

Data File : VN050907.D
Acq On : 28 Aug 2018 12:01
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Aug 29 01:19:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	115658	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	596374	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	522849	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	222327	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	216137	27.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.67%
63) Toluene-d8	10.09	98	750346	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	28291	3.939	ug/l	98
3) Chloromethane	2.06	50	40582	4.785	ug/l	100
4) Vinyl Chloride	2.18	62	39999	4.773	ug/l	97
5) Bromomethane	2.56	94	27252	5.335	ug/l	96
6) Chloroethane	2.70	64	25375	5.134	ug/l	99
7) Trichlorofluoromethane	3.01	101	54552	4.910	ug/l	96
8) Diethyl Ether	3.41	74	17832	4.553	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	34468	5.010	ug/l	99
10) 1,1-Dichloroethene	3.73	96	29407	4.706	ug/l	98
11) Methyl Iodide	3.95	142	19825	3.400	ug/l	96
12) Methyl Acetate	4.33	43	31123	4.307	ug/l	99
13) Acrolein	3.61	56	5756	35.971	ug/l	98
14) Acrylonitrile	4.99	53	54019	22.109	ug/l #	89
15) Acetone	3.82	58	18819	30.099	ug/l	82
16) Carbon Disulfide	4.05	76	92322	4.913	ug/l	100
17) Allyl chloride	4.32	41	44606	4.536	ug/l	97
18) Methylene Chloride	4.55	84	37702	5.140	ug/l	99
19) trans-1,2-Dichloroethene	5.05	96	32094	4.820	ug/l	92
20) Diisopropyl ether	5.95	45	88369	4.329	ug/l	92
21) 1,1-Dichloroethane	5.85	63	61975	4.952	ug/l	98
22) cis-1,2-Dichloroethene	6.82	96	35635	4.738	ug/l	98
23) tert-Butyl Alcohol	4.80	59	11285	21.718	ug/l #	1
24) Methyl tert-Butyl Ether	5.05	73	72908	4.265	ug/l	95
25) Chloroform	7.37	83	62506	5.004	ug/l	95
26) Cyclohexane	7.65	56	44540	4.296	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	42016	4.706	ug/l	98
30) 2-Butanone	6.84	43	76411	27.820	ug/l #	95
31) 2,2-Dichloropropane	6.82	77	42257	4.864	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	51455	5.082	ug/l	99
33) Carbon Tetrachloride	7.77	117	46353	5.084	ug/l	97
34) Benzene	8.04	78	139442	5.049	ug/l #	71
35) Methacrylonitrile	7.18	41	13464	4.474	ug/l	92
36) 1,2-Dichloroethane	8.13	62	43310	5.185	ug/l	99
37) Trichloroethene	8.83	130	36859	5.106	ug/l	97
38) Methylcyclohexane	9.08	83	43913	4.579	ug/l	96
39) 1,2-Dichloropropane	9.12	63	35949	4.983	ug/l	97
40) Dibromomethane	9.21	93	22112	5.089	ug/l	99

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MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Aug 29 01:19:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	46074	5.030	ug/l	97
42) Vinyl Acetate	5.90	43	281299	22.235	ug/l	100
43) Ethyl Acetate	6.93	43	25289	4.494	ug/l #	91
44) Isopropyl Acetate	8.17	43	44282	4.460	ug/l	95
45) 1,4-Dioxane	9.20	88	6273	85.053	ug/l #	85
46) Methyl methacrylate	9.20	41	21258	4.275	ug/l	98
47) n-amyl Acetate	12.07	43	30464	3.816	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	39387	4.386	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	46907	4.548	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	31152	4.934	ug/l	94
51) Ethyl methacrylate	10.43	69	32430	4.198	ug/l	96
52) 1,3-Dichloropropane	10.71	76	50977	4.874	ug/l	97
53) Dibromochloromethane	10.90	129	35185	4.901	ug/l	98
54) 1,2-Dibromoethane	11.01	107	30114	4.824	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	62715	19.511	ug/l	99
56) Bromoform	12.13	173	23641	4.630	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	164195	27.447	ug/l	98
59) 2-Hexanone	10.75	43	103163	26.383	ug/l	95
61) Tetrachloroethene	10.63	164	34172	5.245	ug/l	98
62) Toluene	10.16	91	147806	5.067	ug/l	100
64) Chlorobenzene	11.44	112	90610	5.012	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	34356	5.033	ug/l	97
66) Ethyl Benzene	11.51	91	138273	4.576	ug/l	98
67) m/p-Xylenes	11.62	106	104802	9.015	ug/l	99
68) o-Xylene	11.95	106	48433	4.360	ug/l	95
69) Styrene	11.97	104	72921	4.129	ug/l	98
70) Isopropylbenzene	12.25	105	130204	4.411	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	41137	5.147	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	42856	6.235	ug/l	97
73) Bromobenzene	12.53	156	37435	4.820	ug/l	99
74) n-propylbenzene	12.59	91	144855	4.341	ug/l	100
75) 2-Chlorotoluene	12.67	91	96057	4.738	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	106628	4.421	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	8251	4.201	ug/l	92
78) 4-Chlorotoluene	12.77	91	86735	4.345	ug/l	98
79) tert-butylbenzene	12.99	119	92919	4.436	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	99027	4.118	ug/l	99
81) sec-Butylbenzene	13.17	105	121955	4.449	ug/l	99
82) p-Isopropyltoluene	13.29	119	98490	4.163	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	56921	4.335	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	49626	3.989	ug/l	99
85) n-Butylbenzene	13.62	91	63378	3.511	ug/l	99
86) Hexachloroethane	13.87	117	23206	5.110	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	58325	4.513	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4616	4.129	ug/l #	89
89) 1,2,4-Trichlorobenzene	14.91	180	15057	2.617	ug/l	96
90) Hexachlorobutadiene	15.01	225	19491	4.986	ug/l	98
91) Naphthalene	15.14	128	27631	2.241	ug/l	97
92) 1,2,3-Trichlorobenzene	15.32	180	17216	2.982	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082818\
Quantitation Report (Not Reviewed)

Data File : VN050907.D
Acq On : 28 Aug 2018 12:01
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 29 01:19:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration

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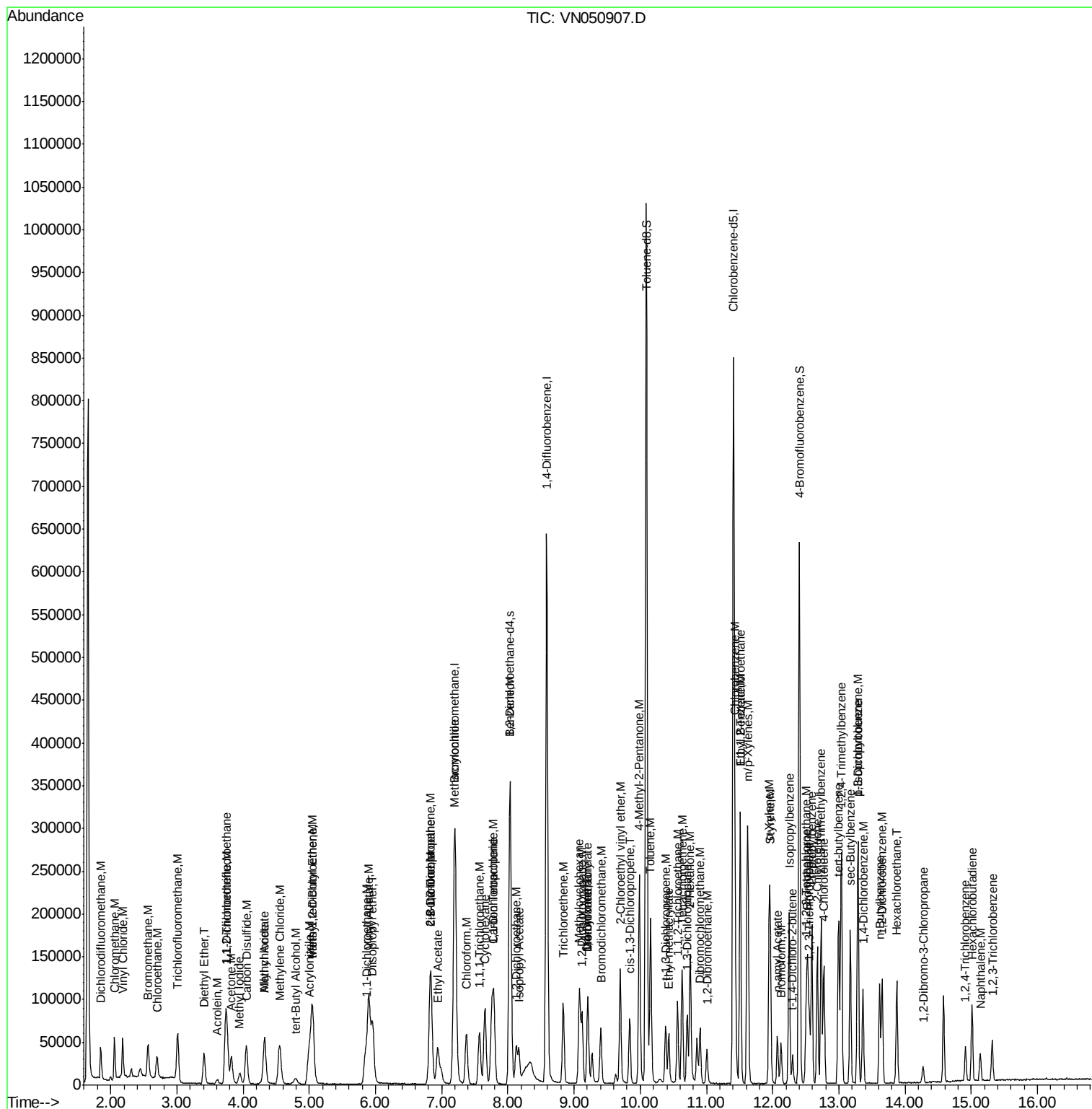
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VN050907.D

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Acq On       : 28 Aug 2018   12:01
Operator    : MD\SY
Sample      : VSTDIC005
Misc       : 5.00mL/MSV0A_N/WATER
ALS Vial    : 2      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Aug 29 01:19:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:19:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

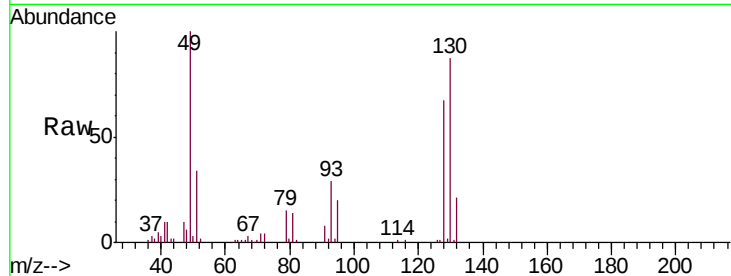
Tgt Ion:128 Resp: 115658

Ion Ratio Lower Upper

128 100

49 148.5 0.0 380.3

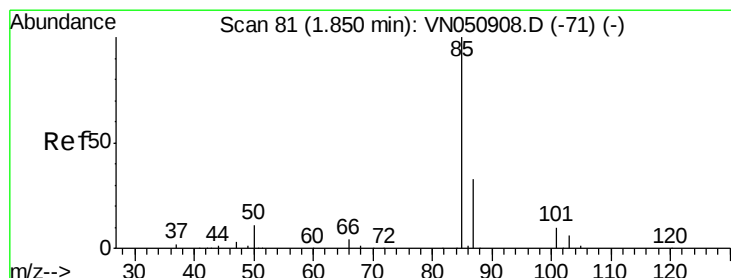
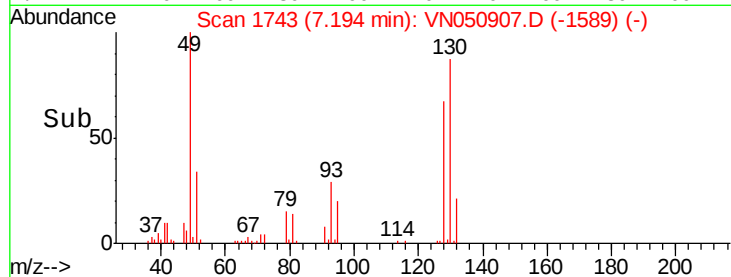
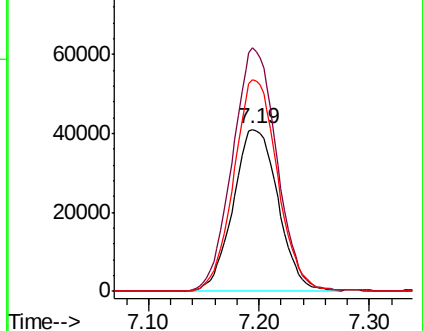
130 127.3 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.939 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050907.D

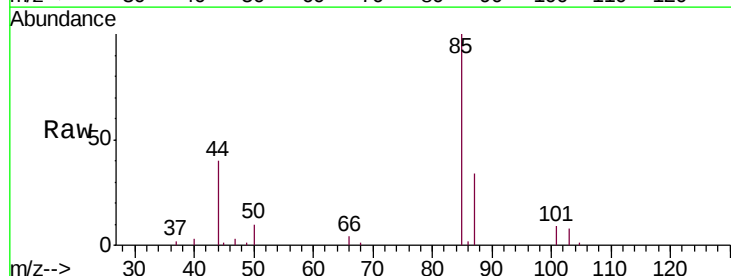
Acq: 28 Aug 2018 12:01

Tgt Ion: 85 Resp: 28291

Ion Ratio Lower Upper

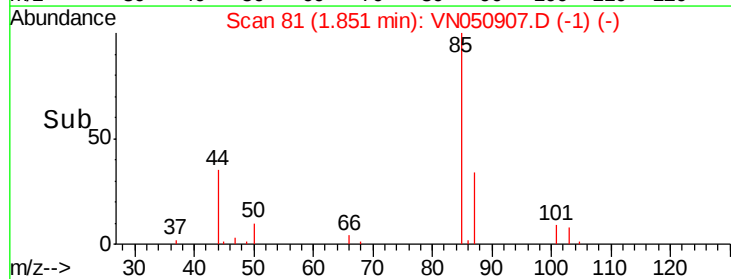
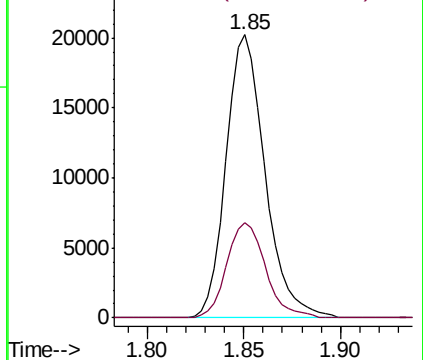
85 100

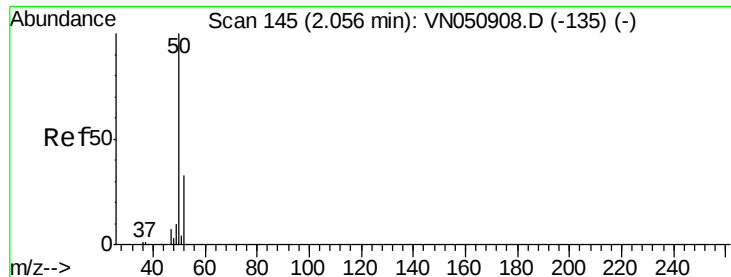
87 33.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.785 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

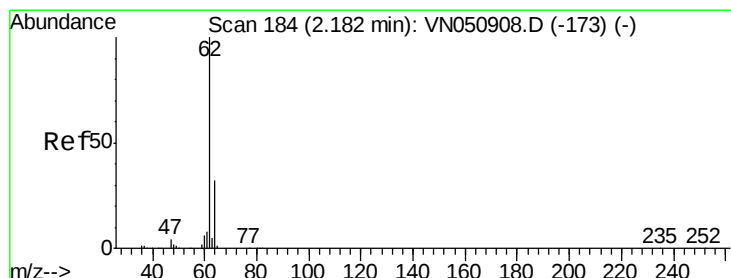
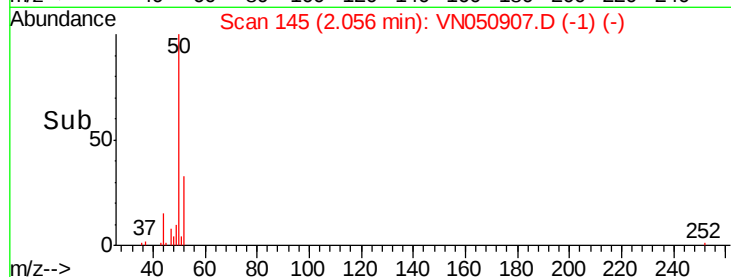
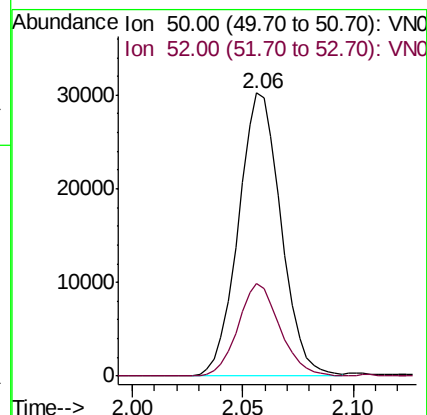
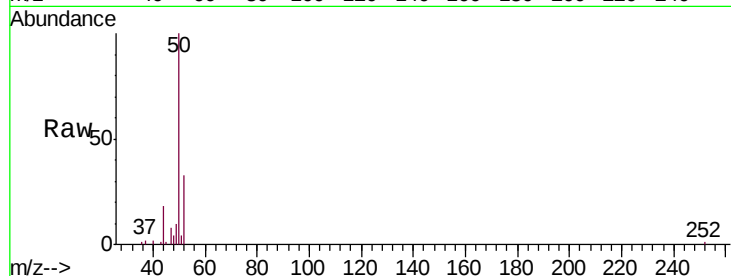
VSTDIC005

Tgt Ion: 50 Resp: 40582

Ion Ratio Lower Upper

50 100

52 32.6 26.2 39.4



#4

Vinyl Chloride

Concen: 4.773 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050907.D

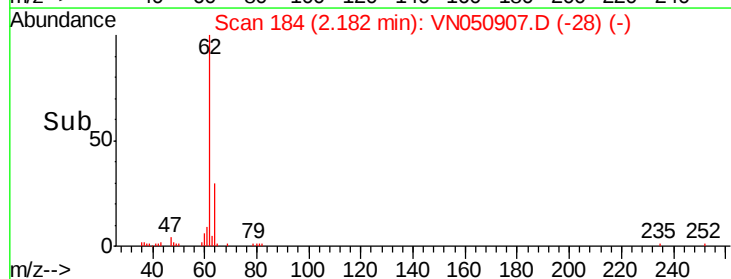
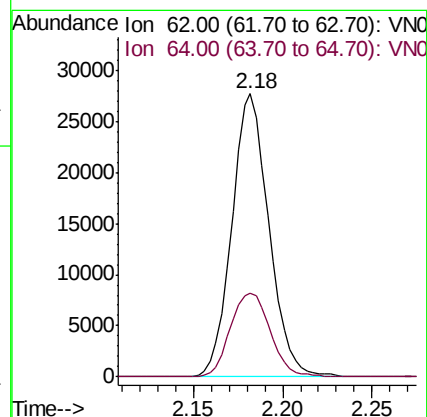
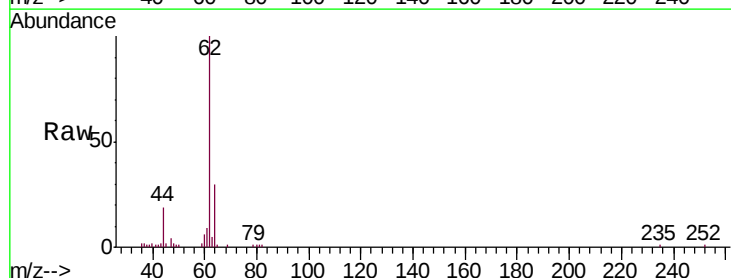
Acq: 28 Aug 2018 12:01

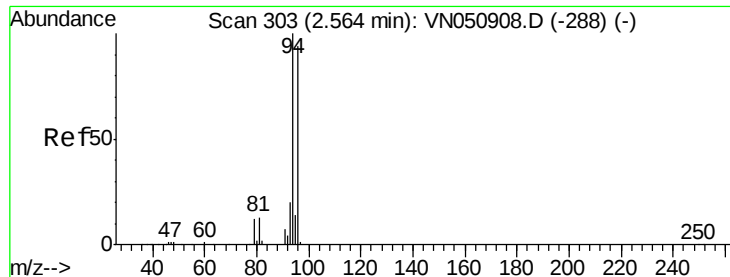
Tgt Ion: 62 Resp: 39999

Ion Ratio Lower Upper

62 100

64 29.8 25.4 38.0





#5

Bromomethane

Concen: 5.335 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

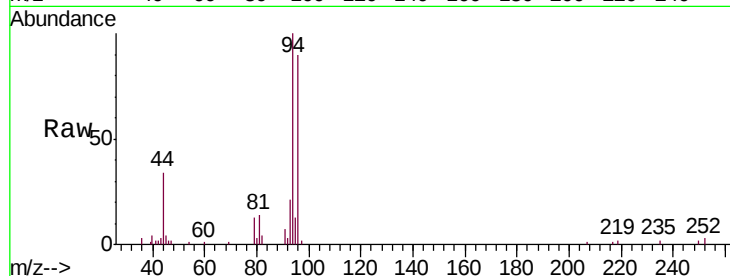
VSTDIC005

Tgt Ion: 94 Resp: 27252

Ion Ratio Lower Upper

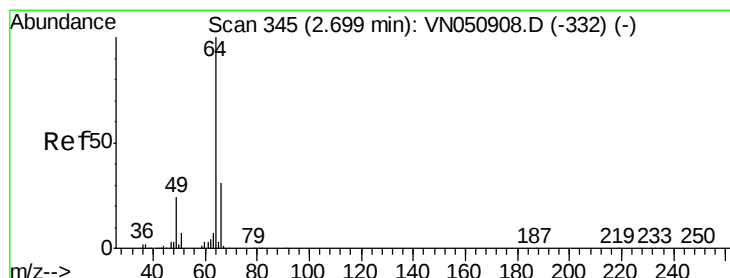
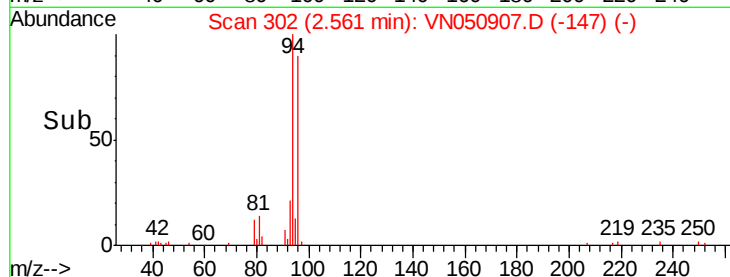
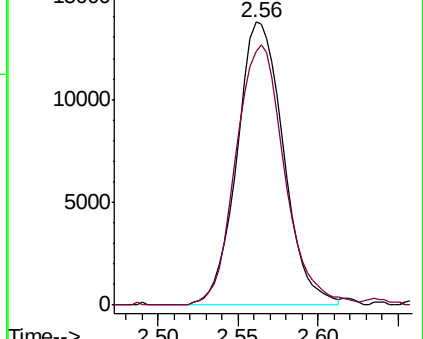
94 100

96 89.8 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN050908.D (-288) (-)

Ion 96.00 (95.70 to 96.70): VN050908.D (-288) (-)



#6

Chloroethane

Concen: 5.134 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050907.D

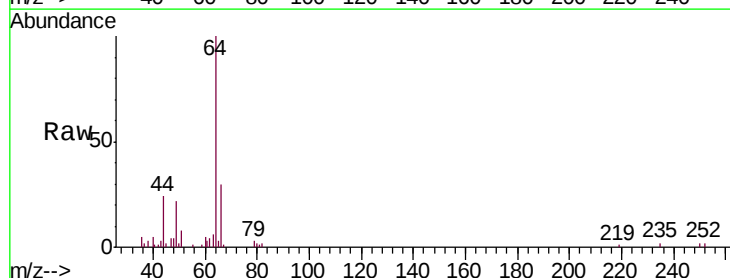
Acq: 28 Aug 2018 12:01

Tgt Ion: 64 Resp: 25375

Ion Ratio Lower Upper

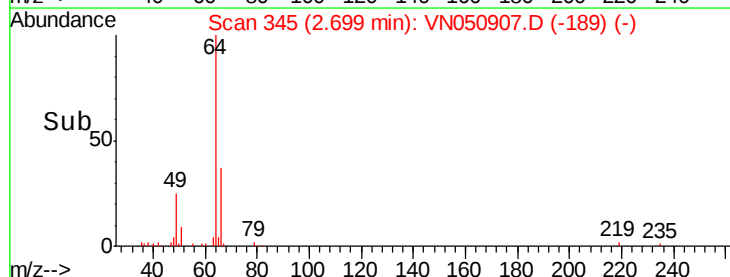
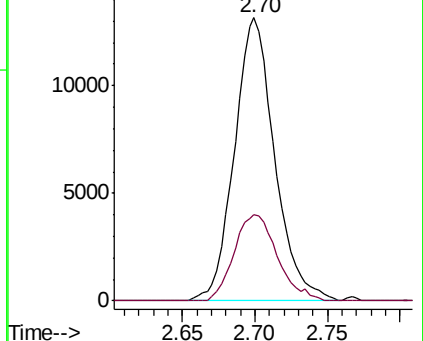
64 100

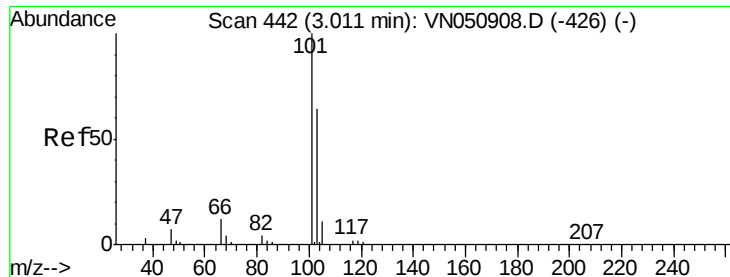
66 30.3 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN050908.D (-332) (-)

Ion 66.00 (65.70 to 66.70): VN050908.D (-332) (-)



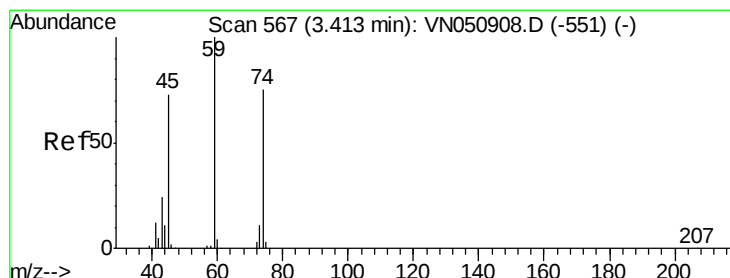
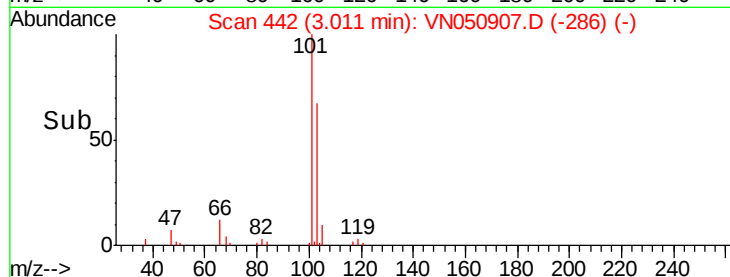
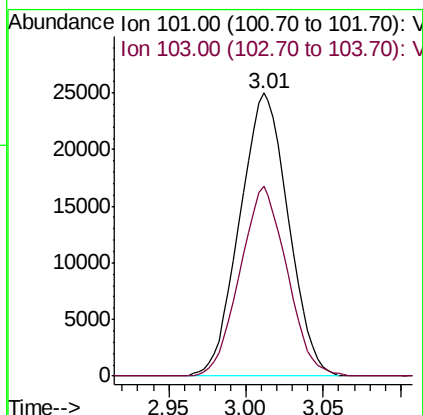
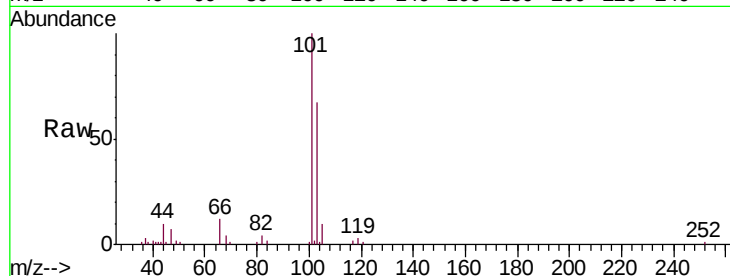


#7

Trichlorofluoromethane
 Concen: 4.910 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

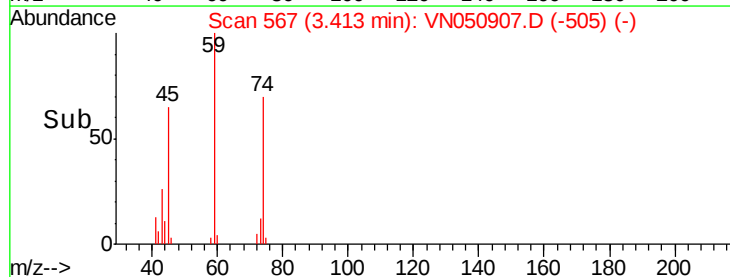
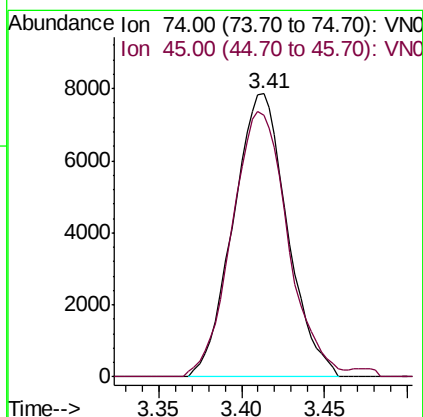
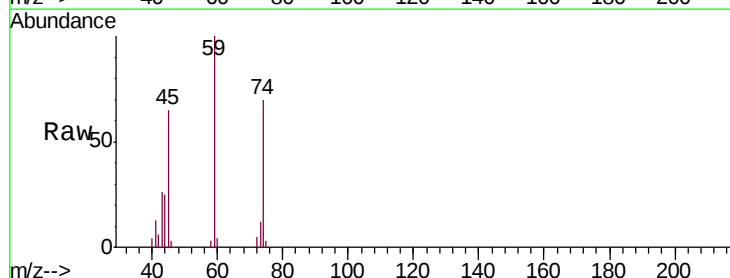
Tgt Ion:101 Resp: 54552
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.3 76.9

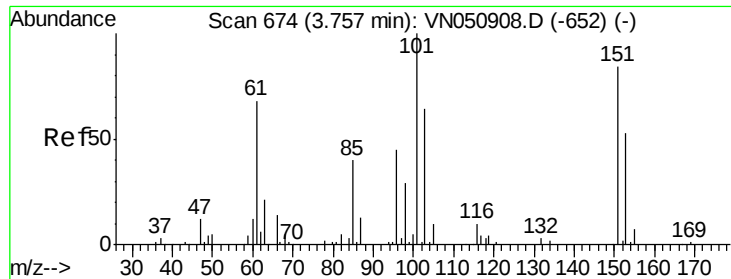


#8

Diethyl Ether
 Concen: 4.553 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 74 Resp: 17832
 Ion Ratio Lower Upper
 74 100
 45 97.5 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.010 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

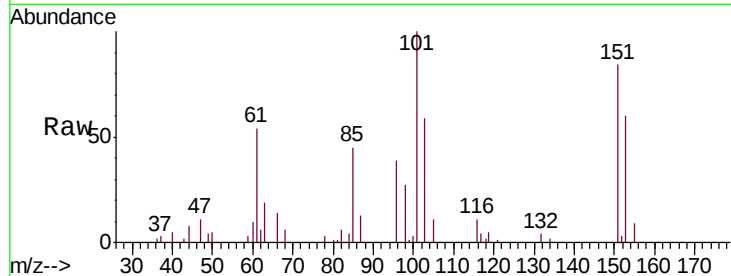
Tgt Ion:101 Resp: 34468

Ion Ratio Lower Upper

101 100

85 44.4 0.0 83.6

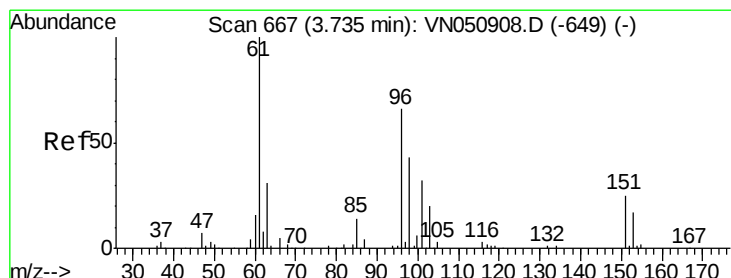
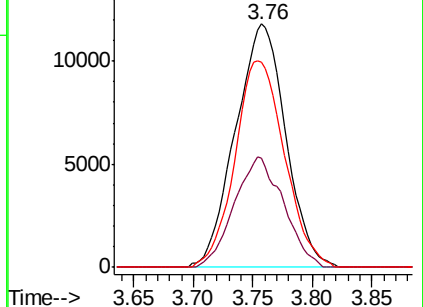
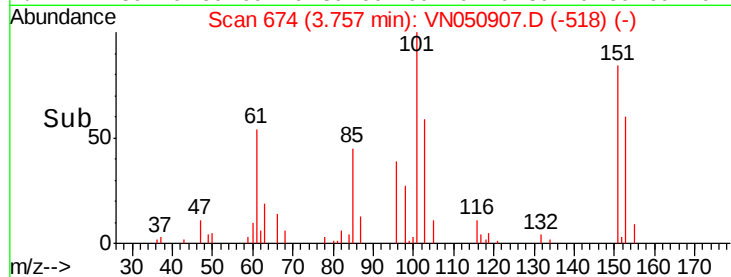
151 83.5 0.0 167.0



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: 4.706 ug/l

RT: 3.73 min Scan# 667

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

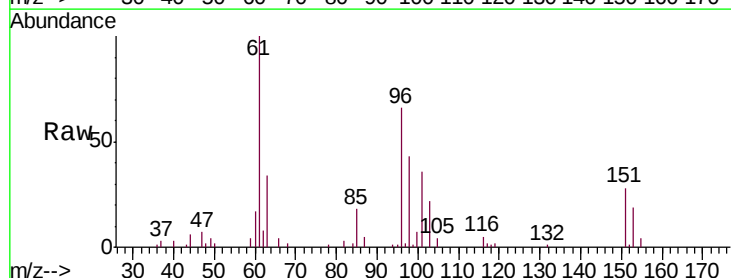
Tgt Ion: 96 Resp: 29407

Ion Ratio Lower Upper

96 100

61 149.6 121.8 182.8

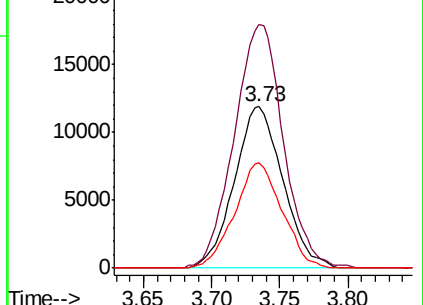
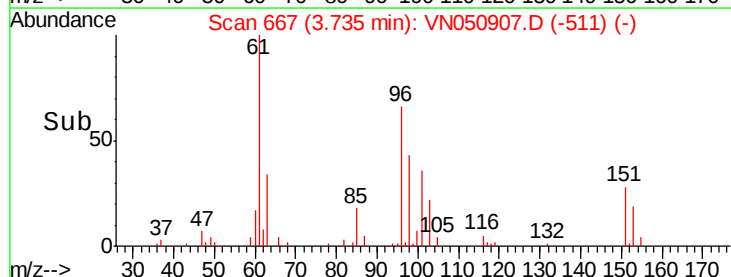
98 65.1 52.3 78.5

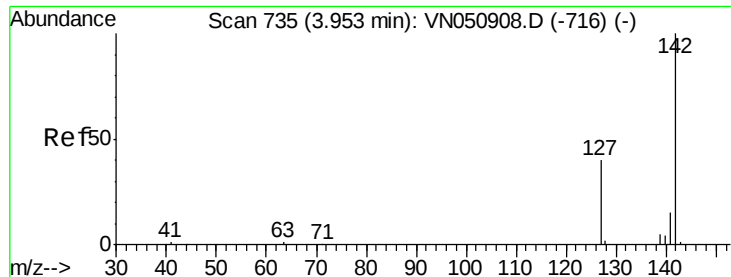


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

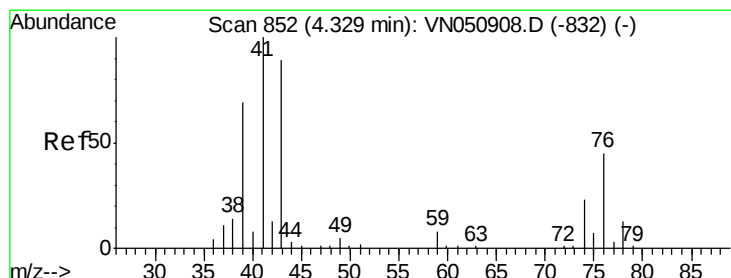
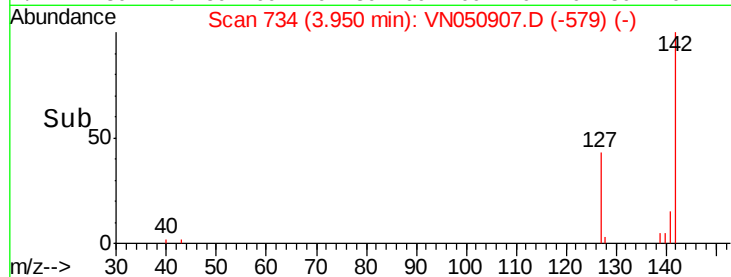
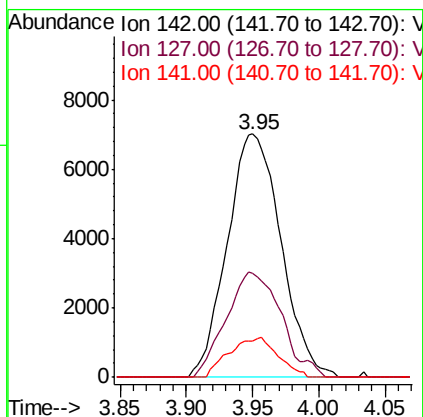
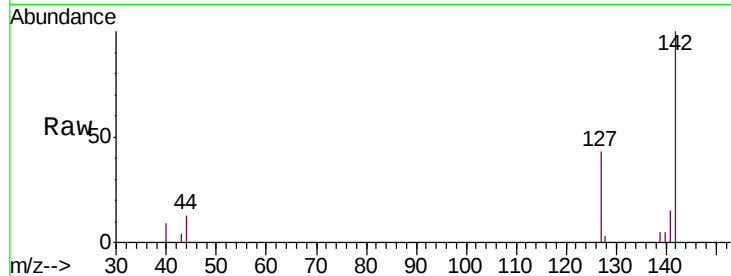




#11
Methyl Iodide
Concen: 3.400 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

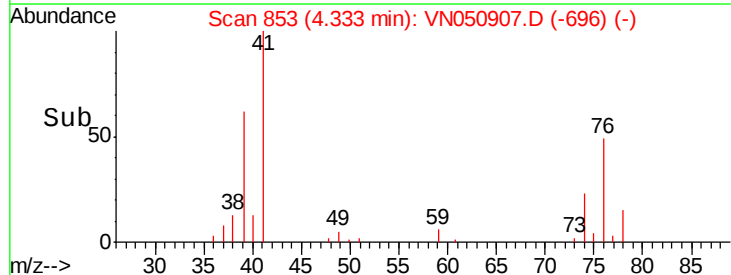
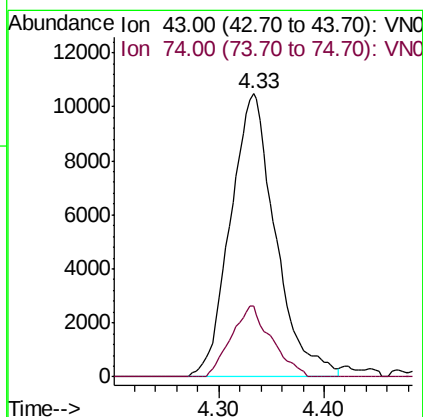
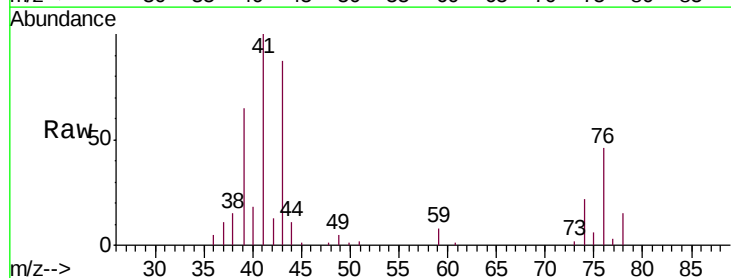
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

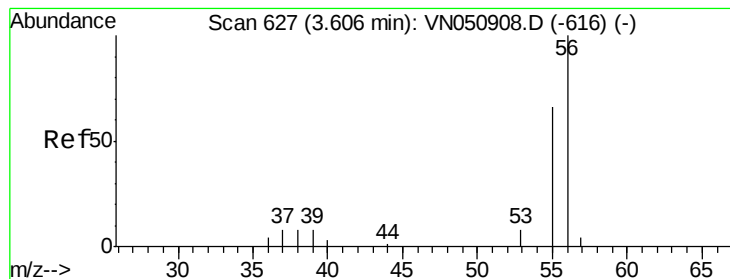
Tgt Ion: 142 Resp: 19825
Ion Ratio Lower Upper
142 100
127 42.9 19.7 59.1
141 15.1 7.3 22.0



#12
Methyl Acetate
Concen: 4.307 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 43 Resp: 31123
Ion Ratio Lower Upper
43 100
74 25.5 20.6 31.0





#13

Acrolein

Concen: 35.971 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

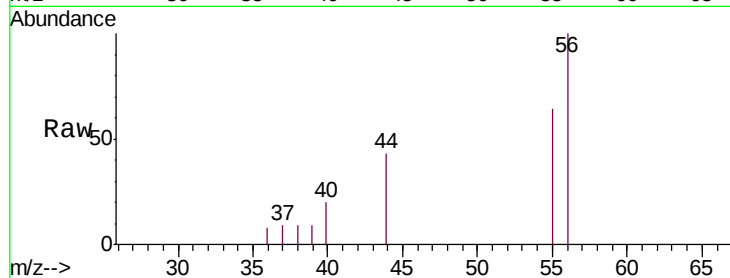
VSTDIC005

Tgt Ion: 56 Resp: 5756

Ion Ratio Lower Upper

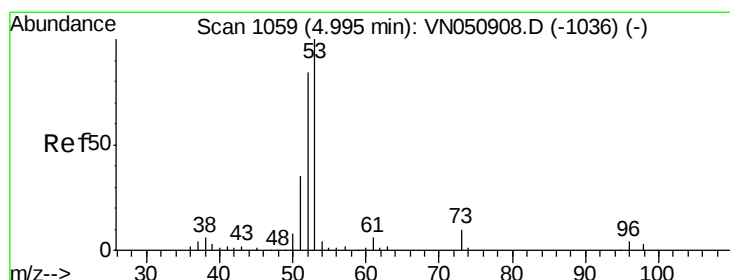
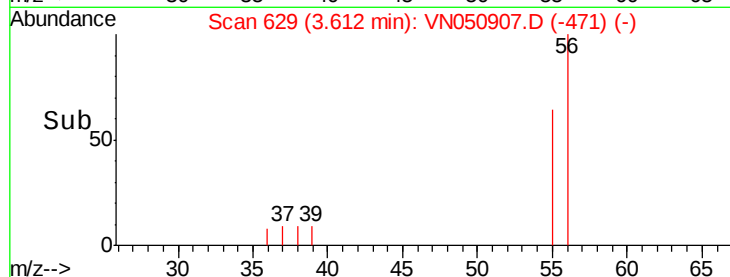
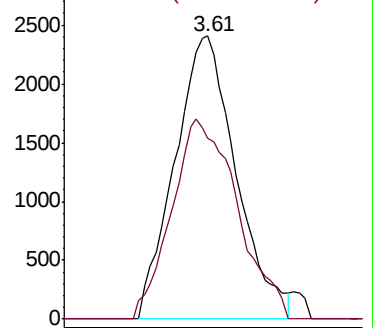
56 100

55 75.7 59.1 88.7



Abundance Ion 56.00 (55.70 to 56.70): VN050908.D (-616) (-)

Ion 55.00 (54.70 to 55.70): VN050908.D (-616) (-)



#14

Acrylonitrile

Concen: 22.109 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

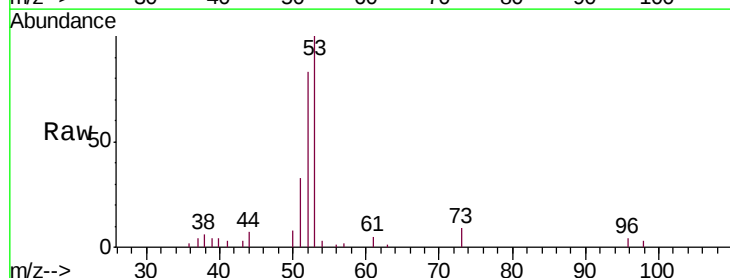
Tgt Ion: 53 Resp: 54019

Ion Ratio Lower Upper

53 100

52 82.8 42.2 126.6

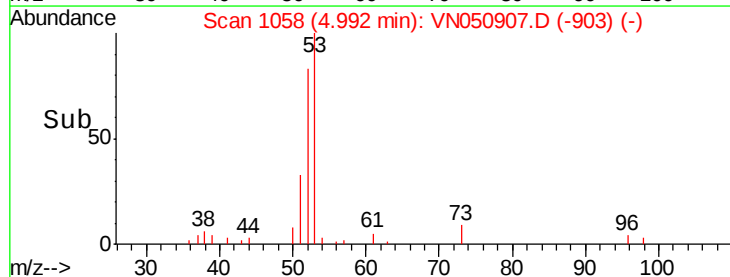
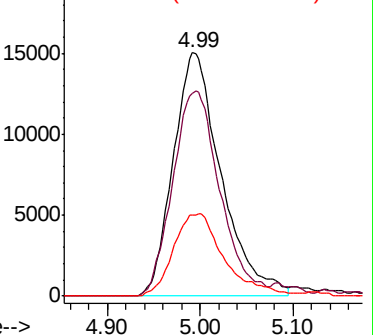
51 16.2 17.7 53.1#

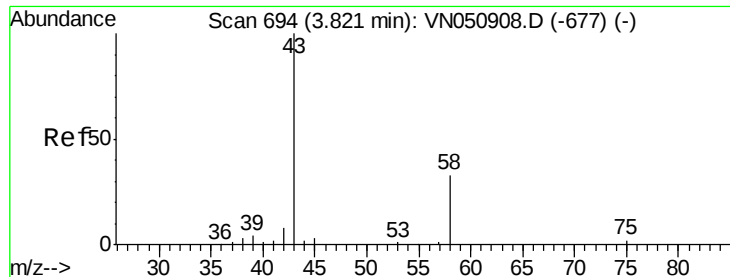


Abundance Ion 53.00 (52.70 to 53.70): VN050908.D (-1036) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-1036) (-)

Ion 51.00 (50.70 to 51.70): VN050908.D (-1036) (-)





#15

Acetone

Concen: 30.099 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

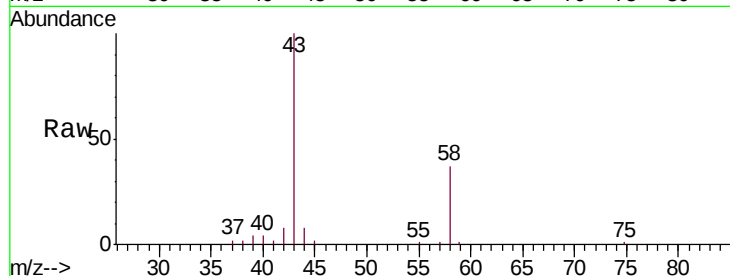
VSTDIC005

Tgt Ion: 58 Resp: 18819

Ion Ratio Lower Upper

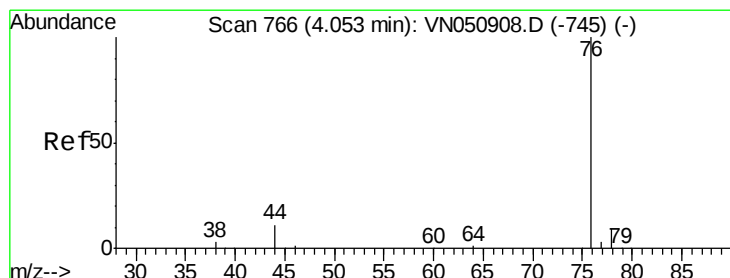
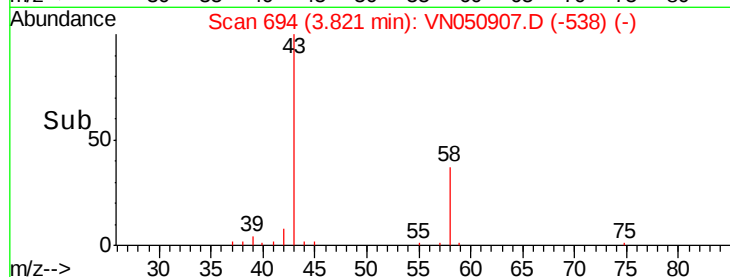
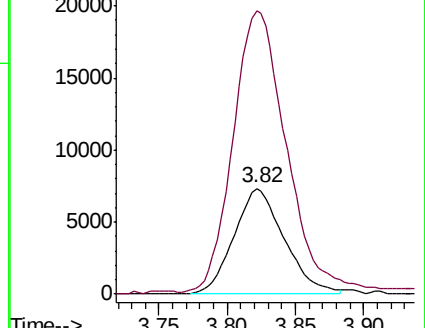
58 100

43 264.0 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN050908.D (-677) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-677) (-)



#16

Carbon Disulfide

Concen: 4.913 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050907.D

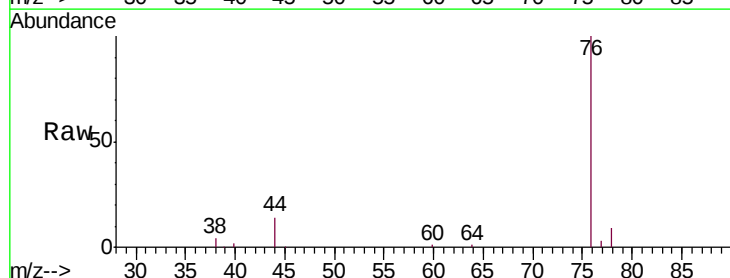
Acq: 28 Aug 2018 12:01

Tgt Ion: 76 Resp: 92322

Ion Ratio Lower Upper

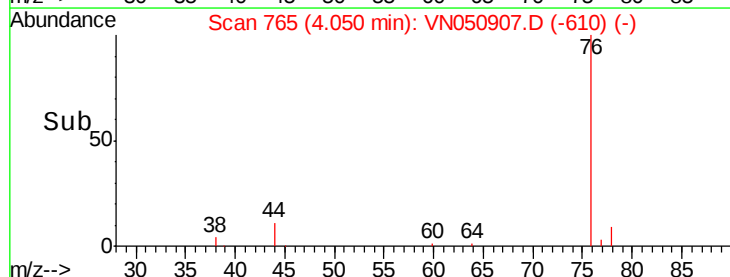
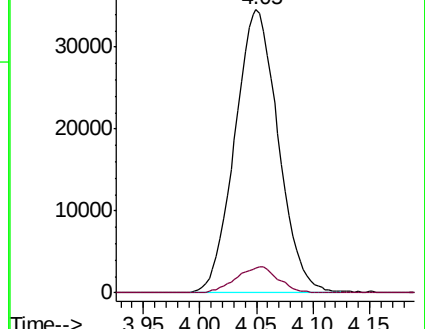
76 100

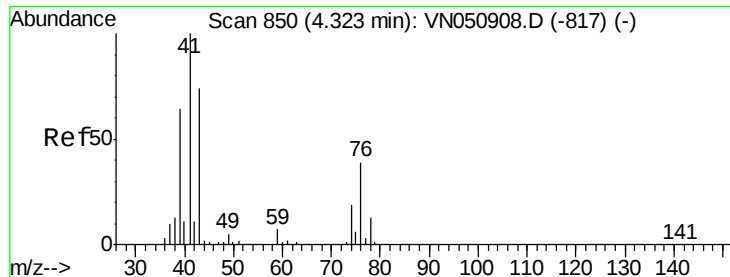
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)

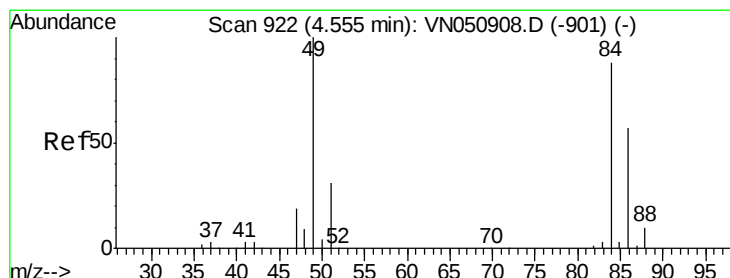
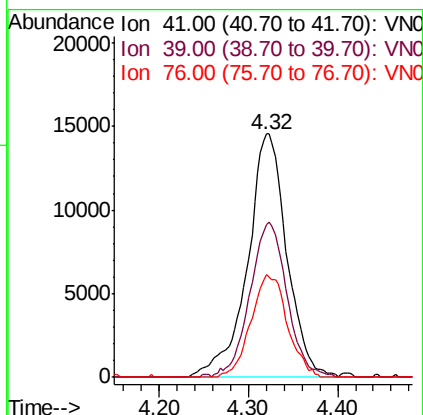
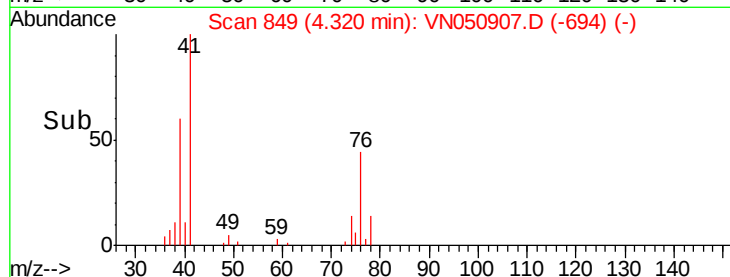
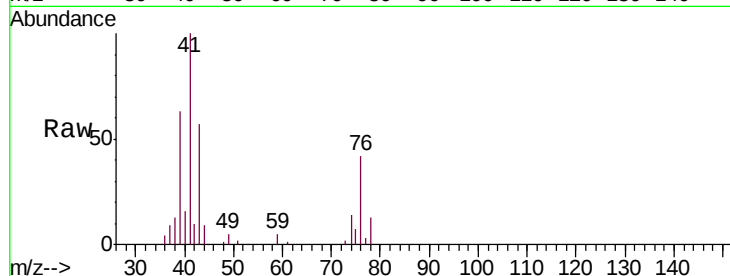




#17
 Allyl chloride
 Concen: 4.536 ug/l
 RT: 4.32 min Scan# 849
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

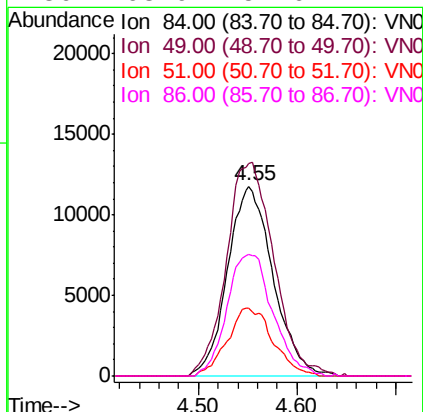
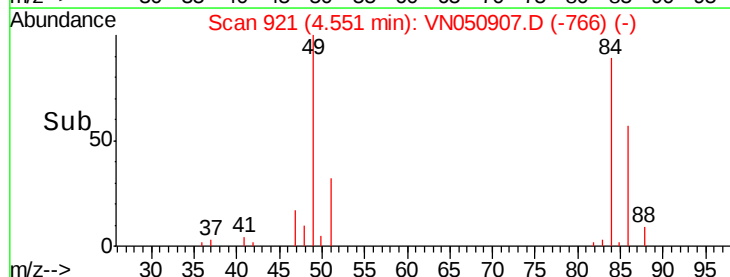
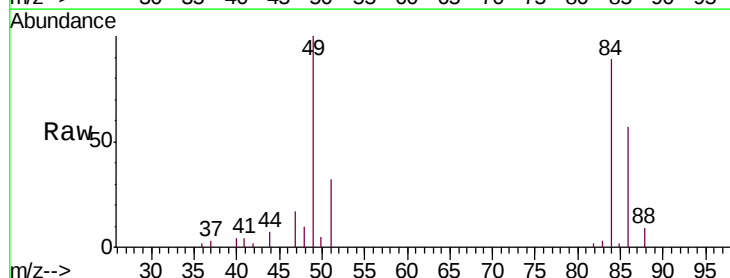
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

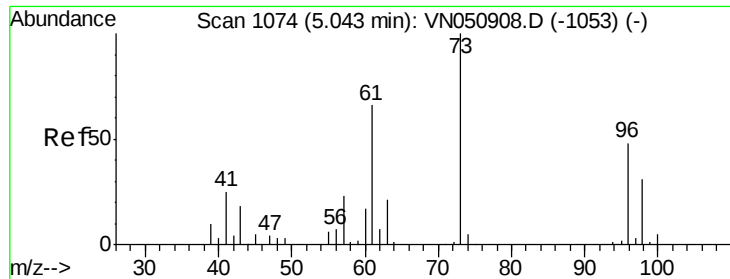
Tgt Ion: 41 Resp: 44606
 Ion Ratio Lower Upper
 41 100
 39 63.0 32.2 96.6
 76 42.4 19.6 58.7



#18
 Methylene Chloride
 Concen: 5.140 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 84 Resp: 37702
 Ion Ratio Lower Upper
 84 100
 49 112.1 90.6 135.8
 51 35.7 28.4 42.6
 86 63.9 51.6 77.4

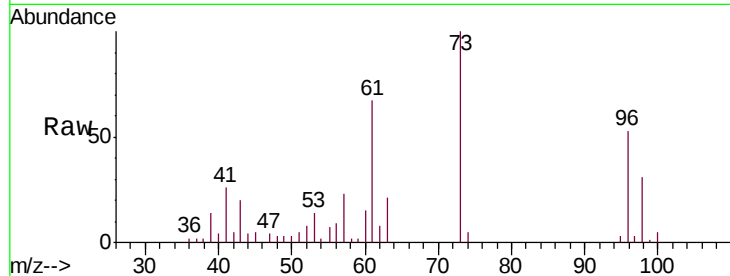




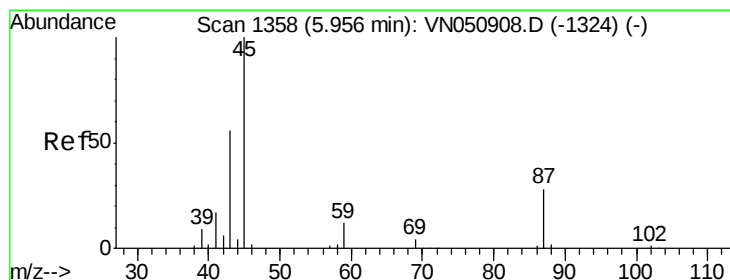
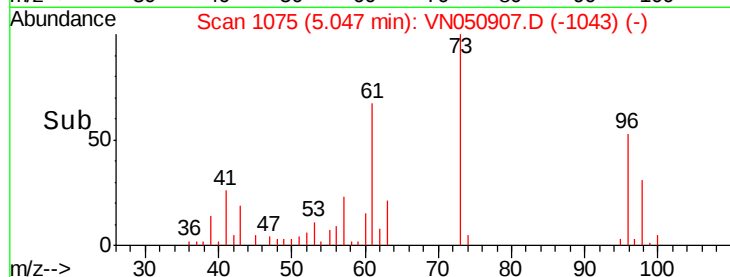
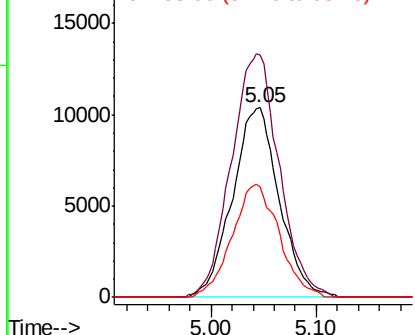
#19
trans-1,2-Dichloroethene
Concen: 4.820 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 32094
Ion Ratio Lower Upper
96 100
61 127.6 109.5 164.3
98 58.1 51.9 77.9

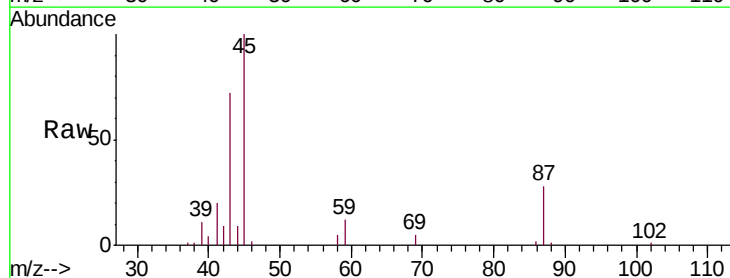


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

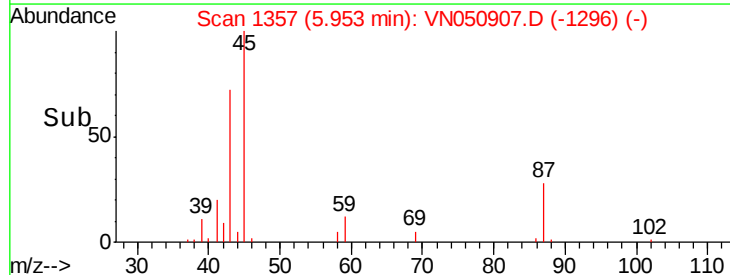
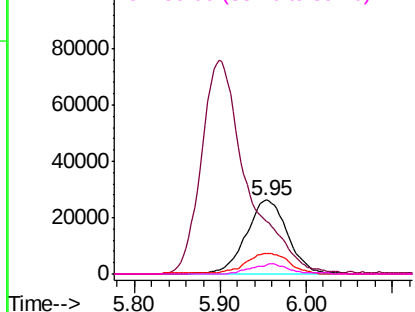


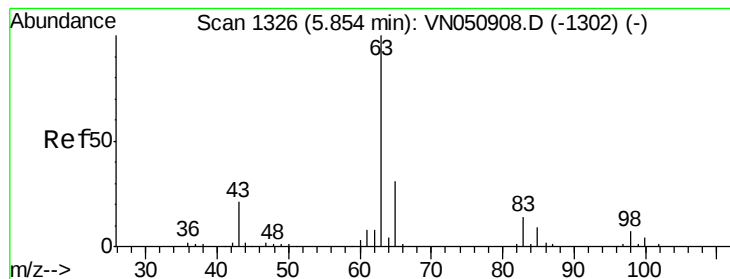
#20
Diisopropyl ether
Concen: 4.329 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 45 Resp: 88369
Ion Ratio Lower Upper
45 100
43 69.3 47.0 70.6
87 28.5 22.8 34.2
59 12.0 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: 4.952 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

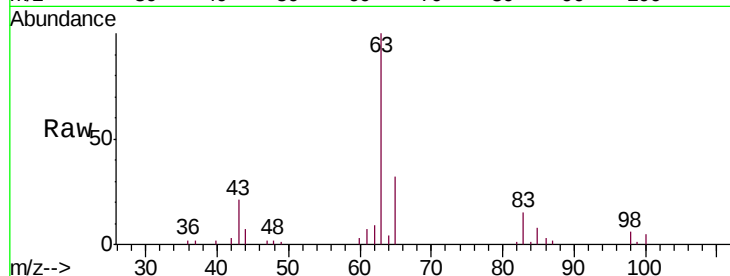
Tgt Ion: 63 Resp: 61975

Ion Ratio Lower Upper

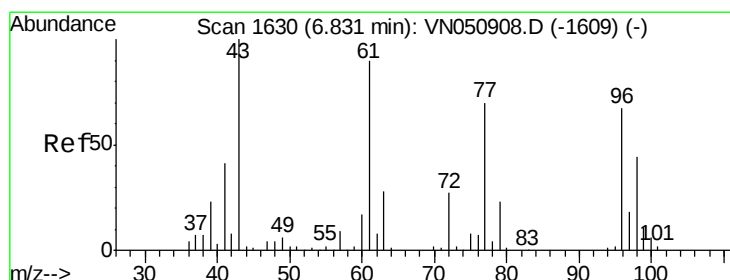
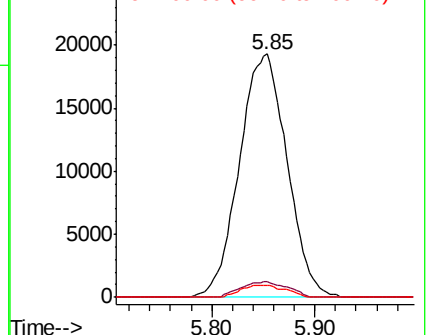
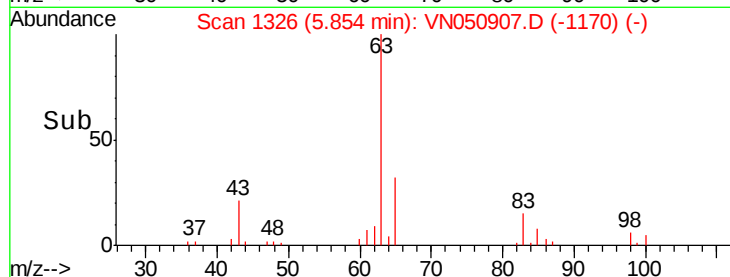
63 100

98 6.3 3.3 9.9

100 5.1 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN050907.D (-1170) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.738 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

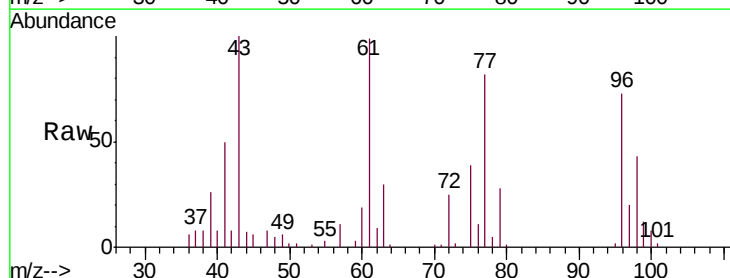
Tgt Ion: 96 Resp: 35635

Ion Ratio Lower Upper

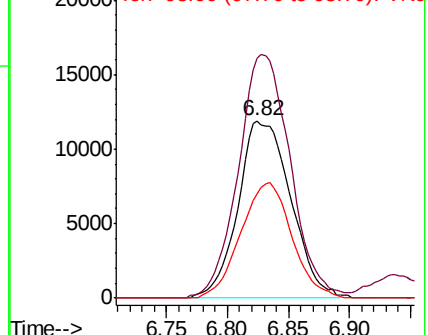
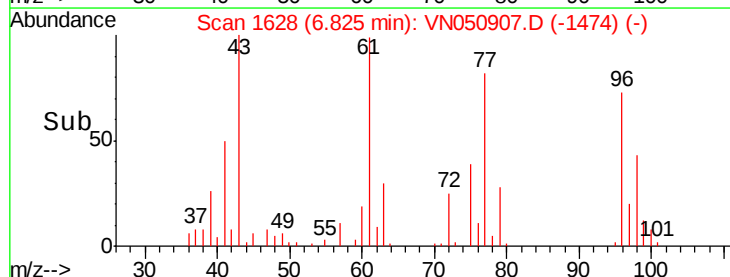
96 100

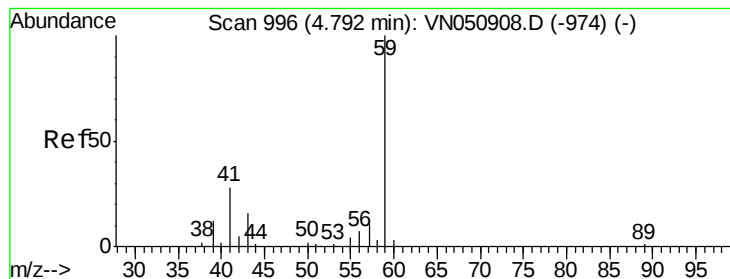
61 135.4 110.0 165.0

98 63.1 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN050907.D (-1474) (-)





#23

tert-Butyl Alcohol

Concen: 21.718 ug/l

RT: 4.80 min Scan# 998

Delta R.T. 0.01 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

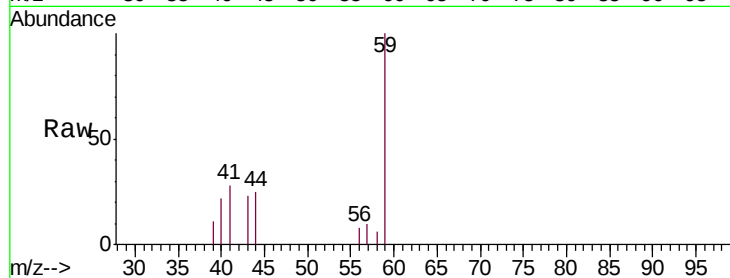
VSTDIC005

Tgt Ion: 59 Resp: 11285

Ion Ratio Lower Upper

59 100

52 396.4 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-974) (-)

4.80

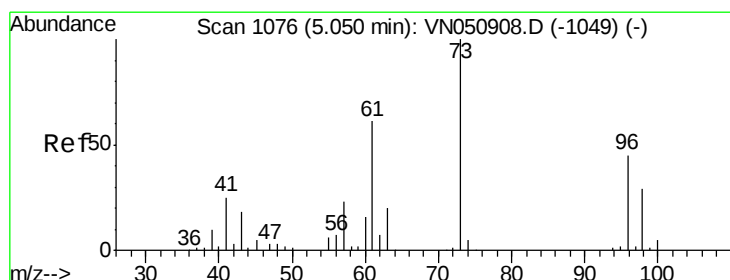
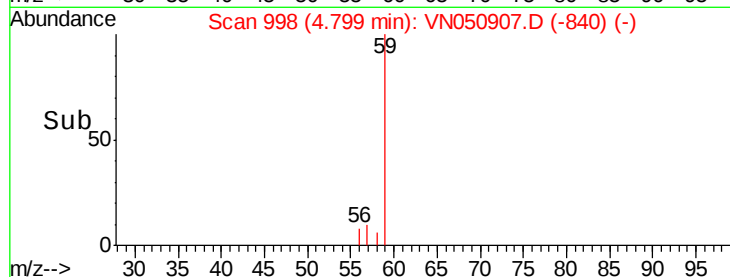
3000

2000

1000

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 4.265 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050907.D

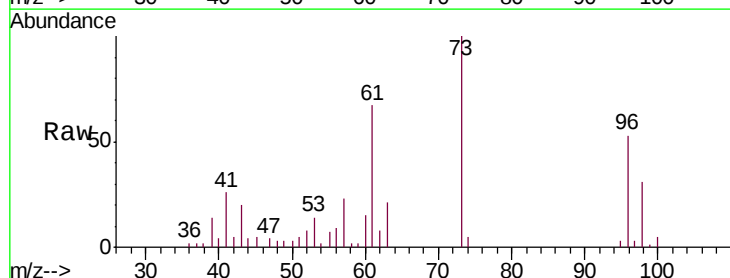
Acq: 28 Aug 2018 12:01

Tgt Ion: 73 Resp: 72908

Ion Ratio Lower Upper

73 100

43 20.1 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN050908.D (-1049) (-)

Ion 43.00 (42.70 to 43.70): VN050908.D (-1049) (-)

5.05

20000

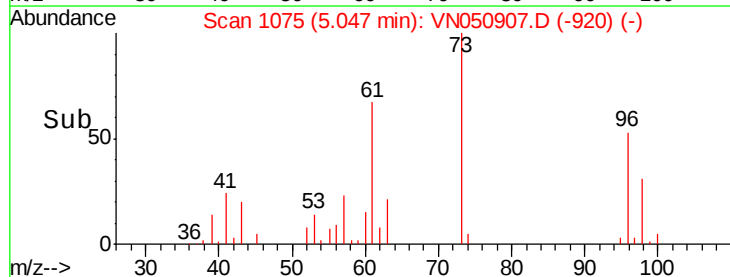
15000

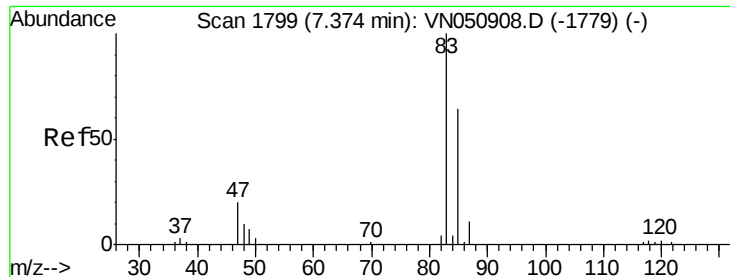
10000

5000

0

Time-->

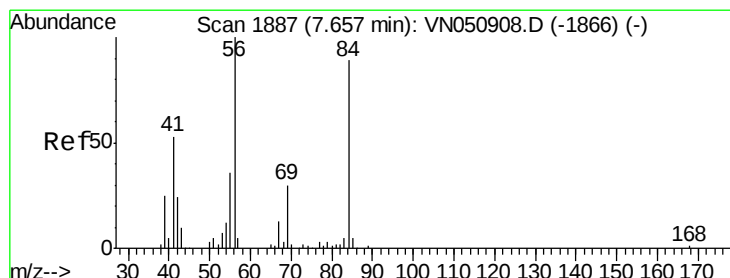
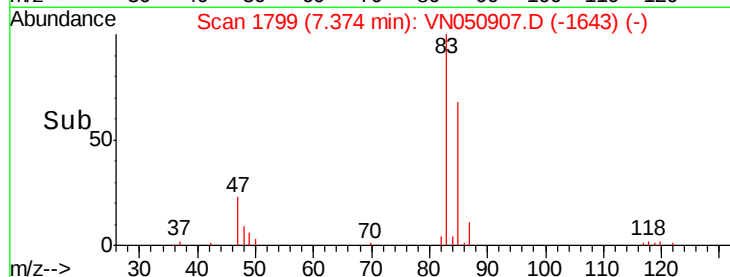
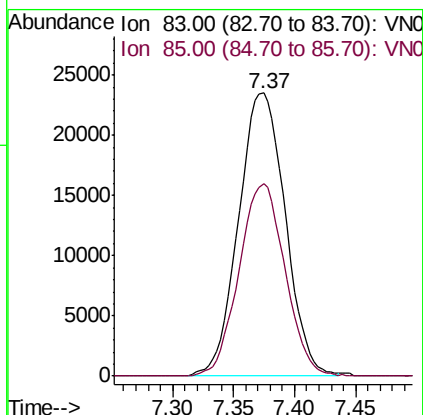
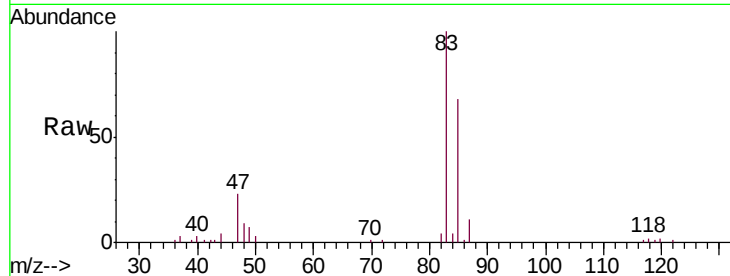




#25
Chloroform
Concen: 5.004 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

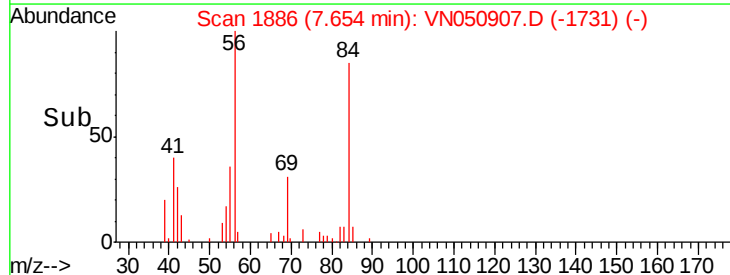
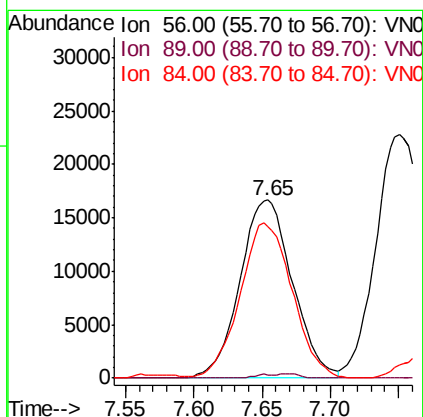
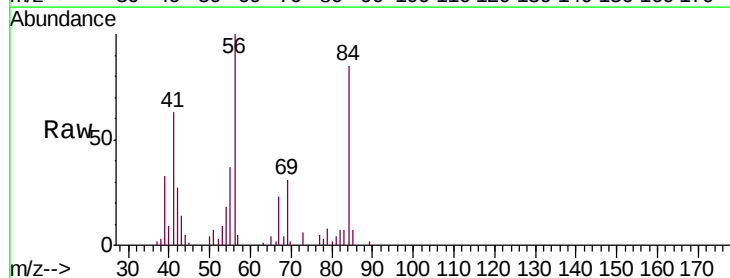
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

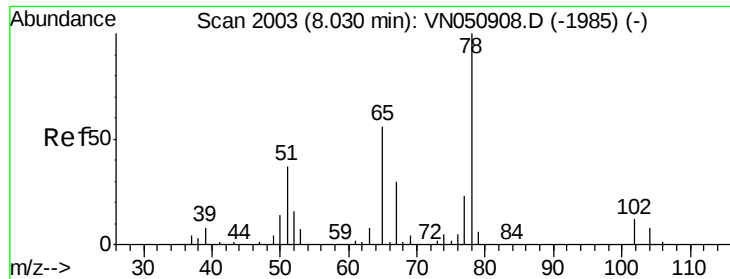
Tgt Ion: 83 Resp: 62506
Ion Ratio Lower Upper
83 100
85 67.8 51.4 77.0



#26
Cyclohexane
Concen: 4.296 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 56 Resp: 44540
Ion Ratio Lower Upper
56 100
89 0.7 0.4 0.6#
84 86.4 70.4 105.6





#27

1,2-Dichloroethane-d4

Concen: 30.123 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

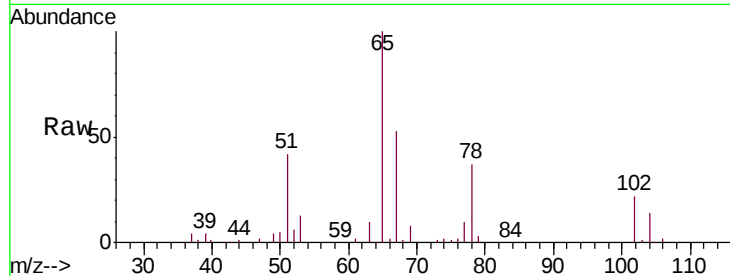
VSTDIC005

Tgt Ion: 65 Resp: 222327

Ion Ratio Lower Upper

65 100

67 54.9 43.7 65.5



Abundance Ion 65.00 (64.70 to 65.70): VN050908.D (-1985) (-)

Ion 67.00 (66.70 to 67.70): VN050908.D (-1985) (-)

8.03

100000

80000

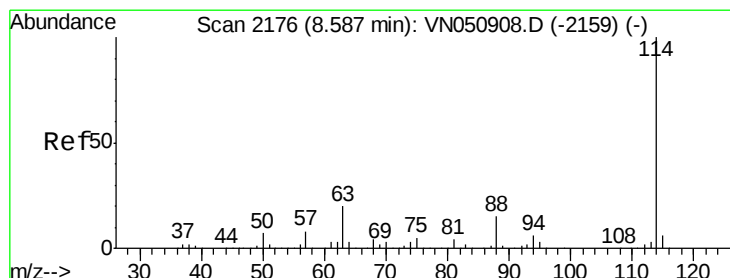
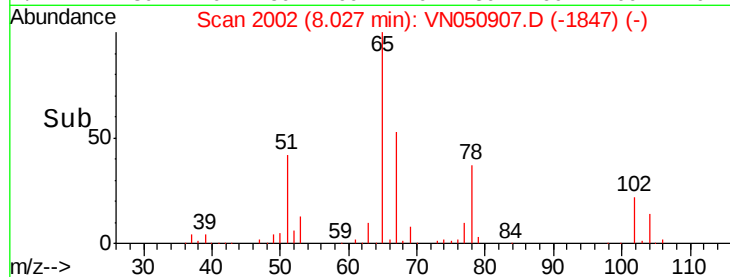
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

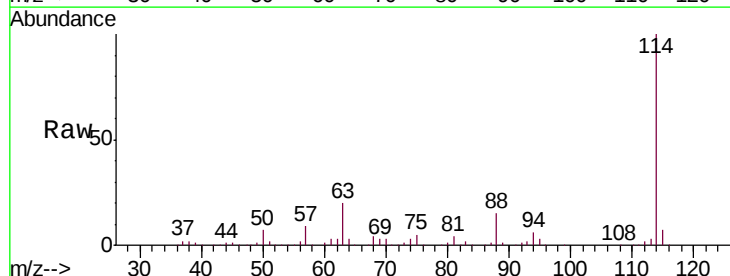
Tgt Ion: 114 Resp: 596374

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

88 15.4 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN050908.D (-2159) (-)

Ion 63.00 (62.70 to 63.70): VN050908.D (-2159) (-)

Ion 88.00 (87.70 to 88.70): VN050908.D (-2159) (-)

8.59

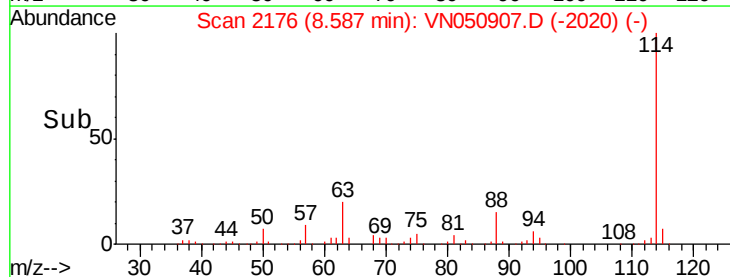
300000

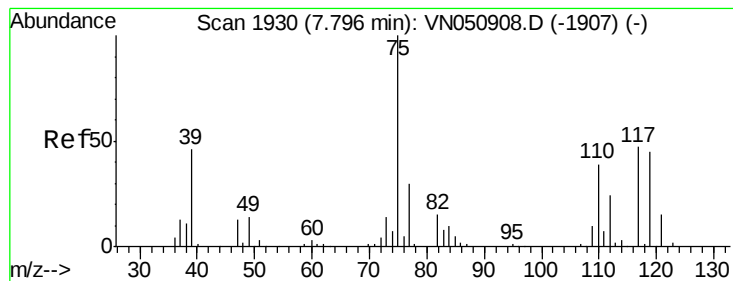
200000

100000

0

Time-->





#29

1,1-Dichloropropene

Concen: 4.706 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

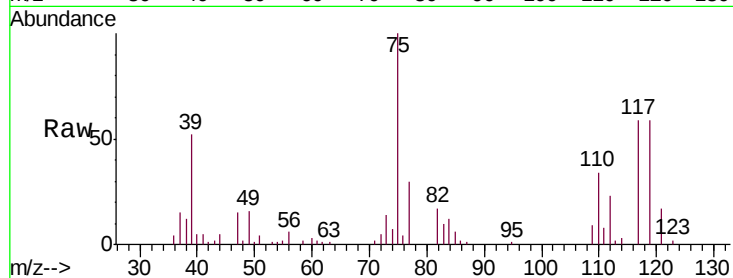
Tgt Ion: 75 Resp: 42016

Ion Ratio Lower Upper

75 100

110 35.5 0.0 75.0

77 30.0 0.0 60.6

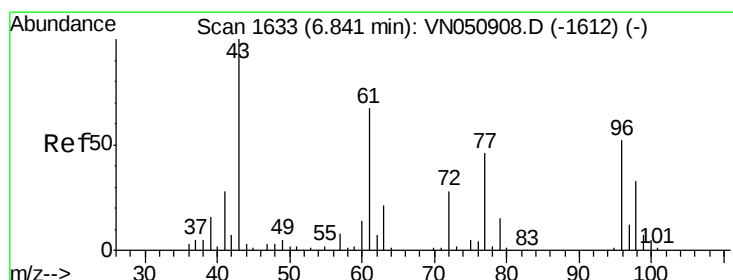
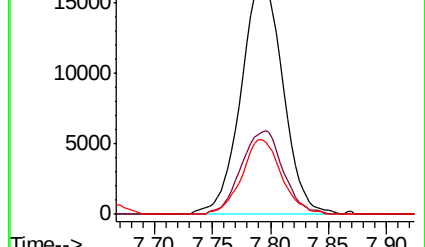
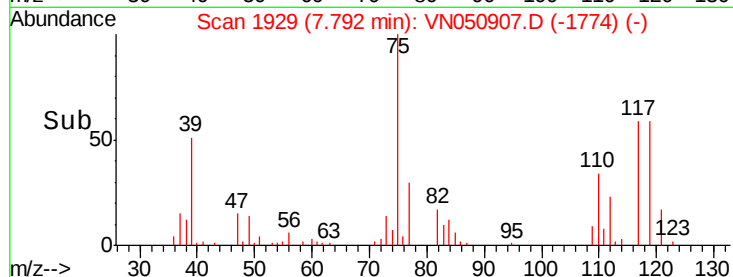


Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-1907) (-)

Ion 110.00 (109.70 to 110.70): VN050908.D (-1907) (-)

Ion 77.00 (76.70 to 77.70): VN050908.D (-1907) (-)

Time-->



#30

2-Butanone

Concen: 27.820 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

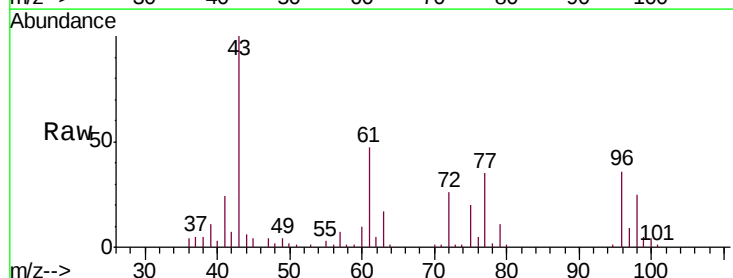
Tgt Ion: 43 Resp: 76411

Ion Ratio Lower Upper

43 100

57 4.4 6.9 10.3#

72 26.8 22.8 34.2

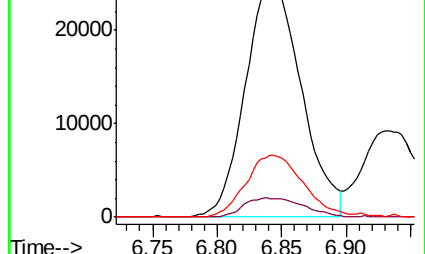
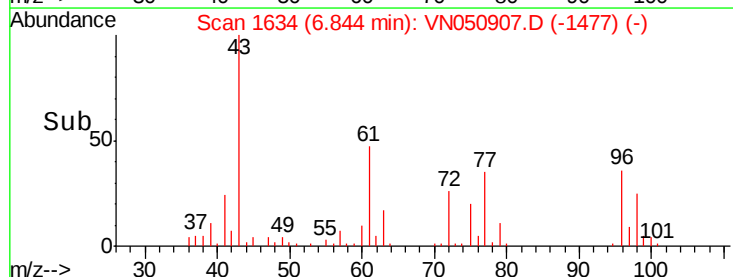


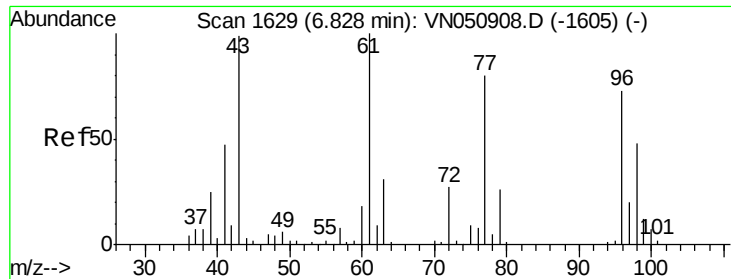
Abundance Ion 43.00 (42.70 to 43.70): VN050908.D (-1612) (-)

Ion 57.00 (56.70 to 57.70): VN050908.D (-1612) (-)

Ion 72.00 (71.70 to 72.70): VN050908.D (-1612) (-)

Time-->

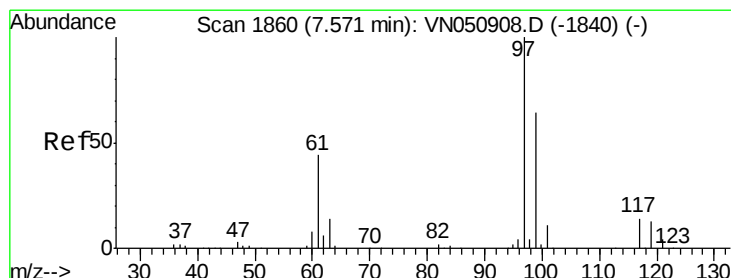
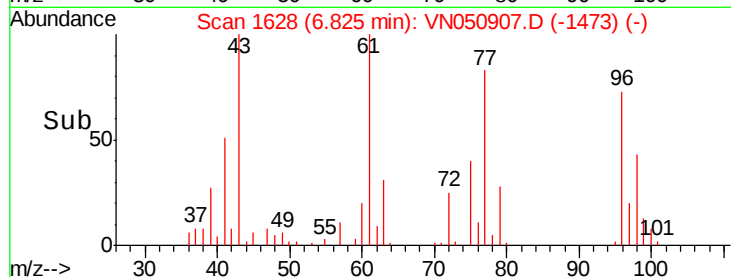
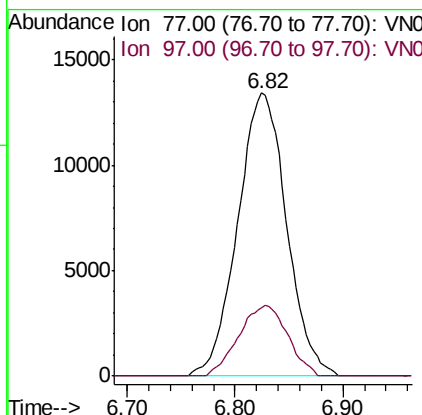
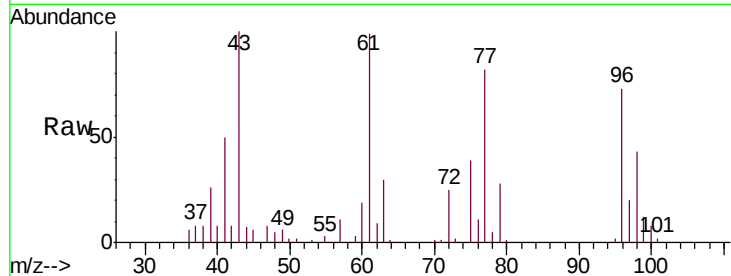




#31
 2,2-Dichloropropane
 Concen: 4.864 ug/l
 RT: 6.82 min Scan# 1628
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

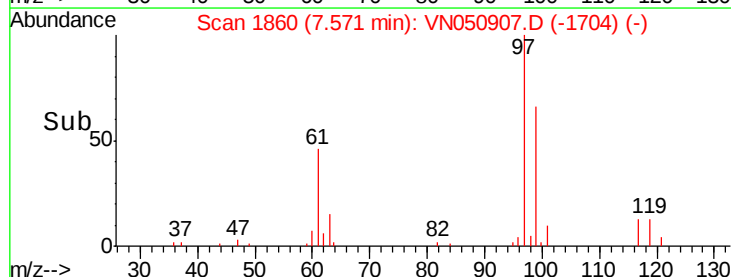
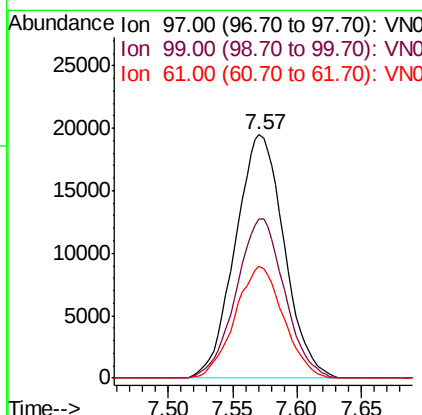
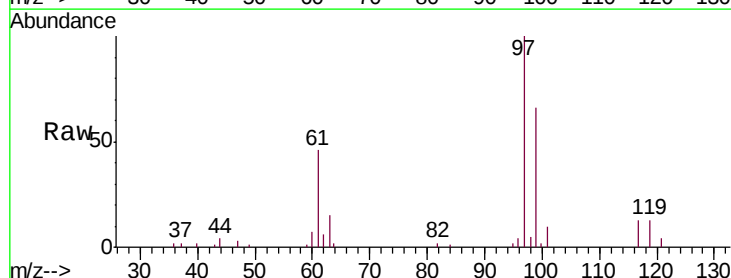
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

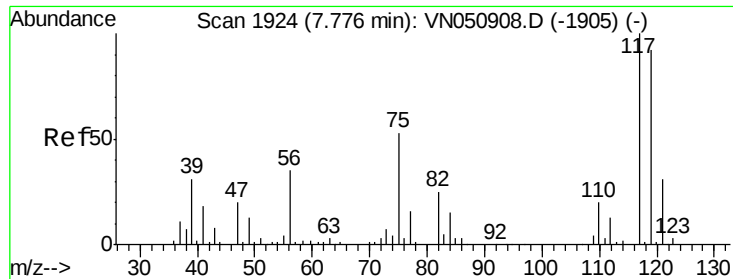
Tgt Ion: 77 Resp: 42257
 Ion Ratio Lower Upper
 77 100
 97 24.9 20.2 30.2



#32
 1,1,1-Trichloroethane
 Concen: 5.082 ug/l
 RT: 7.57 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 97 Resp: 51455
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.0 78.0
 61 45.3 35.0 52.6

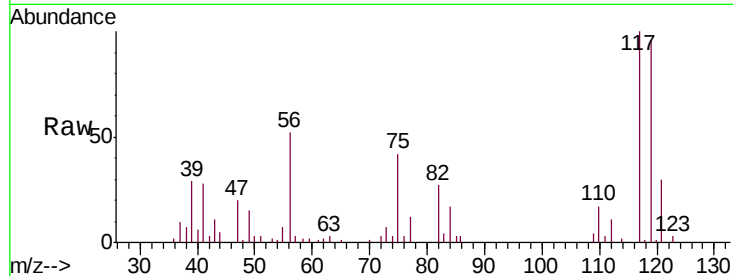




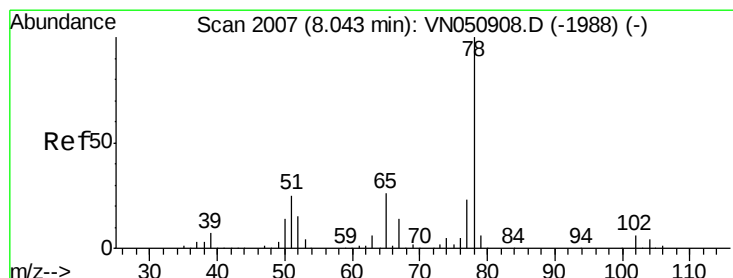
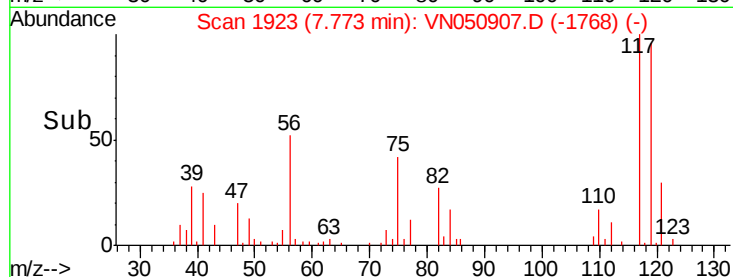
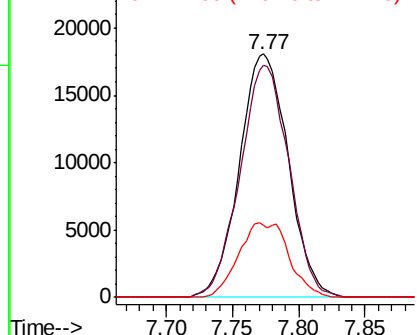
#33
Carbon Tetrachloride
Concen: 5.084 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 46353
Ion Ratio Lower Upper
117 100
119 95.5 73.5 110.3
121 29.6 24.6 37.0

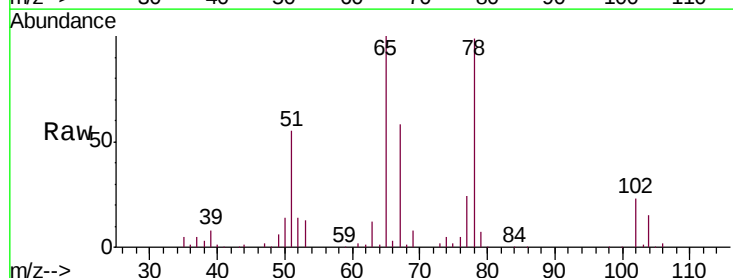


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

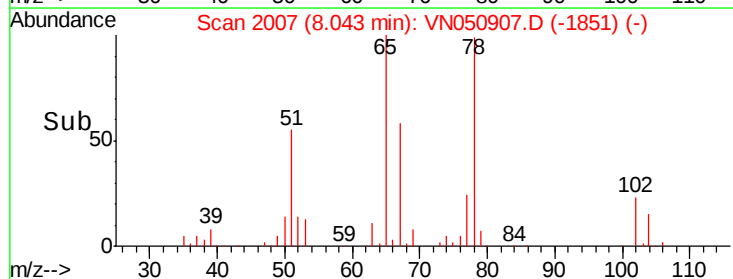
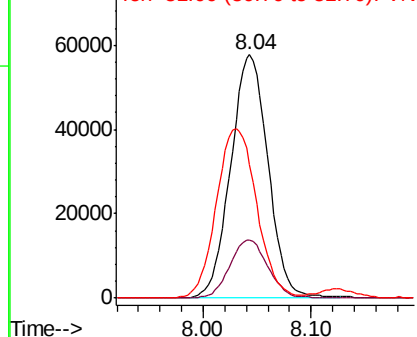


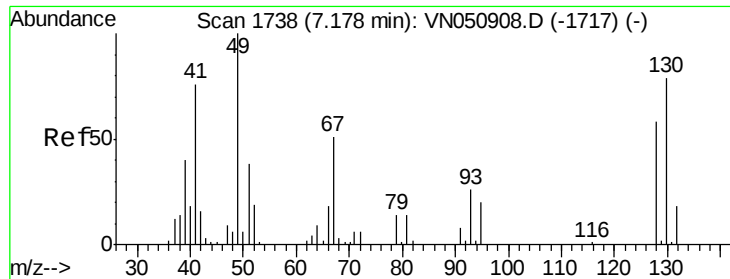
#34
Benzene
Concen: 5.049 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 78 Resp: 139442
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
51 52.9 20.0 30.0#



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

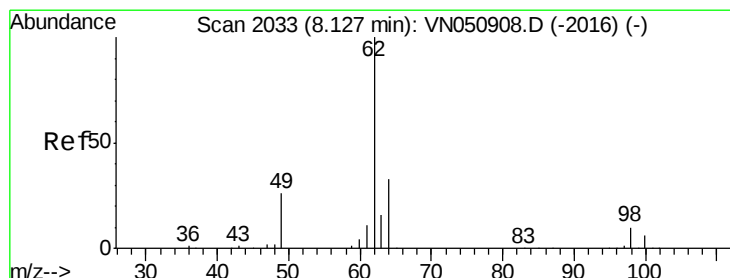
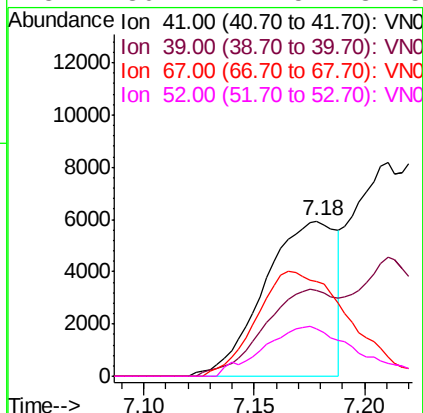
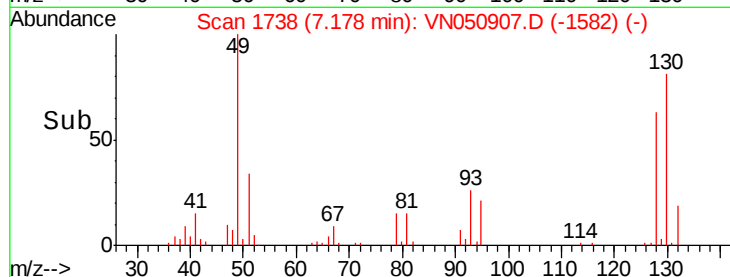
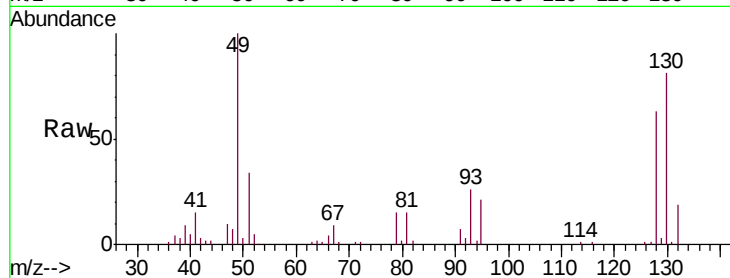




#35
Methacrylonitrile
Concen: 4.474 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

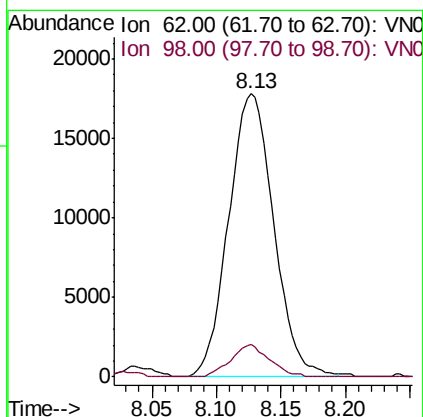
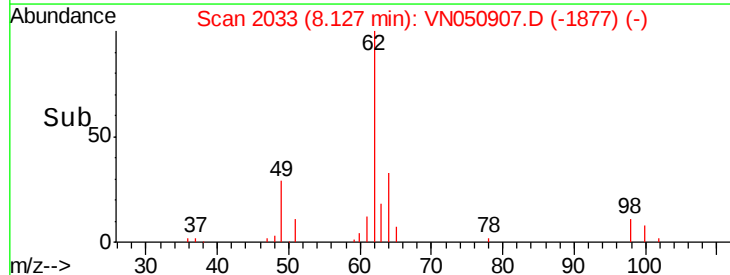
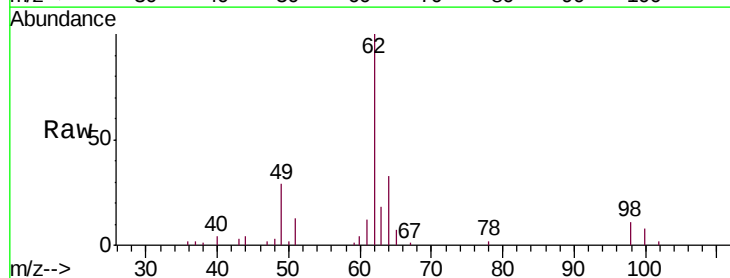
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

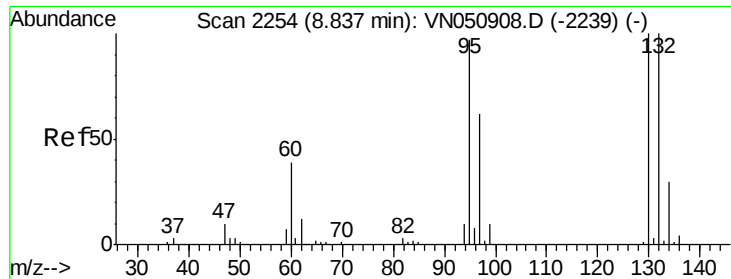
Tgt Ion: 41 Resp: 13464
Ion Ratio Lower Upper
41 100
39 55.6 26.2 78.5
67 60.8 33.9 101.6
52 30.4 12.5 37.5



#36
1,2-Dichloroethane
Concen: 5.185 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 62 Resp: 43310
Ion Ratio Lower Upper
62 100
98 9.8 8.0 12.0

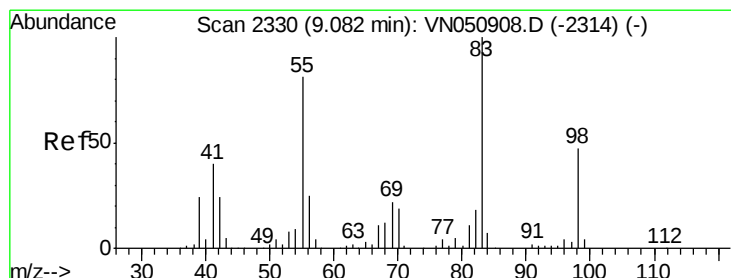
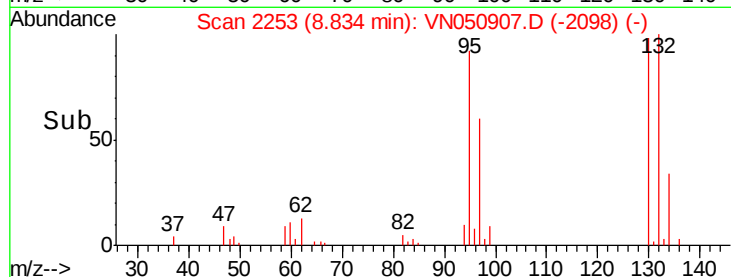
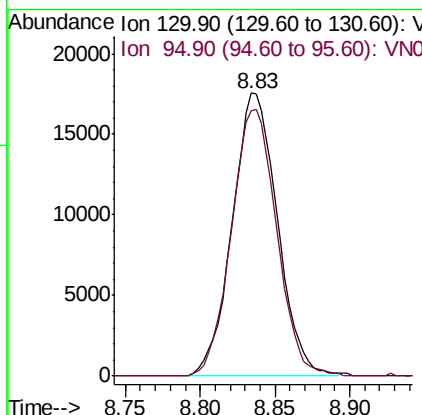
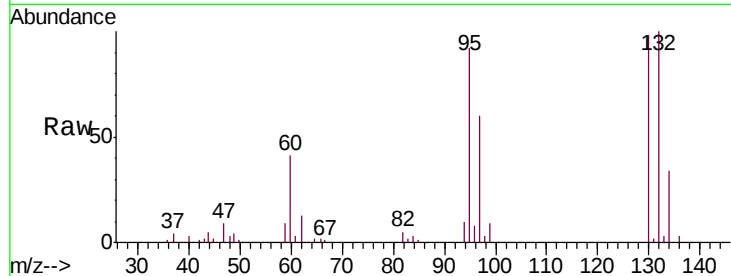




#37
 Trichloroethene
 Concen: 5.106 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

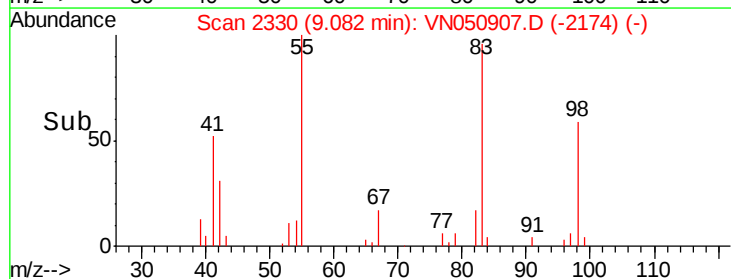
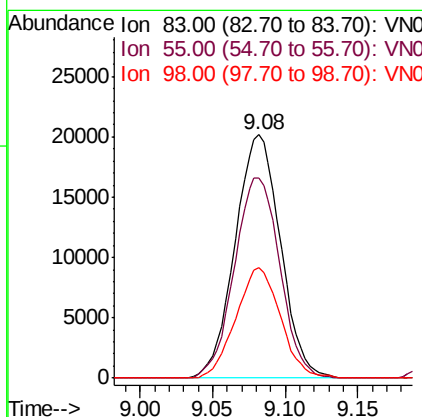
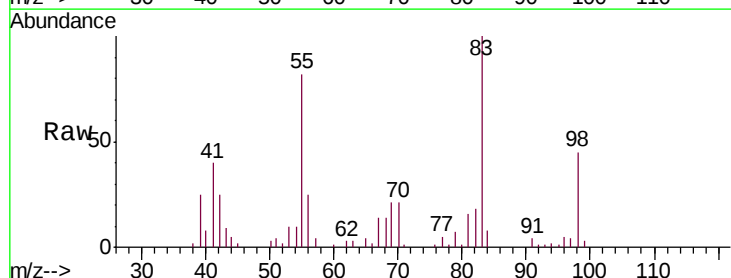
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

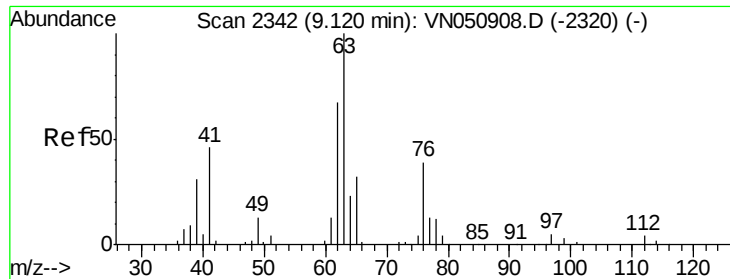
Tgt Ion: 130 Resp: 36859
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0



#38
 Methylcyclohexane
 Concen: 4.579 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 83 Resp: 43913
 Ion Ratio Lower Upper
 83 100
 55 82.3 38.9 116.7
 98 44.7 22.9 68.7

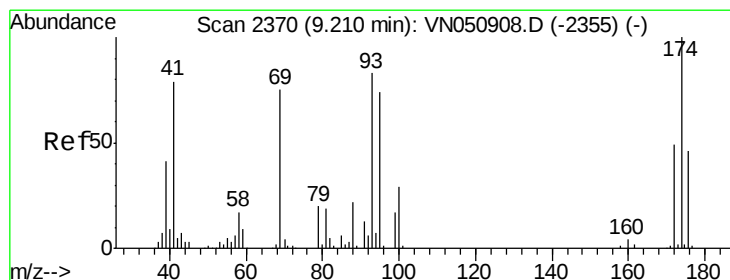
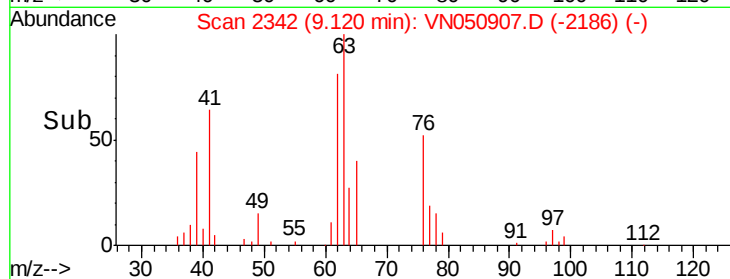
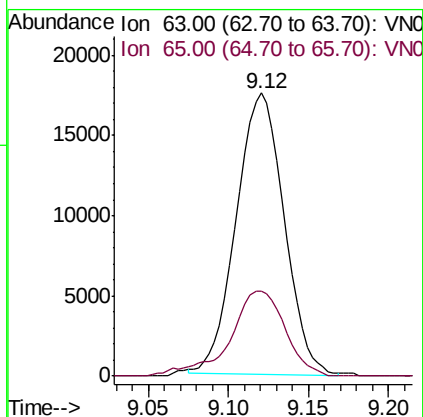
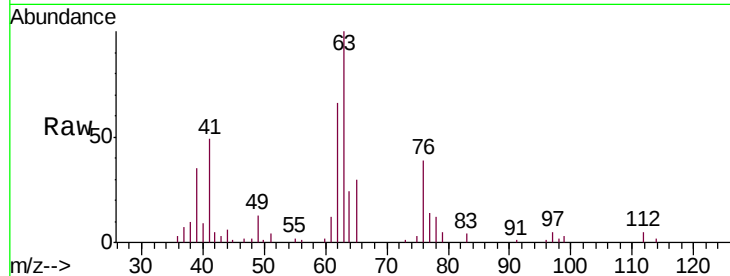




#39
 1,2-Dichloropropane
 Concen: 4.983 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

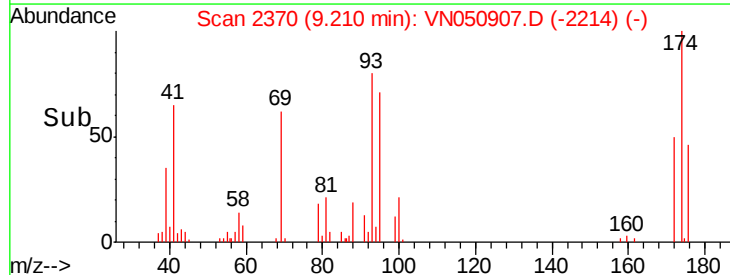
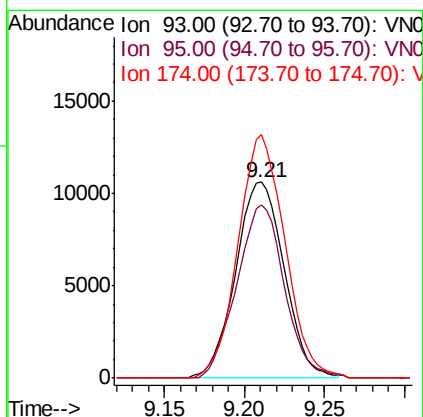
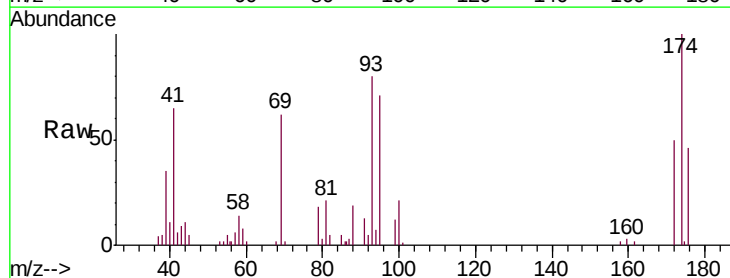
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

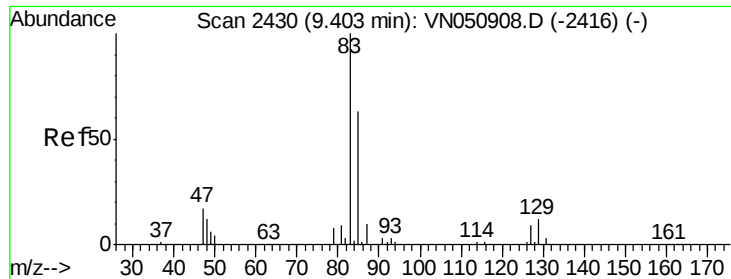
Tgt Ion: 63 Resp: 35949
 Ion Ratio Lower Upper
 63 100
 65 30.4 25.6 38.4



#40
 Dibromomethane
 Concen: 5.089 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 93 Resp: 22112
 Ion Ratio Lower Upper
 93 100
 95 86.6 0.0 173.4
 174 119.7 0.0 234.8





#41

Bromodichloromethane

Concen: 5.030 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

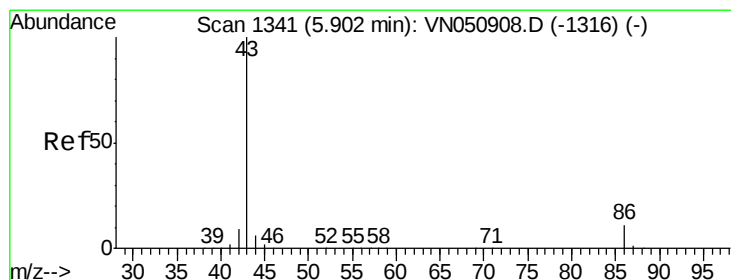
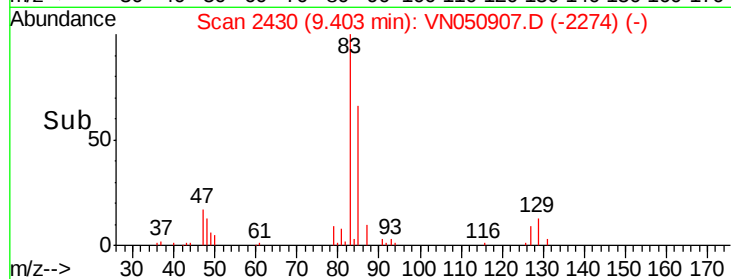
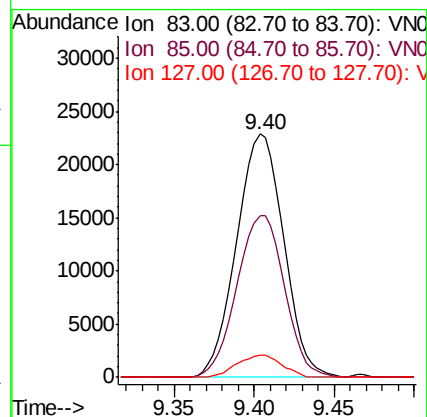
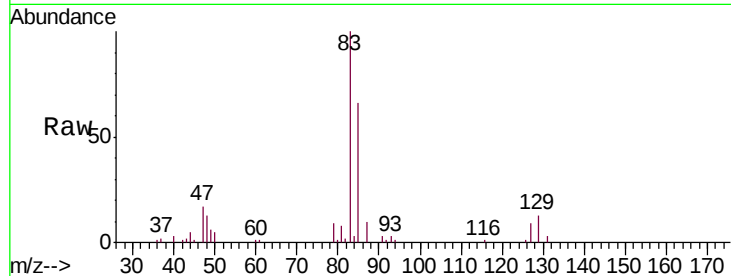
Tgt Ion: 83 Resp: 46074

Ion Ratio Lower Upper

83 100

85 66.3 50.6 76.0

127 9.3 7.1 10.7



#42

Vinyl Acetate

Concen: 22.235 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050907.D

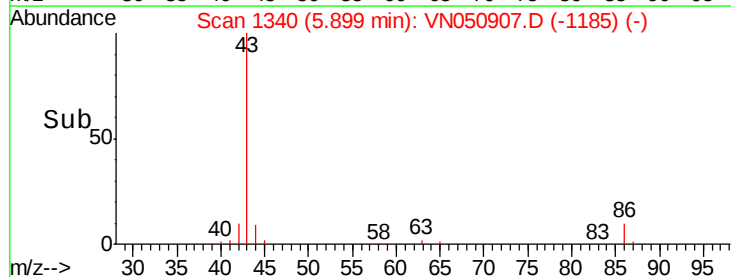
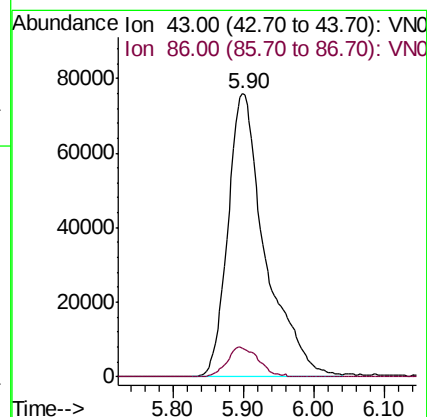
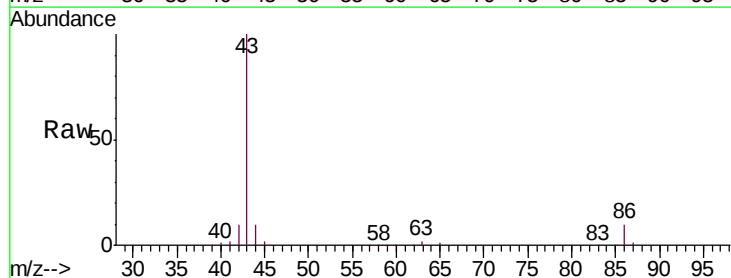
Acq: 28 Aug 2018 12:01

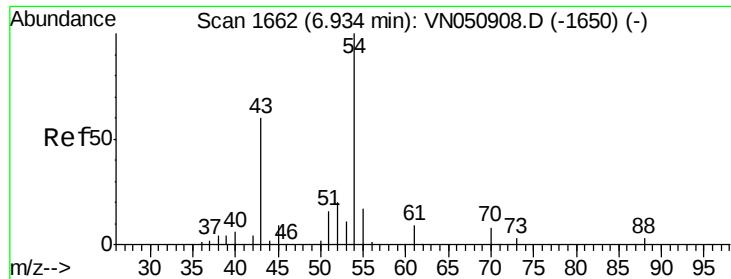
Tgt Ion: 43 Resp: 281299

Ion Ratio Lower Upper

43 100

86 8.9 7.2 10.8

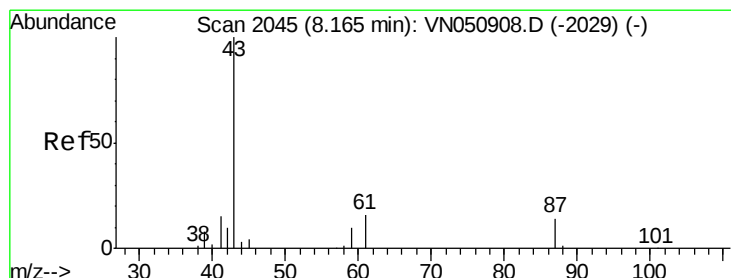
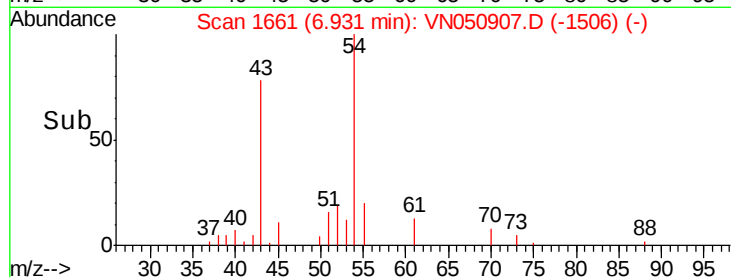
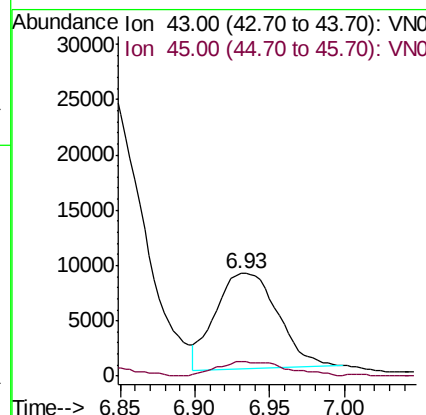
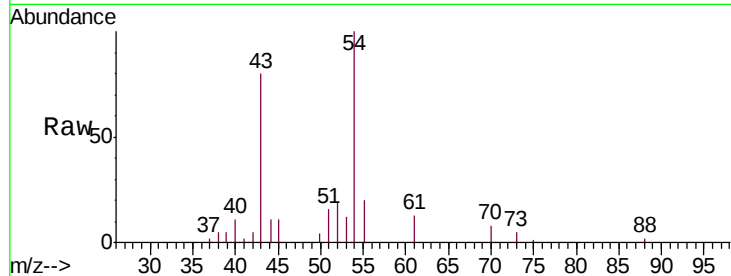




#43
Ethyl Acetate
Concen: 4.494 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

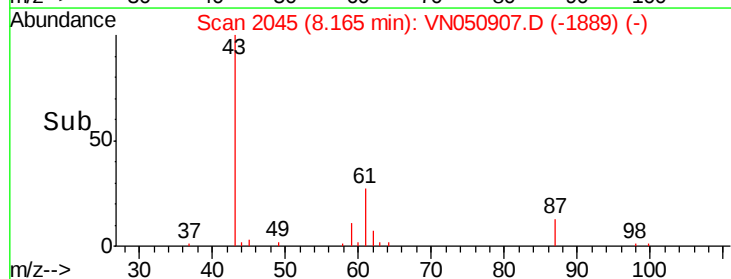
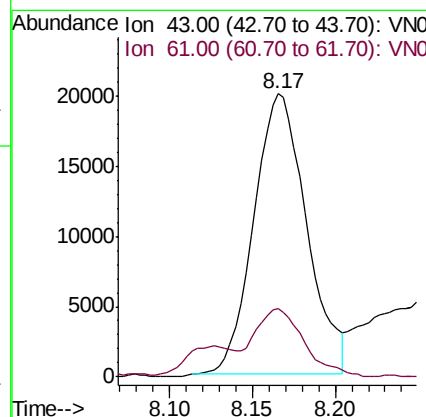
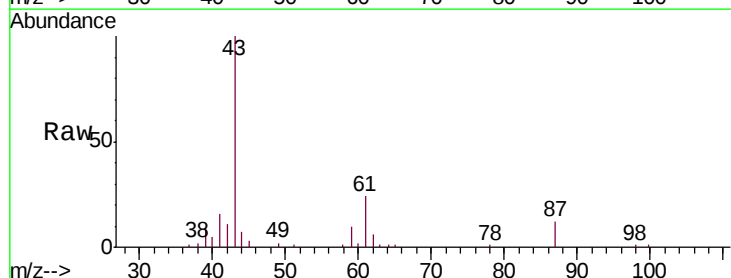
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

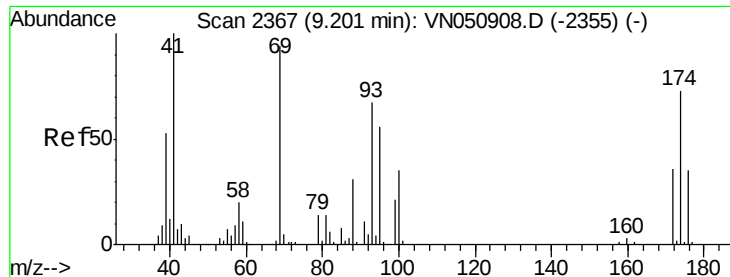
Tgt Ion: 43 Resp: 25289
Ion Ratio Lower Upper
43 100
45 9.1 10.2 15.2#



#44
Isopropyl Acetate
Concen: 4.460 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 43 Resp: 44282
Ion Ratio Lower Upper
43 100
61 22.5 16.3 24.5

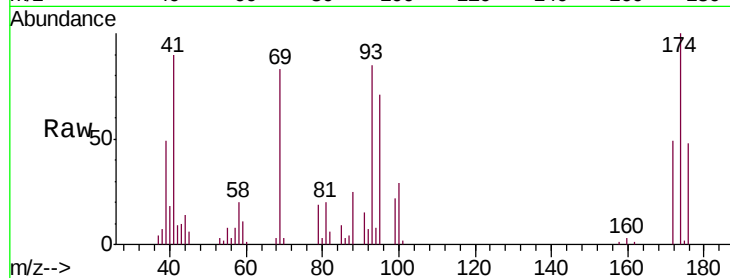




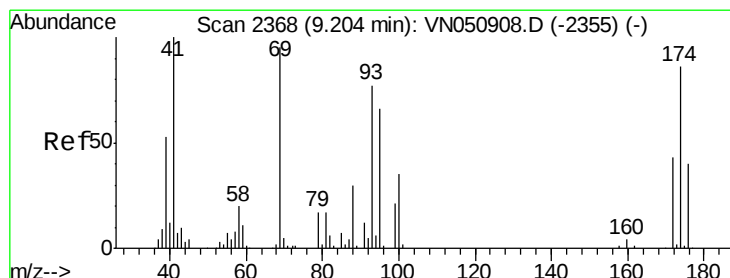
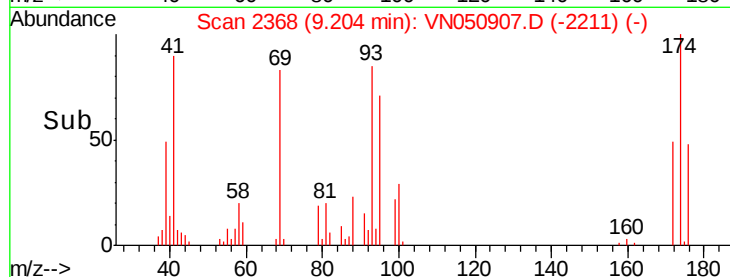
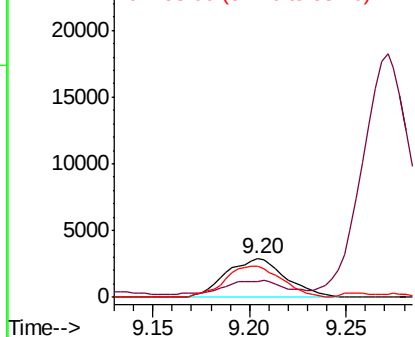
#45
 1,4-Dioxane
 Concen: 85.053 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 88 Resp: 6273
 Ion Ratio Lower Upper
 88 100
 43 13.8 23.5 35.3#
 58 76.6 55.2 82.8

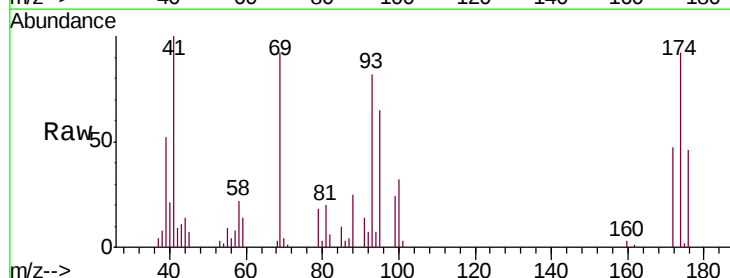


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

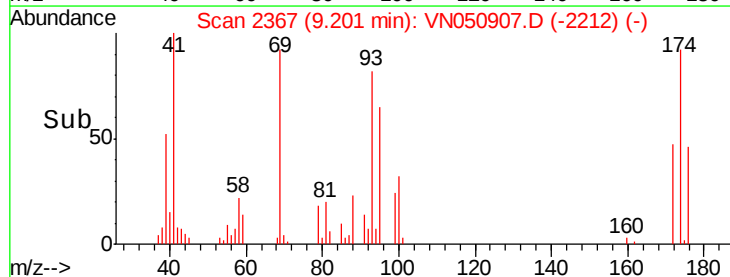
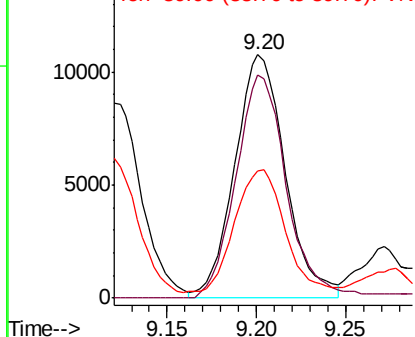


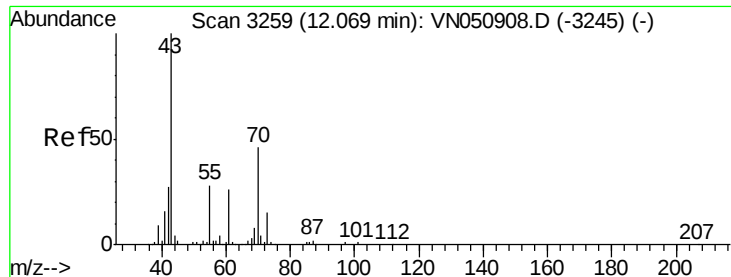
#46
 Methyl methacrylate
 Concen: 4.275 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 41 Resp: 21258
 Ion Ratio Lower Upper
 41 100
 69 94.0 47.4 142.2
 39 50.7 26.6 79.7



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

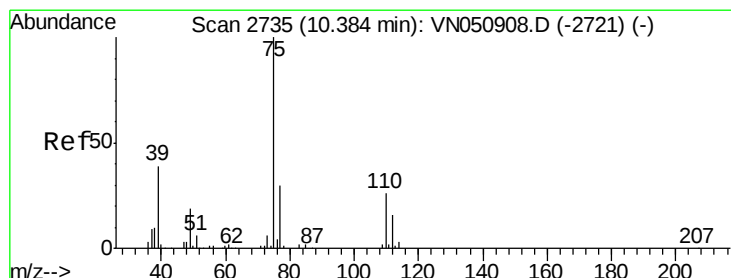
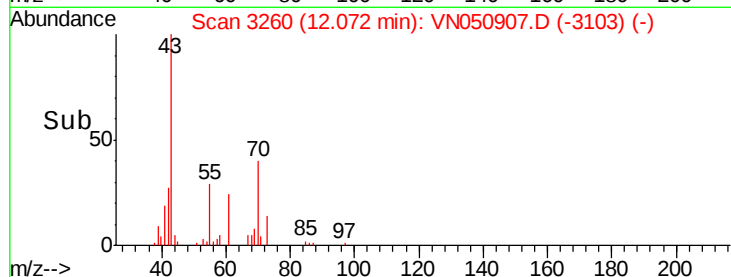
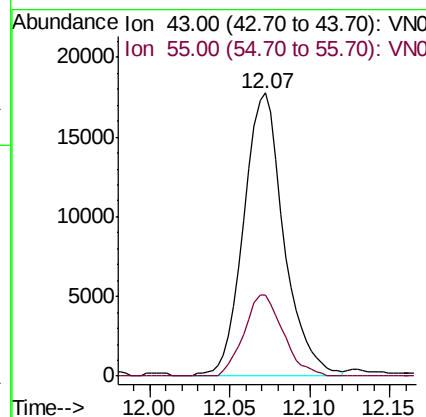
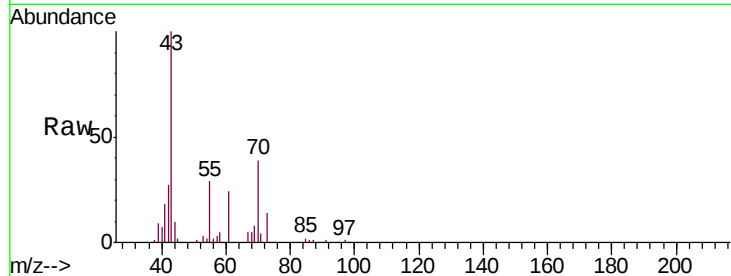




#47
n-amyl Acetate
Concen: 3.816 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

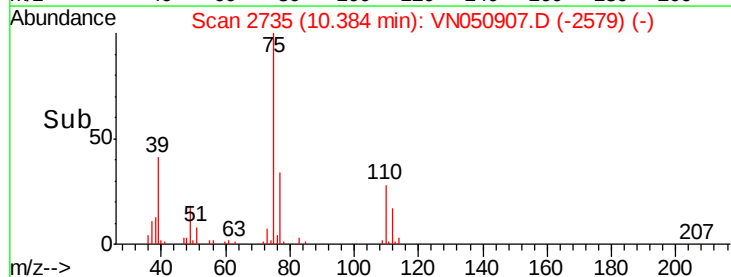
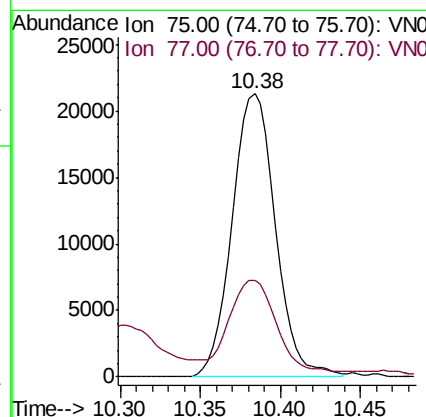
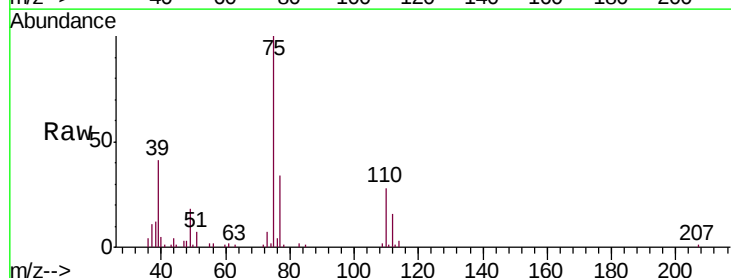
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

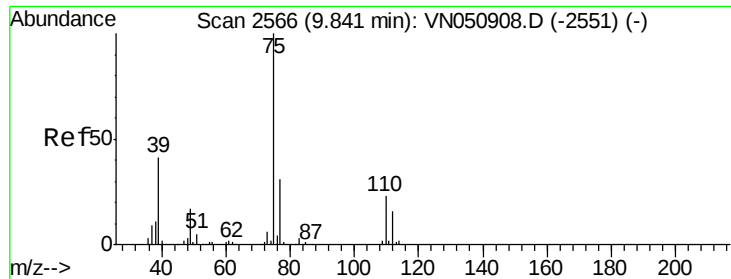
Tgt Ion: 43 Resp: 30464
Ion Ratio Lower Upper
43 100
55 27.9 23.0 34.4



#48
t-1,3-Dichloropropene
Concen: 4.386 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 75 Resp: 39387
Ion Ratio Lower Upper
75 100
77 32.3 24.8 37.2



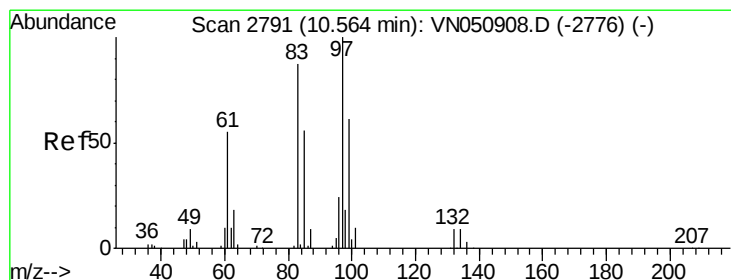
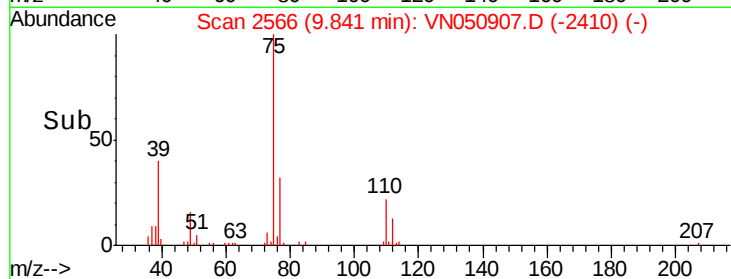
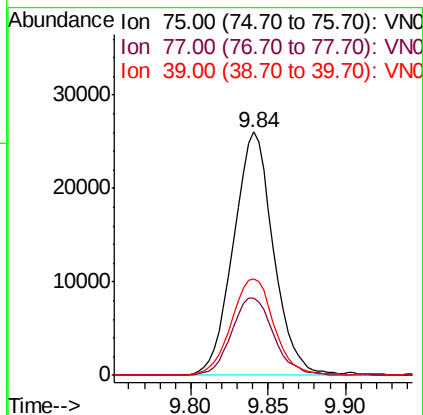
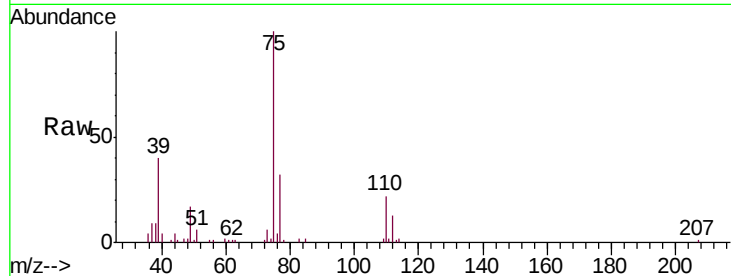


#49

cis-1,3-Dichloropropene
 Concen: 4.548 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

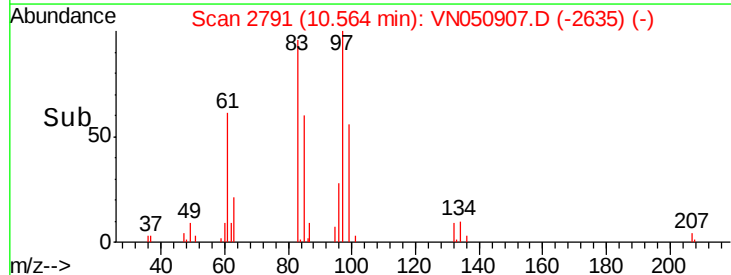
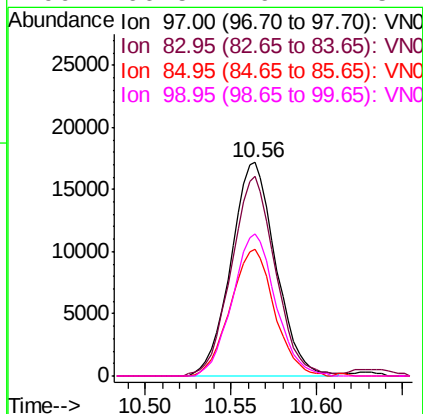
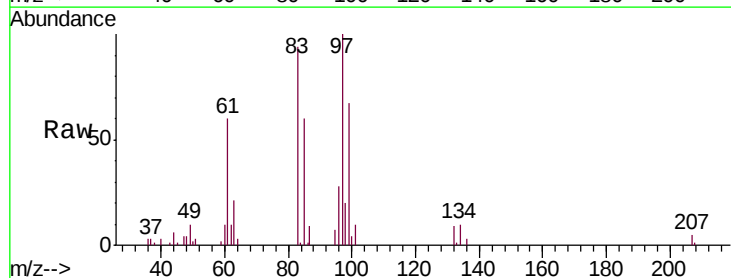
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.4
39	39.8	32.9	49.3

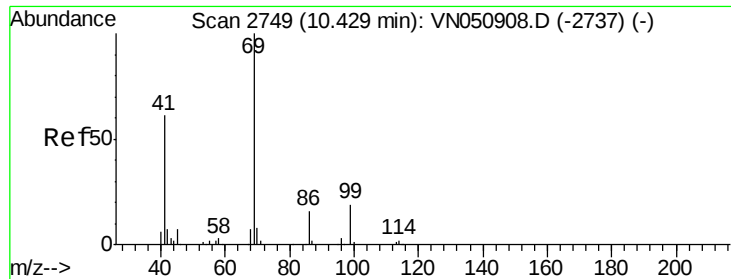


#50

1,1,2-Trichloroethane
 Concen: 4.934 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	92.7	69.8	104.6
85	59.6	45.0	67.6
99	66.5	49.1	73.7





#51

Ethyl methacrylate

Concen: 4.198 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

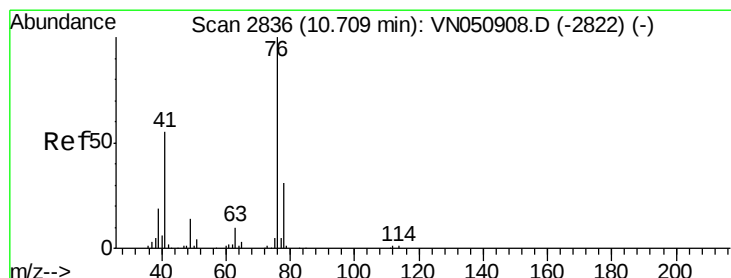
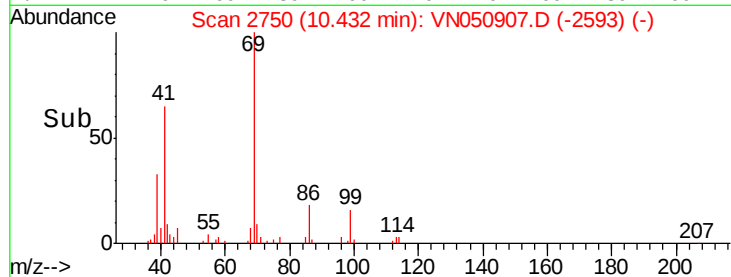
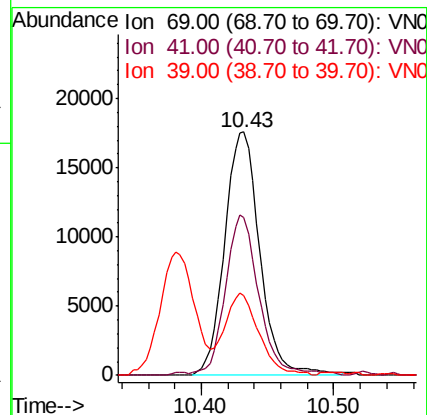
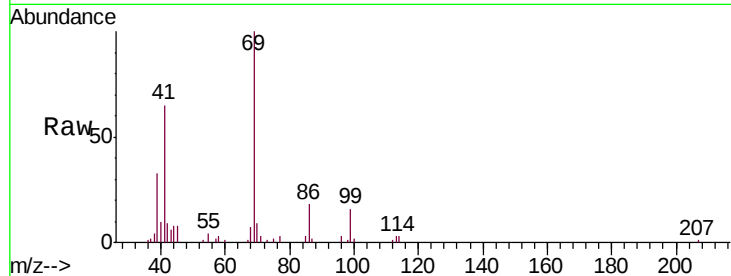
Tgt Ion: 69 Resp: 32430

Ion Ratio Lower Upper

69 100

41 64.8 30.5 91.5

39 31.6 15.3 45.8



#52

1,3-Dichloropropane

Concen: 4.874 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050907.D

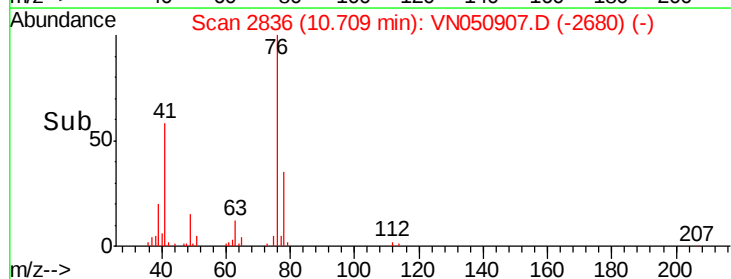
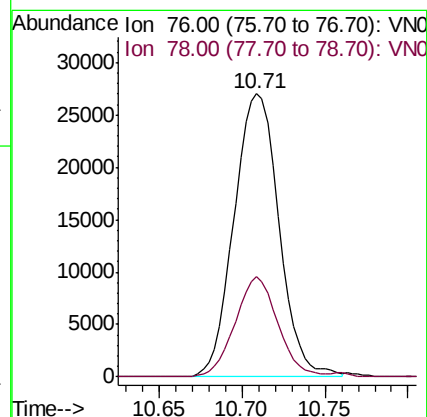
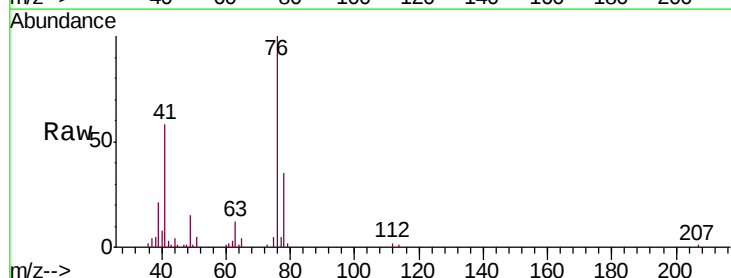
Acq: 28 Aug 2018 12:01

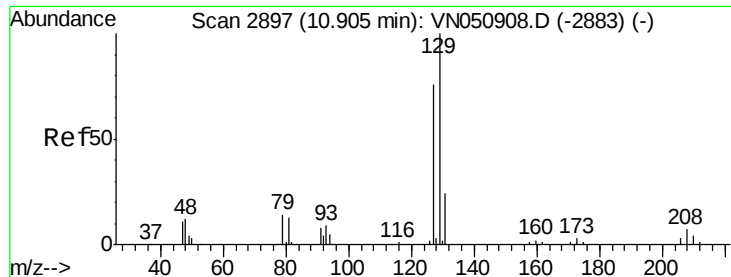
Tgt Ion: 76 Resp: 50977

Ion Ratio Lower Upper

76 100

78 33.5 0.0 63.4

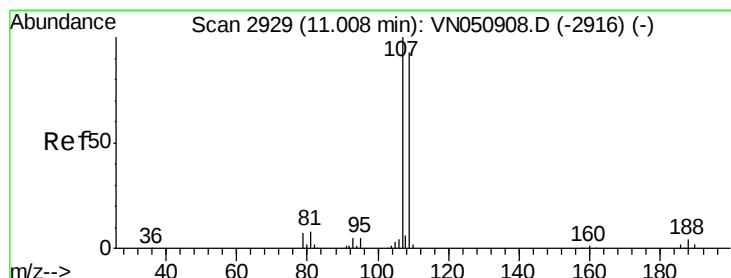
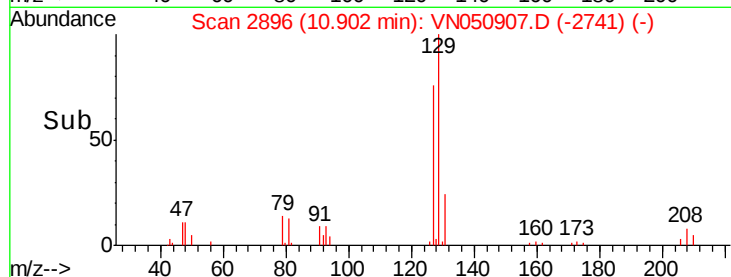
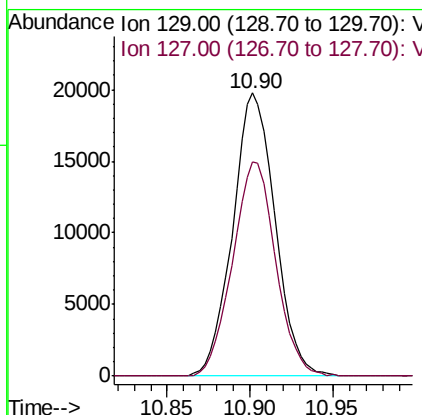
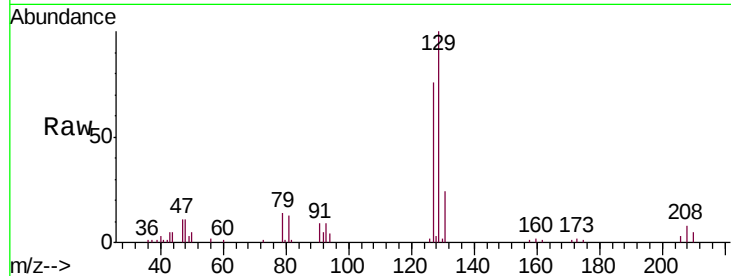




#53
Dibromochloromethane
Concen: 4.901 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

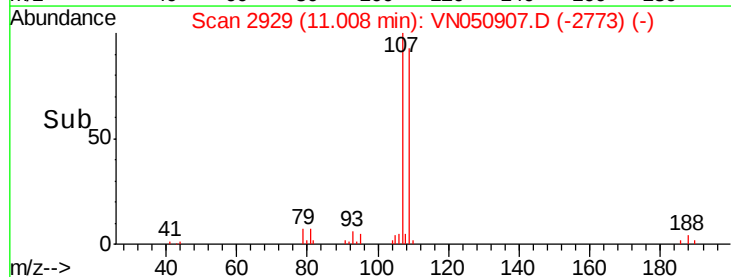
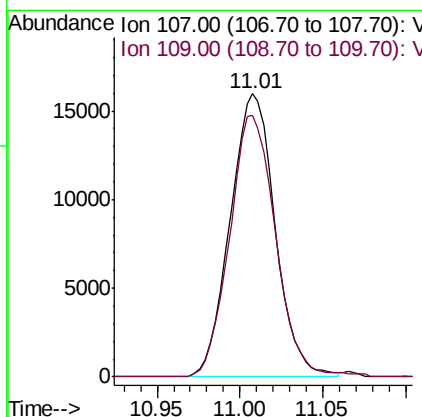
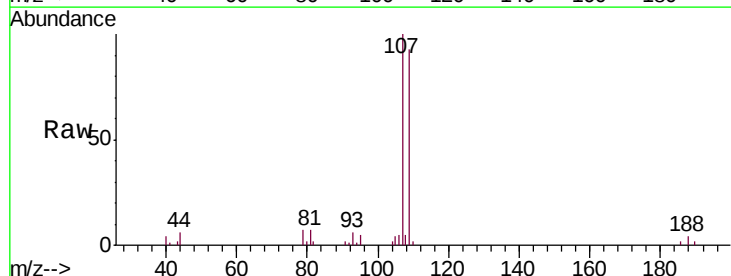
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

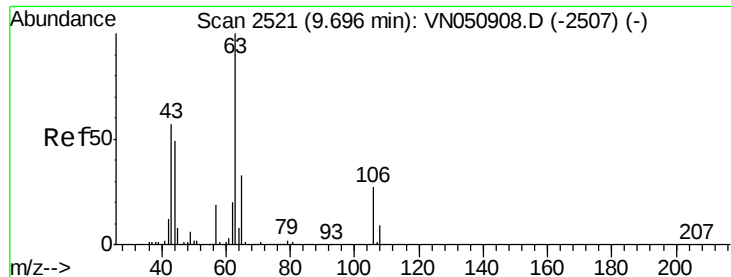
Tgt Ion:129 Resp: 35185
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9



#54
1,2-Dibromoethane
Concen: 4.824 ug/l
RT: 11.01 min Scan# 2929
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:107 Resp: 30114
Ion Ratio Lower Upper
107 100
109 94.5 74.4 111.6

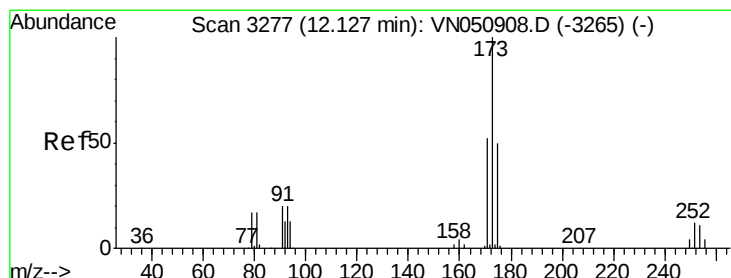
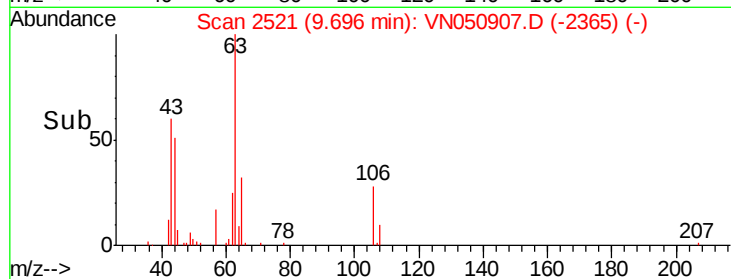
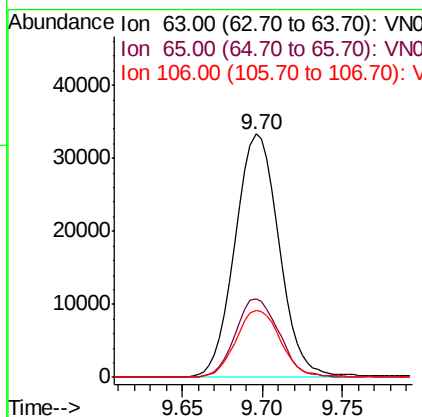
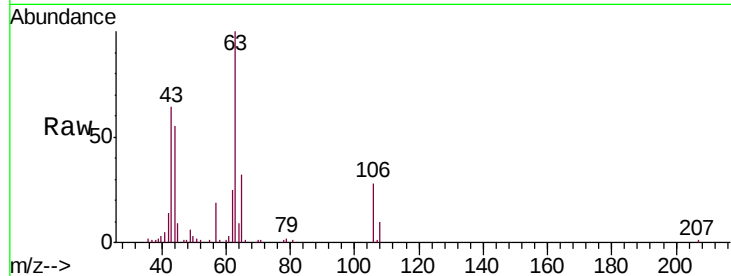




#55
 2-Chloroethyl vinyl ether
 Concen: 19.511 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

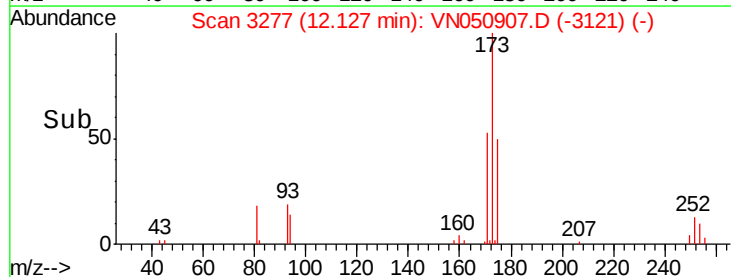
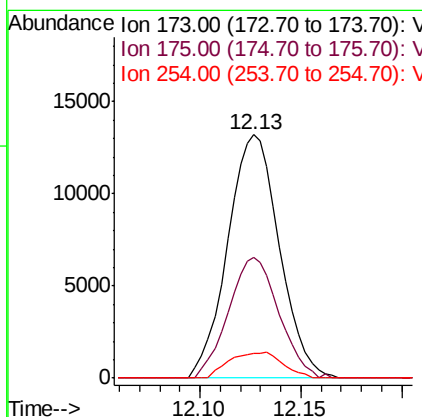
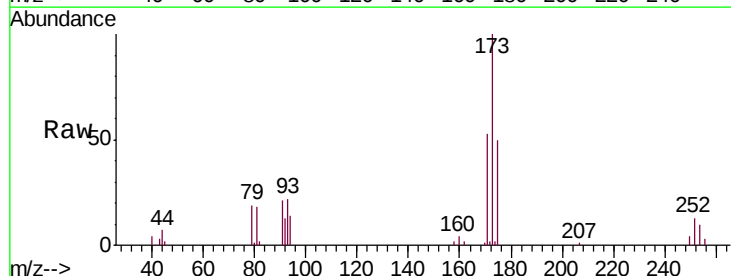
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

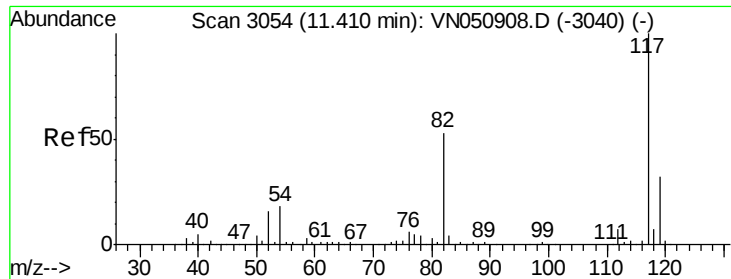
Tgt Ion: 63 Resp: 62715
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.4 38.2
 106 27.9 22.0 33.0



#56
 Bromoform
 Concen: 4.630 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 173 Resp: 23641
 Ion Ratio Lower Upper
 173 100
 175 48.0 39.2 58.8
 254 11.0 9.0 13.6

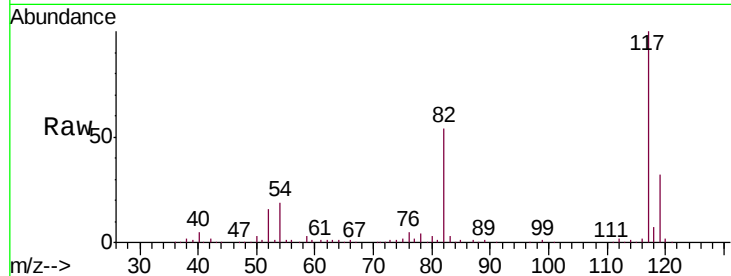




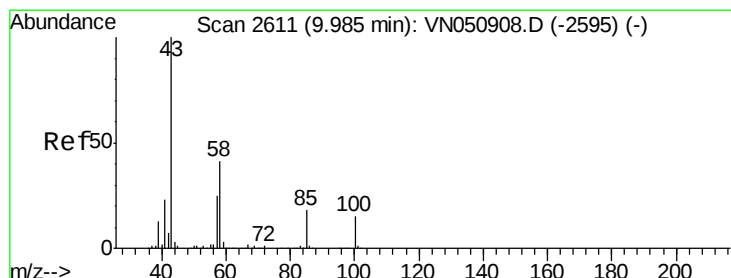
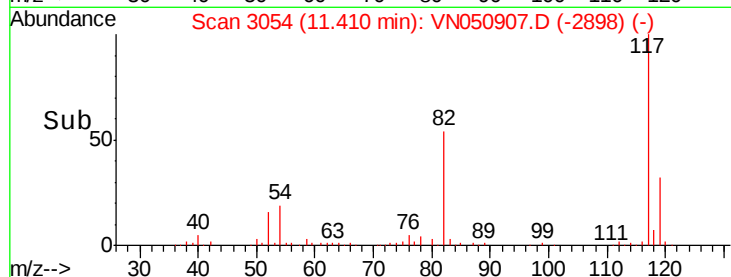
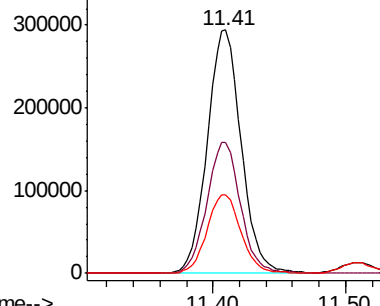
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 117 Resp: 522849
Ion Ratio Lower Upper
117 100
82 53.3 42.6 64.0
119 32.4 25.7 38.5

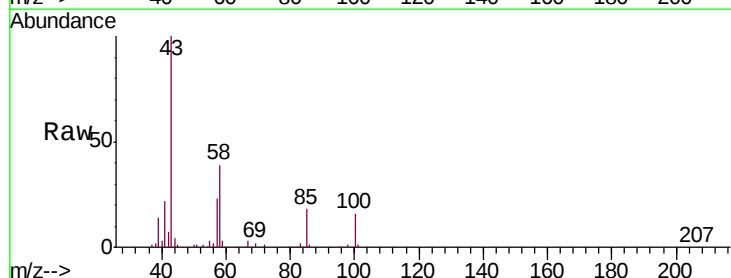


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

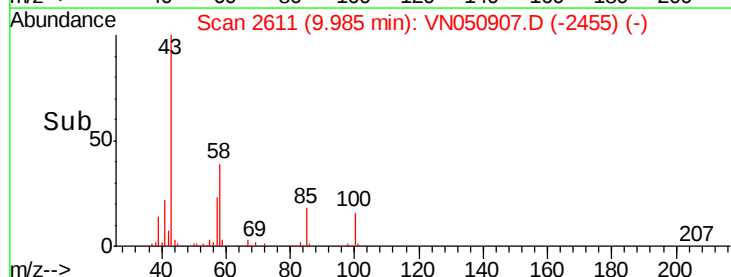
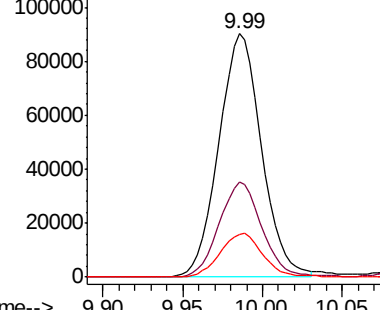


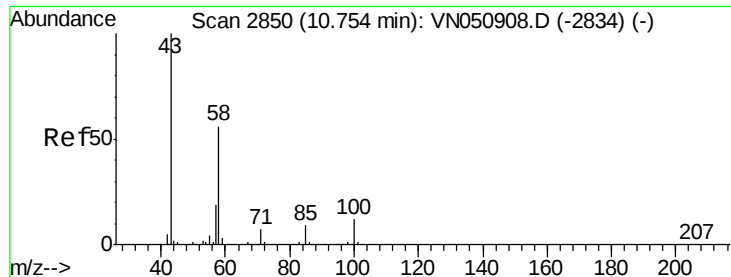
#58
4-Methyl-2-Pentanone
Concen: 27.447 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion: 43 Resp: 164195
Ion Ratio Lower Upper
43 100
58 39.4 32.3 48.5
85 18.0 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

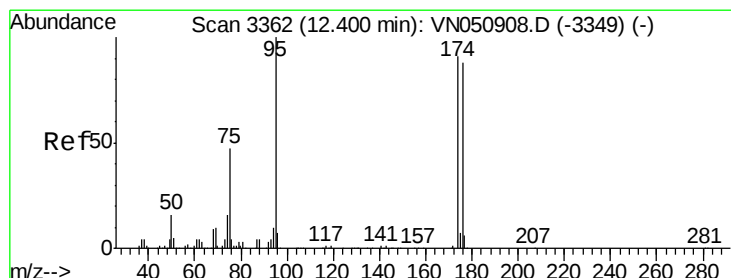
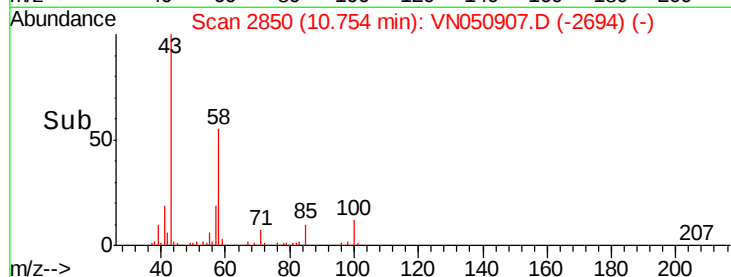
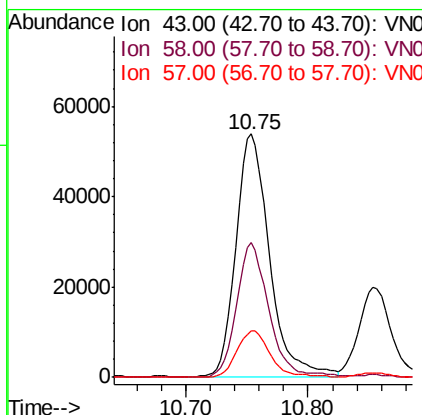
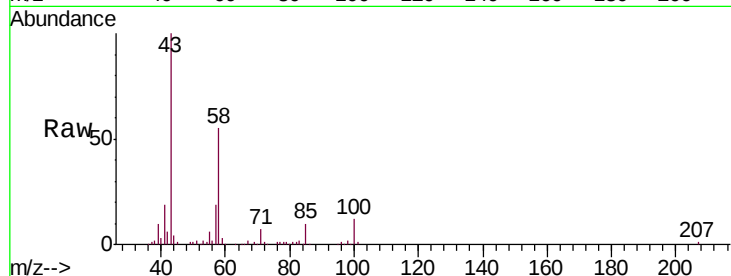




#59
2-Hexanone
Concen: 26.383 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

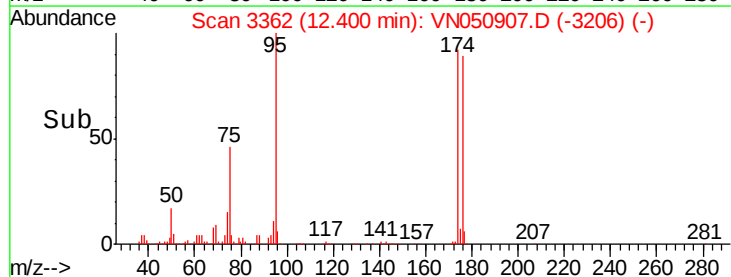
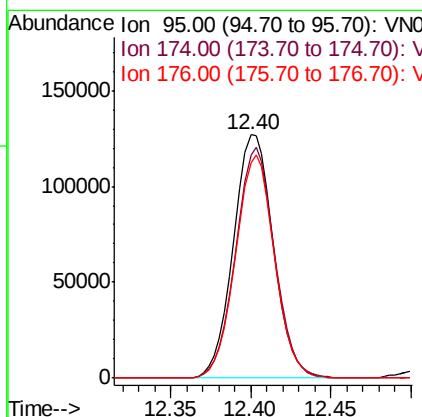
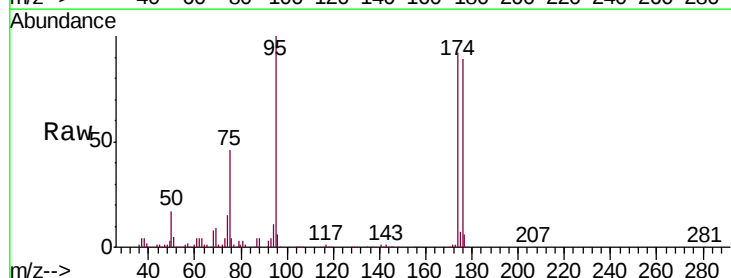
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

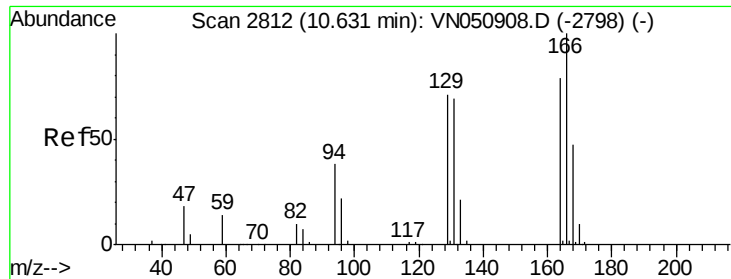
Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.8	45.5	68.3
57	18.9	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 27.799 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.4	74.6	112.0
176	89.2	71.5	107.3





#61

Tetrachloroethene

Concen: 5.245 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tgt Ion:164 Resp: 34172

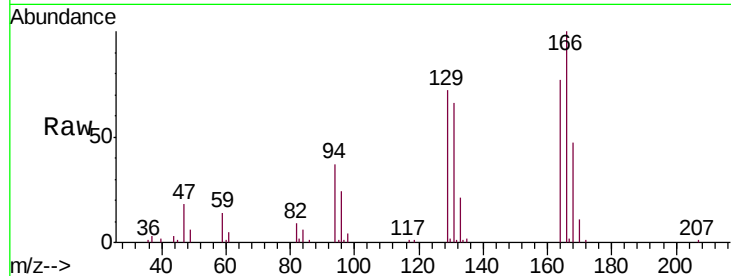
Ion Ratio Lower Upper

164 100

166 128.5 100.6 151.0

129 92.4 71.0 106.6

131 85.7 69.3 103.9

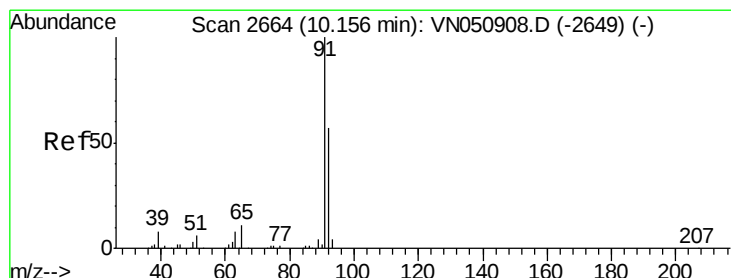
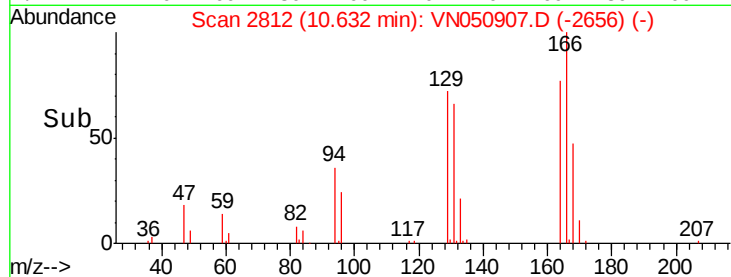
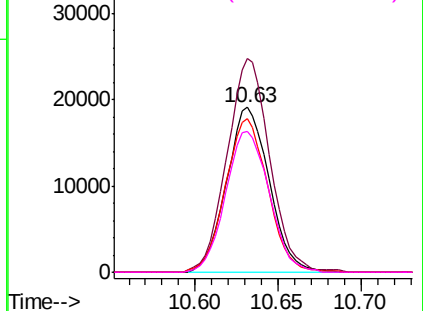


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.067 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN050907.D

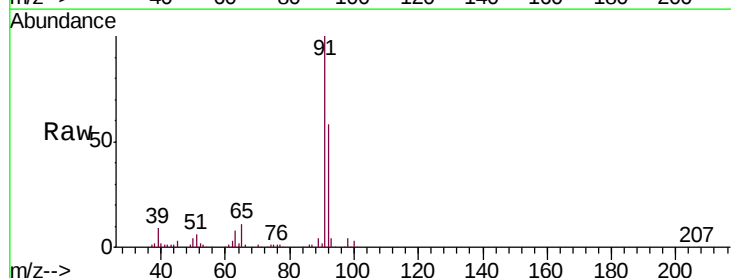
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 147806

Ion Ratio Lower Upper

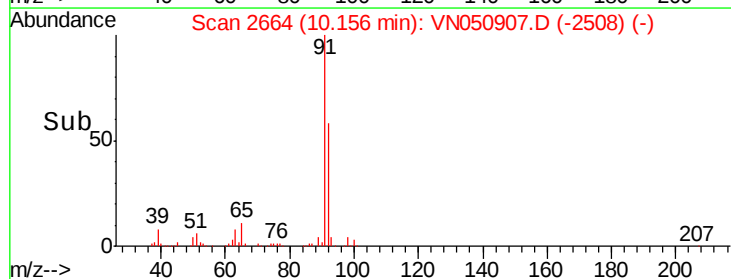
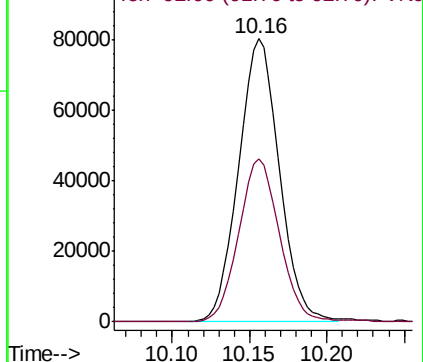
91 100

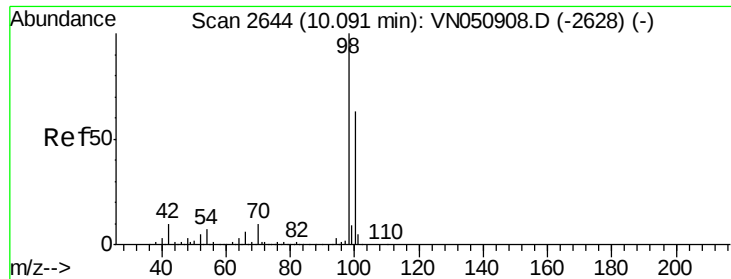
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.774 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

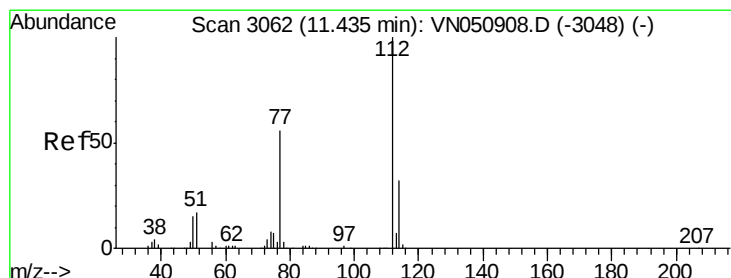
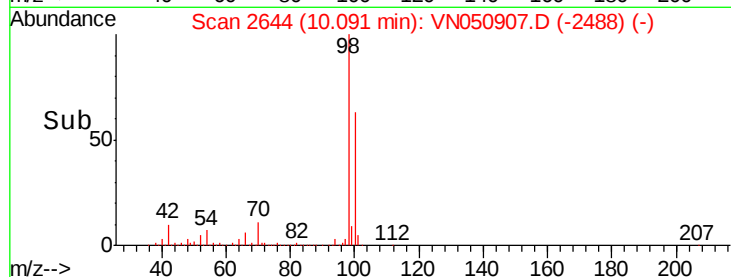
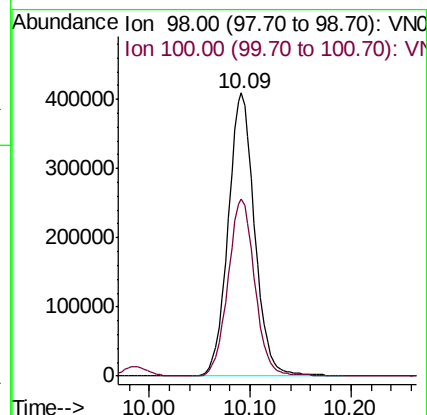
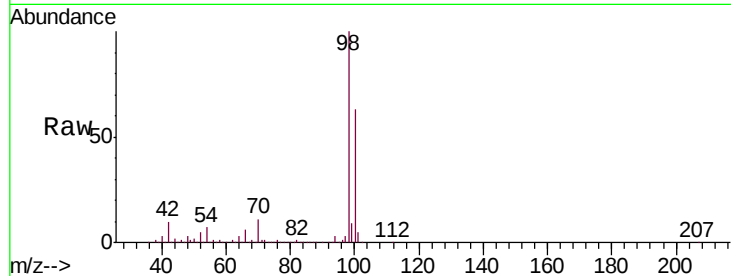
VSTDIC005

Tgt Ion: 98 Resp: 750346

Ion Ratio Lower Upper

98 100

100 63.2 50.6 75.8



#64

Chlorobenzene

Concen: 5.012 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050907.D

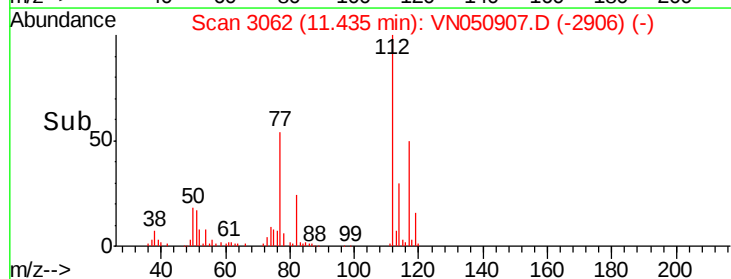
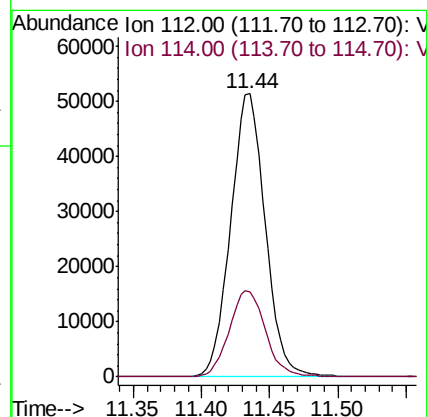
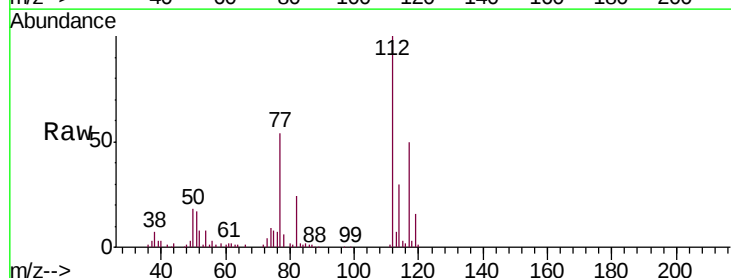
Acq: 28 Aug 2018 12:01

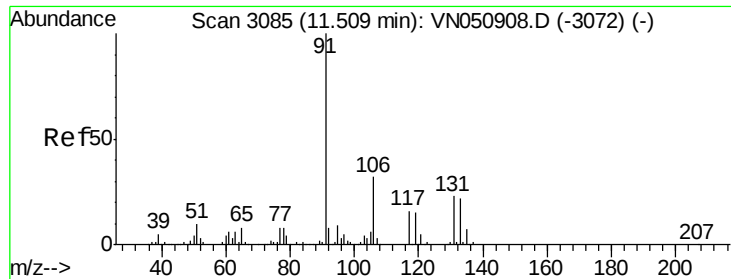
Tgt Ion: 112 Resp: 90610

Ion Ratio Lower Upper

112 100

114 30.1 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 5.033 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

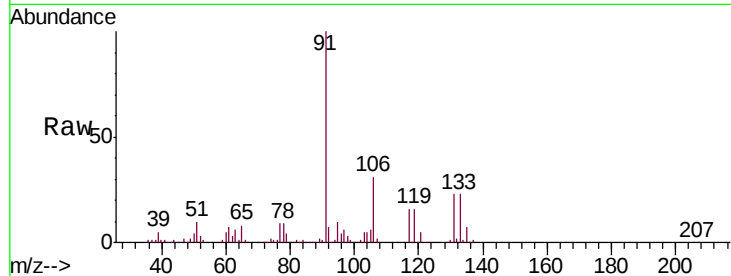
Tgt Ion:131 Resp: 34356

Ion Ratio Lower Upper

131 100

133 98.5 0.0 189.4

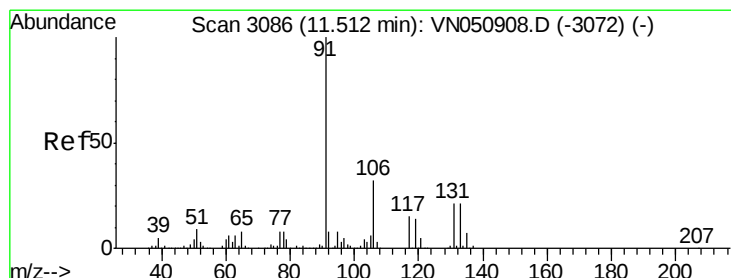
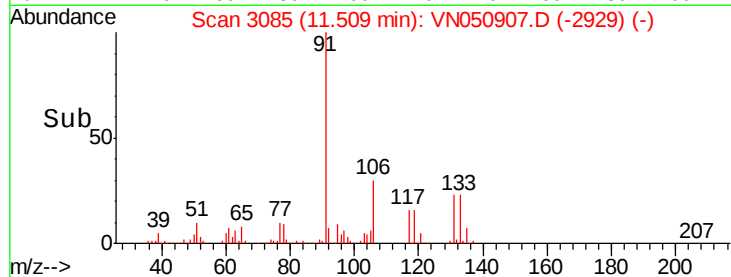
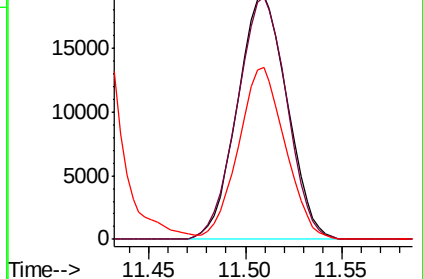
119 66.6 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 4.576 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050907.D

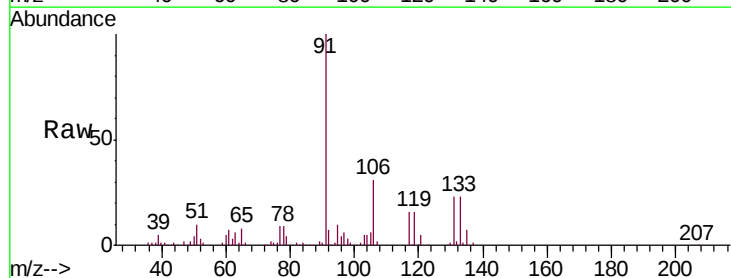
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 138273

Ion Ratio Lower Upper

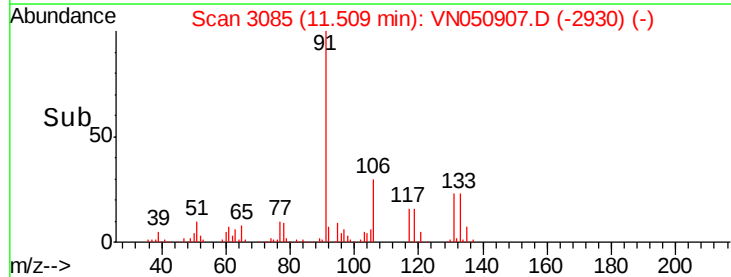
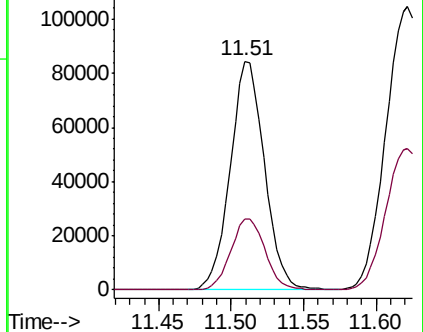
91 100

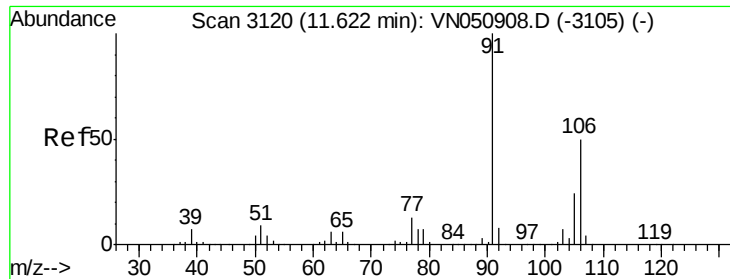
106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

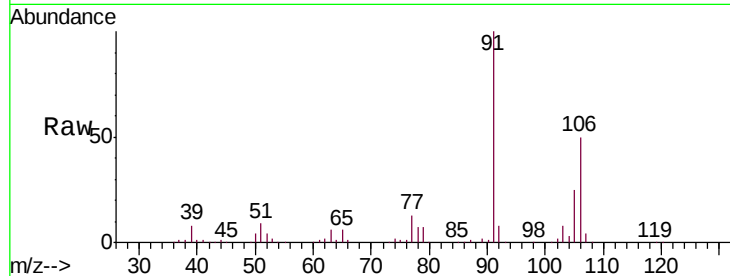




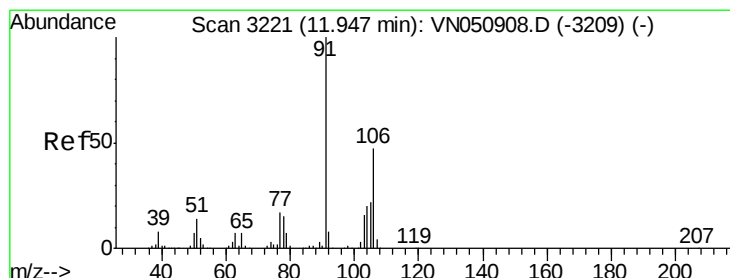
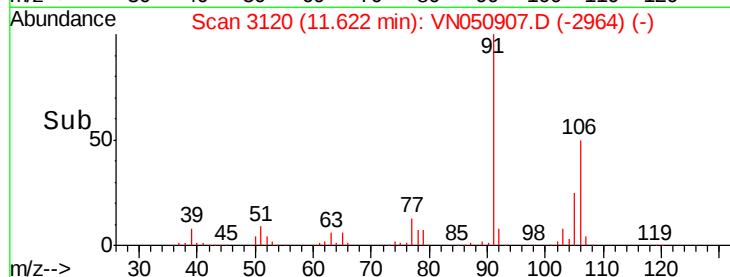
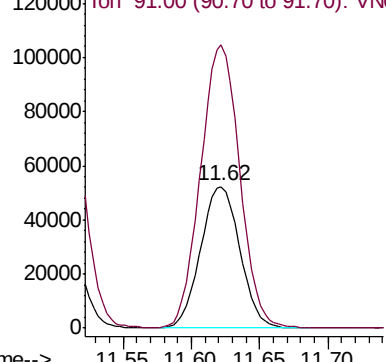
#67
m/p-Xylenes
Concen: 9.015 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 104802
Ion Ratio Lower Upper
106 100
91 199.2 160.6 241.0

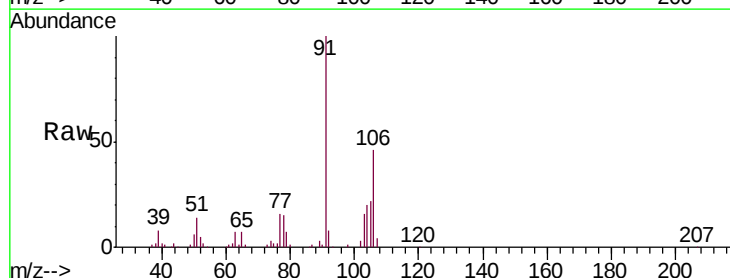


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

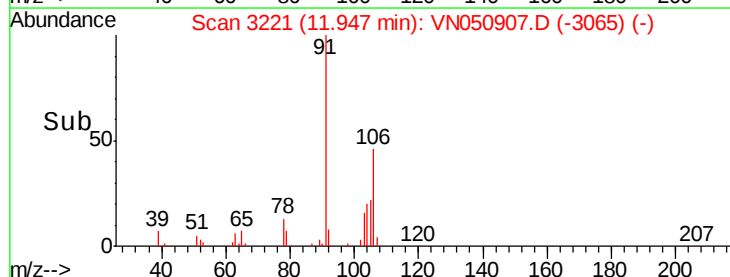
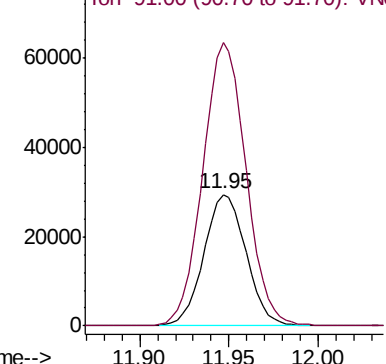


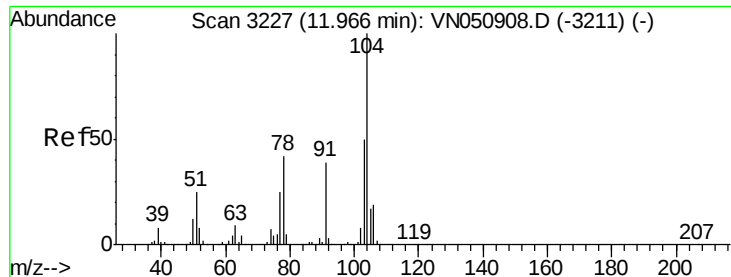
#68
o-Xylene
Concen: 4.360 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:106 Resp: 48433
Ion Ratio Lower Upper
106 100
91 221.1 106.4 319.2



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





#69

Styrene

Concen: 4.129 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

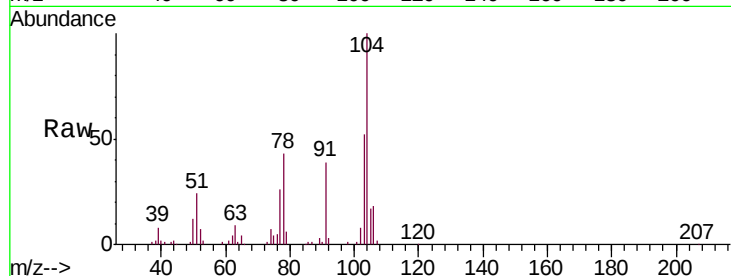
Tgt Ion:104 Resp: 72921

Ion Ratio Lower Upper

104 100

78 49.1 38.6 58.0

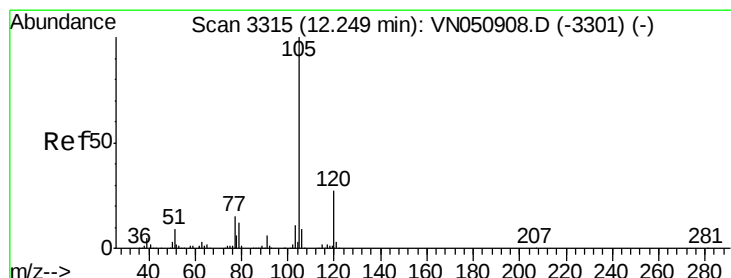
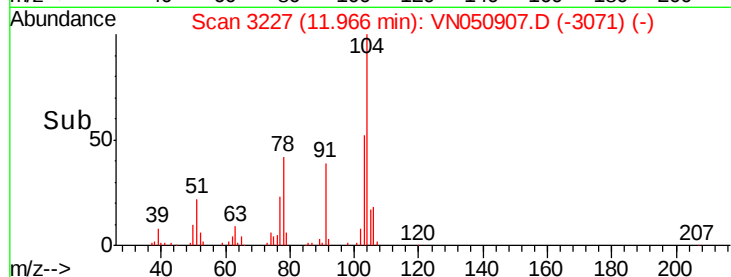
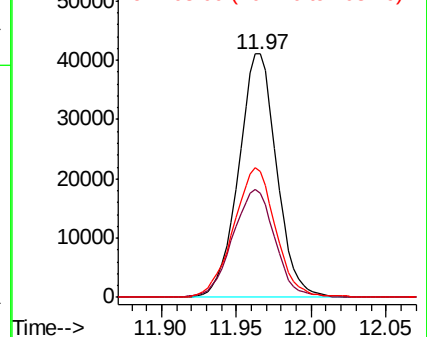
103 58.4 45.4 68.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 4.411 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050907.D

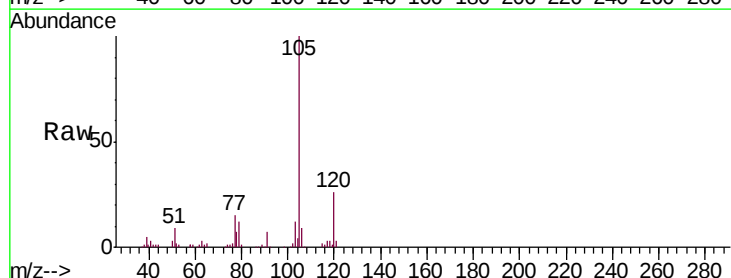
Acq: 28 Aug 2018 12:01

Tgt Ion:105 Resp: 130204

Ion Ratio Lower Upper

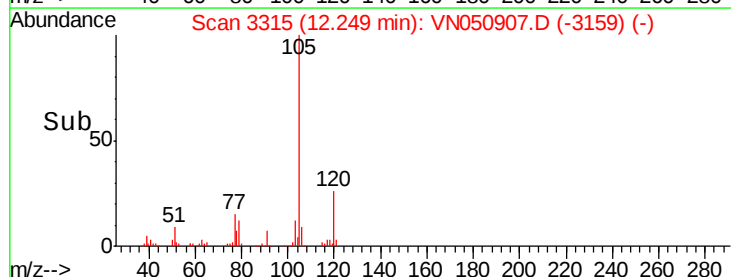
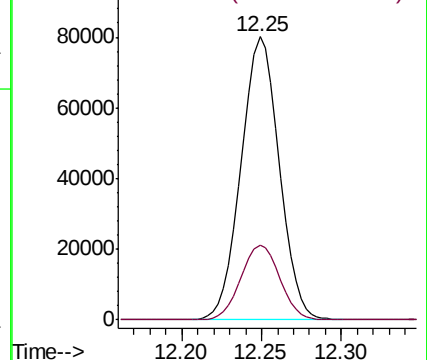
105 100

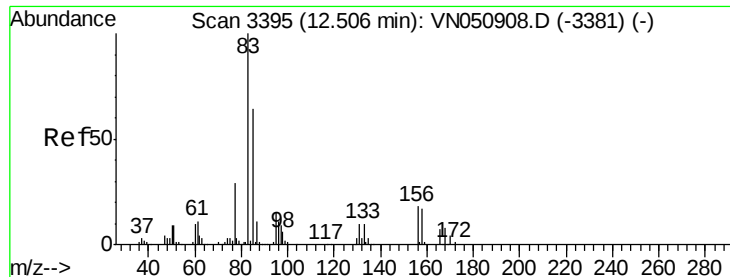
120 27.0 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

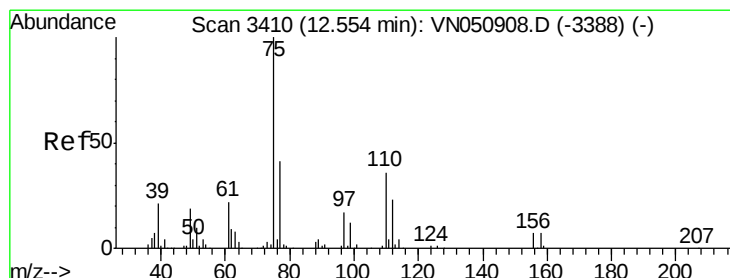
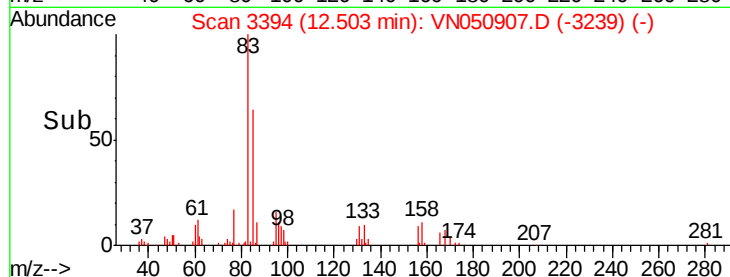
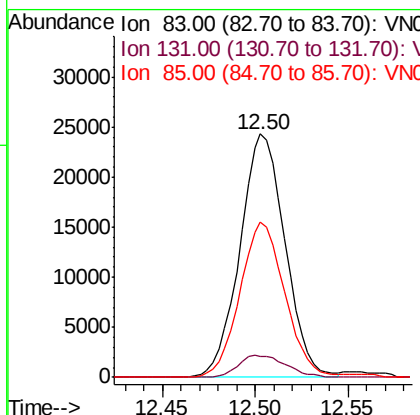
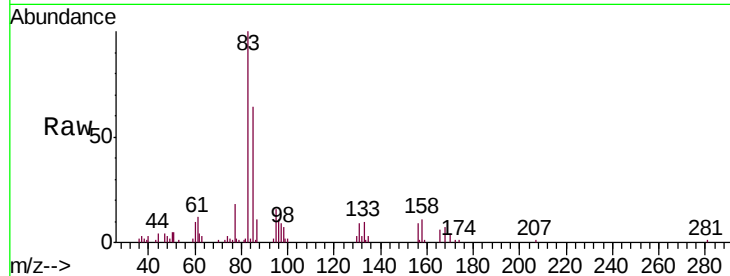




#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.147 ug/l
 RT: 12.50 min Scan# 3394
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

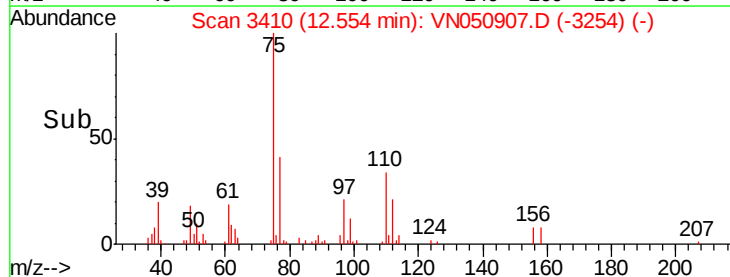
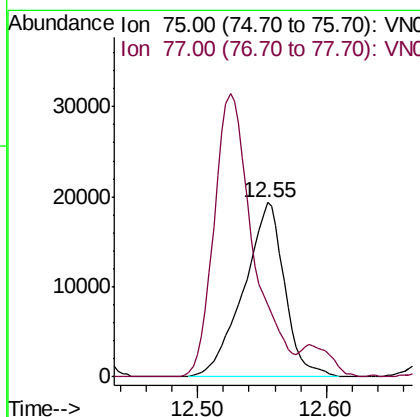
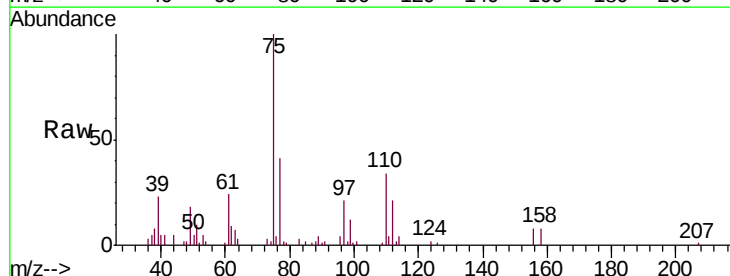
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

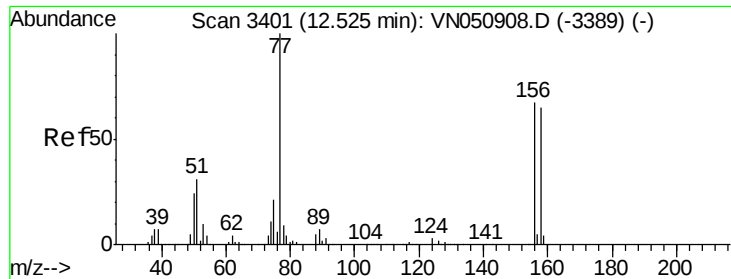
Tgt Ion: 83 Resp: 41137
 Ion Ratio Lower Upper
 83 100
 131 9.5 5.3 15.9
 85 63.4 32.3 96.9



#72
 1,2,3-Trichloropropane
 Concen: 6.235 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 75 Resp: 42856
 Ion Ratio Lower Upper
 75 100
 77 154.8 0.0 301.6





#73

Bromobenzene

Concen: 4.820 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

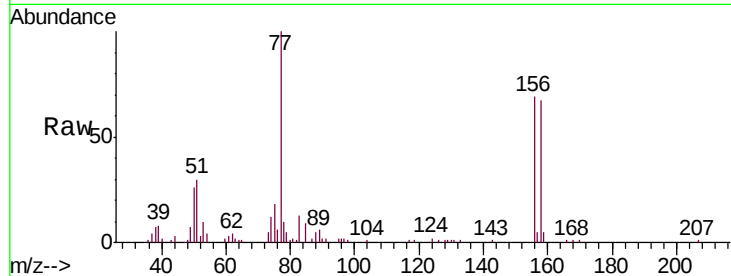
Tgt Ion:156 Resp: 37435

Ion Ratio Lower Upper

156 100

77 177.2 0.0 359.4

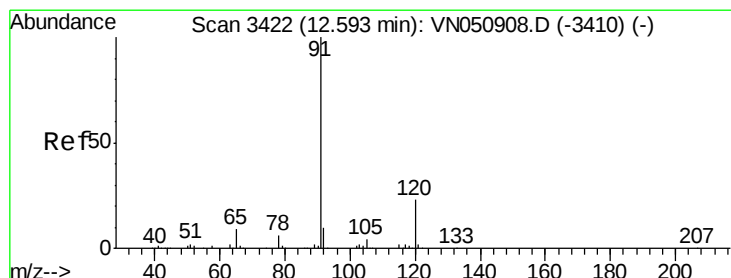
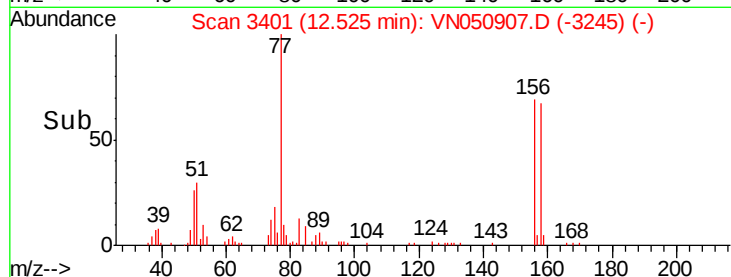
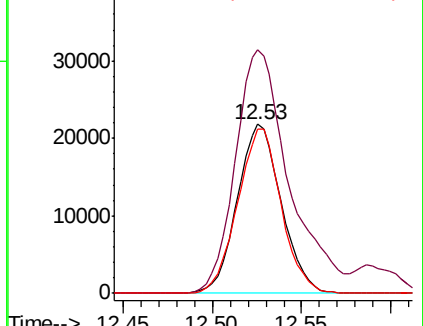
158 96.7 0.0 194.6



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: 4.341 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050907.D

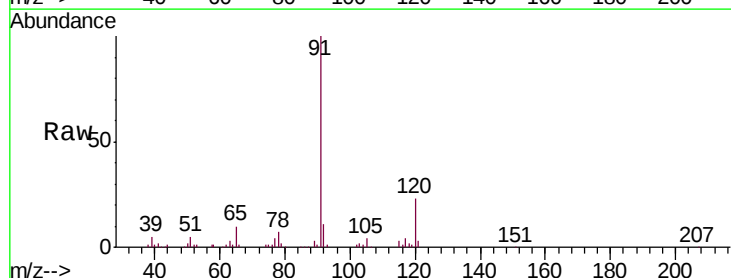
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 144855

Ion Ratio Lower Upper

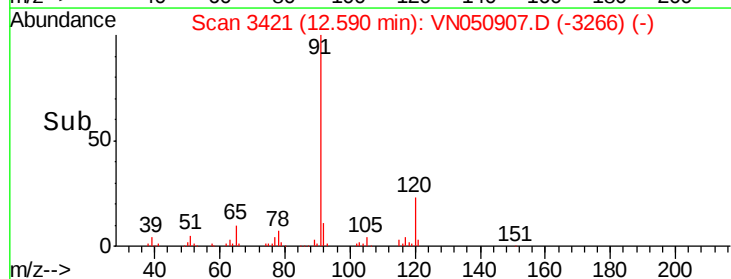
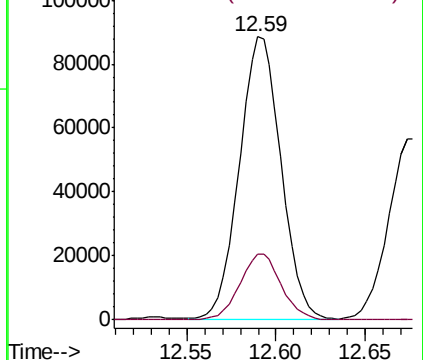
91 100

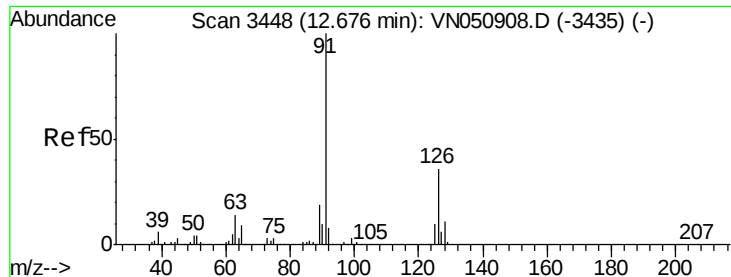
120 22.9 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.738 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. -0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

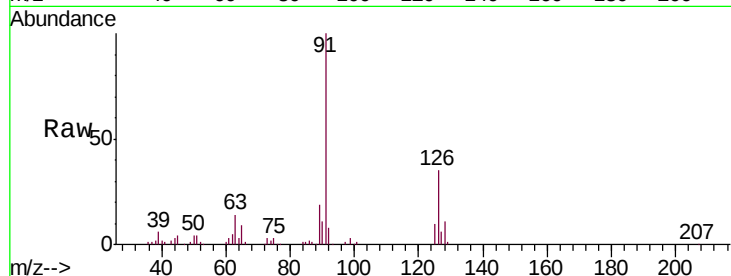
VSTDIC005

Tgt Ion: 91 Resp: 96057

Ion Ratio Lower Upper

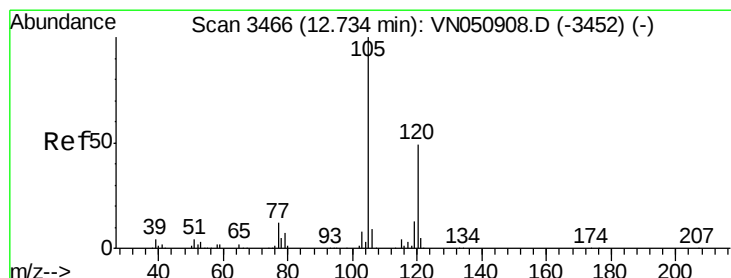
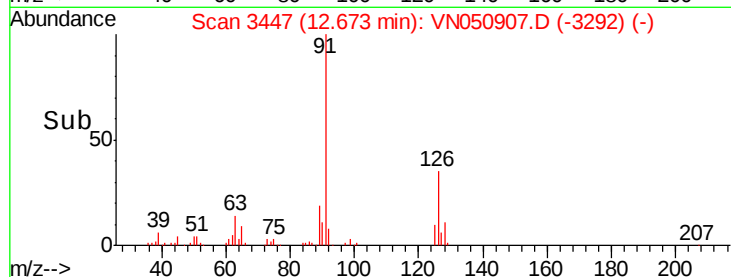
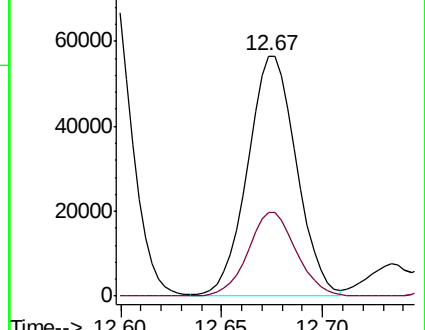
91 100

126 34.3 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.421 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. -0.00 min

Lab File: VN050907.D

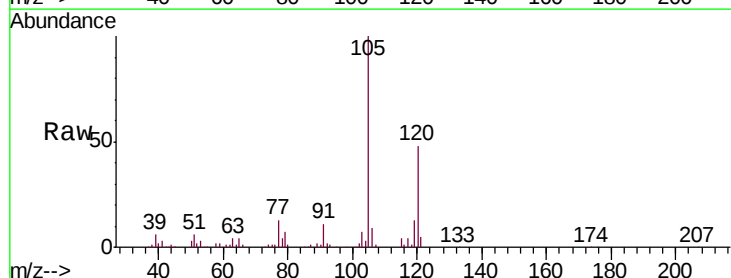
Acq: 28 Aug 2018 12:01

Tgt Ion: 105 Resp: 106628

Ion Ratio Lower Upper

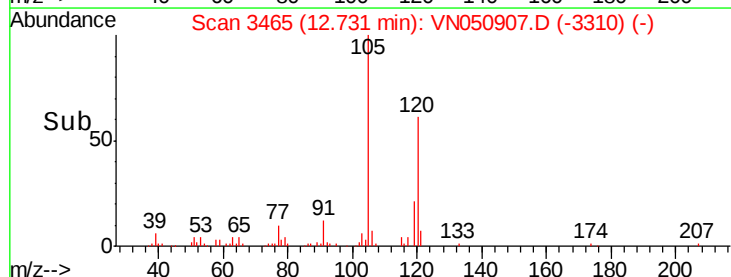
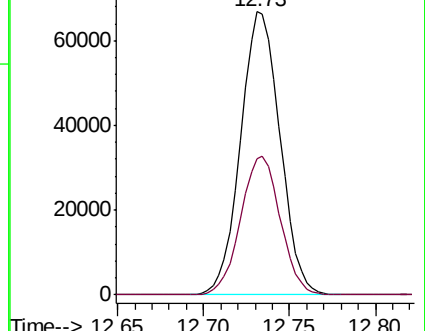
105 100

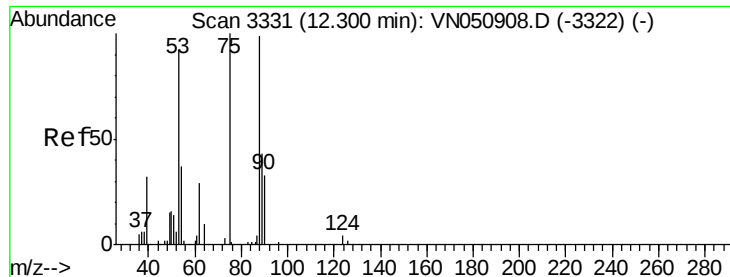
120 49.1 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.201 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

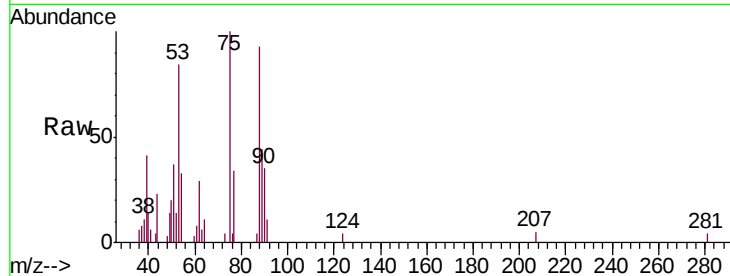
Tgt Ion: 75 Resp: 8251

Ion Ratio Lower Upper

75 100

53 79.8 45.5 136.4

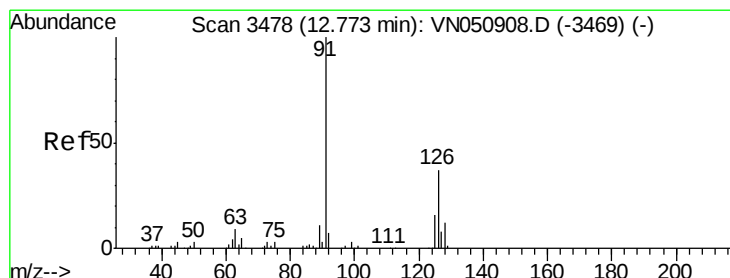
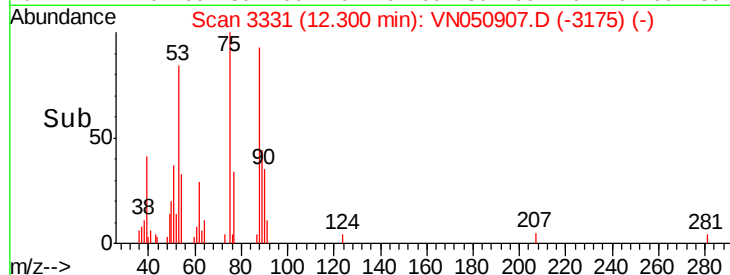
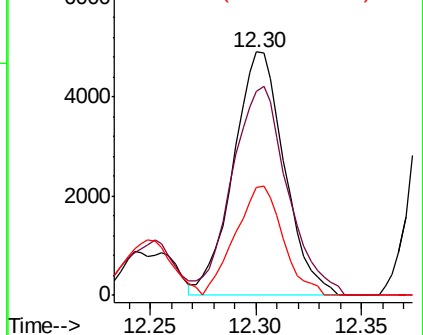
89 44.3 21.9 65.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 4.345 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050907.D

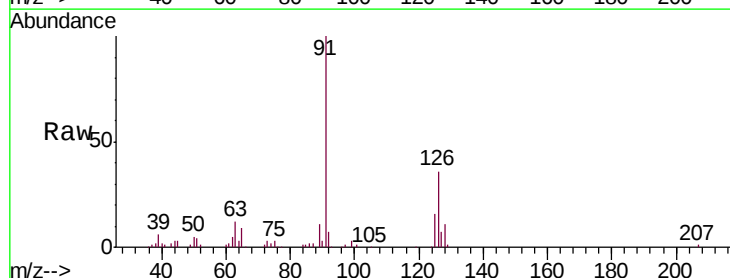
Acq: 28 Aug 2018 12:01

Tgt Ion: 91 Resp: 86735

Ion Ratio Lower Upper

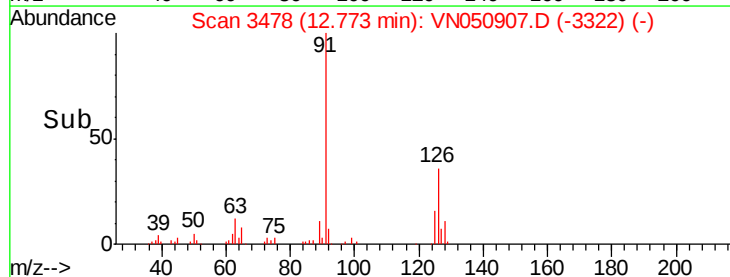
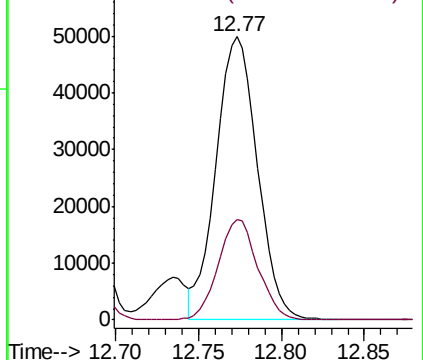
91 100

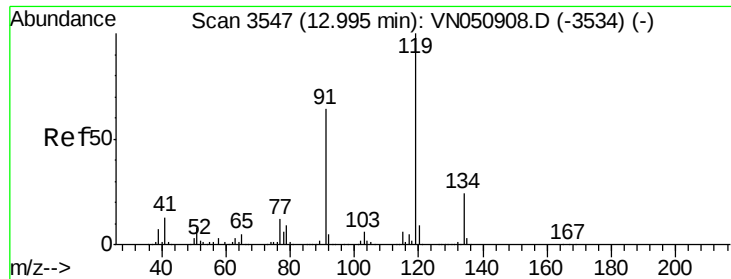
126 33.9 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

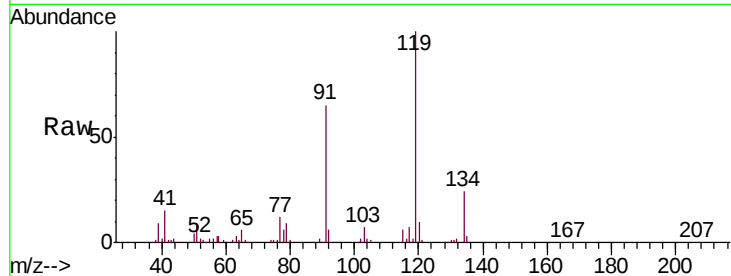




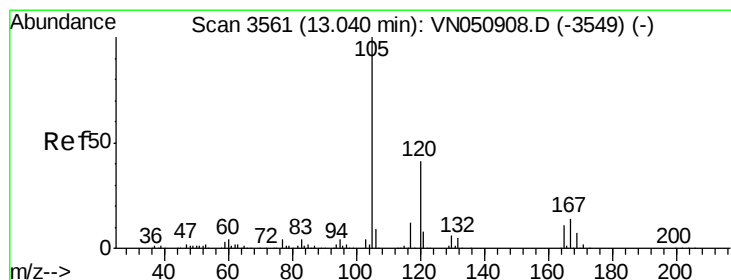
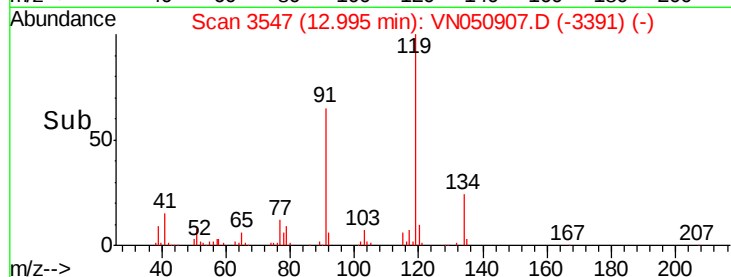
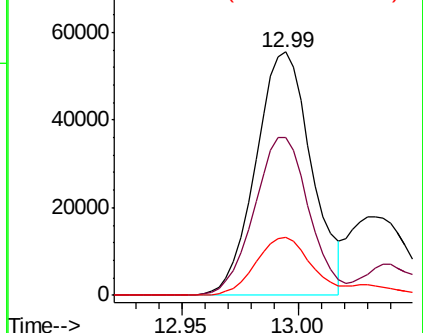
#79
tert-butylbenzene
Concen: 4.436 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:119 Resp: 92919
Ion Ratio Lower Upper
119 100
91 63.9 0.0 125.6
134 23.9 0.0 48.4

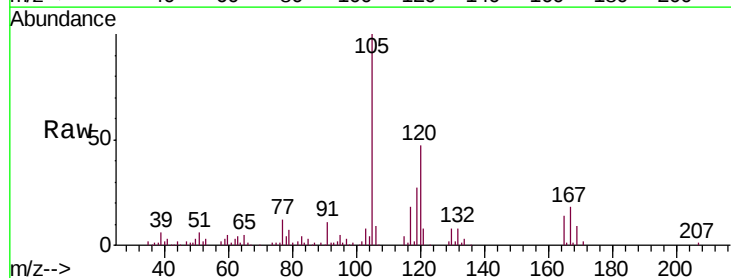


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

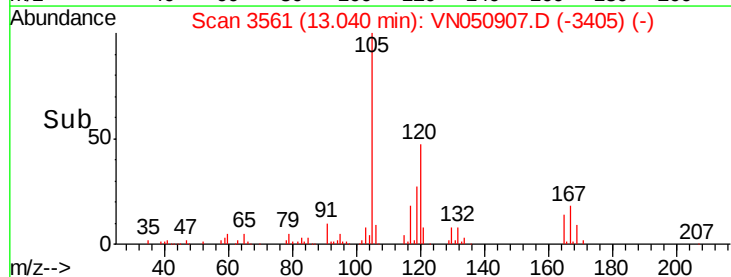
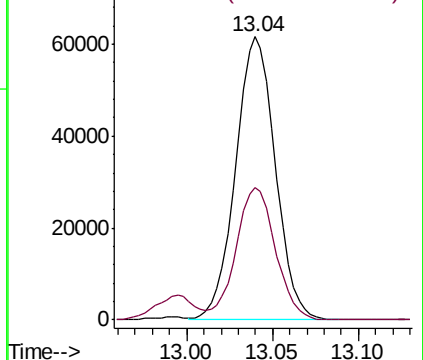


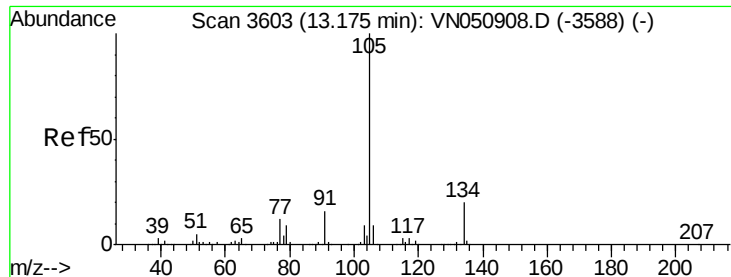
#80
1,2,4-Trimethylbenzene
Concen: 4.118 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:105 Resp: 99027
Ion Ratio Lower Upper
105 100
120 46.3 0.0 93.6



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

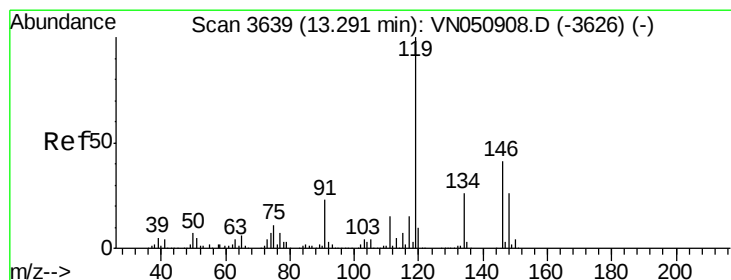
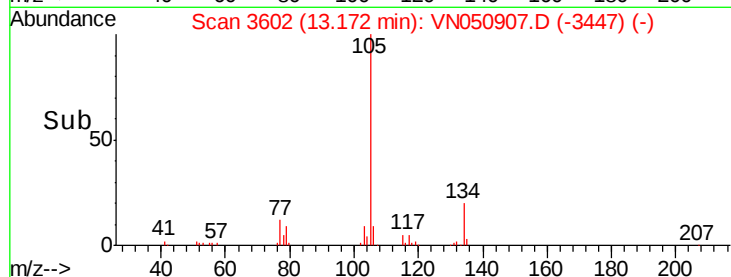
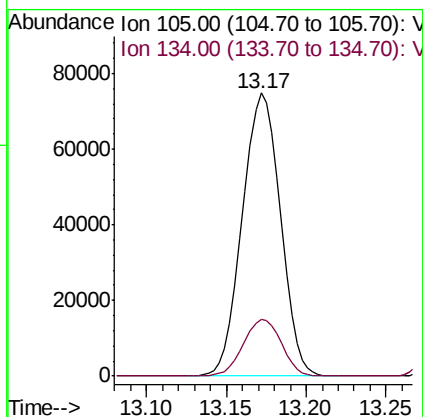
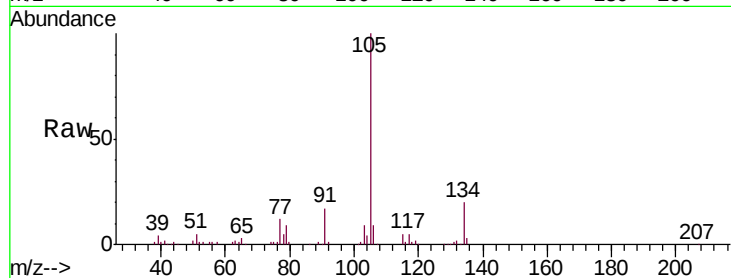




#81
 sec-Butylbenzene
 Concen: 4.449 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

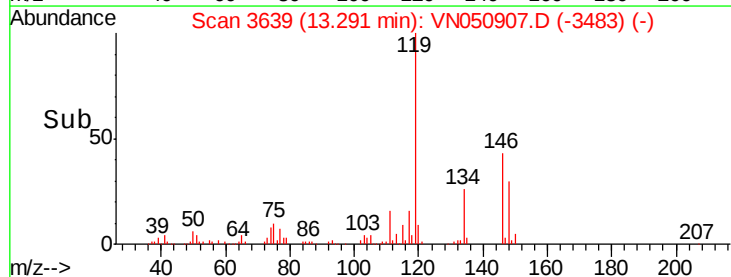
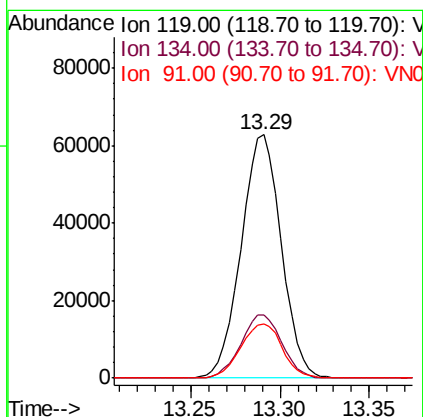
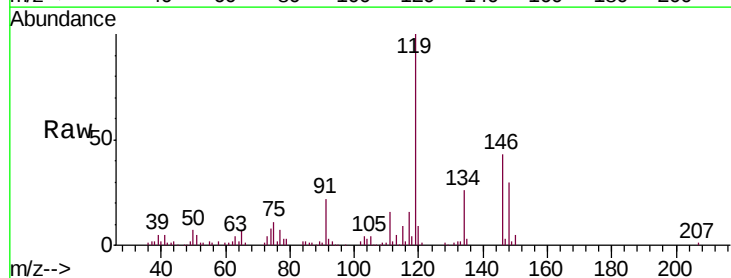
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

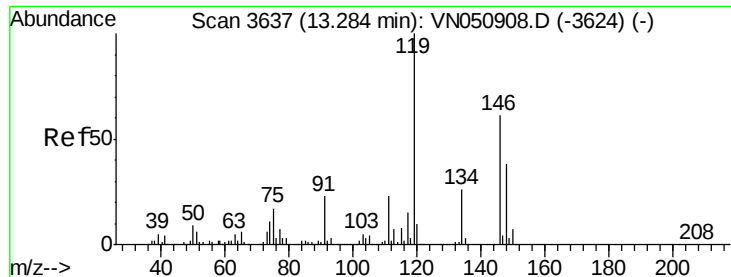
Tgt Ion:105 Resp: 121955
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.8



#82
 p-Isopropyltoluene
 Concen: 4.163 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion:119 Resp: 98490
 Ion Ratio Lower Upper
 119 100
 134 26.5 0.0 53.2
 91 23.1 0.0 46.0

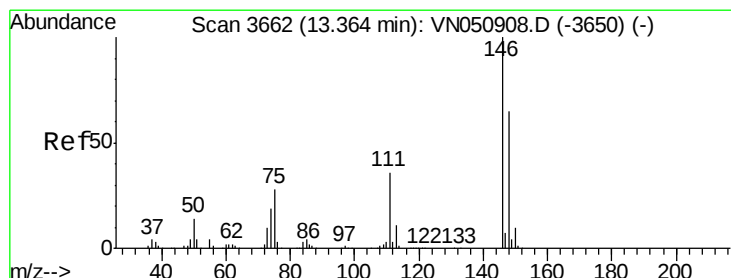
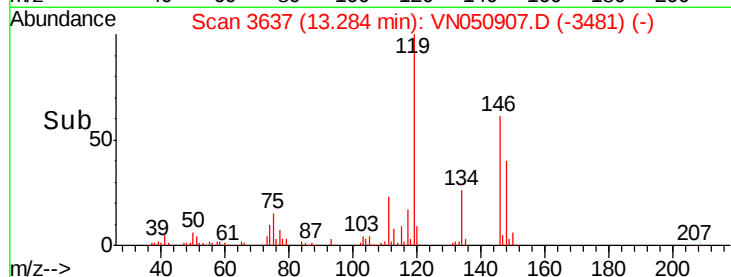
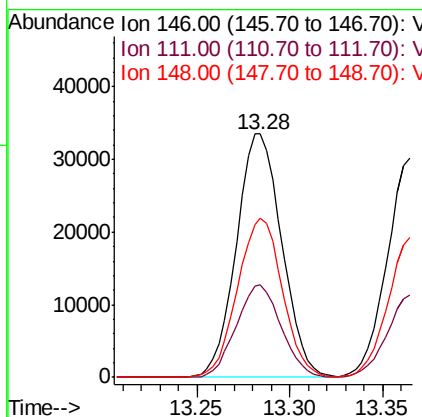
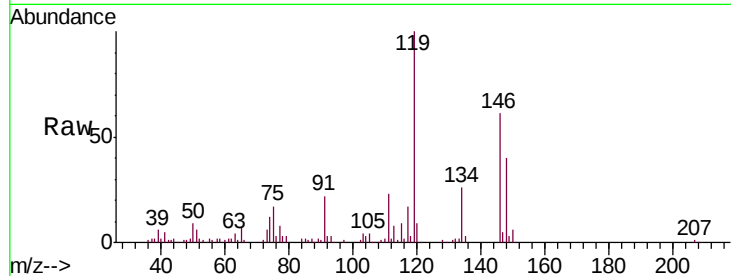




#83
 1,3-Dichlorobenzene
 Concen: 4.335 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

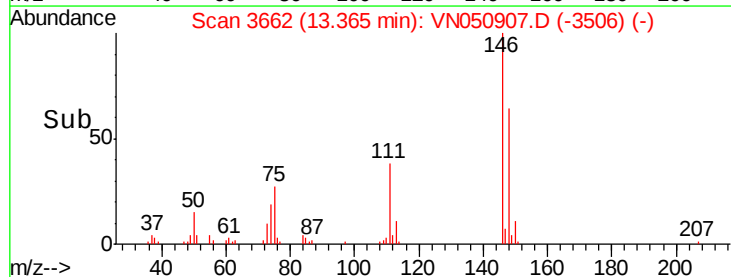
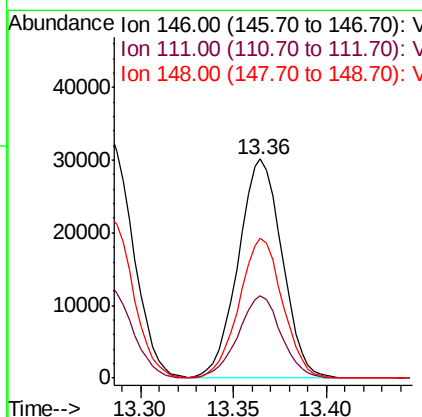
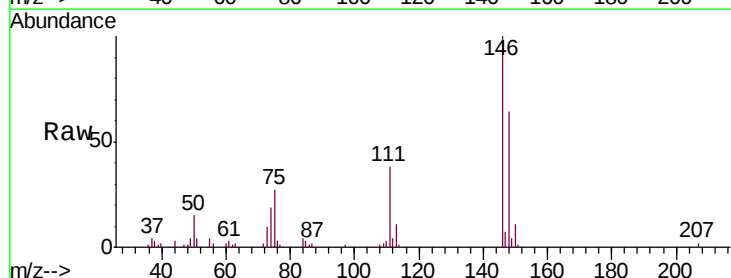
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

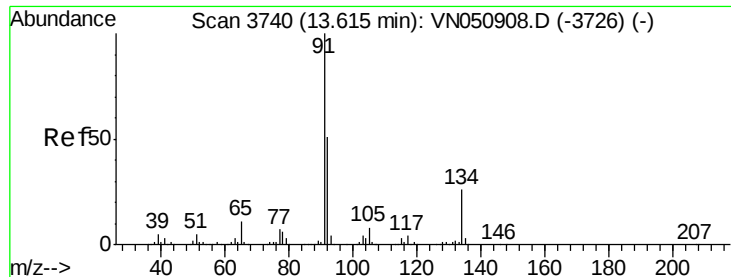
Tgt Ion:146 Resp: 56921
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.6 55.6
 148 64.7 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 3.989 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion:146 Resp: 49626
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.7 53.1
 148 63.0 31.6 94.8





#85

n-Butylbenzene

Concen: 3.511 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050907.D

Acq: 28 Aug 2018 12:01

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

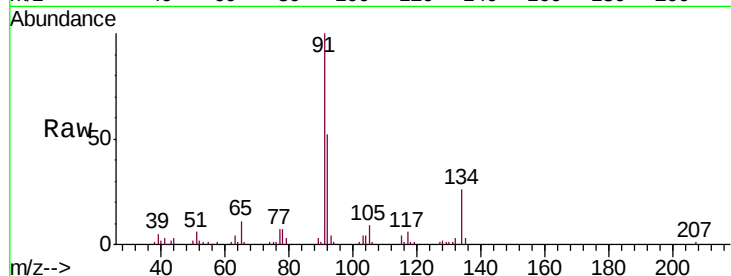
Tgt Ion: 91 Resp: 63378

Ion Ratio Lower Upper

91 100

92 51.7 0.0 101.8

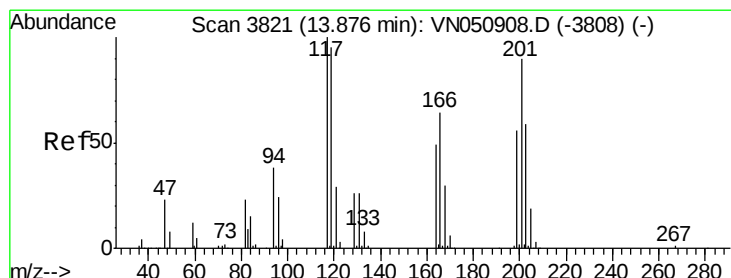
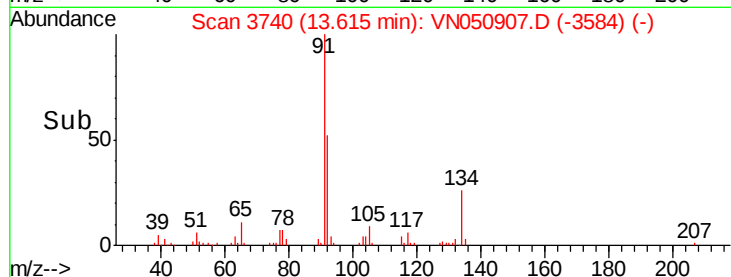
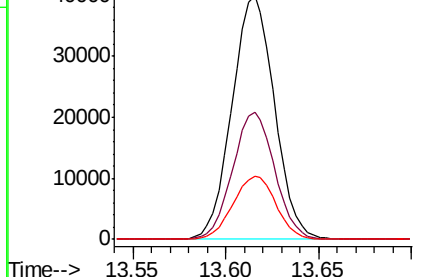
134 26.2 0.0 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN050907.D (-3726) (-)

Ion 92.00 (91.70 to 92.70): VN050907.D (-3726) (-)

Ion 134.00 (133.70 to 134.70): VN050907.D (-3726) (-)



#86

Hexachloroethane

Concen: 5.110 ug/l

RT: 13.87 min Scan# 3820

Delta R.T. -0.00 min

Lab File: VN050907.D

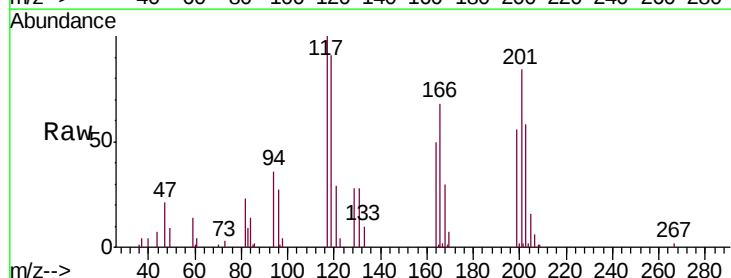
Acq: 28 Aug 2018 12:01

Tgt Ion: 117 Resp: 23206

Ion Ratio Lower Upper

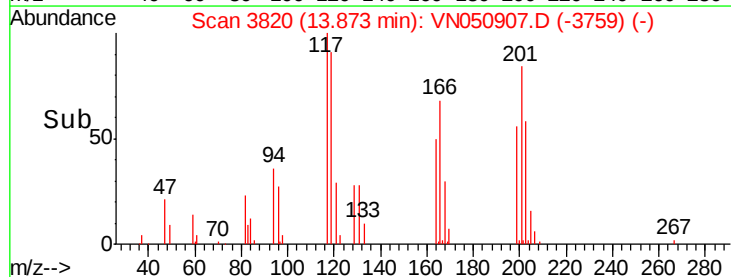
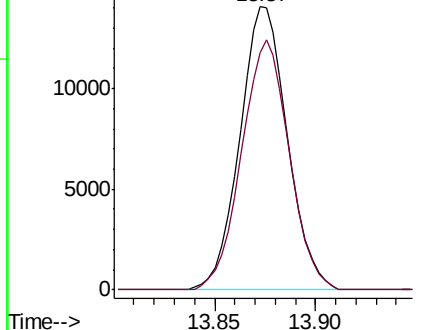
117 100

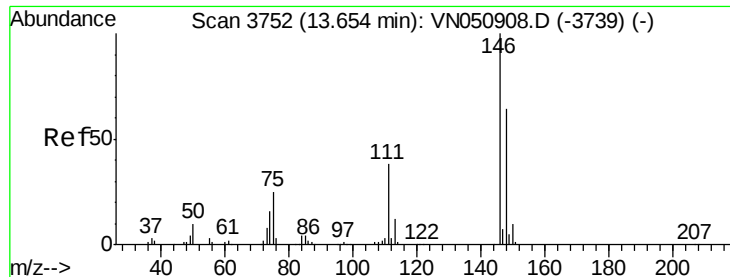
201 88.1 45.8 137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050907.D (-3808) (-)

Ion 201.00 (200.70 to 201.70): VN050907.D (-3808) (-)

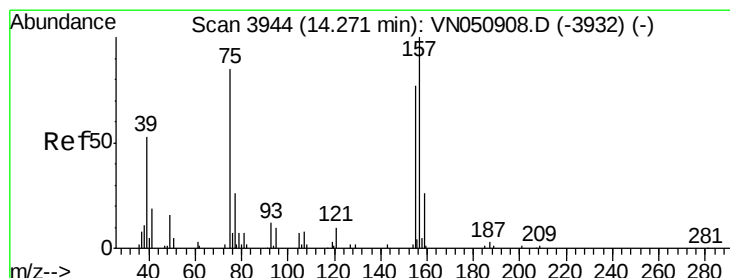
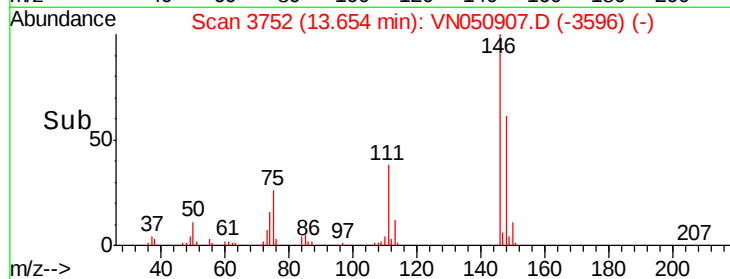
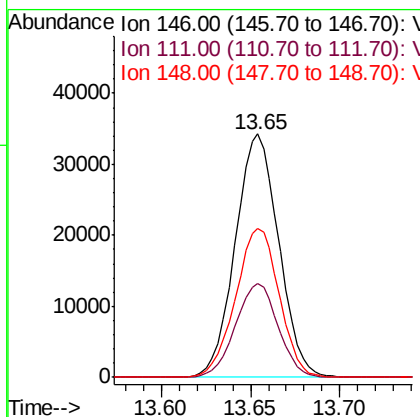
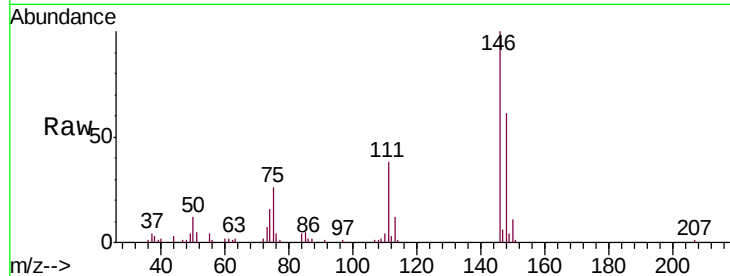




#87
 1,2-Dichlorobenzene
 Concen: 4.513 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

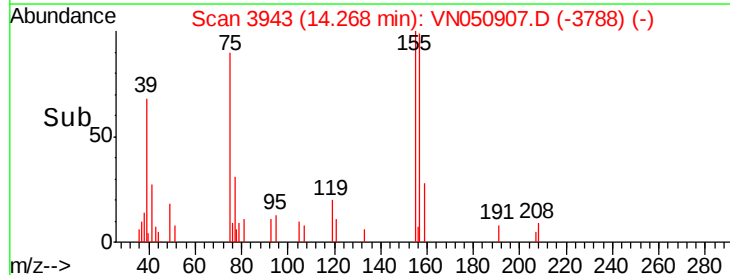
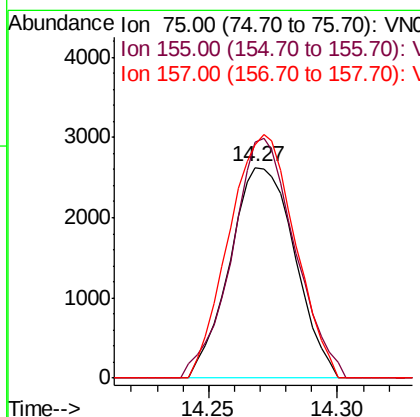
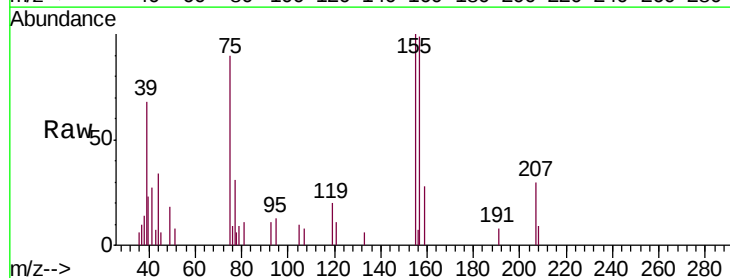
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

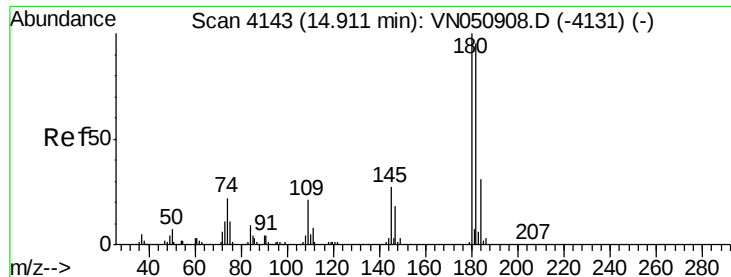
Tgt Ion:146 Resp: 58325
 Ion Ratio Lower Upper
 146 100
 111 37.8 19.1 57.1
 148 61.4 31.9 95.9



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.129 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion: 75 Resp: 4616
 Ion Ratio Lower Upper
 75 100
 155 110.0 71.8 107.6#
 157 117.2 91.1 136.7

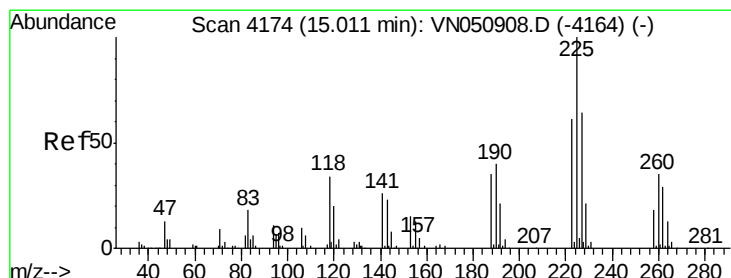
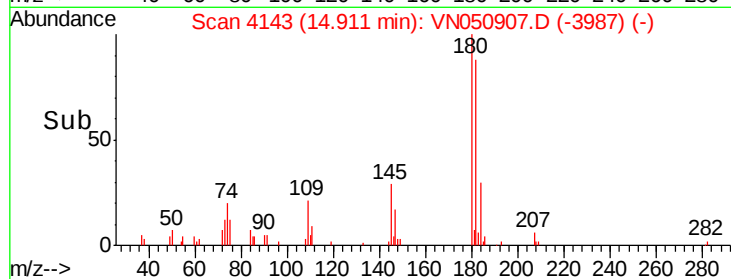
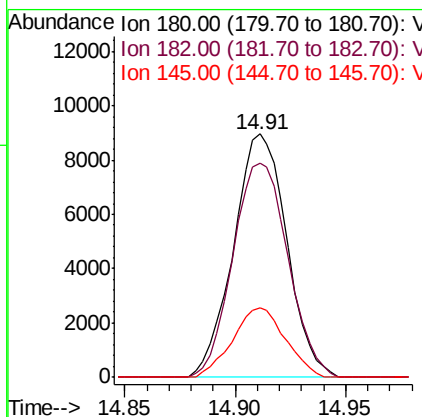
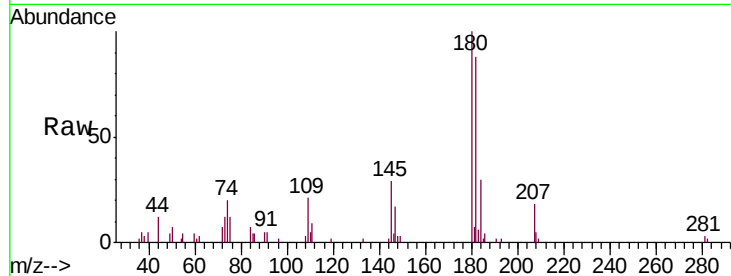




#89
 1,2,4-Trichlorobenzene
 Concen: 2.617 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

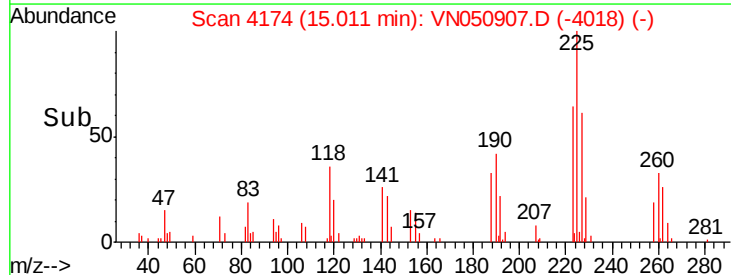
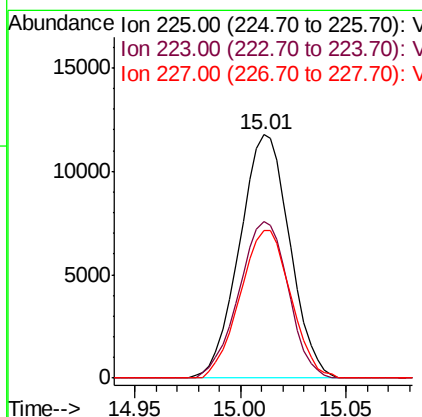
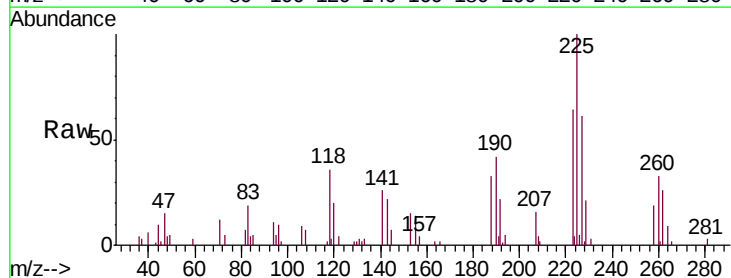
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

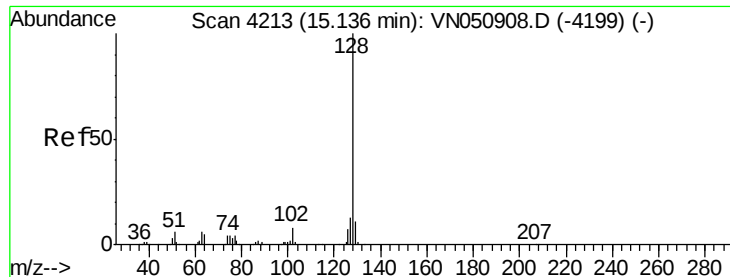
Tgt Ion:180 Resp: 15057
 Ion Ratio Lower Upper
 180 100
 182 91.0 76.2 114.4
 145 28.2 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 4.986 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050907.D
 Acq: 28 Aug 2018 12:01

Tgt Ion:225 Resp: 19491
 Ion Ratio Lower Upper
 225 100
 223 63.2 0.0 127.8
 227 61.0 0.0 128.4

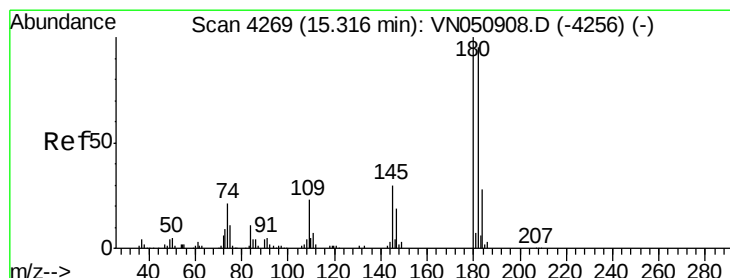
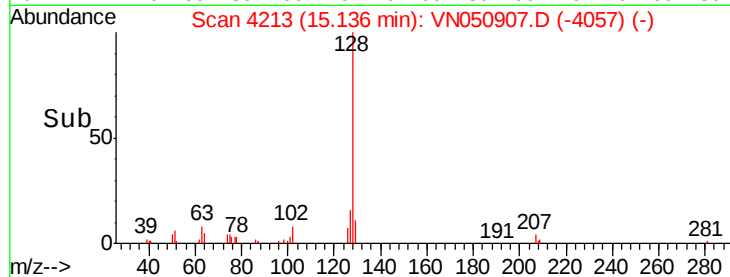
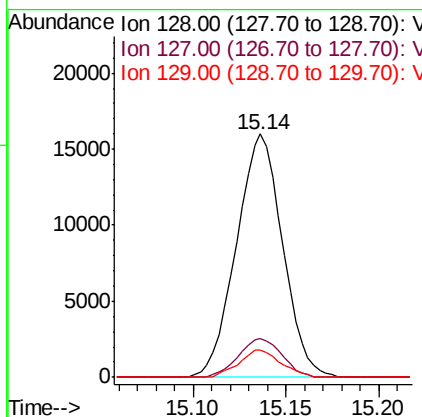
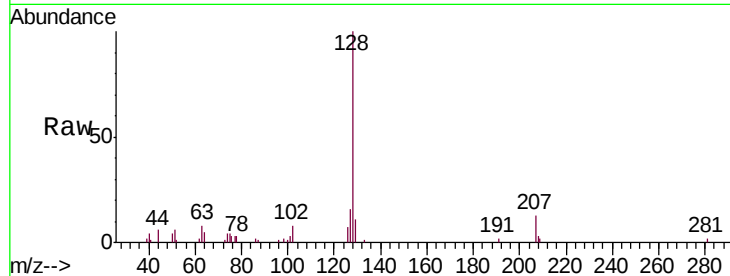




#91
Naphthalene
Concen: 2.241 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 27631
Ion Ratio Lower Upper
128 100
127 15.0 10.6 16.0
129 10.2 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 2.982 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050907.D
Acq: 28 Aug 2018 12:01

Tgt Ion:180 Resp: 17216
Ion Ratio Lower Upper
180 100
182 100.1 0.0 192.8
145 34.1 0.0 60.0

