

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046543.D
 Acq On : 24 Jan 2018 13:27
 Operator : MD\SY
 Sample : VN0124WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Quant Time: Jan 25 03:08:34 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	7.19	128	35752	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	211820	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	183301	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	97640	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	12.41	95	97674	29.77	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.23%
63) Toluene-d8	10.09	98	269732	30.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	44173	19.00	ug/l	98
3) Chloromethane	2.06	50	79560	20.18	ug/l	99
4) Vinyl Chloride	2.18	62	67436	18.72	ug/l	99
5) Bromomethane	2.57	94	38694	20.00	ug/l	99
6) Chloroethane	2.71	64	39905	19.37	ug/l	100
7) Trichlorofluoromethane	3.02	101	68599	19.45	ug/l	98
8) Diethyl Ether	3.41	74	35583	20.89	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	45671	19.34	ug/l	99
10) 1,1-Dichloroethene	3.73	96	45363	19.04	ug/l	99
11) Methyl Iodide	3.95	142	35224	17.84	ug/l	97
12) Methyl Acetate	4.33	43	59714	22.02	ug/l	98
13) Acrolein	3.61	56	32681	97.98	ug/l	95
14) Acrylonitrile	4.99	53	123355	109.09	ug/l	99
15) Acetone	3.82	58	36755	107.83	ug/l	88
16) Carbon Disulfide	4.05	76	151858	19.08	ug/l	100
17) Allyl chloride	4.32	41	109540	19.69	ug/l	98
18) Methylene Chloride	4.55	84	58378	20.61	ug/l	95
19) trans-1,2-Dichloroethene	5.04	96	49145	19.74	ug/l	97
20) Diisopropyl ether	5.96	45	199924	19.49	ug/l	99
21) 1,1-Dichloroethane	5.85	63	110785	19.90	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	57919	19.98	ug/l	99
23) tert-Butyl Alcohol	4.80	59	30189	111.55	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	164791	21.17	ug/l	100
25) Chloroform	7.37	83	98478	20.19	ug/l	98
26) Cyclohexane	7.65	56	100401	18.78	ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	74862	19.19	ug/l	100
30) 2-Butanone	6.84	43	157548	110.06	ug/l	99
31) 2,2-Dichloropropane	6.82	77	86252	19.79	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	77459	20.07	ug/l	99
33) Carbon Tetrachloride	7.77	117	61253	19.73	ug/l	97
34) Benzene	8.04	78	231999	20.77	ug/l	97
35) Methacrylonitrile	7.18	41	33478	19.98	ug/l	96
36) 1,2-Dichloroethane	8.13	62	85445	21.60	ug/l	99
37) Trichloroethene	8.84	130	49043	19.50	ug/l	96
38) Methylcyclohexane	9.08	83	89582	19.12	ug/l	99
39) 1,2-Dichloropropane	9.12	63	68545	21.24	ug/l	100
40) Dibromomethane	9.21	93	35477	21.72	ug/l	98

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 Sample : VN0124WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

Quant Time: Jan 25 03:08:34 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)
41) Bromodichloromethane	9.41	83	78186	20.96	ug/l	97
42) Vinyl Acetate	5.90	43	798867	107.59	ug/l	99
43) Ethyl Acetate	6.93	43	66920	23.56	ug/l	98
44) Isopropyl Acetate	8.17	43	116612	21.67	ug/l	99
45) 1,4-Dioxane	9.20	88	12835	449.50	ug/l	95
46) Methyl methacrylate	9.20	41	56728	21.25	ug/l	96
47) n-amyl Acetate	12.08	43	105013	21.12	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	83593	20.13	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	97731	20.56	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	51314	21.97	ug/l	99
51) Ethyl methacrylate	10.43	69	82273	21.88	ug/l	99
52) 1,3-Dichloropropane	10.71	76	94054	21.39	ug/l	99
53) Dibromochloromethane	10.90	129	50565	21.15	ug/l	100
54) 1,2-Dibromoethane	11.01	107	45293	21.55	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	178908	112.00	ug/l	100
56) Bromoform	12.13	173	31129	21.09	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	321894	114.20	ug/l	99
59) 2-Hexanone	10.76	43	224610	112.54	ug/l	100
61) Tetrachloroethene	10.63	164	41919	20.35	ug/l	99
62) Toluene	10.16	91	230138	20.53	ug/l	100
64) Chlorobenzene	11.44	112	134902	20.62	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	46152	20.96	ug/l	99
66) Ethyl Benzene	11.52	91	248120	20.16	ug/l	100
67) m/p-Xylenes	11.63	106	177414	40.12	ug/l	100
68) o-Xylene	11.95	106	87617	20.43	ug/l	100
69) Styrene	11.97	104	143303	20.21	ug/l	99
70) Isopropylbenzene	12.26	105	229247	20.10	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	66605	22.60	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	85726	35.32	ug/l	46
73) Bromobenzene	12.53	156	48924	20.40	ug/l	99
74) n-propylbenzene	12.60	91	278875	19.48	ug/l	99
75) 2-Chlorotoluene	12.68	91	166504	19.94	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	194392	20.12	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	19540	21.26	ug/l	96
78) 4-Chlorotoluene	12.78	91	166677	19.54	ug/l	99
79) tert-butylbenzene	13.00	119	162463	20.17	ug/l	100
80) 1,2,4-Trimethylbenzene	13.18	105	228196	23.37	ug/l	100
81) sec-Butylbenzene	13.18	105	228196	19.56	ug/l	100
82) p-Isopropyltoluene	13.30	119	190796	19.55	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	87796	19.85	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	85612	19.69	ug/l	99
85) n-Butylbenzene	13.62	91	182359	18.51	ug/l	100
86) Hexachloroethane	13.88	117	35179	19.36	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	88318	20.77	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	11905	22.41	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	47679	19.03	ug/l	99
90) Hexachlorobutadiene	15.02	225	25800	19.26	ug/l	97
91) Naphthalene	15.14	128	120476	20.08	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	47886	19.91	ug/l	99

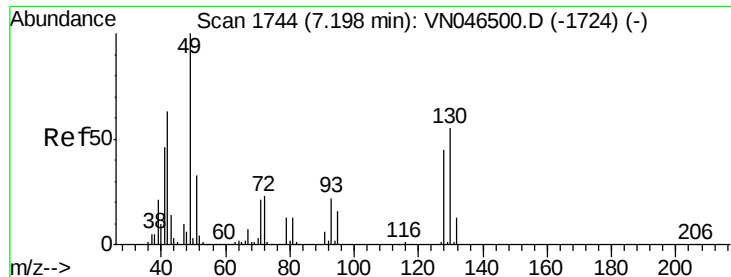
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
Data File : VN046543.D
Acq On : 24 Jan 2018 13:27
Operator : MD\SY
Sample : VN0124WBS01
Misc : 5.00mL/MSVOA_N/WATER
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Quant Time: Jan 25 03:08:34 2018
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jan 24 12:28:49 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

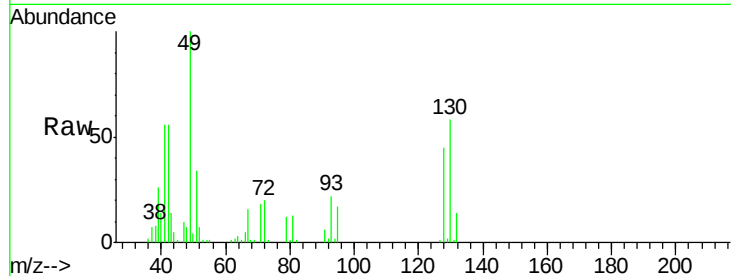
Tgt Ion:128 Resp: 35752

Ion Ratio Lower Upper

128 100

49 224.6 0.0 566.8

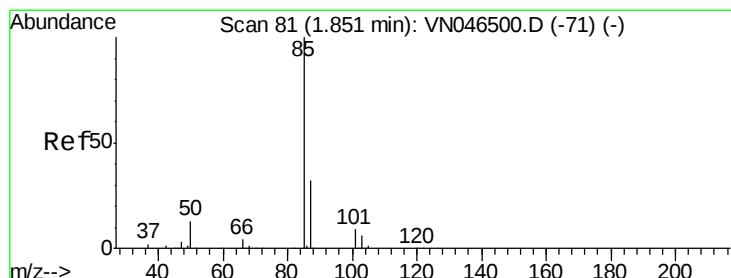
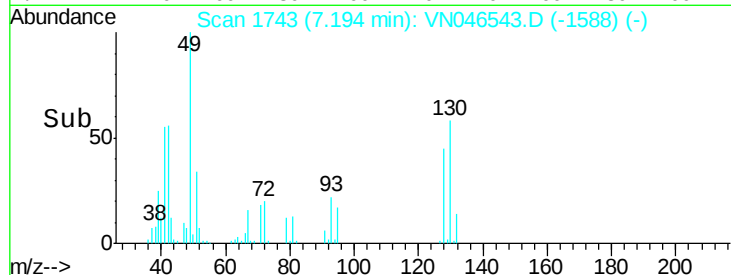
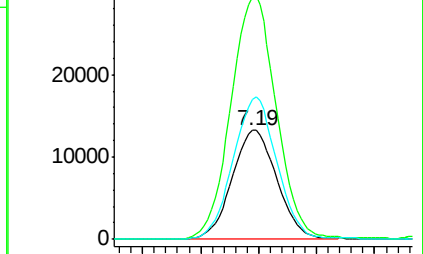
130 127.7 0.0 323.3



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: 19.00 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN046543.D

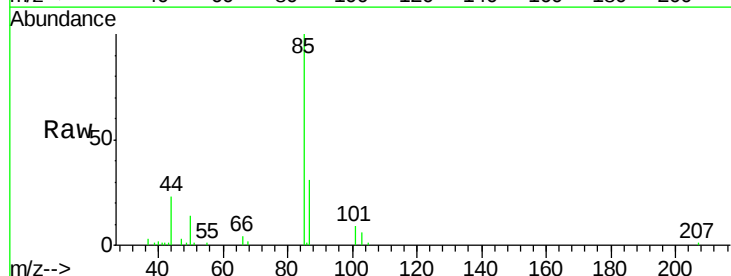
Acq: 24 Jan 2018 13:27

Tgt Ion: 85 Resp: 44173

Ion Ratio Lower Upper

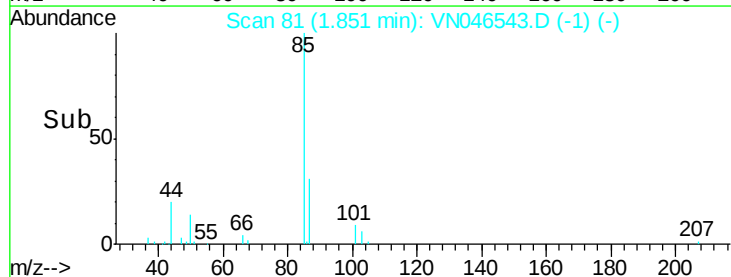
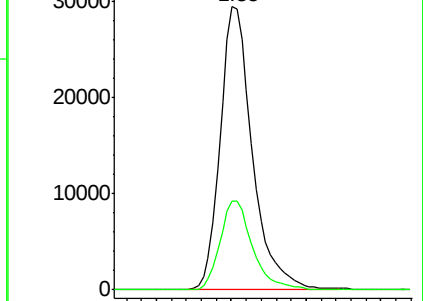
85 100

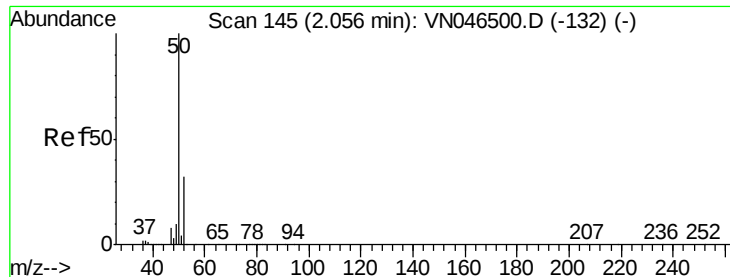
87 31.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.18 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

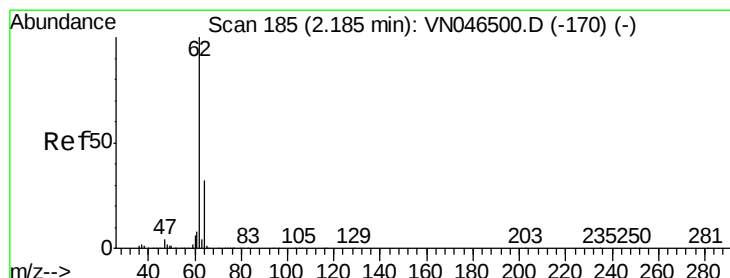
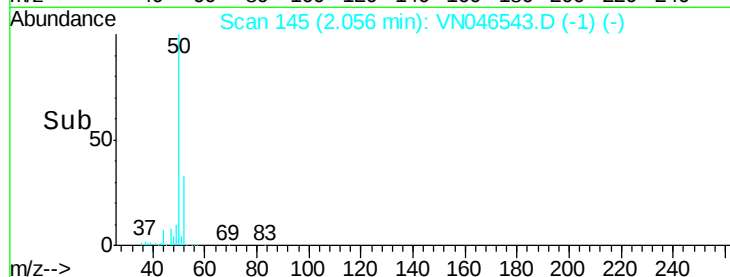
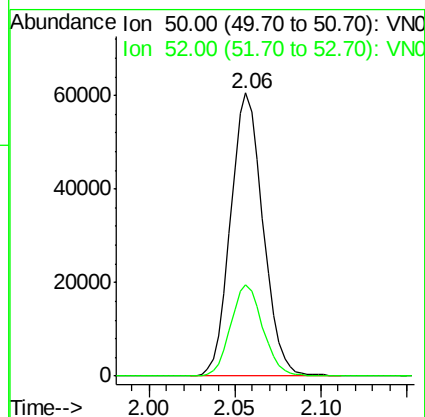
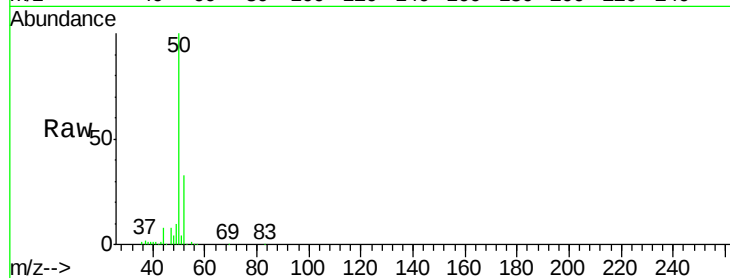
VN0124WBS01

Tgt Ion: 50 Resp: 79560

Ion Ratio Lower Upper

50 100

52 32.5 25.8 38.6



#4

Vinyl Chloride

Concen: 18.72 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046543.D

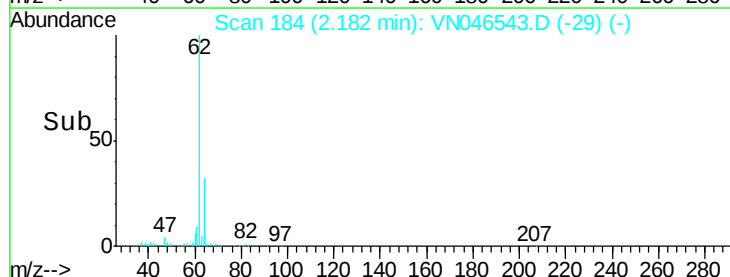
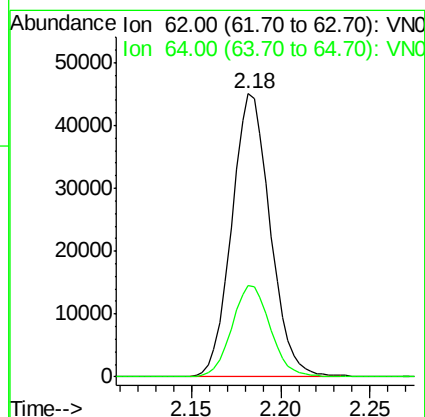
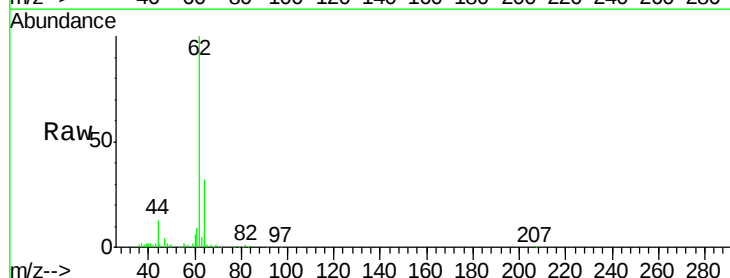
Acq: 24 Jan 2018 13:27

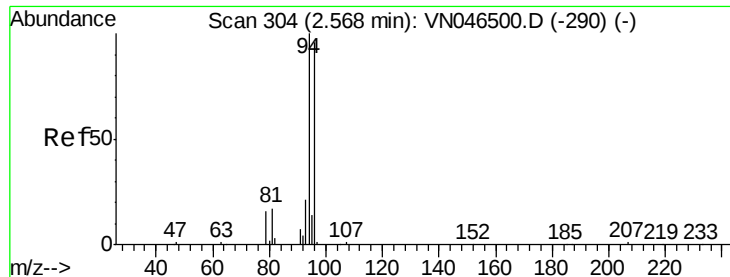
Tgt Ion: 62 Resp: 67436

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 20.00 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

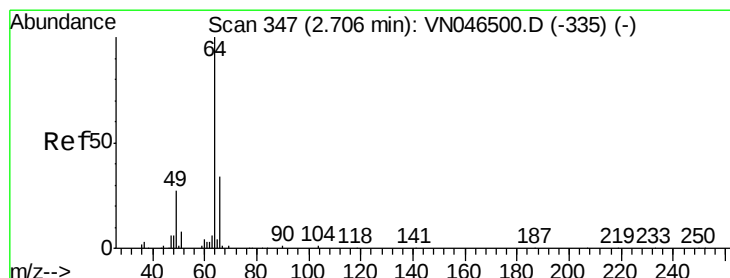
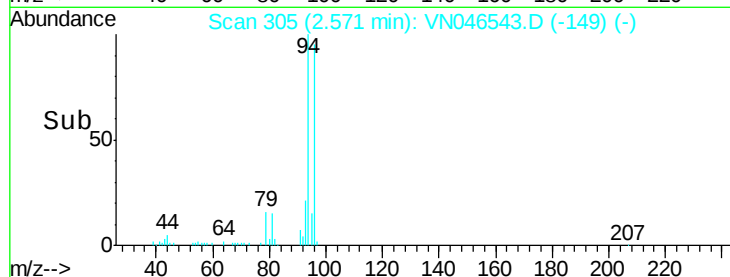
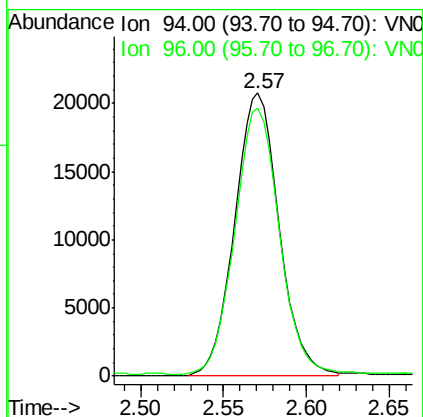
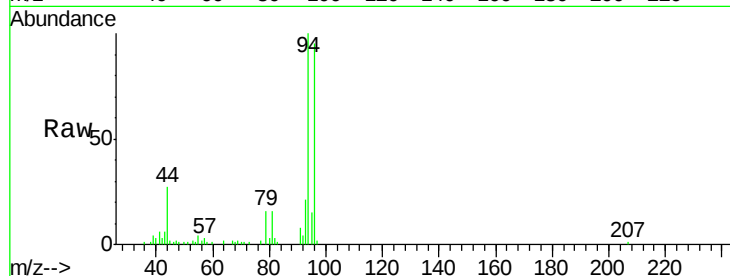
VN0124WBS01

Tgt Ion: 94 Resp: 38694

Ion Ratio Lower Upper

94 100

96 93.8 74.6 111.8



#6

Chloroethane

Concen: 19.37 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN046543.D

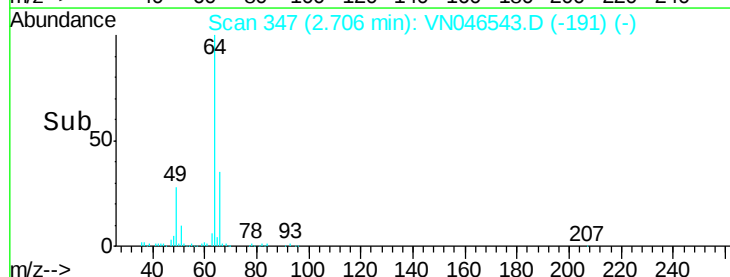
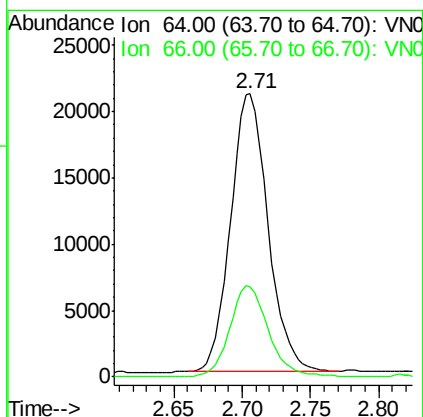
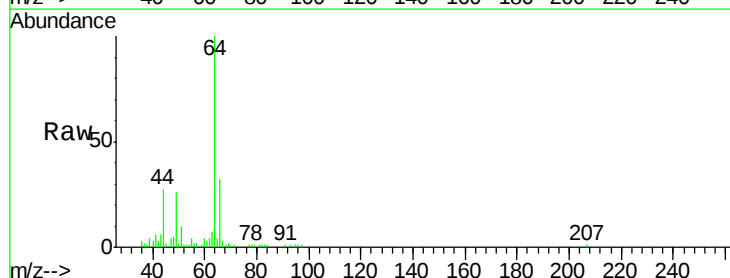
Acq: 24 Jan 2018 13:27

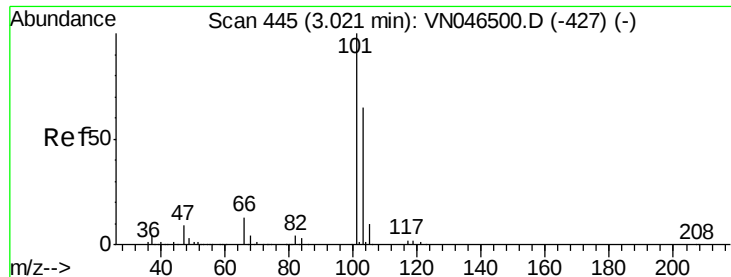
Tgt Ion: 64 Resp: 39905

Ion Ratio Lower Upper

64 100

66 32.3 26.0 39.0



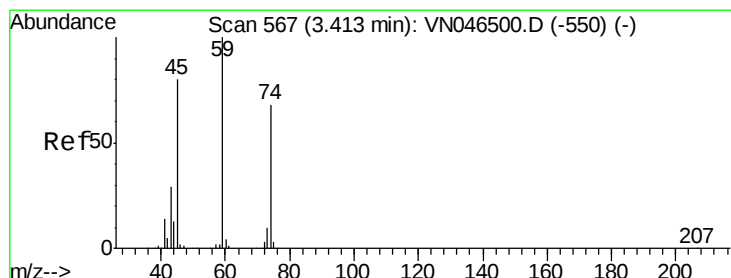
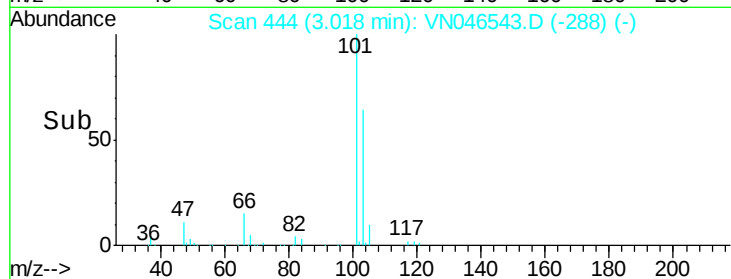
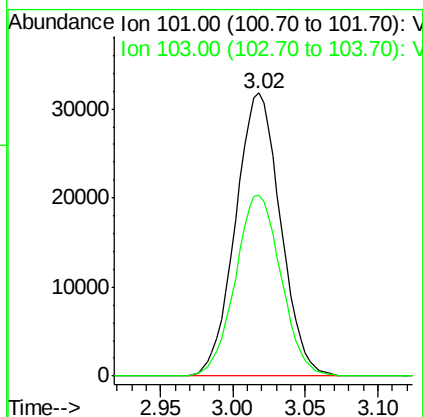
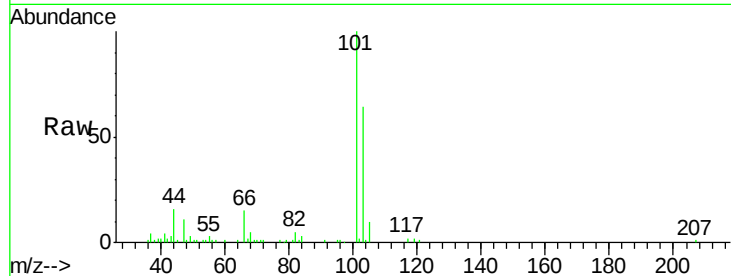


#7

Trichlorofluoromethane
Concen: 19.45 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

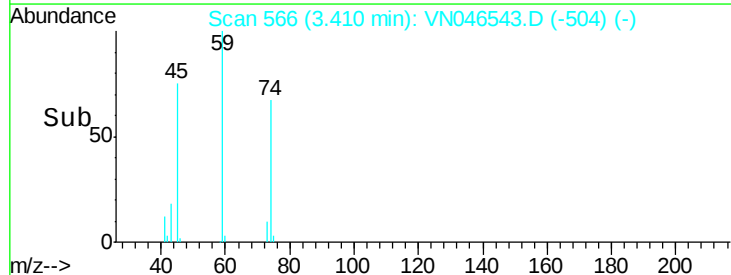
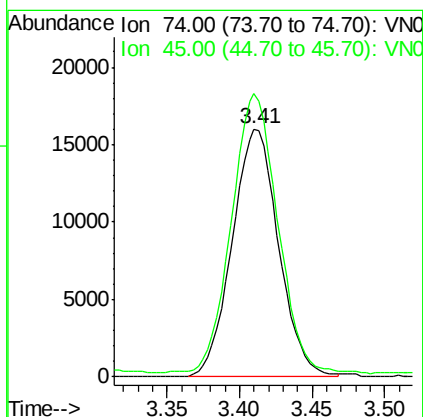
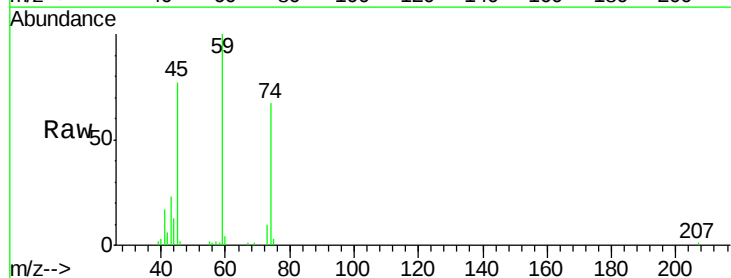
Tgt Ion:101 Resp: 68599
Ion Ratio Lower Upper
101 100
103 63.7 52.2 78.4

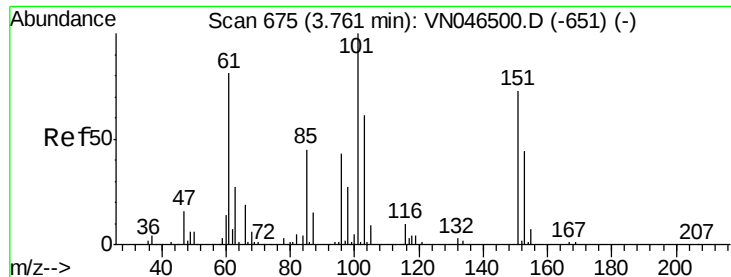


#8

Diethyl Ether
Concen: 20.89 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 74 Resp: 35583
Ion Ratio Lower Upper
74 100
45 112.6 22.0 197.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.34 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

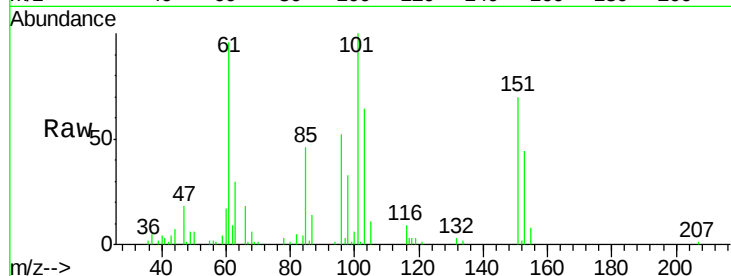
Tgt Ion: 101 Resp: 45671

Ion Ratio Lower Upper

101 100

85 46.1 0.0 90.8

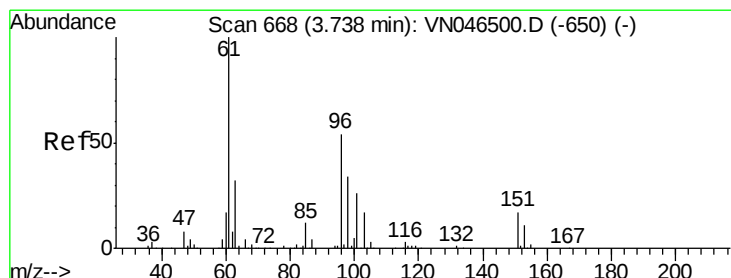
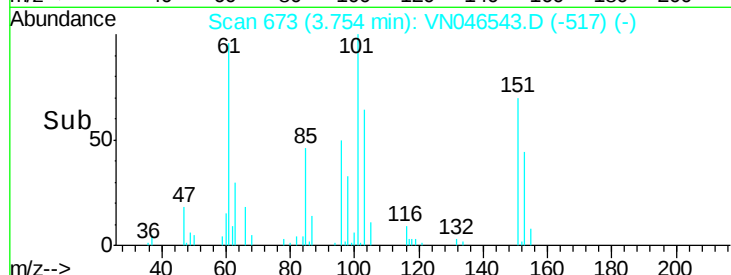
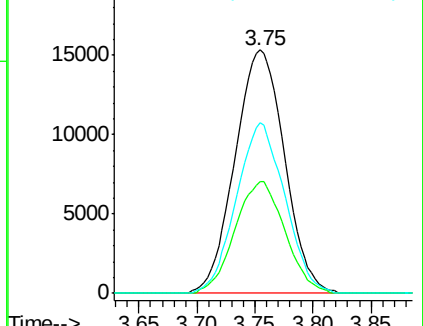
151 68.6 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): VN046543.D (-517) (-)

Ion 85.00 (84.70 to 85.70): VN046543.D (-517) (-)

Ion 151.00 (150.70 to 151.70): VN046543.D (-517) (-)



#10

1,1-Dichloroethene

Concen: 19.04 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

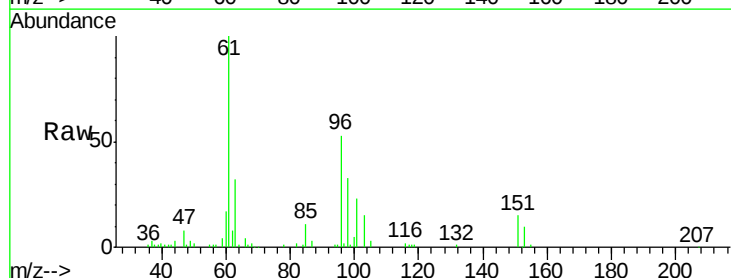
Tgt Ion: 96 Resp: 45363

Ion Ratio Lower Upper

96 100

61 189.6 152.4 228.6

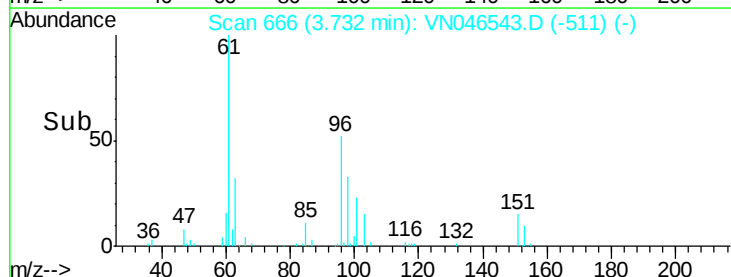
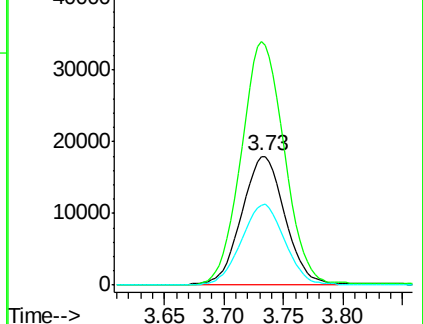
98 62.5 51.3 76.9

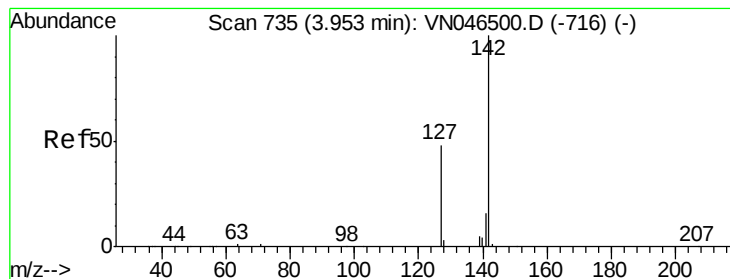


Abundance Ion 96.00 (95.70 to 96.70): VN046543.D (-511) (-)

Ion 61.00 (60.70 to 61.70): VN046543.D (-511) (-)

Ion 98.00 (97.70 to 98.70): VN046543.D (-511) (-)





#11

Methyl Iodide

Concen: 17.84 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

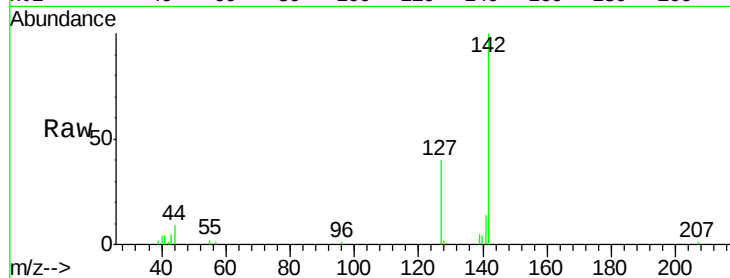
Tgt Ion:142 Resp: 35224

Ion Ratio Lower Upper

142 100

127 40.0 21.1 63.3

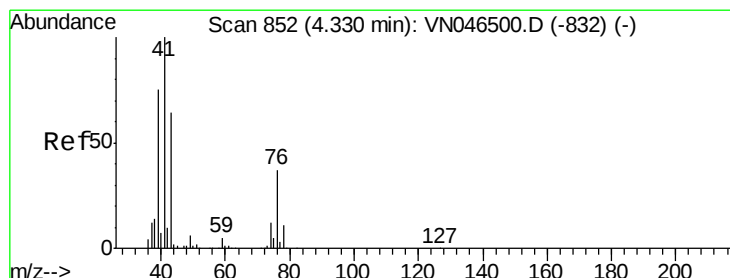
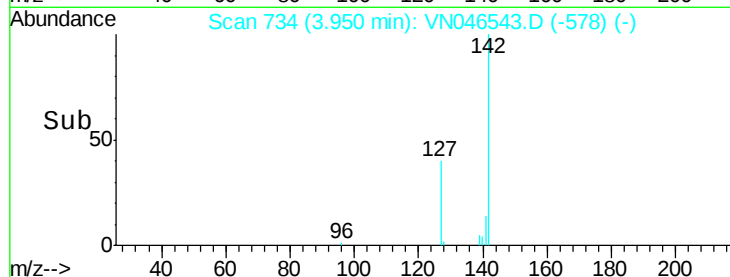
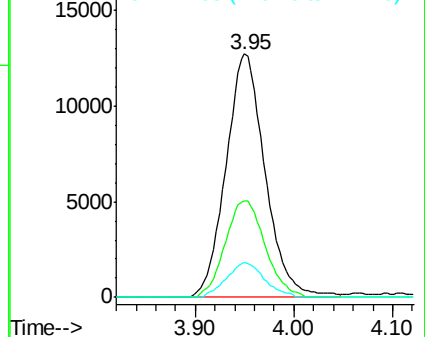
141 14.4 7.3 21.9



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: 22.02 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN046543.D

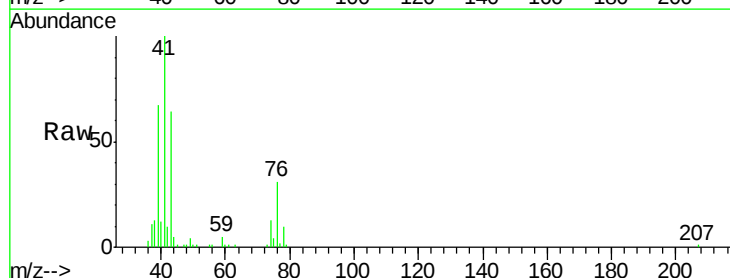
Acq: 24 Jan 2018 13:27

Tgt Ion: 43 Resp: 59714

Ion Ratio Lower Upper

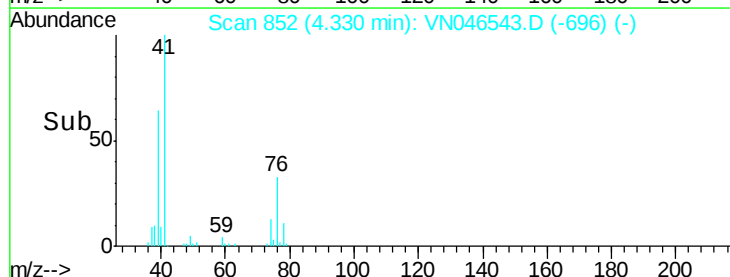
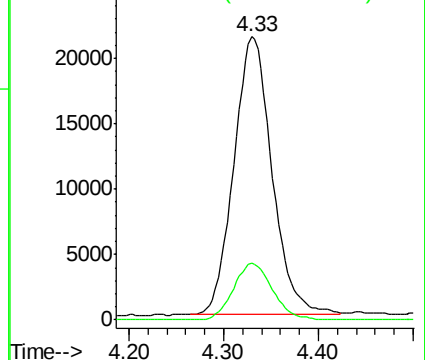
43 100

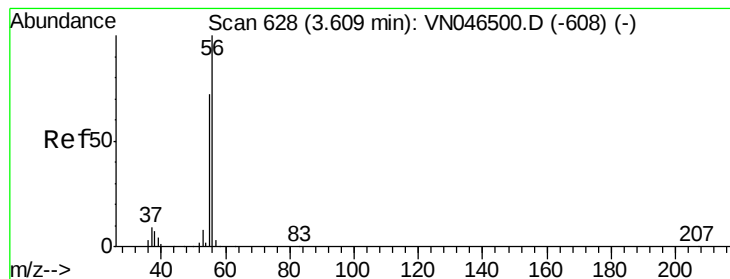
74 20.5 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 97.98 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

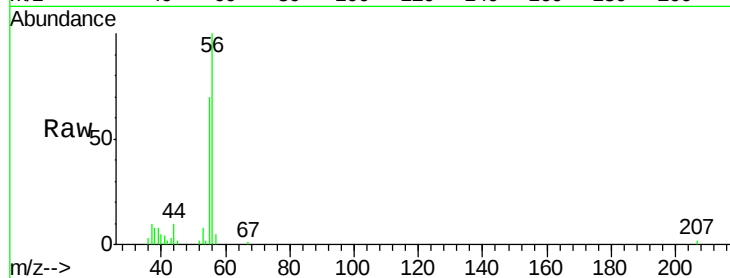
VN0124WBS01

Tgt Ion: 56 Resp: 32681

Ion Ratio Lower Upper

56 100

55 69.0 58.9 88.3



Abundance Ion 56.00 (55.70 to 56.70): VN046500.D (-608) (-)

Ion 55.00 (54.70 to 55.70): VN046500.D (-608) (-)

3.61

15000

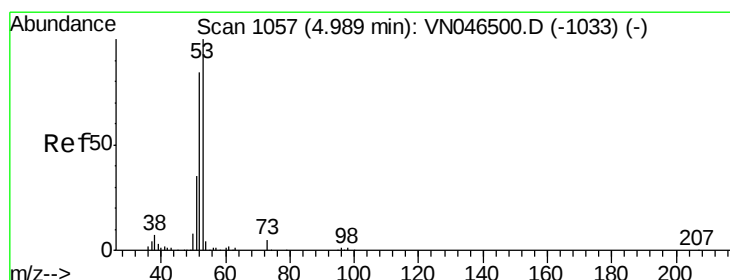
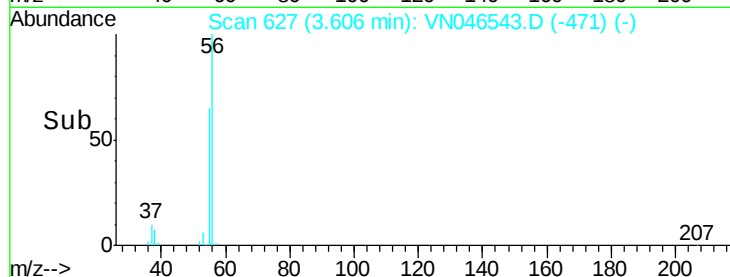
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 109.09 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

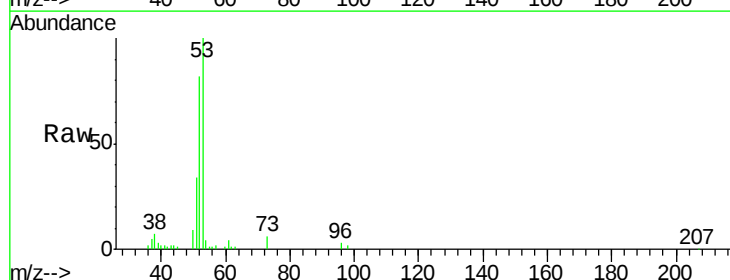
Tgt Ion: 53 Resp: 123355

Ion Ratio Lower Upper

53 100

52 82.5 40.9 122.7

51 35.2 18.1 54.1



Abundance Ion 53.00 (52.70 to 53.70): VN046500.D (-1033) (-)

Ion 52.00 (51.70 to 52.70): VN046500.D (-1033) (-)

Ion 51.00 (50.70 to 51.70): VN046500.D (-1033) (-)

4.99

50000

40000

30000

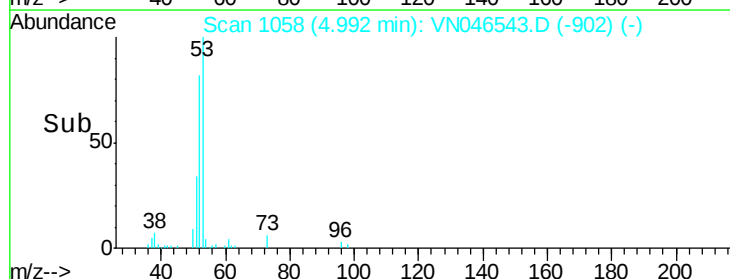
20000

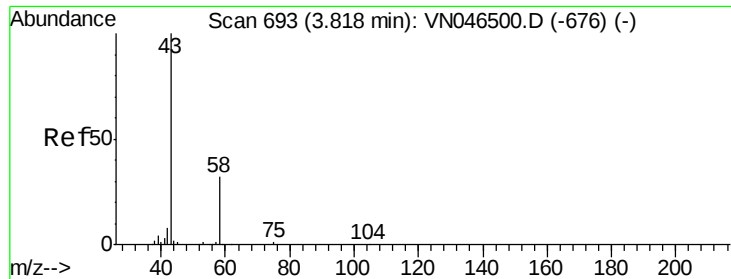
10000

0

Time-->

4.90 5.00 5.10 5.20





#15

Acetone

Concen: 107.83 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

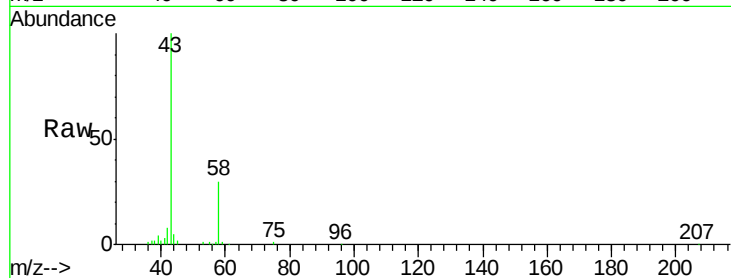
VN0124WBS01

Tgt Ion: 58 Resp: 36755

Ion Ratio Lower Upper

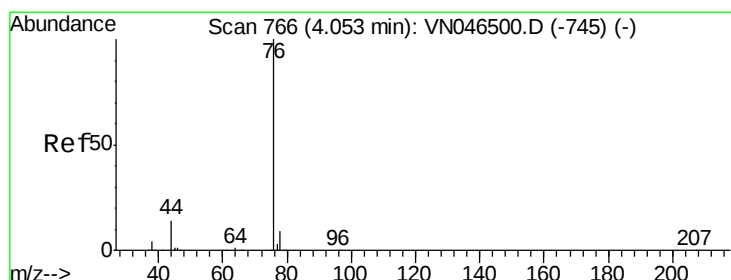
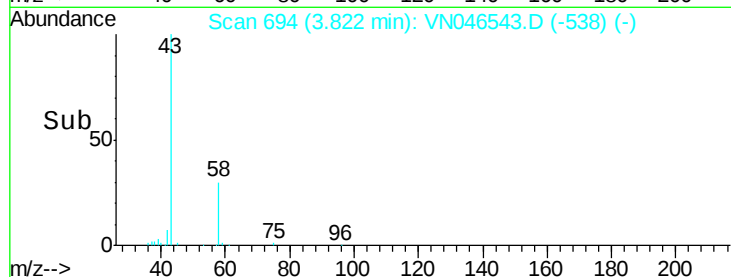
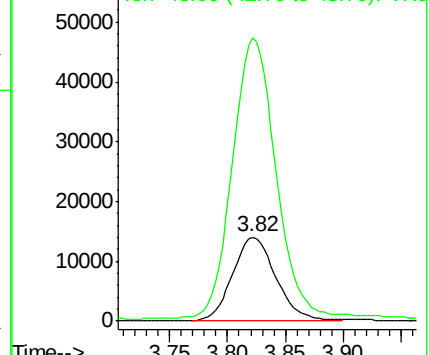
58 100

43 331.2 285.3 427.9



Abundance Ion 58.00 (57.70 to 58.70): VN046500.D (-676) (-)

Ion 43.00 (42.70 to 43.70): VN046500.D (-676) (-)



#16

Carbon Disulfide

Concen: 19.08 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN046543.D

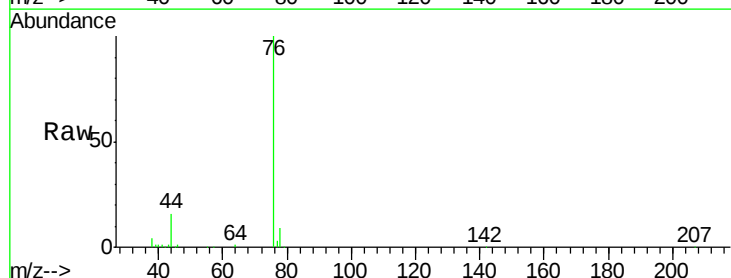
Acq: 24 Jan 2018 13:27

Tgt Ion: 76 Resp: 151858

Ion Ratio Lower Upper

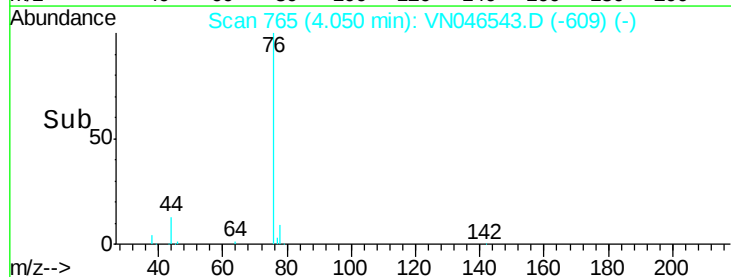
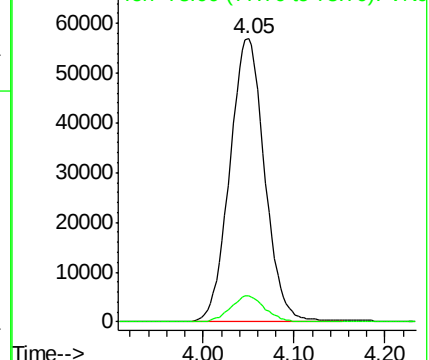
76 100

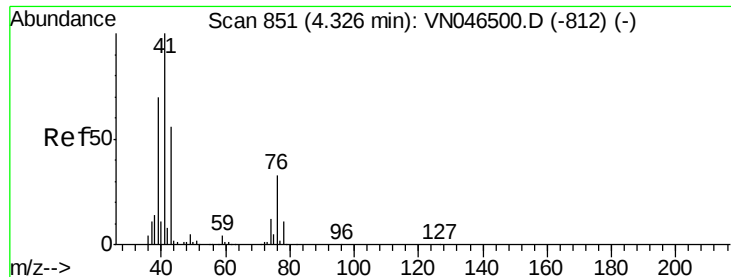
78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VN046500.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN046500.D (-745) (-)

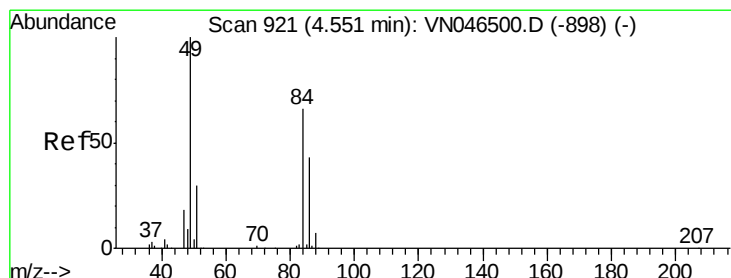
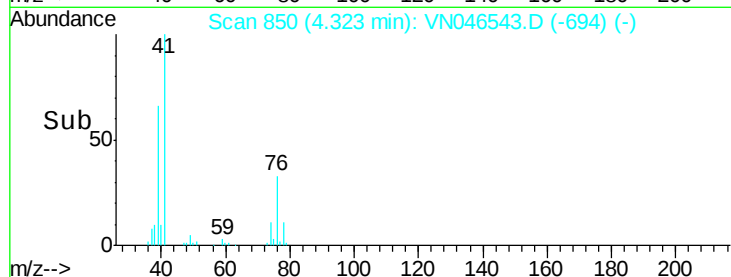
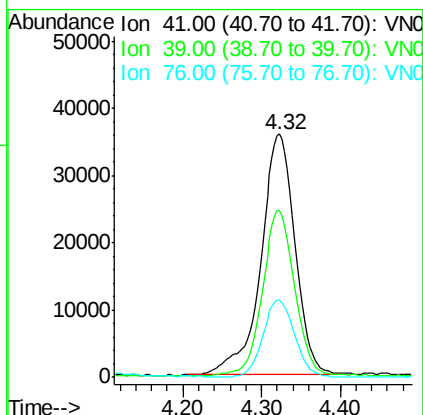
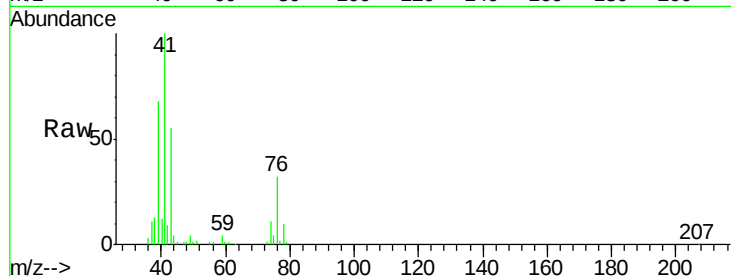




#17
 Allyl chloride
 Concen: 19.69 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

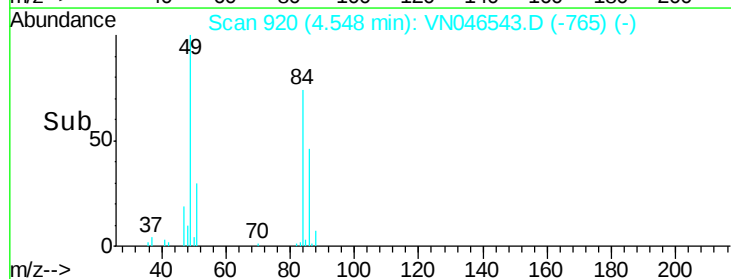
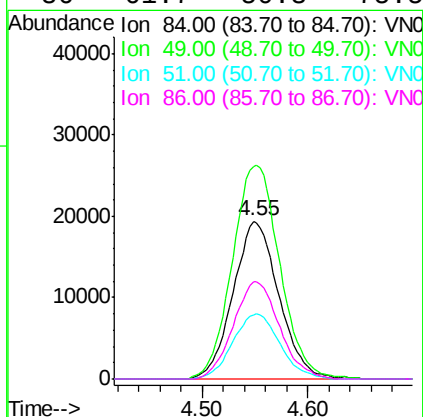
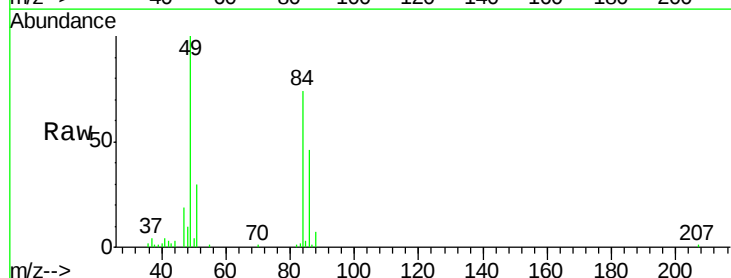
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

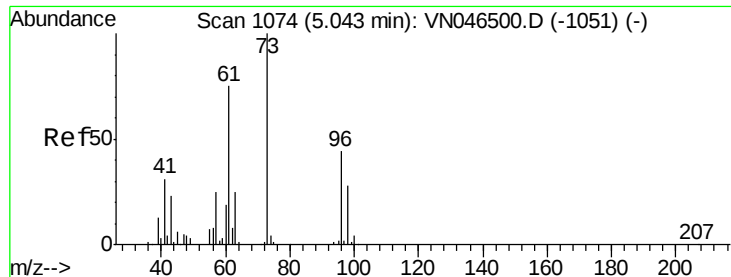
Tgt Ion: 41 Resp: 109540
 Ion Ratio Lower Upper
 41 100
 39 68.7 33.5 100.4
 76 32.2 15.9 47.7



#18
 Methylene Chloride
 Concen: 20.61 ug/l
 RT: 4.55 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion: 84 Resp: 58378
 Ion Ratio Lower Upper
 84 100
 49 134.6 113.9 170.9
 51 40.5 36.3 54.5
 86 61.7 50.3 75.5





#19

trans-1,2-Dichloroethene

Concen: 19.74 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

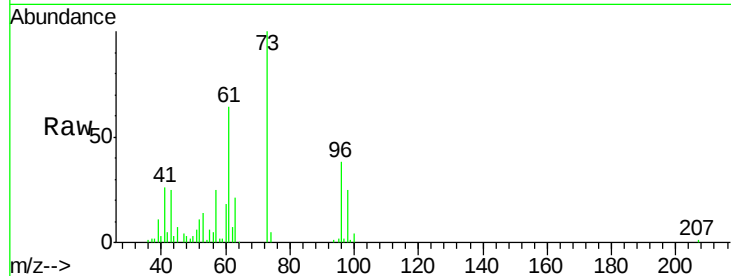
Tgt Ion: 96 Resp: 49145

Ion Ratio Lower Upper

96 100

61 166.3 137.3 205.9

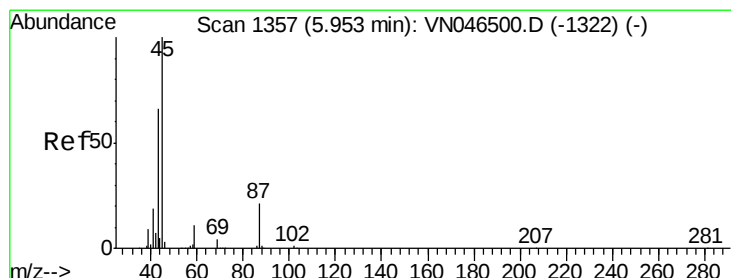
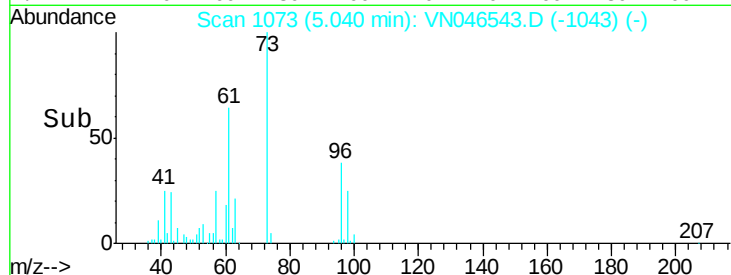
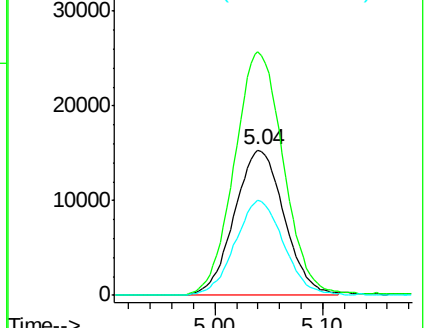
98 65.2 52.3 78.5



Abundance Ion 96.00 (95.70 to 96.70): VN046543.D (-1043) (-)

Ion 61.00 (60.70 to 61.70): VN046543.D (-1043) (-)

Ion 98.00 (97.70 to 98.70): VN046543.D (-1043) (-)



#20

Diisopropyl ether

Concen: 19.49 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Tgt Ion: 45 Resp: 199924

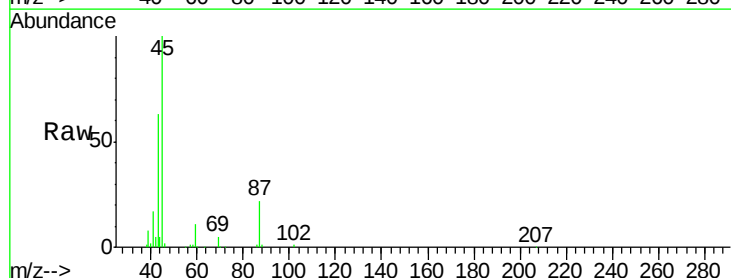
Ion Ratio Lower Upper

45 100

43 56.8 45.1 67.7

87 21.4 16.6 24.8

59 10.6 8.6 12.8

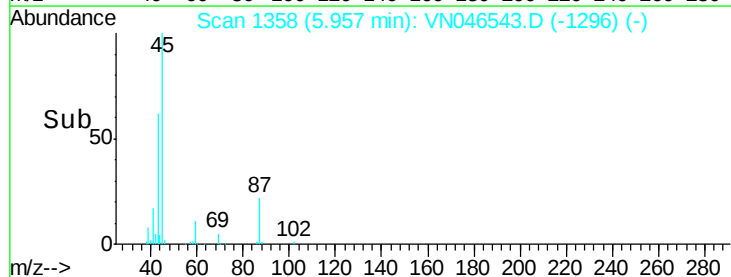
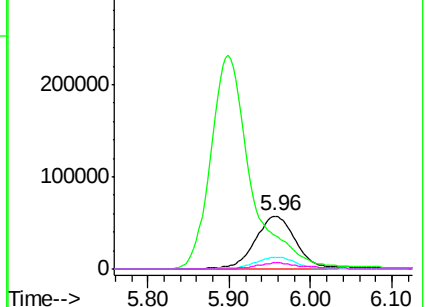


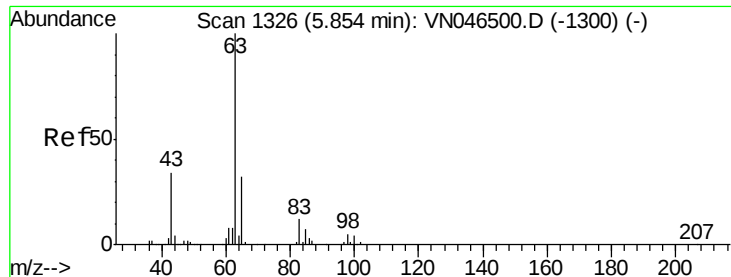
Abundance Ion 45.00 (44.70 to 45.70): VN046543.D (-1296) (-)

Ion 43.00 (42.70 to 43.70): VN046543.D (-1296) (-)

Ion 87.00 (86.70 to 87.70): VN046543.D (-1296) (-)

Ion 59.00 (58.70 to 59.70): VN046543.D (-1296) (-)





#21

1,1-Dichloroethane

Concen: 19.90 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

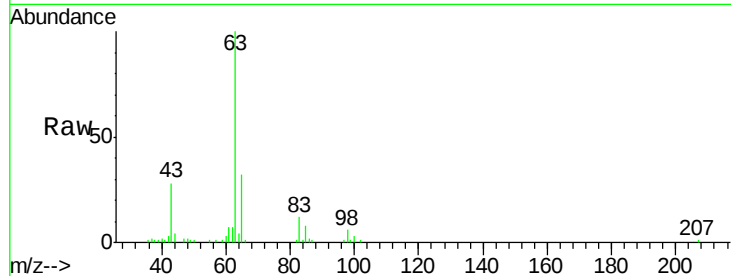
Tgt Ion: 63 Resp: 110785

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.9

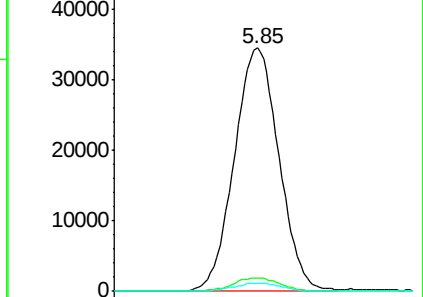
100 3.4 1.7 5.0



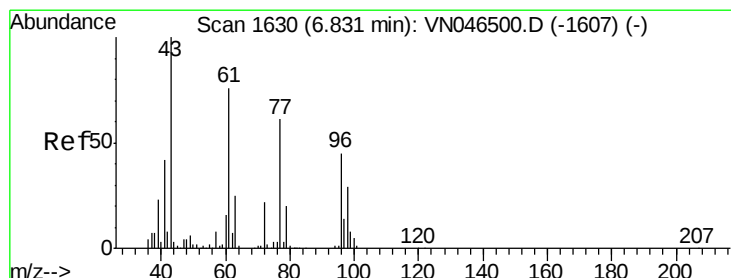
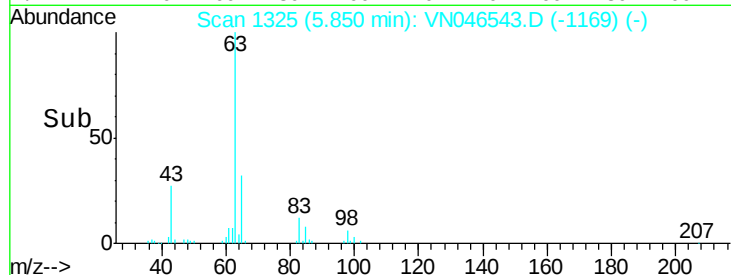
Abundance Ion 63.00 (62.70 to 63.70): VN046500.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VN046500.D (-1300) (-)

Ion 100.00 (99.70 to 100.70): VN046500.D (-1300) (-)



Time-->



#22

cis-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

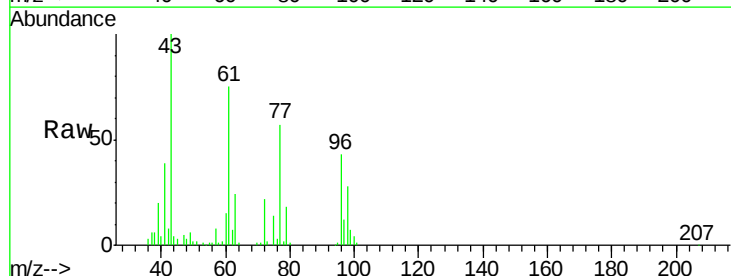
Tgt Ion: 96 Resp: 57919

Ion Ratio Lower Upper

96 100

61 175.2 141.3 211.9

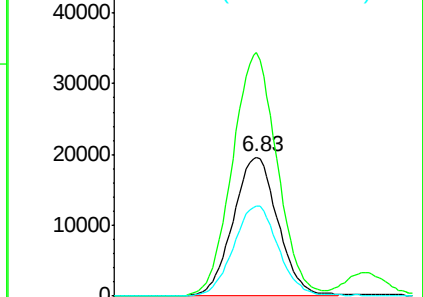
98 64.9 51.0 76.6



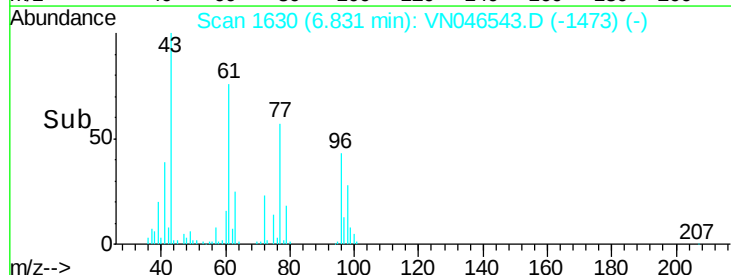
Abundance Ion 96.00 (95.70 to 96.70): VN046500.D (-1607) (-)

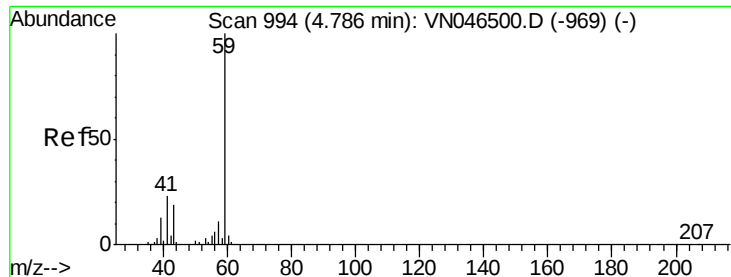
Ion 61.00 (60.70 to 61.70): VN046500.D (-1607) (-)

Ion 98.00 (97.70 to 98.70): VN046500.D (-1607) (-)



Time-->





#23

tert-Butyl Alcohol

Concen: 111.55 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

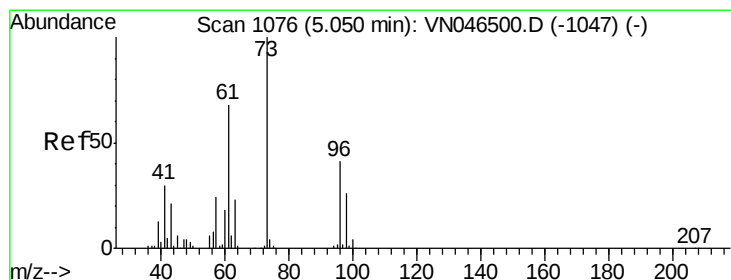
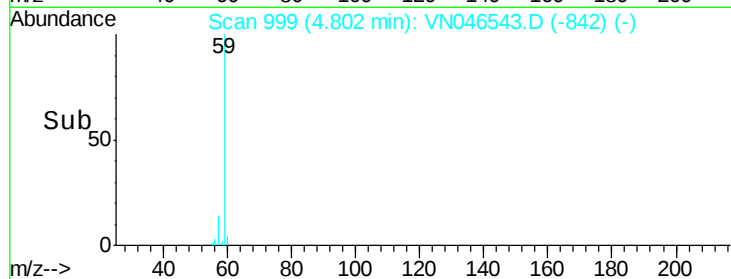
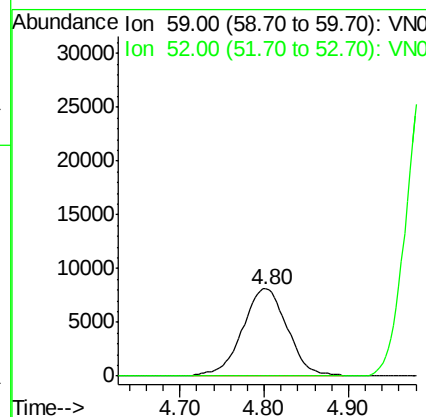
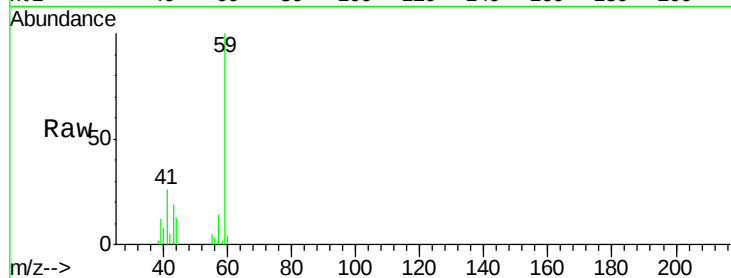
Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tgt Ion: 59 Resp: 30189

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0



#24

Methyl tert-Butyl Ether

Concen: 21.17 ug/l

RT: 5.05 min Scan# 1076

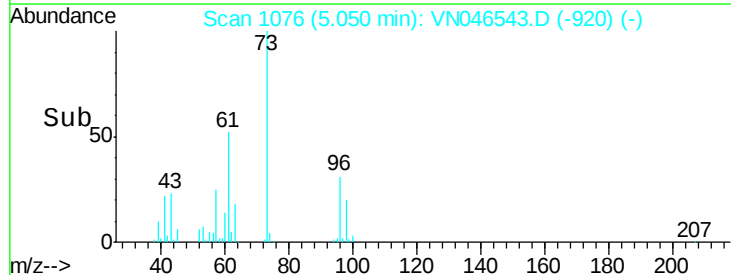
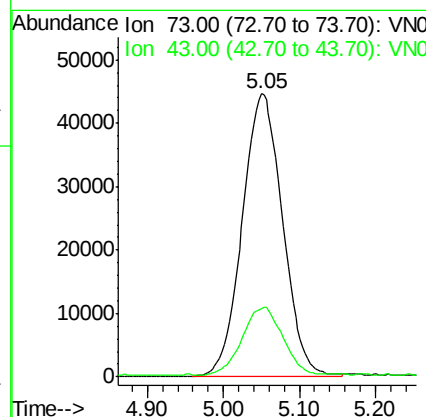
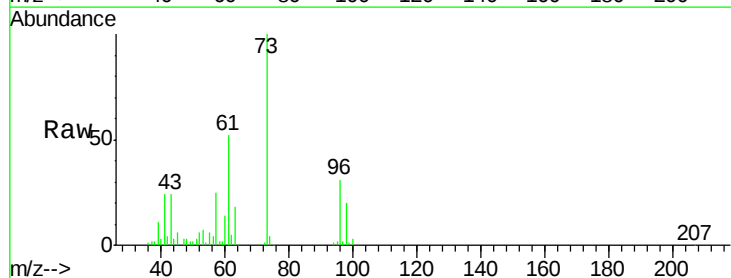
Delta R.T. 0.00 min

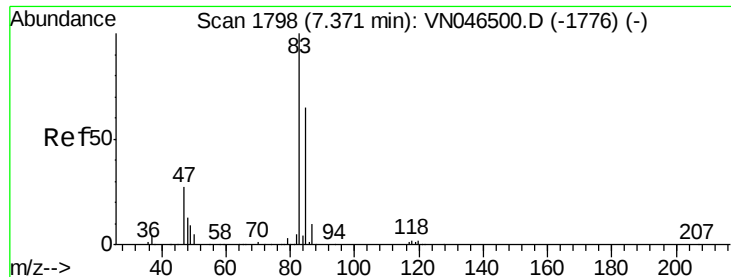
Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Tgt Ion: 73 Resp: 164791

Ion	Ratio	Lower	Upper
73	100		
43	23.9	19.0	28.6

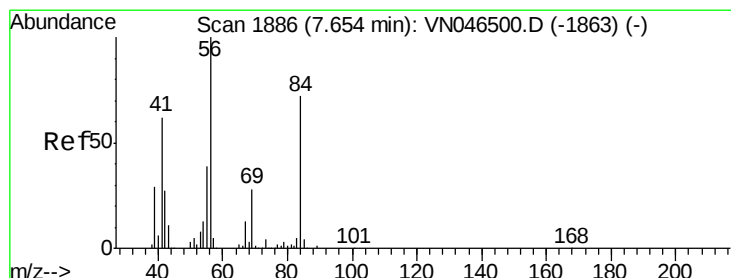
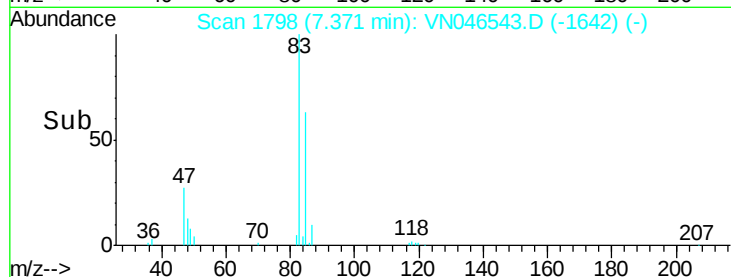
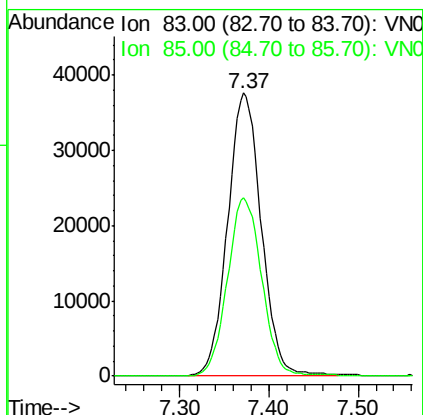
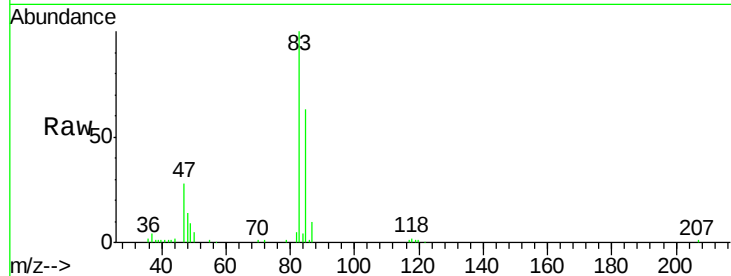




#25
Chloroform
Concen: 20.19 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

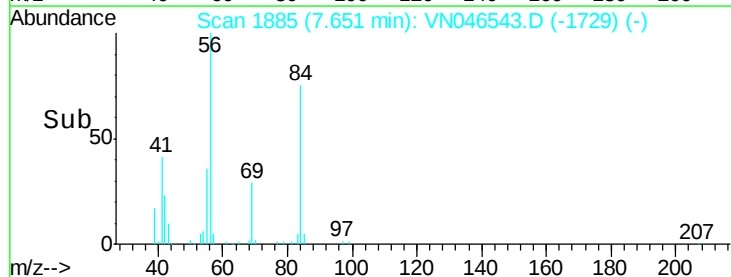
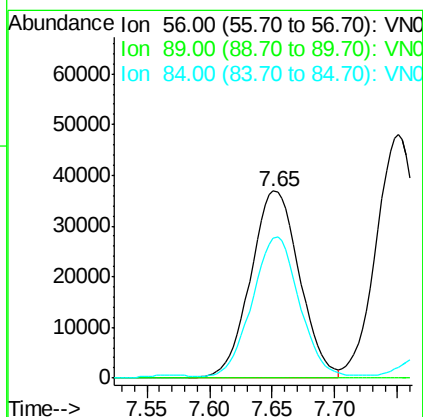
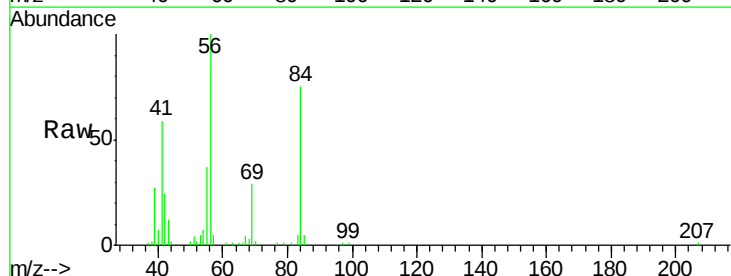
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

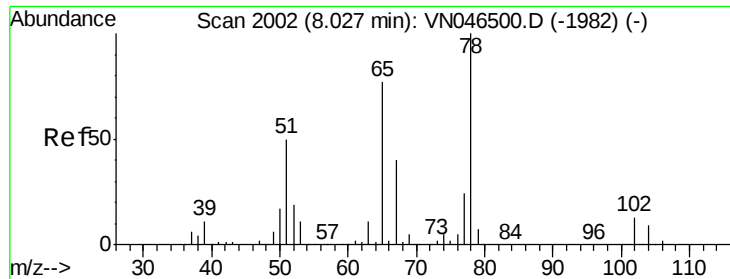
Tgt Ion: 83 Resp: 98478
Ion Ratio Lower Upper
83 100
85 63.0 51.4 77.0



#26
Cyclohexane
Concen: 18.78 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 56 Resp: 100401
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 71.5 56.8 85.2





#27

1,2-Dichloroethane-d4

Concen: 30.13 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

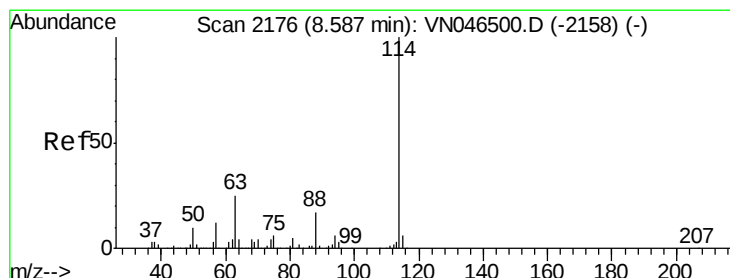
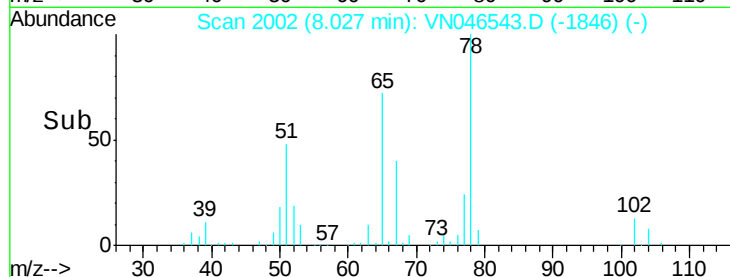
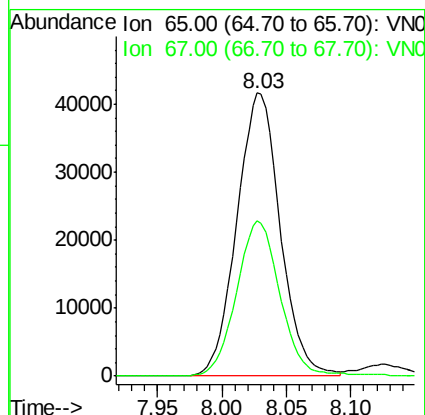
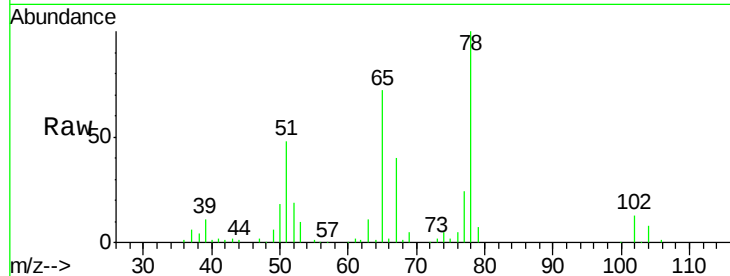
VN0124WBS01

Tgt Ion: 65 Resp: 97640

Ion Ratio Lower Upper

65 100

67 55.0 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: VN046543.D

Acq: 24 Jan 2018 13:27

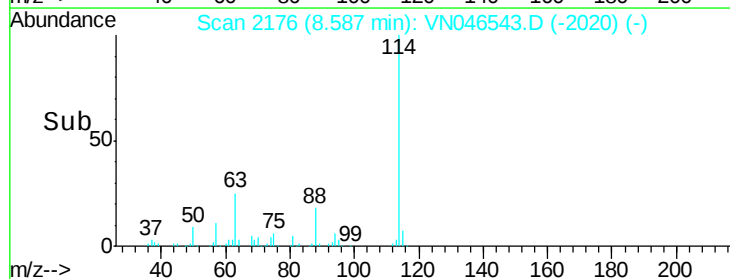
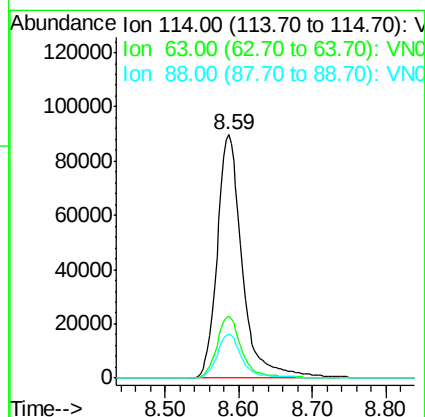
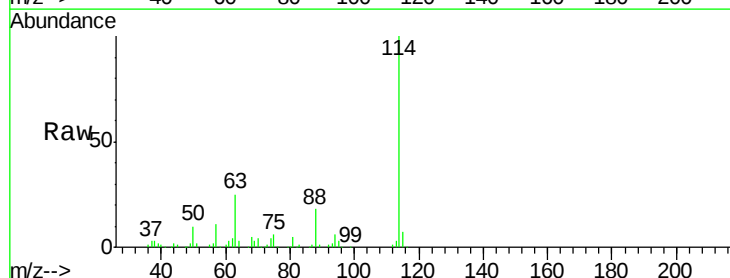
Tgt Ion: 114 Resp: 211820

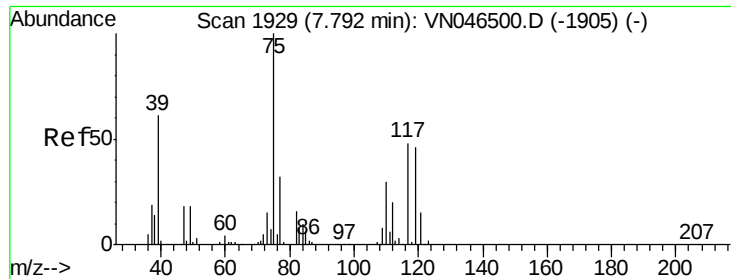
Ion Ratio Lower Upper

114 100

63 24.7 20.2 30.4

88 17.8 14.2 21.2

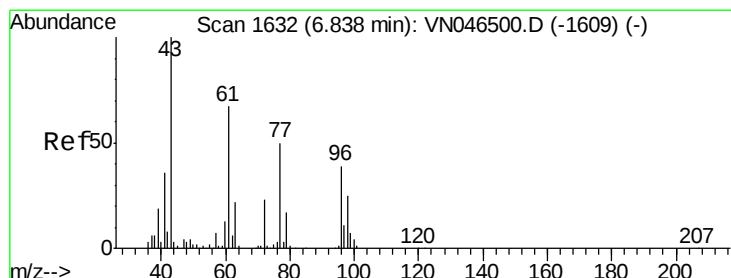
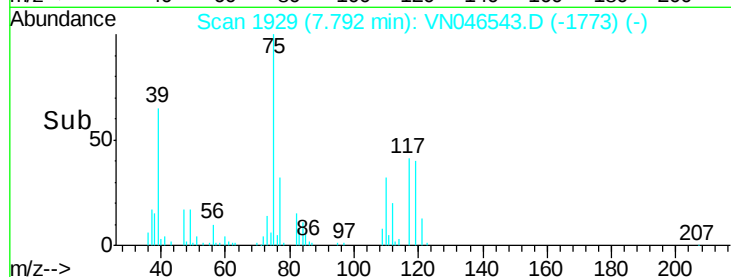
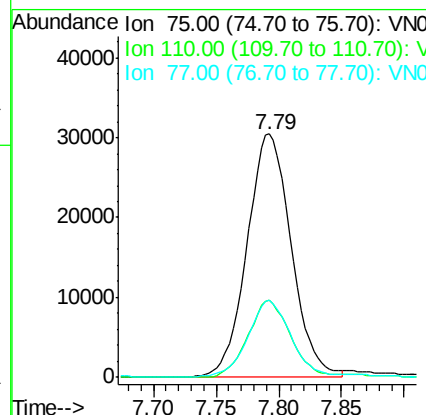
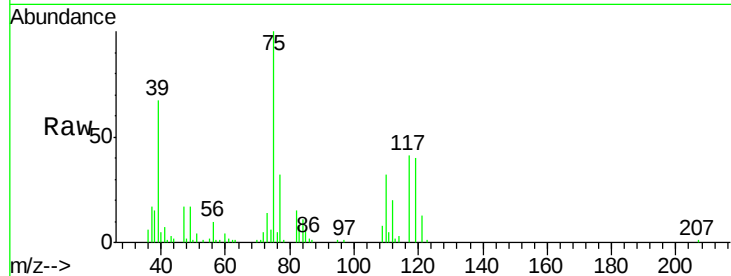




#29
 1,1-Dichloropropene
 Concen: 19.19 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

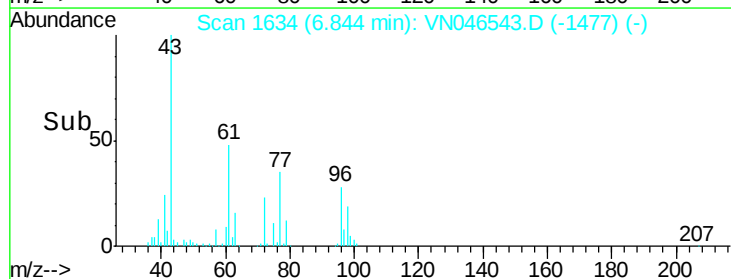
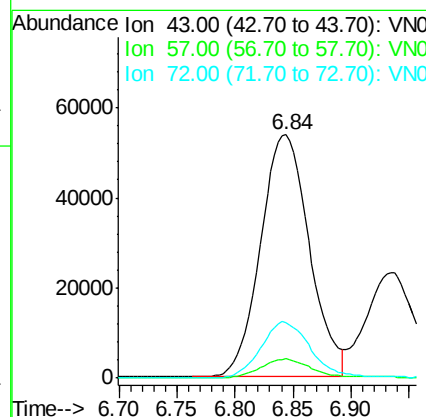
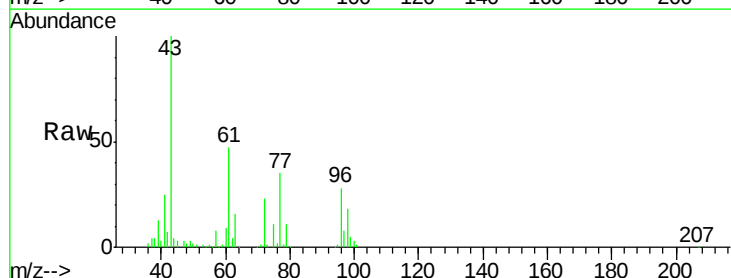
Instrument :
 MSVOA_N
 ClientSampled :
 VN0124WBS01

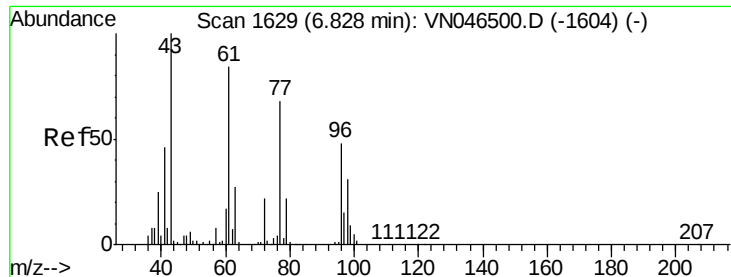
Tgt Ion: 75 Resp: 74862
 Ion Ratio Lower Upper
 75 100
 110 30.6 0.0 61.0
 77 31.3 0.0 63.2



#30
 2-Butanone
 Concen: 110.06 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion: 43 Resp: 157548
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.8 10.2
 72 23.9 18.9 28.3





#31

2,2-Dichloropropane

Concen: 19.79 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

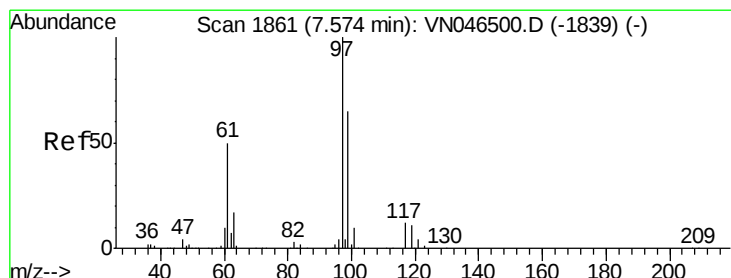
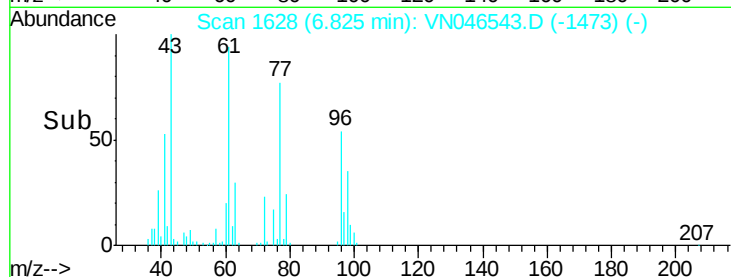
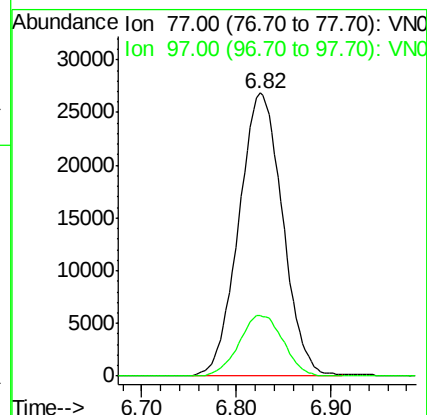
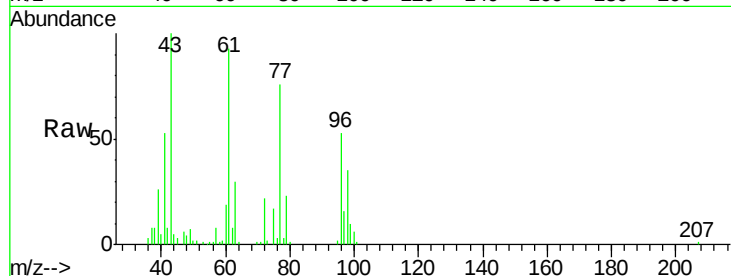
VN0124WBS01

Tgt Ion: 77 Resp: 86252

Ion Ratio Lower Upper

77 100

97 21.6 17.2 25.8



#32

1,1,1-Trichloroethane

Concen: 20.07 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

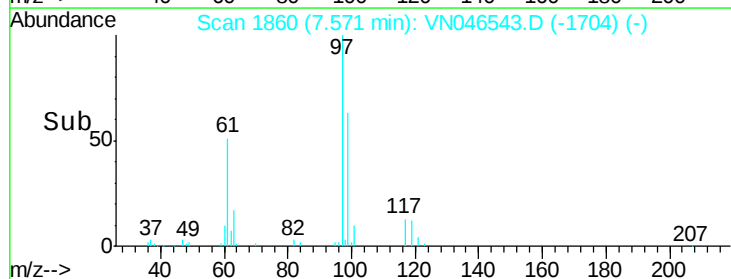
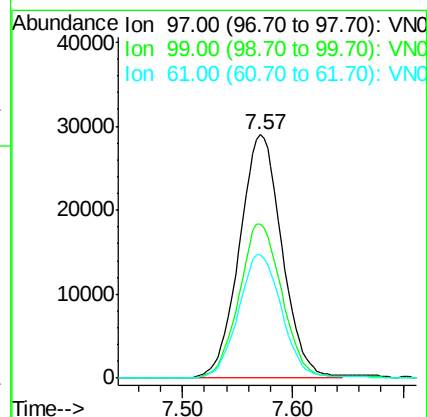
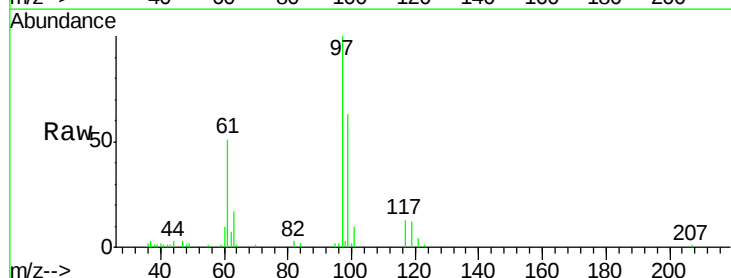
Tgt Ion: 97 Resp: 77459

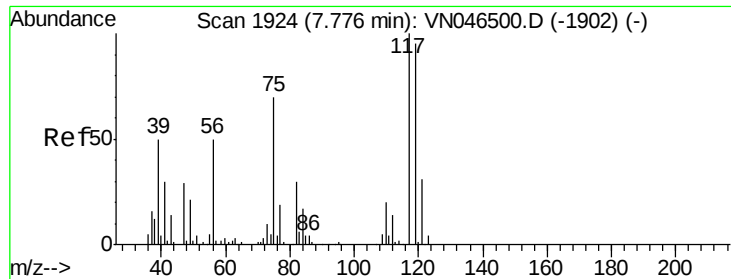
Ion Ratio Lower Upper

97 100

99 63.9 50.4 75.6

61 51.5 41.3 61.9

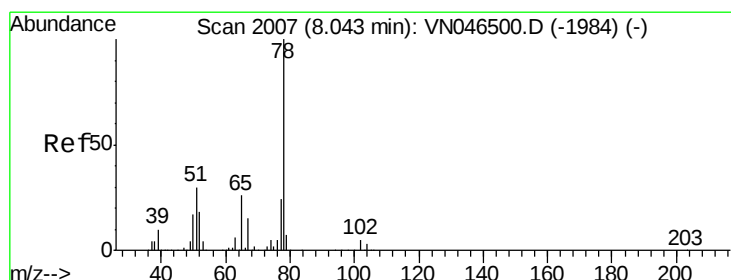
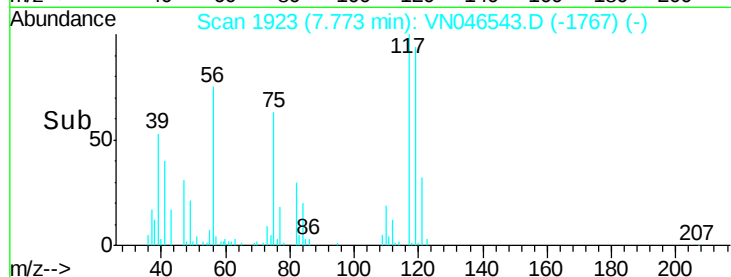
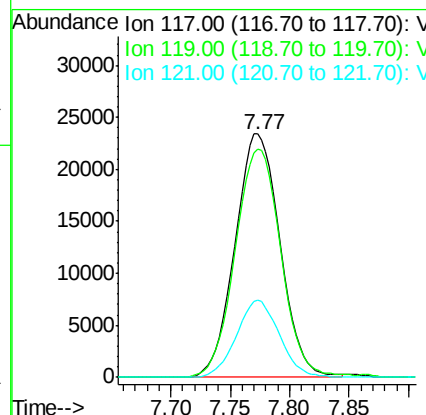
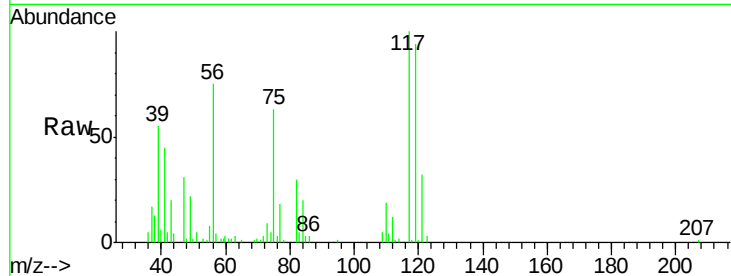




#33
Carbon Tetrachloride
Concen: 19.73 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

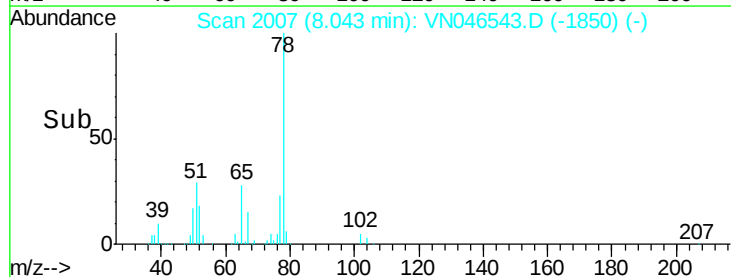
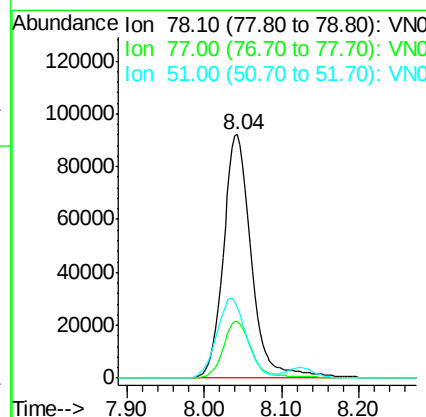
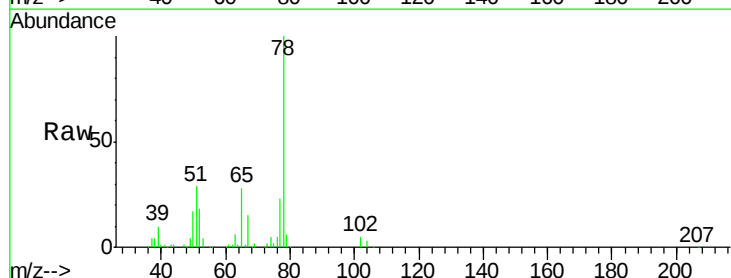
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

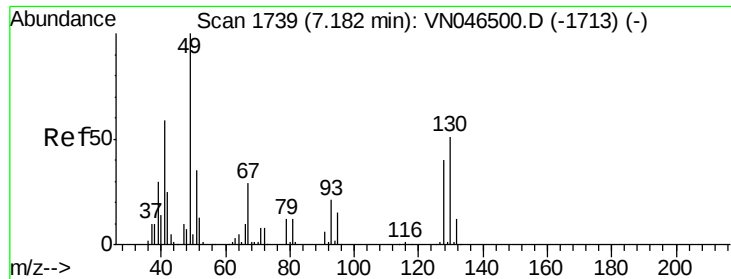
Tgt Ion: 117 Resp: 61253
Ion Ratio Lower Upper
117 100
119 93.0 77.7 116.5
121 31.9 25.1 37.7



#34
Benzene
Concen: 20.77 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 78 Resp: 231999
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2
51 28.7 25.4 38.0

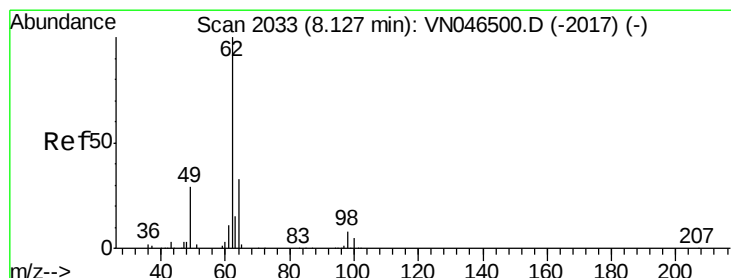
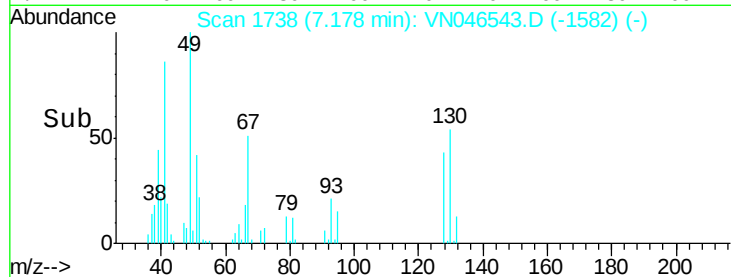
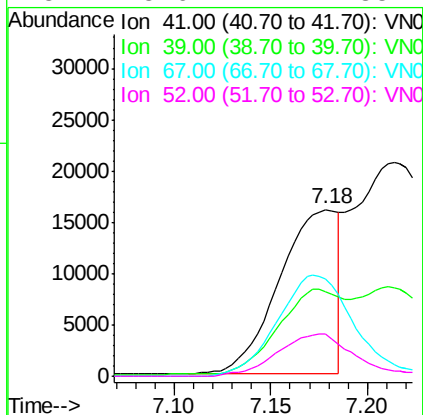
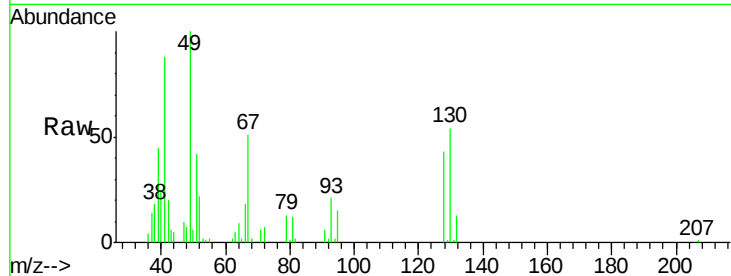




#35
Methacrylonitrile
Concen: 19.98 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

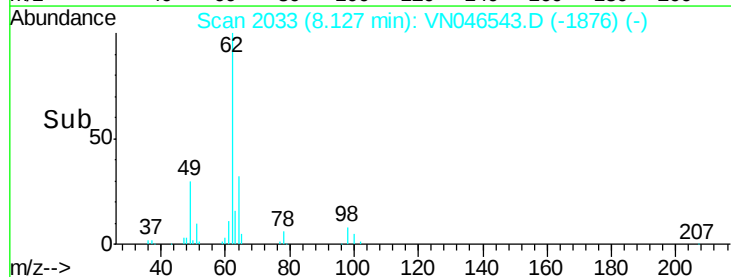
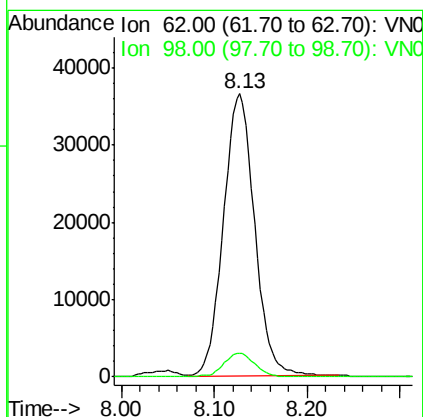
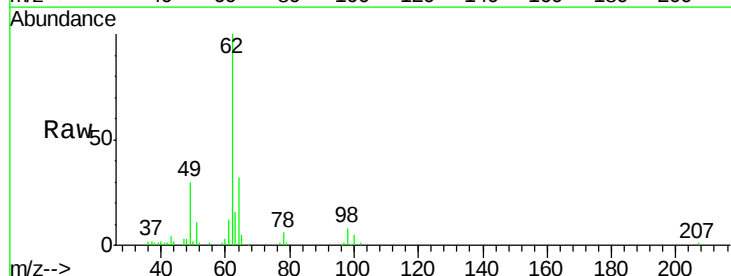
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

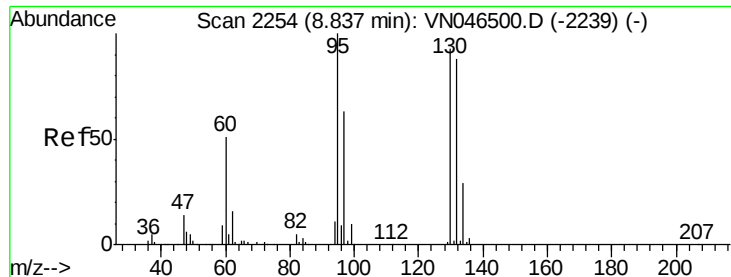
Tgt Ion:	41	Resp:	33478
Ion	Ratio	Lower	Upper
41	100		
39	50.6	26.6	79.8
67	59.7	28.0	83.9
52	25.6	12.7	38.1



#36
1,2-Dichloroethane
Concen: 21.60 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion:	62	Resp:	85445
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.7	10.1

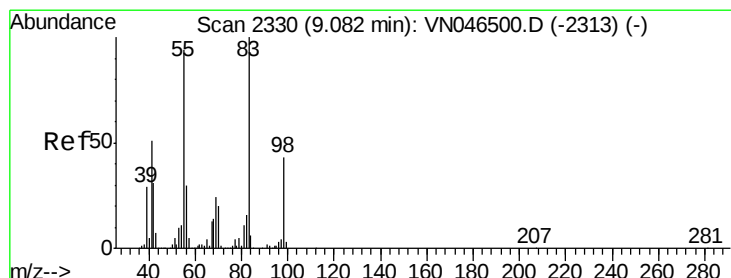
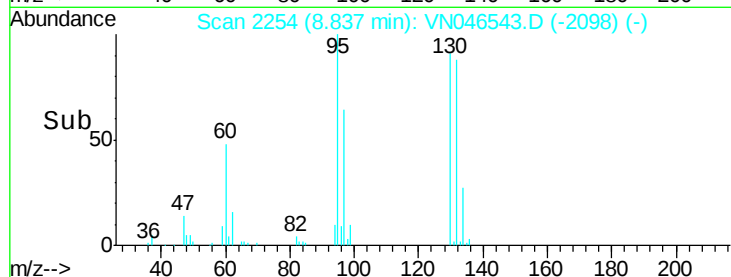
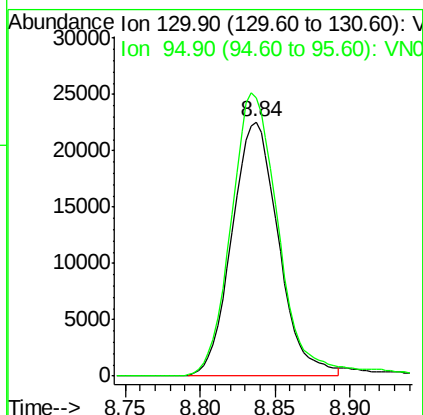
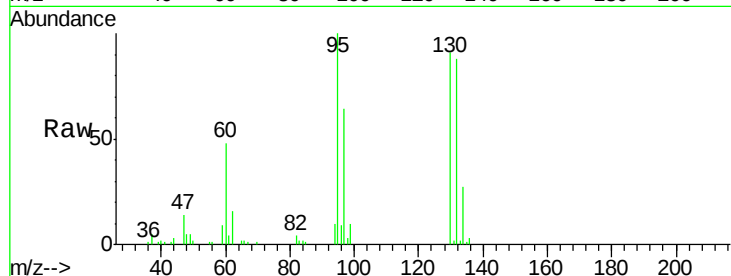




#37
 Trichloroethene
 Concen: 19.50 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

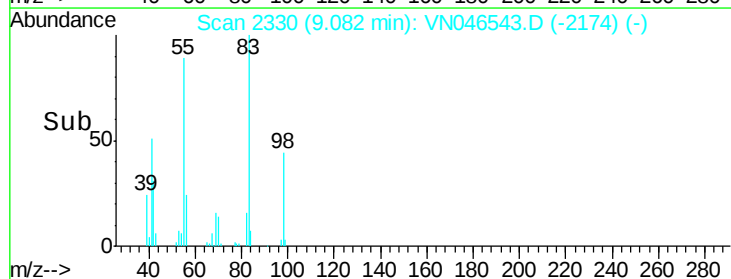
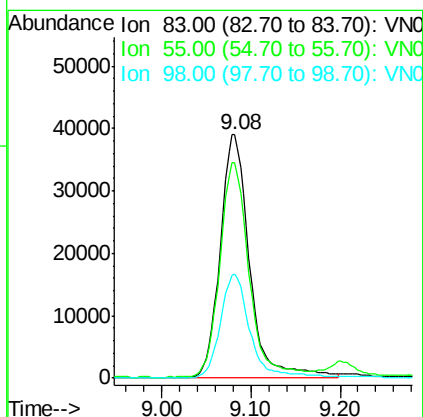
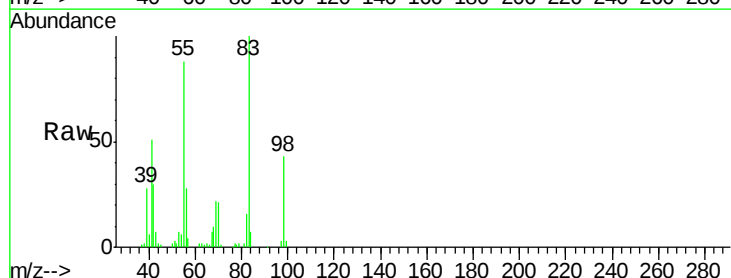
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

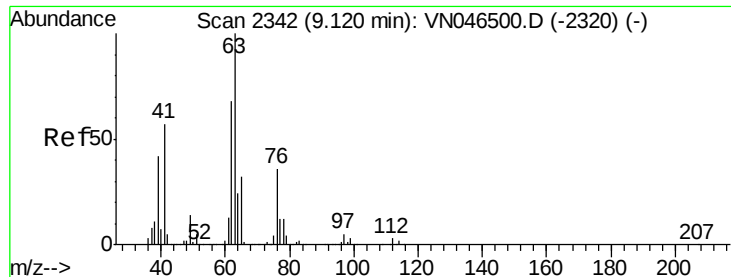
Tgt Ion: 130 Resp: 49043
 Ion Ratio Lower Upper
 130 100
 95 108.9 90.7 136.1



#38
 Methylcyclohexane
 Concen: 19.12 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion: 83 Resp: 89582
 Ion Ratio Lower Upper
 83 100
 55 86.3 43.9 131.6
 98 41.6 21.1 63.4





#39

1,2-Dichloropropane

Concen: 21.24 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

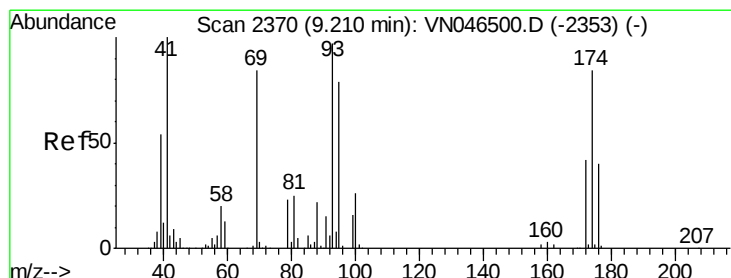
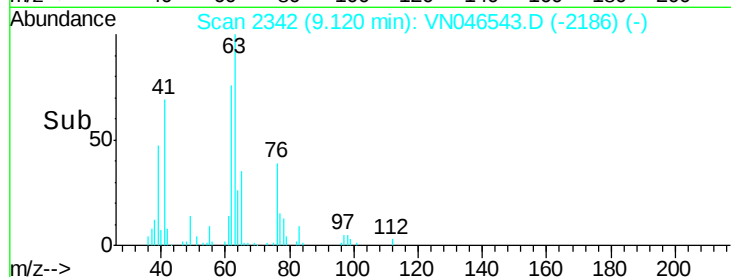
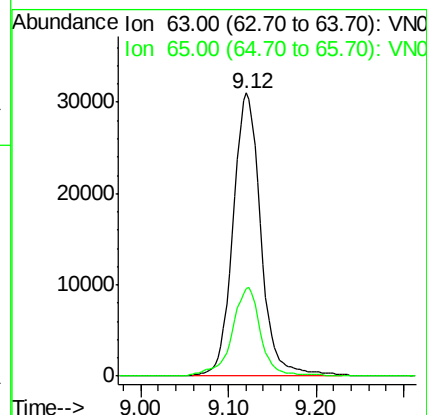
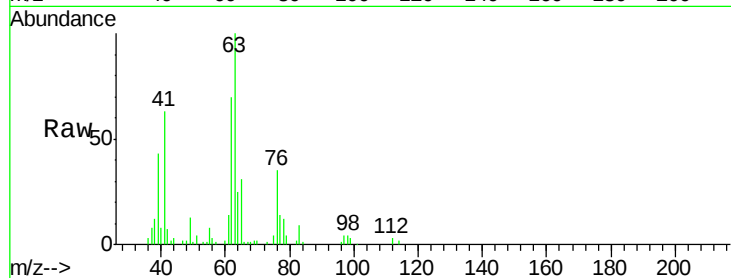
VN0124WBS01

Tgt Ion: 63 Resp: 68545

Ion Ratio Lower Upper

63 100

65 30.8 24.6 37.0



#40

Dibromomethane

Concen: 21.72 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

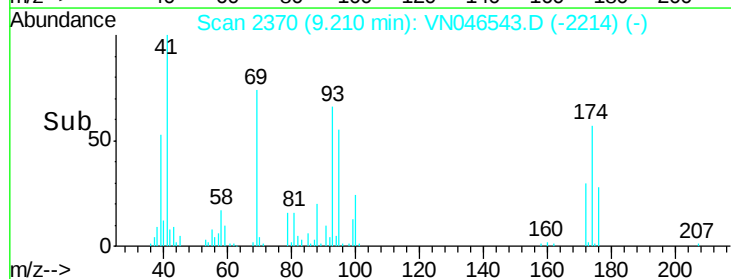
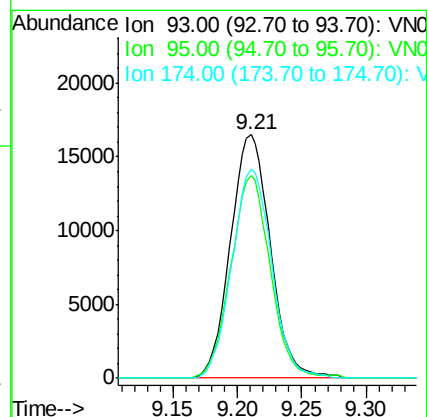
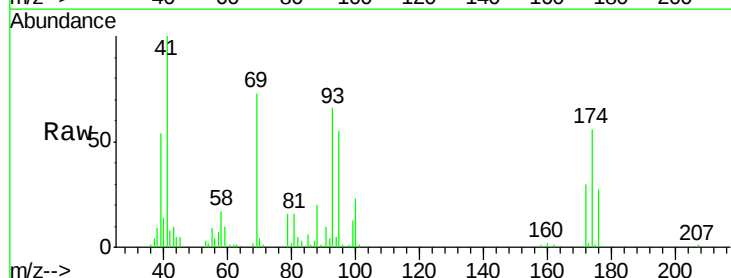
Tgt Ion: 93 Resp: 35477

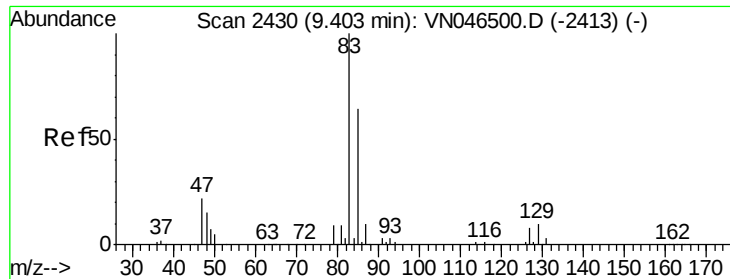
Ion Ratio Lower Upper

93 100

95 82.4 0.0 169.8

174 85.6 0.0 170.4





#41

Bromodichloromethane

Concen: 20.96 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

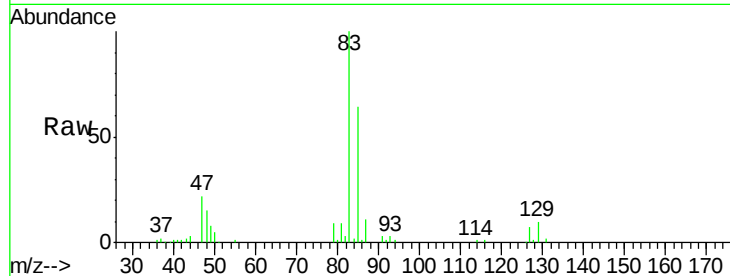
Tgt Ion: 83 Resp: 78186

Ion Ratio Lower Upper

83 100

85 64.1 53.6 80.4

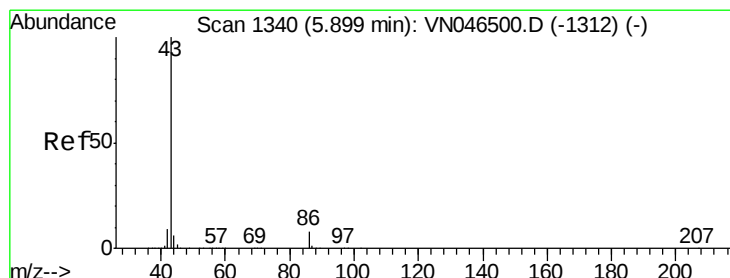
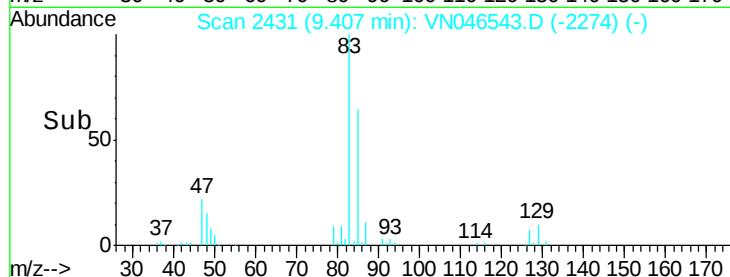
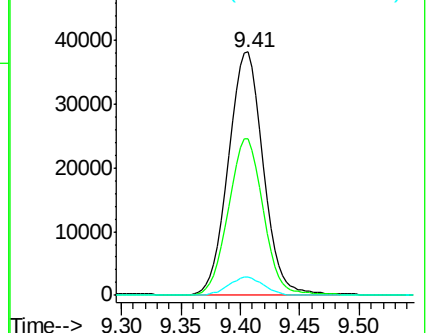
127 7.4 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VN046500.D (-2413) (-)

Ion 85.00 (84.70 to 85.70): VN046500.D (-2413) (-)

Ion 127.00 (126.70 to 127.70): VN046500.D (-2413) (-)



#42

Vinyl Acetate

Concen: 107.59 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN046543.D

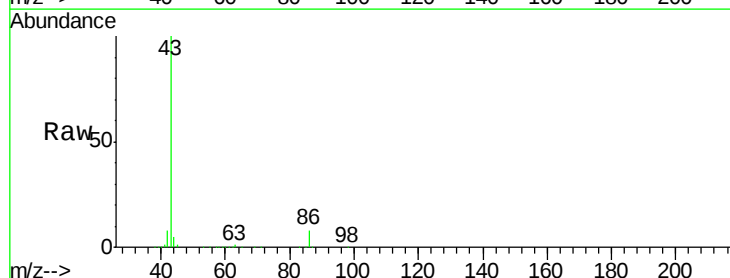
Acq: 24 Jan 2018 13:27

Tgt Ion: 43 Resp: 798867

Ion Ratio Lower Upper

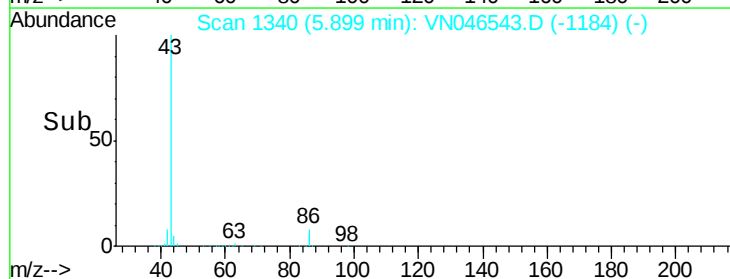
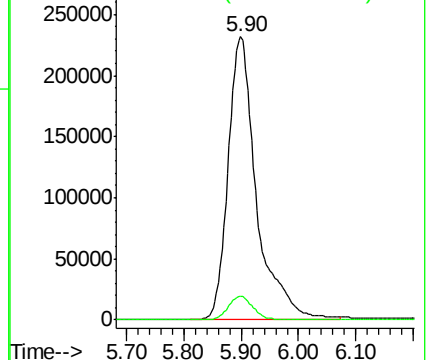
43 100

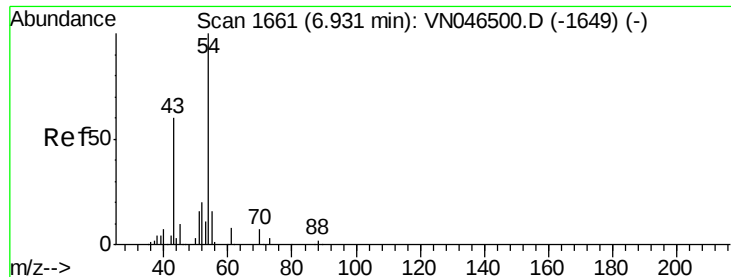
86 7.3 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN046500.D (-1312) (-)

Ion 86.00 (85.70 to 86.70): VN046500.D (-1312) (-)

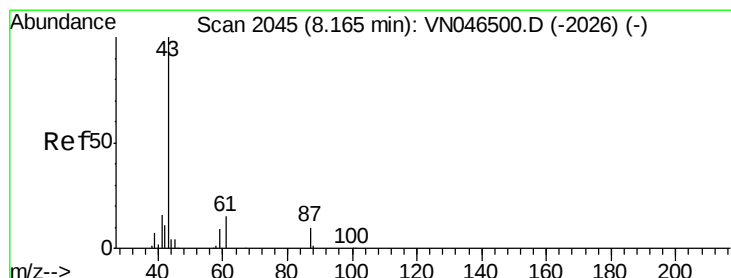
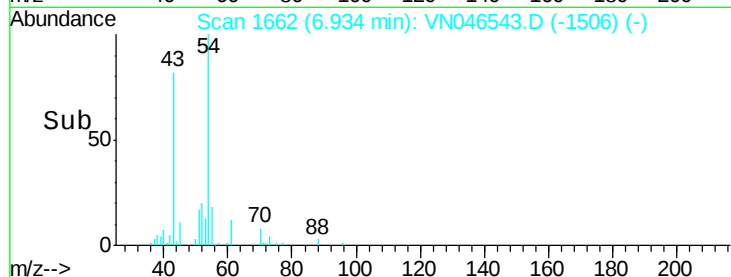
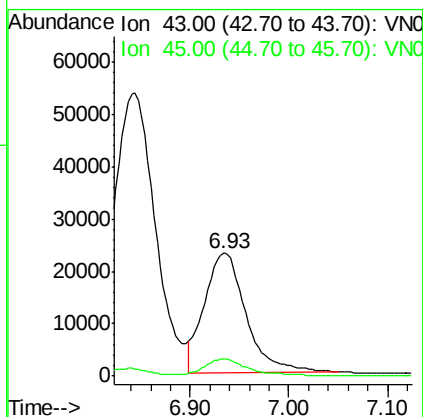
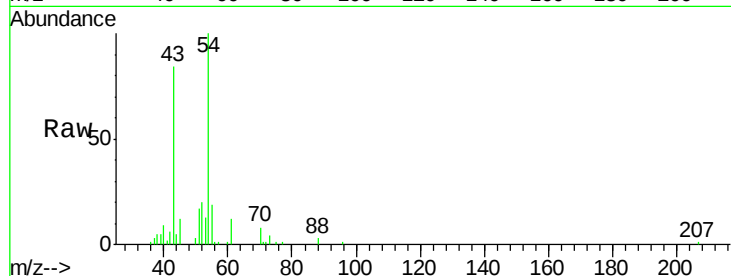




#43
Ethyl Acetate
Concen: 23.56 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

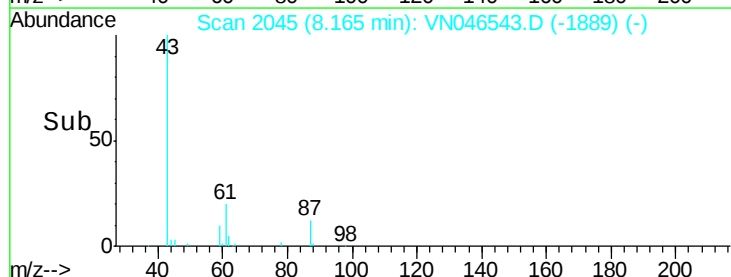
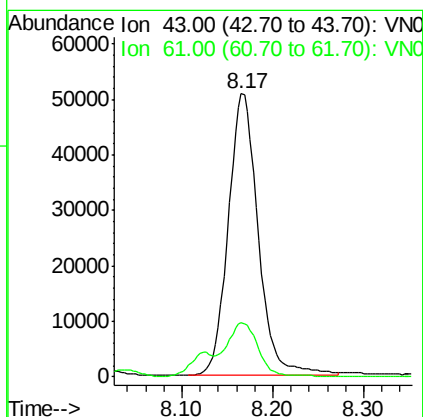
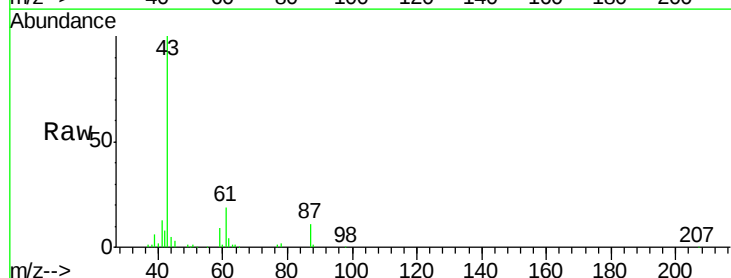
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

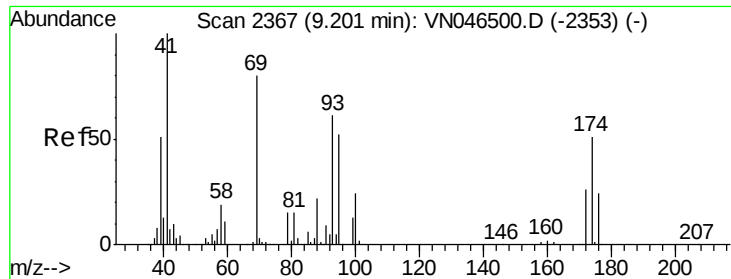
Tgt Ion: 43 Resp: 66920
Ion Ratio Lower Upper
43 100
45 13.8 10.4 15.6



#44
Isopropyl Acetate
Concen: 21.67 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 43 Resp: 116612
Ion Ratio Lower Upper
43 100
61 18.4 15.0 22.6

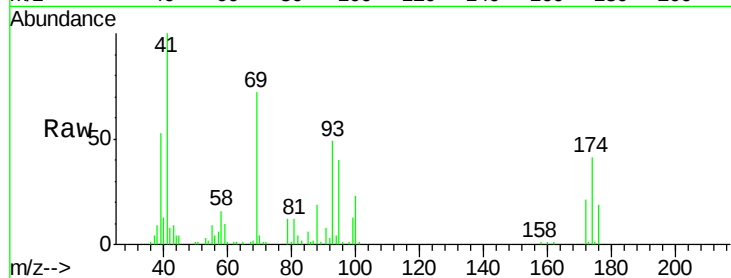




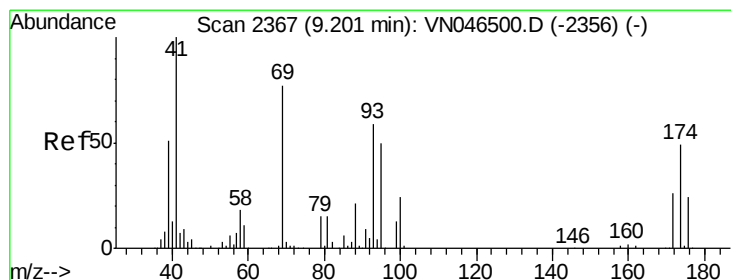
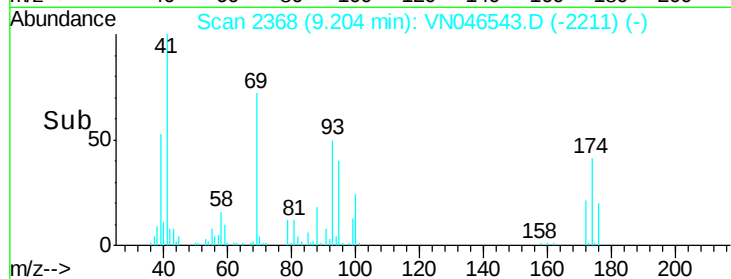
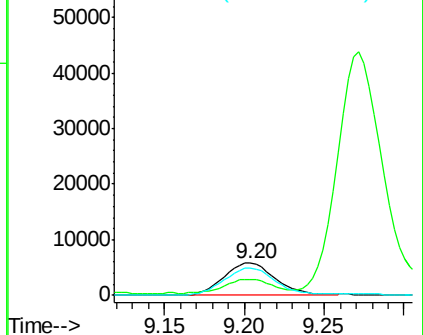
#45
1,4-Dioxane
Concen: 449.50 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

Tgt Ion: 88 Resp: 12835
Ion Ratio Lower Upper
88 100
43 40.3 35.2 52.8
58 84.7 71.2 106.8

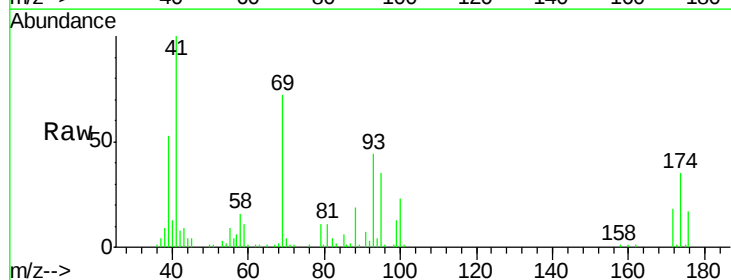


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

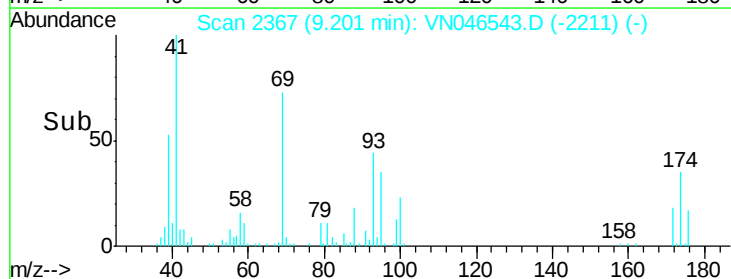
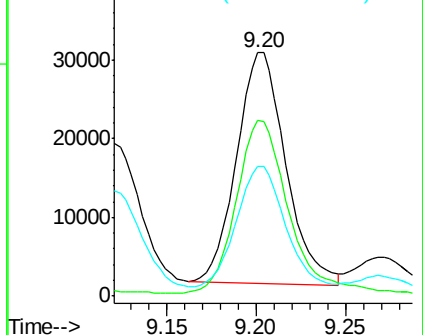


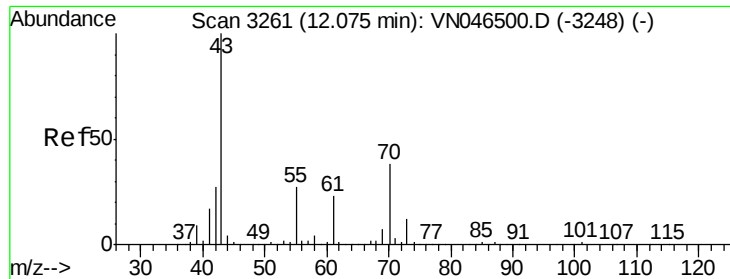
#46
Methyl methacrylate
Concen: 21.25 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 41 Resp: 56728
Ion Ratio Lower Upper
41 100
69 75.2 36.0 108.0
39 52.7 27.6 82.8



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





#47

n-amyl Acetate

Concen: 21.12 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

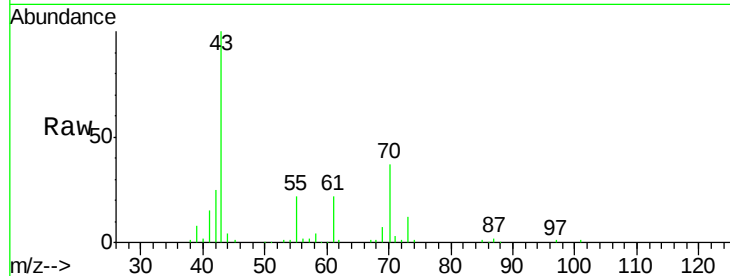
VN0124WBS01

Tgt Ion: 43 Resp: 105013

Ion Ratio Lower Upper

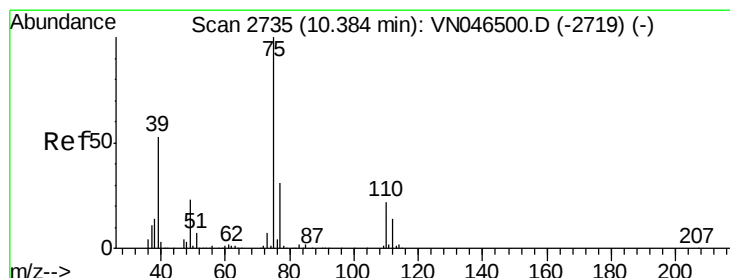
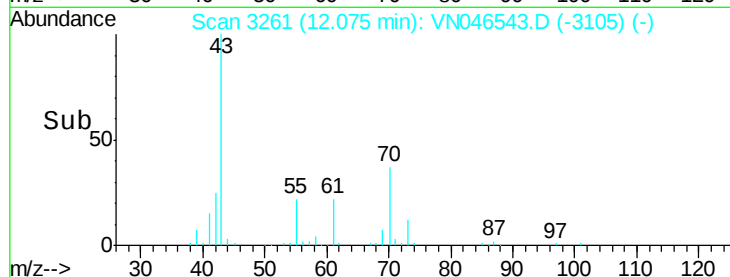
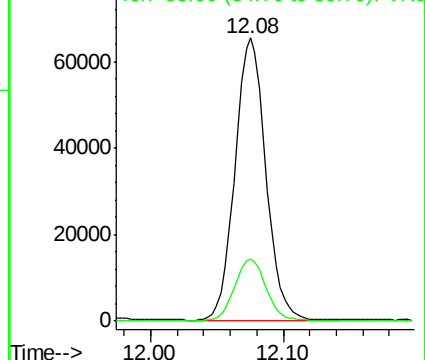
43 100

55 21.9 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 20.13 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN046543.D

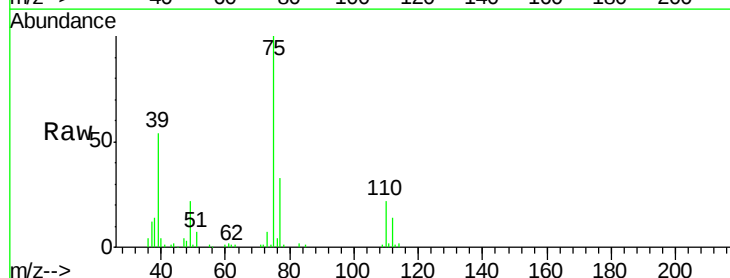
Acq: 24 Jan 2018 13:27

Tgt Ion: 75 Resp: 83593

Ion Ratio Lower Upper

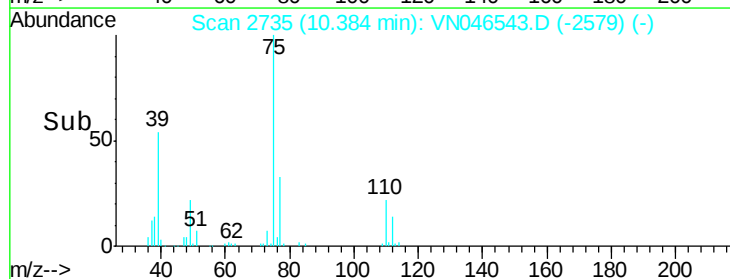
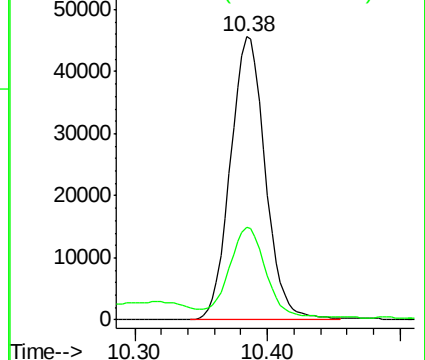
75 100

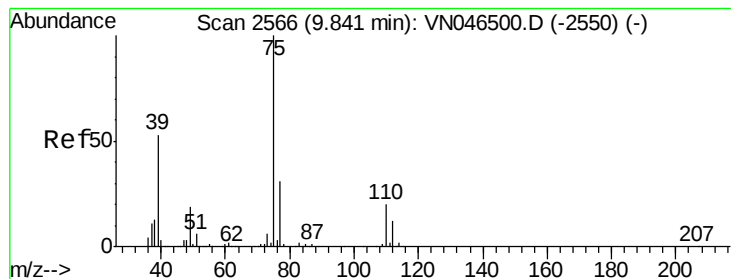
77 31.6 25.0 37.4



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 20.56 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

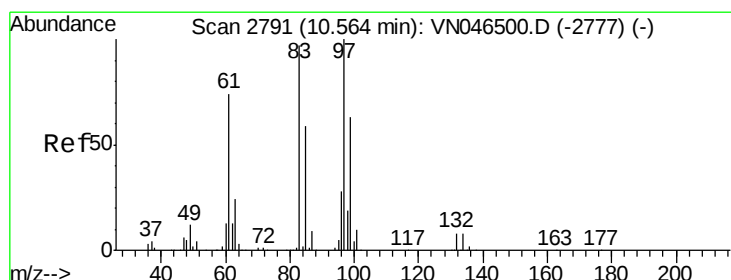
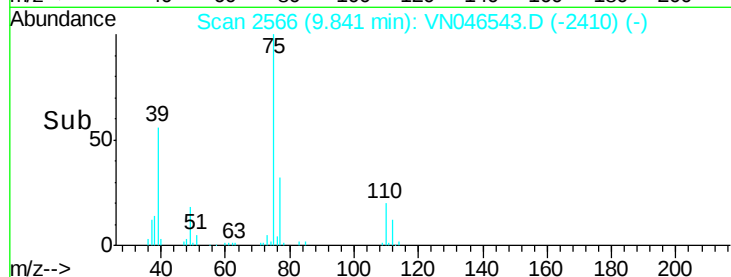
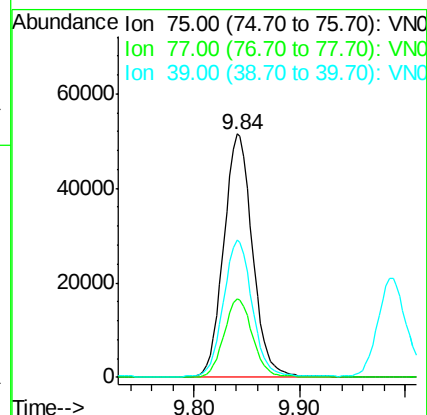
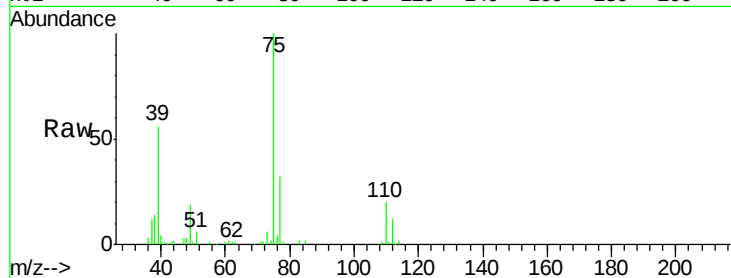
Tgt Ion: 75 Resp: 97731

Ion Ratio Lower Upper

75 100

77 32.2 25.0 37.4

39 55.9 45.1 67.7



#50

1,1,2-Trichloroethane

Concen: 21.97 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Tgt Ion: 97 Resp: 51314

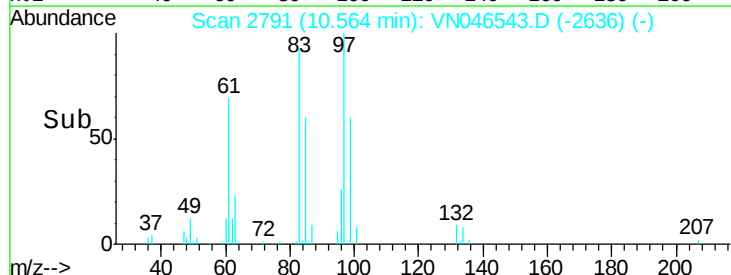
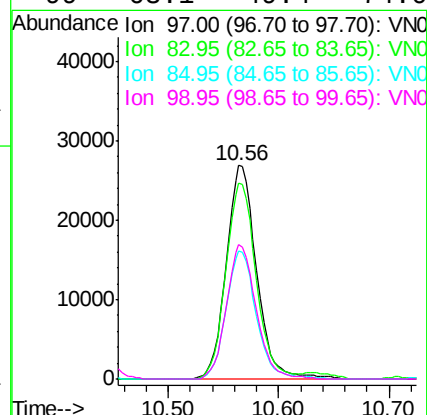
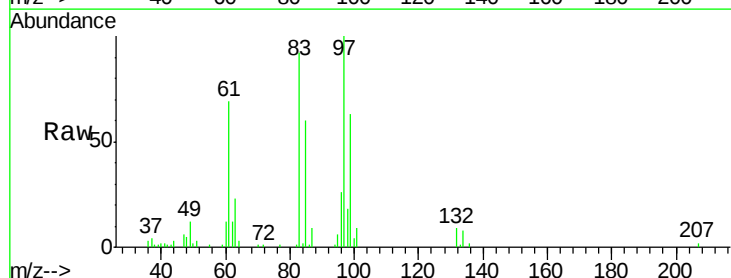
Ion Ratio Lower Upper

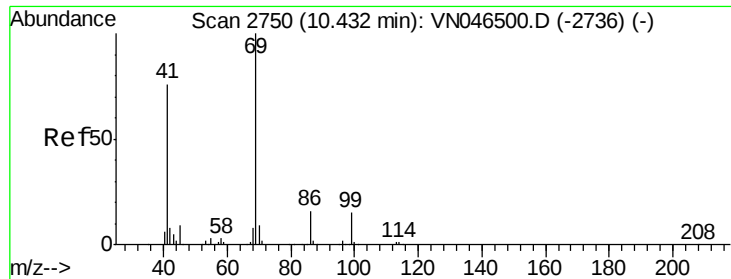
97 100

83 91.8 74.8 112.2

85 59.7 47.5 71.3

99 63.1 49.4 74.0





#51

Ethyl methacrylate

Concen: 21.88 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

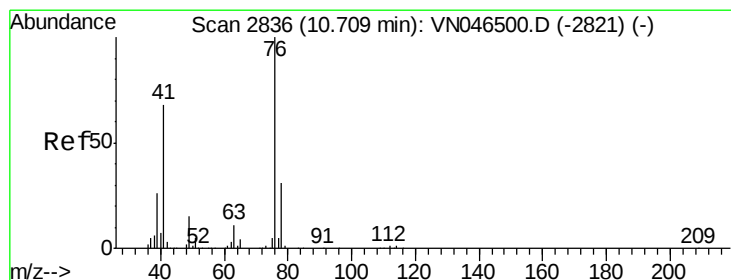
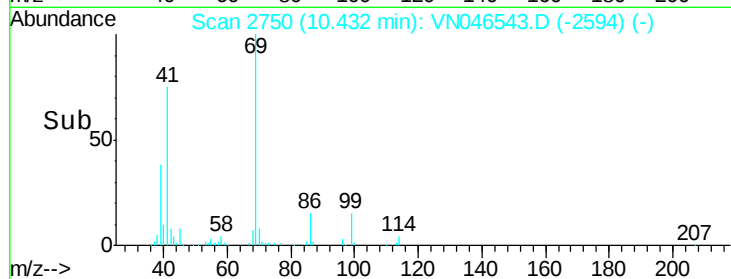
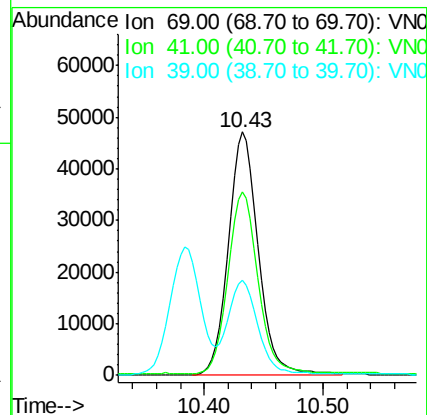
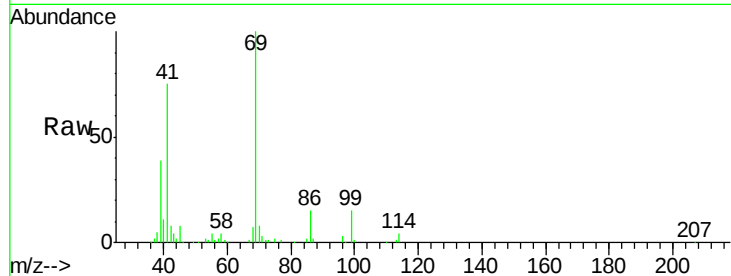
Tgt Ion: 69 Resp: 82273

Ion Ratio Lower Upper

69 100

41 74.7 37.8 113.4

39 38.2 19.3 57.8



#52

1,3-Dichloropropane

Concen: 21.39 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046543.D

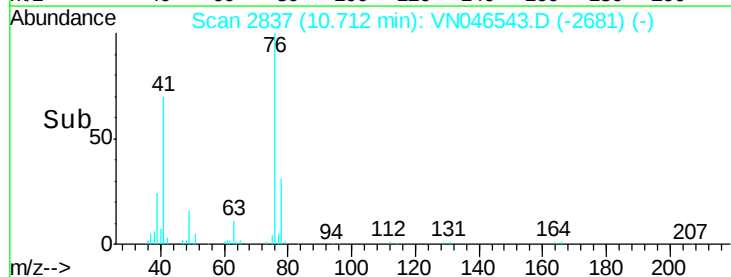
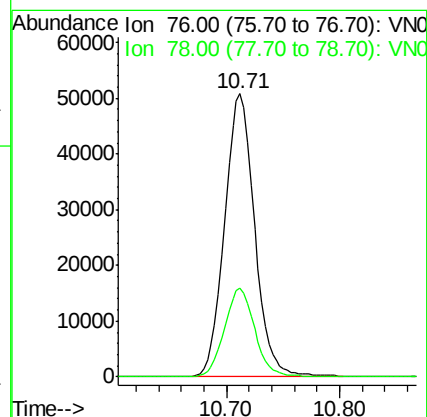
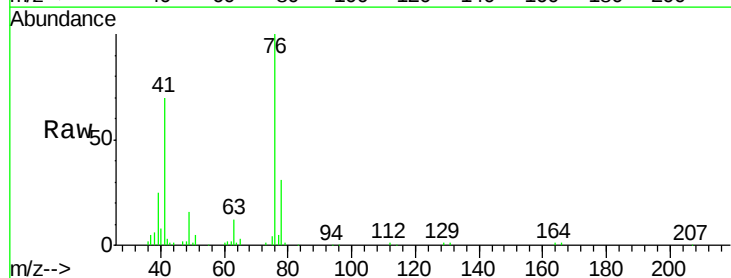
Acq: 24 Jan 2018 13:27

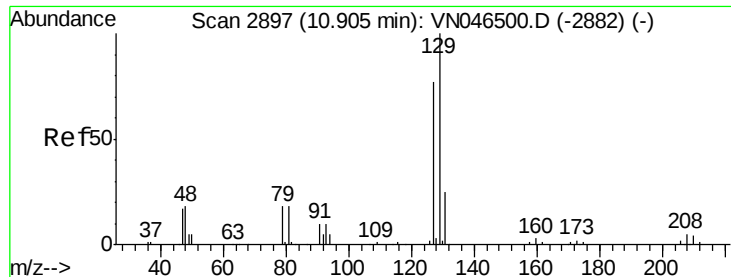
Tgt Ion: 76 Resp: 94054

Ion Ratio Lower Upper

76 100

78 31.5 0.0 63.6

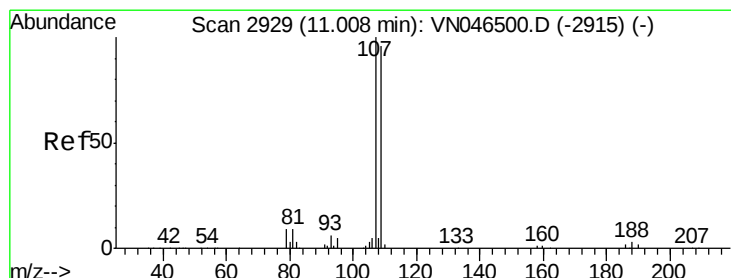
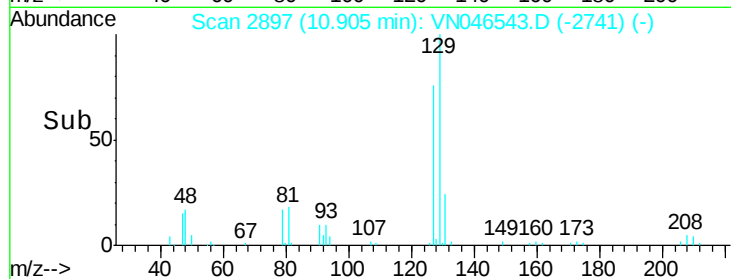
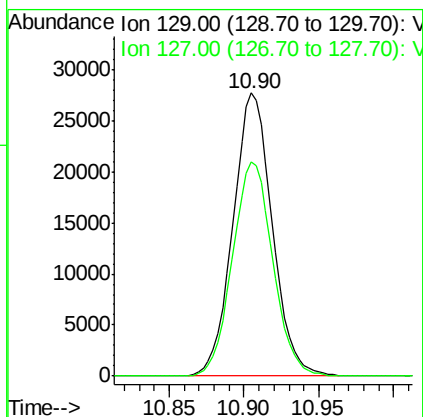
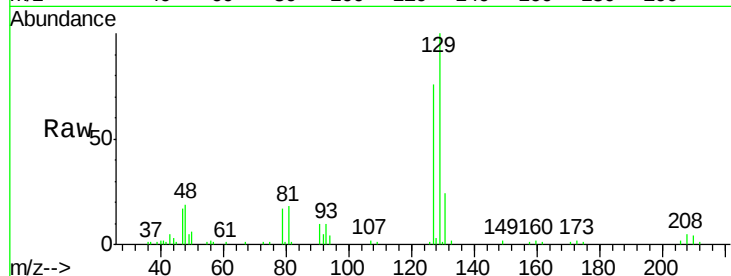




#53
 Dibromochloromethane
 Concen: 21.15 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

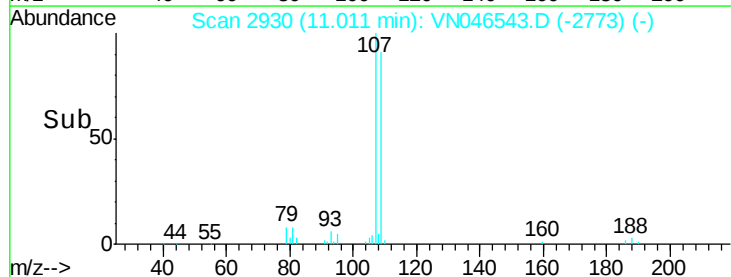
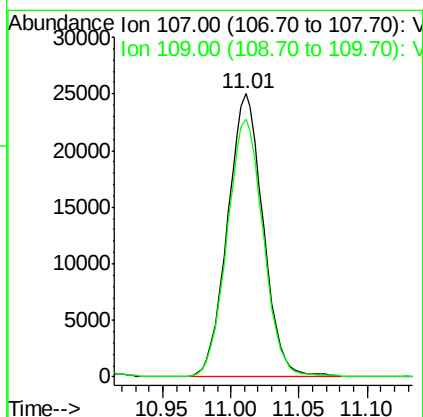
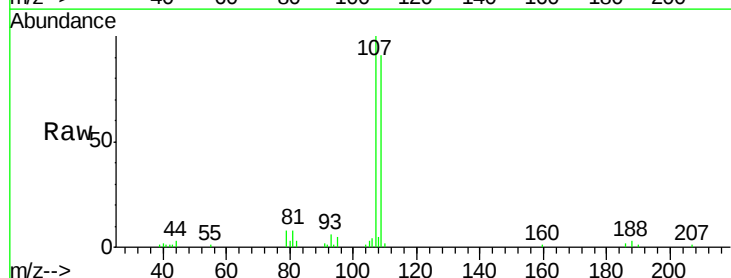
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

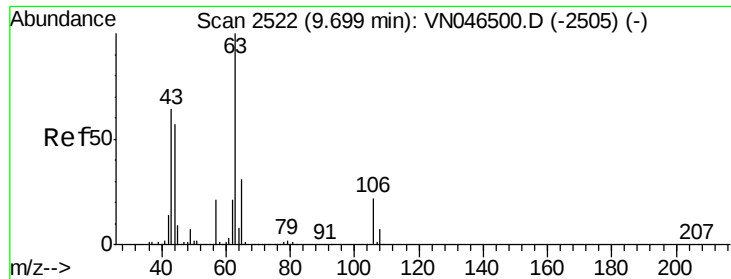
Tgt Ion:129 Resp: 50565
 Ion Ratio Lower Upper
 129 100
 127 77.6 38.6 116.0



#54
 1,2-Dibromoethane
 Concen: 21.55 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion:107 Resp: 45293
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.7 112.1





#55

2-Chloroethyl vinyl ether

Concen: 112.00 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

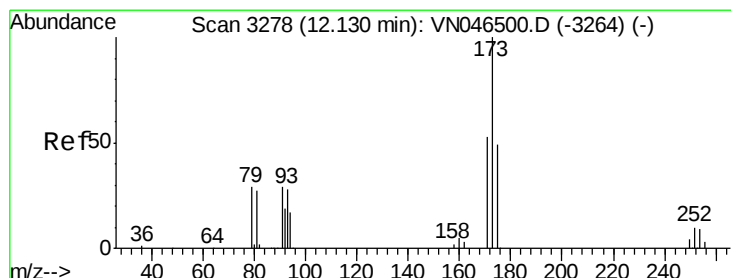
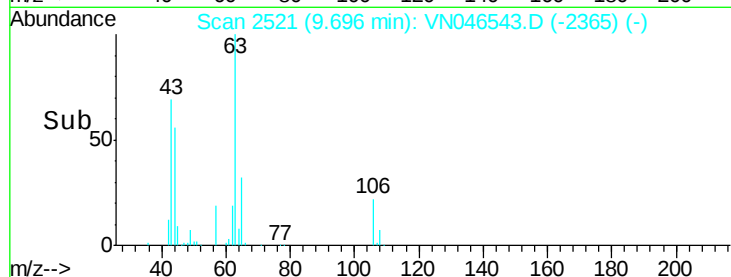
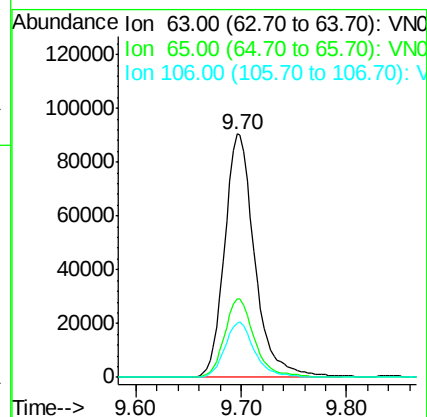
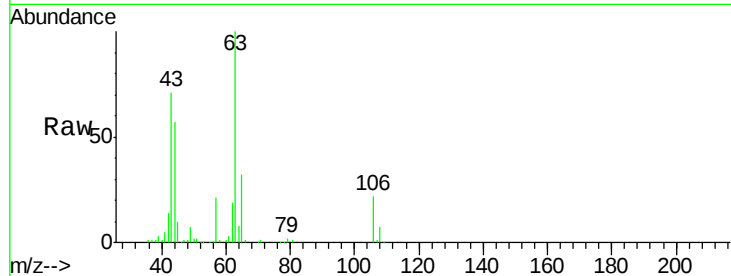
Tgt Ion: 63 Resp: 178908

Ion Ratio Lower Upper

63 100

65 32.1 25.7 38.5

106 22.3 17.7 26.5



#56

Bromoform

Concen: 21.09 ug/l

RT: 12.13 min Scan# 3279

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

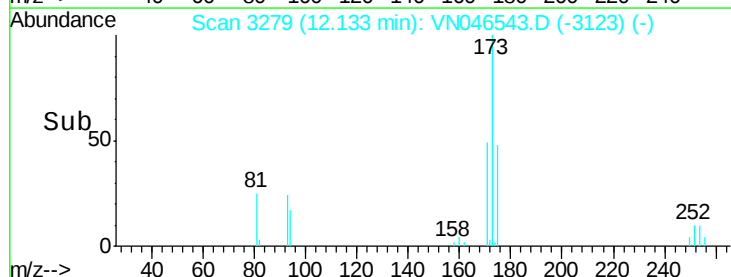
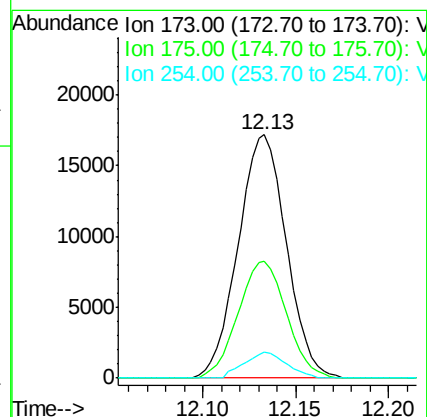
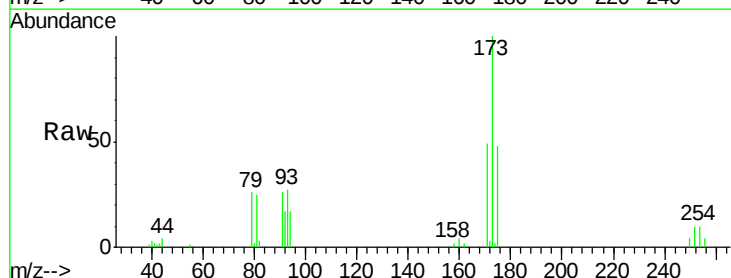
Tgt Ion: 173 Resp: 31129

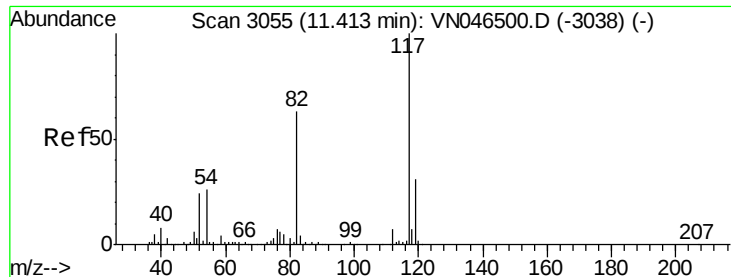
Ion Ratio Lower Upper

173 100

175 48.0 38.5 57.7

254 9.3 7.3 10.9

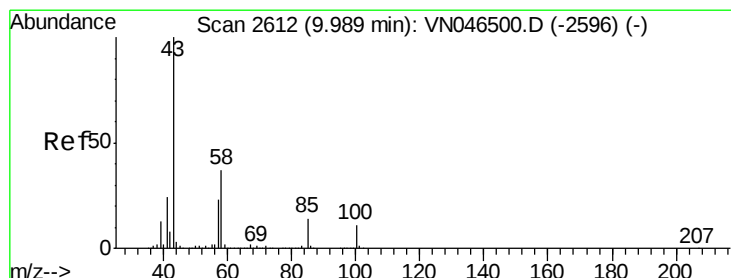
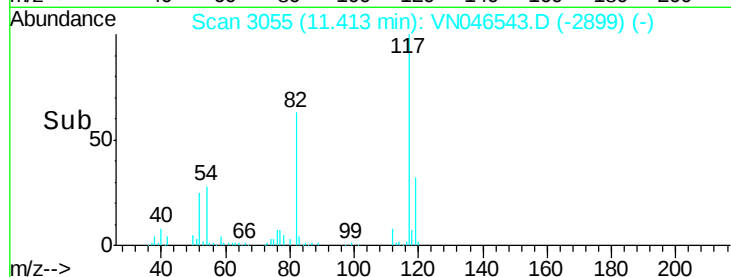
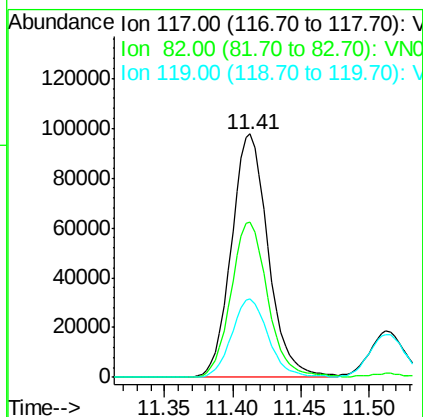
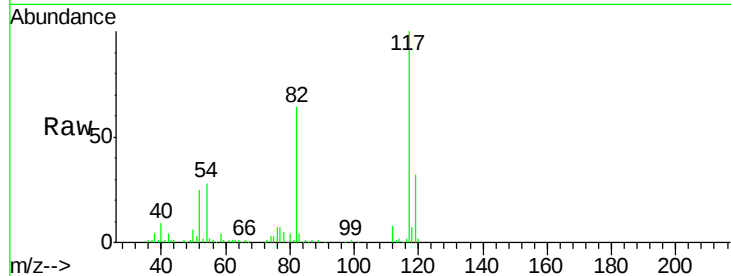




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

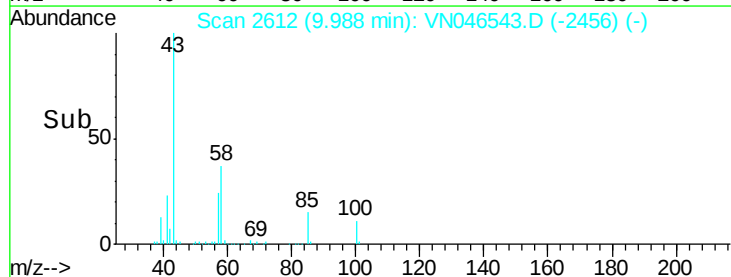
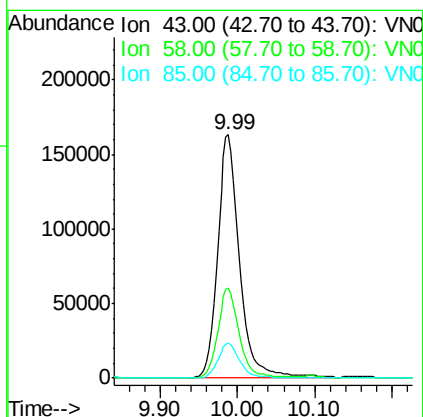
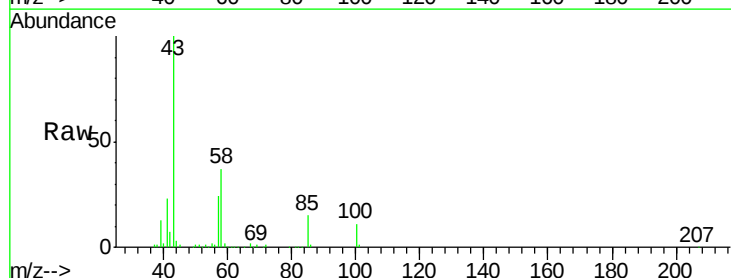
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

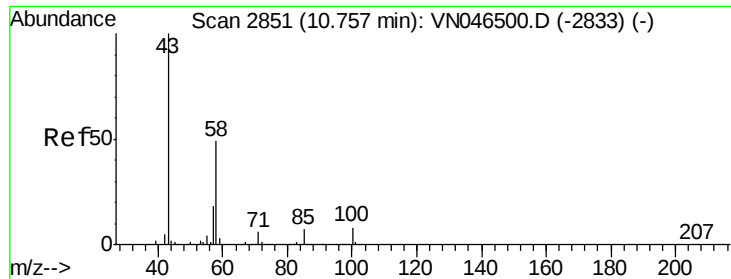
Tgt Ion: 117 Resp: 183301
Ion Ratio Lower Upper
117 100
82 63.7 51.5 77.3
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 114.20 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 43 Resp: 321894
Ion Ratio Lower Upper
43 100
58 36.4 29.4 44.2
85 14.5 11.5 17.3

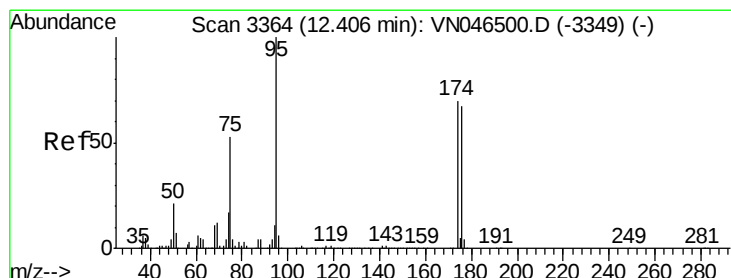
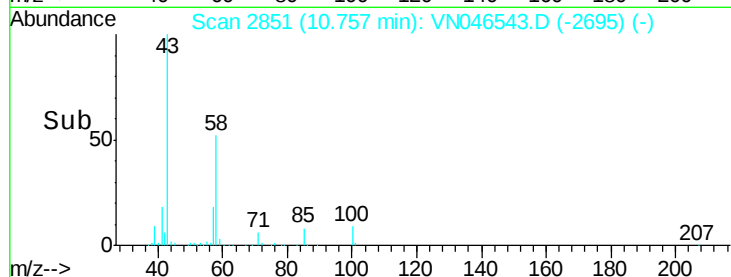
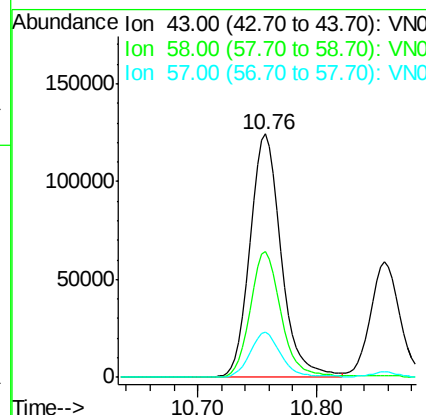
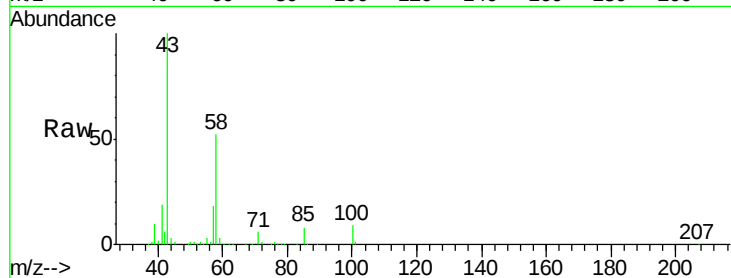




#59
2-Hexanone
Concen: 112.54 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

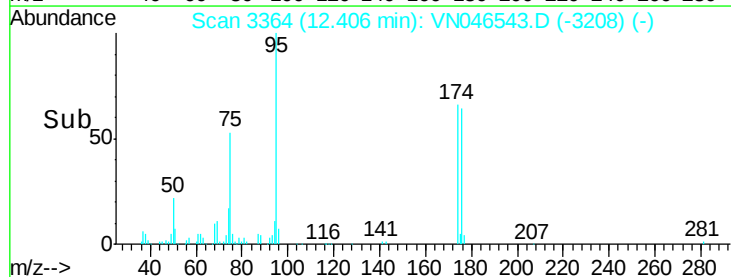
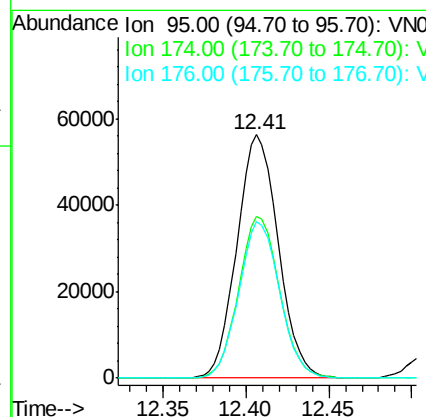
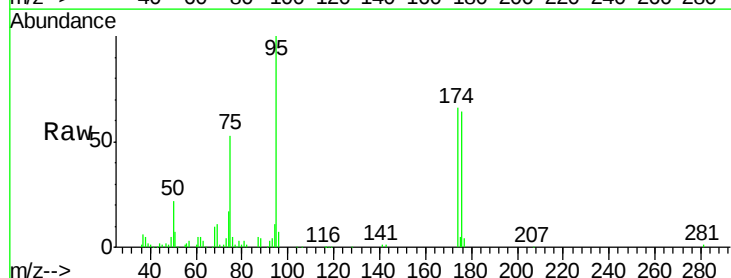
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

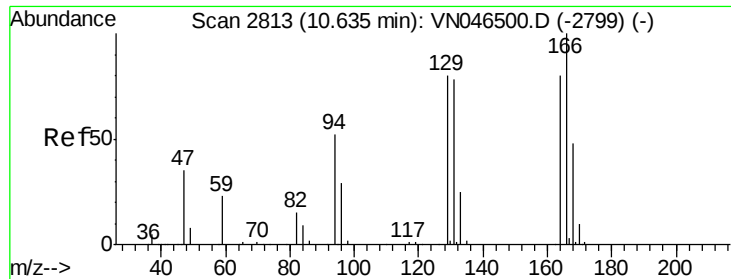
Tgt Ion: 43 Resp: 224610
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.77 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion: 95 Resp: 97674
Ion Ratio Lower Upper
95 100
174 65.7 52.5 78.7
176 63.6 50.6 75.8





#61

Tetrachloroethene

Concen: 20.35 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

Tgt Ion:164 Resp: 41919

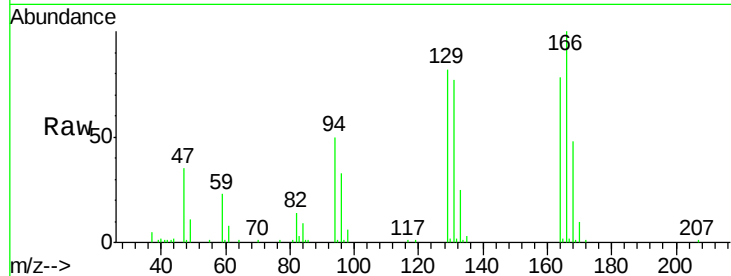
Ion Ratio Lower Upper

164 100

166 128.5 101.6 152.4

129 105.2 83.8 125.6

131 98.9 79.8 119.8

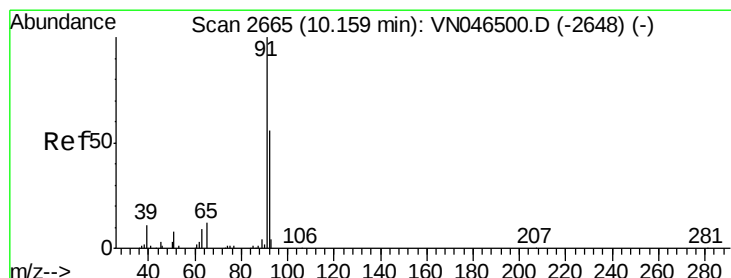
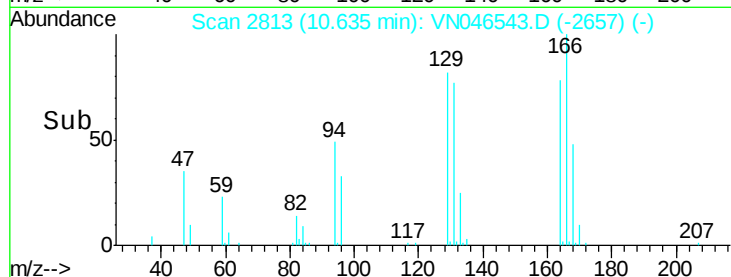
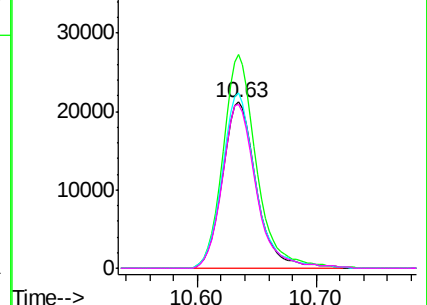


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.53 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046543.D

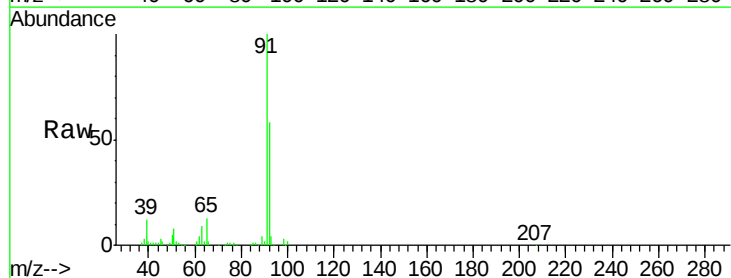
Acq: 24 Jan 2018 13:27

Tgt Ion: 91 Resp: 230138

Ion Ratio Lower Upper

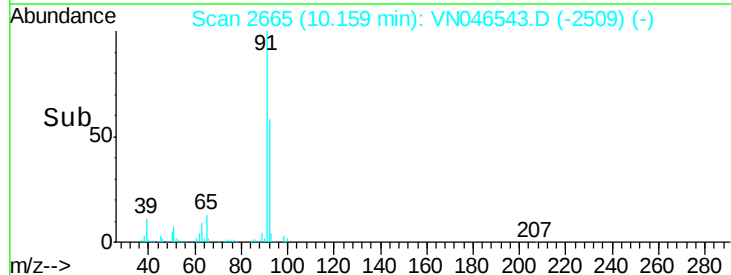
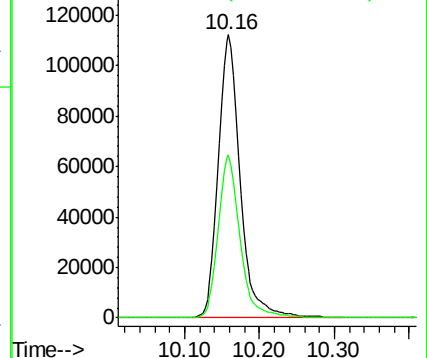
91 100

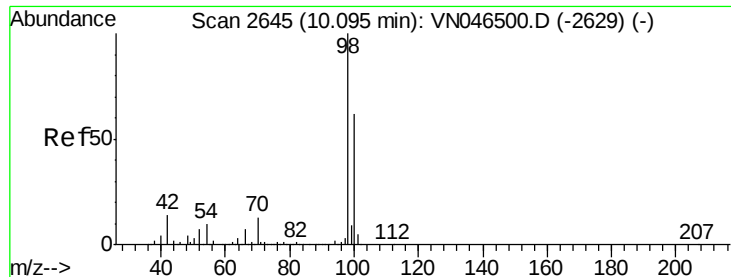
92 57.3 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.48 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

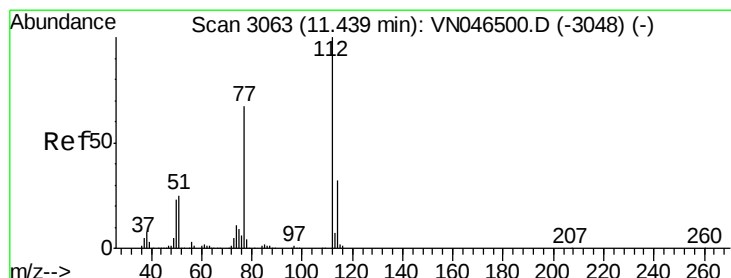
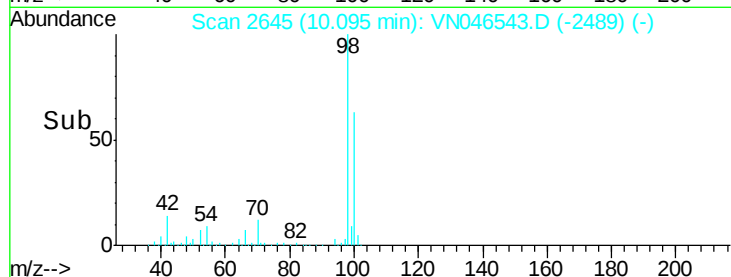
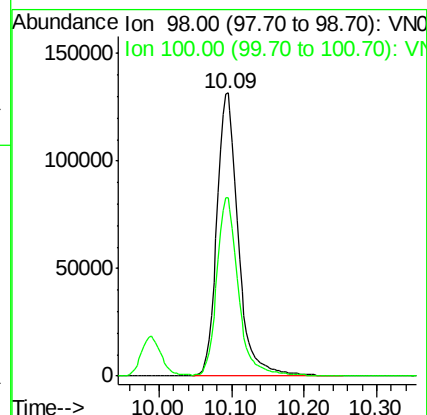
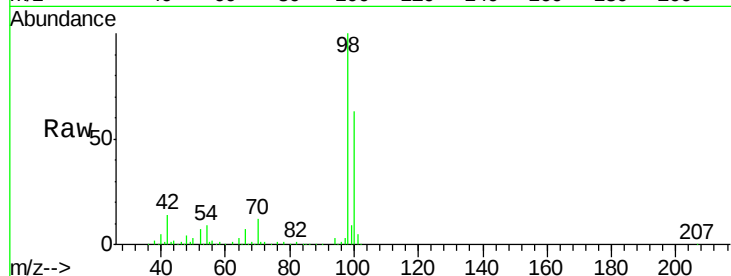
VN0124WBS01

Tgt Ion: 98 Resp: 269732

Ion Ratio Lower Upper

98 100

100 63.1 50.8 76.2



#64

Chlorobenzene

Concen: 20.62 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046543.D

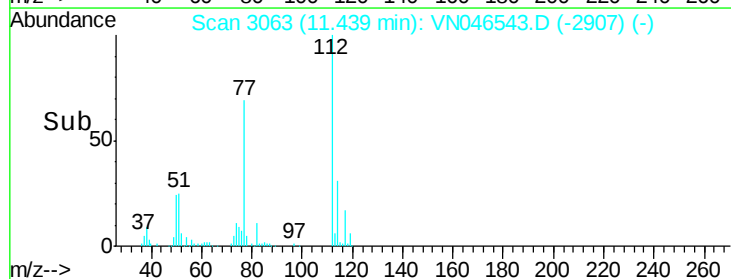
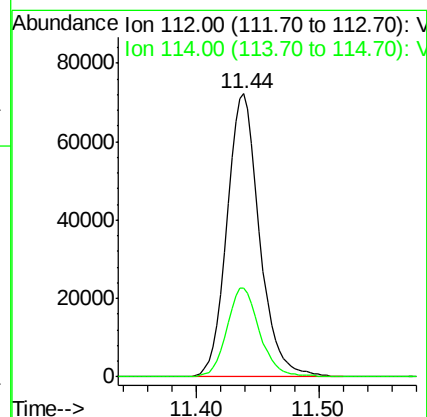
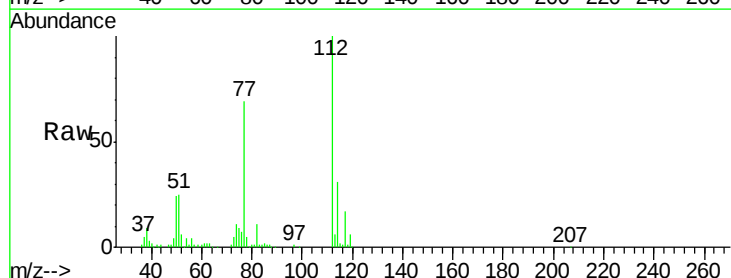
Acq: 24 Jan 2018 13:27

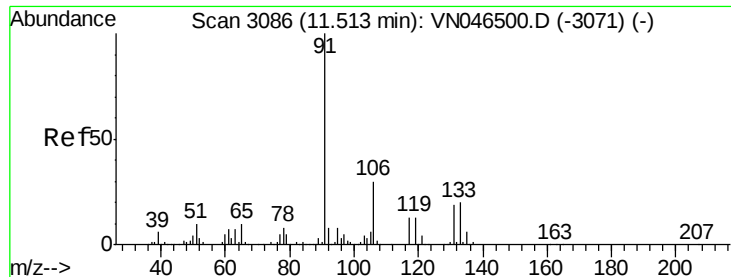
Tgt Ion: 112 Resp: 134902

Ion Ratio Lower Upper

112 100

114 31.4 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 20.96 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

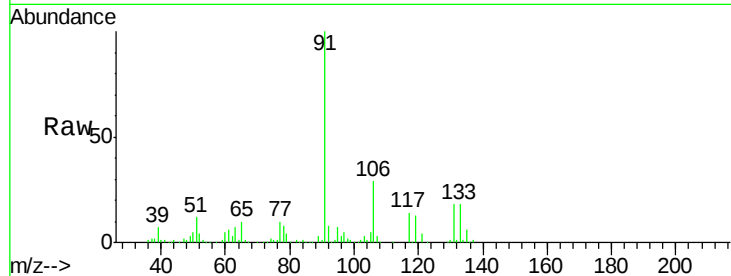
Tgt Ion:131 Resp: 46152

Ion Ratio Lower Upper

131 100

133 94.6 0.0 191.6

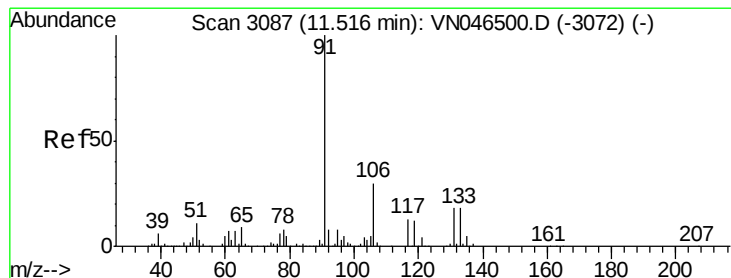
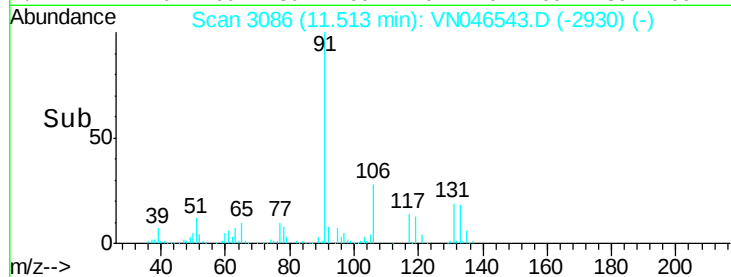
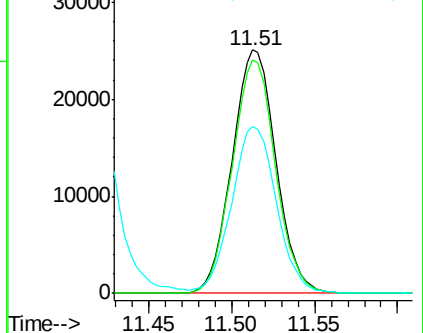
119 70.0 0.0 141.2



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: 20.16 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046543.D

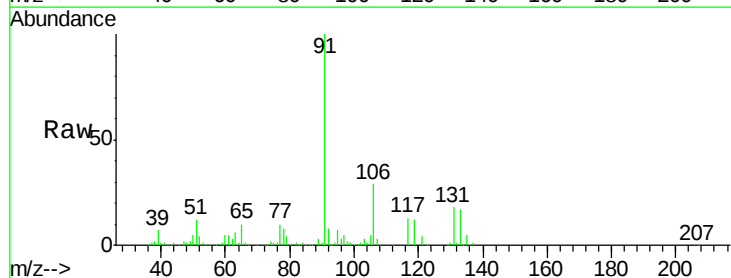
Acq: 24 Jan 2018 13:27

Tgt Ion: 91 Resp: 248120

Ion Ratio Lower Upper

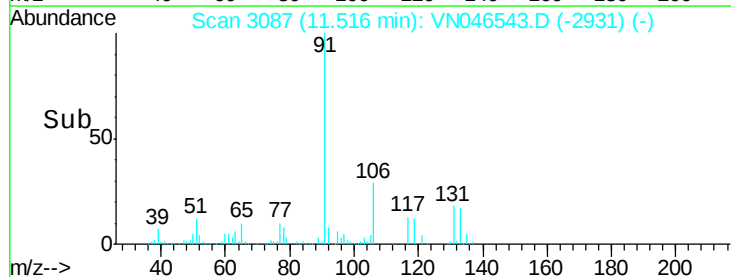
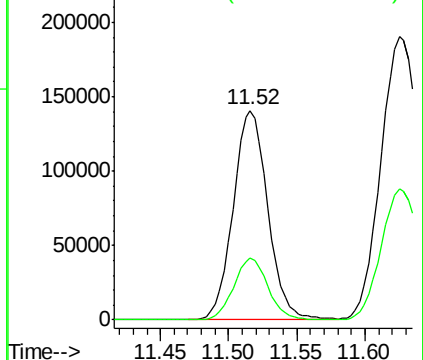
91 100

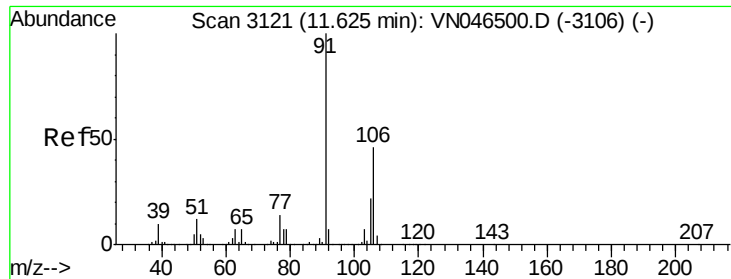
106 29.3 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.12 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

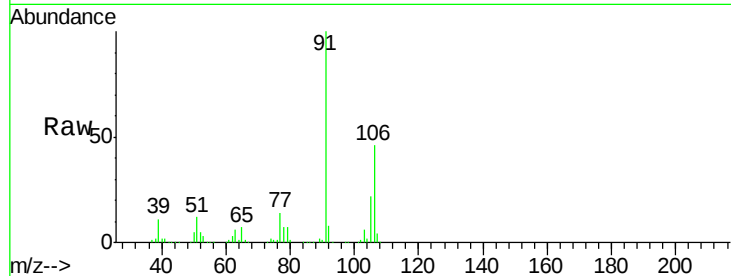
VN0124WBS01

Tgt Ion:106 Resp: 177414

Ion Ratio Lower Upper

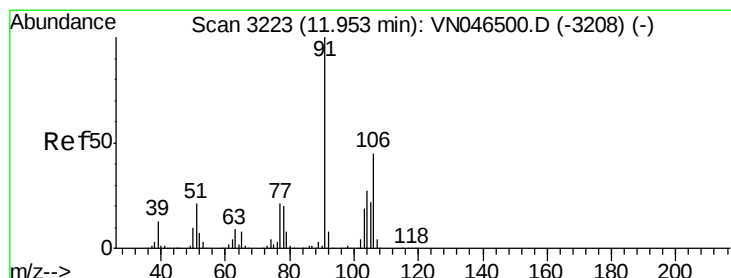
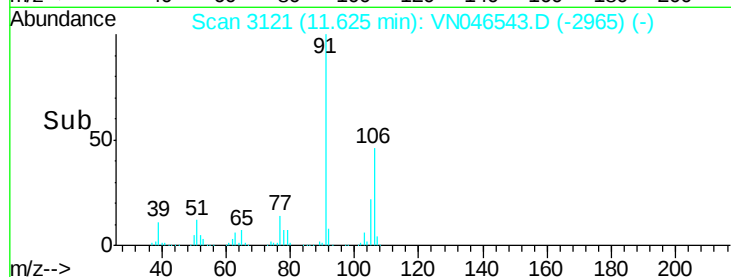
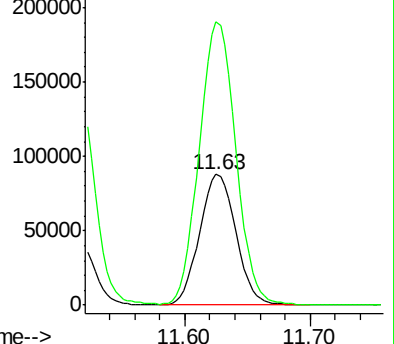
106 100

91 217.5 173.8 260.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 20.43 ug/l

RT: 11.95 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN046543.D

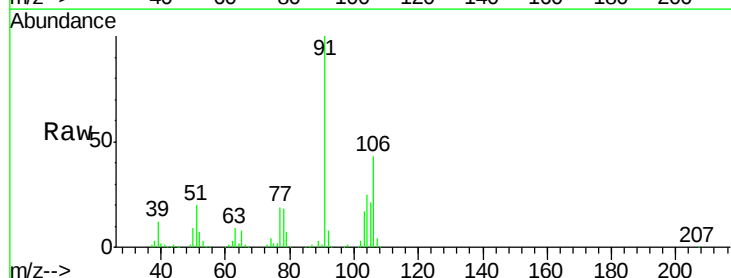
Acq: 24 Jan 2018 13:27

Tgt Ion:106 Resp: 87617

Ion Ratio Lower Upper

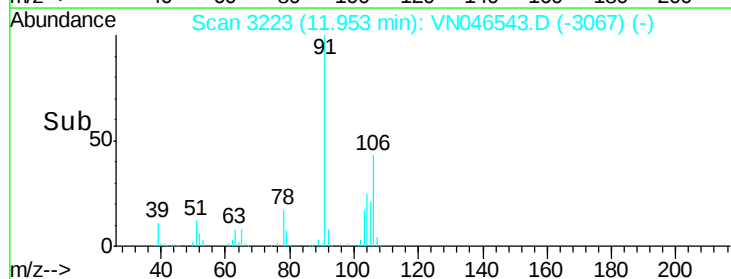
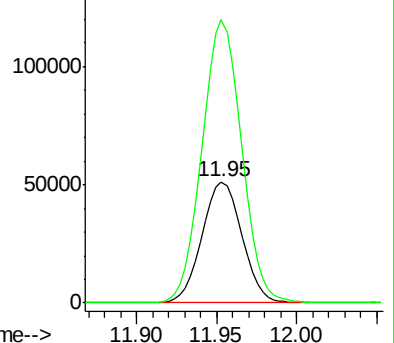
106 100

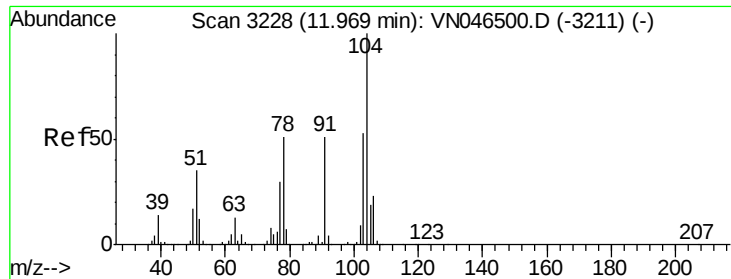
91 231.2 115.7 346.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

Styrene

Concen: 20.21 ug/l

RT: 11.97 min Scan# 3228

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

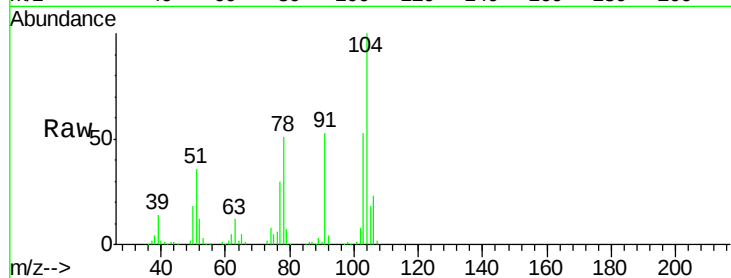
Tgt Ion:104 Resp: 143303

Ion Ratio Lower Upper

104 100

78 56.2 45.5 68.3

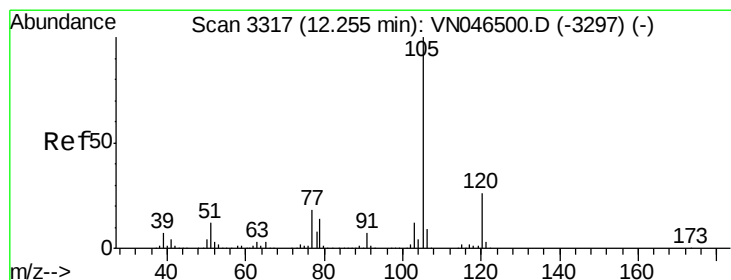
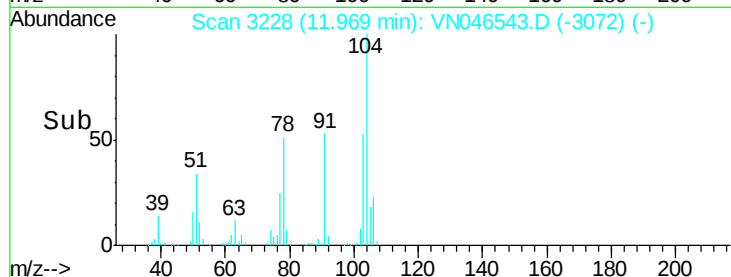
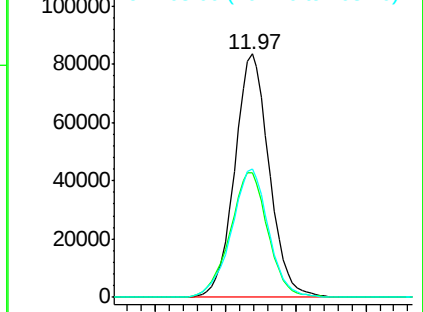
103 56.5 45.0 67.4



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: 20.10 ug/l

RT: 12.26 min Scan# 3317

Delta R.T. 0.00 min

Lab File: VN046543.D

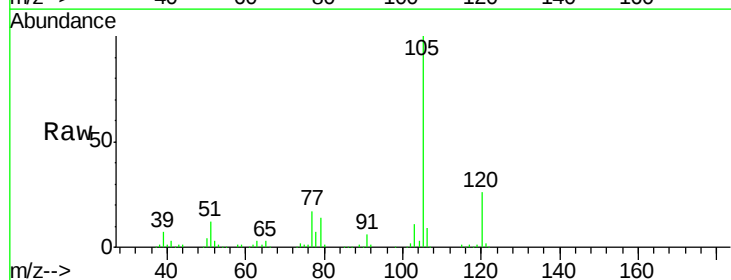
Acq: 24 Jan 2018 13:27

Tgt Ion:105 Resp: 229247

Ion Ratio Lower Upper

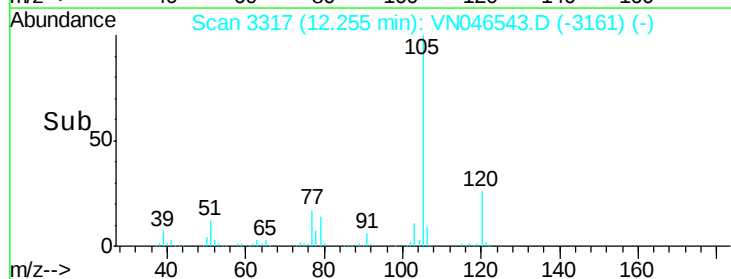
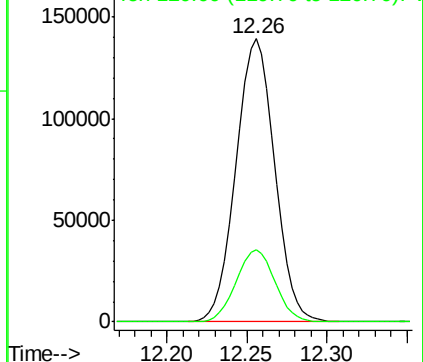
105 100

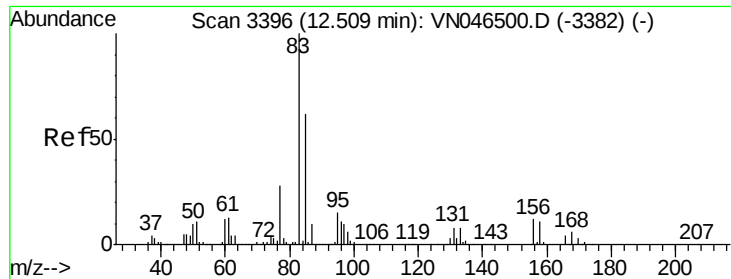
120 25.7 17.8 33.1



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: 22.60 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

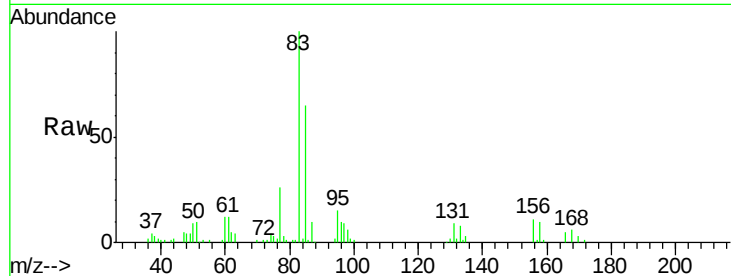
Tgt Ion: 83 Resp: 66605

Ion Ratio Lower Upper

83 100

131 8.9 4.5 13.5

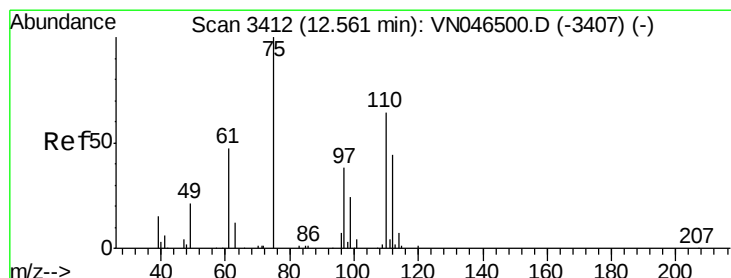
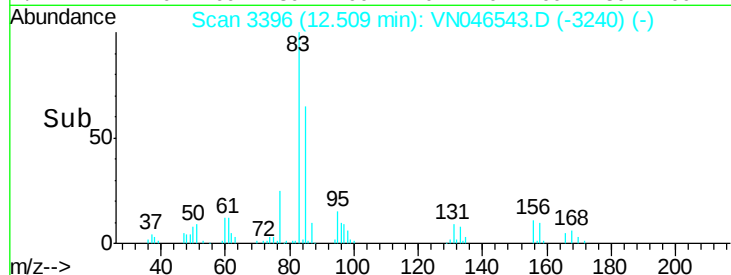
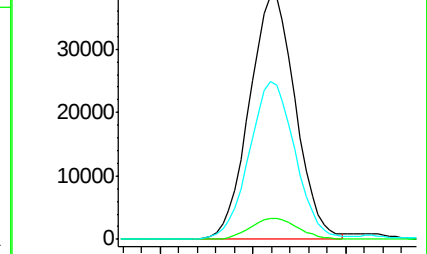
85 64.2 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VN046543.D (-3240) (-)

Ion 131.00 (130.70 to 131.70): VN046543.D (-3240) (-)

Ion 85.00 (84.70 to 85.70): VN046543.D (-3240) (-)



#72

1,2,3-Trichloropropane

Concen: 35.32 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046543.D

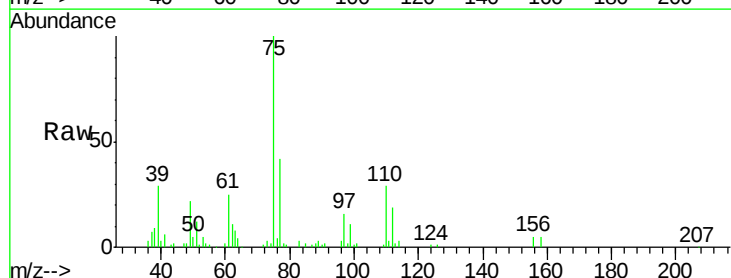
Acq: 24 Jan 2018 13:27

Tgt Ion: 75 Resp: 85726

Ion Ratio Lower Upper

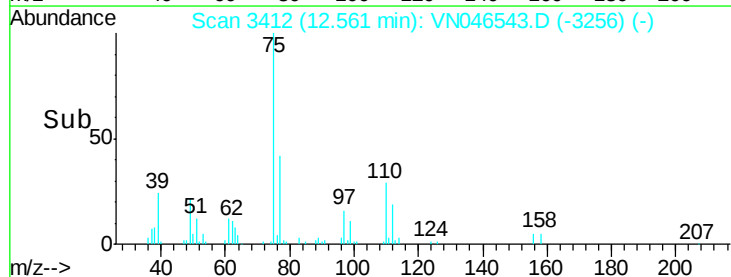
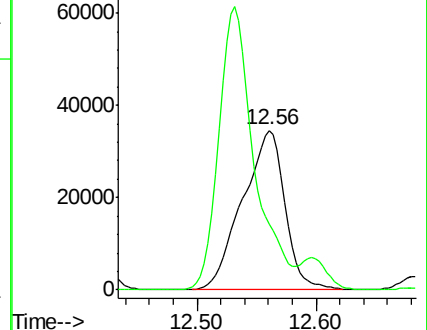
75 100

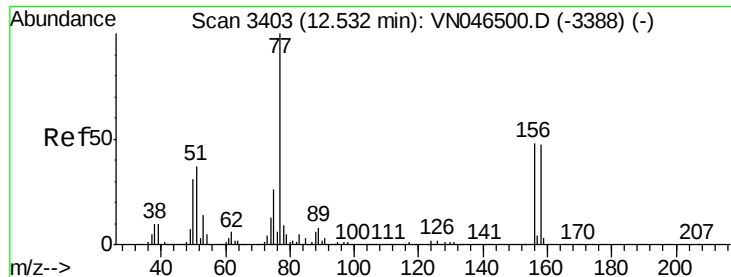
77 148.3 0.0 479.2



Abundance Ion 75.00 (74.70 to 75.70): VN046543.D (-3256) (-)

Ion 77.00 (76.70 to 77.70): VN046543.D (-3256) (-)





#73

Bromobenzene

Concen: 20.40 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

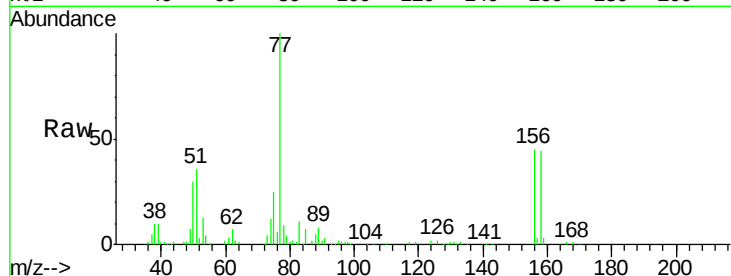
Tgt Ion:156 Resp: 48924

Ion Ratio Lower Upper

156 100

77 259.8 0.0 516.8

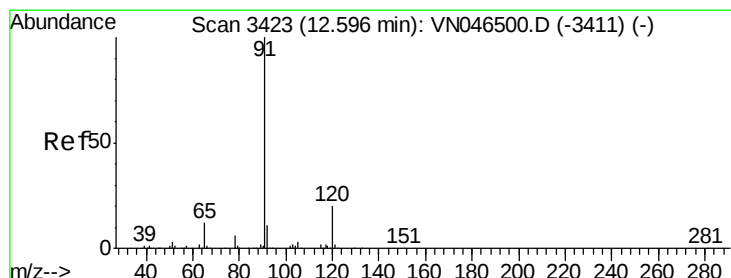
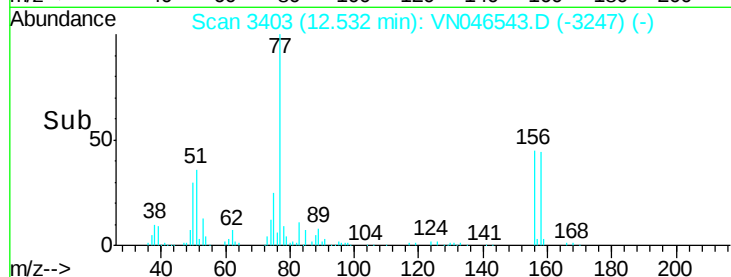
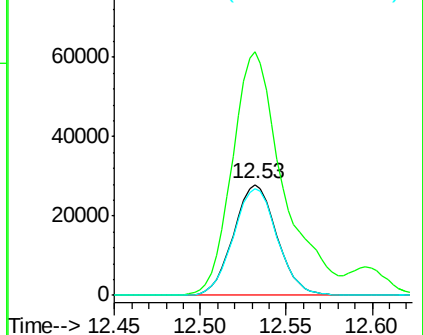
158 97.7 0.0 195.0



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: 19.48 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN046543.D

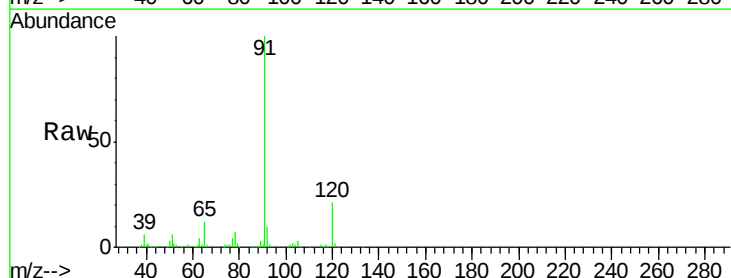
Acq: 24 Jan 2018 13:27

Tgt Ion: 91 Resp: 278875

Ion Ratio Lower Upper

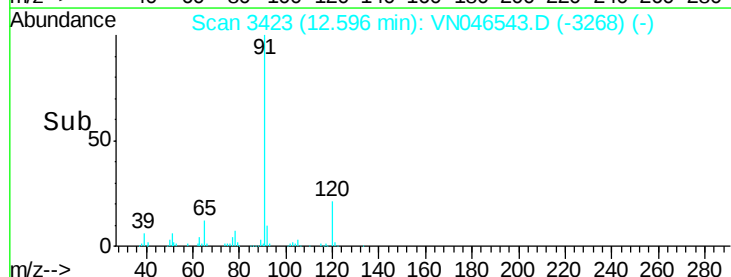
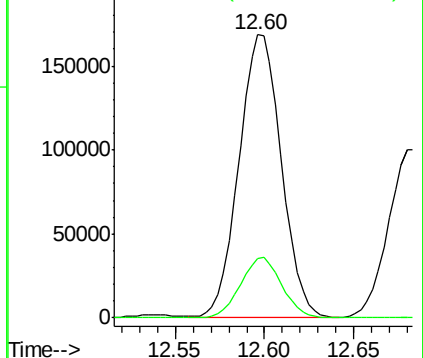
91 100

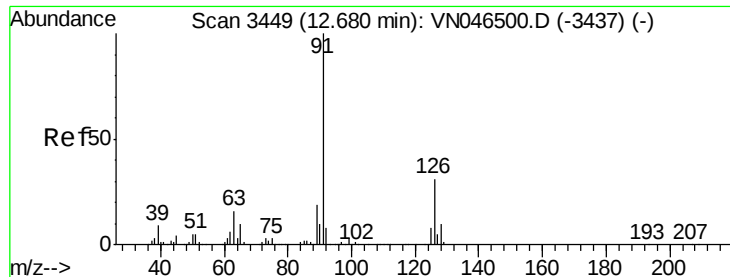
120 20.8 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.94 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

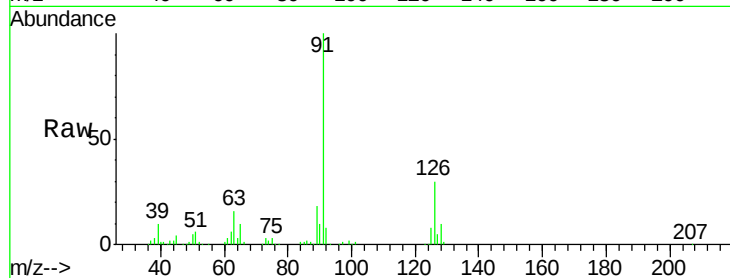
VN0124WBS01

Tgt Ion: 91 Resp: 166504

Ion Ratio Lower Upper

91 100

126 30.0 0.0 60.2



Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3437) (-)

Ion 126.00 (125.70 to 126.70): VN046500.D (-3437) (-)

150000

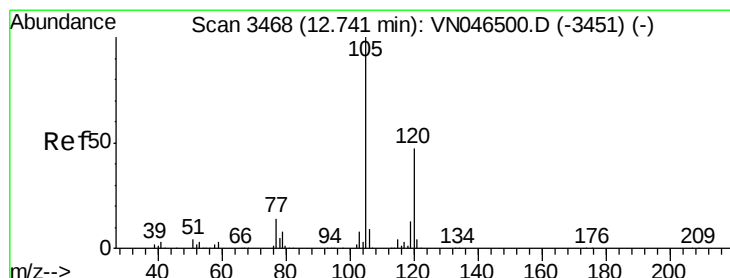
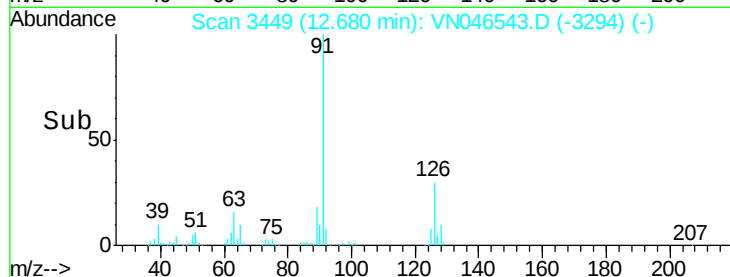
100000

50000

0

12.65 12.68 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.12 ug/l

RT: 12.74 min Scan# 3468

Delta R.T. 0.00 min

Lab File: VN046543.D

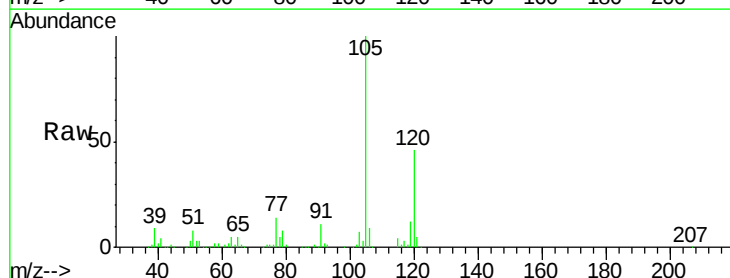
Acq: 24 Jan 2018 13:27

Tgt Ion: 105 Resp: 194392

Ion Ratio Lower Upper

105 100

120 46.3 0.0 93.4



Abundance Ion 105.00 (104.70 to 105.70): VN046500.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN046500.D (-3451) (-)

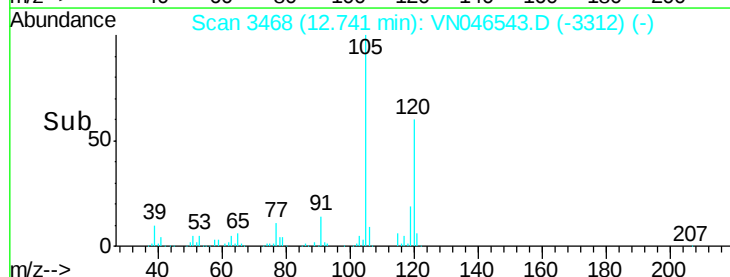
100000

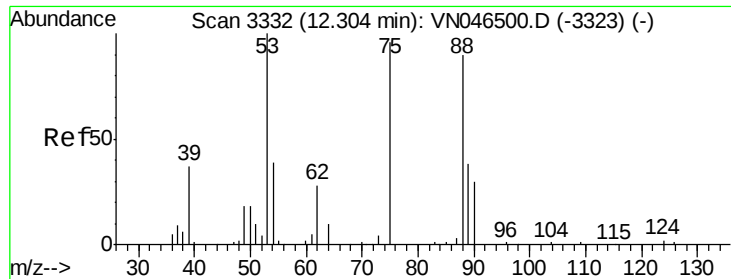
50000

0

12.70 12.74 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 21.26 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

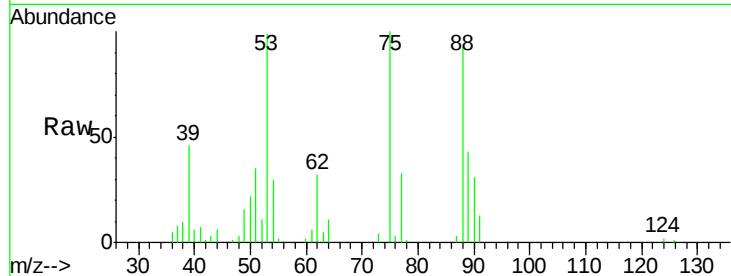
Tgt Ion: 75 Resp: 19540

Ion Ratio Lower Upper

75 100

53 97.3 46.8 140.3

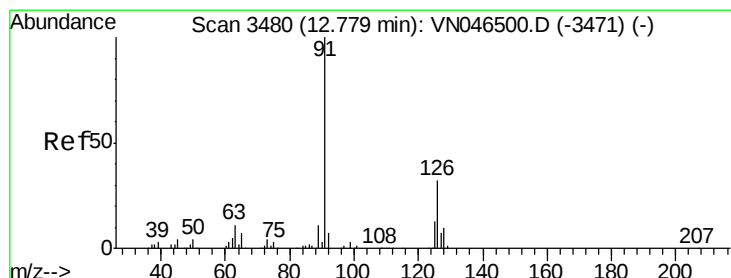
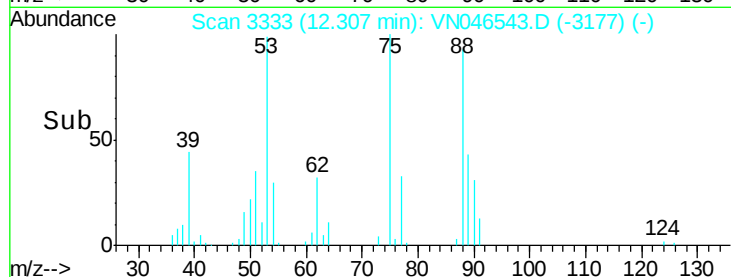
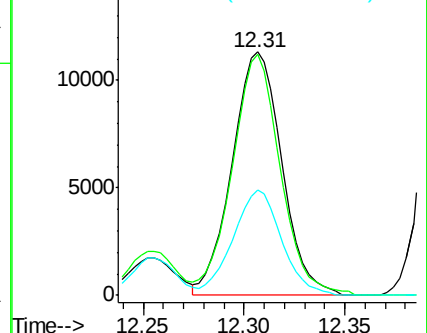
89 43.3 20.2 60.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.54 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046543.D

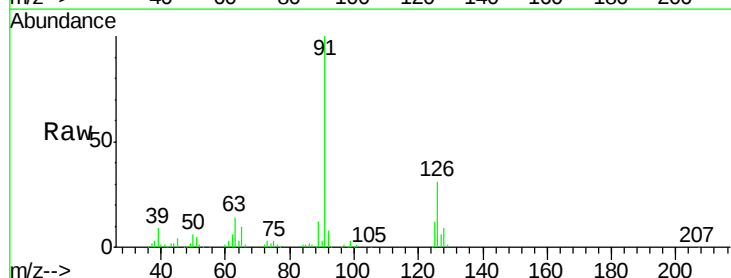
Acq: 24 Jan 2018 13:27

Tgt Ion: 91 Resp: 166677

Ion Ratio Lower Upper

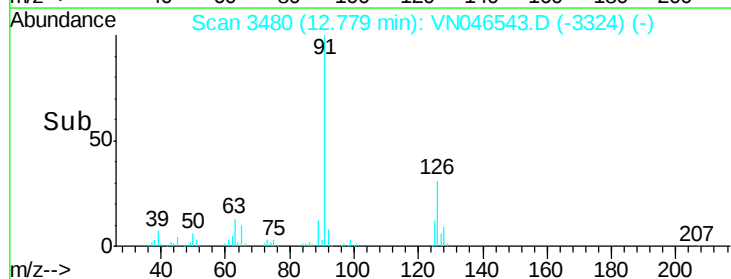
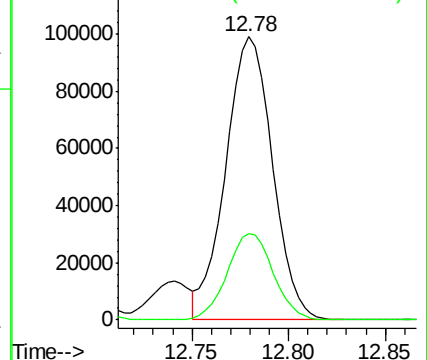
91 100

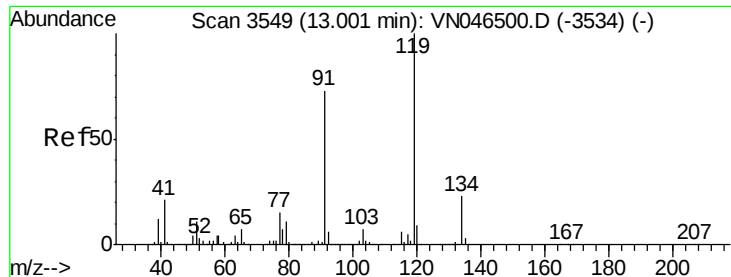
126 30.0 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

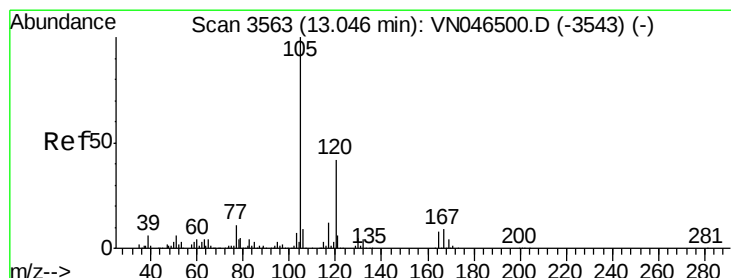
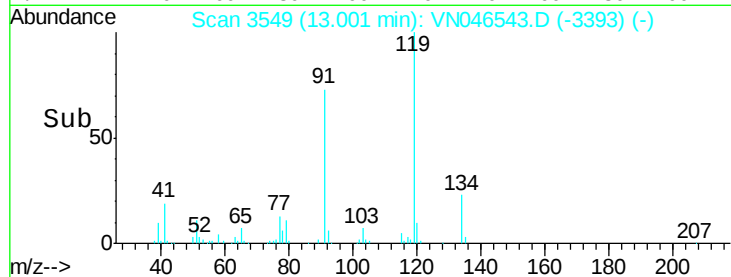
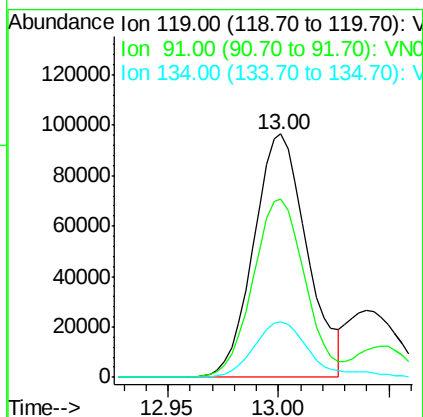
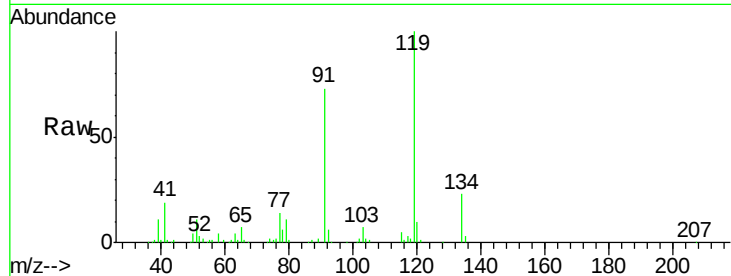




#79
tert-butylbenzene
Concen: 20.17 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

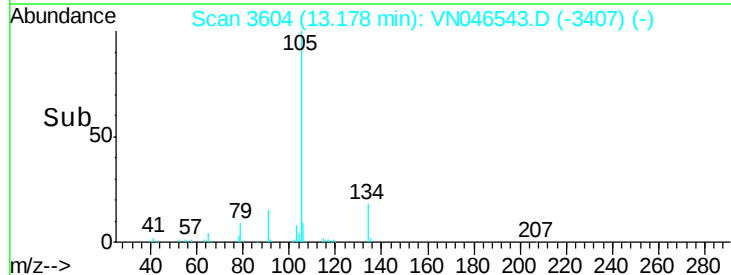
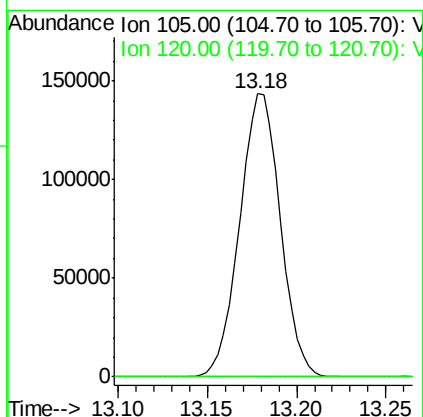
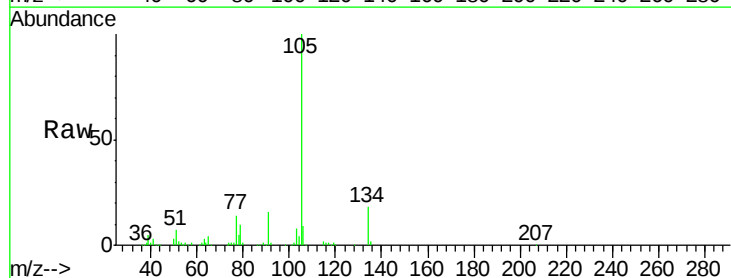
Instrument :
MSVOA_N
ClientSampleId :
VN0124WBS01

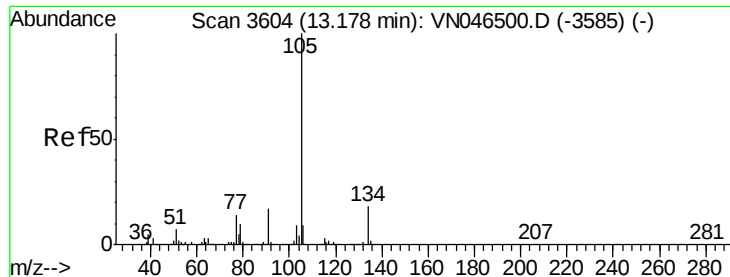
Tgt Ion:119 Resp: 162463
Ion Ratio Lower Upper
119 100
91 71.8 0.0 143.4
134 23.9 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 23.37 ug/l
RT: 13.18 min Scan# 3604
Delta R.T. 0.13 min
Lab File: VN046543.D
Acq: 24 Jan 2018 13:27

Tgt Ion:105 Resp: 228196
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2

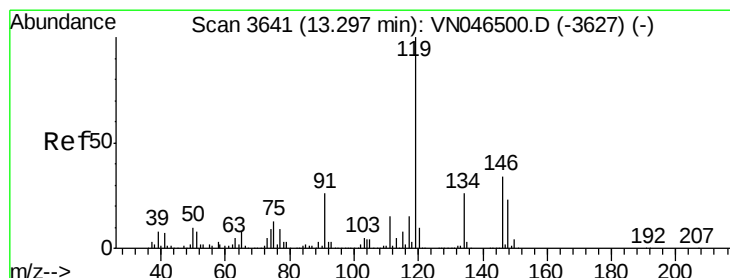
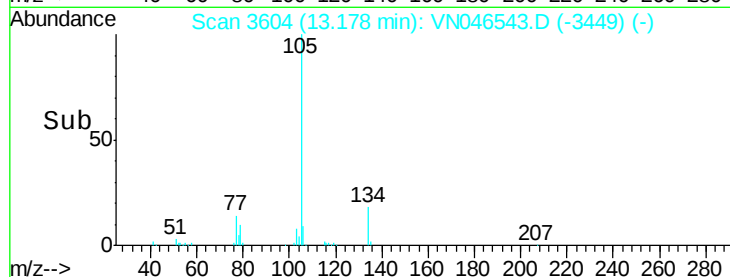
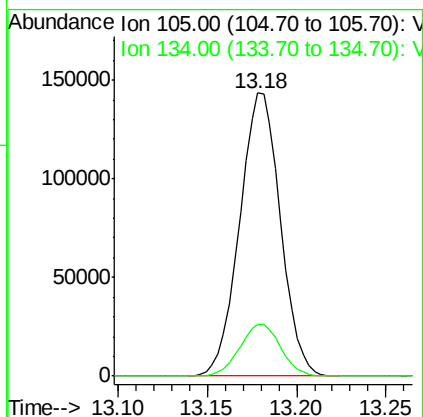
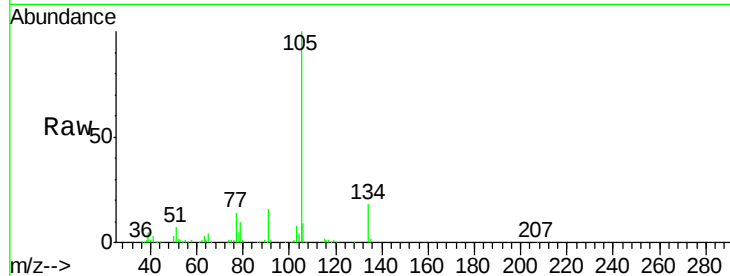




#81
 sec-Butylbenzene
 Concen: 19.56 ug/l
 RT: 13.18 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

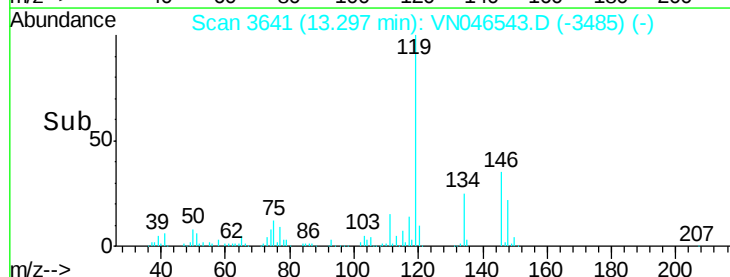
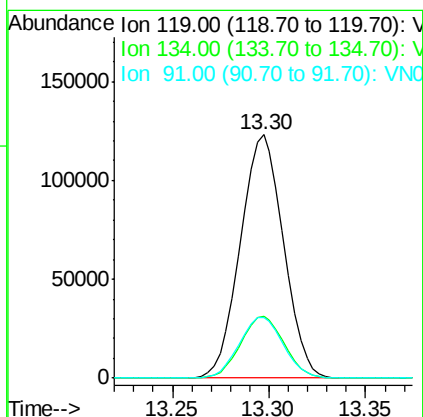
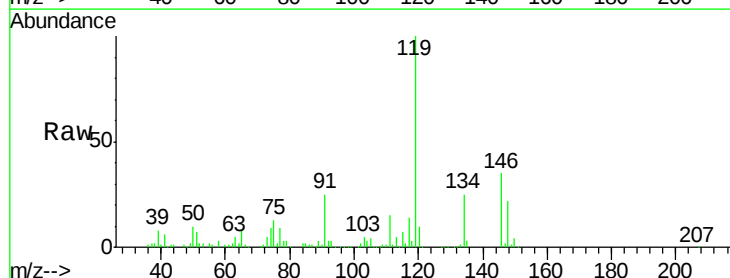
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

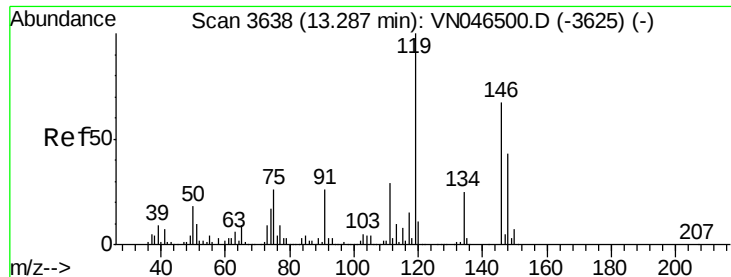
Tgt Ion:105 Resp: 228196
 Ion Ratio Lower Upper
 105 100
 134 18.4 0.0 36.6



#82
 p-Isopropyltoluene
 Concen: 19.55 ug/l
 RT: 13.30 min Scan# 3641
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion:119 Resp: 190796
 Ion Ratio Lower Upper
 119 100
 134 25.5 0.0 50.4
 91 25.6 0.0 51.4





#83

1,3-Dichlorobenzene

Concen: 19.85 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

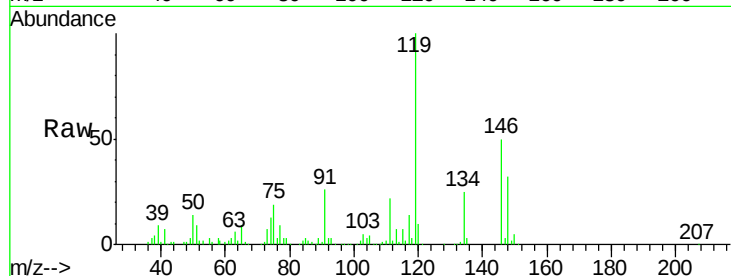
Tgt Ion:146 Resp: 87796

Ion Ratio Lower Upper

146 100

111 44.2 22.3 66.9

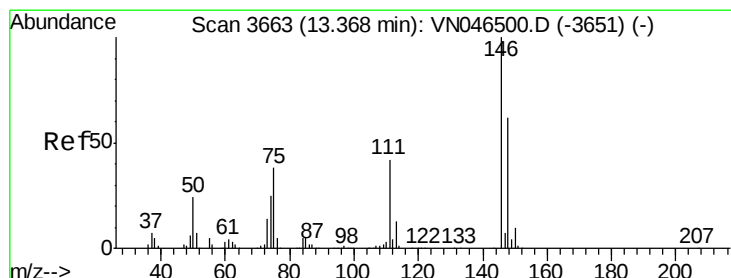
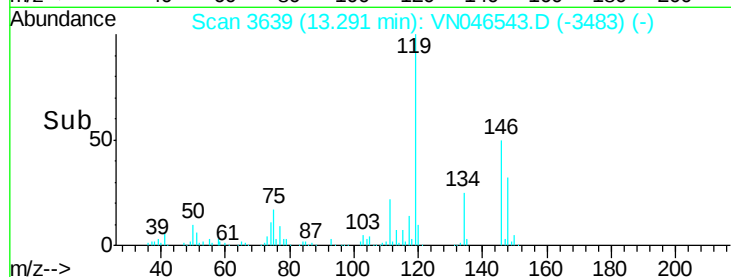
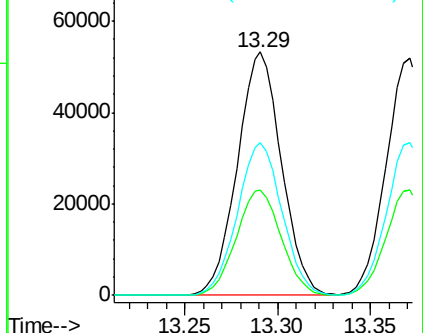
148 63.4 31.3 93.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 19.69 ug/l

RT: 13.37 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

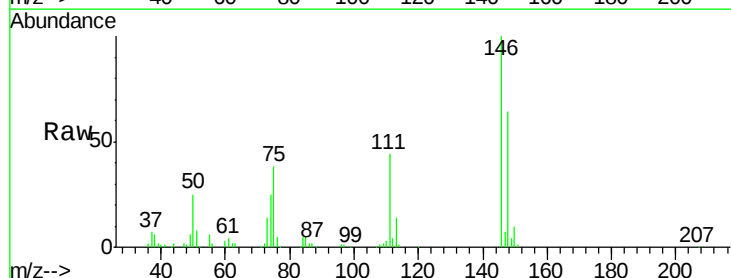
Tgt Ion:146 Resp: 85612

Ion Ratio Lower Upper

146 100

111 43.8 21.6 64.8

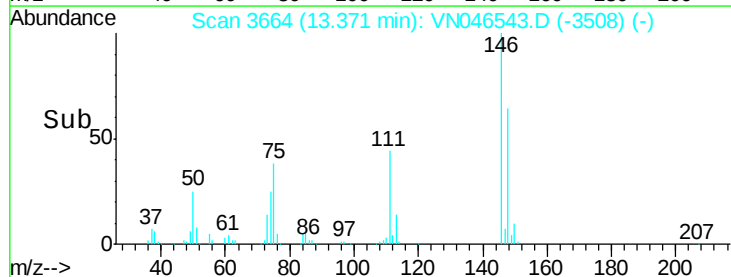
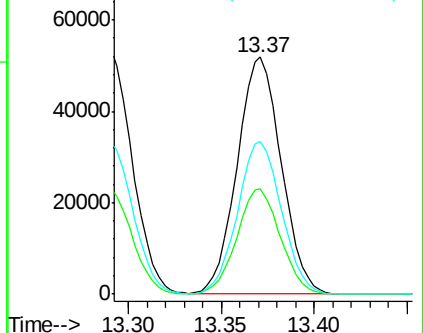
148 64.0 31.8 95.3

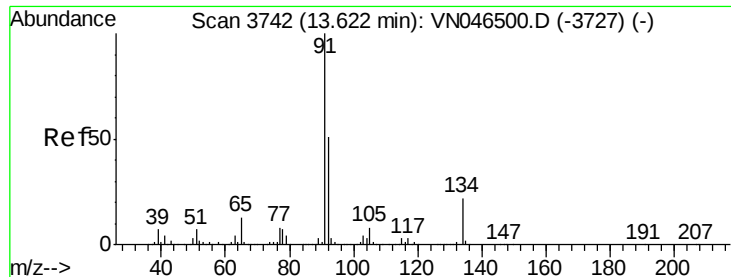


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 18.51 ug/l

RT: 13.62 min Scan# 3742

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

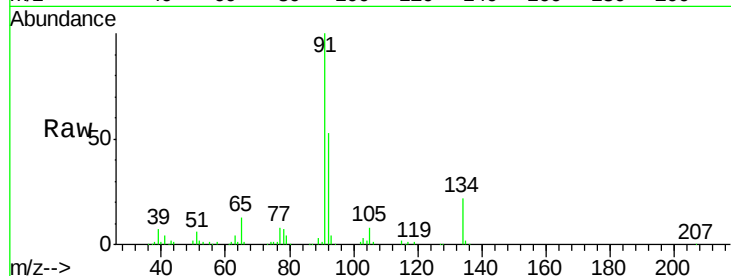
Tgt Ion: 91 Resp: 182359

Ion Ratio Lower Upper

91 100

92 52.4 0.0 105.6

134 22.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN046500.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN046500.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN046500.D (-3727) (-)

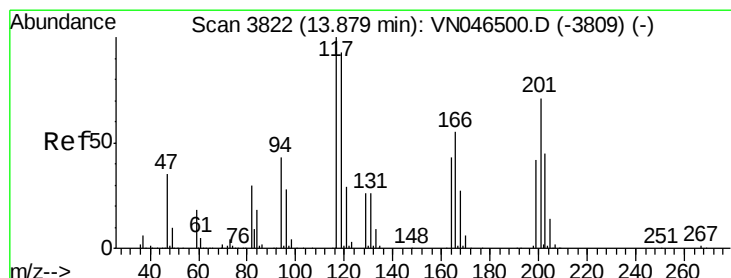
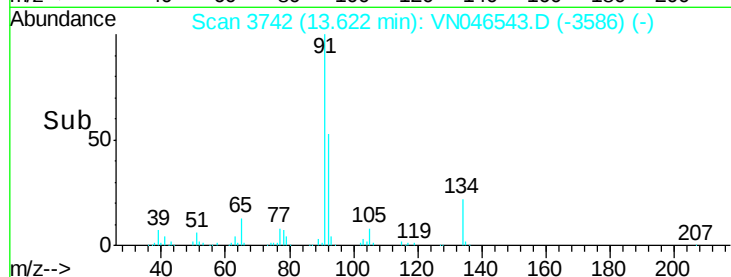
13.62

100000

50000

0

Time--> 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 19.36 ug/l

RT: 13.88 min Scan# 3823

Delta R.T. 0.00 min

Lab File: VN046543.D

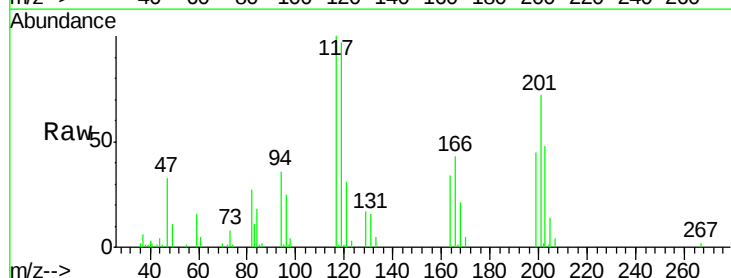
Acq: 24 Jan 2018 13:27

Tgt Ion: 117 Resp: 35179

Ion Ratio Lower Upper

117 100

201 71.5 35.0 105.1



Abundance Ion 117.00 (116.70 to 117.70): VN046500.D (-3809) (-)

Ion 201.00 (200.70 to 201.70): VN046500.D (-3809) (-)

13.88

20000

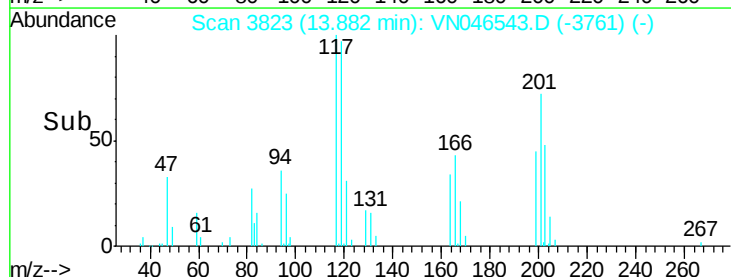
15000

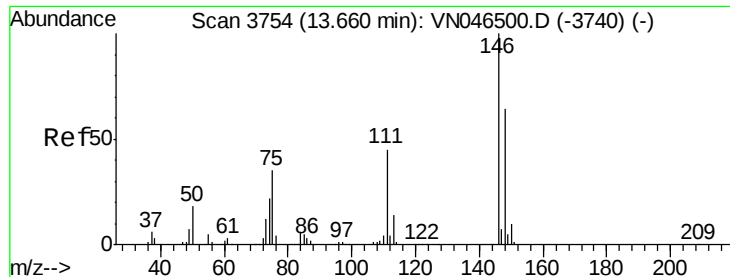
10000

5000

0

Time--> 13.85 13.90





#87

1,2-Dichlorobenzene

Concen: 20.77 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0124WBS01

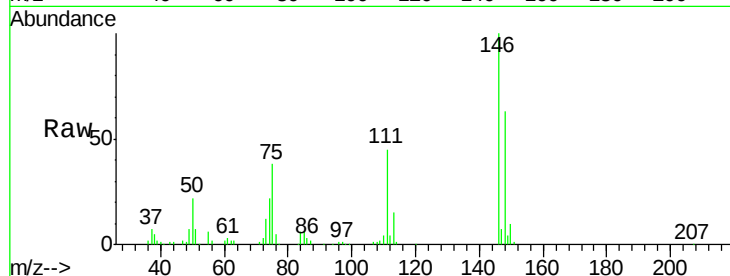
Tgt Ion:146 Resp: 88318

Ion Ratio Lower Upper

146 100

111 45.5 22.9 68.8

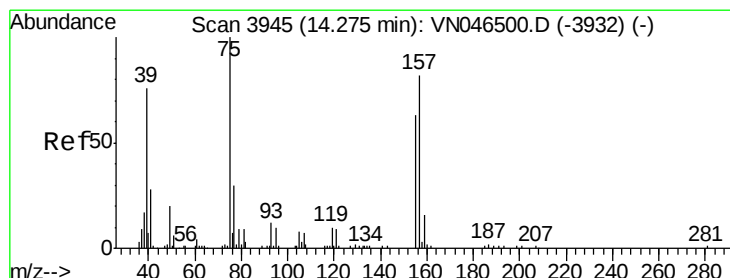
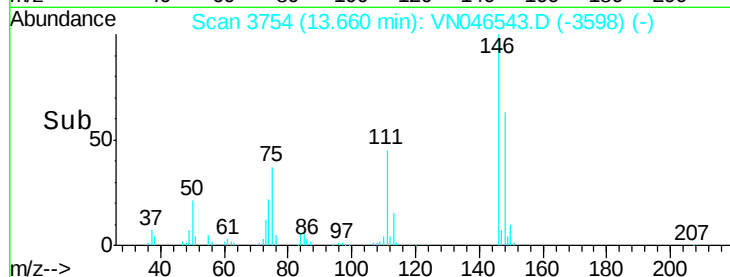
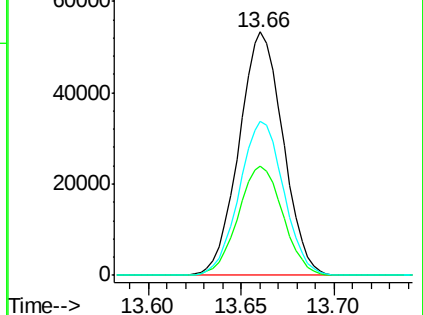
148 63.6 32.0 96.0



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: 22.41 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

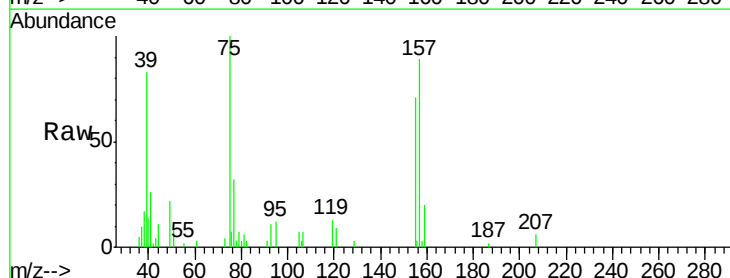
Tgt Ion: 75 Resp: 11905

Ion Ratio Lower Upper

75 100

155 69.0 52.6 79.0

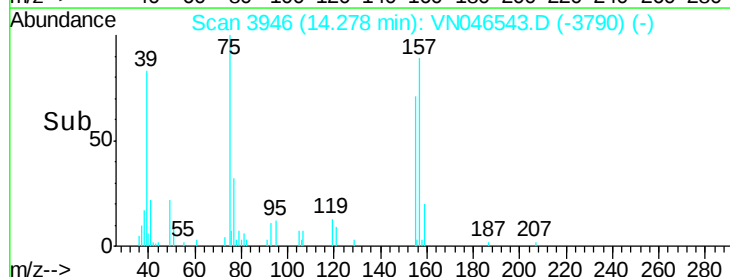
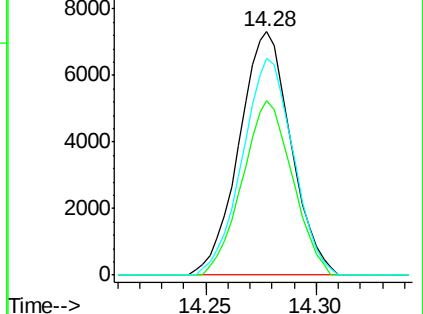
157 87.1 67.3 100.9

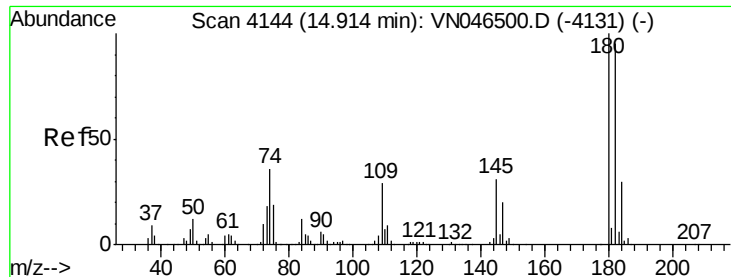


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

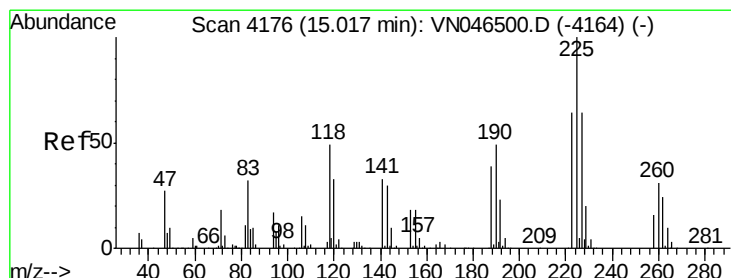
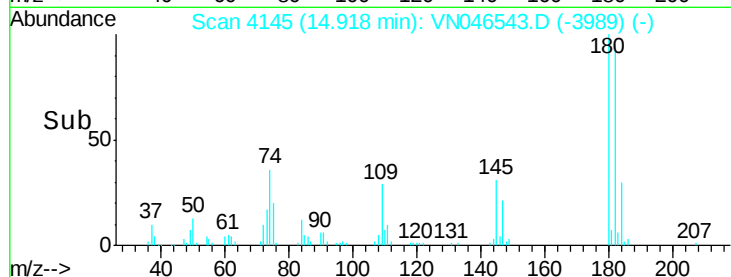
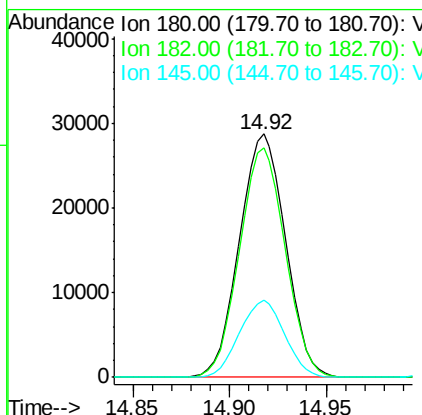
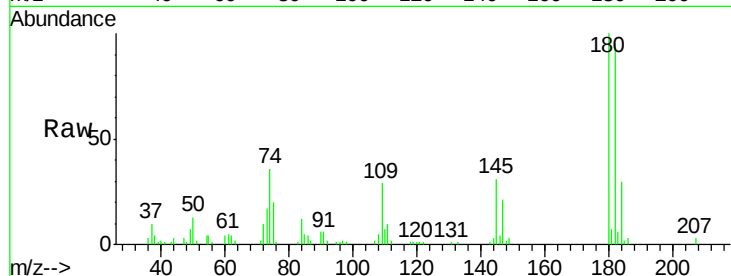




#89
 1,2,4-Trichlorobenzene
 Concen: 19.03 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

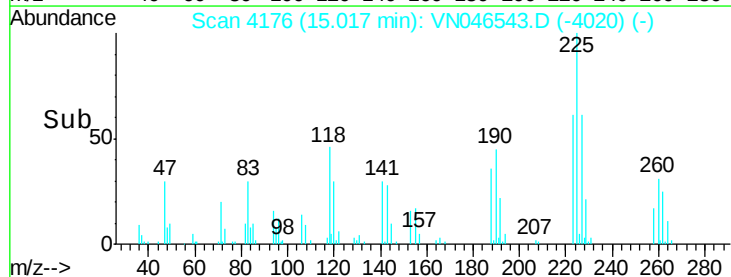
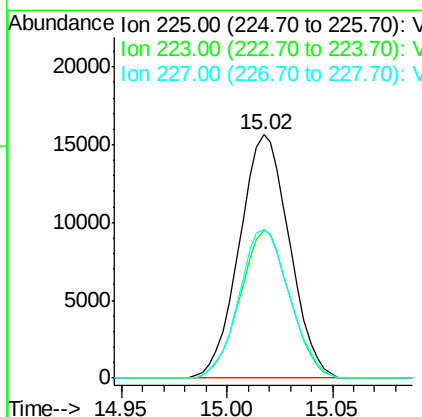
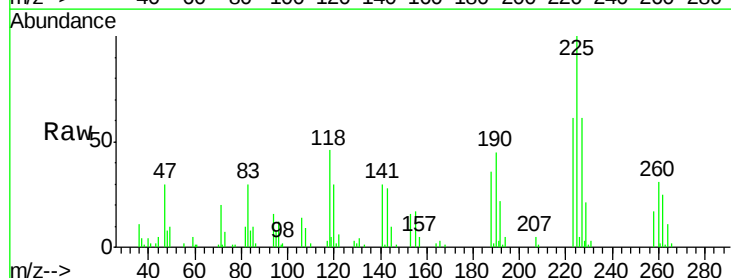
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124WBS01

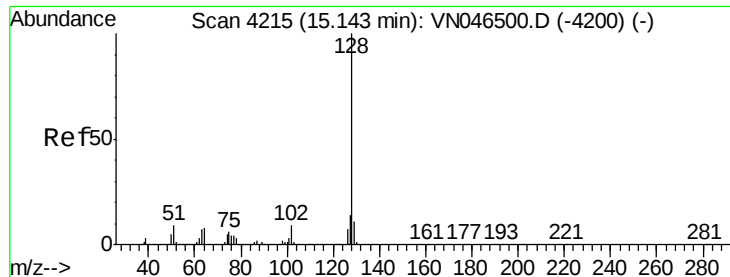
Tgt Ion:180 Resp: 47679
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.7 113.5
 145 30.8 25.2 37.8



#90
 Hexachlorobutadiene
 Concen: 19.26 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046543.D
 Acq: 24 Jan 2018 13:27

Tgt Ion:225 Resp: 25800
 Ion Ratio Lower Upper
 225 100
 223 60.1 0.0 123.6
 227 61.7 0.0 128.2





#91

Naphthalene

Concen: 20.08 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0124WBS01

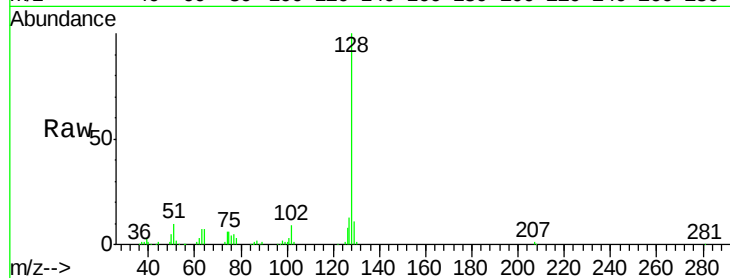
Tgt Ion:128 Resp: 120476

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

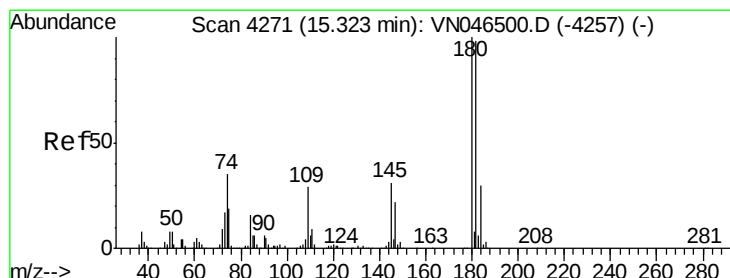
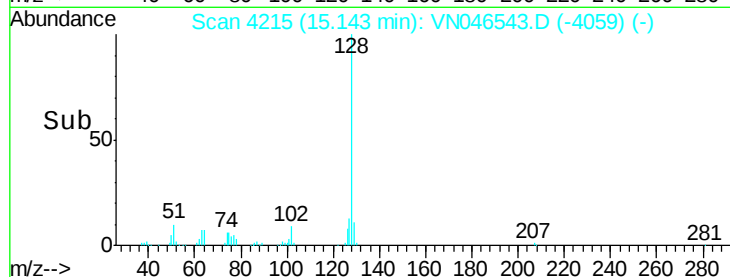
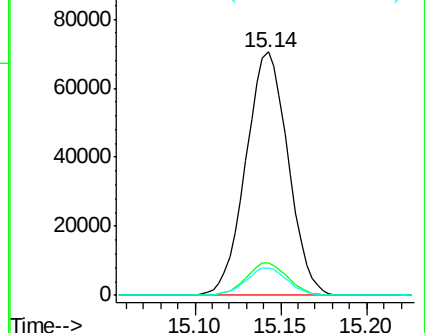
129 11.1 8.7 13.1



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: 19.91 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN046543.D

Acq: 24 Jan 2018 13:27

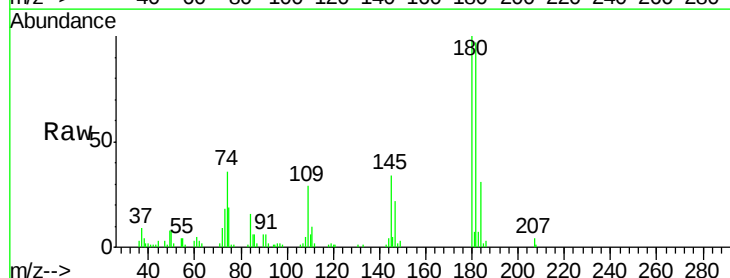
Tgt Ion:180 Resp: 47886

Ion Ratio Lower Upper

180 100

182 95.3 0.0 190.8

145 32.9 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

