

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051825.D
 Acq On : 12 Oct 2018 9:03
 Operator : MD\SY
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Quant Time: Oct 22 06:58:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	148110	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	842678	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	773964	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	272565	30.24	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.80%
60) 4-Bromofluorobenzene	12.40	95	342314	30.67	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.23%
63) Toluene-d8	10.09	98	990036	29.46	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	284442	49.433	ug/l 100
3) Chloromethane	2.06	50	313763	51.594	ug/l 98
4) Vinyl Chloride	2.18	62	465425	51.249	ug/l 99
5) Bromomethane	2.56	94	407236	50.751	ug/l 89
6) Chloroethane	2.70	64	335353	51.238	ug/l 99
7) Trichlorofluoromethane	3.01	101	661750	51.110	ug/l 94
8) Diethyl Ether	3.41	74	190974	50.666	ug/l 75
9) 1,1,2-Trichlorotrifluoroet	3.76	101	375624	50.942	ug/l # 40
10) 1,1-Dichloroethene	3.73	96	344261	50.485	ug/l 87
11) Methyl Iodide	3.95	142	520256	52.483	ug/l 95
12) Methyl Acetate	4.33	43	223000	52.663	ug/l 93
13) Acrolein	3.61	56	62262	223.168	ug/l 91
14) Acrylonitrile	4.99	53	485695	256.637	ug/l # 61
15) Acetone	3.82	58	117255	250.632	ug/l 97
16) Carbon Disulfide	4.05	76	909821	50.803	ug/l 98
17) Allyl chloride	4.33	41	417298	51.545	ug/l 78
18) Methylene Chloride	4.55	84	385221	50.524	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	396433	50.913	ug/l 85
20) Diisopropyl ether	5.96	45	924737	51.287	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	640745	50.858	ug/l # 96
22) cis-1,2-Dichloroethene	6.83	96	466687	51.028	ug/l # 82
23) tert-Butyl Alcohol	4.79	59	126071	252.934	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1006442	51.228	ug/l # 66
25) Chloroform	7.37	83	767423	51.344	ug/l 95
26) Cyclohexane	7.65	56	545161	51.040	ug/l # 72
29) 1,1-Dichloropropene	7.79	75	559795	51.536	ug/l 95
30) 2-Butanone	6.84	43	566115	249.354	ug/l # 86
31) 2,2-Dichloropropane	6.83	77	652617	51.073	ug/l # 78
32) 1,1,1-Trichloroethane	7.57	97	732662	50.876	ug/l 95
33) Carbon Tetrachloride	7.78	117	668189	51.284	ug/l 91
34) Benzene	8.04	78	1649027	51.323	ug/l # 61
35) Methacrylonitrile	7.17	41	106837	35.817	ug/l # 72
36) 1,2-Dichloroethane	8.13	62	530213	51.501	ug/l 97
37) Trichloroethene	8.84	130	503994	50.531	ug/l 98
38) Methylcyclohexane	9.08	83	708827	50.878	ug/l 79
39) 1,2-Dichloropropane	9.12	63	386907	51.133	ug/l 95
40) Dibromomethane	9.21	93	287651	51.221	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	600452	51.764	ug/l	93
42) Vinyl Acetate	5.90	43	3277685	256.461	ug/l #	89
43) Ethyl Acetate	6.93	43	255865	51.903	ug/l	98
44) Isopropyl Acetate	8.17	43	509405	51.734	ug/l	97
45) 1,4-Dioxane	9.20	88	83083	1050.840	ug/l #	74
46) Methyl methacrylate	9.20	41	231777	51.032	ug/l	71
47) n-amyl Acetate	12.07	43	443187	53.766	ug/l #	77
48) t-1,3-Dichloropropene	10.38	75	587851	51.968	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	649827	52.112	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	400870	51.663	ug/l	96
51) Ethyl methacrylate	10.43	69	472808	53.224	ug/l	83
52) 1,3-Dichloropropane	10.71	76	618509	51.648	ug/l	97
53) Dibromochloromethane	10.90	129	495996	51.672	ug/l	96
54) 1,2-Dibromoethane	11.01	107	422998	51.937	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	1031253	271.554	ug/l #	92
56) Bromoform	12.13	173	330002	52.128	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	1323663	255.567	ug/l #	87
59) 2-Hexanone	10.75	43	892802	255.511	ug/l #	89
61) Tetrachloroethene	10.63	164	497609	50.274	ug/l	96
62) Toluene	10.16	91	1962957	51.053	ug/l	98
64) Chlorobenzene	11.43	112	1283958	50.988	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	494992	51.213	ug/l	99
66) Ethyl Benzene	11.51	91	2178279	51.261	ug/l	99
67) m/p-Xylenes	11.62	106	1763724	102.375	ug/l	98
68) o-Xylene	11.95	106	875821	51.568	ug/l	88
69) Styrene	11.96	104	1351405	51.861	ug/l	97
70) Isopropylbenzene	12.25	105	2323015	51.291	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	465481	52.043	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	567406	80.640	ug/l	71
73) Bromobenzene	12.53	156	580533	51.749	ug/l	83
74) n-propylbenzene	12.59	91	2529056	51.913	ug/l	95
75) 2-Chlorotoluene	12.68	91	1476610	51.700	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	1948361	52.022	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	124316	53.421	ug/l	96
78) 4-Chlorotoluene	12.77	91	1475827	52.593	ug/l	91
79) tert-butylbenzene	12.99	119	1755434	50.967	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	1959007	52.336	ug/l	96
81) sec-Butylbenzene	13.17	105	2341171	51.961	ug/l	97
82) p-Isopropyltoluene	13.29	119	2122975	52.655	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	1047885	52.937	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	996295	53.463	ug/l	98
85) n-Butylbenzene	13.62	91	1646347	54.151	ug/l	94
86) Hexachloroethane	13.88	117	364180	52.385	ug/l	91
87) 1,2-Dichlorobenzene	13.65	146	1018776	53.160	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68428	51.230	ug/l #	69
89) 1,2,4-Trichlorobenzene	14.91	180	492194	46.641	ug/l	98
90) Hexachlorobutadiene	15.01	225	314908	50.990	ug/l	97
91) Naphthalene	15.13	128	978701	45.871	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	482210	55.305	ug/l	92

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Response via : Initial Calibration

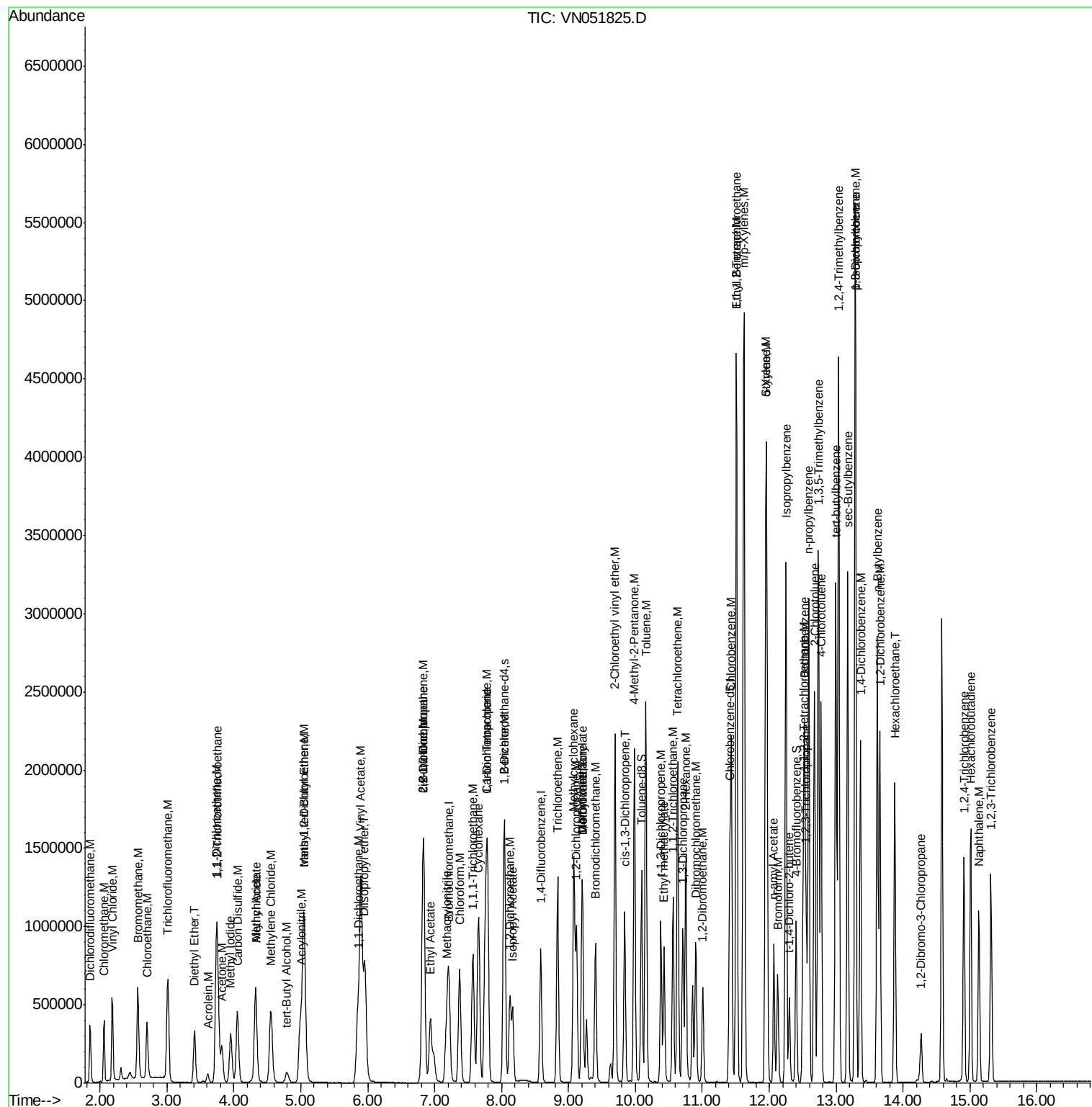
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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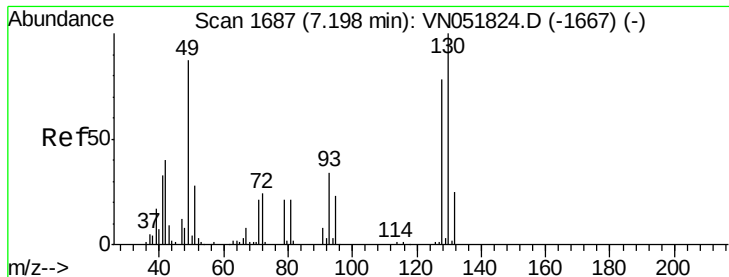
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
VSTDIC050

Quant Time: Oct 22 06:58:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

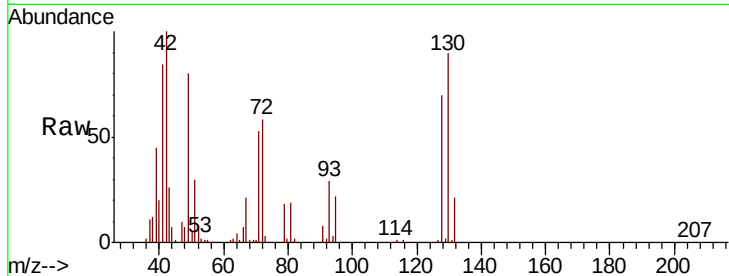
Tot Ion:128 Resp: 148110

Ion Ratio Lower Upper

128 100

49 114.2 0.0 403.3

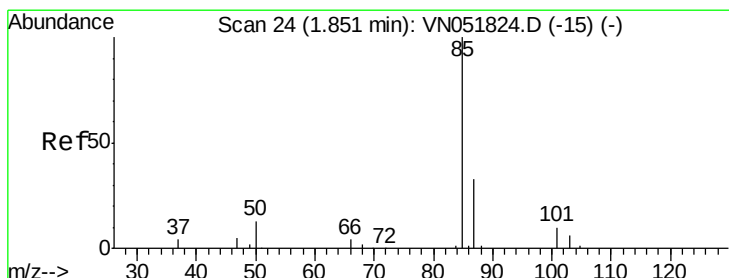
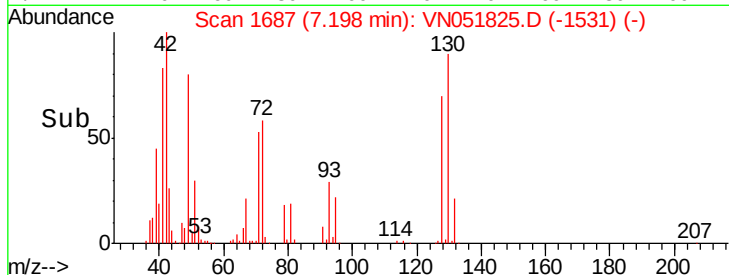
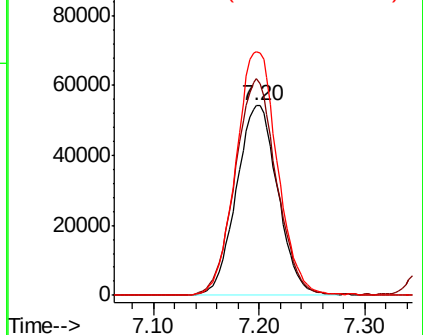
130 129.0 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 49.433 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051825.D

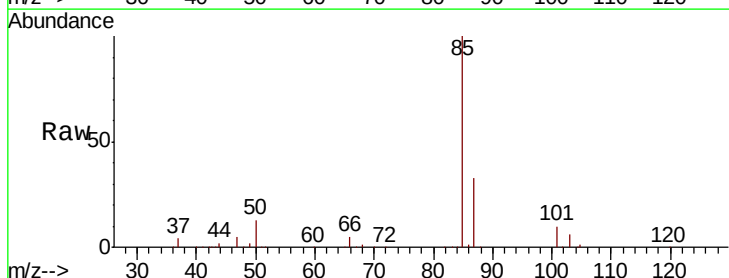
Acq: 12 Oct 2018 9:03

Tgt Ion: 85 Resp: 284442

Ion Ratio Lower Upper

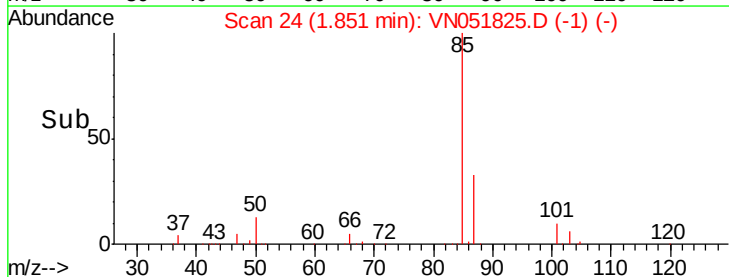
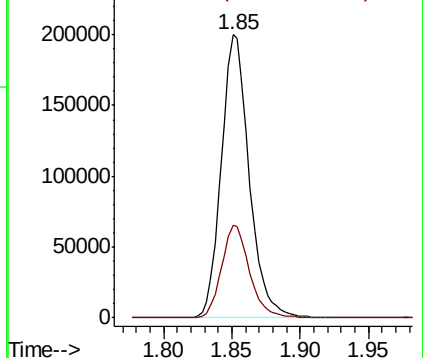
85 100

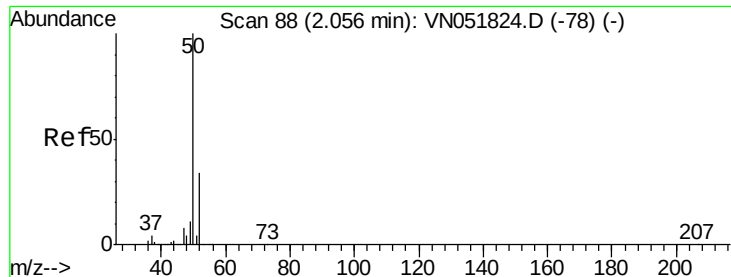
87 32.6 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 51.594 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

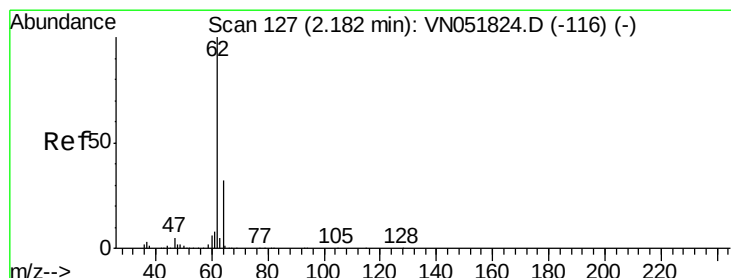
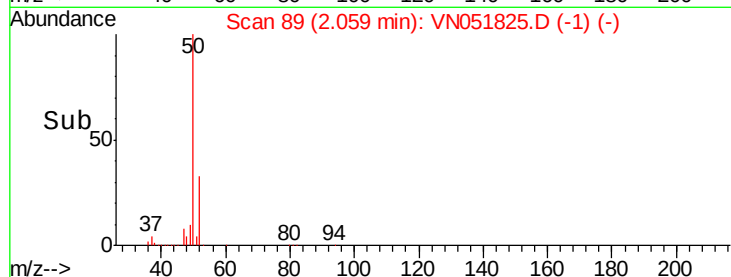
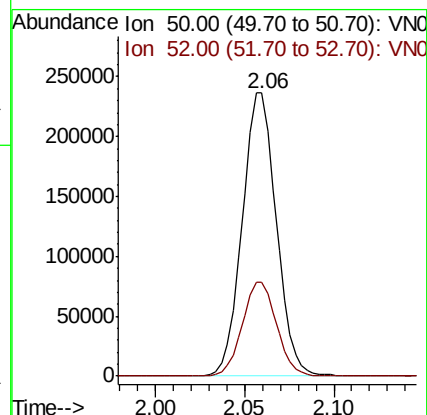
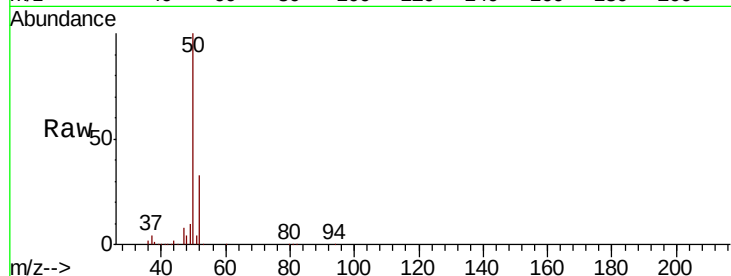
VSTDIC050

Tot Ion: 50 Resp: 313763

Ion Ratio Lower Upper

50 100

52 33.1 27.2 40.8



#4

Vinyl Chloride

Concen: 51.249 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051825.D

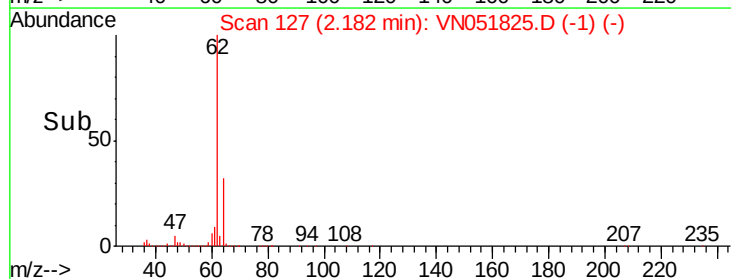
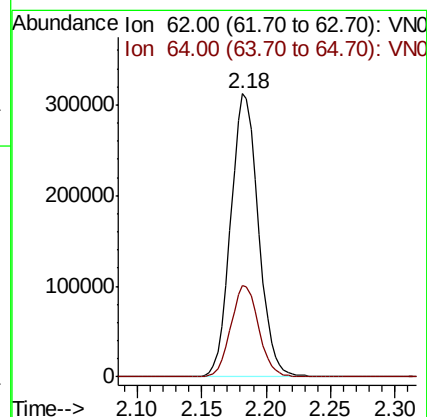
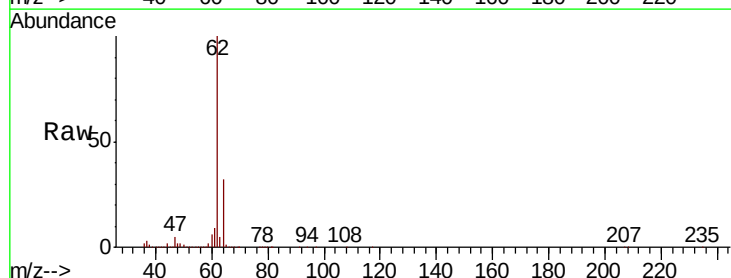
Acq: 12 Oct 2018 9:03

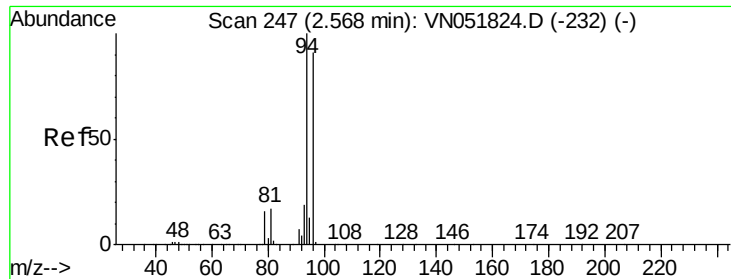
Tgt Ion: 62 Resp: 465425

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.2





#5

Bromomethane

Concen: 50.751 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

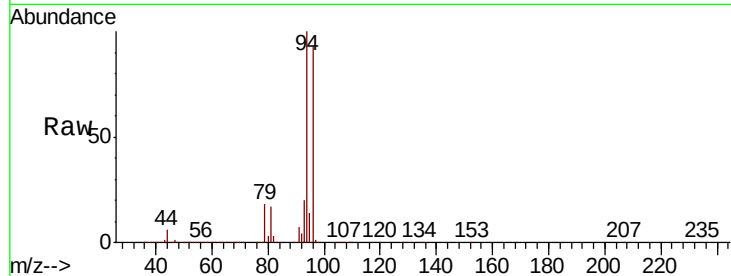
VSTDIC050

Tot Ion: 94 Resp: 407236

Ion Ratio Lower Upper

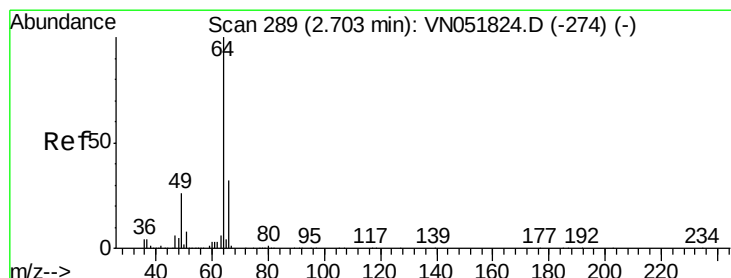
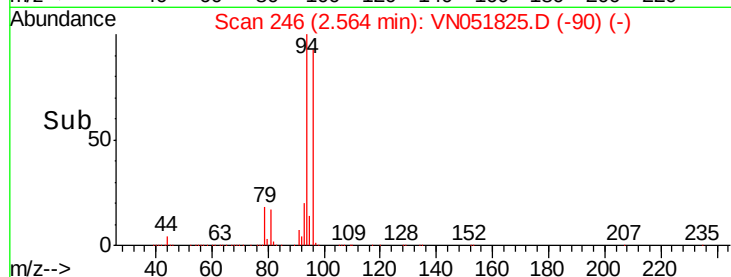
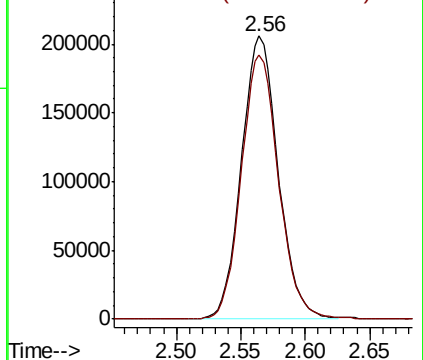
94 100

96 93.3 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 51.238 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051825.D

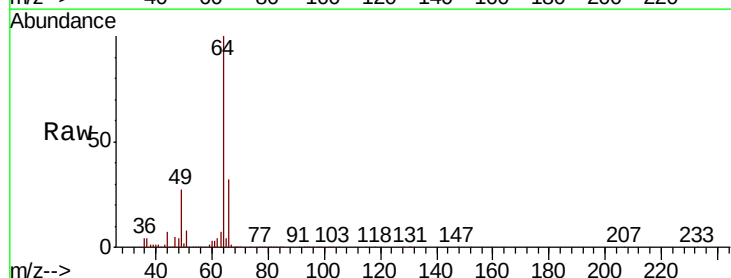
Acq: 12 Oct 2018 9:03

Tgt Ion: 64 Resp: 335353

Ion Ratio Lower Upper

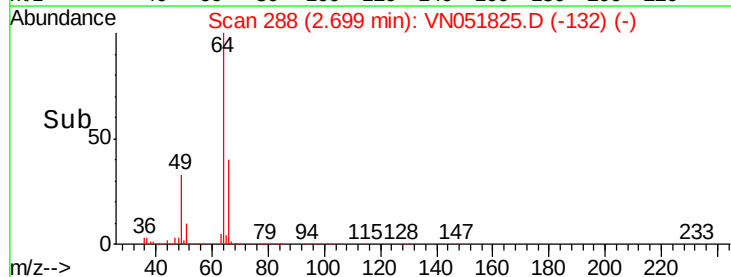
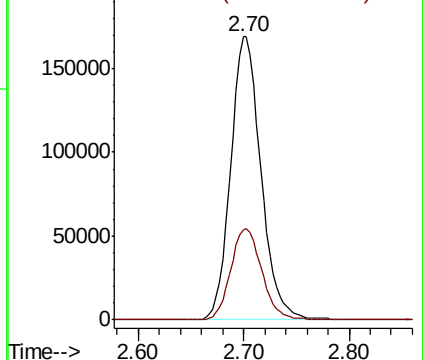
64 100

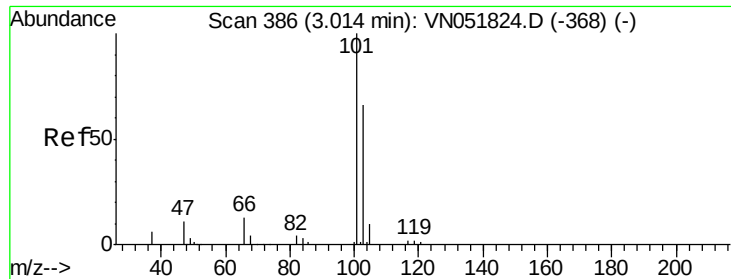
66 31.9 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



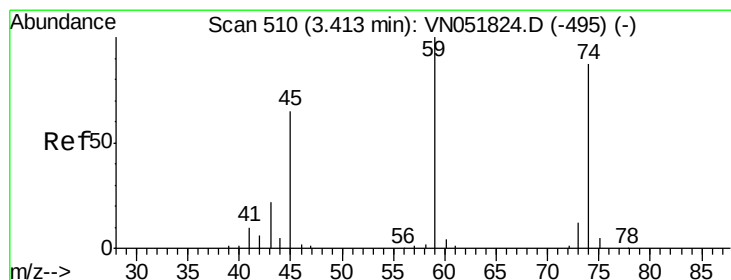
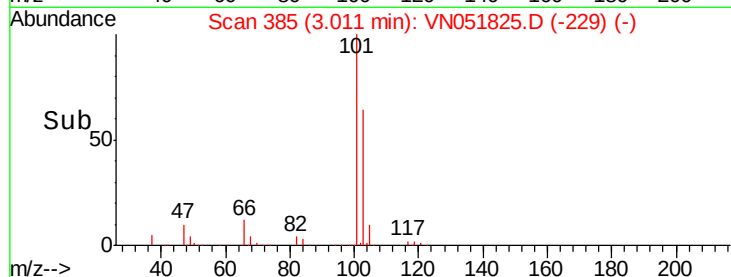
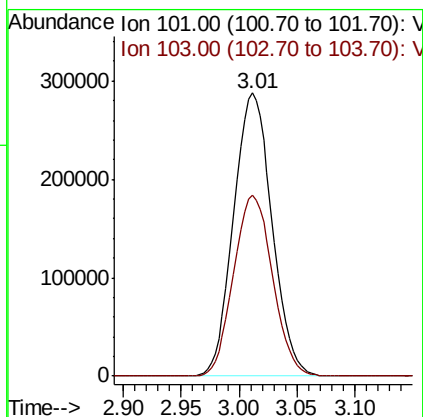
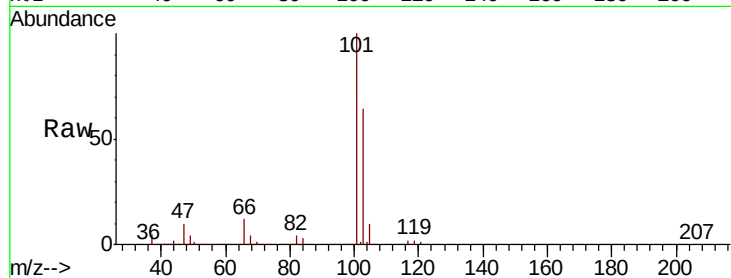


#7

Trichlorofluoromethane
 Concen: 51.110 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Instrument :
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 ClientSampleId :
 VSTDIC050

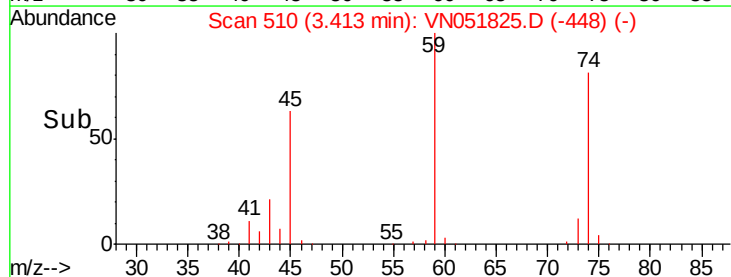
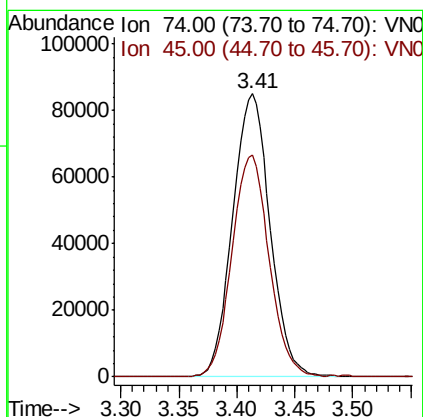
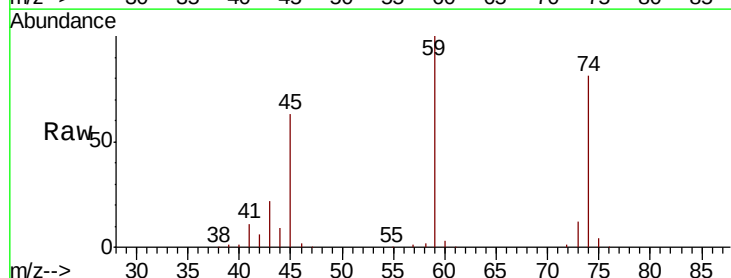
Tot Ion:101 Resp: 661750
 Ion Ratio Lower Upper
 101 100
 103 63.7 54.8 82.2

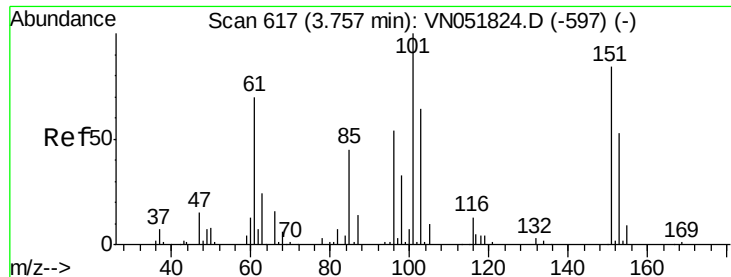


#8

Diethyl Ether
 Concen: 50.666 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 74 Resp: 190974
 Ion Ratio Lower Upper
 74 100
 45 77.6 20.7 186.5

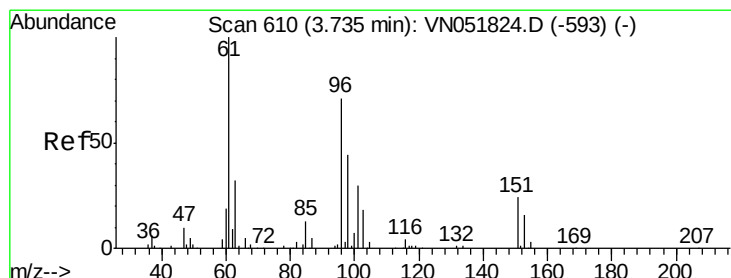
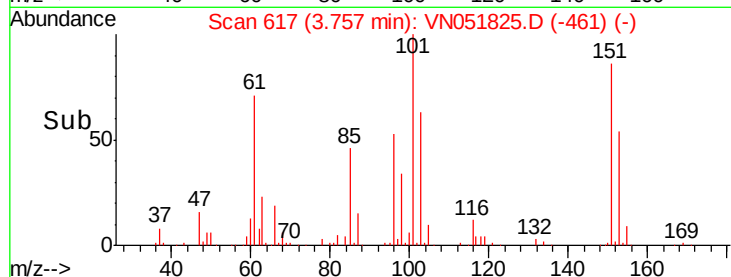
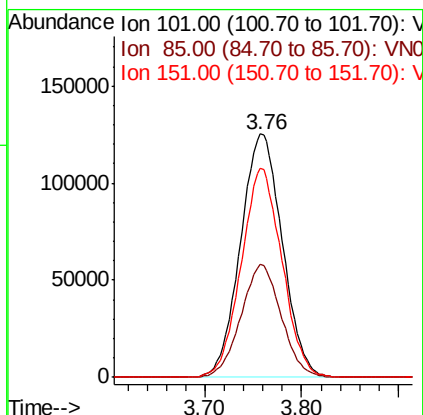
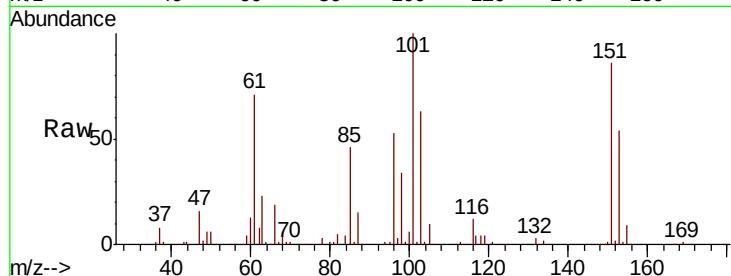




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.942 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

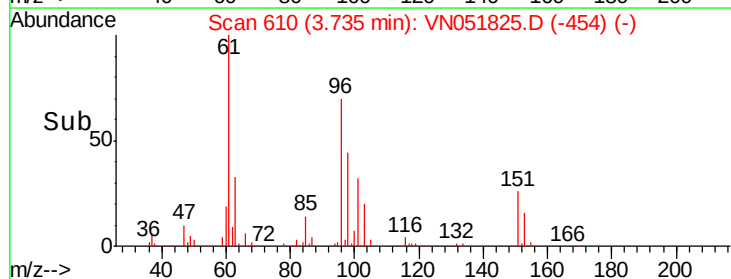
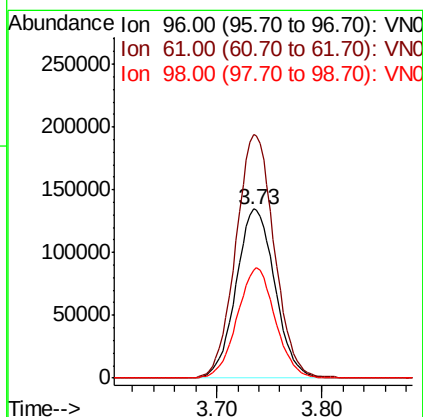
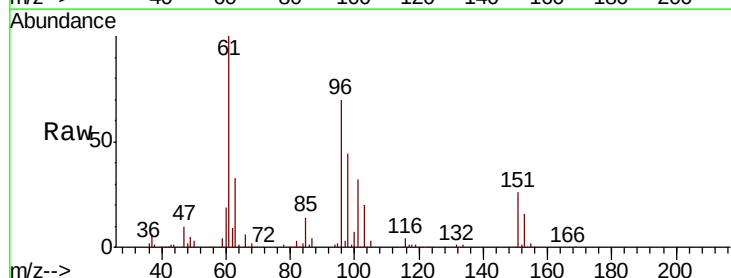
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

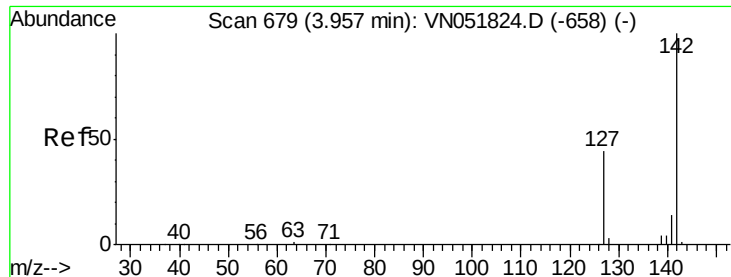
Tot Ion	Ratio	Lower	Upper
101	100		
85	44.7	0.0	46.0
151	83.8	0.0	82.2#



#10
 1,1-Dichloroethene
 Concen: 50.485 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.7	133.0	199.6
98	63.7	52.6	78.8

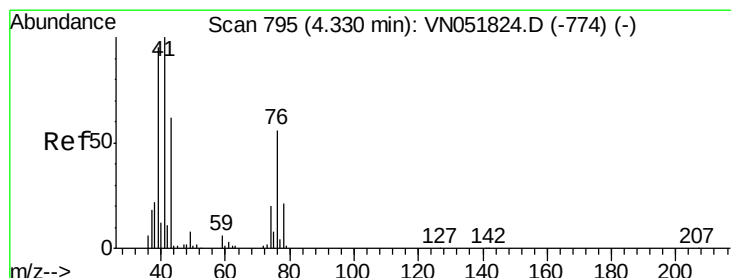
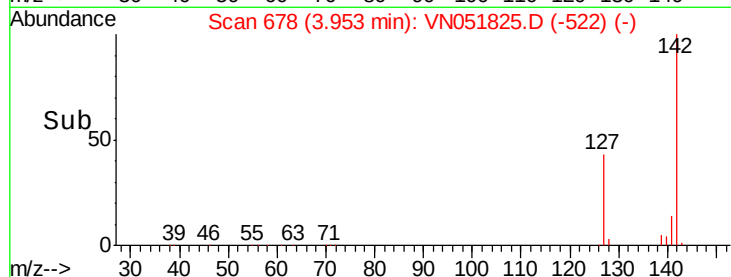
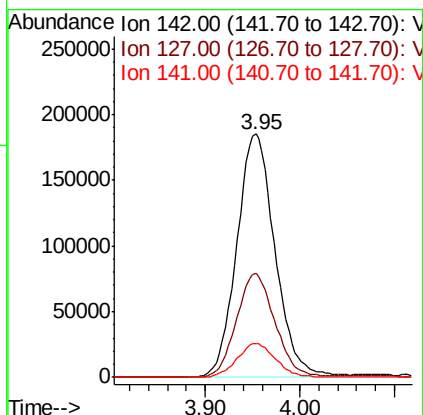
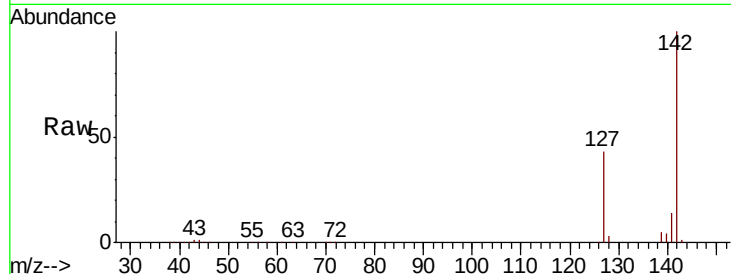




#11
Methyl Iodide
Concen: 52.483 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

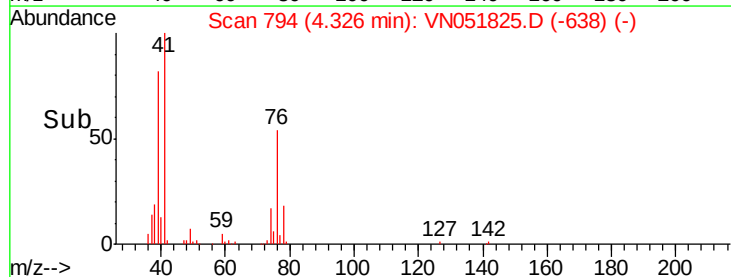
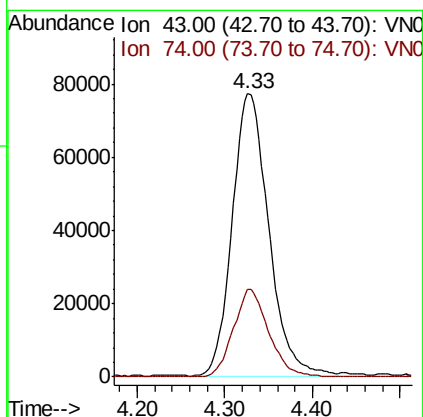
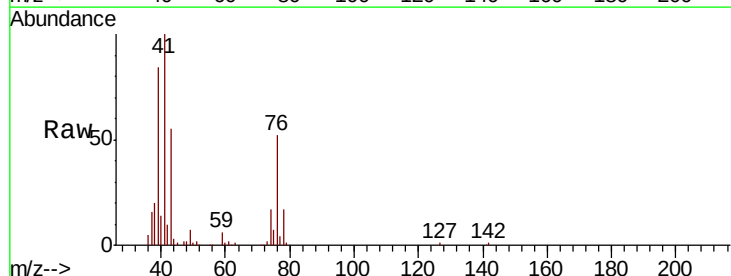
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

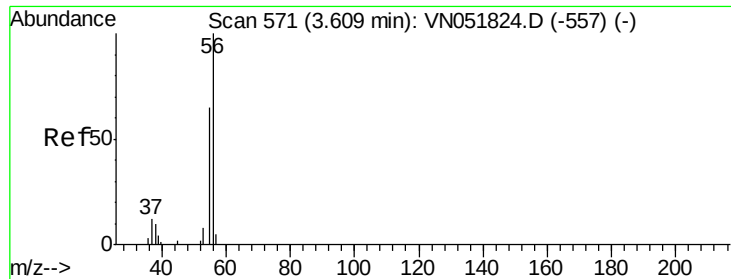
Tot Ion	Ratio	Lower	Upper
142	100		
127	42.5	19.7	59.0
141	14.0	6.3	18.9



#12
Methyl Acetate
Concen: 52.663 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	21.8	32.6





#13

Acrolein

Concen: 223.168 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

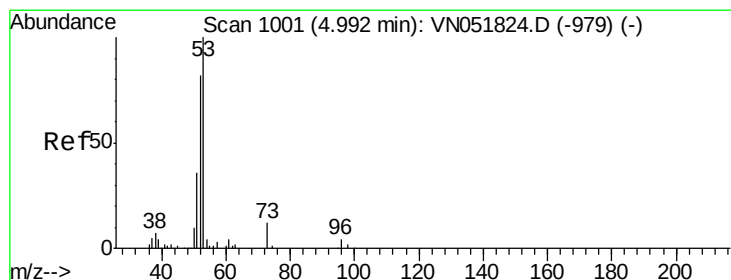
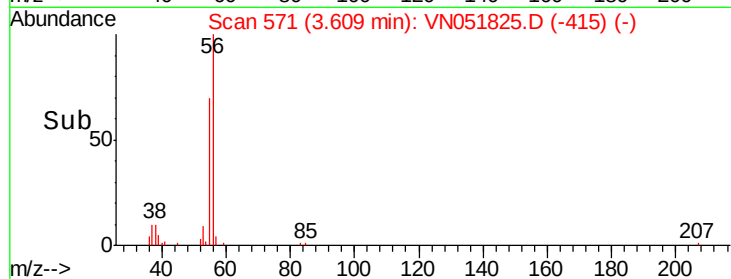
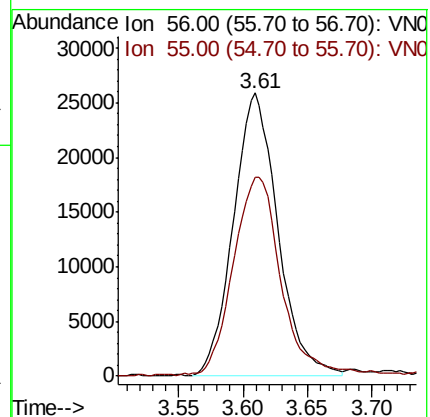
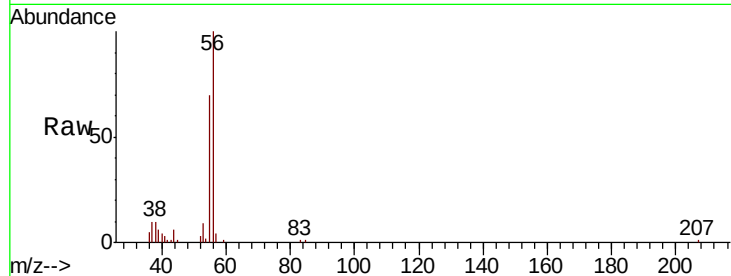
VSTDIC050

Tot Ion: 56 Resp: 62262

Ion Ratio Lower Upper

56 100

55 72.1 64.0 96.0



#14

Acrylonitrile

Concen: 256.637 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

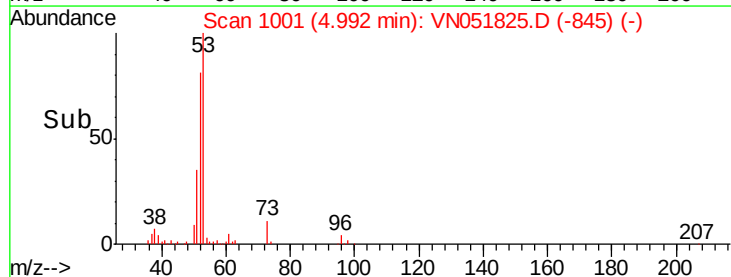
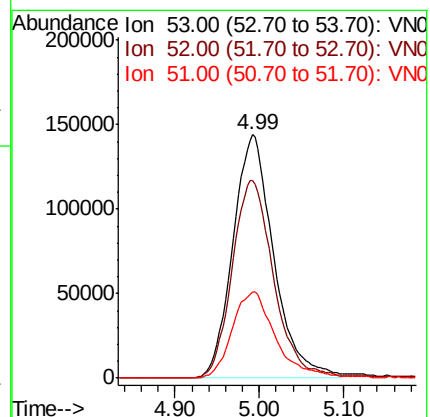
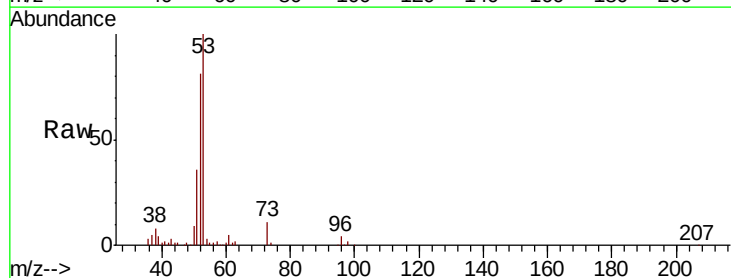
Tgt Ion: 53 Resp: 485695

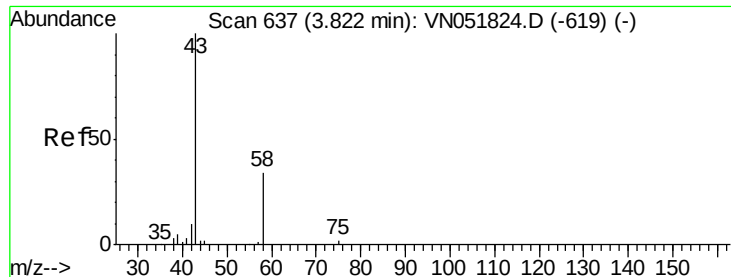
Ion Ratio Lower Upper

53 100

52 82.3 18.3 54.8#

51 37.5 19.7 59.1





#15

Acetone

Concen: 250.632 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

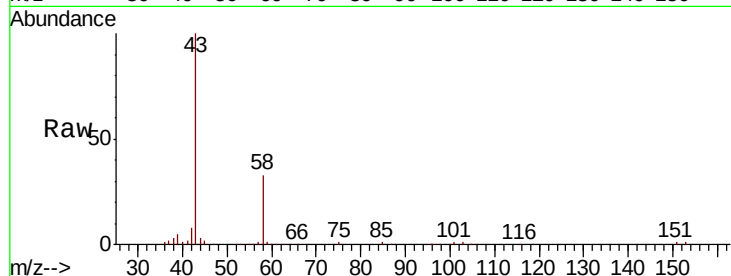
VSTDIC050

Tot Ion: 58 Resp: 117255

Ion Ratio Lower Upper

58 100

43 296.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051824.D (-619) (-)

Ion 43.00 (42.70 to 43.70): VN051824.D (-619) (-)

150000

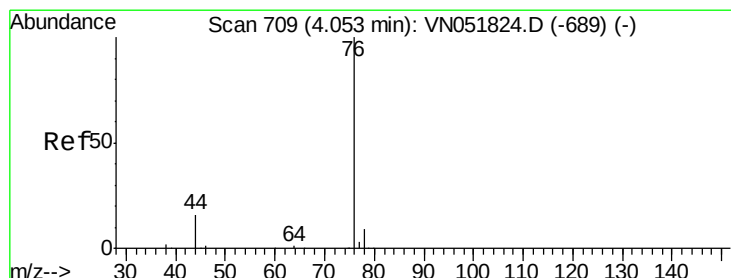
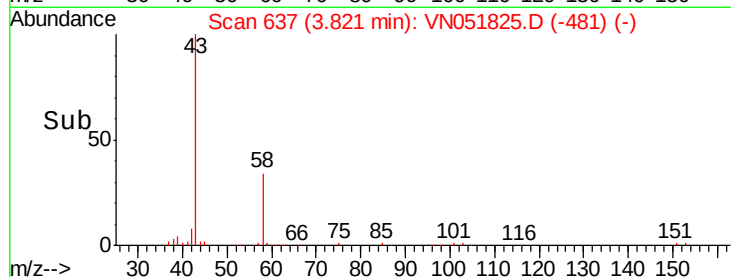
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 50.803 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051825.D

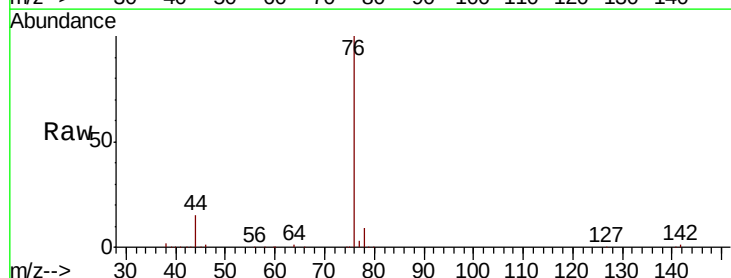
Acq: 12 Oct 2018 9:03

Tgt Ion: 76 Resp: 909821

Ion Ratio Lower Upper

76 100

78 9.1 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-689) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-689) (-)

400000

300000

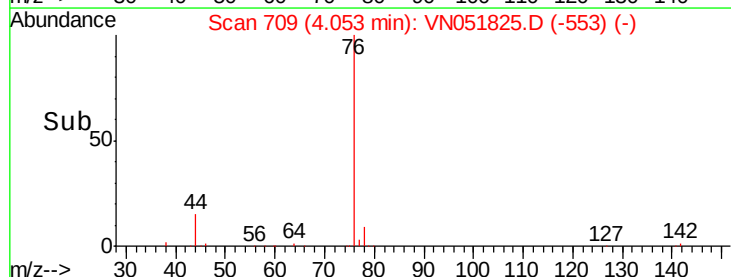
200000

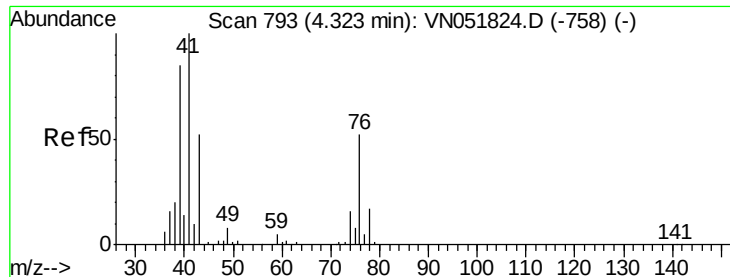
100000

0

4.00 4.10

Time-->

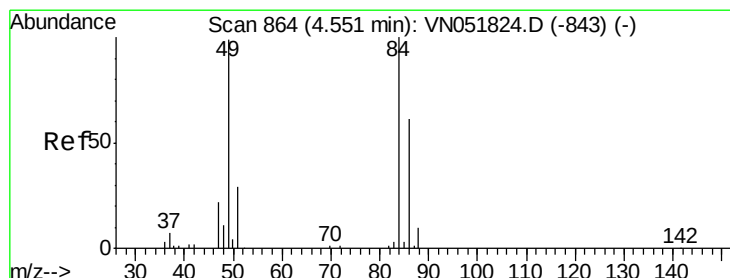
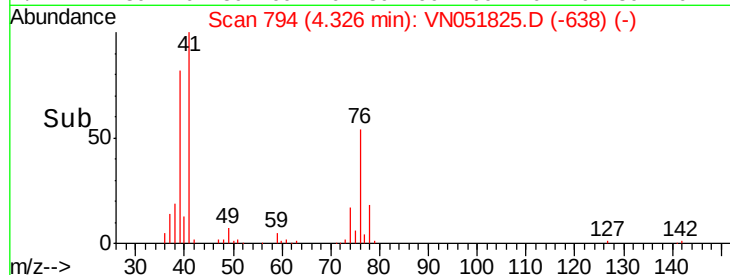
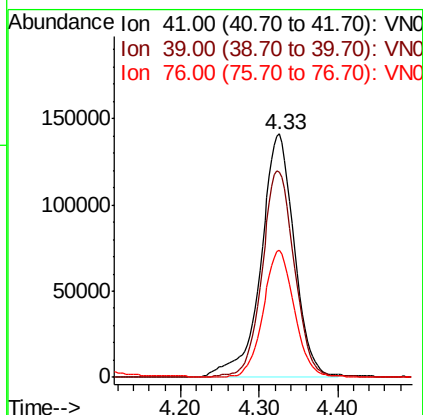
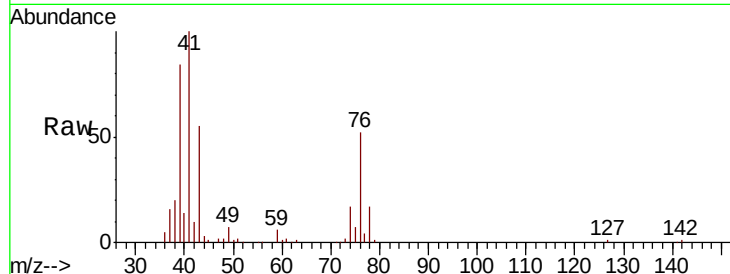




#17
Allvl chloride
Concen: 51.545 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

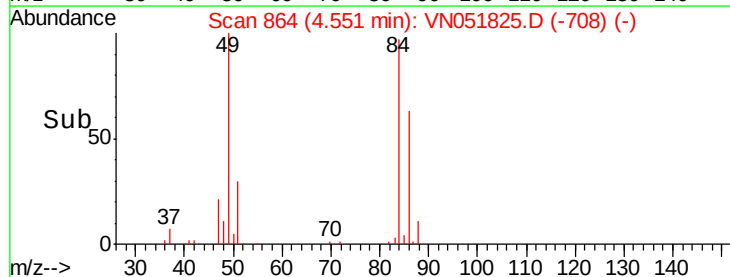
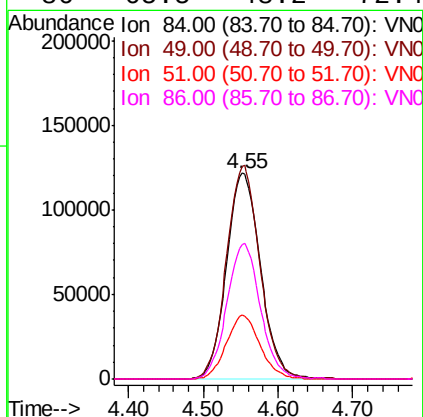
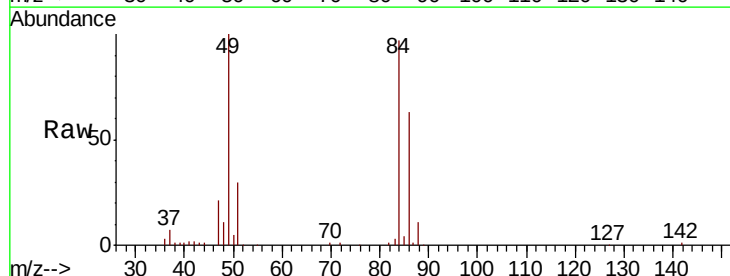
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

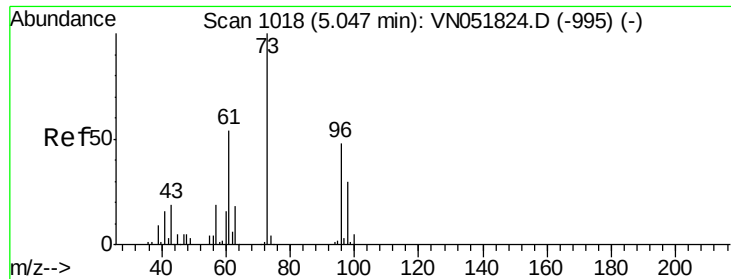
Tot Ion: 41 Resp: 417298
Ion Ratio Lower Upper
41 100
39 84.6 32.6 97.8
76 52.1 20.2 60.5



#18
Methylene Chloride
Concen: 50.524 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 84 Resp: 385221
Ion Ratio Lower Upper
84 100
49 103.1 91.6 137.4
51 30.9 29.8 44.6
86 65.5 48.2 72.4

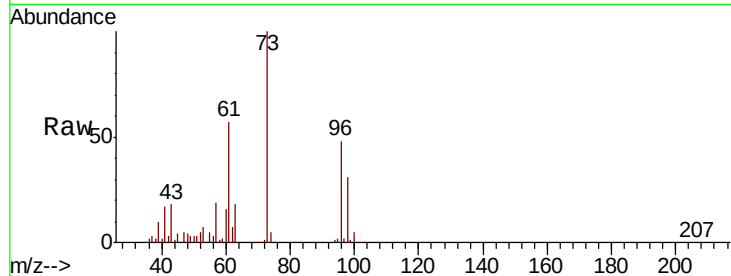




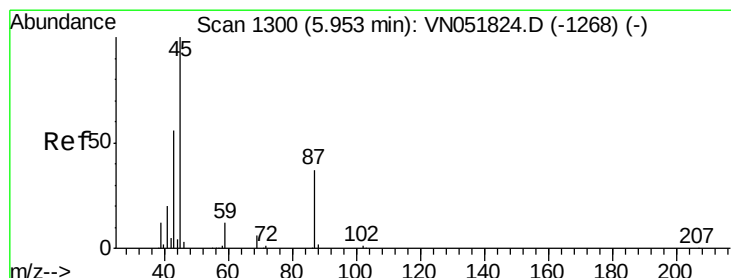
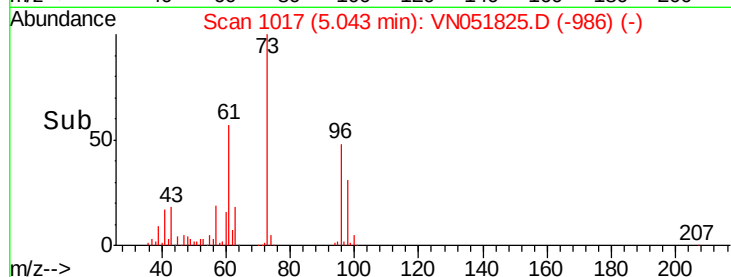
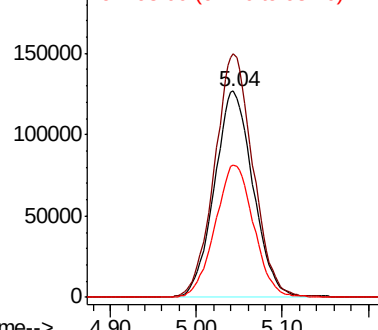
#19
trans-1,2-Dichloroethene
Concen: 50.913 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 96 Resp: 396433
Ion Ratio Lower Upper
96 100
61 118.0 112.3 168.5
98 64.2 47.1 70.7

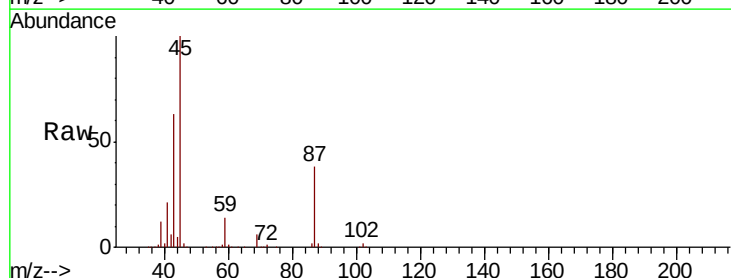


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

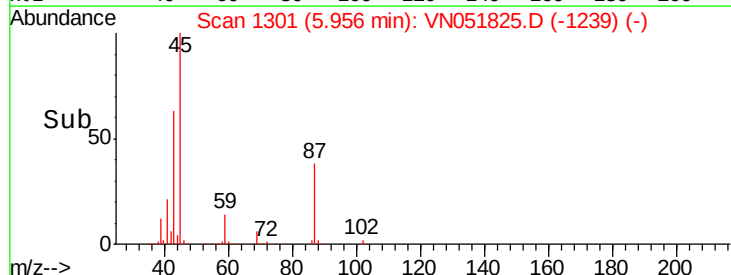
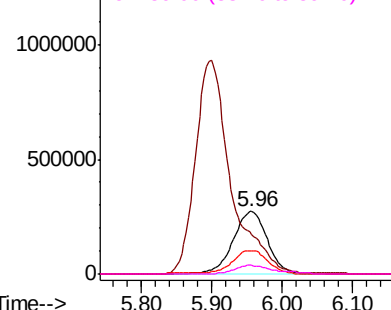


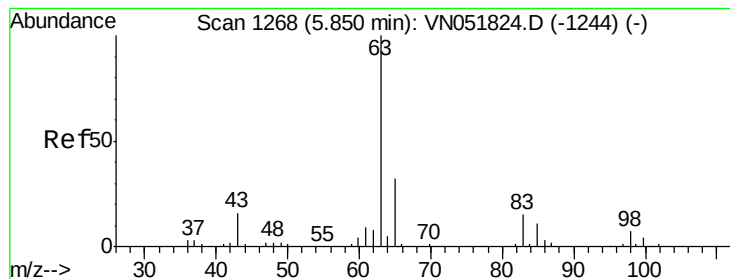
#20
Diisopropyl ether
Concen: 51.287 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 45 Resp: 924737
Ion Ratio Lower Upper
45 100
43 61.8 62.1 93.1#
87 37.7 19.9 29.9#
59 13.3 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: 50.858 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

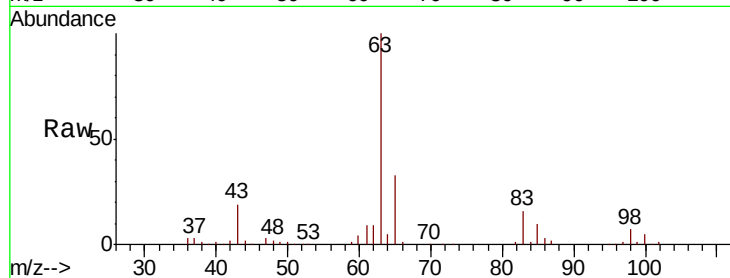
Tot Ion: 63 Resp: 640745

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

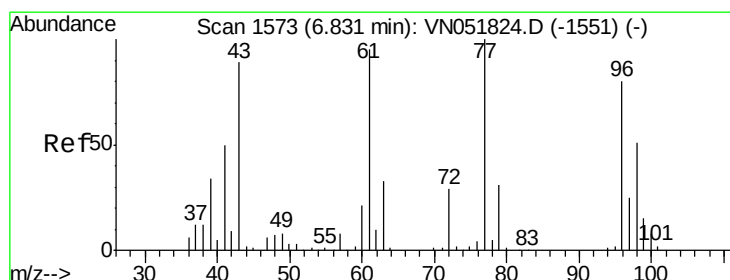
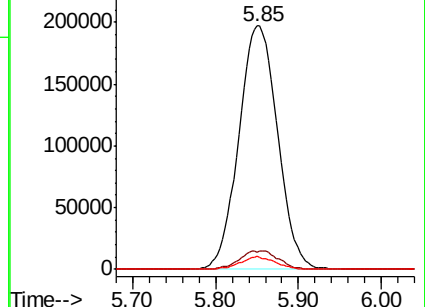
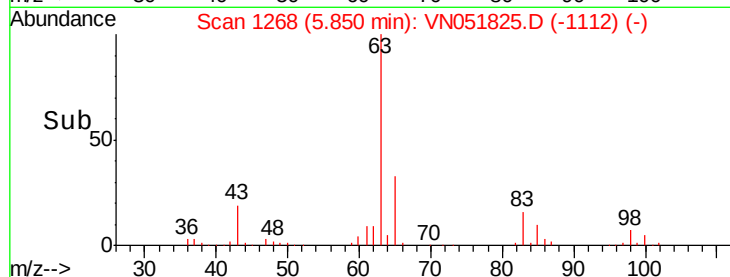
100 5.2 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051825.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN051825.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN051825.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 51.028 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

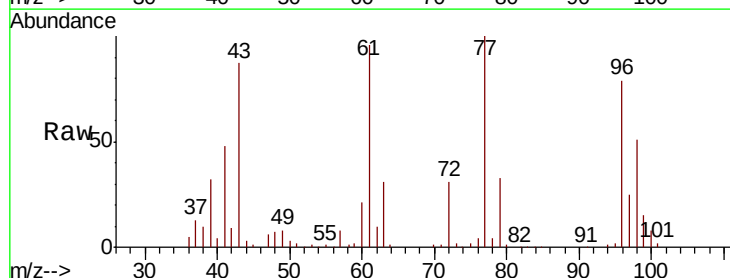
Tgt Ion: 96 Resp: 466687

Ion Ratio Lower Upper

96 100

61 123.4 124.5 186.7#

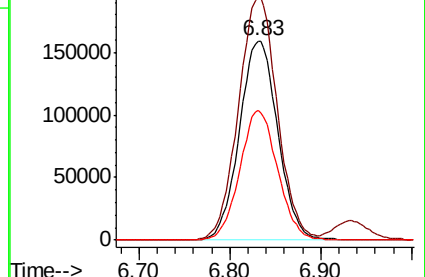
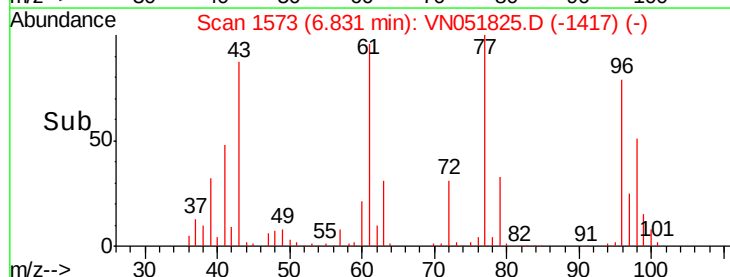
98 64.2 51.9 77.9

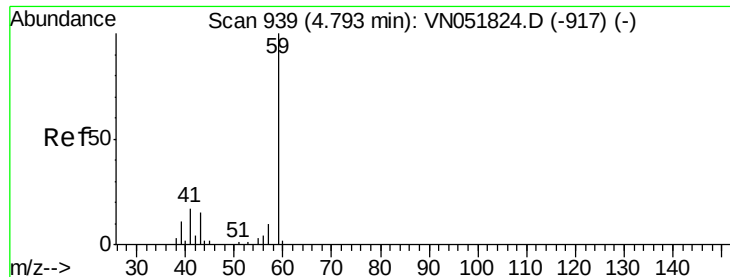


Abundance Ion 96.00 (95.70 to 96.70): VN051825.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051825.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051825.D (-1417) (-)



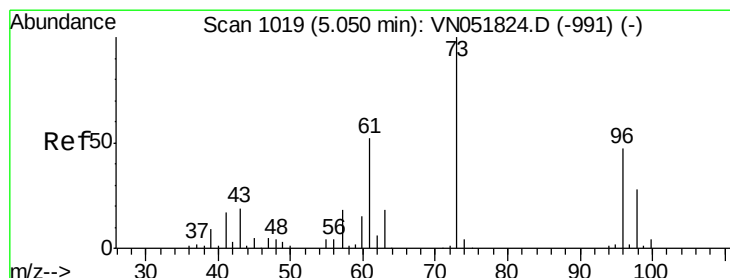
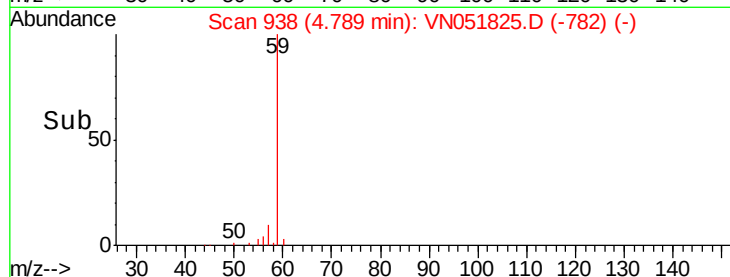
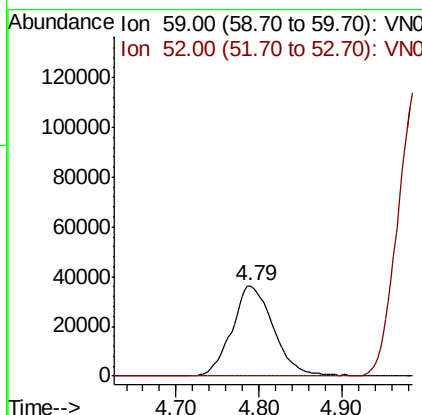
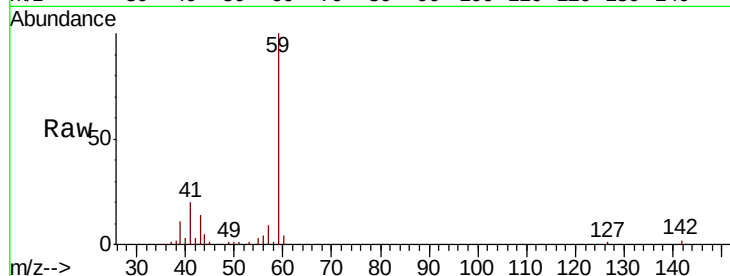


#23

tert-Butyl Alcohol
Concen: 252.934 ug/l
RT: 4.79 min Scan# 938
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

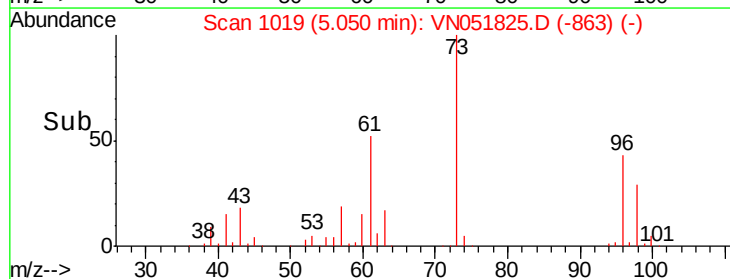
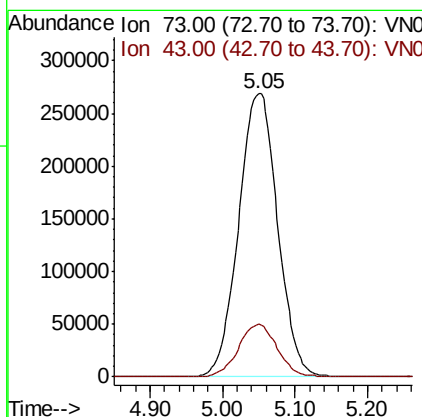
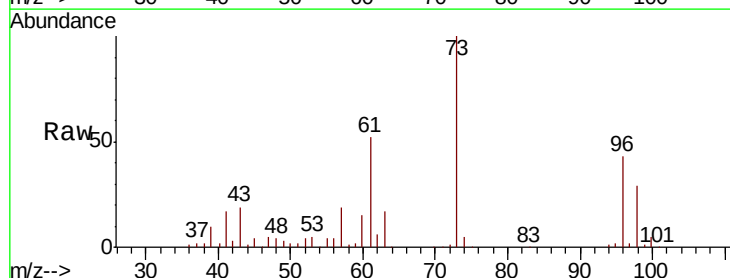
Tot Ion: 59 Resp: 126071
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

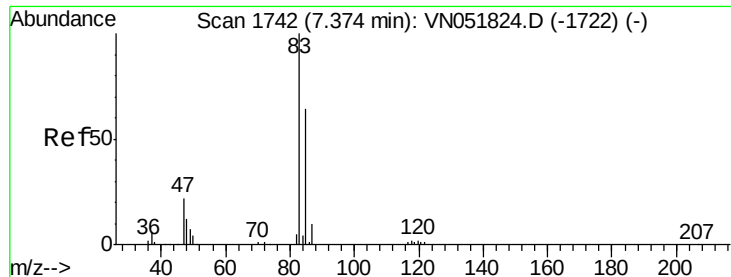


#24

Methyl tert-Butyl Ether
Concen: 51.228 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 73 Resp: 1006442
Ion Ratio Lower Upper
73 100
43 18.3 5.4 8.0#

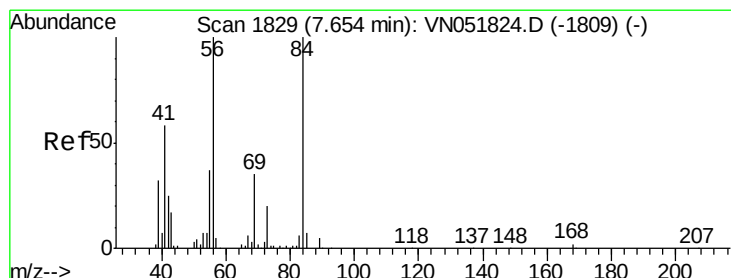
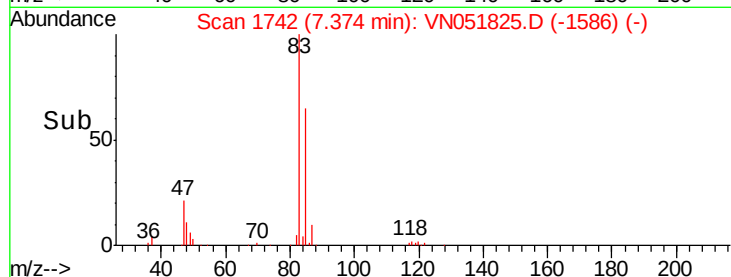
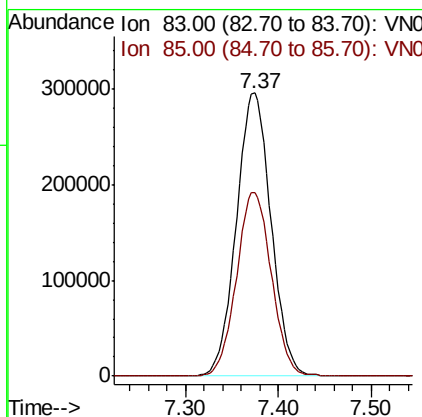
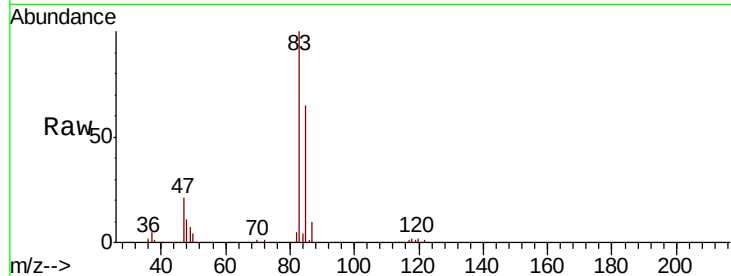




#25
Chloroform
Concen: 51.344 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

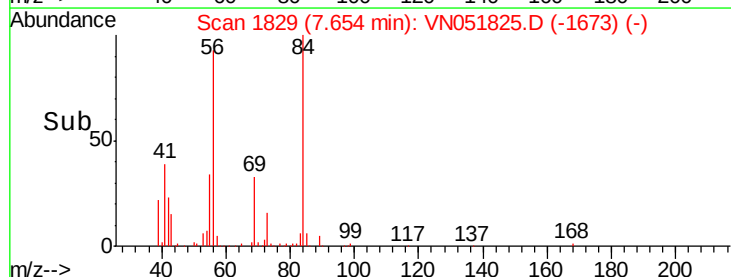
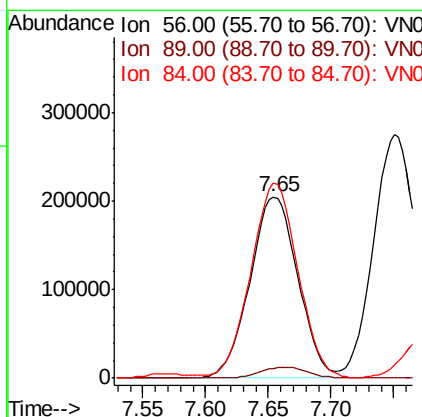
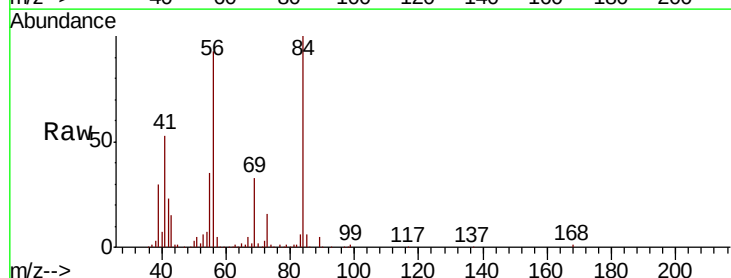
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

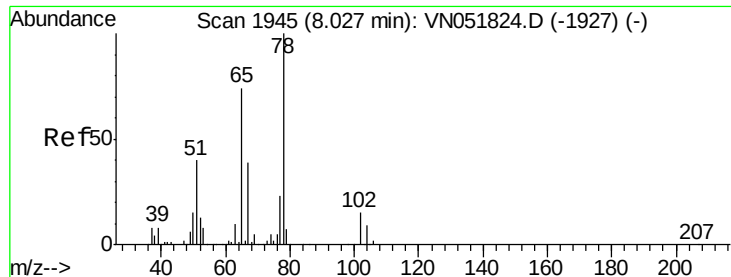
Tot Ion: 83 Resp: 767423
Ion Ratio Lower Upper
83 100
85 64.6 54.6 82.0



#26
Cyclohexane
Concen: 51.040 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 56 Resp: 545161
Ion Ratio Lower Upper
56 100
89 5.9 1.5 2.3#
84 105.8 64.2 96.4#

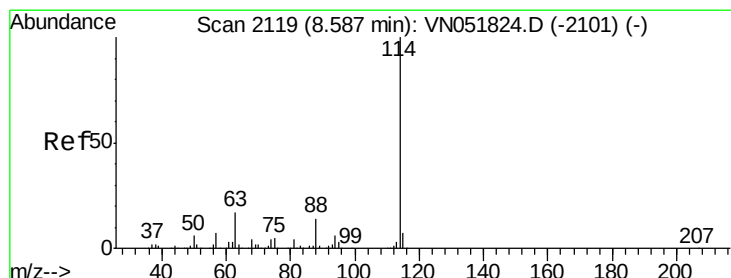
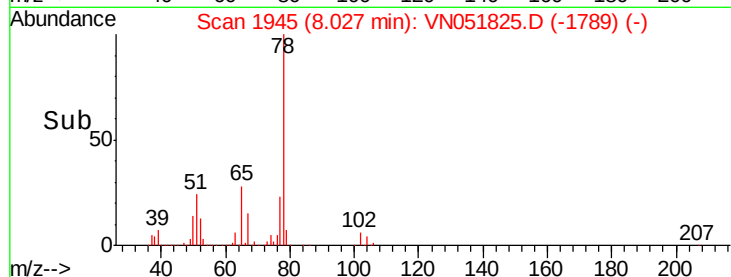
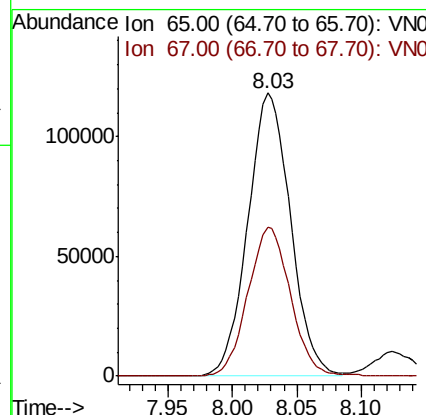
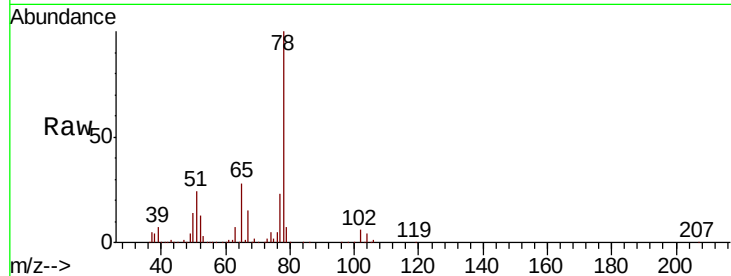




#27
 1,2-Dichloroethane-d4
 Concen: 51.040 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

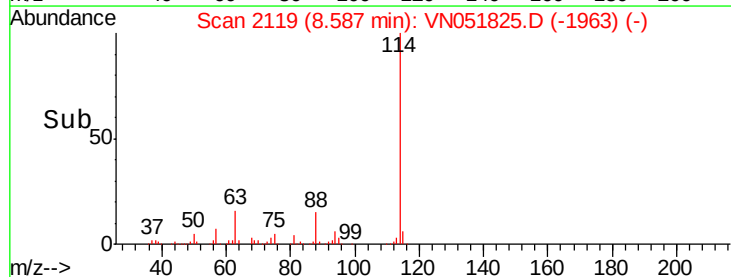
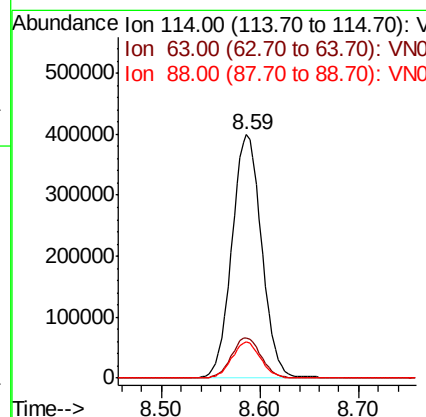
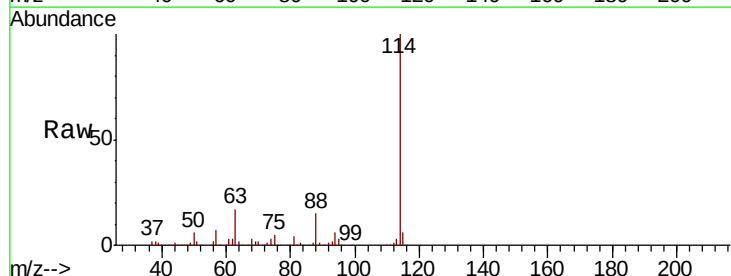
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

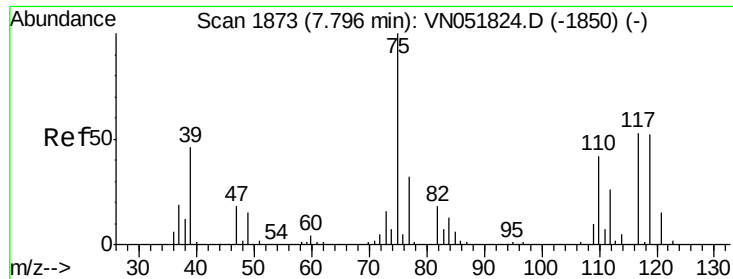
Tot Ion: 65 Resp: 272565
 Ion Ratio Lower Upper
 65 100
 67 52.4 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 114 Resp: 842678
 Ion Ratio Lower Upper
 114 100
 63 16.4 16.2 24.2
 88 14.4 12.2 18.4

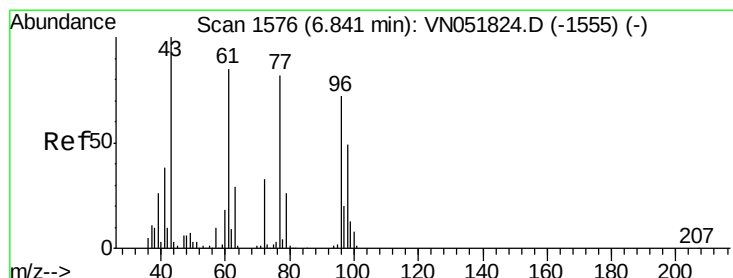
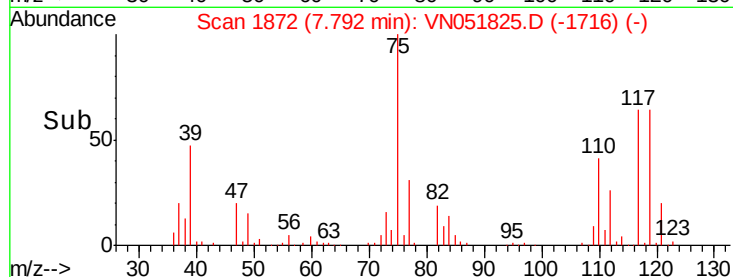
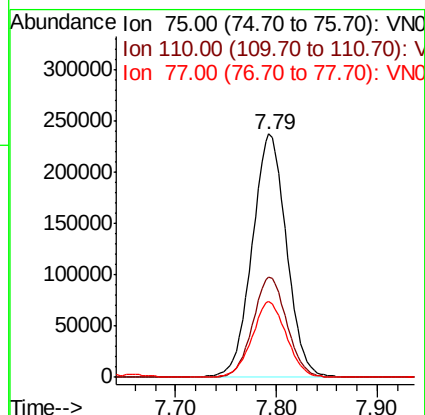
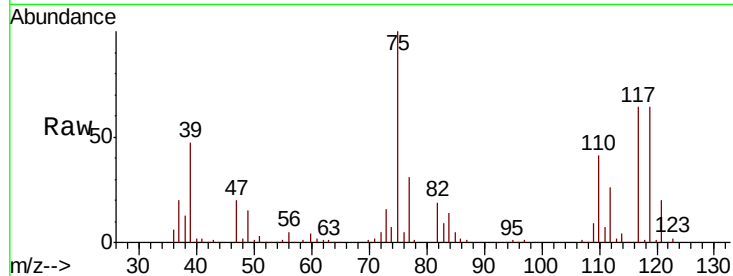




#29
 1,1-Dichloropropene
 Concen: 51.536 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

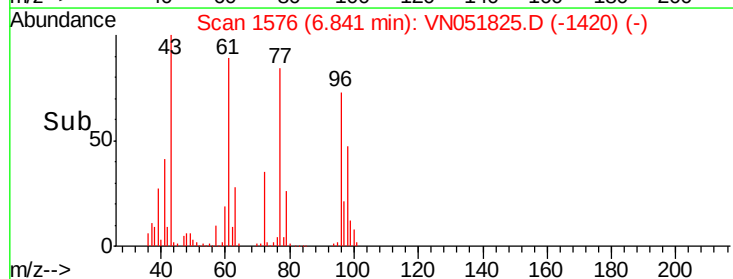
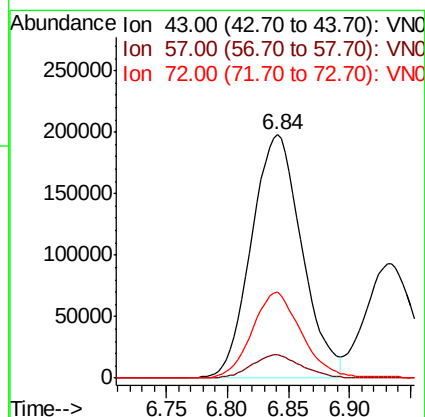
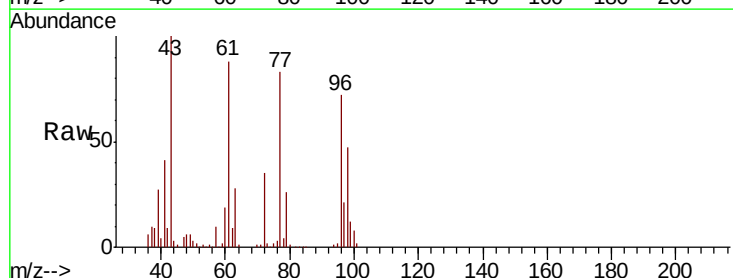
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

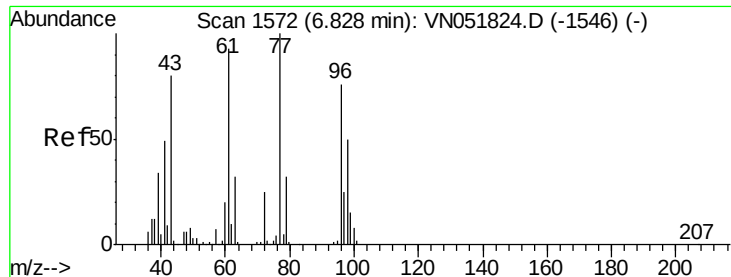
Tot Ion: 75 Resp: 559795
 Ion Ratio Lower Upper
 75 100
 110 40.7 0.0 70.8
 77 31.2 0.0 61.6



#30
 2-Butanone
 Concen: 249.354 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 43 Resp: 566115
 Ion Ratio Lower Upper
 43 100
 57 9.4 4.5 6.7#
 72 34.7 21.5 32.3#

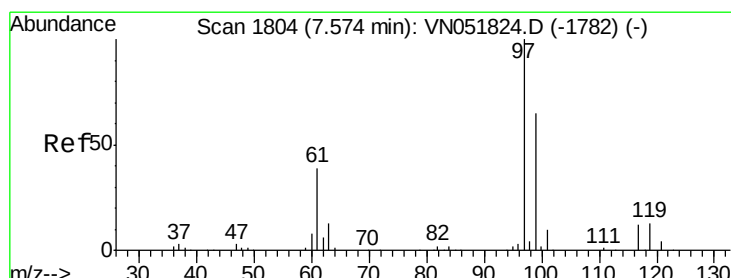
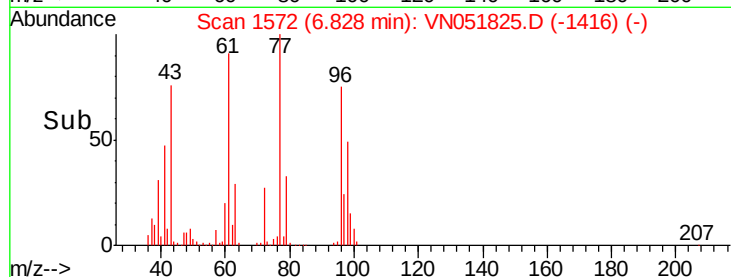
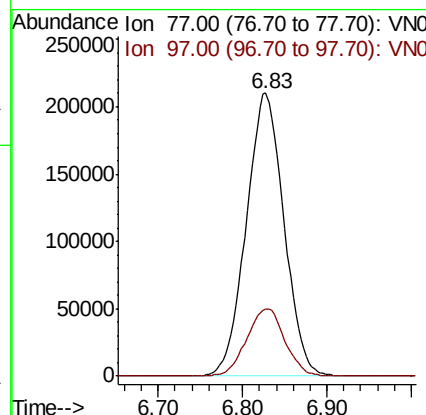
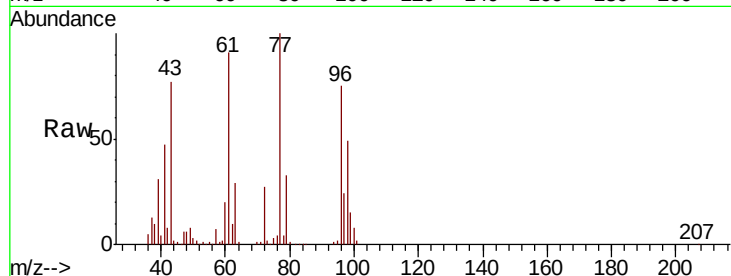




#31
 2,2-Dichloropropane
 Concen: 51.073 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

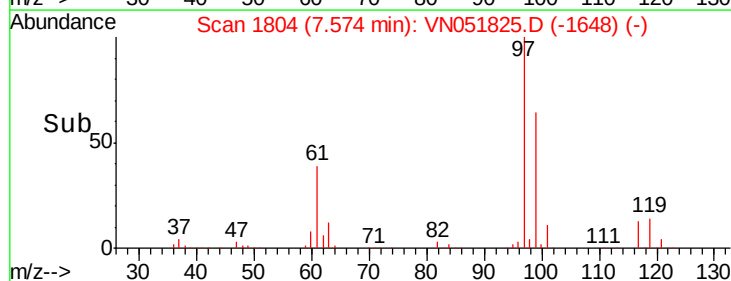
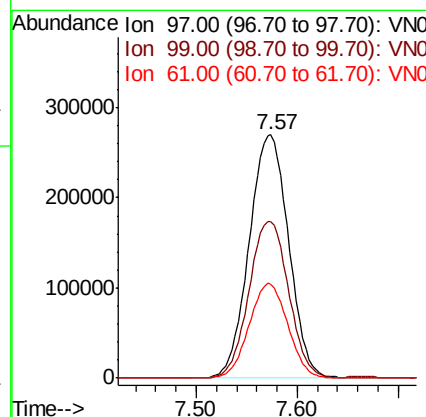
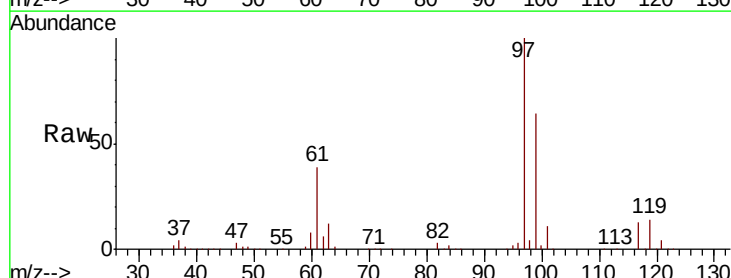
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

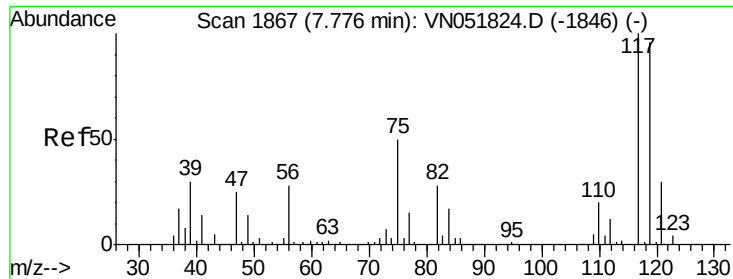
Tot Ion: 77 Resp: 652617
 Ion Ratio Lower Upper
 77 100
 97 24.1 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 50.876 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 97 Resp: 732662
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.6 77.4
 61 38.3 37.4 56.0

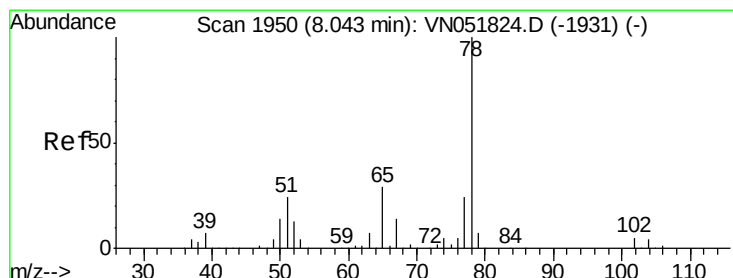
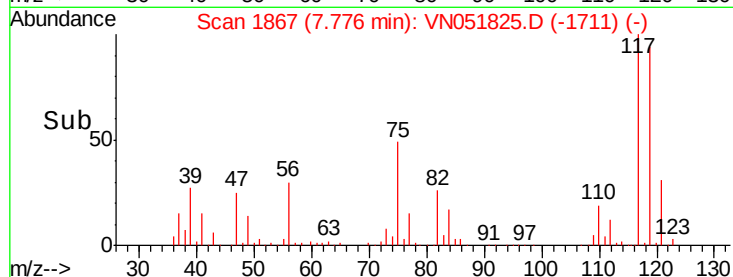
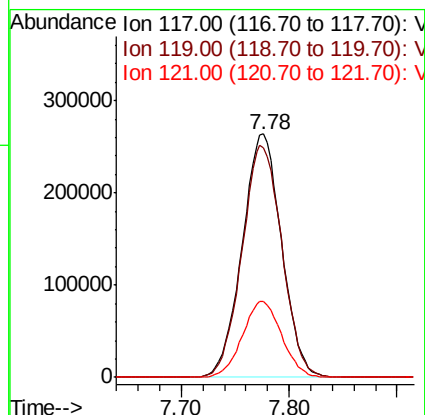
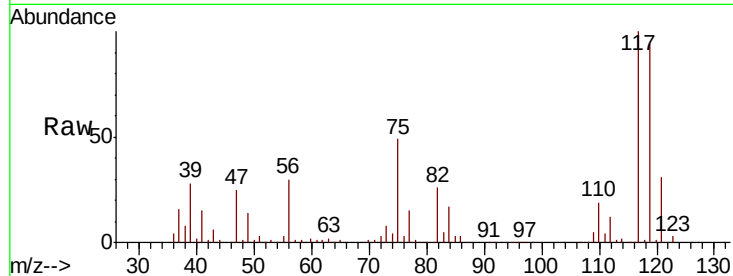




#33
Carbon Tetrachloride
Concen: 51.284 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

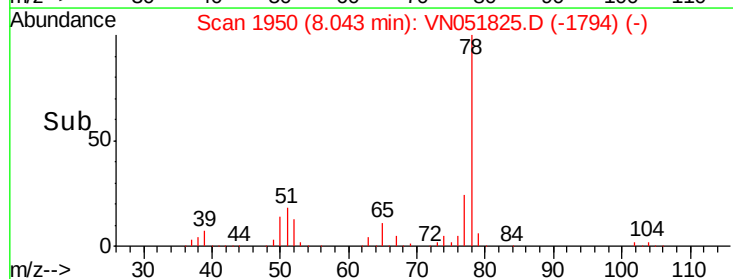
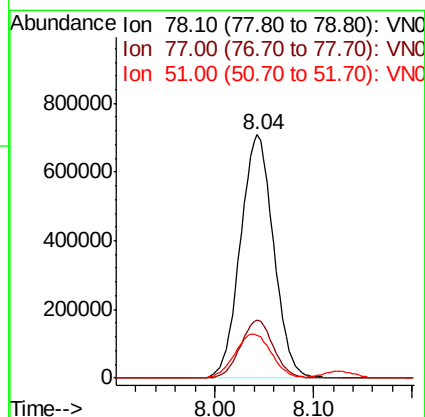
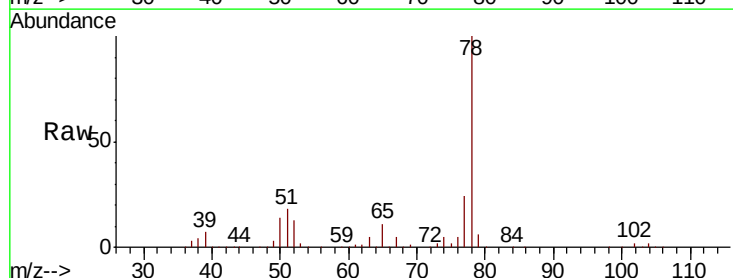
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

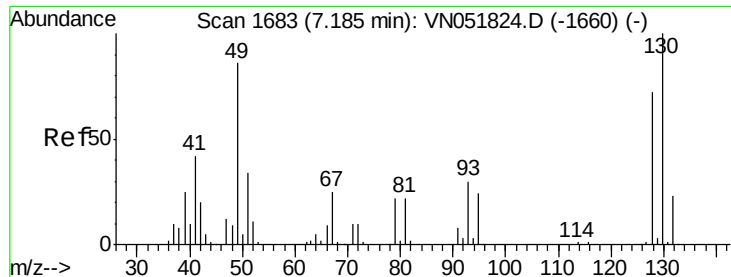
Tot Ion:117 Resp: 668189
Ion Ratio Lower Upper
117 100
119 94.3 85.1 127.7
121 31.1 24.2 36.2



#34
Benzene
Concen: 51.323 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 78 Resp: 1649027
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2
51 17.7 46.2 69.4#

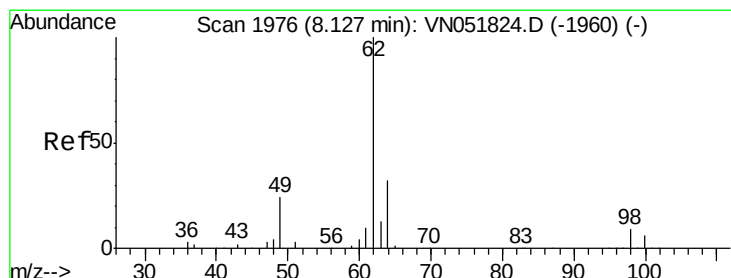
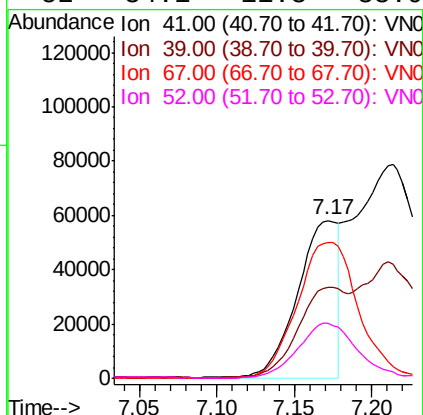
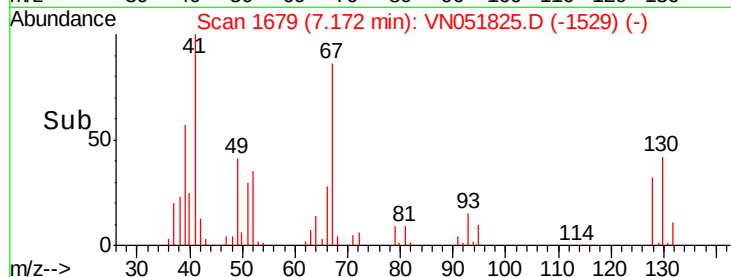
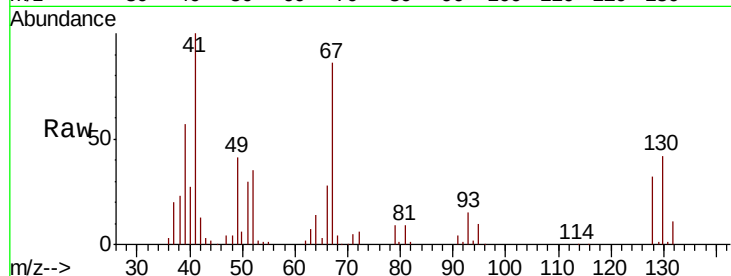




#35
Methacrylonitrile
Concen: 35.817 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

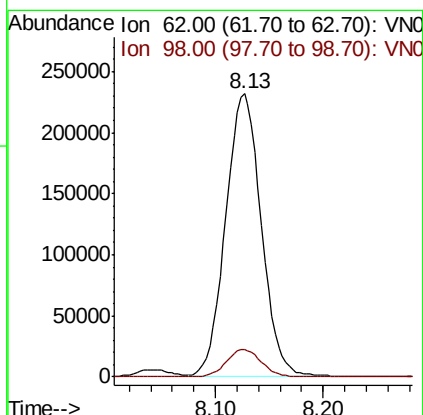
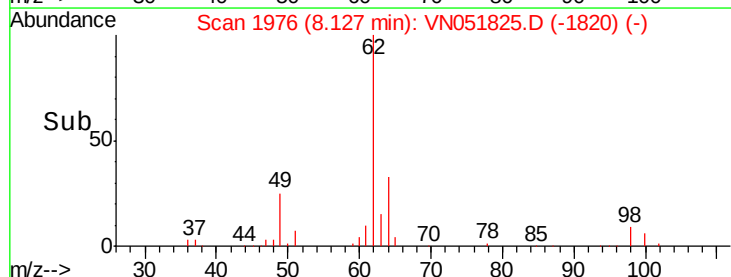
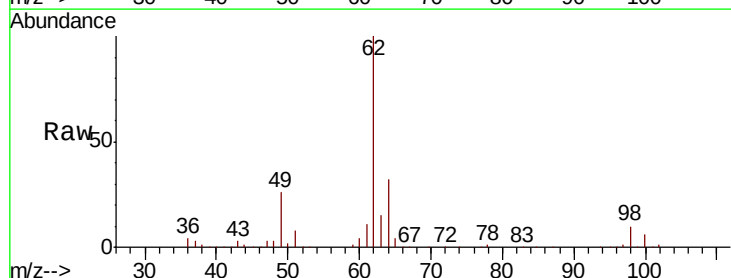
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

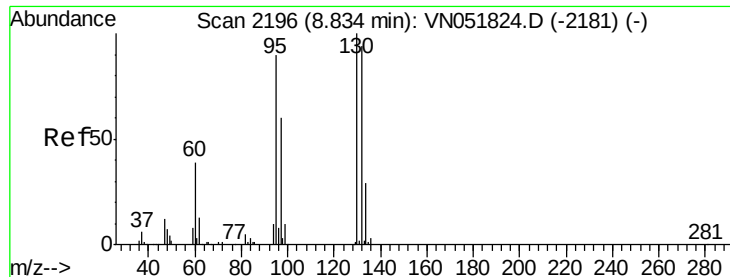
Tot Ion: 41 Resp: 106837
Ion Ratio Lower Upper
41 100
39 56.8 22.6 67.7
67 85.9 28.9 86.8
52 34.1 11.3 33.9#



#36
1,2-Dichloroethane
Concen: 51.501 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion: 62 Resp: 530213
Ion Ratio Lower Upper
62 100
98 9.5 6.9 10.3





#37

Trichloroethene

Concen: 50.531 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

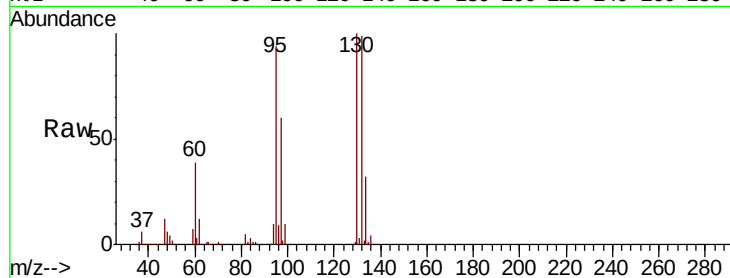
VSTDIC050

Tot Ion:130 Resp: 503994

Ion Ratio Lower Upper

130 100

95 93.8 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

250000

200000

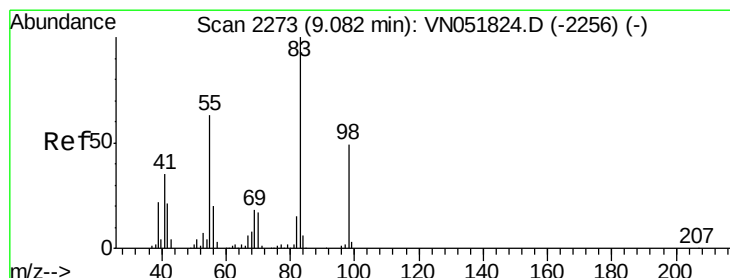
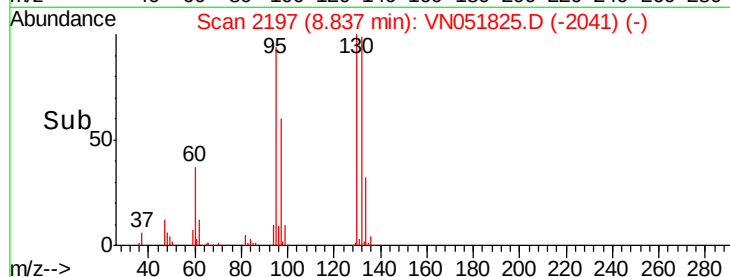
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 50.878 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

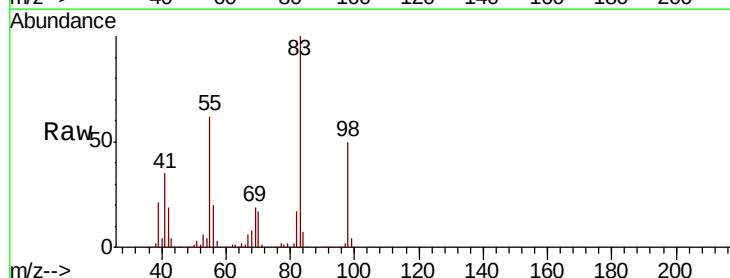
Tgt Ion: 83 Resp: 708827

Ion Ratio Lower Upper

83 100

55 61.6 43.0 129.2

98 49.4 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

400000

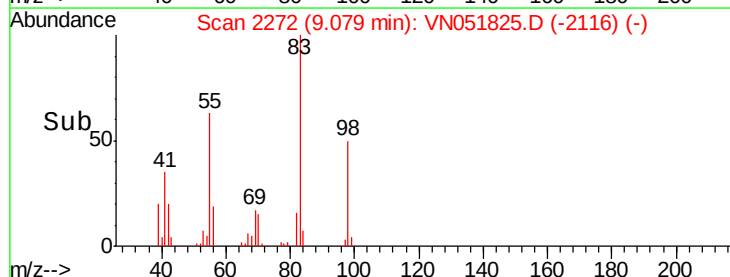
300000

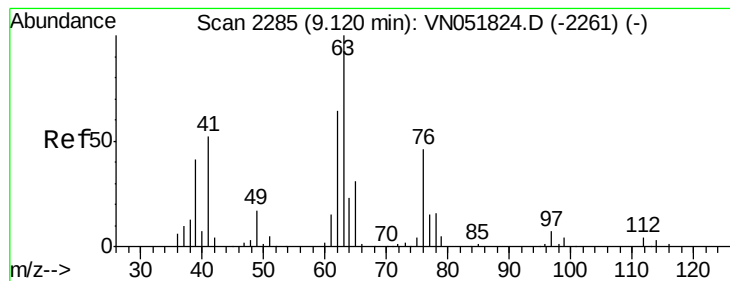
200000

100000

0

Time-->

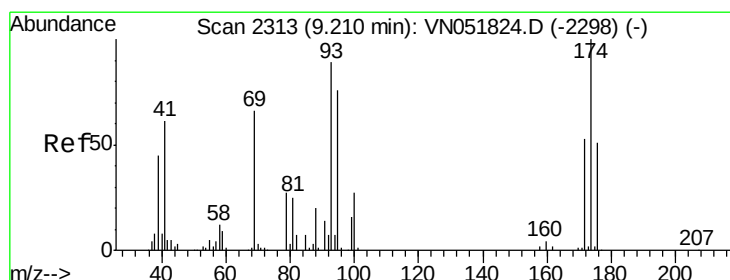
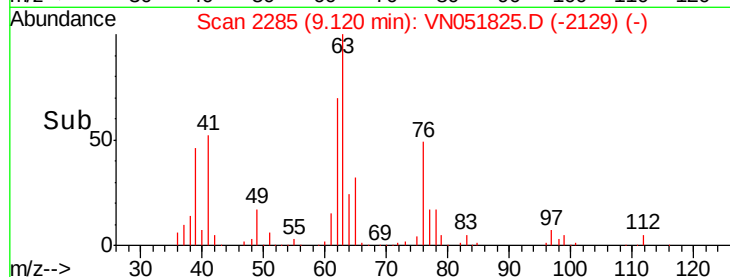
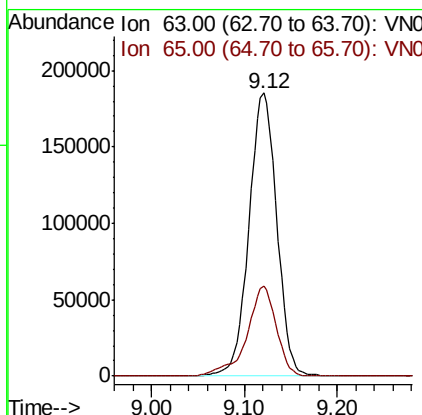
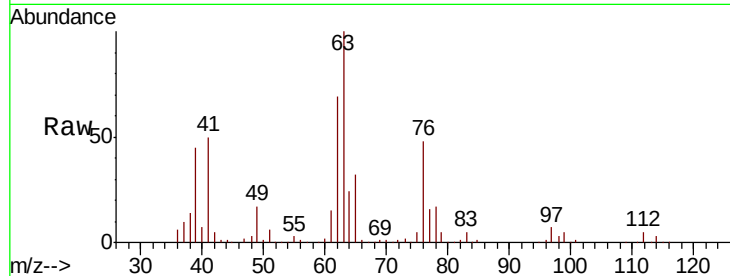




#39
 1,2-Dichloropropane
 Concen: 51.133 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

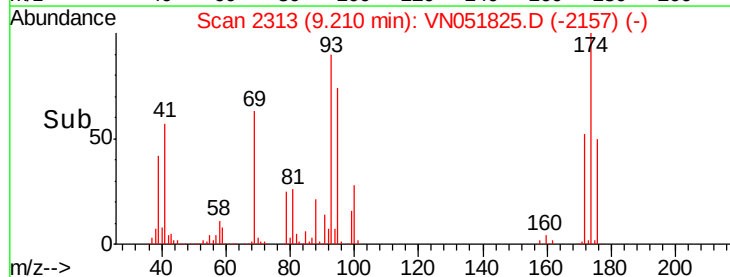
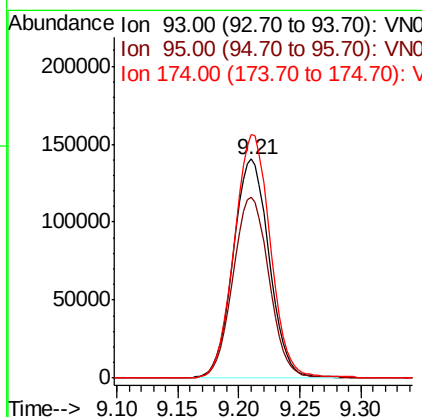
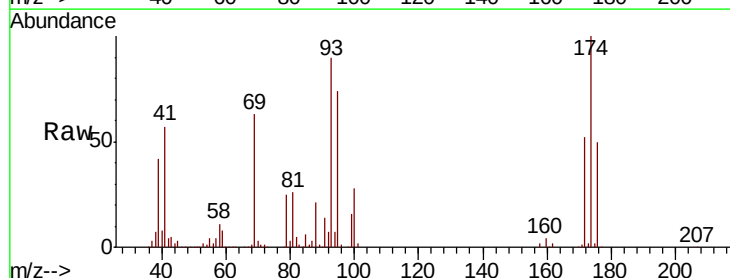
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

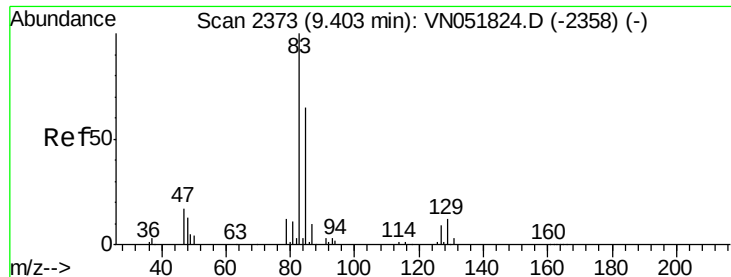
Tot Ion: 63 Resp: 386907
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.2 34.8



#40
 Dibromomethane
 Concen: 51.221 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 93 Resp: 287651
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 162.0
 174 111.2 0.0 214.0

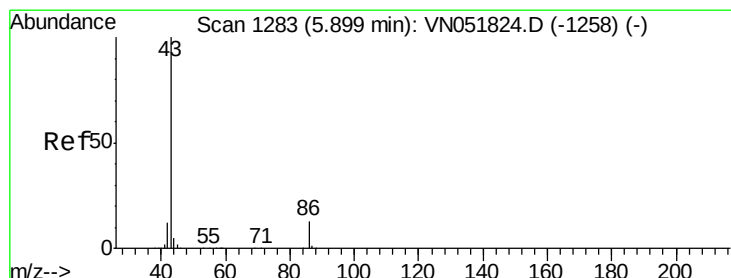
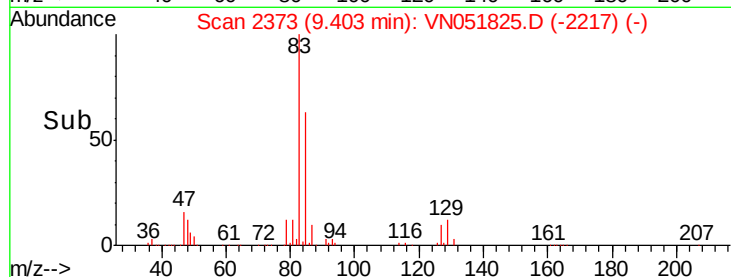
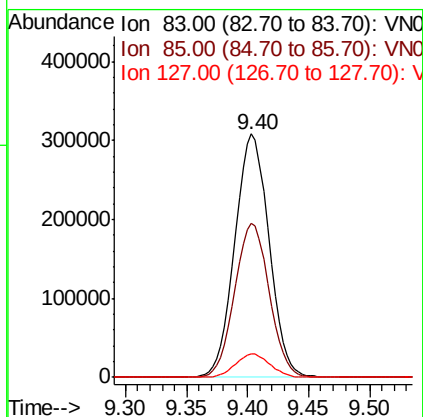
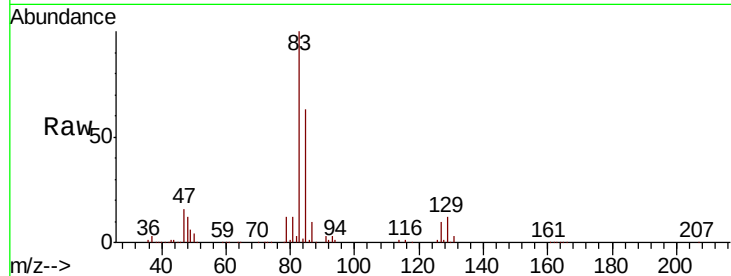




#41
 Bromodichloromethane
 Concen: 51.764 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

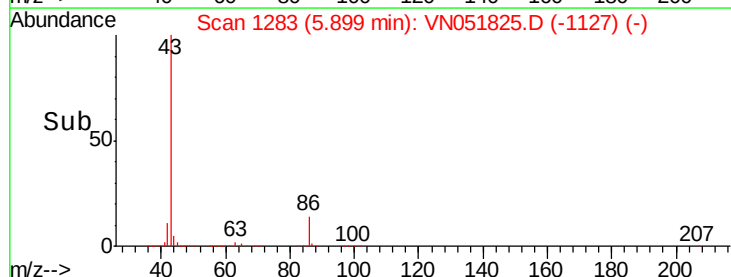
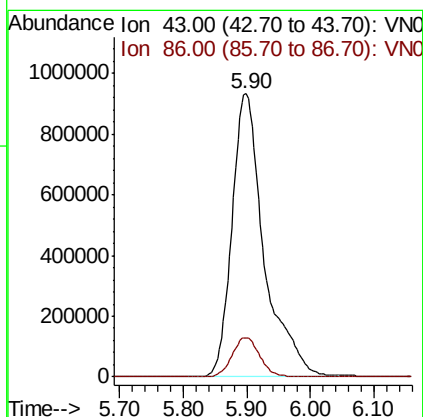
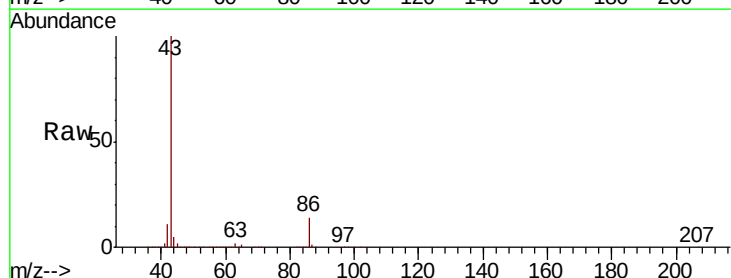
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

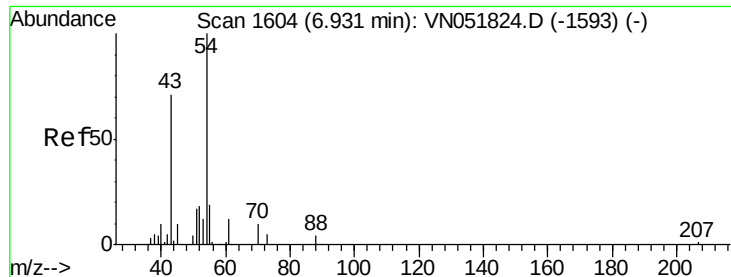
Tot Ion: 83 Resp: 600452
 Ion Ratio Lower Upper
 83 100
 85 63.3 55.7 83.5
 127 9.7 8.2 12.4



#42
 Vinyl Acetate
 Concen: 256.461 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 43 Resp: 3277685
 Ion Ratio Lower Upper
 43 100
 86 12.0 6.5 9.7#





#43

Ethyl Acetate

Concen: 51.903 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

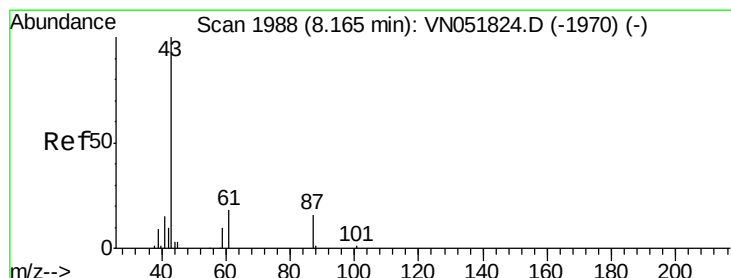
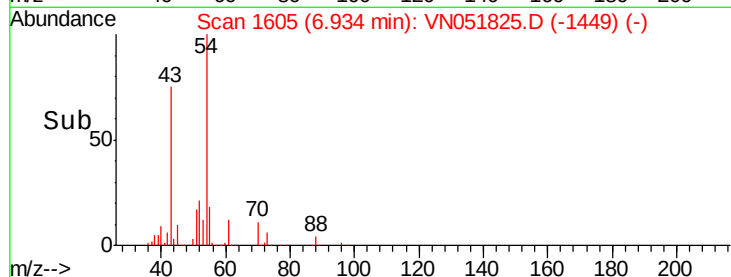
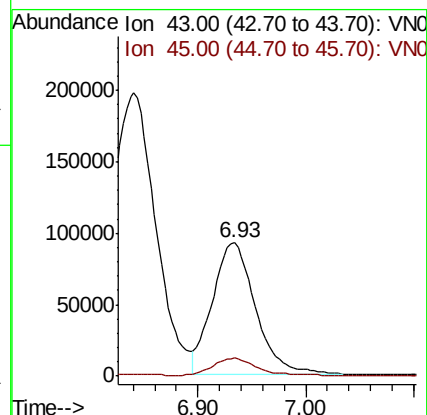
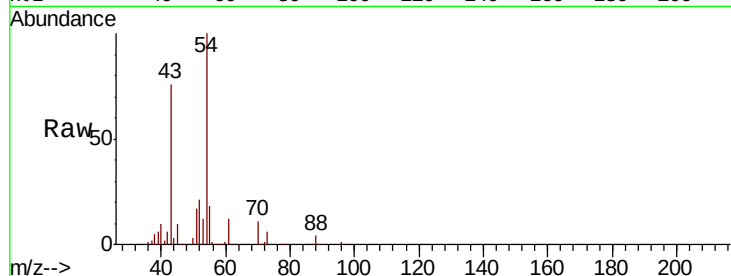
VSTDIC050

Tot Ion: 43 Resp: 255865

Ion Ratio Lower Upper

43 100

45 14.4 11.0 16.6



#44

Isopropyl Acetate

Concen: 51.734 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051825.D

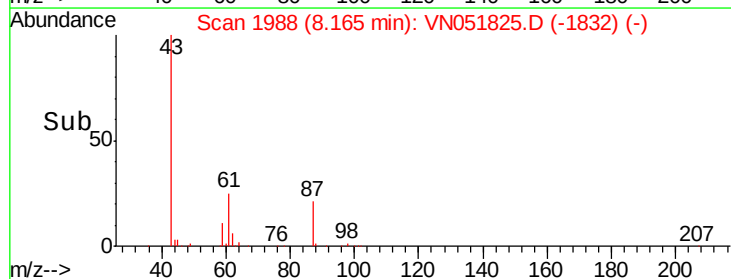
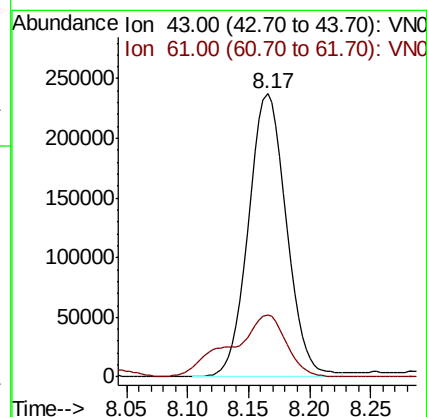
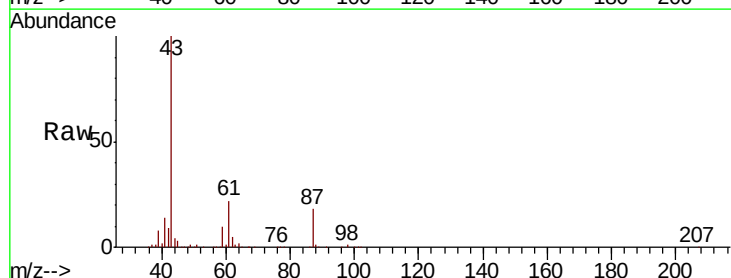
Acq: 12 Oct 2018 9:03

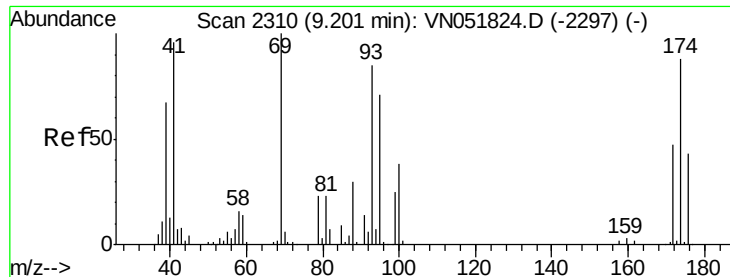
Tgt Ion: 43 Resp: 509405

Ion Ratio Lower Upper

43 100

61 21.3 15.9 23.9

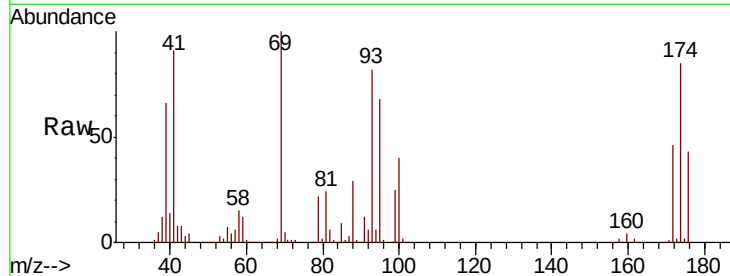




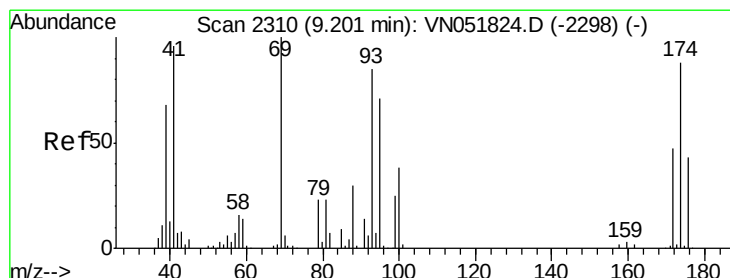
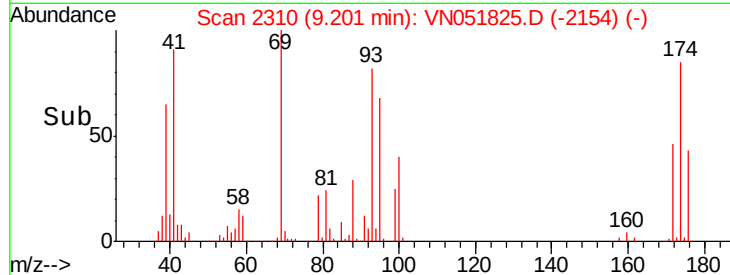
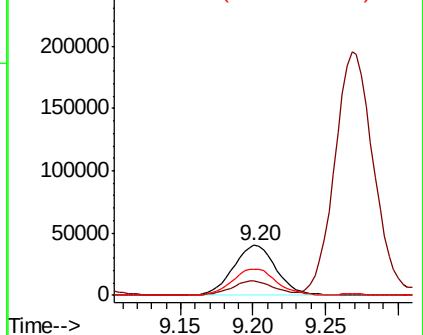
#45
 1,4-Dioxane
 Concen: 1050.840 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 88 Resp: 83083
 Ion Ratio Lower Upper
 88 100
 43 26.0 26.2 39.2#
 58 53.7 65.6 98.4#

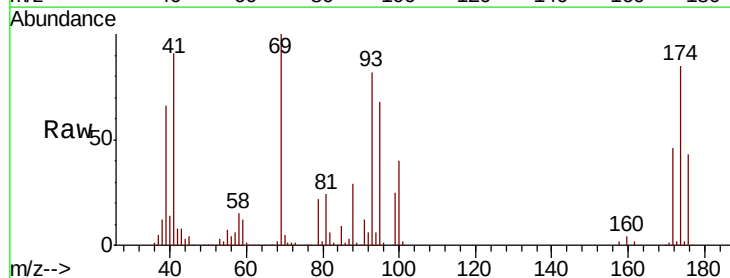


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

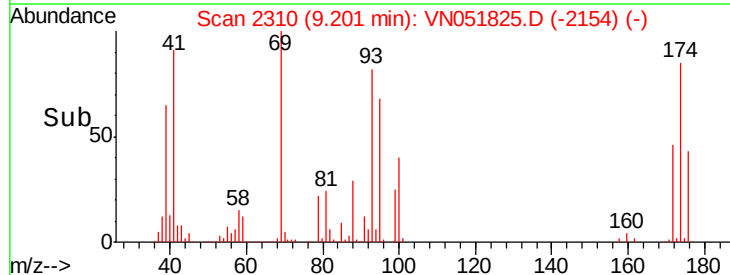
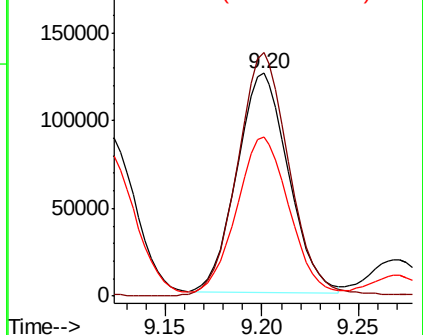


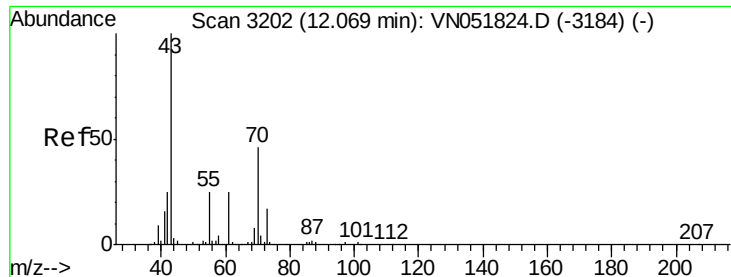
#46
 Methyl methacrylate
 Concen: 51.032 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 41 Resp: 231777
 Ion Ratio Lower Upper
 41 100
 69 110.7 40.7 122.1
 39 71.5 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-amyl Acetate

Concen: 53.766 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

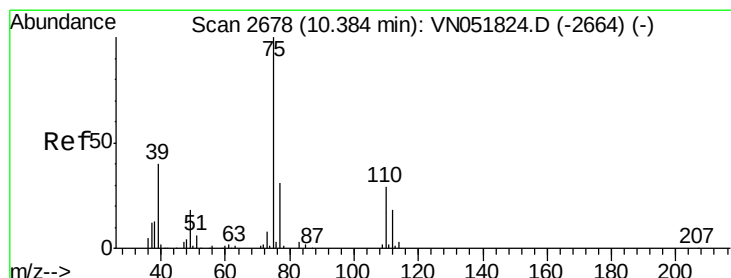
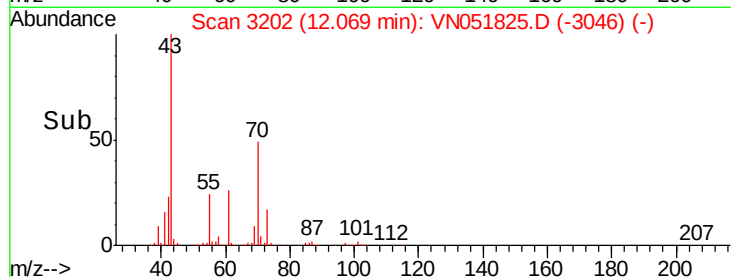
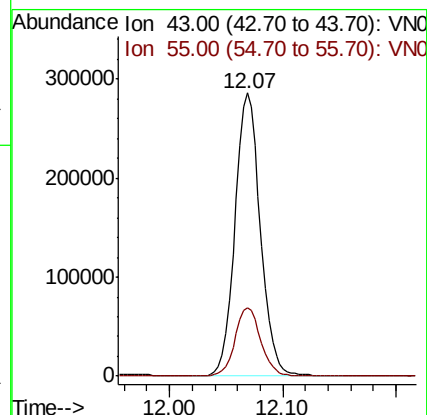
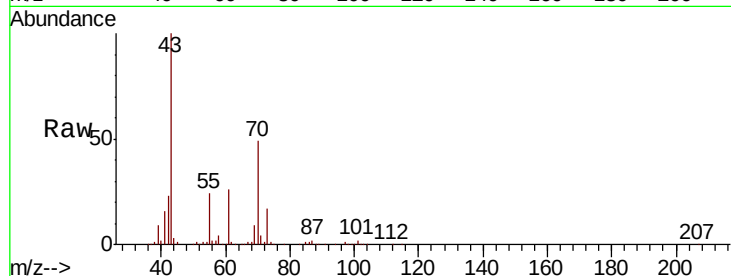
VSTDIC050

Tot Ion: 43 Resp: 443187

Ion Ratio Lower Upper

43 100

55 24.9 12.2 18.4#



#48

t-1,3-Dichloropropene

Concen: 51.968 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051825.D

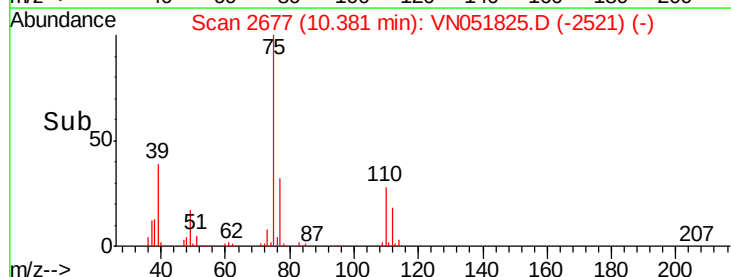
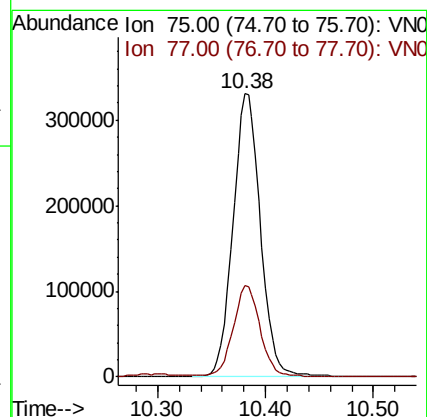
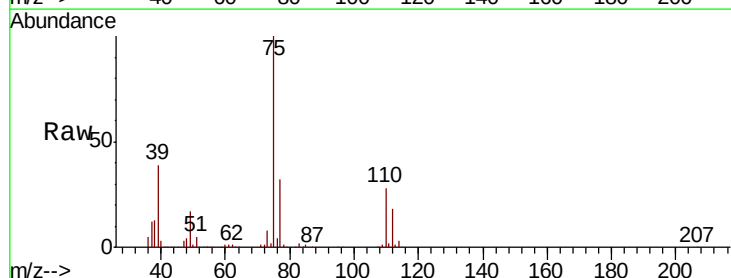
Acq: 12 Oct 2018 9:03

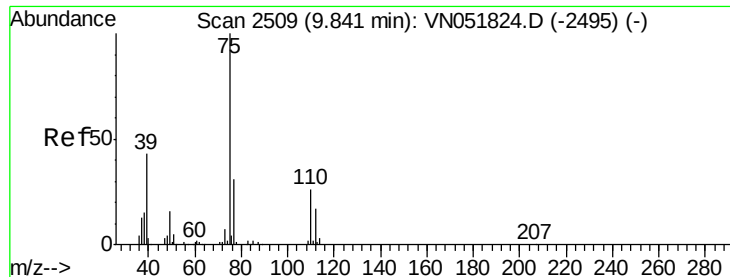
Tgt Ion: 75 Resp: 587851

Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0



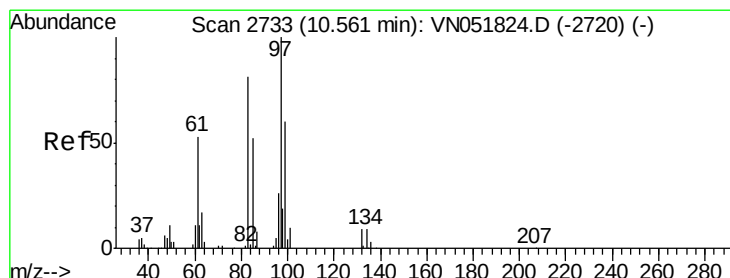
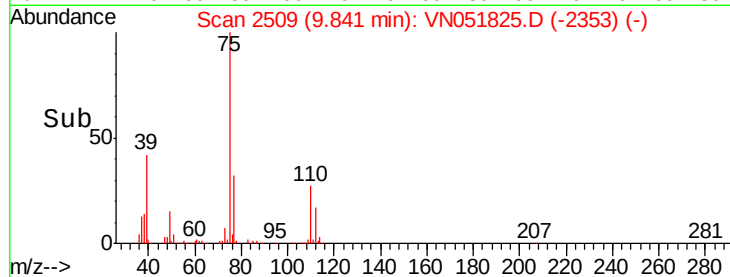
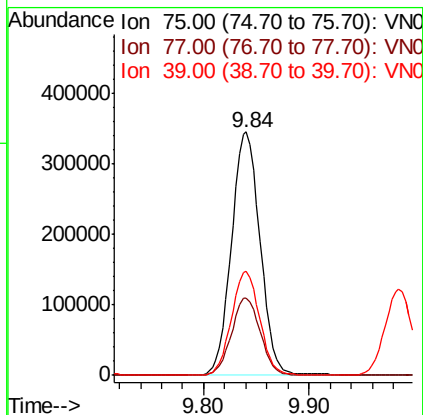
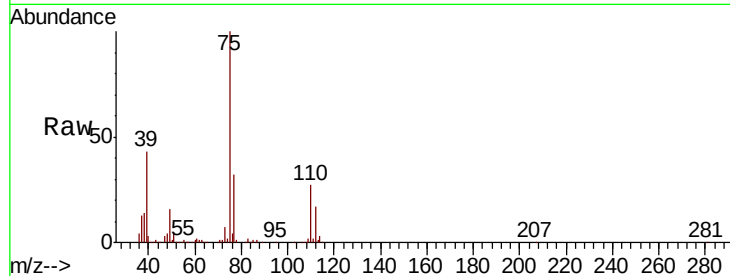


#49

cis-1,3-Dichloropropene
 Concen: 52.112 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

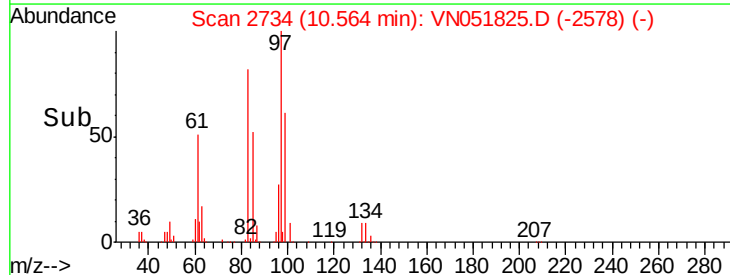
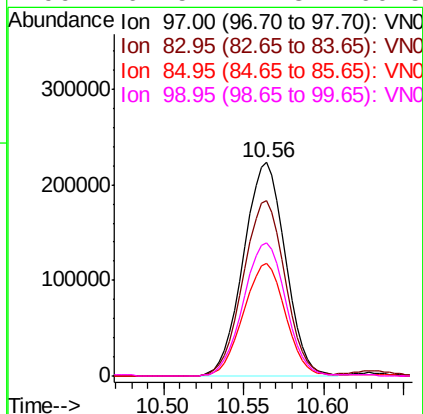
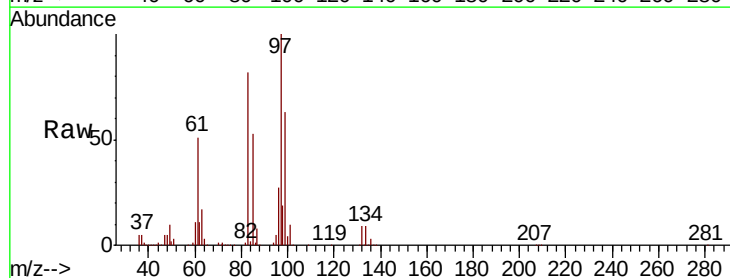
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	42.5	34.6	52.0

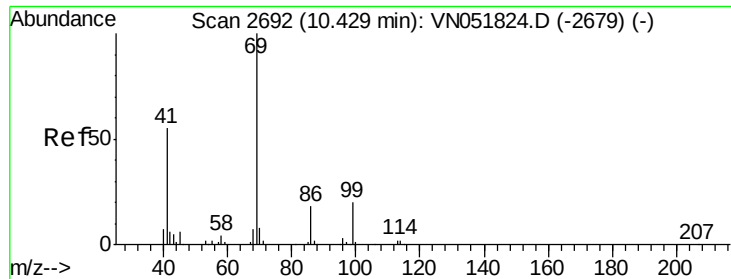


#50

1,1,2-Trichloroethane
 Concen: 51.663 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.2	102.4
85	52.8	42.5	63.7
99	62.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 53.224 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

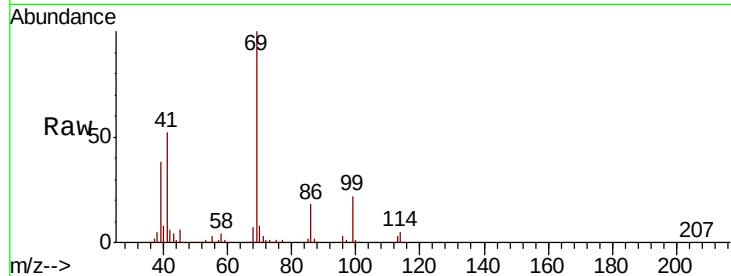
Tot Ion: 69 Resp: 472808

Ion Ratio Lower Upper

69 100

41 52.1 34.4 103.1

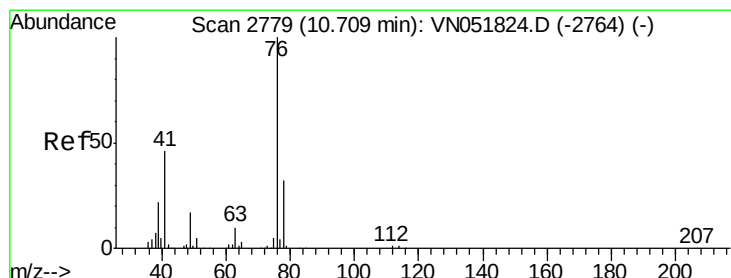
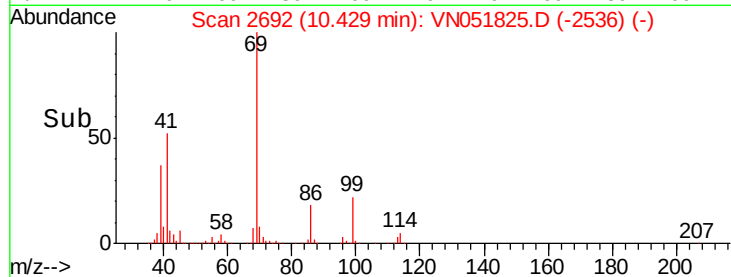
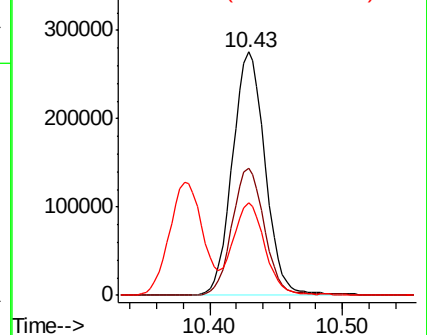
39 37.5 16.3 48.8



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: 51.648 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051825.D

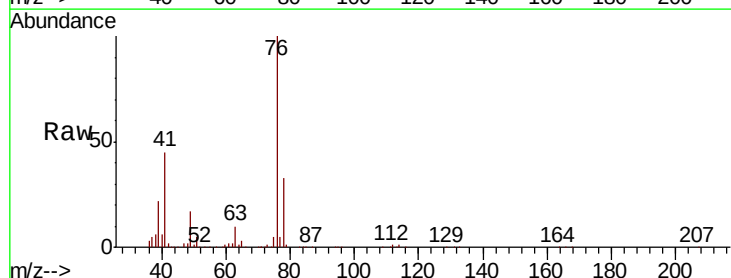
Acq: 12 Oct 2018 9:03

Tgt Ion: 76 Resp: 618509

Ion Ratio Lower Upper

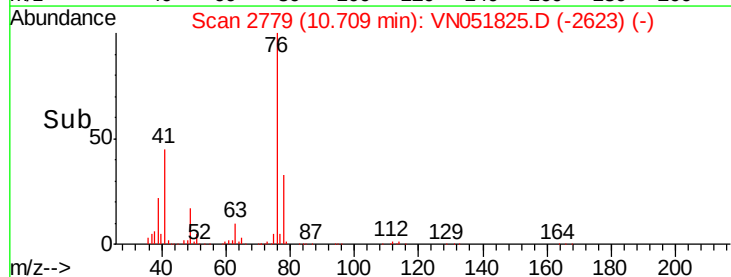
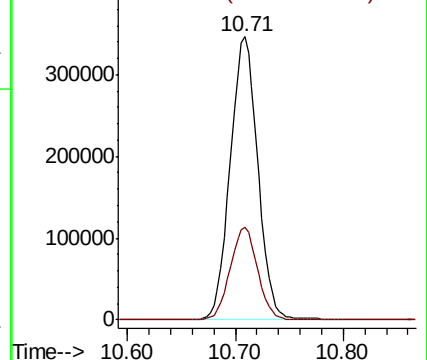
76 100

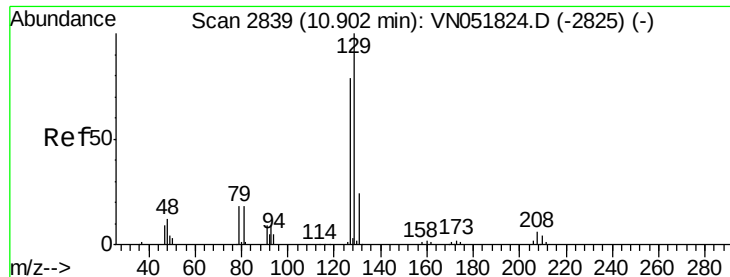
78 32.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 51.672 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

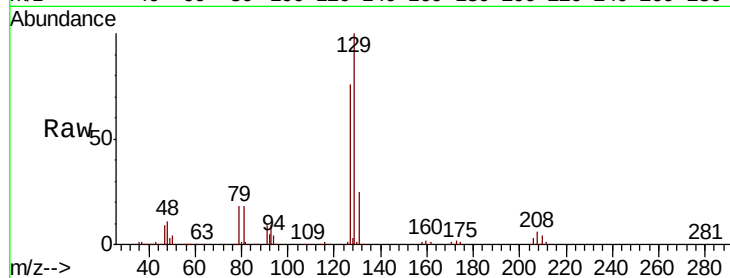
VSTDIC050

Tot Ion:129 Resp: 495996

Ion Ratio Lower Upper

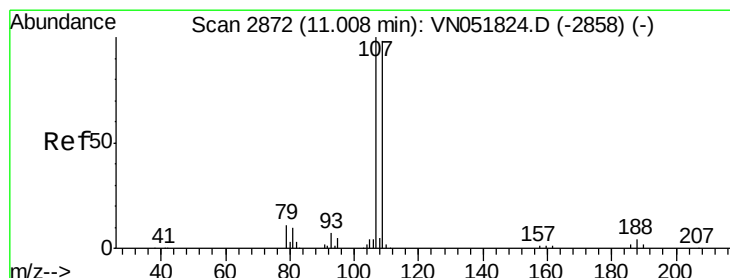
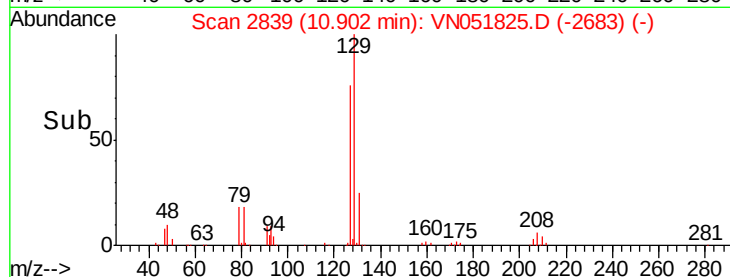
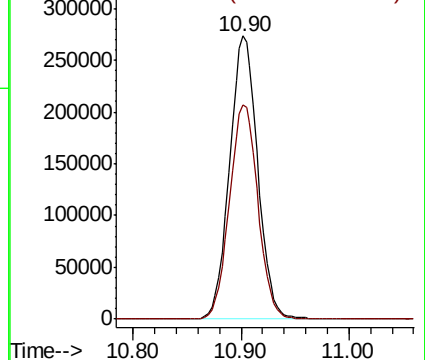
129 100

127 76.9 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: 51.937 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051825.D

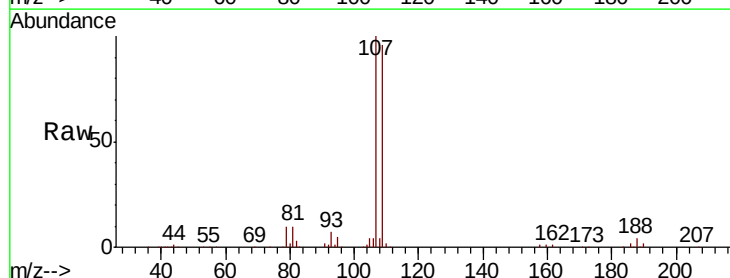
Acq: 12 Oct 2018 9:03

Tgt Ion:107 Resp: 422998

Ion Ratio Lower Upper

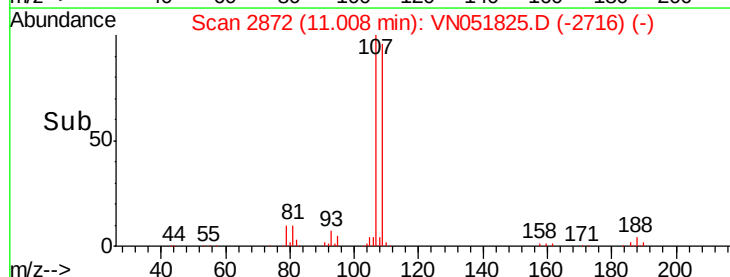
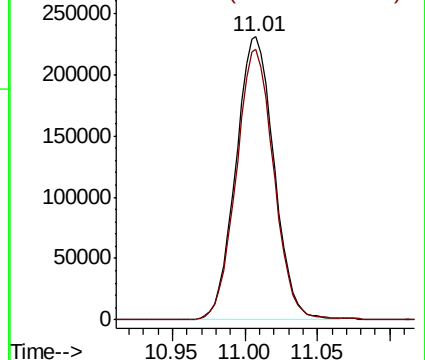
107 100

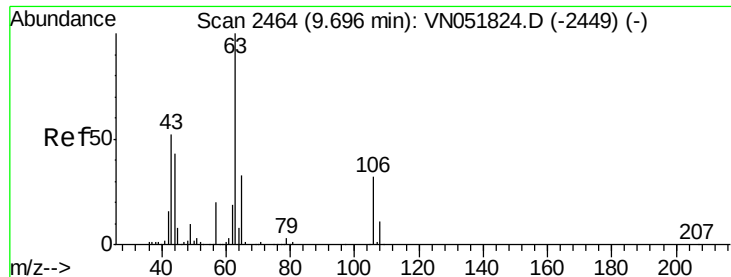
109 94.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



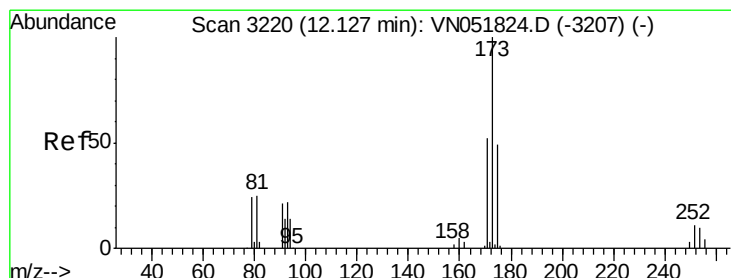
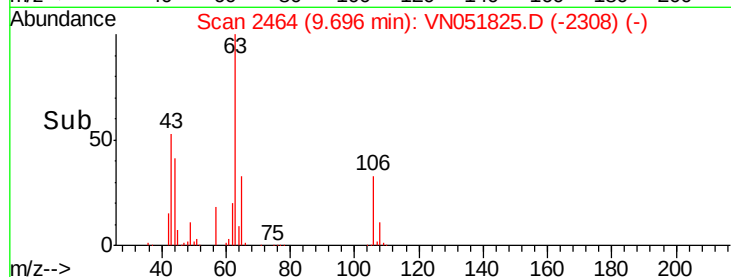
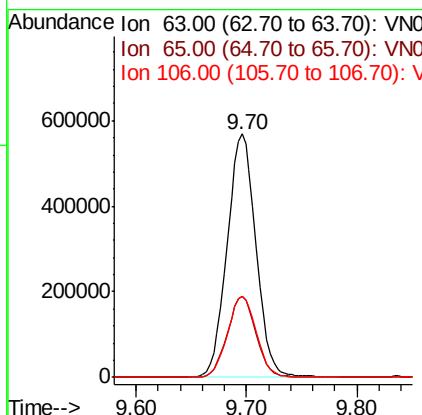
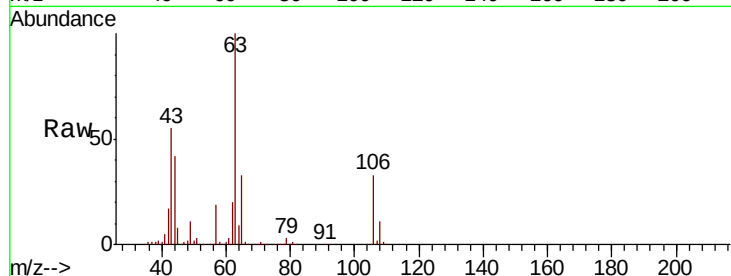


#55
 2-Chloroethyl vinyl ether
 Concen: 271.554 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 63 Resp: 1031253

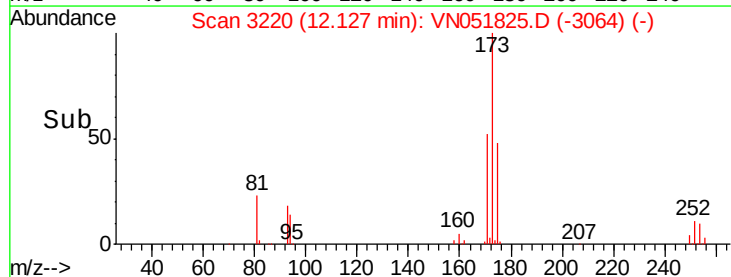
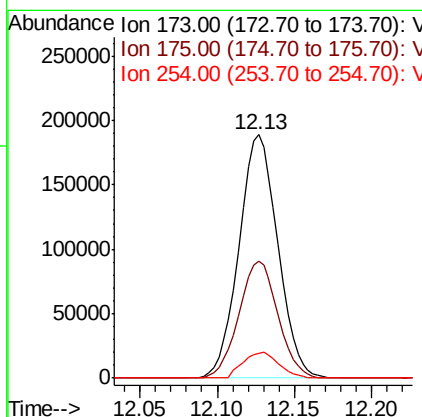
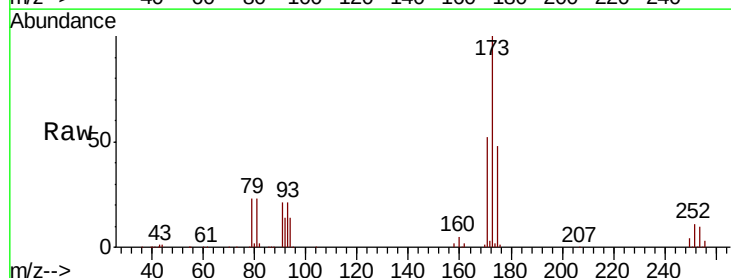
Ion	Ratio	Lower	Upper
63	100		
65	33.1	25.4	38.0
106	33.5	21.2	31.8#

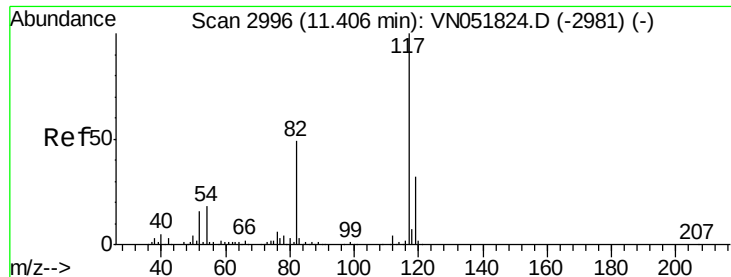


#56
 Bromoform
 Concen: 52.128 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 173 Resp: 330002

Ion	Ratio	Lower	Upper
173	100		
175	48.2	35.8	53.8
254	9.8	8.6	13.0

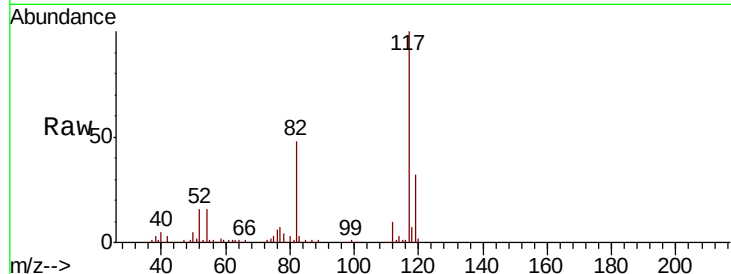




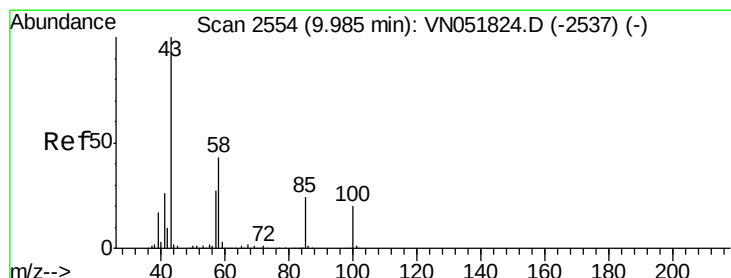
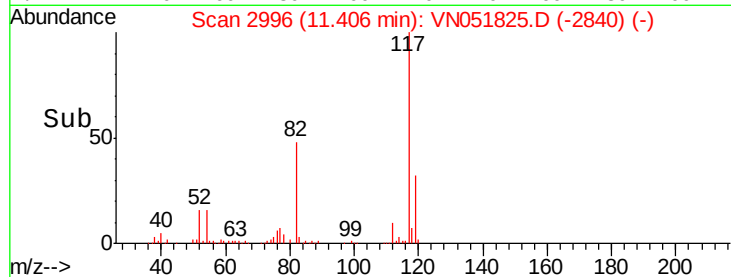
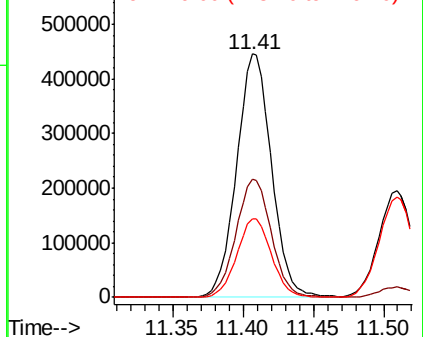
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.1	44.1	66.1
119	32.2	25.8	38.8

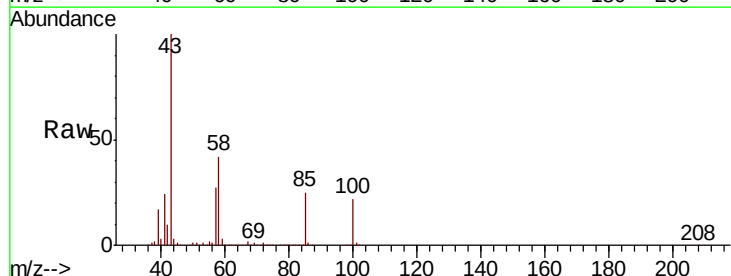


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

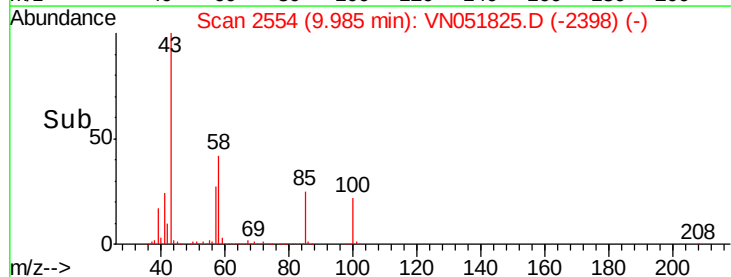
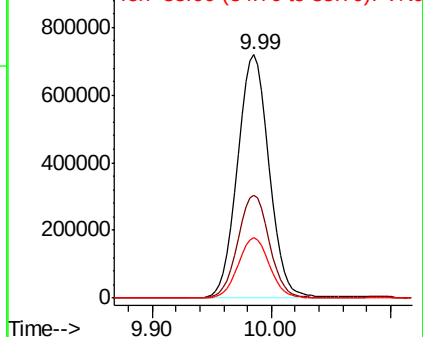


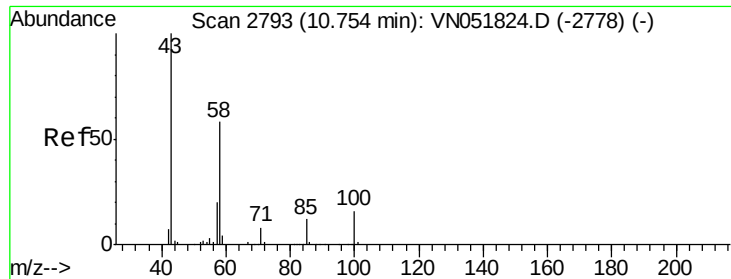
#58
4-Methyl-2-Pentanone
Concen: 255.567 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.3	29.3	43.9
85	24.5	12.6	18.8



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

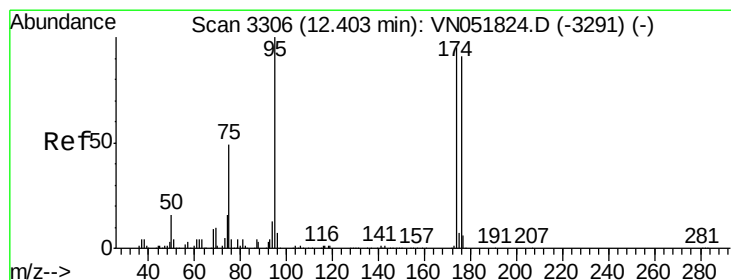
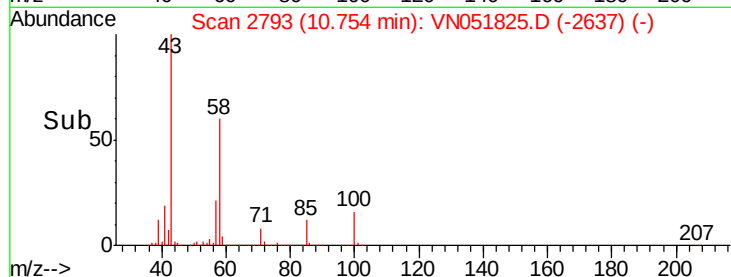
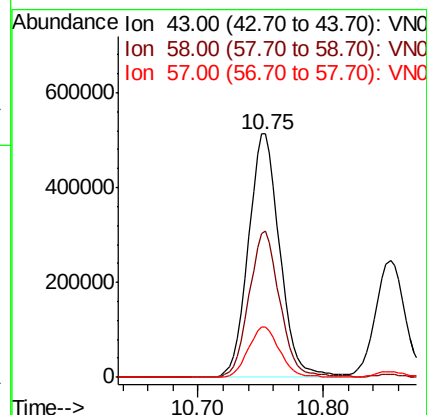
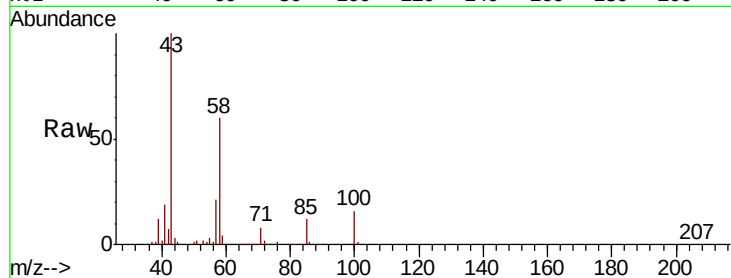




#59
2-Hexanone
Concen: 255.511 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

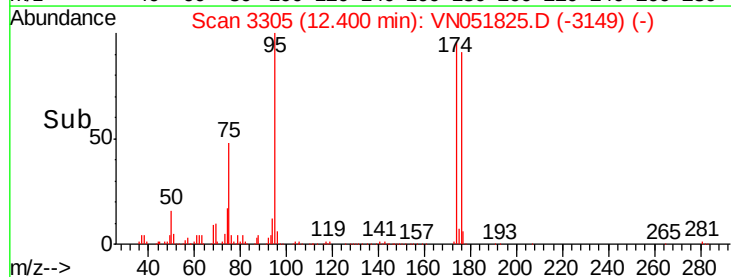
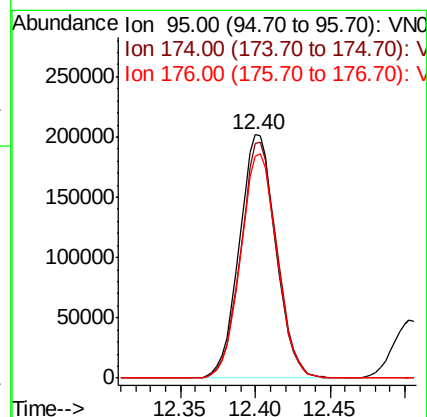
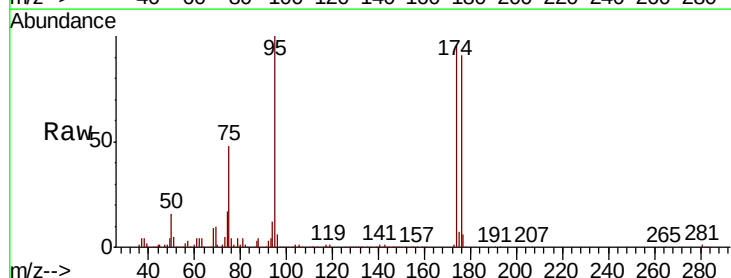
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

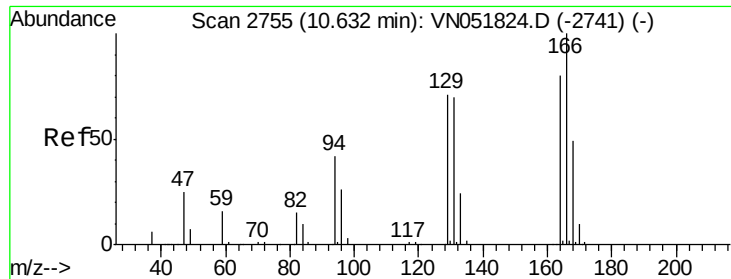
Tot Ion	Ratio	Lower	Upper
43	100		
58	59.3	41.3	61.9
57	21.0	13.4	20.0



#60
4-Bromofluorobenzene
Concen: 255.511 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.0	73.5	110.3
176	92.0	70.2	105.2





#61

Tetrachloroethene

Concen: 50.274 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 497609

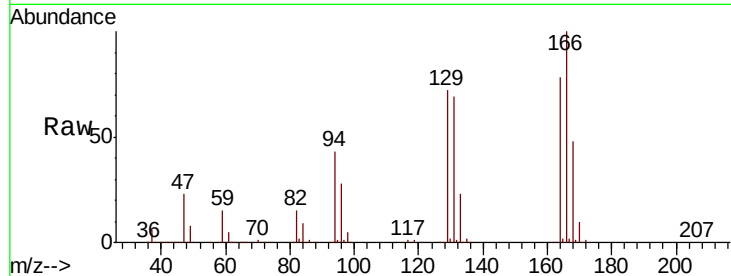
Ion Ratio Lower Upper

164 100

166 127.6 98.7 148.1

129 91.7 69.6 104.4

131 88.7 72.4 108.6

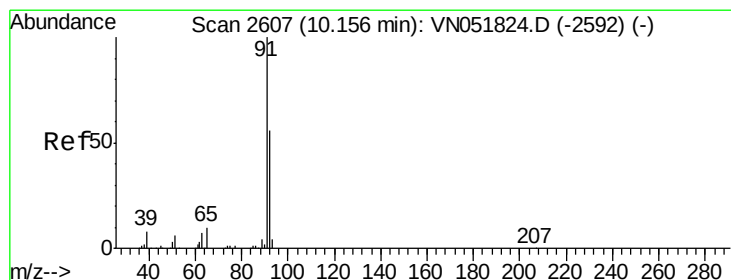
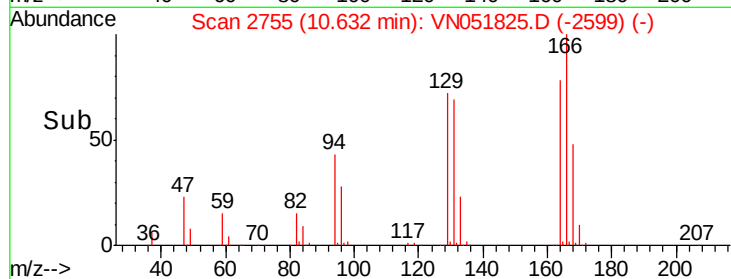
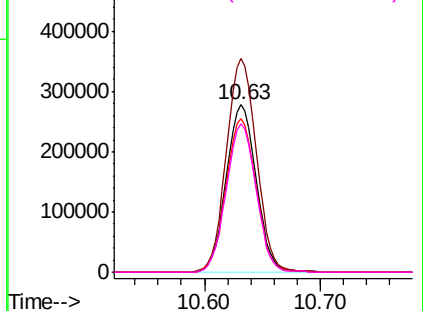


Abundance Ion 163.85 (163.55 to 164.55): V

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: 51.053 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051825.D

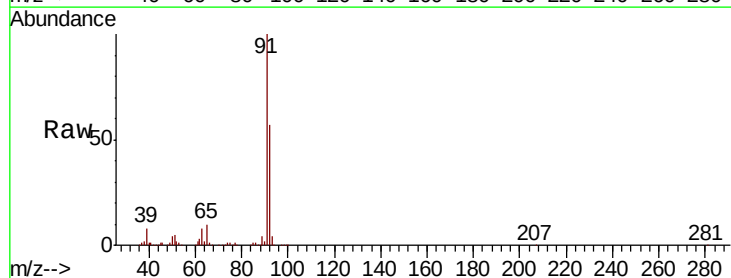
Acq: 12 Oct 2018 9:03

Tgt Ion: 91 Resp: 1962957

Ion Ratio Lower Upper

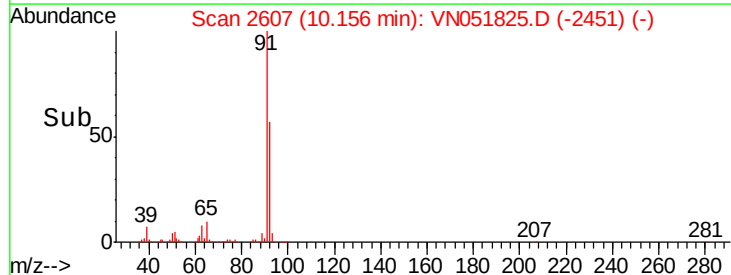
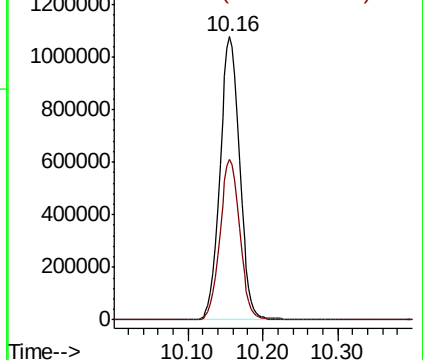
91 100

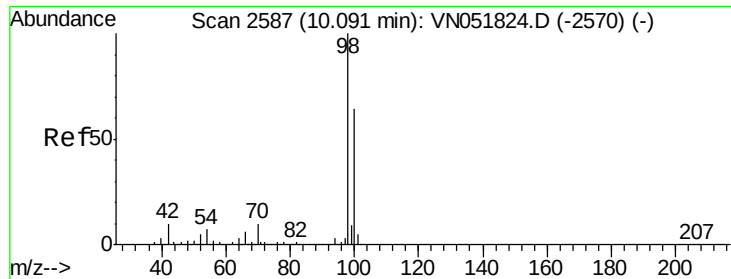
92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 51.053 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

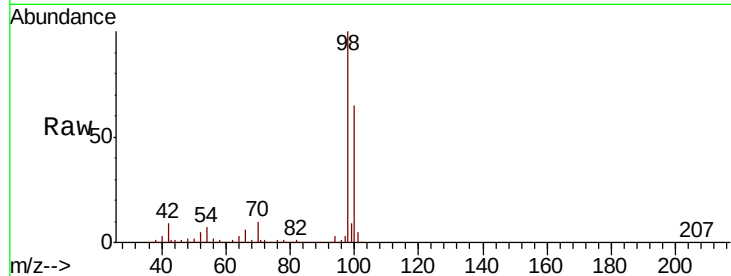
VSTDIC050

Tot Ion: 98 Resp: 990036

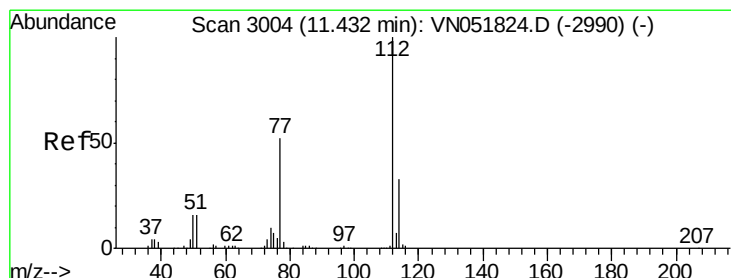
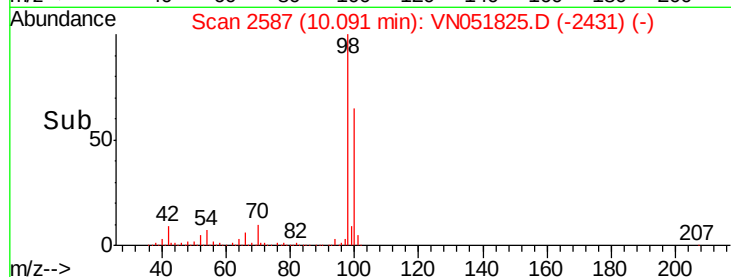
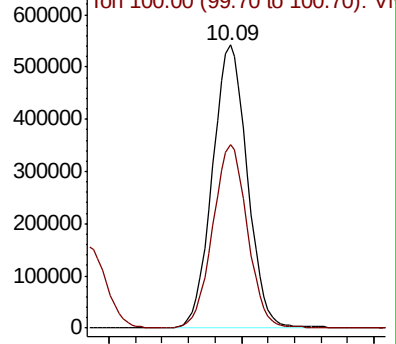
Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051824.D (-2570) (-)



#64

Chlorobenzene

Concen: 50.988 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051825.D

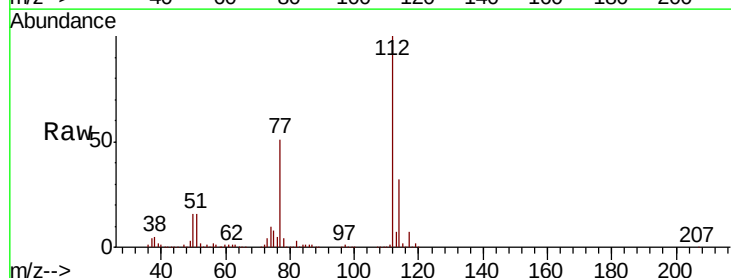
Acq: 12 Oct 2018 9:03

Tgt Ion: 112 Resp: 1283958

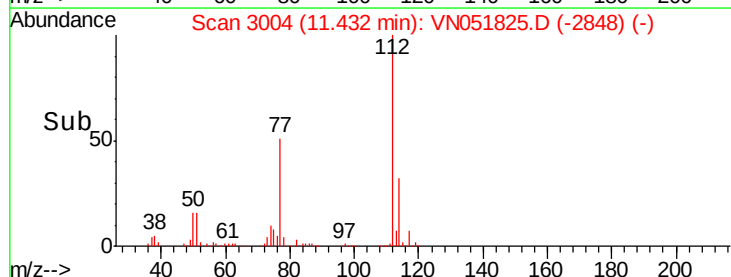
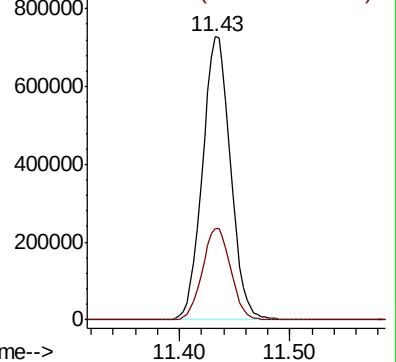
Ion Ratio Lower Upper

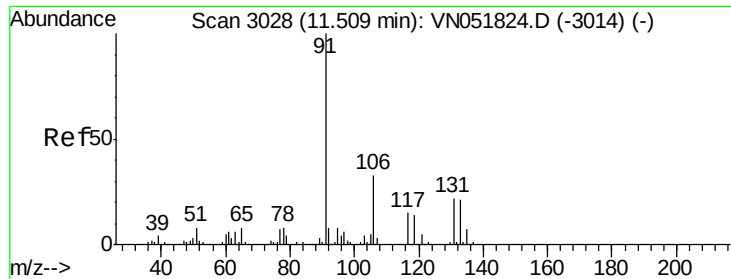
112 100

114 32.3 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051824.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 51.213 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

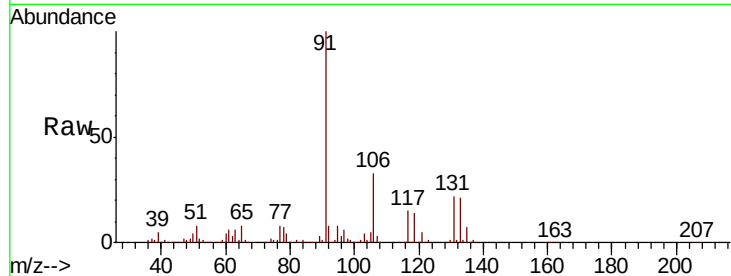
Tot Ion:131 Resp: 494992

Ion Ratio Lower Upper

131 100

133 96.0 0.0 190.4

119 64.2 0.0 128.0

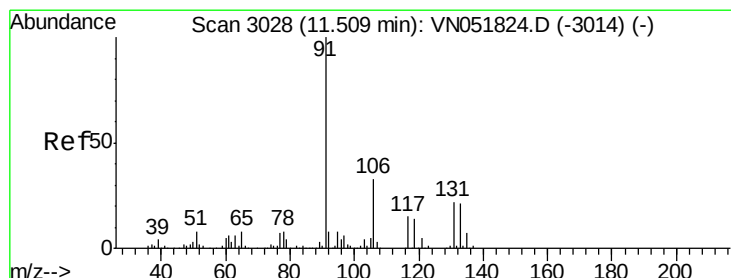
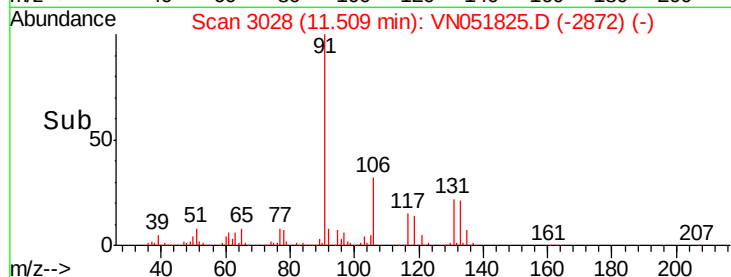
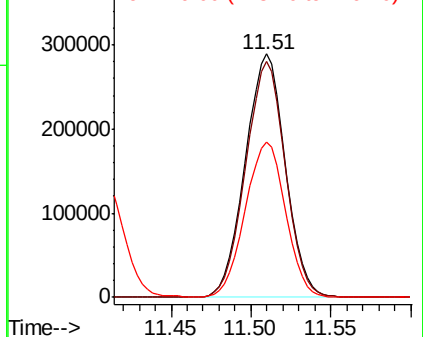


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 51.261 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051825.D

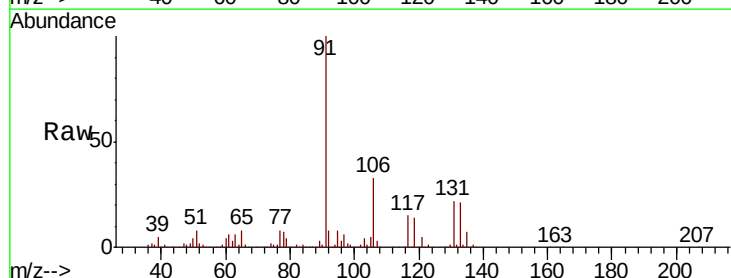
Acq: 12 Oct 2018 9:03

Tgt Ion: 91 Resp: 2178279

Ion Ratio Lower Upper

91 100

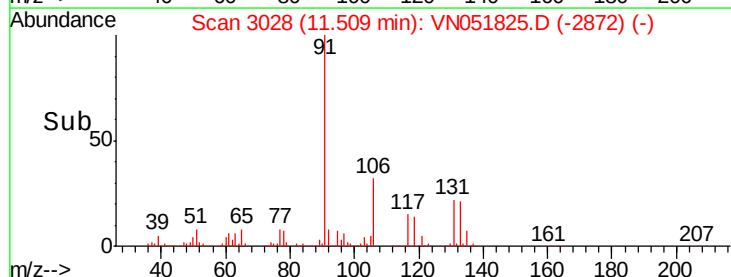
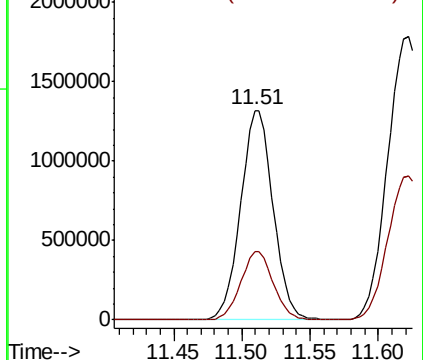
106 32.8 25.9 38.9

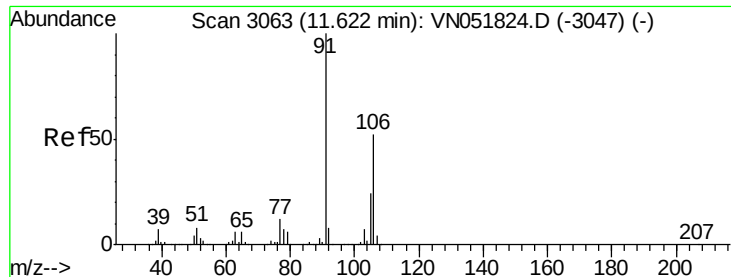


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 102.375 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

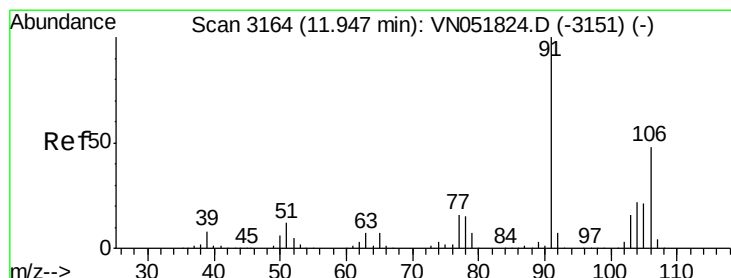
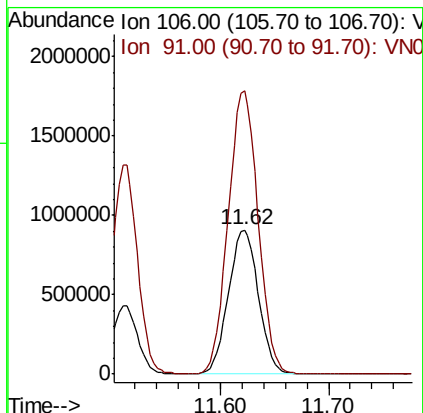
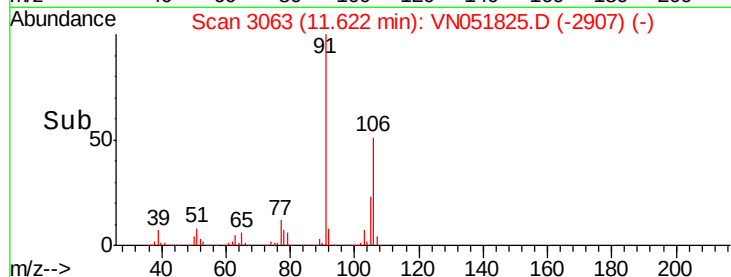
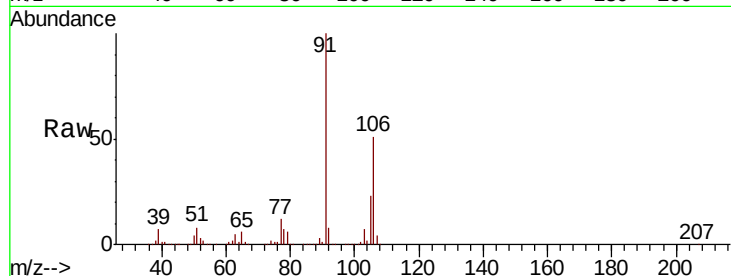
VSTDIC050

Tot Ion:106 Resp: 1763724

Ion Ratio Lower Upper

106 100

91 195.6 158.8 238.2



#68

o-Xylene

Concen: 51.568 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051825.D

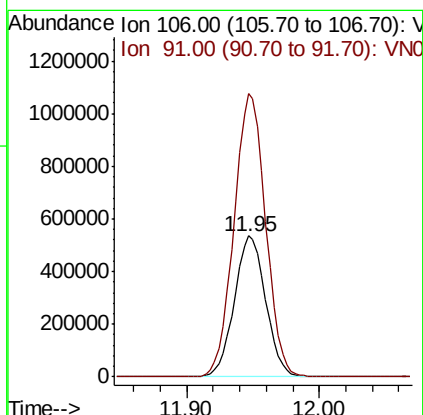
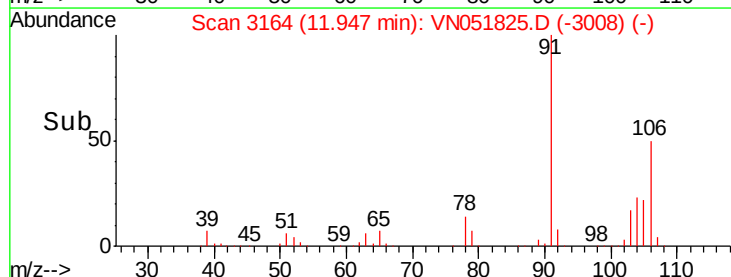
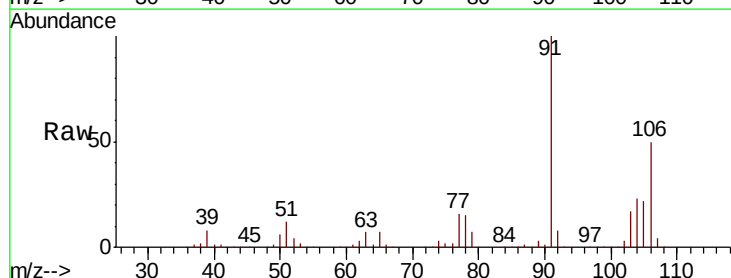
Acq: 12 Oct 2018 9:03

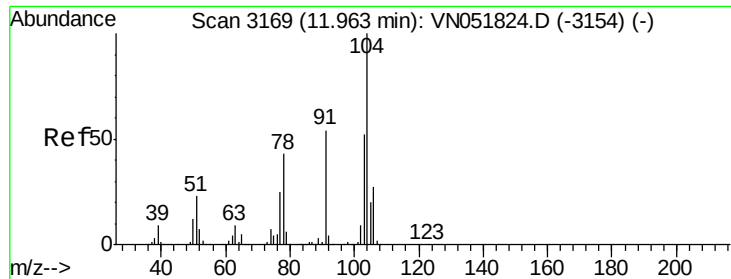
Tgt Ion:106 Resp: 875821

Ion Ratio Lower Upper

106 100

91 202.8 111.1 333.3

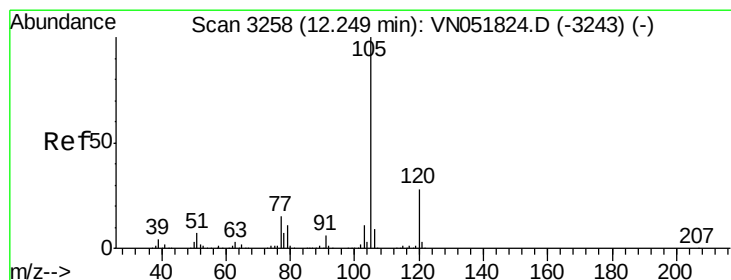
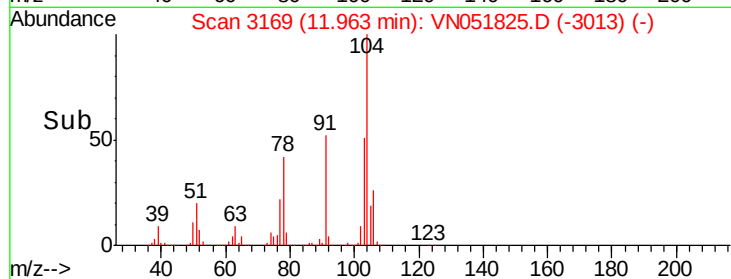
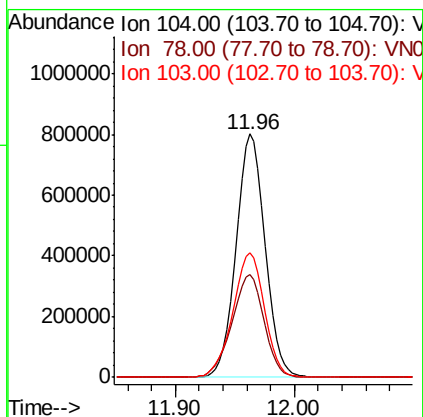
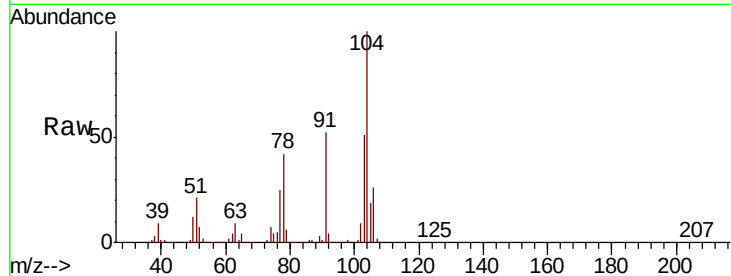




#69
Stvrene
Concen: 51.861 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

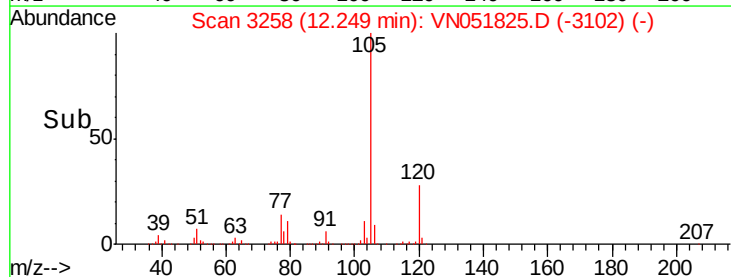
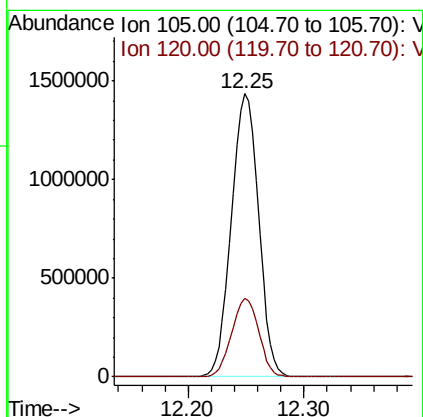
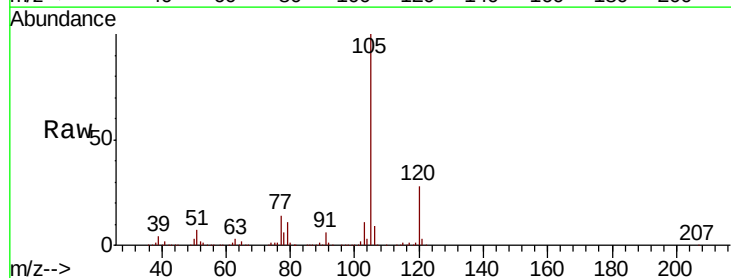
Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

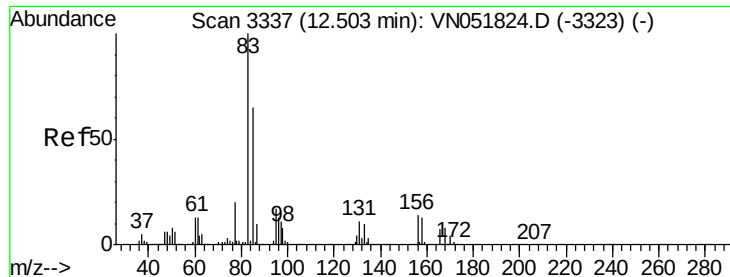
Tot Ion:104 Resp: 1351405
Ion Ratio Lower Upper
104 100
78 46.9 40.6 60.8
103 55.9 44.0 66.0



#70
Isopropylbenzene
Concen: 51.291 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion:105 Resp: 2323015
Ion Ratio Lower Upper
105 100
120 27.6 19.0 35.4

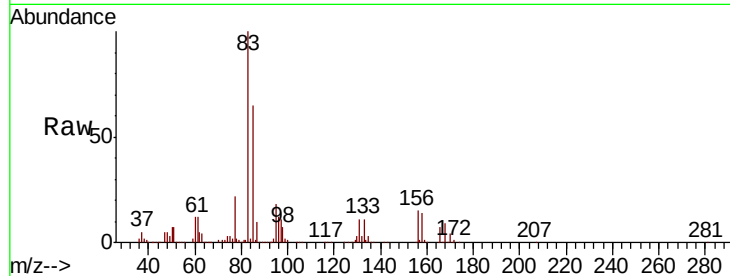




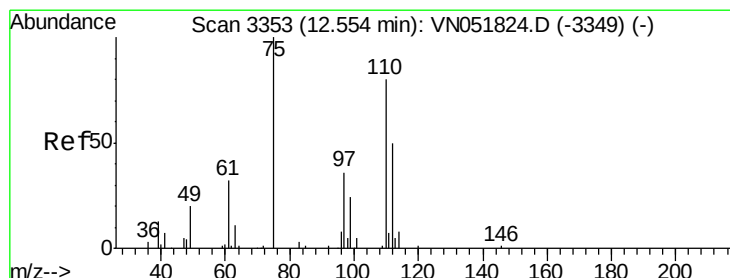
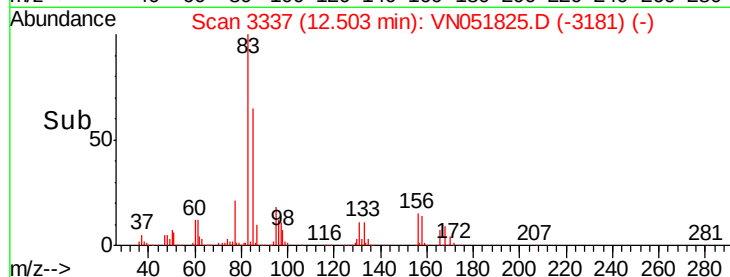
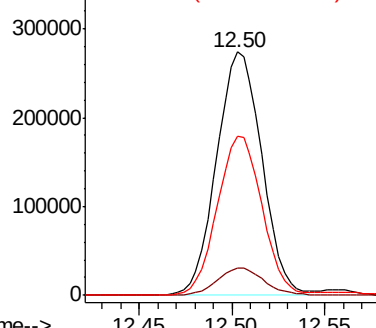
#71
 1,1,2,2-Tetrachloroethane
 Concen: 52.043 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion: 83 Resp: 465481
 Ion Ratio Lower Upper
 83 100
 131 11.7 5.5 16.4
 85 64.6 30.6 91.8

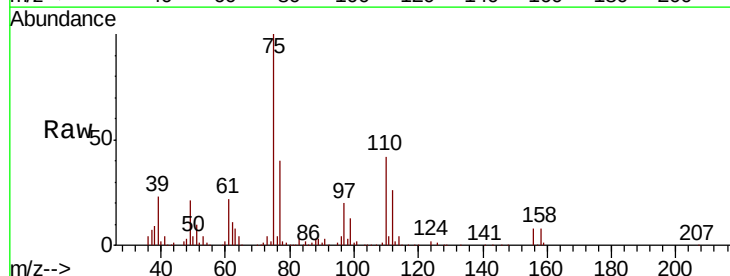


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

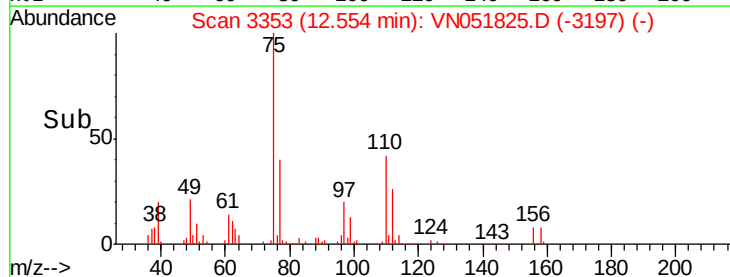
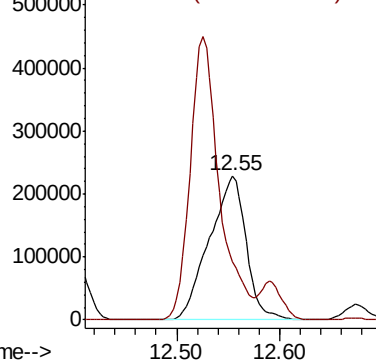


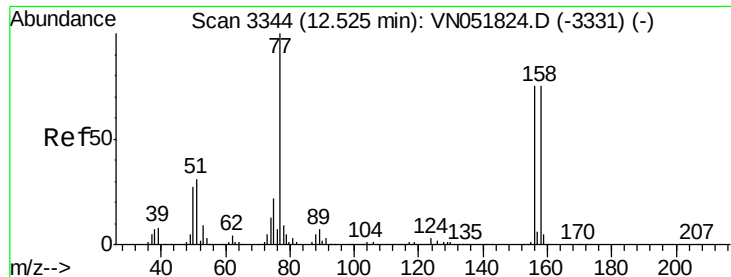
#72
 1,2,3-Trichloropropane
 Concen: 80.640 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion: 75 Resp: 567406
 Ion Ratio Lower Upper
 75 100
 77 156.5 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: 51.749 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

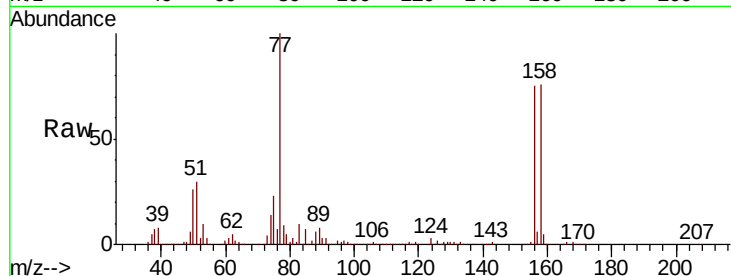
Tot Ion:156 Resp: 580533

Ion Ratio Lower Upper

156 100

77 153.0 0.0 377.4

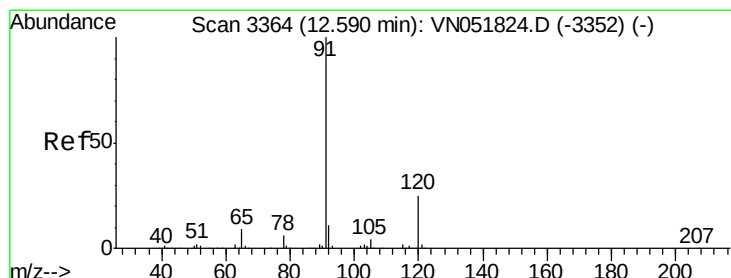
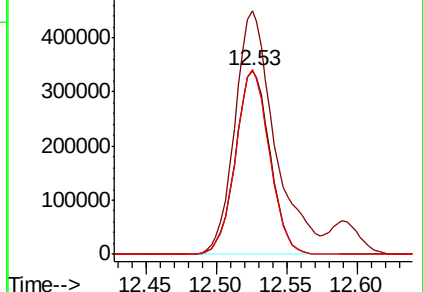
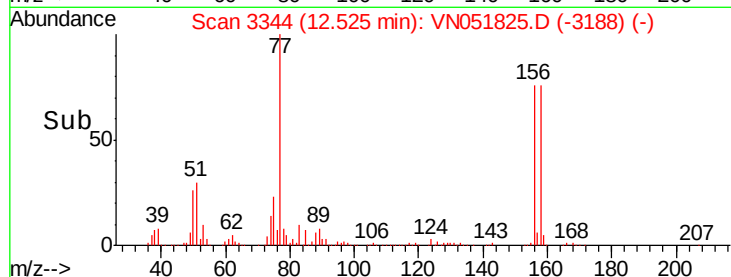
158 98.7 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 51.913 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051825.D

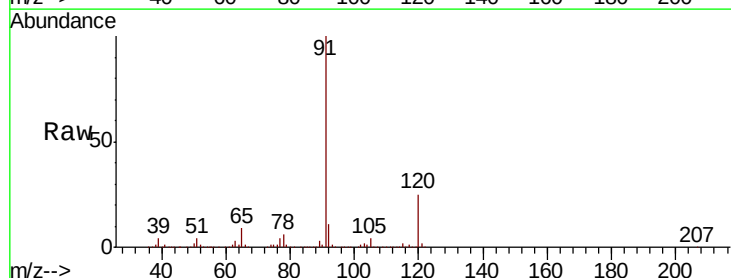
Acq: 12 Oct 2018 9:03

Tgt Ion: 91 Resp: 2529056

Ion Ratio Lower Upper

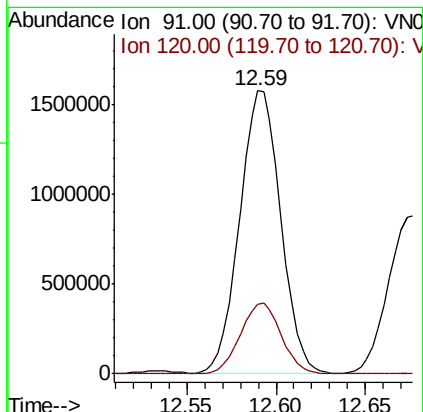
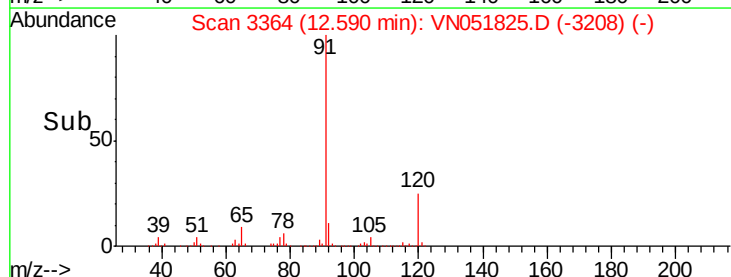
91 100

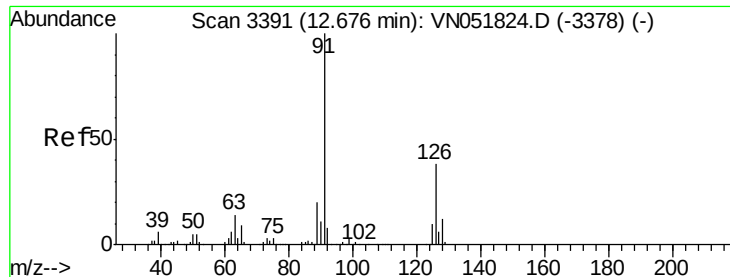
120 24.9 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 51.700 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

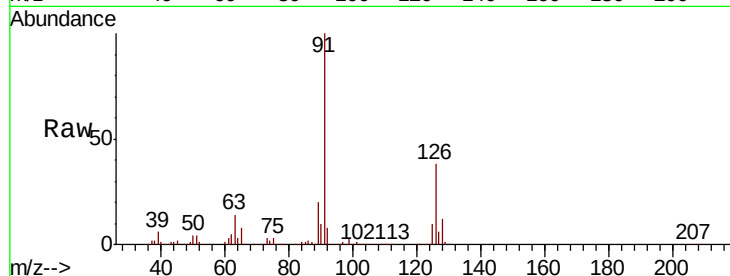
VSTDIC050

Tot Ion: 91 Resp: 1476610

Ion Ratio Lower Upper

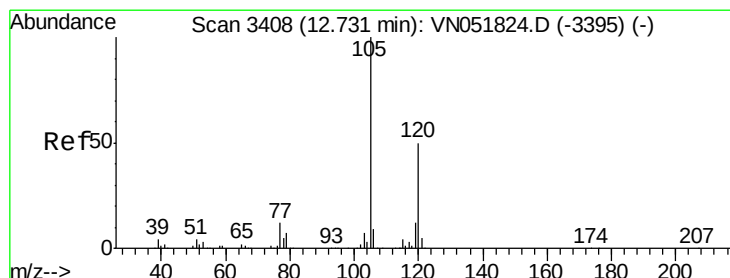
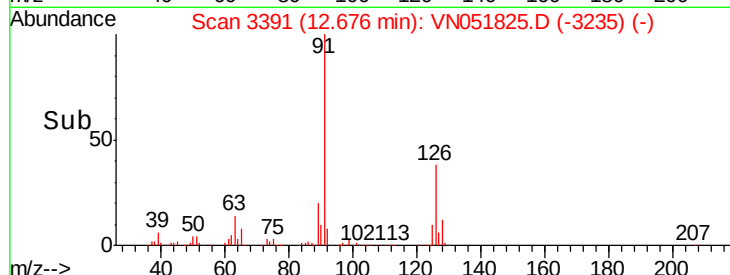
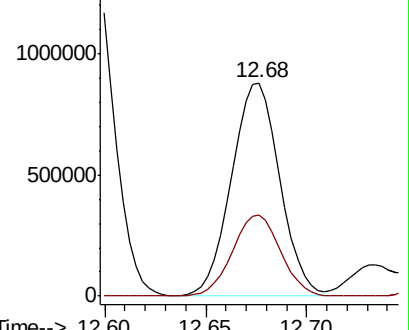
91 100

126 38.0 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN051824.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 52.022 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051825.D

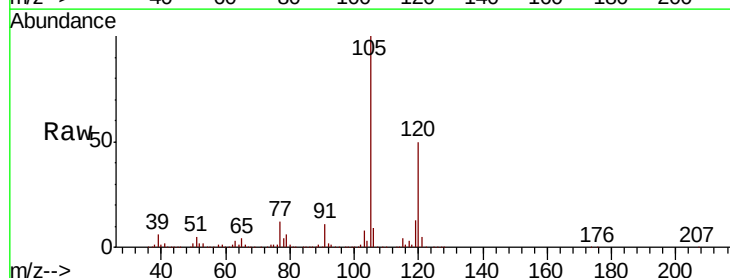
Acq: 12 Oct 2018 9:03

Tgt Ion: 105 Resp: 1948361

Ion Ratio Lower Upper

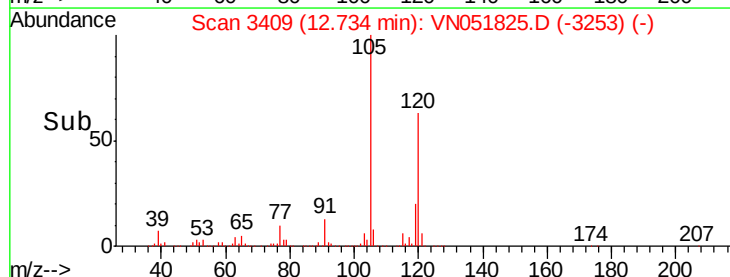
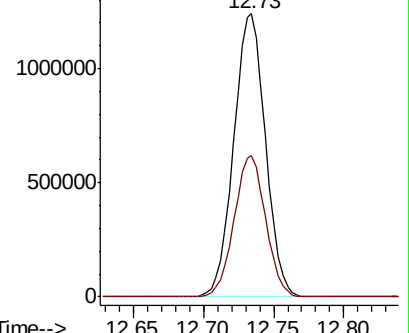
105 100

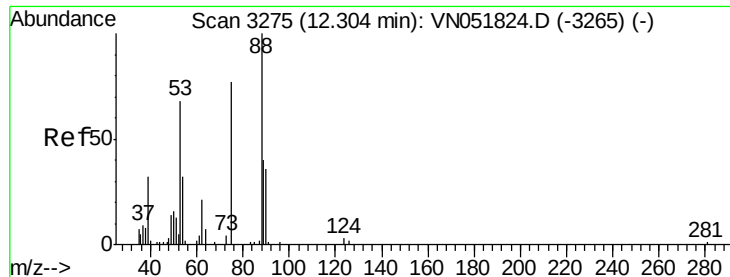
120 49.7 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051824.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN051824.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 53.421 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

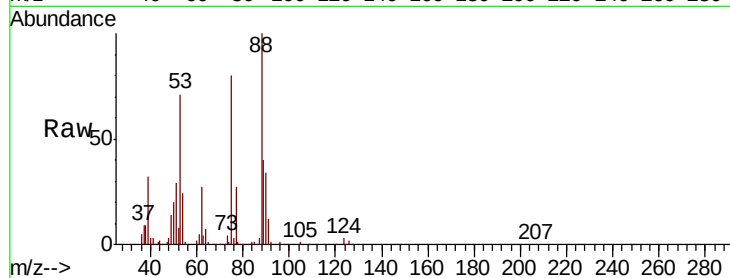
Tot Ion: 75 Resp: 124316

Ion Ratio Lower Upper

75 100

53 87.9 46.3 138.9

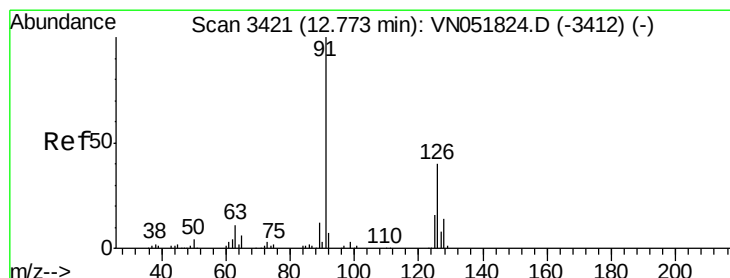
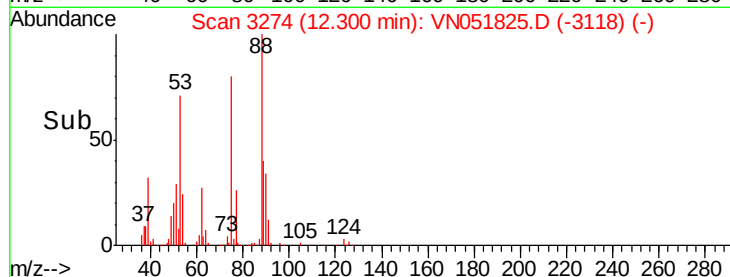
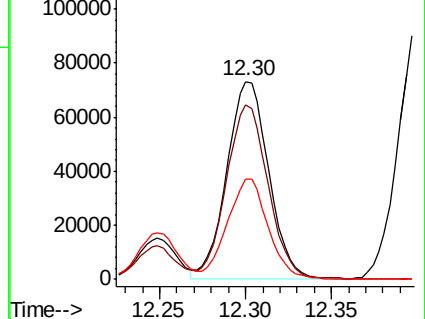
89 50.6 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 52.593 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051825.D

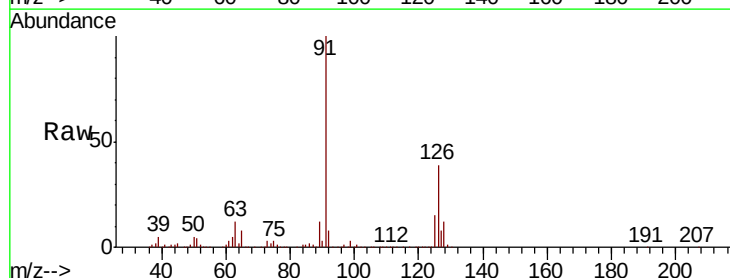
Acq: 12 Oct 2018 9:03

Tgt Ion: 91 Resp: 1475827

Ion Ratio Lower Upper

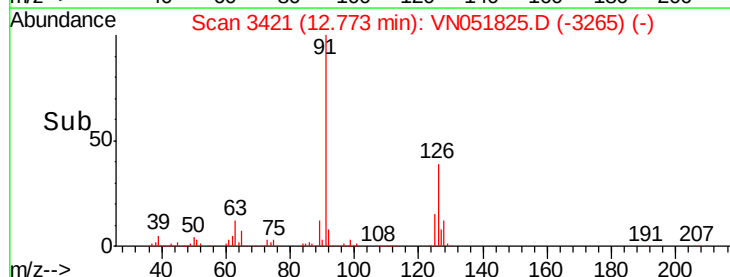
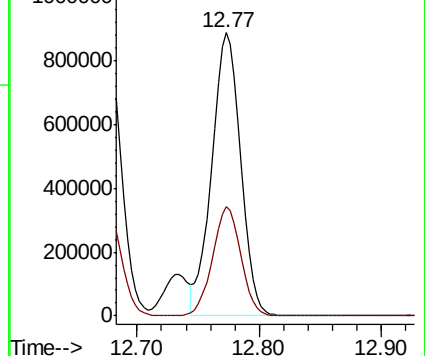
91 100

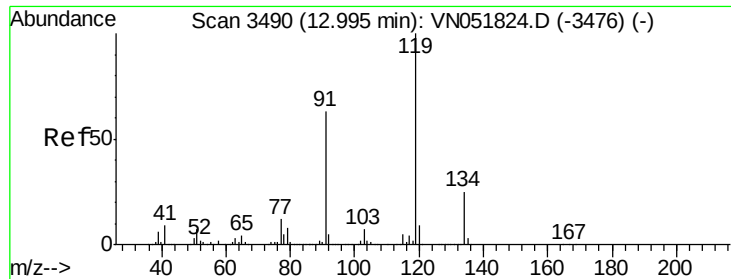
126 37.7 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

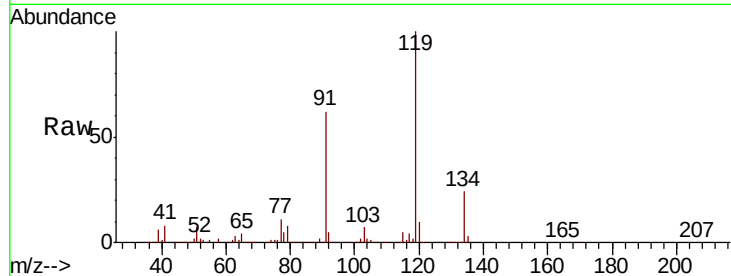




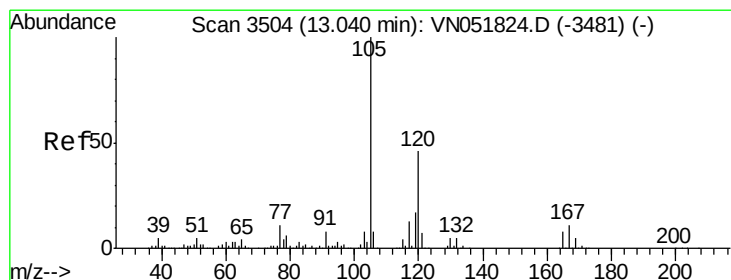
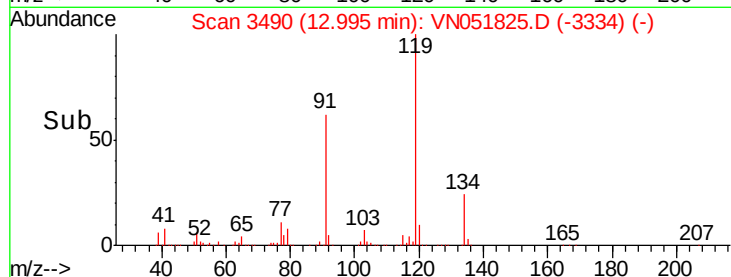
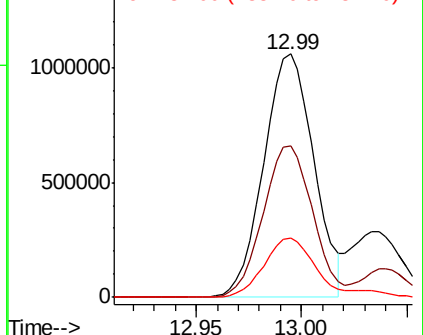
#79
tert-butylbenzene
Concen: 50.967 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:119 Resp: 1755434
Ion Ratio Lower Upper
119 100
91 61.6 0.0 131.6
134 24.7 0.0 46.2

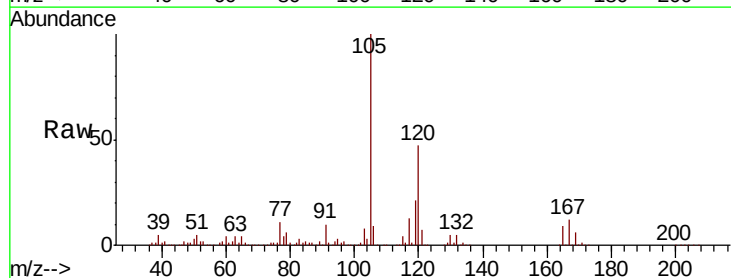


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

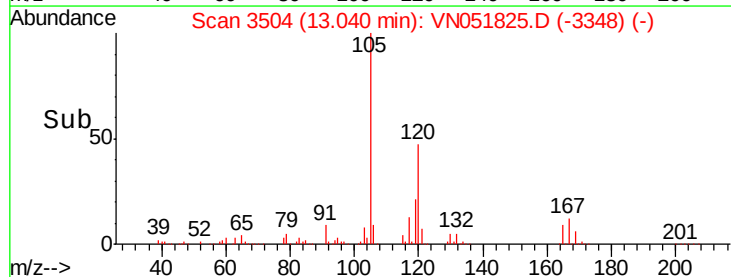
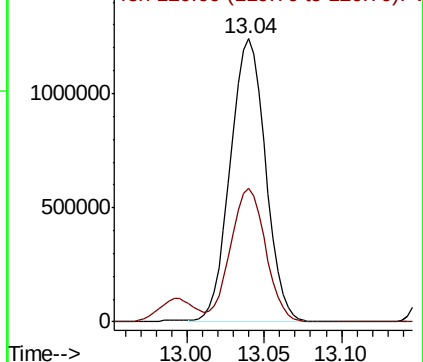


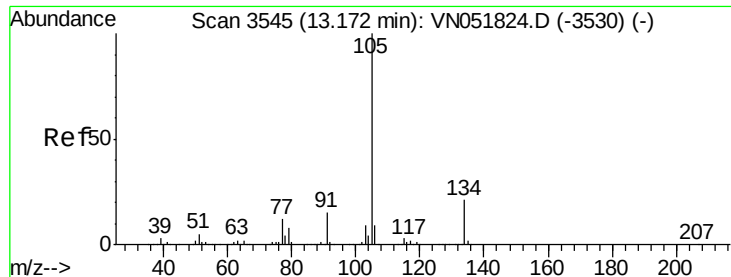
#80
1,2,4-Trimethylbenzene
Concen: 52.336 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion:105 Resp: 1959007
Ion Ratio Lower Upper
105 100
120 47.1 0.0 89.6



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





#81

sec-Butylbenzene

Concen: 51.961 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

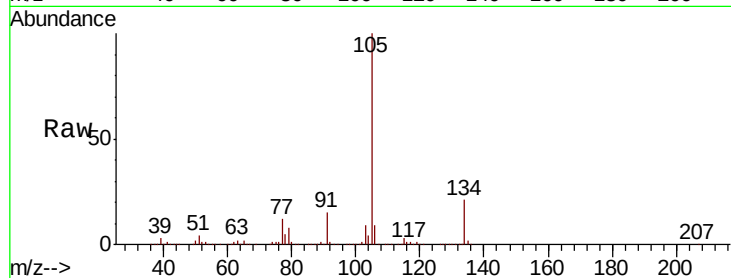
VSTDIC050

Tot Ion:105 Resp: 2341171

Ion Ratio Lower Upper

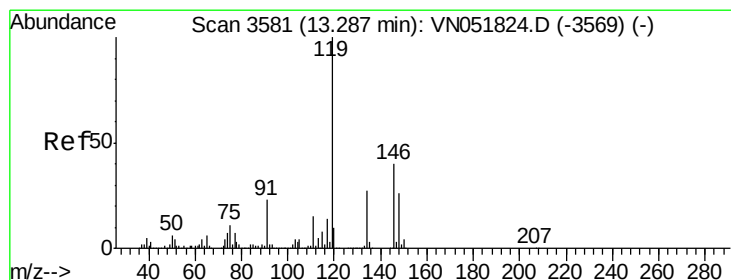
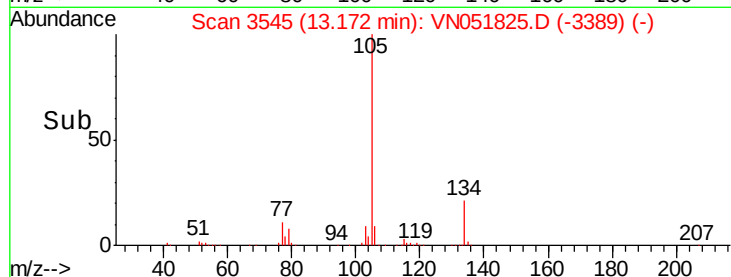
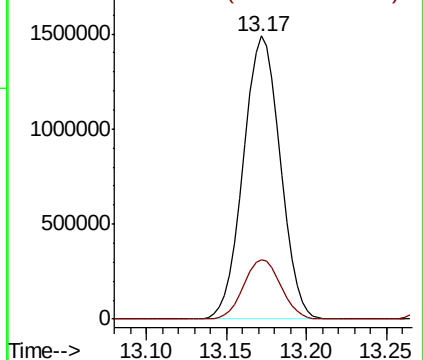
105 100

134 21.2 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 52.655 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

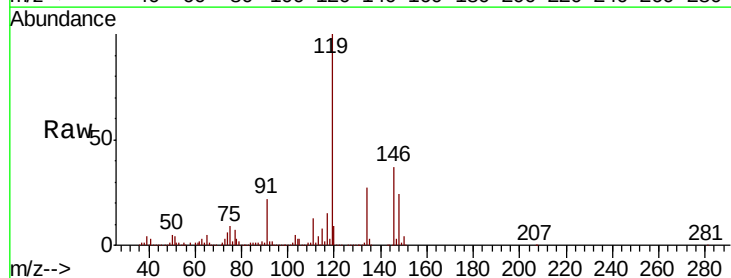
Tgt Ion:119 Resp: 2122975

Ion Ratio Lower Upper

119 100

134 27.2 0.0 53.6

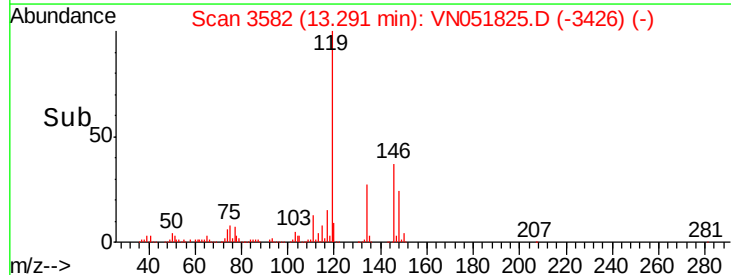
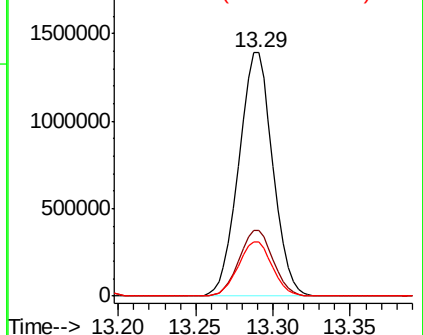
91 22.5 0.0 52.0

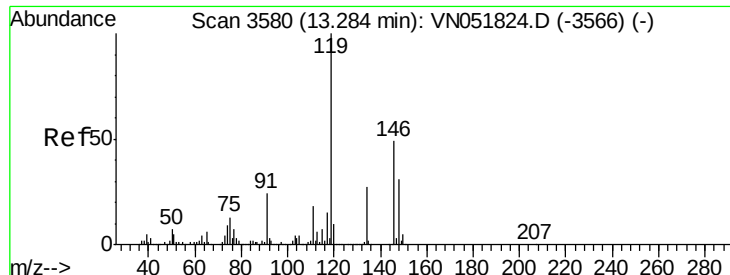


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 52.937 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

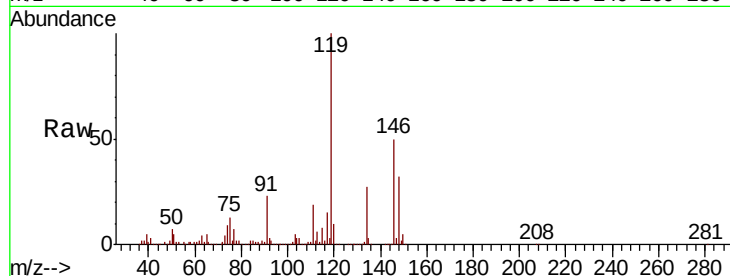
Tot Ion:146 Resp: 1047885

Ion Ratio Lower Upper

146 100

111 37.2 18.1 54.3

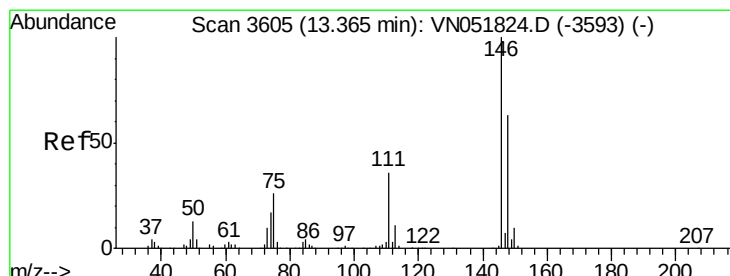
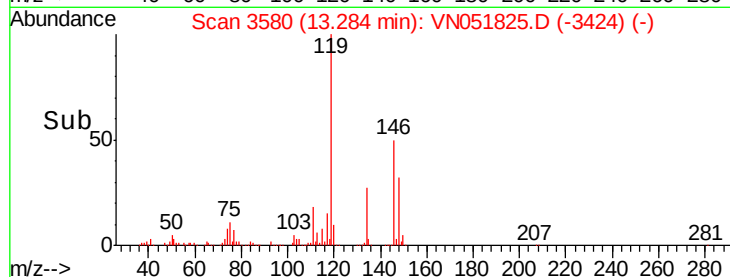
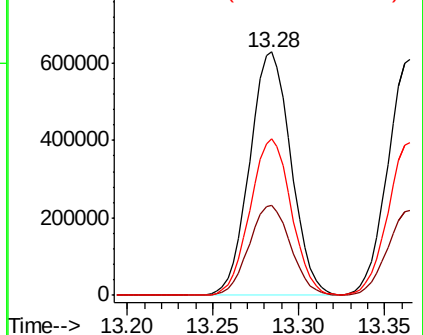
148 64.1 31.3 93.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 53.463 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

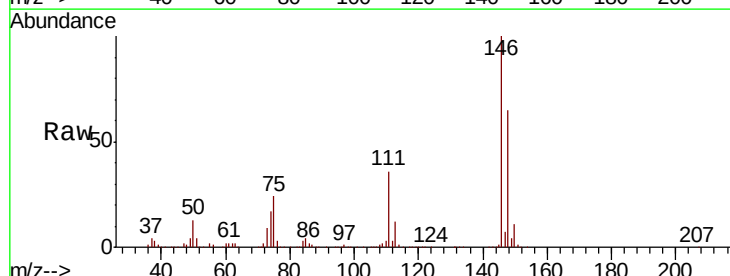
Tgt Ion:146 Resp: 996295

Ion Ratio Lower Upper

146 100

111 35.8 17.4 52.2

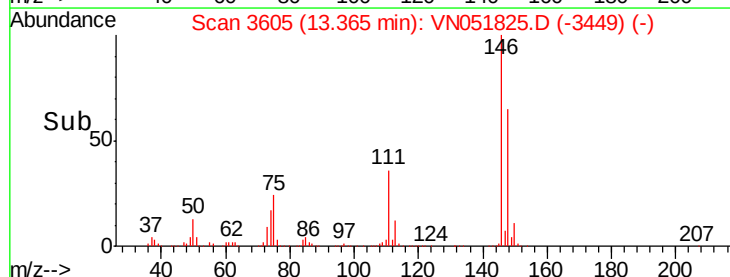
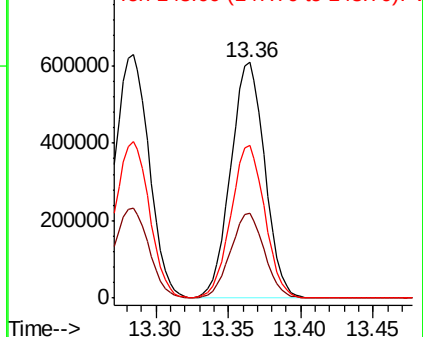
148 64.3 32.8 98.3

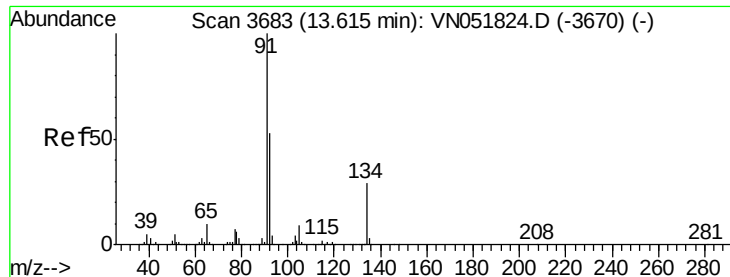


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 54.151 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

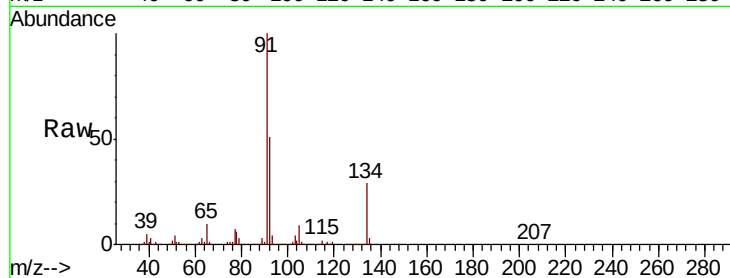
Tot Ion: 91 Resp: 1646347

Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	97.4
134	28.8	0.0	49.6

91 100

92 51.6 0.0 97.4

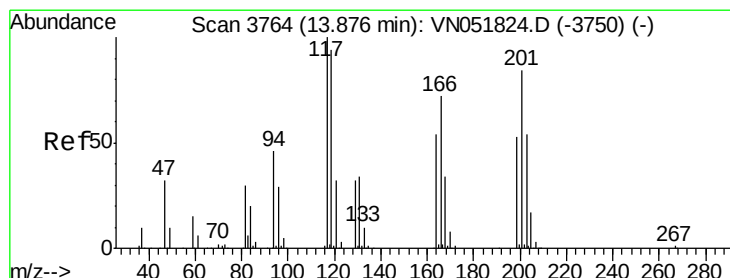
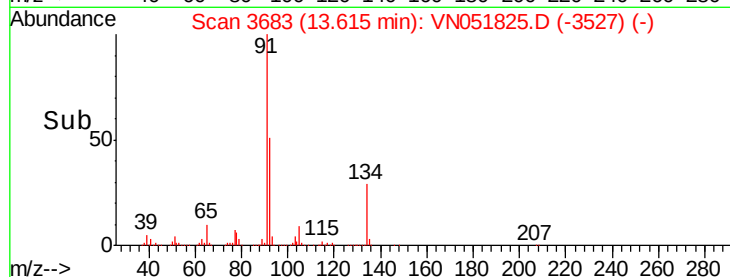
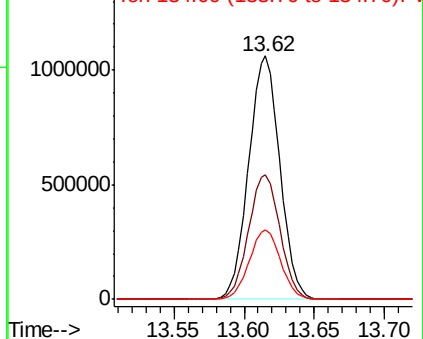
134 28.8 0.0 49.6



Abundance Ion 91.00 (90.70 to 91.70): VN051825.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN051825.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN051825.D (-3670) (-)



#86

Hexachloroethane

Concen: 52.385 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051825.D

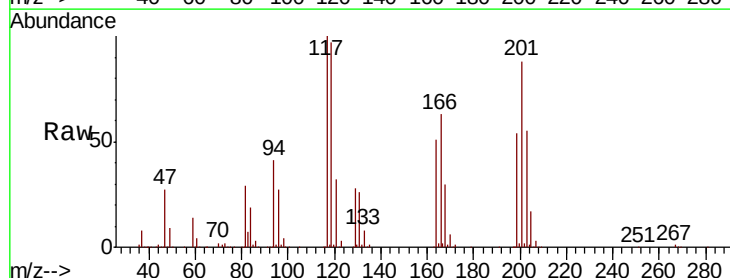
Acq: 12 Oct 2018 9:03

Tgt Ion: 117 Resp: 364180

Ion	Ratio	Lower	Upper
117	100		
201	87.2	47.8	143.3

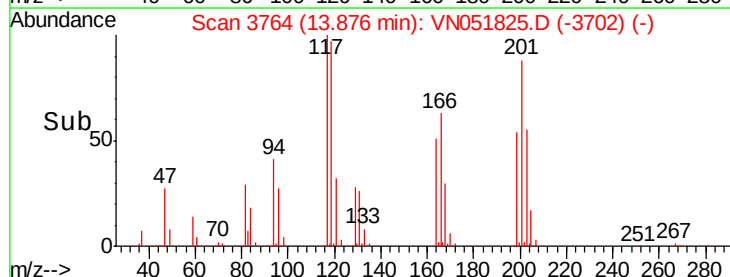
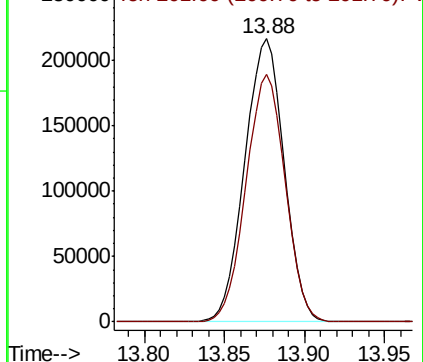
117 100

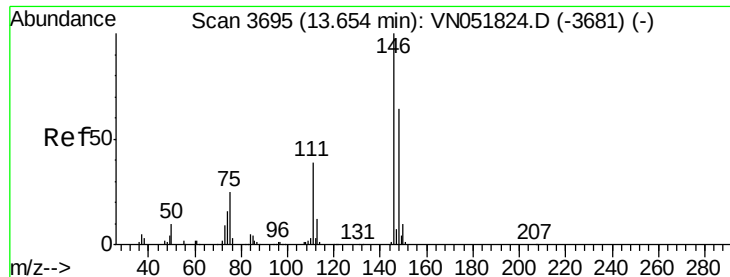
201 87.2 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051825.D (-3750) (-)

Ion 201.00 (200.70 to 201.70): VN051825.D (-3750) (-)





#87

1,2-Dichlorobenzene

Concen: 53.160 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

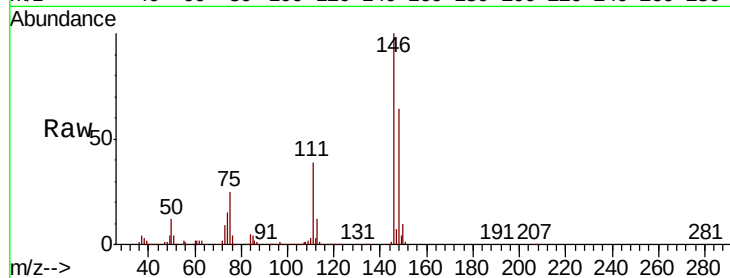
Tot Ion:146 Resp: 1018776

Ion Ratio Lower Upper

146 100

111 38.3 20.8 62.2

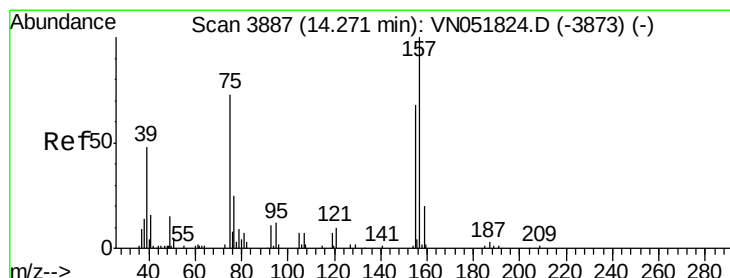
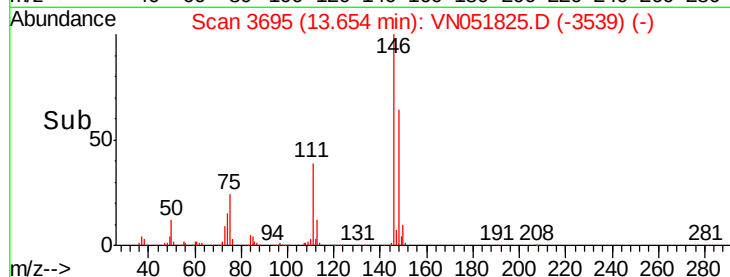
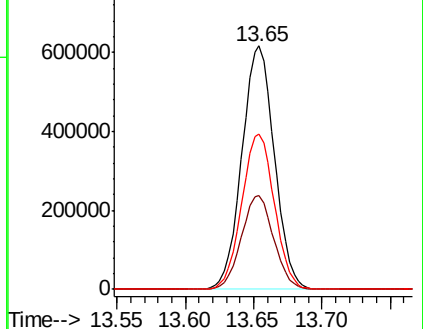
148 64.1 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 51.230 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051825.D

Acq: 12 Oct 2018 9:03

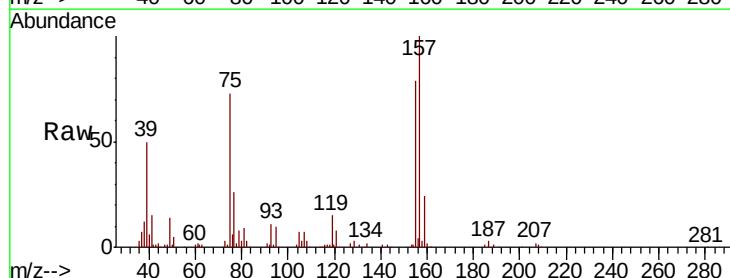
Tgt Ion: 75 Resp: 68428

Ion Ratio Lower Upper

75 100

155 105.5 57.0 85.6#

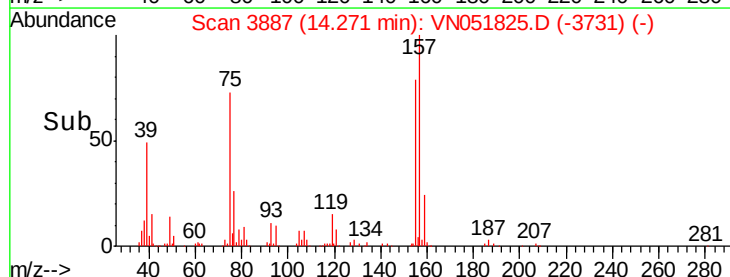
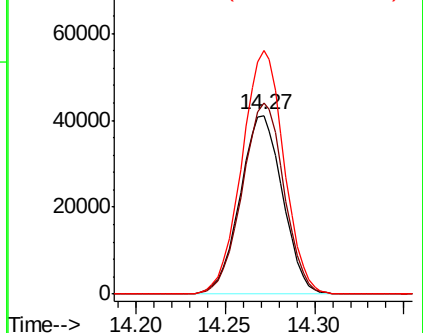
157 134.9 87.4 131.0#

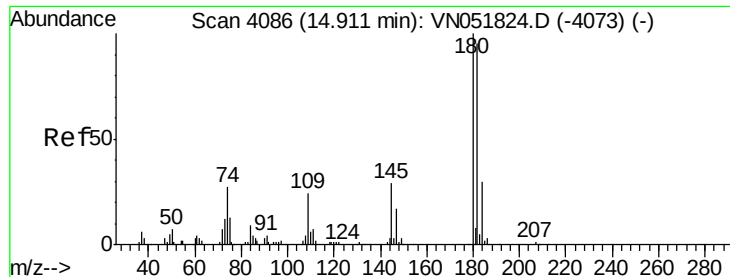


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

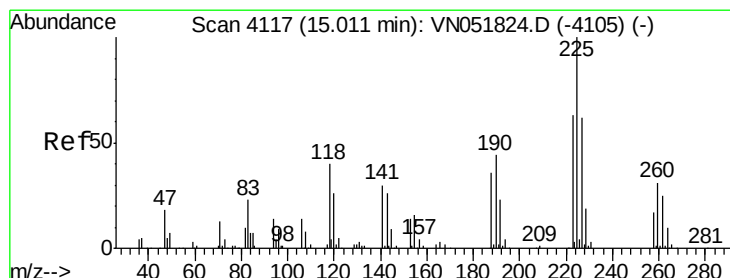
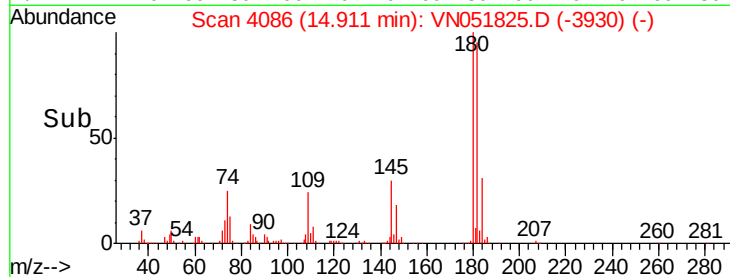
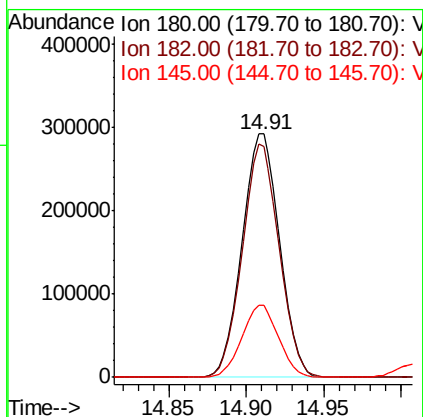
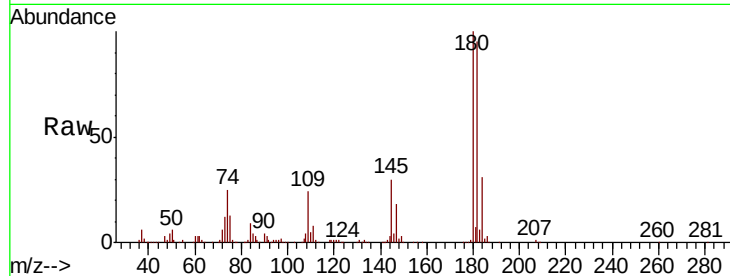




#89
 1,2,4-Trichlorobenzene
 Concen: 46.641 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

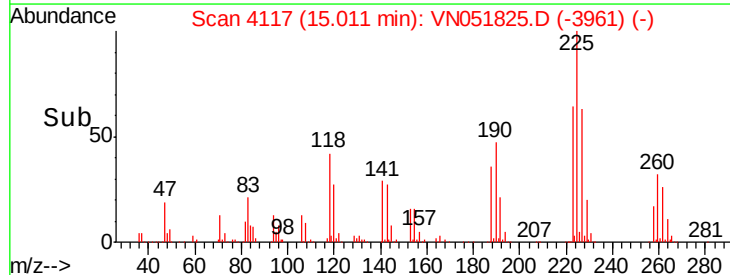
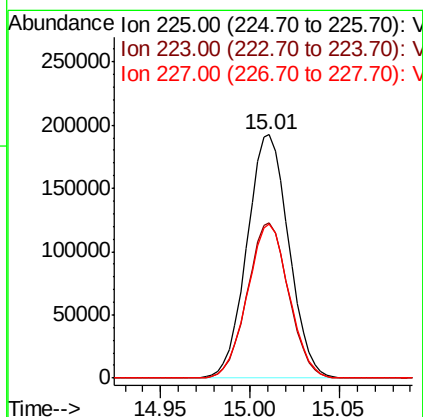
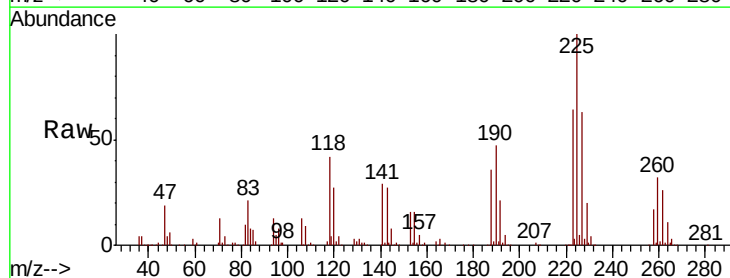
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

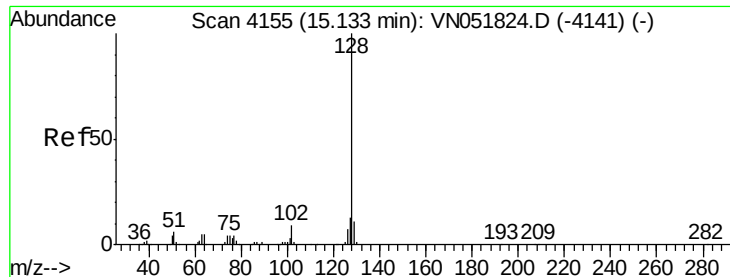
Tot Ion:180 Resp: 492194
 Ion Ratio Lower Upper
 180 100
 182 94.2 77.7 116.5
 145 28.9 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 50.990 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051825.D
 Acq: 12 Oct 2018 9:03

Tgt Ion:225 Resp: 314908
 Ion Ratio Lower Upper
 225 100
 223 63.1 0.0 117.0
 227 63.1 0.0 127.0

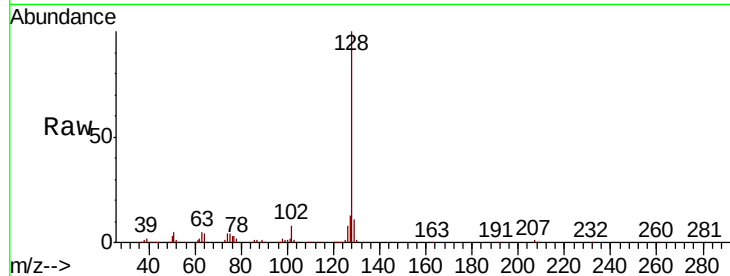




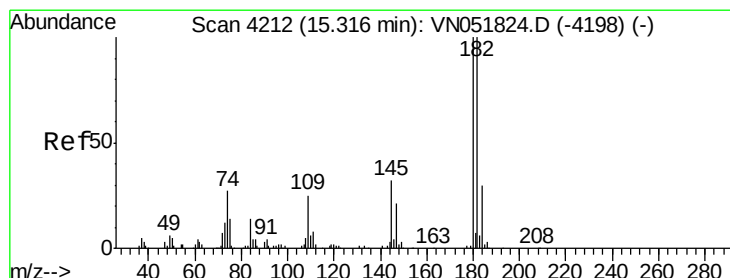
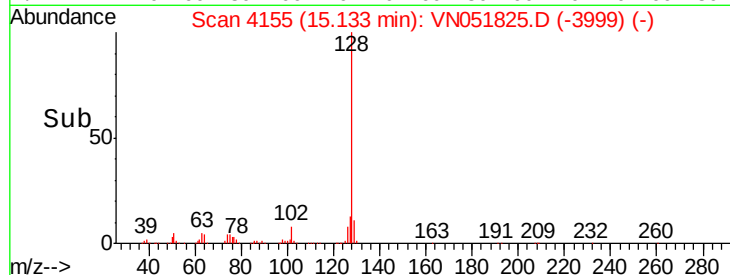
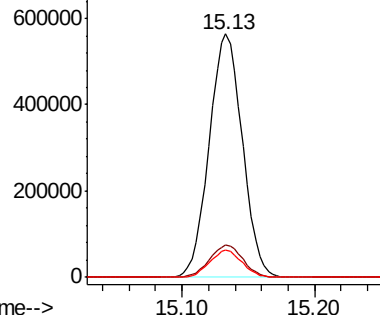
#91
Naphthalene
Concen: 45.871 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:128 Resp: 978701
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 10.8 8.4 12.6

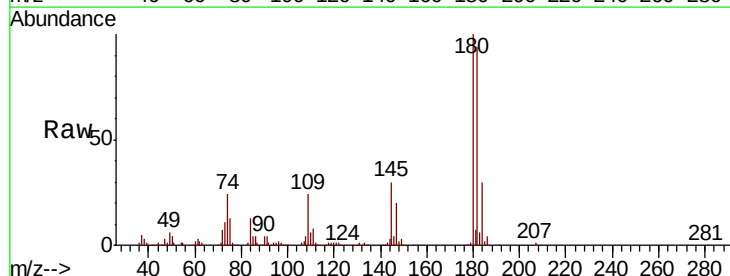


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 55.305 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051825.D
Acq: 12 Oct 2018 9:03

Tgt Ion:180 Resp: 482210
Ion Ratio Lower Upper
180 100
182 94.3 0.0 198.0
145 30.1 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

