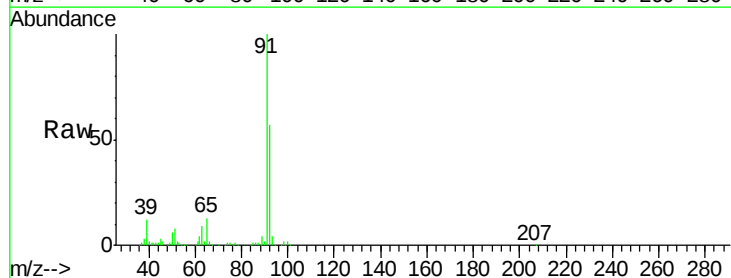
Acq: 24 Jan 2018 12:25

Tgt Ion: 91 Resp: 249065

Ion Ratio Lower Upper

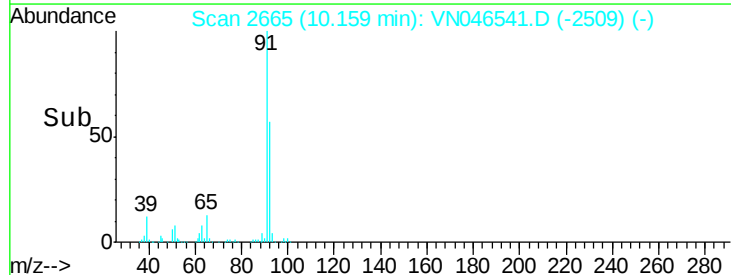
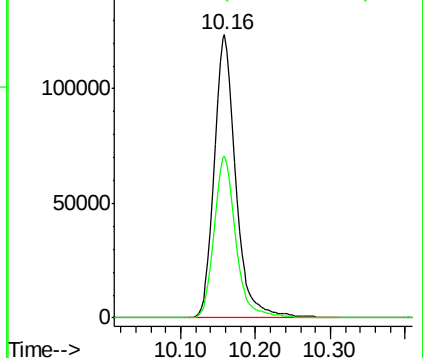
91 100

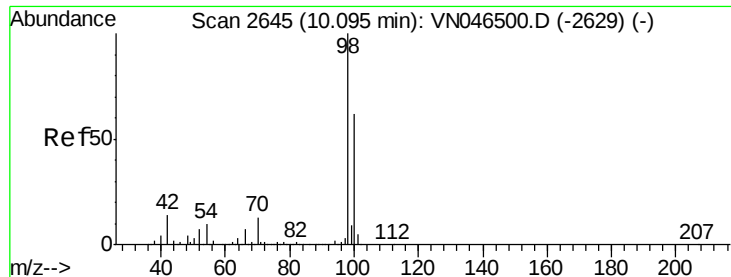
92 57.3 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.08 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

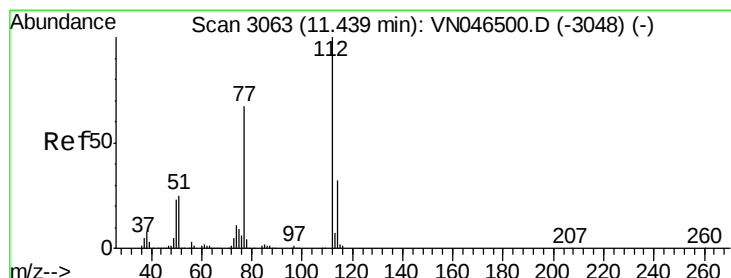
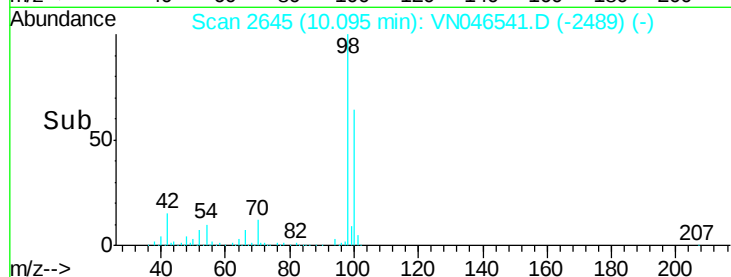
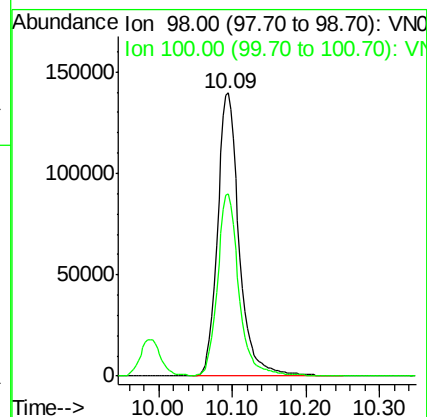
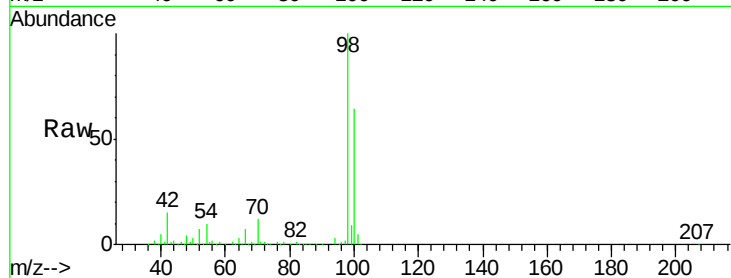
ICVVN012418

Tgt Ion: 98 Resp: 284504

Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2



#64

Chlorobenzene

Concen: 20.96 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046541.D

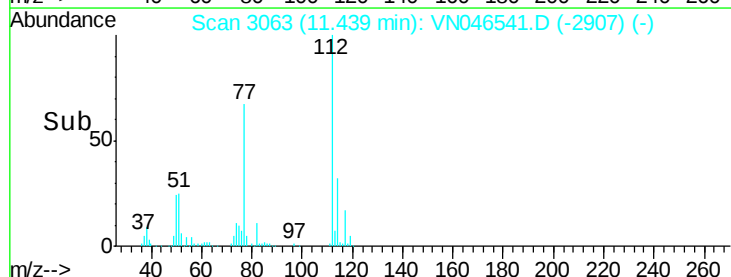
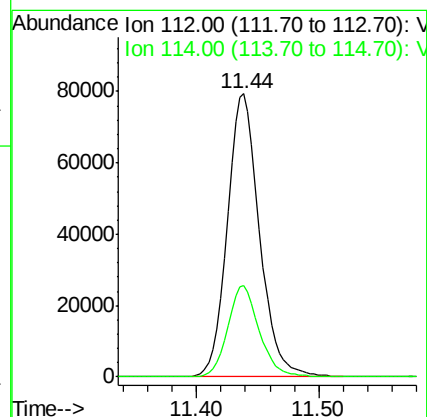
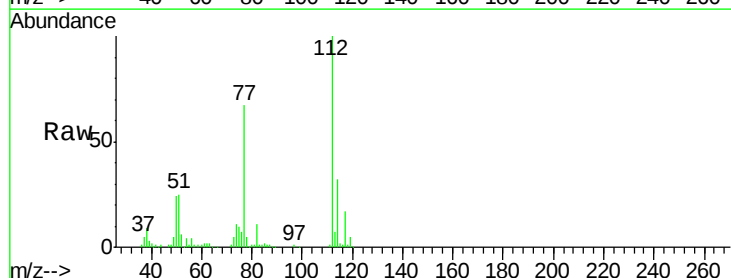
Acq: 24 Jan 2018 12:25

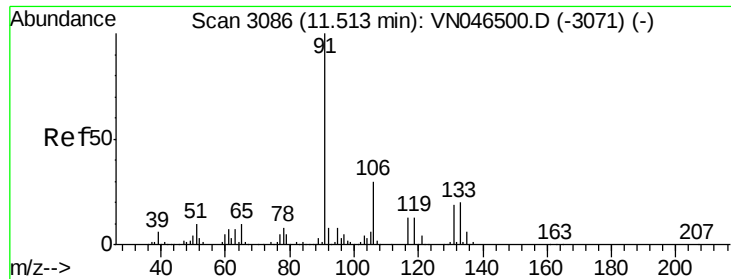
Tgt Ion: 112 Resp: 146550

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.22 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVO12418

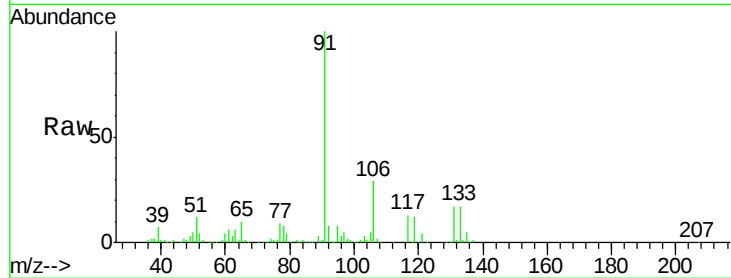
Tgt Ion:131 Resp: 47570

Ion Ratio Lower Upper

131 100

133 95.4 0.0 191.6

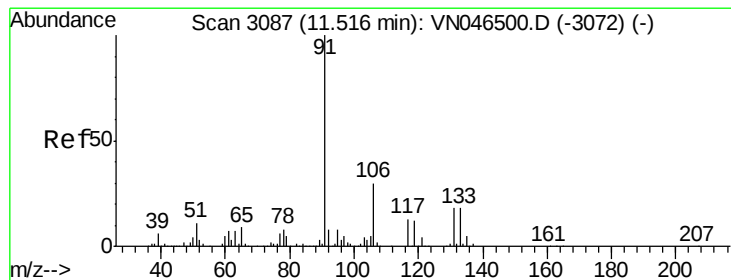
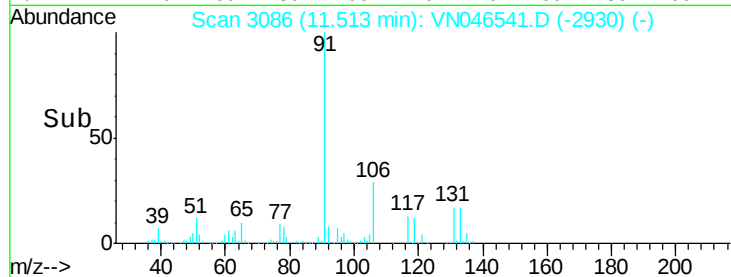
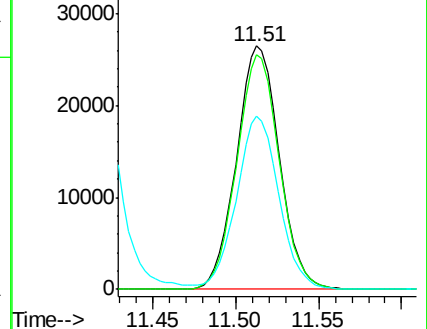
119 70.6 0.0 141.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.81 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046541.D

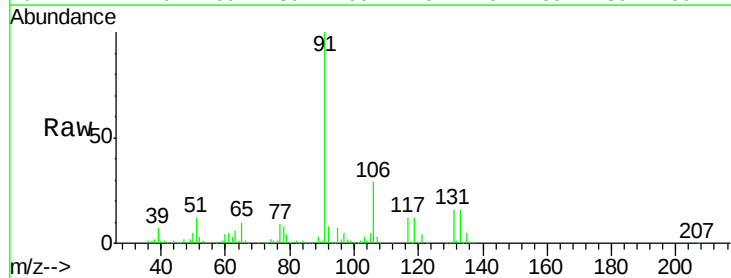
Acq: 24 Jan 2018 12:25

Tgt Ion: 91 Resp: 273631

Ion Ratio Lower Upper

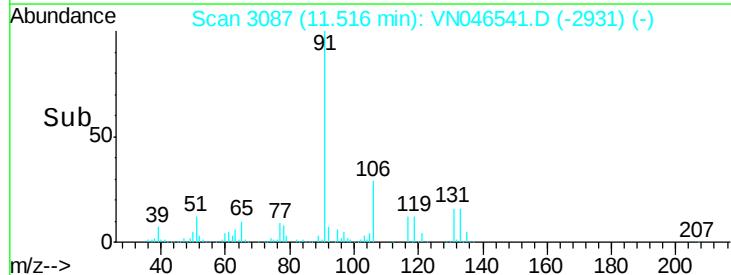
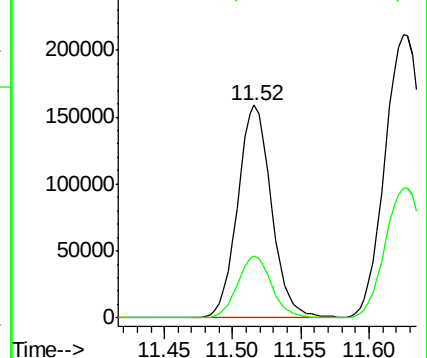
91 100

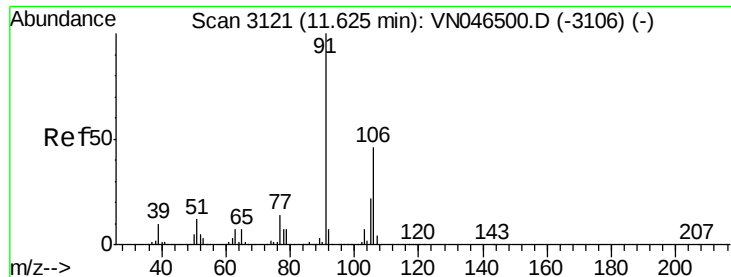
106 29.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 41.37 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

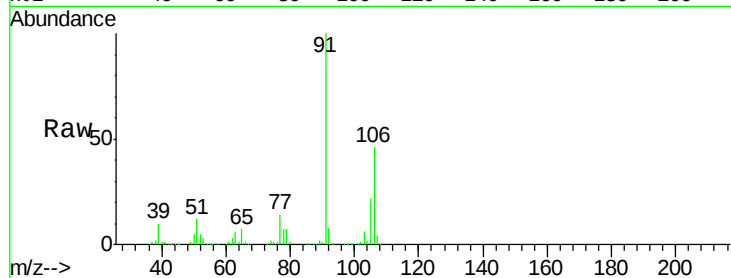
ICVVO12418

Tgt Ion:106 Resp: 195565

Ion Ratio Lower Upper

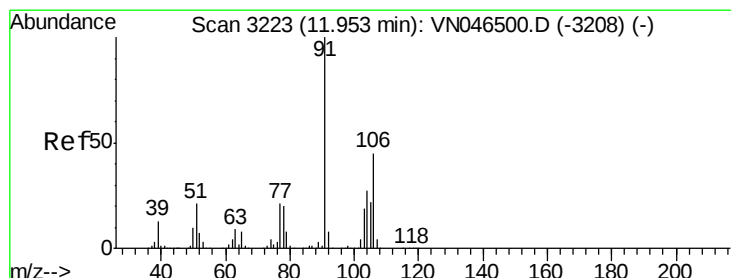
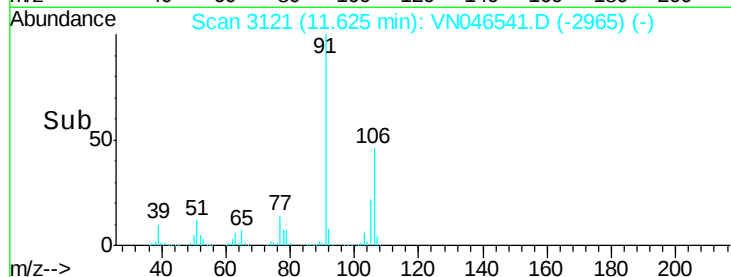
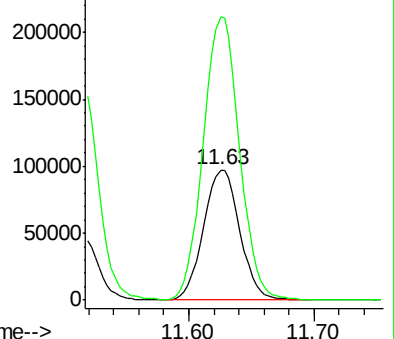
106 100

91 217.4 173.8 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VNO



#68

o-Xylene

Concen: 20.70 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN046541.D

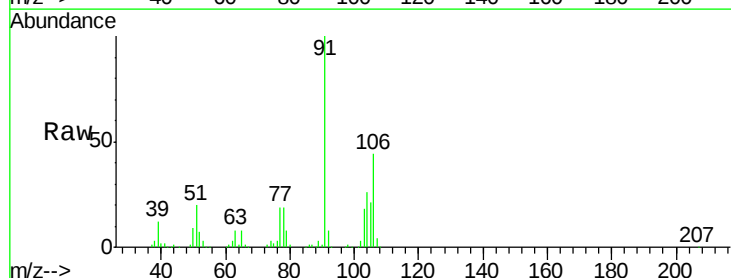
Acq: 24 Jan 2018 12:25

Tgt Ion:106 Resp: 94892

Ion Ratio Lower Upper

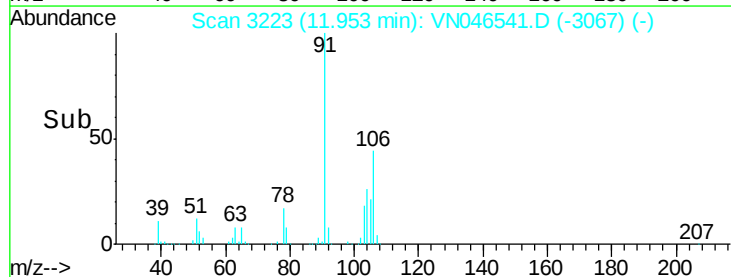
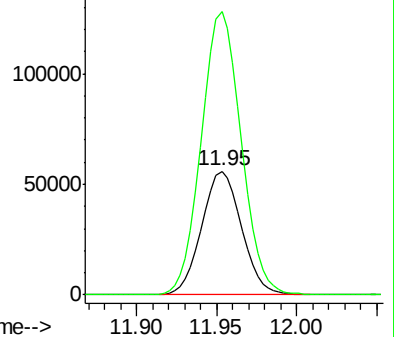
106 100

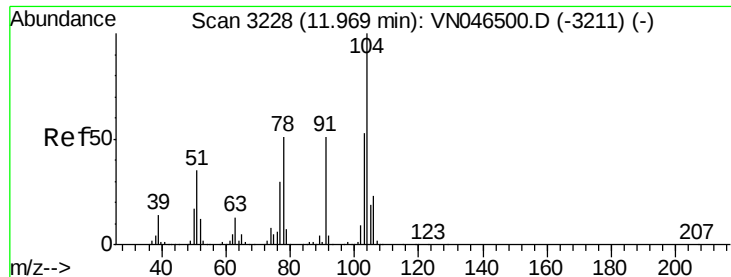
91 228.9 115.7 346.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VNO





#69

Styrene

Concen: 21.04 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

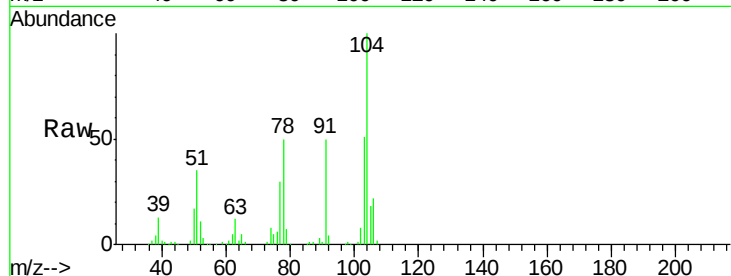
Tgt Ion:104 Resp: 159409

Ion Ratio Lower Upper

104 100

78 55.4 45.5 68.3

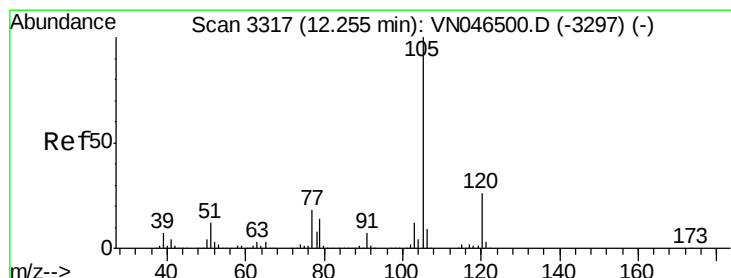
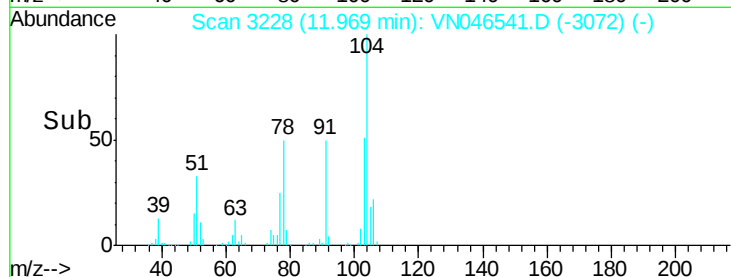
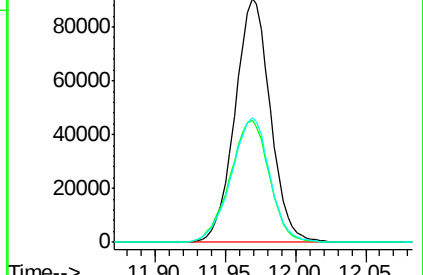
103 55.5 45.0 67.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 21.16 ug/l

RT: 12.26 min Scan# 3317

Delta R.T. 0.00 min

Lab File: VN046541.D

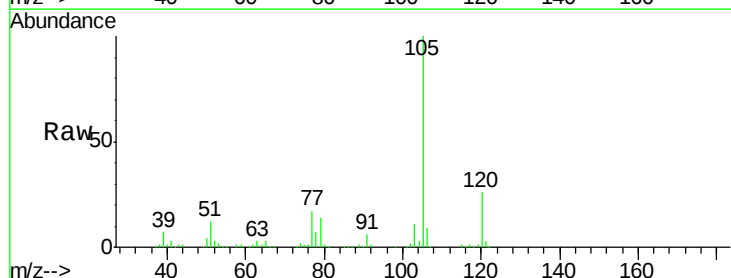
Acq: 24 Jan 2018 12:25

Tgt Ion:105 Resp: 257998

Ion Ratio Lower Upper

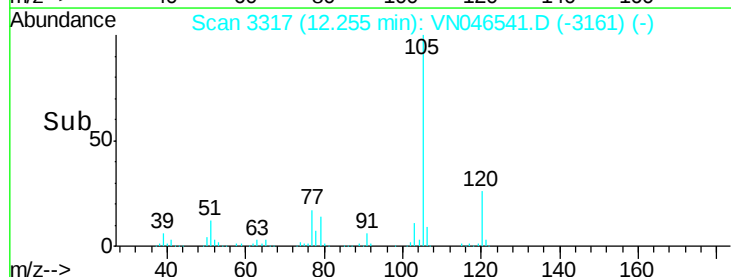
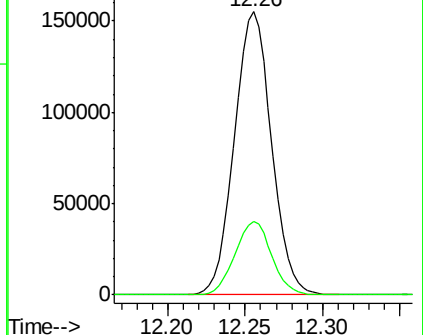
105 100

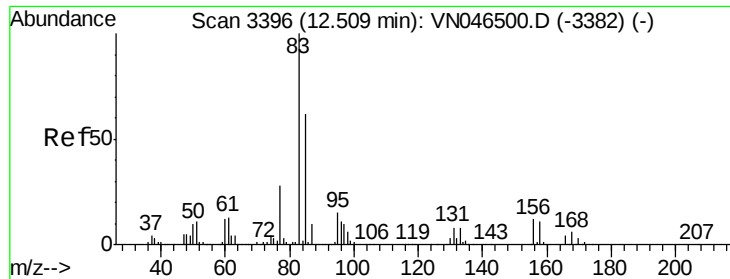
120 25.6 17.8 33.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 21.70 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

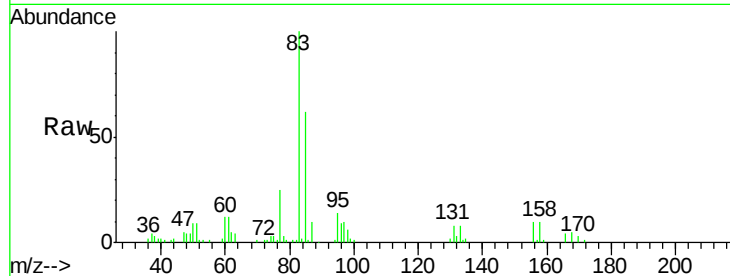
Tgt Ion: 83 Resp: 68362

Ion Ratio Lower Upper

83 100

131 8.6 4.5 13.5

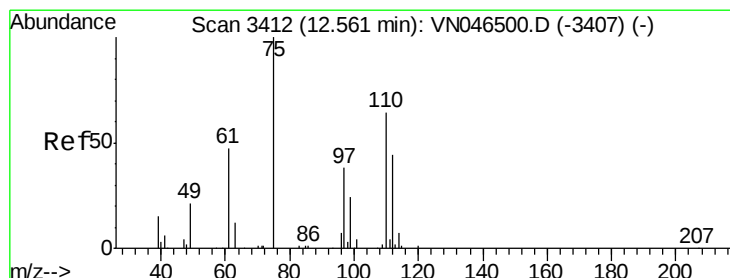
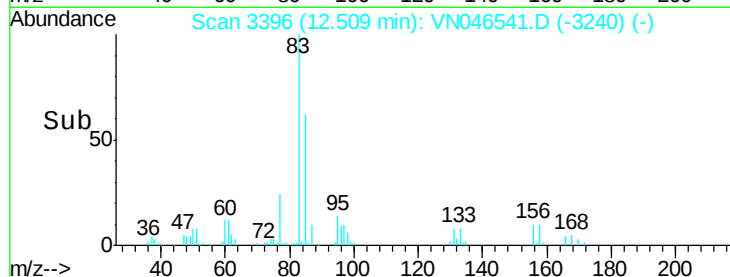
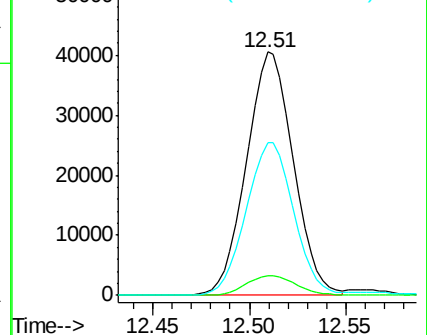
85 63.5 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 34.08 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046541.D

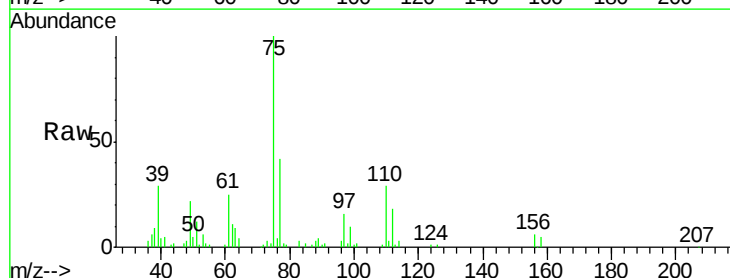
Acq: 24 Jan 2018 12:25

Tgt Ion: 75 Resp: 88389

Ion Ratio Lower Upper

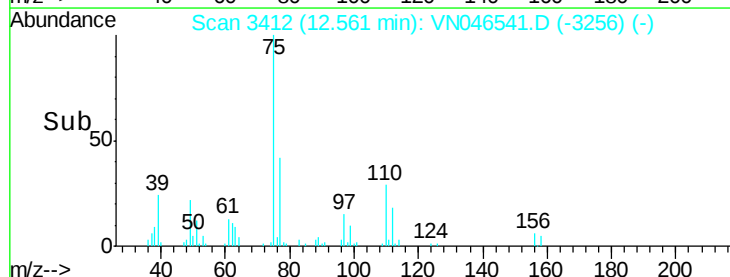
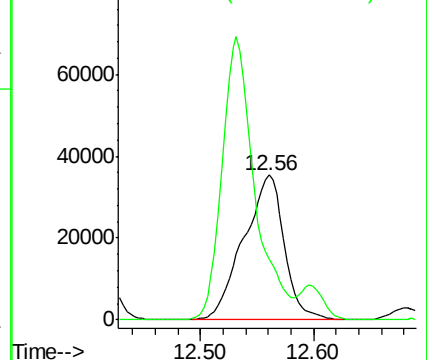
75 100

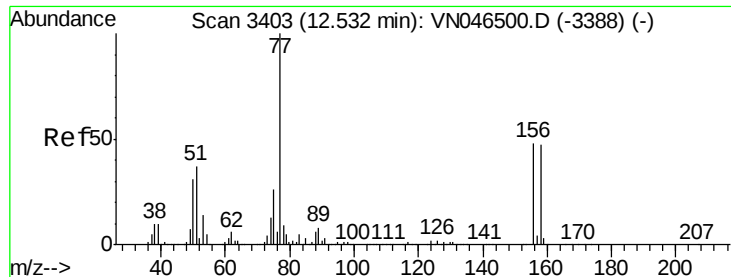
77 157.1 0.0 479.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 21.19 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

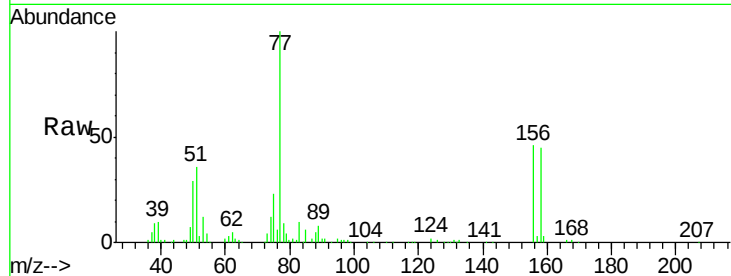
Tgt Ion:156 Resp: 54321

Ion Ratio Lower Upper

156 100

77 255.7 0.0 516.8

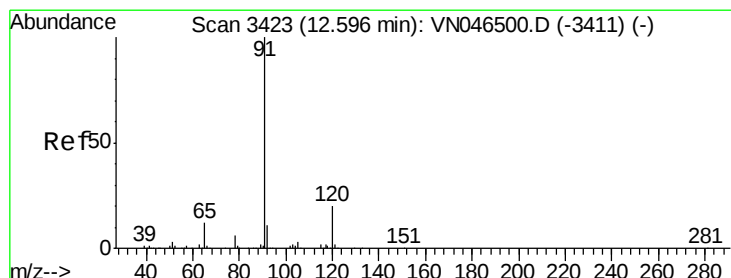
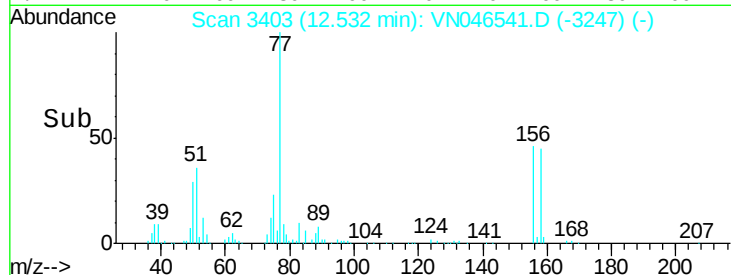
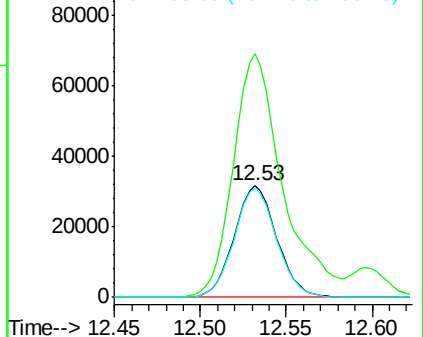
158 97.5 0.0 195.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.02 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN046541.D

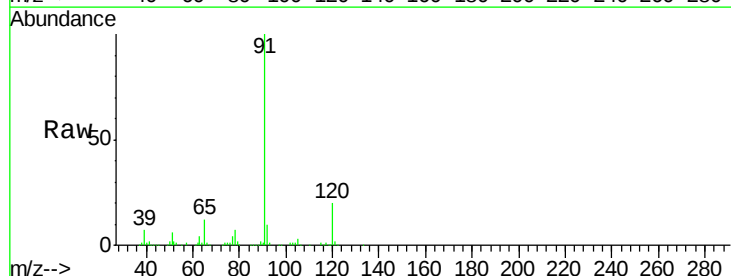
Acq: 24 Jan 2018 12:25

Tgt Ion: 91 Resp: 321543

Ion Ratio Lower Upper

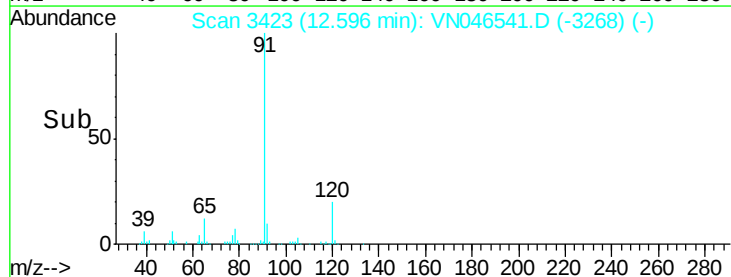
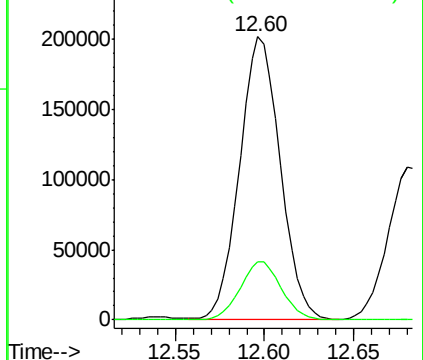
91 100

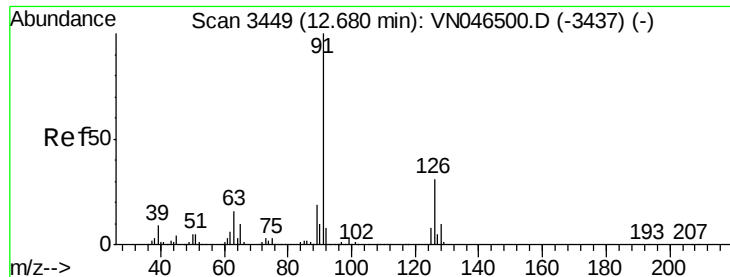
120 20.6 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.88 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

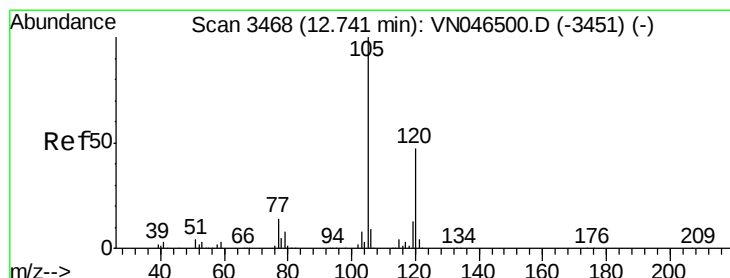
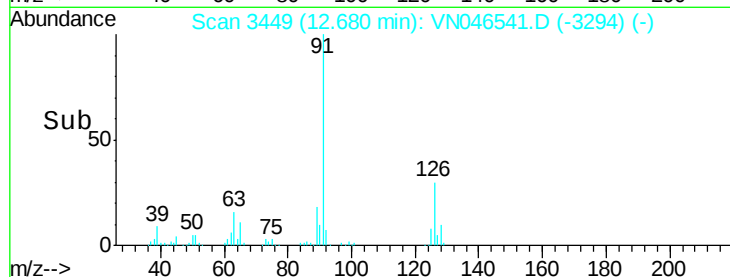
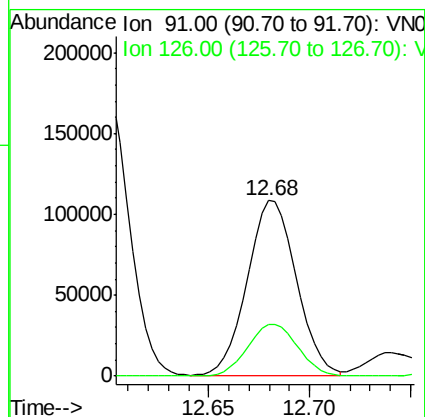
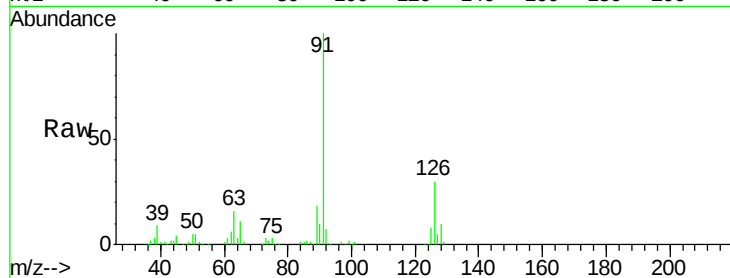
ICVVN012418

Tgt Ion: 91 Resp: 186320

Ion Ratio Lower Upper

91 100

126 30.2 0.0 60.2



#76

1,3,5-Trimethylbenzene

Concen: 20.85 ug/l

RT: 12.74 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VN046541.D

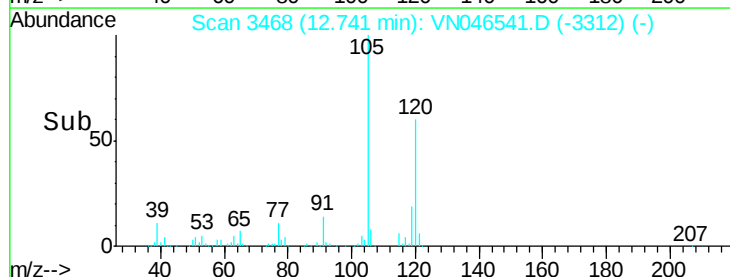
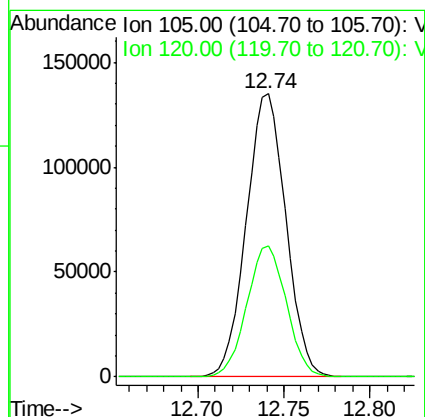
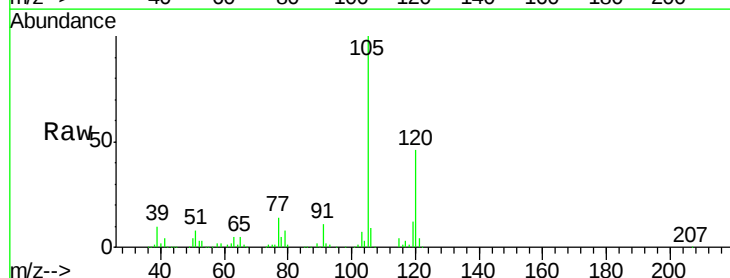
Acq: 24 Jan 2018 12:25

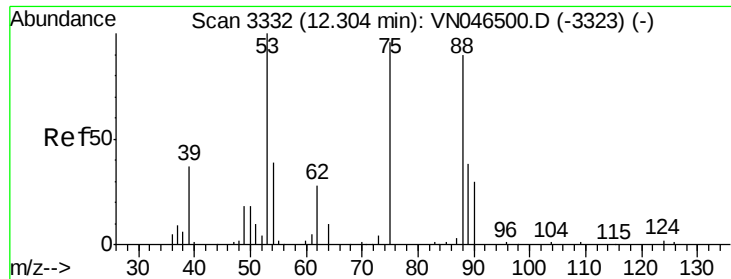
Tgt Ion: 105 Resp: 215320

Ion Ratio Lower Upper

105 100

120 46.2 0.0 93.4

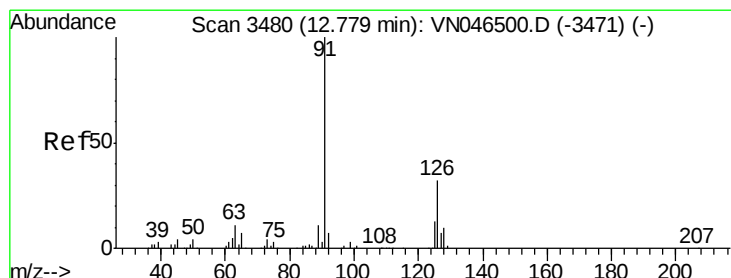
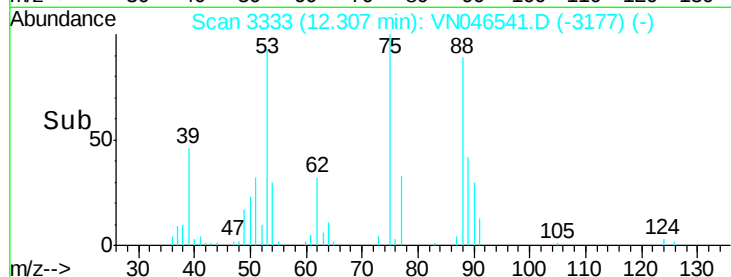
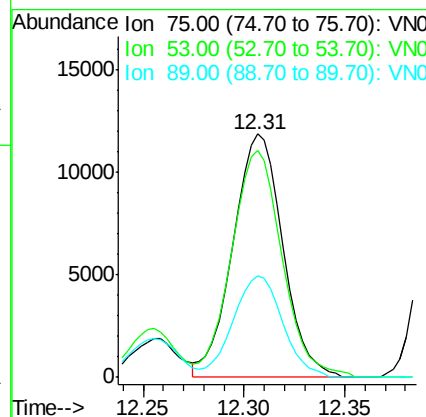
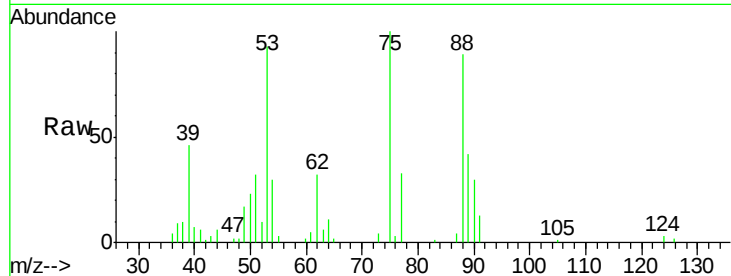




#77
t-1,4-Dichloro-2-butene
Concen: 20.89 ug/l
RT: 12.31 min Scan# 3333
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

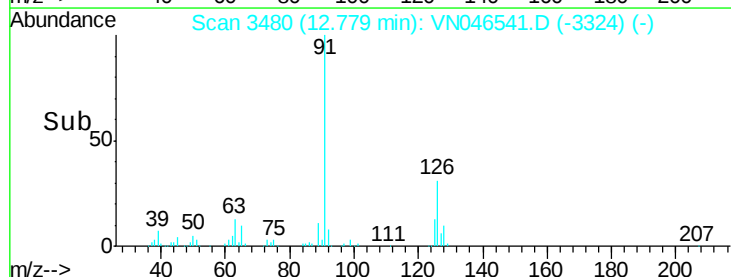
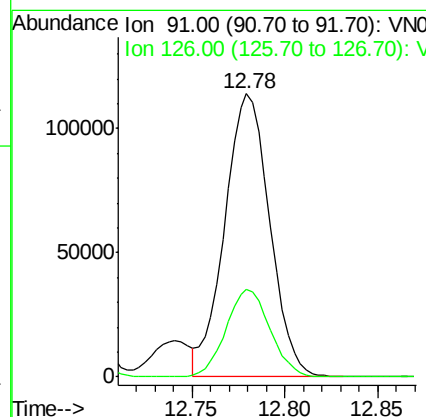
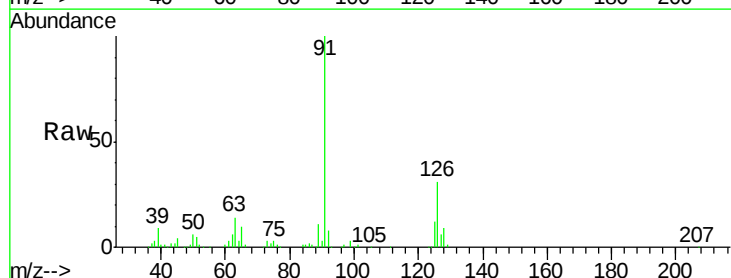
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

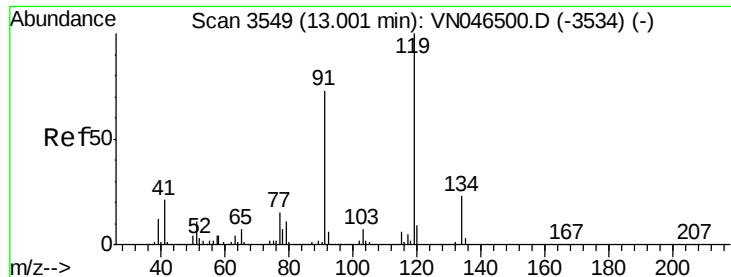
Tgt Ion: 75 Resp: 20525
Ion Ratio Lower Upper
75 100
53 91.4 46.8 140.3
89 41.5 20.2 60.5



#78
4-Chlorotoluene
Concen: 21.07 ug/l
RT: 12.78 min Scan# 3480
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion: 91 Resp: 192043
Ion Ratio Lower Upper
91 100
126 30.3 0.0 58.8

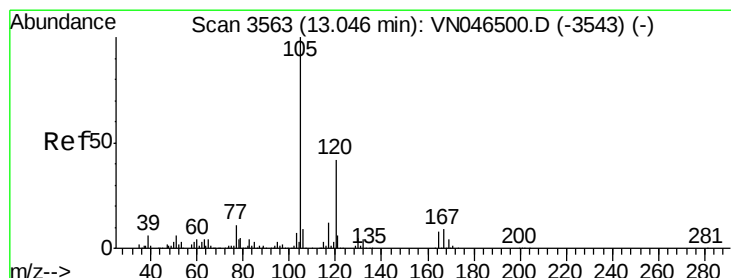
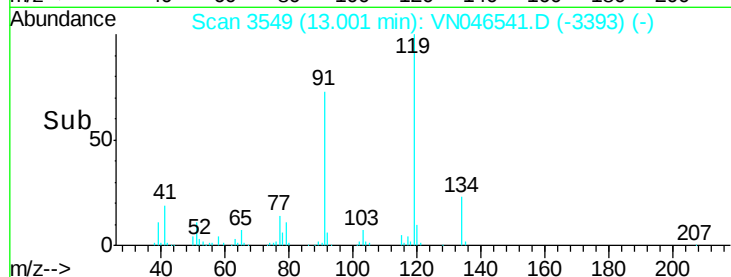
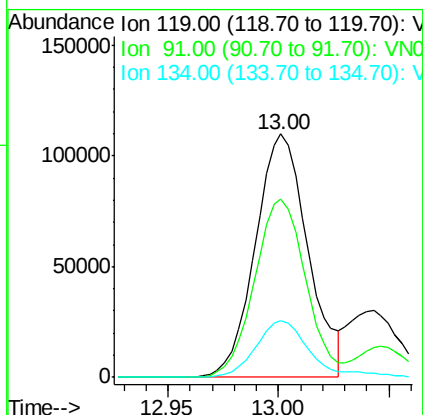
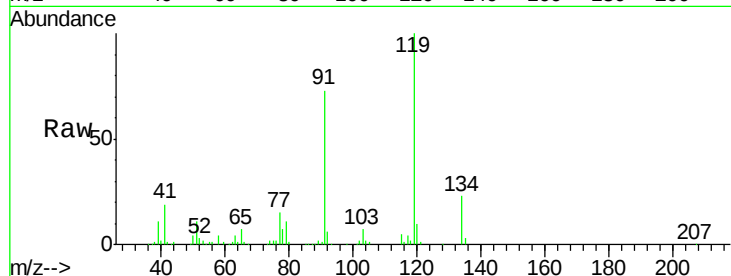




#79
tert-butylbenzene
Concen: 21.07 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

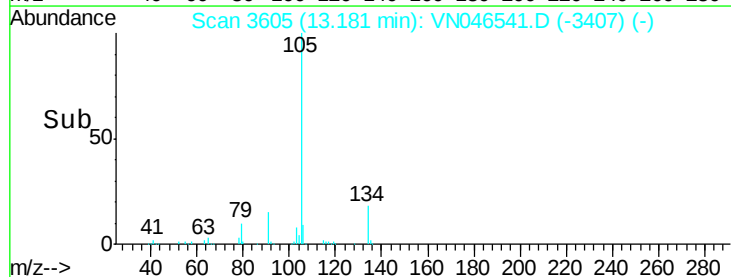
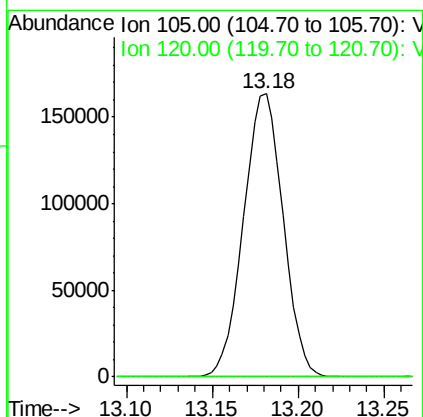
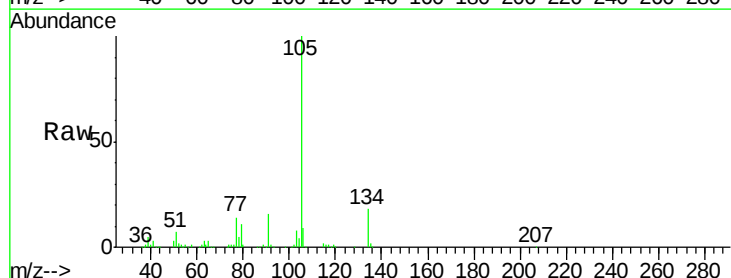
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

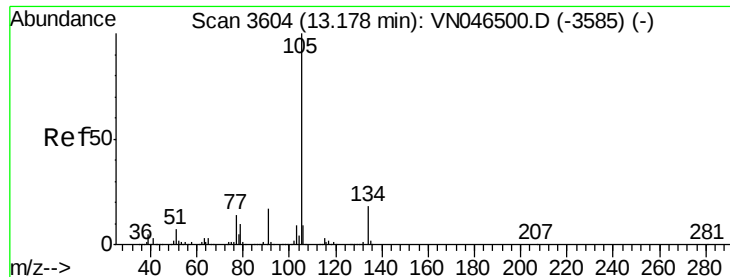
Tgt Ion:119 Resp: 181360
Ion Ratio Lower Upper
119 100
91 71.6 0.0 143.4
134 24.0 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 25.13 ug/l
RT: 13.18 min Scan# 3605
Delta R.T. 0.14 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion:105 Resp: 262213
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2





#81

sec-Butylbenzene

Concen: 21.03 ug/l

RT: 13.18 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

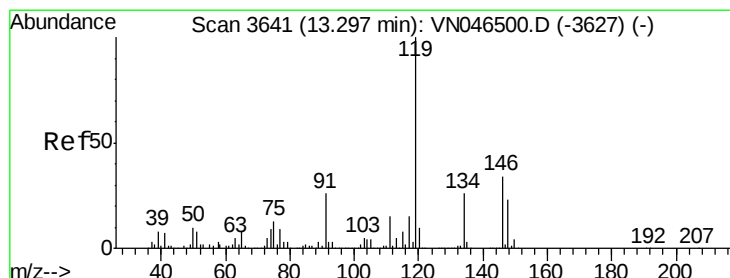
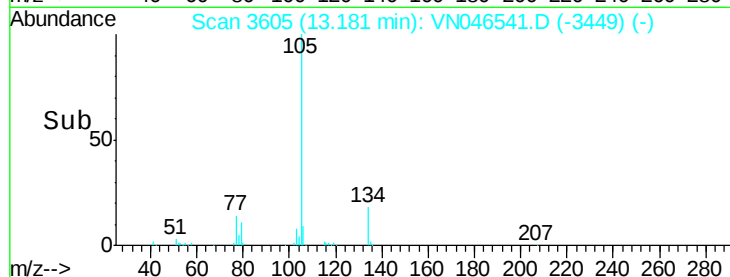
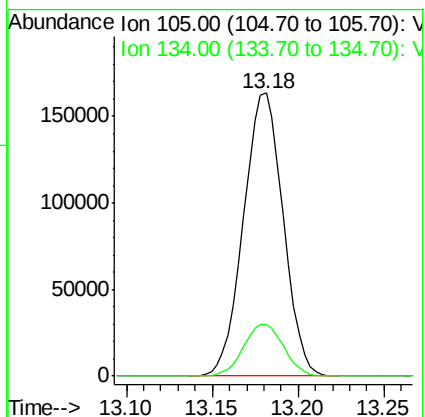
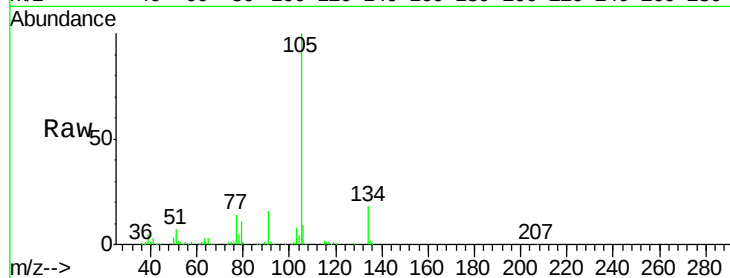
ICVVN012418

Tgt Ion:105 Resp: 262213

Ion Ratio Lower Upper

105 100

134 18.6 0.0 36.6



#82

p-Isopropyltoluene

Concen: 21.03 ug/l

RT: 13.30 min Scan# 3641

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

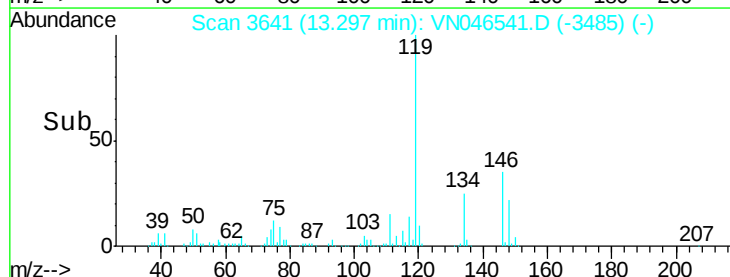
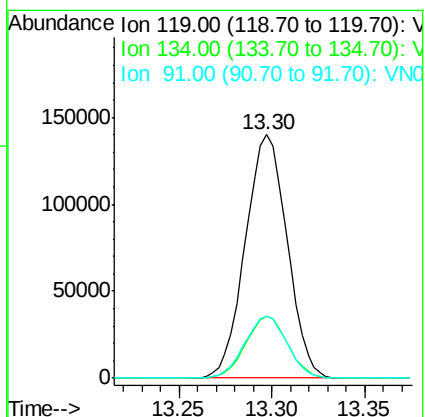
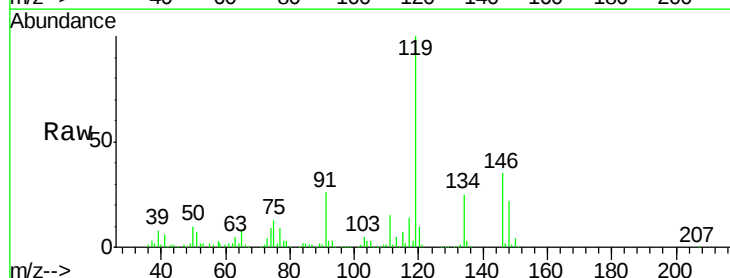
Tgt Ion:119 Resp: 219320

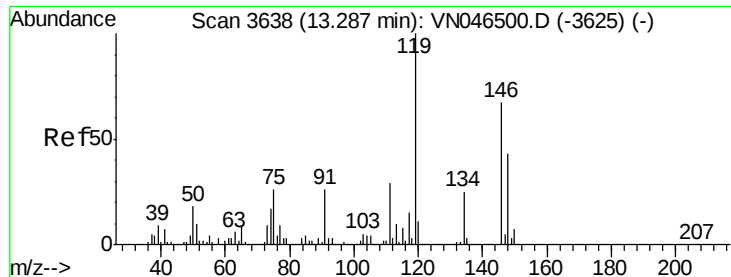
Ion Ratio Lower Upper

119 100

134 25.3 0.0 50.4

91 25.8 0.0 51.4

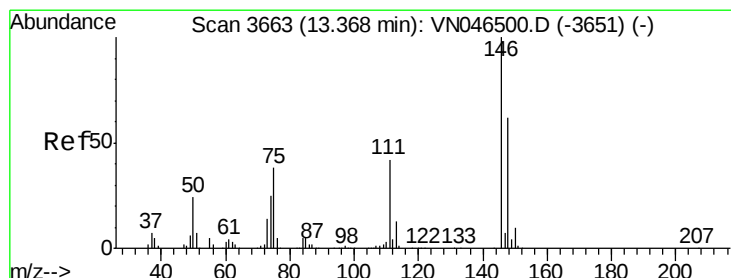
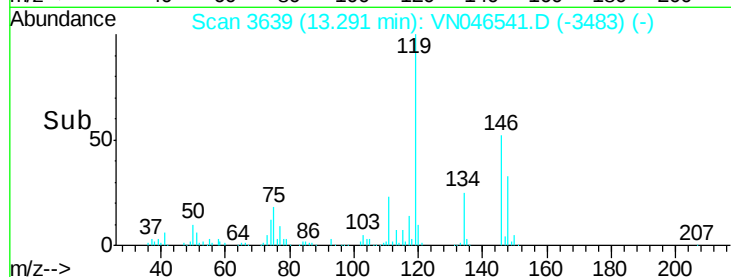
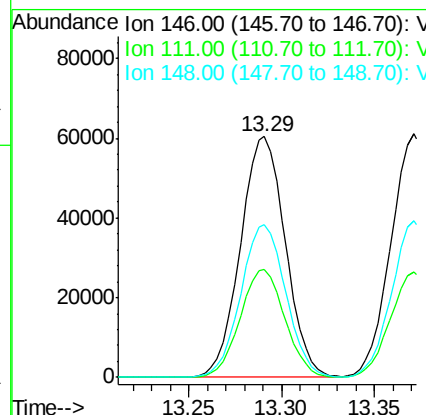
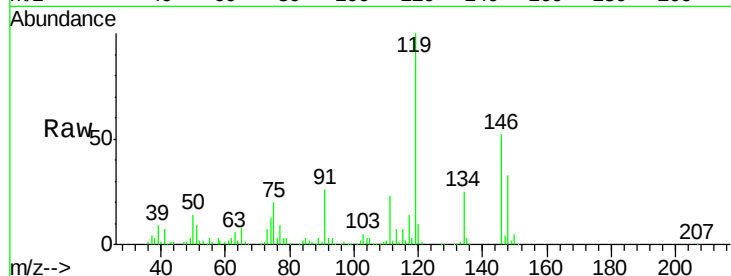




#83
1,3-Dichlorobenzene
Concen: 21.55 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

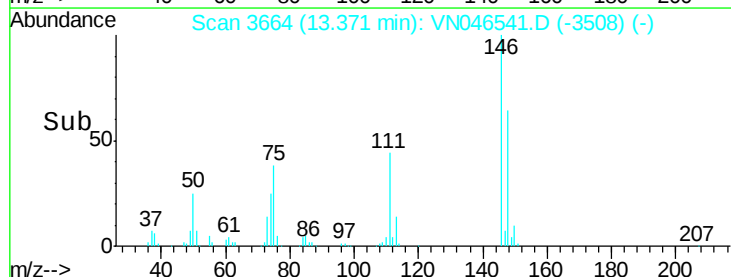
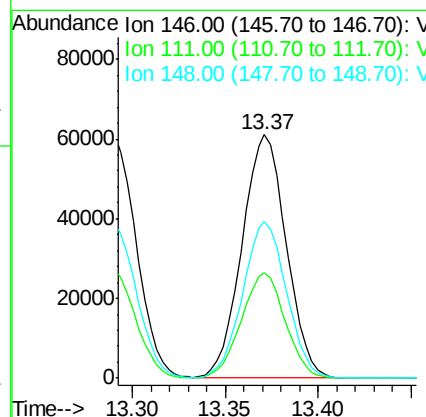
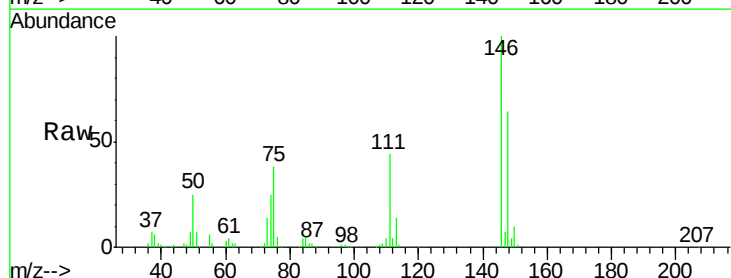
Instrument :
MSVOA_N
ClientSampleId :
ICVVN012418

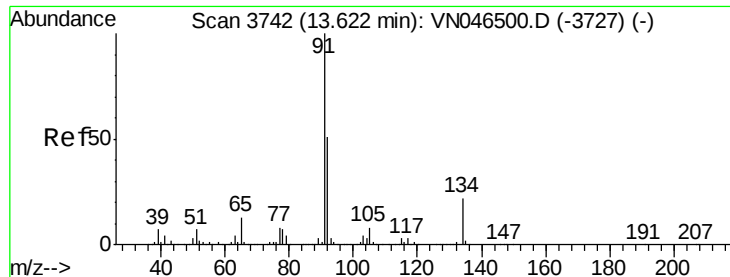
Tgt Ion:146 Resp: 101862
Ion Ratio Lower Upper
146 100
111 44.4 22.3 66.9
148 63.7 31.3 93.9



#84
1,4-Dichlorobenzene
Concen: 21.78 ug/l
RT: 13.37 min Scan# 3664
Delta R.T. 0.00 min
Lab File: VN046541.D
Acq: 24 Jan 2018 12:25

Tgt Ion:146 Resp: 101214
Ion Ratio Lower Upper
146 100
111 42.8 21.6 64.8
148 63.6 31.8 95.3





#85

n-Butylbenzene

Concen: 21.31 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

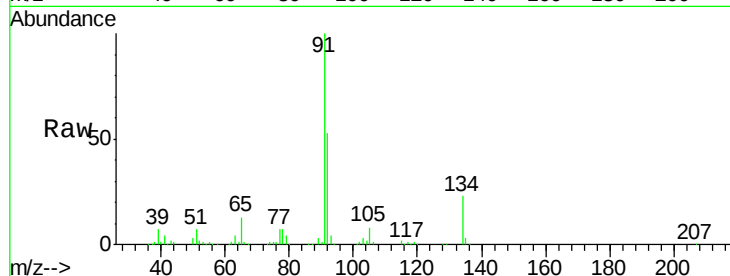
Tgt Ion: 91 Resp: 224321

Ion Ratio Lower Upper

91 100

92 52.7 0.0 105.6

134 22.7 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN046541.D (-3586) (-)

Ion 92.00 (91.70 to 92.70): VN046541.D (-3586) (-)

Ion 134.00 (133.70 to 134.70): VN046541.D (-3586) (-)

13.62

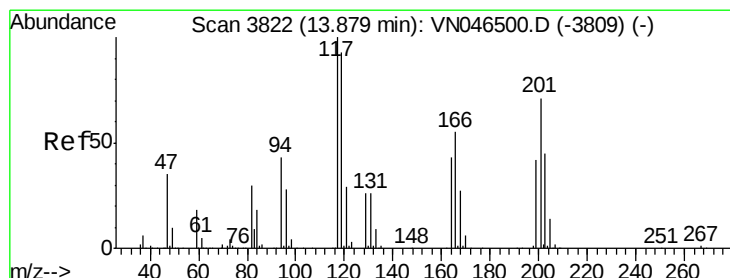
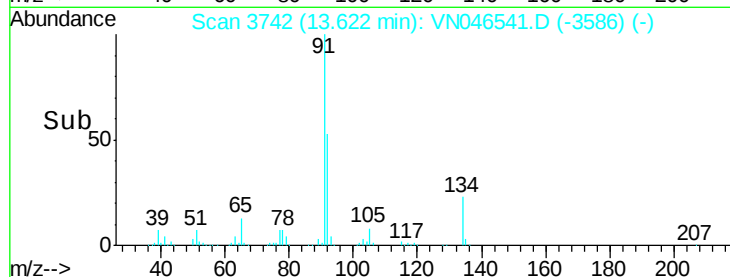
150000

100000

50000

0

Time--> 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 20.38 ug/l

RT: 13.88 min Scan# 3823

Delta R.T. 0.00 min

Lab File: VN046541.D

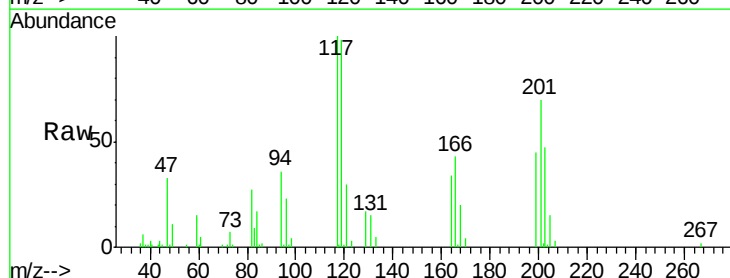
Acq: 24 Jan 2018 12:25

Tgt Ion: 117 Resp: 39572

Ion Ratio Lower Upper

117 100

201 70.6 35.0 105.1



Abundance Ion 117.00 (116.70 to 117.70): VN046541.D (-3761) (-)

Ion 201.00 (200.70 to 201.70): VN046541.D (-3761) (-)

13.88

25000

20000

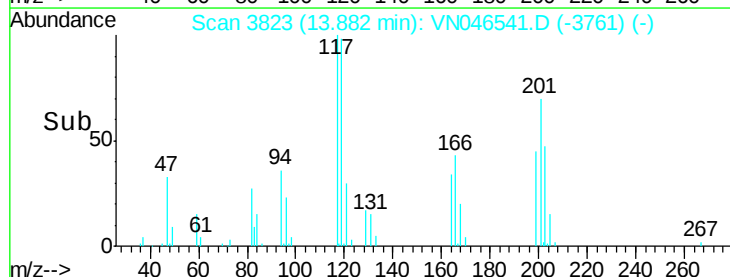
15000

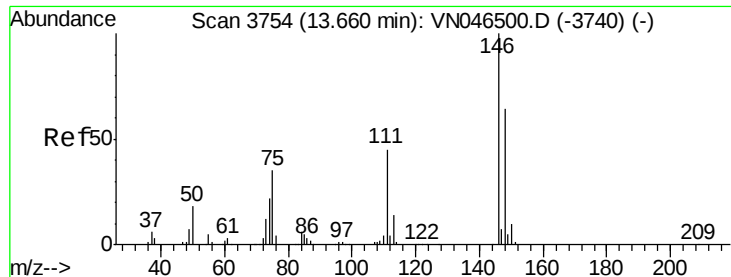
10000

5000

0

Time--> 13.85 13.90





#87

1,2-Dichlorobenzene

Concen: 21.61 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

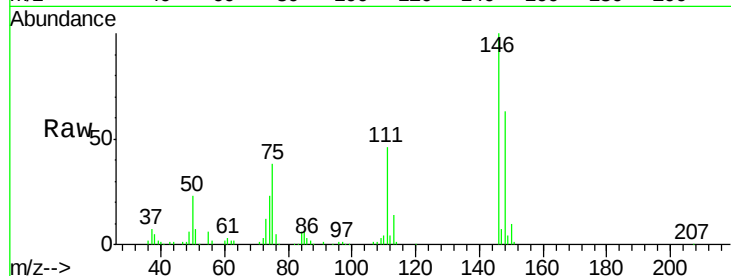
Tgt Ion:146 Resp: 98224

Ion Ratio Lower Upper

146 100

111 45.5 22.9 68.8

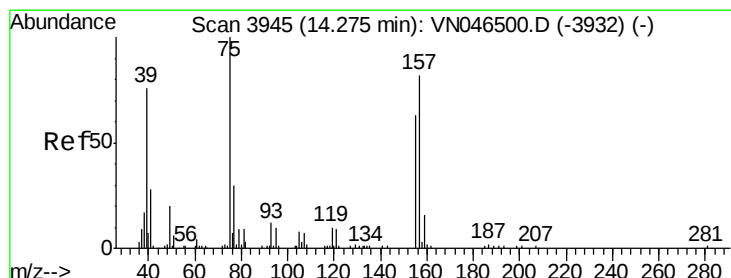
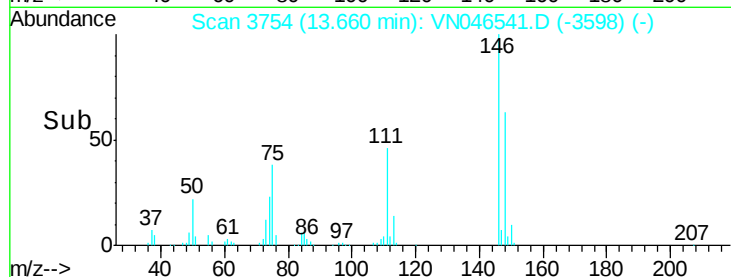
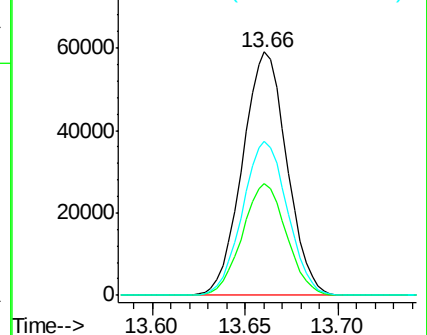
148 63.9 32.0 96.0



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 21.11 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

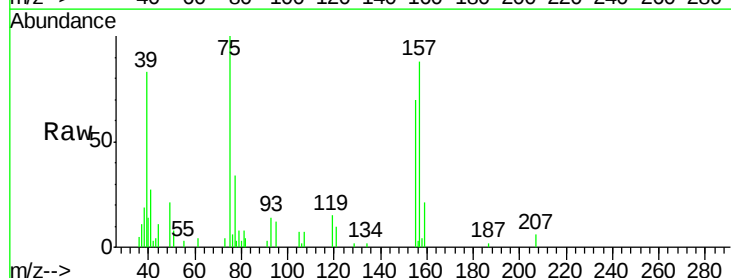
Tgt Ion: 75 Resp: 11987

Ion Ratio Lower Upper

75 100

155 68.2 52.6 79.0

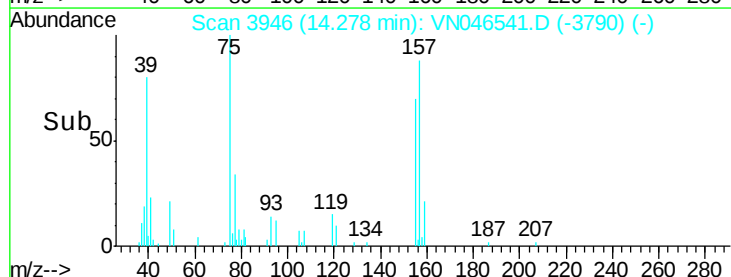
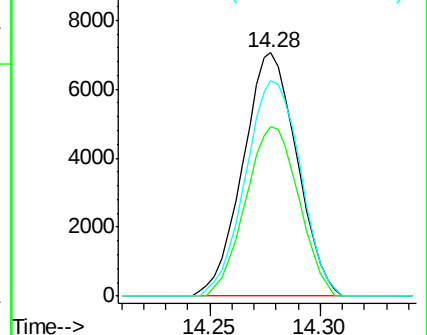
157 89.6 67.3 100.9

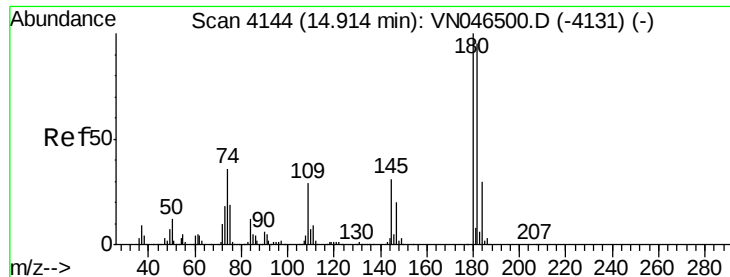


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

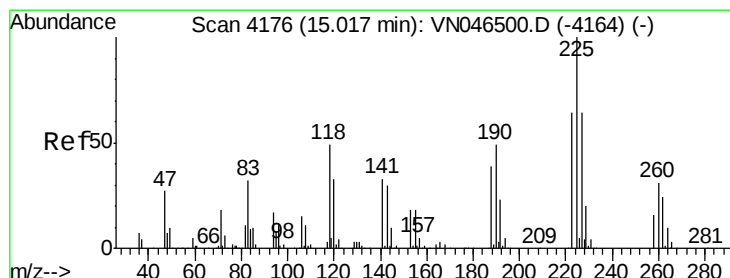
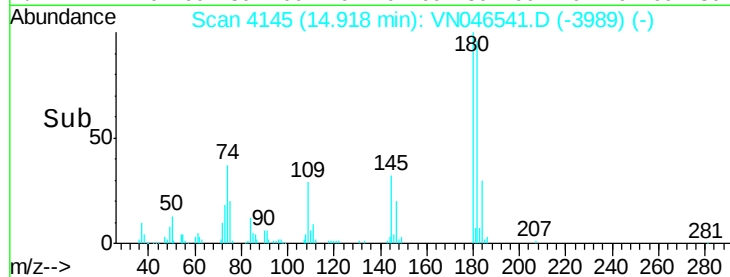
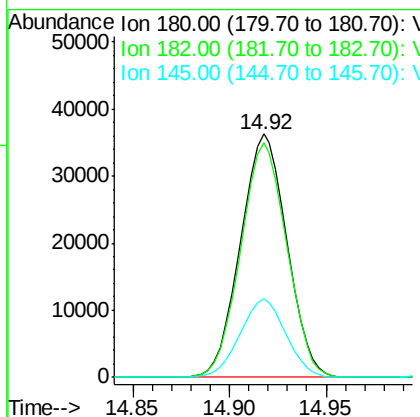
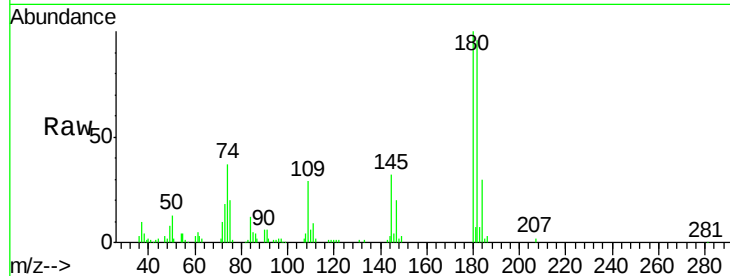




#89
 1,2,4-Trichlorobenzene
 Concen: 22.61 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

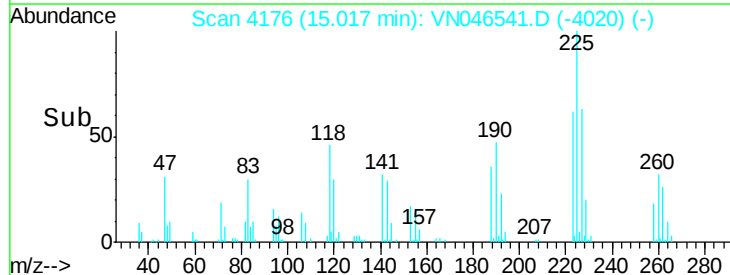
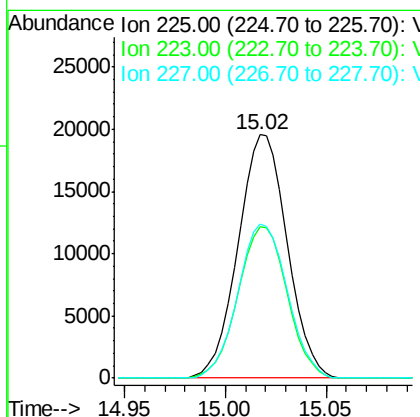
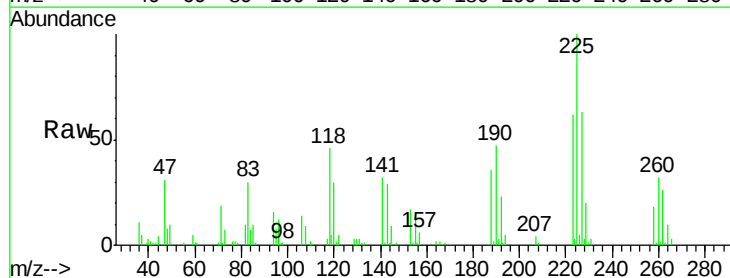
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN012418

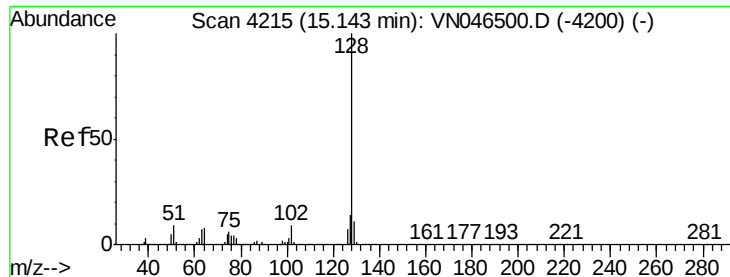
Tgt Ion:180 Resp: 60532
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.7 113.5
 145 31.7 25.2 37.8



#90
 Hexachlorobutadiene
 Concen: 23.28 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046541.D
 Acq: 24 Jan 2018 12:25

Tgt Ion:225 Resp: 33322
 Ion Ratio Lower Upper
 225 100
 223 62.2 0.0 123.6
 227 63.8 0.0 128.2





#91

Naphthalene

Concen: 22.83 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN012418

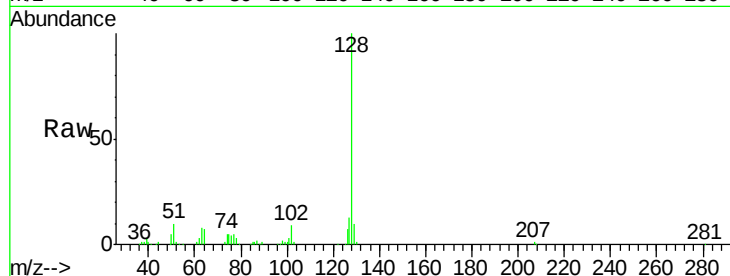
Tgt Ion:128 Resp: 146374

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

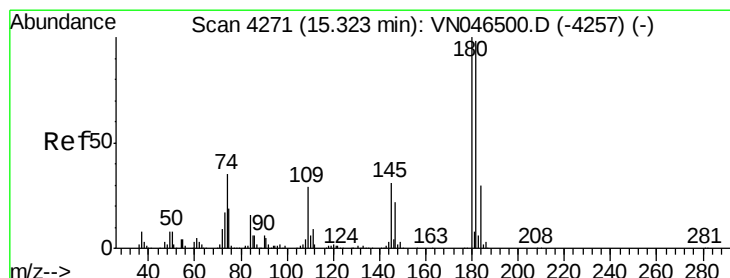
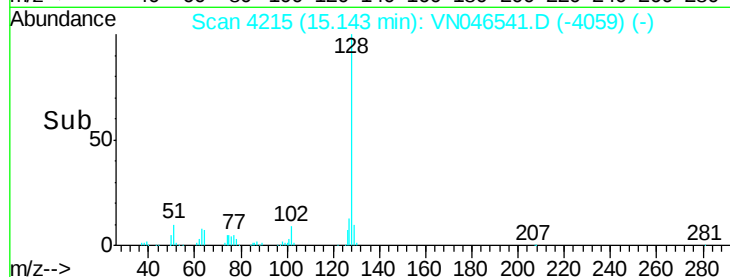
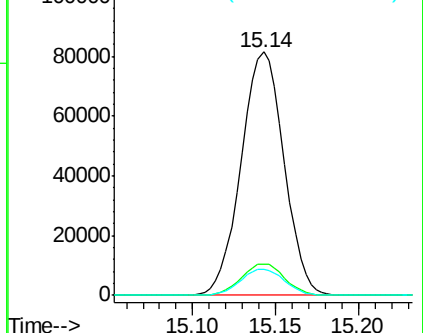
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 23.41 ug/l

RT: 15.33 min Scan# 4272

Delta R.T. 0.00 min

Lab File: VN046541.D

Acq: 24 Jan 2018 12:25

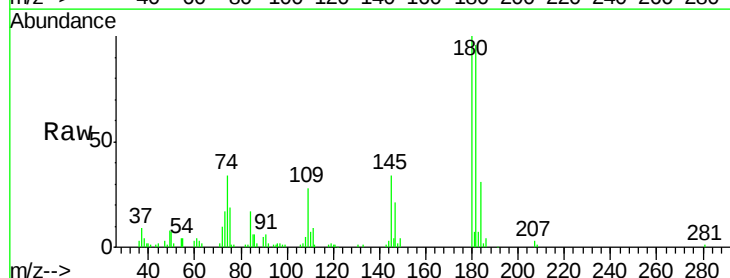
Tgt Ion:180 Resp: 60186

Ion Ratio Lower Upper

180 100

182 94.4 0.0 190.8

145 33.6 0.0 68.4



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

