

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051472.D
 Acq On : 25 Sep 2018 9:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 26 01:28:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	91234	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	458327	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397574	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	195969	31.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.03%
60) 4-Bromofluorobenzene	12.40	95	152709	26.16	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	87.20%
63) Toluene-d8	10.09	98	593026	31.11	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	25376	6.494	ug/l 100
3) Chloromethane	2.06	50	40372	6.009	ug/l 100
4) Vinyl Chloride	2.19	62	40382	5.633	ug/l 100
5) Bromomethane	2.57	94	27062	5.776	ug/l 100
6) Chloroethane	2.70	64	25465	5.763	ug/l 100
7) Trichlorofluoromethane	3.02	101	48813	5.246	ug/l 100
8) Diethyl Ether	3.41	74	12695	4.538	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	25945	5.491	ug/l 100
10) 1,1-Dichloroethene	3.74	96	21181	4.921	ug/l 100
11) Methyl Iodide	3.96	142	29337	4.622	ug/l 100
12) Methyl Acetate	4.33	43	18034	4.767	ug/l 100
13) Acrolein	3.61	56	7828	15.518	ug/l 100
14) Acrylonitrile	4.99	53	32424	21.100	ug/l 100
15) Acetone	3.82	58	5051	13.346	ug/l 99
16) Carbon Disulfide	4.06	76	70287	5.149	ug/l 100
17) Allyl chloride	4.33	41	33967	4.471	ug/l 100
18) Methylene Chloride	4.55	84	28119	5.471	ug/l 100
19) trans-1,2-Dichloroethene	5.05	96	22902	4.915	ug/l 100
20) Diisopropyl ether	5.95	45	60330	3.999	ug/l 100
21) 1,1-Dichloroethane	5.85	63	45046	4.957	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	23405	4.489	ug/l 100
23) tert-Butyl Alcohol	4.78	59	3494	12.074	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	44670	3.811	ug/l 100
25) Chloroform	7.37	83	47489	5.239	ug/l 100
26) Cyclohexane	7.65	56	31582	4.082	ug/l 100
29) 1,1-Dichloropropene	7.80	75	29742	4.609	ug/l 100
30) 2-Butanone	6.84	43	40085	24.047	ug/l 100
31) 2,2-Dichloropropane	6.82	77	37100	5.390	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	39968	5.425	ug/l 100
33) Carbon Tetrachloride	7.77	117	35936	5.316	ug/l 100
34) Benzene	8.04	78	96343	5.029	ug/l 100
35) Methacrylonitrile	7.17	41	8121	3.381	ug/l 100
36) 1,2-Dichloroethane	8.13	62	34862	5.588	ug/l 100
37) Trichloroethene	8.83	130	25796	5.080	ug/l 100
38) Methylcyclohexane	9.08	83	31383	4.195	ug/l 100
39) 1,2-Dichloropropane	9.12	63	27217	5.222	ug/l 100
40) Dibromomethane	9.21	93	16110	5.431	ug/l 100

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 Data File : VN051472.D
 Acq On : 25 Sep 2018 9:11
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 26 01:28:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	34365	5.269	ug/l	100
42) Vinyl Acetate	5.90	43	189078	20.399	ug/l	100
43) Ethyl Acetate	6.93	43	18004	5.191	ug/l	100
44) Isopropyl Acetate	8.16	43	28902	4.333	ug/l	100
45) 1,4-Dioxane	9.20	88	1738	42.826	ug/l #	21
46) Methyl methacrylate	9.20	41	12498	3.783	ug/l	100
47) n-amyl Acetate	12.07	43	17436	3.271	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	28527	4.405	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	34360	4.583	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	22977	5.417	ug/l	100
51) Ethyl methacrylate	10.43	69	19149	3.815	ug/l	100
52) 1,3-Dichloropropane	10.71	76	35196	4.919	ug/l	100
53) Dibromochloromethane	10.90	129	24444	5.010	ug/l	100
54) 1,2-Dibromoethane	11.00	107	19628	4.796	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	41298	16.661	ug/l	100
56) Bromoform	12.12	173	15985	4.860	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	79085	22.635	ug/l	100
59) 2-Hexanone	10.75	43	49304	21.440	ug/l	100
61) Tetrachloroethene	10.63	164	25992	5.619	ug/l	100
62) Toluene	10.16	91	105008	5.159	ug/l	100
64) Chlorobenzene	11.43	112	61534	4.931	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	25596	5.305	ug/l	100
66) Ethyl Benzene	11.51	91	89878	4.281	ug/l	100
67) m/p-Xylenes	11.62	106	67043	8.294	ug/l	100
68) o-Xylene	11.95	106	30850	4.007	ug/l	100
69) Styrene	11.96	104	45586	3.748	ug/l	100
70) Isopropylbenzene	12.25	105	82134	3.986	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	25427	5.243	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	28071	7.339	ug/l	69
73) Bromobenzene	12.53	156	22714	4.374	ug/l	100
74) n-propylbenzene	12.59	91	94180	3.932	ug/l	100
75) 2-Chlorotoluene	12.67	91	60552	4.284	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	67546	3.973	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	4525	3.431	ug/l	100
78) 4-Chlorotoluene	12.77	91	54622	3.896	ug/l	100
79) tert-butylbenzene	12.99	119	59349	4.009	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	62541	3.659	ug/l	100
81) sec-Butylbenzene	13.17	105	79281	3.894	ug/l	100
82) p-Isopropyltoluene	13.29	119	61887	3.521	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	37517	4.119	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	31004	3.624	ug/l	100
85) n-Butylbenzene	13.61	91	44305	3.070	ug/l	100
86) Hexachloroethane	13.87	117	17328	4.919	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	33894	3.926	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.26	75	2935	4.100	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	8043	1.870	ug/l	100
90) Hexachlorobutadiene	15.01	225	15979	4.794	ug/l	100
91) Naphthalene	15.13	128	13739	1.693	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	9679	2.229	ug/l	100

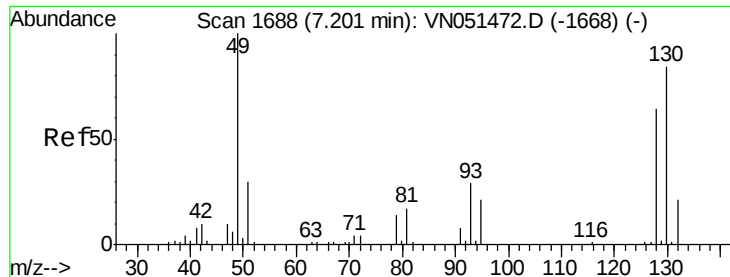
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
Data File : VN051472.D
Acq On : 25 Sep 2018 9:11
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 26 01:28:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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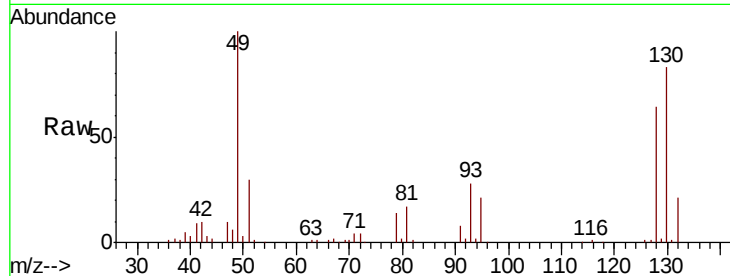
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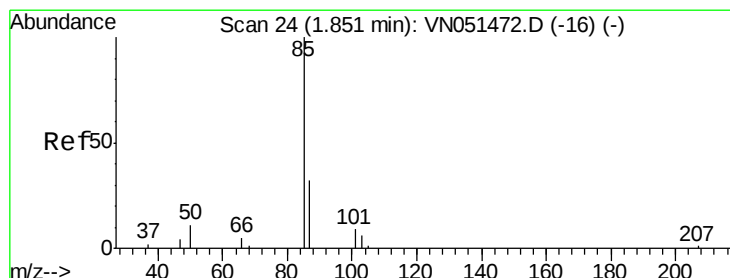
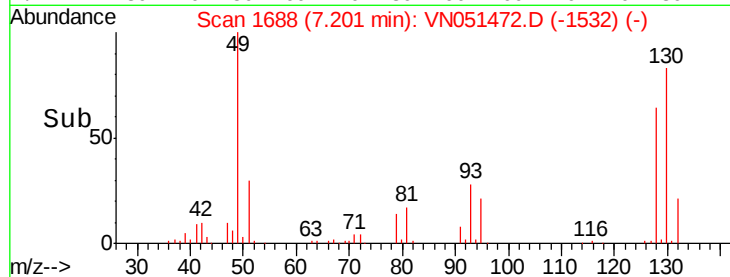
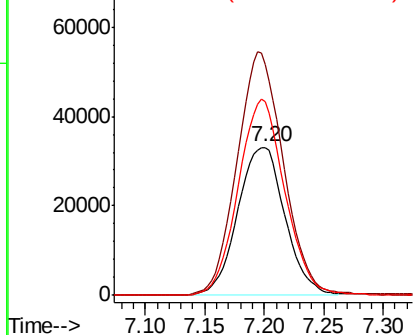
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:128 Resp: 91234
 Ion Ratio Lower Upper
 128 100
 49 161.3 0.0 403.3
 130 130.4 0.0 326.0

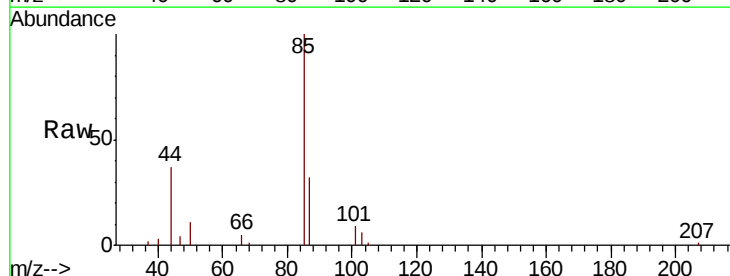


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

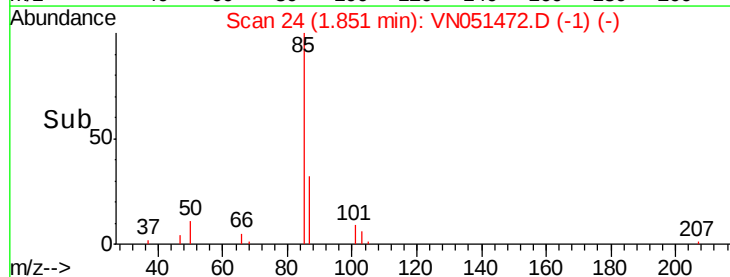
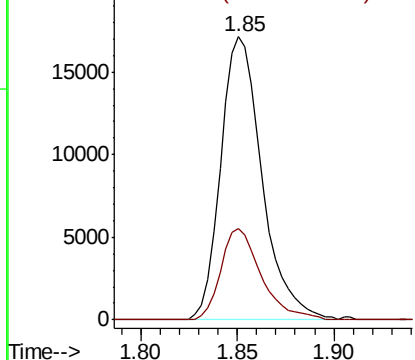


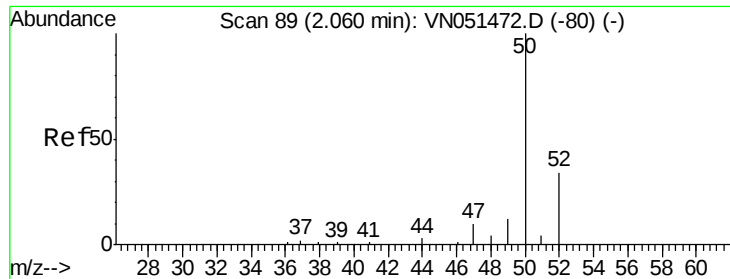
#2
 Dichlorodifluoromethane
 Concen: 6.494 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 85 Resp: 25376
 Ion Ratio Lower Upper
 85 100
 87 32.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN
 Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 6.009 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

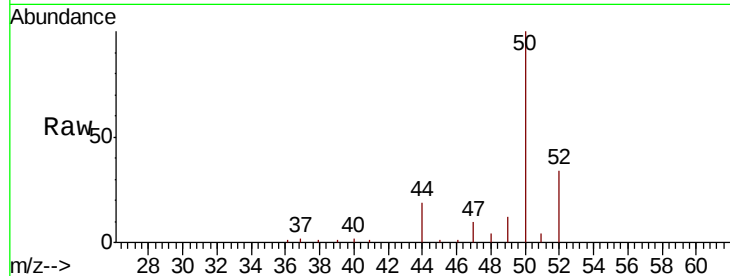
VSTDIC005

Tot Ion: 50 Resp: 40372

Ion Ratio Lower Upper

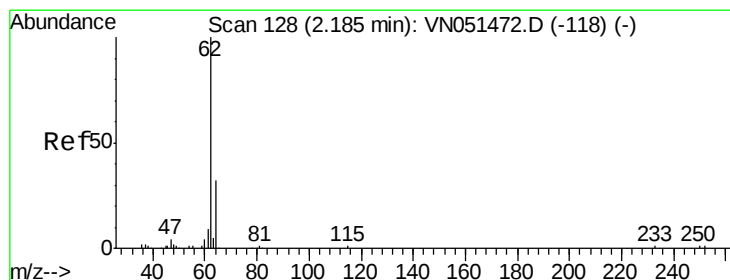
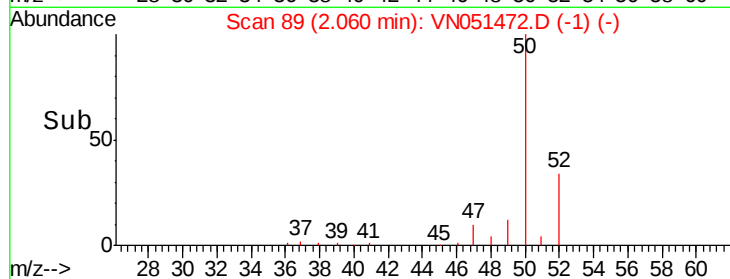
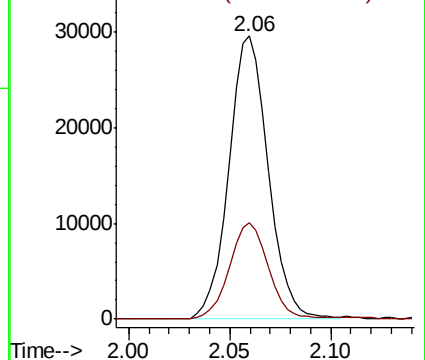
50 100

52 34.0 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 5.633 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051472.D

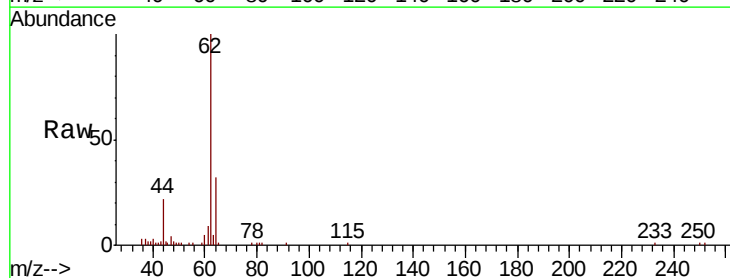
Acq: 25 Sep 2018 9:11

Tgt Ion: 62 Resp: 40382

Ion Ratio Lower Upper

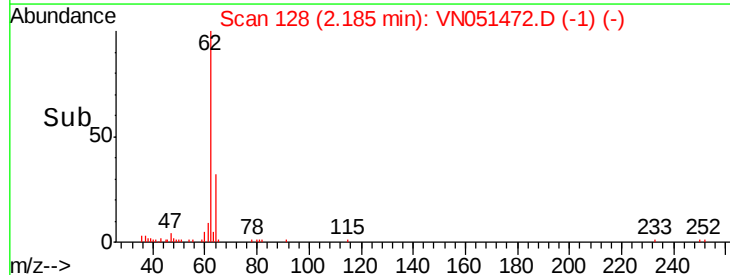
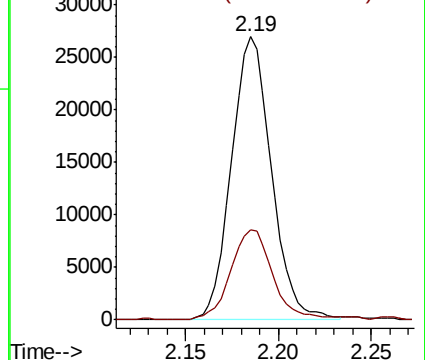
62 100

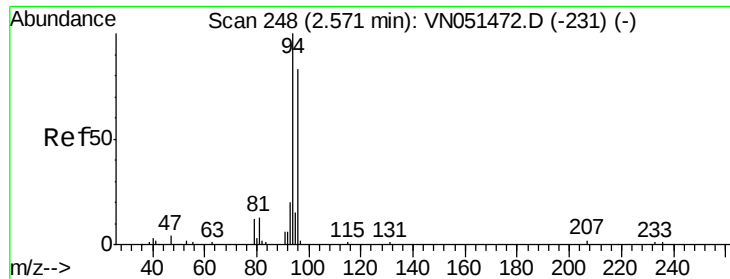
64 31.8 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 5.776 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

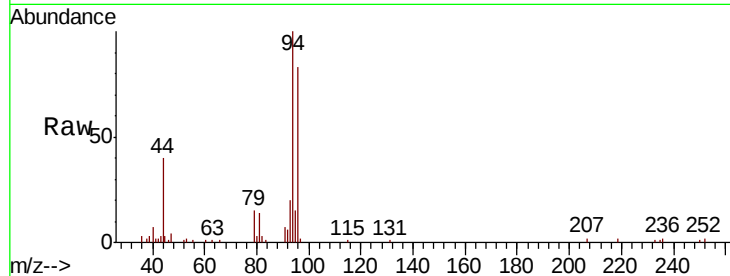
VSTDIC005

Tot Ion: 94 Resp: 27062

Ion Ratio Lower Upper

94 100

96 83.0 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

15000

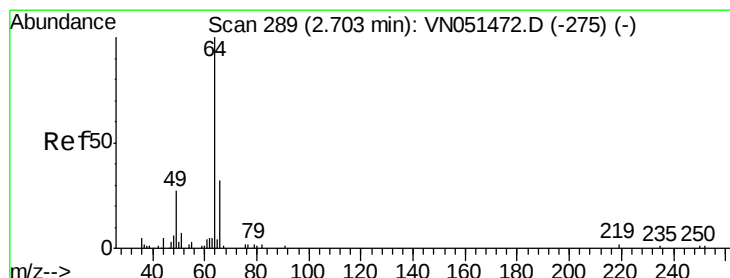
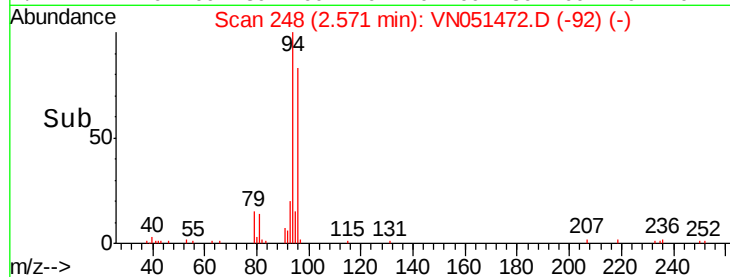
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 5.763 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051472.D

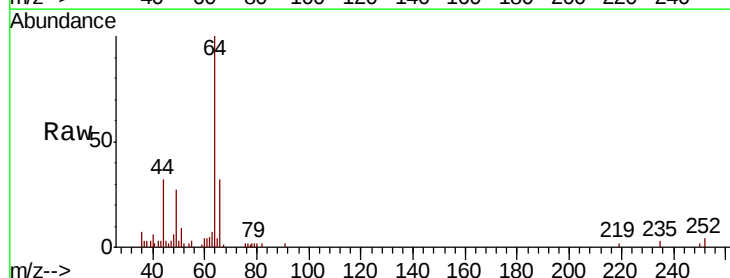
Acq: 25 Sep 2018 9:11

Tgt Ion: 64 Resp: 25465

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

15000

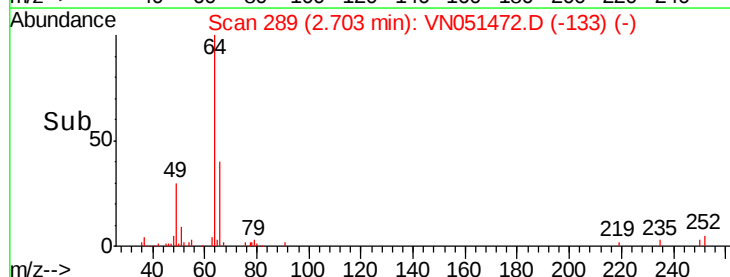
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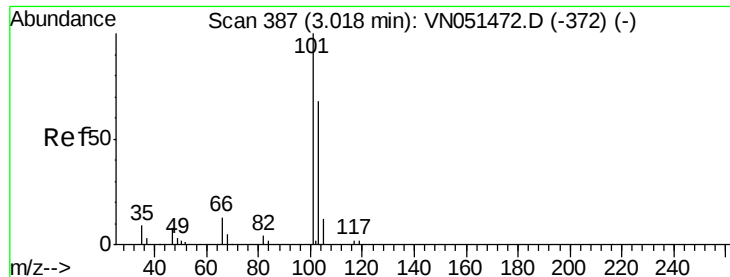
5000

0

2.65 2.70 2.75

Time-->



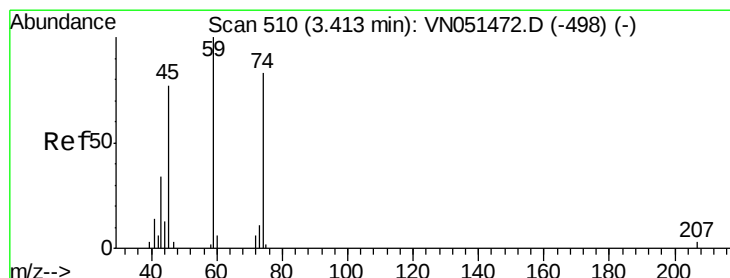
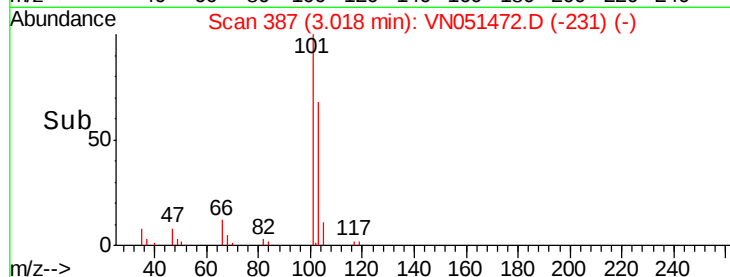
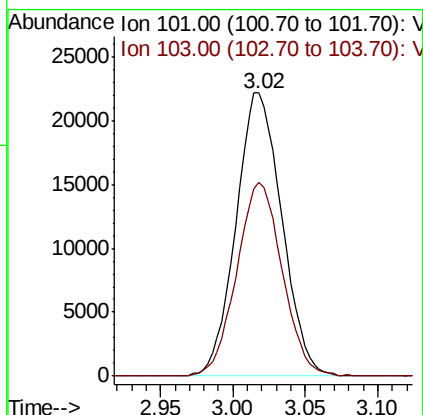
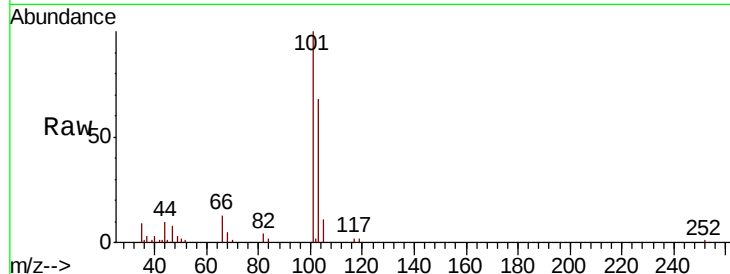


#7

Trichlorofluoromethane
 Concen: 5.246 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

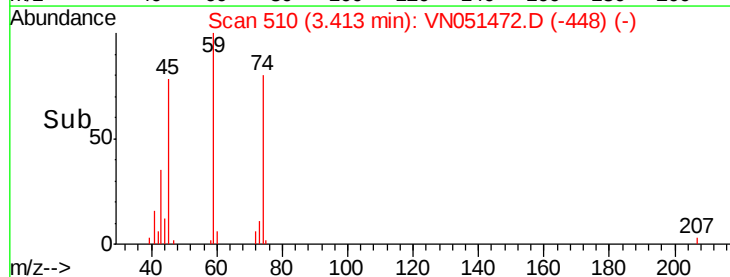
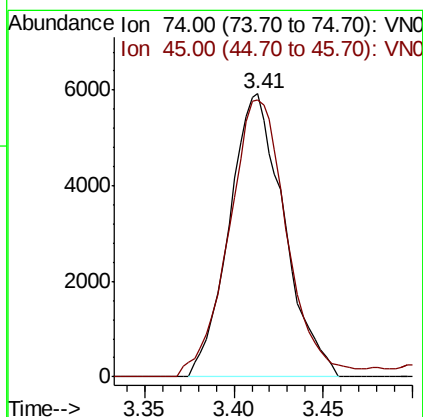
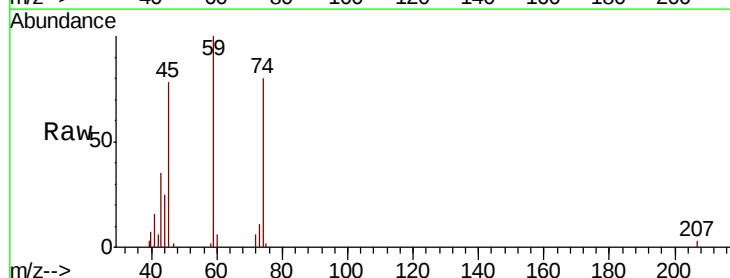
Tot Ion:101 Resp: 48813
 Ion Ratio Lower Upper
 101 100
 103 68.5 54.8 82.2

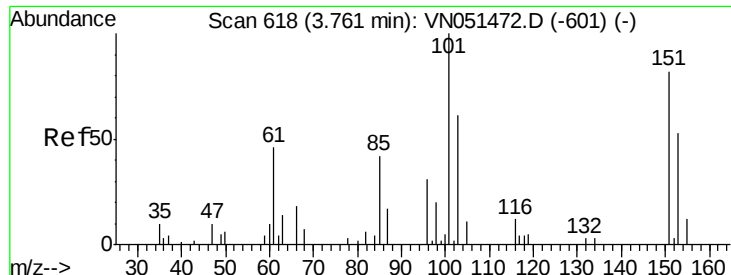


#8

Diethyl Ether
 Concen: 4.538 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 74 Resp: 12695
 Ion Ratio Lower Upper
 74 100
 45 103.6 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.491 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

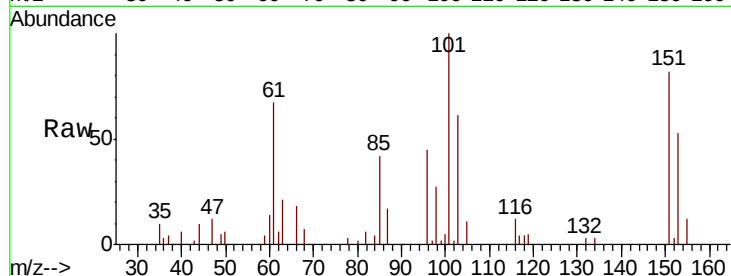
Tot Ion:101 Resp: 25945

Ion Ratio Lower Upper

101 100

85 23.0 0.0 46.0

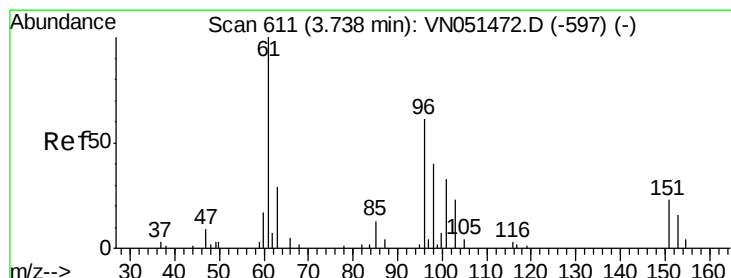
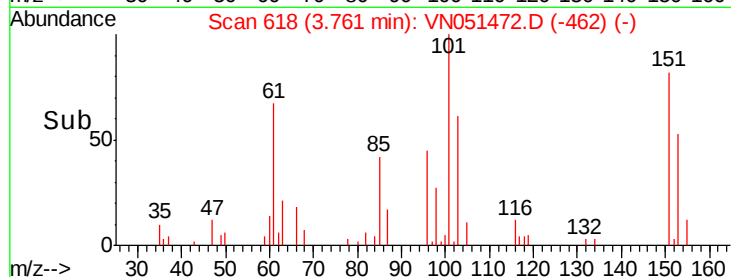
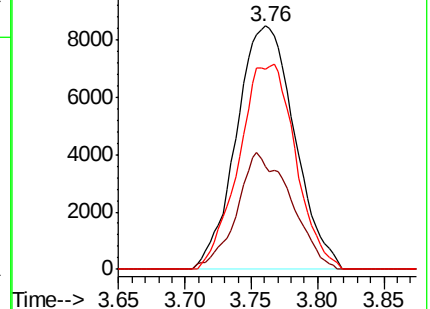
151 41.1 0.0 82.2



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: 4.921 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

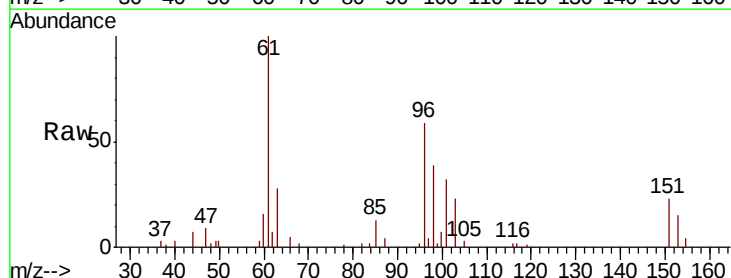
Tgt Ion: 96 Resp: 21181

Ion Ratio Lower Upper

96 100

61 166.3 133.0 199.6

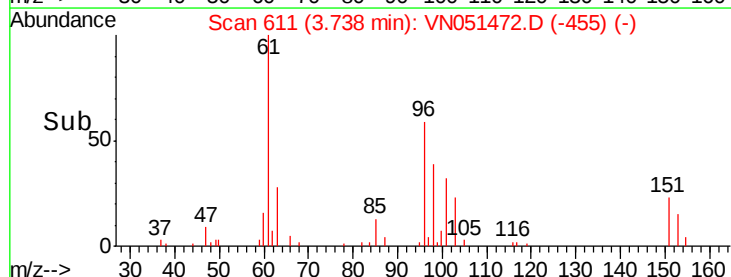
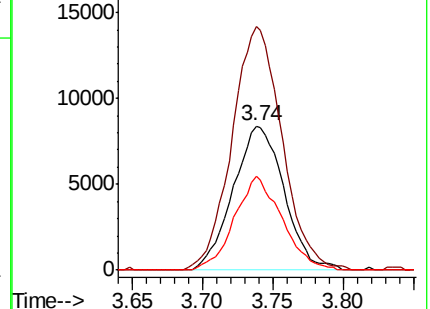
98 65.7 52.6 78.8

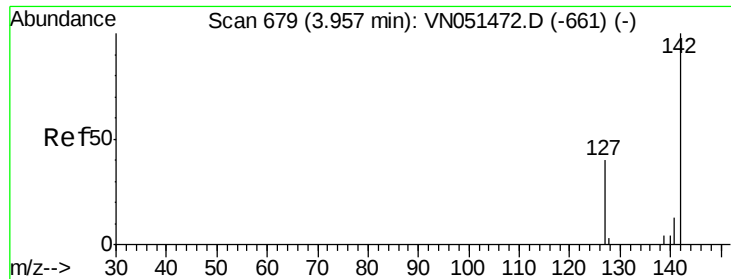


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

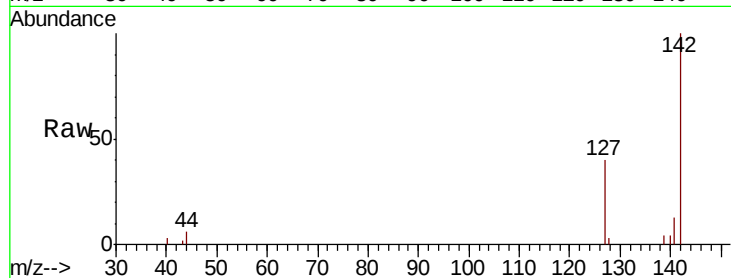




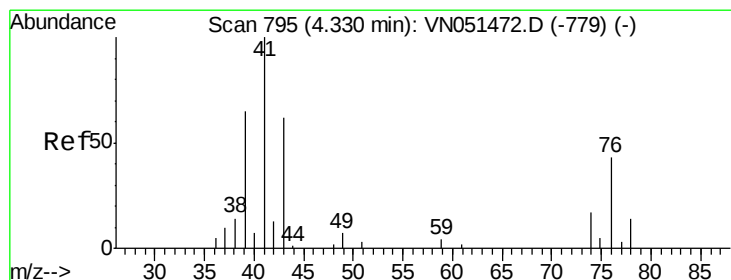
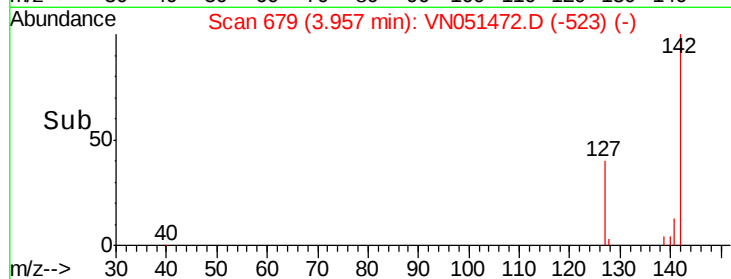
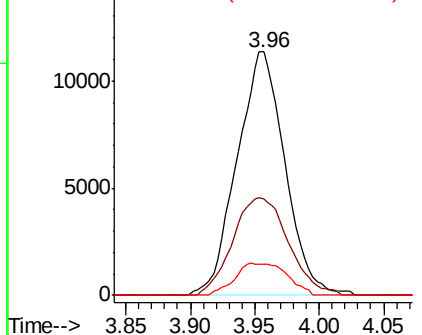
#11
Methyl Iodide
Concen: 4.622 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:142 Resp: 29337
Ion Ratio Lower Upper
142 100
127 39.3 19.7 59.0
141 12.6 6.3 18.9

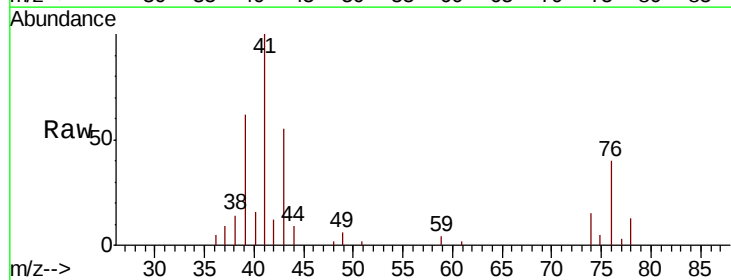


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

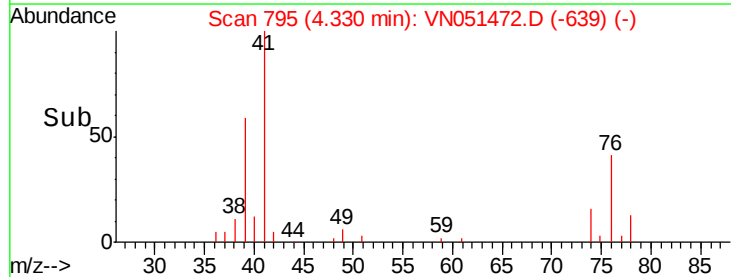
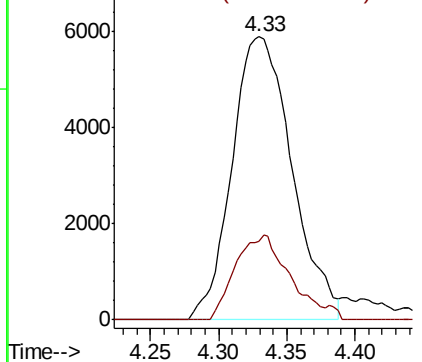


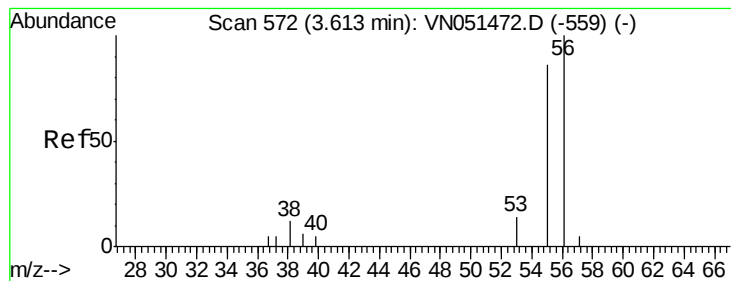
#12
Methyl Acetate
Concen: 4.767 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 43 Resp: 18034
Ion Ratio Lower Upper
43 100
74 27.2 21.8 32.6



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





#13

Acrolein

Concen: 15.518 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

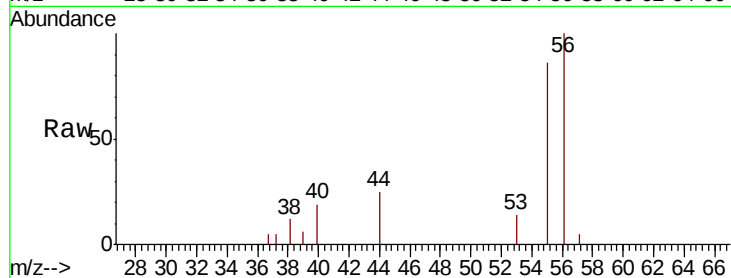
VSTDIC005

Tot Ion: 56 Resp: 7828

Ion Ratio Lower Upper

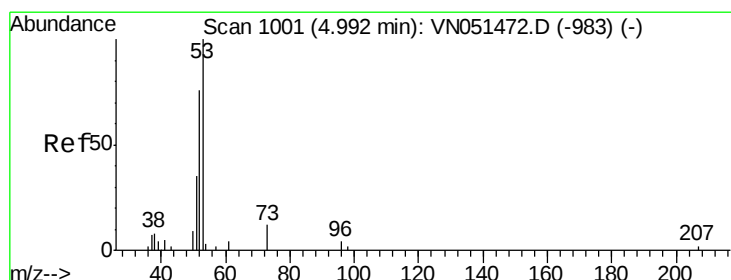
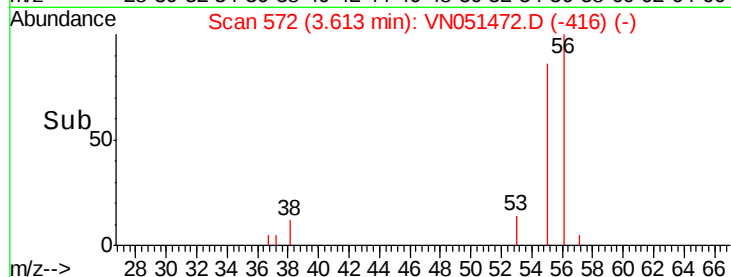
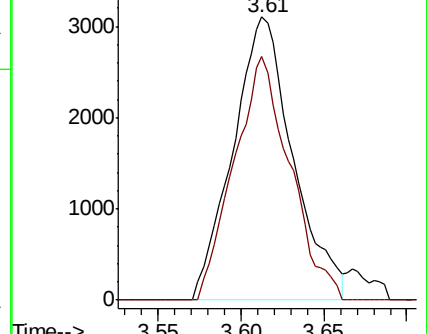
56 100

55 80.0 64.0 96.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 21.100 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

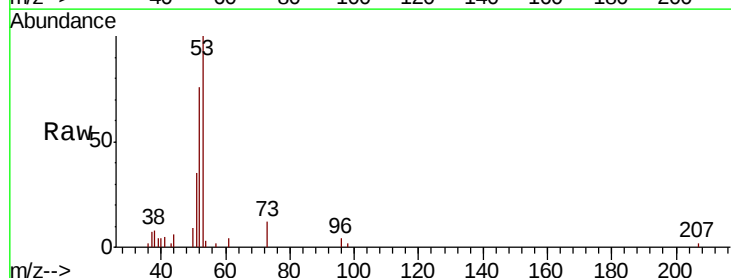
Tgt Ion: 53 Resp: 32424

Ion Ratio Lower Upper

53 100

52 36.5 18.3 54.8

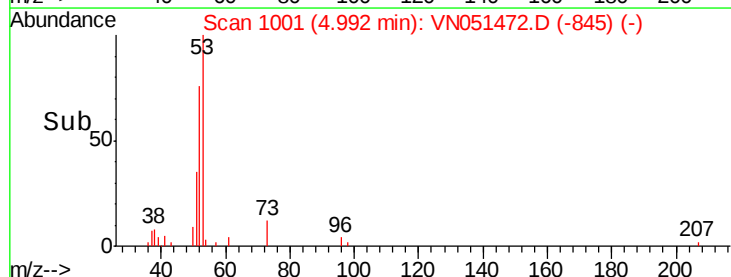
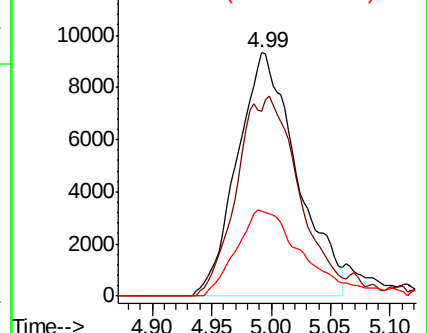
51 39.4 19.7 59.1

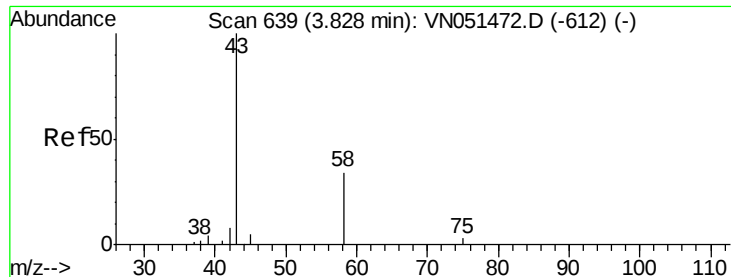


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 13.346 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.01 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

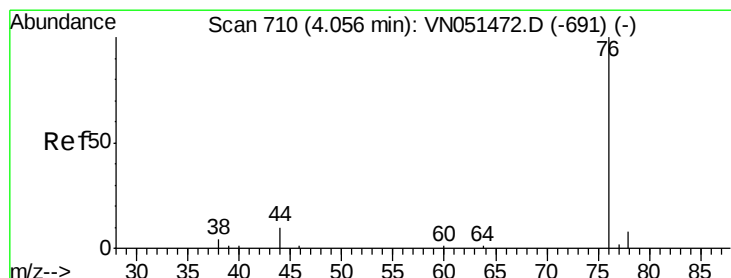
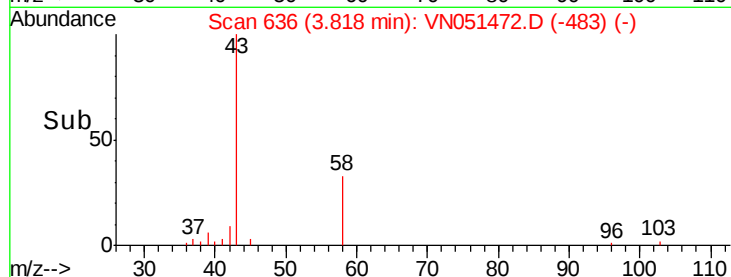
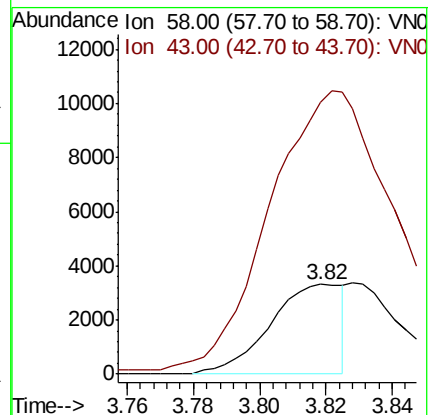
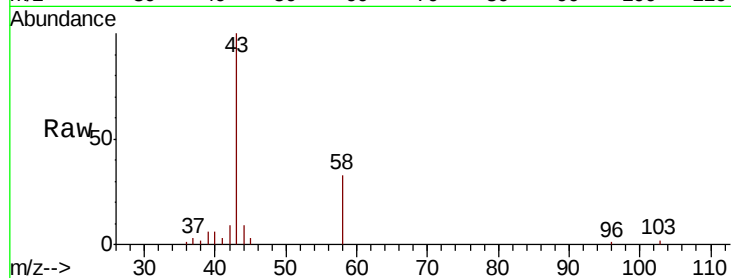
VSTDIC005

Tot Ion: 58 Resp: 5051

Ion Ratio Lower Upper

58 100

43 288.3 232.2 348.2



#16

Carbon Disulfide

Concen: 5.149 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051472.D

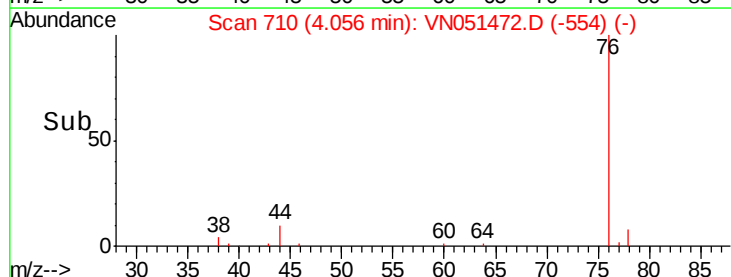
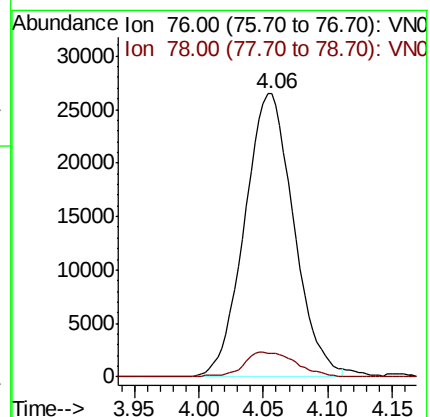
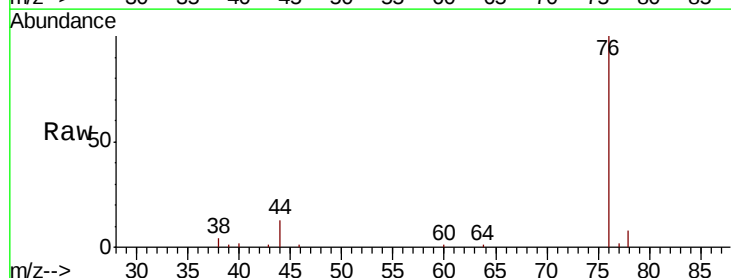
Acq: 25 Sep 2018 9:11

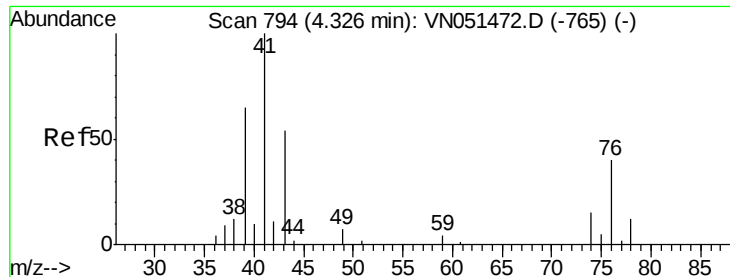
Tgt Ion: 76 Resp: 70287

Ion Ratio Lower Upper

76 100

78 8.4 6.7 10.1

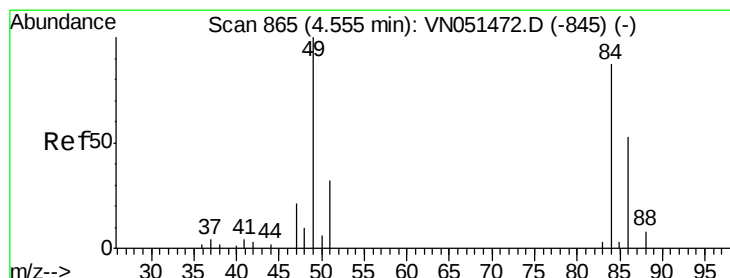
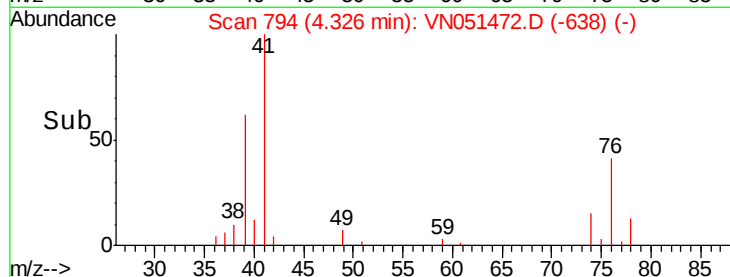
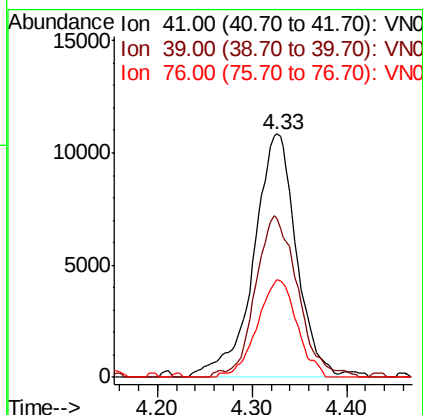
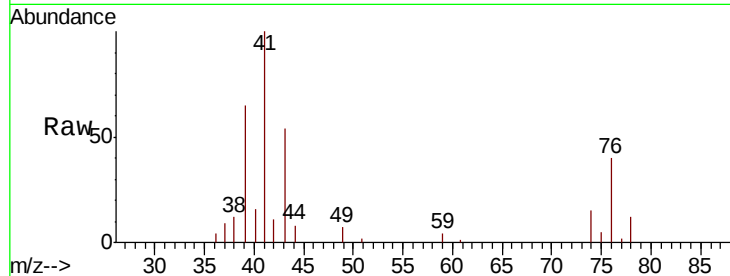




#17
Allvl chloride
Concen: 4.471 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

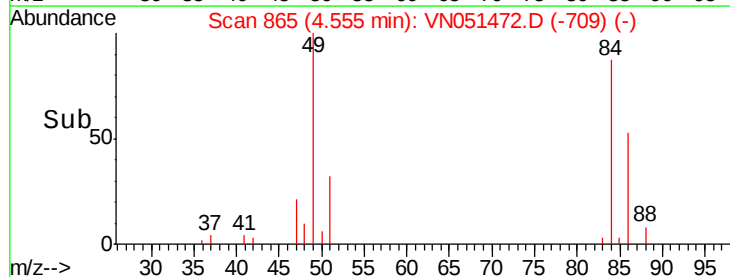
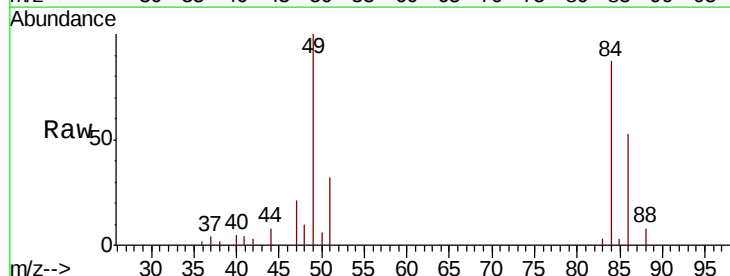
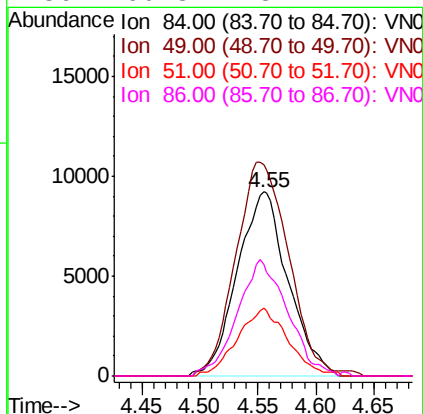
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

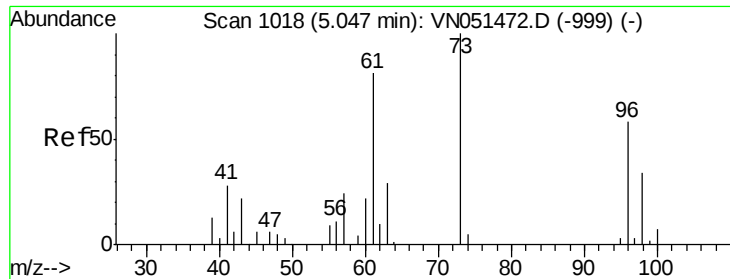
Tot Ion: 41 Resp: 33967
Ion Ratio Lower Upper
41 100
39 65.2 32.6 97.8
76 40.3 20.2 60.5



#18
Methylene Chloride
Concen: 5.471 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 84 Resp: 28119
Ion Ratio Lower Upper
84 100
49 114.5 91.6 137.4
51 37.2 29.8 44.6
86 60.3 48.2 72.4





#19

trans-1,2-Dichloroethene

Concen: 4.915 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

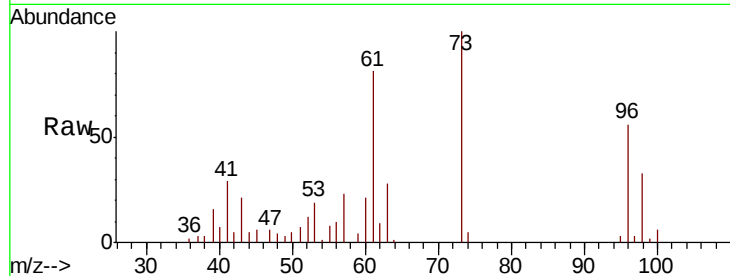
Tot Ion: 96 Resp: 22902

Ion Ratio Lower Upper

96 100

61 140.4 112.3 168.5

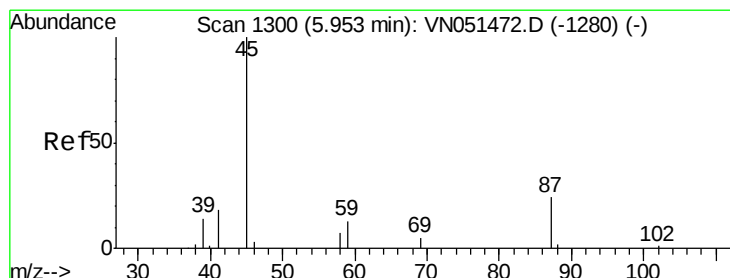
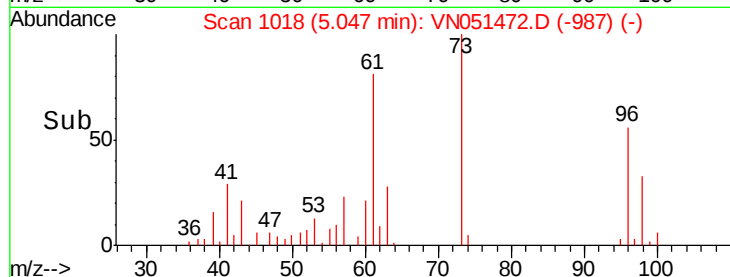
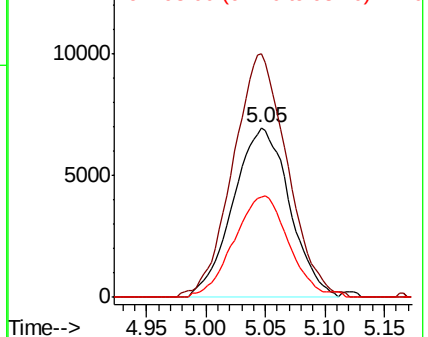
98 58.9 47.1 70.7



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: 3.999 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Tgt Ion: 45 Resp: 60330

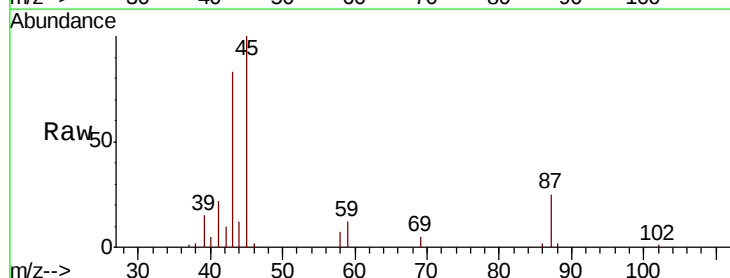
Ion Ratio Lower Upper

45 100

43 77.6 62.1 93.1

87 24.9 19.9 29.9

59 12.2 9.8 14.6

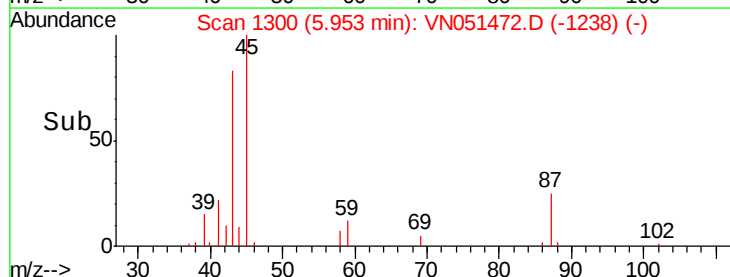
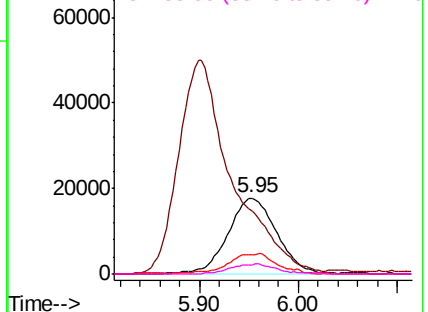


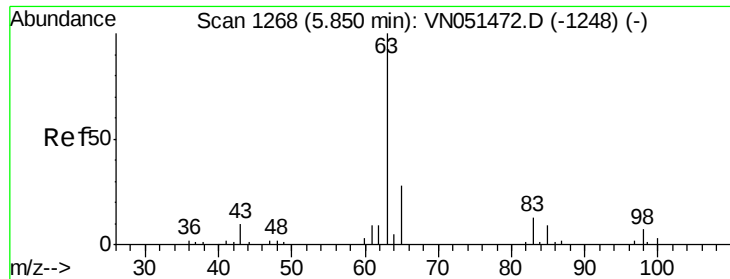
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

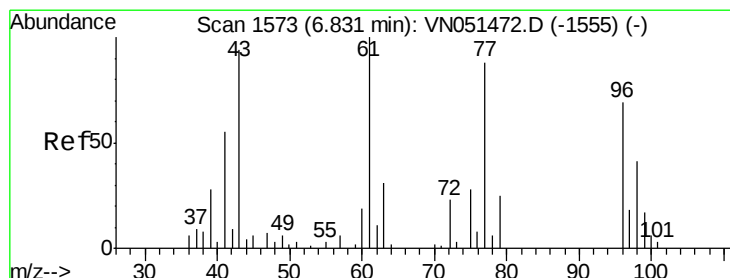
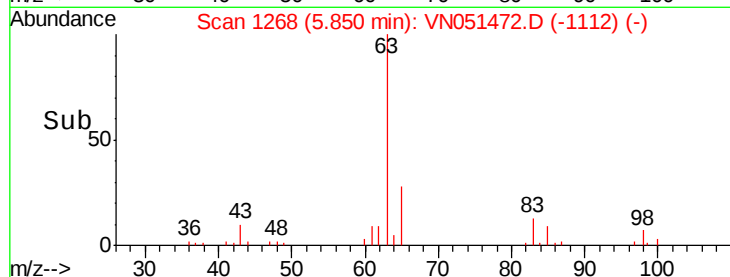
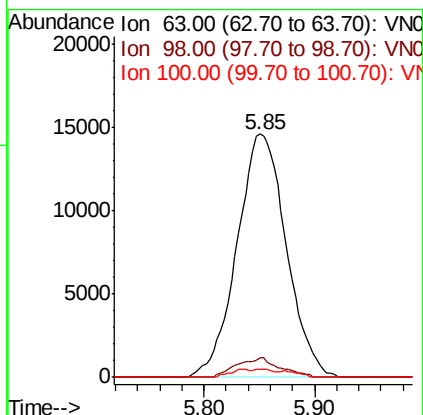
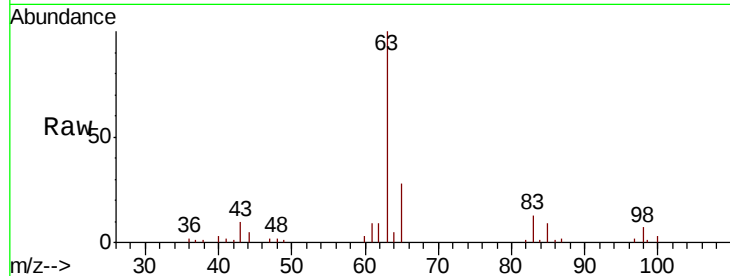




#21
 1,1-Dichloroethane
 Concen: 4.957 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

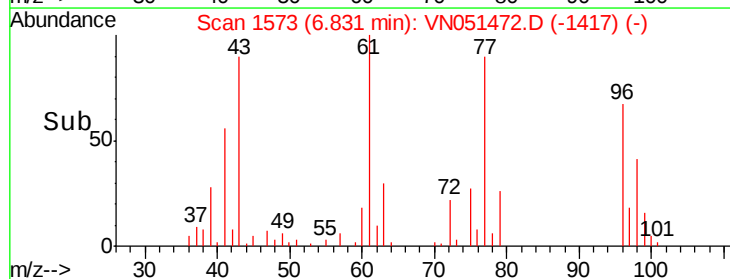
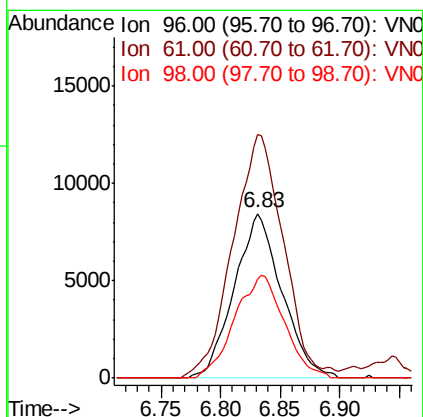
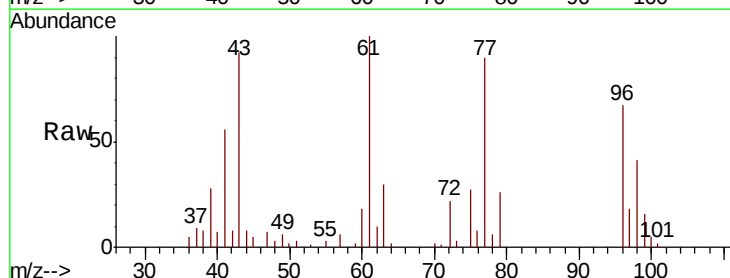
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

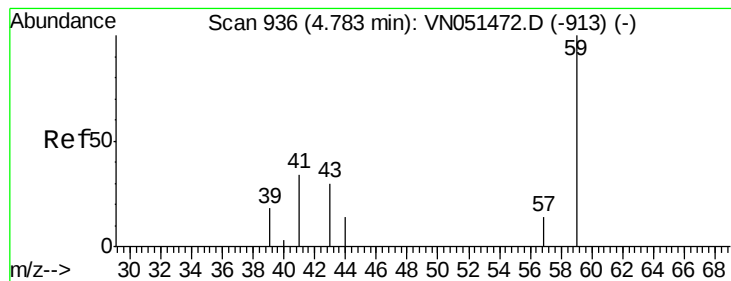
Tot Ion	63	Resp	45046
Ion Ratio	Lower	Upper	
63	100		
98	8.2	4.1	12.3
100	3.1	1.6	4.7



#22
 cis-1,2-Dichloroethene
 Concen: 4.489 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion	96	Resp	23405
Ion Ratio	Lower	Upper	
96	100		
61	155.6	124.5	186.7
98	64.9	51.9	77.9





#23

tert-Butyl Alcohol

Concen: 12.074 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

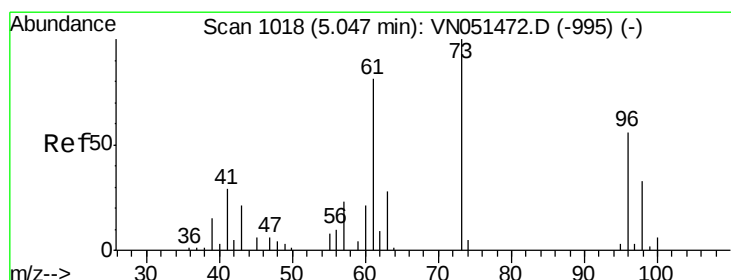
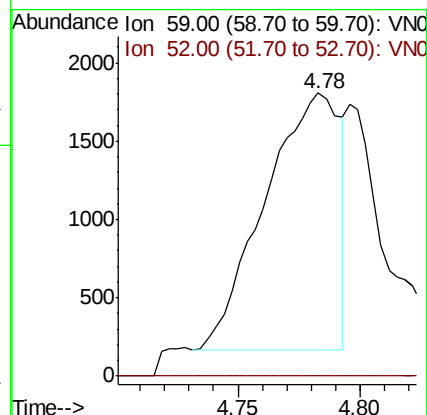
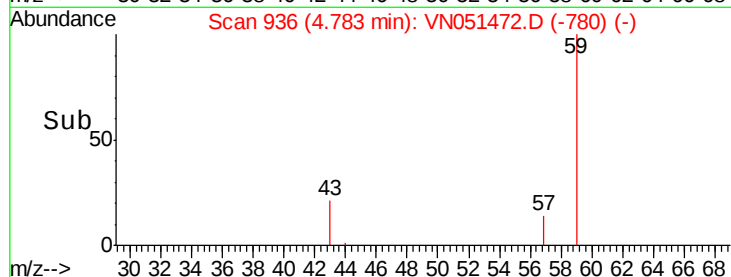
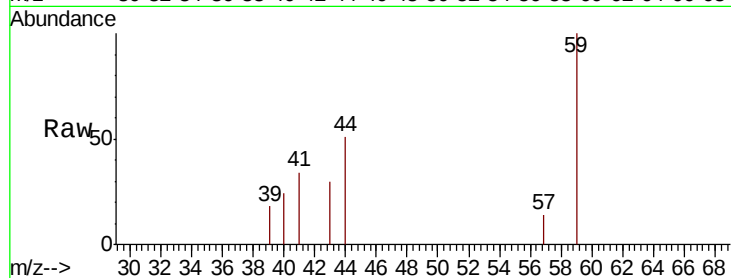
VSTDIC005

Tot Ion: 59 Resp: 3494

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#24

Methyl tert-Butyl Ether

Concen: 3.811 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN051472.D

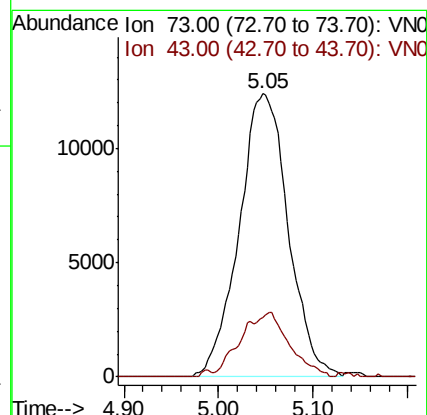
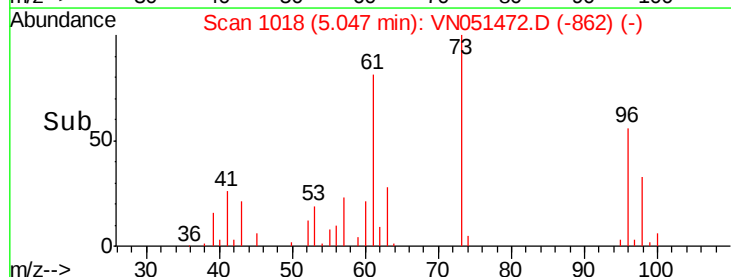
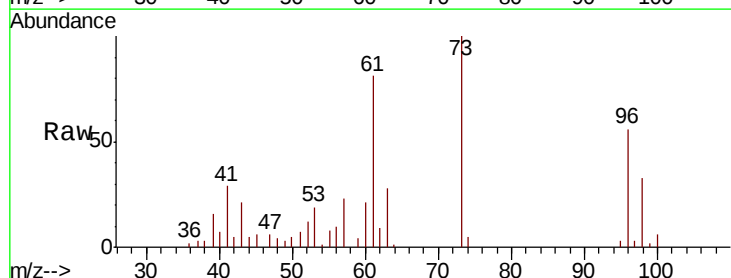
Acq: 25 Sep 2018 9:11

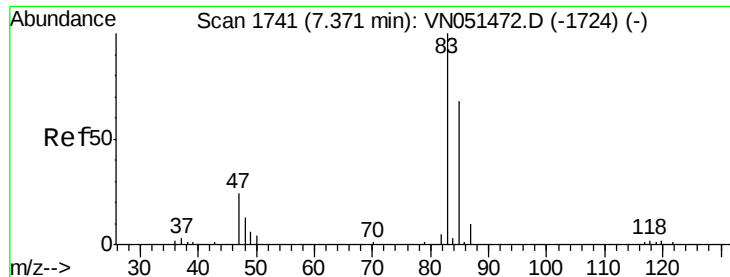
Tgt Ion: 73 Resp: 44670

Ion Ratio Lower Upper

73 100

43 6.7 5.4 8.0

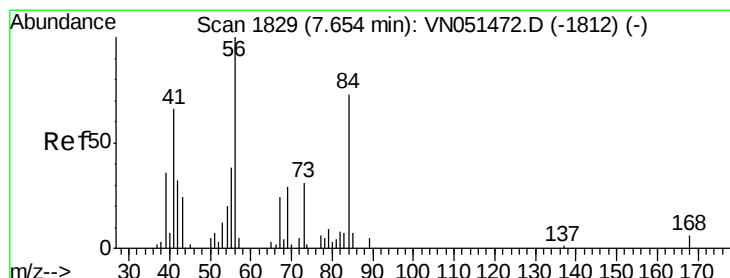
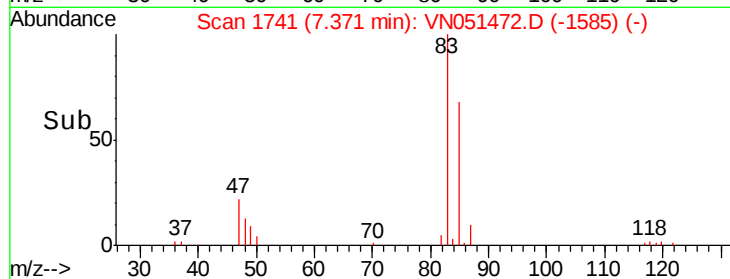
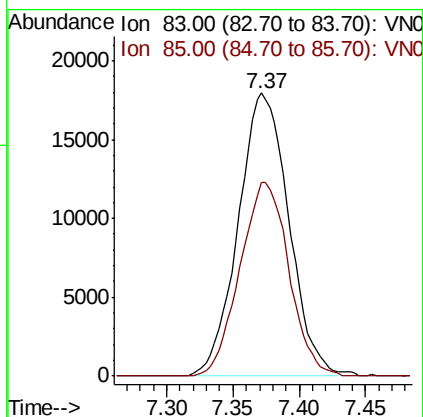
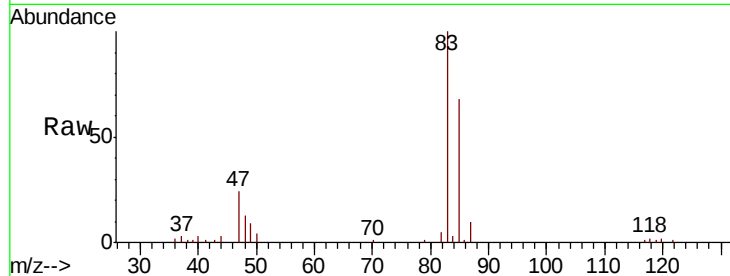




#25
Chloroform
Concen: 5.239 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

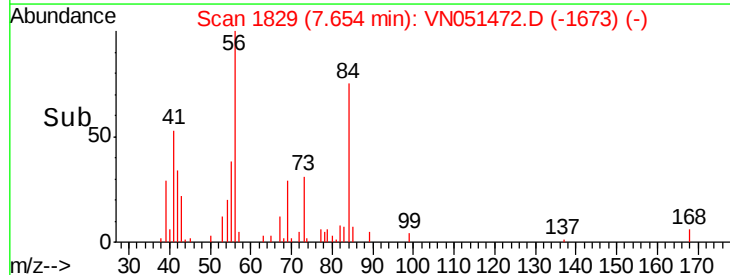
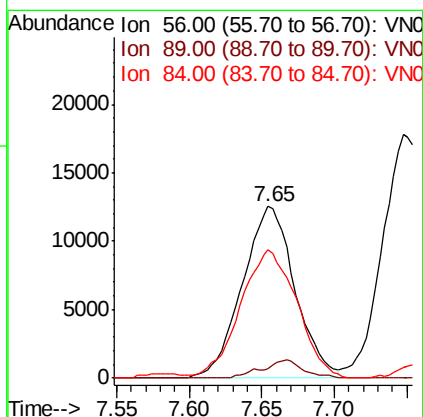
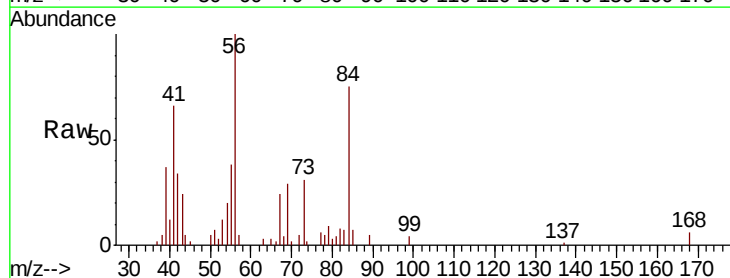
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

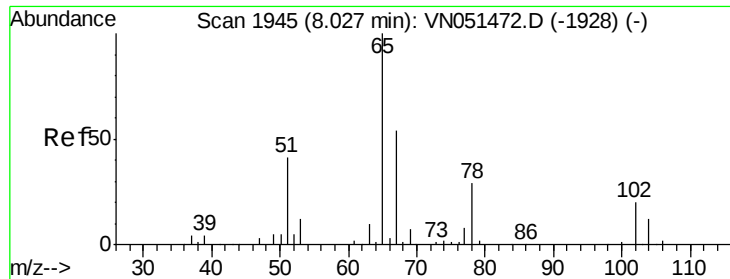
Tot Ion: 83 Resp: 47489
Ion Ratio Lower Upper
83 100
85 68.3 54.6 82.0



#26
Cyclohexane
Concen: 4.082 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 56 Resp: 31582
Ion Ratio Lower Upper
56 100
89 1.9 1.5 2.3
84 80.3 64.2 96.4

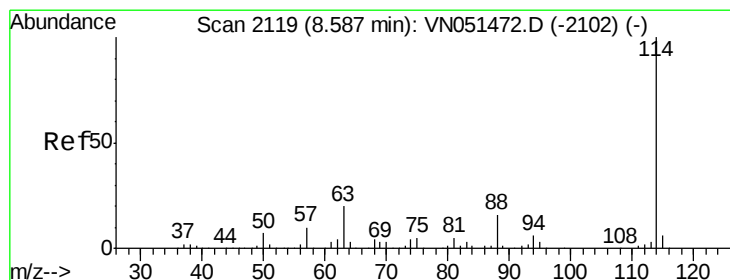
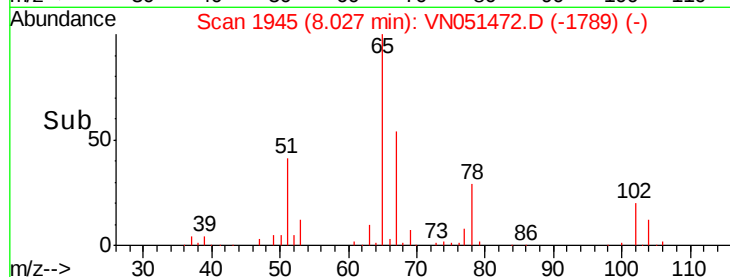
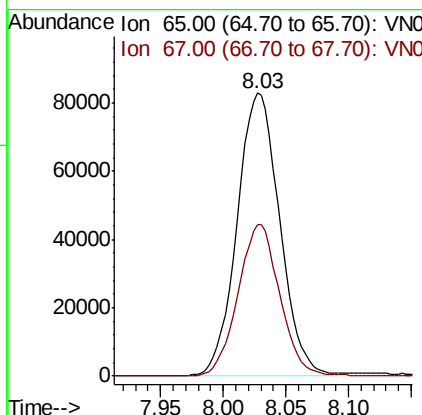
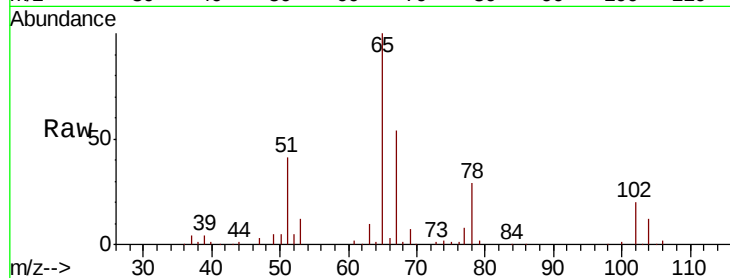




#27
 1,2-Dichloroethane-d4
 Concen: 31.210 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

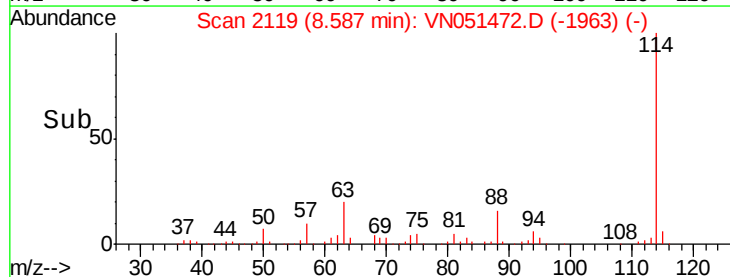
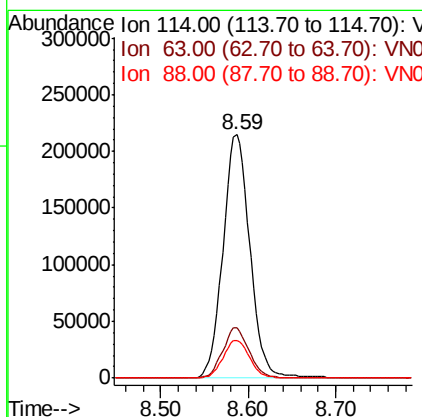
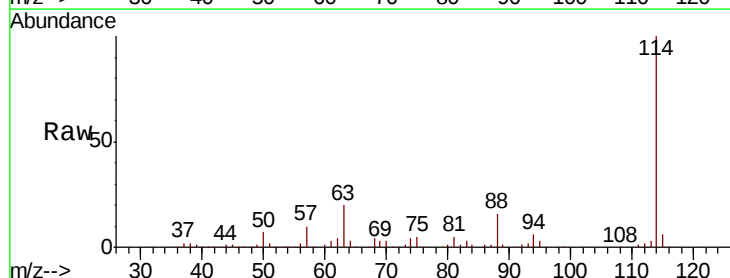
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

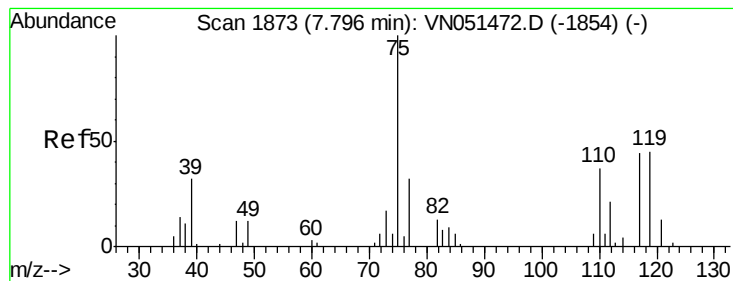
Tot Ion: 65 Resp: 195969
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 114 Resp: 458327
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.3 12.2 18.4





#29

1,1-Dichloropropene

Concen: 4.609 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

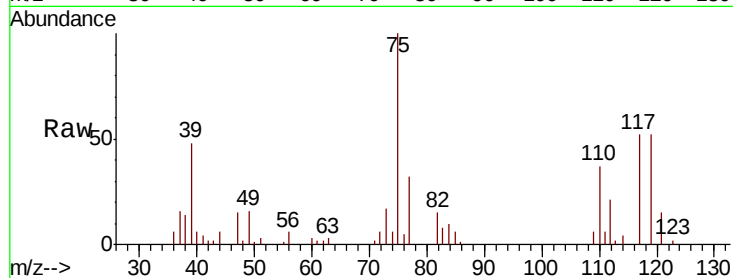
Tot Ion: 75 Resp: 29742

Ion Ratio Lower Upper

75 100

110 35.4 0.0 70.8

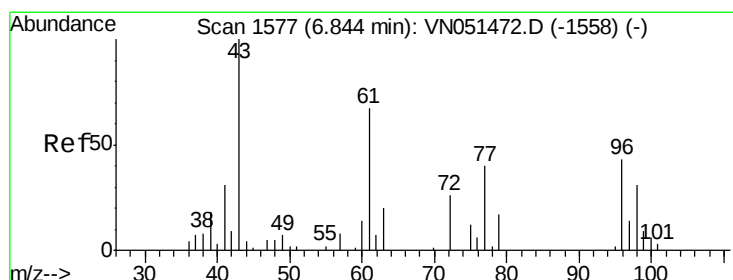
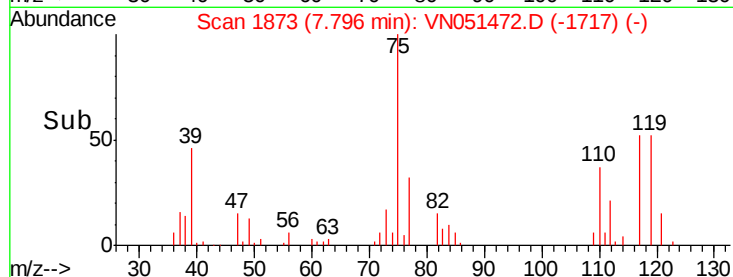
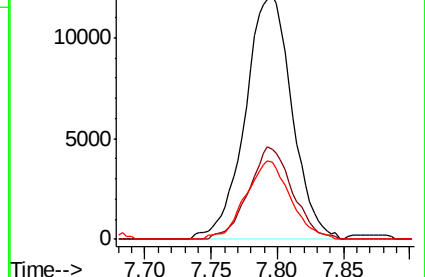
77 30.8 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051472.D (-1854) (-)

Ion 110.00 (109.70 to 110.70): VN051472.D (-1854) (-)

Ion 77.00 (76.70 to 77.70): VN051472.D (-1854) (-)



#30

2-Butanone

Concen: 24.047 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

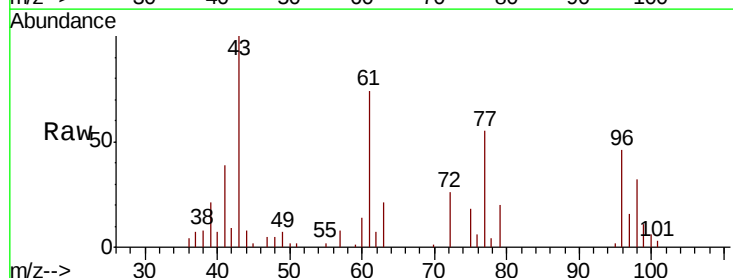
Tgt Ion: 43 Resp: 40085

Ion Ratio Lower Upper

43 100

57 5.6 4.5 6.7

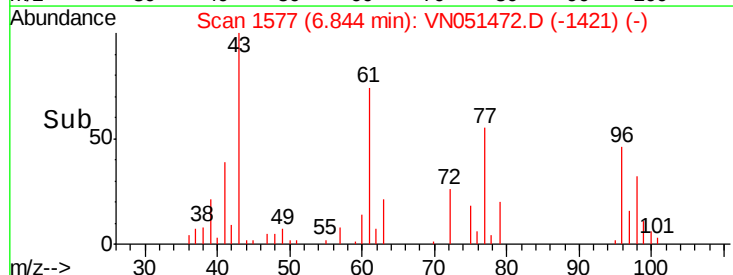
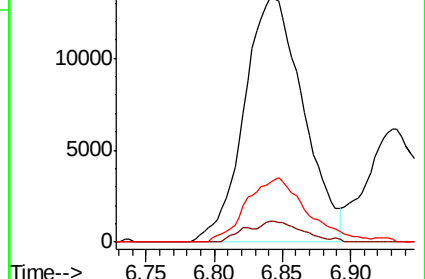
72 26.9 21.5 32.3

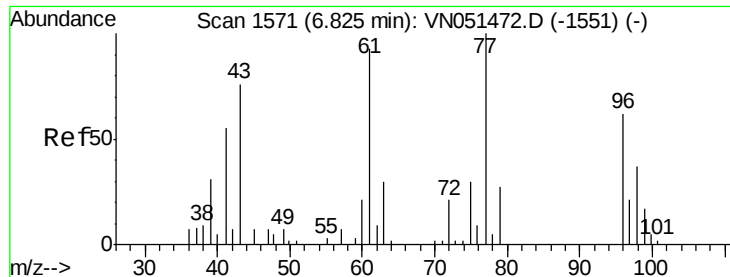


Abundance Ion 43.00 (42.70 to 43.70): VN051472.D (-1558) (-)

Ion 57.00 (56.70 to 57.70): VN051472.D (-1558) (-)

Ion 72.00 (71.70 to 72.70): VN051472.D (-1558) (-)

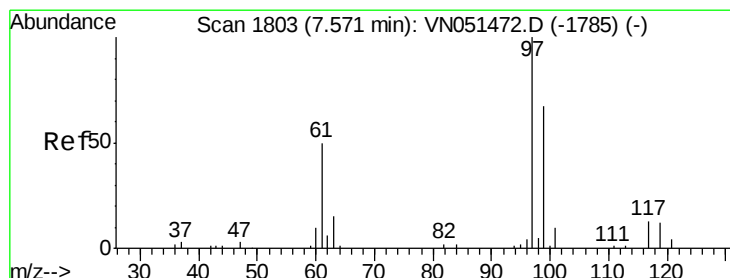
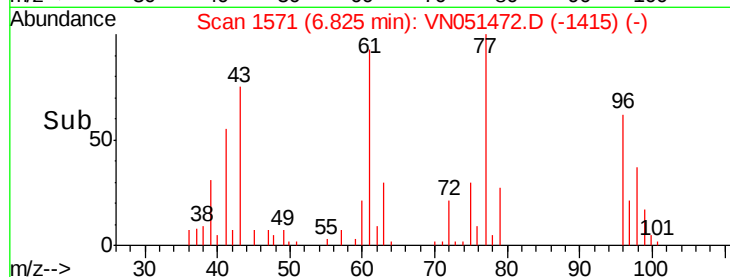
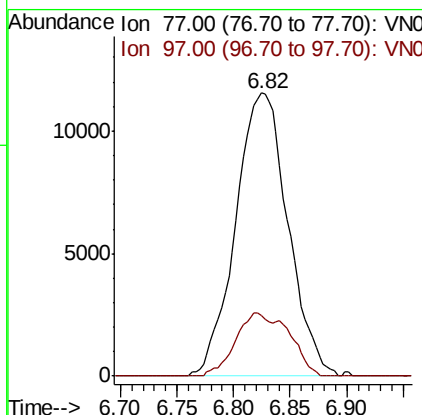
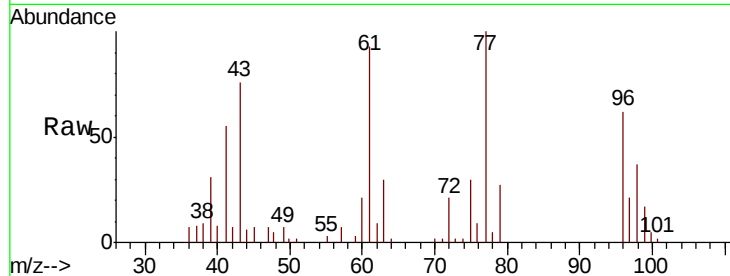




#31
 2,2-Dichloropropane
 Concen: 5.390 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

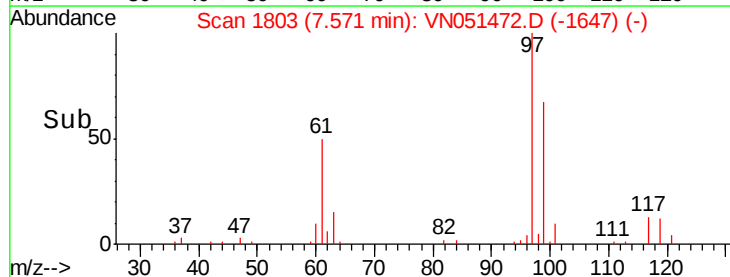
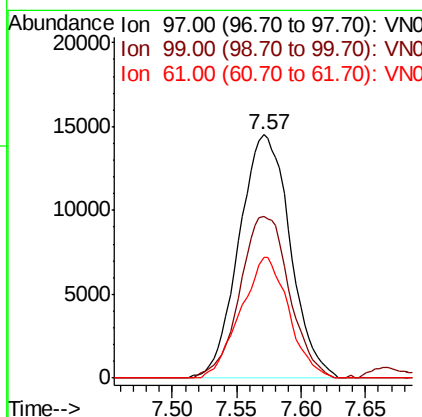
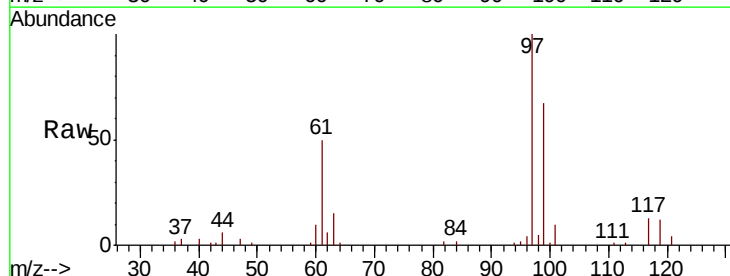
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

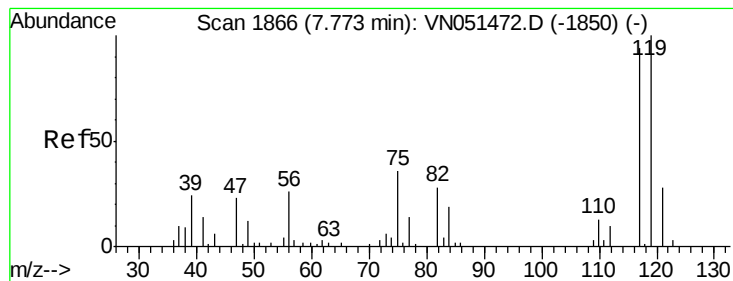
Tot Ion: 77 Resp: 37100
 Ion Ratio Lower Upper
 77 100
 97 15.0 12.0 18.0



#32
 1,1,1-Trichloroethane
 Concen: 5.425 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 97 Resp: 39968
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.6 77.4
 61 46.7 37.4 56.0





#33

Carbon Tetrachloride

Concen: 5.316 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

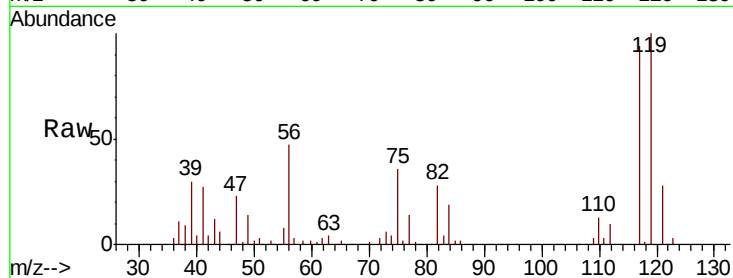
Tot Ion:117 Resp: 35936

Ion Ratio Lower Upper

117 100

119 106.4 85.1 127.7

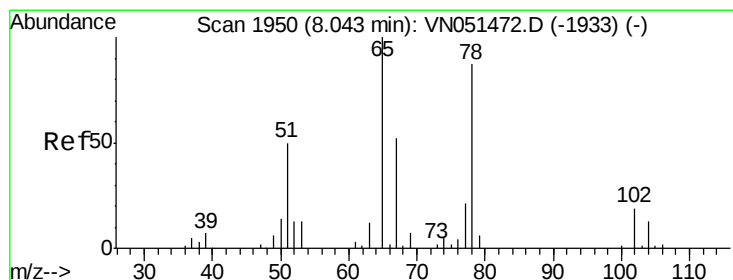
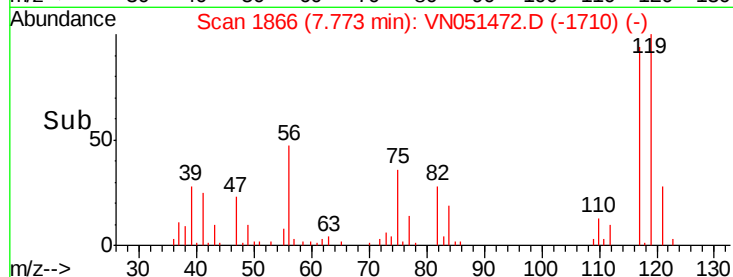
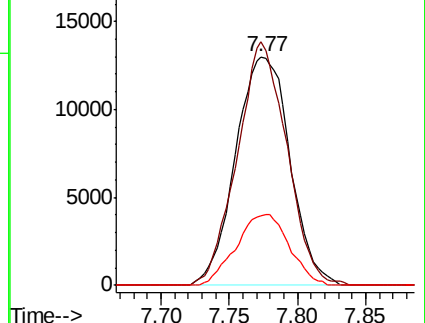
121 30.2 24.2 36.2



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: 5.029 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

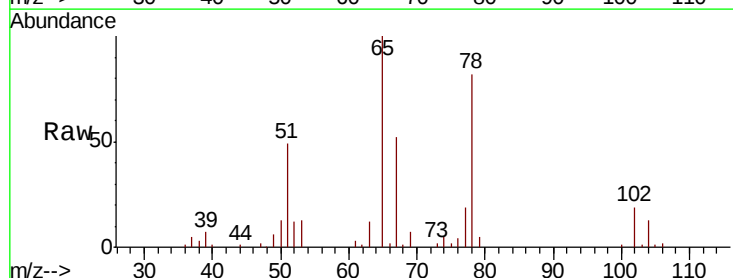
Tgt Ion: 78 Resp: 96343

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

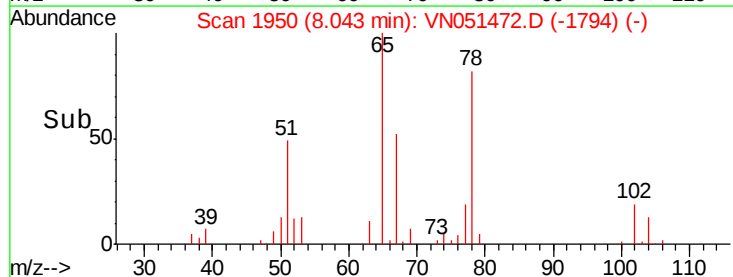
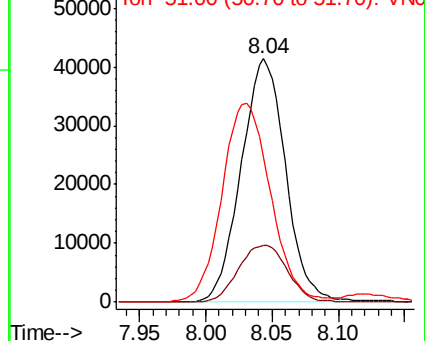
51 57.8 46.2 69.4

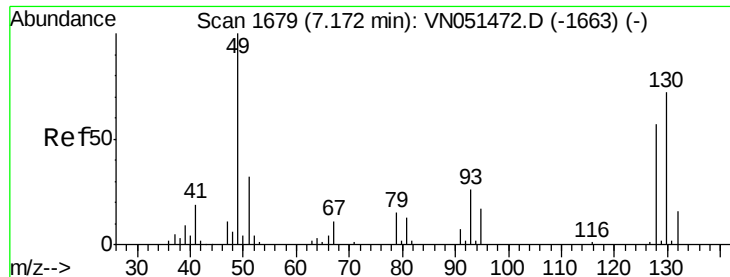


Abundance Ion 78.10 (77.80 to 78.80): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

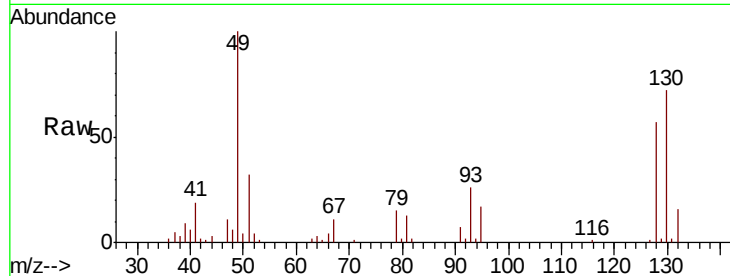




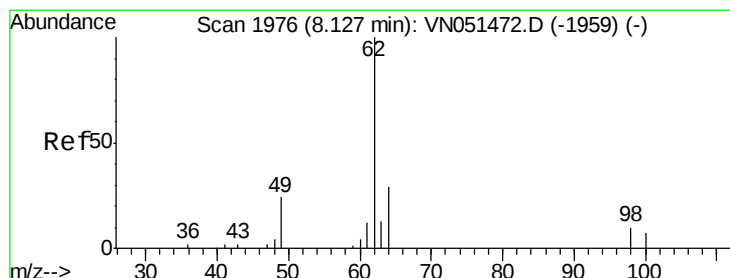
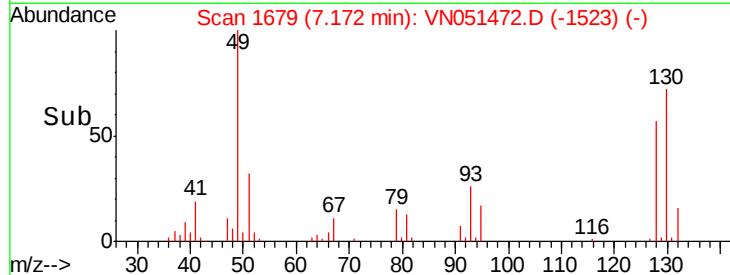
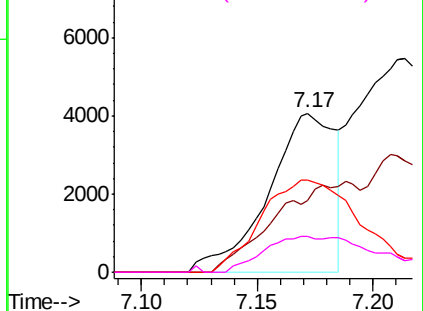
#35
Methacrylonitrile
Concen: 3.381 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	8121
Ion	Ratio	Lower	Upper
41	100		
39	45.1	22.6	67.7
67	57.9	28.9	86.8
52	22.6	11.3	33.9

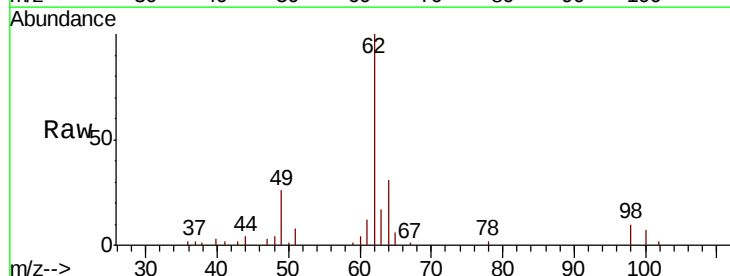


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

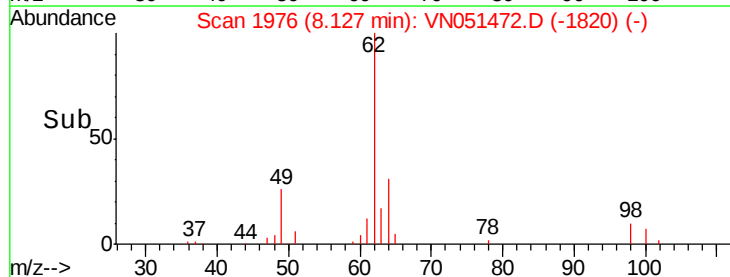
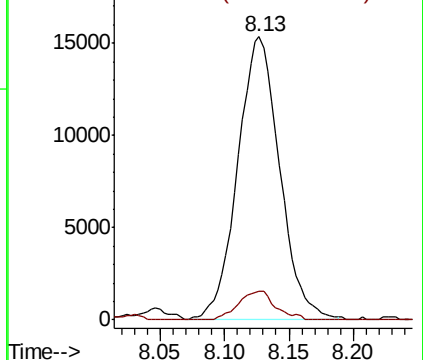


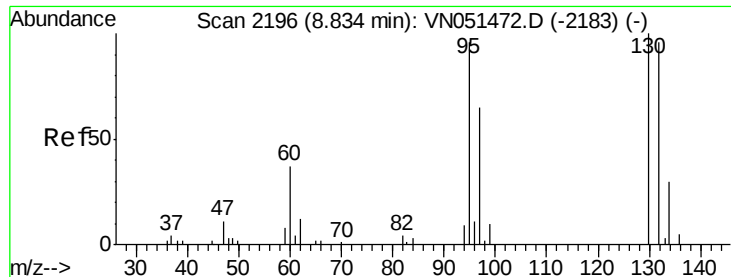
#36
1,2-Dichloroethane
Concen: 5.588 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion:	62	Resp:	34862
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

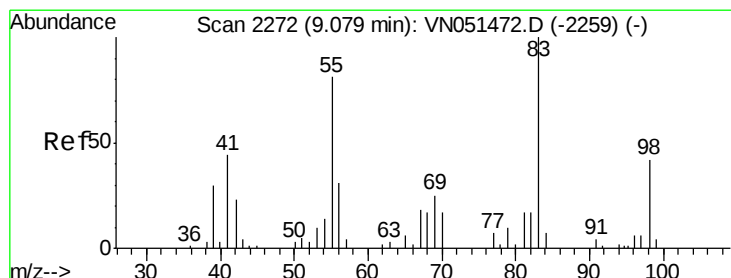
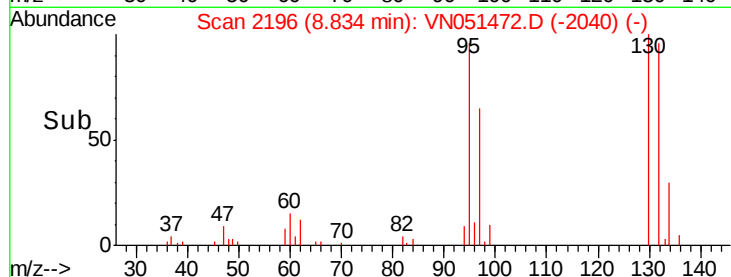
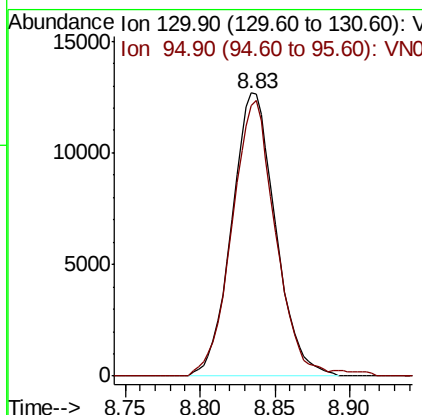
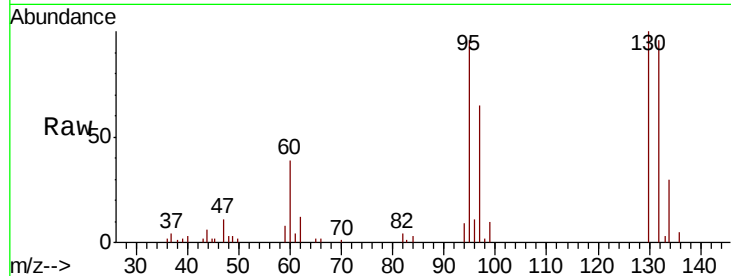




#37
 Trichloroethene
 Concen: 5.080 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

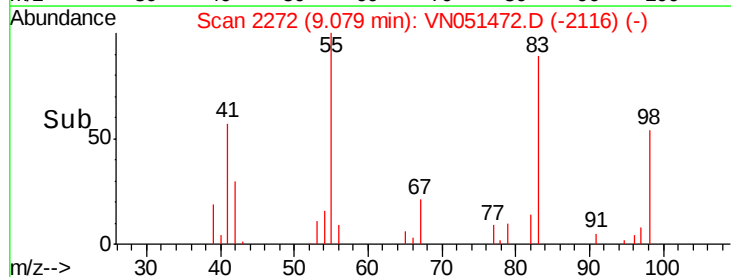
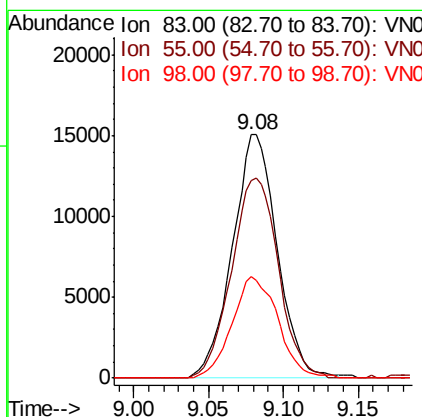
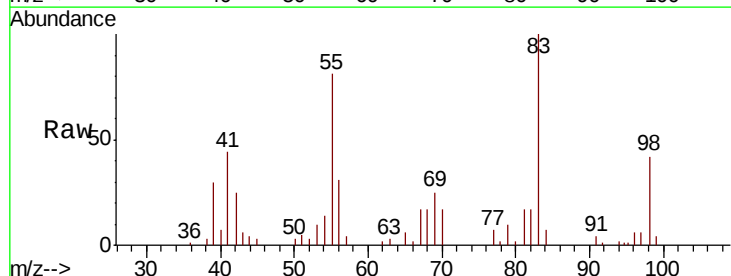
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

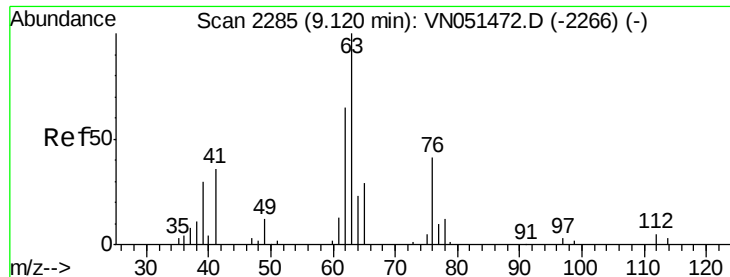
Tot Ion:130 Resp: 25796
 Ion Ratio Lower Upper
 130 100
 95 95.5 76.4 114.6



#38
 Methylcyclohexane
 Concen: 4.195 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 83 Resp: 31383
 Ion Ratio Lower Upper
 83 100
 55 86.1 43.0 129.2
 98 42.5 21.3 63.7





#39

1,2-Dichloropropane

Concen: 5.222 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

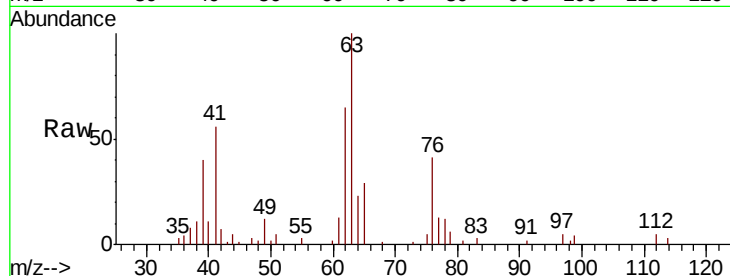
VSTDIC005

Tot Ion: 63 Resp: 27217

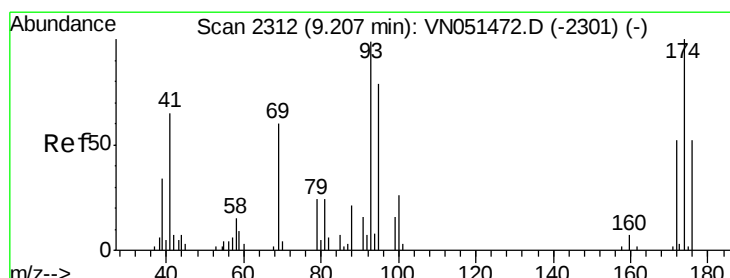
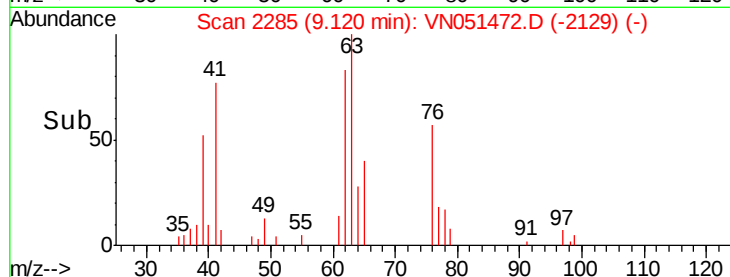
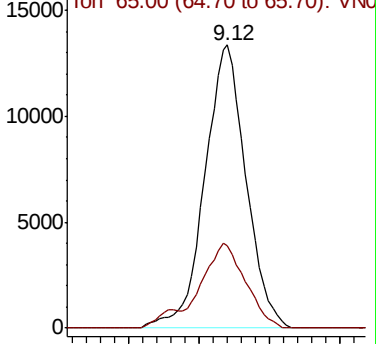
Ion Ratio Lower Upper

63 100

65 29.0 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN051472.D (-2266) (-)



#40

Dibromomethane

Concen: 5.431 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

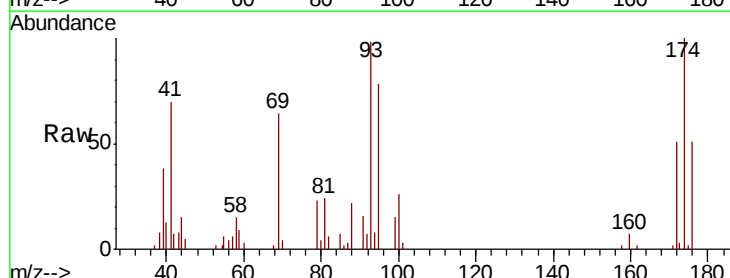
Tgt Ion: 93 Resp: 16110

Ion Ratio Lower Upper

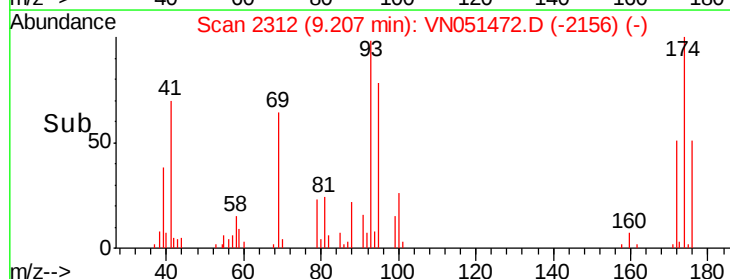
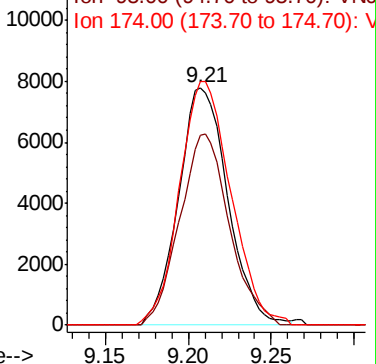
93 100

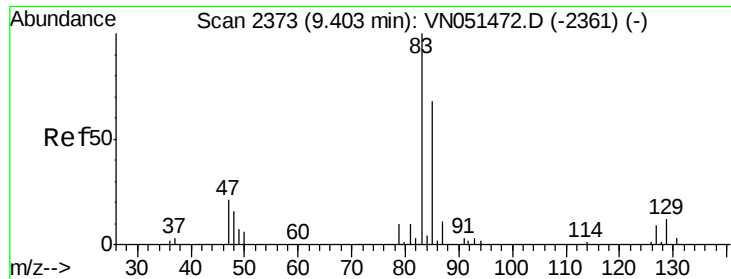
95 81.0 0.0 162.0

174 107.0 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN051472.D (-2301) (-)





#41

Bromodichloromethane

Concen: 5.269 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

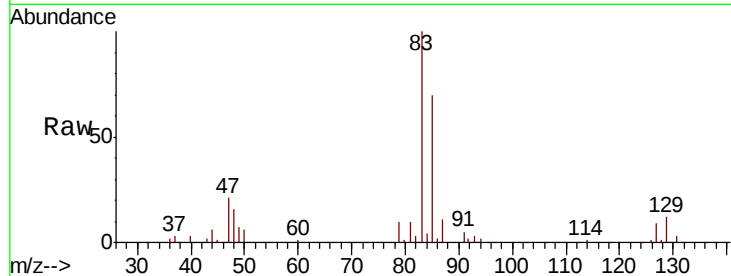
Tot Ion: 83 Resp: 34365

Ion Ratio Lower Upper

83 100

85 69.6 55.7 83.5

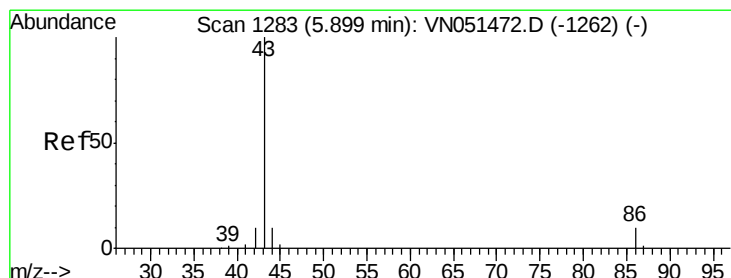
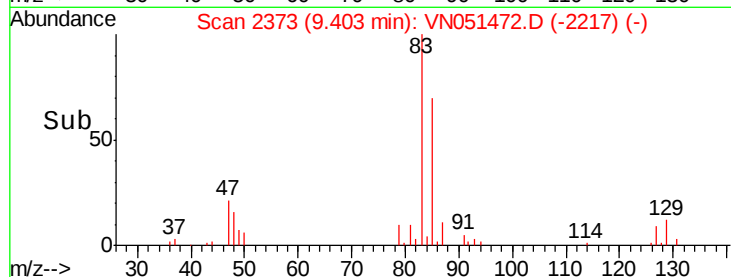
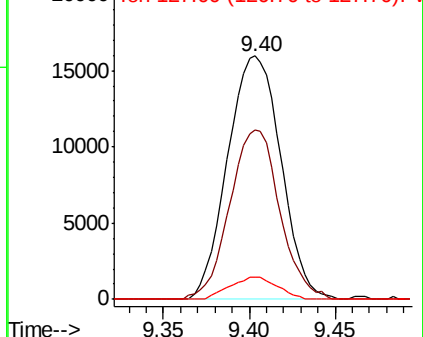
127 10.3 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 20.399 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051472.D

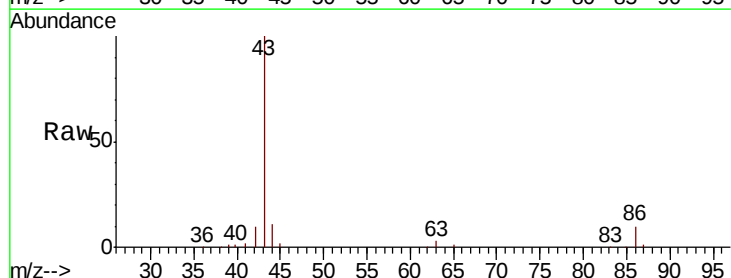
Acq: 25 Sep 2018 9:11

Tgt Ion: 43 Resp: 189078

Ion Ratio Lower Upper

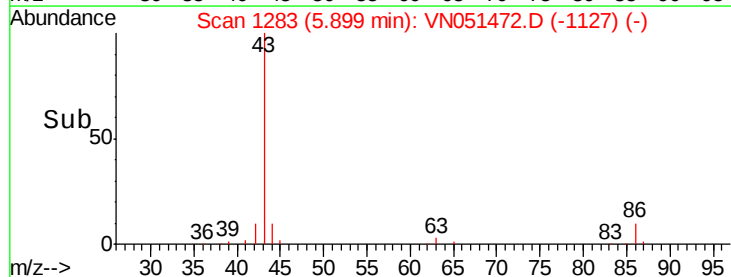
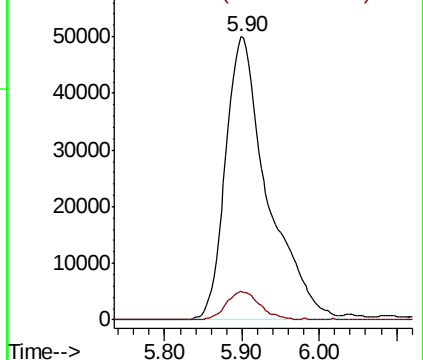
43 100

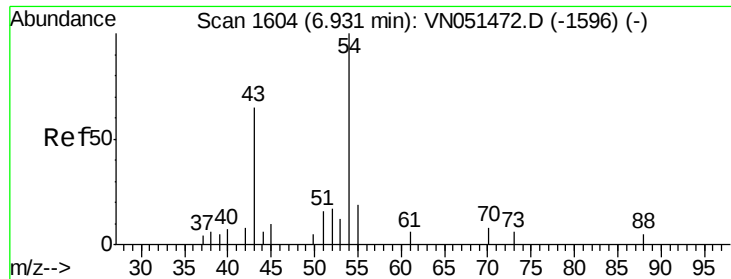
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 5.191 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

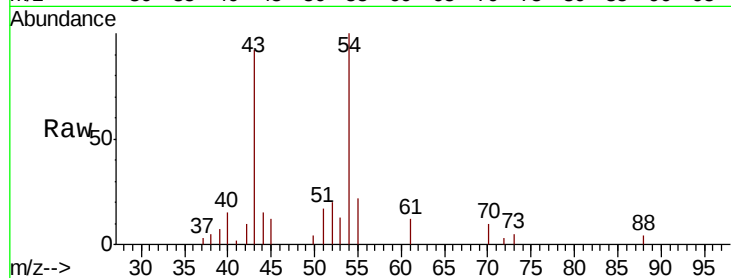
VSTDIC005

Tot Ion: 43 Resp: 18004

Ion Ratio Lower Upper

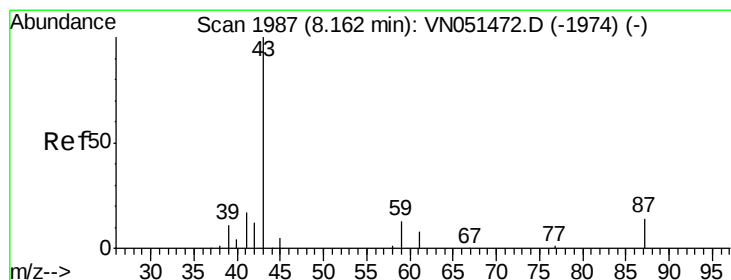
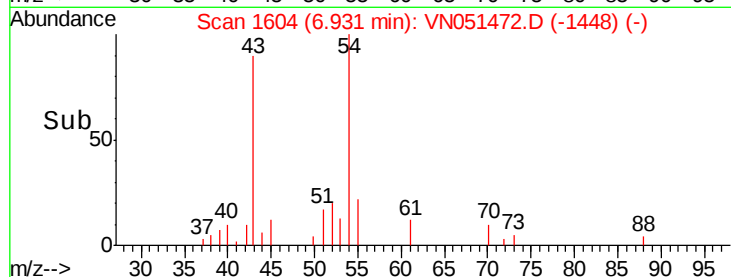
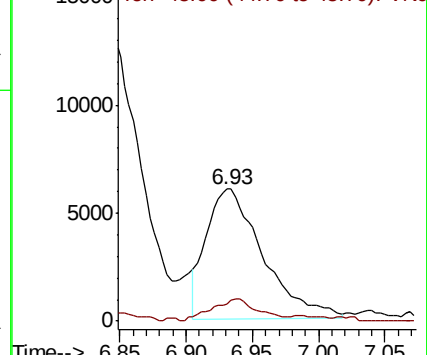
43 100

45 13.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 4.333 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN051472.D

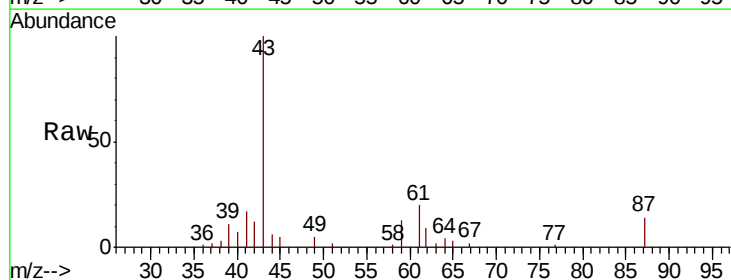
Acq: 25 Sep 2018 9:11

Tgt Ion: 43 Resp: 28902

Ion Ratio Lower Upper

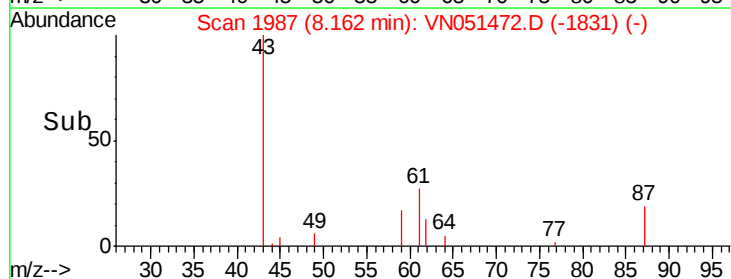
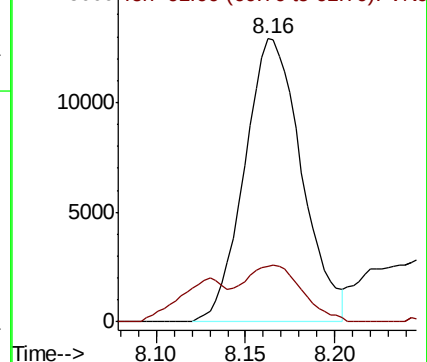
43 100

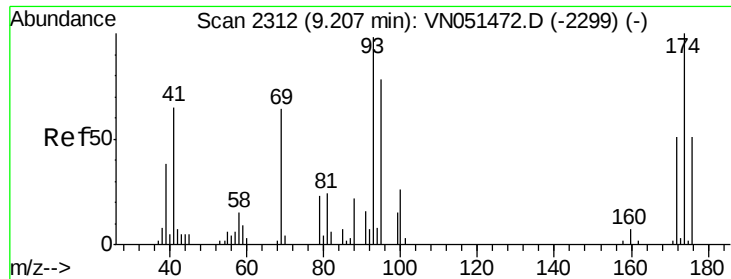
61 19.9 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 42.826 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.01 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

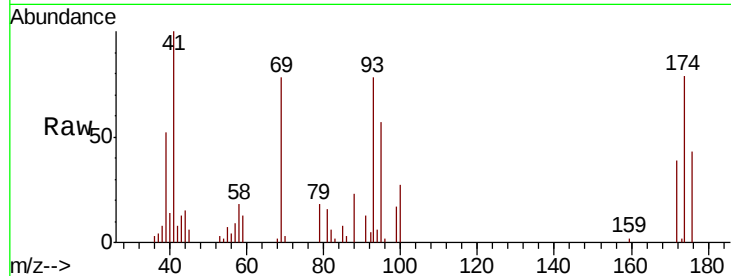
Tot Ion: 88 Resp: 1738

Ion Ratio Lower Upper

88 100

43 64.2 26.2 39.2#

58 161.0 65.6 98.4#

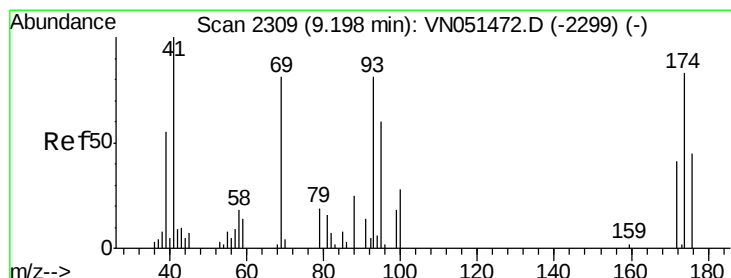
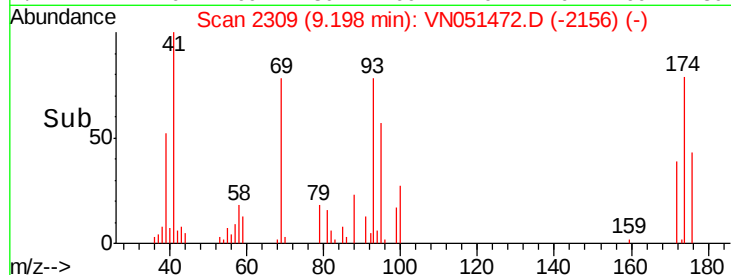
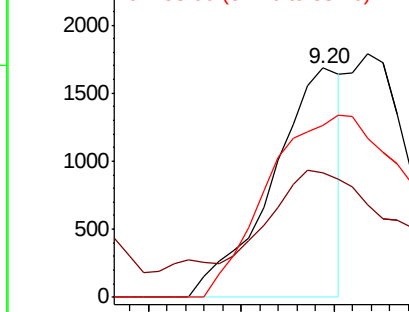


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46

Methyl methacrylate

Concen: 3.783 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

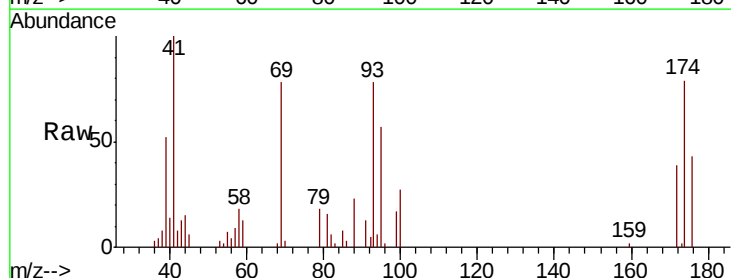
Tgt Ion: 41 Resp: 12498

Ion Ratio Lower Upper

41 100

69 81.4 40.7 122.1

39 54.6 27.3 81.9

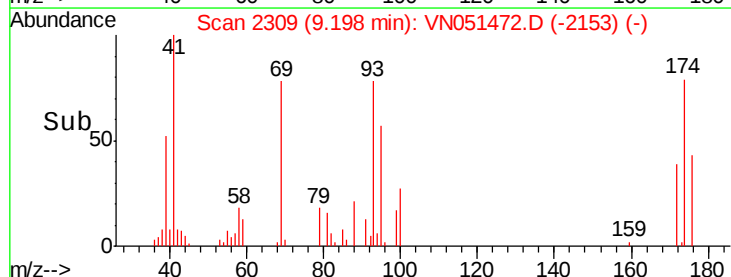
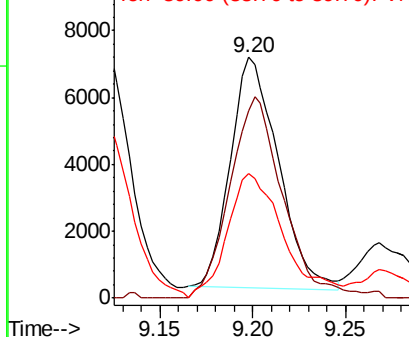


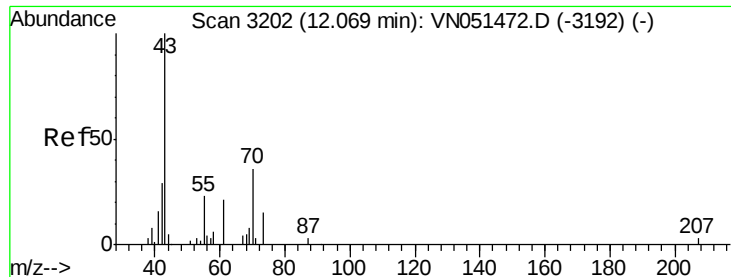
Abundance

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

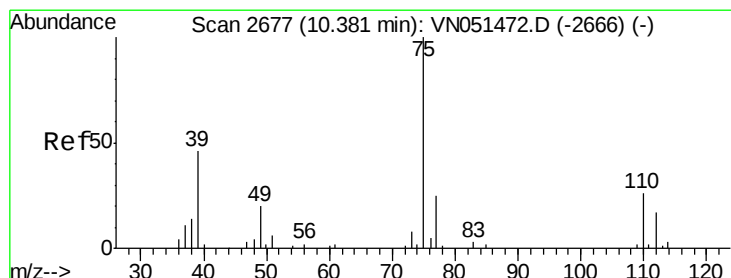
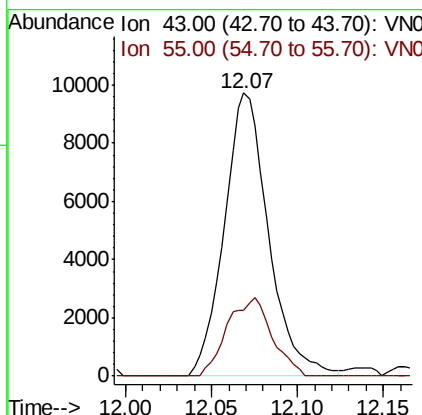
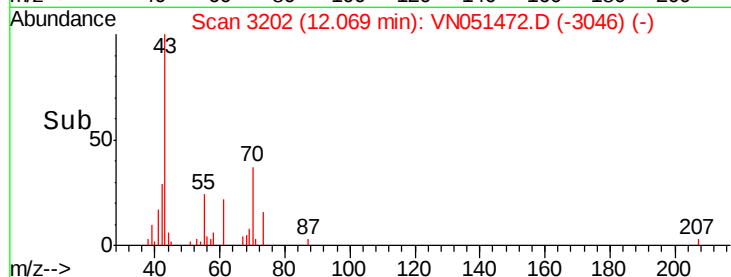
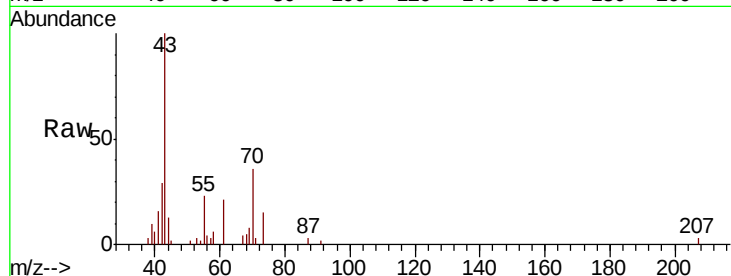




#47
n-amvl Acetate
Concen: 3.271 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

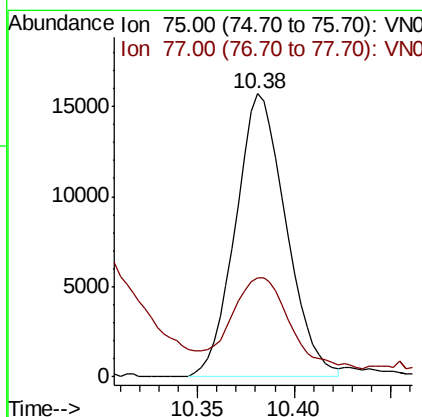
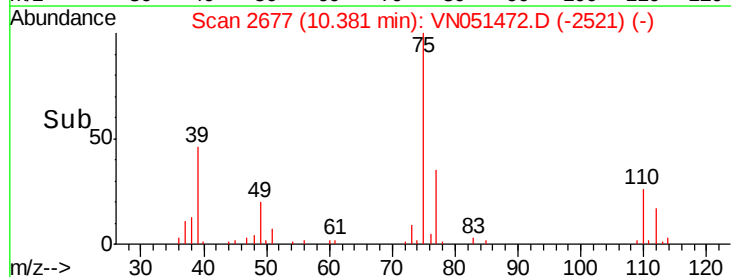
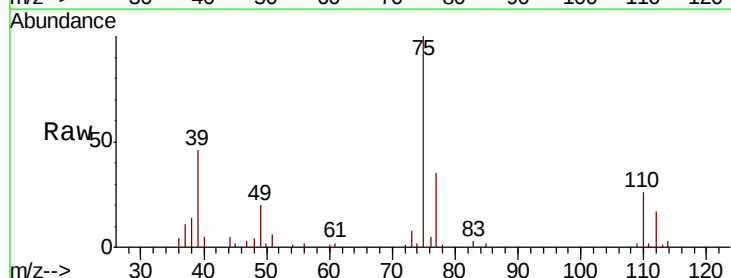
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

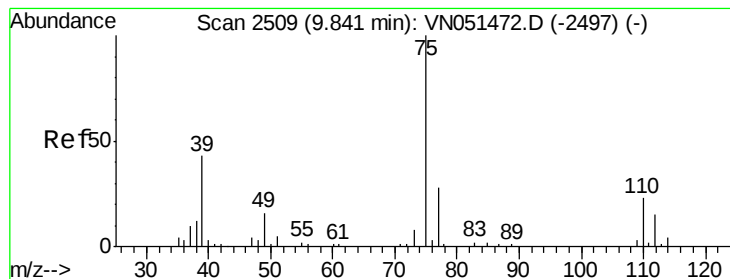
Tot Ion: 43 Resp: 17436
Ion Ratio Lower Upper
43 100
55 15.3 12.2 18.4



#48
t-1,3-Dichloropropene
Concen: 4.405 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 75 Resp: 28527
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0



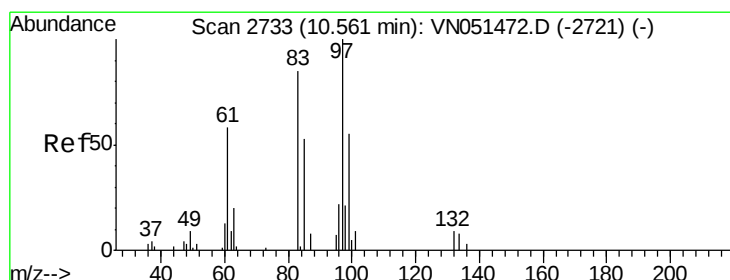
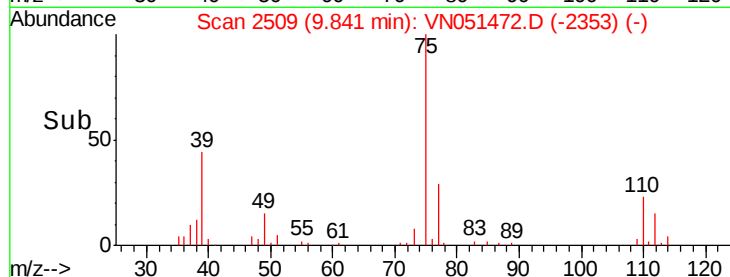
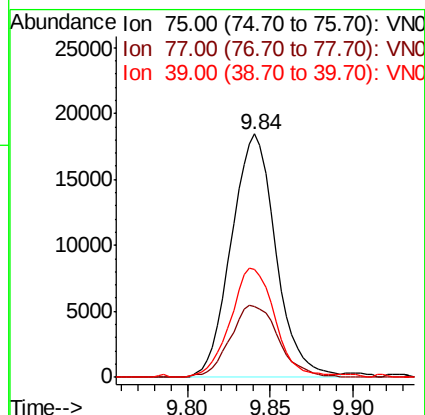
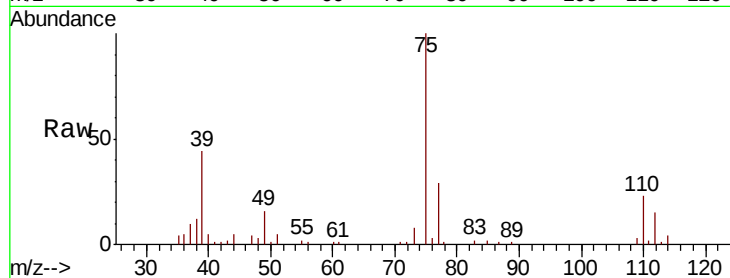


#49

cis-1,3-Dichloropropene
 Concen: 4.583 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

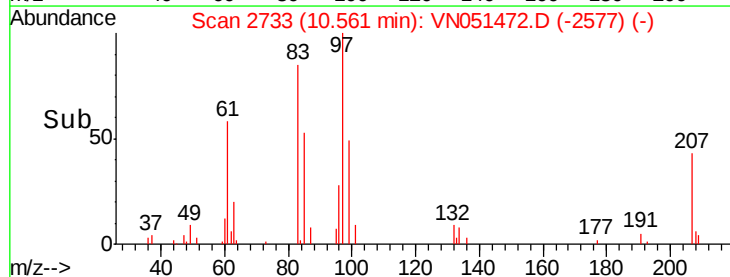
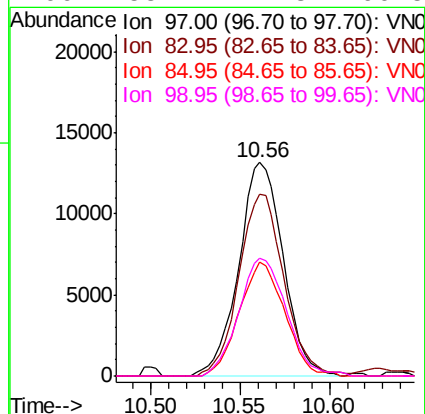
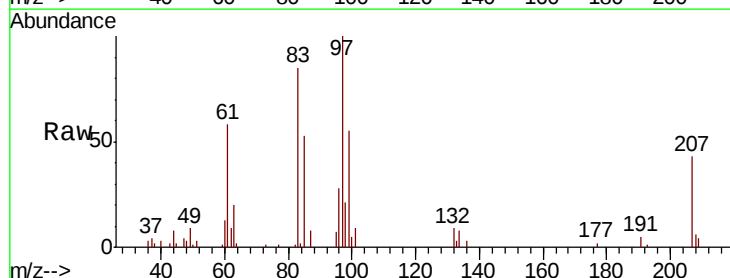
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	23.2	34.8
39	43.3	34.6	52.0

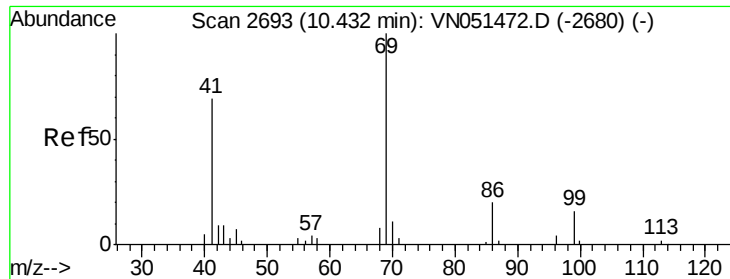


#50

1,1,2-Trichloroethane
 Concen: 5.417 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.2	102.4
85	53.1	42.5	63.7
99	55.4	44.3	66.5





#51

Ethyl methacrylate

Concen: 3.815 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

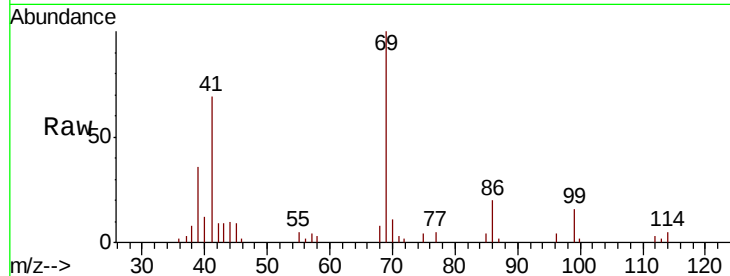
Tot Ion: 69 Resp: 19149

Ion Ratio Lower Upper

69 100

41 68.7 34.4 103.1

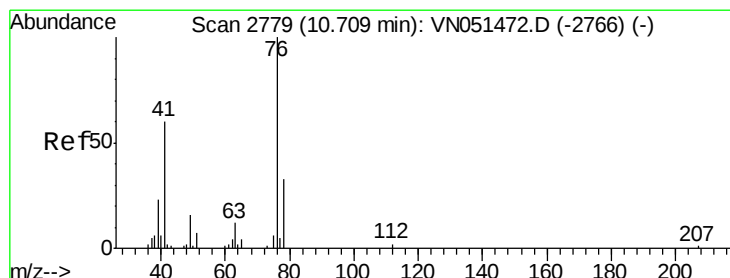
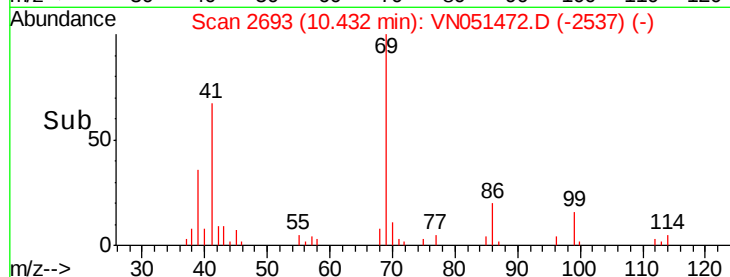
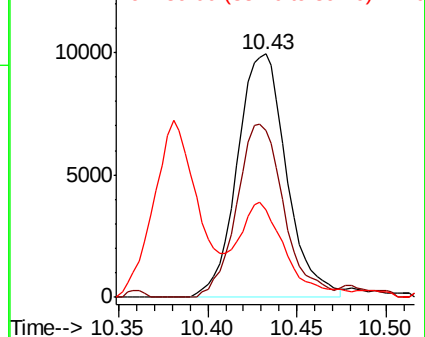
39 32.5 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 4.919 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051472.D

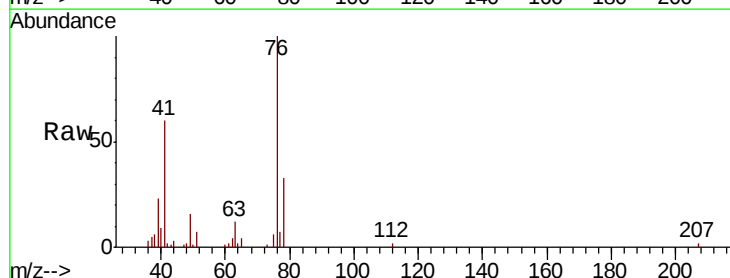
Acq: 25 Sep 2018 9:11

Tgt Ion: 76 Resp: 35196

Ion Ratio Lower Upper

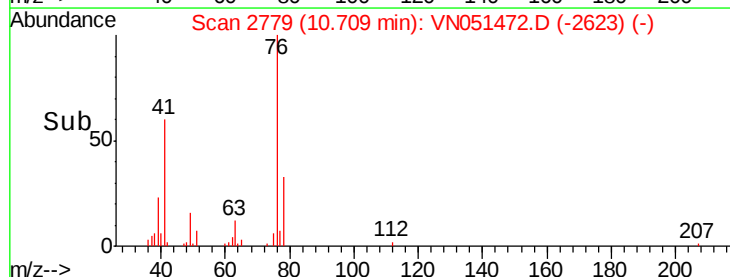
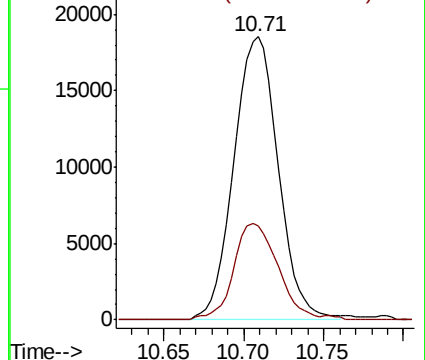
76 100

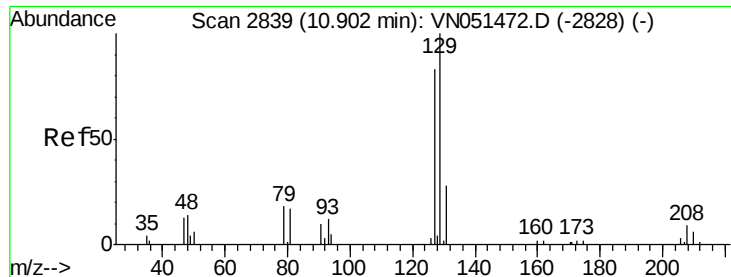
78 33.8 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 5.010 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

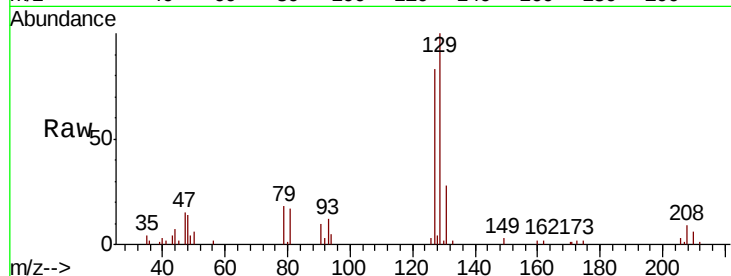
VSTDIC005

Tot Ion:129 Resp: 24444

Ion Ratio Lower Upper

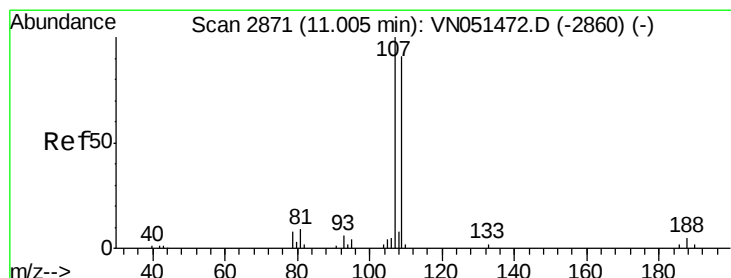
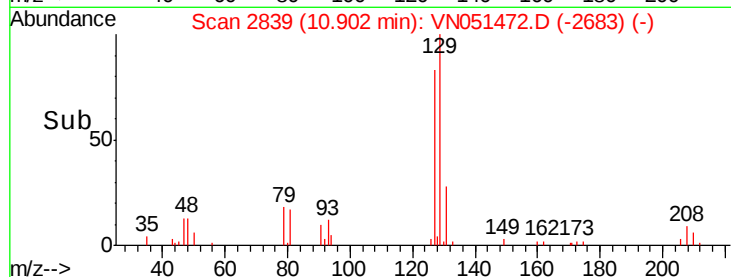
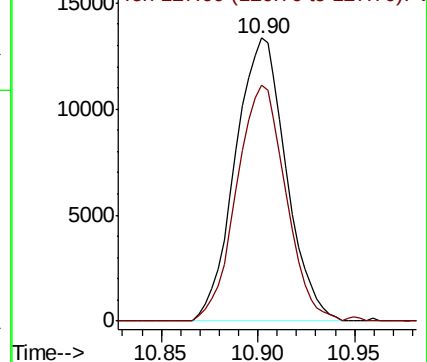
129 100

127 80.3 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 4.796 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN051472.D

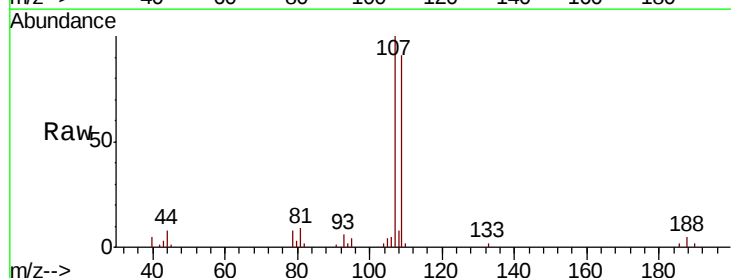
Acq: 25 Sep 2018 9:11

Tgt Ion:107 Resp: 19628

Ion Ratio Lower Upper

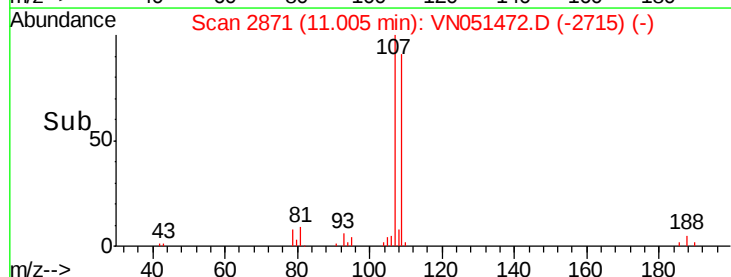
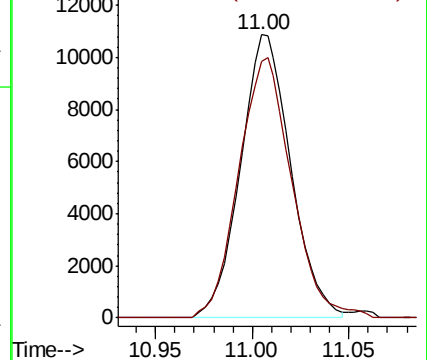
107 100

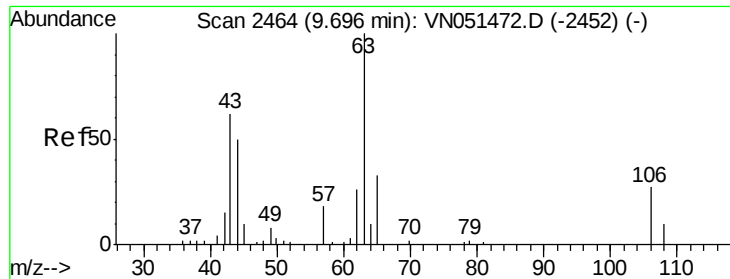
109 96.7 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

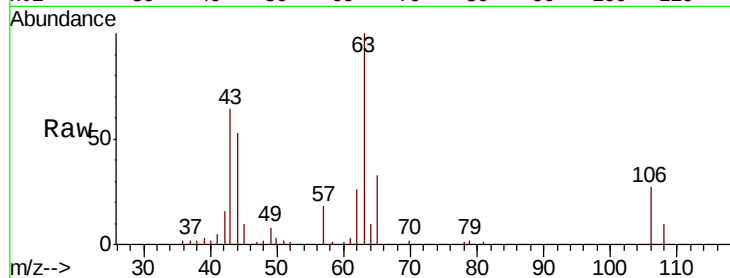




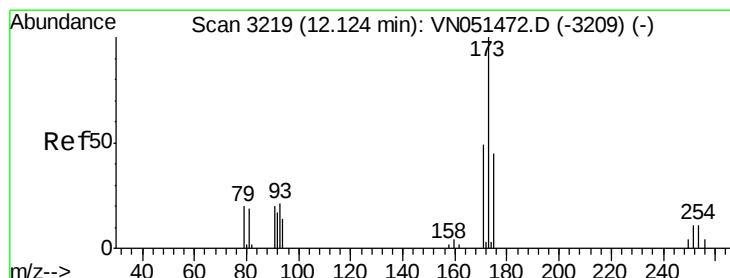
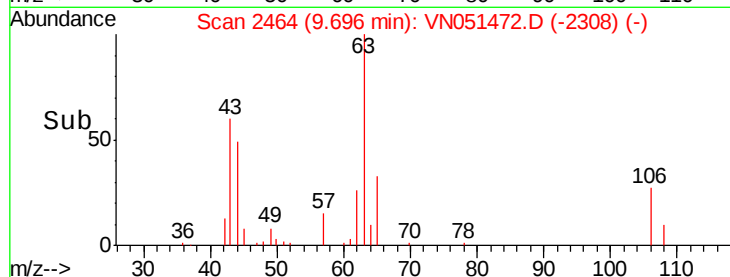
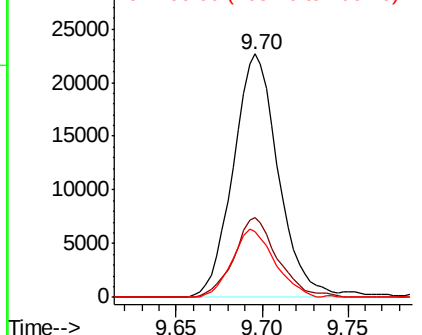
#55
2-Chloroethyl vinyl ether
Concen: 16.661 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 41298
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 26.5 21.2 31.8

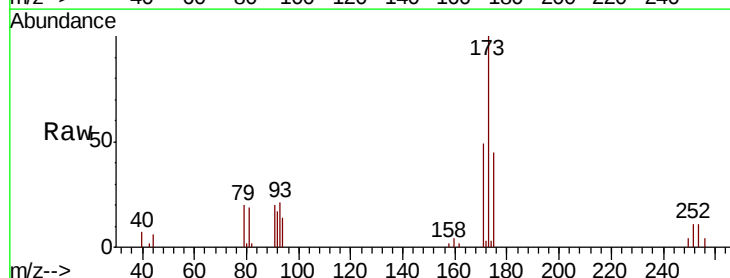


Abundance Ion 63.00 (62.70 to 63.70): VN051472.D (-2452) (-)
Ion 65.00 (64.70 to 65.70): VN051472.D (-2452) (-)
Ion 106.00 (105.70 to 106.70): VN051472.D (-2452) (-)

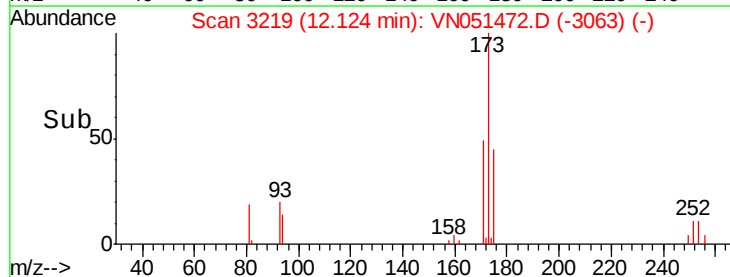
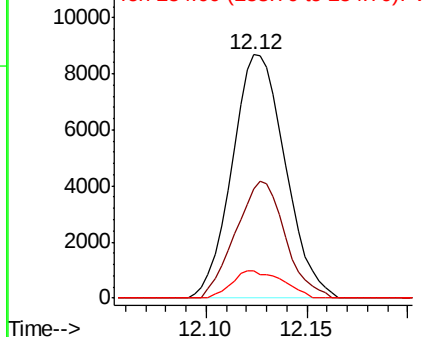


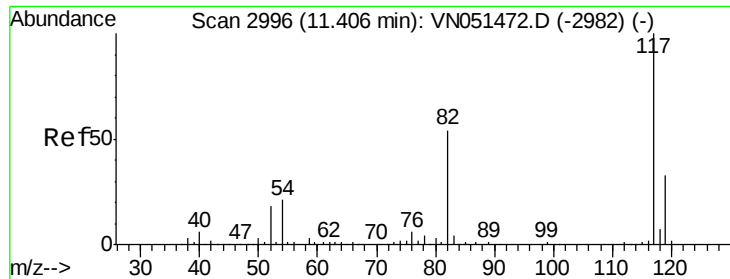
#56
Bromoform
Concen: 4.860 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 173 Resp: 15985
Ion Ratio Lower Upper
173 100
175 44.8 35.8 53.8
254 10.8 8.6 13.0



Abundance Ion 173.00 (172.70 to 173.70): VN051472.D (-3209) (-)
Ion 175.00 (174.70 to 175.70): VN051472.D (-3209) (-)
Ion 254.00 (253.70 to 254.70): VN051472.D (-3209) (-)

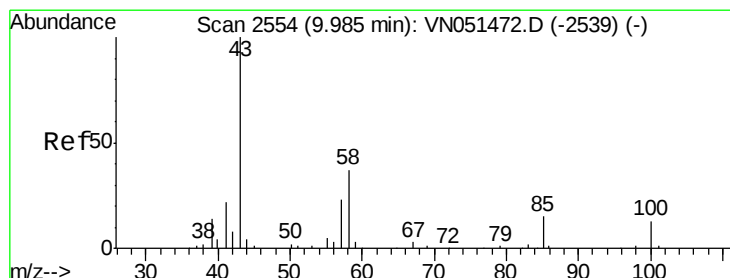
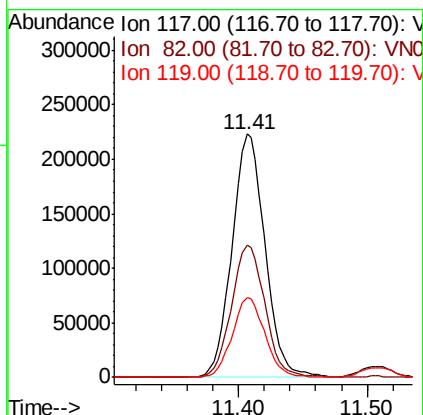
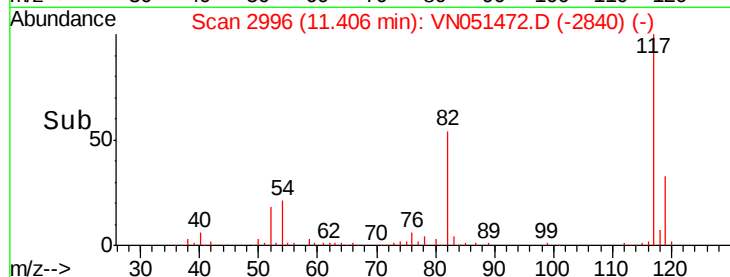
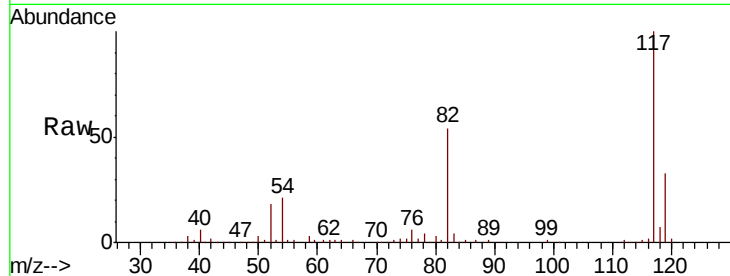




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

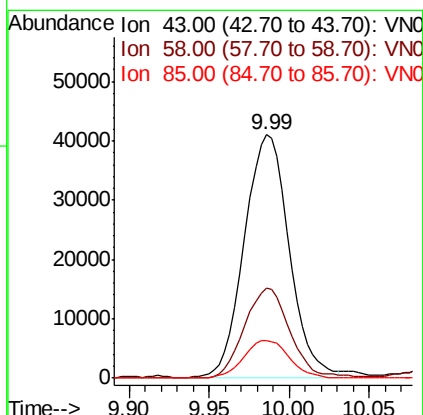
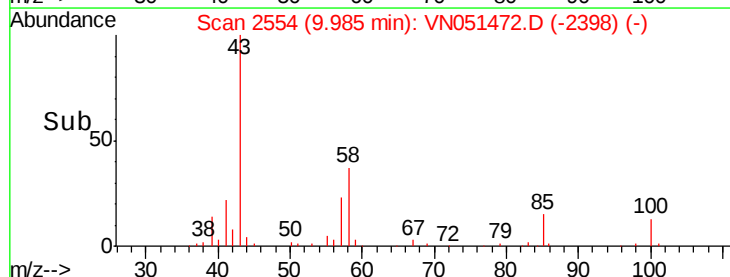
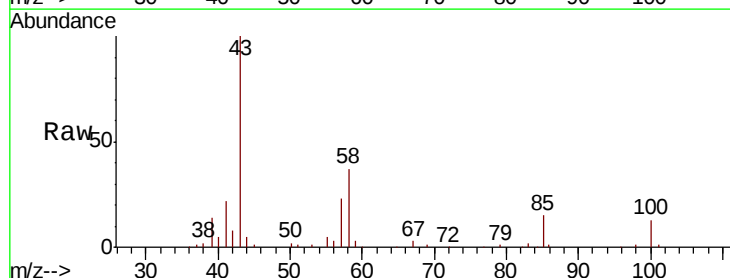
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

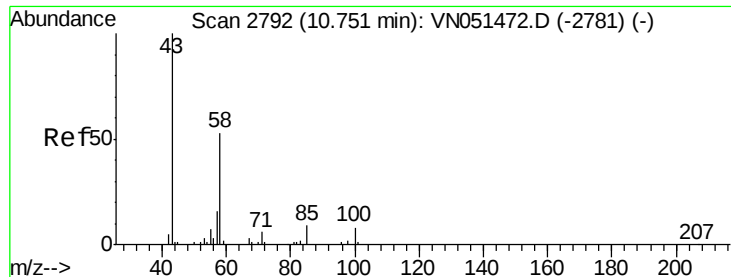
Tot Ion:117 Resp: 397574
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 32.3 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 22.635 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 43 Resp: 79085
Ion Ratio Lower Upper
43 100
58 36.6 29.3 43.9
85 15.7 12.6 18.8

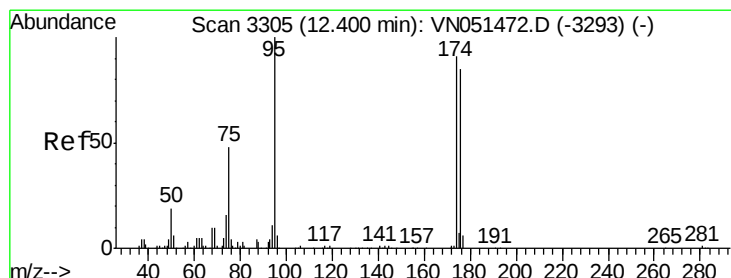
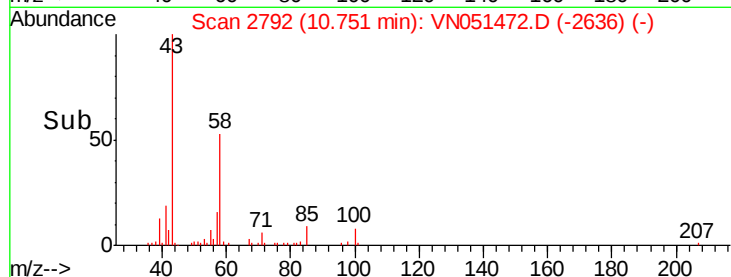
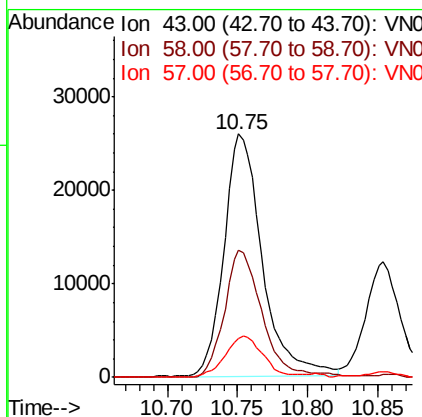
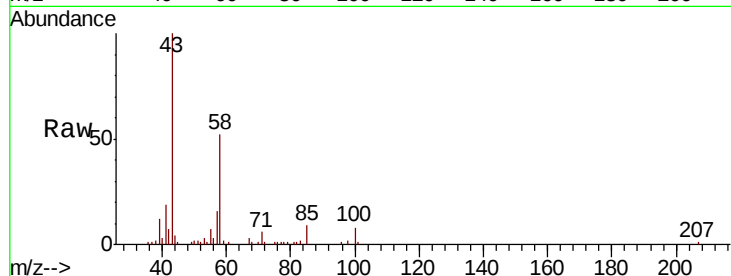




#59
2-Hexanone
Concen: 21.440 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

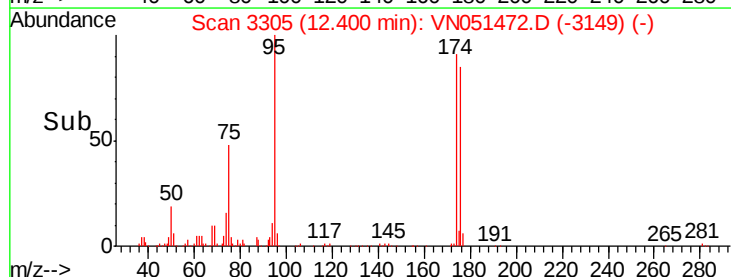
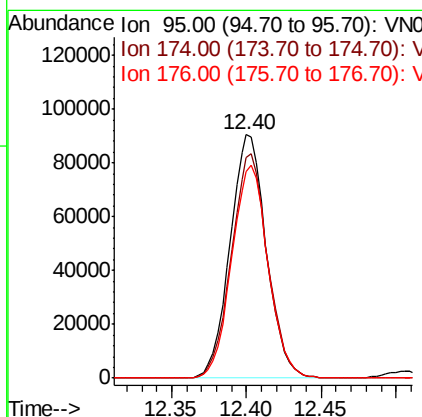
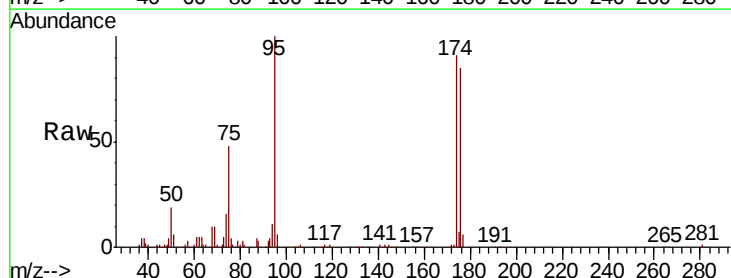
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

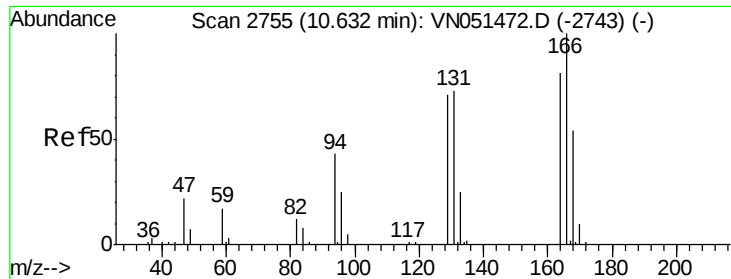
Tot Ion	43	Resp	49304
Ion Ratio	Lower	Upper	
43	100		
58	51.6	41.3	61.9
57	16.7	13.4	20.0



#60
4-Bromofluorobenzene
Concen: 26.163 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion	95	Resp	152709
Ion Ratio	Lower	Upper	
95	100		
174	91.9	73.5	110.3
176	87.7	70.2	105.2





#61

Tetrachloroethene

Concen: 5.619 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 25992

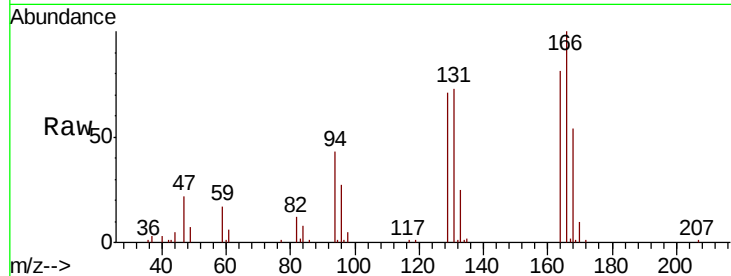
Ion Ratio Lower Upper

164 100

166 123.4 98.7 148.1

129 87.0 69.6 104.4

131 90.5 72.4 108.6

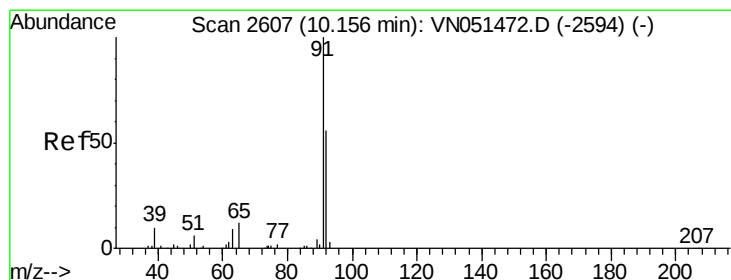
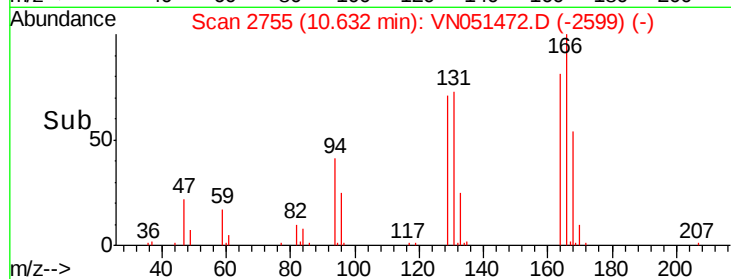
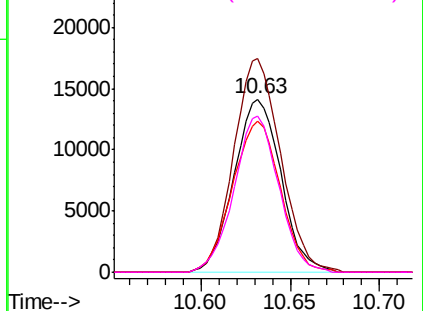


Abundance Ion 163.85 (163.55 to 164.55): V

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: 5.159 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051472.D

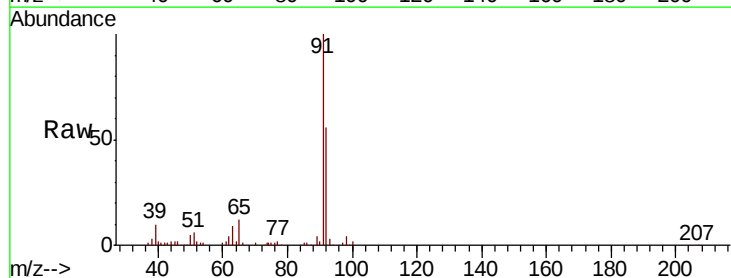
Acq: 25 Sep 2018 9:11

Tgt Ion: 91 Resp: 105008

Ion Ratio Lower Upper

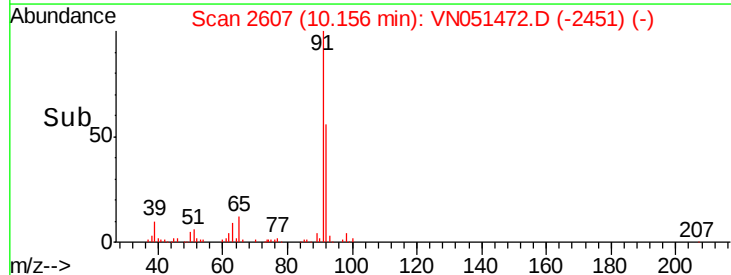
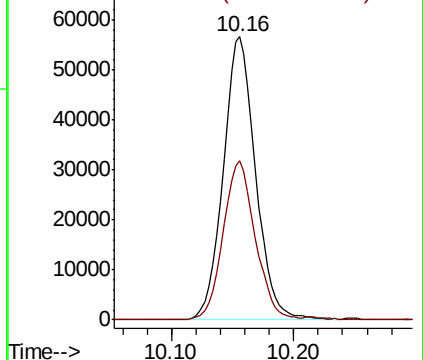
91 100

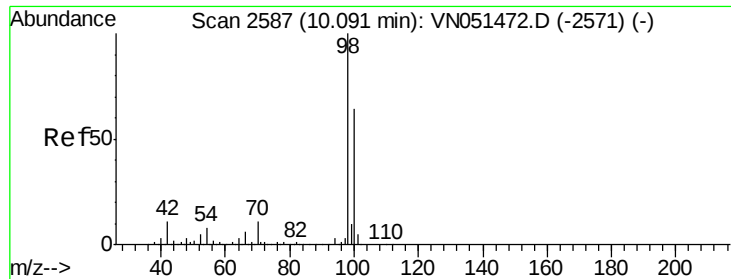
92 55.7 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 31.110 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

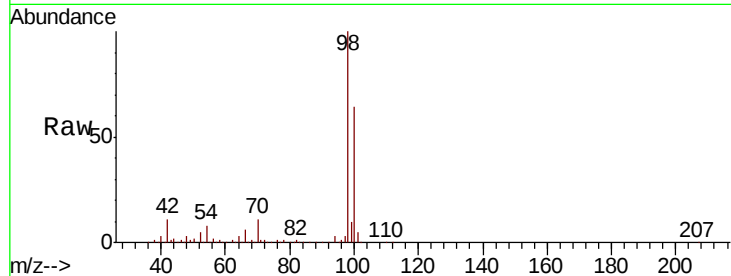
VSTDIC005

Tot Ion: 98 Resp: 593026

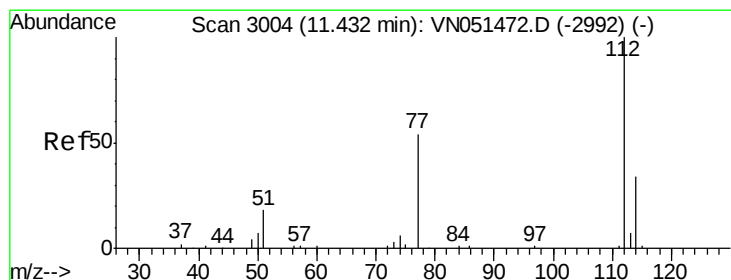
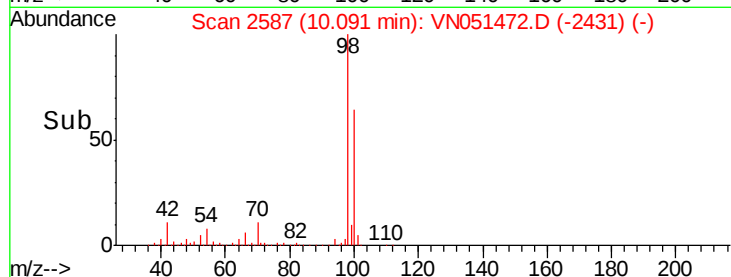
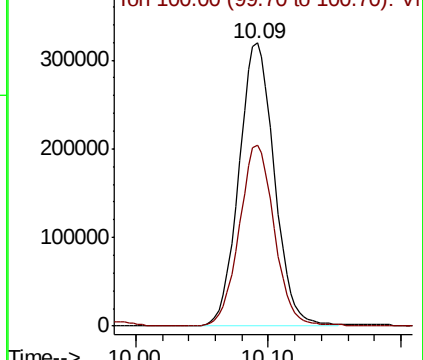
Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051472.D (-2571) (-)



#64

Chlorobenzene

Concen: 4.931 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051472.D

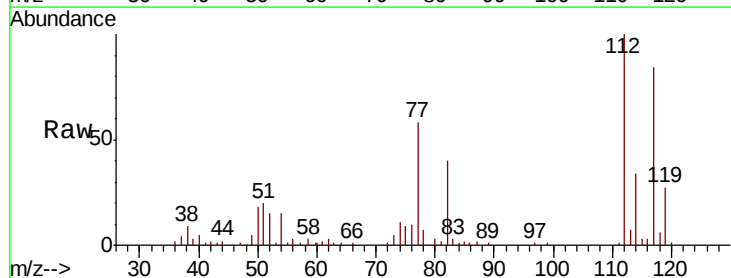
Acq: 25 Sep 2018 9:11

Tgt Ion: 112 Resp: 61534

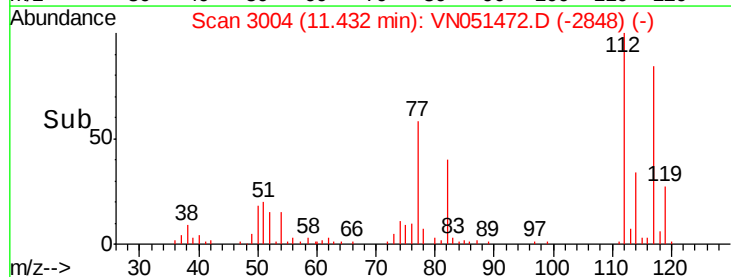
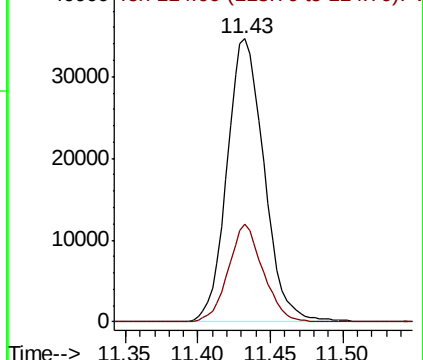
Ion Ratio Lower Upper

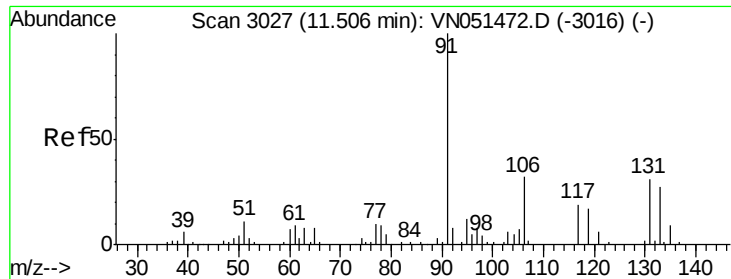
112 100

114 34.4 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051472.D (-2992) (-)

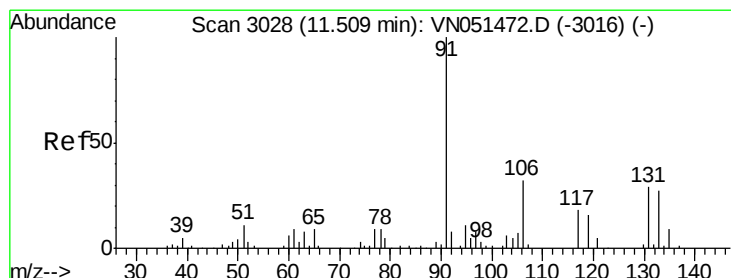
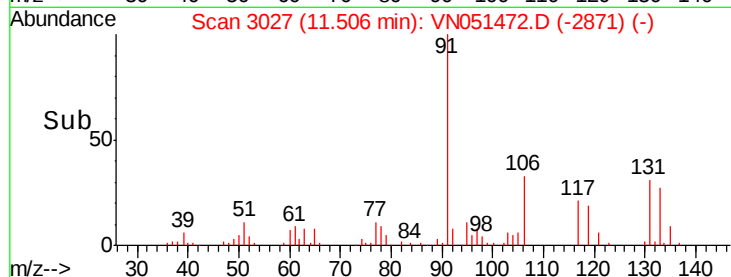
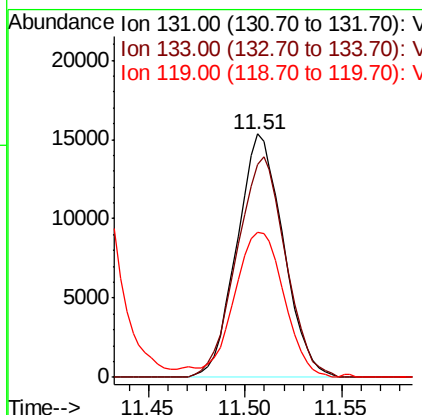
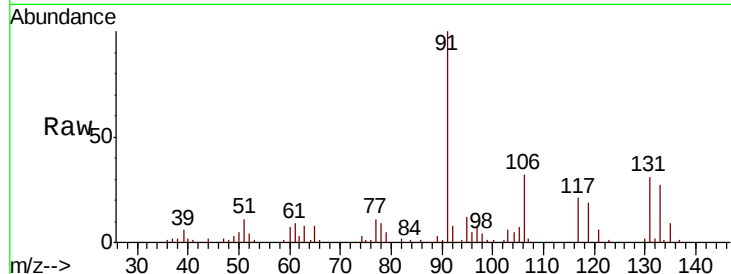




#65
 1,1,1,2-Tetrachloroethane
 Concen: 5.305 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

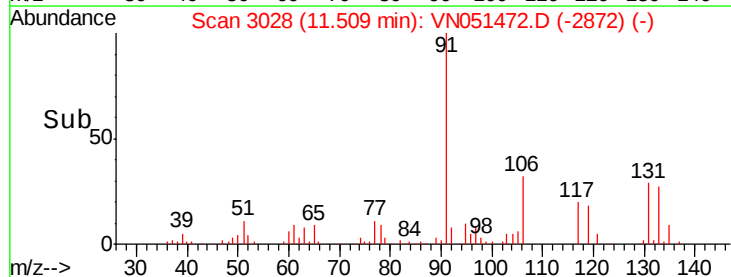
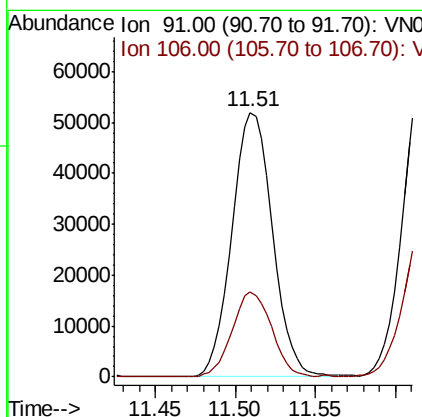
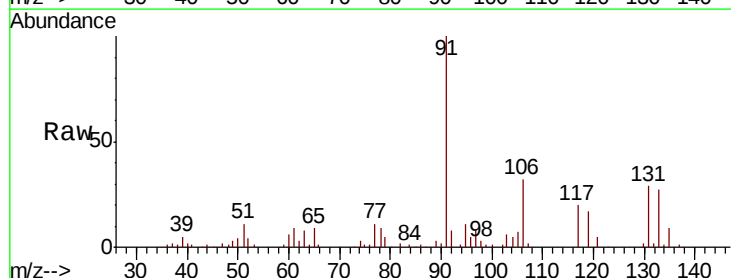
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

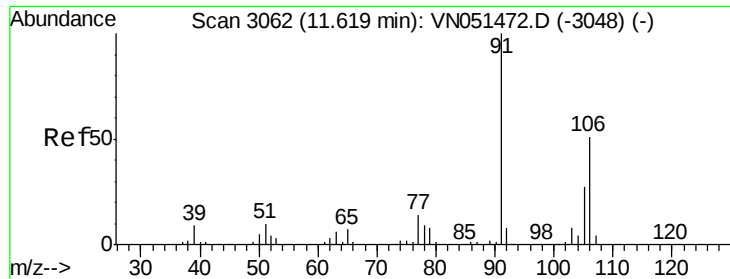
Tot Ion:131 Resp: 25596
 Ion Ratio Lower Upper
 131 100
 133 95.2 0.0 190.4
 119 64.0 0.0 128.0



#66
 Ethyl Benzene
 Concen: 4.281 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 91 Resp: 89878
 Ion Ratio Lower Upper
 91 100
 106 32.4 25.9 38.9

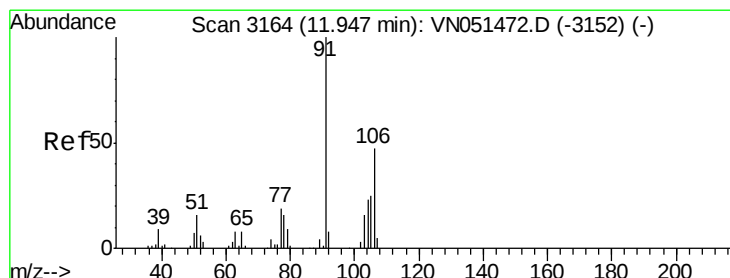
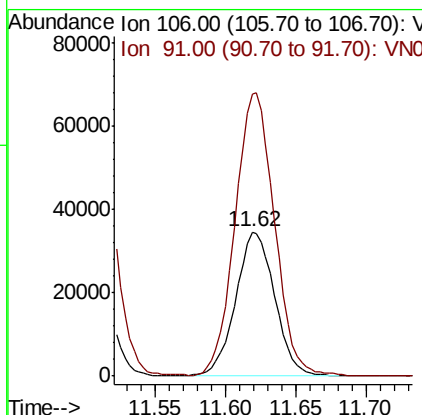
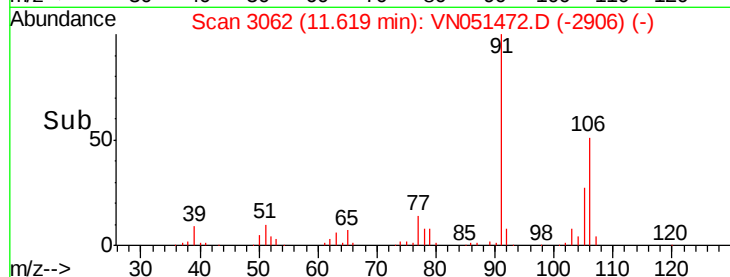
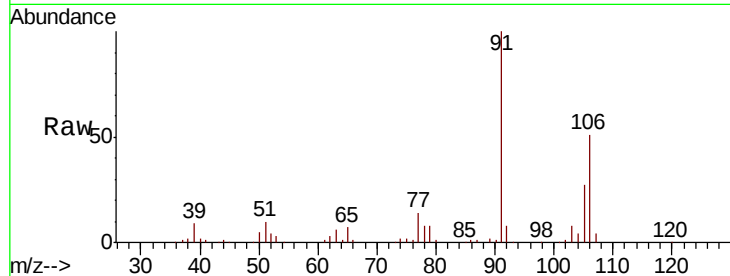




#67
m/p-Xylenes
Concen: 8.294 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

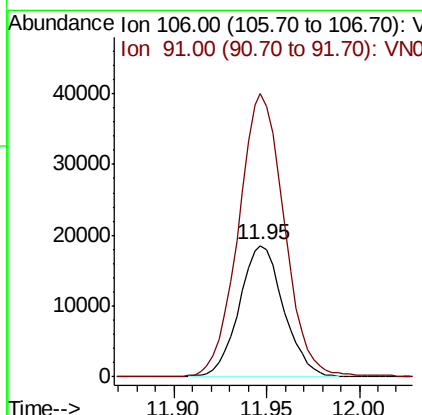
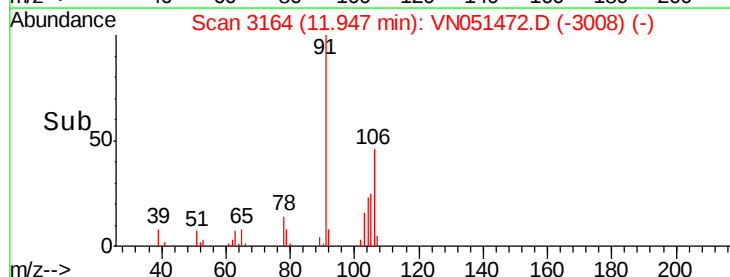
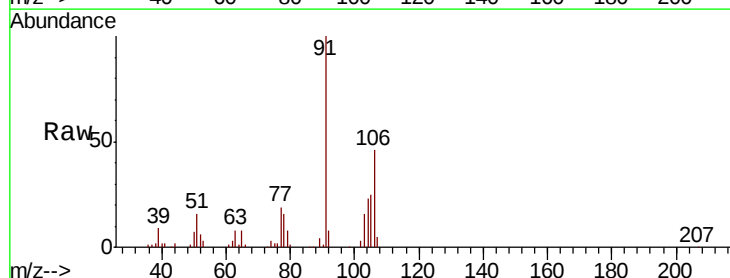
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

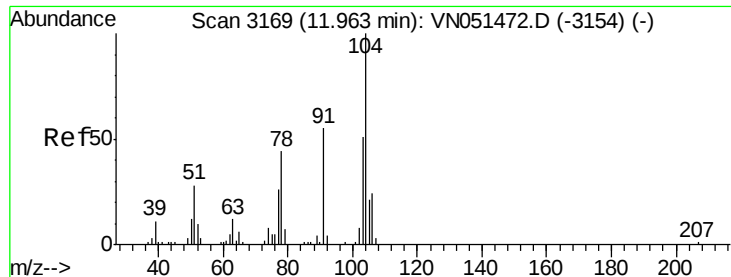
Tot Ion:106 Resp: 67043
Ion Ratio Lower Upper
106 100
91 198.5 158.8 238.2



#68
o-Xylene
Concen: 4.007 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion:106 Resp: 30850
Ion Ratio Lower Upper
106 100
91 222.2 111.1 333.3

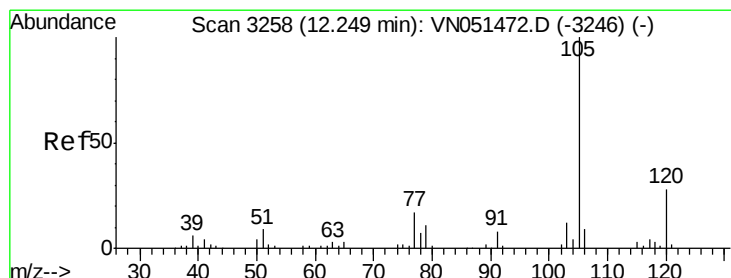
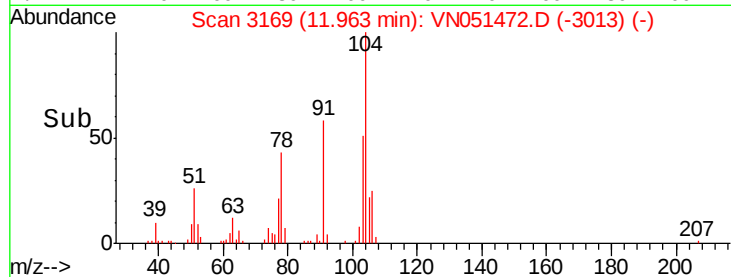
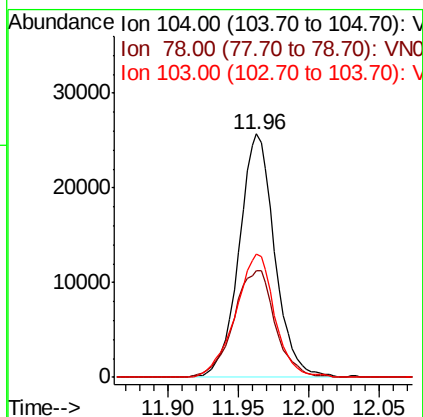
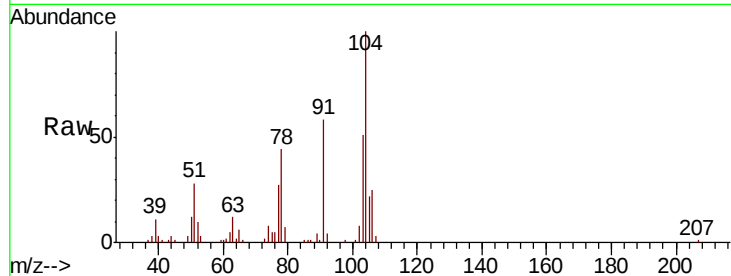




#69
Stvrene
Concen: 3.748 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

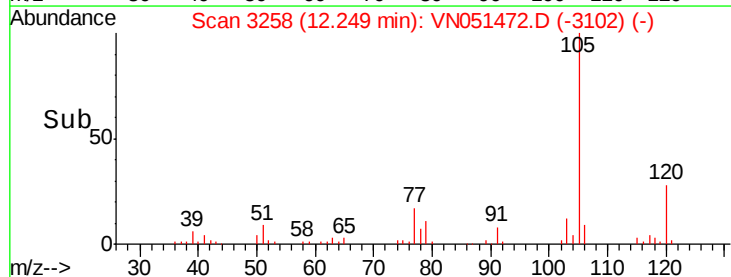
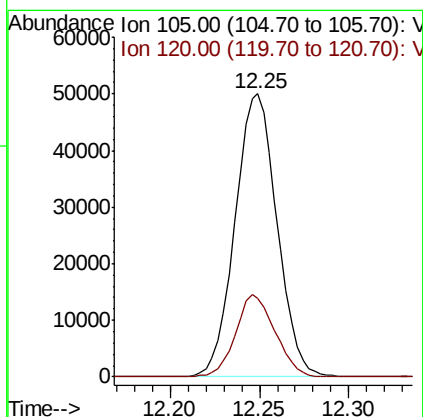
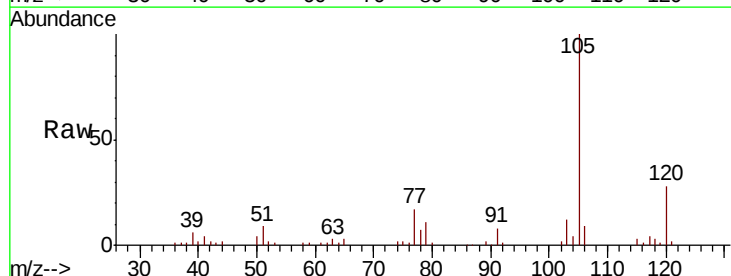
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

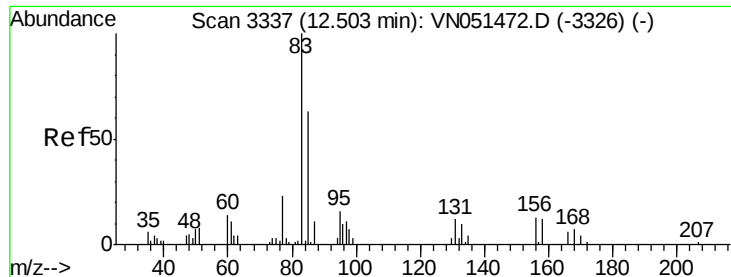
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.7	40.6	60.8
103	55.0	44.0	66.0



#70
Isopropylbenzene
Concen: 3.986 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	19.0	35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 5.243 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

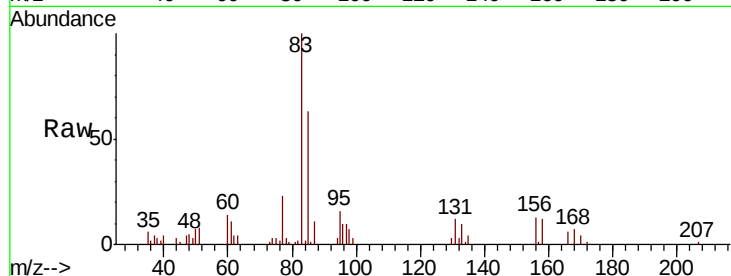
Tot Ion: 83 Resp: 25427

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.4

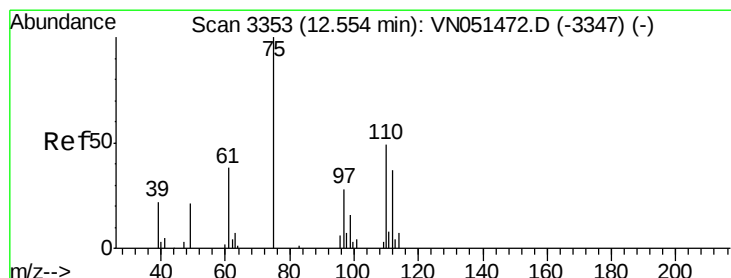
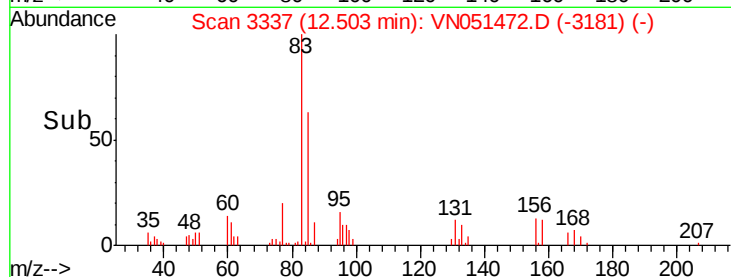
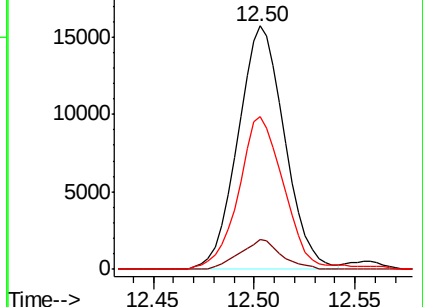
85 61.2 30.6 91.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 7.339 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051472.D

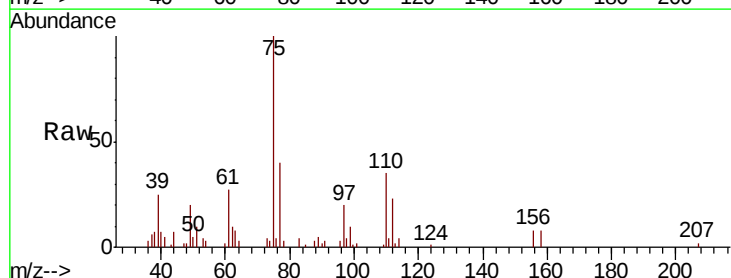
Acq: 25 Sep 2018 9:11

Tgt Ion: 75 Resp: 28071

Ion Ratio Lower Upper

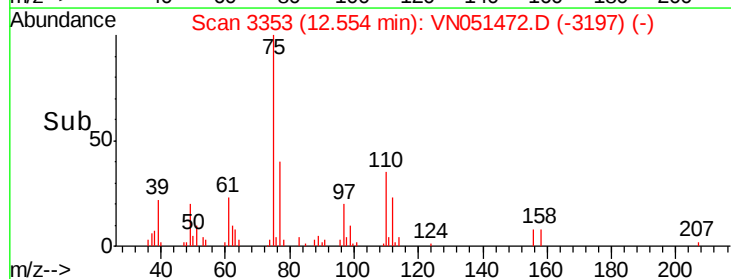
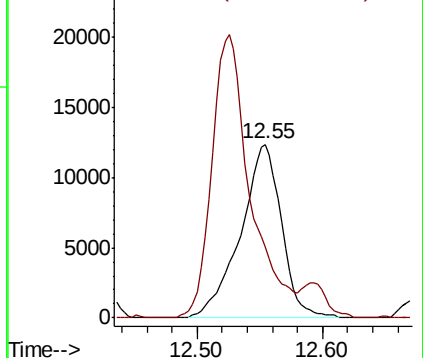
75 100

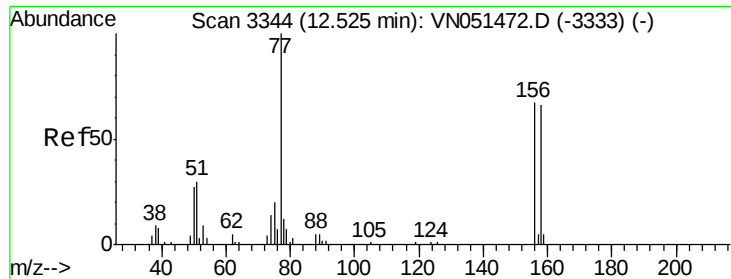
77 152.7 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 4.374 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

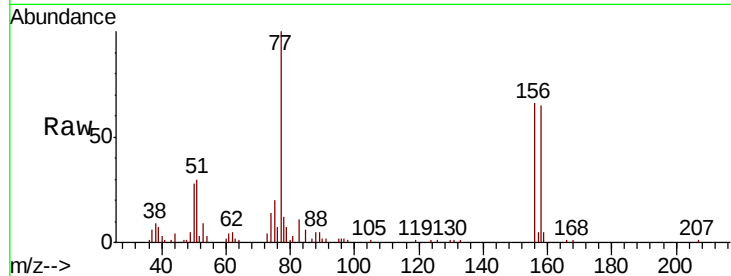
Tot Ion:156 Resp: 22714

Ion Ratio Lower Upper

156 100

77 188.7 0.0 377.4

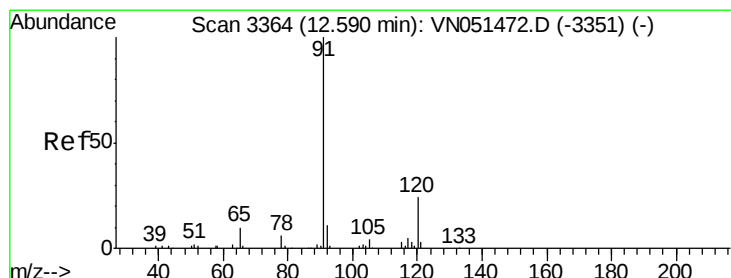
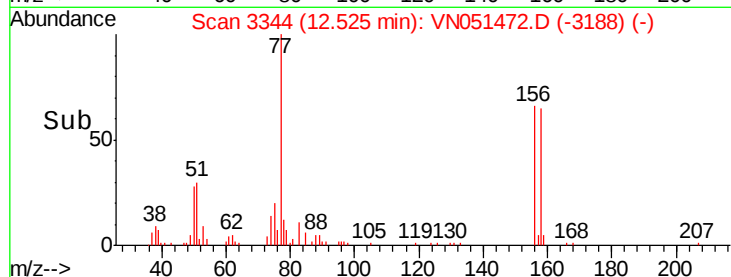
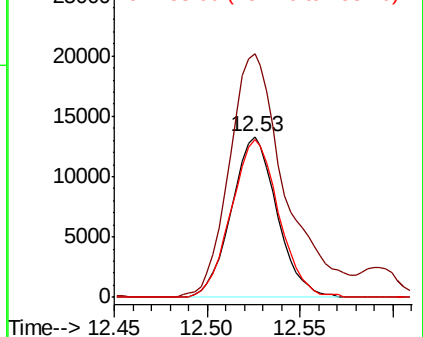
158 101.5 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 3.932 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051472.D

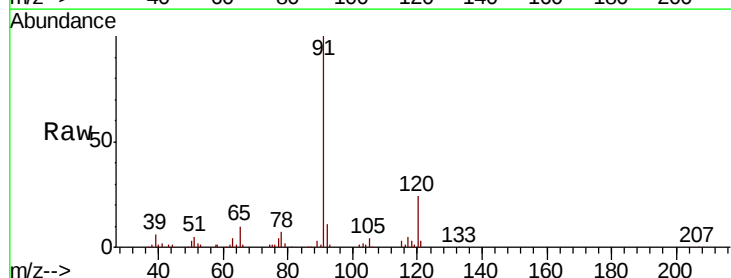
Acq: 25 Sep 2018 9:11

Tgt Ion: 91 Resp: 94180

Ion Ratio Lower Upper

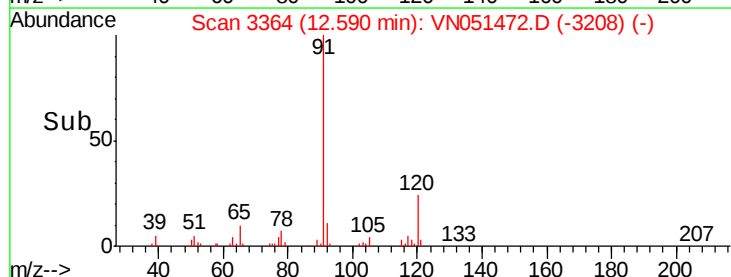
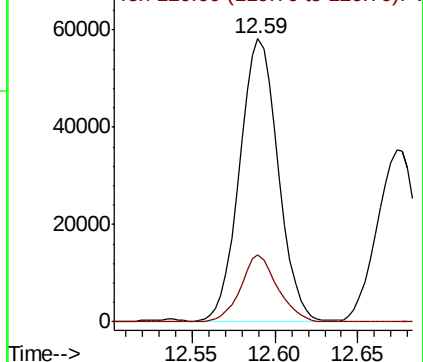
91 100

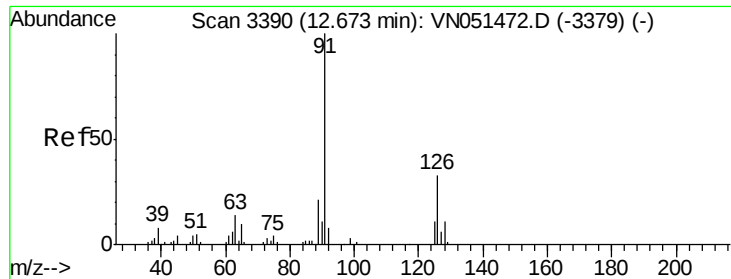
120 22.5 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 4.284 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

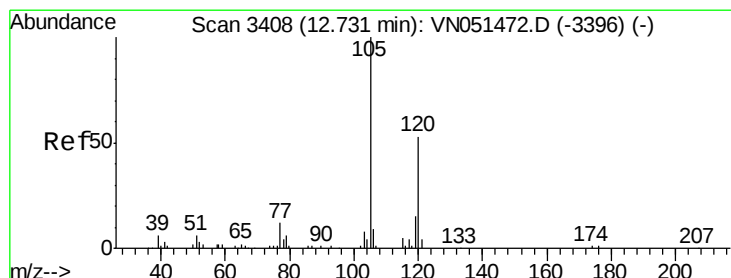
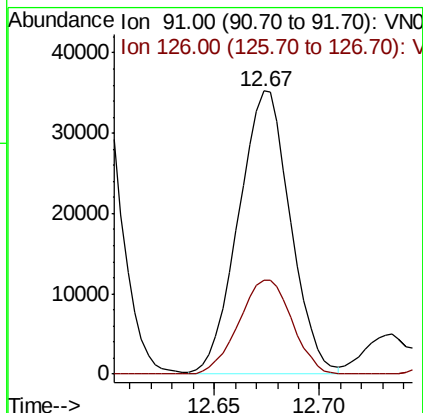
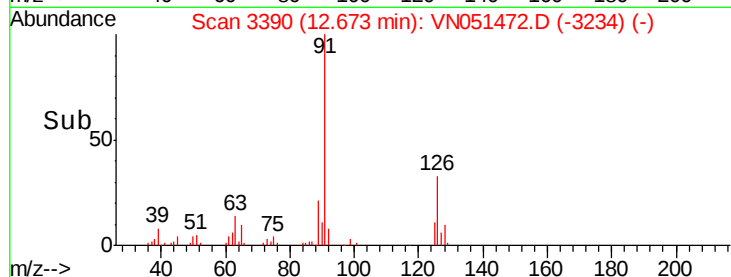
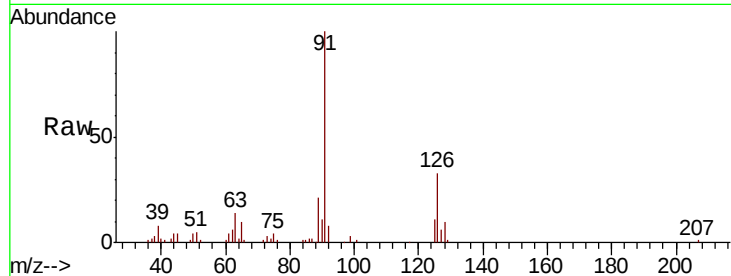
VSTDIC005

Tot Ion: 91 Resp: 60552

Ion Ratio Lower Upper

91 100

126 33.8 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 3.973 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051472.D

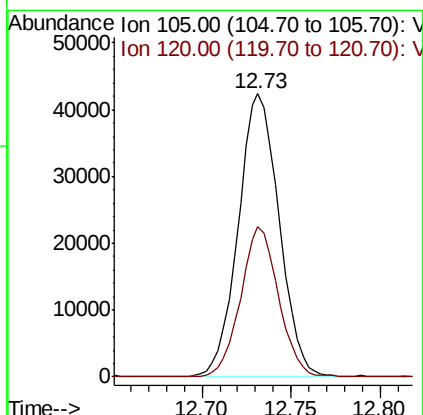
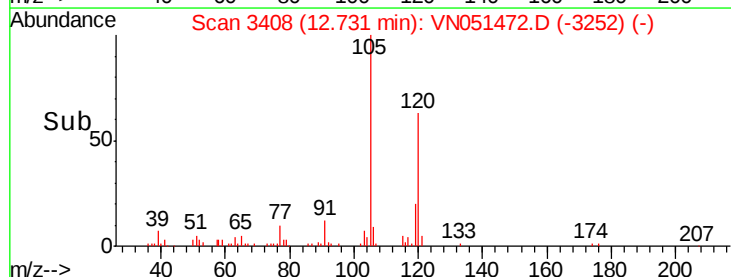
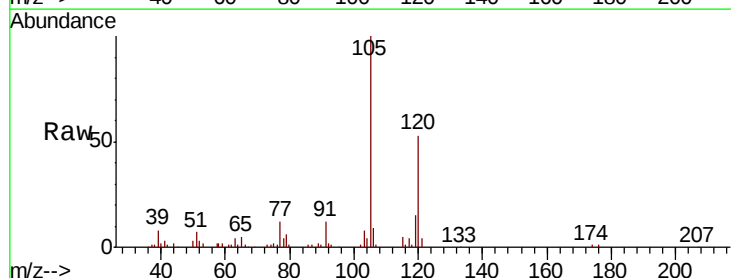
Acq: 25 Sep 2018 9:11

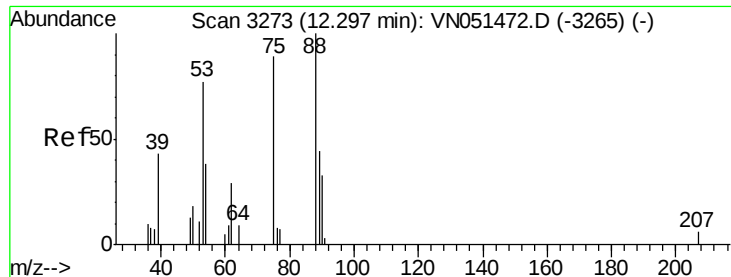
Tgt Ion: 105 Resp: 67546

Ion Ratio Lower Upper

105 100

120 49.1 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 3.431 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

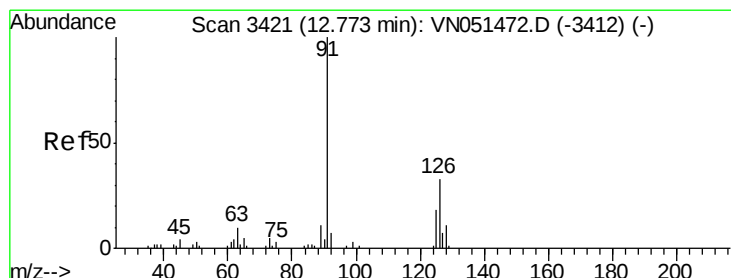
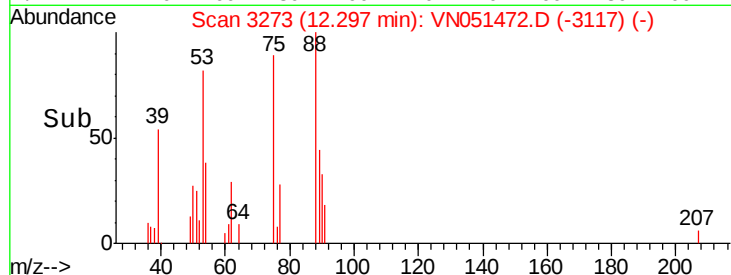
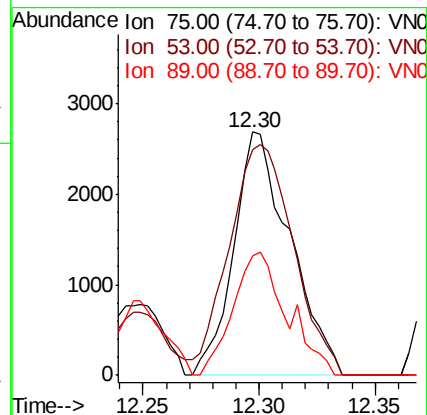
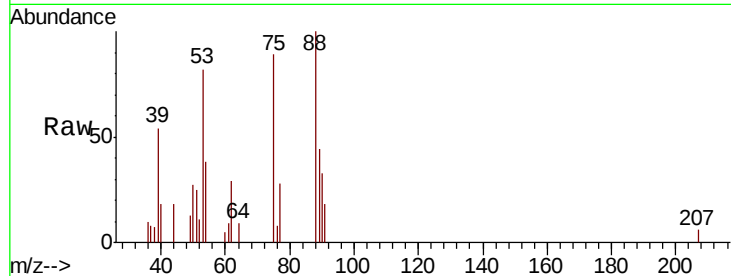
Tot Ion: 75 Resp: 4525

Ion Ratio Lower Upper

75 100

53 92.6 46.3 138.9

89 49.2 24.6 73.8



#78

4-Chlorotoluene

Concen: 3.896 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051472.D

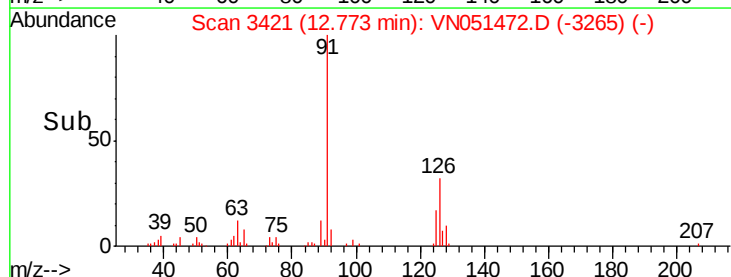
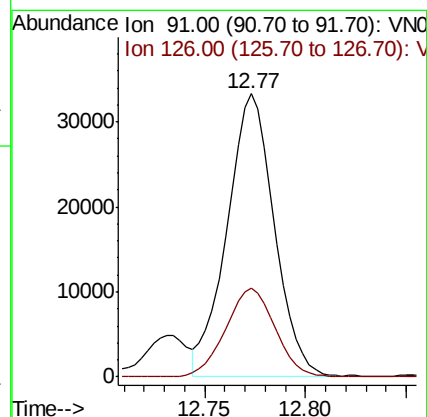
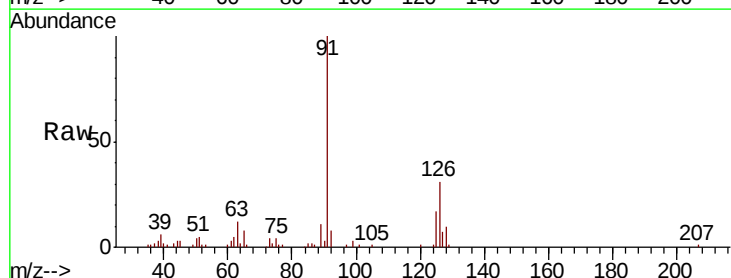
Acq: 25 Sep 2018 9:11

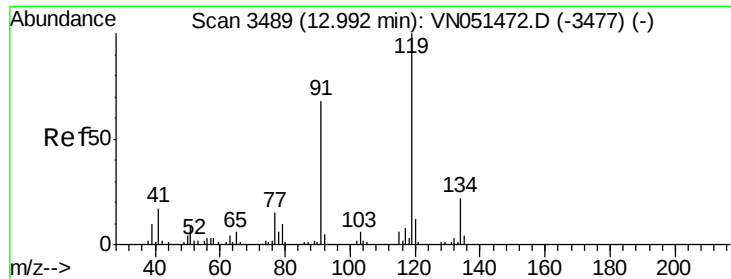
Tgt Ion: 91 Resp: 54622

Ion Ratio Lower Upper

91 100

126 32.6 0.0 65.2

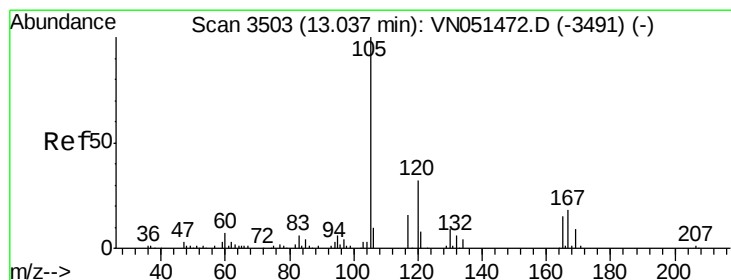
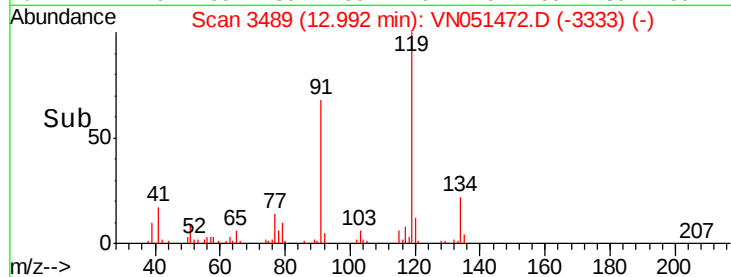
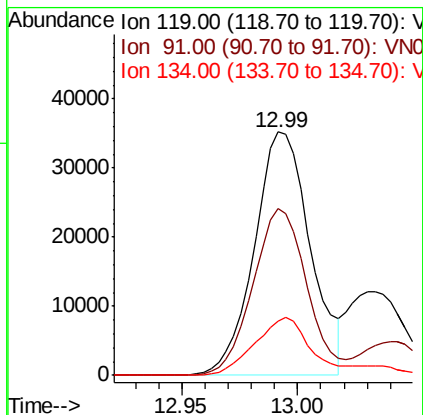
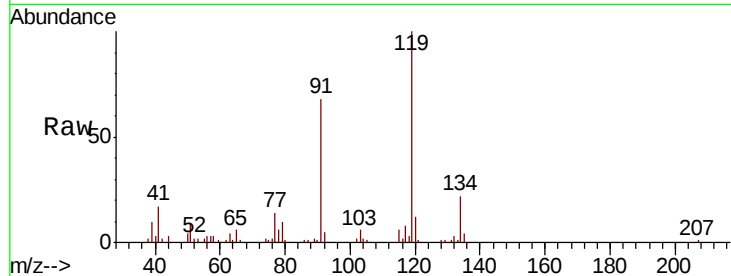




#79
tert-butylbenzene
Concen: 4.009 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

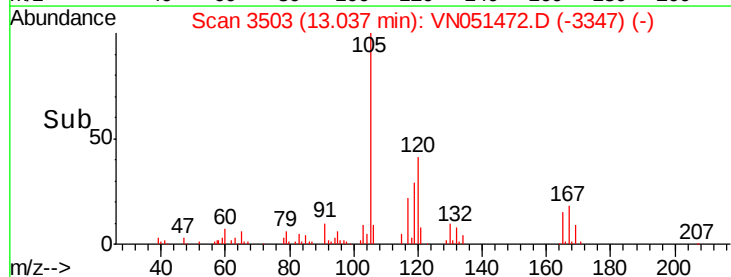
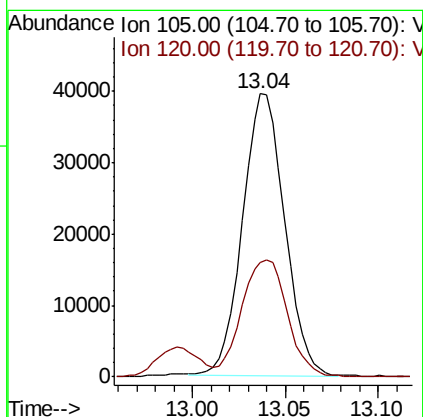
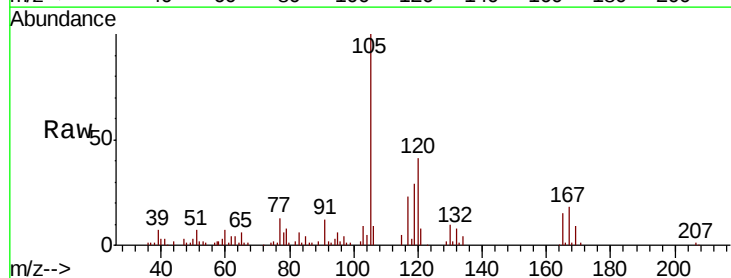
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

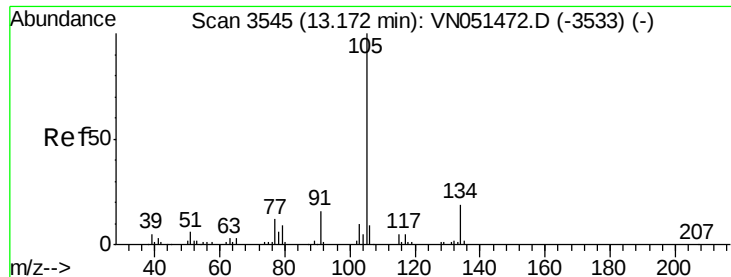
Tot Ion:119 Resp: 59349
Ion Ratio Lower Upper
119 100
91 65.8 0.0 131.6
134 23.1 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 3.659 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion:105 Resp: 62541
Ion Ratio Lower Upper
105 100
120 44.8 0.0 89.6

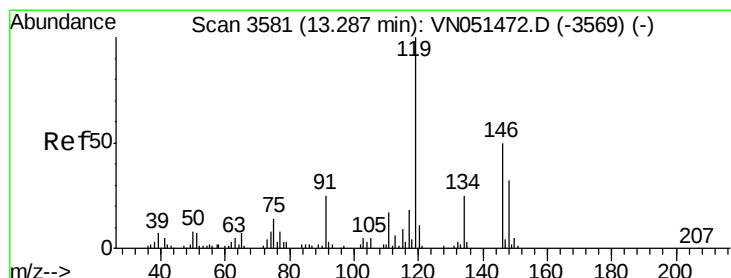
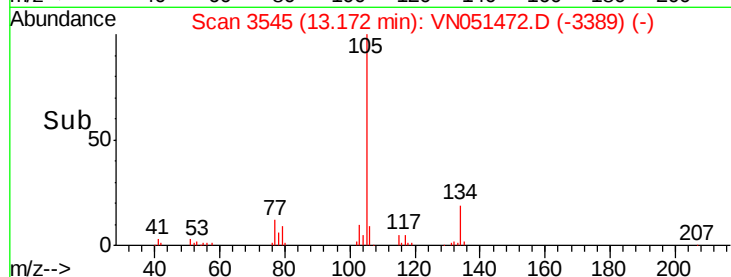
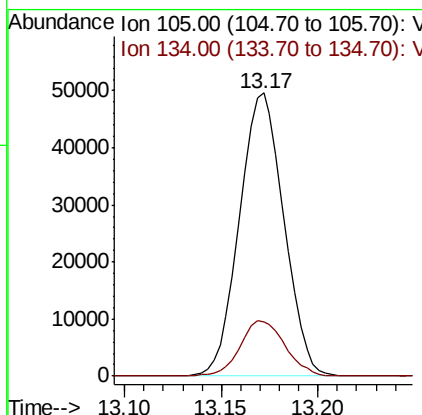
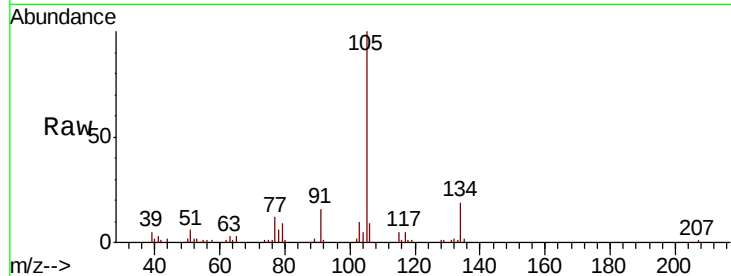




#81
 sec-Butylbenzene
 Concen: 3.894 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

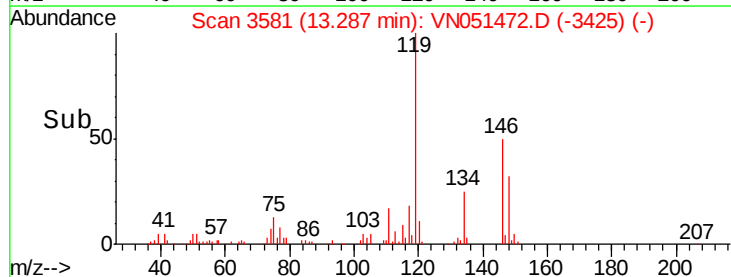
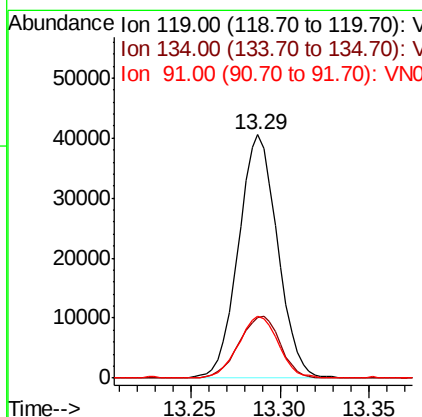
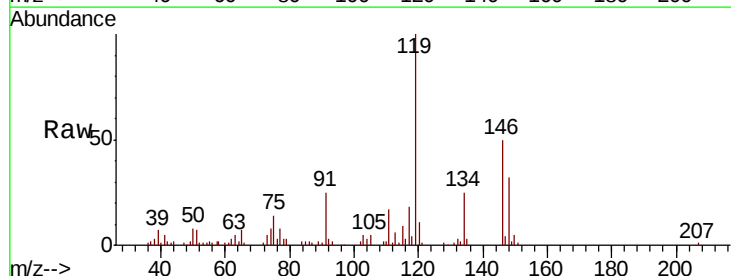
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

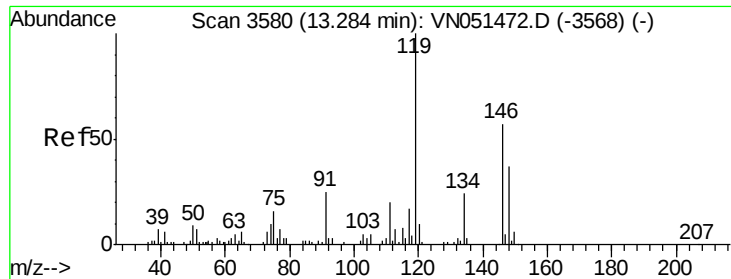
Tot Ion:105 Resp: 79281
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 3.521 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion:119 Resp: 61887
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.6
 91 26.0 0.0 52.0





#83

1,3-Dichlorobenzene

Concen: 4.119 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

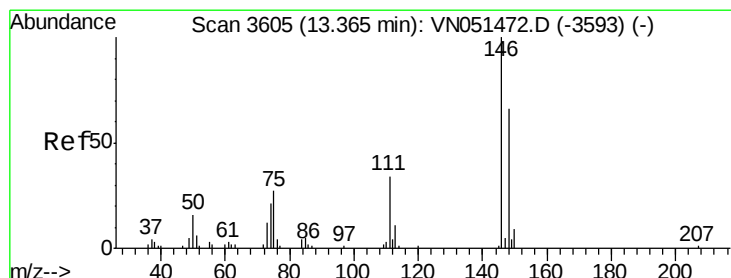
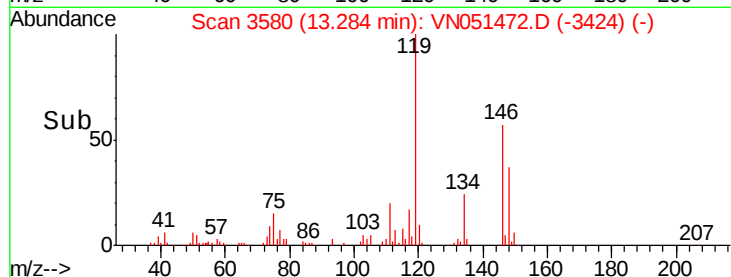
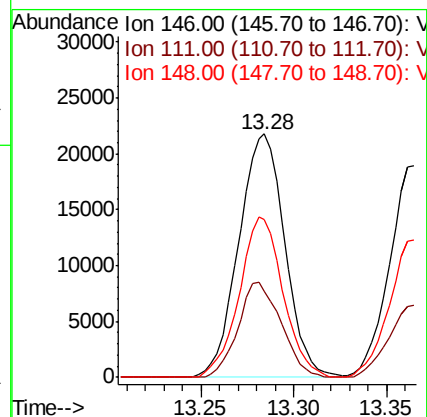
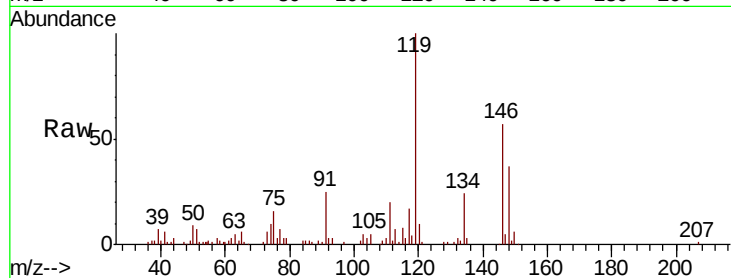
Tot Ion:146 Resp: 37517

Ion Ratio Lower Upper

146 100

111 36.2 18.1 54.3

148 62.5 31.3 93.8



#84

1,4-Dichlorobenzene

Concen: 3.624 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

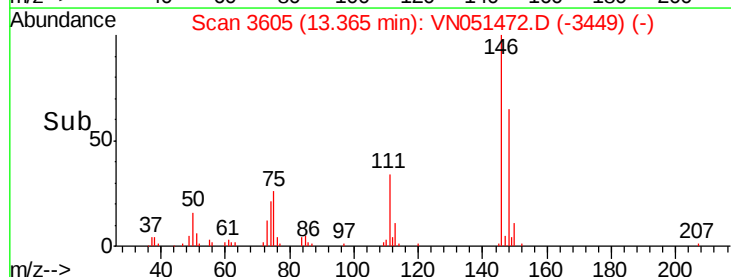
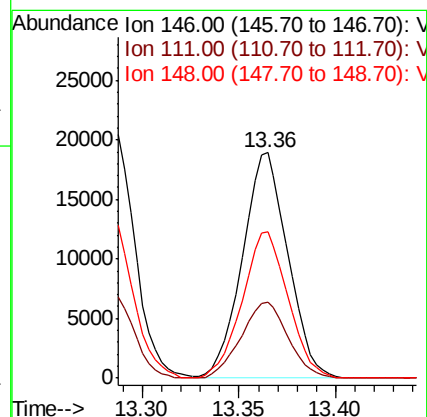
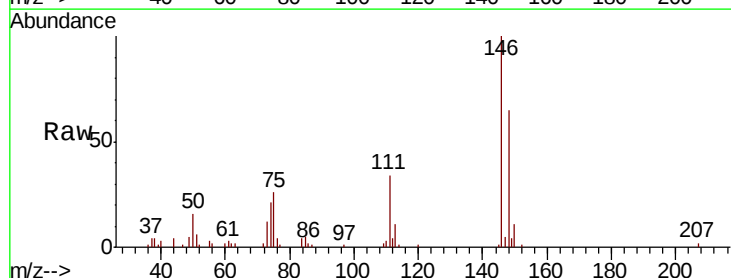
Tgt Ion:146 Resp: 31004

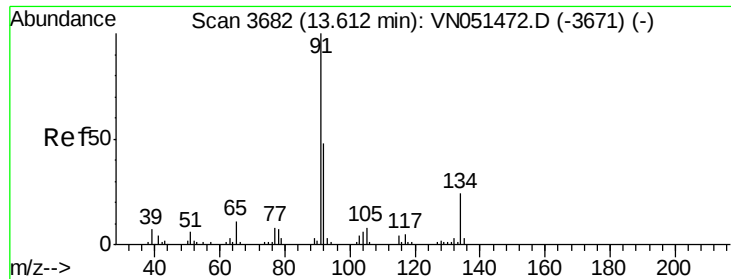
Ion Ratio Lower Upper

146 100

111 34.8 17.4 52.2

148 65.5 32.8 98.3

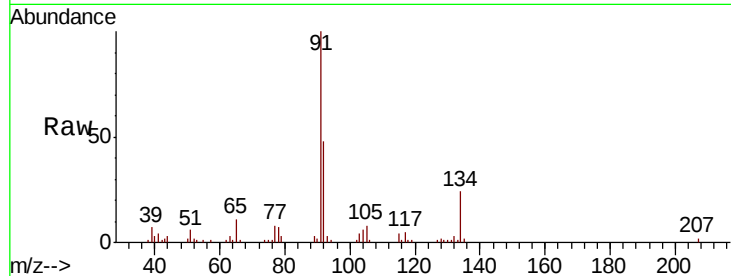




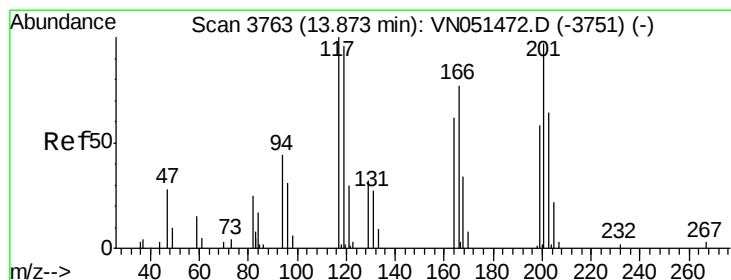
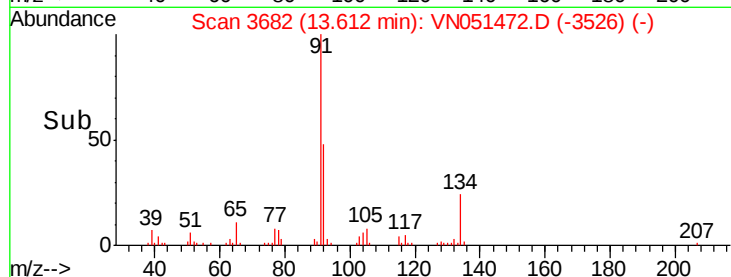
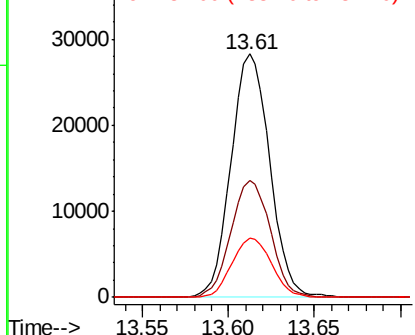
#85
n-Butylbenzene
Concen: 3.070 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 44305
Ion Ratio Lower Upper
91 100
92 48.7 0.0 97.4
134 24.8 0.0 49.6

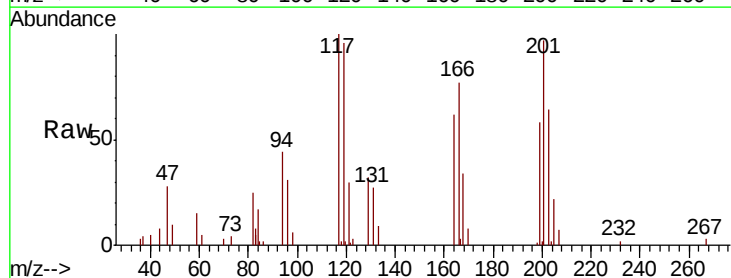


Abundance Ion 91.00 (90.70 to 91.70): VN051472.D (-3671) (-)
Ion 92.00 (91.70 to 92.70): VN051472.D (-3671) (-)
Ion 134.00 (133.70 to 134.70): VN051472.D (-3671) (-)

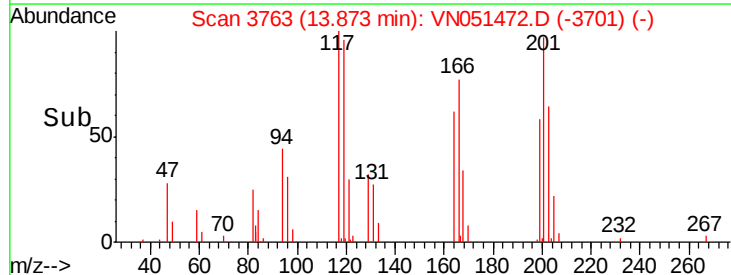
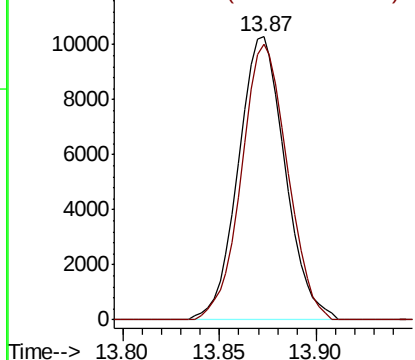


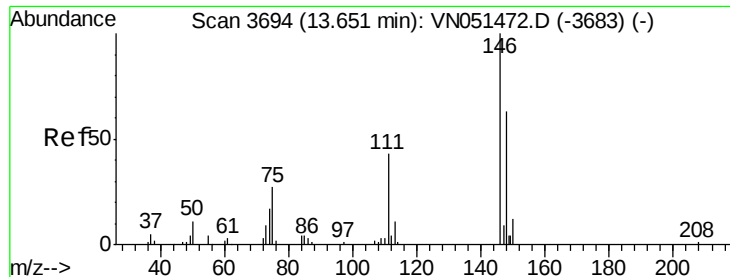
#86
Hexachloroethane
Concen: 4.919 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051472.D
Acq: 25 Sep 2018 9:11

Tgt Ion: 117 Resp: 17328
Ion Ratio Lower Upper
117 100
201 95.5 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051472.D (-3751) (-)
Ion 201.00 (200.70 to 201.70): VN051472.D (-3751) (-)

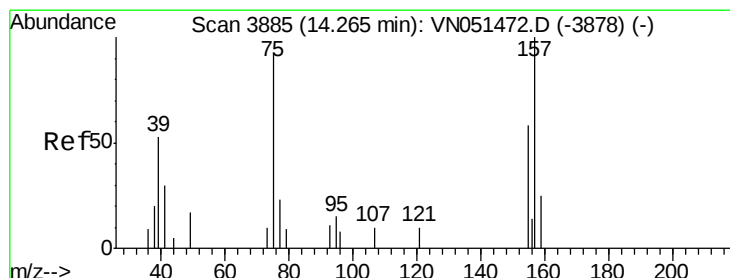
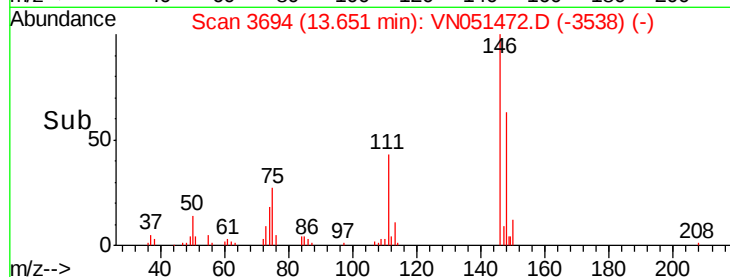
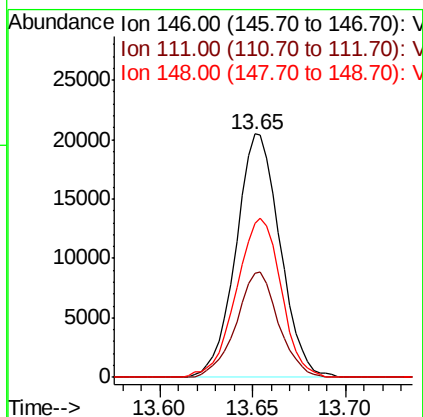
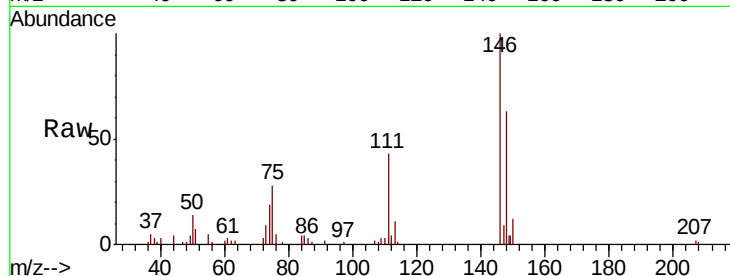




#87
 1,2-Dichlorobenzene
 Concen: 3.926 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

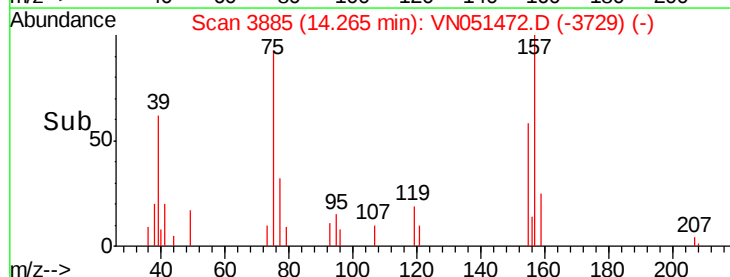
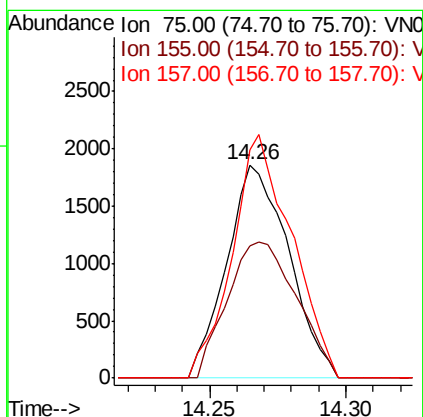
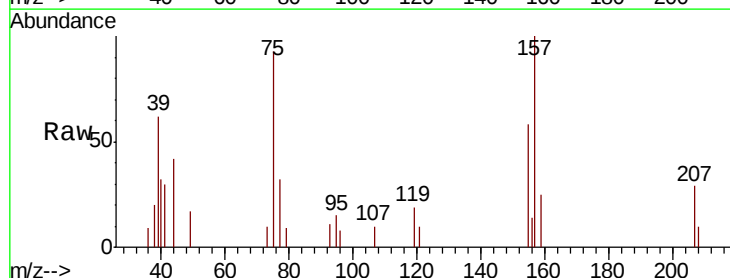
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

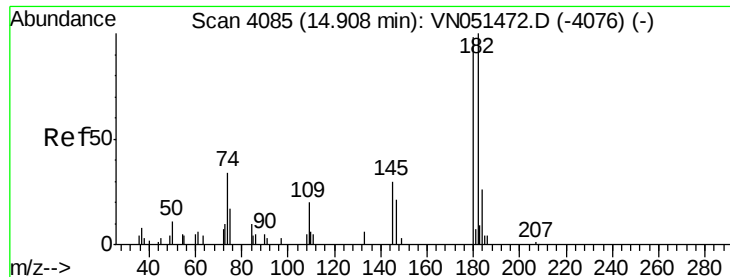
Tot Ion:146 Resp: 33894
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.8 62.2
 148 66.4 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 4.100 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion: 75 Resp: 2935
 Ion Ratio Lower Upper
 75 100
 155 71.3 57.0 85.6
 157 109.2 87.4 131.0

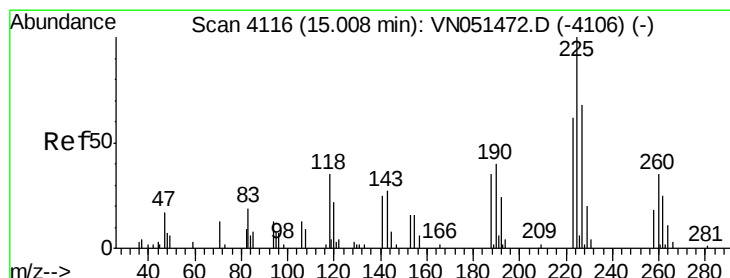
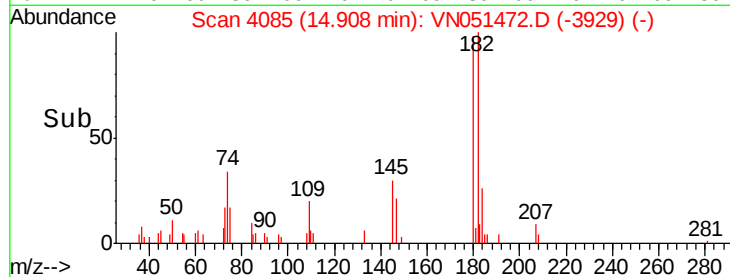
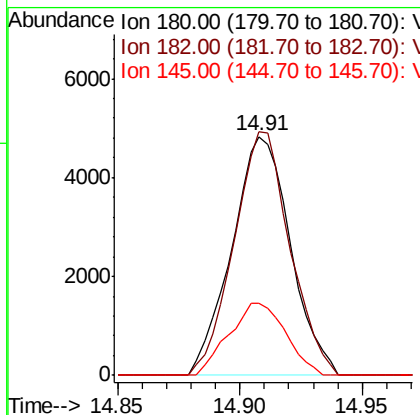
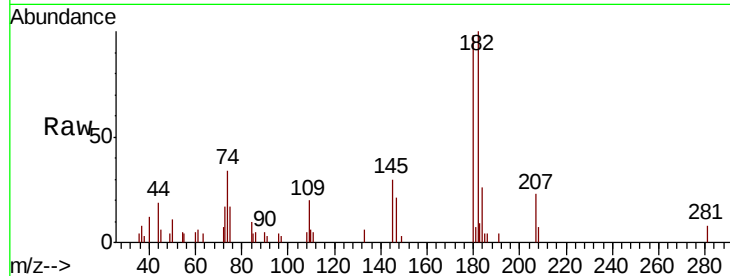




#89
 1,2,4-Trichlorobenzene
 Concen: 1.870 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

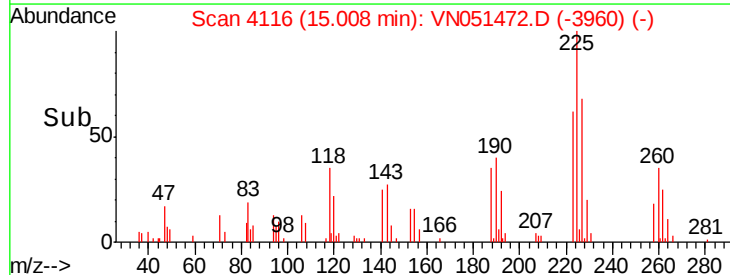
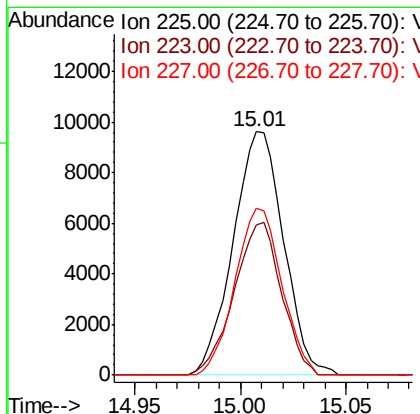
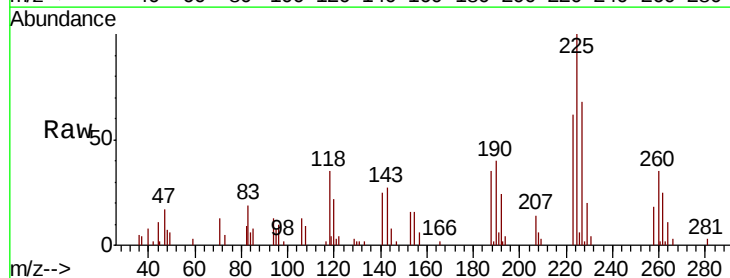
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

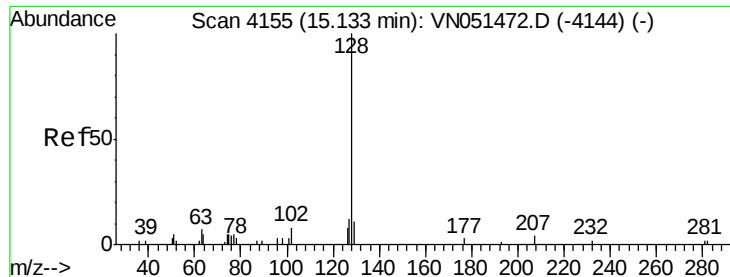
Tot Ion:180 Resp: 8043
 Ion Ratio Lower Upper
 180 100
 182 97.1 77.7 116.5
 145 29.3 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 4.794 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051472.D
 Acq: 25 Sep 2018 9:11

Tgt Ion:225 Resp: 15979
 Ion Ratio Lower Upper
 225 100
 223 58.5 0.0 117.0
 227 63.5 0.0 127.0





#91

Naphthalene

Concen: 1.693 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

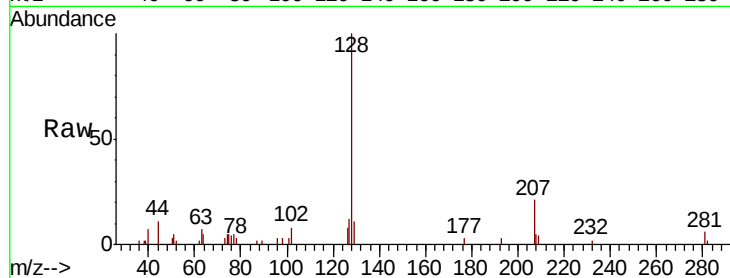
Tot Ion:128 Resp: 13739

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

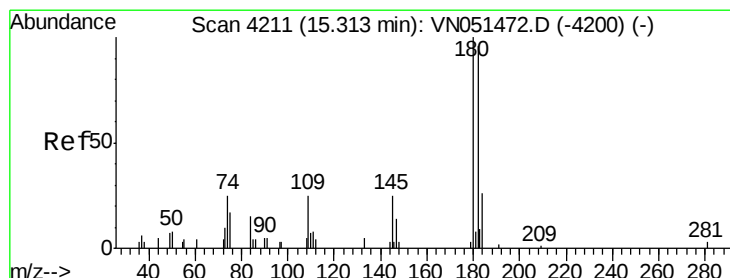
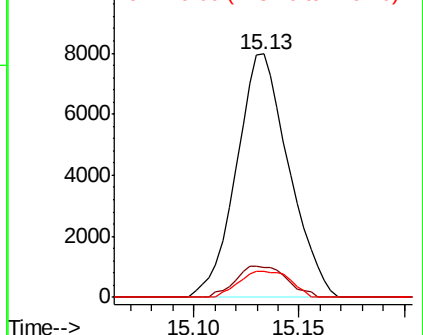
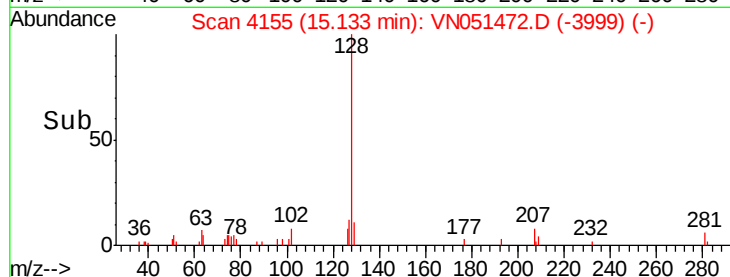
129 10.5 8.4 12.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 2.229 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051472.D

Acq: 25 Sep 2018 9:11

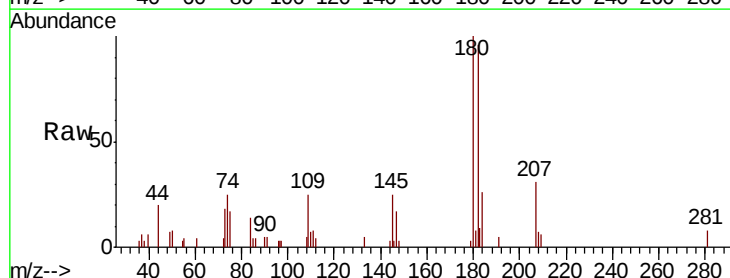
Tgt Ion:180 Resp: 9679

Ion Ratio Lower Upper

180 100

182 99.0 0.0 198.0

145 18.4 0.0 36.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

