

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072518\
 Data File : VN050036.D
 Acq On : 25 Jul 2018 8:29
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 26 05:37:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 05:33:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123326	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	620588	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	535471	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260399	31.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.53%
60) 4-Bromofluorobenzene	12.40	95	224667	27.31	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.03%
63) Toluene-d8	10.09	98	791363	30.94	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.13%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	34746	4.088 ug/l	98
3) Chloromethane	2.06	50	43412	4.954 ug/l	100
4) Vinyl Chloride	2.18	62	46661	5.002 ug/l	99
5) Bromomethane	2.56	94	31506	5.540 ug/l	94
6) Chloroethane	2.70	64	30010	5.439 ug/l	97
7) Trichlorofluoromethane	3.01	101	63881	5.240 ug/l	98
8) Diethyl Ether	3.41	74	20383	4.985 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	40107	5.408 ug/l	98
10) 1,1-Dichloroethene	3.73	96	32412	4.929 ug/l	92
11) Methyl Iodide	3.95	142	40188	4.154 ug/l	95
12) Methyl Acetate	4.33	43	34892	4.632 ug/l	96
13) Acrolein	3.61	56	15654	33.629 ug/l	99
14) Acrylonitrile	4.99	53	55669	22.149 ug/l	99
15) Acetone	3.82	58	16705	25.009 ug/l	96
16) Carbon Disulfide	4.05	76	104457	5.191 ug/l	100
17) Allyl chloride	4.32	41	47802	4.603 ug/l	98
18) Methylene Chloride	4.55	84	40689	5.363 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	34357	4.881 ug/l	97
20) Diisopropyl ether	5.96	45	91883	4.315 ug/l	91
21) 1,1-Dichloroethane	5.85	63	70620	5.275 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	37093	4.751 ug/l	97
23) tert-Butyl Alcohol	4.80	59	5156	9.176 ug/l	# 99
24) Methyl tert-Butyl Ether	5.05	73	76750	4.280 ug/l	97
25) Chloroform	7.37	83	71659	5.287 ug/l	99
26) Cyclohexane	7.65	56	44584	4.191 ug/l	# 99
29) 1,1-Dichloropropene	7.79	75	44739	4.645 ug/l	99
30) 2-Butanone	6.84	43	71594	23.689 ug/l	# 96
31) 2,2-Dichloropropane	6.83	77	57060	5.360 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	61300	5.407 ug/l	100
33) Carbon Tetrachloride	7.78	117	54511	5.394 ug/l	93
34) Benzene	8.05	78	148914	5.091 ug/l	# 79
35) Methacrylonitrile	7.17	41	17188	4.995 ug/l	94
36) 1,2-Dichloroethane	8.13	62	52849	5.503 ug/l	97
37) Trichloroethene	8.83	130	40672	5.302 ug/l	95
38) Methylcyclohexane	9.08	83	45828	4.514 ug/l	96
39) 1,2-Dichloropropane	9.12	63	40083	5.202 ug/l	99
40) Dibromomethane	9.21	93	25121	5.275 ug/l	99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 26 05:37:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 05:33:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	53036	5.280	ug/l	97
42) Vinyl Acetate	5.90	43	299354	21.049	ug/l	99
43) Ethyl Acetate	6.94	43	27986	4.435	ug/l #	71
44) Isopropyl Acetate	8.17	43	55728	4.767	ug/l #	91
45) 1,4-Dioxane	9.20	88	6416	83.401	ug/l	92
46) Methyl methacrylate	9.20	41	23683	4.179	ug/l	97
47) n-amyl Acetate	12.07	43	32056	3.524	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	45799	4.599	ug/l	97
49) cis-1,3-Dichloropropene	9.84	75	51003	4.533	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	36296	5.310	ug/l	98
51) Ethyl methacrylate	10.43	69	33544	4.043	ug/l	98
52) 1,3-Dichloropropane	10.71	76	56143	5.002	ug/l	100
53) Dibromochloromethane	10.90	129	39410	5.080	ug/l	98
54) 1,2-Dibromoethane	11.01	107	32570	4.865	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	67981	18.104	ug/l	97
56) Bromoform	12.13	173	26078	4.761	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	138885	22.290	ug/l	97
59) 2-Hexanone	10.75	43	90988	21.405	ug/l	93
61) Tetrachloroethene	10.63	164	41233	5.685	ug/l	98
62) Toluene	10.16	91	159642	5.225	ug/l	99
64) Chlorobenzene	11.44	112	93680	5.057	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	38381	5.312	ug/l	100
66) Ethyl Benzene	11.51	91	137035	4.389	ug/l	99
67) m/p-Xylenes	11.62	106	104172	8.670	ug/l	98
68) o-Xylene	11.95	106	49970	4.371	ug/l	99
69) Styrene	11.97	104	71737	3.914	ug/l	97
70) Isopropylbenzene	12.25	105	129975	4.269	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	43268	5.176	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	48585	7.238	ug/l	53
73) Bromobenzene	12.53	156	39052	4.815	ug/l	97
74) n-propylbenzene	12.59	91	151485	4.272	ug/l	100
75) 2-Chlorotoluene	12.68	91	97675	4.586	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	103999	4.159	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	9459	4.052	ug/l	91
78) 4-Chlorotoluene	12.78	91	90787	4.302	ug/l	98
79) tert-butylbenzene	12.99	119	91493	4.280	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	101597	4.010	ug/l	100
81) sec-Butylbenzene	13.17	105	124168	4.275	ug/l	99
82) p-Isopropyltoluene	13.29	119	94787	3.825	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	64260	4.550	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	55854	4.185	ug/l	100
85) n-Butylbenzene	13.62	91	70960	3.528	ug/l	98
86) Hexachloroethane	13.88	117	25188	5.086	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	61965	4.489	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	5951	4.570	ug/l	90
89) 1,2,4-Trichlorobenzene	14.91	180	17647	2.677	ug/l	97
90) Hexachlorobutadiene	15.01	225	21740	5.001	ug/l	96
91) Naphthalene	15.14	128	33008	9.237	ug/l	98
92) 1,2,3-Trichlorobenzene	15.32	180	20978	3.129	ug/l	99

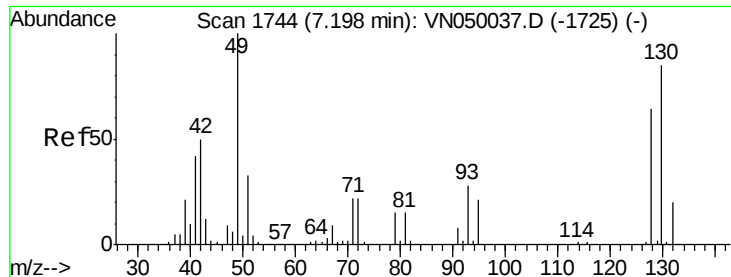
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN072518\
Data File : VN050036.D
Acq On : 25 Jul 2018 8:29
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jul 26 05:37:47 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N072518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 05:33:47 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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

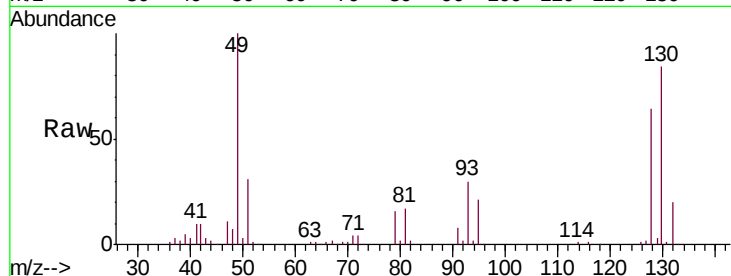
Tgt Ion:128 Resp: 123326

Ion Ratio Lower Upper

128 100

49 153.7 0.0 378.3

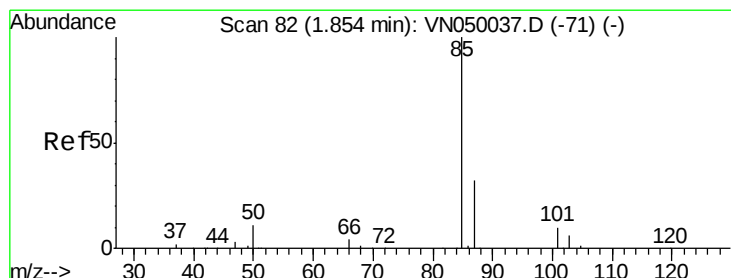
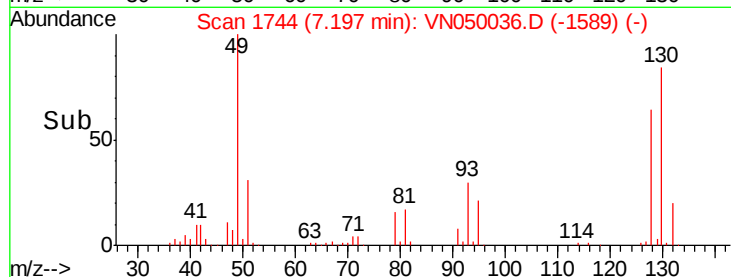
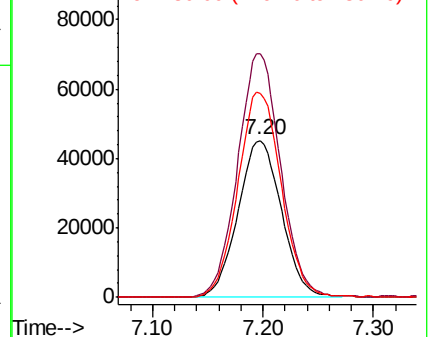
130 130.5 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 4.088 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050036.D

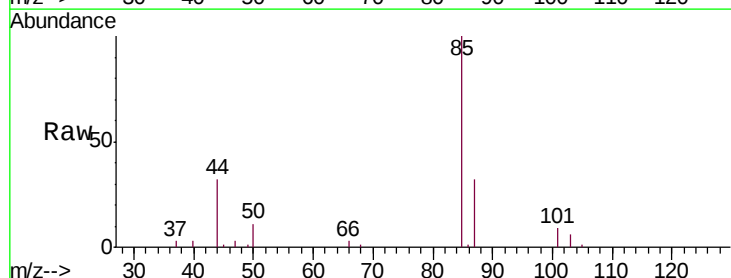
Acq: 25 Jul 2018 8:29

Tgt Ion: 85 Resp: 34746

Ion Ratio Lower Upper

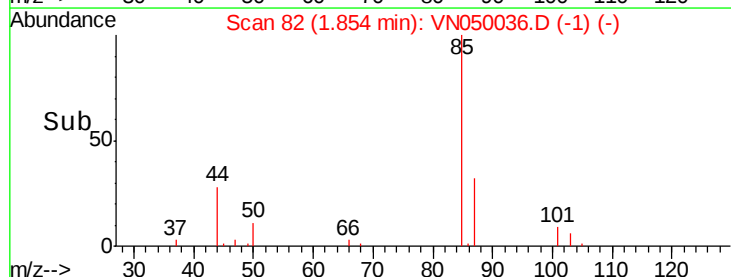
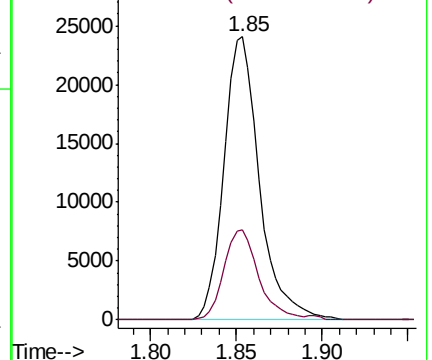
85 100

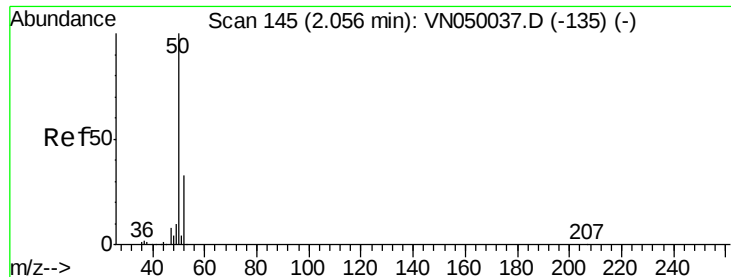
87 31.9 15.4 46.4



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 4.954 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

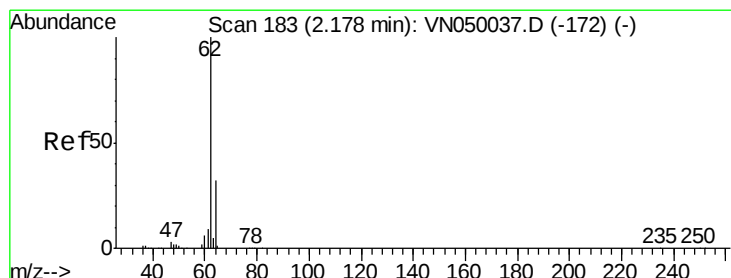
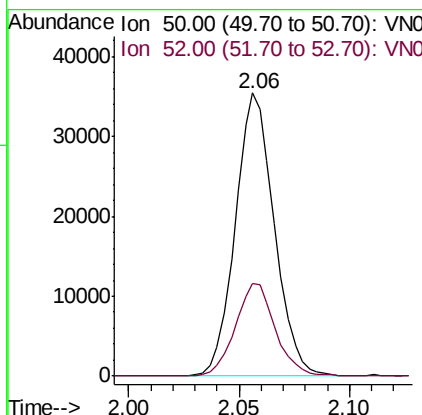
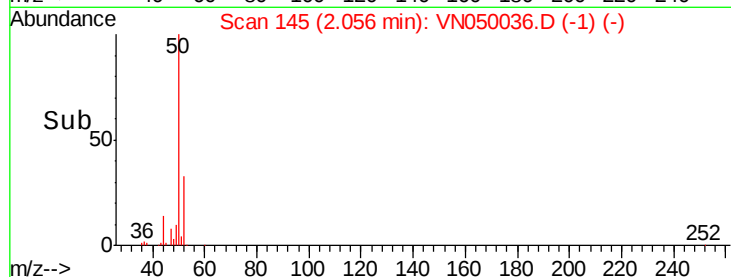
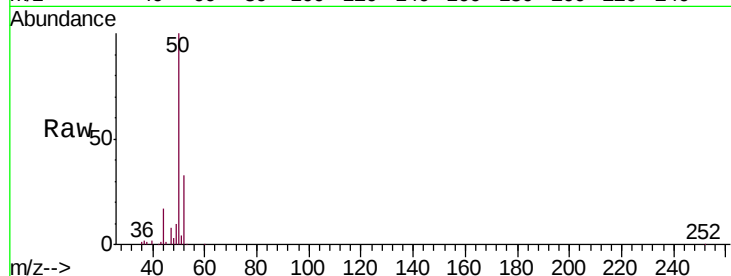
VSTDIC005

Tgt Ion: 50 Resp: 43412

Ion Ratio Lower Upper

50 100

52 32.7 26.1 39.1



#4

Vinyl Chloride

Concen: 5.002 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN050036.D

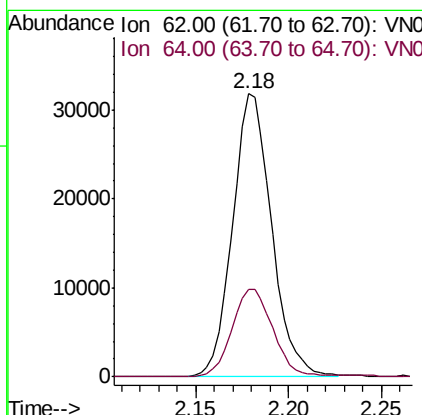
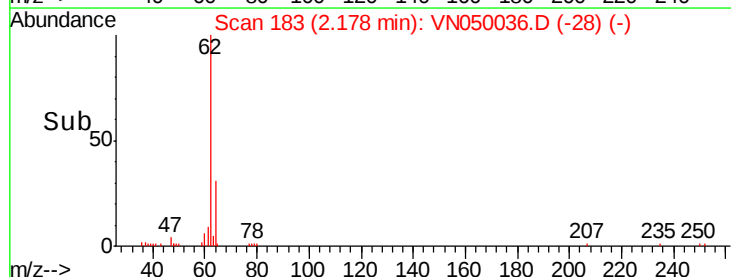
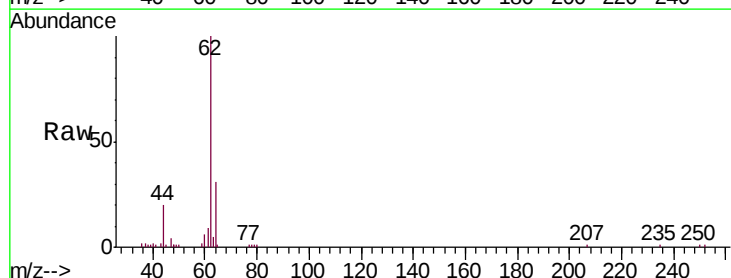
Acq: 25 Jul 2018 8:29

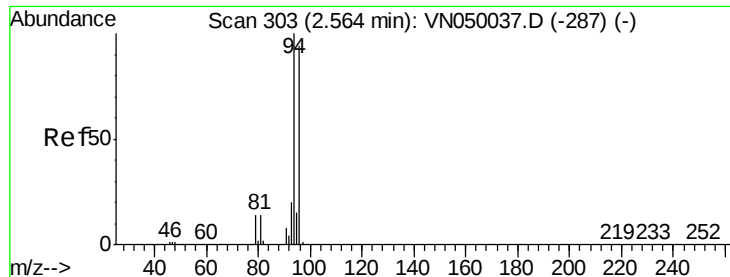
Tgt Ion: 62 Resp: 46661

Ion Ratio Lower Upper

62 100

64 31.0 24.4 36.6





#5

Bromomethane

Concen: 5.540 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

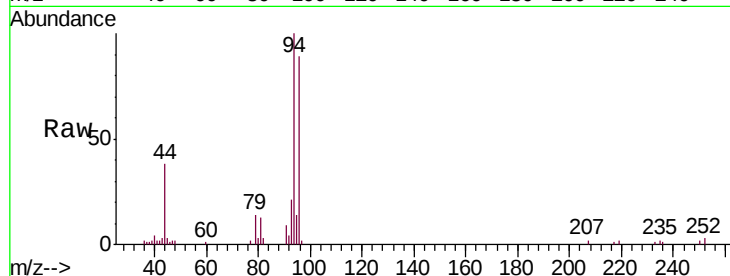
VSTDIC005

Tgt Ion: 94 Resp: 31506

Ion Ratio Lower Upper

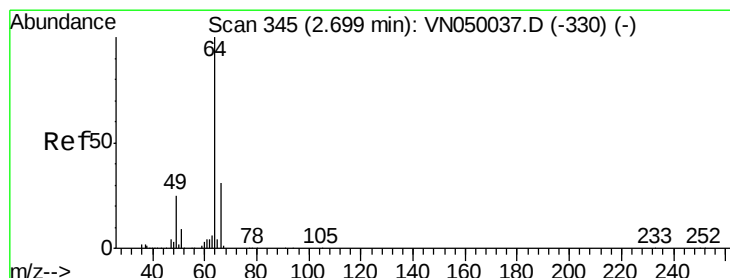
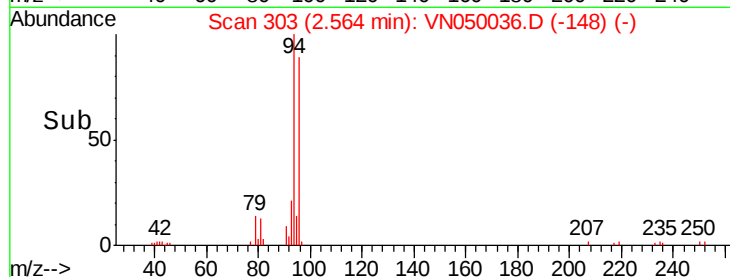
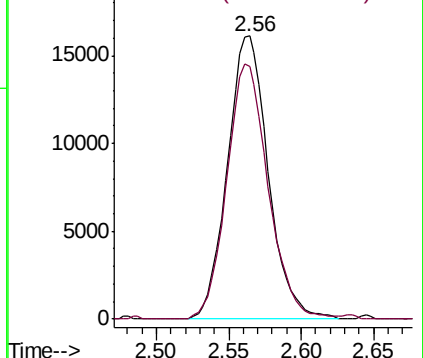
94 100

96 89.2 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 5.439 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050036.D

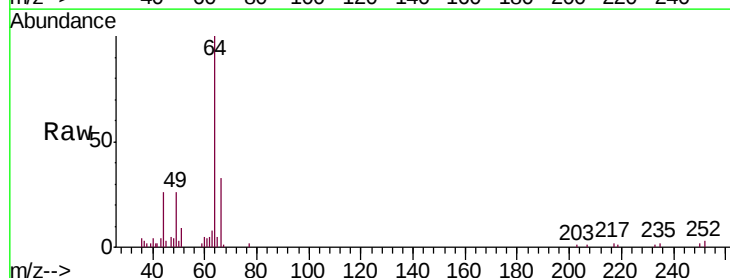
Acq: 25 Jul 2018 8:29

Tgt Ion: 64 Resp: 30010

Ion Ratio Lower Upper

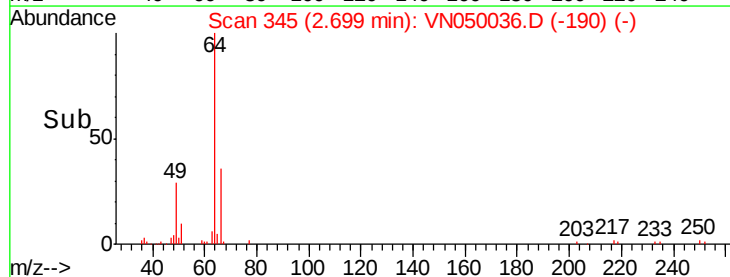
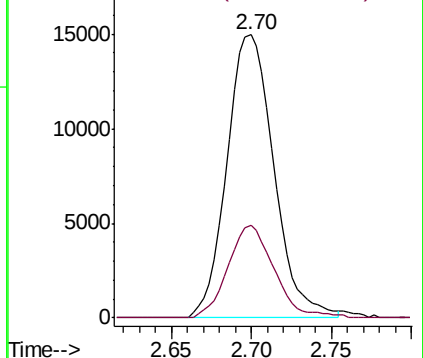
64 100

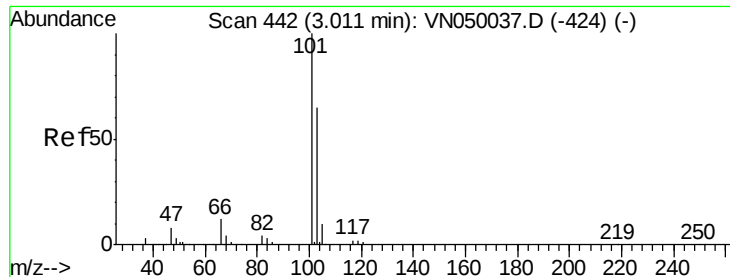
66 32.9 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



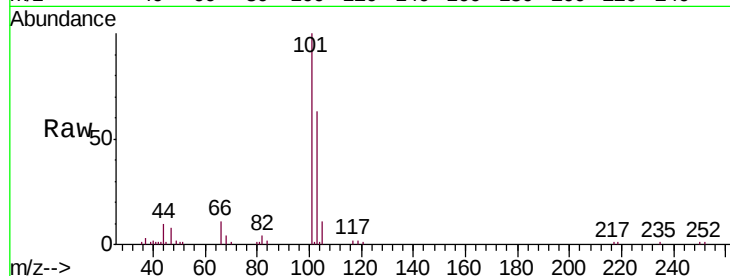


#7

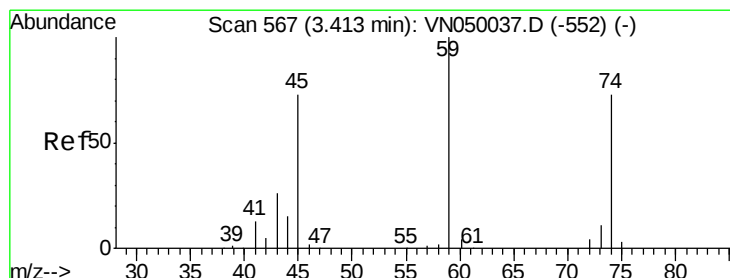
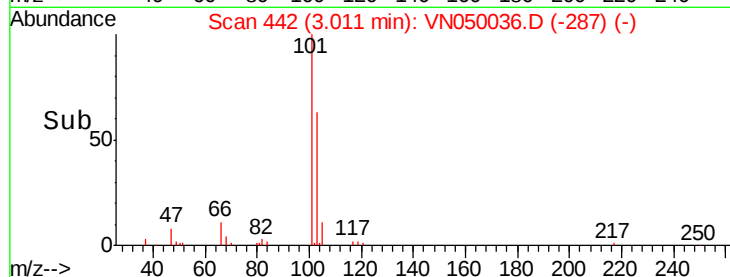
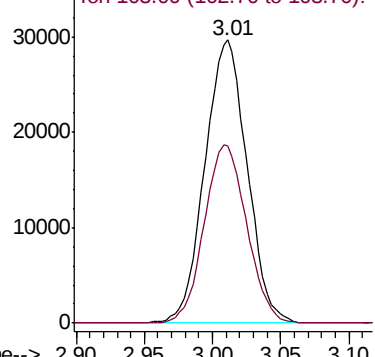
Trichlorofluoromethane
 Concen: 5.240 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 63881
 Ion Ratio Lower Upper
 101 100
 103 62.5 51.5 77.3



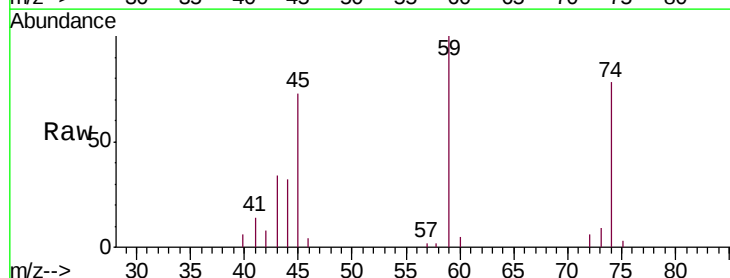
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



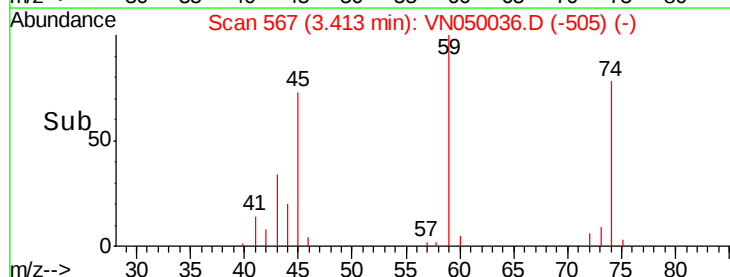
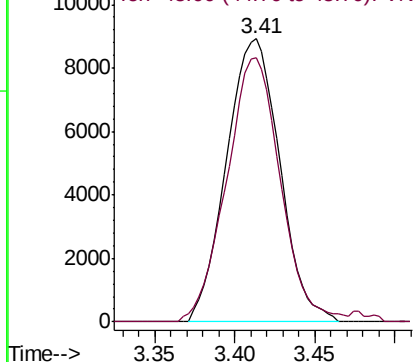
#8

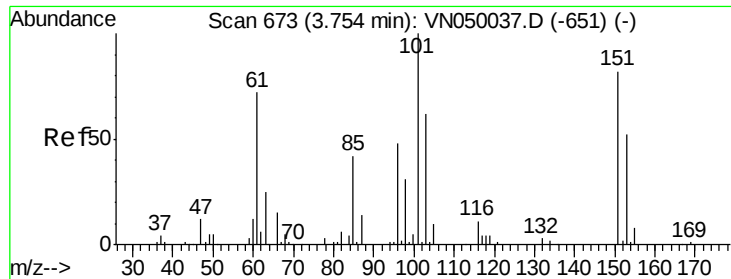
Diethyl Ether
 Concen: 4.985 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 74 Resp: 20383
 Ion Ratio Lower Upper
 74 100
 45 94.0 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.408 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

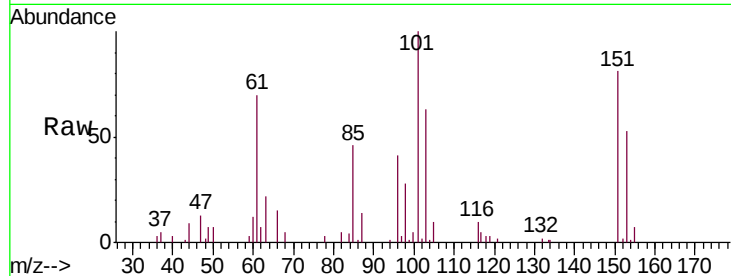
Tgt Ion: 101 Resp: 40107

Ion Ratio Lower Upper

101 100

85 44.5 0.0 83.0

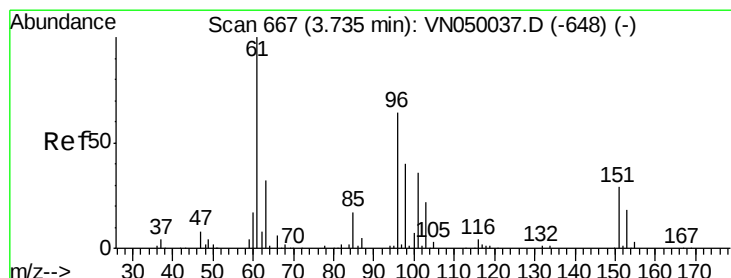
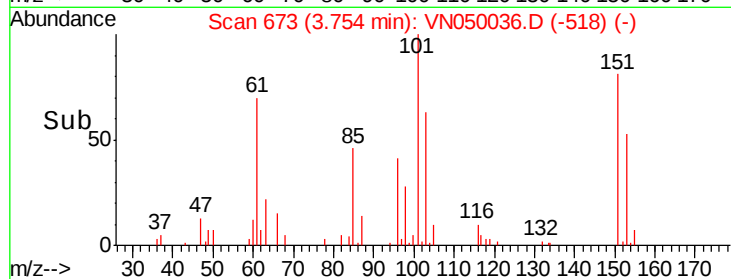
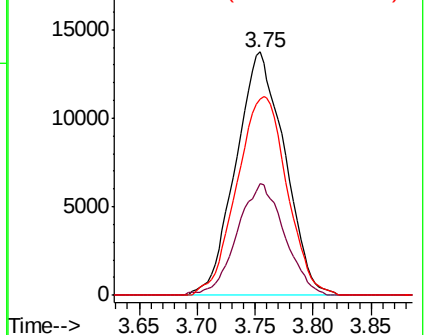
151 84.0 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.929 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

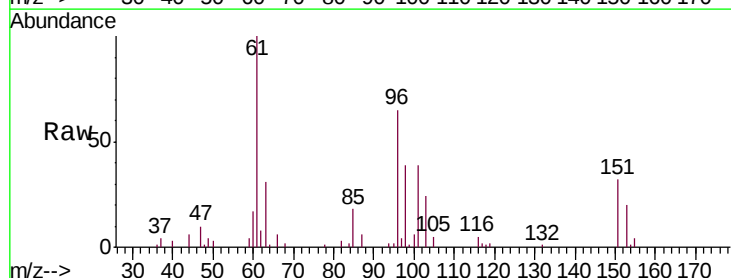
Tgt Ion: 96 Resp: 32412

Ion Ratio Lower Upper

96 100

61 153.3 130.6 195.8

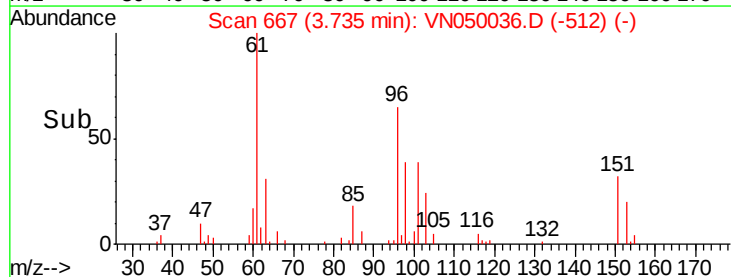
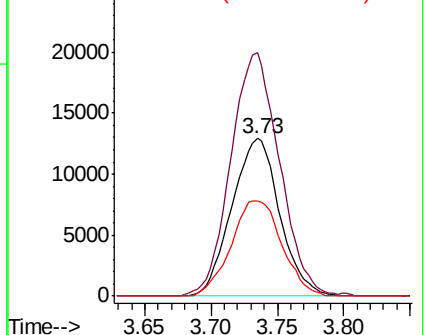
98 60.5 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

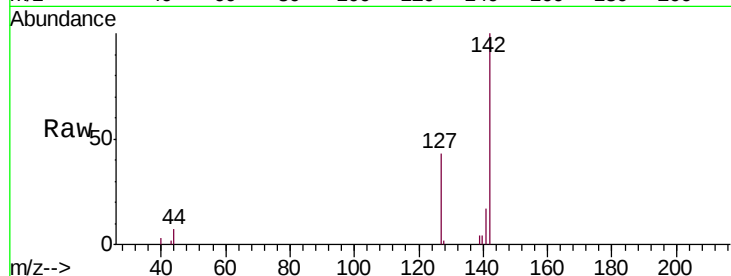




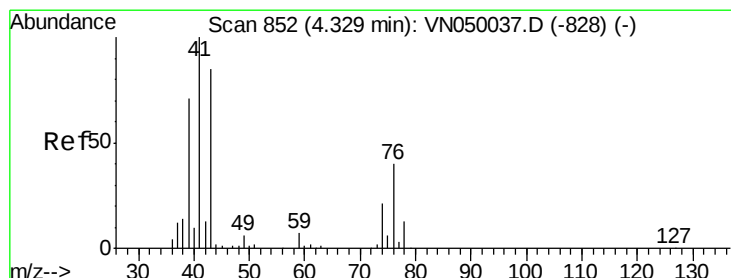
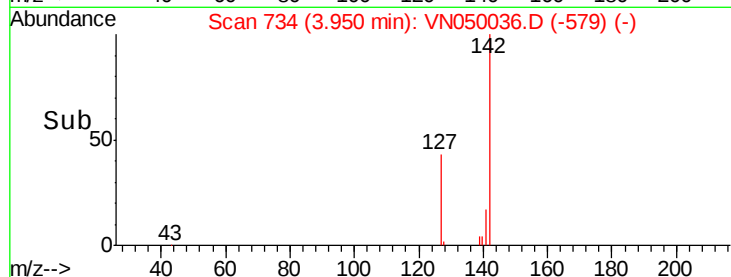
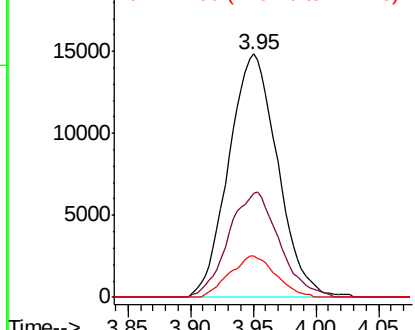
#11
Methyl Iodide
Concen: 4.154 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.8	20.2	60.5
141	17.1	6.9	20.6

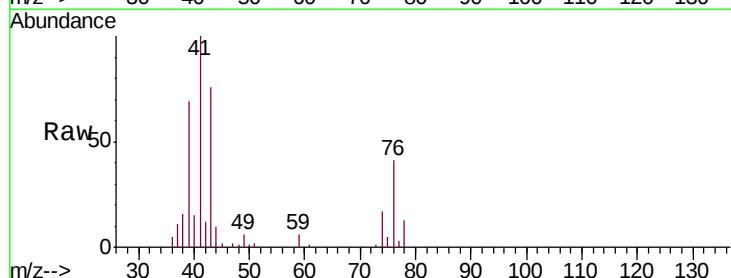


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

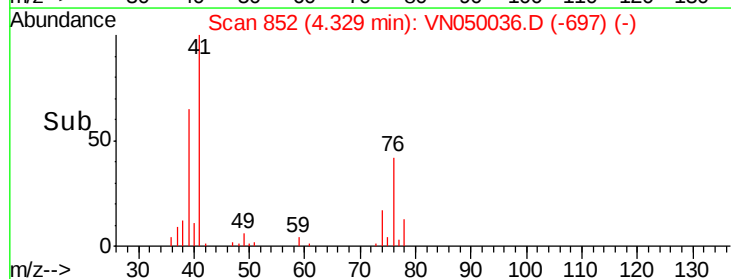
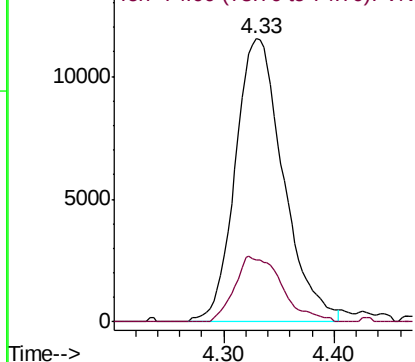


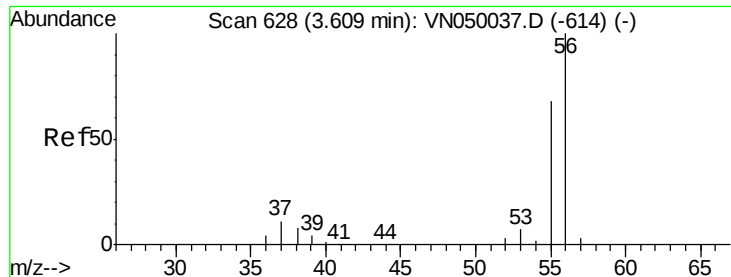
#12
Methyl Acetate
Concen: 4.632 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	19.3	28.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 33.629 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

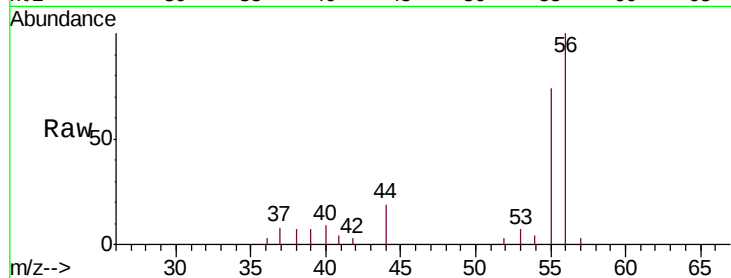
VSTDIC005

Tgt Ion: 56 Resp: 15654

Ion Ratio Lower Upper

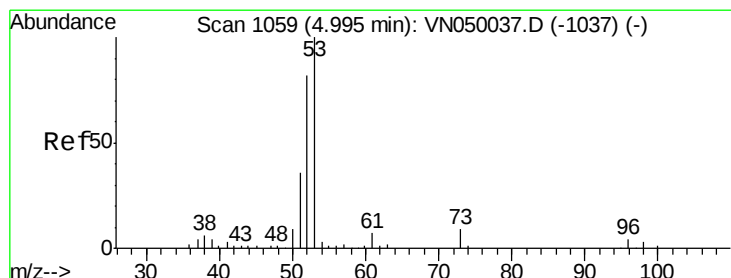
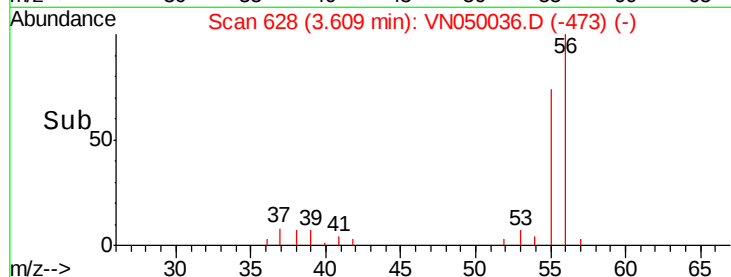
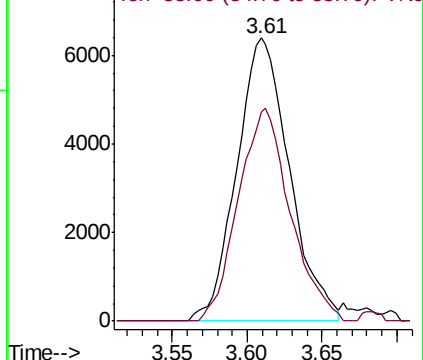
56 100

55 74.4 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 22.149 ug/l

RT: 4.99 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

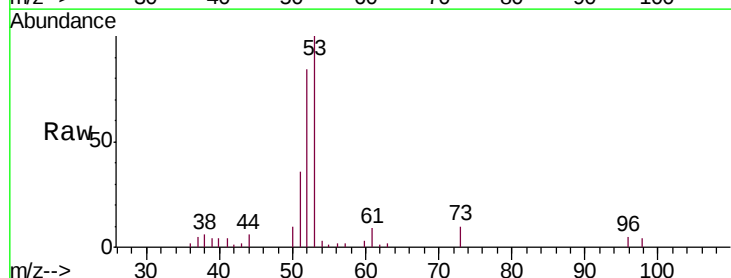
Tgt Ion: 53 Resp: 55669

Ion Ratio Lower Upper

53 100

52 81.9 41.5 124.5

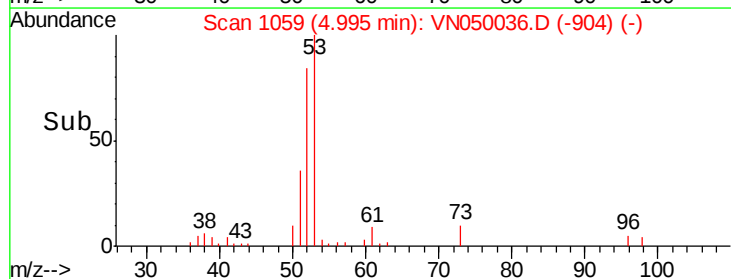
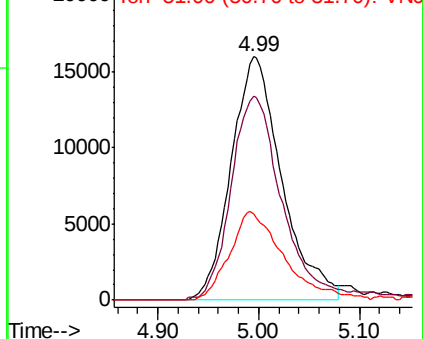
51 37.0 18.7 56.1

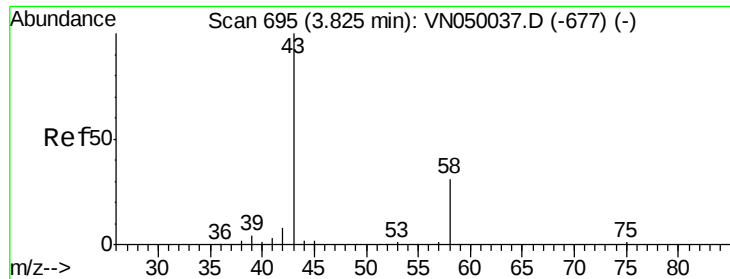


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 25.009 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

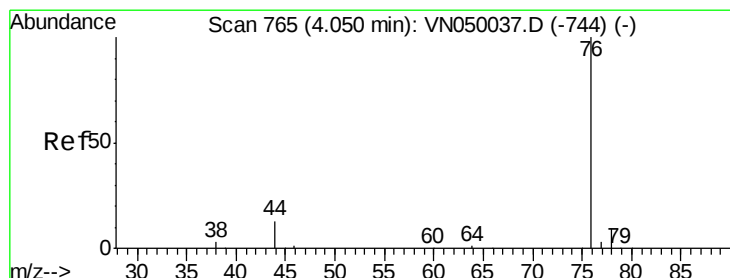
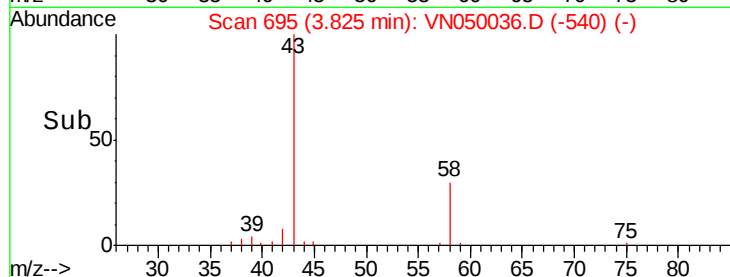
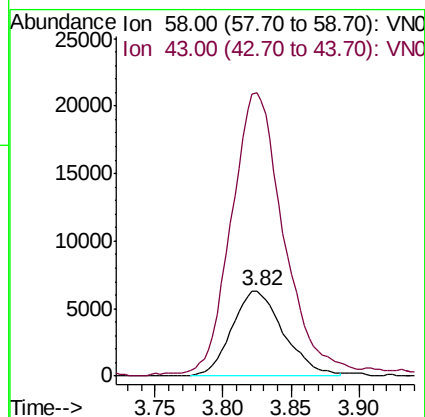
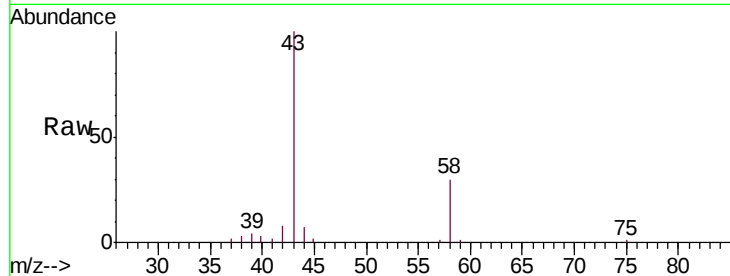
VSTDIC005

Tgt Ion: 58 Resp: 16705

Ion Ratio Lower Upper

58 100

43 323.9 252.0 378.0



#16

Carbon Disulfide

Concen: 5.191 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN050036.D

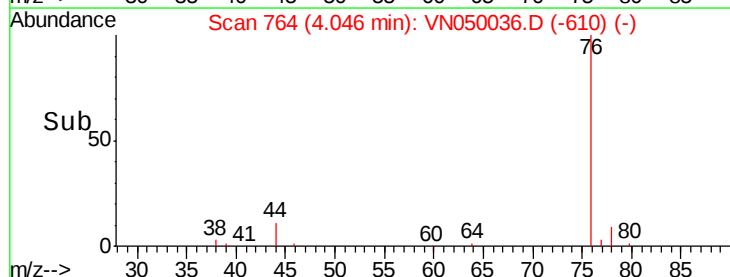
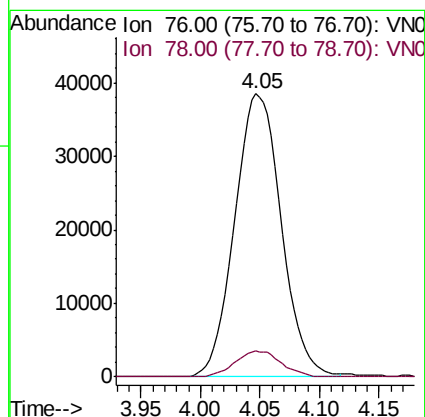
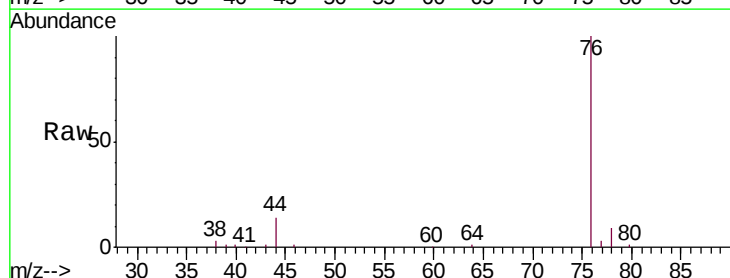
Acq: 25 Jul 2018 8:29

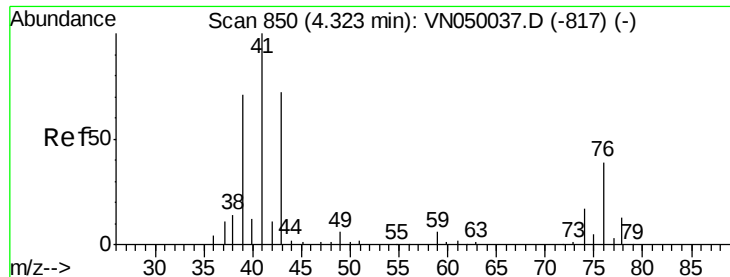
Tgt Ion: 76 Resp: 104457

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

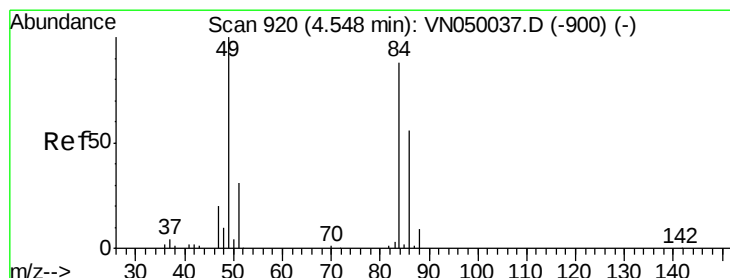
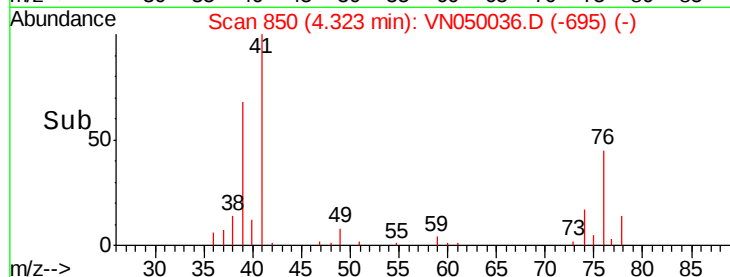
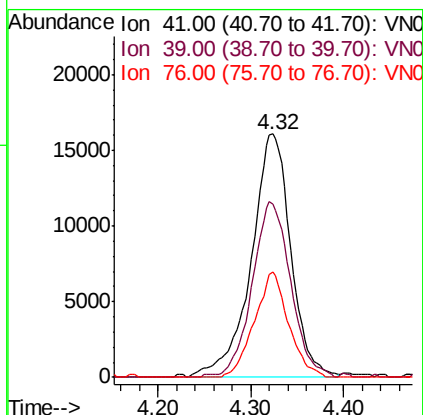
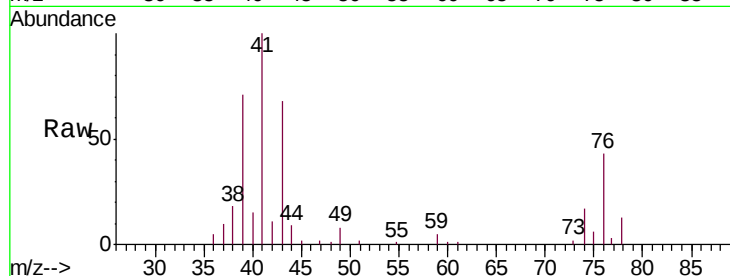




#17
 Allyl chloride
 Concen: 4.603 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

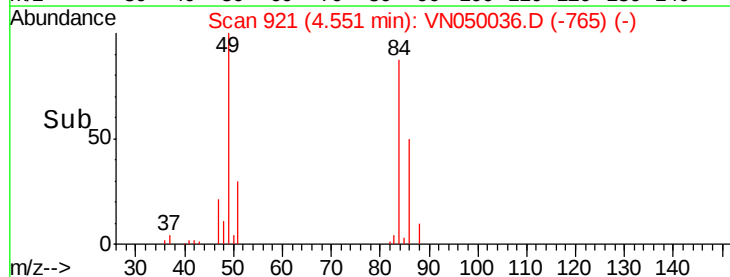
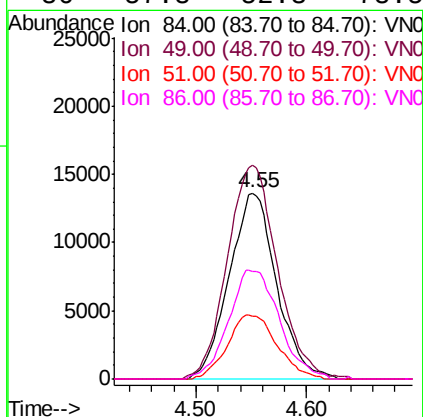
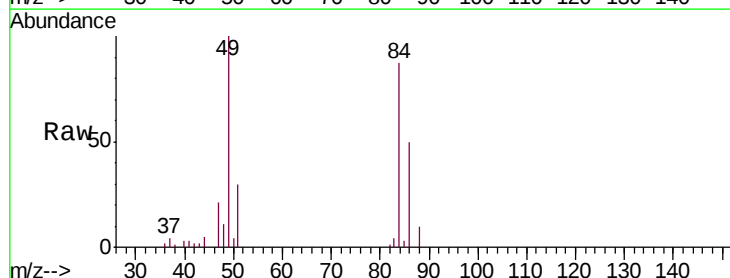
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

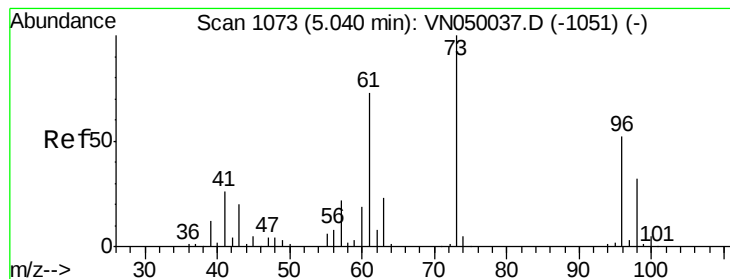
Tgt Ion: 41 Resp: 47802
 Ion Ratio Lower Upper
 41 100
 39 71.3 35.4 106.3
 76 43.2 19.7 59.1



#18
 Methylene Chloride
 Concen: 5.363 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 84 Resp: 40689
 Ion Ratio Lower Upper
 84 100
 49 113.5 95.1 142.7
 51 33.9 28.8 43.2
 86 57.8 52.3 78.5





#19

trans-1,2-Dichloroethene

Concen: 4.881 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

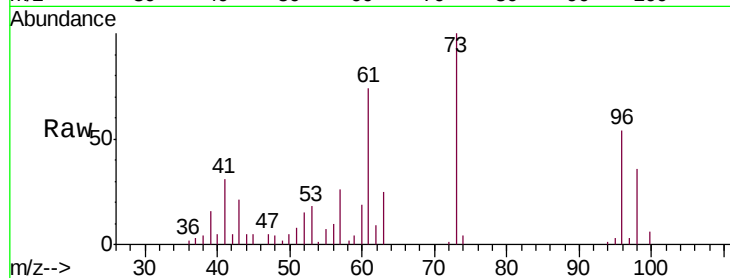
Tgt Ion: 96 Resp: 34357

Ion Ratio Lower Upper

96 100

61 137.7 112.1 168.1

98 67.1 51.3 76.9

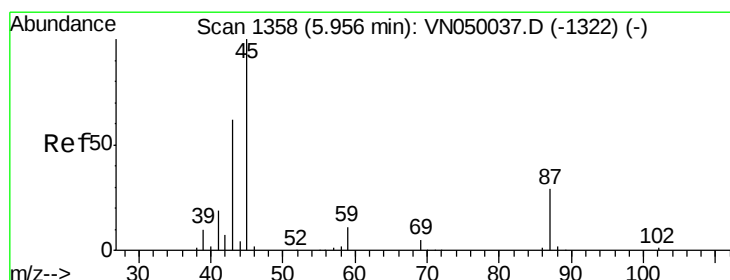
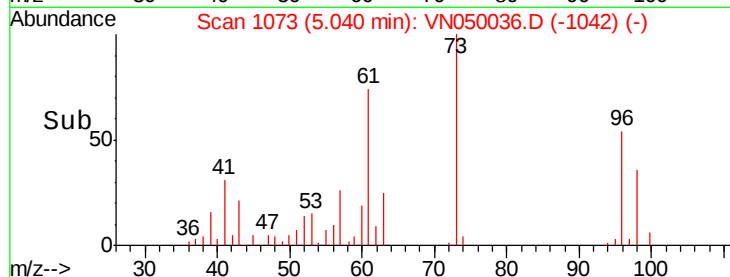
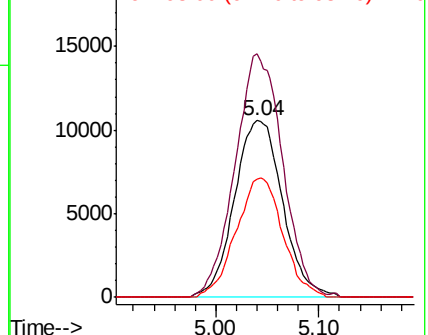


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 4.315 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Tgt Ion: 45 Resp: 91883

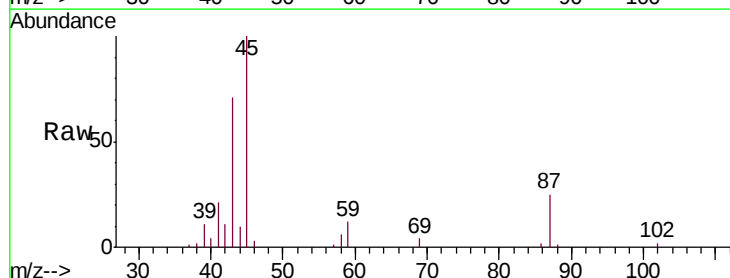
Ion Ratio Lower Upper

45 100

43 66.5 46.6 70.0

87 24.1 22.3 33.5

59 11.7 9.5 14.3



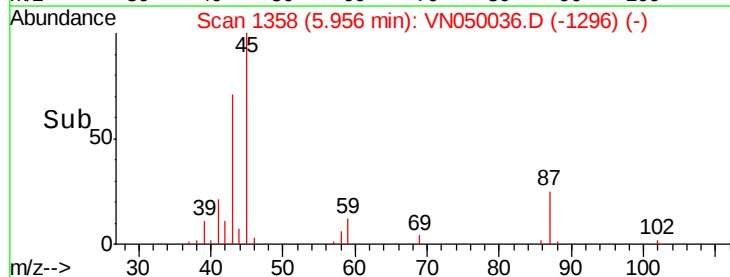
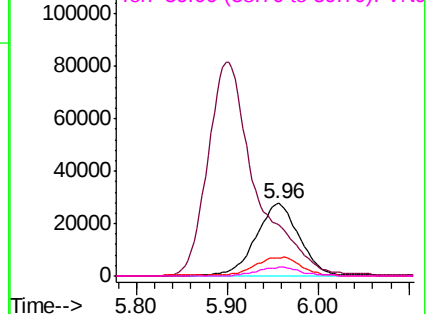
Abundance

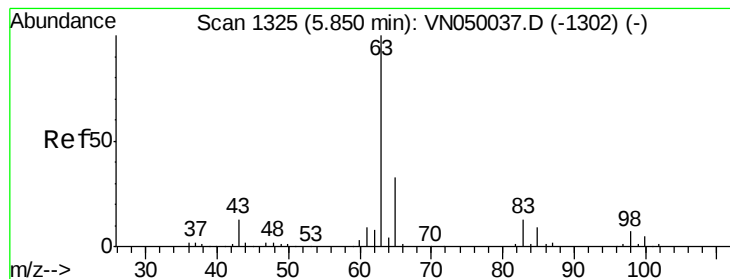
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#21

1,1-Dichloroethane

Concen: 5.275 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

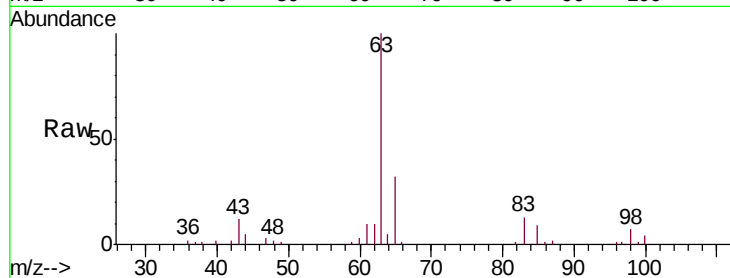
Tgt Ion: 63 Resp: 70620

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 3.7 2.3 6.8

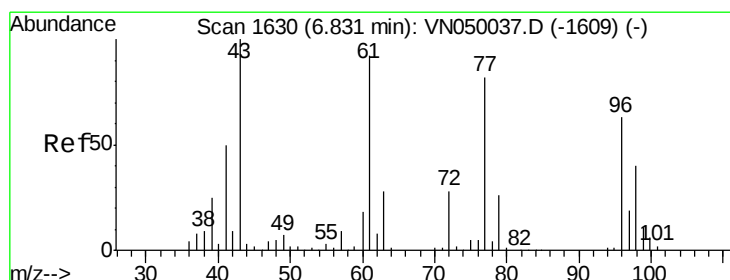
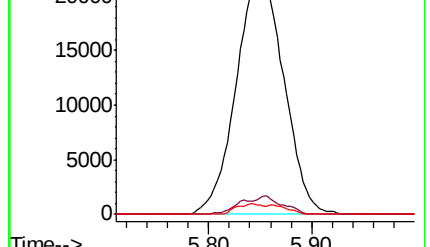
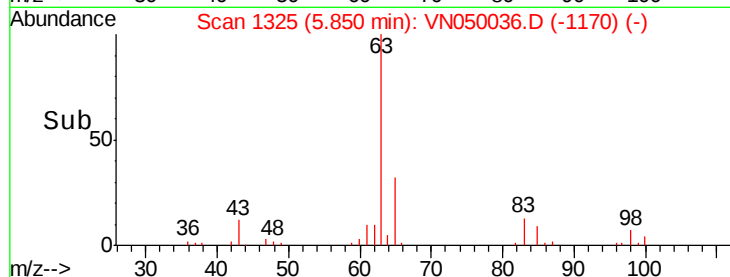


Abundance Ion 63.00 (62.70 to 63.70): VN050037.D (-1302) (-)

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

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

Time-->



#22

cis-1,2-Dichloroethene

Concen: 4.751 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

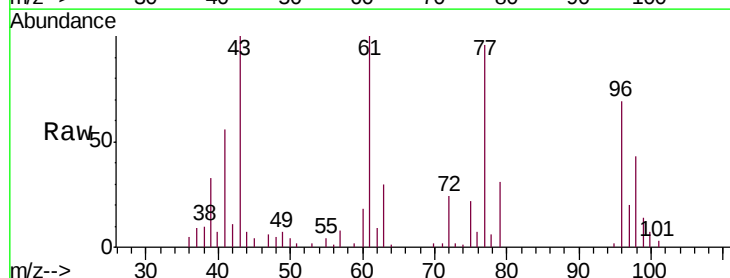
Tgt Ion: 96 Resp: 37093

Ion Ratio Lower Upper

96 100

61 148.1 114.2 171.2

98 63.4 51.7 77.5

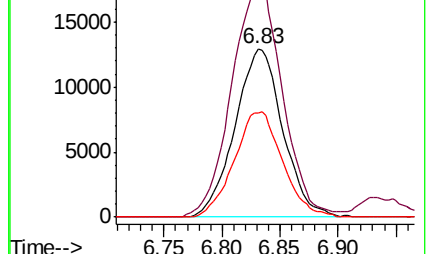
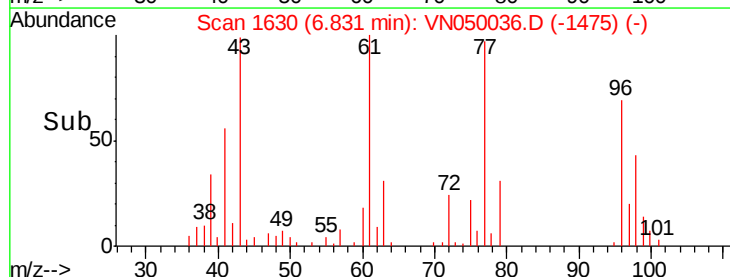


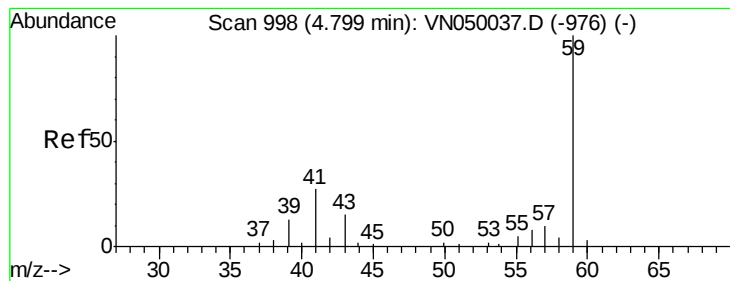
Abundance Ion 96.00 (95.70 to 96.70): VN050037.D (-1609) (-)

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

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

Time-->



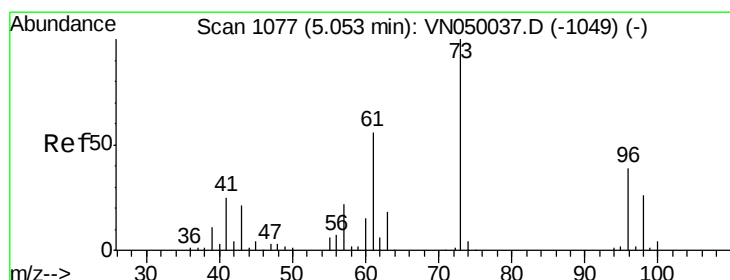
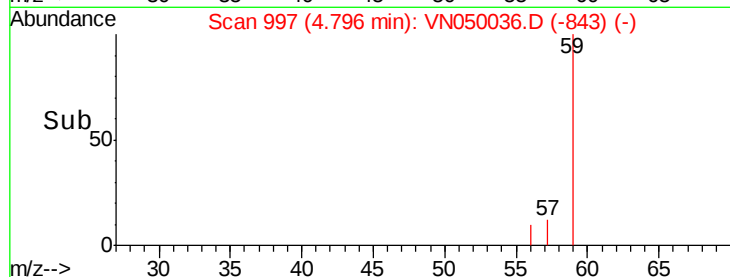
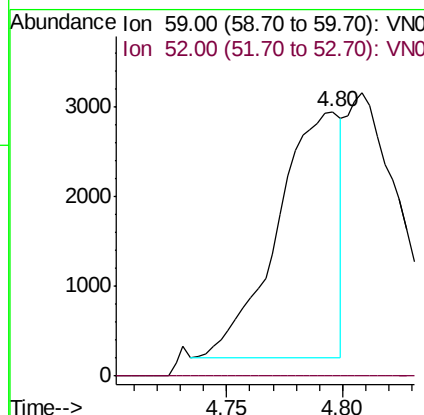
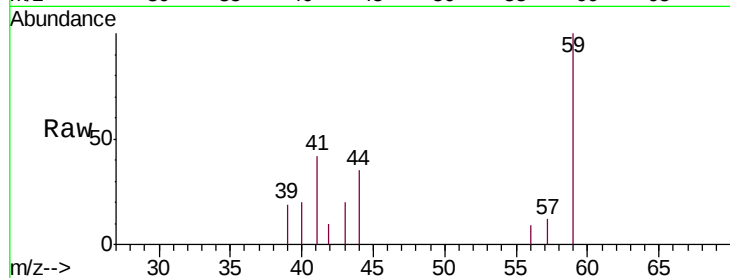


#23

tert-Butyl Alcohol
 Concen: 9.176 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

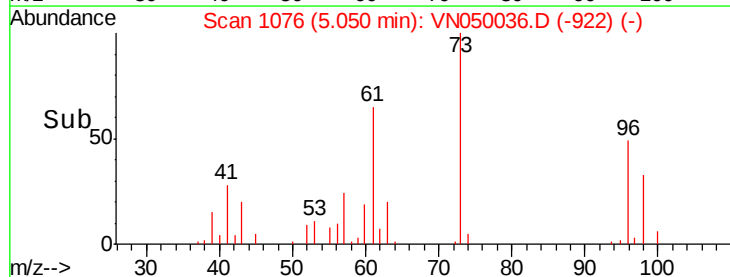
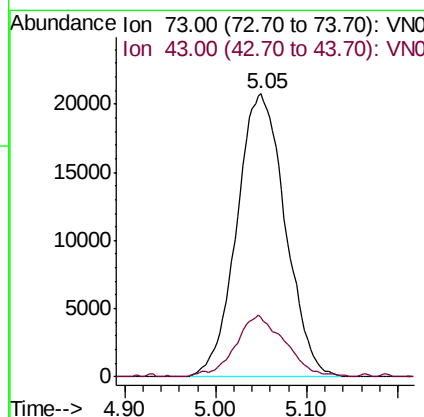
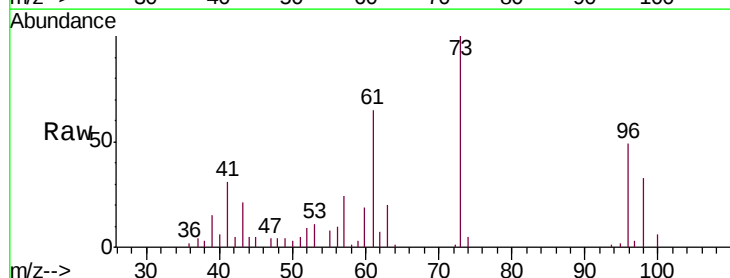
Tgt Ion: 59 Resp: 5156
 Ion Ratio Lower Upper
 59 100
 52 1.8 0.1 0.1#

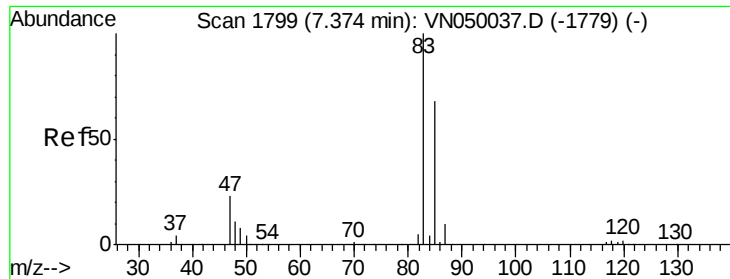


#24

Methyl tert-Butyl Ether
 Concen: 4.280 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 73 Resp: 76750
 Ion Ratio Lower Upper
 73 100
 43 20.6 15.5 23.3

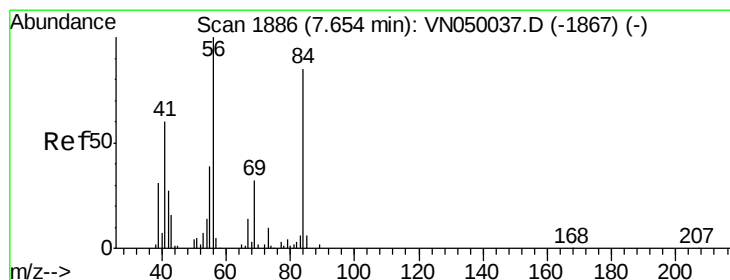
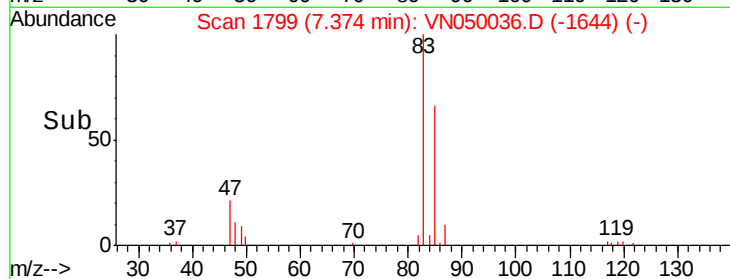
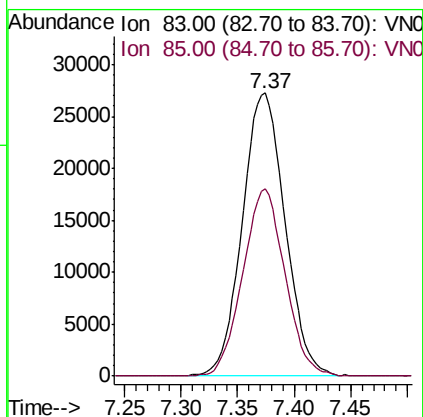
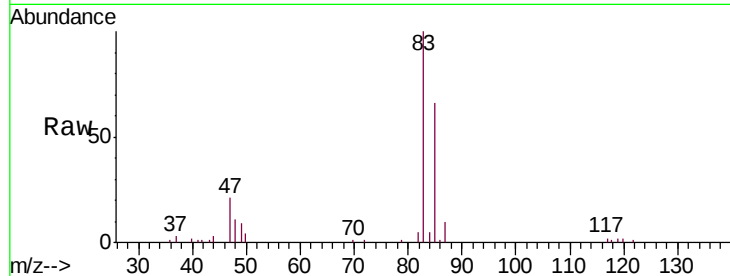




#25
Chloroform
Concen: 5.287 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

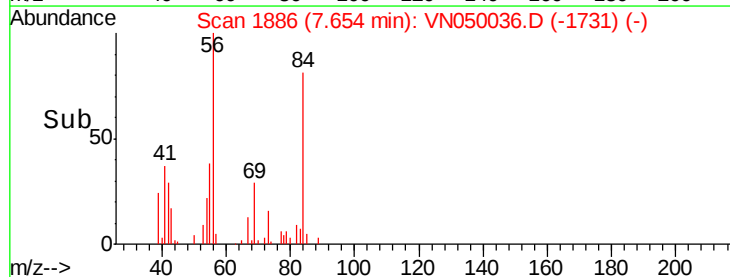
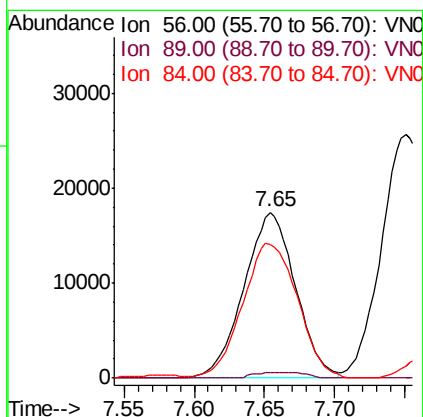
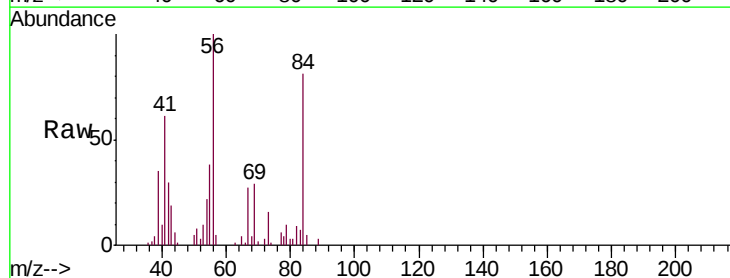
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

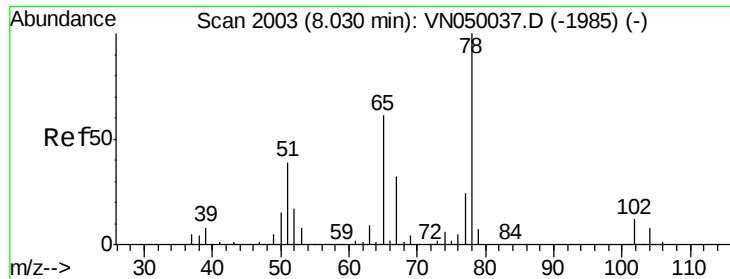
Tgt Ion: 83 Resp: 71659
Ion Ratio Lower Upper
83 100
85 66.1 52.1 78.1



#26
Cyclohexane
Concen: 4.191 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 56 Resp: 44584
Ion Ratio Lower Upper
56 100
89 0.8 3.0 4.4#
84 86.6 69.8 104.8

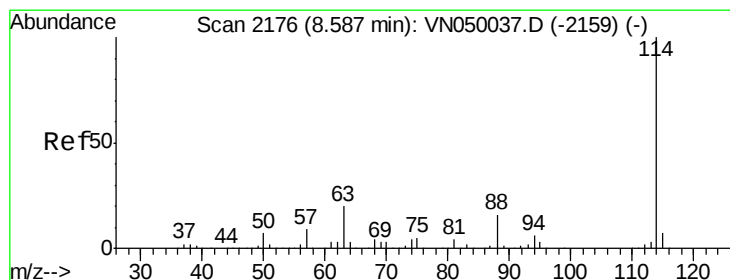
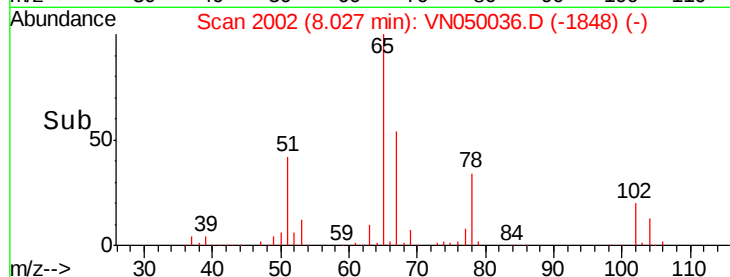
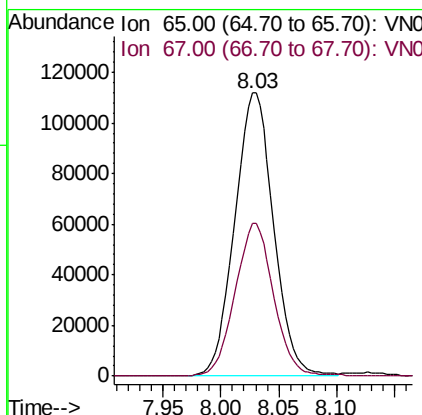
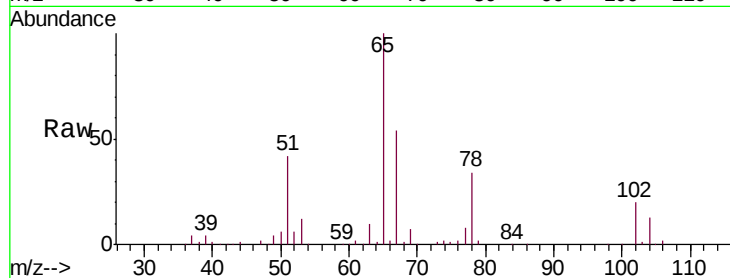




#27
 1,2-Dichloroethane-d4
 Concen: 31.064 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

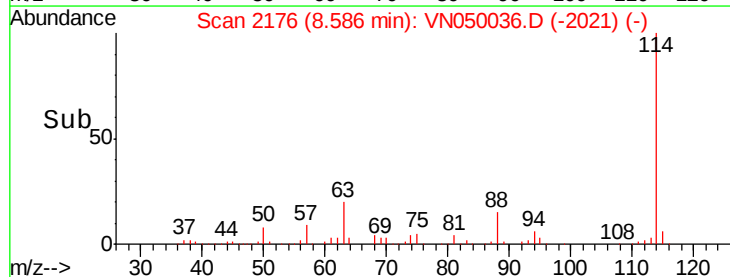
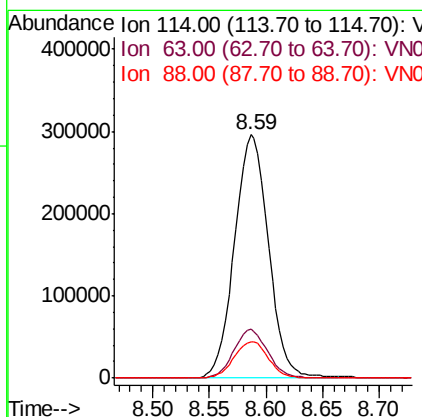
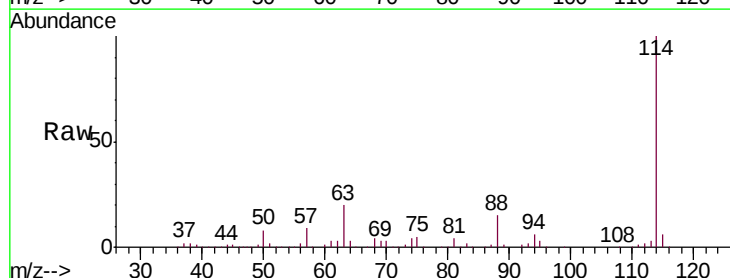
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

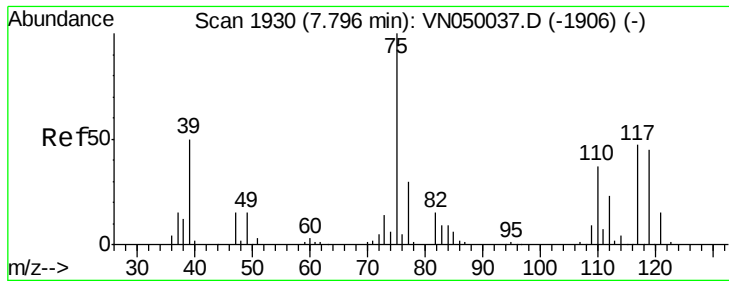
Tgt Ion: 65 Resp: 260399
 Ion Ratio Lower Upper
 65 100
 67 53.1 42.7 64.1



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 114 Resp: 620588
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.2 24.2
 88 15.2 12.3 18.5





#29

1,1-Dichloropropene

Concen: 4.645 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

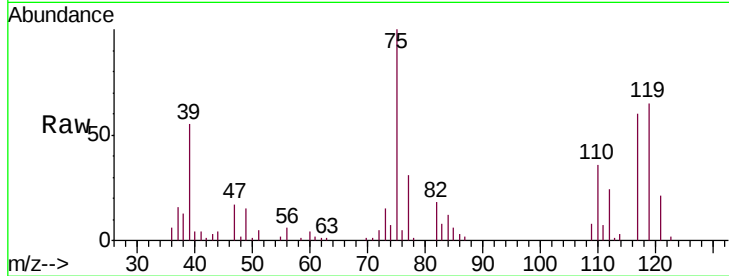
Tgt Ion: 75 Resp: 44739

Ion Ratio Lower Upper

75 100

110 37.0 0.0 73.2

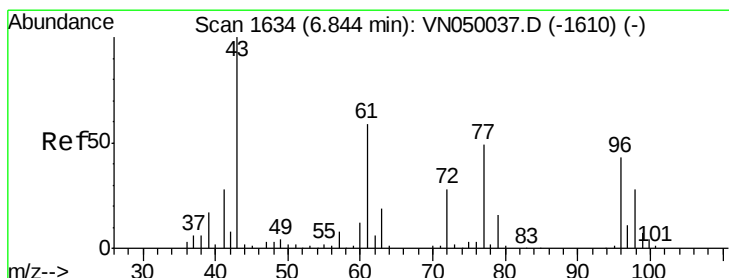
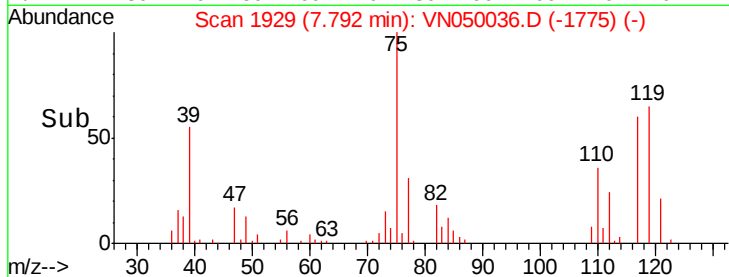
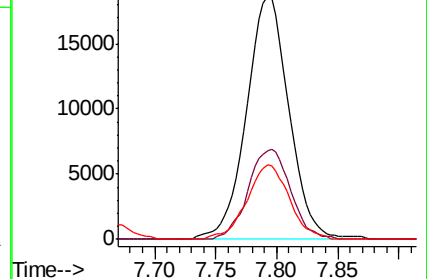
77 30.6 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-1906) (-)

Ion 110.00 (109.70 to 110.70): VN050037.D (-1906) (-)

Ion 77.00 (76.70 to 77.70): VN050037.D (-1906) (-)



#30

2-Butanone

Concen: 23.689 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

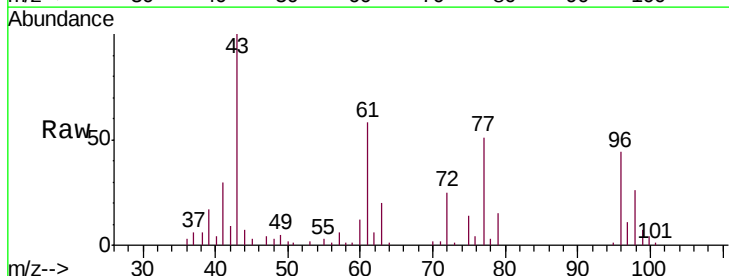
Tgt Ion: 43 Resp: 71594

Ion Ratio Lower Upper

43 100

57 3.9 6.8 10.2#

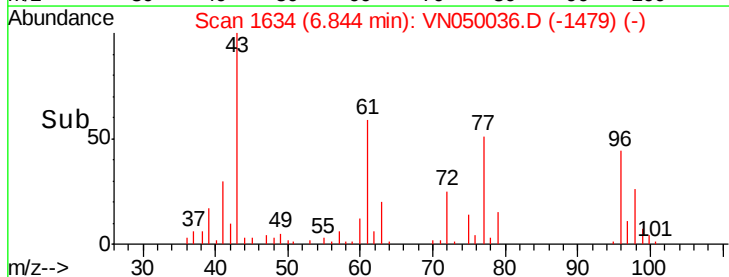
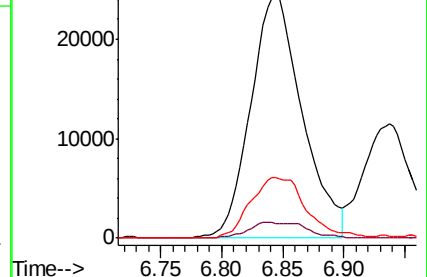
72 26.3 21.4 32.0

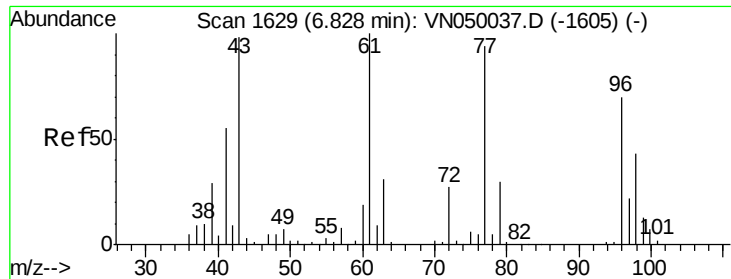


Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1610) (-)

Ion 57.00 (56.70 to 57.70): VN050037.D (-1610) (-)

Ion 72.00 (71.70 to 72.70): VN050037.D (-1610) (-)

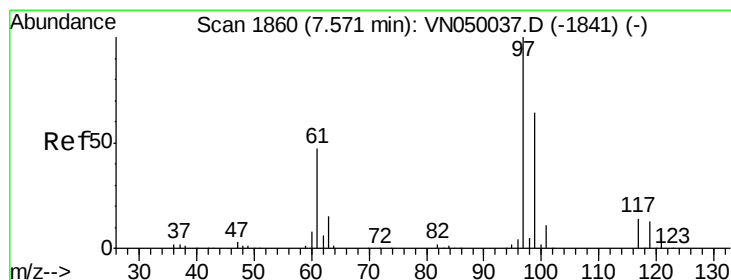
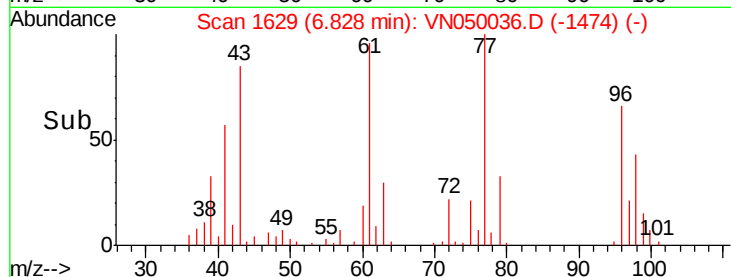
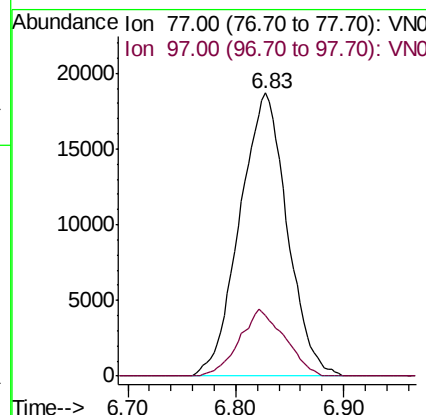
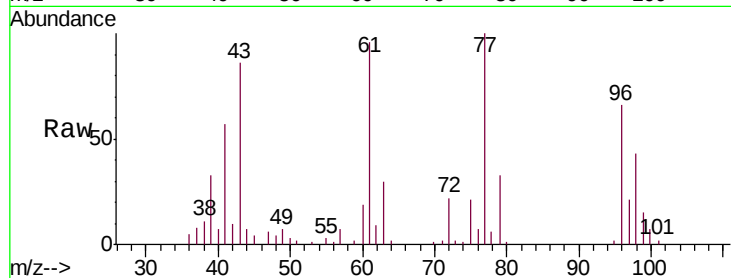




#31
 2,2-Dichloropropane
 Concen: 5.360 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

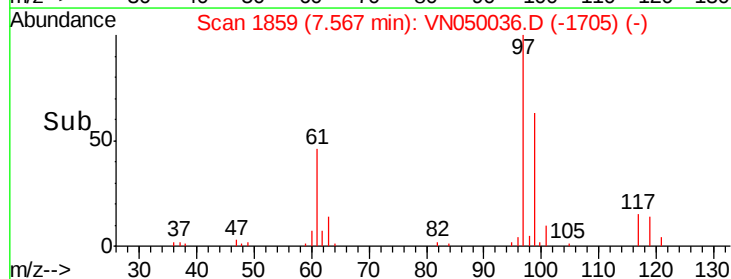
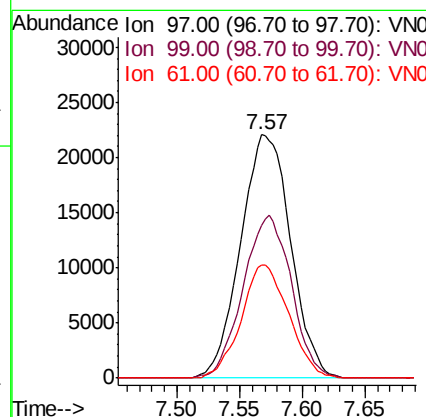
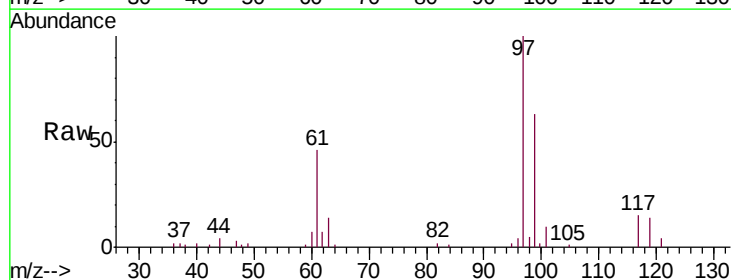
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

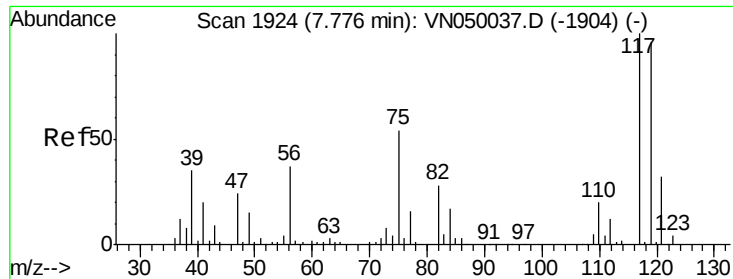
Tgt Ion: 77 Resp: 57060
 Ion Ratio Lower Upper
 77 100
 97 22.5 18.9 28.3



#32
 1,1,1-Trichloroethane
 Concen: 5.407 ug/l
 RT: 7.57 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 97 Resp: 61300
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.2 76.8
 61 44.1 35.3 52.9

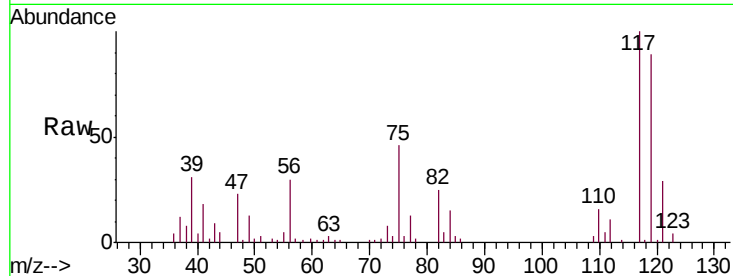




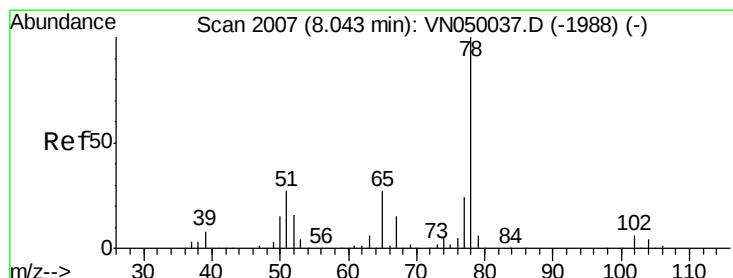
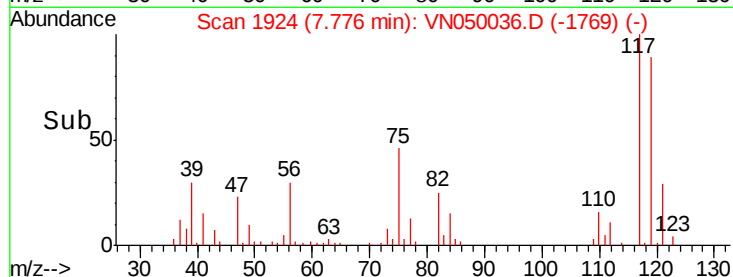
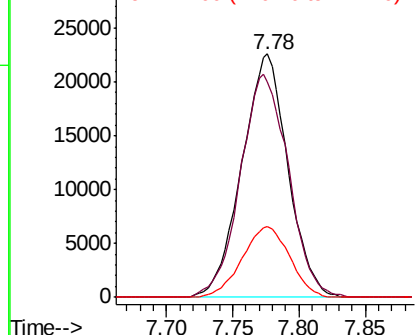
#33
Carbon Tetrachloride
Concen: 5.394 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 117 Resp: 54511
Ion Ratio Lower Upper
117 100
119 88.6 76.9 115.3
121 28.9 24.4 36.6

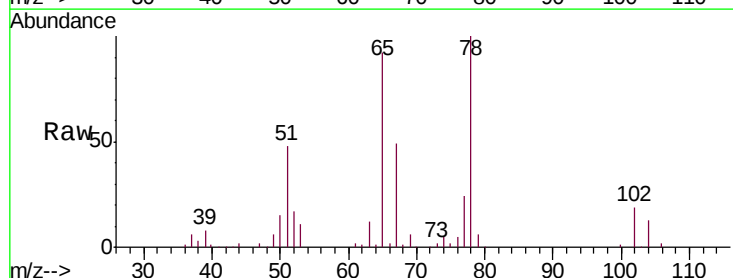


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

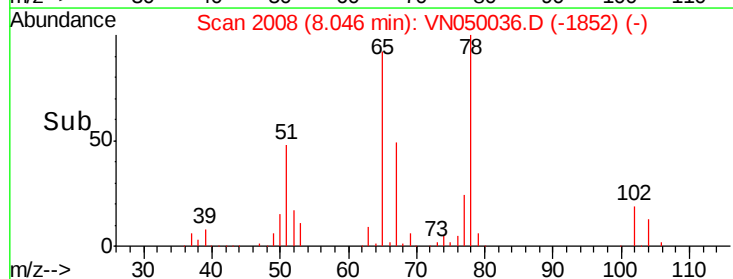
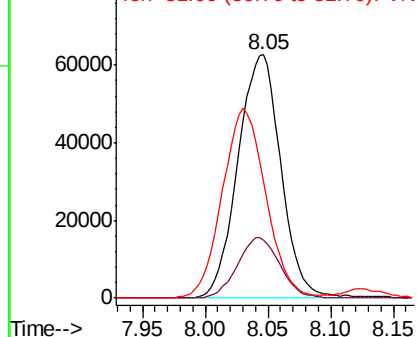


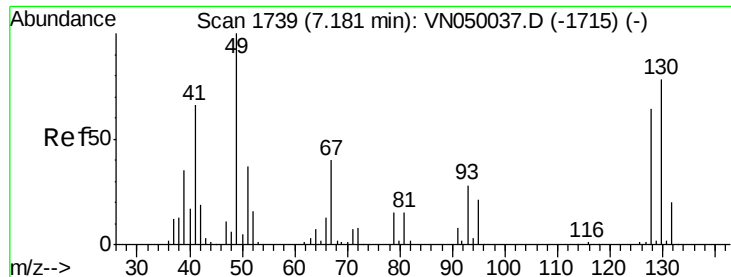
#34
Benzene
Concen: 5.091 ug/l
RT: 8.05 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 78 Resp: 148914
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7
51 46.3 21.0 31.4#



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

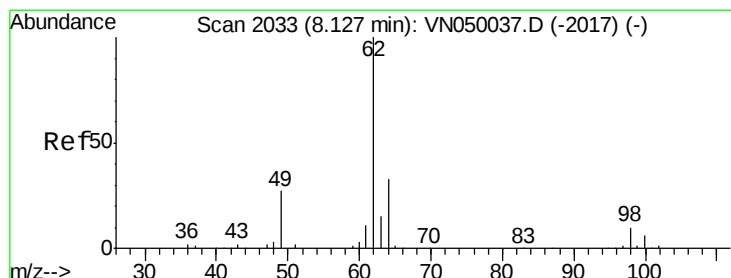
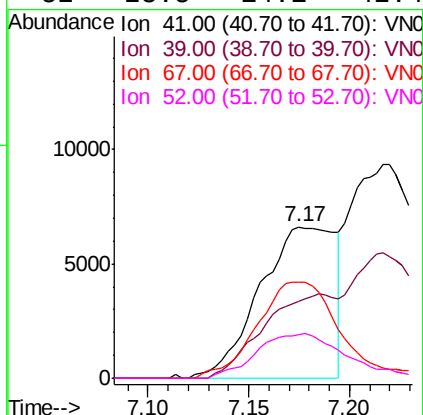
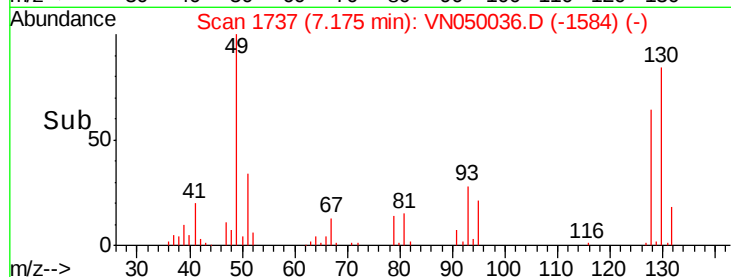
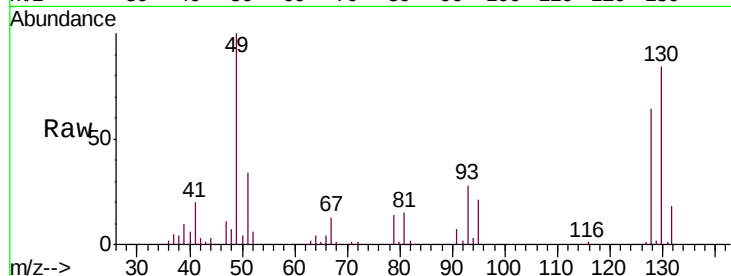




#35
Methacrylonitrile
Concen: 4.995 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

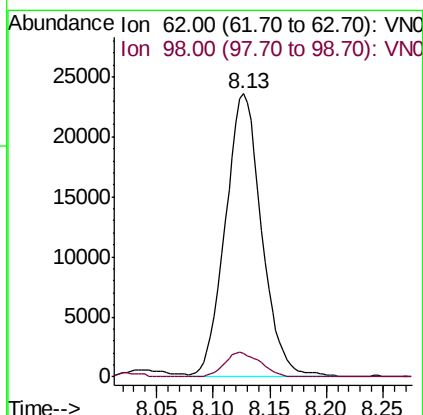
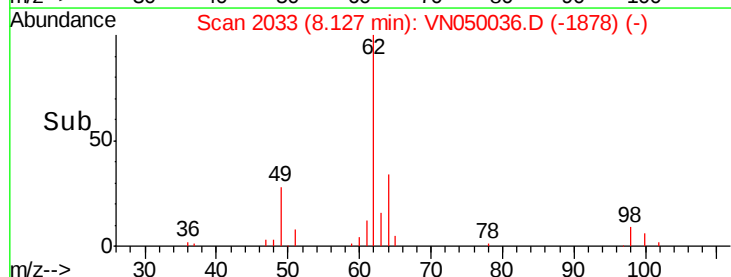
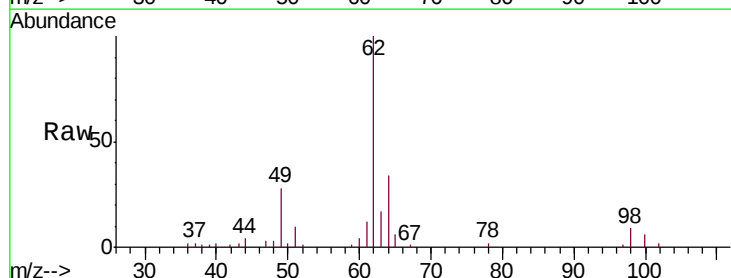
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

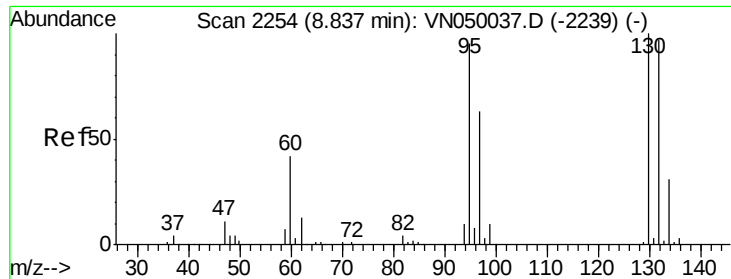
Tgt Ion: 41 Resp: 17188
Ion Ratio Lower Upper
41 100
39 50.9 27.6 82.7
67 63.5 35.1 105.5
52 28.5 14.1 42.4



#36
1,2-Dichloroethane
Concen: 5.503 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 62 Resp: 52849
Ion Ratio Lower Upper
62 100
98 8.6 7.8 11.6

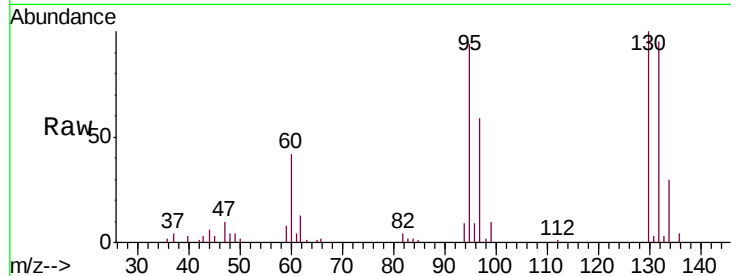




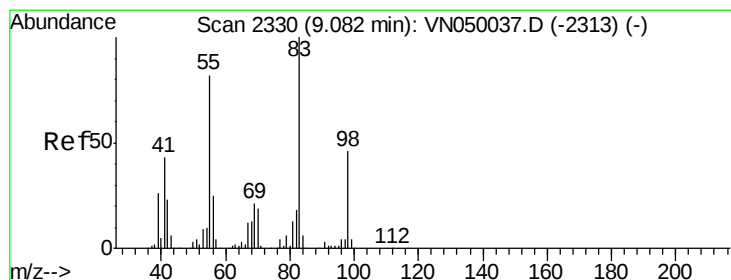
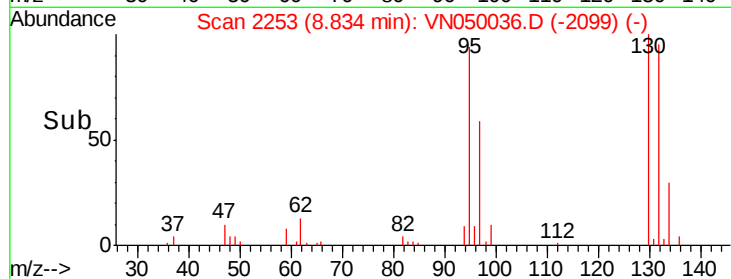
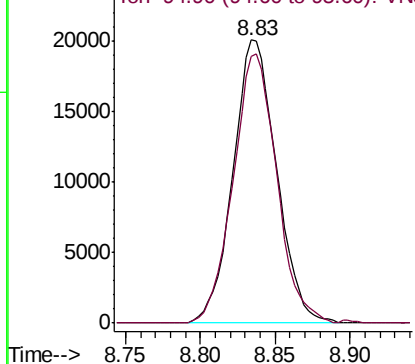
#37
 Trichloroethene
 Concen: 5.302 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 130 Resp: 40672
 Ion Ratio Lower Upper
 130 100
 95 94.2 79.7 119.5

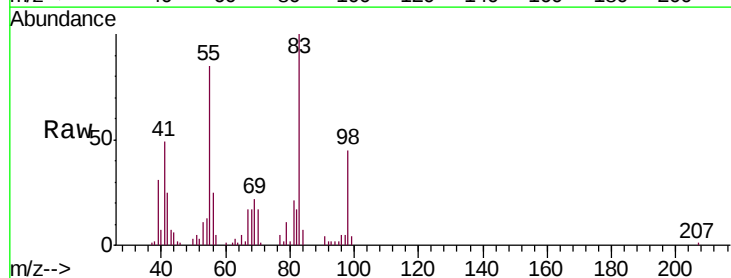


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

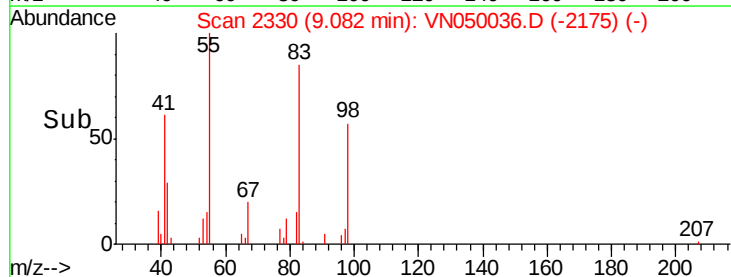
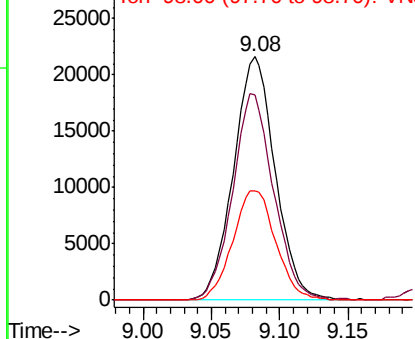


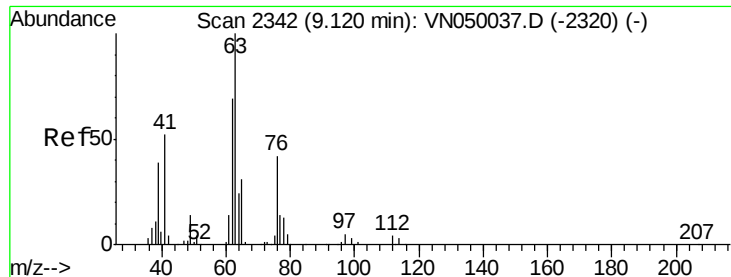
#38
 Methylcyclohexane
 Concen: 4.514 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 83 Resp: 45828
 Ion Ratio Lower Upper
 83 100
 55 83.3 39.3 117.8
 98 46.1 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 5.202 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

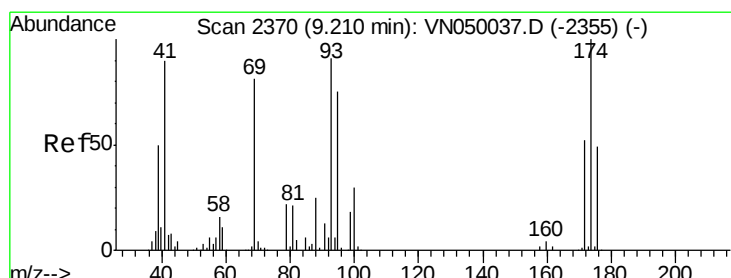
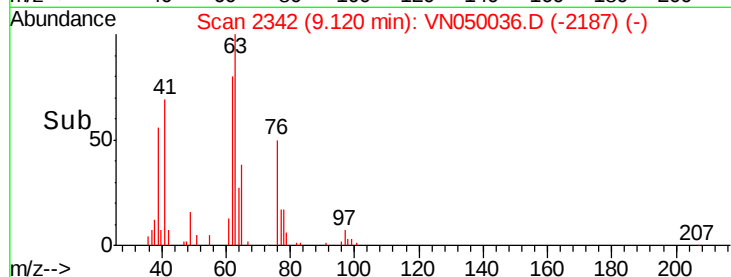
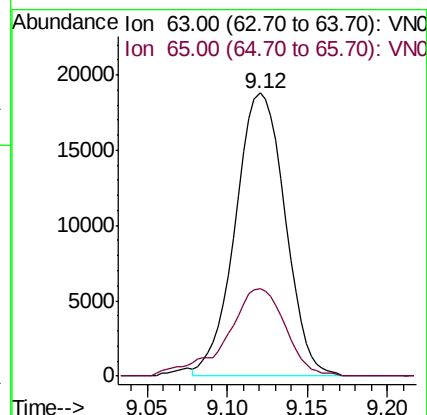
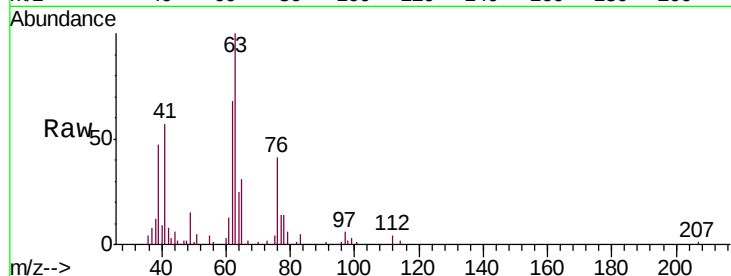
VSTDIC005

Tgt Ion: 63 Resp: 40083

Ion Ratio Lower Upper

63 100

65 30.9 24.2 36.2



#40

Dibromomethane

Concen: 5.275 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

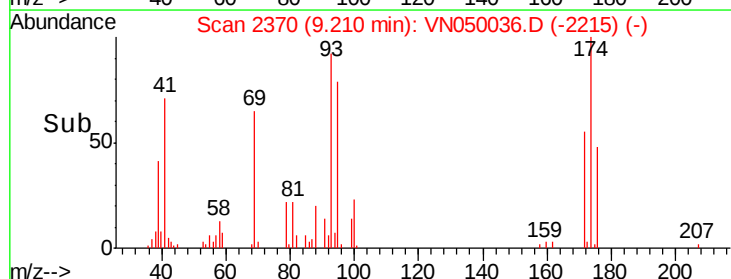
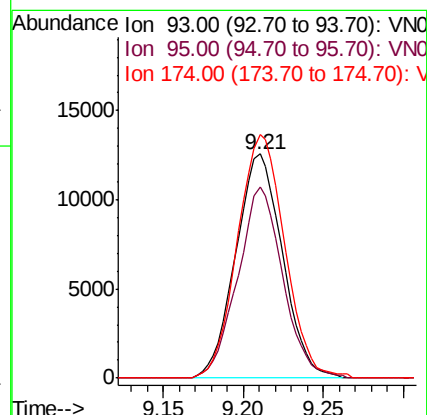
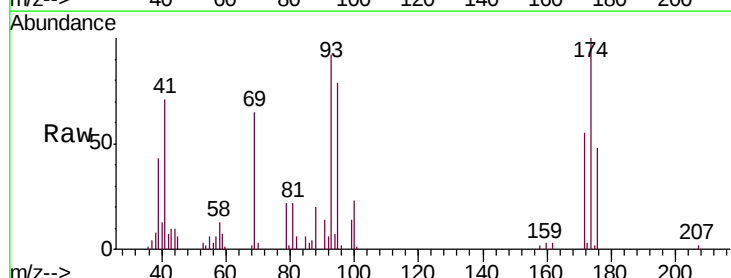
Tgt Ion: 93 Resp: 25121

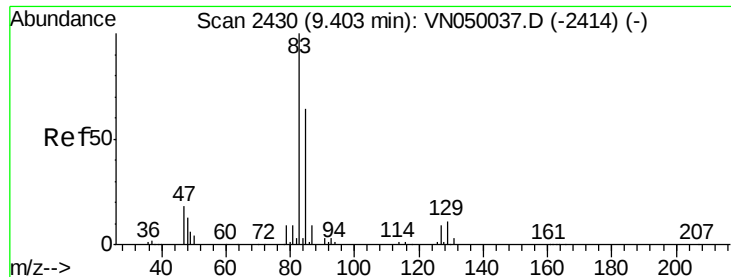
Ion Ratio Lower Upper

93 100

95 82.0 0.0 165.6

174 109.8 0.0 223.2





#41

Bromodichloromethane

Concen: 5.280 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

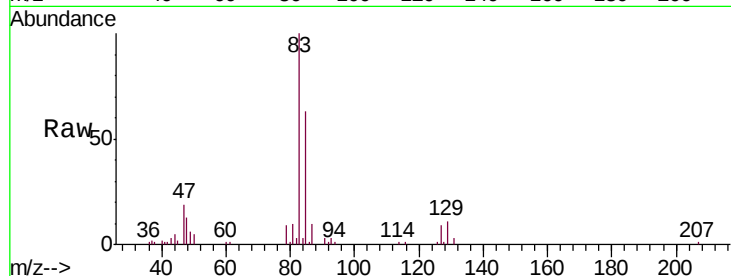
Tgt Ion: 83 Resp: 53036

Ion Ratio Lower Upper

83 100

85 63.4 52.6 78.8

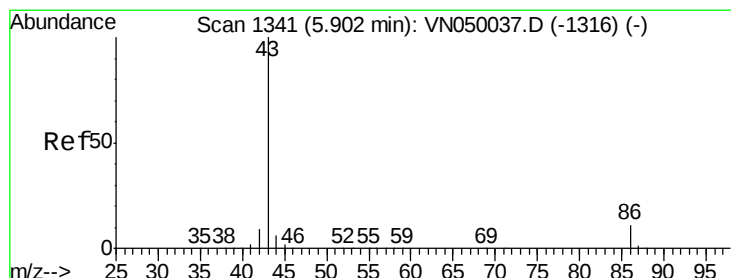
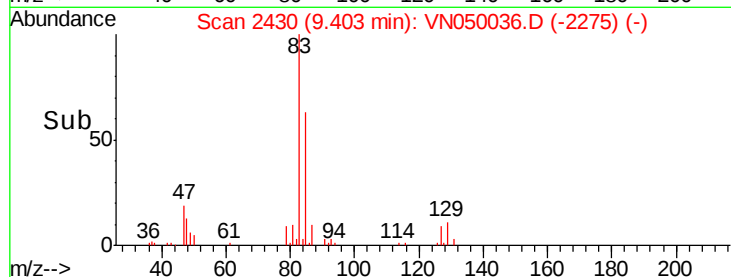
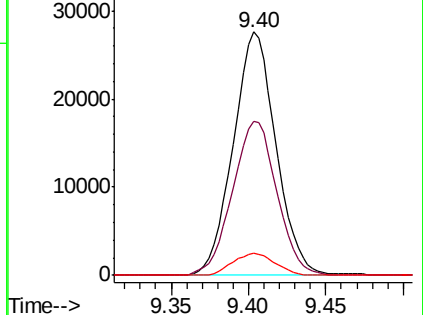
127 9.0 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN050036.D (-2275) (-)

Ion 85.00 (84.70 to 85.70): VN050036.D (-2275) (-)

Ion 127.00 (126.70 to 127.70): VN050036.D (-2275) (-)



#42

Vinyl Acetate

Concen: 21.049 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VN050036.D

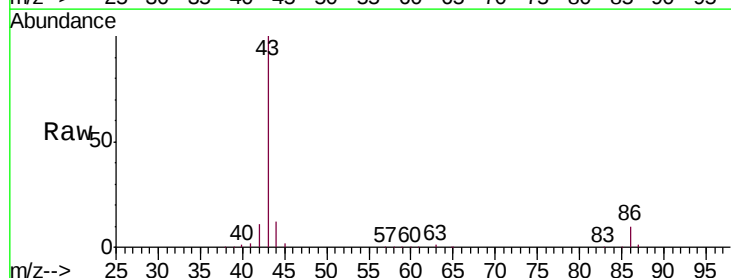
Acq: 25 Jul 2018 8:29

Tgt Ion: 43 Resp: 299354

Ion Ratio Lower Upper

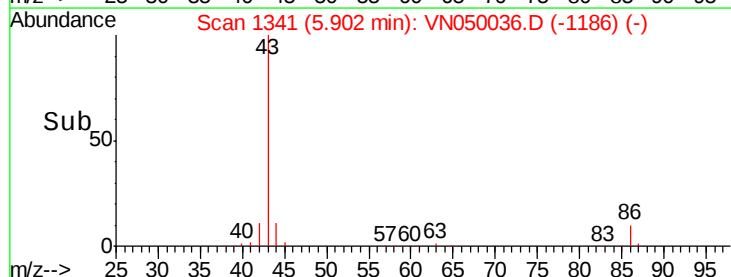
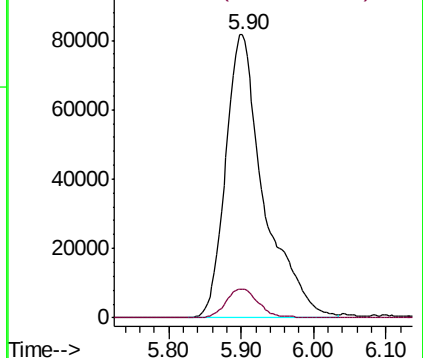
43 100

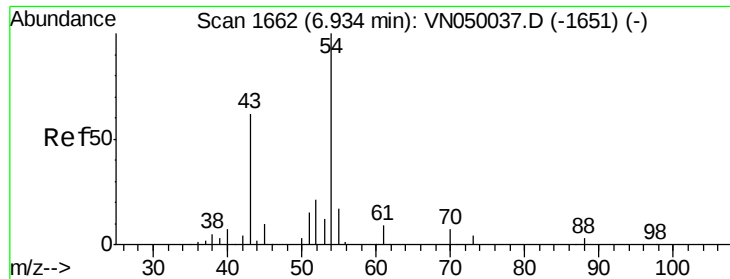
86 8.6 7.3 10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050036.D (-1186) (-)

Ion 86.00 (85.70 to 86.70): VN050036.D (-1186) (-)





#43

Ethyl Acetate

Concen: 4.435 ug/l

RT: 6.94 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

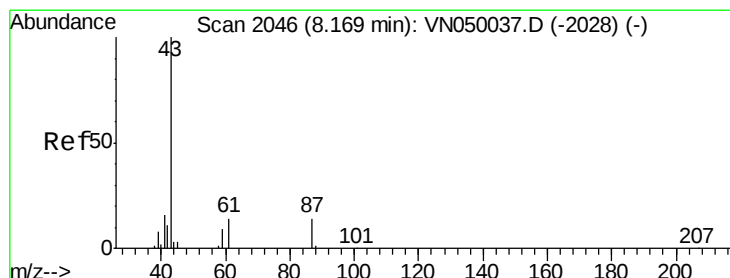
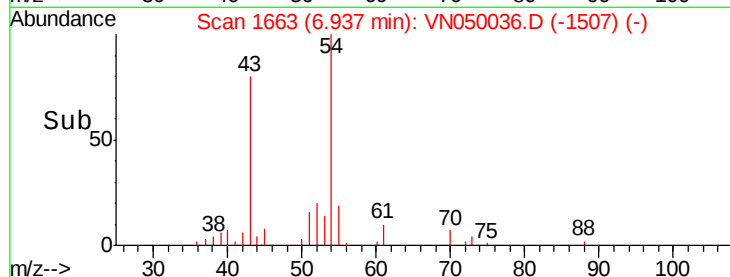
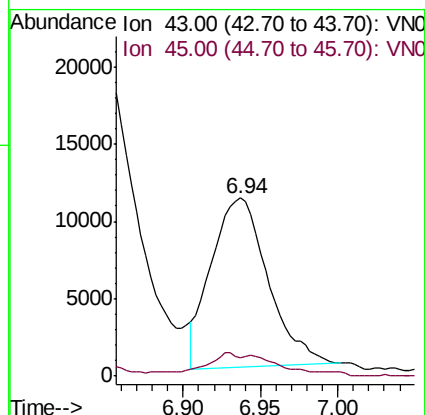
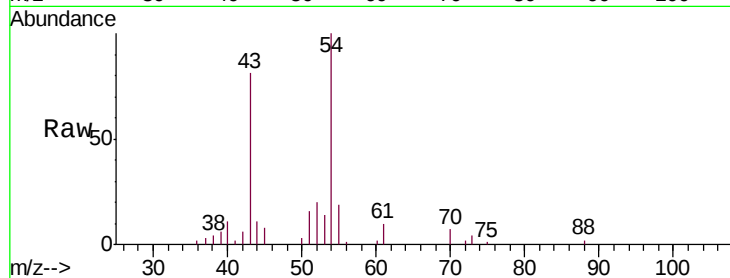
VSTDIC005

Tgt Ion: 43 Resp: 27986

Ion Ratio Lower Upper

43 100

45 4.0 13.0 19.6#



#44

Isopropyl Acetate

Concen: 4.767 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050036.D

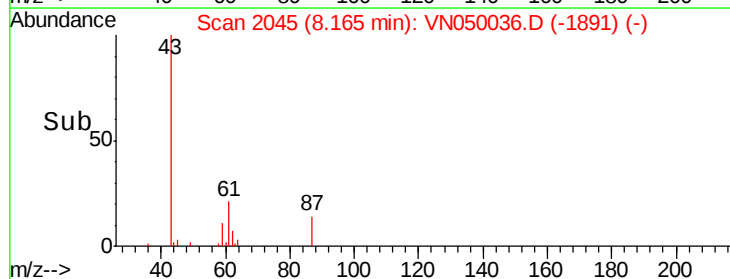
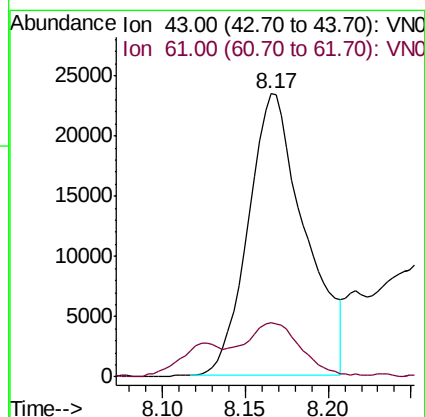
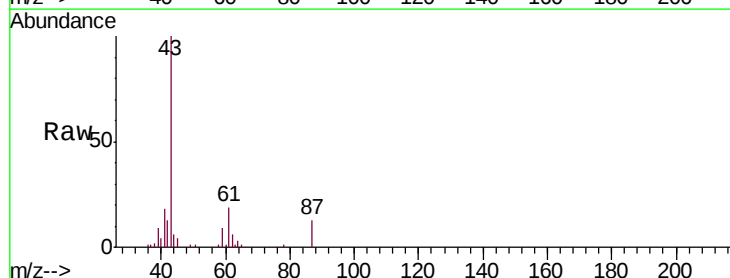
Acq: 25 Jul 2018 8:29

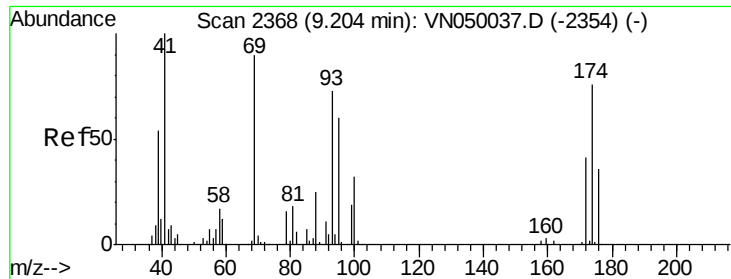
Tgt Ion: 43 Resp: 55728

Ion Ratio Lower Upper

43 100

61 16.3 16.4 24.6#

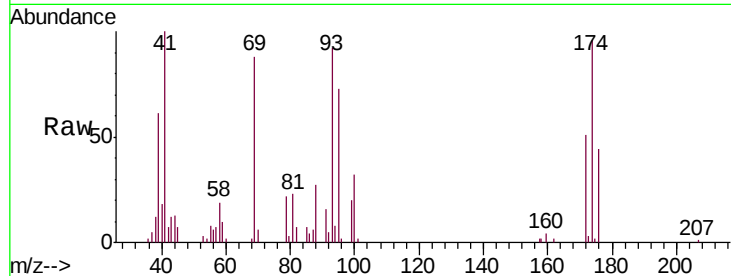




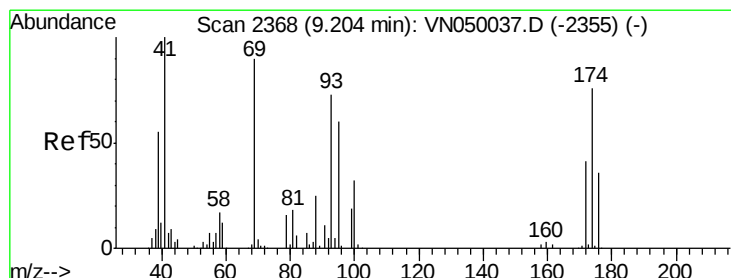
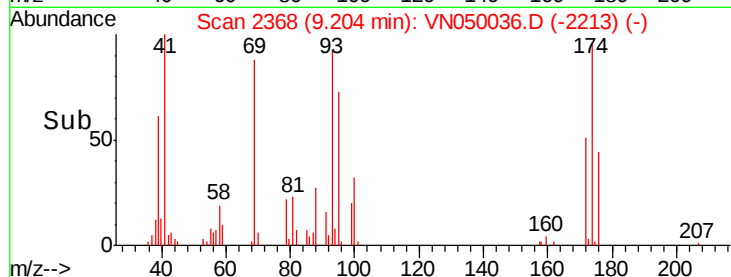
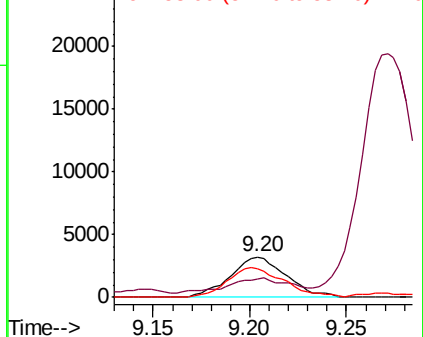
#45
1,4-Dioxane
Concen: 83.401 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion: 88 Resp: 6416
Ion Ratio Lower Upper
88 100
43 32.8 26.9 40.3
58 76.2 53.6 80.4

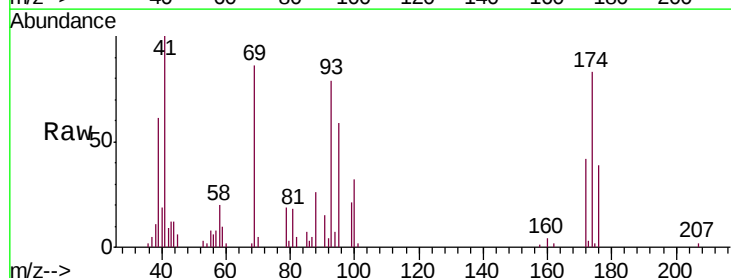


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

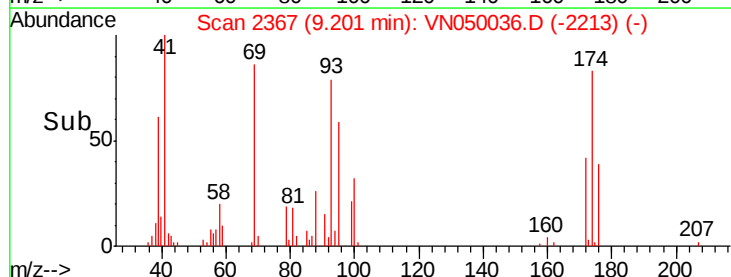
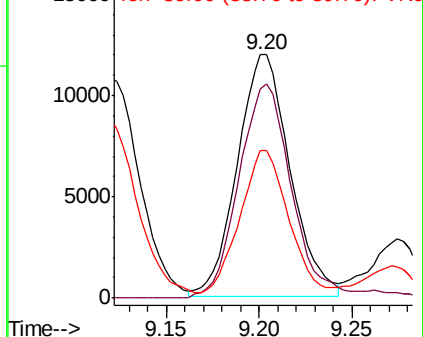


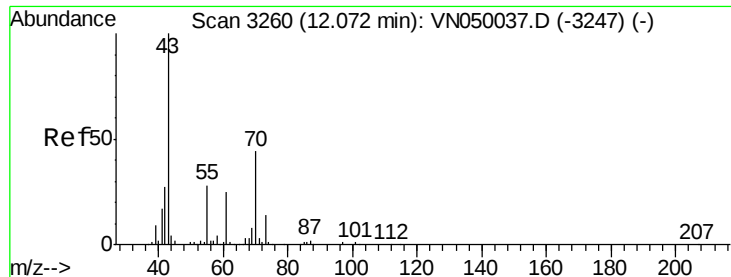
#46
Methyl methacrylate
Concen: 4.179 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 41 Resp: 23683
Ion Ratio Lower Upper
41 100
69 88.5 44.0 132.1
39 59.2 27.0 80.8



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

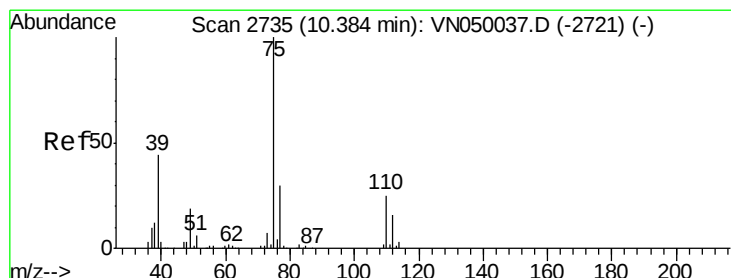
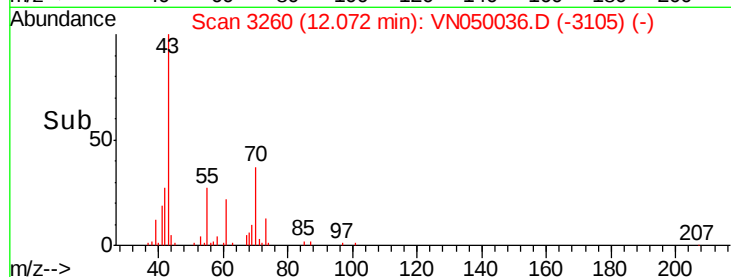
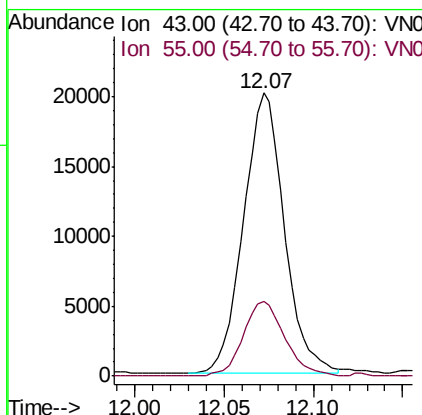
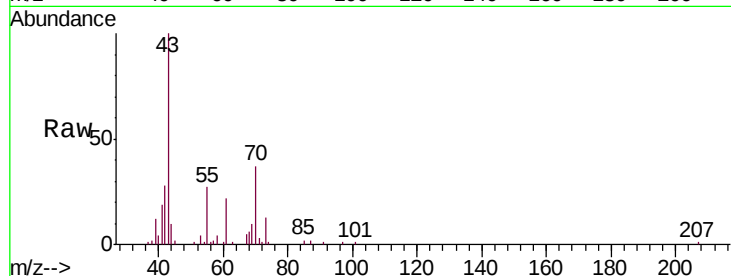




#47
n-amyl Acetate
Concen: 3.524 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

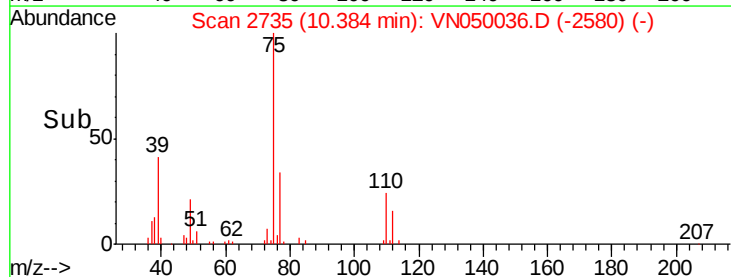
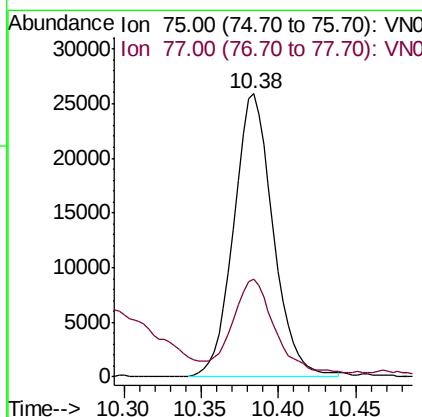
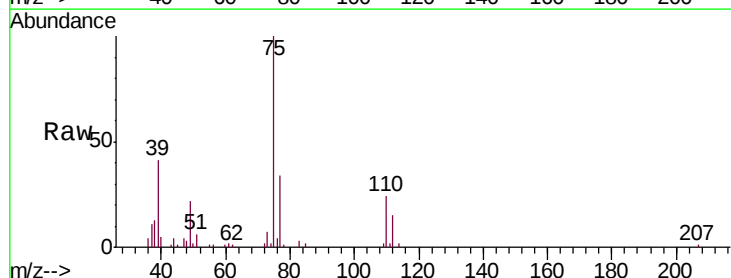
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

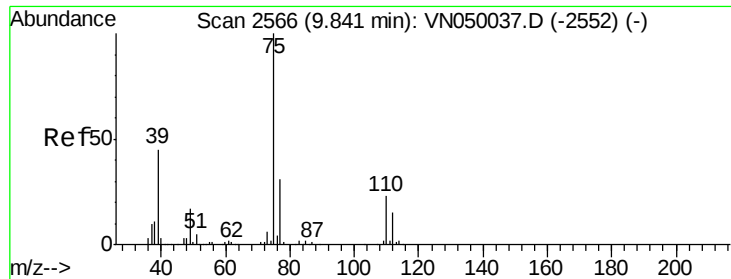
Tgt Ion: 43 Resp: 32056
Ion Ratio Lower Upper
43 100
55 27.2 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 4.599 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 75 Resp: 45799
Ion Ratio Lower Upper
75 100
77 32.5 24.6 37.0

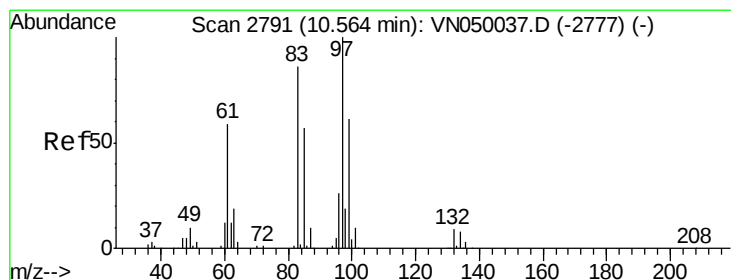
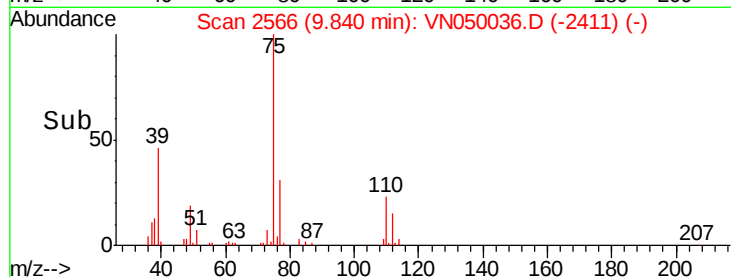
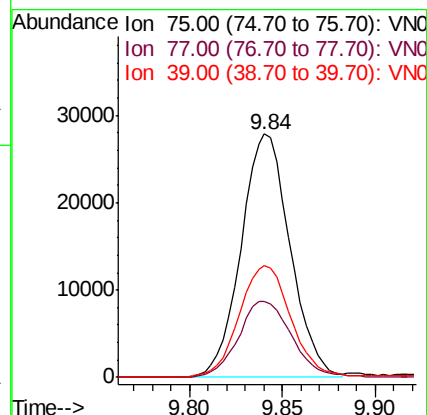
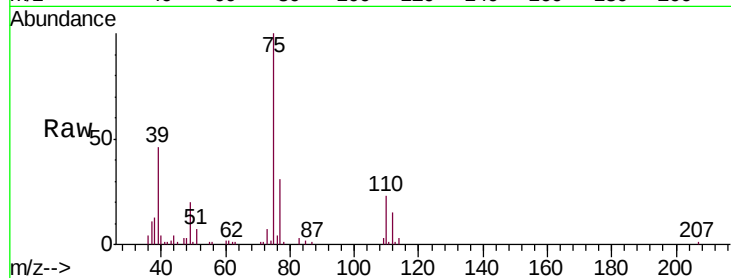




#49
 cis-1,3-Dichloropropene
 Concen: 4.533 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

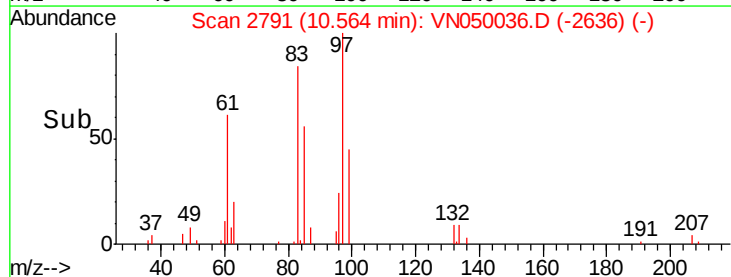
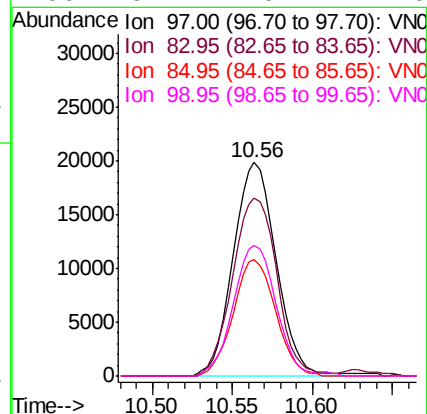
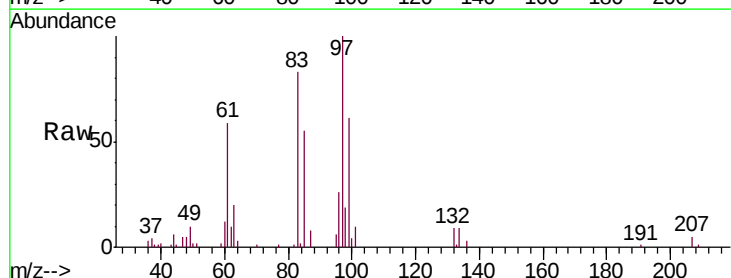
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

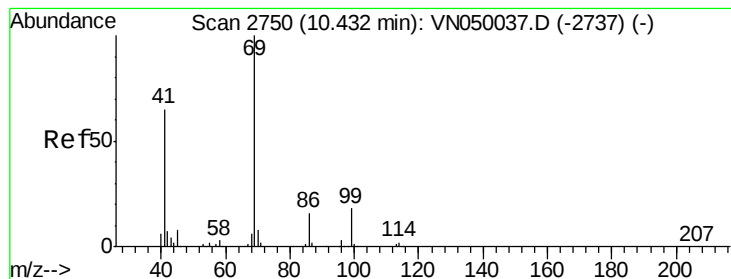
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.7	38.5
39	45.2	36.3	54.5



#50
 1,1,2-Trichloroethane
 Concen: 5.310 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.4	68.1	102.1
85	54.5	45.4	68.2
99	61.1	49.4	74.0





#51

Ethyl methacrylate

Concen: 4.043 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

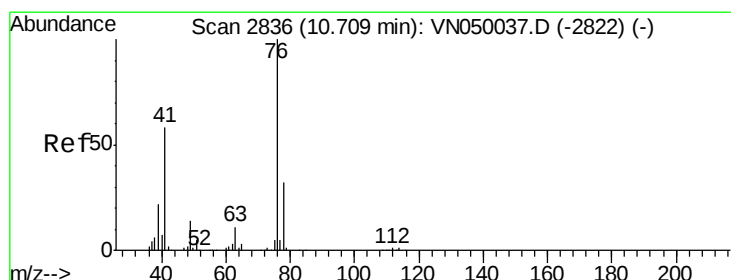
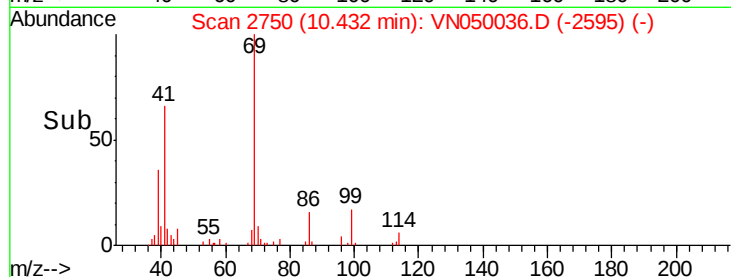
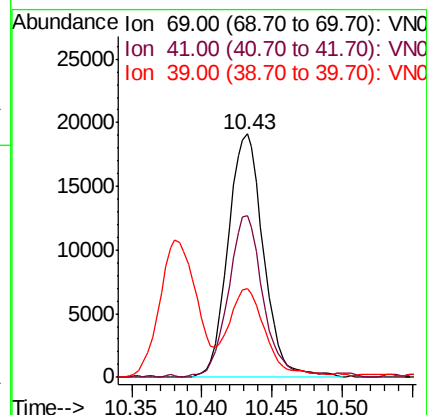
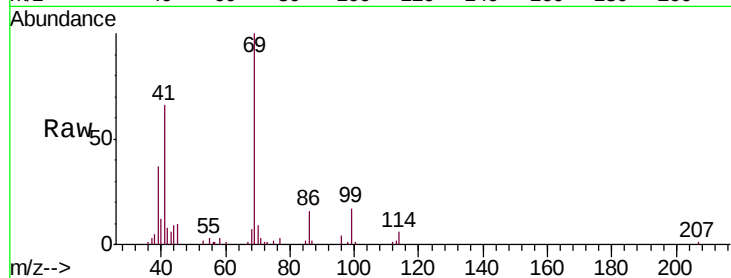
Tgt Ion: 69 Resp: 33544

Ion Ratio Lower Upper

69 100

41 65.4 31.9 95.9

39 35.2 16.7 50.1



#52

1,3-Dichloropropane

Concen: 5.002 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050036.D

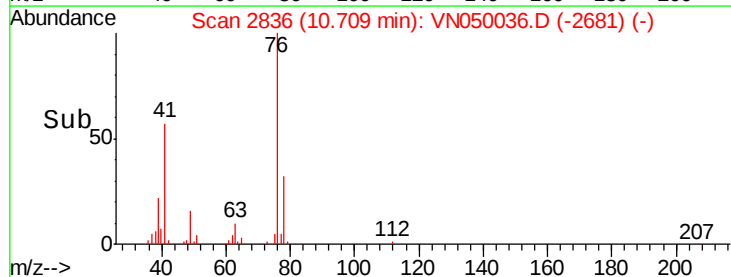
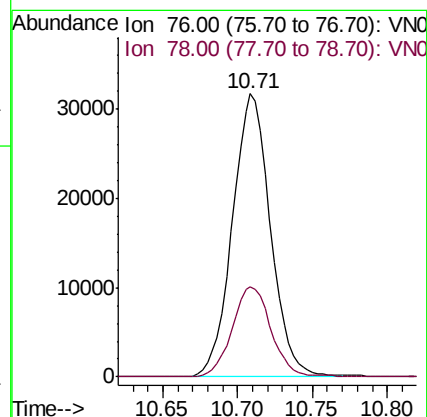
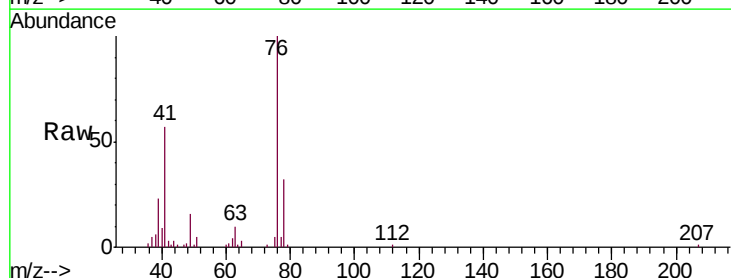
Acq: 25 Jul 2018 8:29

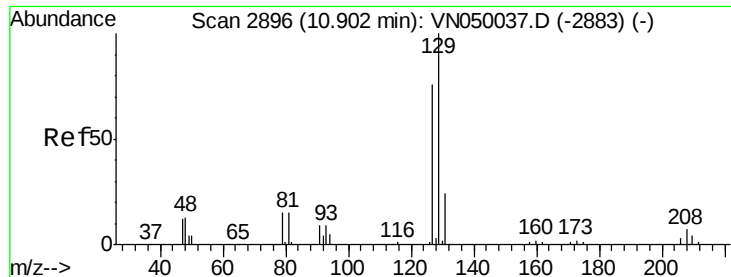
Tgt Ion: 76 Resp: 56143

Ion Ratio Lower Upper

76 100

78 32.8 0.0 65.6





#53

Dibromochloromethane

Concen: 5.080 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

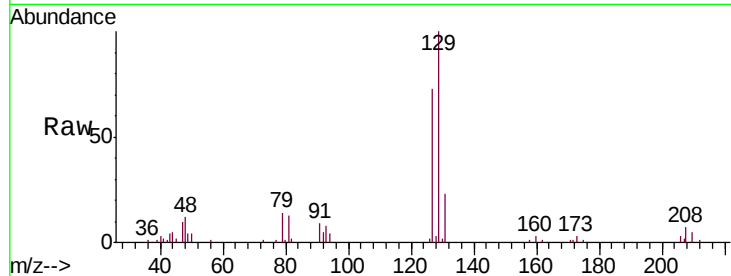
VSTDIC005

Tgt Ion:129 Resp: 39410

Ion Ratio Lower Upper

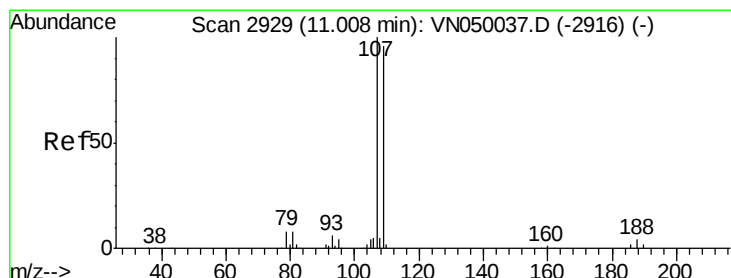
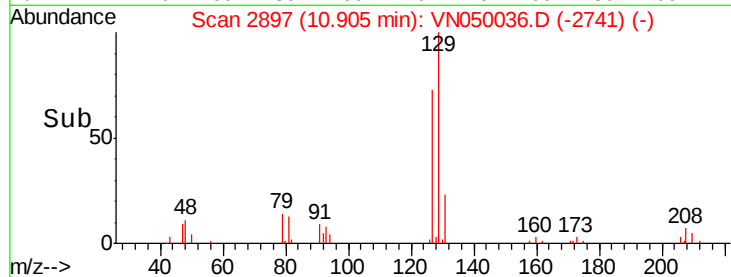
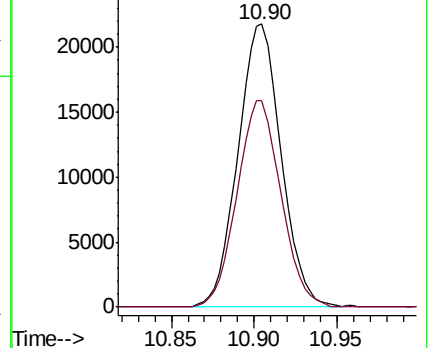
129 100

127 74.2 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.865 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050036.D

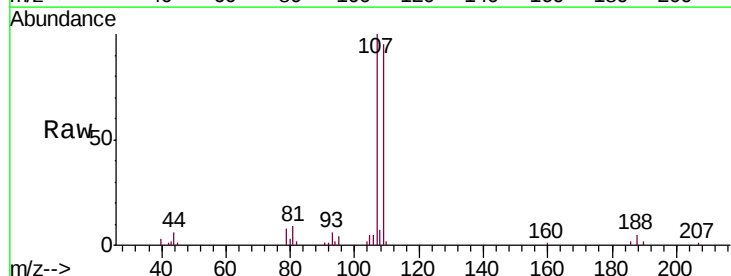
Acq: 25 Jul 2018 8:29

Tgt Ion:107 Resp: 32570

Ion Ratio Lower Upper

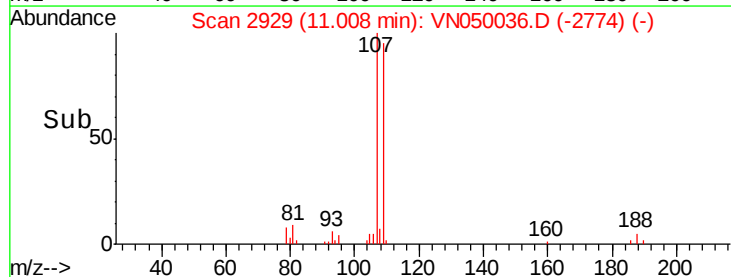
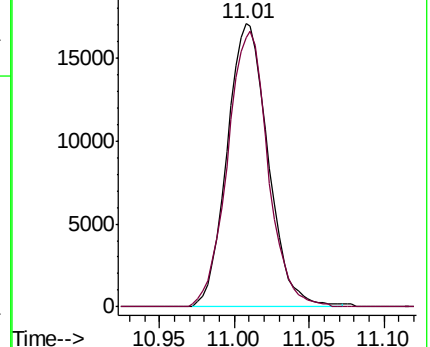
107 100

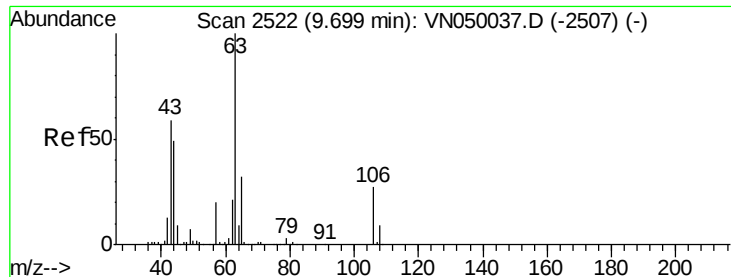
109 95.8 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

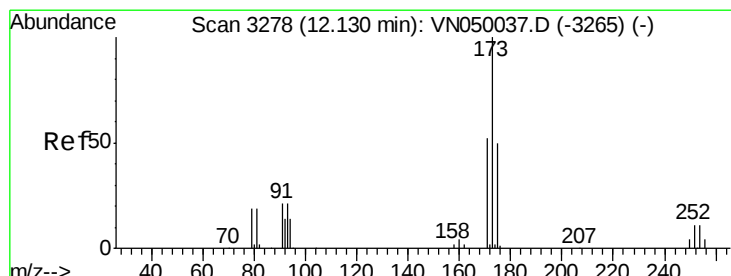
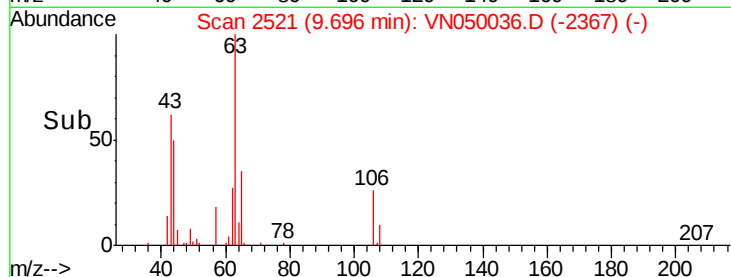
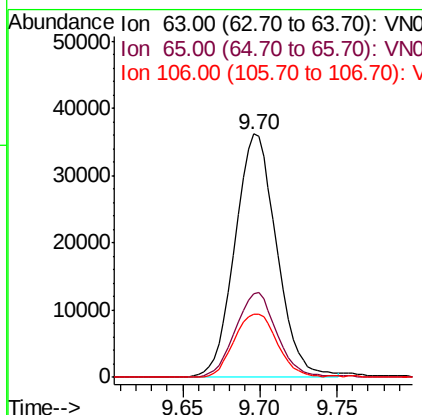
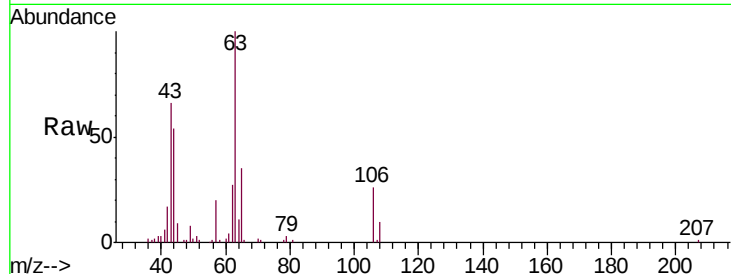




#55
 2-Chloroethyl vinyl ether
 Concen: 18.104 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

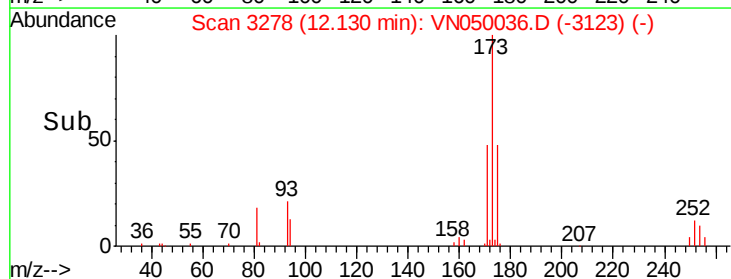
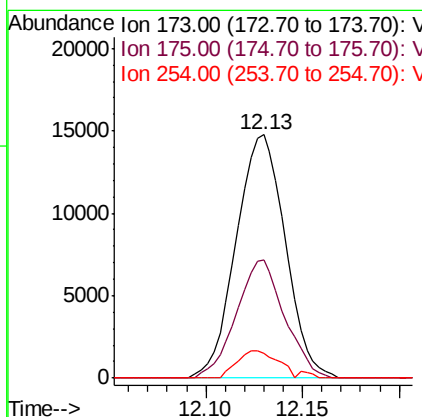
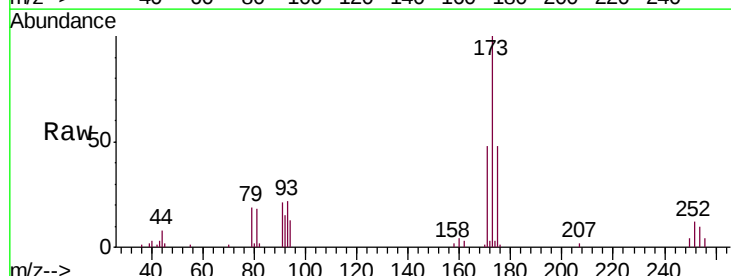
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

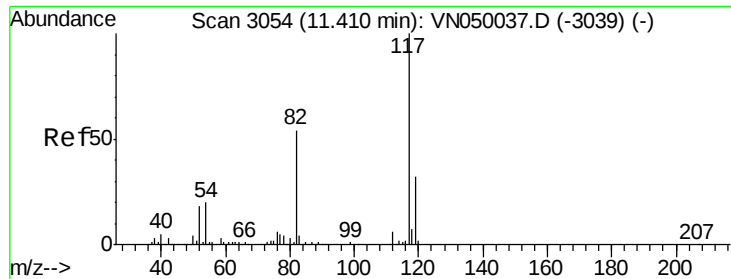
Tgt Ion: 63 Resp: 67981
 Ion Ratio Lower Upper
 63 100
 65 34.5 25.5 38.3
 106 26.9 21.8 32.6



#56
 Bromoform
 Concen: 4.761 ug/l
 RT: 12.13 min Scan# 3278
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 173 Resp: 26078
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.6 57.8
 254 9.2 8.8 13.2

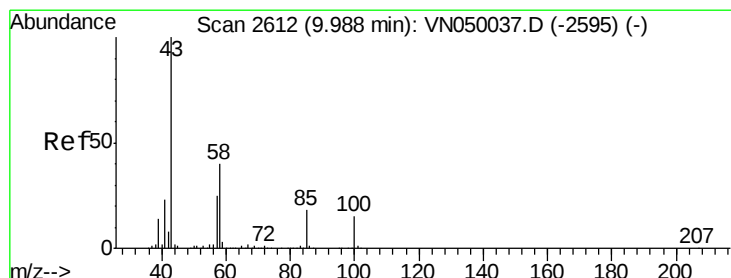
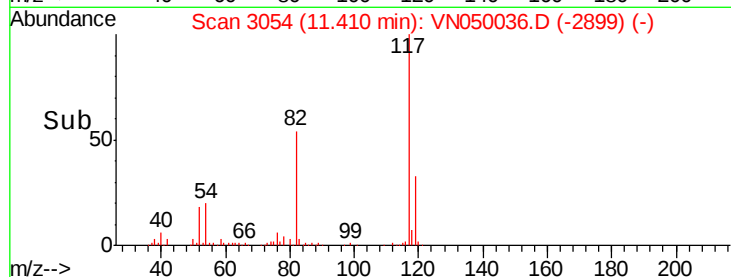
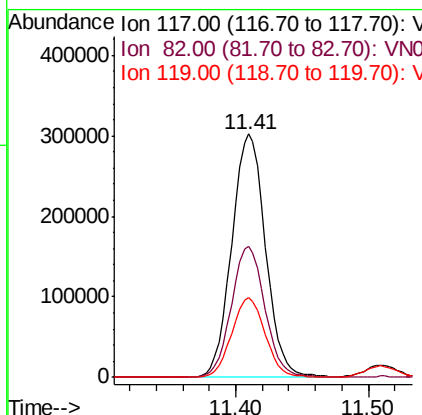
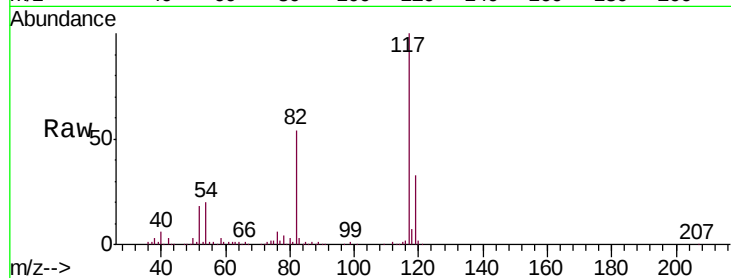




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

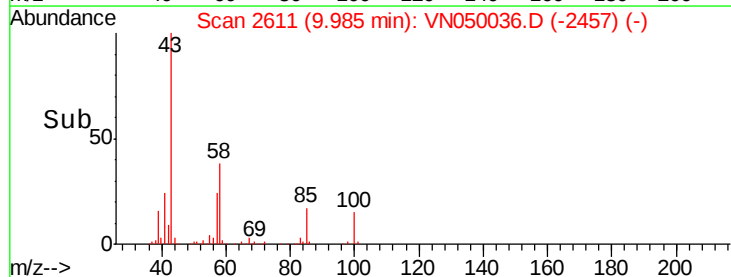
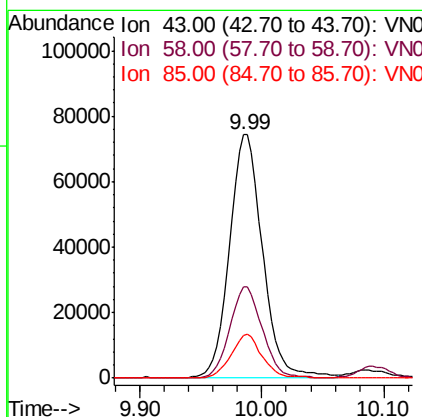
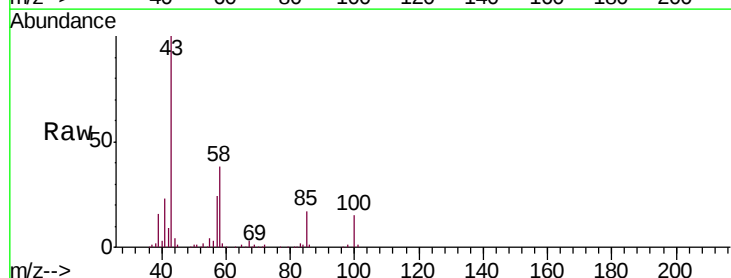
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

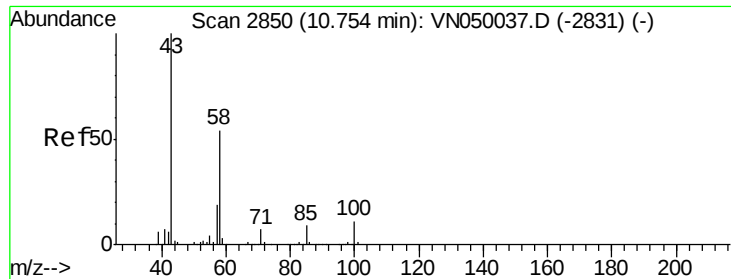
Tgt Ion: 117 Resp: 535471
Ion Ratio Lower Upper
117 100
82 53.6 42.4 63.6
119 32.5 25.4 38.0



#58
4-Methyl-2-Pentanone
Concen: 22.290 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 43 Resp: 138885
Ion Ratio Lower Upper
43 100
58 37.4 31.2 46.8
85 16.8 14.4 21.6

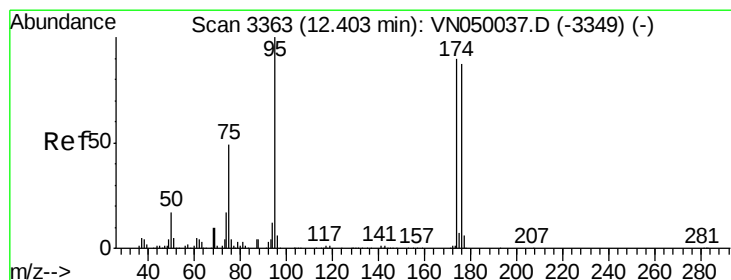
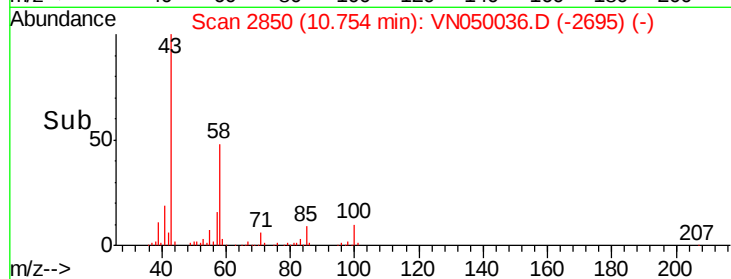
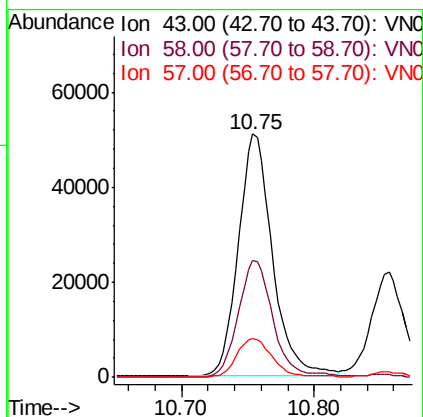
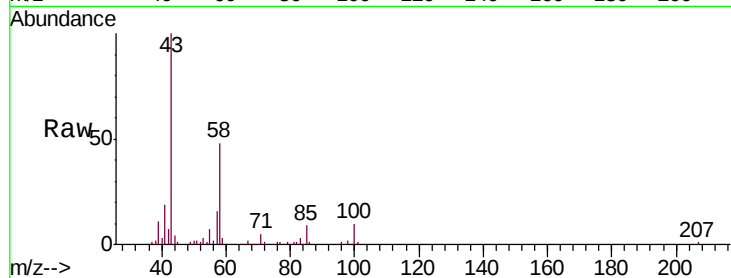




#59
2-Hexanone
Concen: 21.405 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

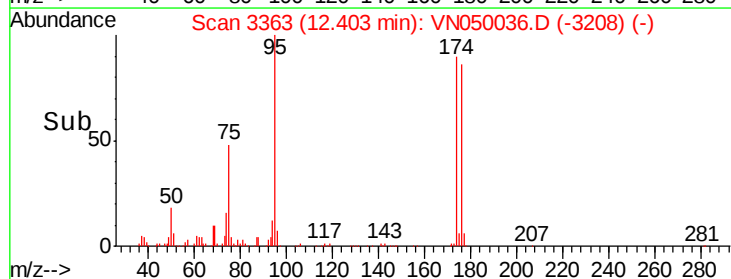
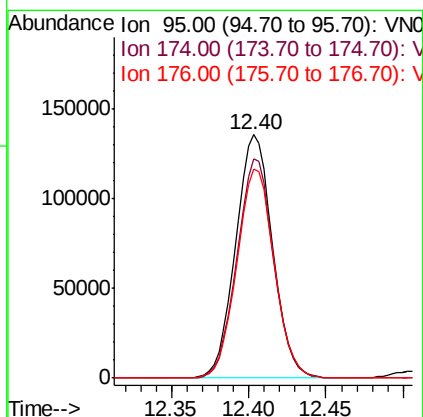
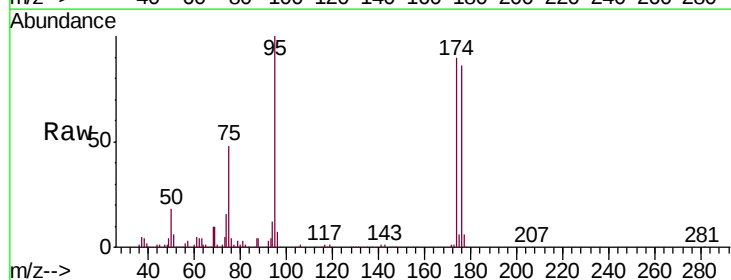
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

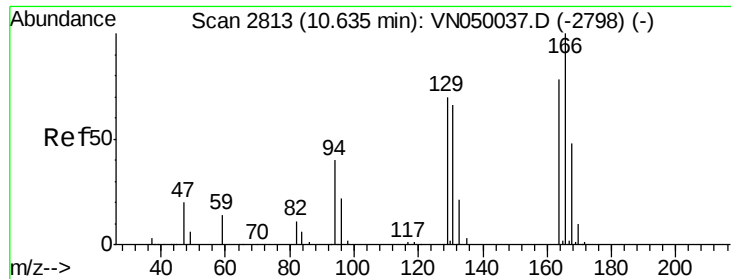
Tgt Ion	Ratio	Lower	Upper
43	100		
58	49.5	43.8	65.8
57	16.9	15.1	22.7



#60
4-Bromofluorobenzene
Concen: 27.310 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	72.3	108.5
176	87.0	70.0	105.0

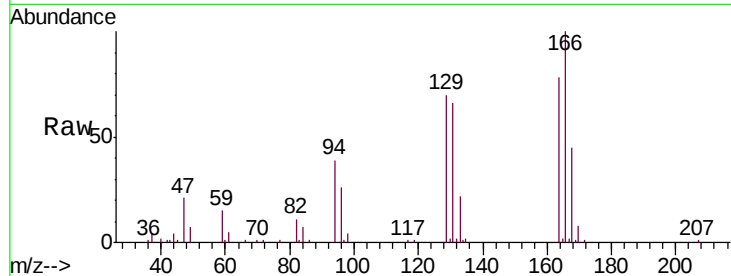




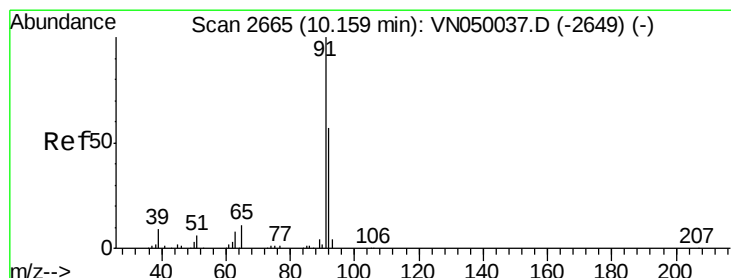
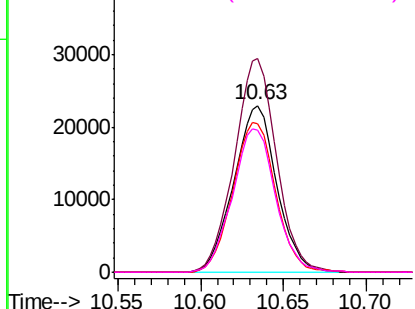
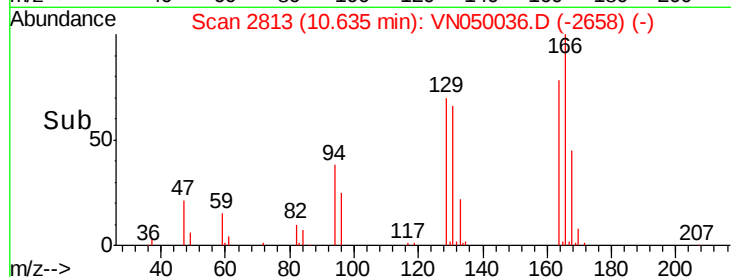
#61
Tetrachloroethene
Concen: 5.685 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:164 Resp: 41233
Ion Ratio Lower Upper
164 100
166 128.1 100.0 150.0
129 89.4 69.3 103.9
131 85.2 68.8 103.2

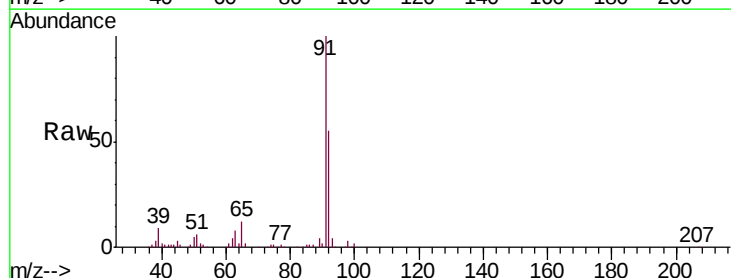


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

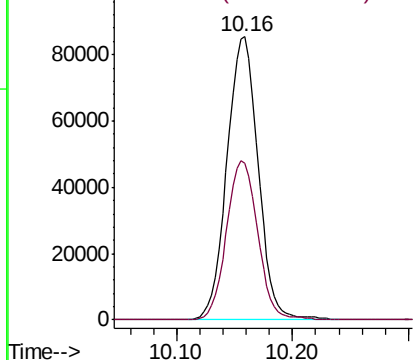
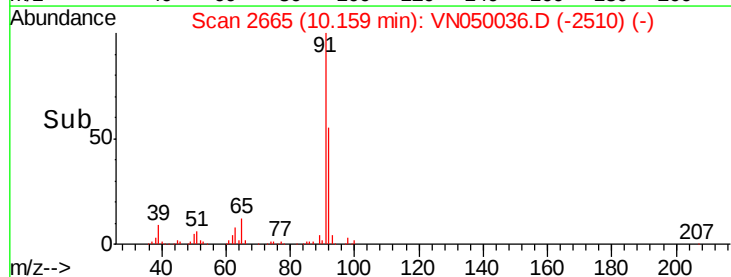


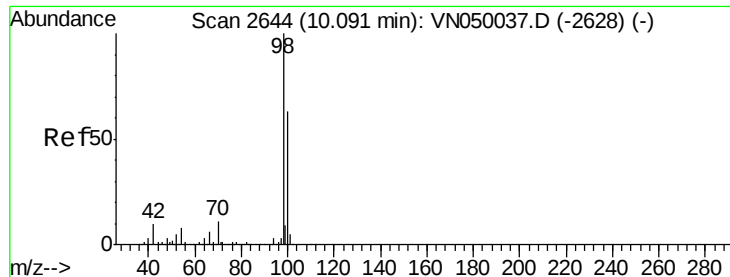
#62
Toluene
Concen: 5.225 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 91 Resp: 159642
Ion Ratio Lower Upper
91 100
92 56.4 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.940 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

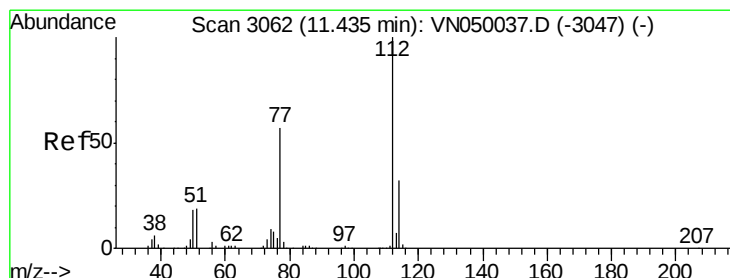
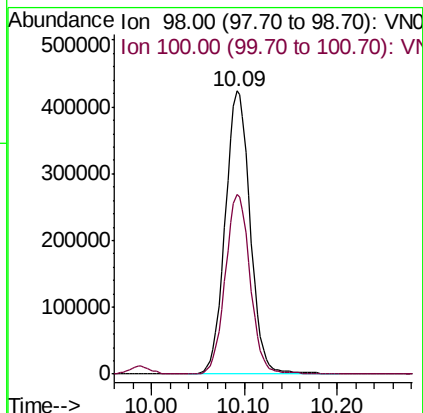
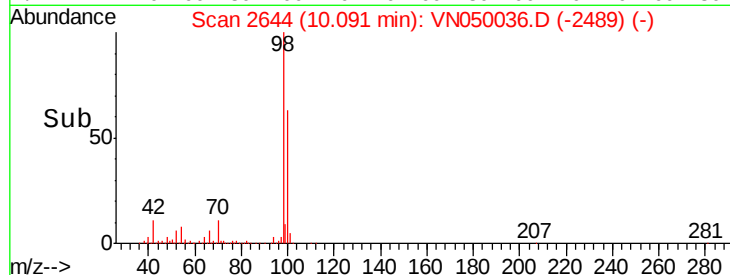
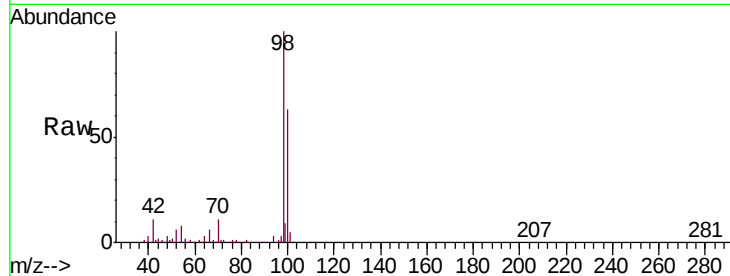
VSTDIC005

Tgt Ion: 98 Resp: 791363

Ion Ratio Lower Upper

98 100

100 63.0 51.2 76.8



#64

Chlorobenzene

Concen: 5.057 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050036.D

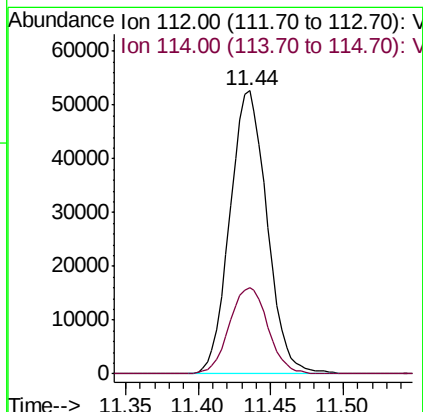
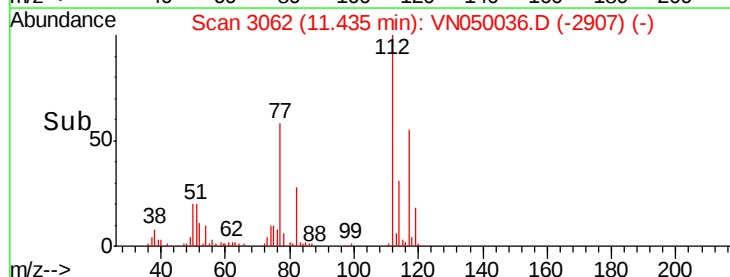
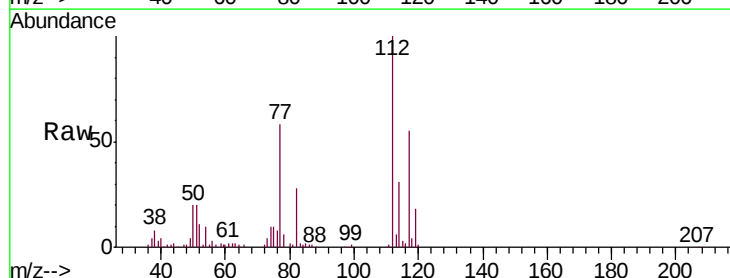
Acq: 25 Jul 2018 8:29

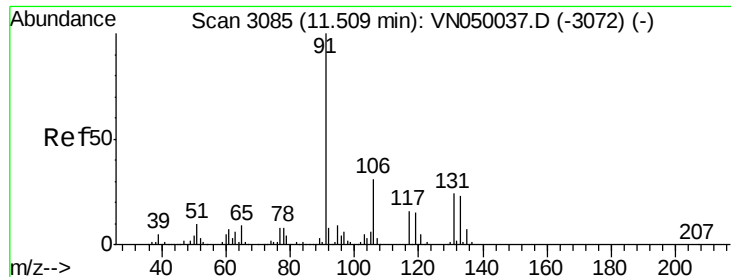
Tgt Ion: 112 Resp: 93680

Ion Ratio Lower Upper

112 100

114 30.7 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 5.312 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

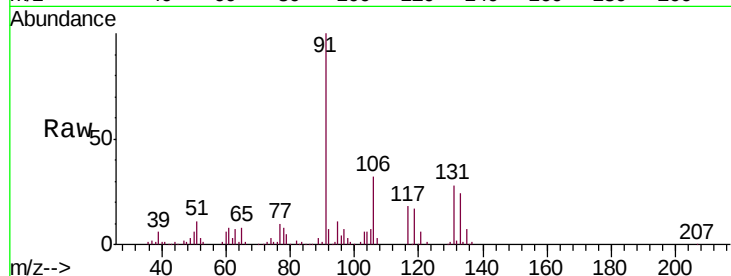
Tgt Ion:131 Resp: 38381

Ion Ratio Lower Upper

131 100

133 95.6 0.0 190.0

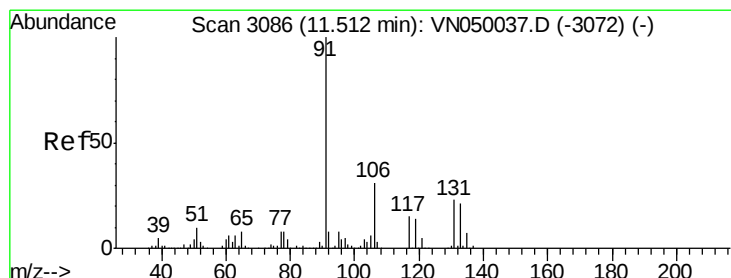
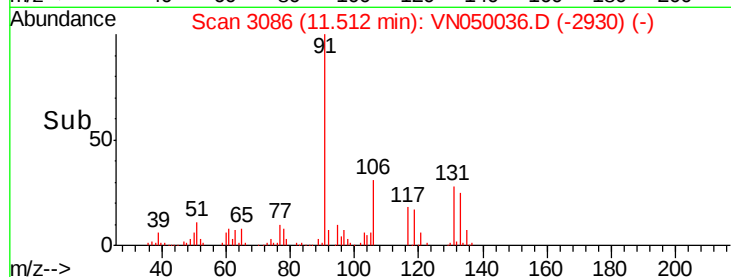
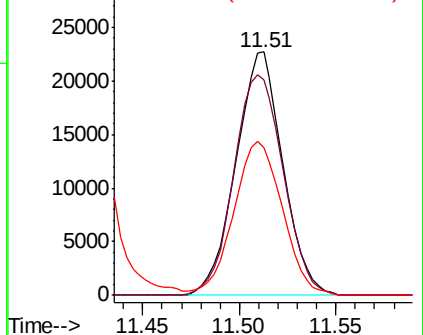
119 65.6 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 4.389 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050036.D

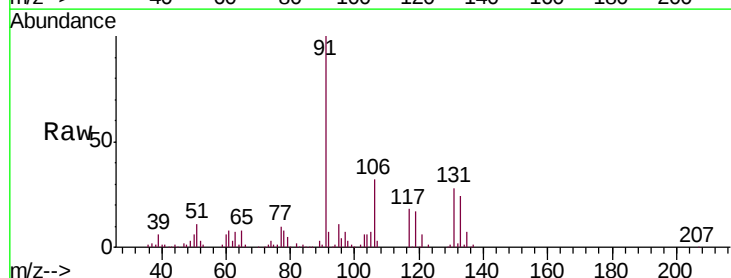
Acq: 25 Jul 2018 8:29

Tgt Ion: 91 Resp: 137035

Ion Ratio Lower Upper

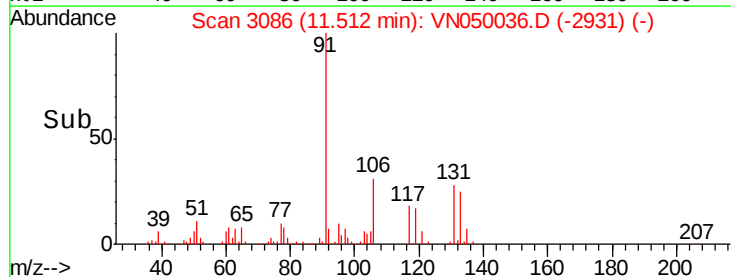
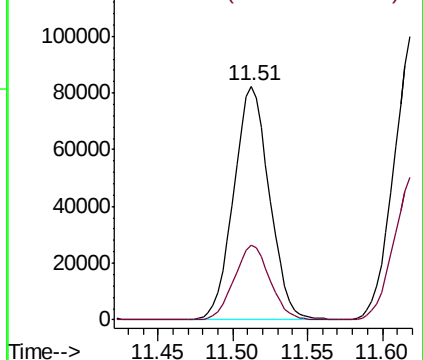
91 100

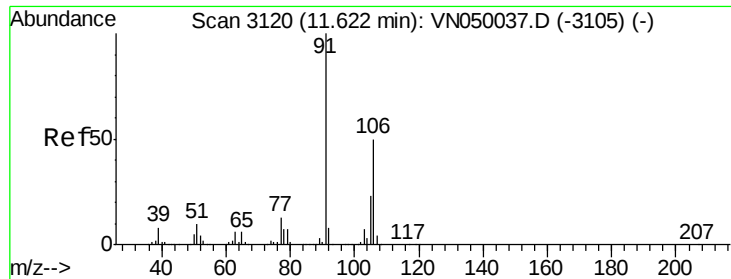
106 31.9 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 8.670 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

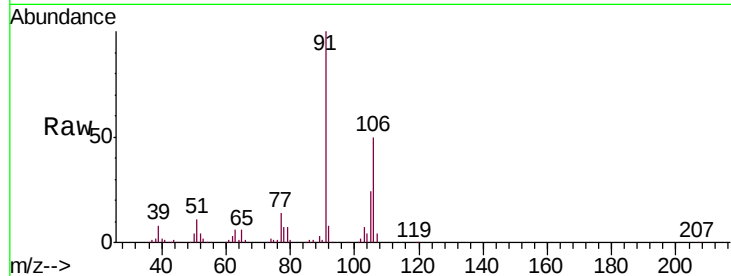
VSTDIC005

Tgt Ion:106 Resp: 104172

Ion Ratio Lower Upper

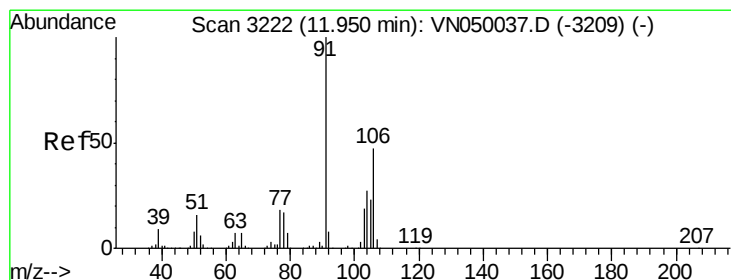
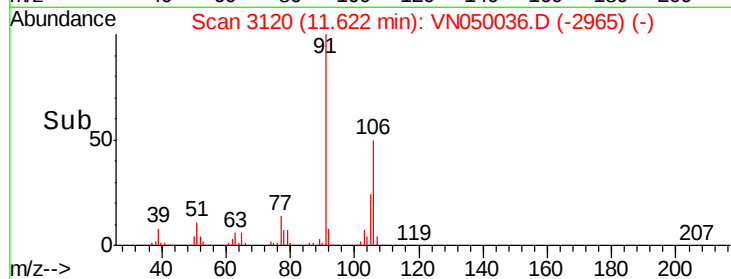
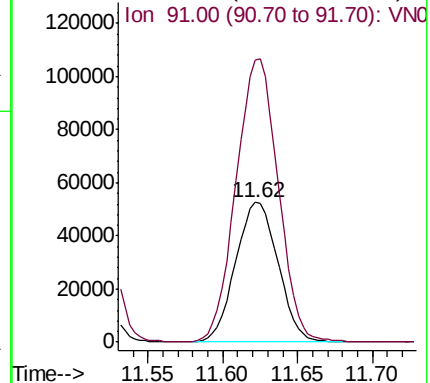
106 100

91 200.1 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 4.371 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050036.D

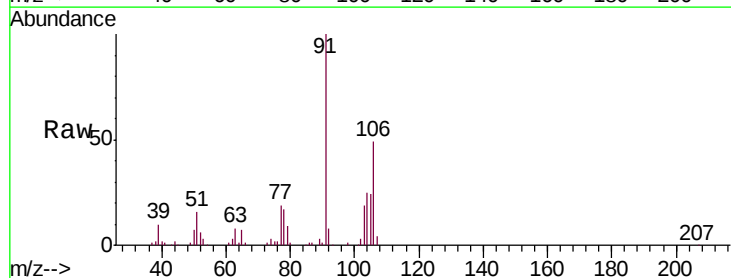
Acq: 25 Jul 2018 8:29

Tgt Ion:106 Resp: 49970

Ion Ratio Lower Upper

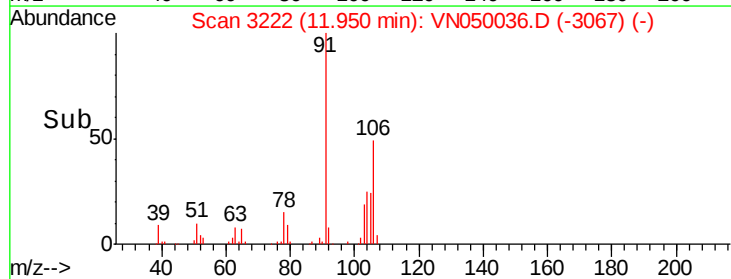
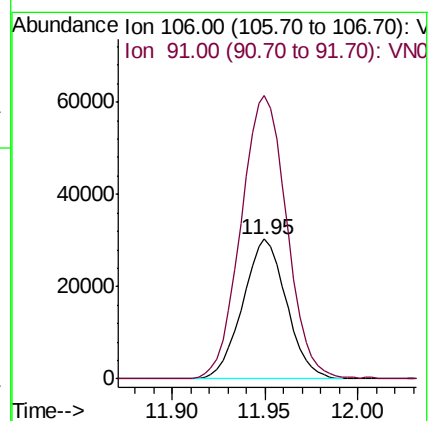
106 100

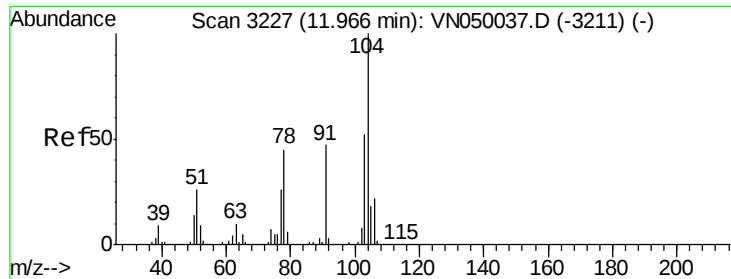
91 211.3 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

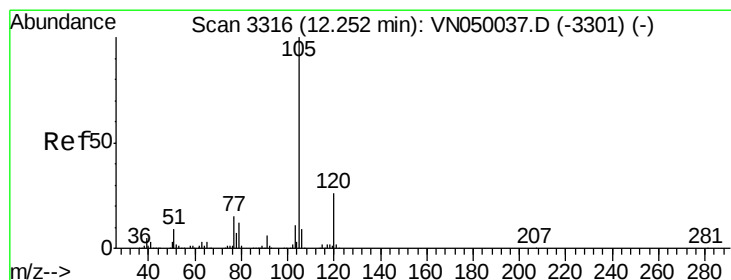
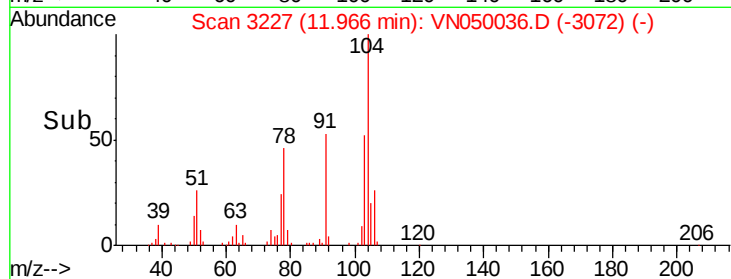
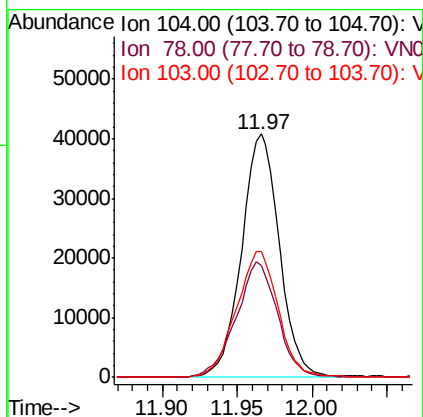
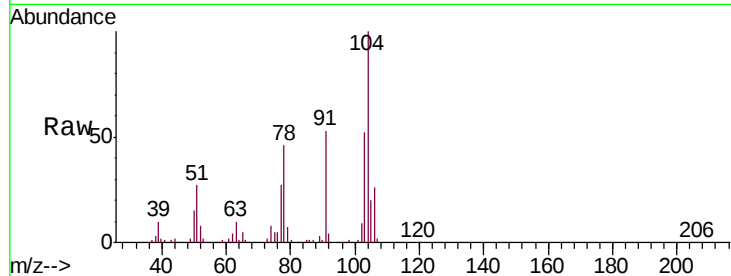




#69
Styrene
Concen: 3.914 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

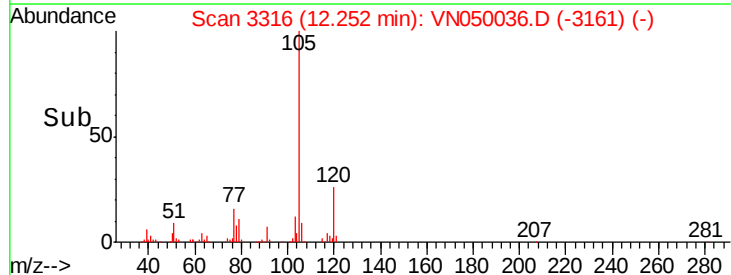
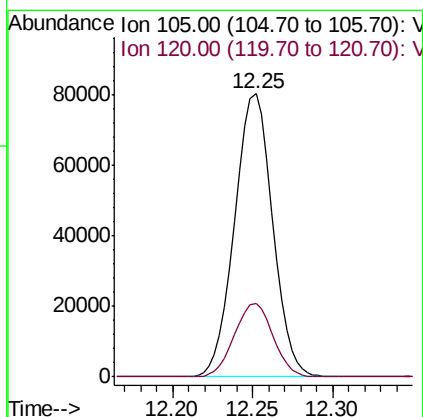
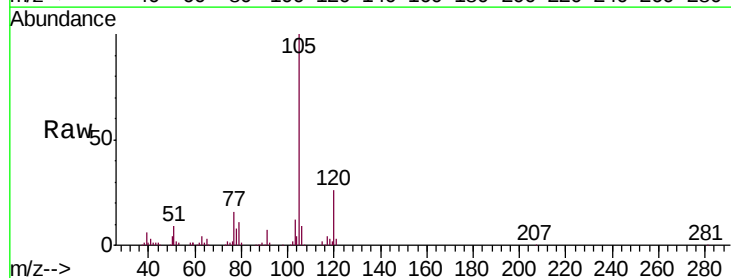
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

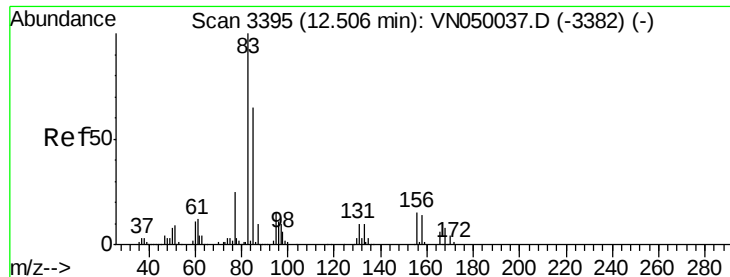
Tgt Ion:104 Resp: 71737
Ion Ratio Lower Upper
104 100
78 51.9 39.3 58.9
103 57.2 44.5 66.7



#70
Isopropylbenzene
Concen: 4.269 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion:105 Resp: 129975
Ion Ratio Lower Upper
105 100
120 26.2 18.9 35.1

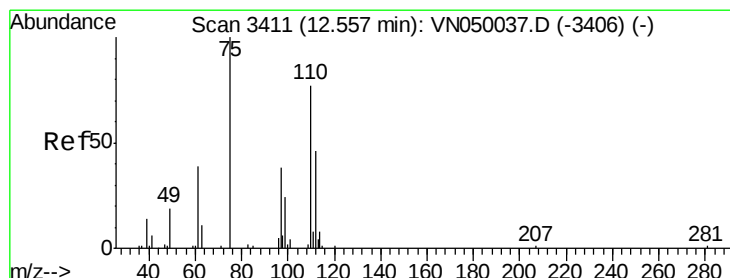
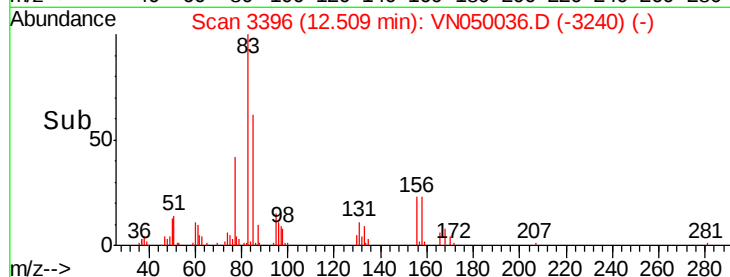
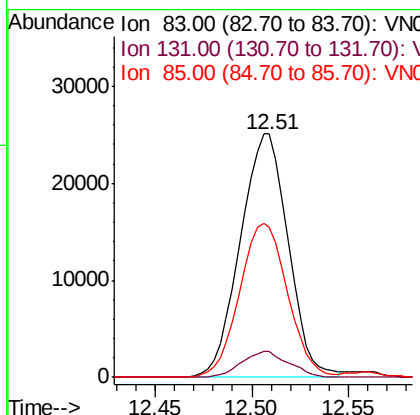
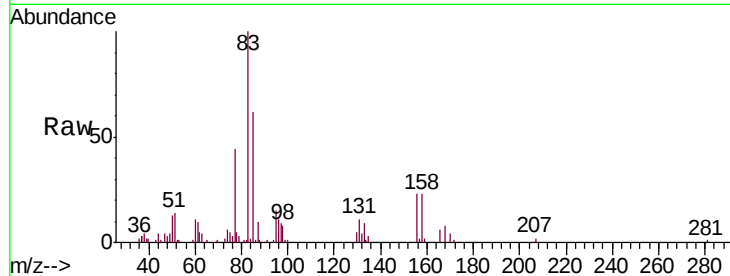




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.176 ug/l
 RT: 12.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

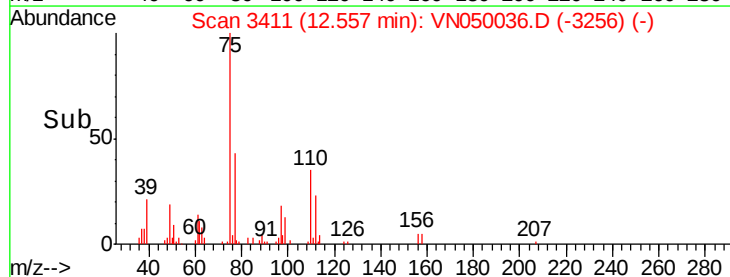
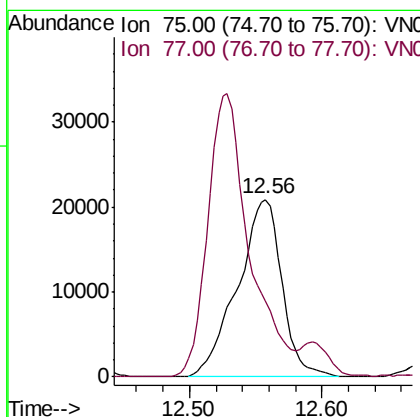
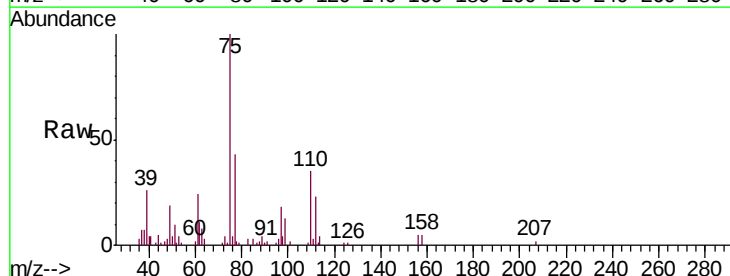
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

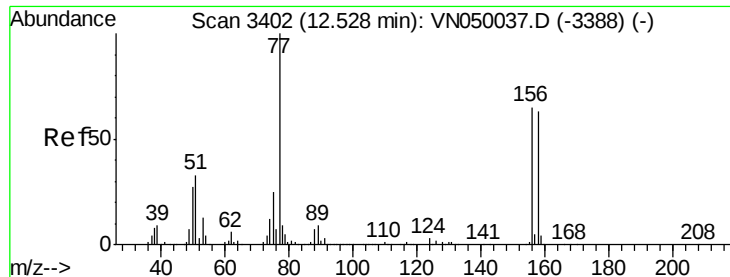
Tgt Ion: 83 Resp: 43268
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.2 15.6
 85 63.4 31.7 95.1



#72
 1,2,3-Trichloropropane
 Concen: 7.238 ug/l
 RT: 12.56 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion: 75 Resp: 48585
 Ion Ratio Lower Upper
 75 100
 77 149.5 0.0 454.4





#73

Bromobenzene

Concen: 4.815 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

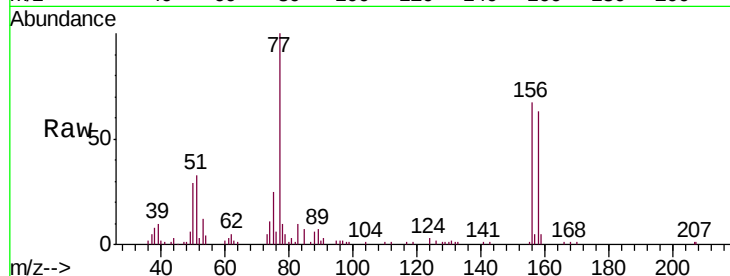
Tgt Ion:156 Resp: 39052

Ion Ratio Lower Upper

156 100

77 186.0 0.0 359.8

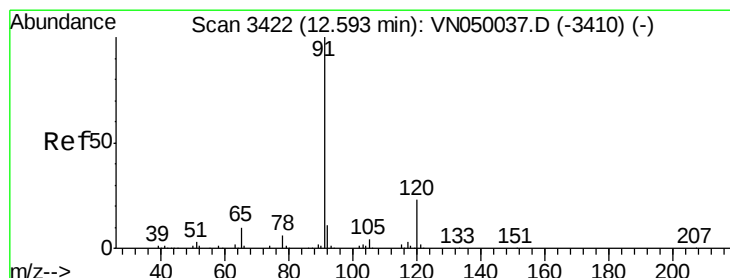
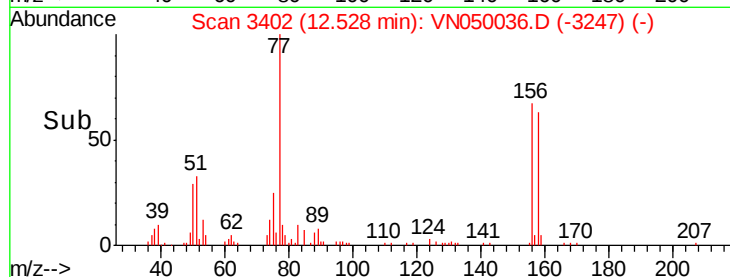
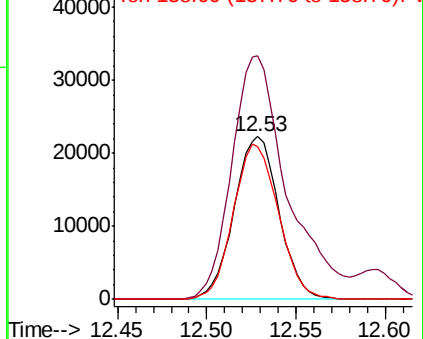
158 95.9 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 4.272 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050036.D

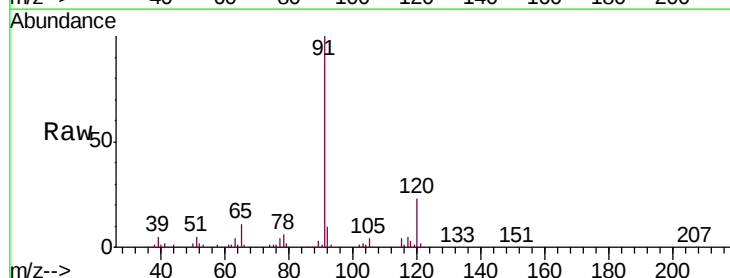
Acq: 25 Jul 2018 8:29

Tgt Ion: 91 Resp: 151485

Ion Ratio Lower Upper

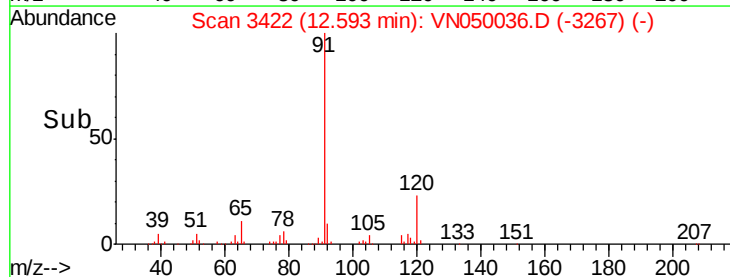
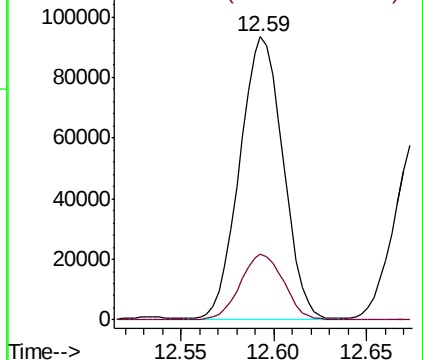
91 100

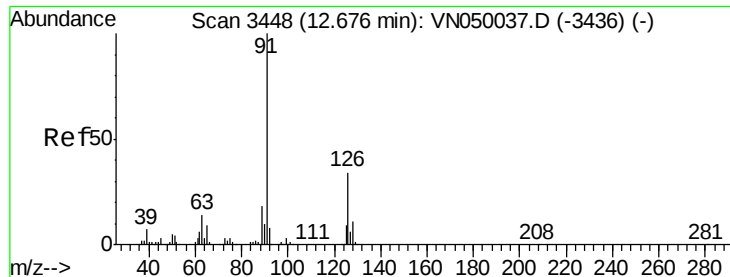
120 23.1 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.586 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

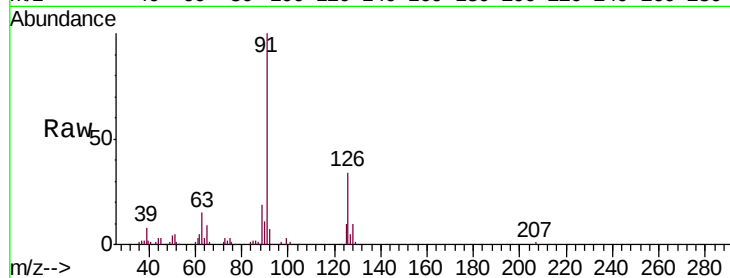
VSTDIC005

Tgt Ion: 91 Resp: 97675

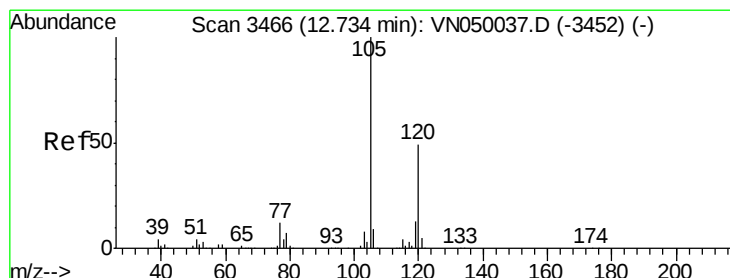
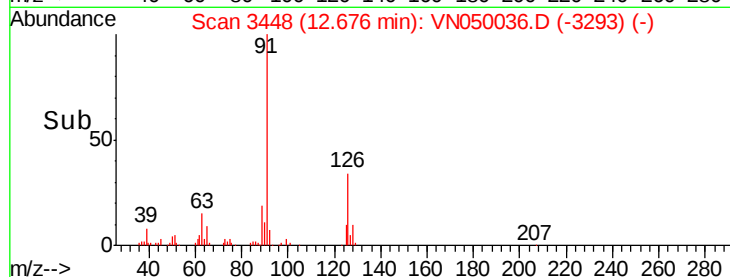
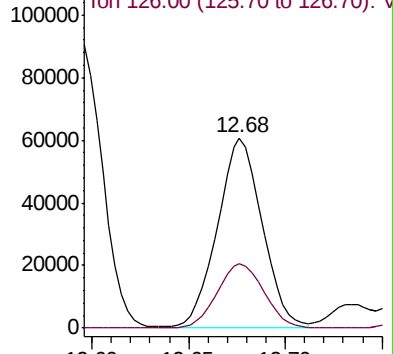
Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6



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



#76

1,3,5-Trimethylbenzene

Concen: 4.159 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050036.D

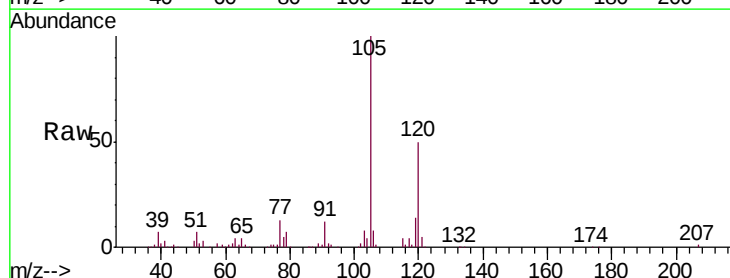
Acq: 25 Jul 2018 8:29

Tgt Ion: 105 Resp: 103999

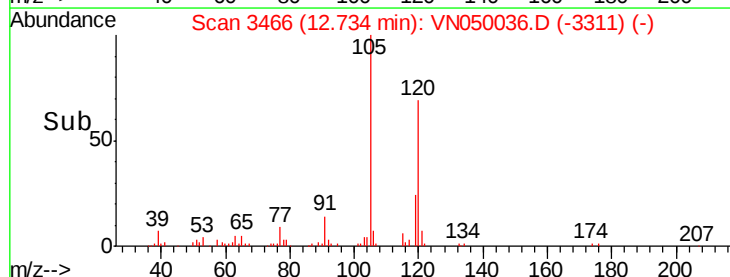
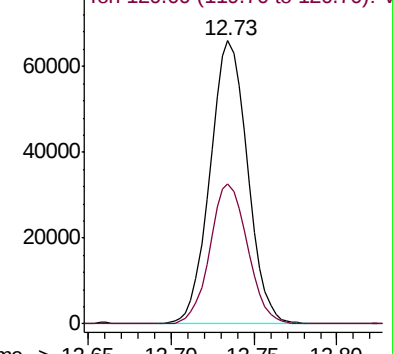
Ion Ratio Lower Upper

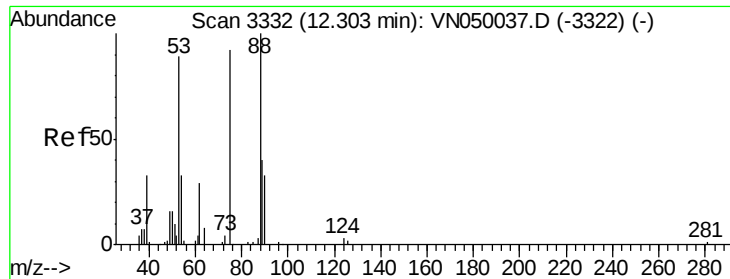
105 100

120 49.5 0.0 98.0



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

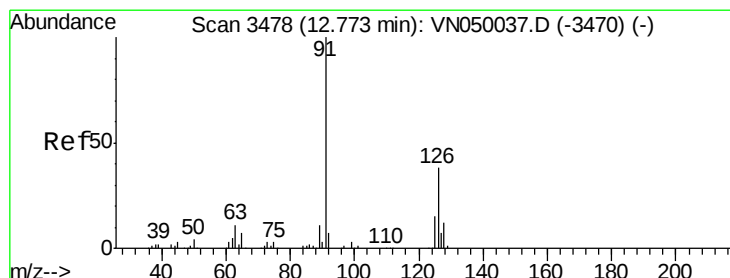
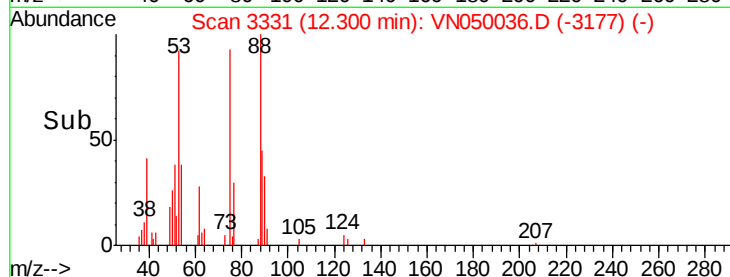
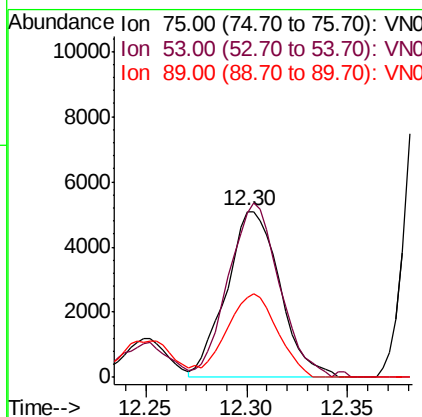
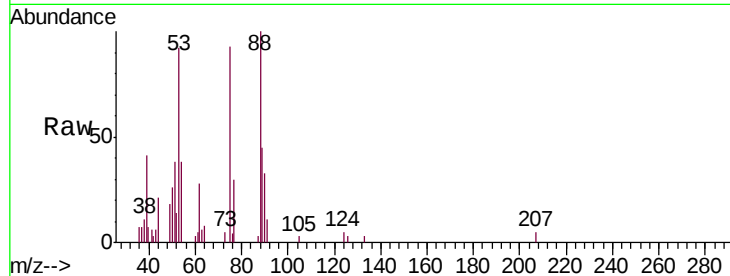




#77
t-1,4-Dichloro-2-butene
Concen: 4.052 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

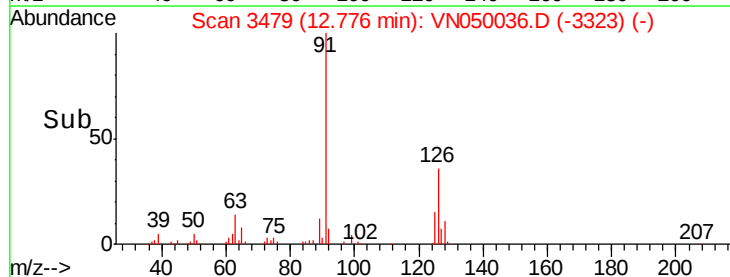
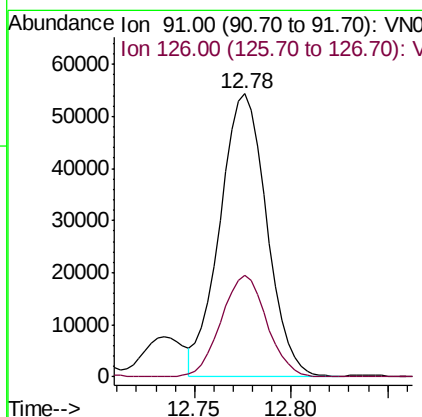
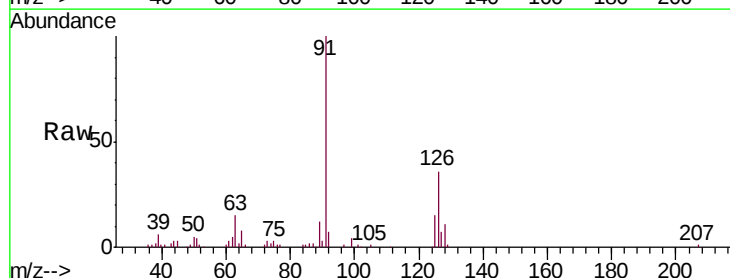
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

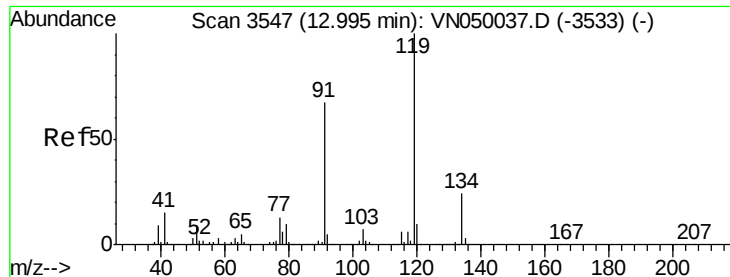
Tgt Ion: 75 Resp: 9459
Ion Ratio Lower Upper
75 100
53 96.3 44.6 134.0
89 48.6 20.7 62.1



#78
4-Chlorotoluene
Concen: 4.302 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion: 91 Resp: 90787
Ion Ratio Lower Upper
91 100
126 35.2 0.0 68.4

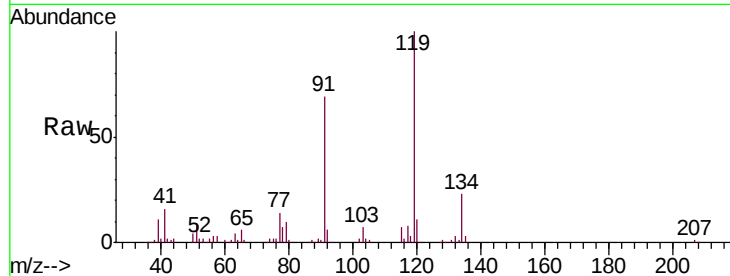




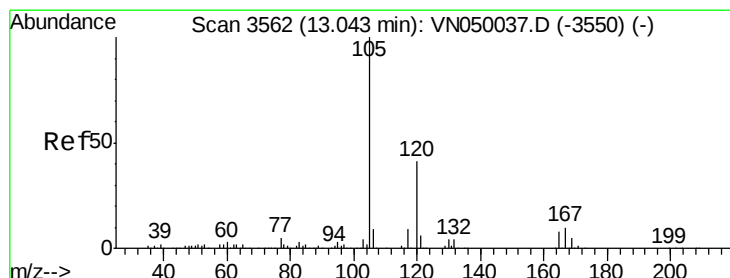
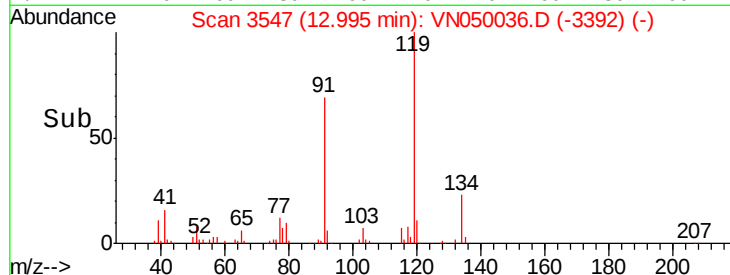
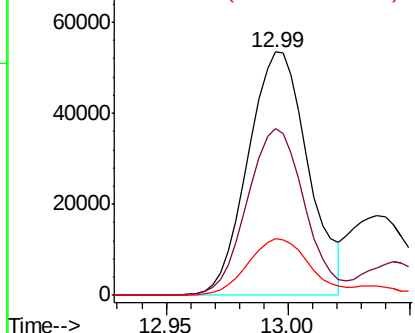
#79
tert-butylbenzene
Concen: 4.280 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 91493
Ion Ratio Lower Upper
119 100
91 65.8 0.0 126.8
134 23.7 0.0 47.4

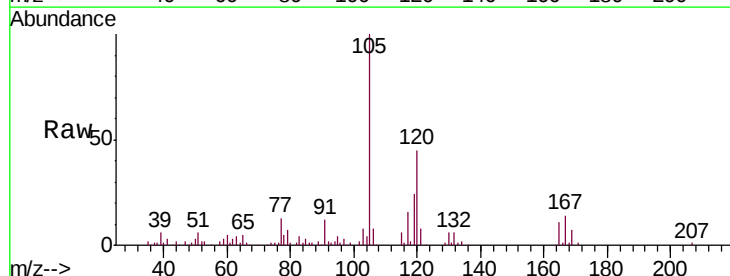


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

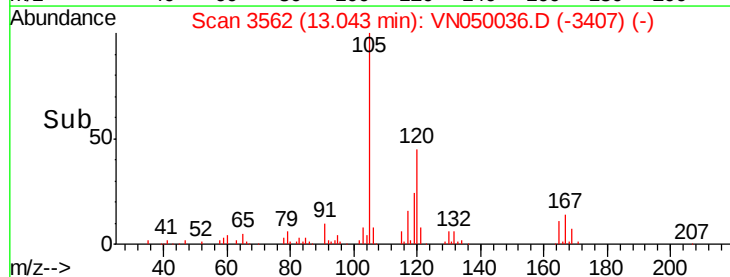
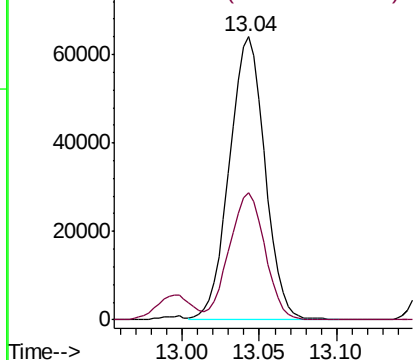


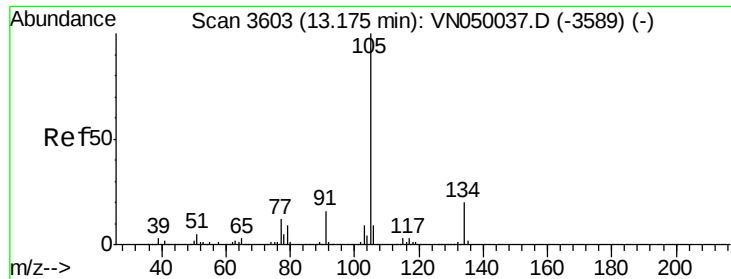
#80
1,2,4-Trimethylbenzene
Concen: 4.010 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion:105 Resp: 101597
Ion Ratio Lower Upper
105 100
120 45.3 0.0 90.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

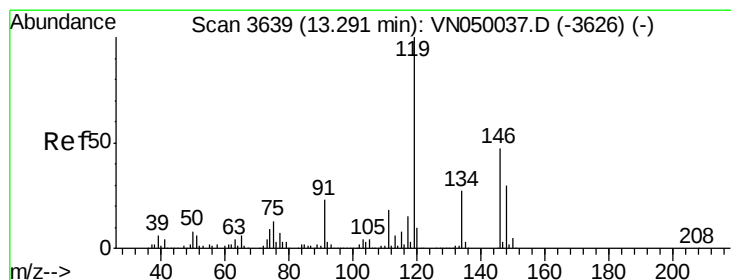
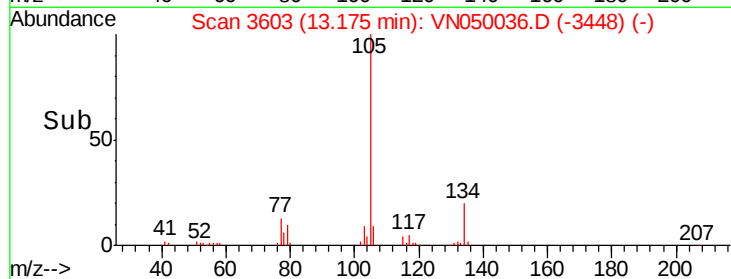
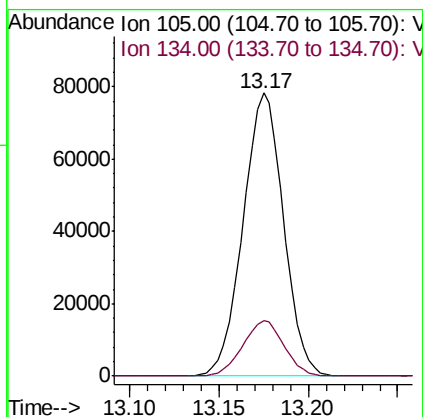
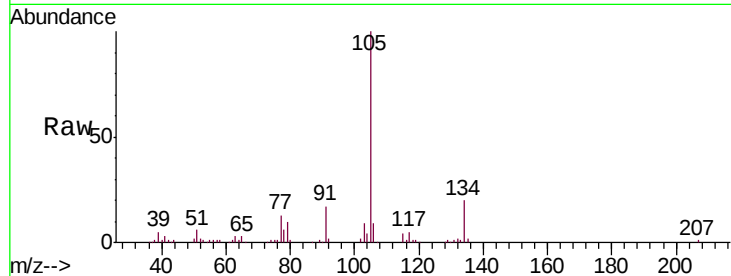




#81
 sec-Butylbenzene
 Concen: 4.275 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

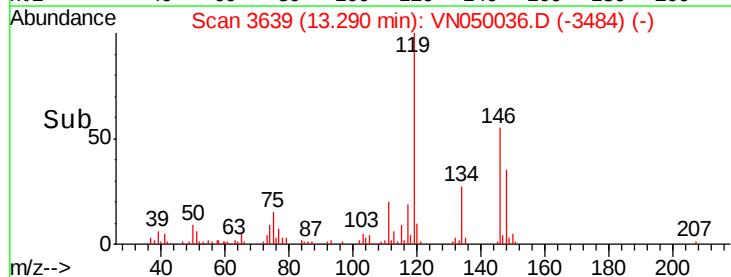
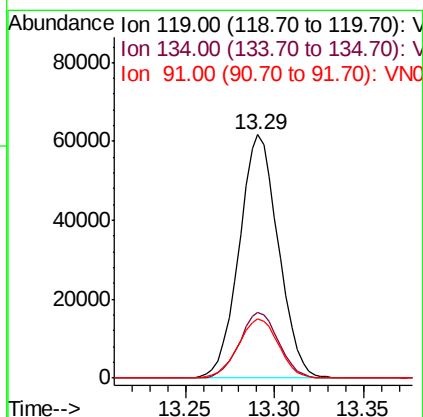
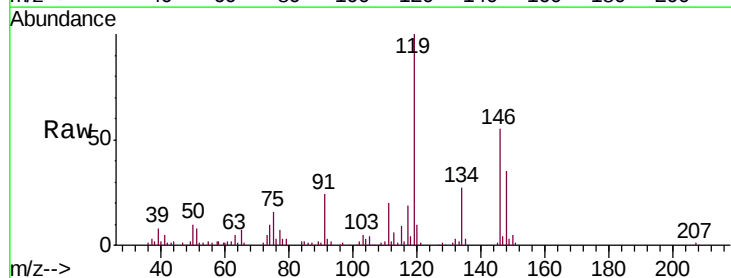
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

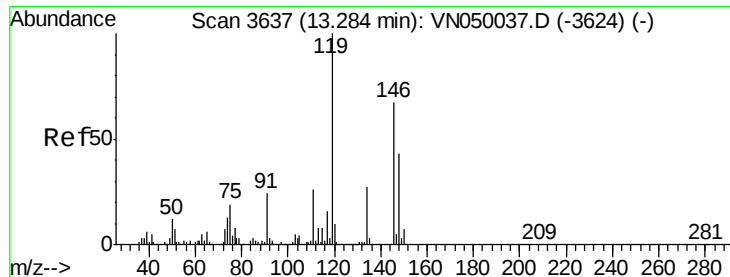
Tgt Ion:105 Resp: 124168
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 3.825 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion:119 Resp: 94787
 Ion Ratio Lower Upper
 119 100
 134 27.0 0.0 52.2
 91 25.2 0.0 45.6

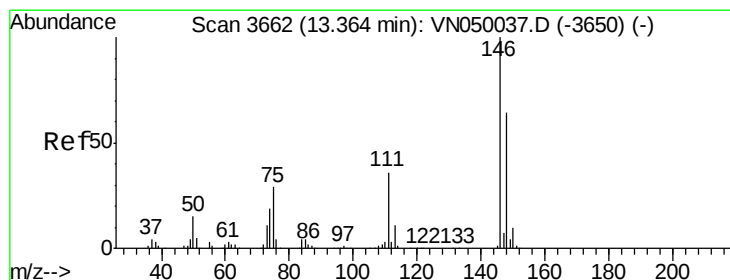
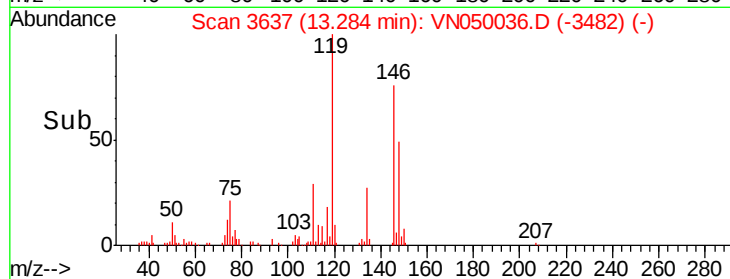
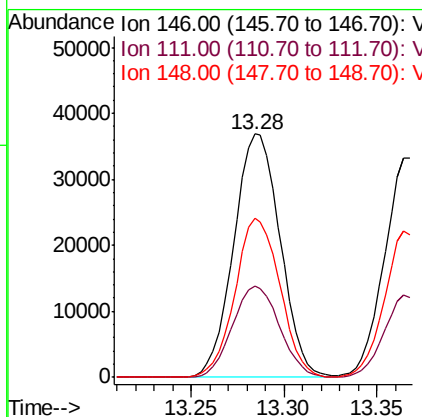
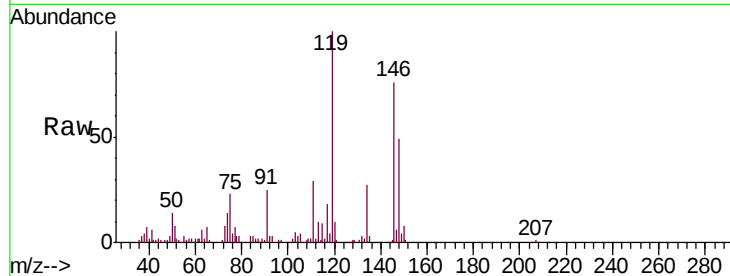




#83
 1,3-Dichlorobenzene
 Concen: 4.550 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

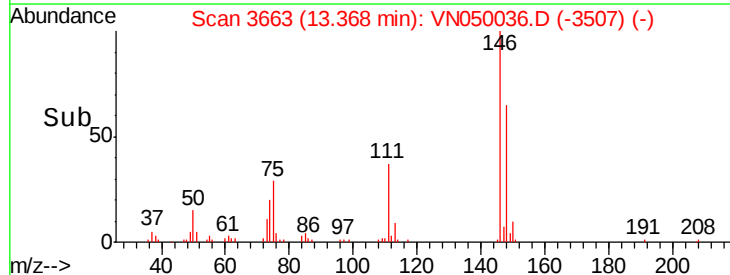
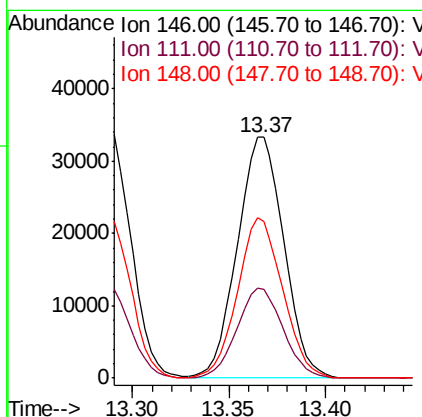
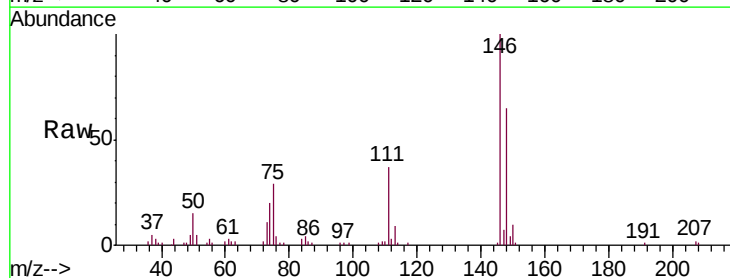
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

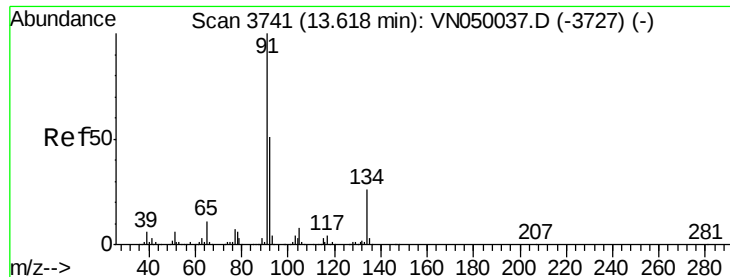
Tgt Ion:146 Resp: 64260
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 63.3 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 4.185 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion:146 Resp: 55854
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.9 53.8
 148 64.7 32.4 97.0





#85

n-Butylbenzene

Concen: 3.528 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. -0.00 min

Lab File: VN050036.D

Acq: 25 Jul 2018 8:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

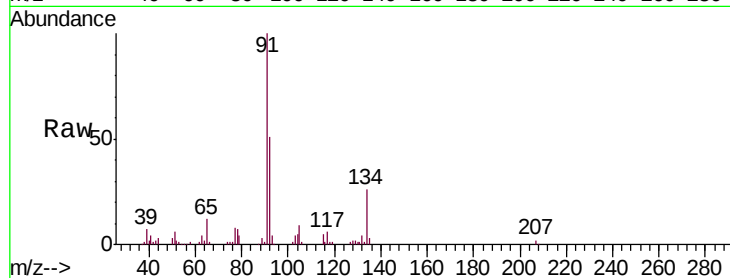
Tgt Ion: 91 Resp: 70960

Ion Ratio Lower Upper

91 100

92 49.8 0.0 102.8

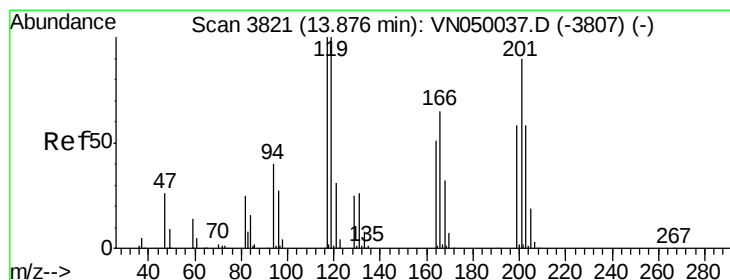
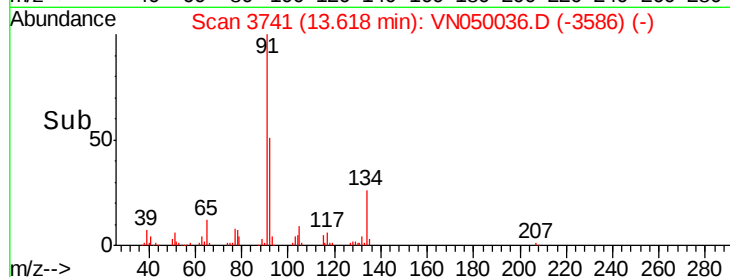
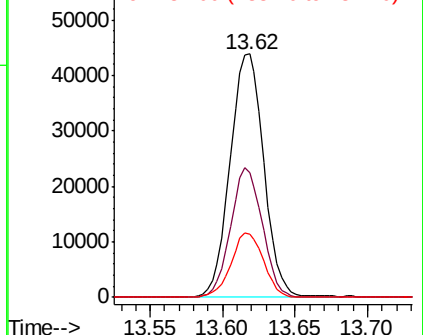
134 25.3 0.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)



#86

Hexachloroethane

Concen: 5.086 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050036.D

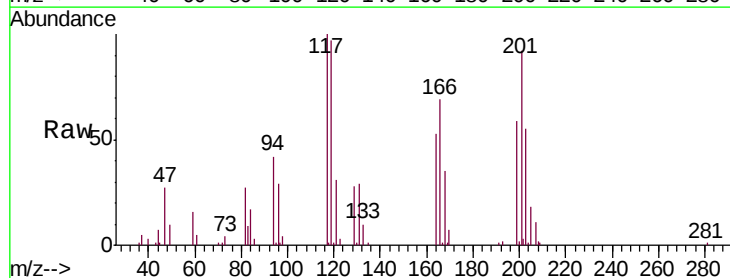
Acq: 25 Jul 2018 8:29

Tgt Ion: 117 Resp: 25188

Ion Ratio Lower Upper

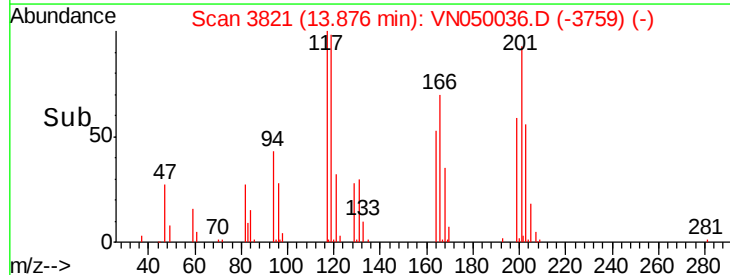
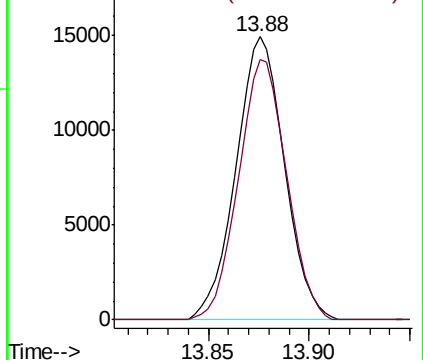
117 100

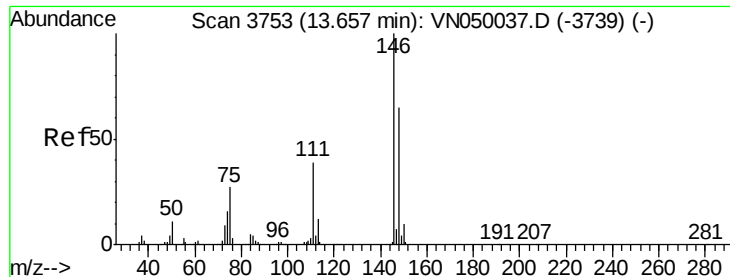
201 90.9 46.6 139.7



Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

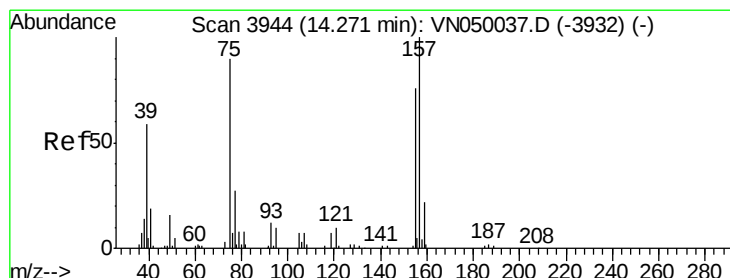
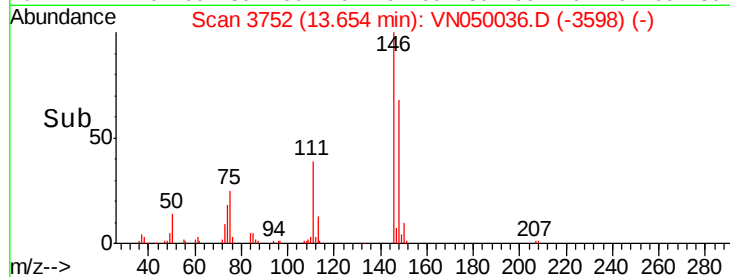
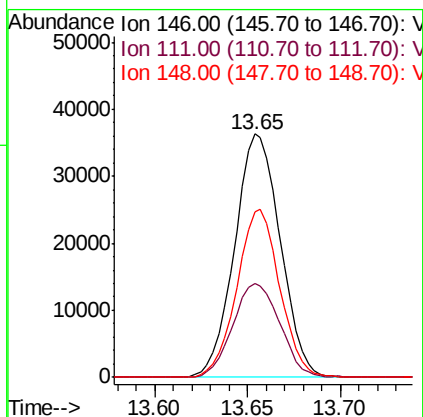
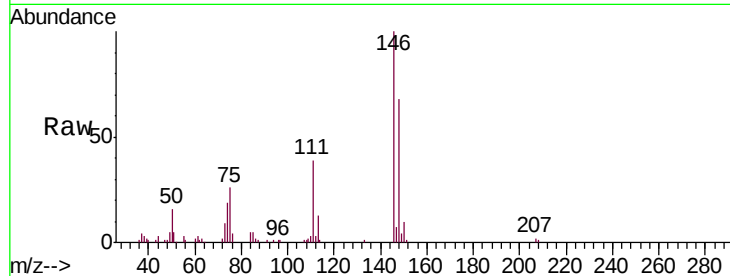




#87
 1,2-Dichlorobenzene
 Concen: 4.489 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

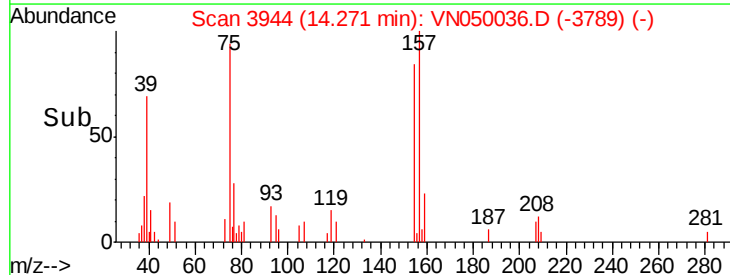
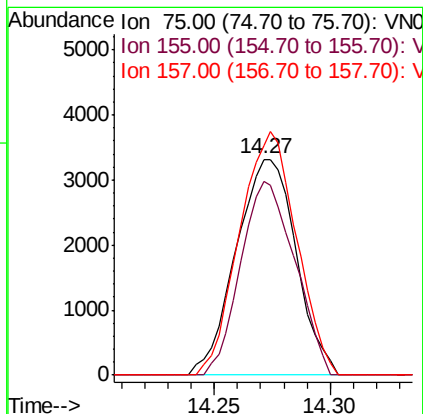
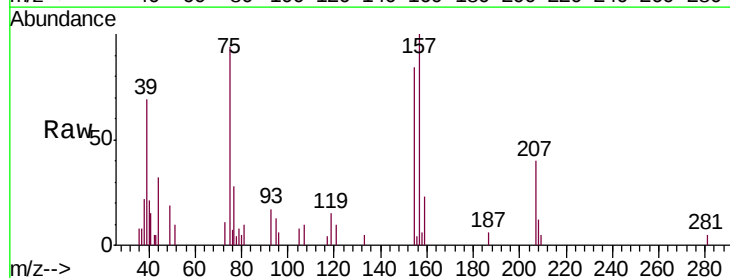
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

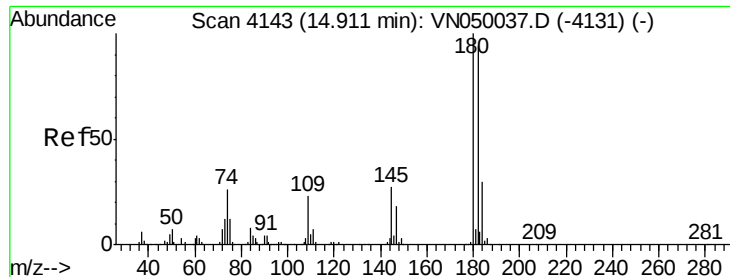
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.8	31.8	95.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.570 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	73.0	109.6
157	107.1	94.9	142.3

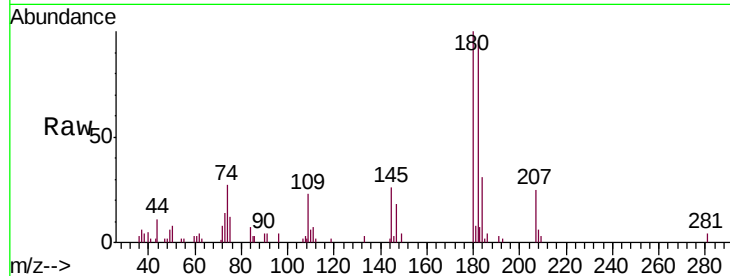




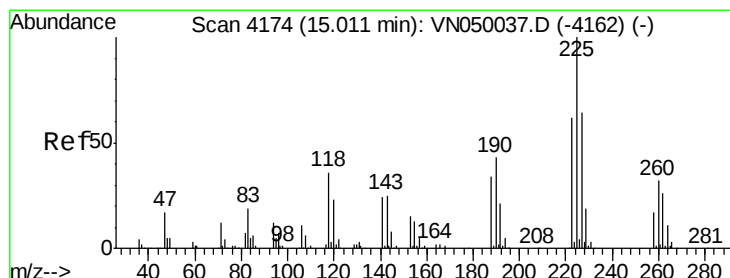
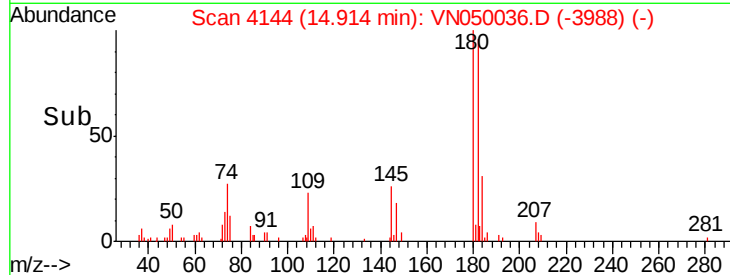
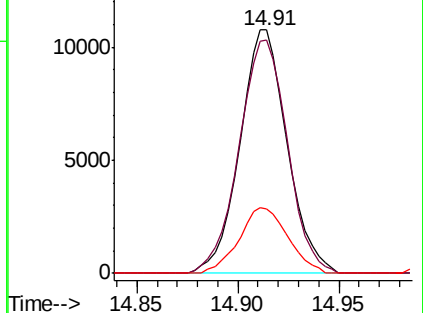
#89
 1,2,4-Trichlorobenzene
 Concen: 2.677 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 17647
 Ion Ratio Lower Upper
 180 100
 182 98.4 76.7 115.1
 145 27.8 23.4 35.0

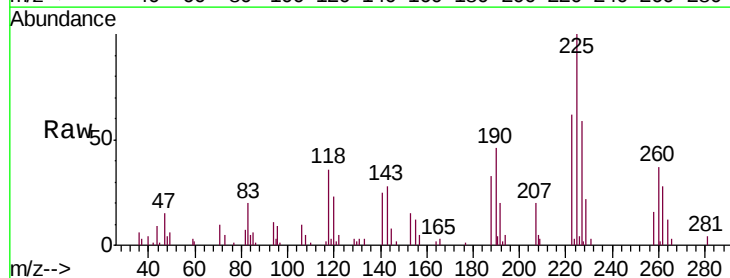


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

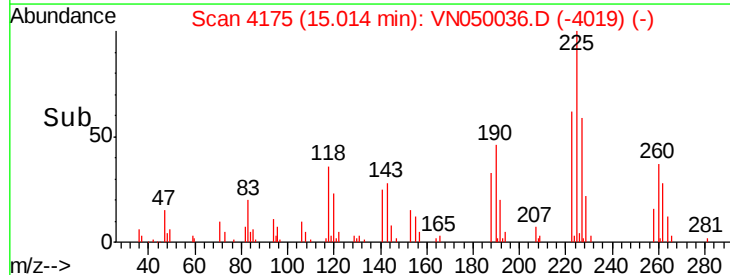
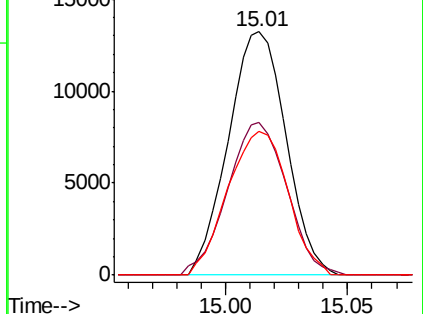


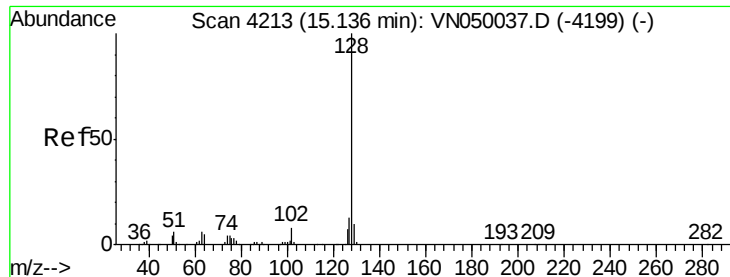
#90
 Hexachlorobutadiene
 Concen: 5.001 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050036.D
 Acq: 25 Jul 2018 8:29

Tgt Ion:225 Resp: 21740
 Ion Ratio Lower Upper
 225 100
 223 64.2 0.0 124.4
 227 61.6 0.0 133.0



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

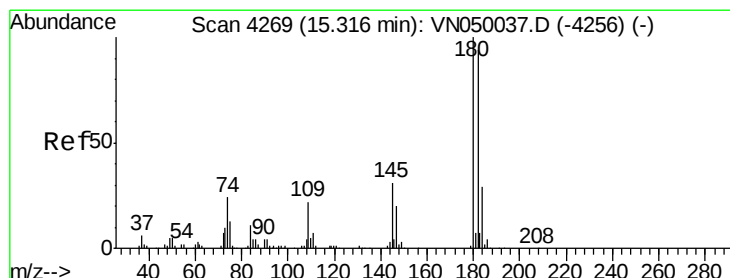
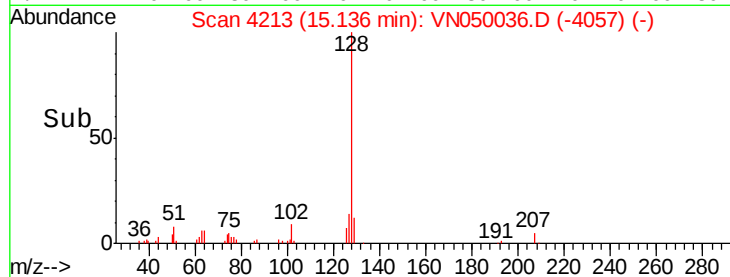
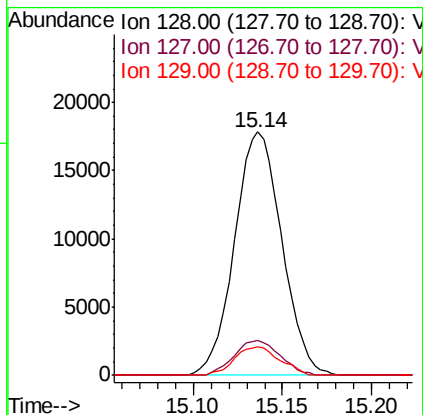
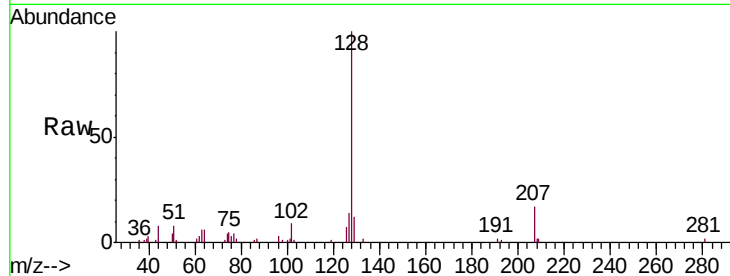




#91
Naphthalene
Concen: 9.237 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 33008
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 11.2 9.0 13.4



#92
1,2,3-Trichlorobenzene
Concen: 3.129 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050036.D
Acq: 25 Jul 2018 8:29

Tgt Ion:180 Resp: 20978
Ion Ratio Lower Upper
180 100
182 95.5 0.0 188.8
145 29.1 0.0 60.8

