

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN012418\
 Data File : VN046551.D
 Acq On : 24 Jan 2018 18:05
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 25 03:12:50 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	34593	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	211646	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	184506	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	95244	30.38	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.27%
60) 4-Bromofluorobenzene	12.41	95	97670	29.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.57%
63) Toluene-d8	10.09	98	267054	29.98	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.93%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	42906	19.07	ug/l	99
3) Chloromethane	2.06	50	76749	20.12	ug/l	99
4) Vinyl Chloride	2.18	62	67330	19.31	ug/l	98
5) Bromomethane	2.57	94	36919	19.72	ug/l	98
6) Chloroethane	2.70	64	39209	19.67	ug/l	100
7) Trichlorofluoromethane	3.02	101	66454	19.47	ug/l	99
8) Diethyl Ether	3.41	74	33268	20.18	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	44411	19.44	ug/l	100
10) 1,1-Dichloroethene	3.73	96	44193	19.17	ug/l	98
11) Methyl Iodide	3.95	142	31708	16.59	ug/l	97
12) Methyl Acetate	4.33	43	54085	20.61	ug/l	98
13) Acrolein	3.61	56	30574	94.73	ug/l	95
14) Acrylonitrile	4.99	53	112097	102.45	ug/l	100
15) Acetone	3.82	58	32989	100.02	ug/l	90
16) Carbon Disulfide	4.05	76	144484	18.76	ug/l	100
17) Allyl chloride	4.32	41	104546	19.42	ug/l	100
18) Methylene Chloride	4.55	84	53732	19.61	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	46648	19.37	ug/l	99
20) Diisopropyl ether	5.96	45	189969	19.14	ug/l	98
21) 1,1-Dichloroethane	5.85	63	106766	19.82	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	55073	19.64	ug/l	99
23) tert-Butyl Alcohol	4.80	59	27760	106.01	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	151924	20.17	ug/l	100
25) Chloroform	7.37	83	93135	19.74	ug/l	99
26) Cyclohexane	7.65	56	99017	19.14	ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	72939	18.71	ug/l	99
30) 2-Butanone	6.84	43	145369	101.64	ug/l	99
31) 2,2-Dichloropropane	6.83	77	82667	18.98	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	73944	19.17	ug/l	99
33) Carbon Tetrachloride	7.77	117	59054	19.04	ug/l	99
34) Benzene	8.04	78	221143	19.82	ug/l	98
35) Methacrylonitrile	7.18	41	33081	19.76	ug/l	99
36) 1,2-Dichloroethane	8.13	62	77501	19.61	ug/l	100
37) Trichloroethene	8.84	130	49254	19.60	ug/l	95
38) Methylcyclohexane	9.08	83	86716	18.52	ug/l	99
39) 1,2-Dichloropropane	9.12	63	63457	19.68	ug/l	100
40) Dibromomethane	9.21	93	32356	19.82	ug/l	98

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jan 25 03:12:50 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	9.40	83	73158	19.63	ug/l	97
42) Vinyl Acetate	5.90	43	740951	99.87	ug/l	99
43) Ethyl Acetate	6.93	43	59846	21.08	ug/l	98
44) Isopropyl Acetate	8.17	43	105840	19.69	ug/l	99
45) 1,4-Dioxane	9.20	88	11845	415.17	ug/l	97
46) Methyl methacrylate	9.20	41	52442	19.66	ug/l	97
47) n-amyl Acetate	12.08	43	97508	19.62	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	79434	19.14	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	92681	19.51	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	47612	20.41	ug/l	98
51) Ethyl methacrylate	10.43	69	75761	20.16	ug/l	97
52) 1,3-Dichloropropane	10.71	76	87235	19.86	ug/l	100
53) Dibromochloromethane	10.90	129	46790	19.59	ug/l	99
54) 1,2-Dibromoethane	11.01	107	41650	19.83	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	161459	101.16	ug/l	99
56) Bromoform	12.13	173	28281	19.18	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	291877	102.88	ug/l	99
59) 2-Hexanone	10.76	43	205425	102.25	ug/l	100
61) Tetrachloroethene	10.63	164	40996	19.77	ug/l	99
62) Toluene	10.16	91	222933	19.76	ug/l	99
64) Chlorobenzene	11.44	112	128888	19.57	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	42305	19.09	ug/l	98
66) Ethyl Benzene	11.52	91	242151	19.55	ug/l	100
67) m/p-Xylenes	11.62	106	172783	38.81	ug/l	99
68) o-Xylene	11.95	106	84893	19.67	ug/l	99
69) Styrene	11.97	104	139401	19.53	ug/l	99
70) Isopropylbenzene	12.26	105	225787	19.66	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	60631	20.44	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	79293	32.46	ug/l	49
73) Bromobenzene	12.53	156	47380	19.63	ug/l	99
74) n-propylbenzene	12.60	91	277477	19.26	ug/l	100
75) 2-Chlorotoluene	12.68	91	164690	19.60	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	187192	19.25	ug/l	99
77) t-1,4-Dichloro-2-butene	12.31	75	17913	19.36	ug/l	99
78) 4-Chlorotoluene	12.78	91	165094	19.23	ug/l	99
79) tert-butylbenzene	13.00	119	158807	19.59	ug/l	99
80) 1,2,4-Trimethylbenzene	13.18	105	226816	23.08	ug/l	100
81) sec-Butylbenzene	13.18	105	226816	19.31	ug/l	100
82) p-Isopropyltoluene	13.30	119	190394	19.38	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	86931	19.53	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	84391	19.29	ug/l	99
85) n-Butylbenzene	13.62	91	187956	18.95	ug/l	100
86) Hexachloroethane	13.88	117	33797	18.48	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	85013	19.86	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	10629	19.88	ug/l	95
89) 1,2,4-Trichlorobenzene	14.92	180	47592	18.88	ug/l	99
90) Hexachlorobutadiene	15.02	225	26049	19.32	ug/l	99
91) Naphthalene	15.14	128	116774	19.34	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	47404	19.58	ug/l	99

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ClientSampleId :
VSTDCCC020EC

Quant Time: Jan 25 03:12:50 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

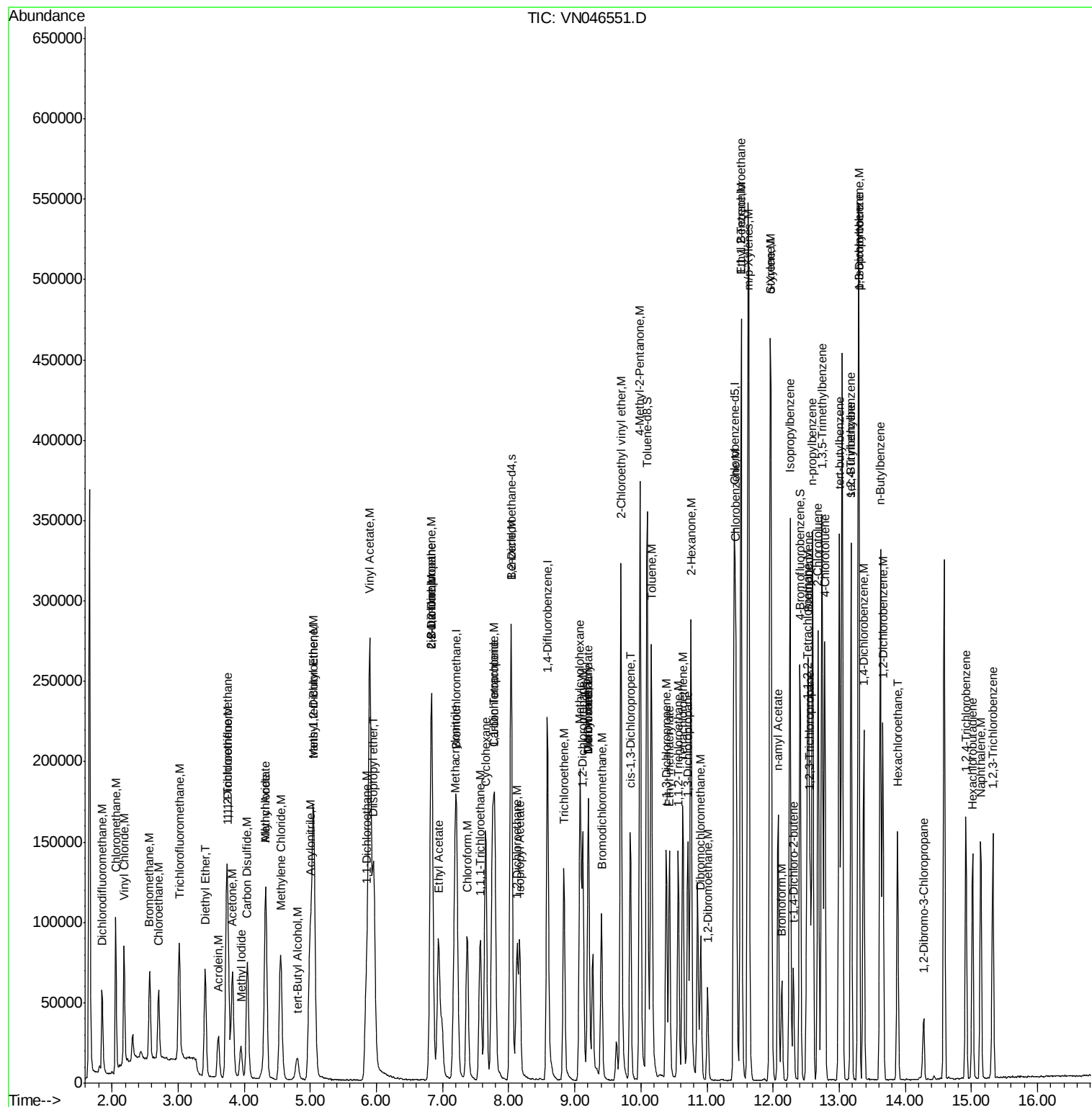
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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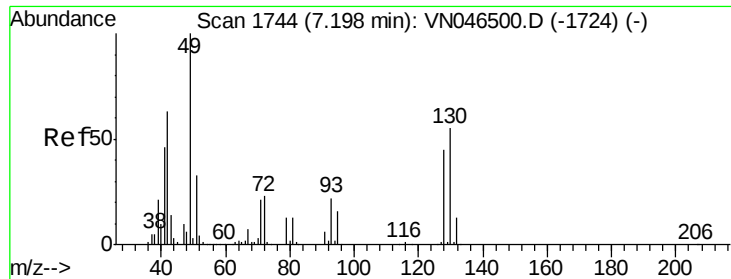
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC020EC

Quant Time: Jan 25 03:12:50 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

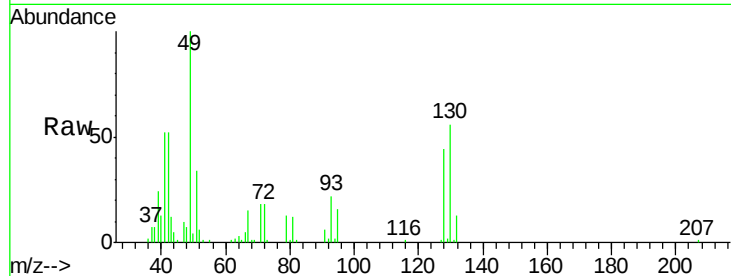
Tgt Ion:128 Resp: 34593

Ion Ratio Lower Upper

128 100

49 225.3 0.0 566.8

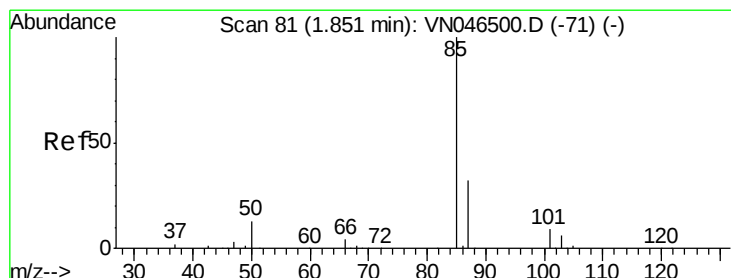
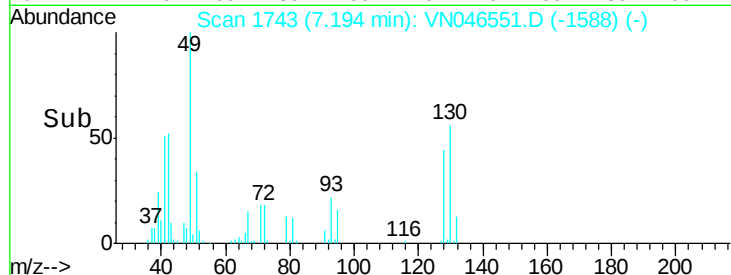
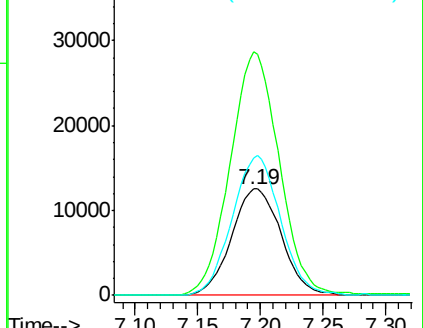
130 127.7 0.0 323.3



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: 19.07 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN046551.D

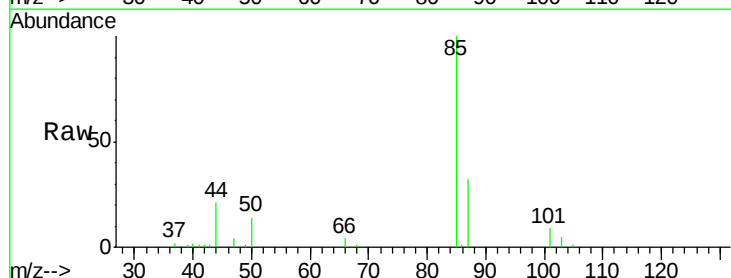
Acq: 24 Jan 2018 18:05

Tgt Ion: 85 Resp: 42906

Ion Ratio Lower Upper

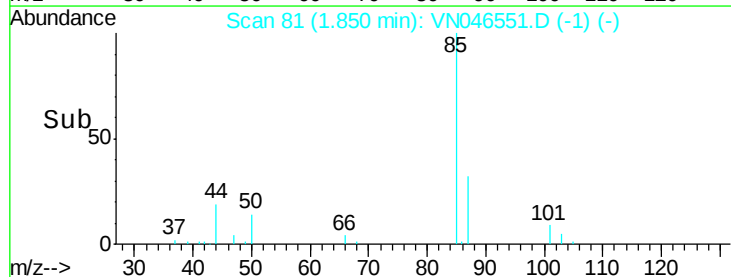
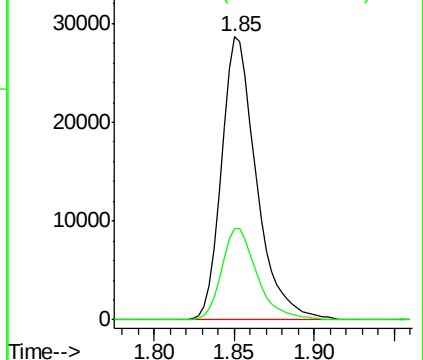
85 100

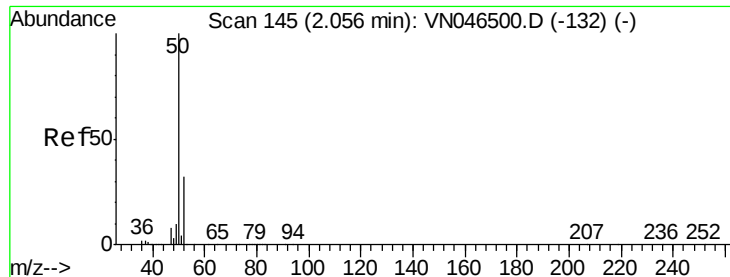
87 32.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.12 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

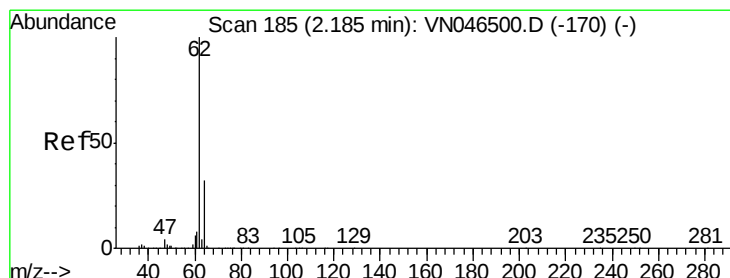
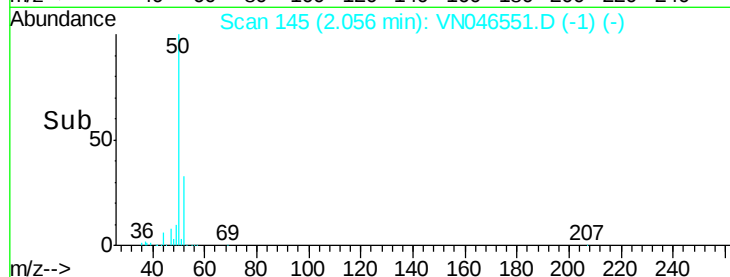
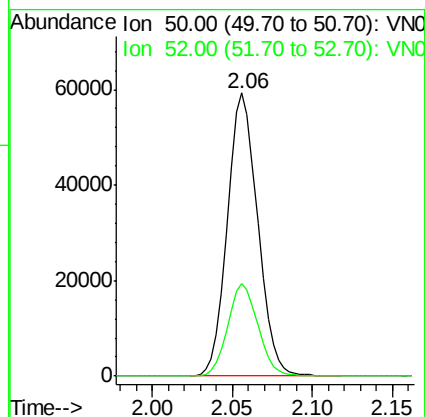
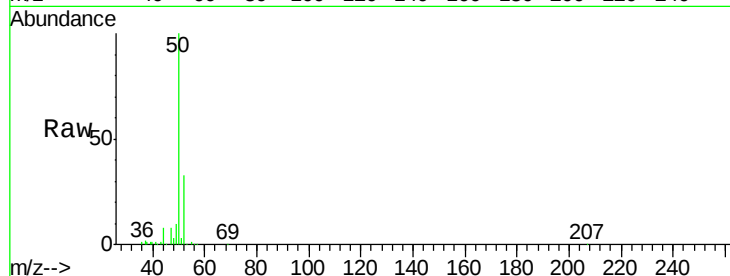
VSTDCCC020EC

Tgt Ion: 50 Resp: 76749

Ion Ratio Lower Upper

50 100

52 32.8 25.8 38.6



#4

Vinyl Chloride

Concen: 19.31 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN046551.D

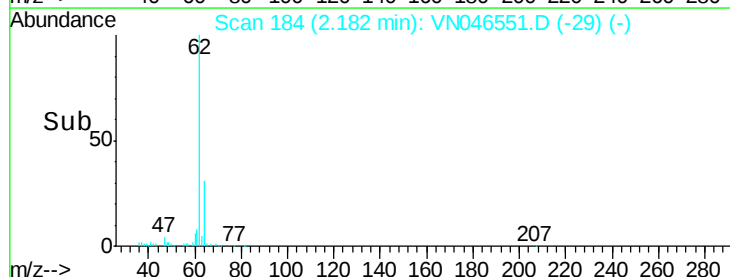
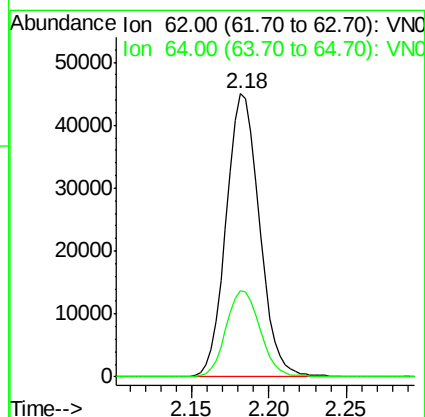
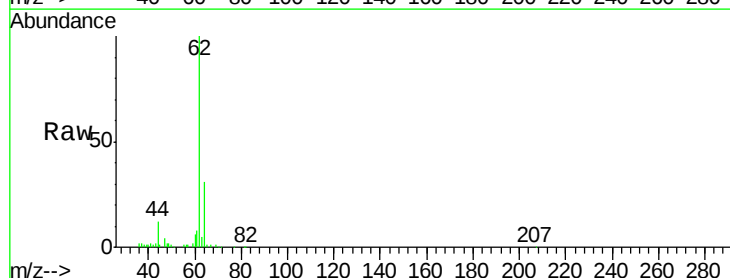
Acq: 24 Jan 2018 18:05

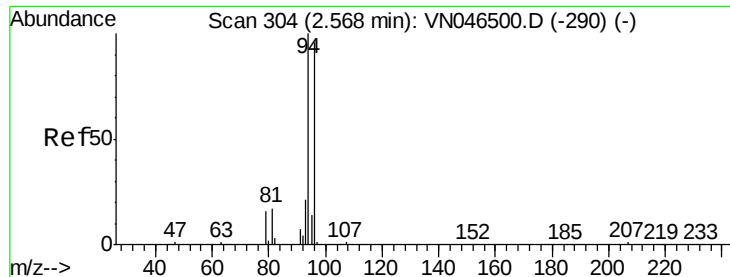
Tgt Ion: 62 Resp: 67330

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 19.72 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

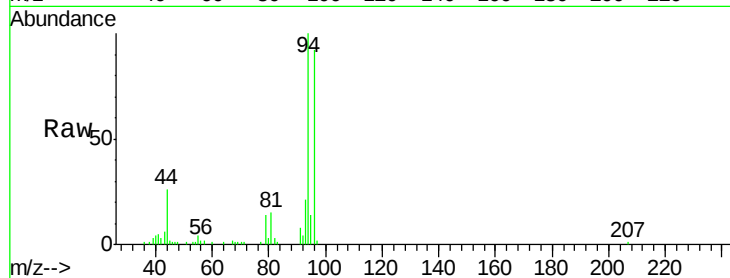
VSTDCCC020EC

Tgt Ion: 94 Resp: 36919

Ion Ratio Lower Upper

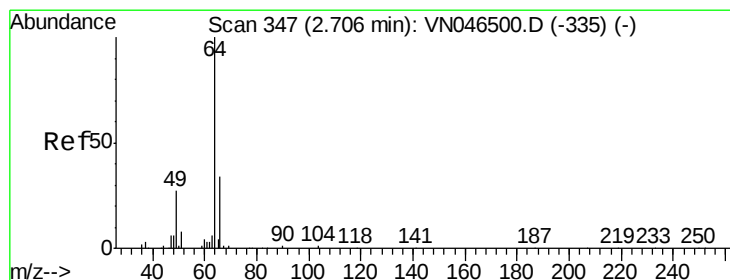
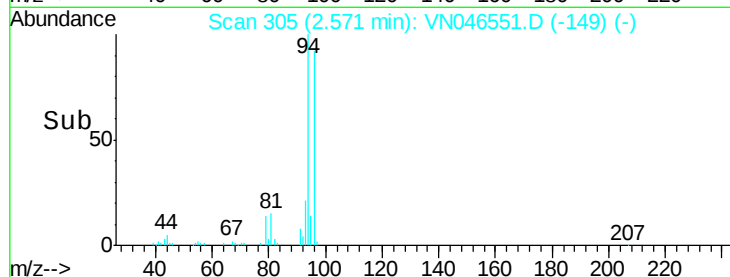
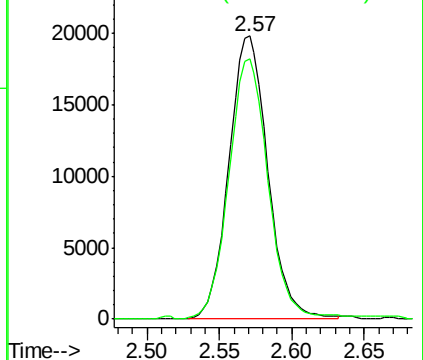
94 100

96 91.1 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.67 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN046551.D

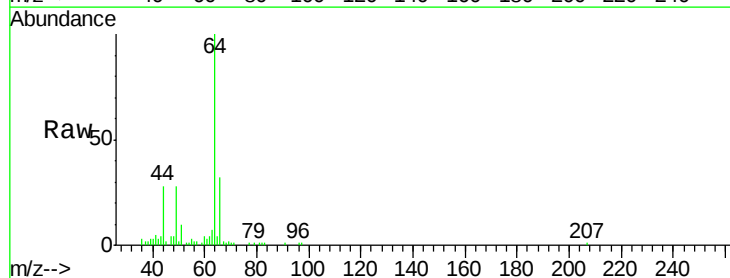
Acq: 24 Jan 2018 18:05

Tgt Ion: 64 Resp: 39209

Ion Ratio Lower Upper

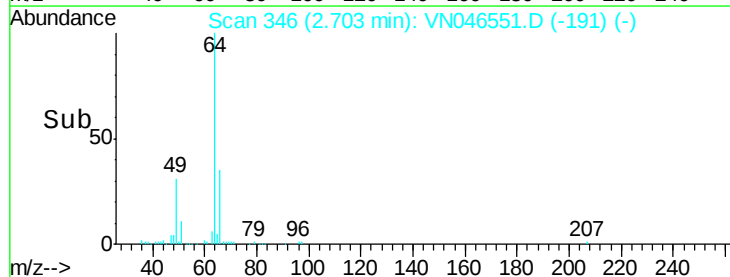
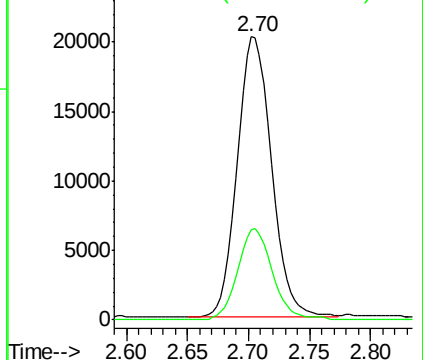
64 100

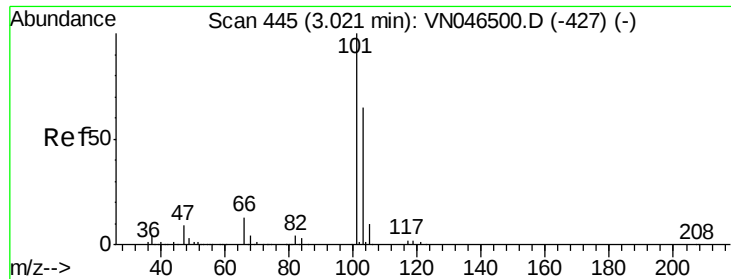
66 32.3 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 19.47 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN046551.D

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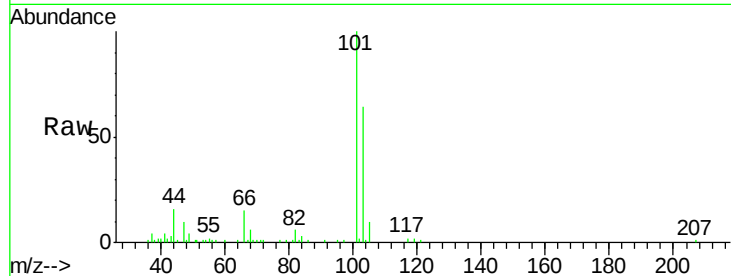
VSTDCCC020EC

Tgt Ion:101 Resp: 66454

Ion Ratio Lower Upper

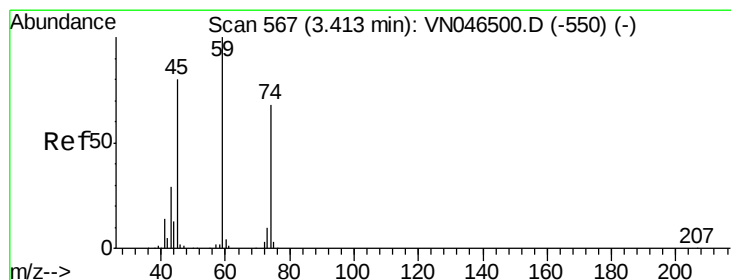
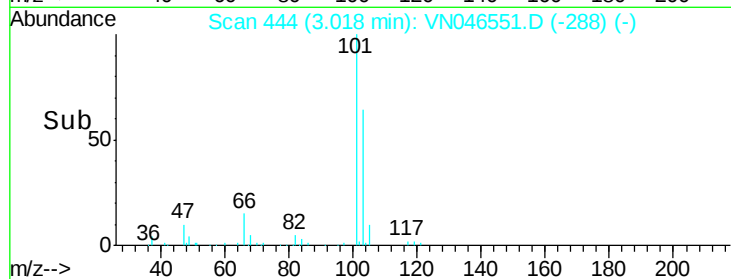
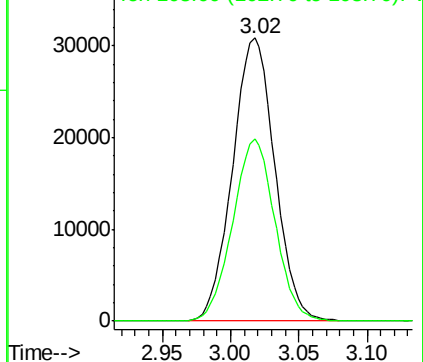
101 100

103 64.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.18 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN046551.D

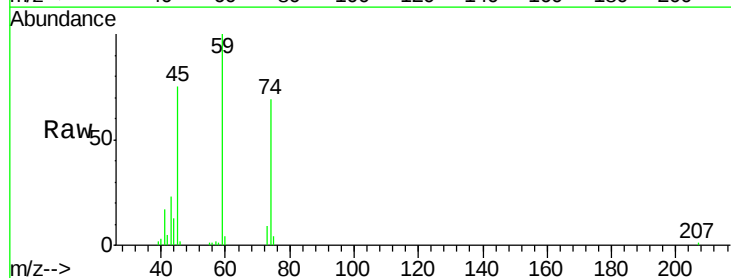
Acq: 24 Jan 2018 18:05

Tgt Ion: 74 Resp: 33268

Ion Ratio Lower Upper

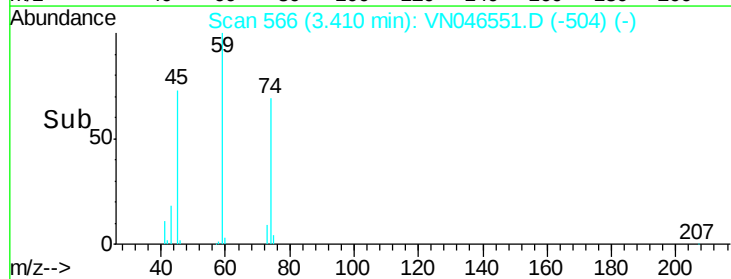
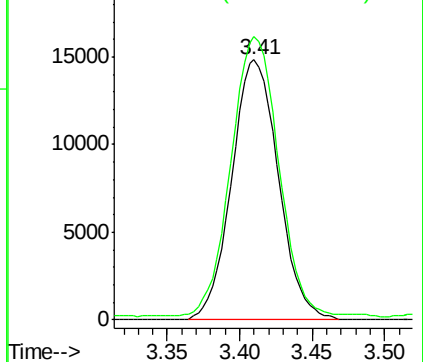
74 100

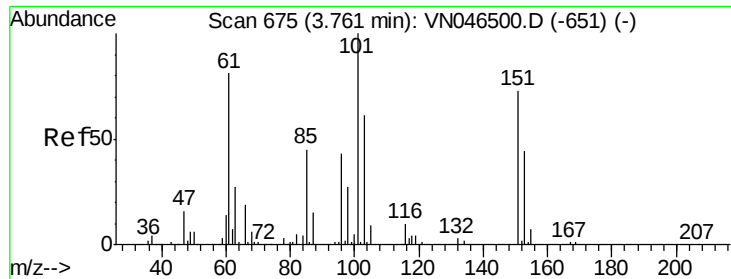
45 108.8 22.0 197.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.44 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN046551.D

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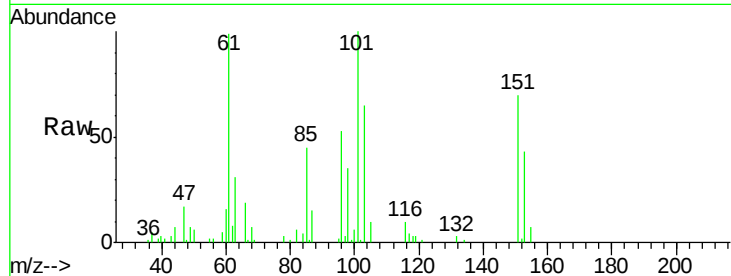
Tgt Ion:101 Resp: 44411

Ion Ratio Lower Upper

101 100

85 45.6 0.0 90.8

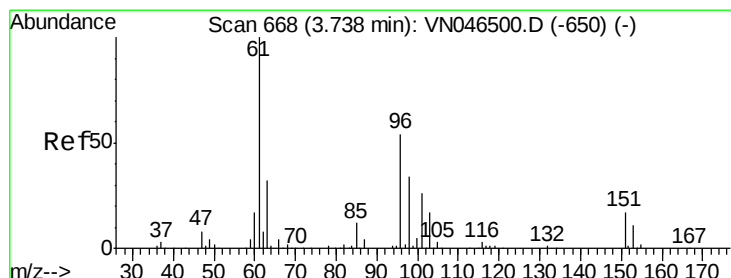
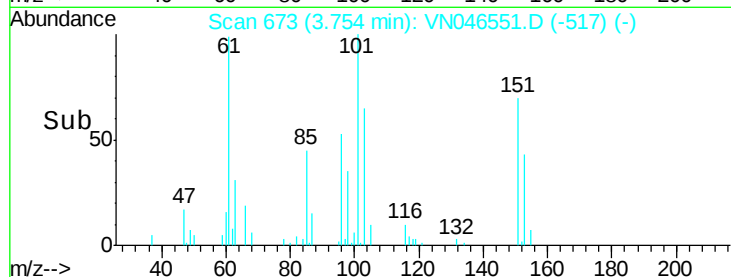
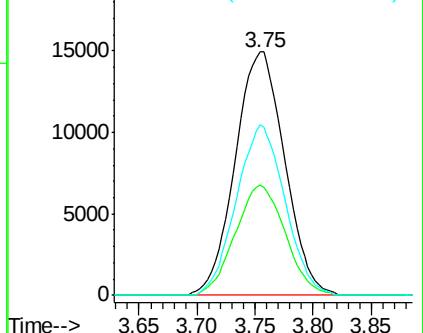
151 68.8 0.0 137.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.17 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

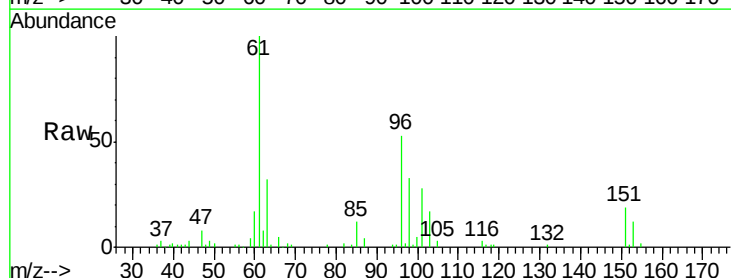
Tgt Ion: 96 Resp: 44193

Ion Ratio Lower Upper

96 100

61 187.3 152.4 228.6

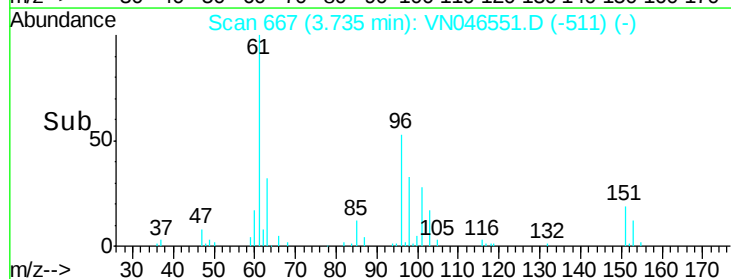
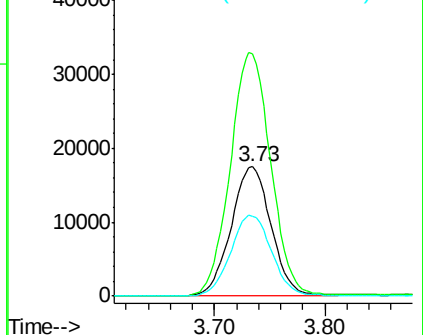
98 62.0 51.3 76.9

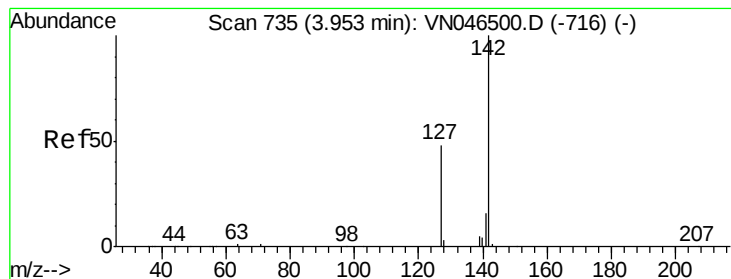


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





#11

Methyl Iodide

Concen: 16.59 ug/l

RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

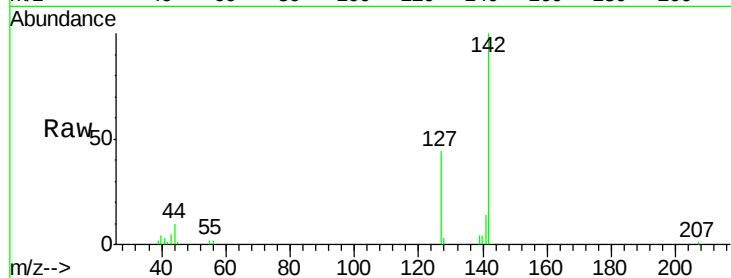
Tgt Ion:142 Resp: 31708

Ion Ratio Lower Upper

142 100

127 44.5 21.1 63.3

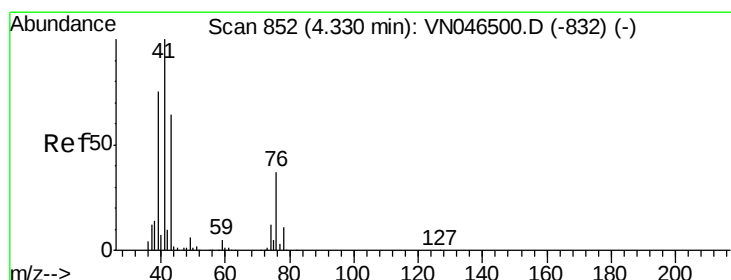
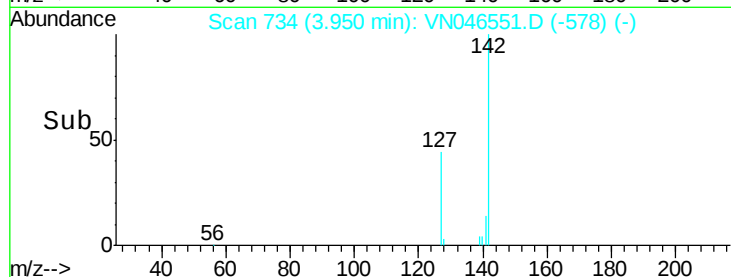
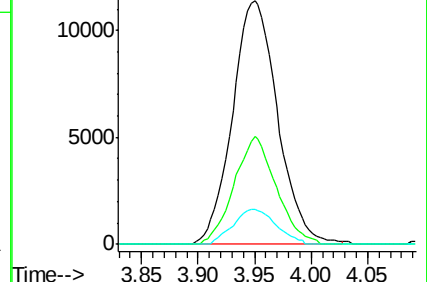
141 14.4 7.3 21.9



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: 20.61 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN046551.D

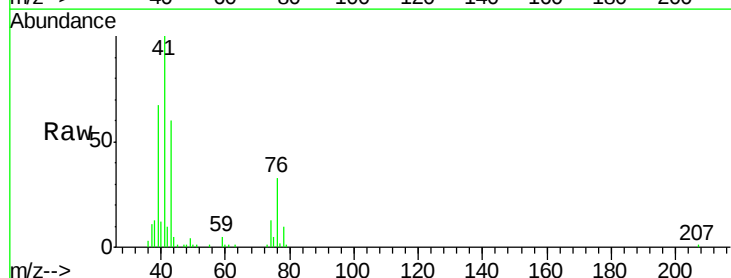
Acq: 24 Jan 2018 18:05

Tgt Ion: 43 Resp: 54085

Ion Ratio Lower Upper

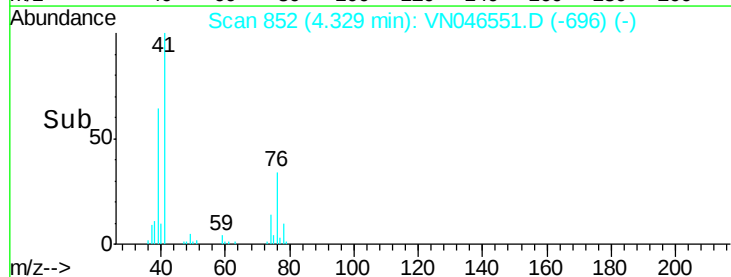
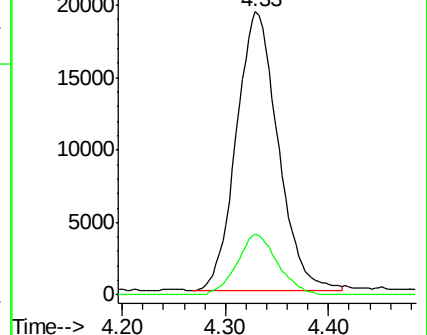
43 100

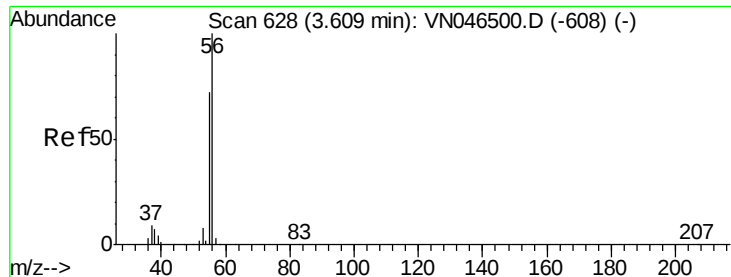
74 22.1 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 94.73 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

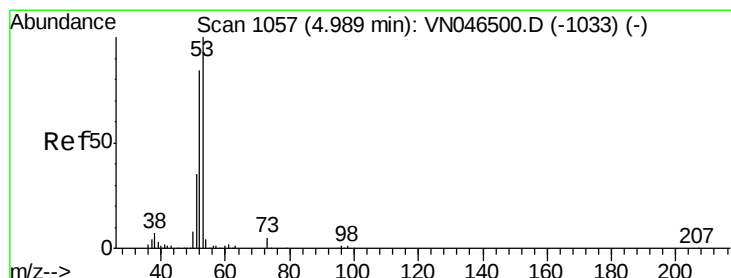
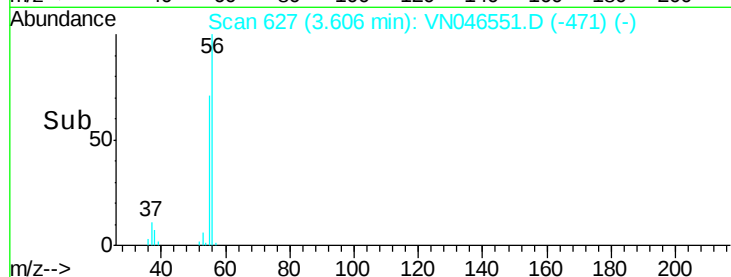
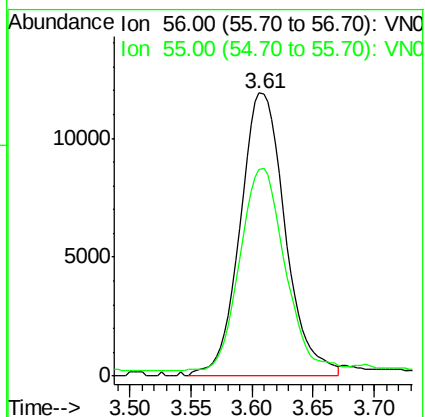
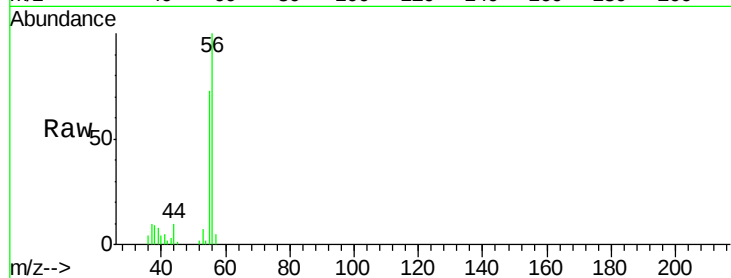
VSTDCCC020EC

Tgt Ion: 56 Resp: 30574

Ion Ratio Lower Upper

56 100

55 69.7 58.9 88.3



#14

Acrylonitrile

Concen: 102.45 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

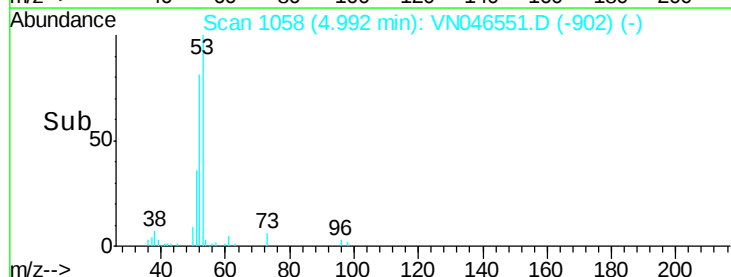
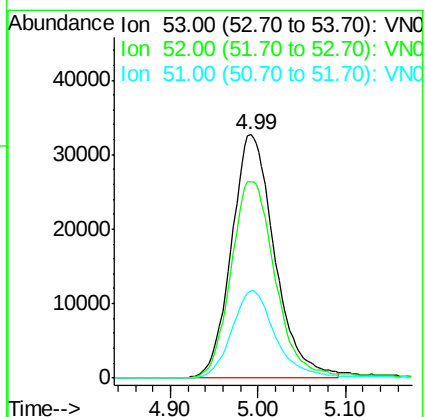
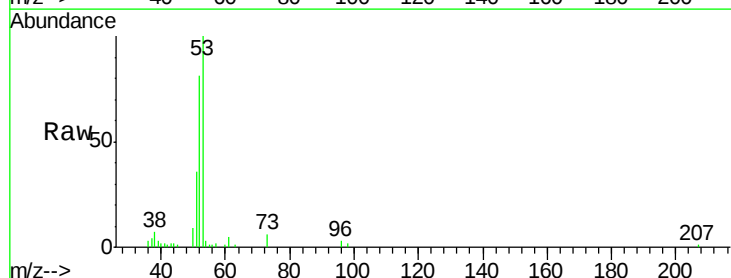
Tgt Ion: 53 Resp: 112097

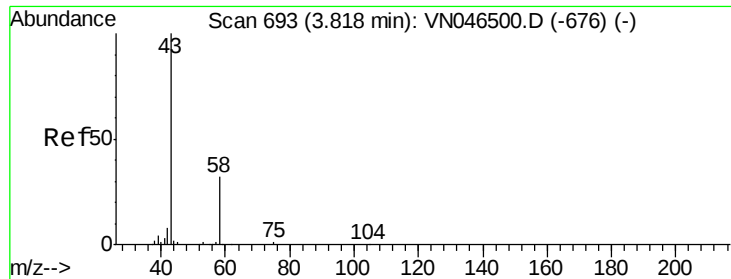
Ion Ratio Lower Upper

53 100

52 82.1 40.9 122.7

51 36.1 18.1 54.1





#15

Acetone

Concen: 100.02 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

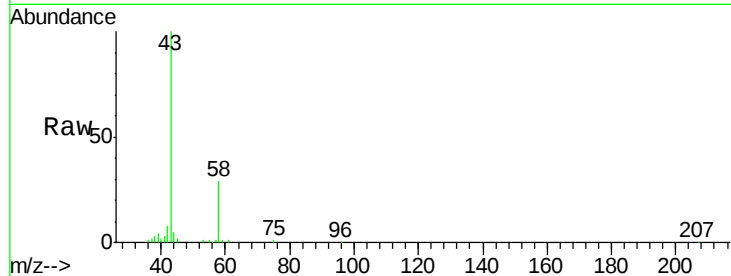
VSTDCCC020EC

Tgt Ion: 58 Resp: 32989

Ion Ratio Lower Upper

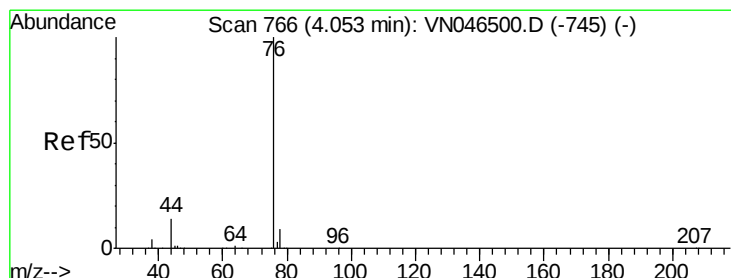
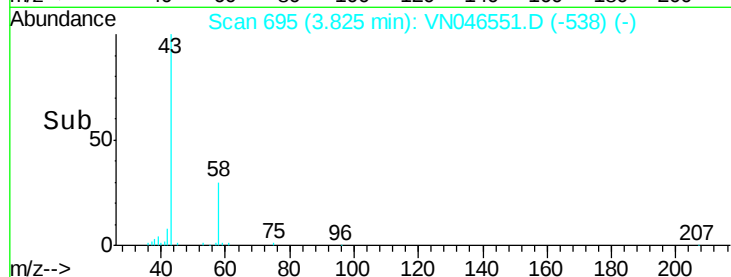
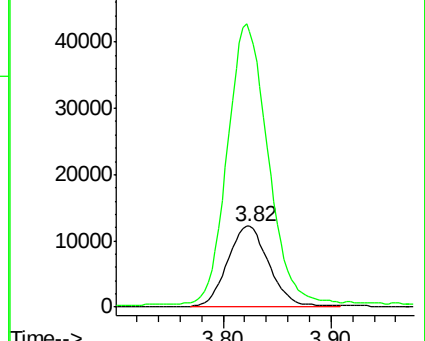
58 100

43 335.4 285.3 427.9



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: 18.76 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN046551.D

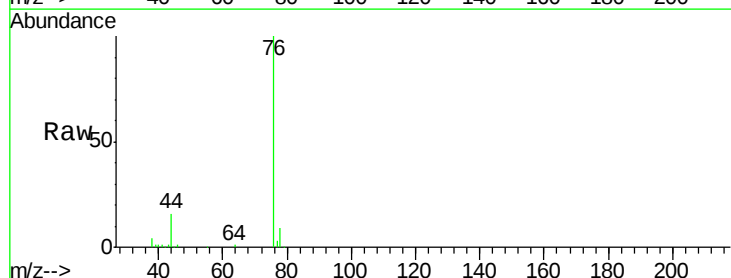
Acq: 24 Jan 2018 18:05

Tgt Ion: 76 Resp: 144484

Ion Ratio Lower Upper

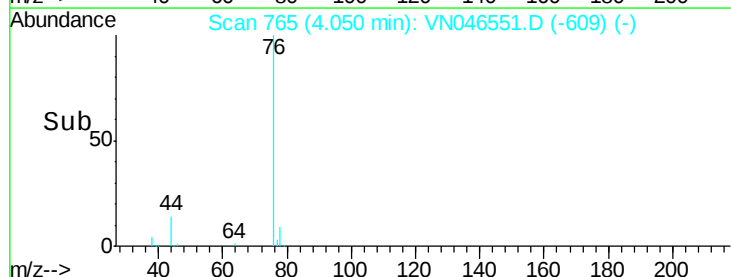
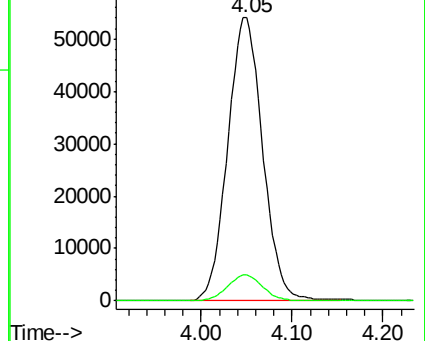
76 100

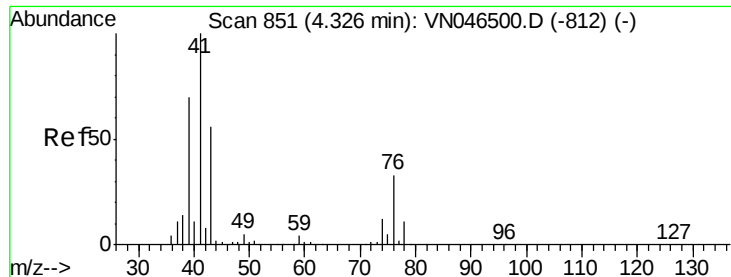
78 9.1 7.2 10.8



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

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

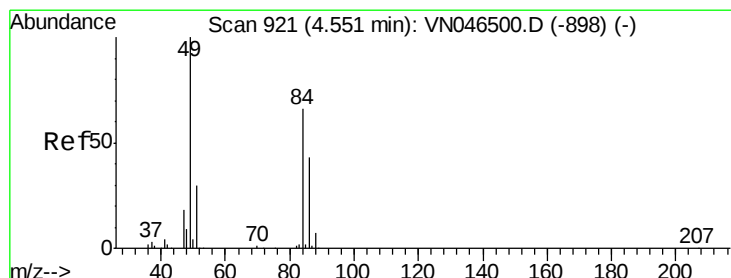
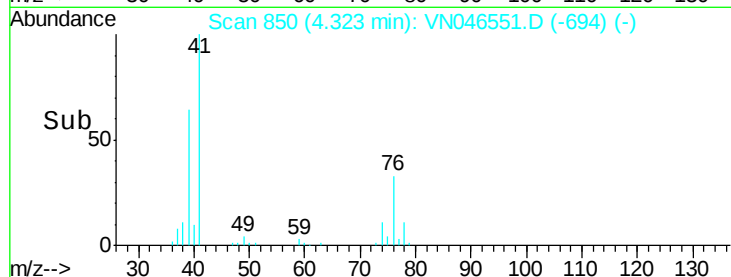
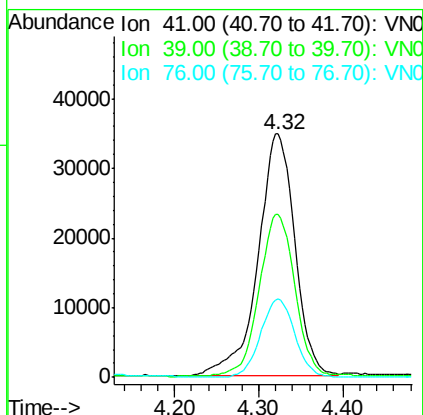
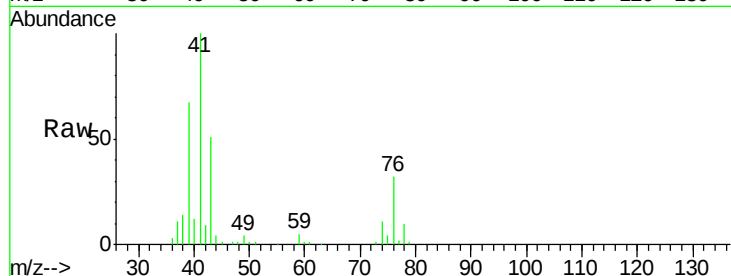




#17
 Allyl chloride
 Concen: 19.42 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

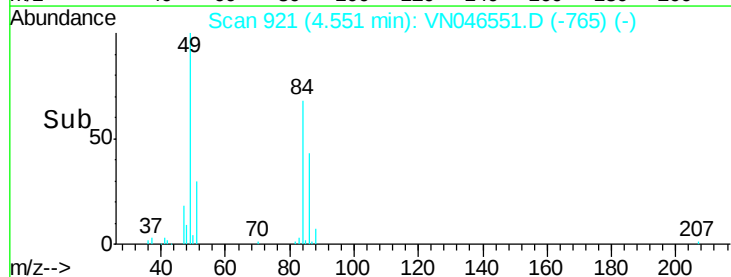
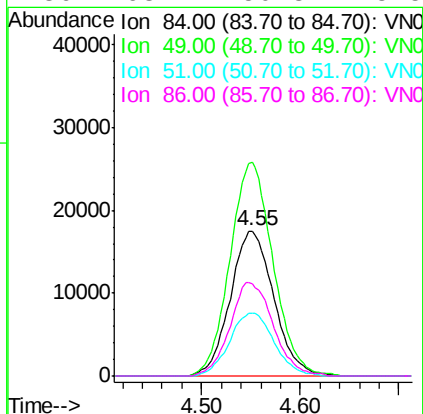
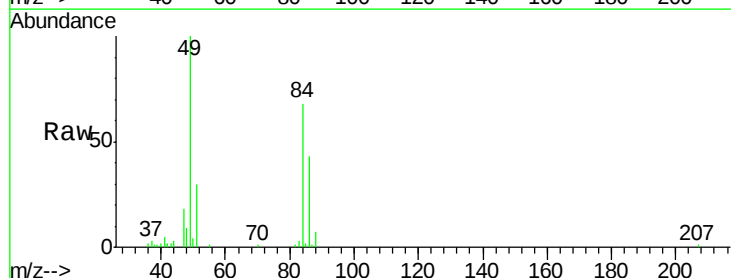
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

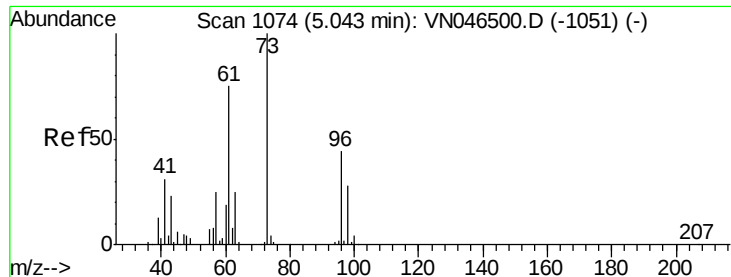
Tgt Ion: 41 Resp: 104546
 Ion Ratio Lower Upper
 41 100
 39 66.8 33.5 100.4
 76 32.5 15.9 47.7



#18
 Methylene Chloride
 Concen: 19.61 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion: 84 Resp: 53732
 Ion Ratio Lower Upper
 84 100
 49 147.1 113.9 170.9
 51 43.5 36.3 54.5
 86 63.1 50.3 75.5





#19

trans-1,2-Dichloroethene

Concen: 19.37 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

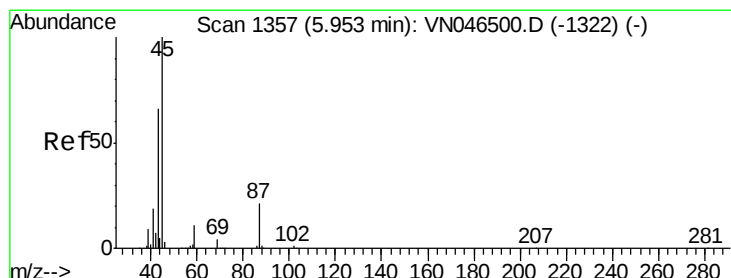
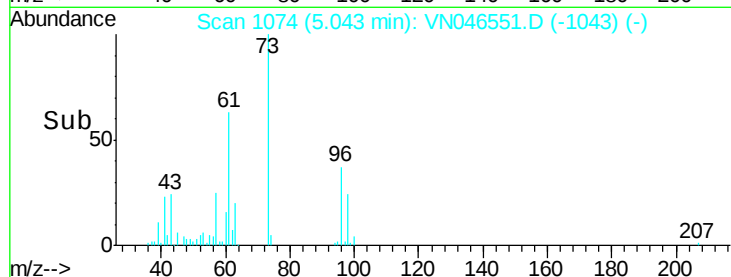
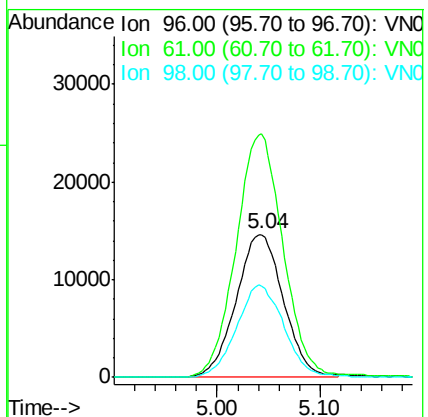
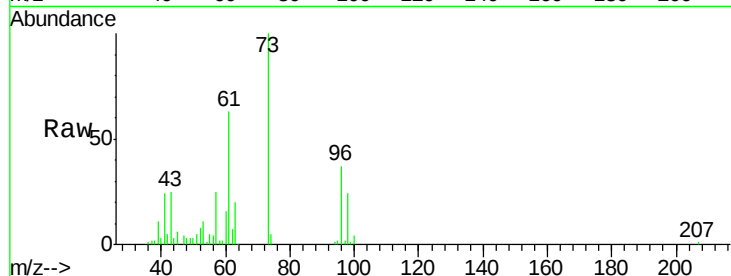
Tgt Ion: 96 Resp: 46648

Ion Ratio Lower Upper

96 100

61 170.2 137.3 205.9

98 64.0 52.3 78.5



#20

Diisopropyl ether

Concen: 19.14 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Tgt Ion: 45 Resp: 189969

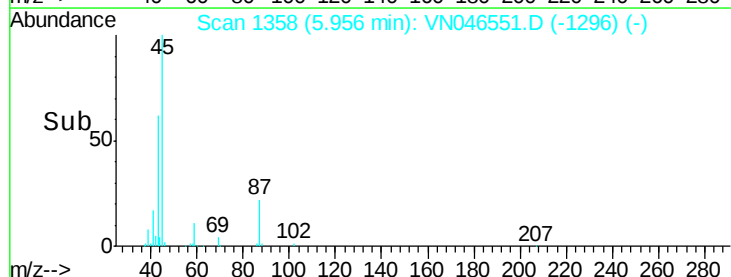
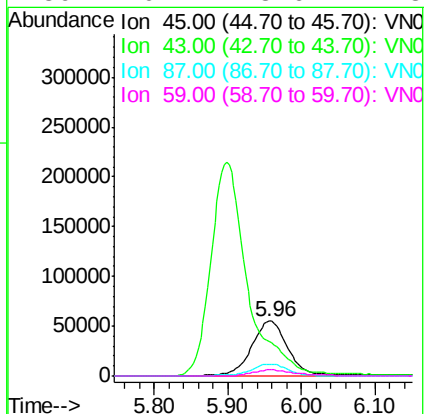
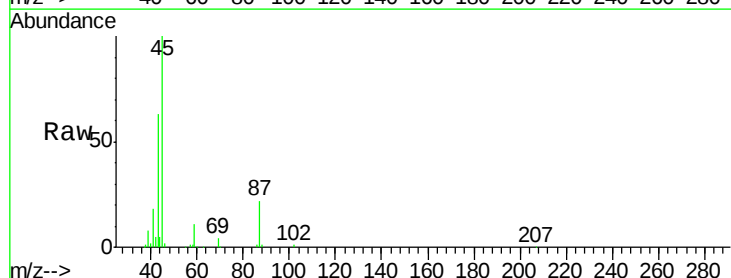
Ion Ratio Lower Upper

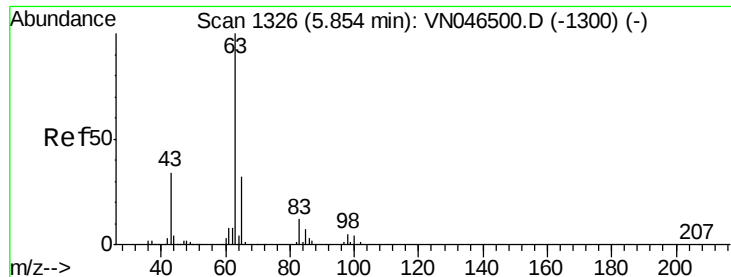
45 100

43 58.0 45.1 67.7

87 21.4 16.6 24.8

59 10.4 8.6 12.8





#21

1,1-Dichloroethane

Concen: 19.82 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

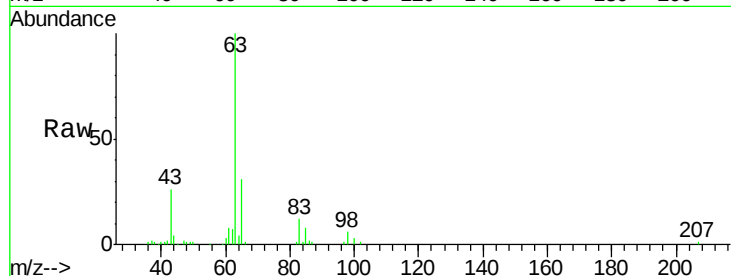
Tgt Ion: 63 Resp: 106766

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.9

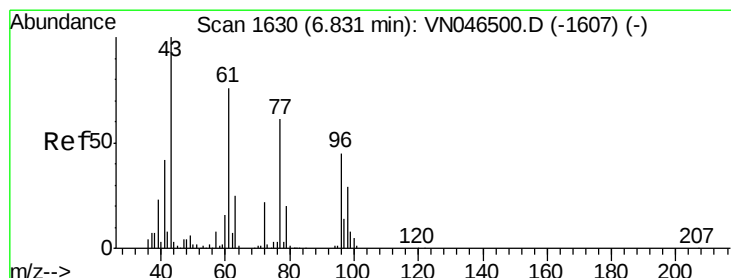
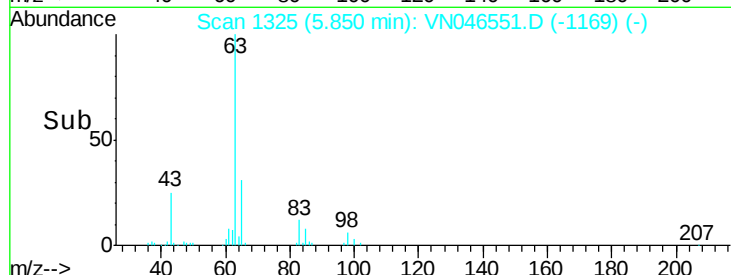
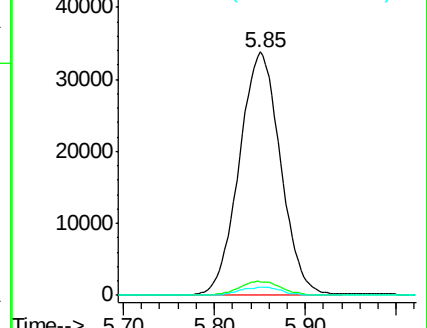
100 3.5 1.7 5.0



Abundance Ion 63.00 (62.70 to 63.70): VN046551.D (-1169) (-)

Ion 98.00 (97.70 to 98.70): VN046551.D (-1169) (-)

Ion 100.00 (99.70 to 100.70): VN046551.D (-1169) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.64 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

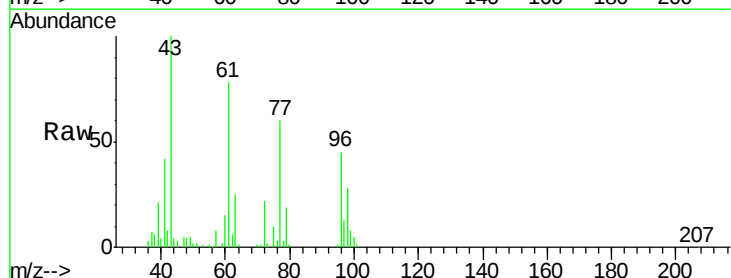
Tgt Ion: 96 Resp: 55073

Ion Ratio Lower Upper

96 100

61 174.9 141.3 211.9

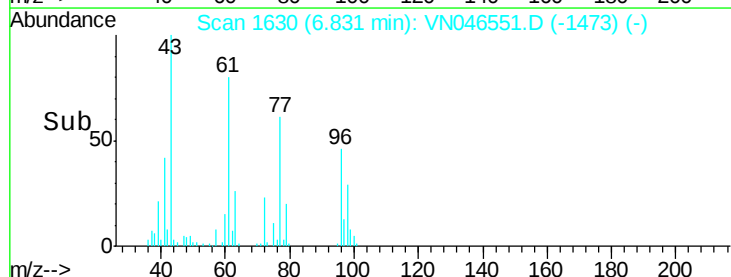
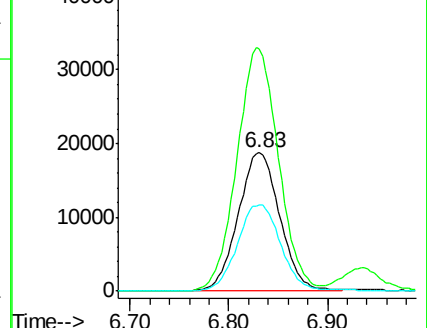
98 64.7 51.0 76.6

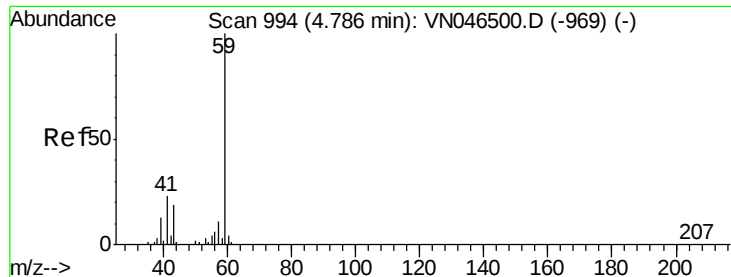


Abundance Ion 96.00 (95.70 to 96.70): VN046551.D (-1473) (-)

Ion 61.00 (60.70 to 61.70): VN046551.D (-1473) (-)

Ion 98.00 (97.70 to 98.70): VN046551.D (-1473) (-)





#23

tert-Butyl Alcohol

Concen: 106.01 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

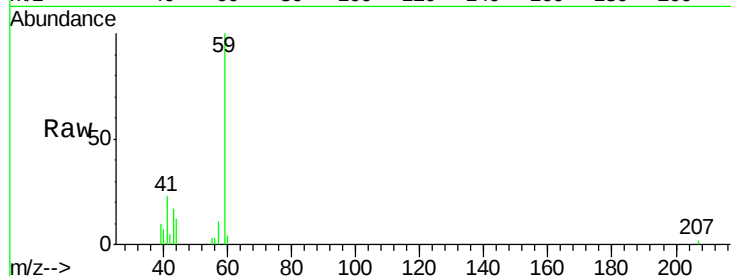
VSTDCCC020EC

Tgt Ion: 59 Resp: 27760

Ion Ratio Lower Upper

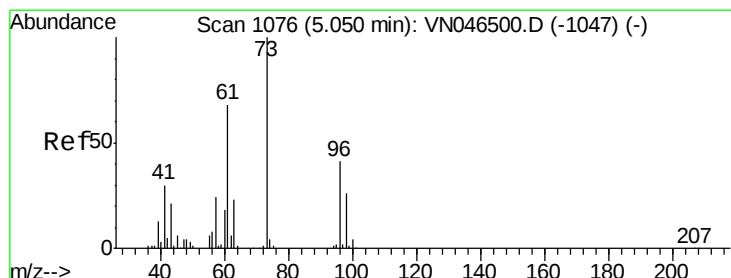
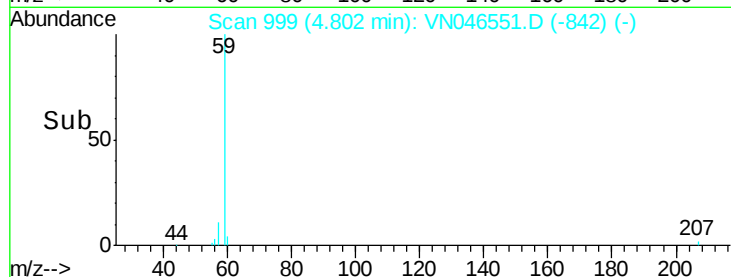
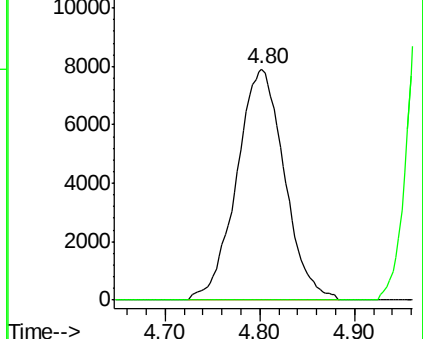
59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN046551.D (-842) (-)

Ion 52.00 (51.70 to 52.70): VN046551.D (-842) (-)



#24

Methyl tert-Butyl Ether

Concen: 20.17 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN046551.D

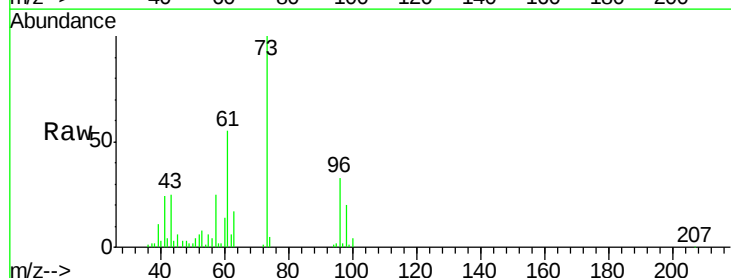
Acq: 24 Jan 2018 18:05

Tgt Ion: 73 Resp: 151924

Ion Ratio Lower Upper

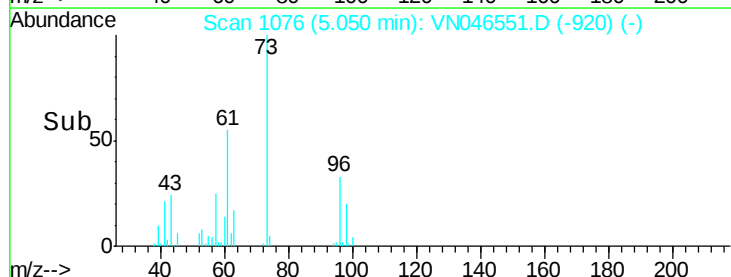
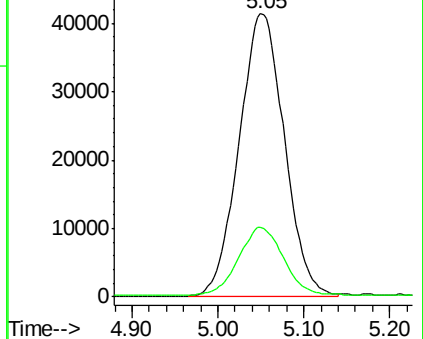
73 100

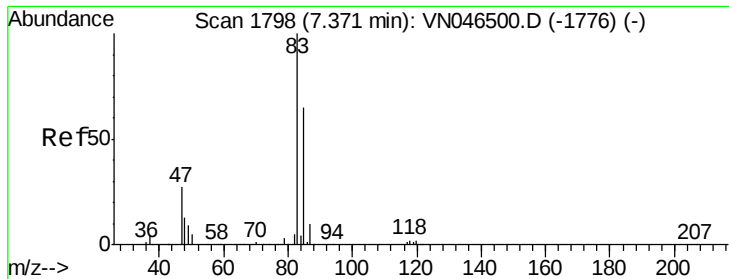
43 23.9 19.0 28.6



Abundance Ion 73.00 (72.70 to 73.70): VN046551.D (-920) (-)

Ion 43.00 (42.70 to 43.70): VN046551.D (-920) (-)





#25

Chloroform

Concen: 19.74 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

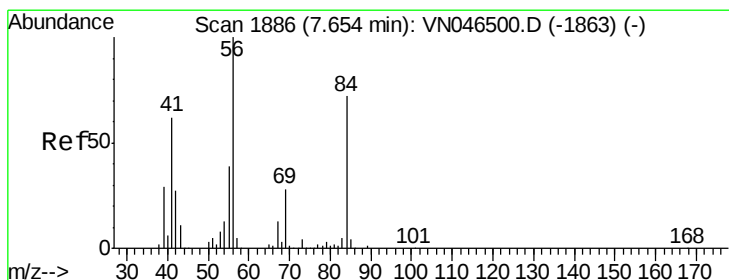
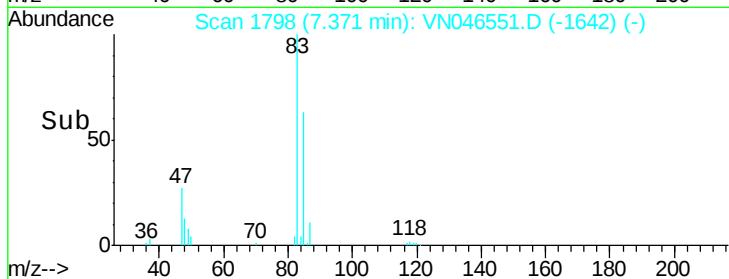
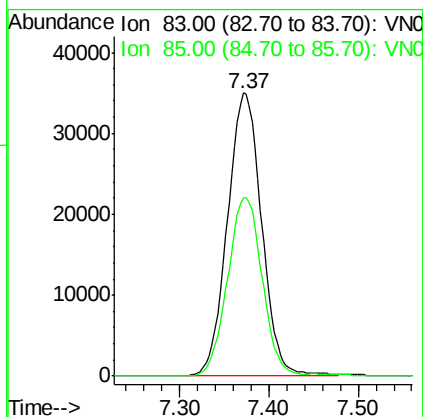
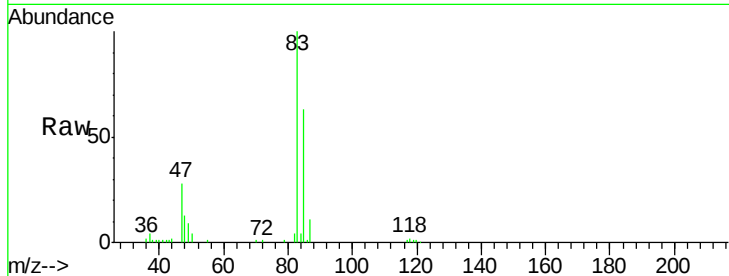
VSTDCCC020EC

Tgt Ion: 83 Resp: 93135

Ion Ratio Lower Upper

83 100

85 63.2 51.4 77.0



#26

Cyclohexane

Concen: 19.14 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

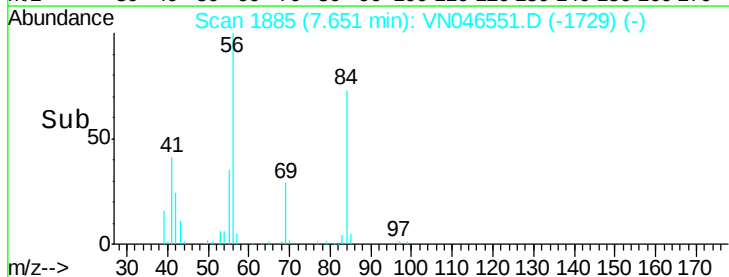
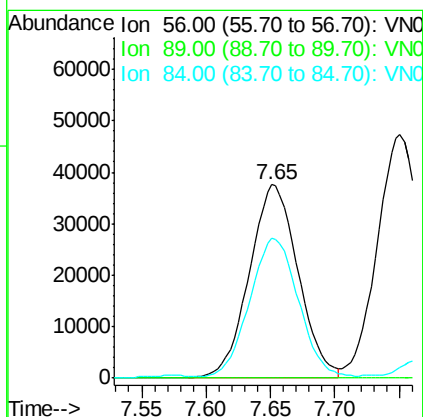
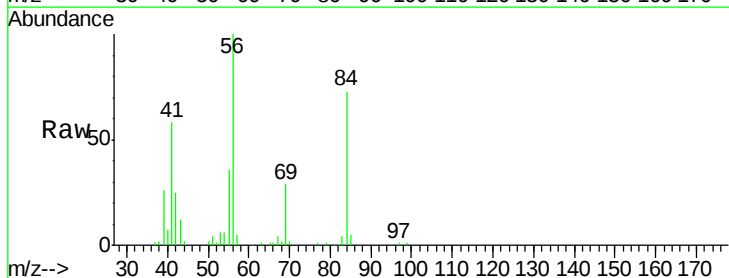
Tgt Ion: 56 Resp: 99017

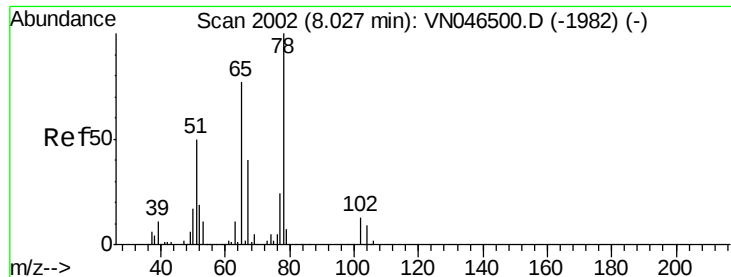
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 72.7 56.8 85.2





#27

1,2-Dichloroethane-d4

Concen: 30.38 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

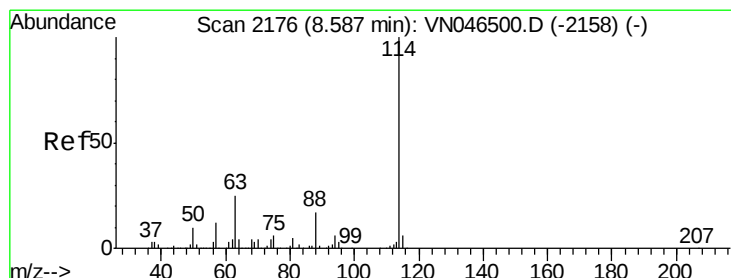
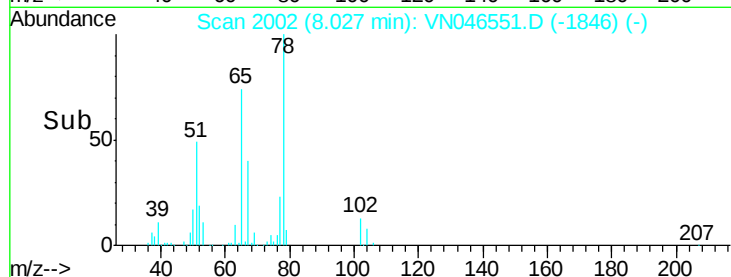
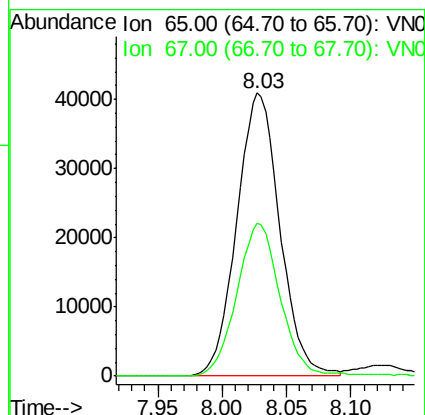
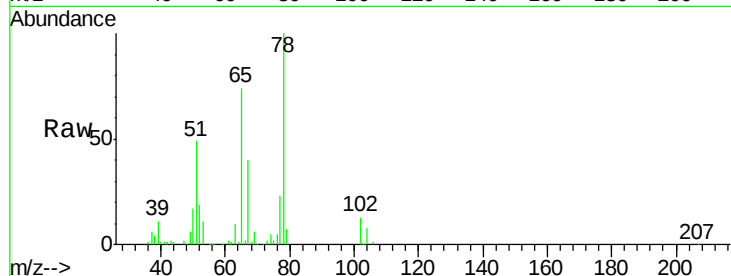
VSTDCCC020EC

Tgt Ion: 65 Resp: 95244

Ion Ratio Lower Upper

65 100

67 53.8 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: VN046551.D

Acq: 24 Jan 2018 18:05

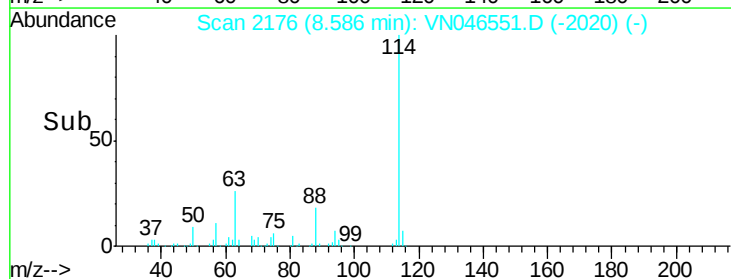
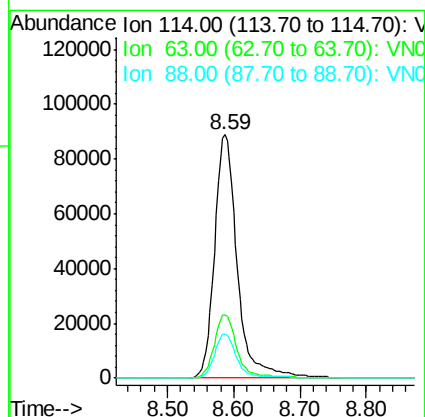
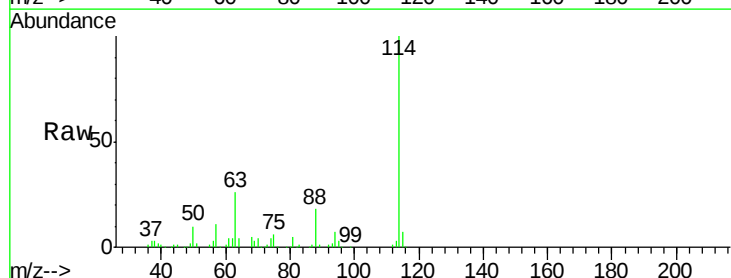
Tgt Ion: 114 Resp: 211646

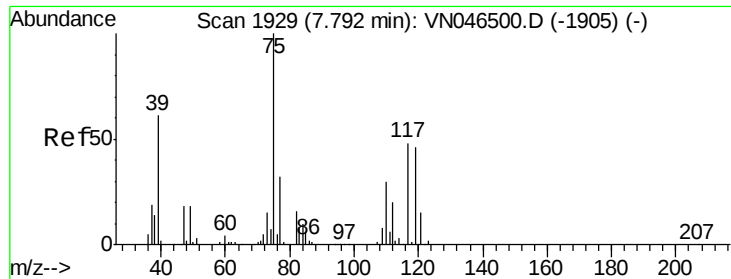
Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.4

88 17.6 14.2 21.2

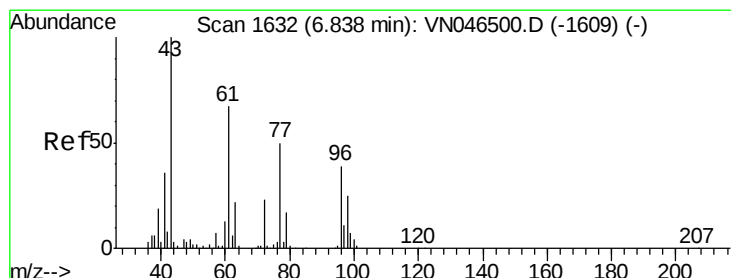
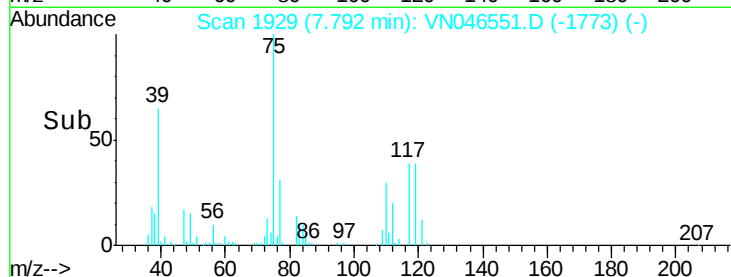
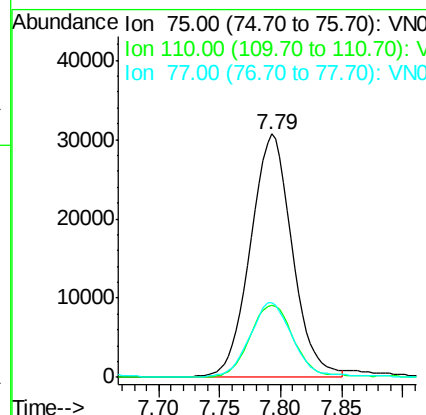
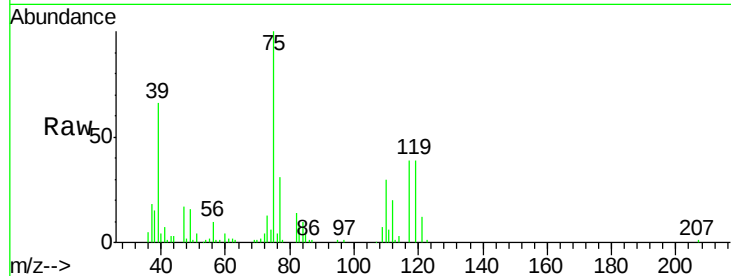




#29
 1,1-Dichloropropene
 Concen: 18.71 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

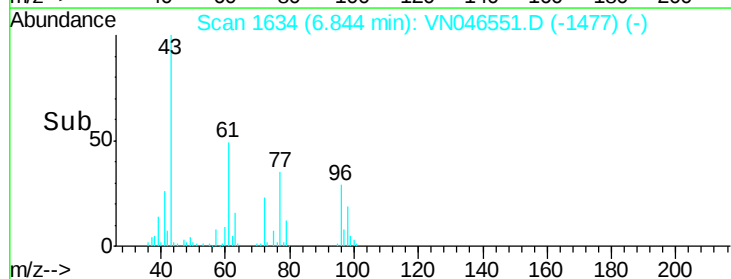
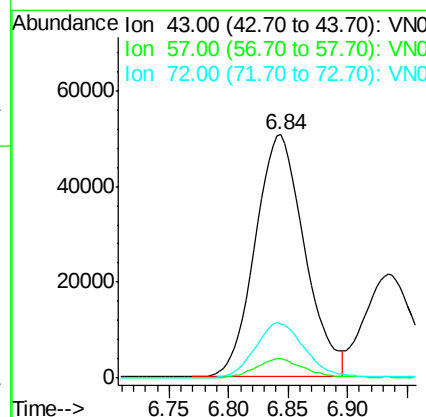
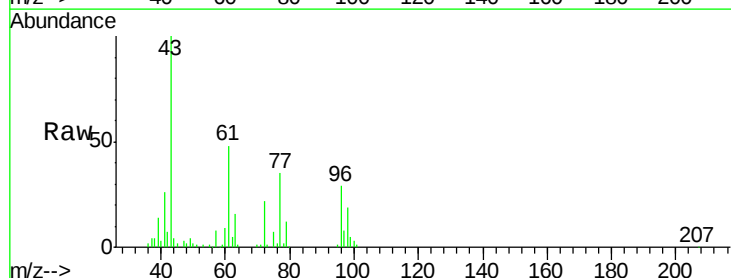
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

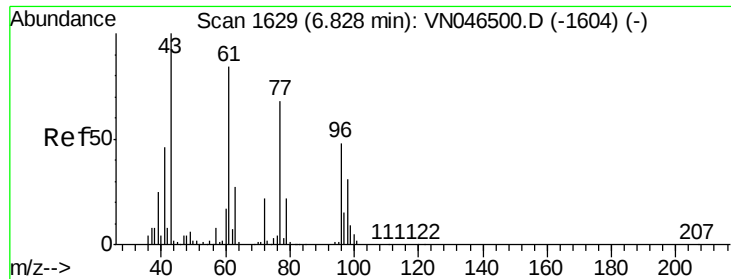
Tgt Ion: 75 Resp: 72939
 Ion Ratio Lower Upper
 75 100
 110 31.4 0.0 61.0
 77 32.1 0.0 63.2



#30
 2-Butanone
 Concen: 101.64 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion: 43 Resp: 145369
 Ion Ratio Lower Upper
 43 100
 57 8.1 6.8 10.2
 72 23.3 18.9 28.3

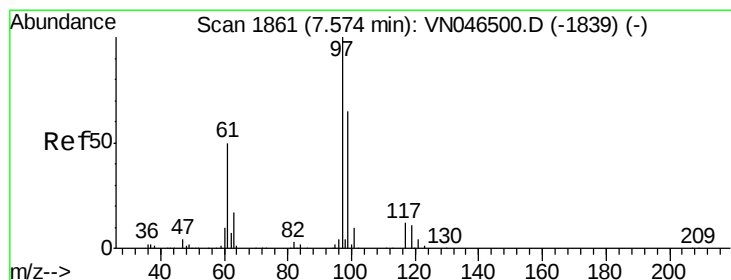
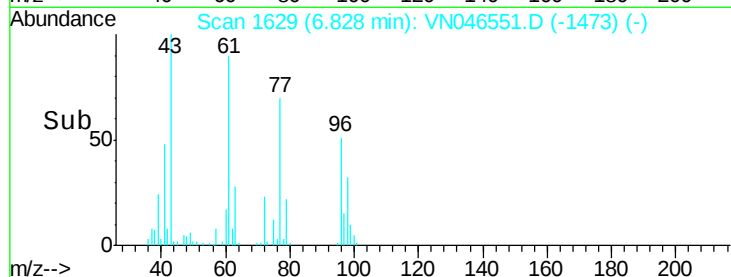
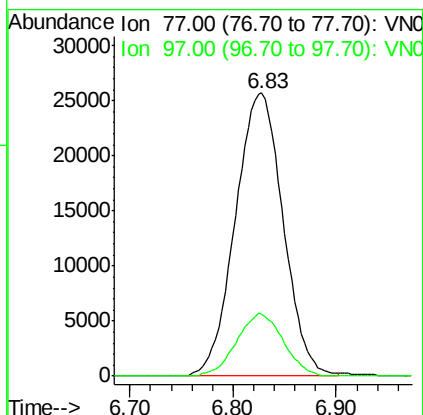
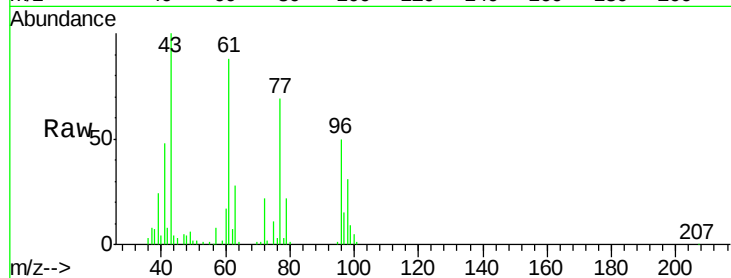




#31
 2,2-Dichloropropane
 Concen: 18.98 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

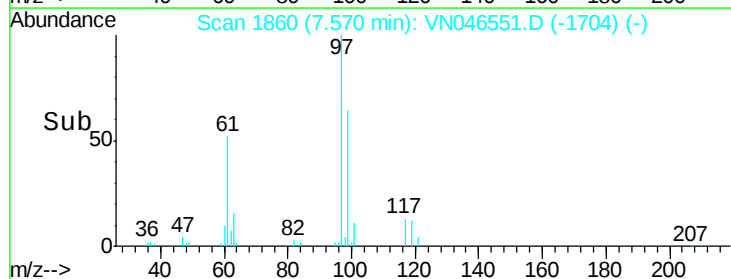
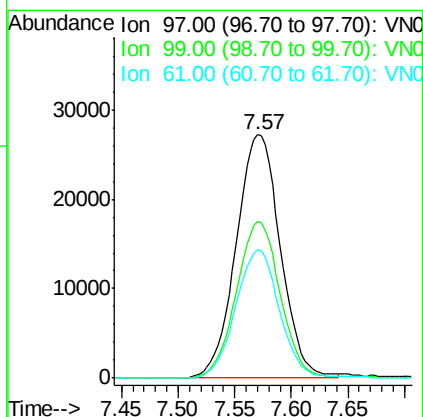
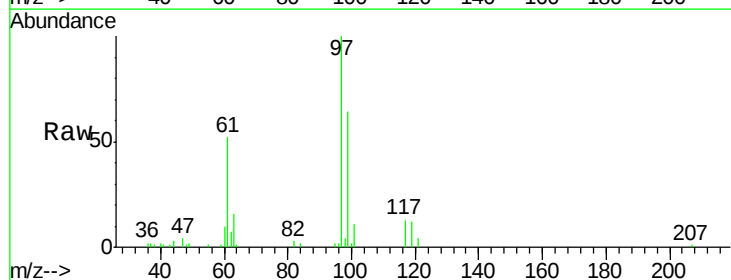
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

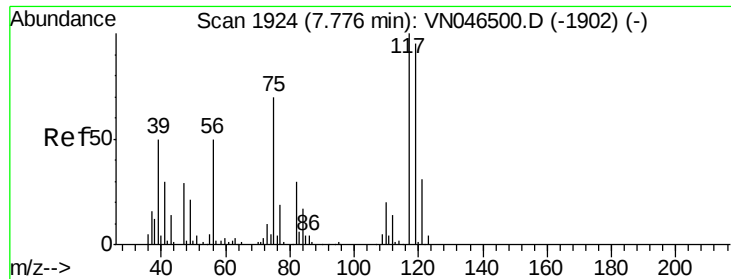
Tgt Ion: 77 Resp: 82667
 Ion Ratio Lower Upper
 77 100
 97 21.5 17.2 25.8



#32
 1,1,1-Trichloroethane
 Concen: 19.17 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion: 97 Resp: 73944
 Ion Ratio Lower Upper
 97 100
 99 63.6 50.4 75.6
 61 51.9 41.3 61.9

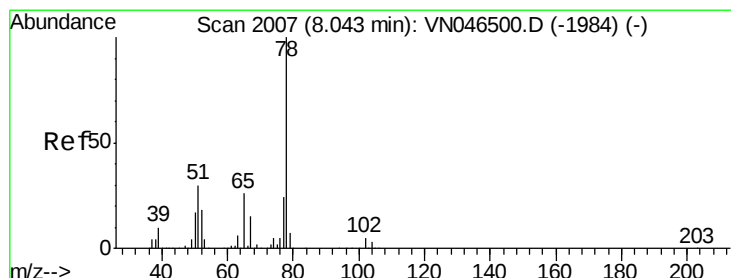
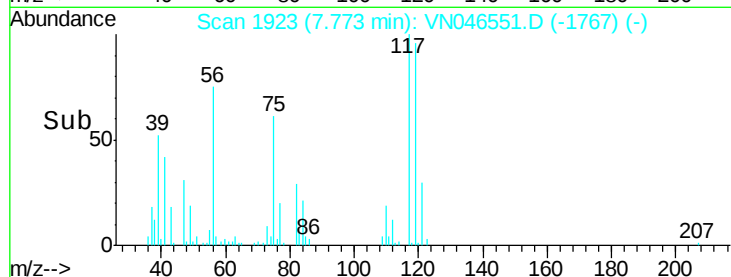
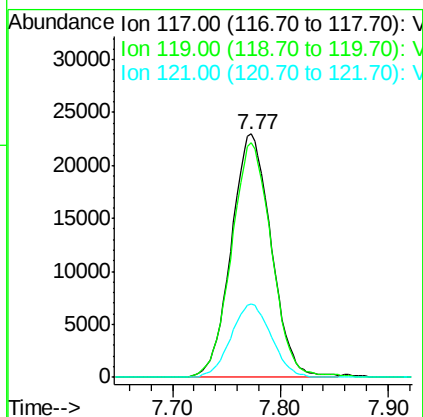
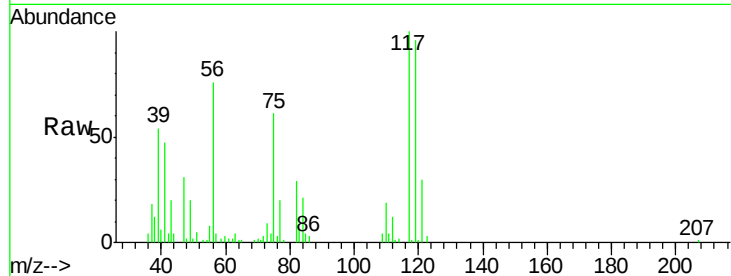




#33
Carbon Tetrachloride
Concen: 19.04 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

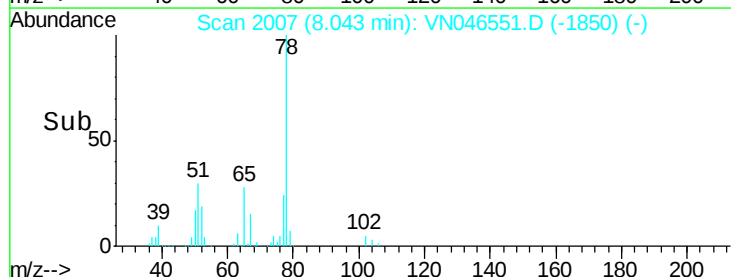
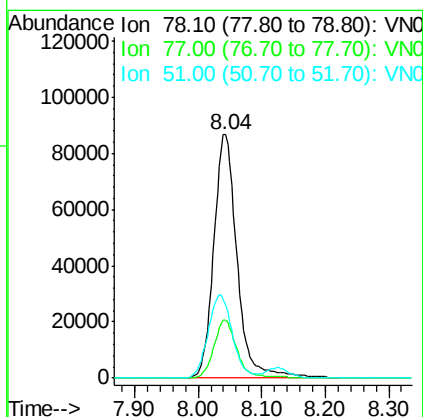
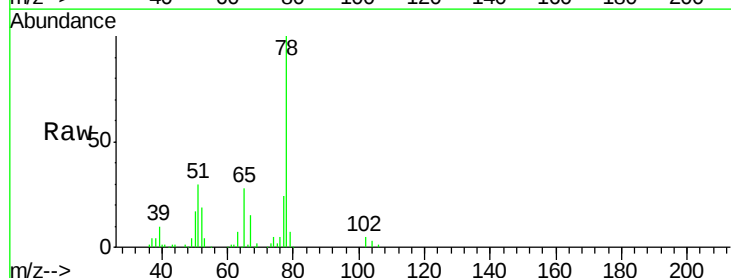
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

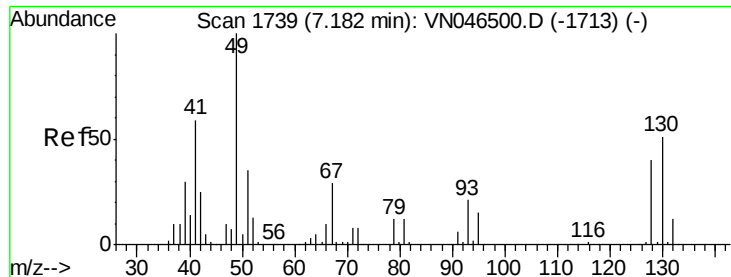
Tgt Ion: 117 Resp: 59054
Ion Ratio Lower Upper
117 100
119 96.3 77.7 116.5
121 30.0 25.1 37.7



#34
Benzene
Concen: 19.82 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 78 Resp: 221143
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2
51 30.1 25.4 38.0

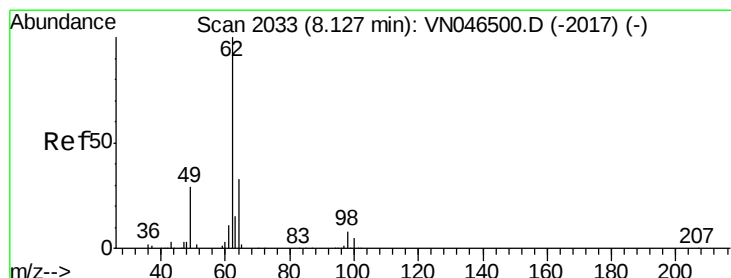
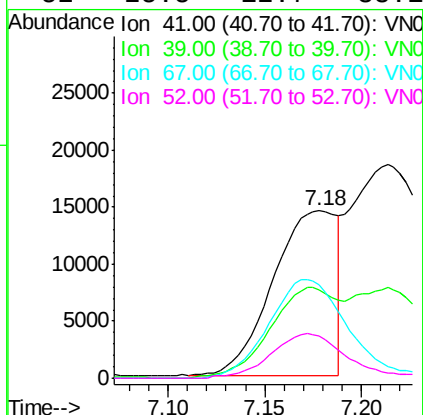
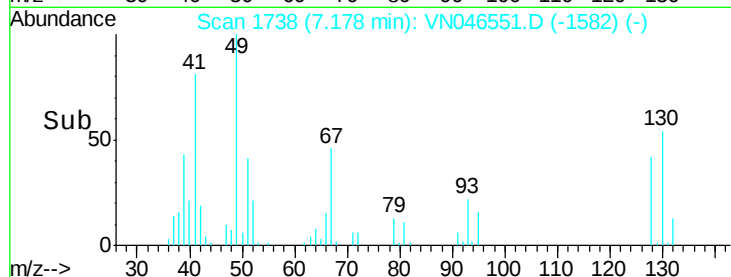
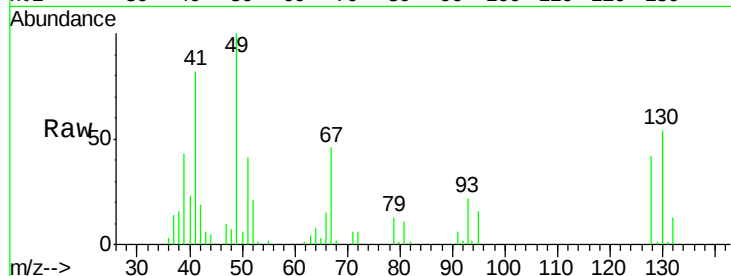




#35
Methacrylonitrile
Concen: 19.76 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

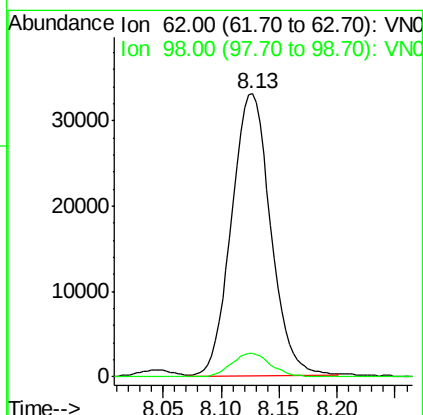
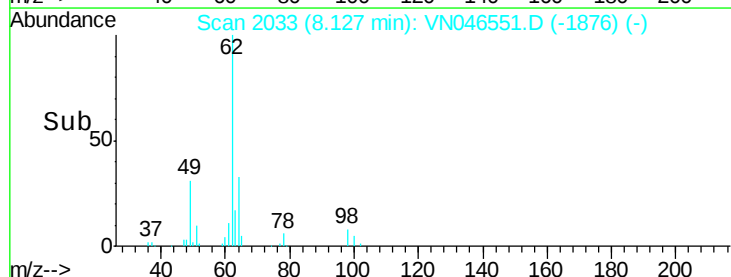
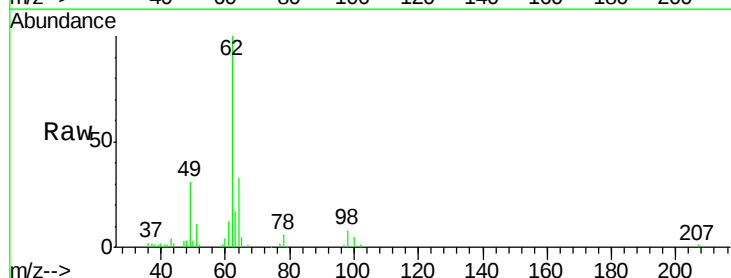
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

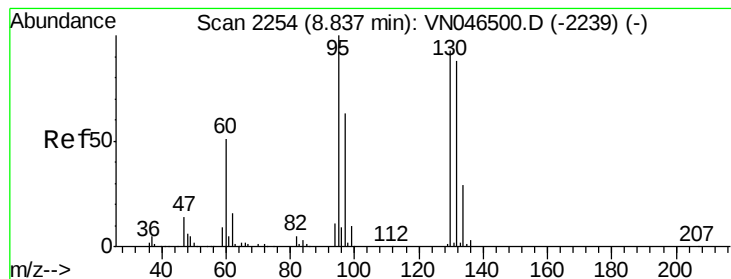
Tgt Ion: 41 Resp: 33081
Ion Ratio Lower Upper
41 100
39 54.0 26.6 79.8
67 57.0 28.0 83.9
52 25.5 12.7 38.1



#36
1,2-Dichloroethane
Concen: 19.61 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 62 Resp: 77501
Ion Ratio Lower Upper
62 100
98 8.3 6.7 10.1





#37

Trichloroethene

Concen: 19.60 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

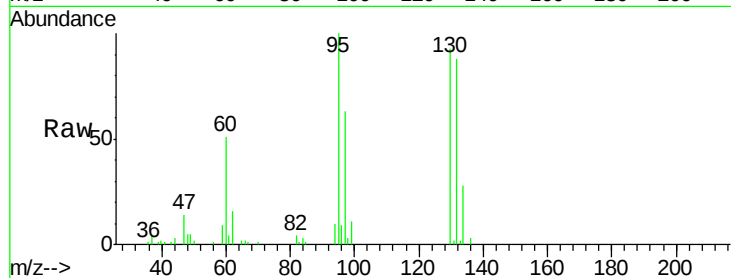
VSTDCCC020EC

Tgt Ion:130 Resp: 49254

Ion Ratio Lower Upper

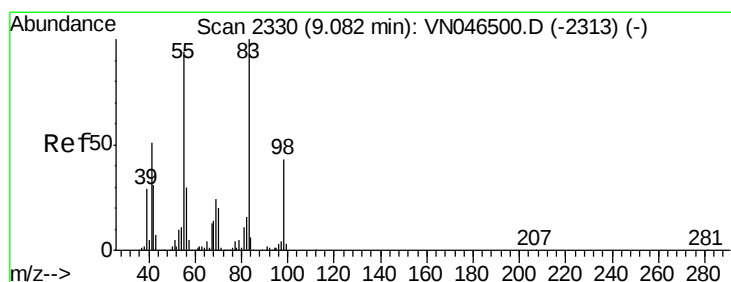
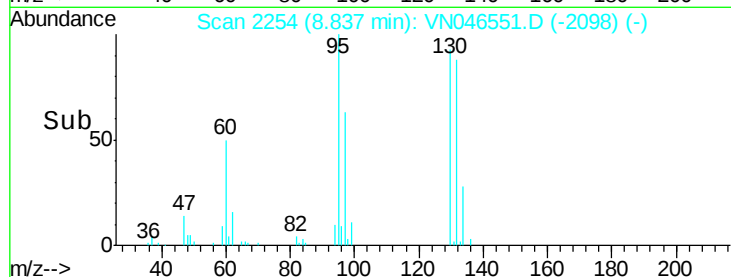
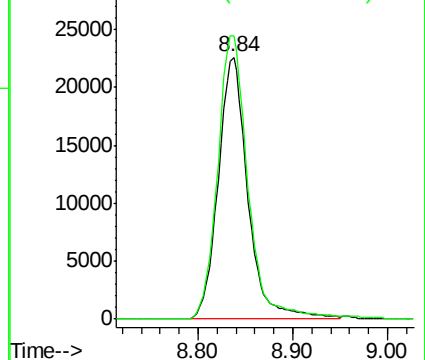
130 100

95 108.0 90.7 136.1



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN0



#38

Methylcyclohexane

Concen: 18.52 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

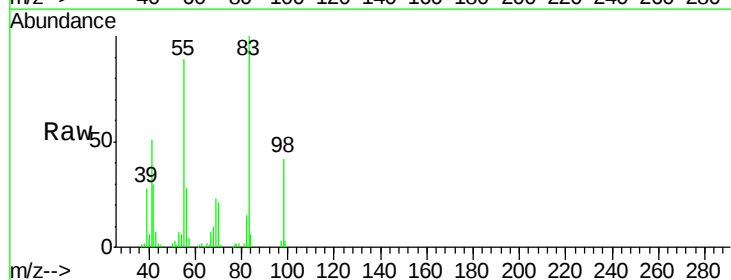
Tgt Ion: 83 Resp: 86716

Ion Ratio Lower Upper

83 100

55 89.1 43.9 131.6

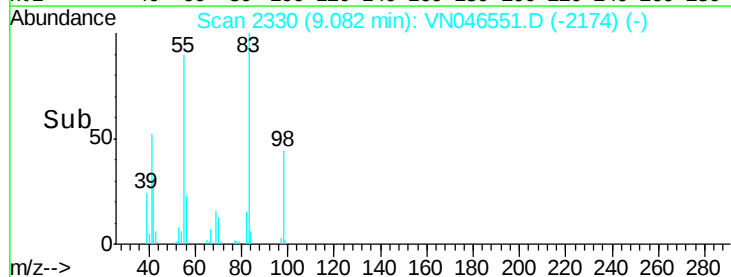
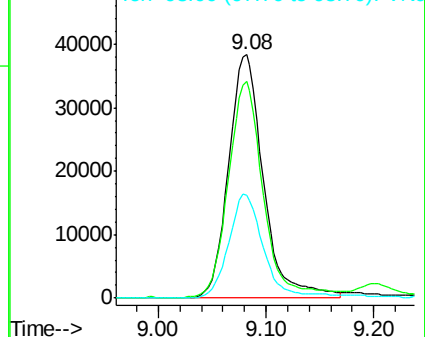
98 41.5 21.1 63.4

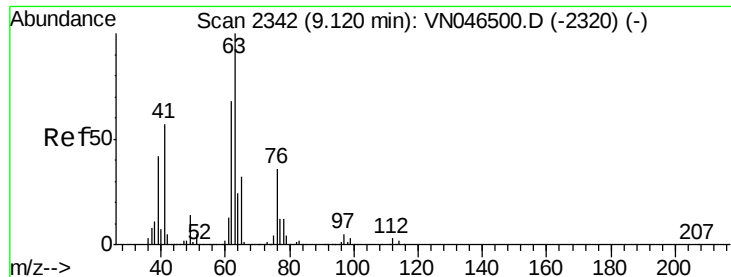


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

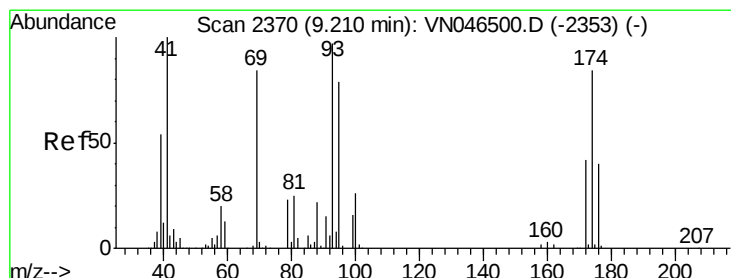
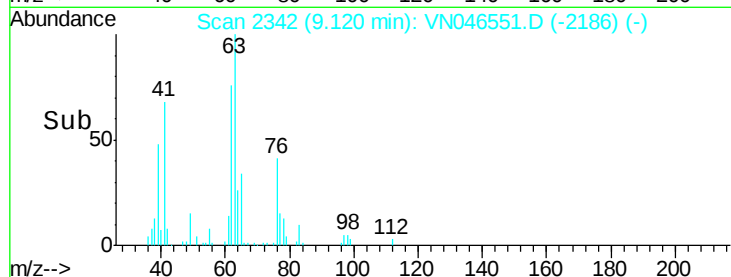
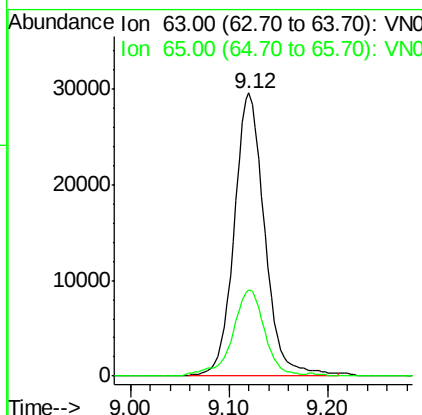
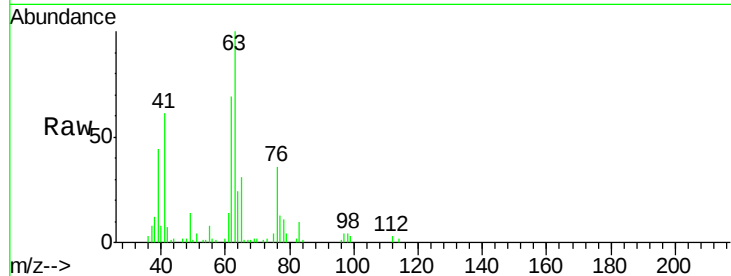




#39
 1,2-Dichloropropane
 Concen: 19.68 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

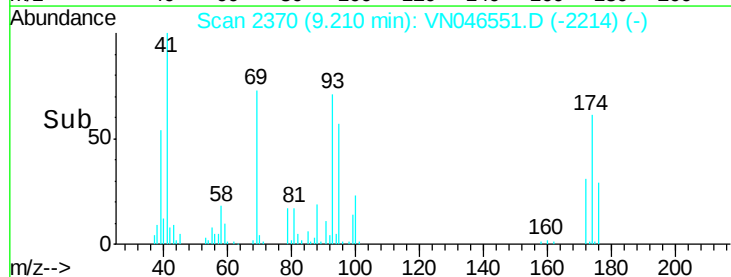
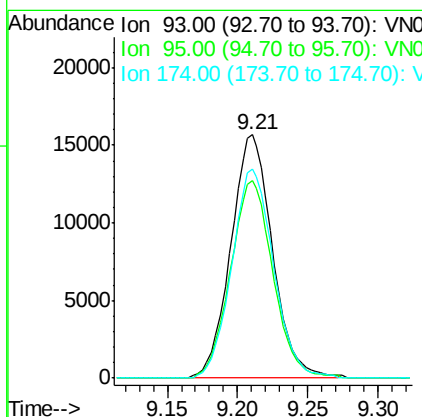
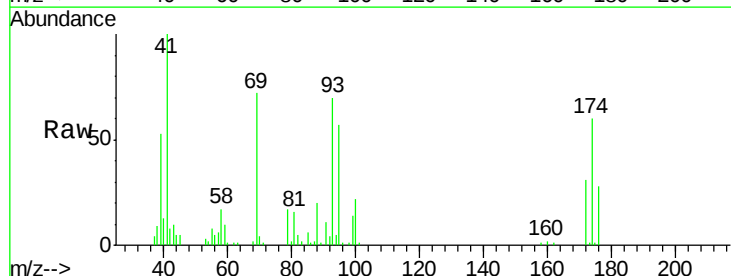
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

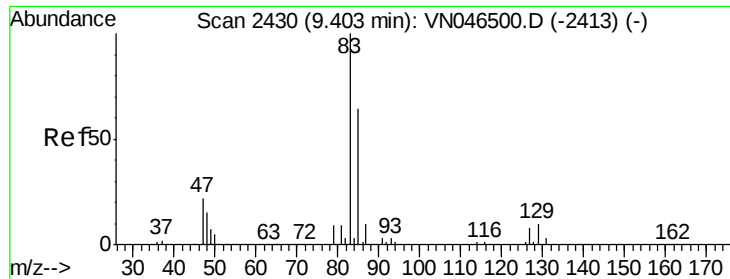
Tgt Ion: 63 Resp: 63457
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.6 37.0



#40
 Dibromomethane
 Concen: 19.82 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion: 93 Resp: 32356
 Ion Ratio Lower Upper
 93 100
 95 82.7 0.0 169.8
 174 86.4 0.0 170.4





#41

Bromodichloromethane

Concen: 19.63 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

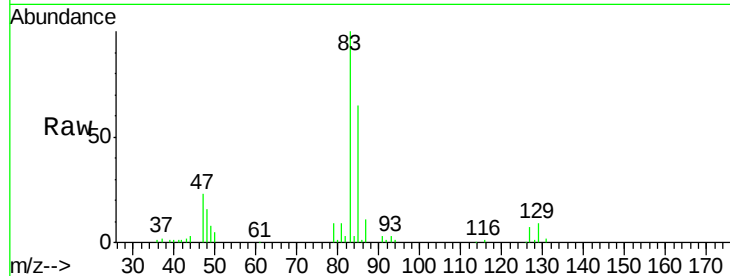
Tgt Ion: 83 Resp: 73158

Ion Ratio Lower Upper

83 100

85 64.6 53.6 80.4

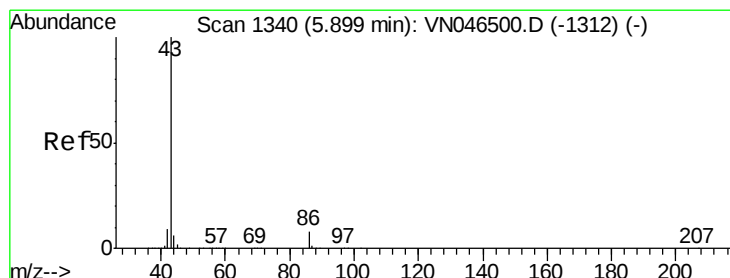
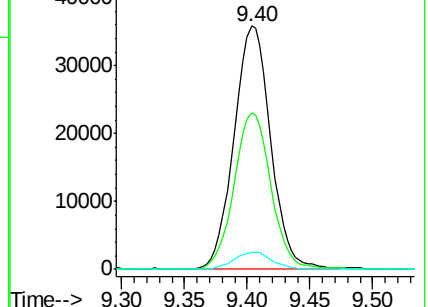
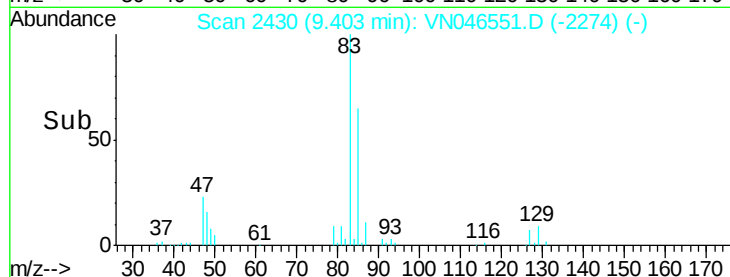
127 7.1 6.0 9.0



Abundance Ion 83.00 (82.70 to 83.70): VN046551.D (-2274) (-)

Ion 85.00 (84.70 to 85.70): VN046551.D (-2274) (-)

Ion 127.00 (126.70 to 127.70): VN046551.D (-2274) (-)



#42

Vinyl Acetate

Concen: 99.87 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN046551.D

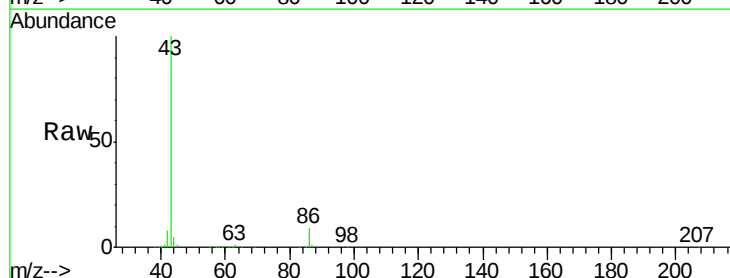
Acq: 24 Jan 2018 18:05

Tgt Ion: 43 Resp: 740951

Ion Ratio Lower Upper

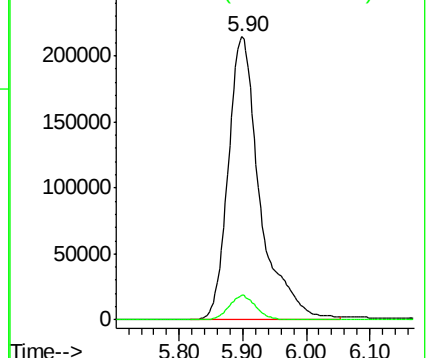
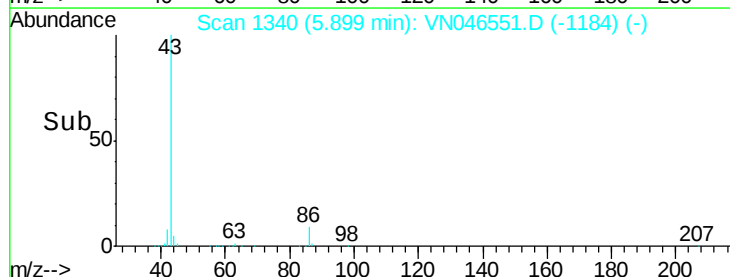
43 100

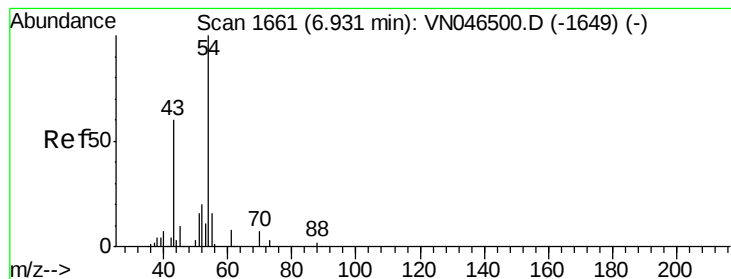
86 7.4 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN046551.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN046551.D (-1184) (-)





#43

Ethyl Acetate

Concen: 21.08 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

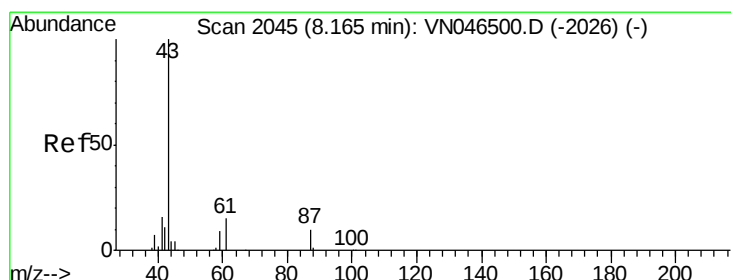
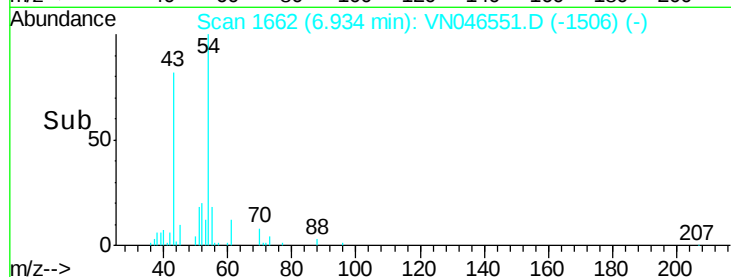
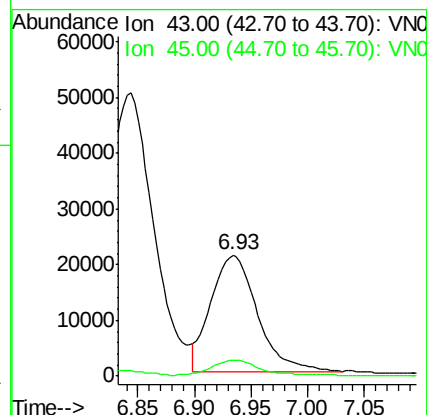
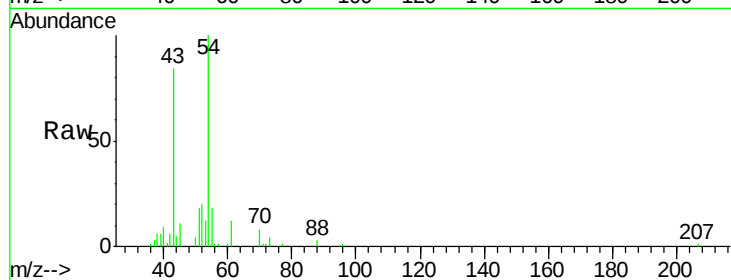
VSTDCCC020EC

Tgt Ion: 43 Resp: 59846

Ion Ratio Lower Upper

43 100

45 12.2 10.4 15.6



#44

Isopropyl Acetate

Concen: 19.69 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN046551.D

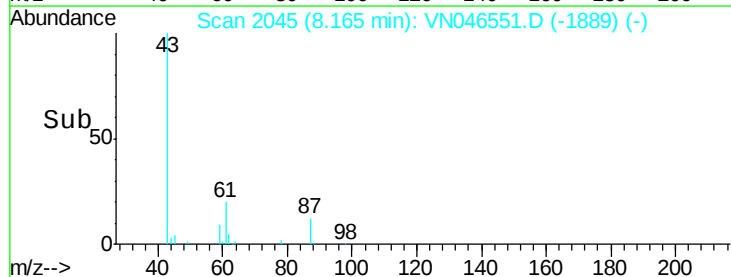
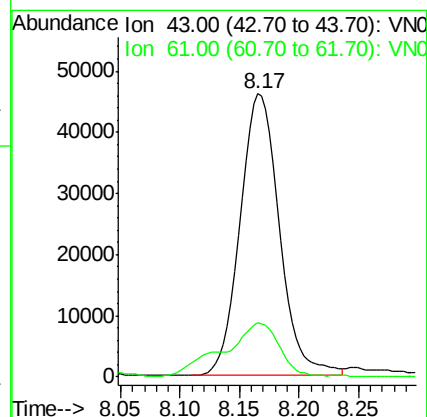
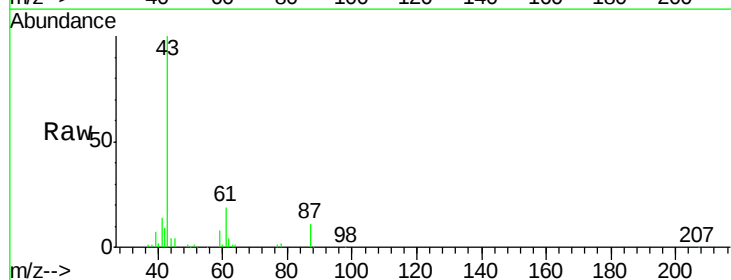
Acq: 24 Jan 2018 18:05

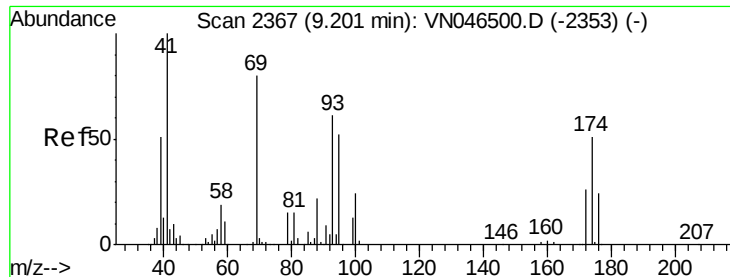
Tgt Ion: 43 Resp: 105840

Ion Ratio Lower Upper

43 100

61 18.2 15.0 22.6

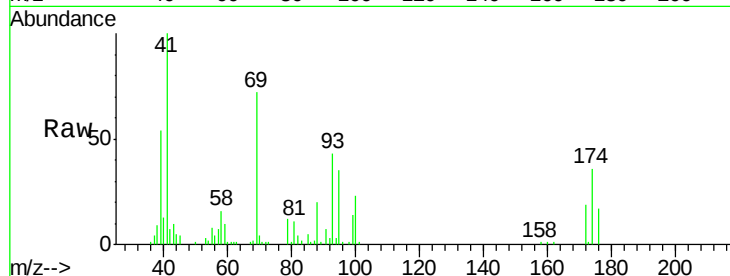




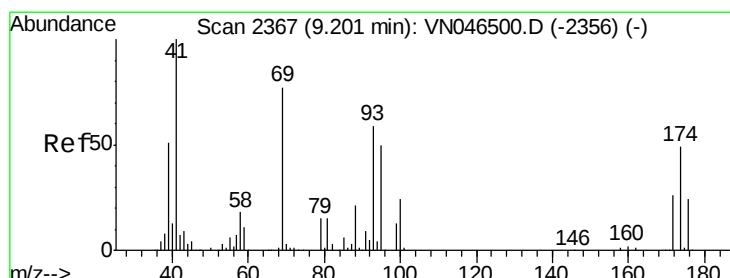
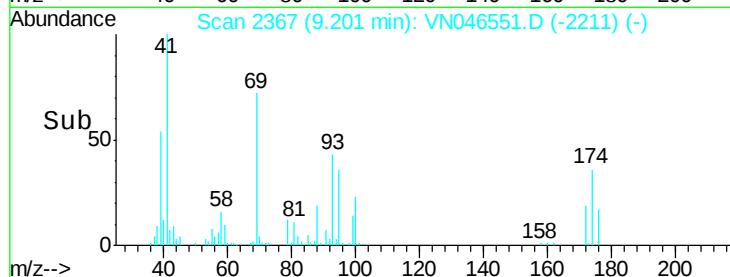
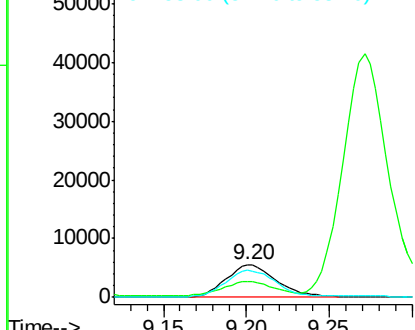
#45
1,4-Dioxane
Concen: 415.17 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tgt Ion: 88 Resp: 11845
Ion Ratio Lower Upper
88 100
43 42.4 35.2 52.8
58 85.3 71.2 106.8

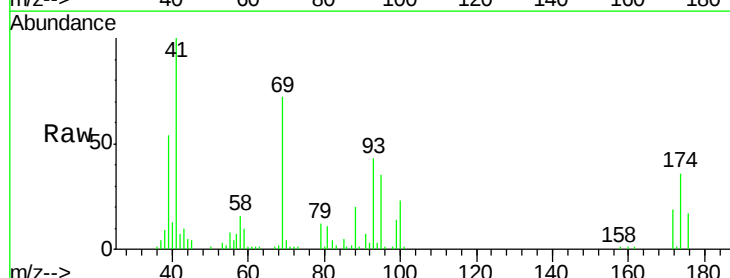


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

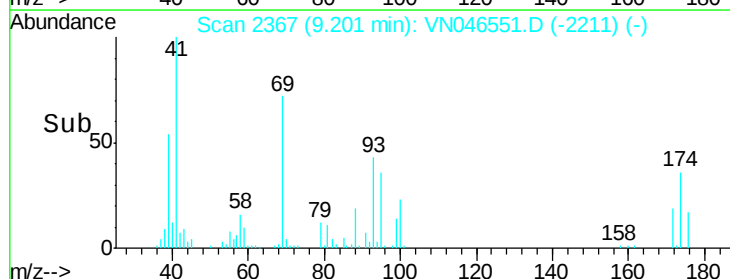
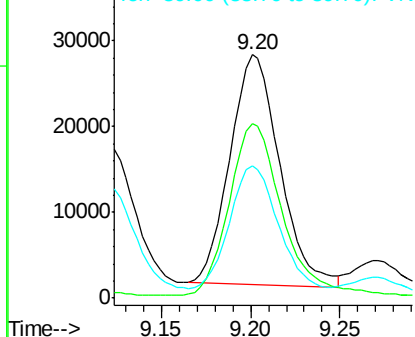


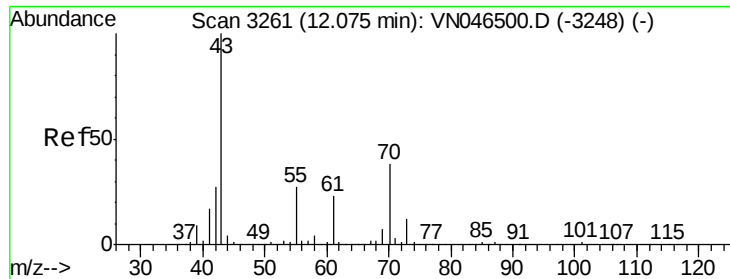
#46
Methyl methacrylate
Concen: 19.66 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 41 Resp: 52442
Ion Ratio Lower Upper
41 100
69 75.0 36.0 108.0
39 53.9 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

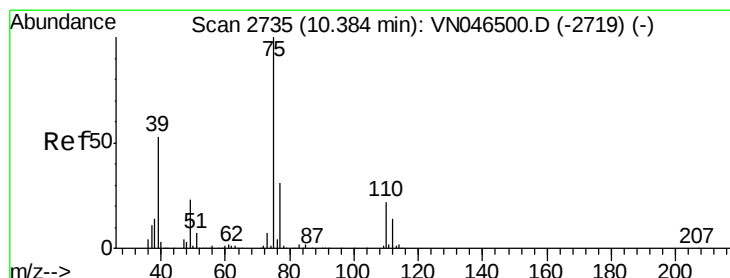
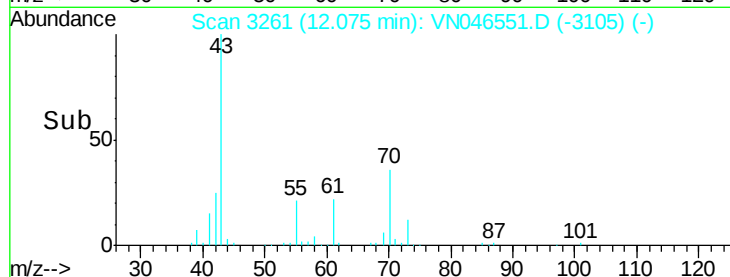
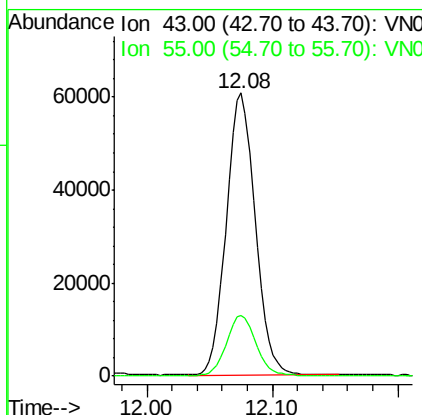
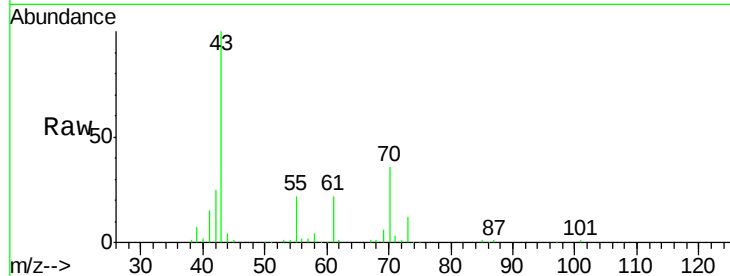




#47
n-amyl Acetate
Concen: 19.62 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

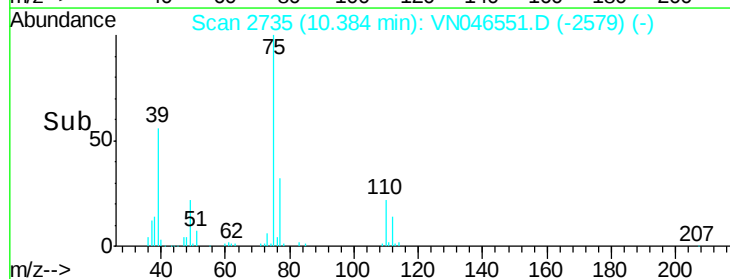
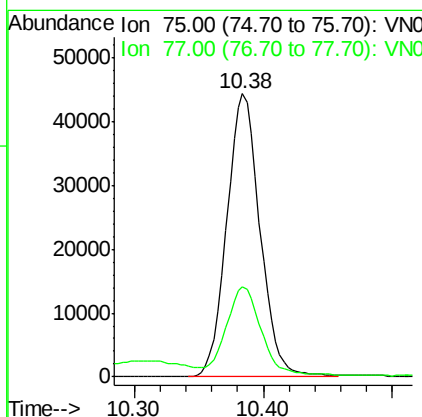
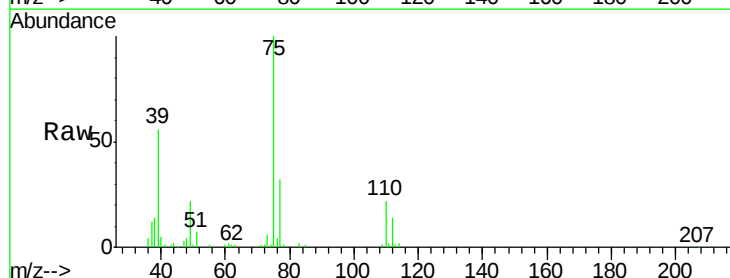
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

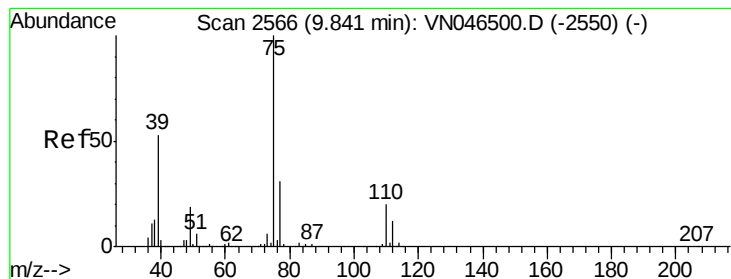
Tgt Ion: 43 Resp: 97508
Ion Ratio Lower Upper
43 100
55 22.2 17.6 26.4



#48
t-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 75 Resp: 79434
Ion Ratio Lower Upper
75 100
77 31.1 25.0 37.4





#49

cis-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

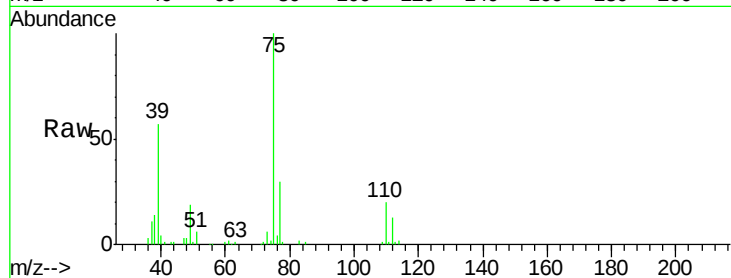
Tgt Ion: 75 Resp: 92681

Ion Ratio Lower Upper

75 100

77 30.3 25.0 37.4

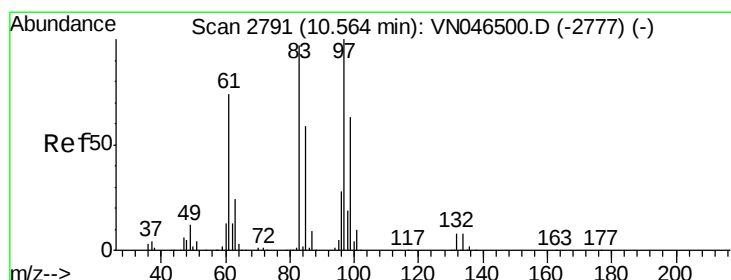
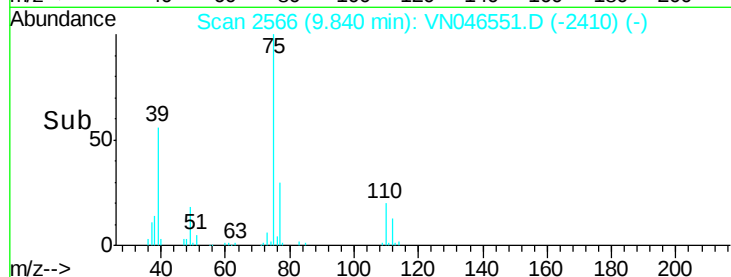
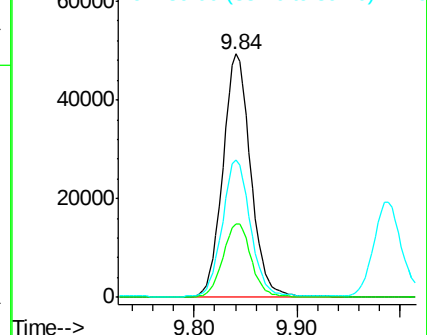
39 56.2 45.1 67.7



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 20.41 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Tgt Ion: 97 Resp: 47612

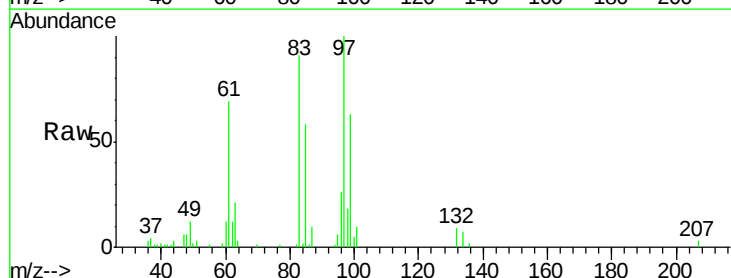
Ion Ratio Lower Upper

97 100

83 90.6 74.8 112.2

85 58.0 47.5 71.3

99 62.9 49.4 74.0

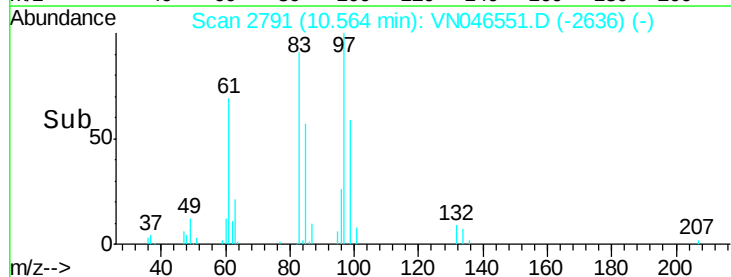
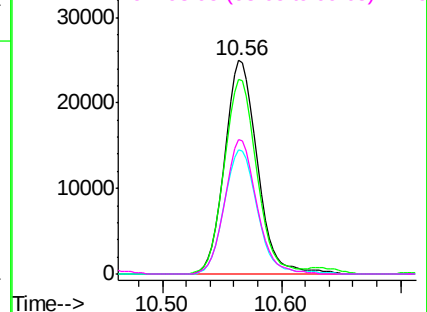


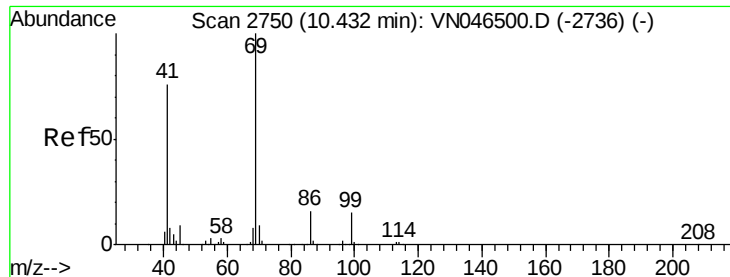
Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 20.16 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

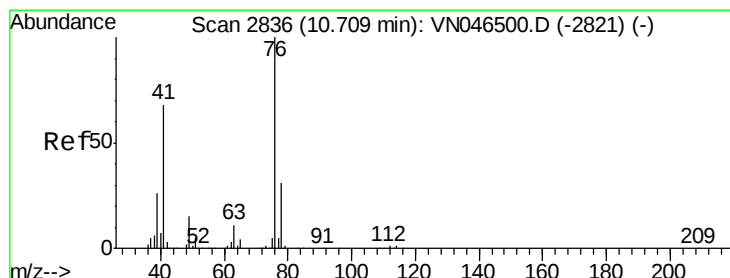
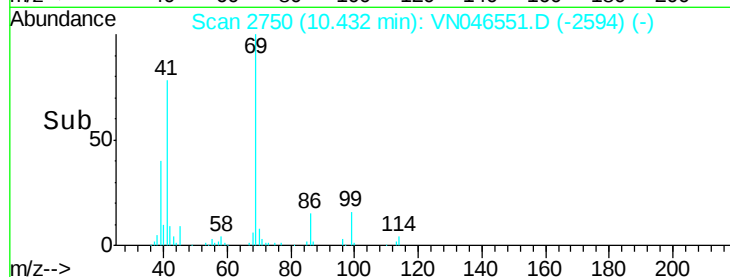
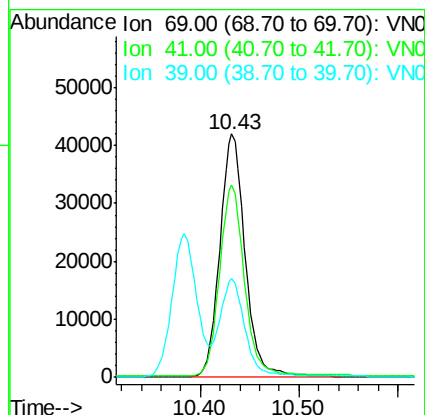
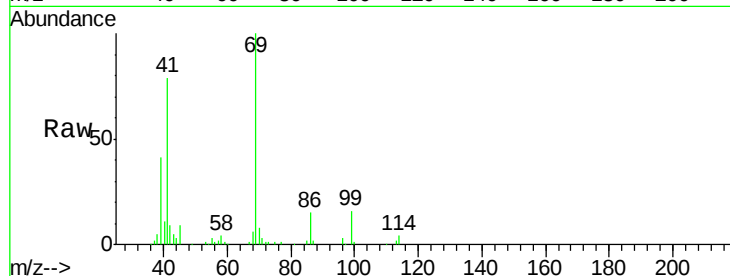
Tgt Ion: 69 Resp: 75761

Ion Ratio Lower Upper

69 100

41 78.3 37.8 113.4

39 40.1 19.3 57.8



#52

1,3-Dichloropropane

Concen: 19.86 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN046551.D

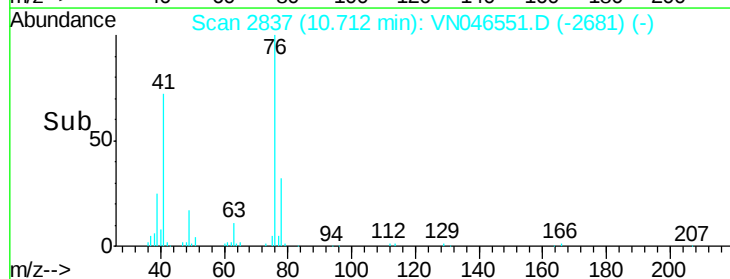
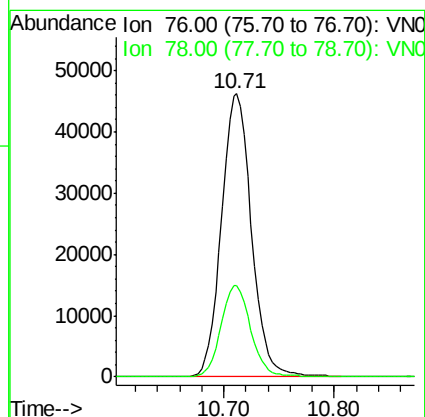
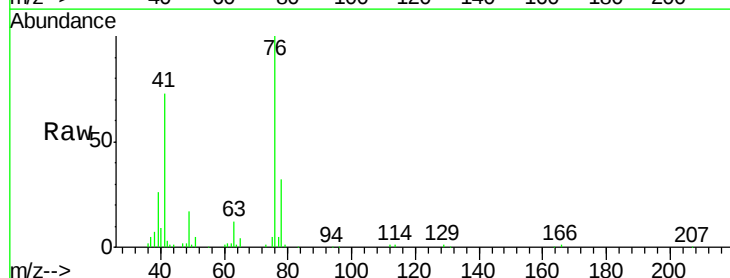
Acq: 24 Jan 2018 18:05

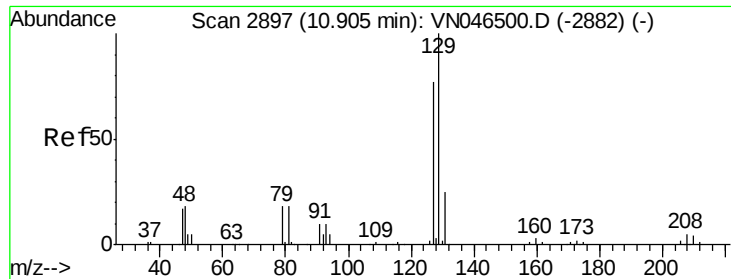
Tgt Ion: 76 Resp: 87235

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.6





#53

Dibromochloromethane

Concen: 19.59 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

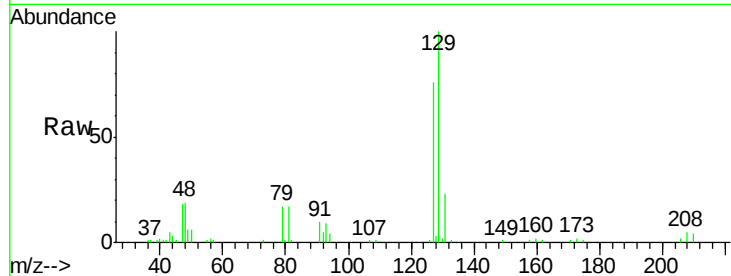
VSTDCCC020EC

Tgt Ion:129 Resp: 46790

Ion Ratio Lower Upper

129 100

127 76.5 38.6 116.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

25000

20000

15000

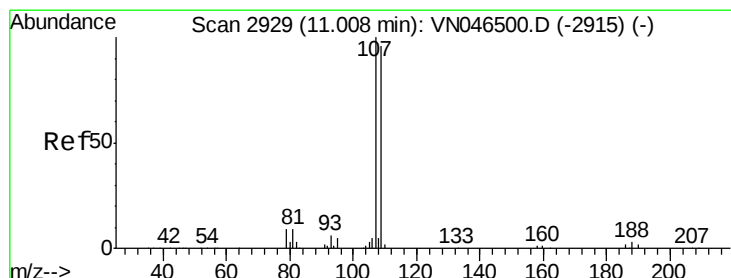
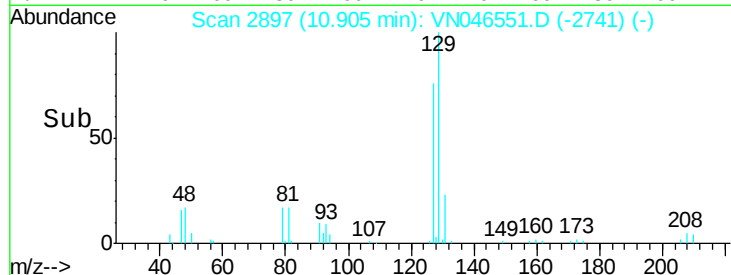
10000

5000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.83 ug/l

RT: 11.01 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VN046551.D

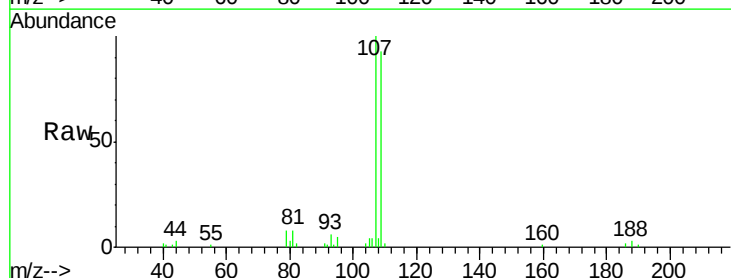
Acq: 24 Jan 2018 18:05

Tgt Ion:107 Resp: 41650

Ion Ratio Lower Upper

107 100

109 94.2 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

25000

20000

15000

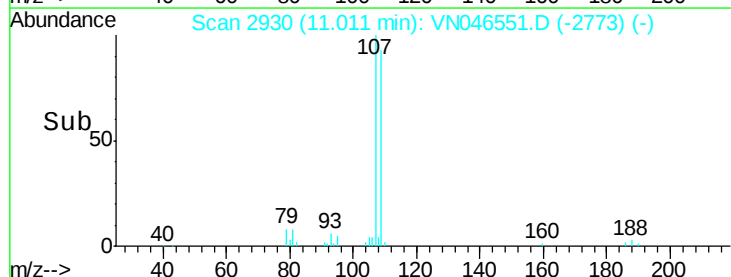
10000

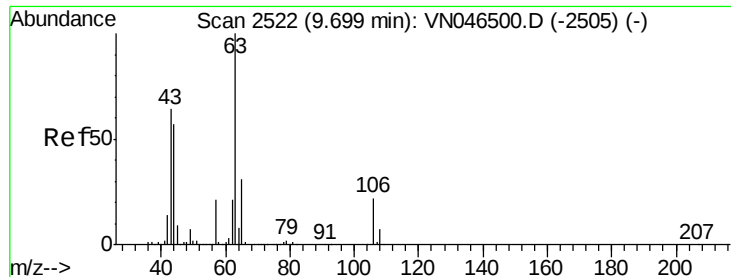
5000

0

10.95 11.00 11.05 11.10

Time-->

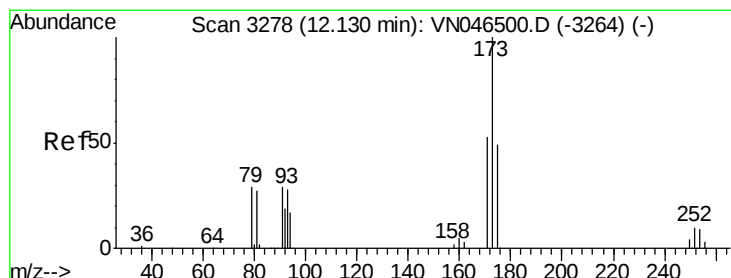
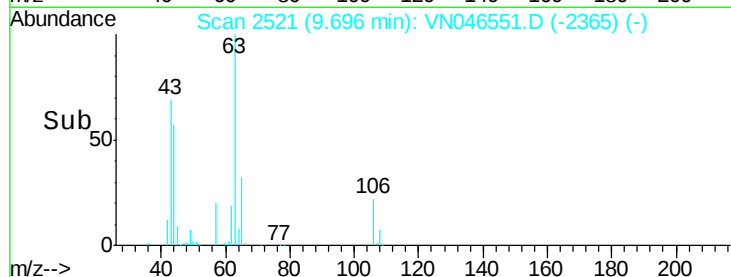
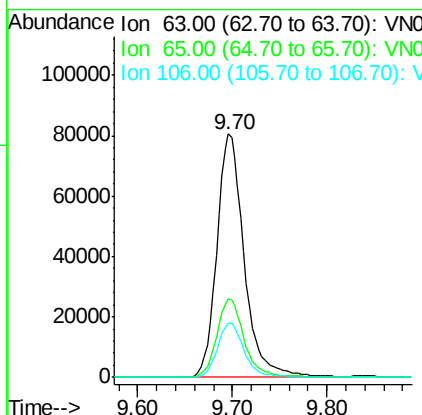
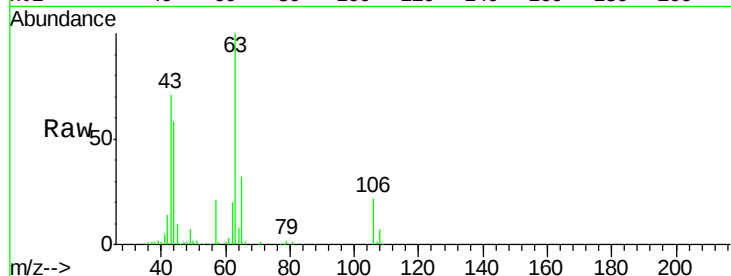




#55
 2-Chloroethyl vinyl ether
 Concen: 101.16 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

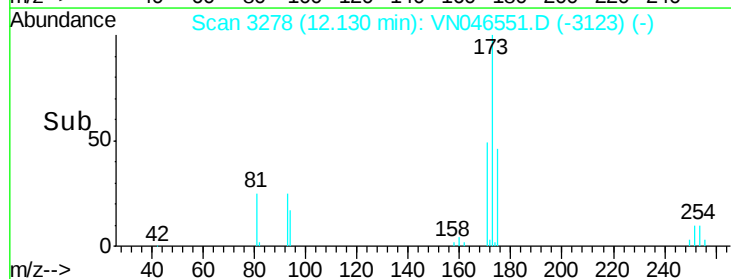
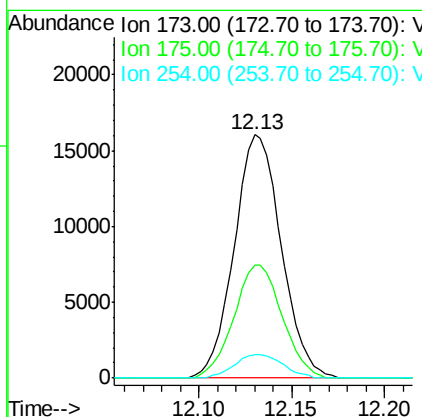
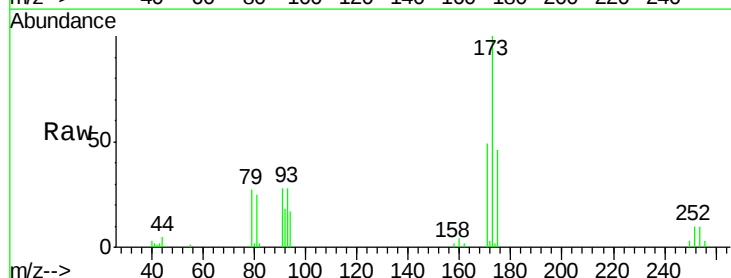
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

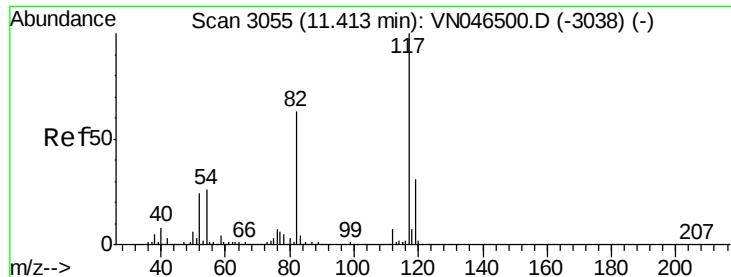
Tgt Ion: 63 Resp: 161459
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.7 38.5
 106 21.8 17.7 26.5



#56
 Bromoform
 Concen: 19.18 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion: 173 Resp: 28281
 Ion Ratio Lower Upper
 173 100
 175 47.4 38.5 57.7
 254 9.9 7.3 10.9

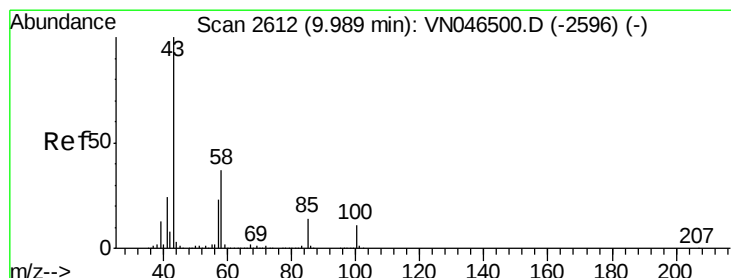
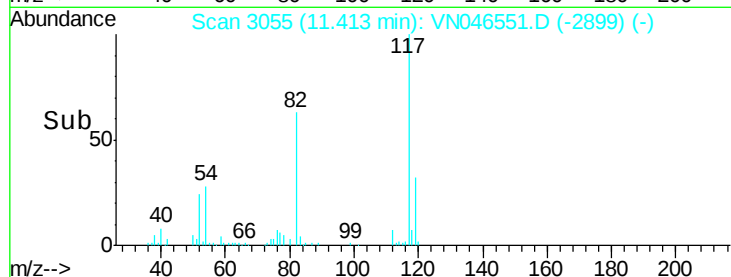
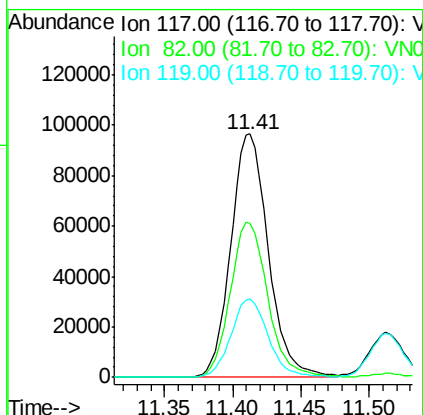
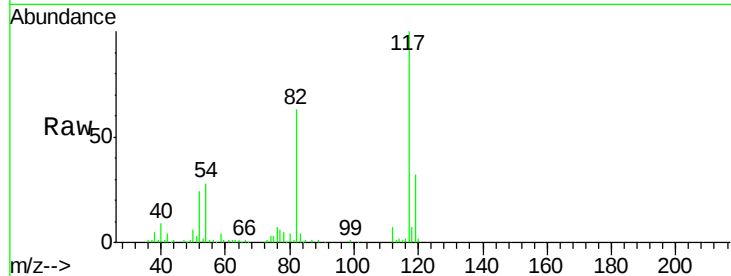




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

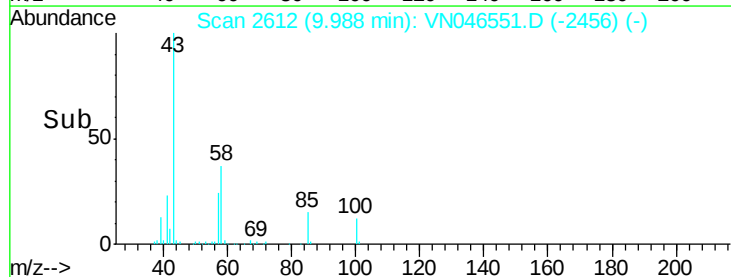
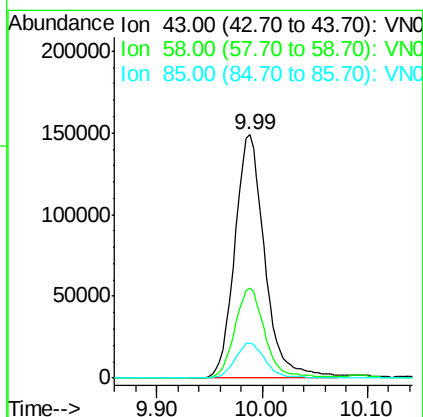
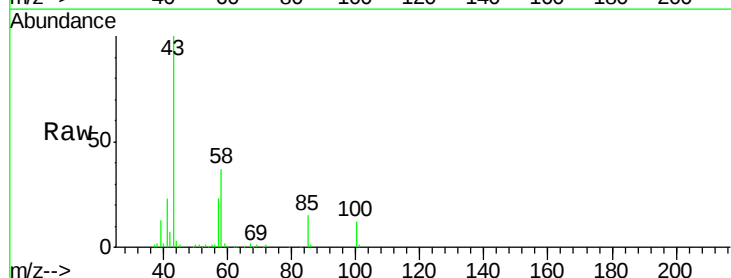
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

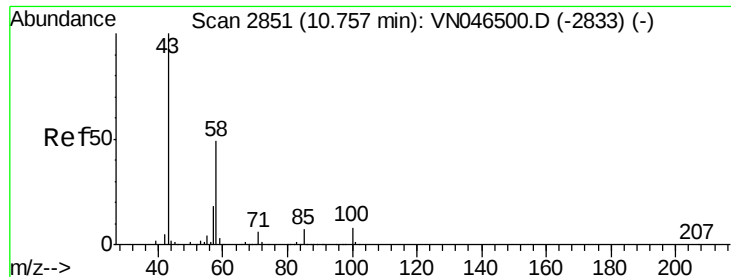
Tgt Ion: 117 Resp: 184506
Ion Ratio Lower Upper
117 100
82 63.6 51.5 77.3
119 32.0 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 102.88 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 43 Resp: 291877
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2
85 14.7 11.5 17.3

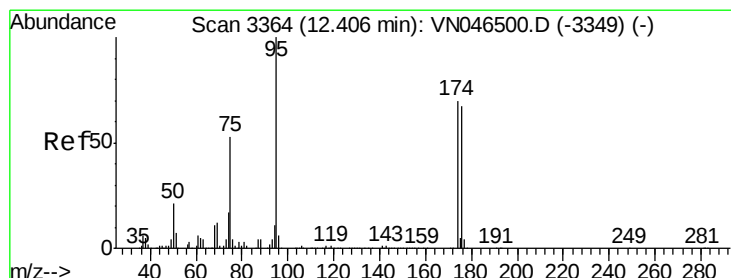
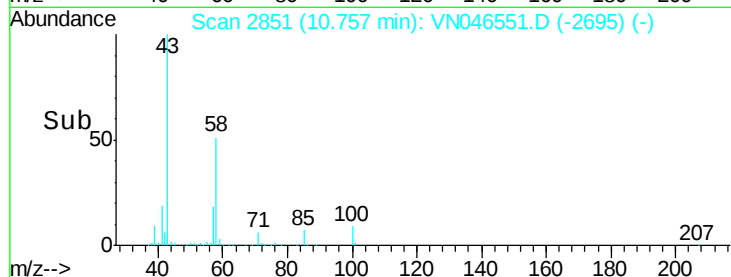
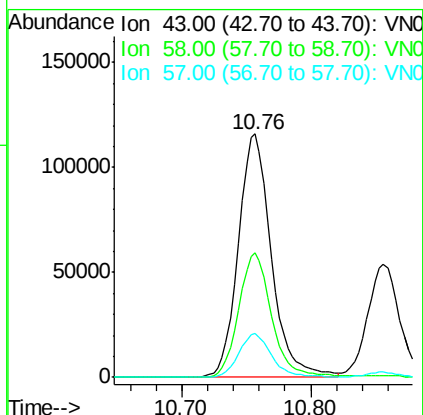
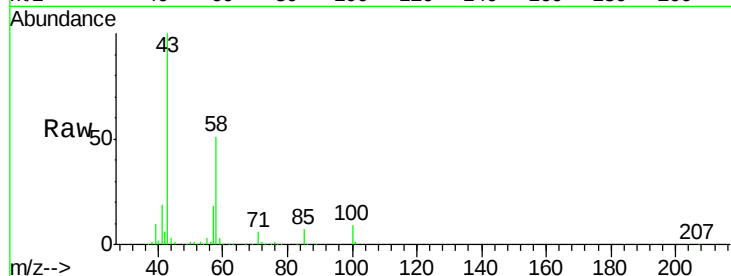




#59
2-Hexanone
Concen: 102.25 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

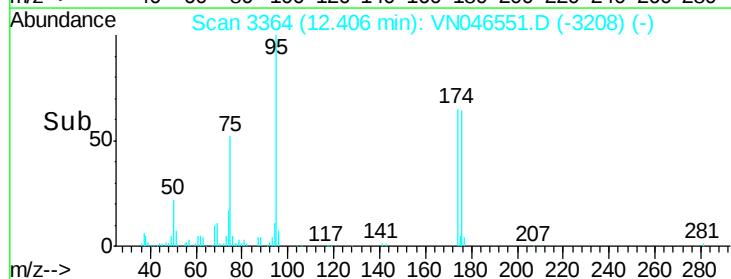
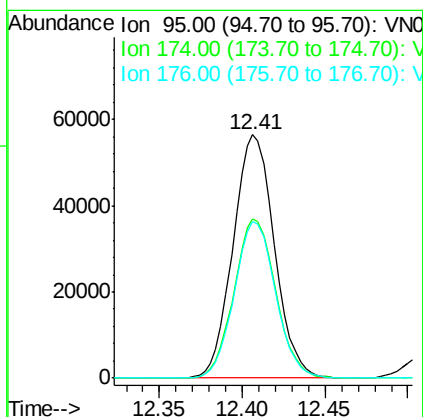
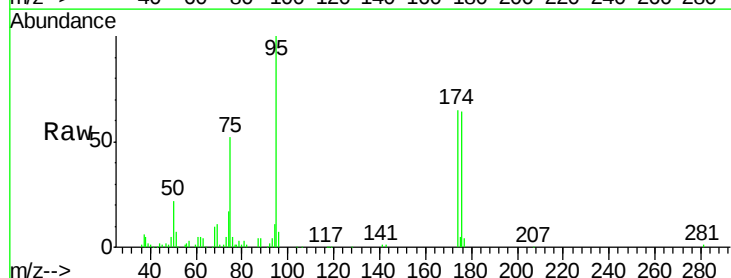
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

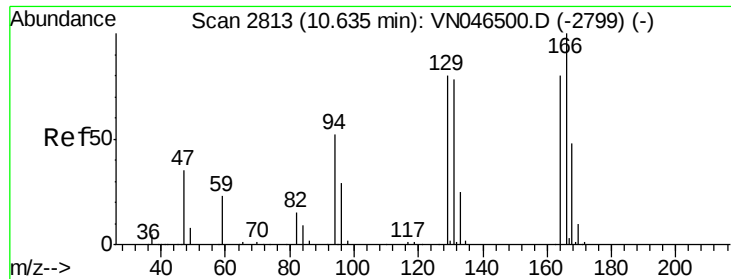
Tgt Ion: 43 Resp: 205425
Ion Ratio Lower Upper
43 100
58 51.5 41.4 62.0
57 18.2 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 29.57 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 95 Resp: 97670
Ion Ratio Lower Upper
95 100
174 66.1 52.5 78.7
176 64.1 50.6 75.8





#61

Tetrachloroethene

Concen: 19.77 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tgt Ion:164 Resp: 40996

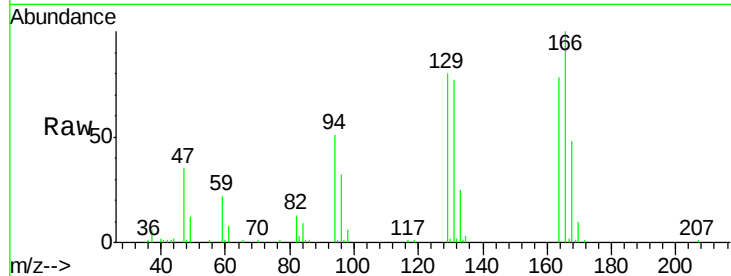
Ion Ratio Lower Upper

164 100

166 128.2 101.6 152.4

129 103.1 83.8 125.6

131 98.7 79.8 119.8

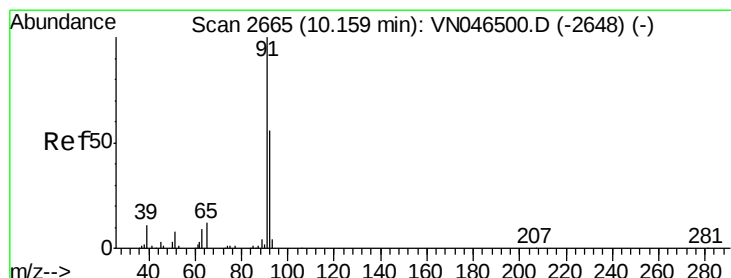
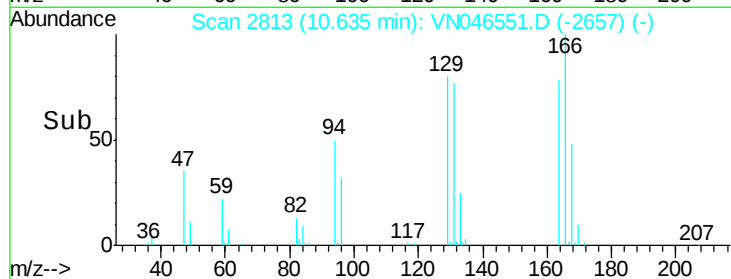
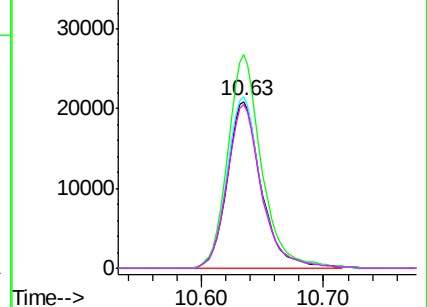


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.76 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN046551.D

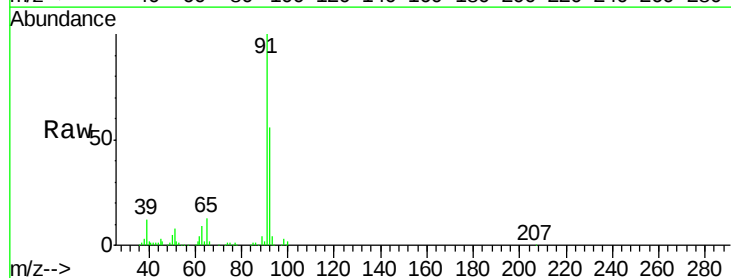
Acq: 24 Jan 2018 18:05

Tgt Ion: 91 Resp: 222933

Ion Ratio Lower Upper

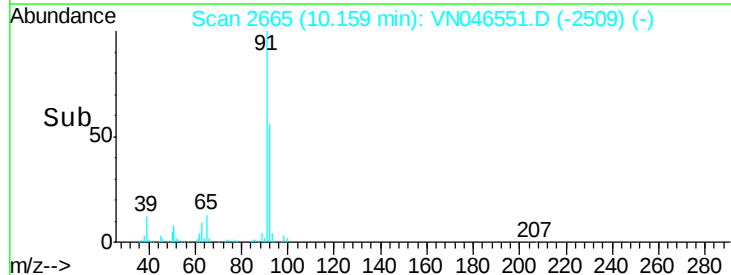
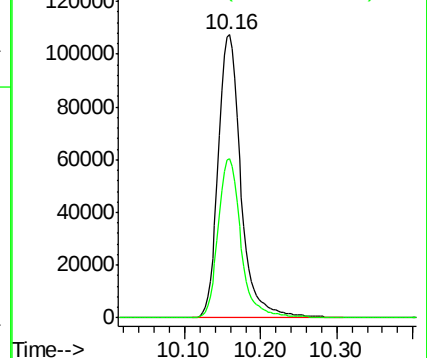
91 100

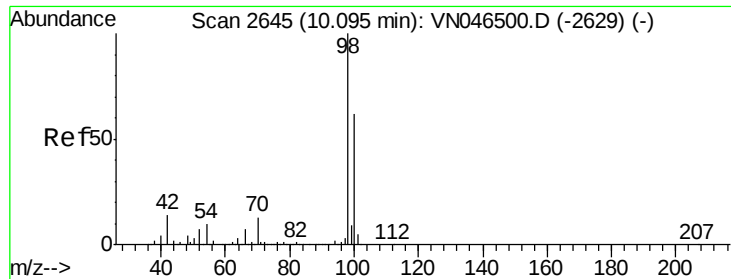
92 56.4 45.6 68.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 29.98 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

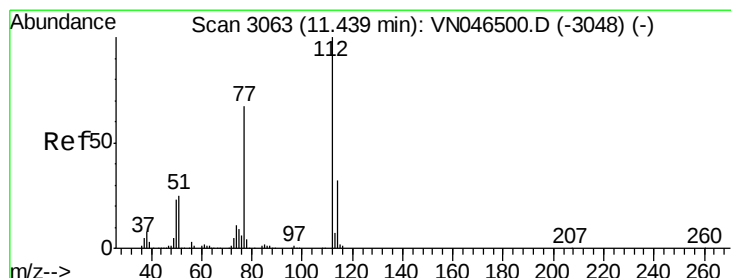
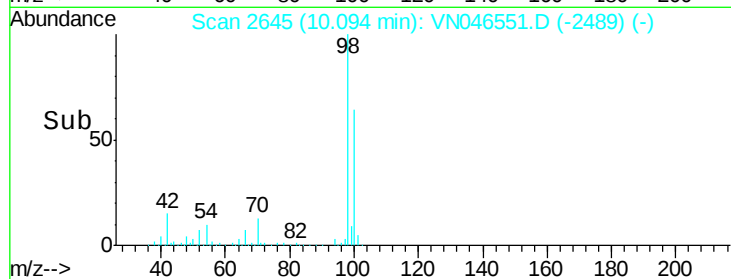
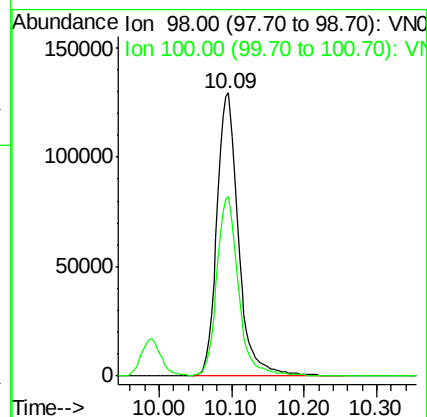
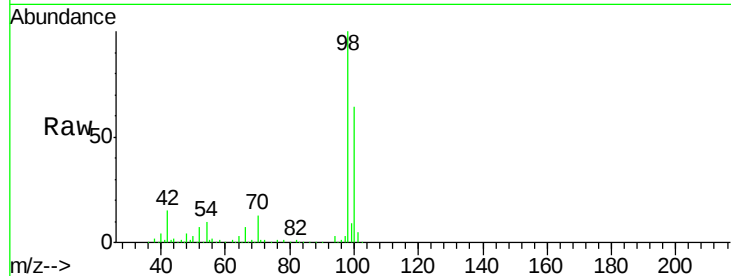
VSTDCCC020EC

Tgt Ion: 98 Resp: 267054

Ion Ratio Lower Upper

98 100

100 63.8 50.8 76.2



#64

Chlorobenzene

Concen: 19.57 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN046551.D

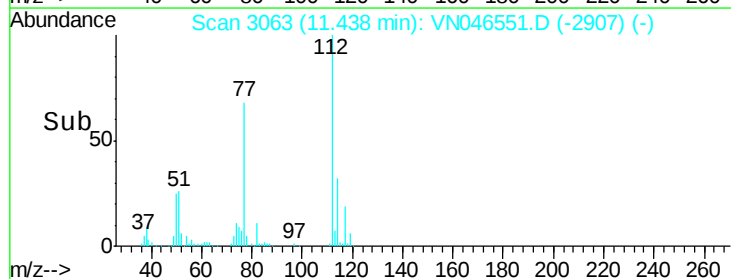
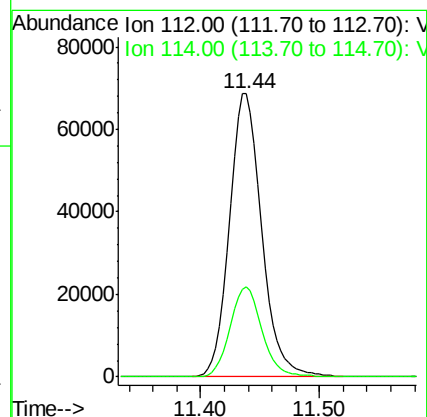
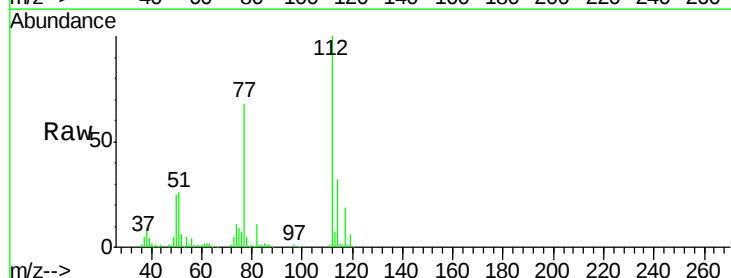
Acq: 24 Jan 2018 18:05

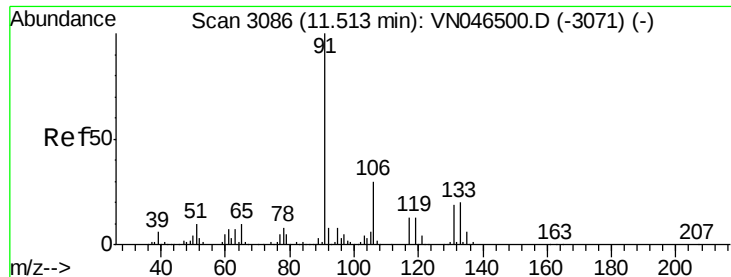
Tgt Ion: 112 Resp: 128888

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.09 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

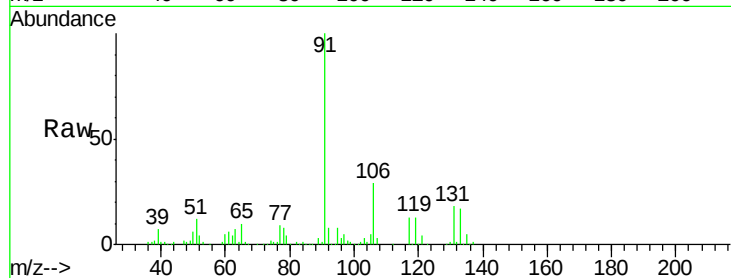
Tgt Ion:131 Resp: 42305

Ion Ratio Lower Upper

131 100

133 97.0 0.0 191.6

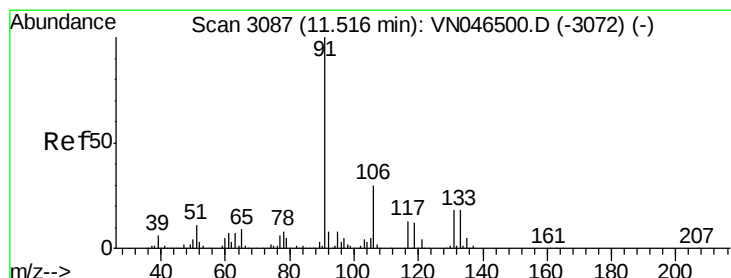
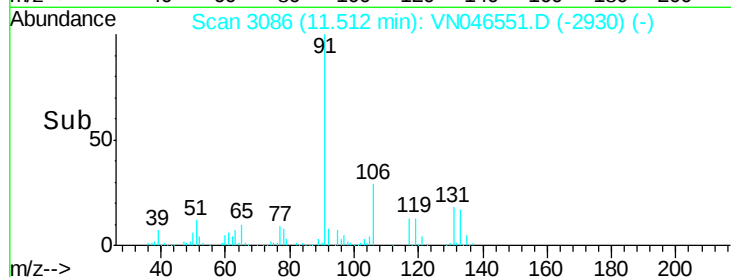
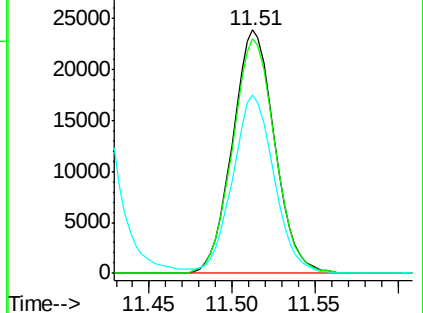
119 72.2 0.0 141.2



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: 19.55 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN046551.D

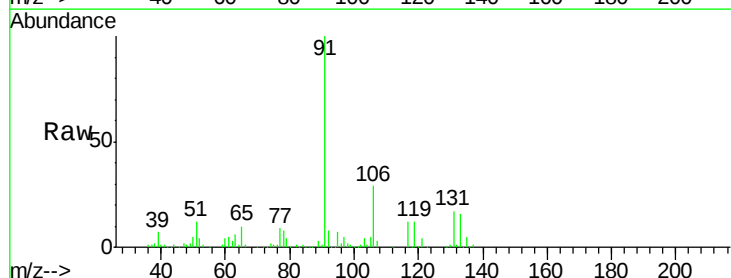
Acq: 24 Jan 2018 18:05

Tgt Ion: 91 Resp: 242151

Ion Ratio Lower Upper

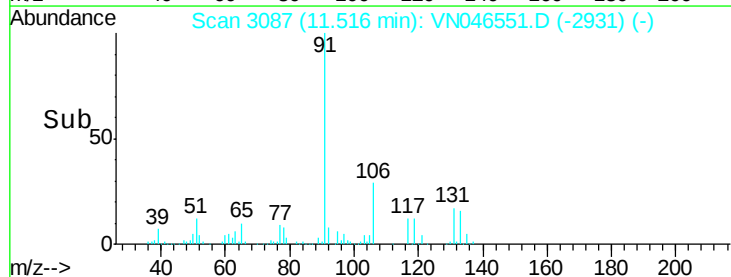
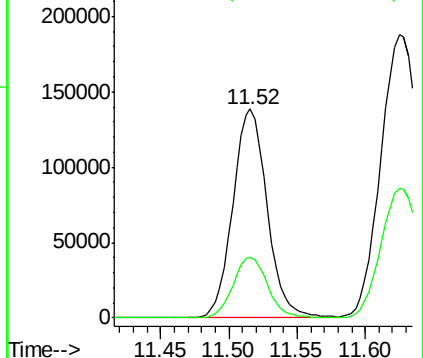
91 100

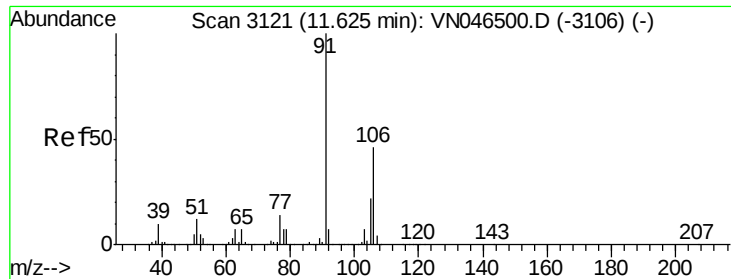
106 29.3 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

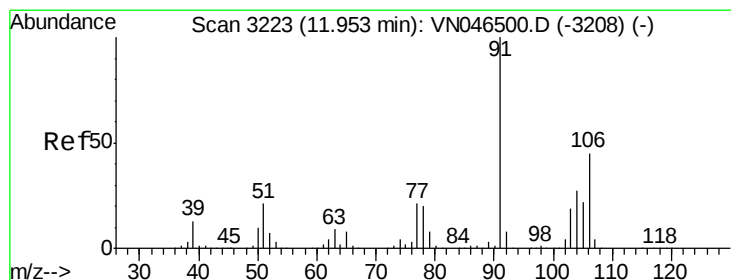
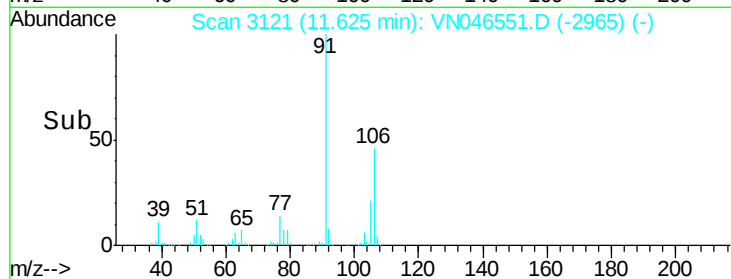
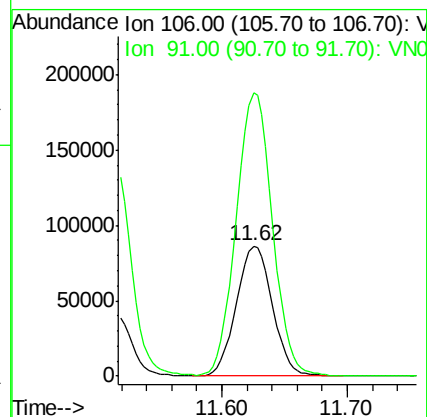
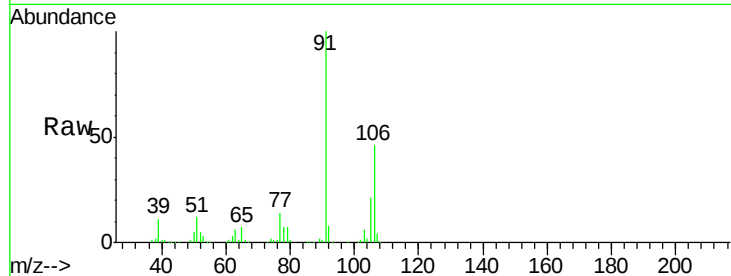




#67
m/p-Xylenes
Concen: 38.81 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

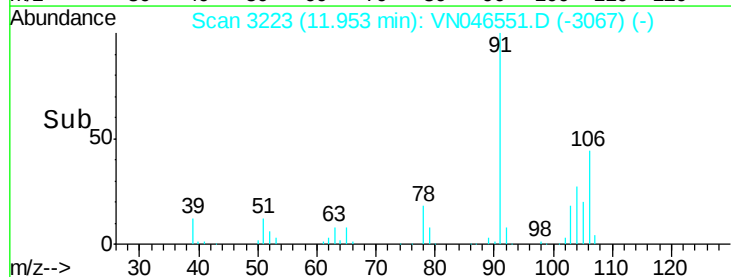
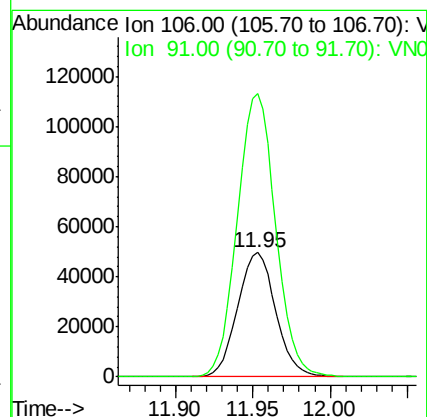
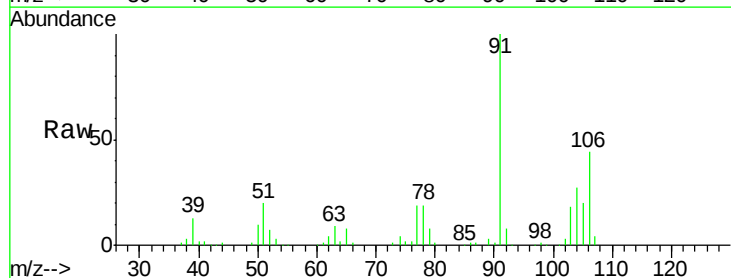
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

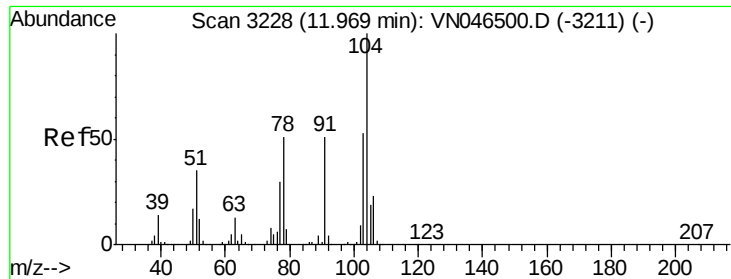
Tgt Ion:106 Resp: 172783
Ion Ratio Lower Upper
106 100
91 218.8 173.8 260.8



#68
o-Xylene
Concen: 19.67 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion:106 Resp: 84893
Ion Ratio Lower Upper
106 100
91 228.8 115.7 346.9

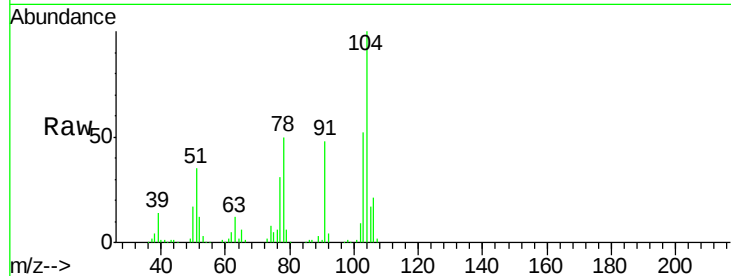




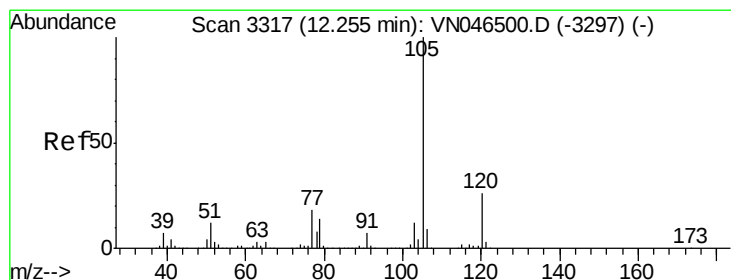
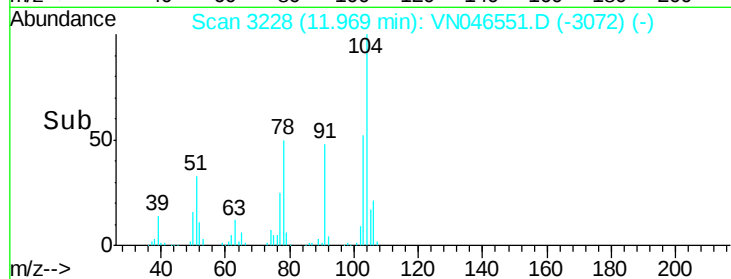
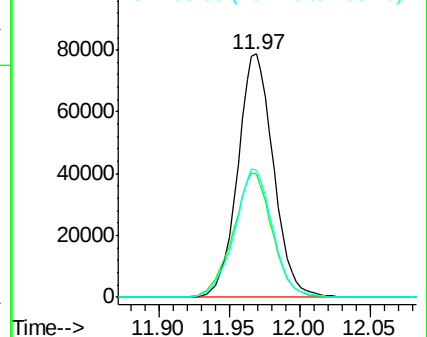
#69
Styrene
Concen: 19.53 ug/l
RT: 11.97 min Scan# 3228
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tgt Ion:104 Resp: 139401
Ion Ratio Lower Upper
104 100
78 55.9 45.5 68.3
103 56.3 45.0 67.4

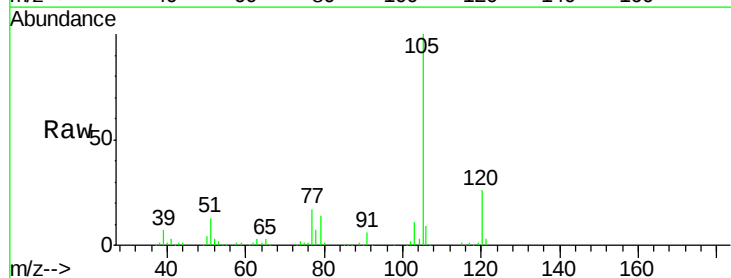


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

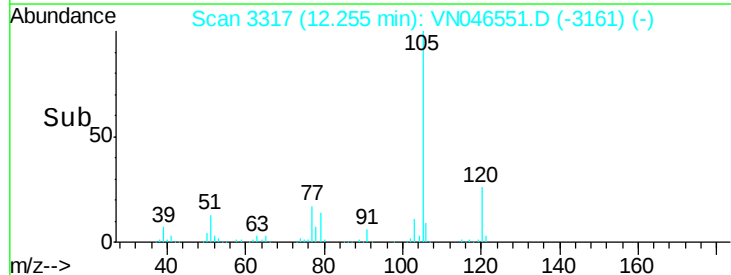
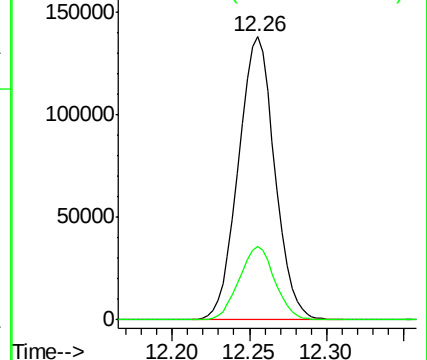


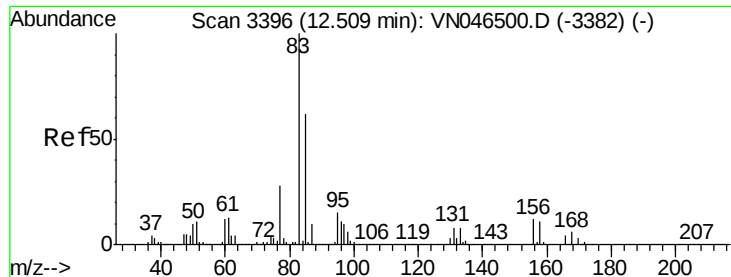
#70
Isopropylbenzene
Concen: 19.66 ug/l
RT: 12.26 min Scan# 3317
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion:105 Resp: 225787
Ion Ratio Lower Upper
105 100
120 25.5 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: 20.44 ug/l

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

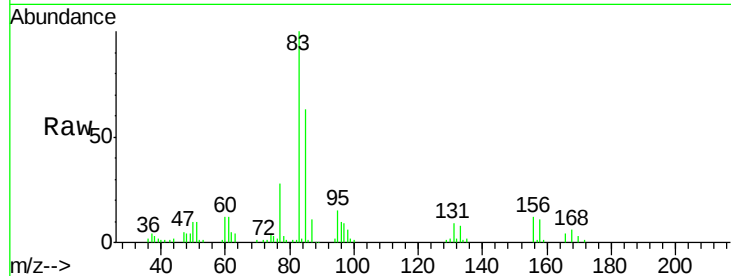
Tgt Ion: 83 Resp: 60631

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

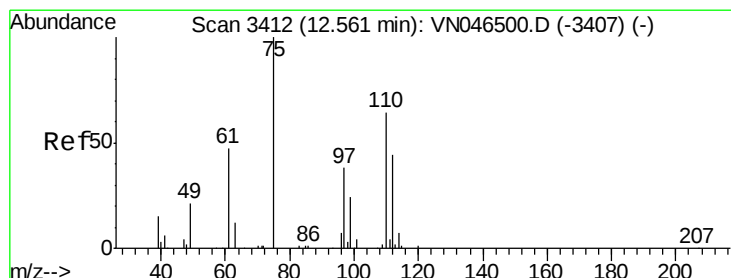
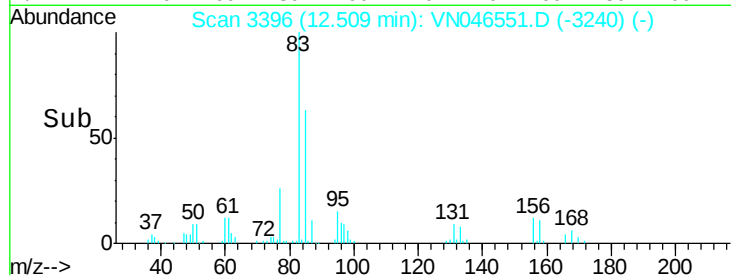
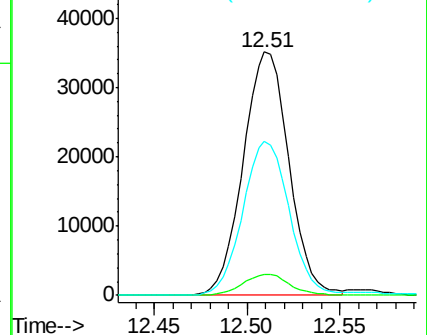
85 63.8 32.4 97.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 32.46 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN046551.D

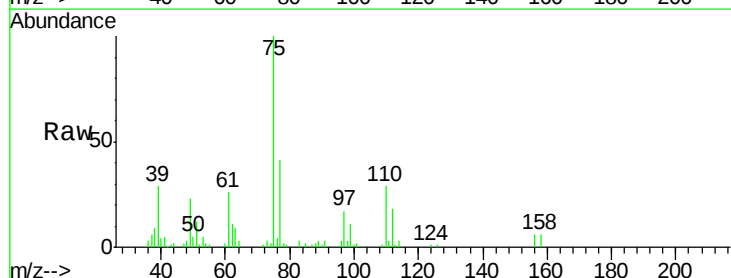
Acq: 24 Jan 2018 18:05

Tgt Ion: 75 Resp: 79293

Ion Ratio Lower Upper

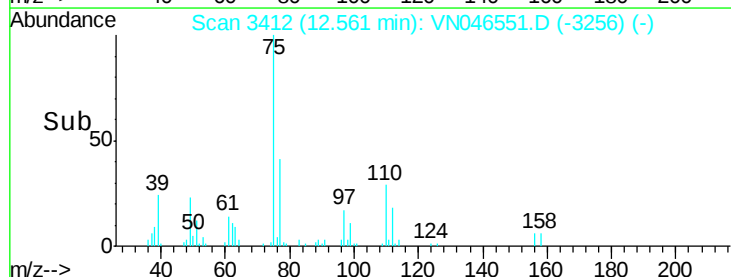
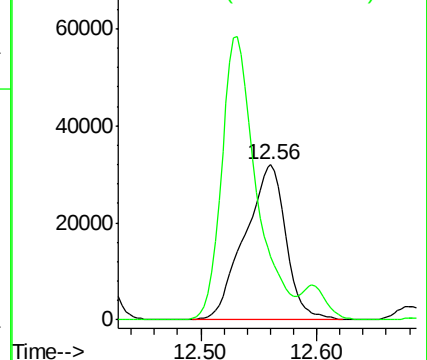
75 100

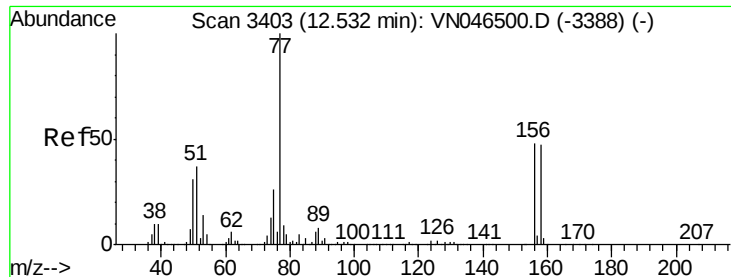
77 153.3 0.0 479.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 19.63 ug/l

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

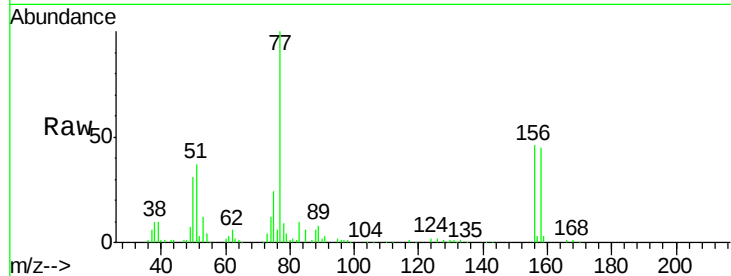
Tgt Ion:156 Resp: 47380

Ion Ratio Lower Upper

156 100

77 256.6 0.0 516.8

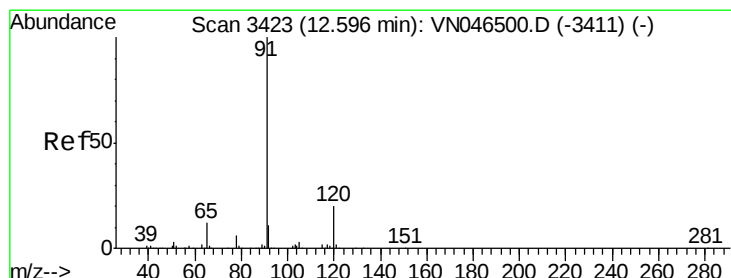
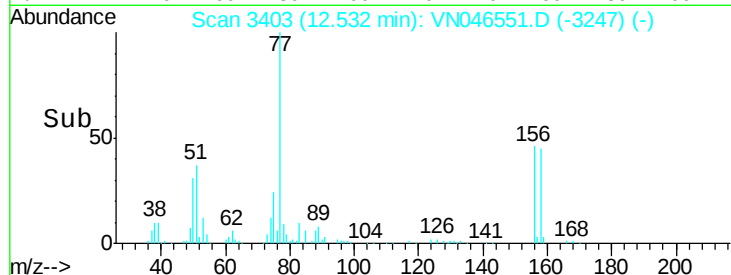
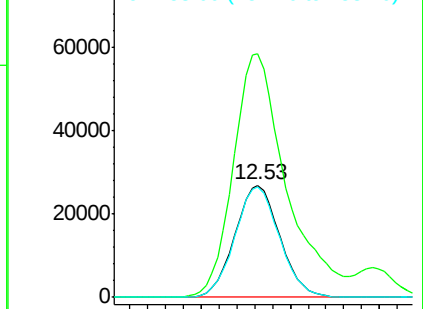
158 98.0 0.0 195.0



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: 19.26 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN046551.D

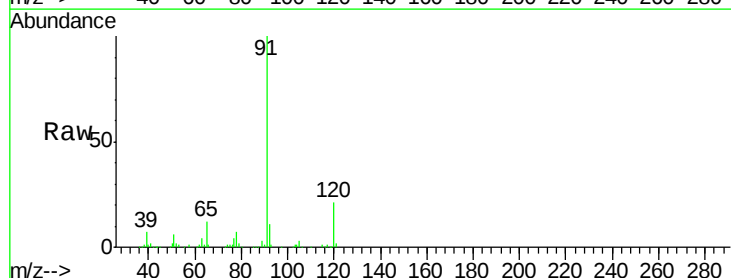
Acq: 24 Jan 2018 18:05

Tgt Ion: 91 Resp: 277477

Ion Ratio Lower Upper

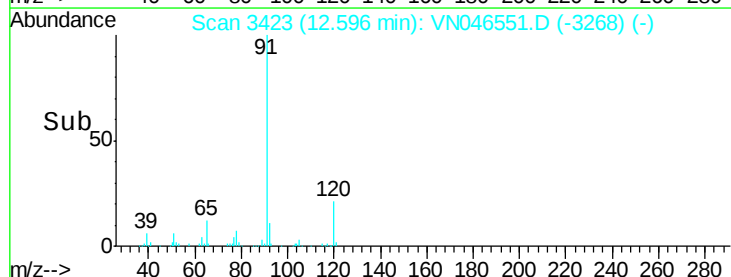
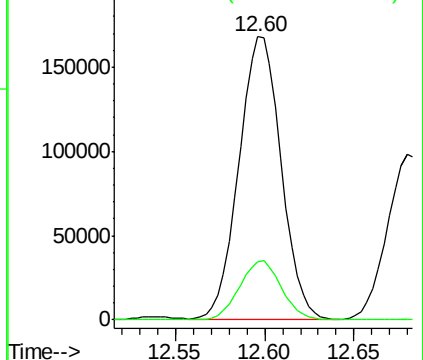
91 100

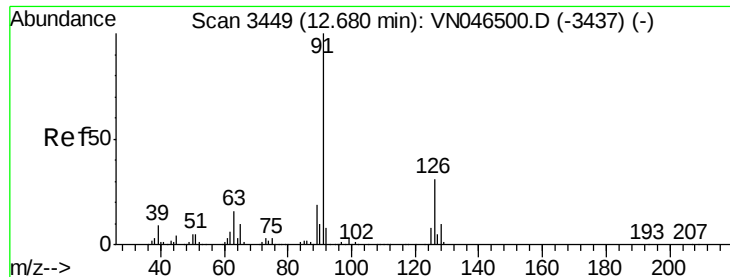
120 20.6 0.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.60 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

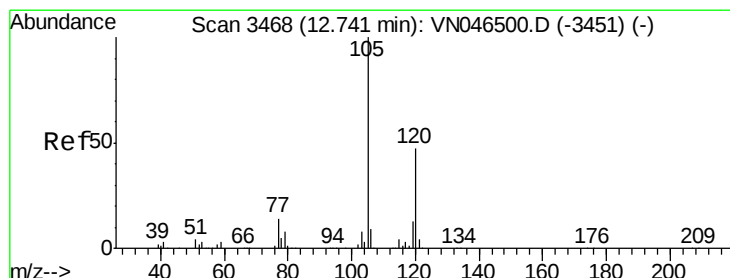
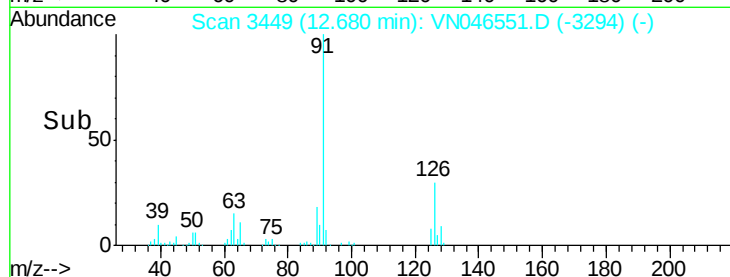
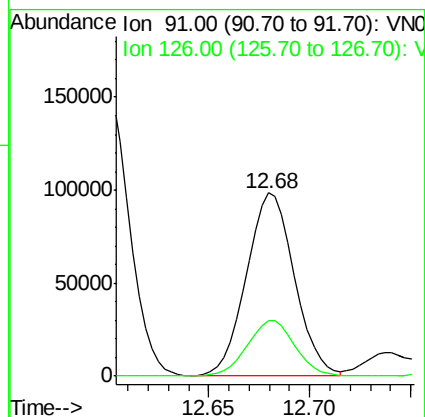
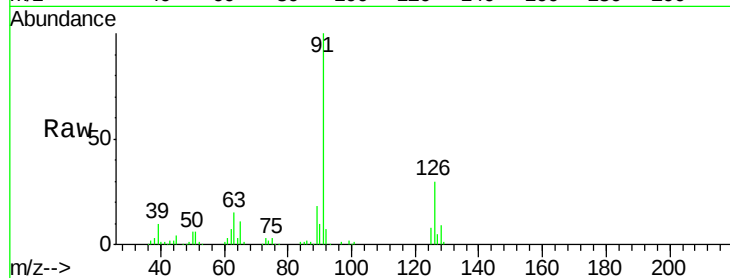
VSTDCCC020EC

Tgt Ion: 91 Resp: 164690

Ion Ratio Lower Upper

91 100

126 30.0 0.0 60.2



#76

1,3,5-Trimethylbenzene

Concen: 19.25 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. -0.00 min

Lab File: VN046551.D

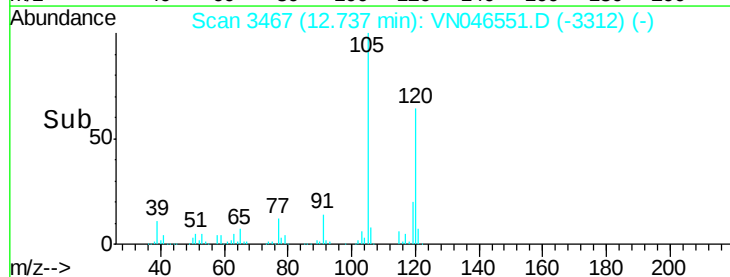
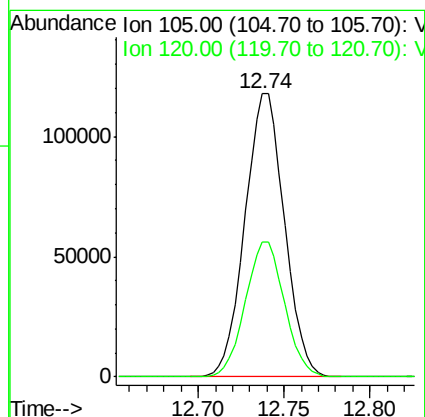
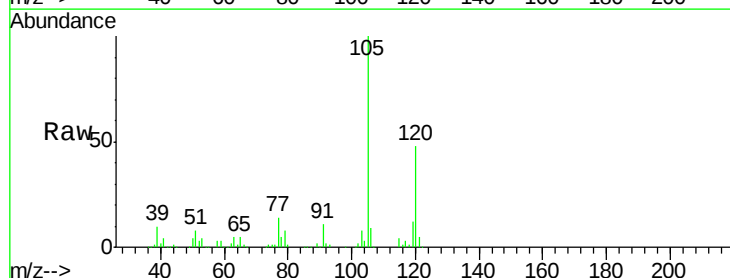
Acq: 24 Jan 2018 18:05

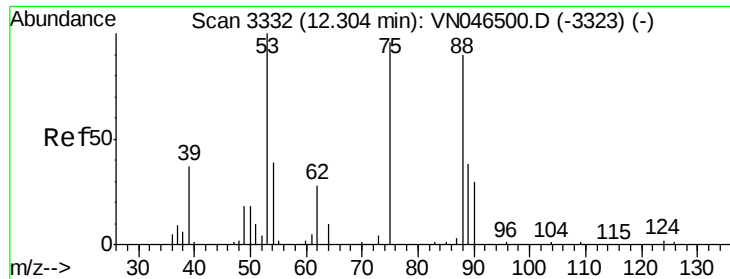
Tgt Ion: 105 Resp: 187192

Ion Ratio Lower Upper

105 100

120 47.2 0.0 93.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.36 ug/l

RT: 12.31 min Scan# 3333

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

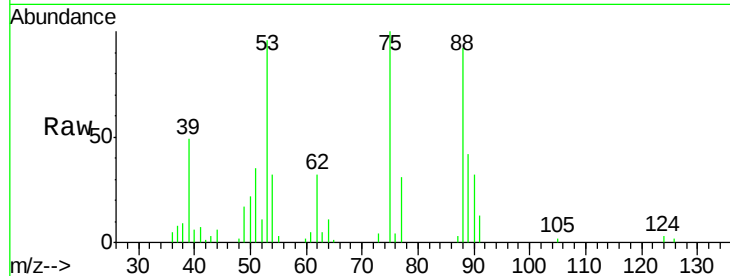
Tgt Ion: 75 Resp: 17913

Ion Ratio Lower Upper

75 100

53 94.3 46.8 140.3

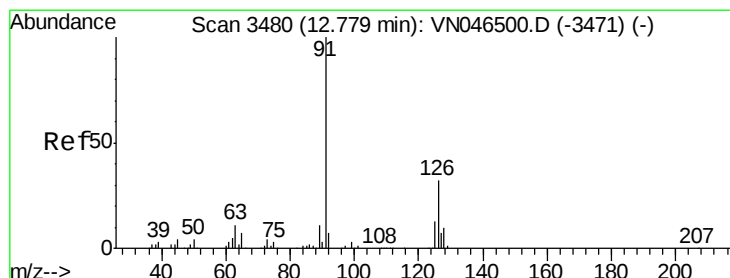
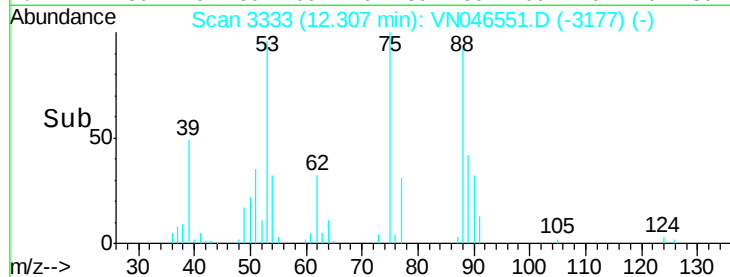
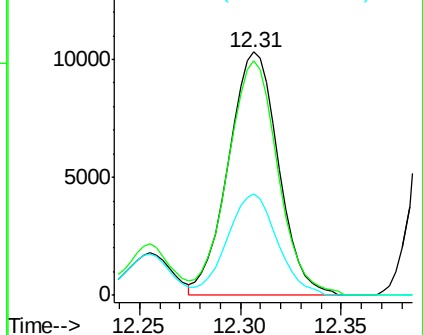
89 41.5 20.2 60.5



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: 19.23 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN046551.D

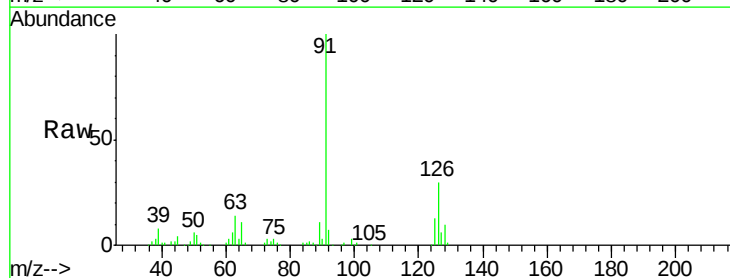
Acq: 24 Jan 2018 18:05

Tgt Ion: 91 Resp: 165094

Ion Ratio Lower Upper

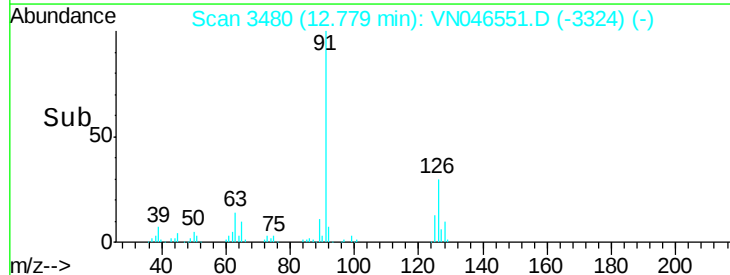
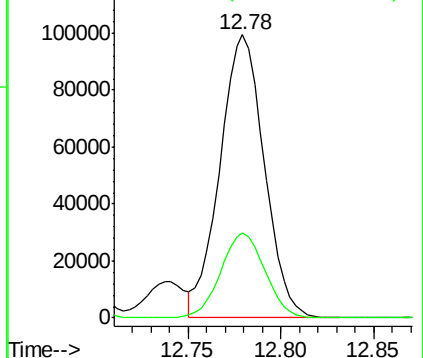
91 100

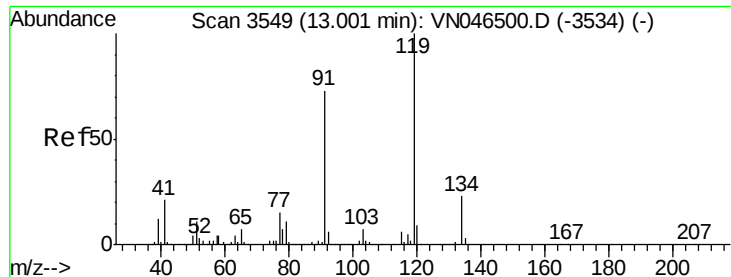
126 29.8 0.0 58.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

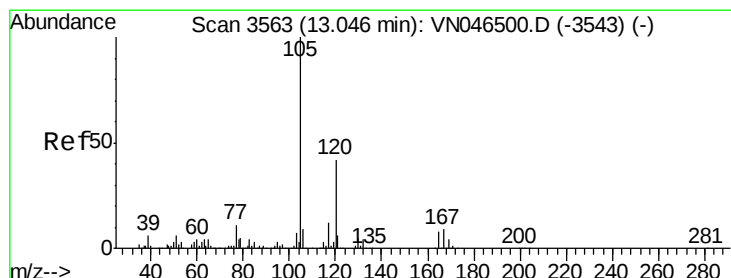
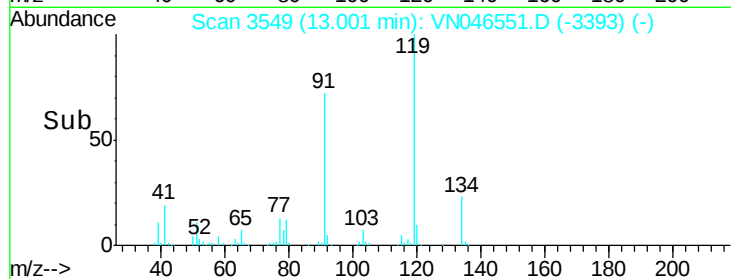
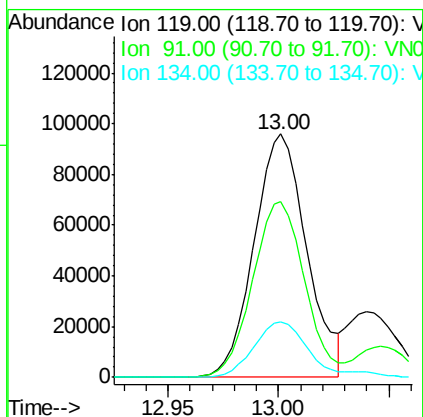
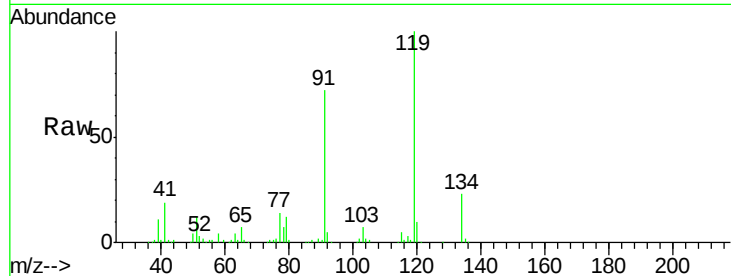




#79
tert-butylbenzene
Concen: 19.59 ug/l
RT: 13.00 min Scan# 3549
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

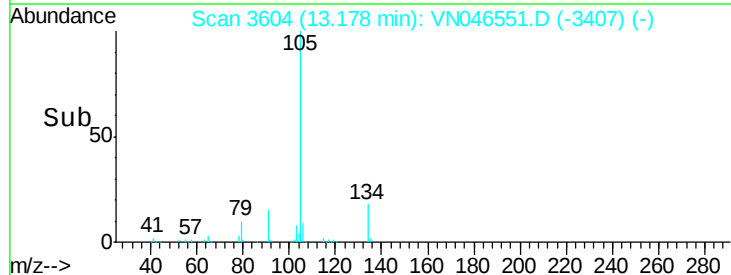
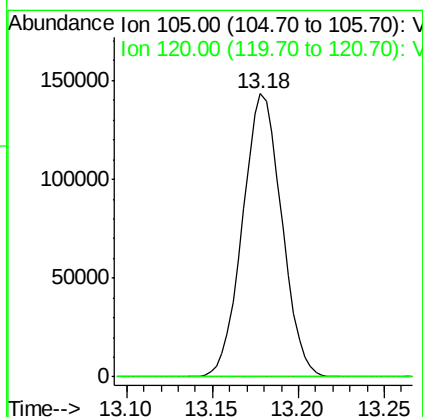
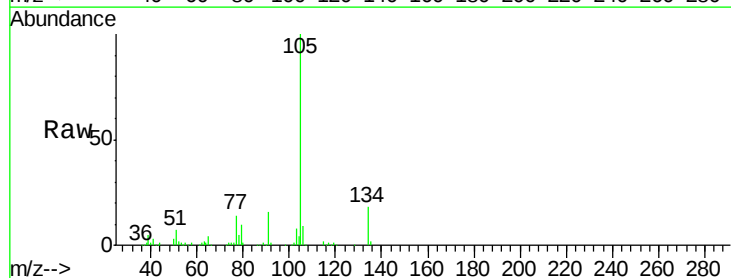
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

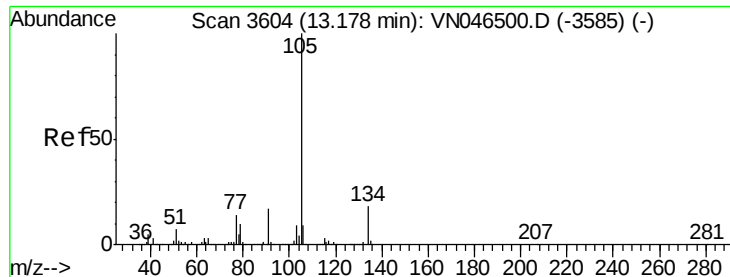
Tgt Ion:119 Resp: 158807
Ion Ratio Lower Upper
119 100
91 71.7 0.0 143.4
134 22.9 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 23.08 ug/l
RT: 13.18 min Scan# 3604
Delta R.T. 0.13 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion:105 Resp: 226816
Ion Ratio Lower Upper
105 100
120 0.1 0.0 0.2

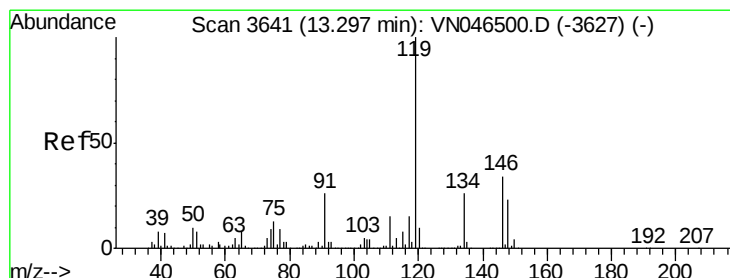
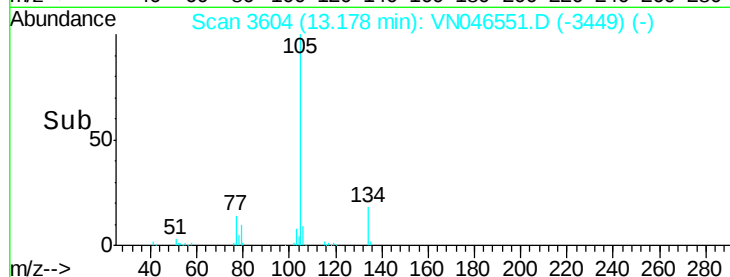
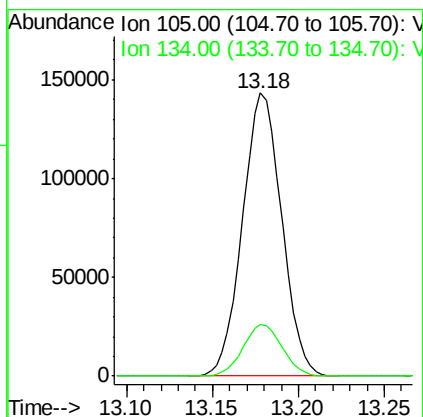
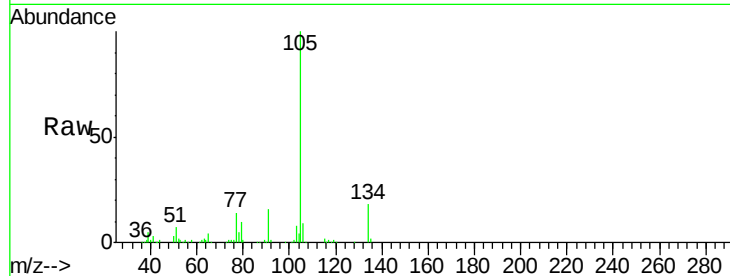




#81
 sec-Butylbenzene
 Concen: 19.31 ug/l
 RT: 13.18 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

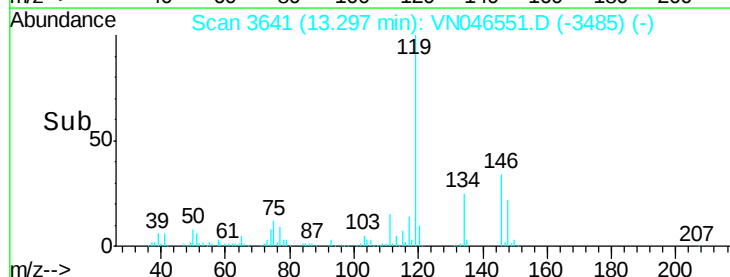
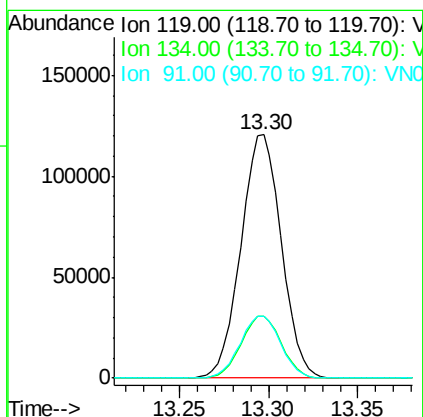
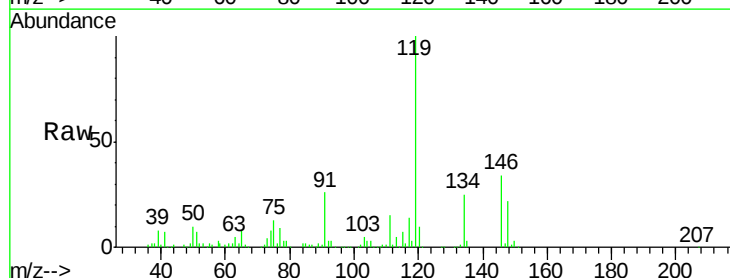
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

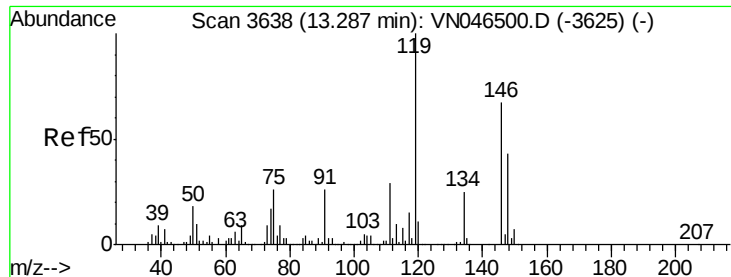
Tgt Ion:105 Resp: 226816
 Ion Ratio Lower Upper
 105 100
 134 18.3 0.0 36.6



#82
 p-Isopropyltoluene
 Concen: 19.38 ug/l
 RT: 13.30 min Scan# 3641
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion:119 Resp: 190394
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.4
 91 25.6 0.0 51.4

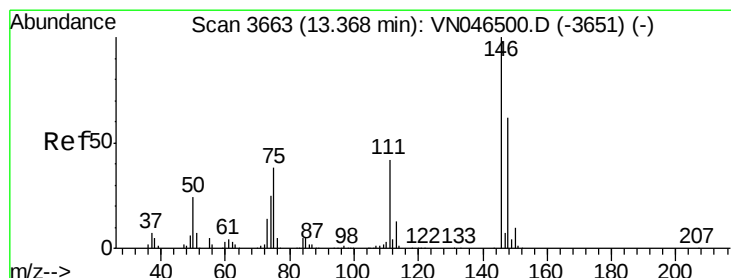
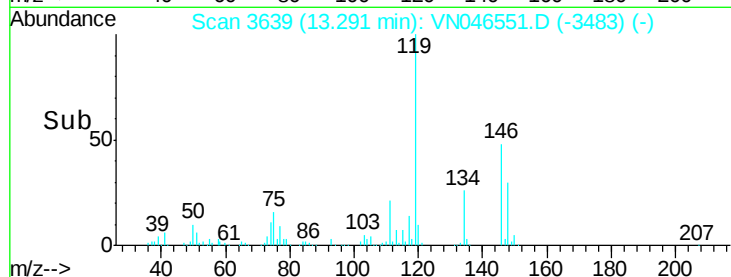
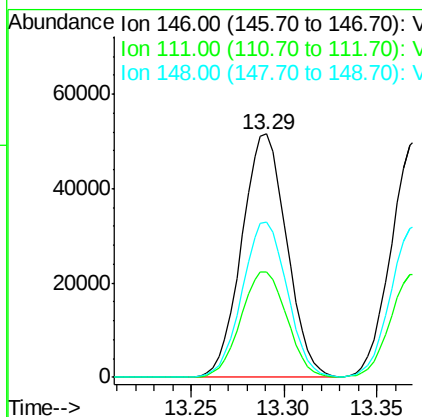
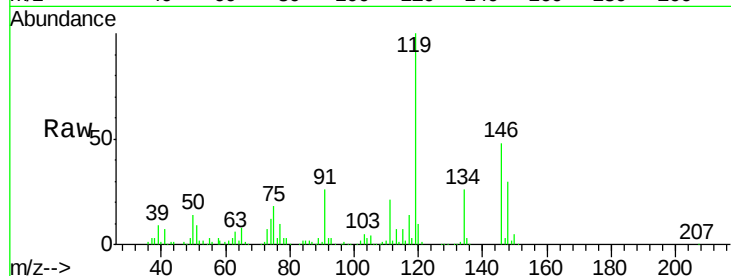




#83
 1,3-Dichlorobenzene
 Concen: 19.53 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

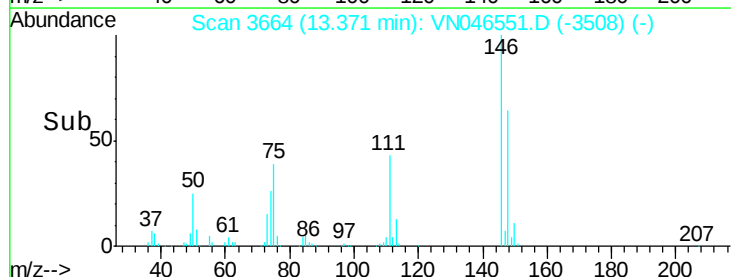
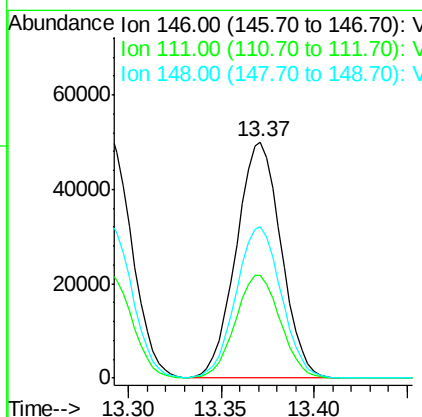
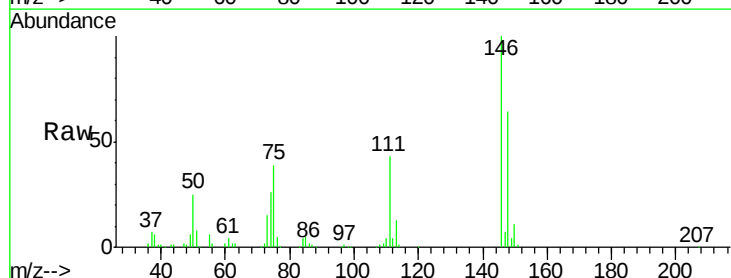
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

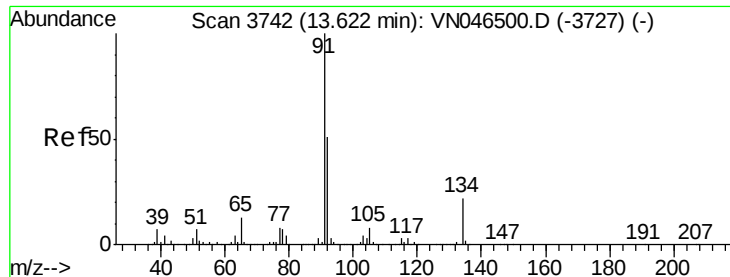
Tgt Ion:146 Resp: 86931
 Ion Ratio Lower Upper
 146 100
 111 44.1 22.3 66.9
 148 63.7 31.3 93.9



#84
 1,4-Dichlorobenzene
 Concen: 19.29 ug/l
 RT: 13.37 min Scan# 3664
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion:146 Resp: 84391
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.6 64.8
 148 64.7 31.8 95.3

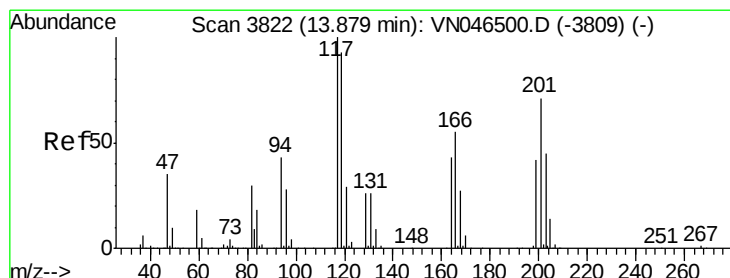
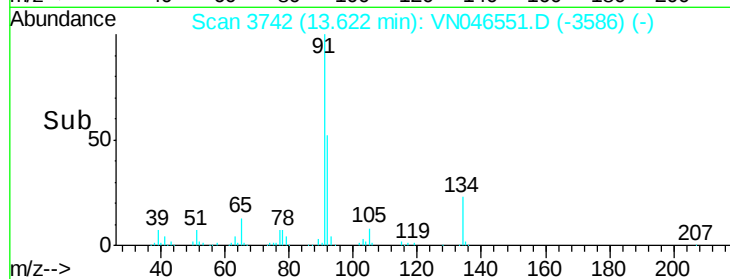
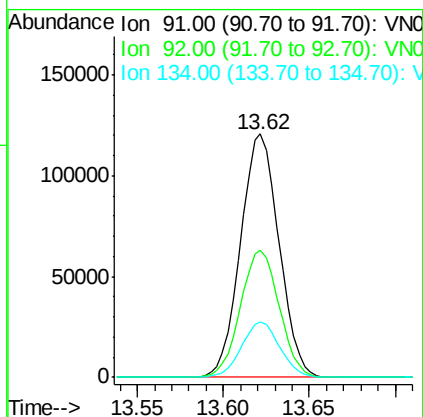
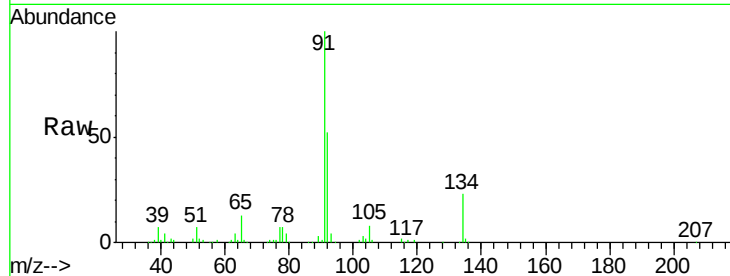




#85
n-Butylbenzene
Concen: 18.95 ug/l
RT: 13.62 min Scan# 3742
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

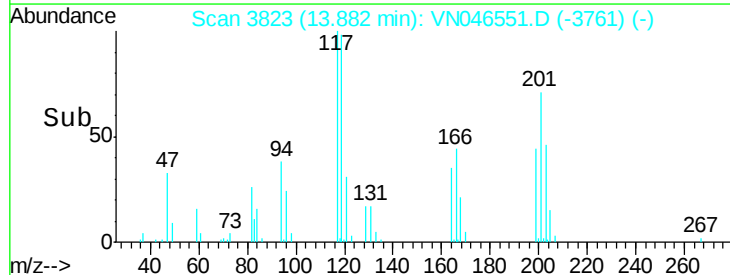
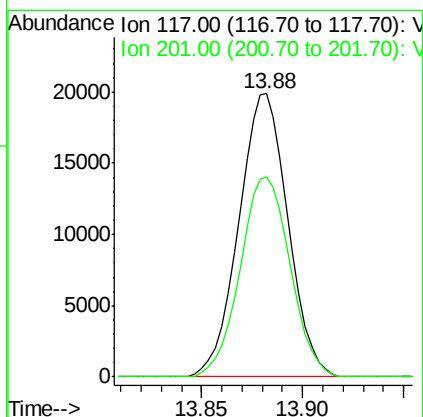
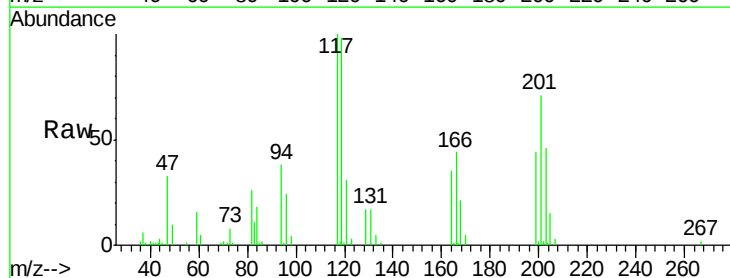
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

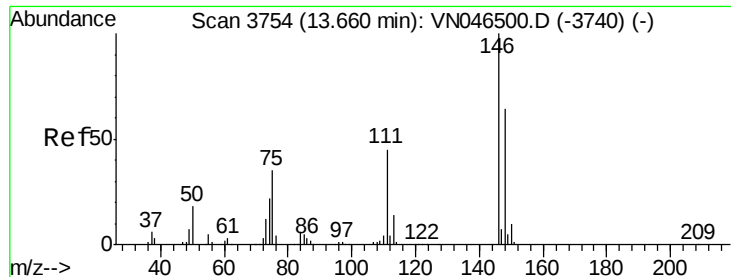
Tgt Ion: 91 Resp: 187956
Ion Ratio Lower Upper
91 100
92 52.7 0.0 105.6
134 22.5 0.0 44.6



#86
Hexachloroethane
Concen: 18.48 ug/l
RT: 13.88 min Scan# 3823
Delta R.T. 0.00 min
Lab File: VN046551.D
Acq: 24 Jan 2018 18:05

Tgt Ion: 117 Resp: 33797
Ion Ratio Lower Upper
117 100
201 71.9 35.0 105.1





#87

1,2-Dichlorobenzene

Concen: 19.86 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

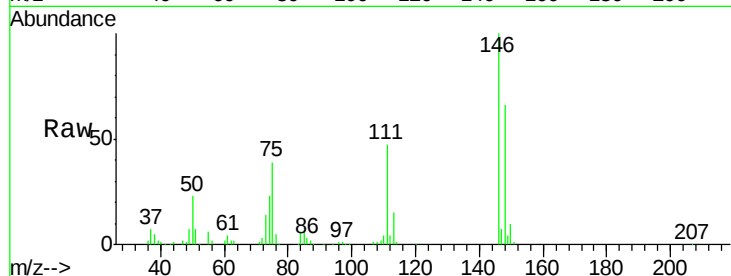
Tgt Ion:146 Resp: 85013

Ion Ratio Lower Upper

146 100

111 46.7 22.9 68.8

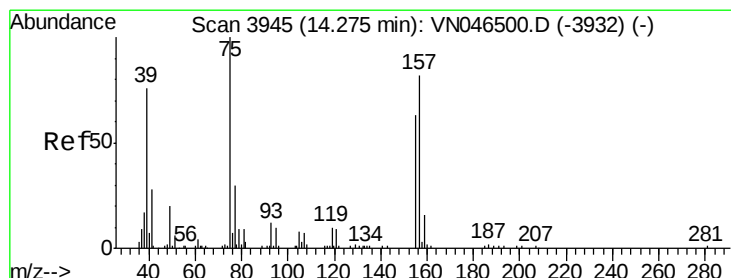
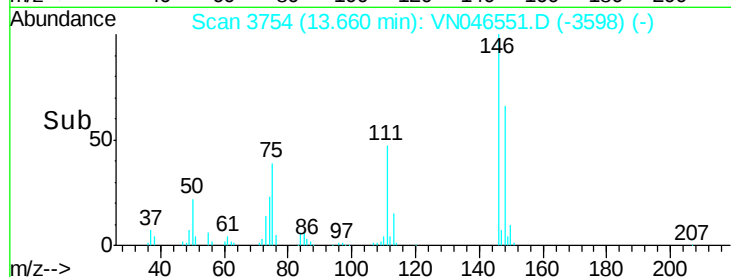
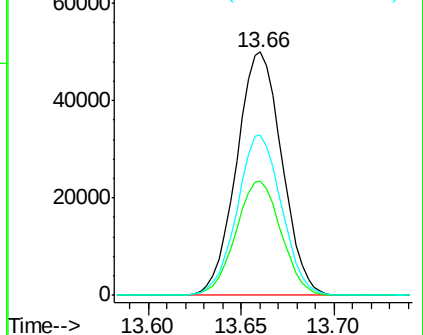
148 64.4 32.0 96.0



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: 19.88 ug/l

RT: 14.28 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

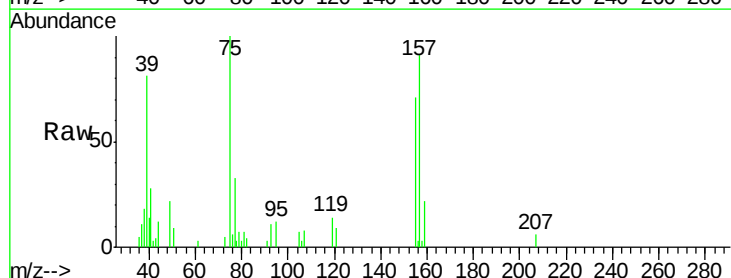
Tgt Ion: 75 Resp: 10629

Ion Ratio Lower Upper

75 100

155 68.9 52.6 79.0

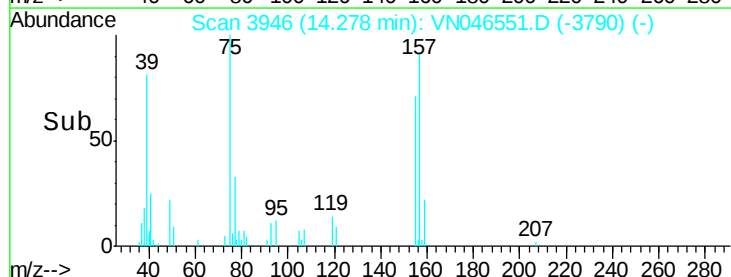
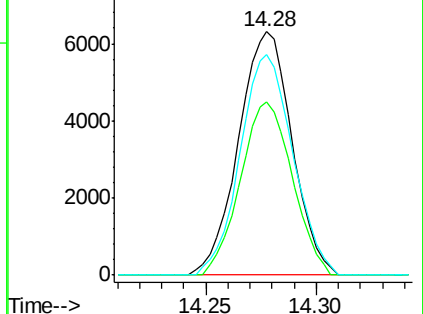
157 89.4 67.3 100.9

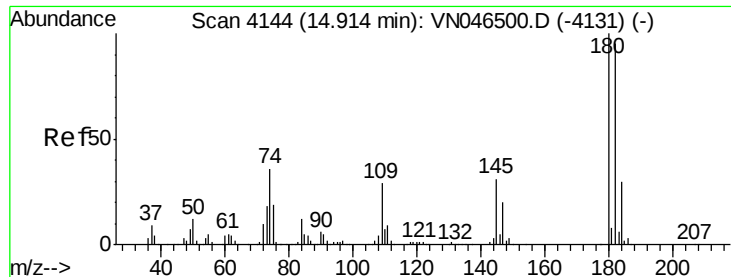


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

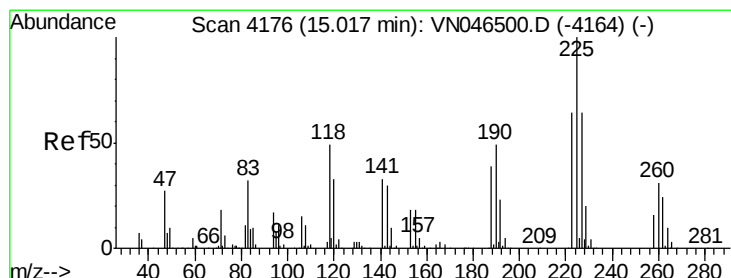
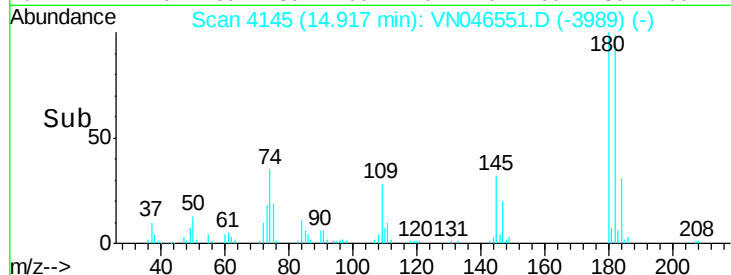
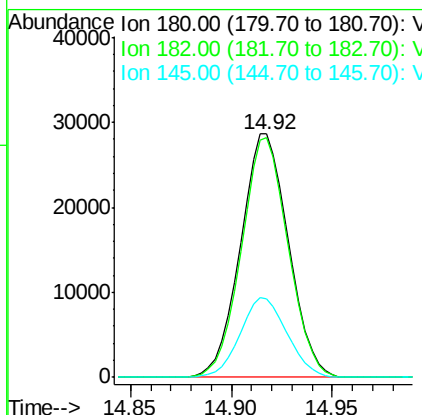
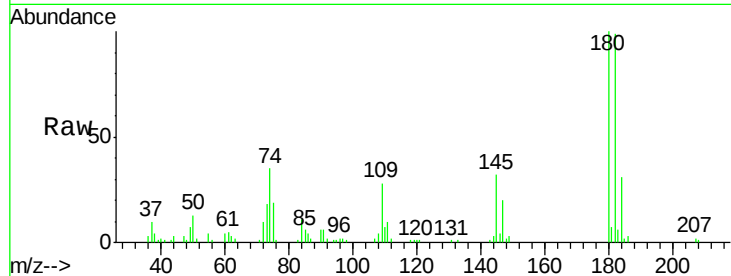




#89
 1,2,4-Trichlorobenzene
 Concen: 18.88 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

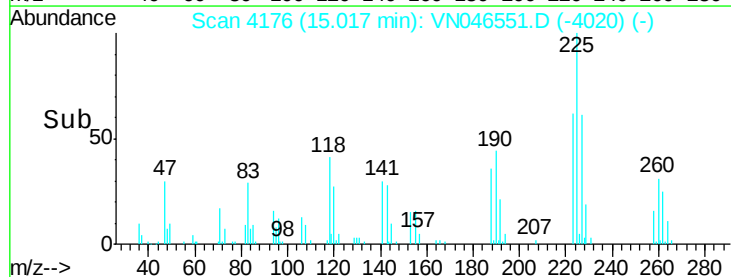
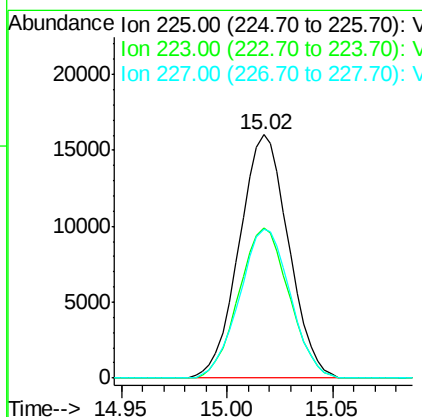
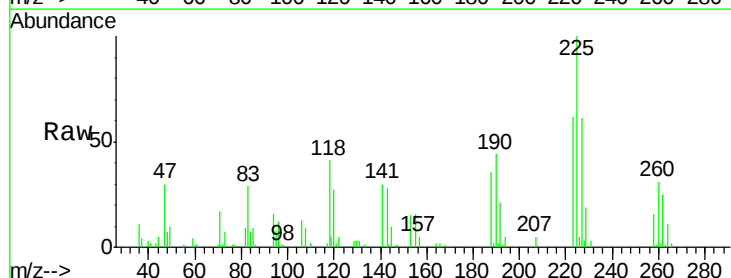
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

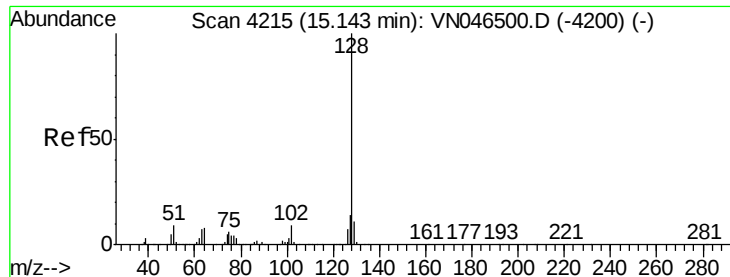
Tgt Ion:180 Resp: 47592
 Ion Ratio Lower Upper
 180 100
 182 95.9 75.7 113.5
 145 32.0 25.2 37.8



#90
 Hexachlorobutadiene
 Concen: 19.32 ug/l
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN046551.D
 Acq: 24 Jan 2018 18:05

Tgt Ion:225 Resp: 26049
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 123.6
 227 63.1 0.0 128.2





#91

Naphthalene

Concen: 19.34 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. -0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

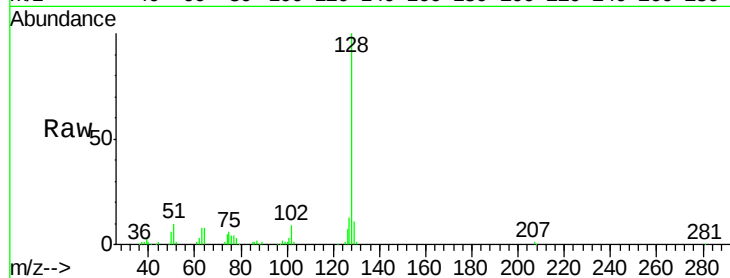
Tgt Ion:128 Resp: 116774

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

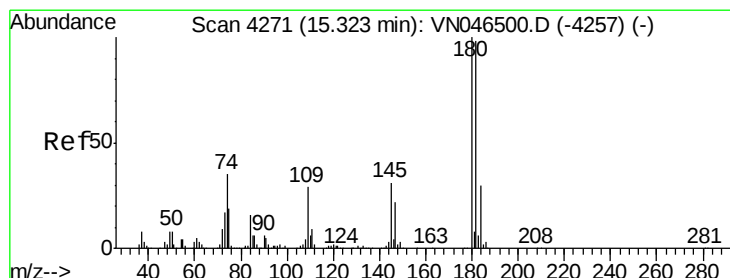
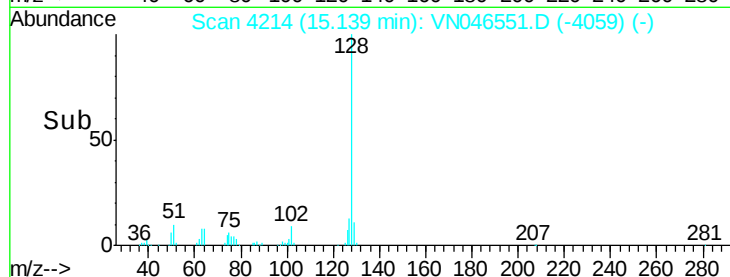
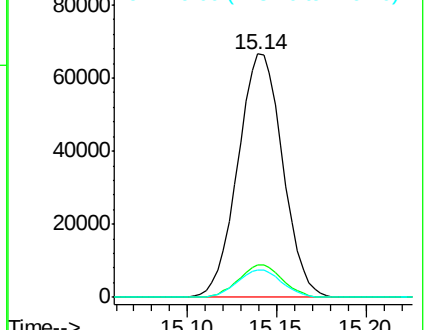
129 11.1 8.7 13.1



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: 19.58 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN046551.D

Acq: 24 Jan 2018 18:05

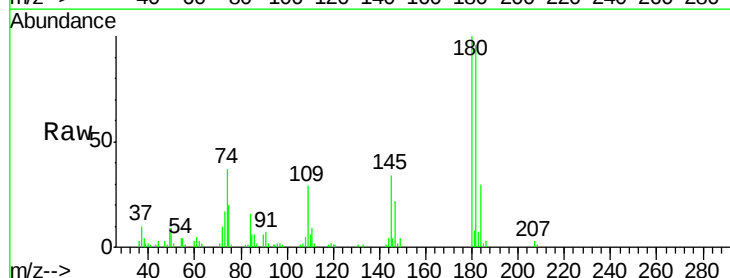
Tgt Ion:180 Resp: 47404

Ion Ratio Lower Upper

180 100

182 95.0 0.0 190.8

145 33.6 0.0 68.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

