

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051826.D
 Acq On : 12 Oct 2018 9:27
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Oct 22 07:00:30 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	157925	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	881797	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	825615	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	279475	29.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.93%
60) 4-Bromofluorobenzene	12.40	95	377461	31.70	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.67%
63) Toluene-d8	10.09	98	1059043	29.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.47%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	636654	103.767	ug/l 100
3) Chloromethane	2.06	50	630016	97.159	ug/l 100
4) Vinyl Chloride	2.18	62	952858	98.401	ug/l 99
5) Bromomethane	2.55	94	822221	96.099	ug/l 87
6) Chloroethane	2.70	64	672725	96.397	ug/l 99
7) Trichlorofluoromethane	3.01	101	1382079	100.109	ug/l 95
8) Diethyl Ether	3.41	74	394599	98.183	ug/l 71
9) 1,1,2-Trichlorotrifluoroet	3.76	101	769583	97.884	ug/l # 40
10) 1,1-Dichloroethene	3.73	96	708473	97.438	ug/l 86
11) Methyl Iodide	3.95	142	1139148	107.774	ug/l 94
12) Methyl Acetate	4.33	43	461530	102.220	ug/l 94
13) Acrolein	3.61	56	143385	481.999	ug/l 88
14) Acrylonitrile	4.99	53	1039444	515.098	ug/l # 61
15) Acetone	3.82	58	241460	484.043	ug/l 88
16) Carbon Disulfide	4.05	76	1951253	102.183	ug/l 98
17) Allyl chloride	4.32	41	861804	99.834	ug/l 76
18) Methylene Chloride	4.55	84	809946	99.628	ug/l # 87
19) trans-1,2-Dichloroethene	5.04	96	828993	99.850	ug/l 84
20) Diisopropyl ether	5.95	45	1886025	98.100	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	1319861	98.251	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	969850	99.454	ug/l # 81
23) tert-Butyl Alcohol	4.79	59	266534	501.508	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	2083263	99.447	ug/l # 67
25) Chloroform	7.37	83	1581346	99.224	ug/l 97
26) Cyclohexane	7.65	56	1111424	97.589	ug/l # 70
29) 1,1-Dichloropropene	7.79	75	1144525	100.693	ug/l 94
30) 2-Butanone	6.84	43	1175486	494.791	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	1332408	99.647	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	1523300	101.085	ug/l # 93
33) Carbon Tetrachloride	7.77	117	1398827	102.599	ug/l 94
34) Benzene	8.04	78	3387691	100.759	ug/l # 60
35) Methacrylonitrile	7.18	41	268976	86.175	ug/l 74
36) 1,2-Dichloroethane	8.13	62	1076800	99.953	ug/l 96
37) Trichloroethene	8.84	130	1053758	100.963	ug/l 96
38) Methylcyclohexane	9.08	83	1457733	99.991	ug/l 78
39) 1,2-Dichloropropane	9.12	63	776959	98.126	ug/l 95
40) Dibromomethane	9.21	93	596335	101.476	ug/l 94

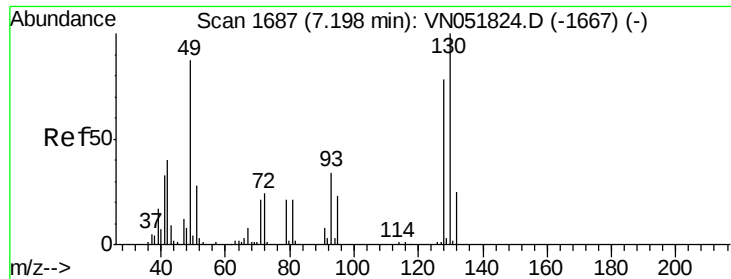
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1252246	103.165	ug/l	95
42) Vinyl Acetate	5.90	43	6777720	506.794	ug/l #	88
43) Ethyl Acetate	6.93	43	538485	104.386	ug/l	99
44) Isopropyl Acetate	8.17	43	1047946	101.706	ug/l	96
45) 1,4-Dioxane	9.20	88	174010	2103.253	ug/l #	74
46) Methyl methacrylate	9.20	41	485456	102.145	ug/l	73
48) t-1,3-Dichloropropene	10.38	75	1274473	107.670	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	1381122	105.844	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	835091	102.850	ug/l	95
51) Ethyl methacrylate	10.43	69	976692	105.068	ug/l	84
52) 1,3-Dichloropropane	10.71	76	1279729	102.121	ug/l	98
53) Dibromochloromethane	10.90	129	1086678	108.185	ug/l	96
54) 1,2-Dibromoethane	11.01	107	903851	106.054	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	2159376	543.391	ug/l #	93
56) Bromoform	12.13	173	779496	117.669	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	2727139	493.602	ug/l #	85
61) Tetrachloroethene	10.63	164	1038360	98.344	ug/l	96
62) Toluene	10.16	91	4135693	100.833	ug/l	98
64) Chlorobenzene	11.43	112	2760186	102.755	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	1072264	103.999	ug/l	99
66) Ethyl Benzene	11.51	91	4662141	102.849	ug/l	99
67) m/p-Xylenes	11.62	106	3837375	208.805	ug/l	96
68) o-Xylene	11.95	106	1869741	103.202	ug/l	88
69) Styrene	11.96	104	3016768	108.528	ug/l	96
70) Isopropylbenzene	12.25	105	5031808	104.150	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	988318	103.585	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	1231285	164.044	ug/l	71
73) Bromobenzene	12.53	156	1304450	109.004	ug/l	80
74) n-propylbenzene	12.59	91	5549508	106.787	ug/l	94
75) 2-Chlorotoluene	12.67	91	3178150	104.315	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	4241885	106.175	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	283749	114.304	ug/l	93
78) 4-Chlorotoluene	12.77	91	3247881	108.501	ug/l	90
79) tert-butylbenzene	12.99	119	3877192	105.527	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	4265287	106.822	ug/l	95
81) sec-Butylbenzene	13.17	105	5065061	105.383	ug/l	96
82) p-Isopropyltoluene	13.29	119	4668949	108.557	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	2396164	113.477	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	2311241	116.266	ug/l	99
85) n-Butylbenzene	13.62	91	3677596	113.394	ug/l	94
86) Hexachloroethane	13.87	117	808232	108.987	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	2291897	112.111	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	152604	107.102	ug/l #	67
89) 1,2,4-Trichlorobenzene	14.91	180	1201253	96.759	ug/l	99
90) Hexachlorobutadiene	15.01	225	686990	104.278	ug/l	97
91) Naphthalene	15.13	128	2440720	95.820	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1134001	121.923	ug/l	93

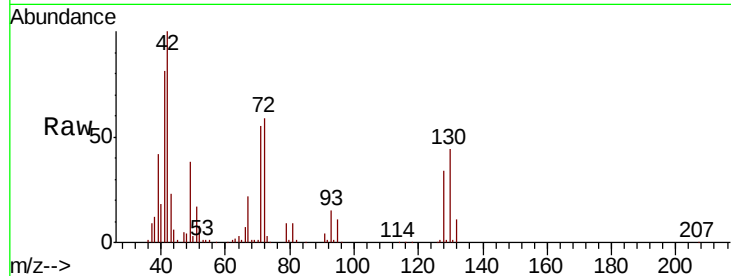
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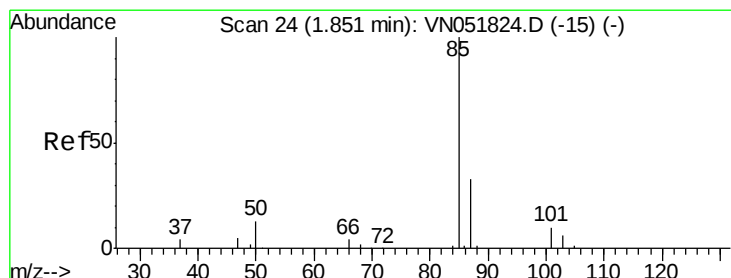
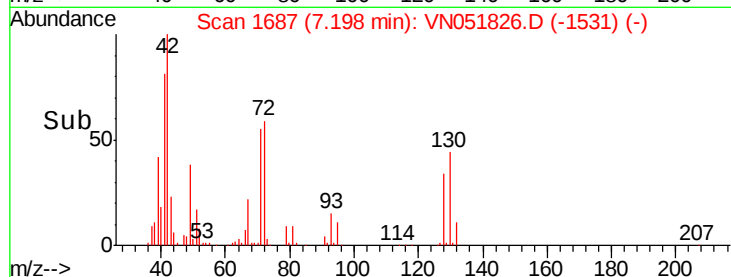
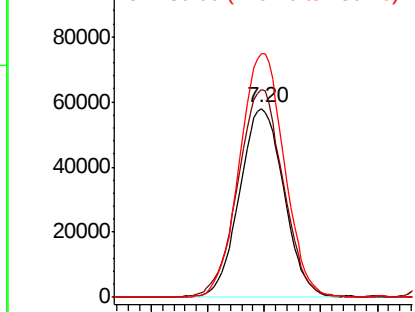
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:128 Resp: 157925
 Ion Ratio Lower Upper
 128 100
 49 112.8 0.0 403.3
 130 130.4 0.0 326.0

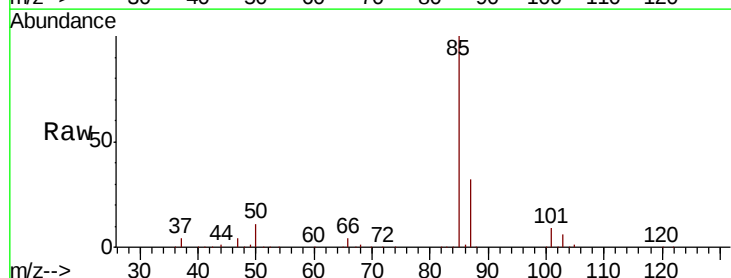


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

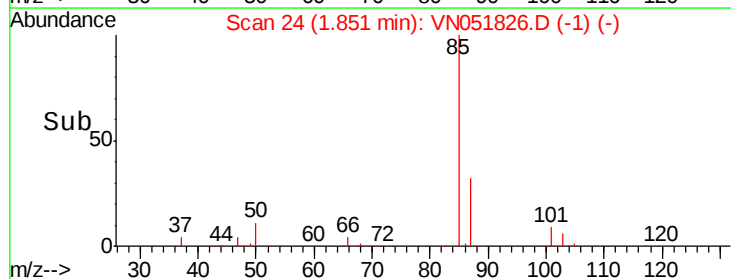
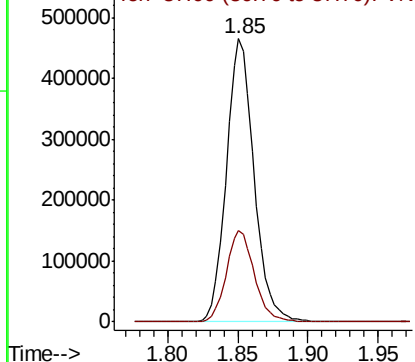


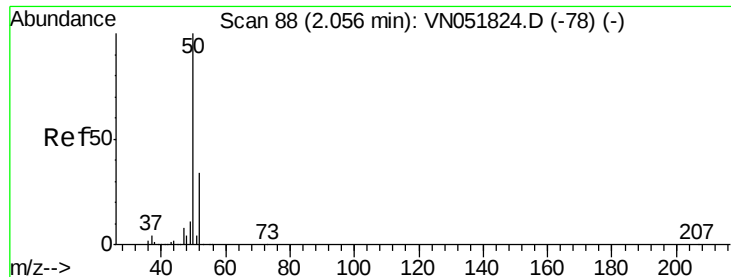
#2
 Dichlorodifluoromethane
 Concen: 103.767 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion: 85 Resp: 636654
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.3 48.8



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

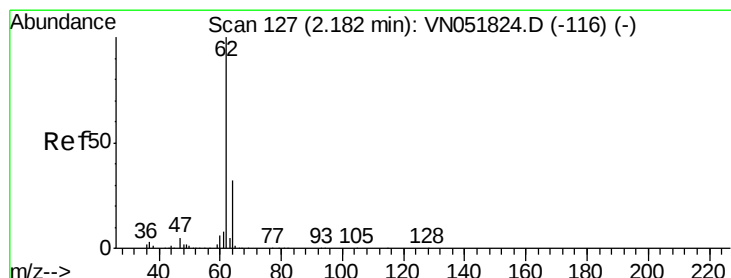
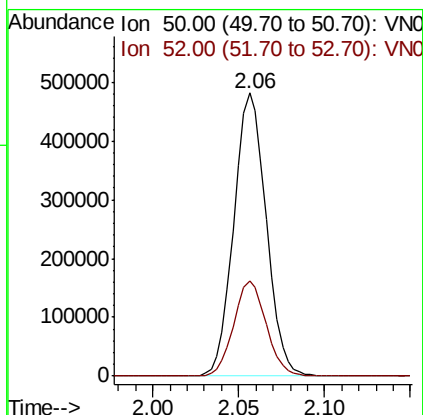
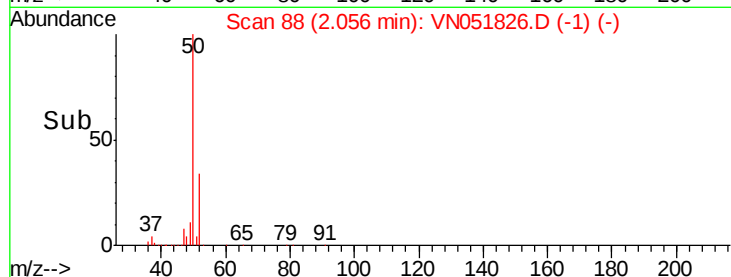
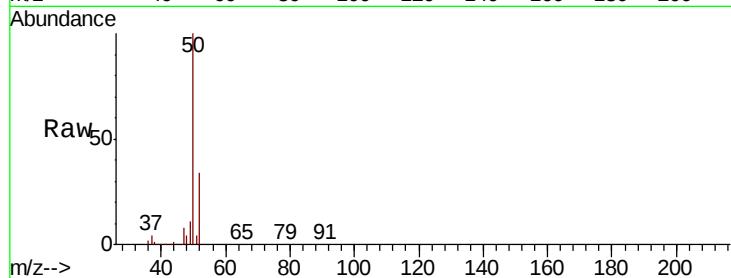




#3
Chloromethane
Concen: 97.159 ug/l
RT: 2.06 min Scan# 88
Delta R.T. -0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

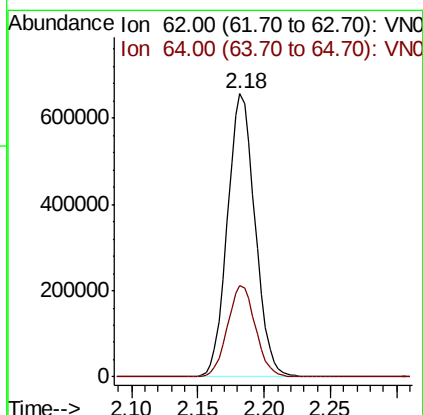
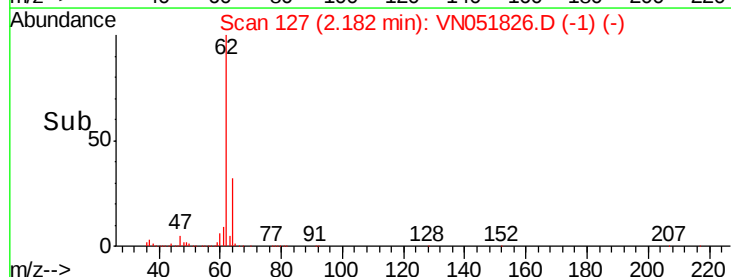
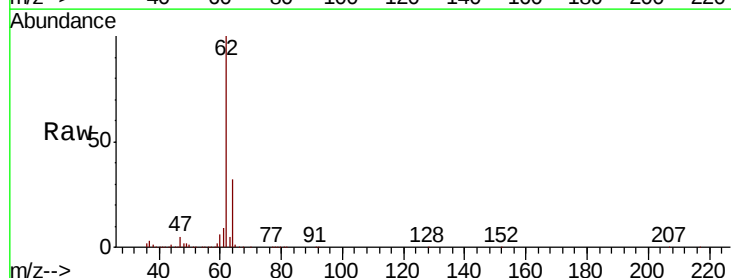
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

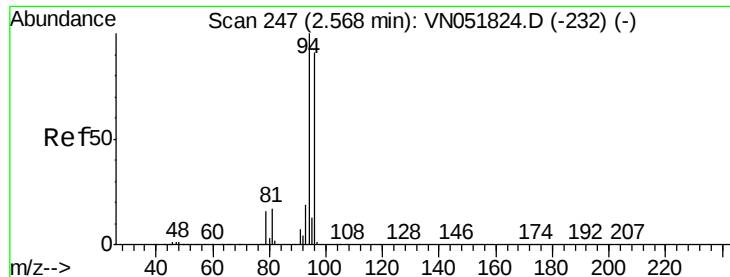
Tot Ion: 50 Resp: 630016
Ion Ratio Lower Upper
50 100
52 33.8 27.2 40.8



#4
Vinyl Chloride
Concen: 98.401 ug/l
RT: 2.18 min Scan# 127
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 62 Resp: 952858
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.2





#5

Bromomethane

Concen: 96.099 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

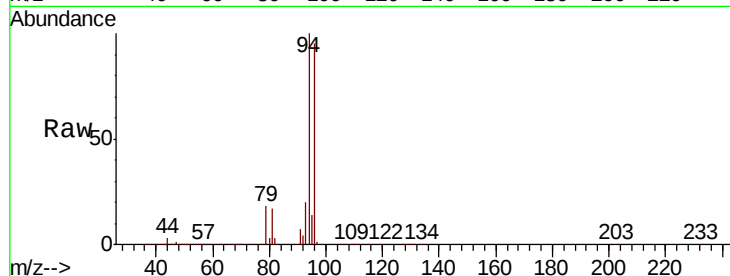
VSTDICC100

Tot Ion: 94 Resp: 822221

Ion Ratio Lower Upper

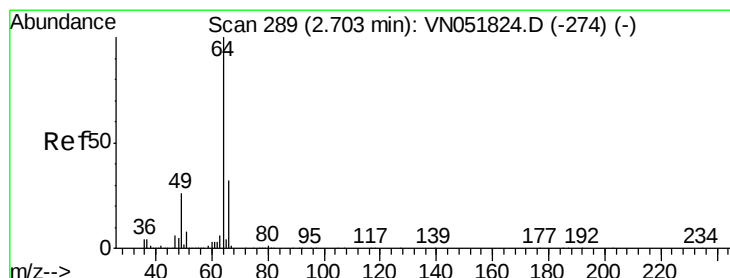
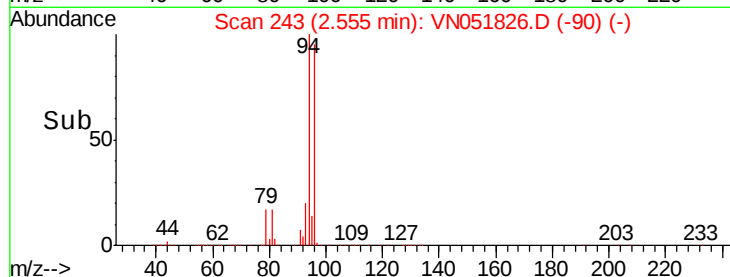
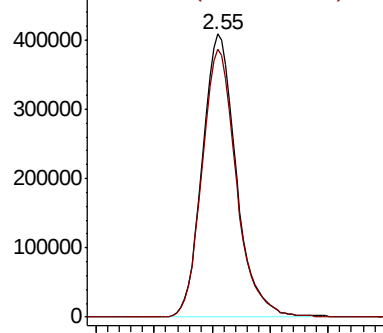
94 100

96 94.8 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: 96.397 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051826.D

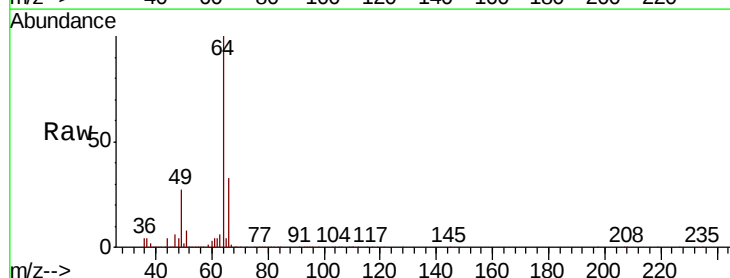
Acq: 12 Oct 2018 9:27

Tgt Ion: 64 Resp: 672725

Ion Ratio Lower Upper

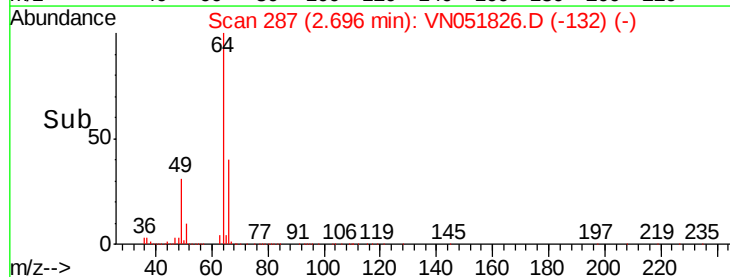
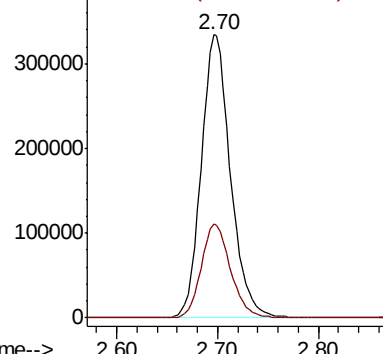
64 100

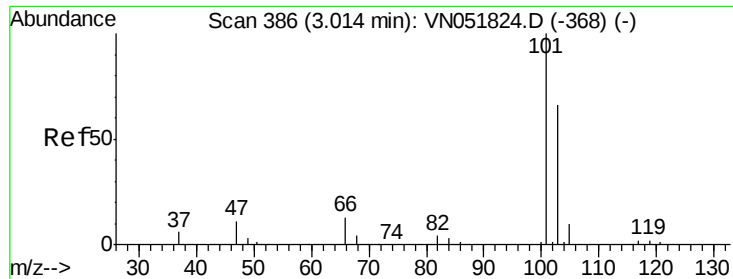
66 33.0 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



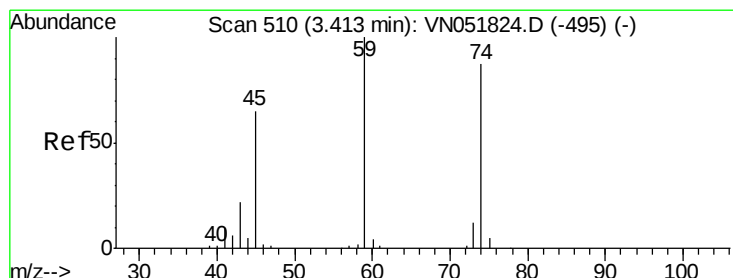
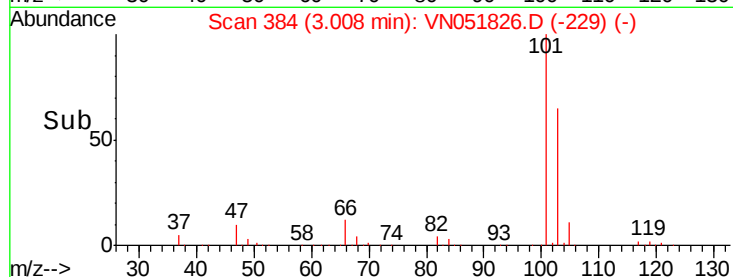
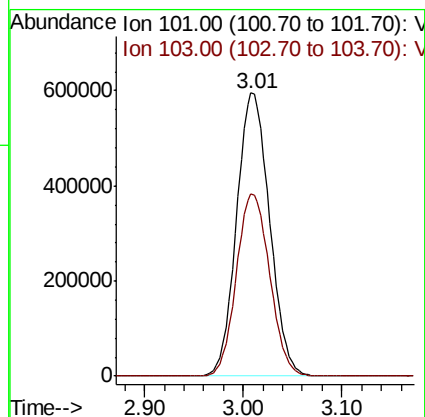
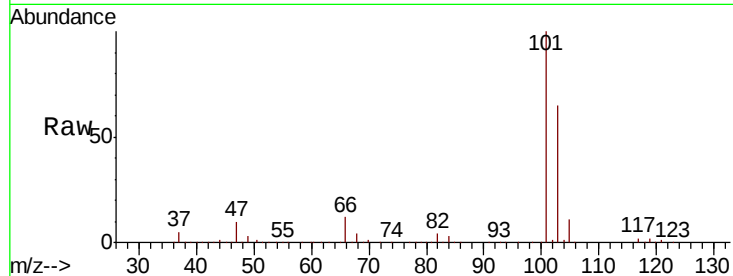


#7

Trichlorofluoromethane
Concen: 100.109 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Instrument :
MSVOA_N
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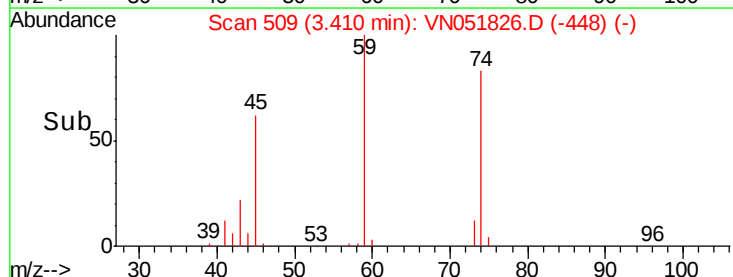
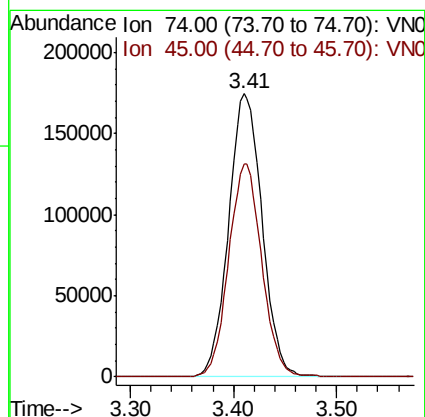
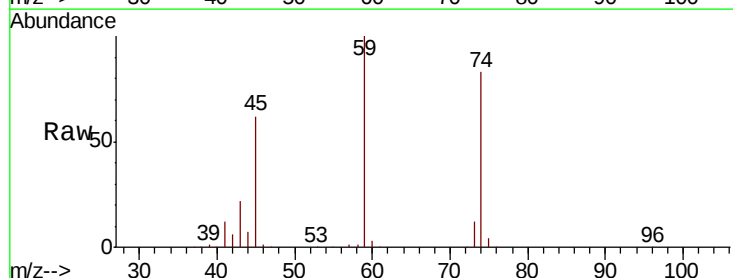
Tot Ion:101 Resp: 1382079
Ion Ratio Lower Upper
101 100
103 64.6 54.8 82.2

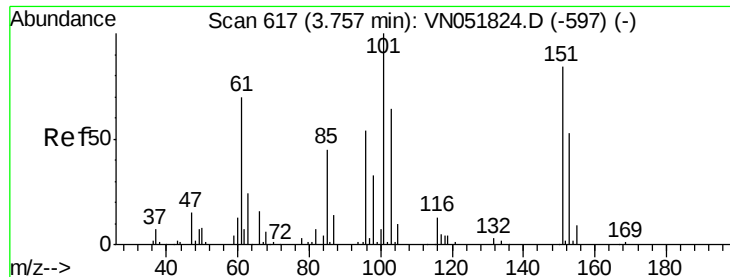


#8

Diethyl Ether
Concen: 98.183 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 74 Resp: 394599
Ion Ratio Lower Upper
74 100
45 74.3 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.884 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

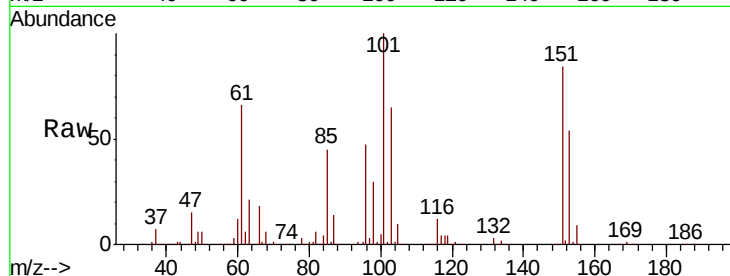
Tot Ion:101 Resp: 769583

Ion Ratio Lower Upper

101 100

85 44.1 0.0 46.0

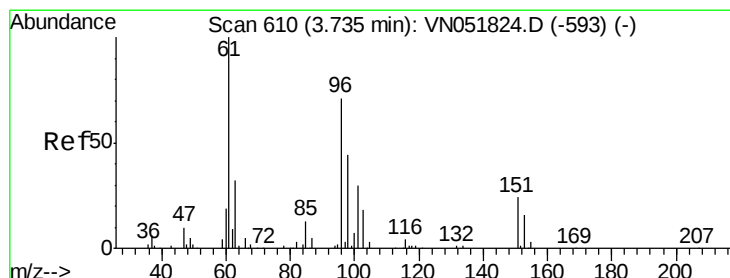
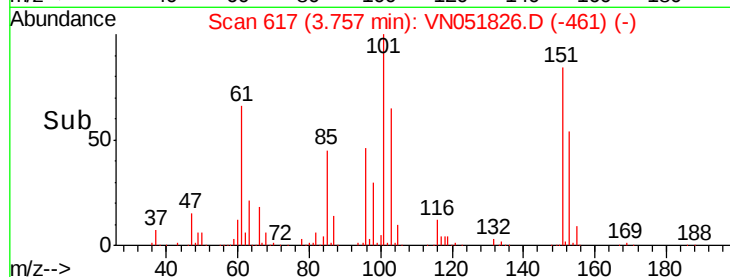
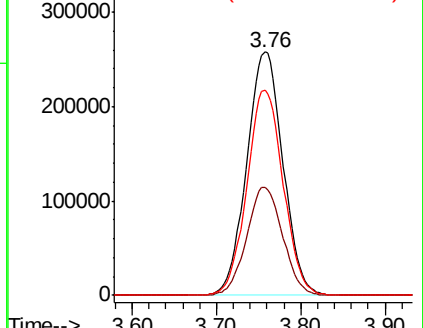
151 84.2 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 97.438 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

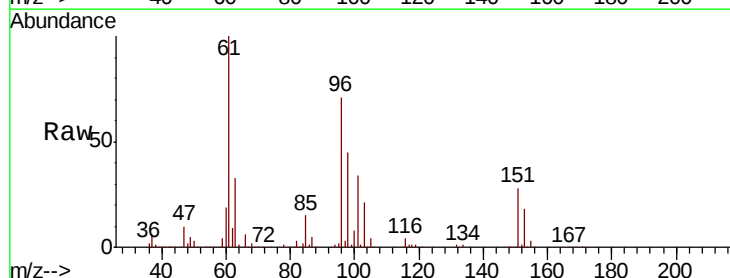
Tgt Ion: 96 Resp: 708473

Ion Ratio Lower Upper

96 100

61 140.6 133.0 199.6

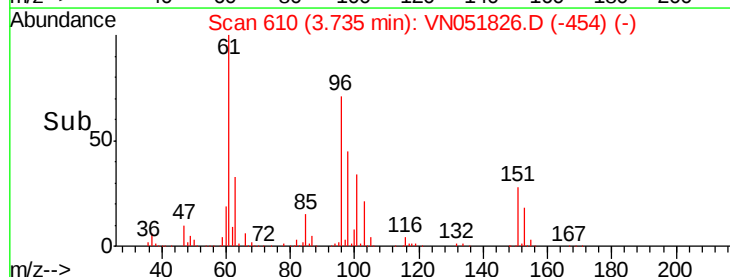
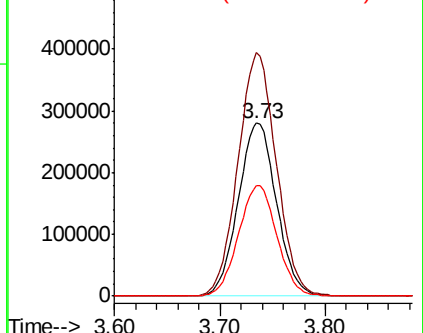
98 63.8 52.6 78.8

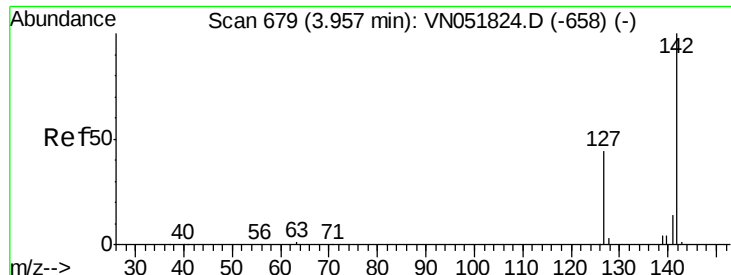


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

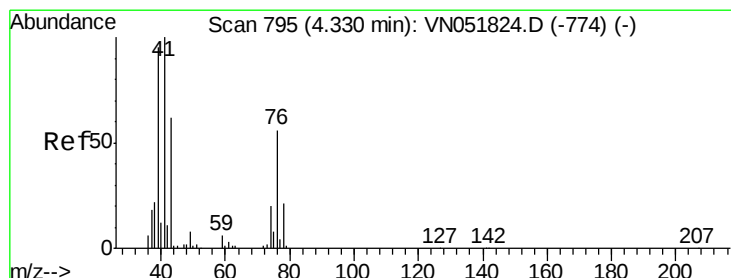
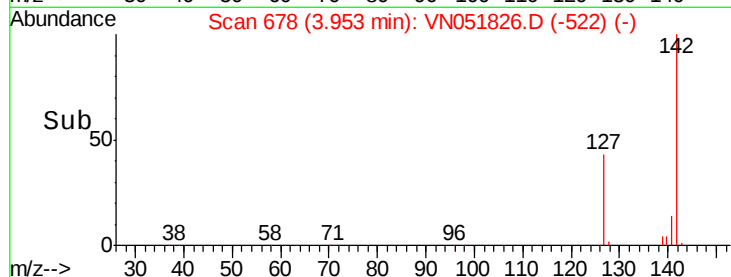
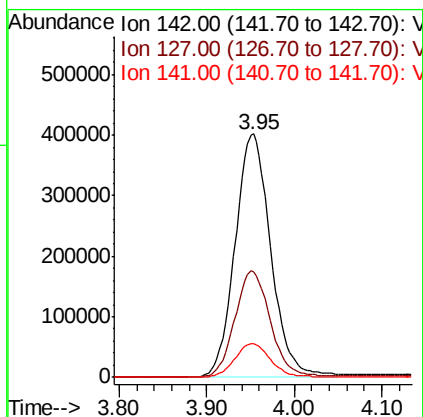
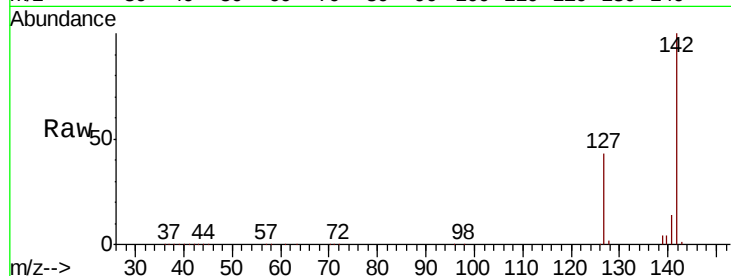




#11
Methvl Iodide
Concen: 107.774 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

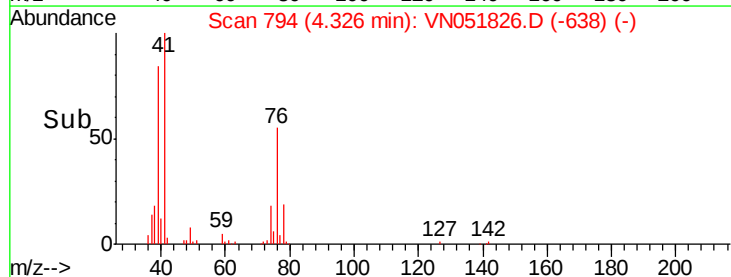
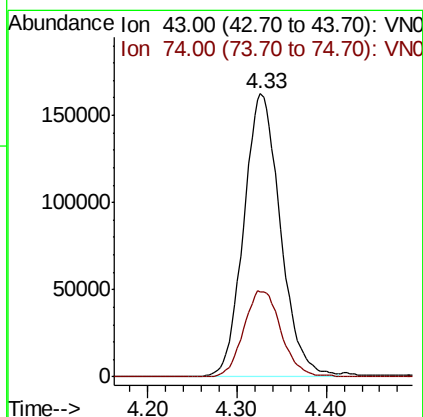
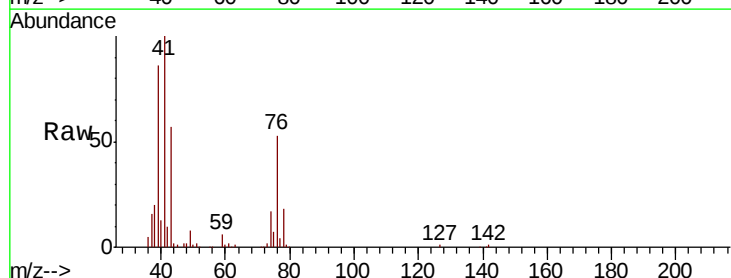
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

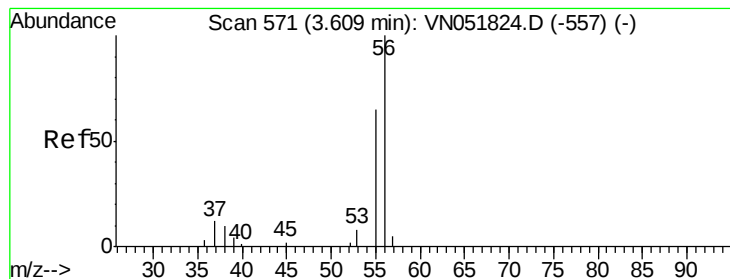
Tot Ion:142 Resp: 1139148
Ion Ratio Lower Upper
142 100
127 43.4 19.7 59.0
141 14.0 6.3 18.9



#12
Methyl Acetate
Concen: 102.220 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 43 Resp: 461530
Ion Ratio Lower Upper
43 100
74 30.2 21.8 32.6





#13

Acrolein

Concen: 481.999 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

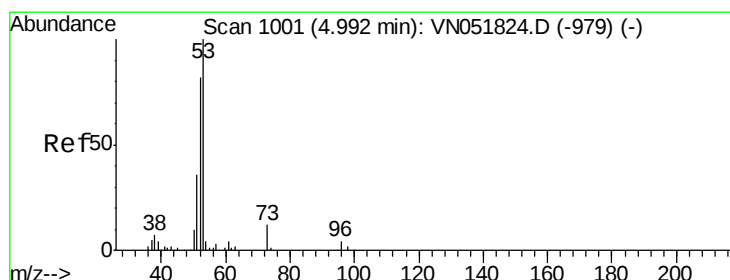
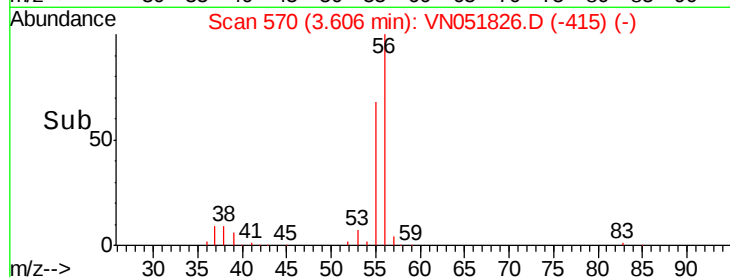
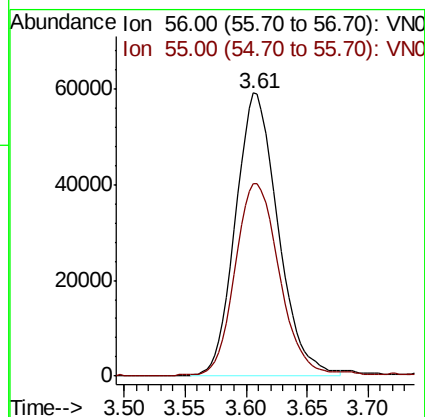
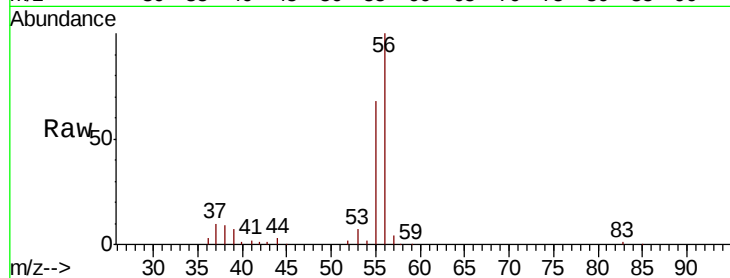
VSTDIC100

Tot Ion: 56 Resp: 143385

Ion Ratio Lower Upper

56 100

55 69.8 64.0 96.0



#14

Acrylonitrile

Concen: 515.098 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

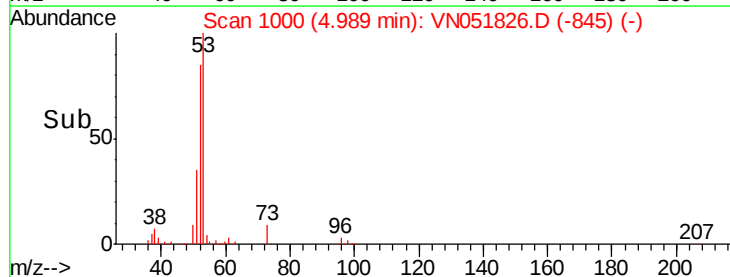
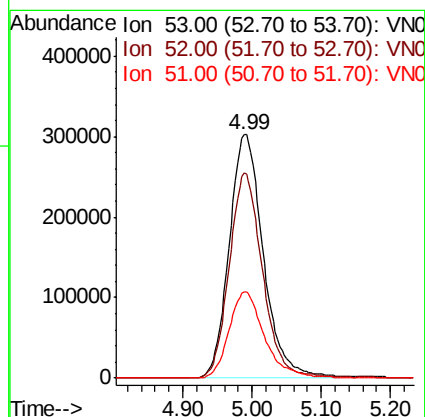
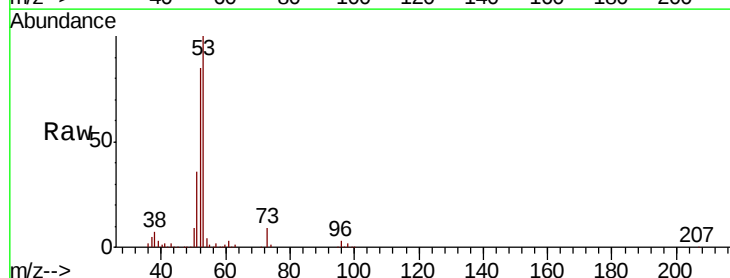
Tgt Ion: 53 Resp: 1039444

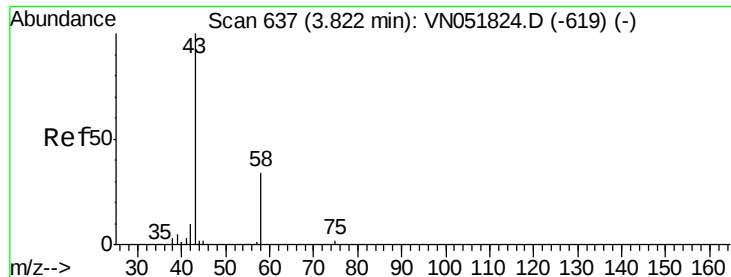
Ion Ratio Lower Upper

53 100

52 81.9 18.3 54.8#

51 36.6 19.7 59.1





#15

Acetone

Concen: 484.043 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

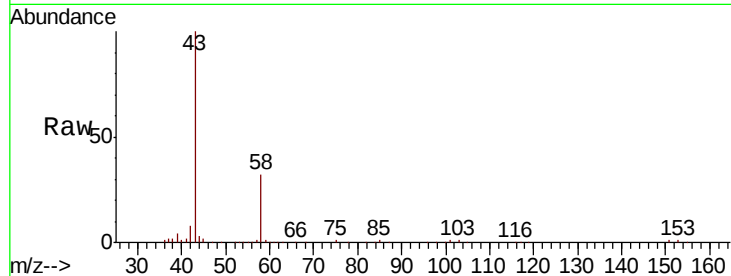
VSTDIC100

Tot Ion: 58 Resp: 241460

Ion Ratio Lower Upper

58 100

43 312.6 232.2 348.2



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

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

300000

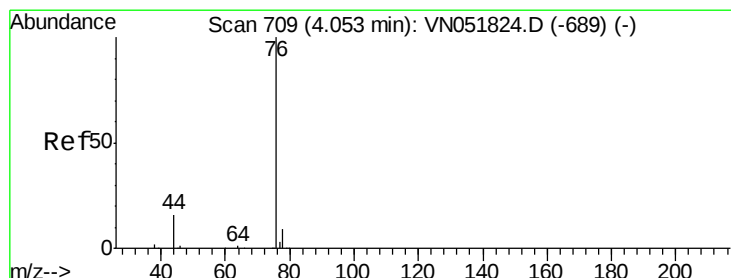
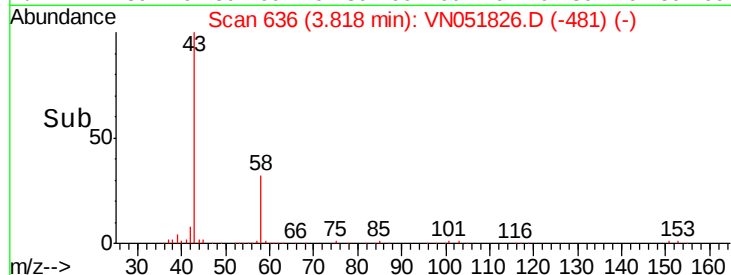
200000

100000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 102.183 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051826.D

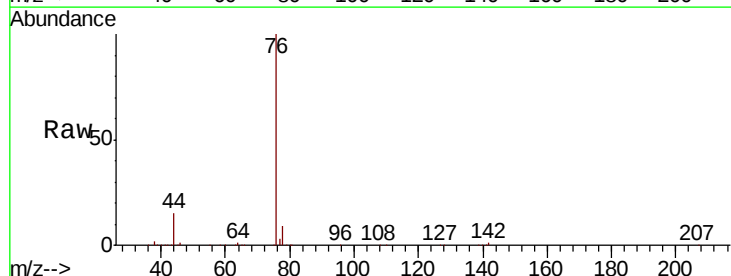
Acq: 12 Oct 2018 9:27

Tgt Ion: 76 Resp: 1951253

Ion Ratio Lower Upper

76 100

78 9.2 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) (-)

800000

600000

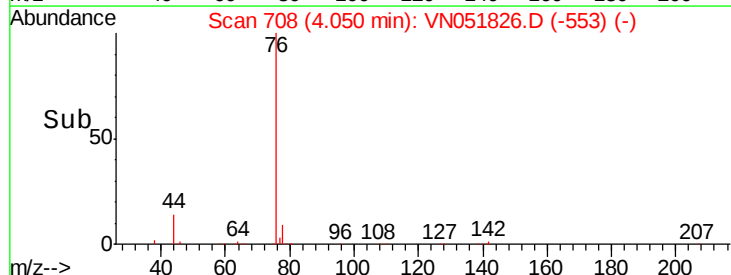
400000

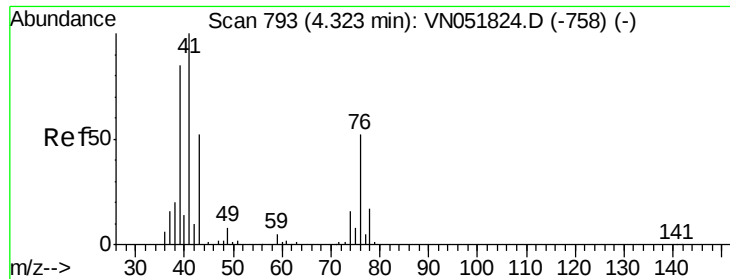
200000

0

3.90 4.00 4.10 4.20

Time-->

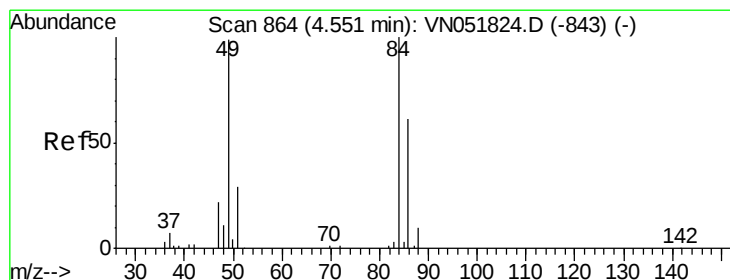
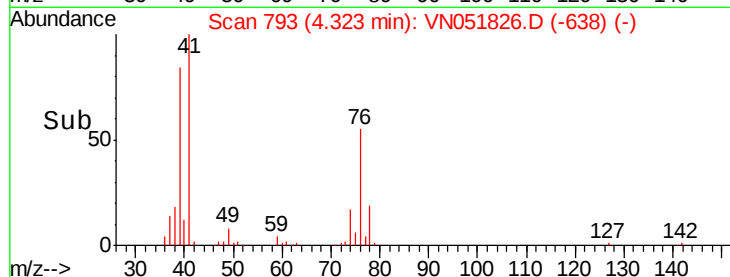
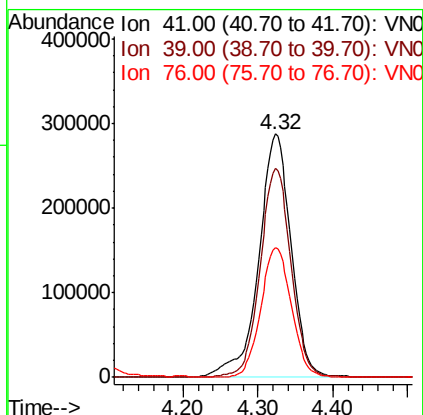
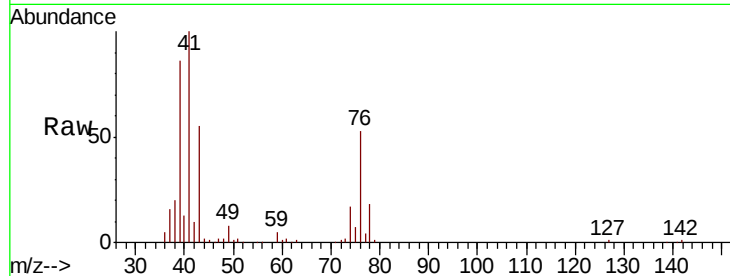




#17
Allvl chloride
Concen: 99.834 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

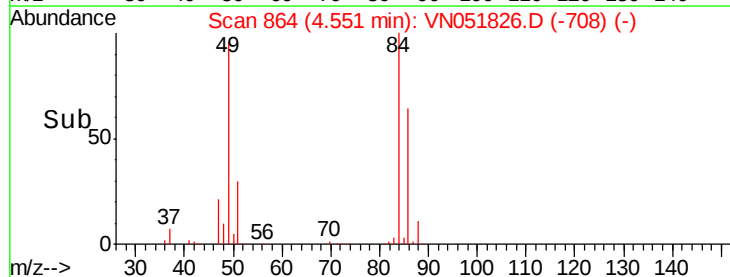
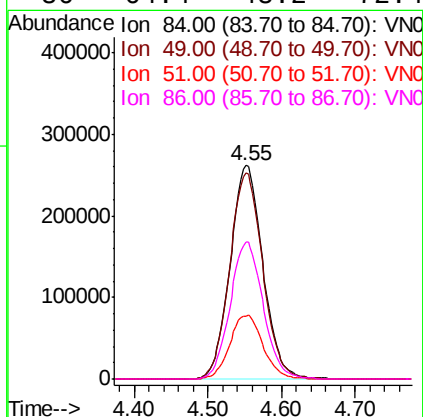
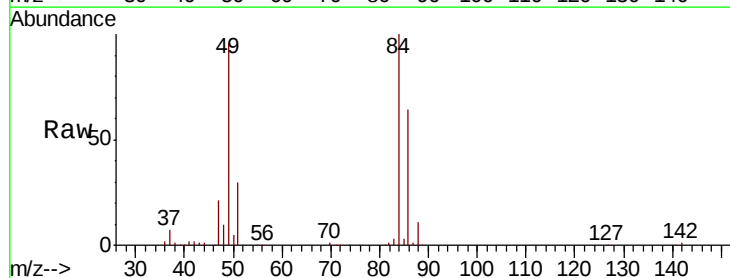
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

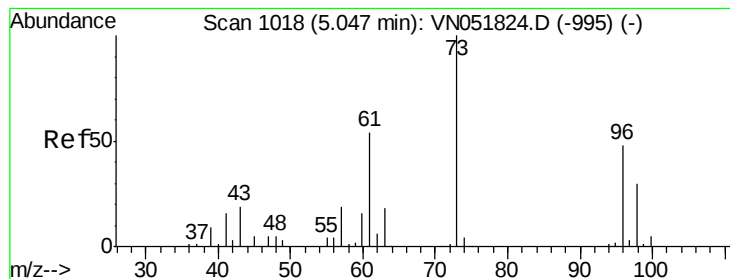
Tot Ion	Ratio	Lower	Upper
41	100		
39	85.6	32.6	97.8
76	53.2	20.2	60.5



#18
Methylene Chloride
Concen: 99.628 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	96.3	91.6	137.4
51	29.6	29.8	44.6#
86	64.4	48.2	72.4





#19

trans-1,2-Dichloroethene

Concen: 99.850 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

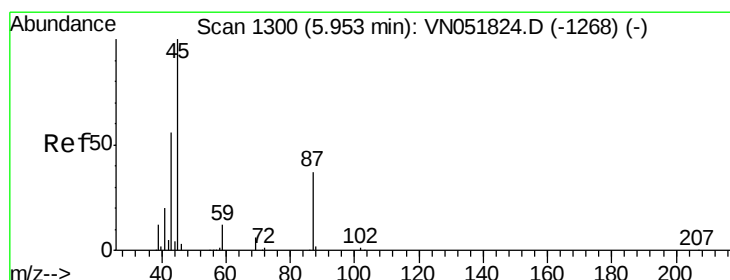
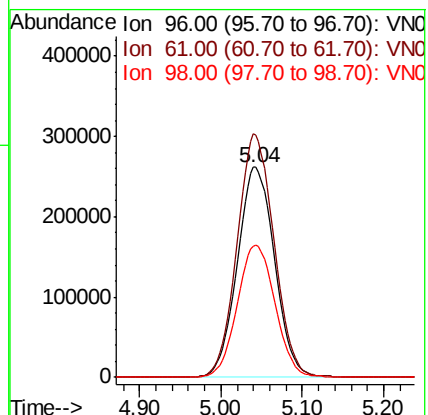
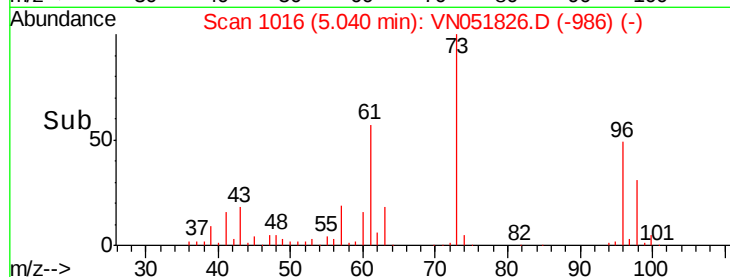
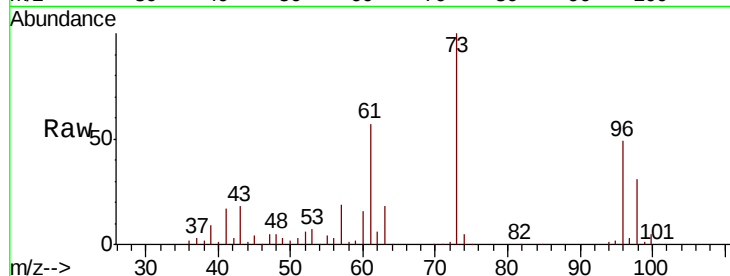
Tot Ion: 96 Resp: 828993

Ion Ratio Lower Upper

96 100

61 115.9 112.3 168.5

98 62.7 47.1 70.7



#20

Diisopropyl ether

Concen: 98.100 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Tgt Ion: 45 Resp: 1886025

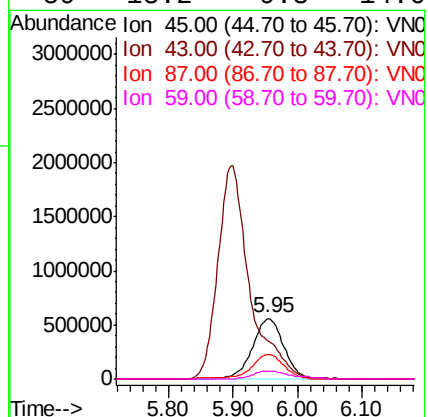
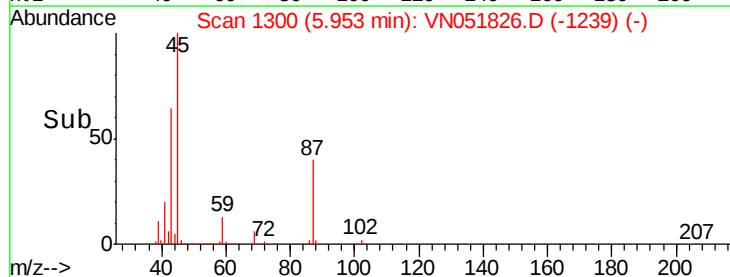
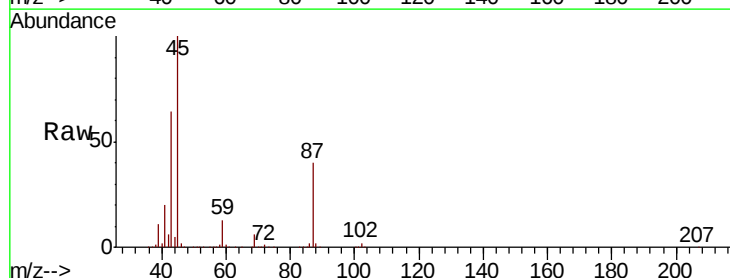
Ion Ratio Lower Upper

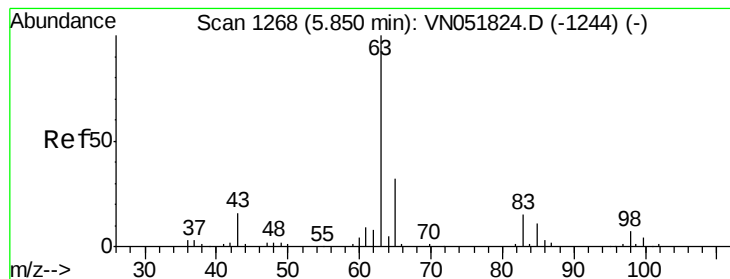
45 100

43 62.5 62.1 93.1

87 39.7 19.9 29.9#

59 13.2 9.8 14.6





#21

1,1-Dichloroethane

Concen: 98.251 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

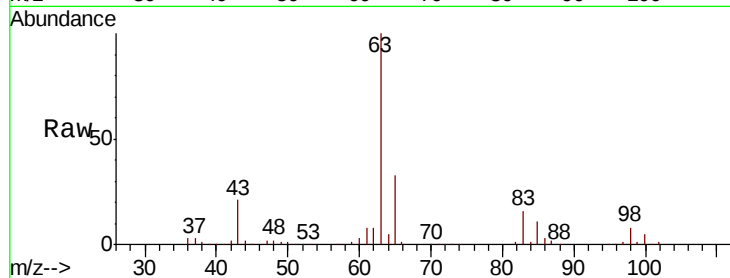
Tot Ion: 63 Resp: 1319861

Ion Ratio Lower Upper

63 100

98 7.9 4.1 12.3

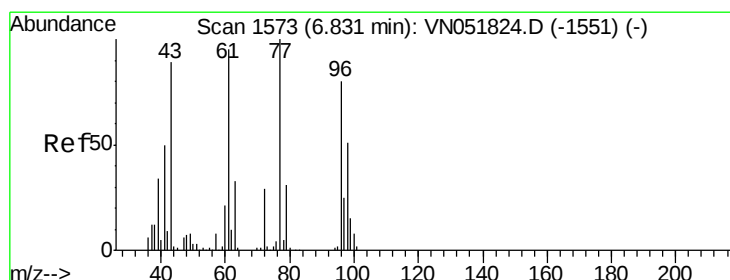
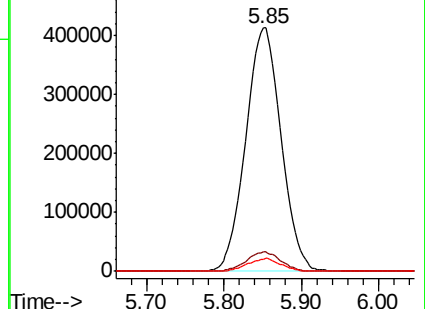
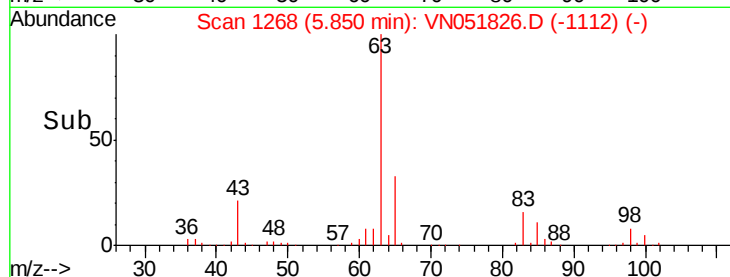
100 5.1 1.6 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN051826.D (-1112) (-)

Ion 98.00 (97.70 to 98.70): VN051826.D (-1112) (-)

Ion 100.00 (99.70 to 100.70): VN051826.D (-1112) (-)



#22

cis-1,2-Dichloroethene

Concen: 99.454 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

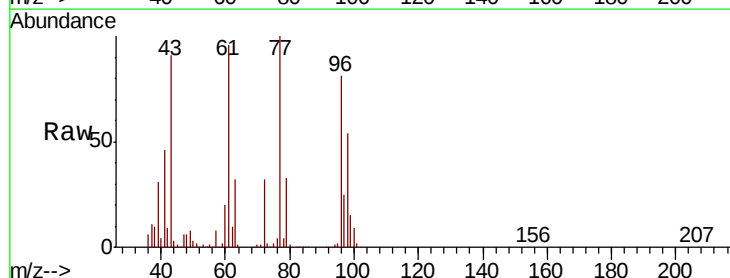
Tgt Ion: 96 Resp: 969850

Ion Ratio Lower Upper

96 100

61 121.4 124.5 186.7#

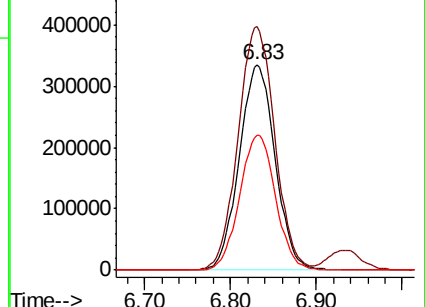
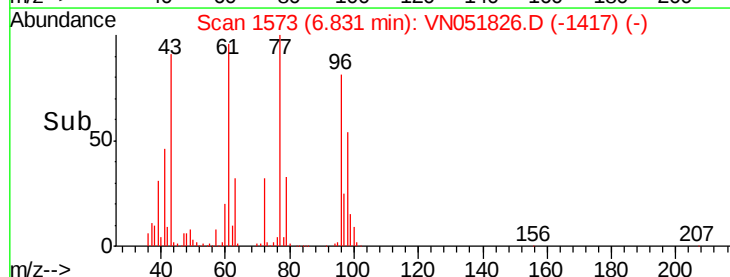
98 65.8 51.9 77.9

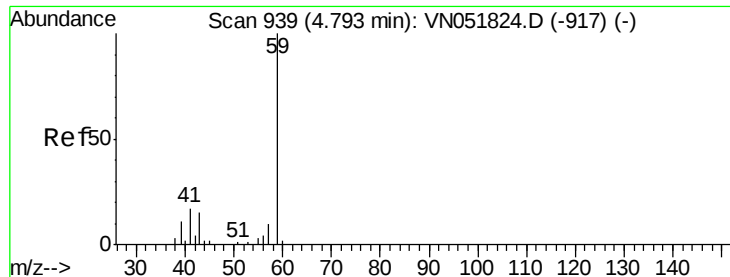


Abundance Ion 96.00 (95.70 to 96.70): VN051826.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051826.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051826.D (-1417) (-)



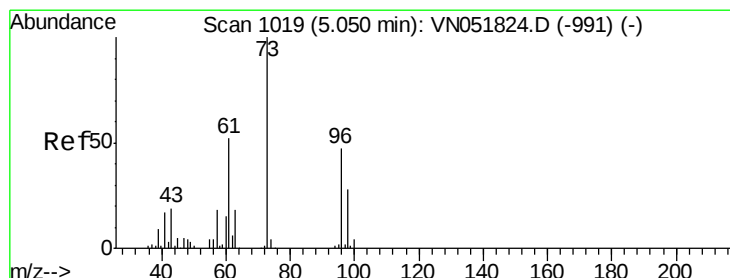
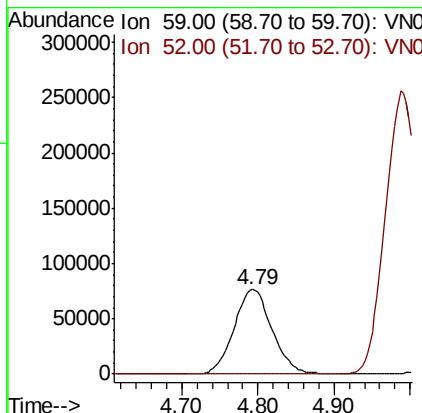
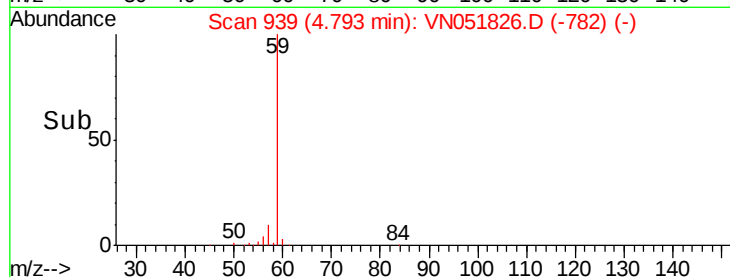
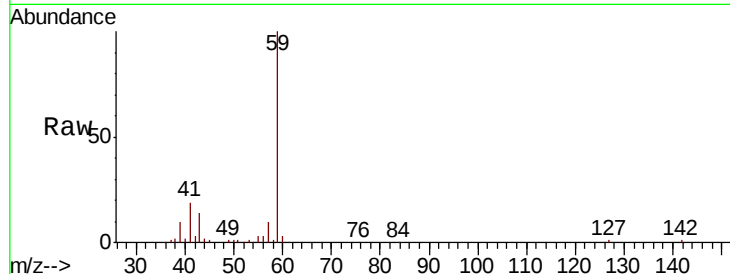


#23

tert-Butyl Alcohol
Concen: 501.508 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

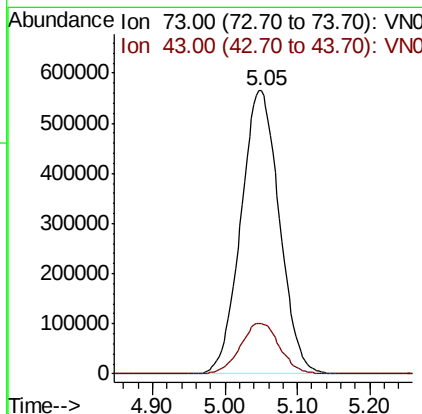
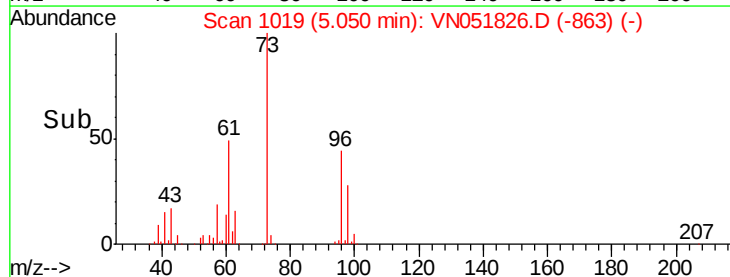
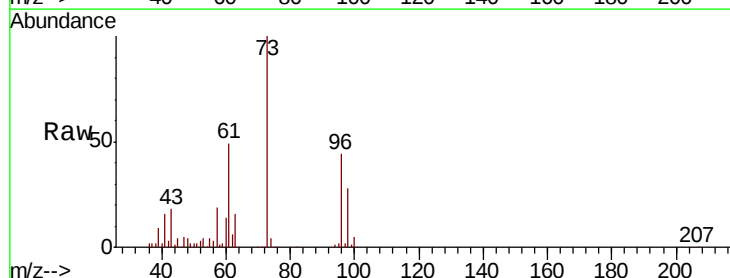
Tot Ion: 59 Resp: 266534
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

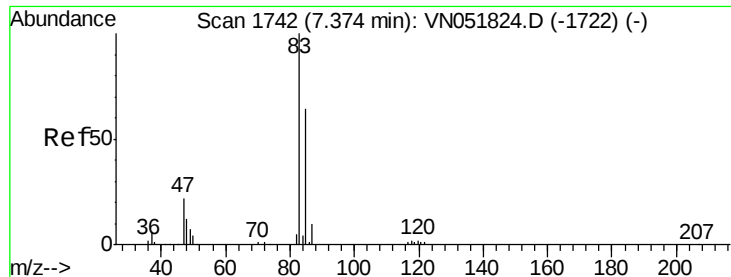


#24

Methyl tert-Butyl Ether
Concen: 99.447 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 73 Resp: 2083263
Ion Ratio Lower Upper
73 100
43 18.1 5.4 8.0#





#25

Chloroform

Concen: 99.224 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

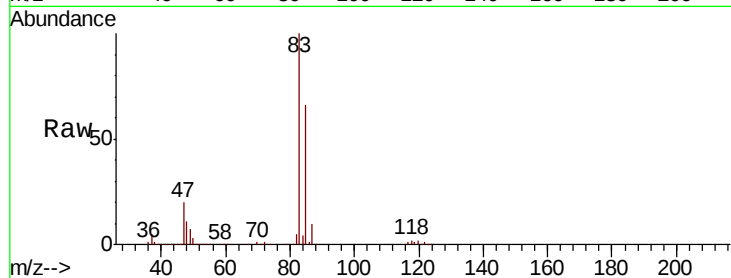
VSTDIC100

Tot Ion: 83 Resp: 1581346

Ion Ratio Lower Upper

83 100

85 65.9 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.37

600000

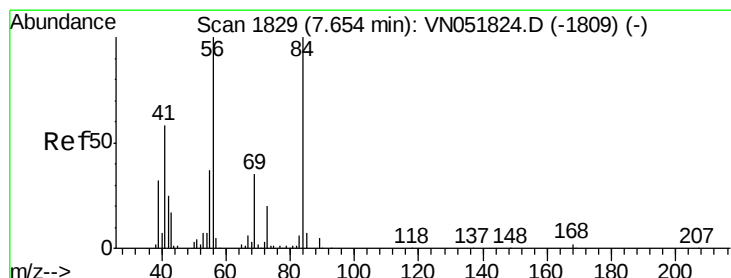
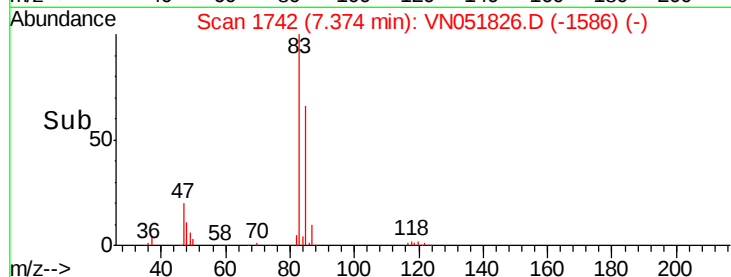
400000

200000

0

Time-->

7.30 7.40 7.50



#26

Cyclohexane

Concen: 97.589 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

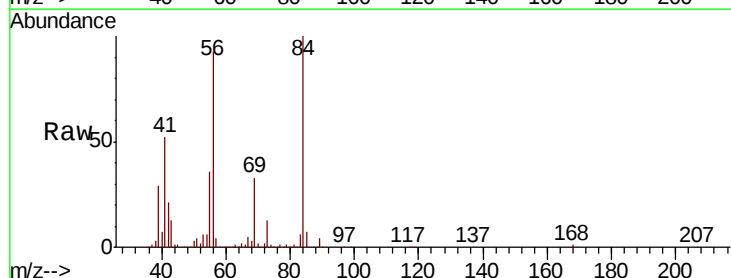
Tgt Ion: 56 Resp: 1111424

Ion Ratio Lower Upper

56 100

89 4.4 1.5 2.3#

84 107.4 64.2 96.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

800000

600000

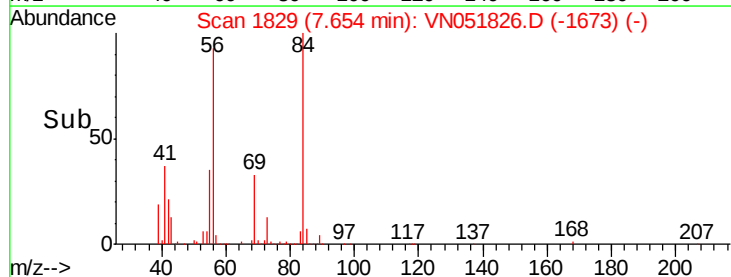
400000

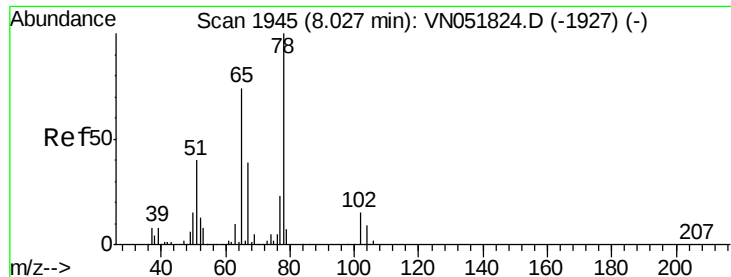
200000

0

Time-->

7.55 7.60 7.65 7.70 7.75





#27

1,2-Dichloroethane-d4

Concen: 97.589 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

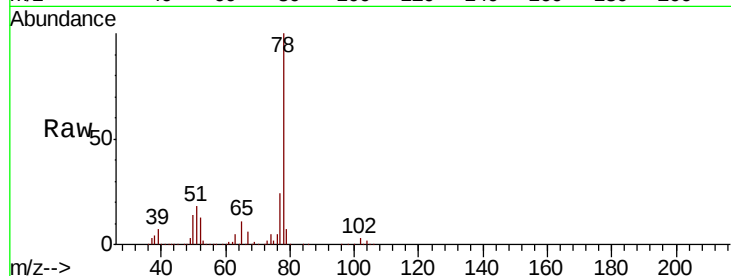
VSTDIC100

Tot Ion: 65 Resp: 279475

Ion Ratio Lower Upper

65 100

67 51.3 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051826.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN051826.D (-1789) (-)

8.03

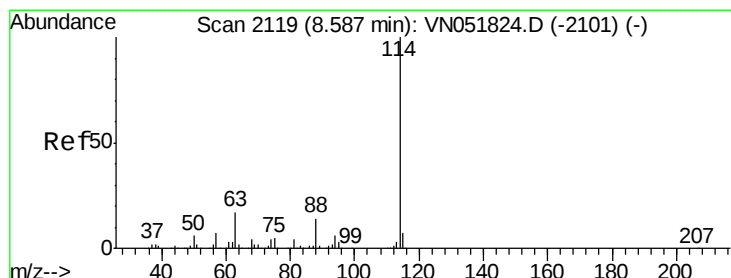
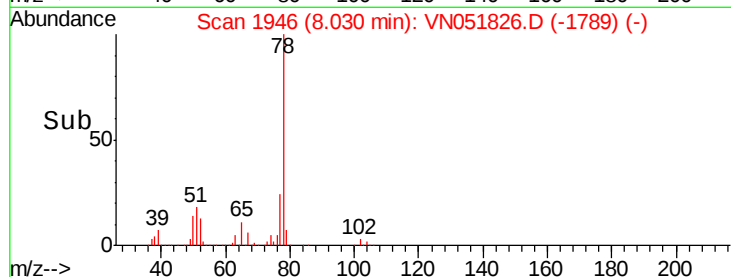
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Tgt Ion: 114 Resp: 881797

Ion Ratio Lower Upper

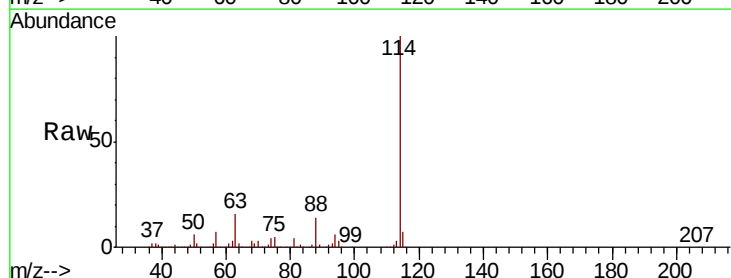
114 100

63 16.2

16.2 24.2

88 14.2

12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051826.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051826.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051826.D (-1963) (-)

8.59

500000

400000

300000

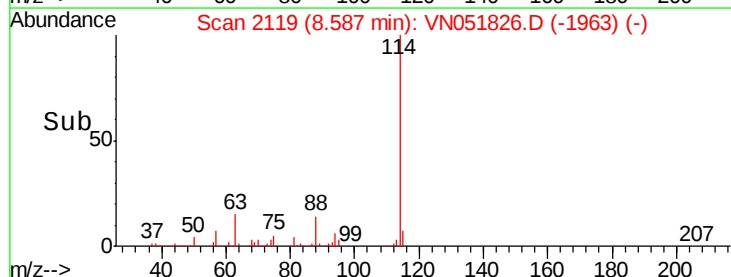
200000

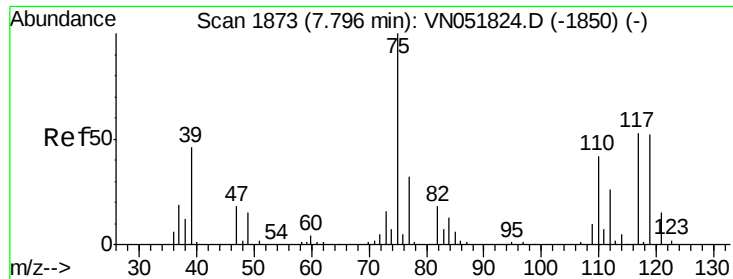
100000

0

8.50 8.60 8.70

Time-->

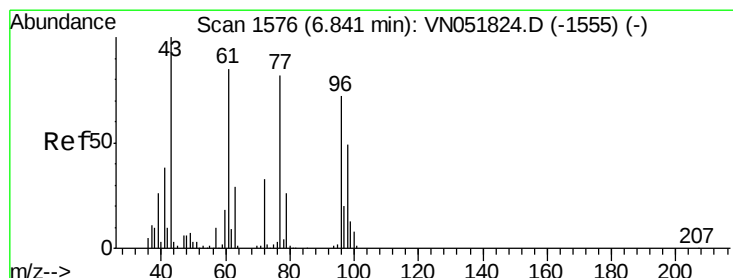
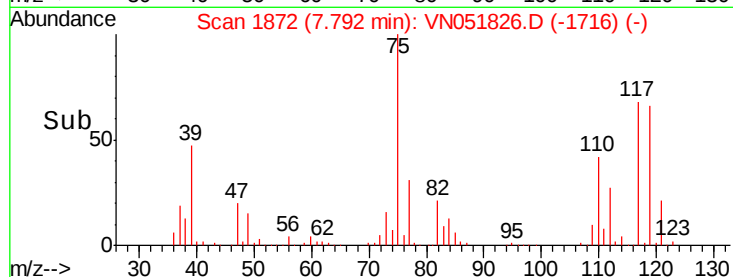
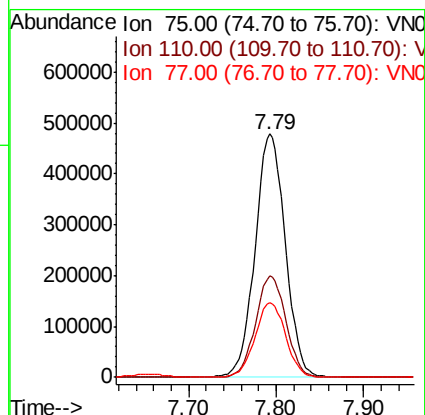
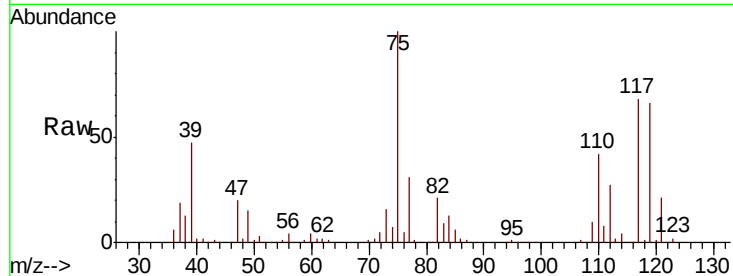




#29
 1,1-Dichloropropene
 Concen: 100.693 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

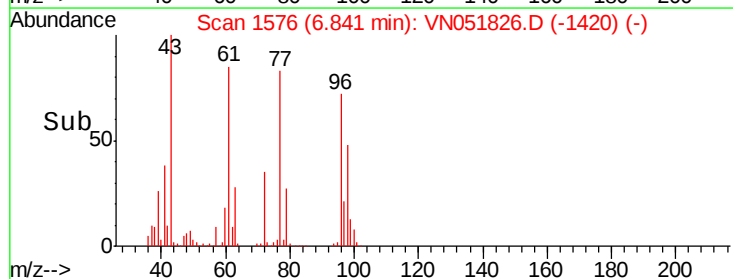
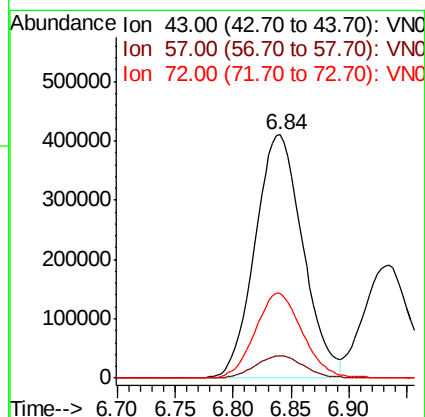
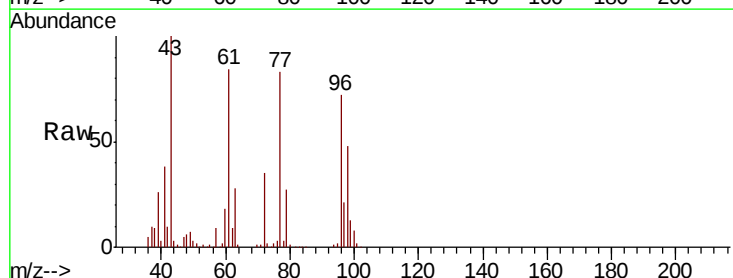
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

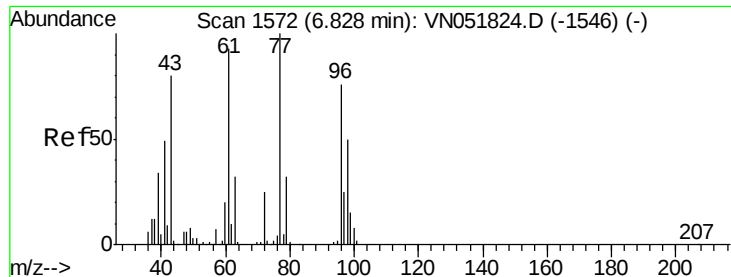
Tot Ion: 75 Resp: 1144525
 Ion Ratio Lower Upper
 75 100
 110 41.8 0.0 70.8
 77 31.3 0.0 61.6



#30
 2-Butanone
 Concen: 494.791 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion: 43 Resp: 1175486
 Ion Ratio Lower Upper
 43 100
 57 9.4 4.5 6.7#
 72 35.0 21.5 32.3#





#31

2,2-Dichloropropane

Concen: 99.647 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampled :

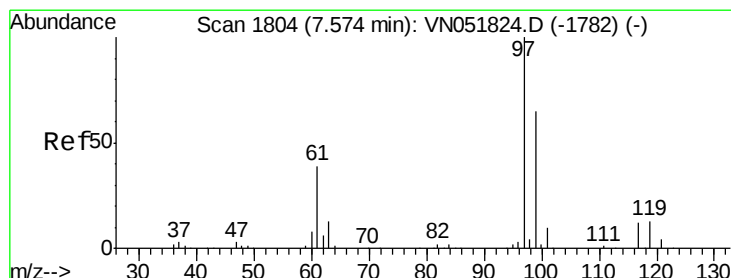
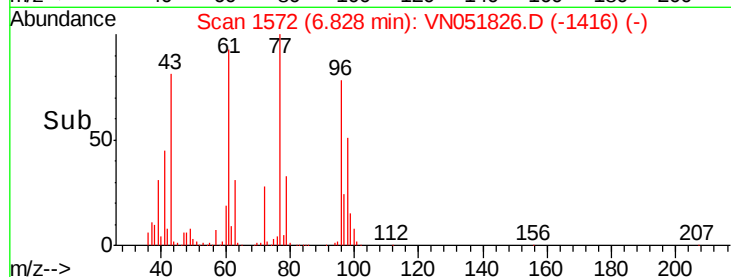
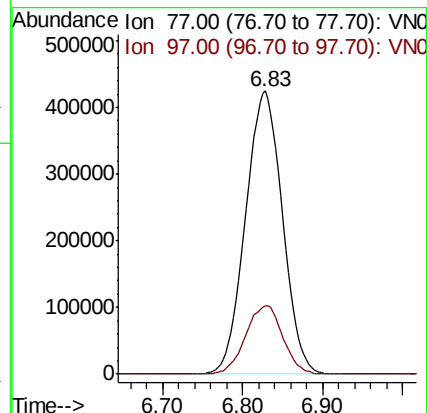
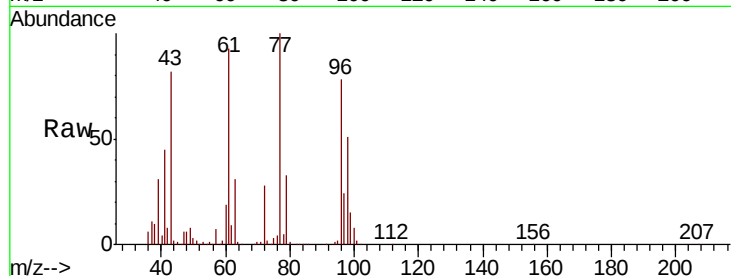
VSTDIC100

Tot Ion: 77 Resp: 1332408

Ion Ratio Lower Upper

77 100

97 24.4 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 101.085 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

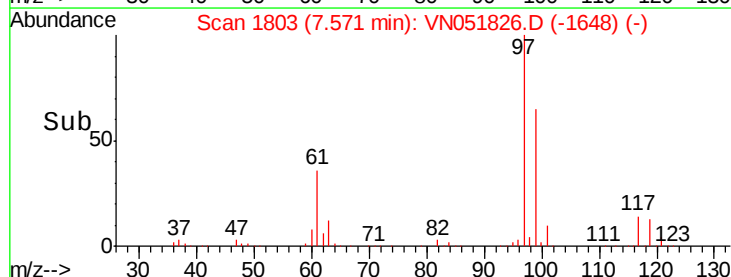
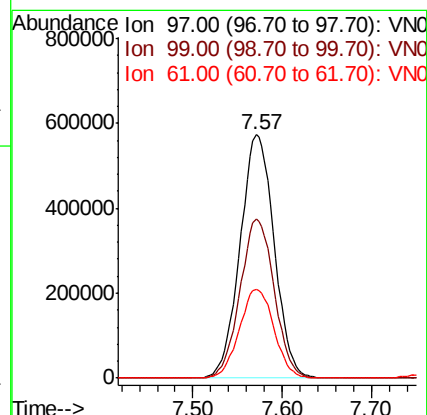
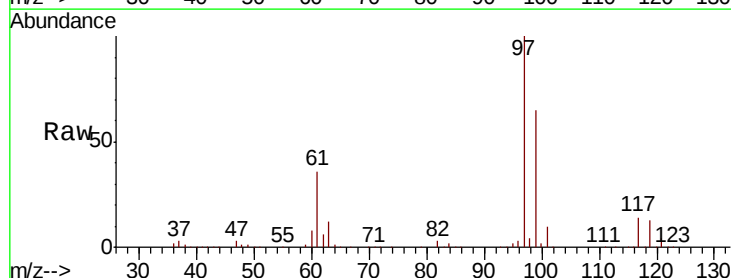
Tgt Ion: 97 Resp: 1523300

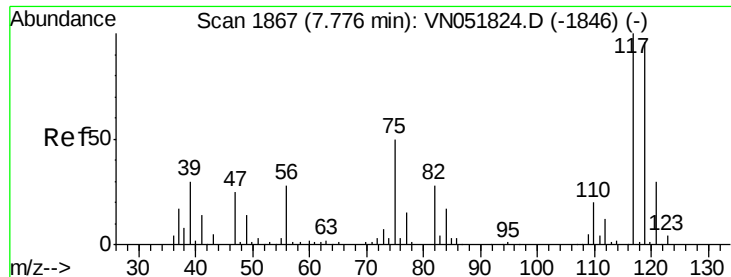
Ion Ratio Lower Upper

97 100

99 65.4 51.6 77.4

61 37.1 37.4 56.0#





#33

Carbon Tetrachloride

Concen: 102.599 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

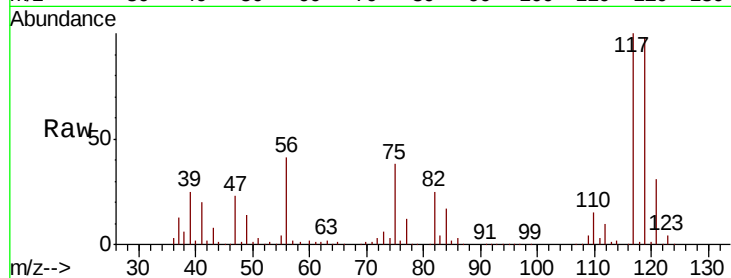
Tot Ion:117 Resp: 1398827

Ion Ratio Lower Upper

117 100

119 98.3 85.1 127.7

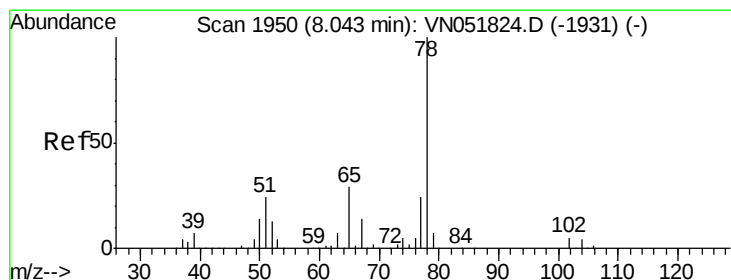
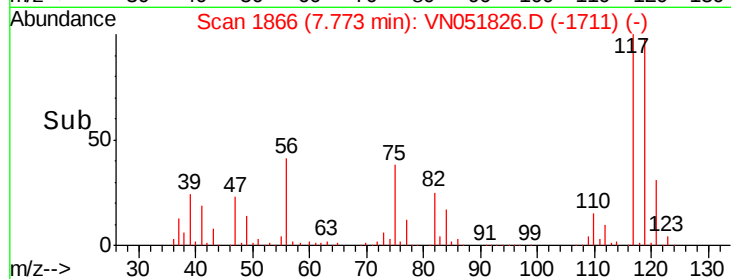
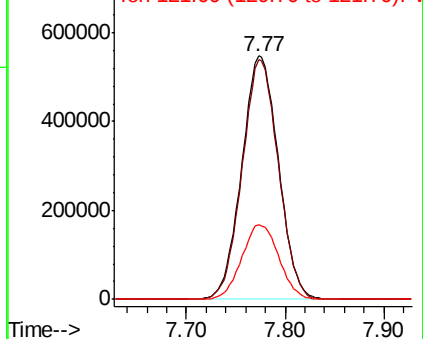
121 30.8 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 100.759 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

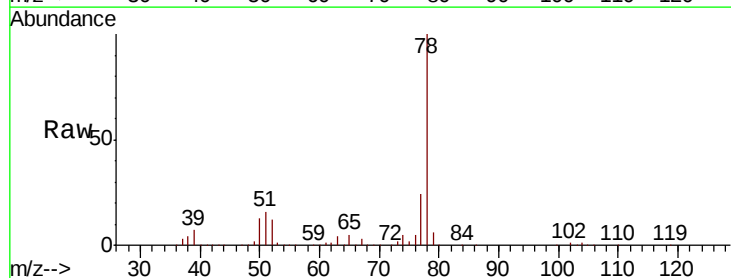
Tgt Ion: 78 Resp: 3387691

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2

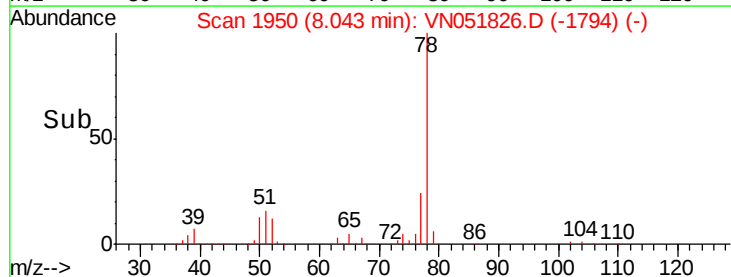
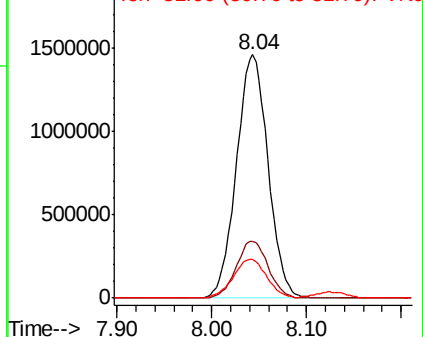
51 15.8 46.2 69.4#

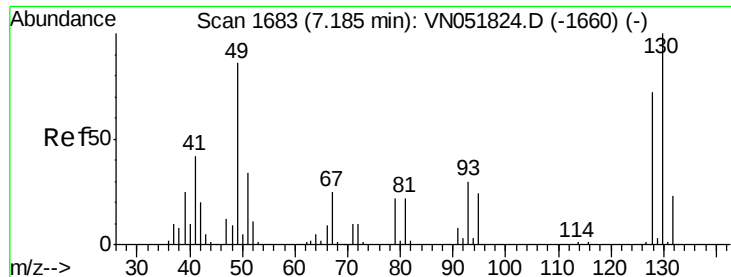


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

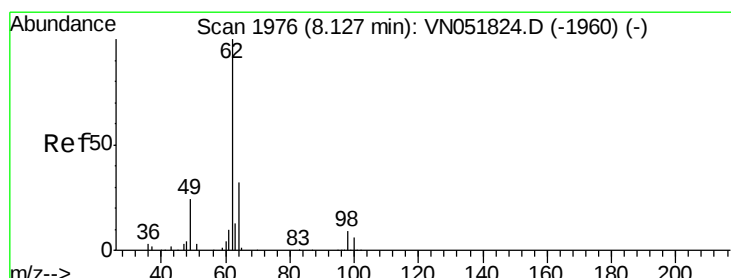
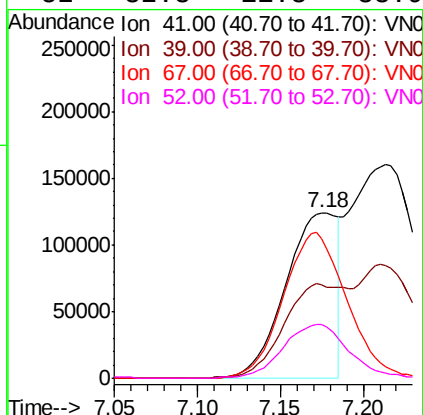
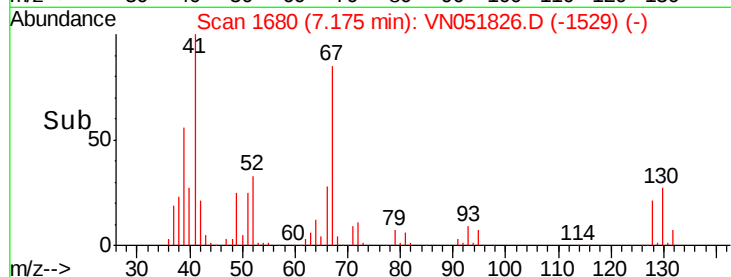
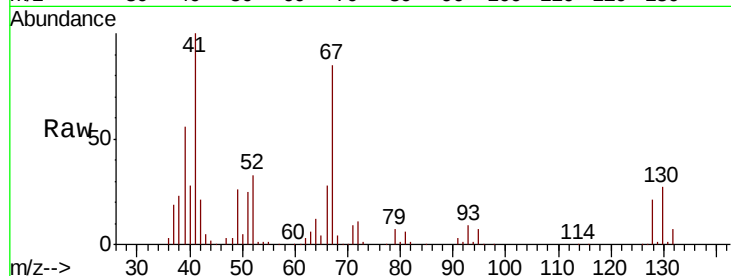




#35
Methacrylonitrile
Concen: 86.175 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

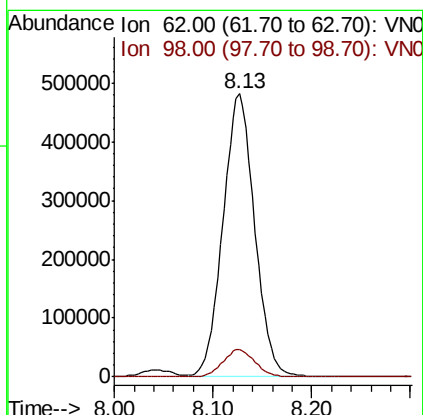
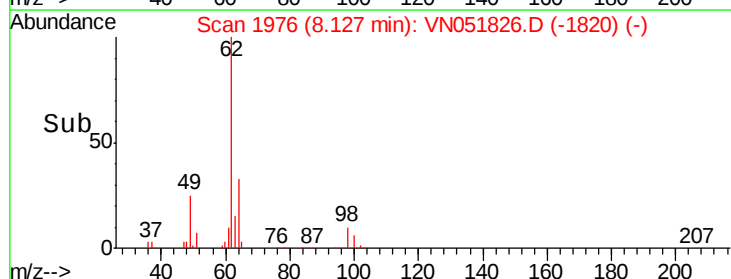
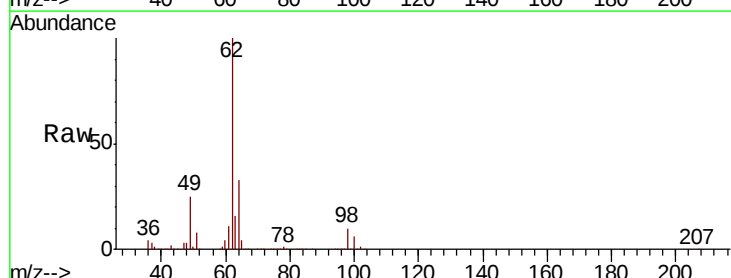
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

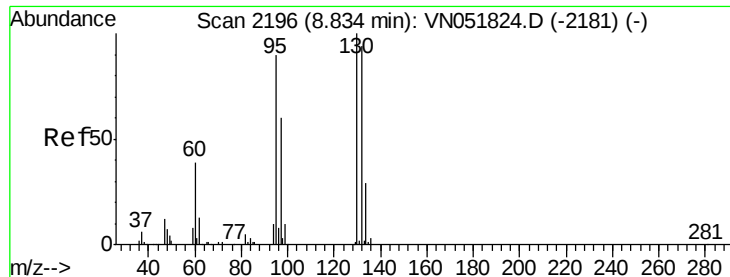
Tot Ion: 41 Resp: 268976
Ion Ratio Lower Upper
41 100
39 56.4 22.6 67.7
67 84.8 28.9 86.8
52 32.3 11.3 33.9



#36
1,2-Dichloroethane
Concen: 99.953 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 62 Resp: 1076800
Ion Ratio Lower Upper
62 100
98 9.9 6.9 10.3





#37

Trichloroethene

Concen: 100.963 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

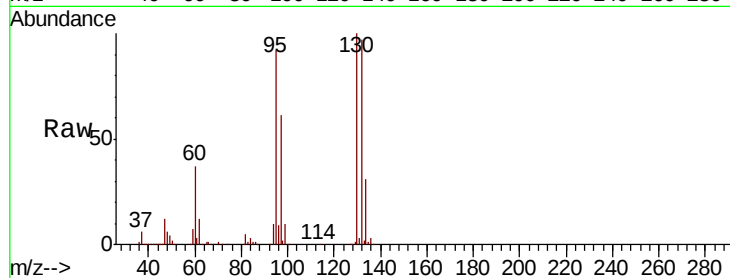
VSTDIC100

Tot Ion:130 Resp: 1053758

Ion Ratio Lower Upper

130 100

95 91.8 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

500000

400000

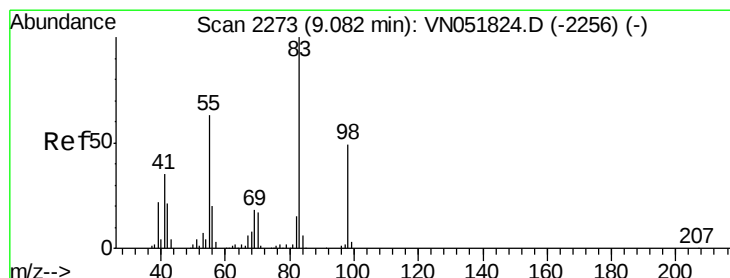
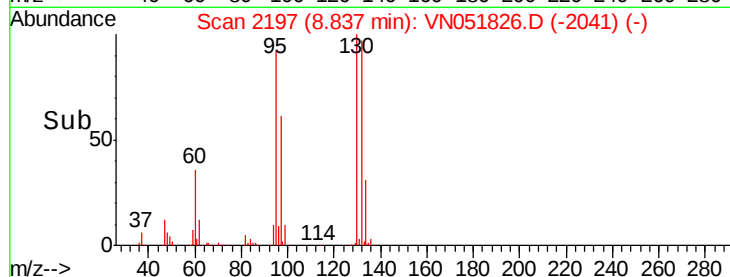
300000

200000

100000

0

Time-->



#38

Methylcyclohexane

Concen: 99.991 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

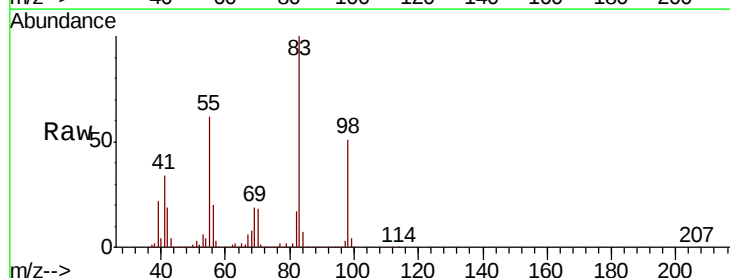
Tgt Ion: 83 Resp: 1457733

Ion Ratio Lower Upper

83 100

55 61.3 43.0 129.2

98 49.7 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

800000

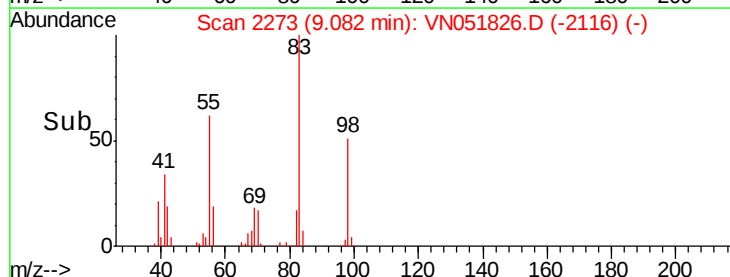
600000

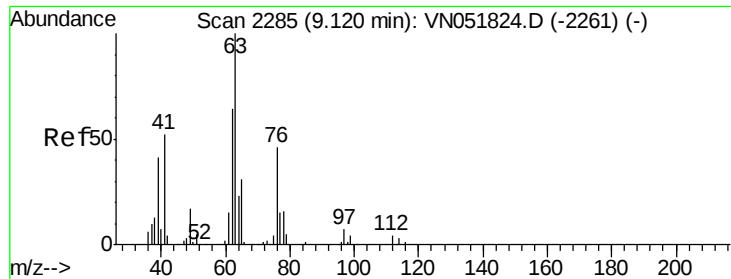
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 98.126 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

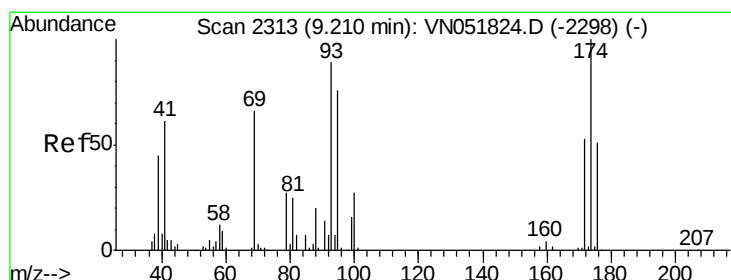
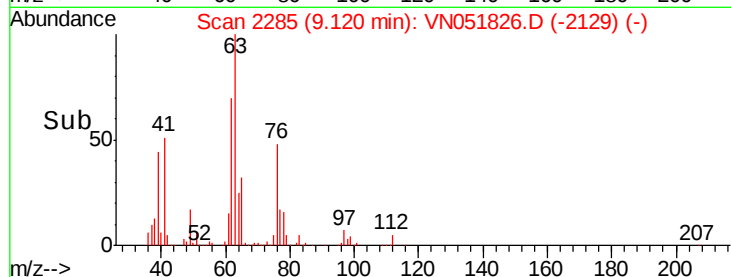
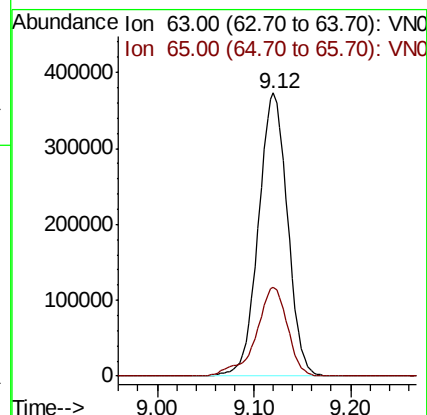
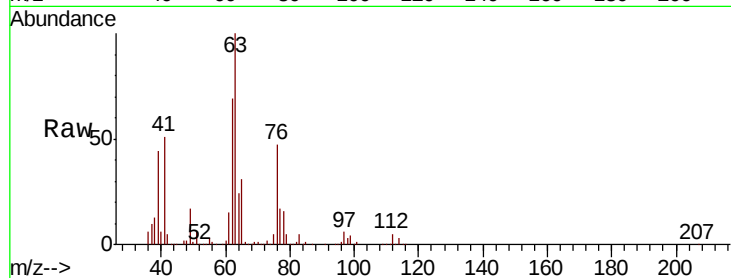
VSTDIC100

Tot Ion: 63 Resp: 776959

Ion Ratio Lower Upper

63 100

65 31.5 23.2 34.8



#40

Dibromomethane

Concen: 101.476 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

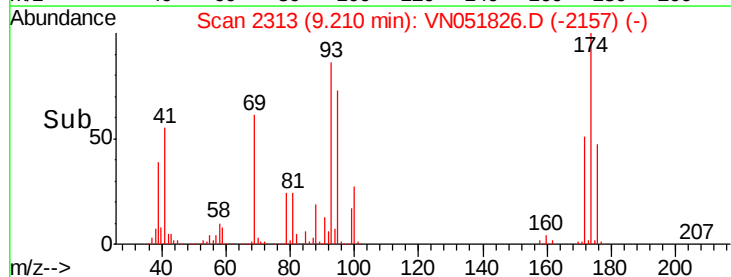
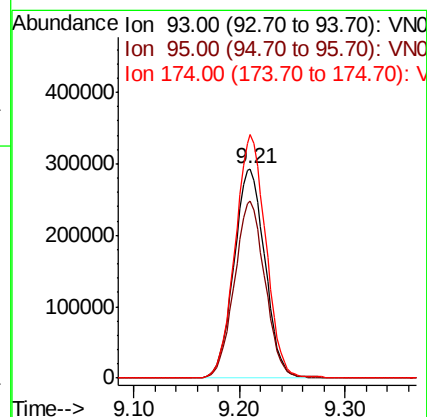
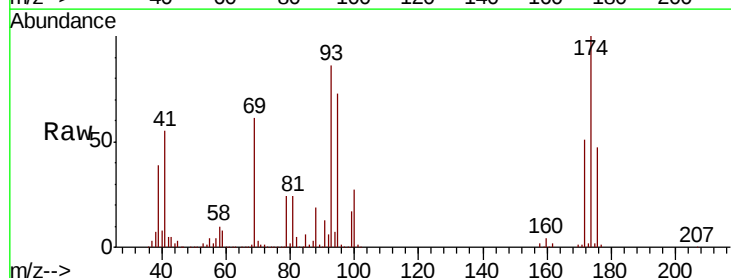
Tgt Ion: 93 Resp: 596335

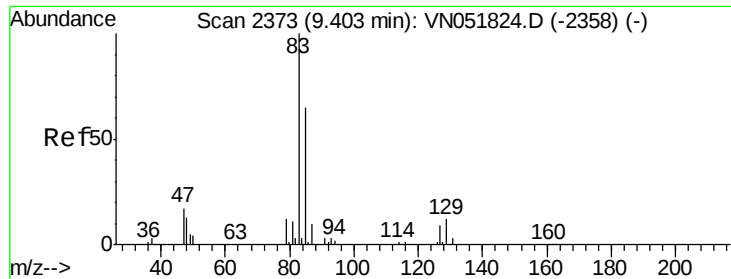
Ion Ratio Lower Upper

93 100

95 83.7 0.0 162.0

174 115.0 0.0 214.0

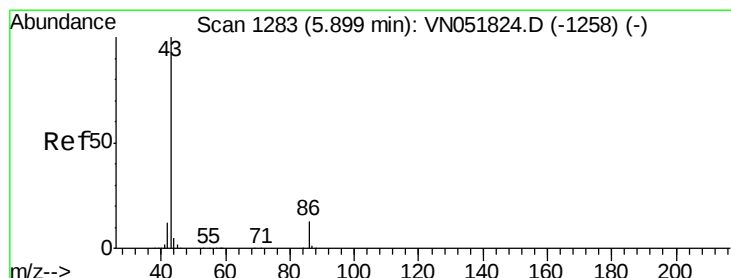
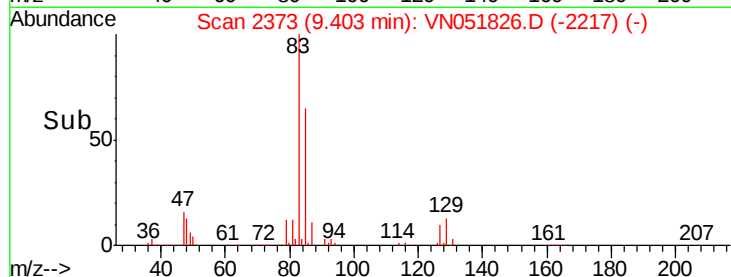
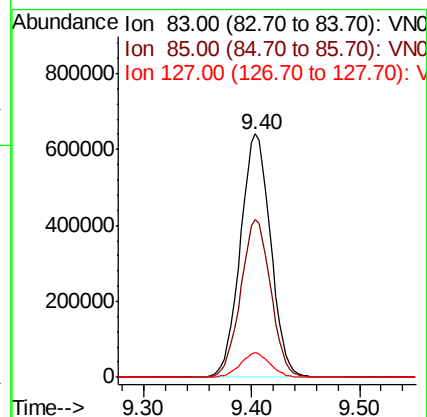
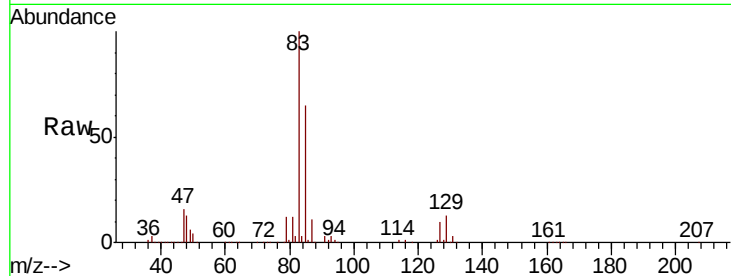




#41
 Bromodichloromethane
 Concen: 103.165 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

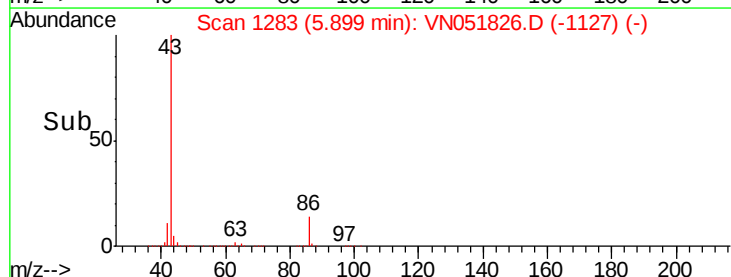
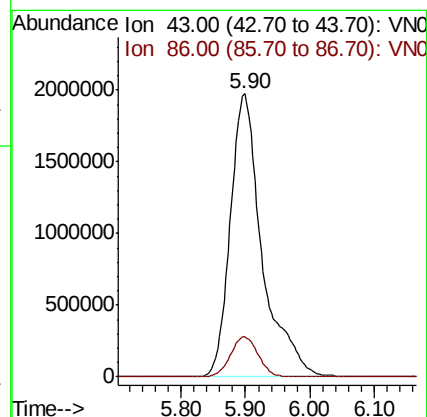
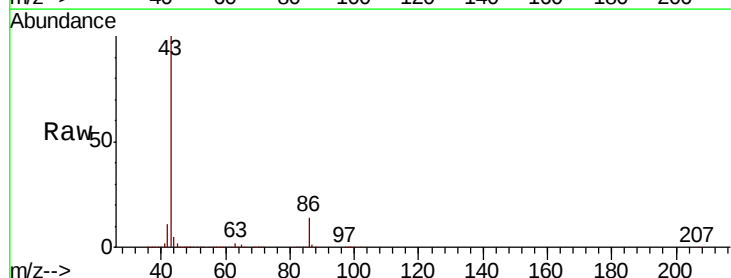
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

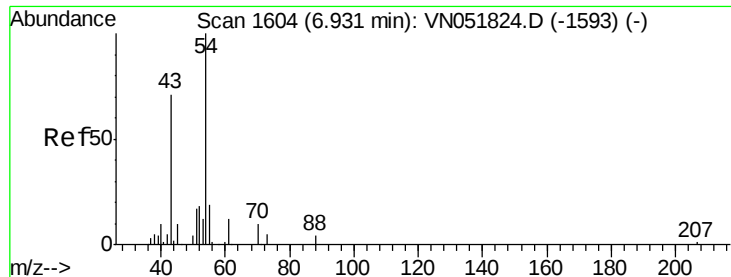
Tot Ion: 83 Resp: 1252246
 Ion Ratio Lower Upper
 83 100
 85 64.6 55.7 83.5
 127 9.9 8.2 12.4



#42
 Vinyl Acetate
 Concen: 506.794 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion: 43 Resp: 6777720
 Ion Ratio Lower Upper
 43 100
 86 12.4 6.5 9.7#





#43

Ethyl Acetate

Concen: 104.386 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

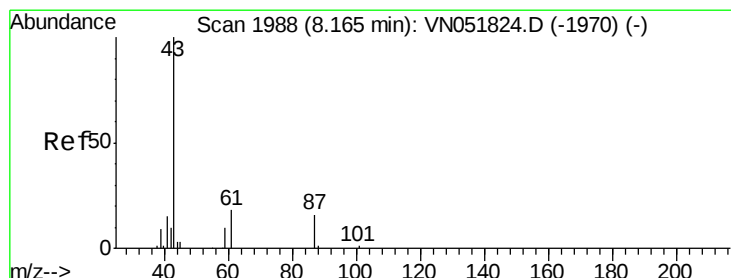
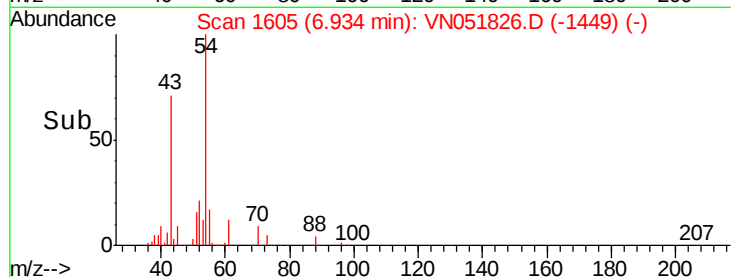
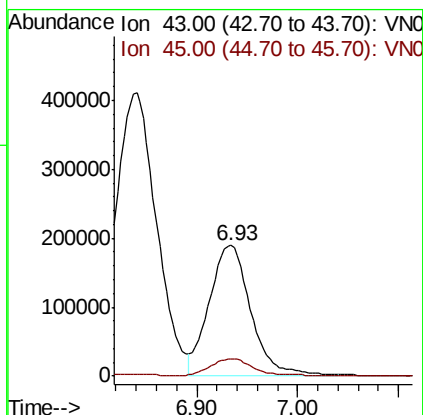
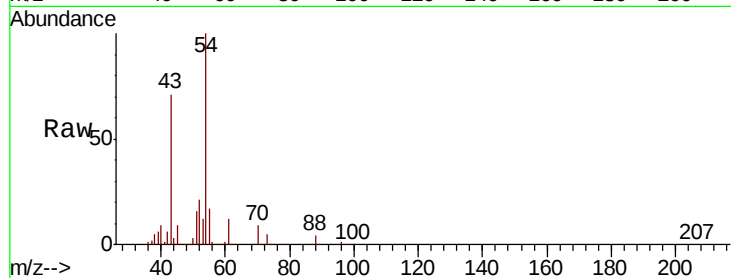
VSTDIC100

Tot Ion: 43 Resp: 538485

Ion Ratio Lower Upper

43 100

45 14.0 11.0 16.6



#44

Isopropyl Acetate

Concen: 101.706 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051826.D

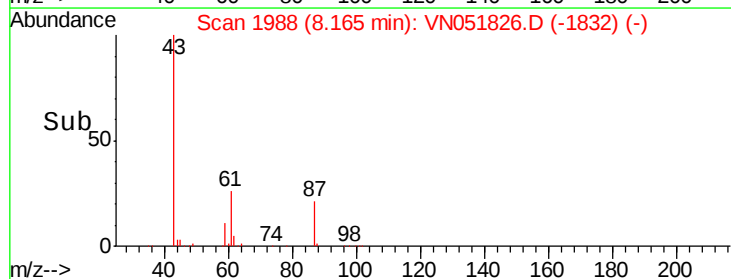
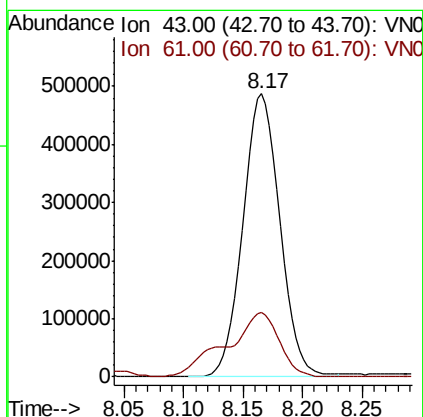
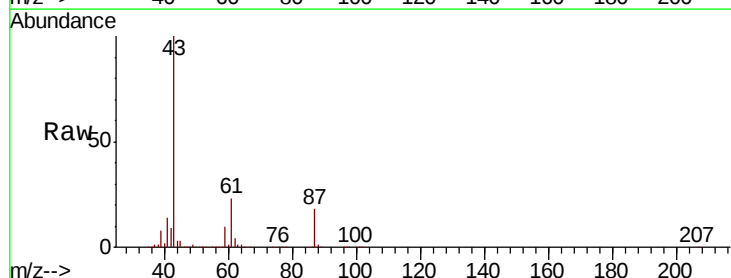
Acq: 12 Oct 2018 9:27

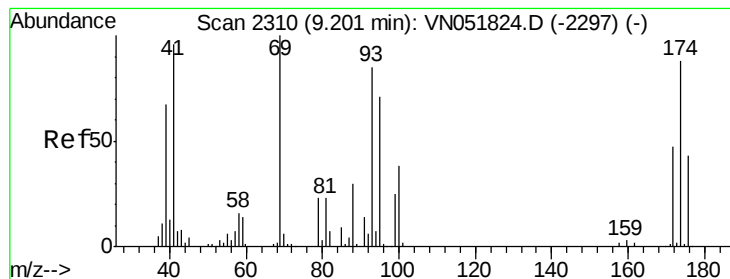
Tgt Ion: 43 Resp: 1047946

Ion Ratio Lower Upper

43 100

61 21.7 15.9 23.9





#45

1,4-Dioxane

Concen: 2103.253 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

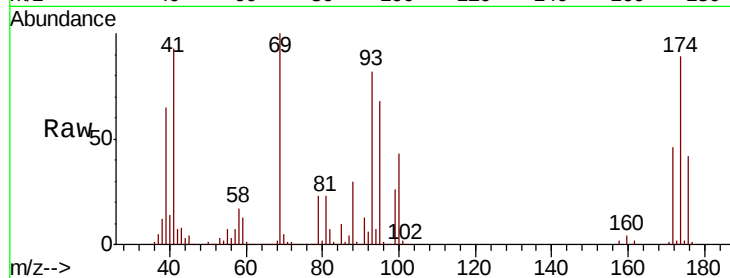
Tot Ion: 88 Resp: 174010

Ion Ratio Lower Upper

88 100

43 25.6 26.2 39.2#

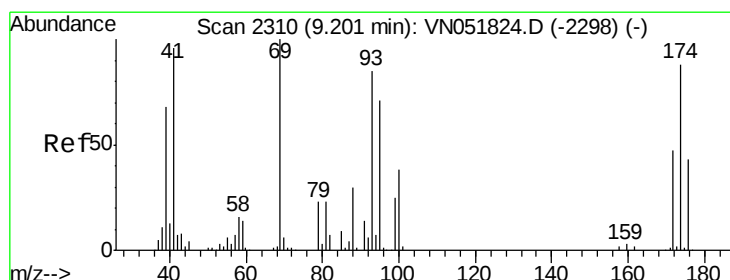
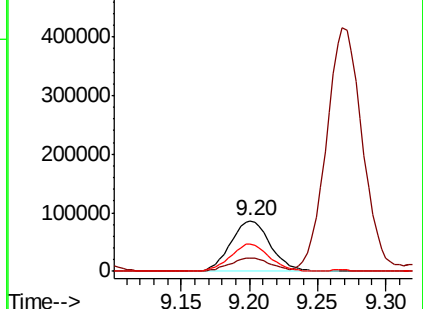
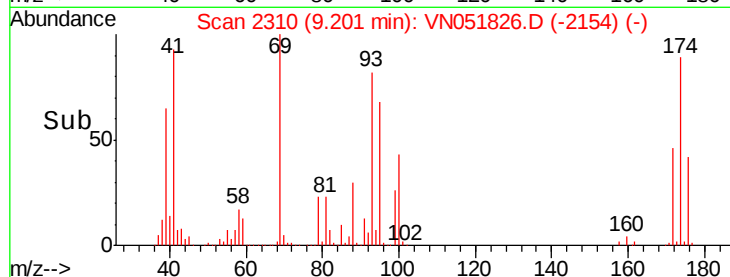
58 53.5 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051826.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN051826.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN051826.D (-2154) (-)



#46

Methyl methacrylate

Concen: 102.145 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

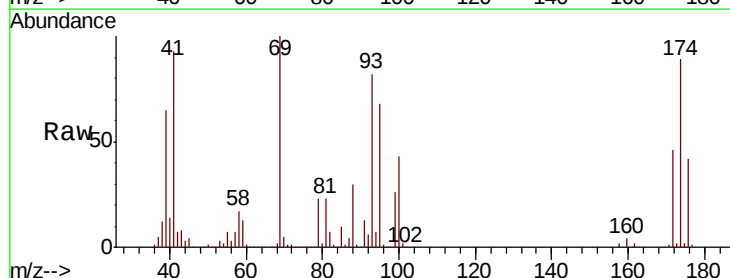
Tgt Ion: 41 Resp: 485456

Ion Ratio Lower Upper

41 100

69 109.1 40.7 122.1

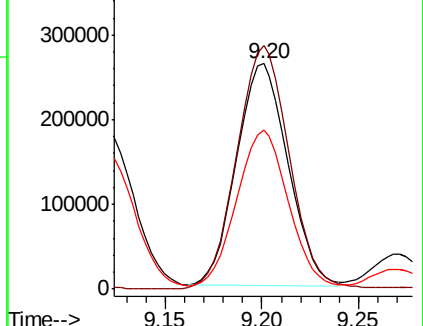
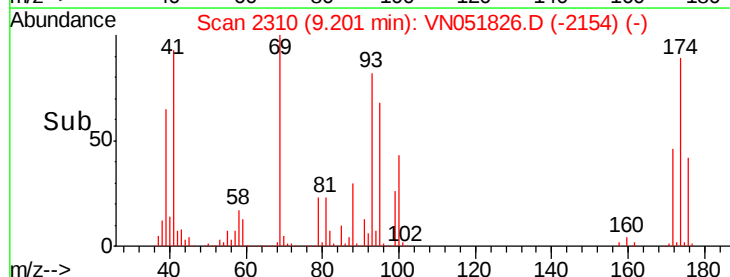
39 70.2 27.3 81.9

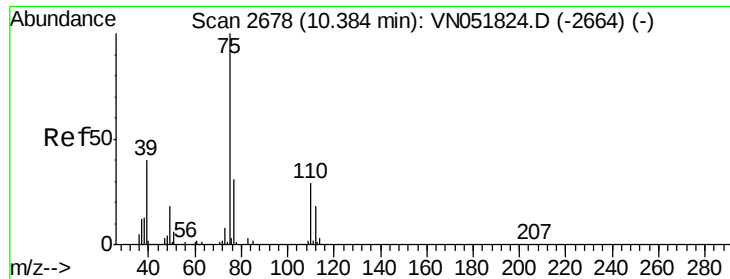


Abundance Ion 41.00 (40.70 to 41.70): VN051826.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN051826.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN051826.D (-2154) (-)





#48

t-1,3-Dichloropropene

Concen: 107.670 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

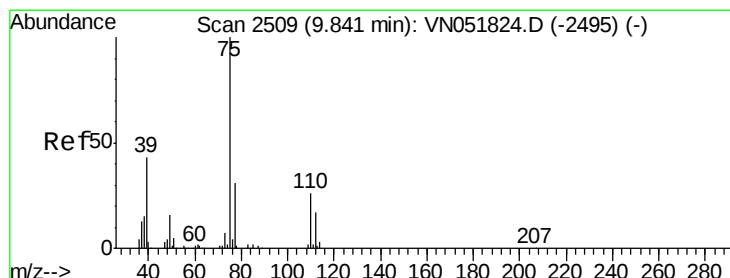
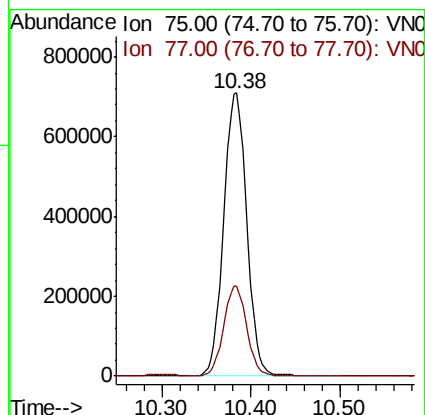
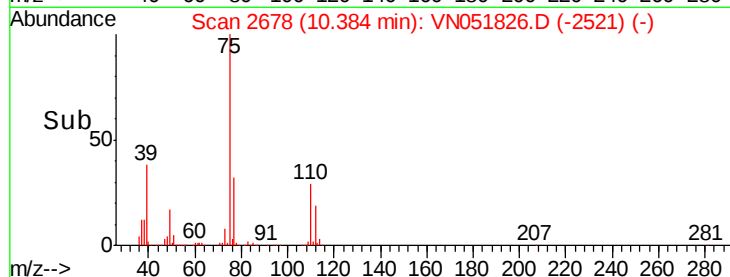
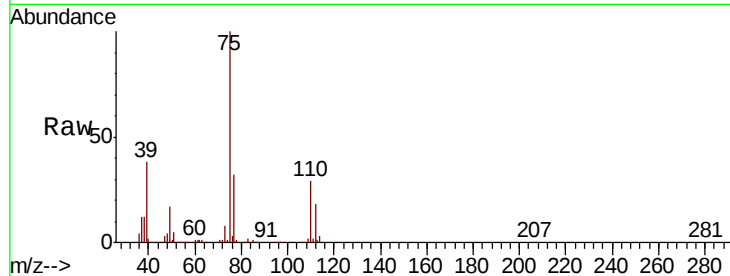
VSTDIC100

Tot Ion: 75 Resp: 1274473

Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 105.844 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

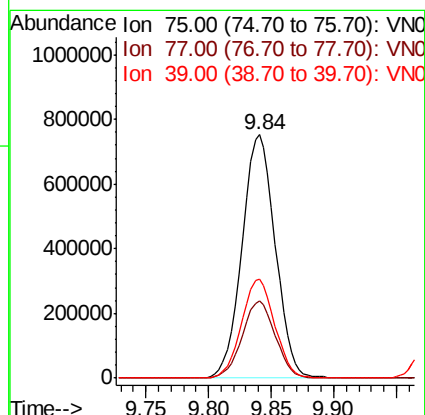
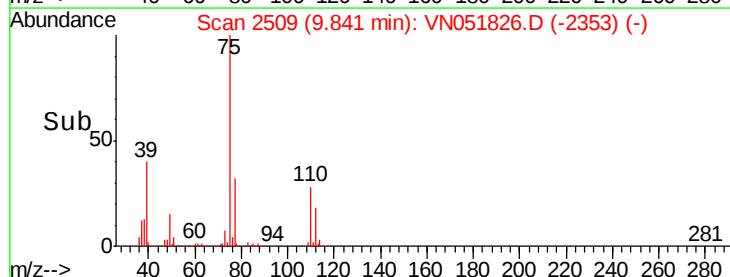
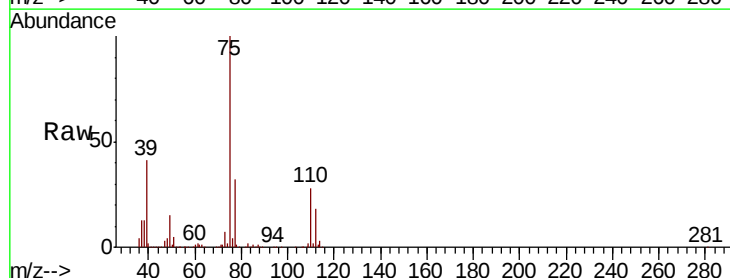
Tgt Ion: 75 Resp: 1381122

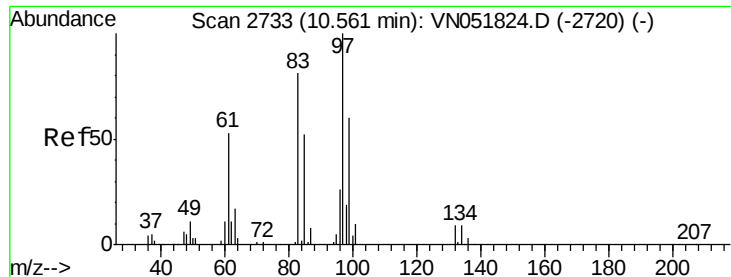
Ion Ratio Lower Upper

75 100

77 31.6 23.2 34.8

39 40.5 34.6 52.0

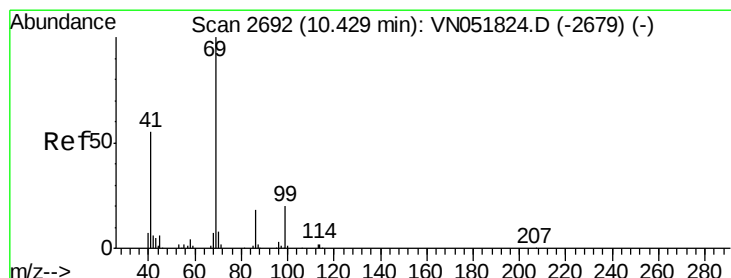
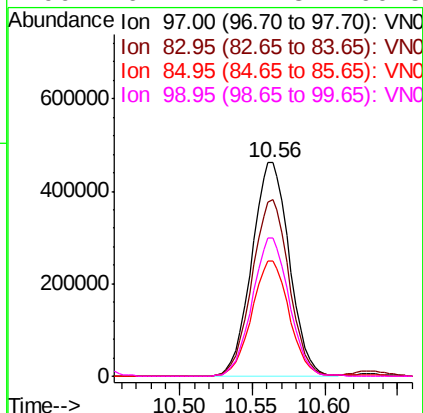
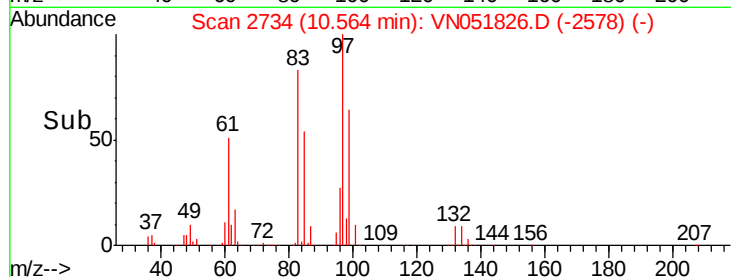
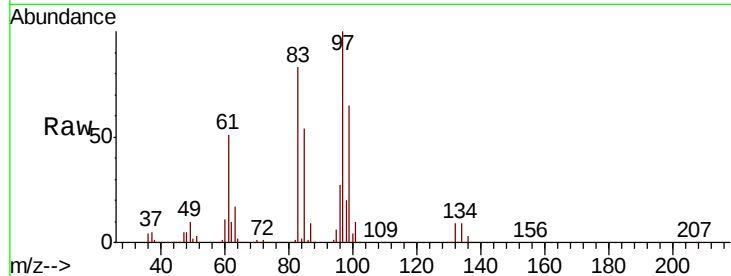




#50
 1,1,2-Trichloroethane
 Concen: 102.850 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

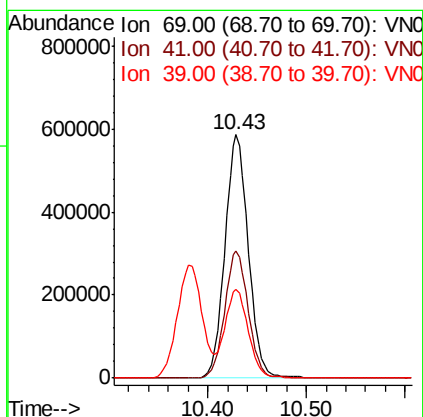
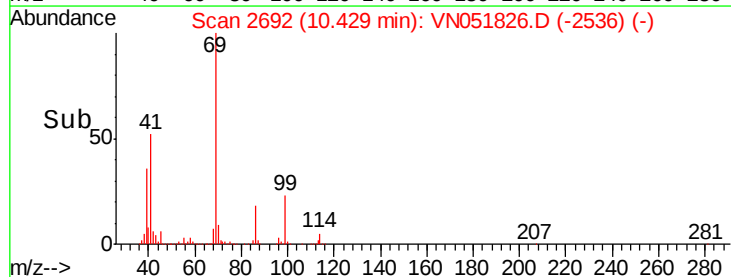
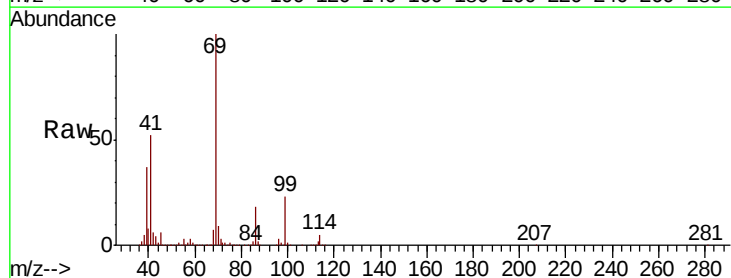
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

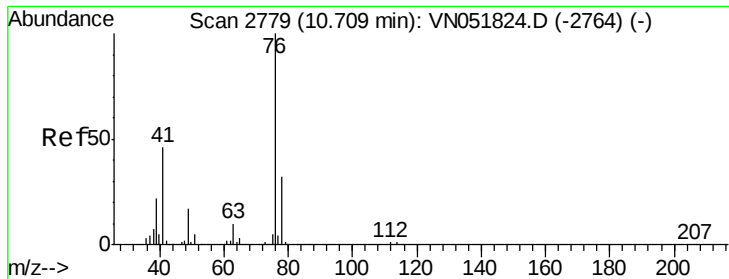
Tot Ion:	97	Resp:	835091
Ion	Ratio	Lower	Upper
97	100		
83	82.8	68.2	102.4
85	54.2	42.5	63.7
99	64.4	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 105.068 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion:	69	Resp:	976692
Ion	Ratio	Lower	Upper
69	100		
41	52.0	34.4	103.1
39	36.4	16.3	48.8





#52

1,3-Dichloropropane

Concen: 102.121 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

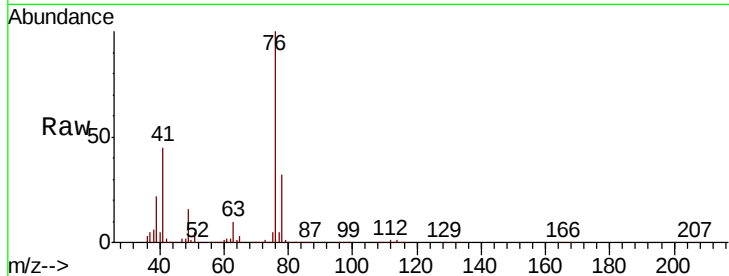
VSTDIC100

Tot Ion: 76 Resp: 1279729

Ion Ratio Lower Upper

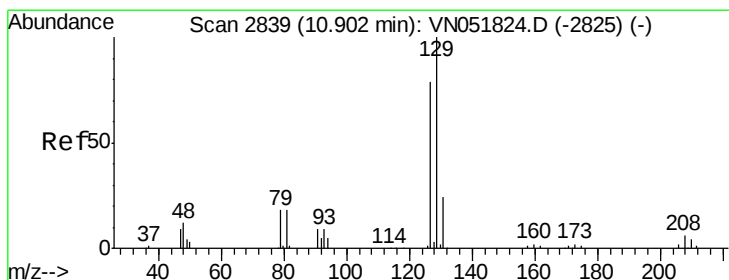
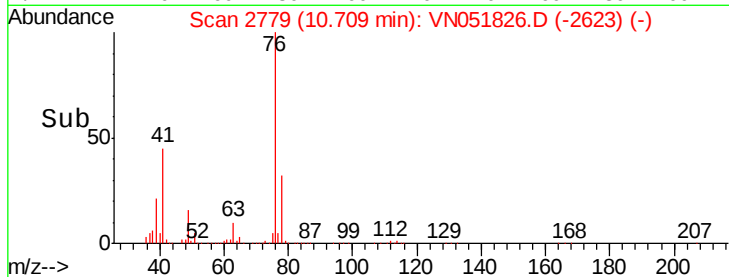
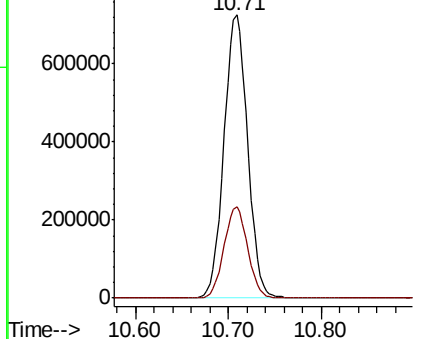
76 100

78 32.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-2764) (-)



#53

Dibromochloromethane

Concen: 108.185 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051826.D

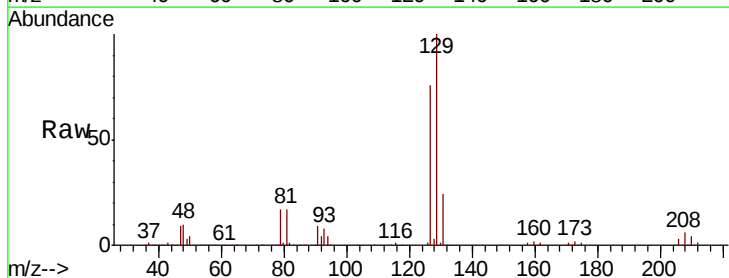
Acq: 12 Oct 2018 9:27

Tgt Ion: 129 Resp: 1086678

Ion Ratio Lower Upper

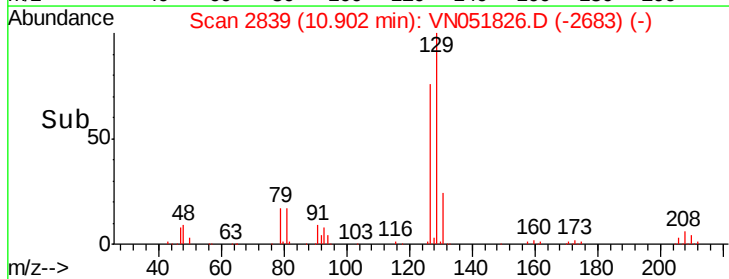
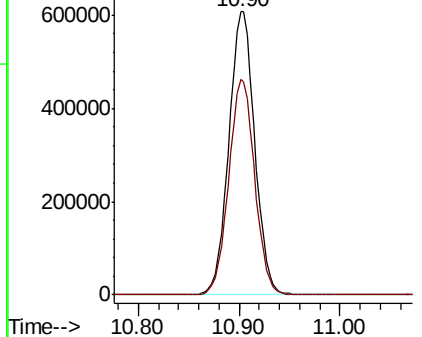
129 100

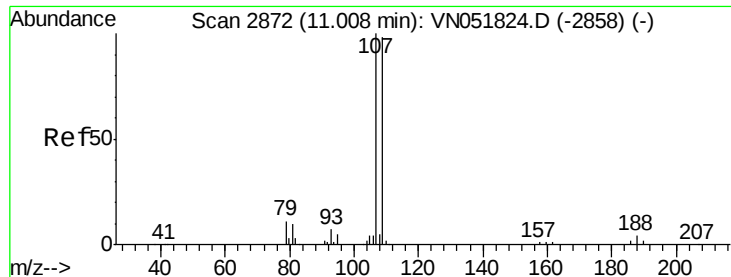
127 76.4 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051824.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2825) (-)

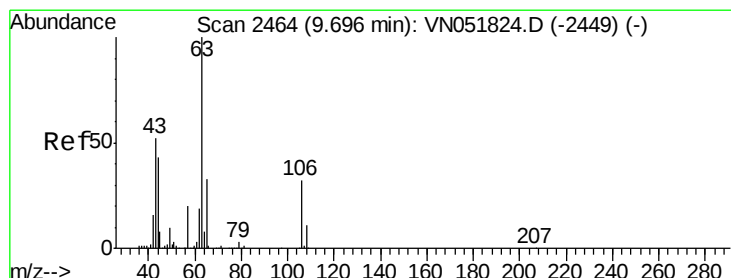
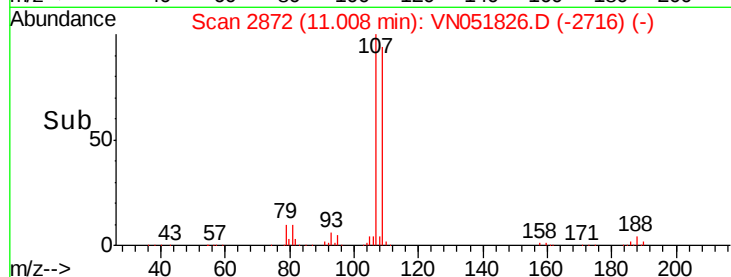
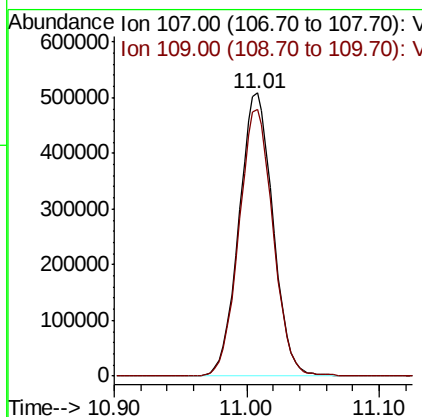
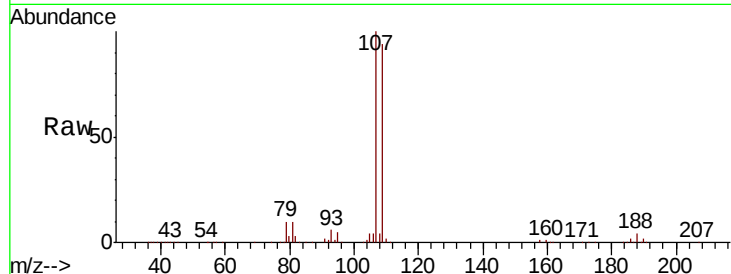




#54
 1,2-Dibromoethane
 Concen: 106.054 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

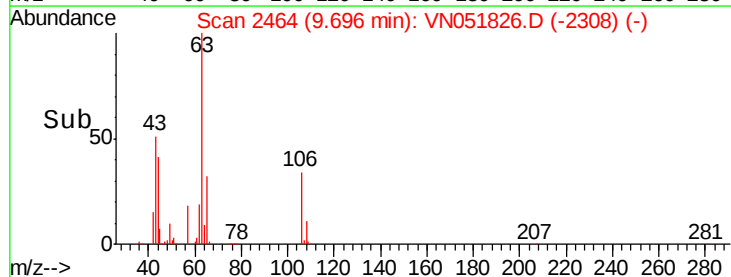
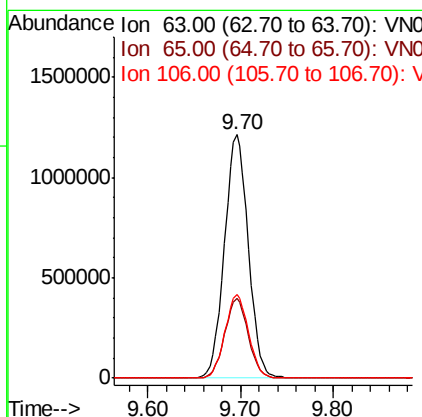
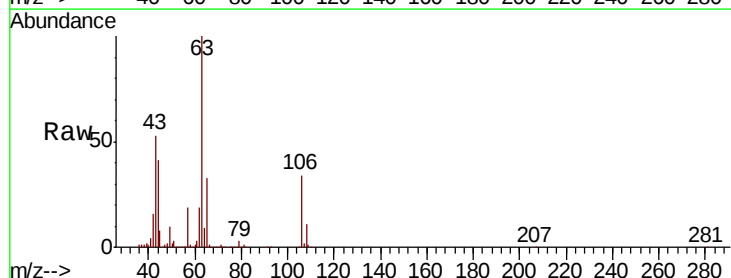
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

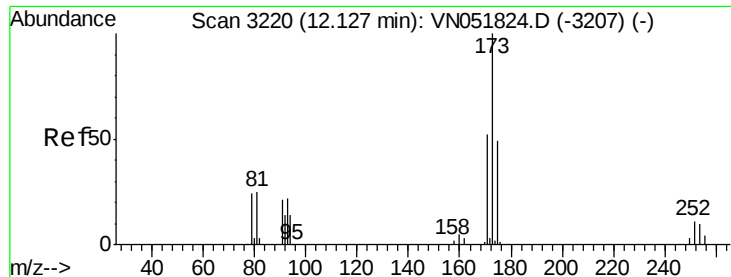
Tot Ion:107 Resp: 903851
 Ion Ratio Lower Upper
 107 100
 109 94.8 77.4 116.0



#55
 2-Chloroethyl vinyl ether
 Concen: 543.391 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion: 63 Resp: 2159376
 Ion Ratio Lower Upper
 63 100
 65 32.4 25.4 38.0
 106 34.0 21.2 31.8#

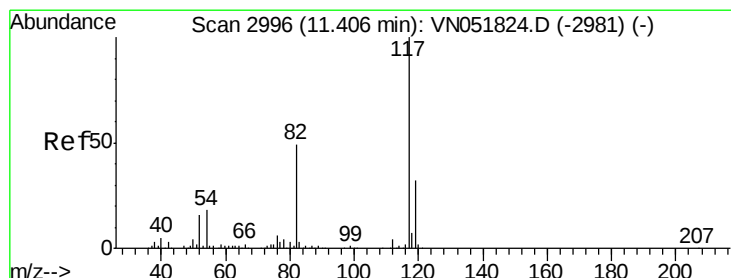
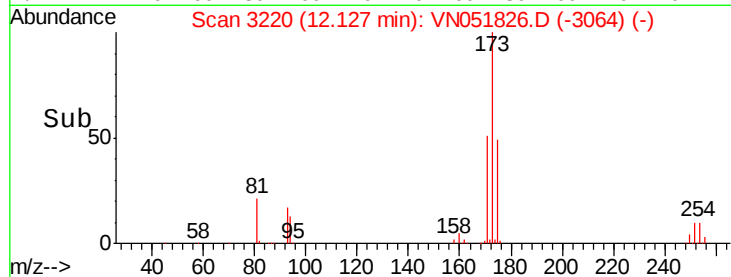
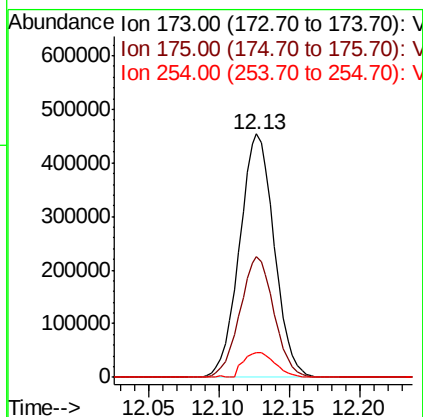
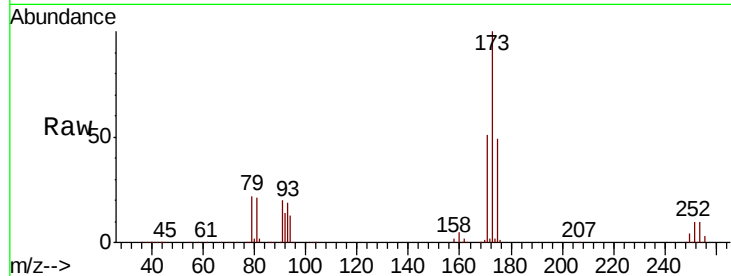




#56
Bromoform
Concen: 117.669 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

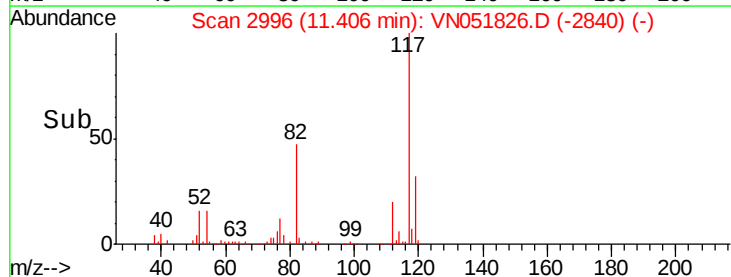
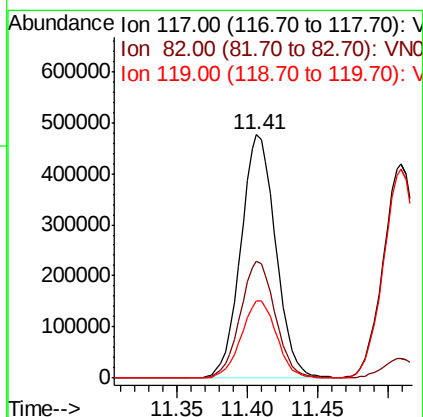
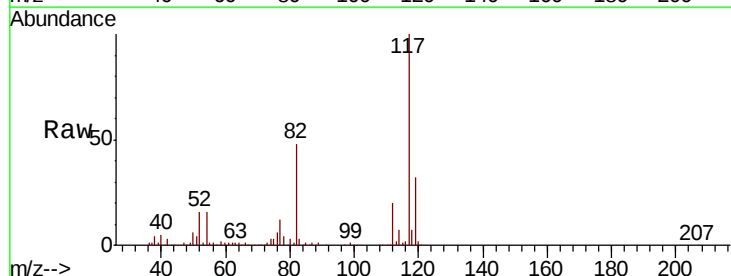
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

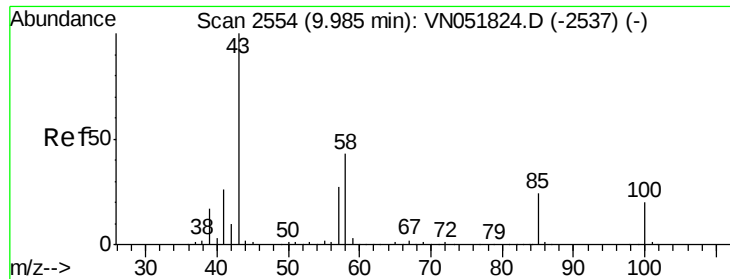
Tot Ion:173 Resp: 779496
Ion Ratio Lower Upper
173 100
175 48.8 35.8 53.8
254 9.5 8.6 13.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion:117 Resp: 825615
Ion Ratio Lower Upper
117 100
82 48.2 44.1 66.1
119 32.2 25.8 38.8

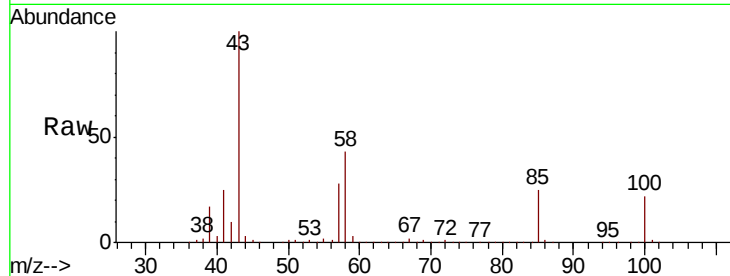




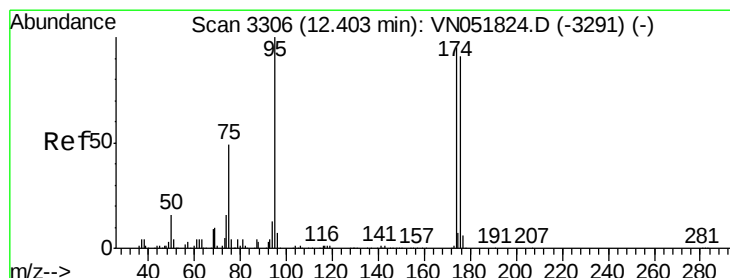
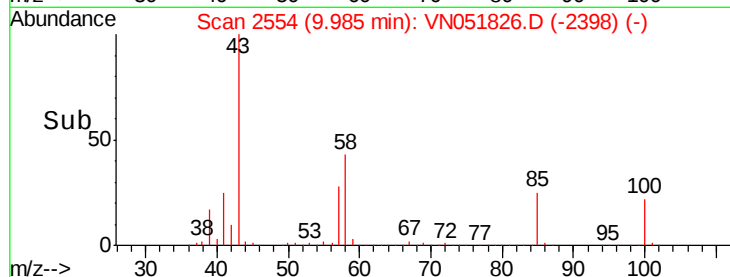
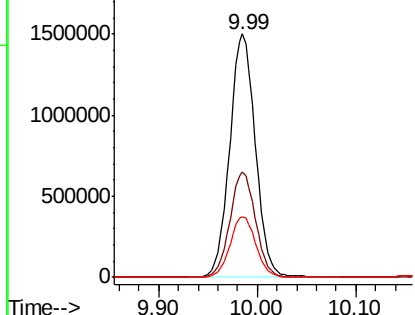
#58
4-Methyl-2-Pentanone
Concen: 493.602 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2727139
Ion Ratio Lower Upper
43 100
58 43.3 29.3 43.9
85 25.1 12.6 18.8#

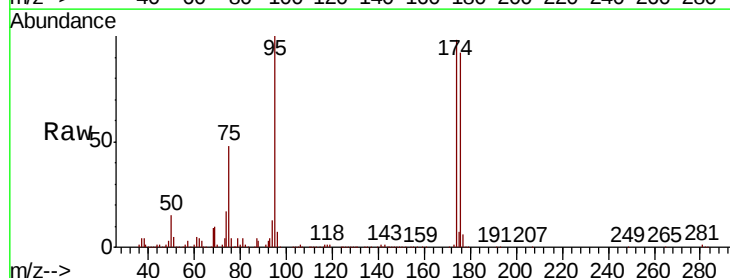


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0
Ion 85.00 (84.70 to 85.70): VN0

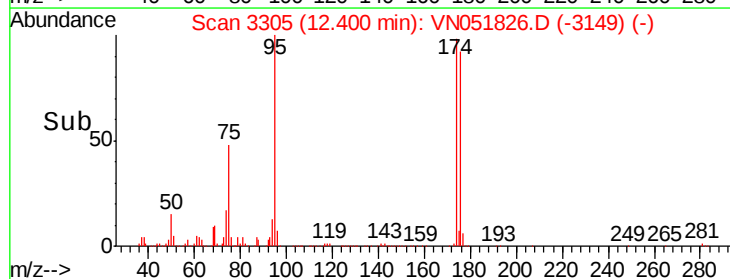
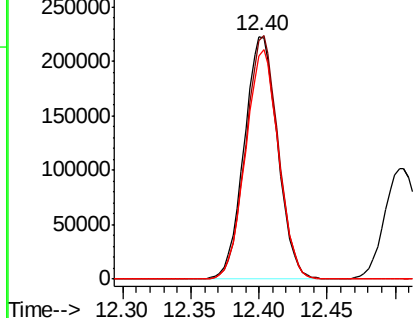


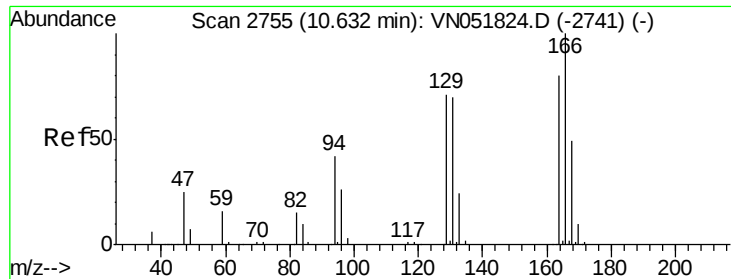
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 95 Resp: 377461
Ion Ratio Lower Upper
95 100
174 97.9 73.5 110.3
176 93.6 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#61

Tetrachloroethene

Concen: 98.344 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 1038360

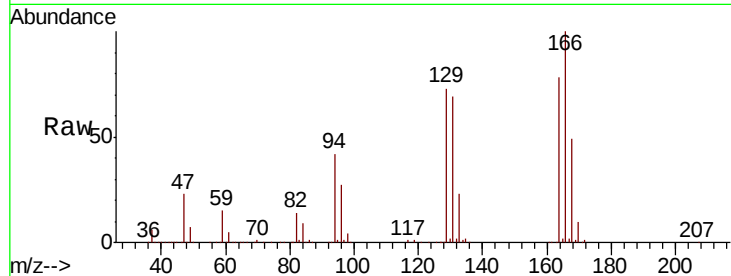
Ion Ratio Lower Upper

164 100

166 127.6 98.7 148.1

129 92.9 69.6 104.4

131 87.8 72.4 108.6

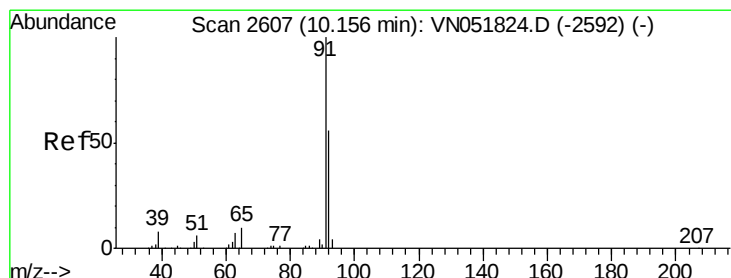
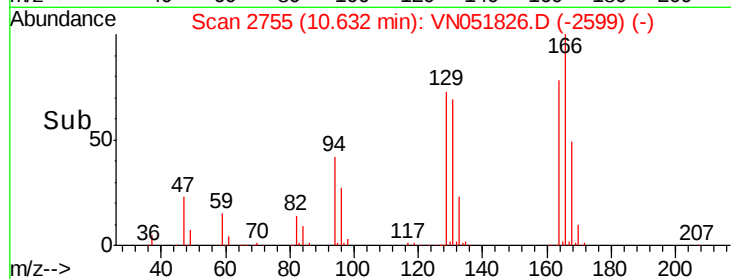
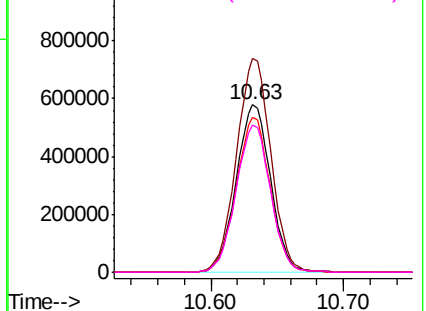


Abundance Ion 163.85 (163.55 to 164.55): V

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: 100.833 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051826.D

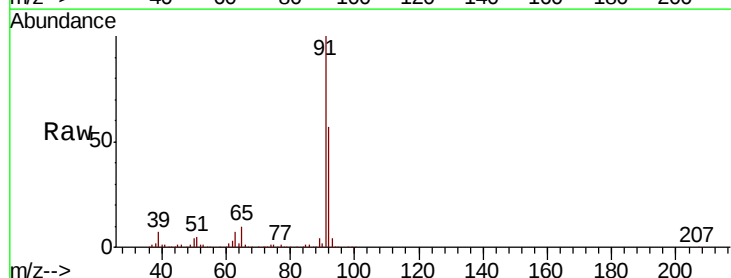
Acq: 12 Oct 2018 9:27

Tgt Ion: 91 Resp: 4135693

Ion Ratio Lower Upper

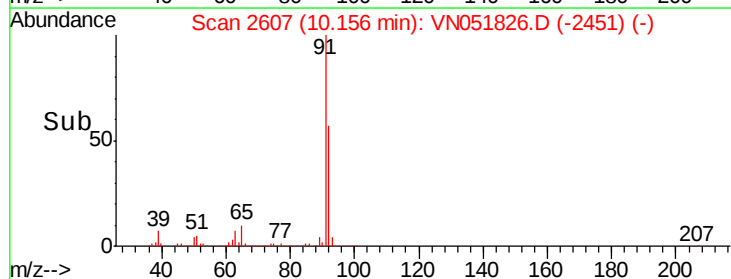
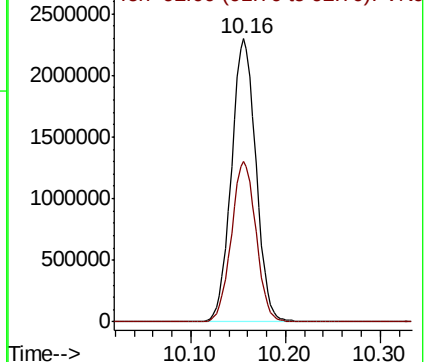
91 100

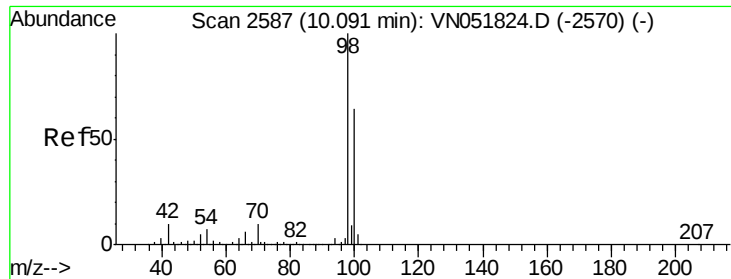
92 57.0 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 100.833 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

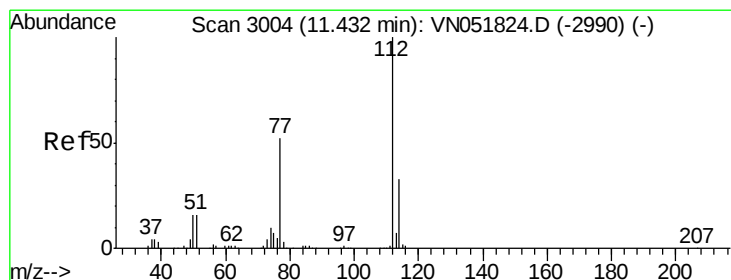
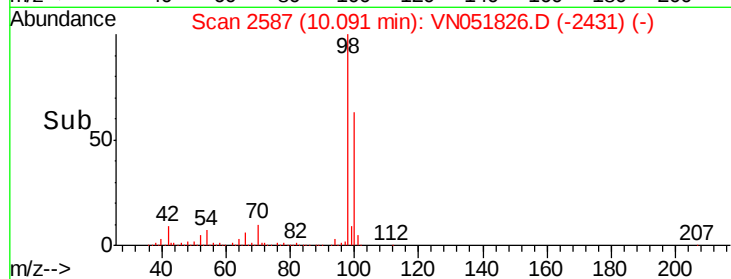
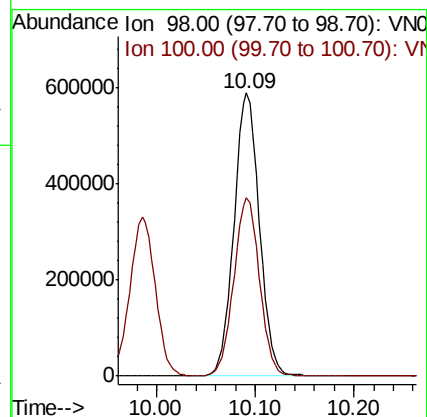
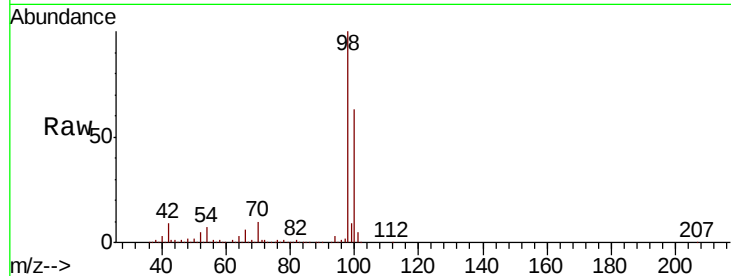
VSTDICC100

Tot Ion: 98 Resp: 1059043

Ion Ratio Lower Upper

98 100

100 63.6 50.8 76.2



#64

Chlorobenzene

Concen: 102.755 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051826.D

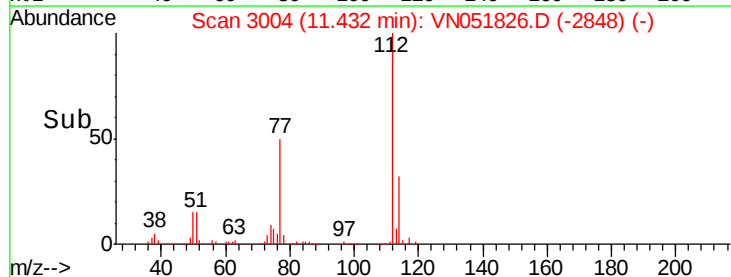
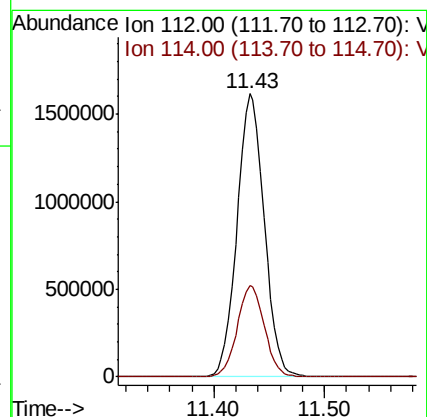
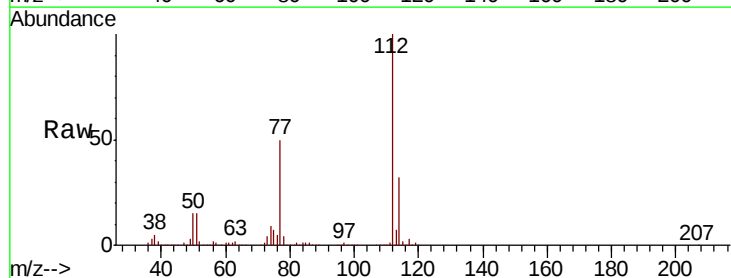
Acq: 12 Oct 2018 9:27

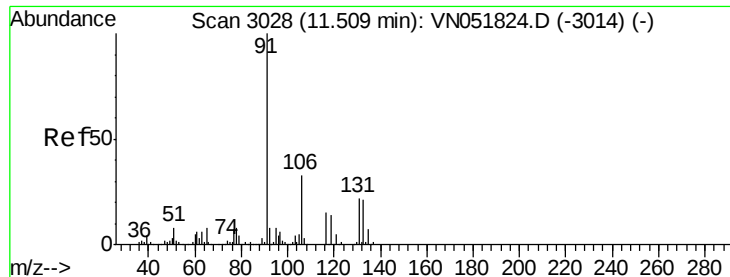
Tgt Ion: 112 Resp: 2760186

Ion Ratio Lower Upper

112 100

114 32.2 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 103.999 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

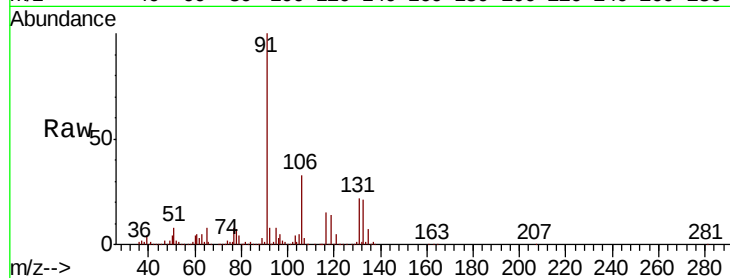
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:131 Resp: 1072264

Ion	Ratio	Lower	Upper
131	100		
133	95.5	0.0	190.4
119	65.3	0.0	128.0

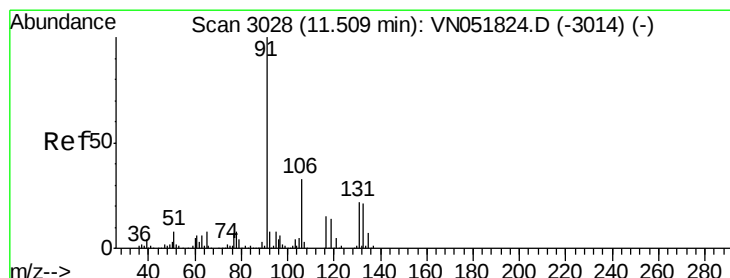
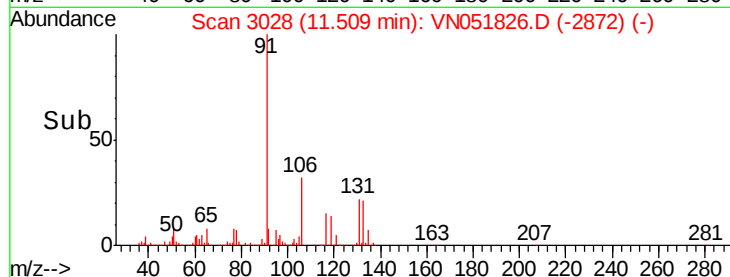
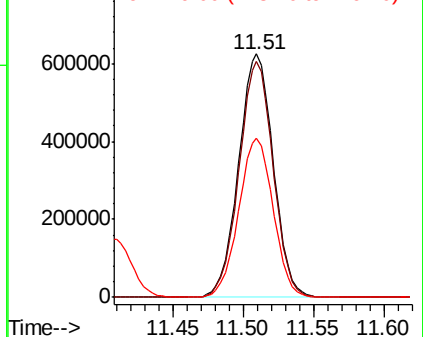


Abundance

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: 102.849 ug/l

RT: 11.51 min Scan# 3028

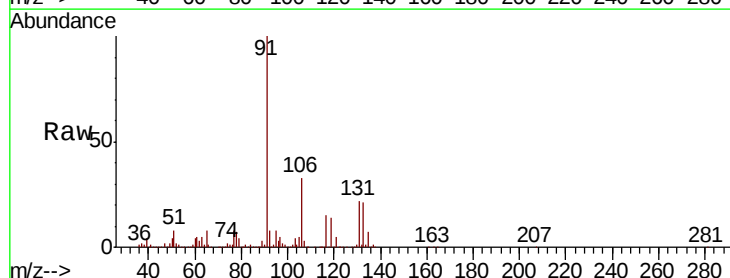
Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Tgt Ion: 91 Resp: 4662141

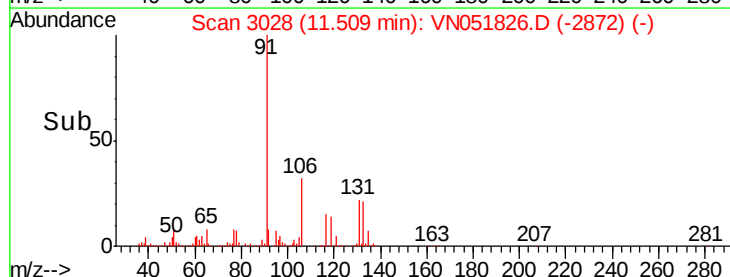
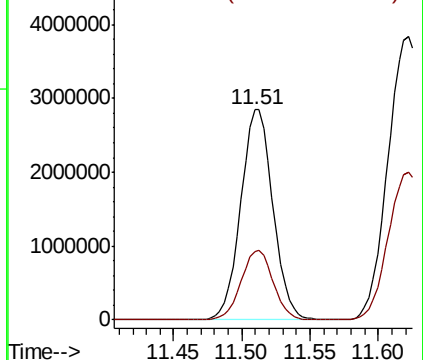
Ion	Ratio	Lower	Upper
91	100		
106	32.8	25.9	38.9

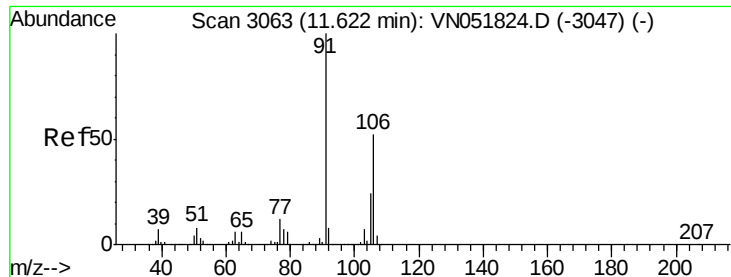


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 208.805 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

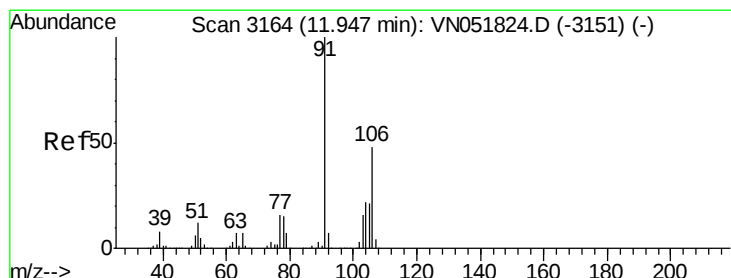
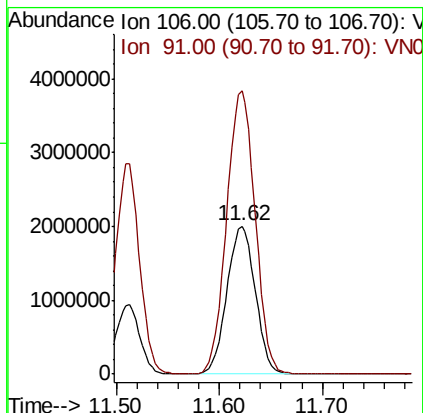
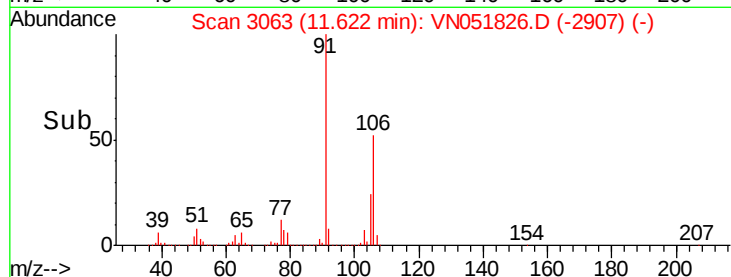
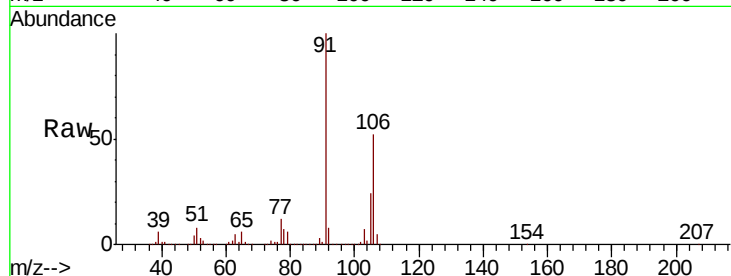
VSTDIC100

Tot Ion:106 Resp: 3837375

Ion Ratio Lower Upper

106 100

91 192.4 158.8 238.2



#68

o-Xylene

Concen: 103.202 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051826.D

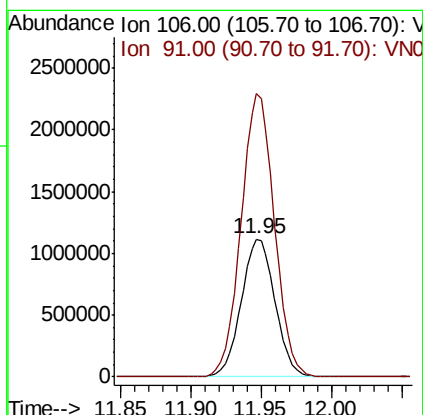
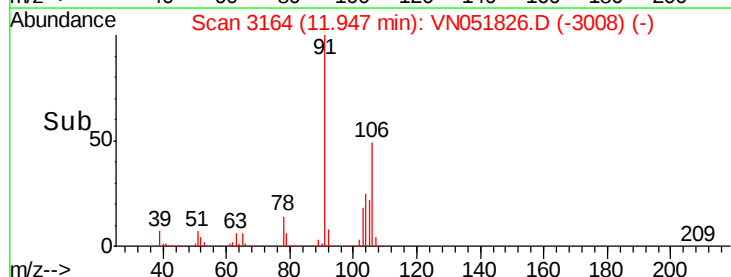
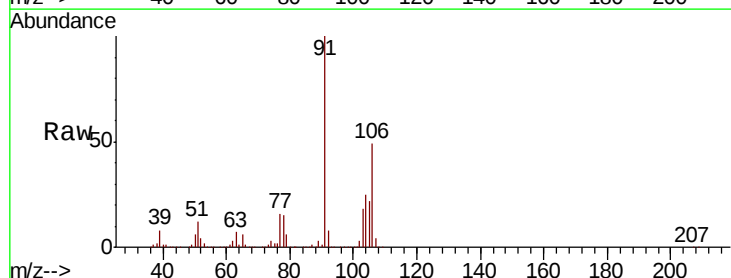
Acq: 12 Oct 2018 9:27

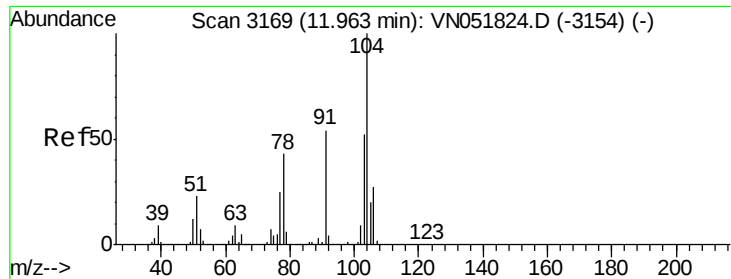
Tgt Ion:106 Resp: 1869741

Ion Ratio Lower Upper

106 100

91 202.8 111.1 333.3

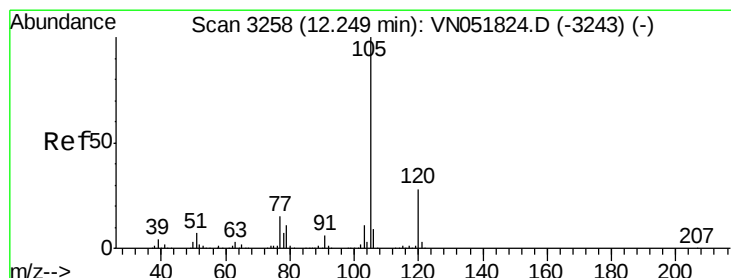
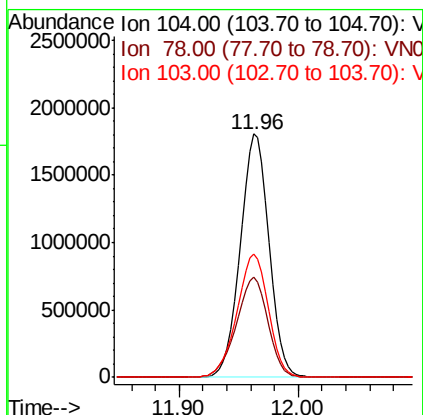
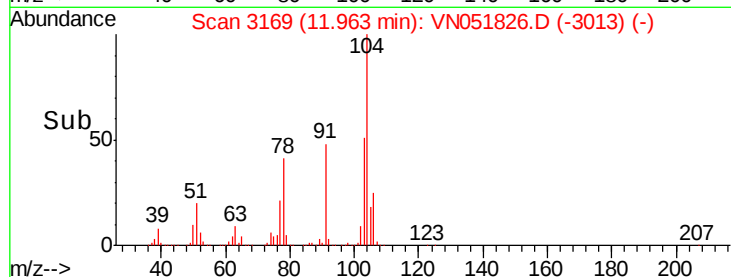
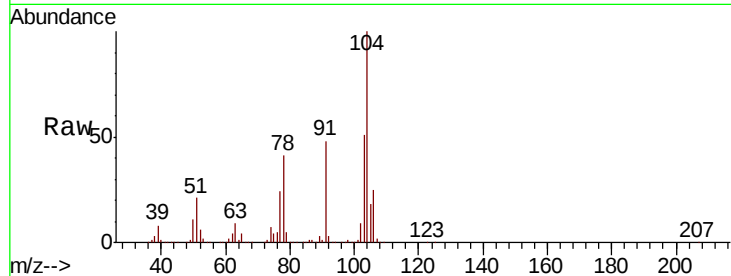




#69
Stvrene
Concen: 108.528 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

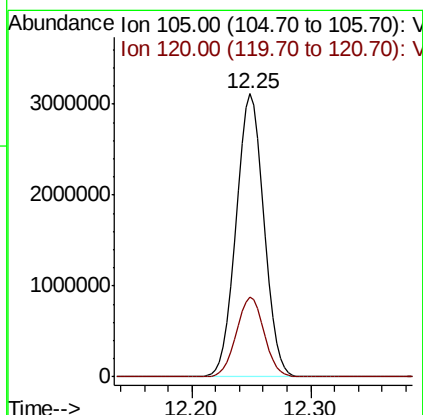
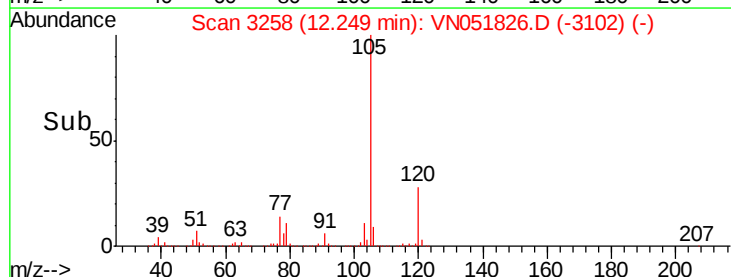
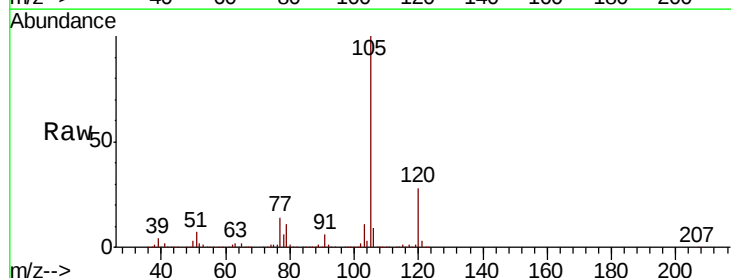
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

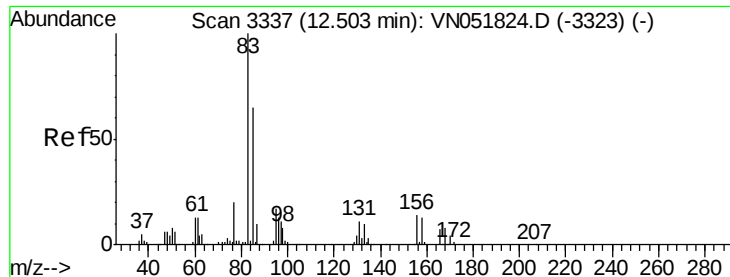
Tot Ion:104 Resp: 3016768
Ion Ratio Lower Upper
104 100
78 45.3 40.6 60.8
103 55.4 44.0 66.0



#70
Isopropylbenzene
Concen: 104.150 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion:105 Resp: 5031808
Ion Ratio Lower Upper
105 100
120 28.1 19.0 35.4

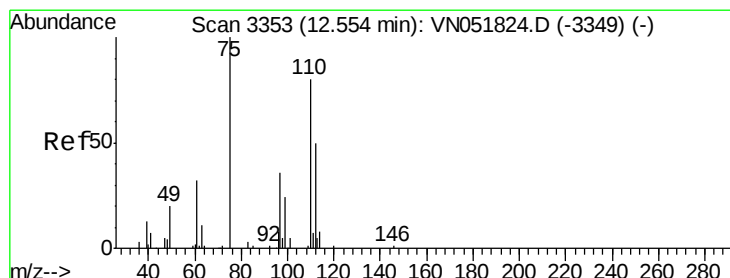
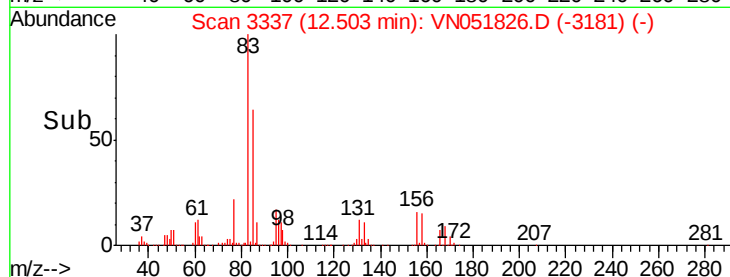
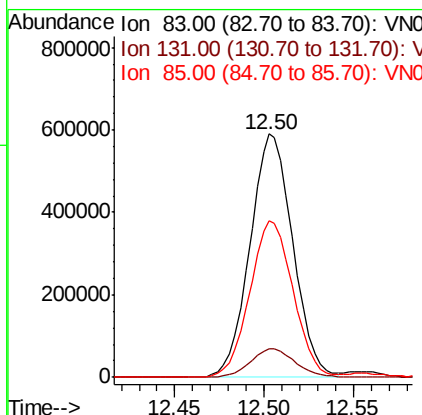
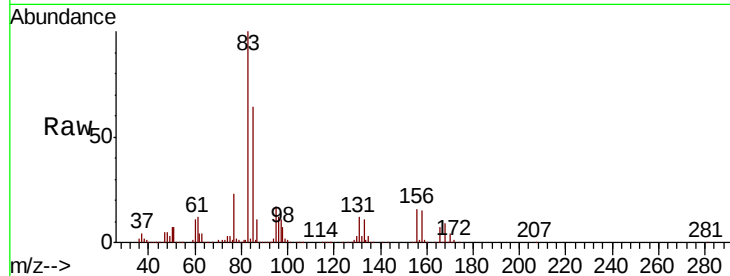




#71
 1,1,2,2-Tetrachloroethane
 Concen: 103.585 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

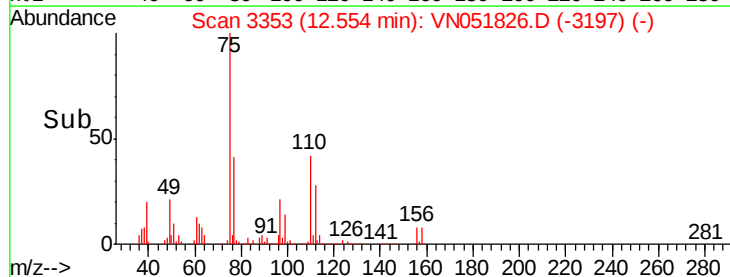
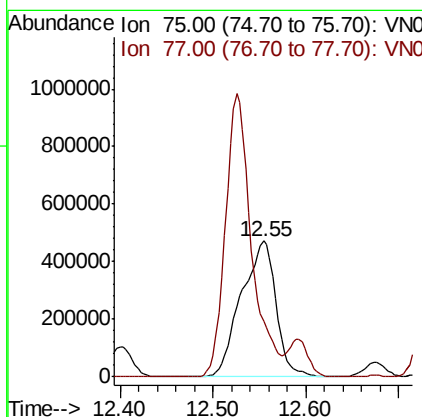
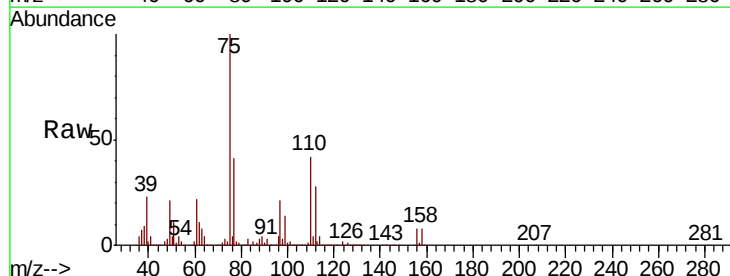
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

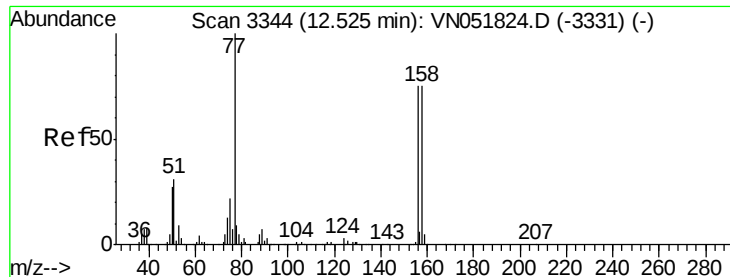
Tot Ion	83	Resp	988318
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.5	16.4
85	65.1	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 164.044 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion	75	Resp	1231285
Ion Ratio	Lower	Upper	
75	100		
77	156.1	0.0	400.0





#73

Bromobenzene

Concen: 109.004 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

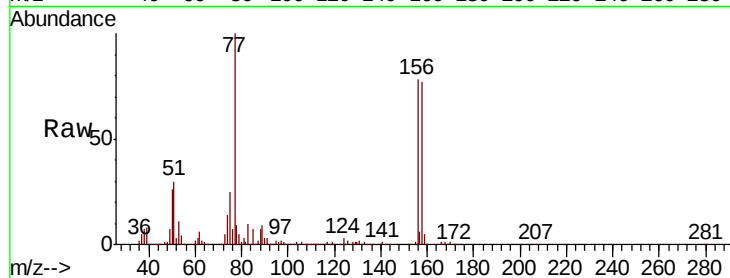
Tot Ion:156 Resp: 1304450

Ion Ratio Lower Upper

156 100

77 147.3 0.0 377.4

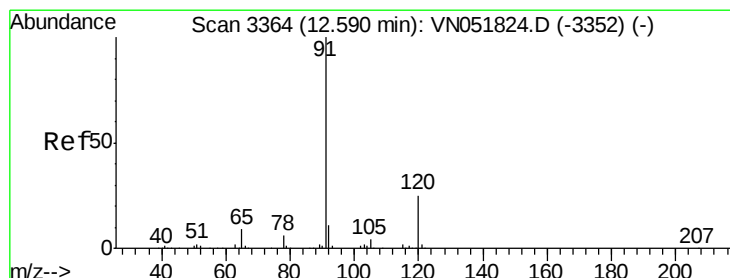
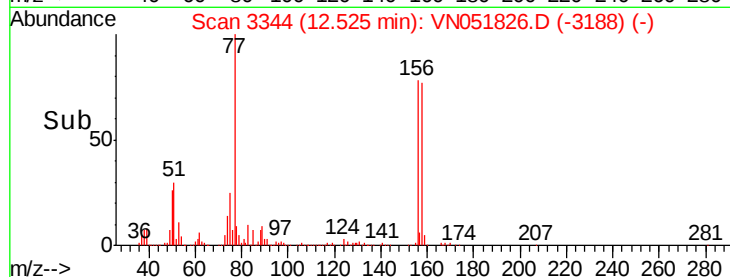
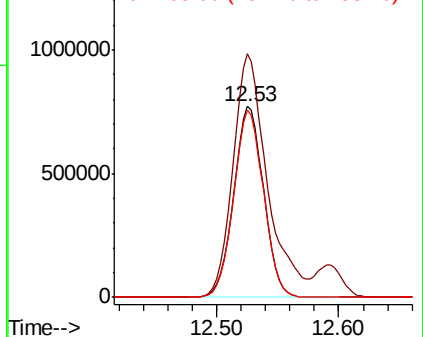
158 98.0 0.0 203.0



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: 106.787 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051826.D

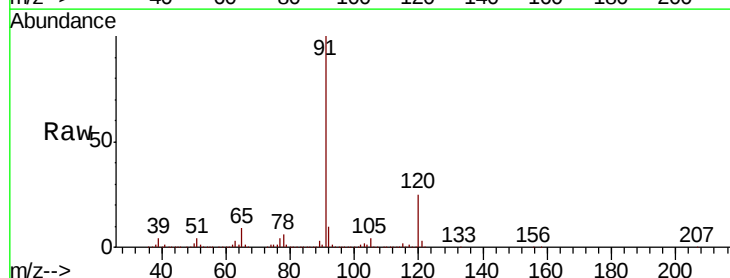
Acq: 12 Oct 2018 9:27

Tgt Ion: 91 Resp: 5549508

Ion Ratio Lower Upper

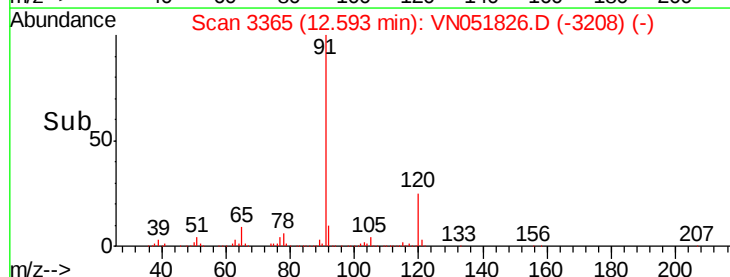
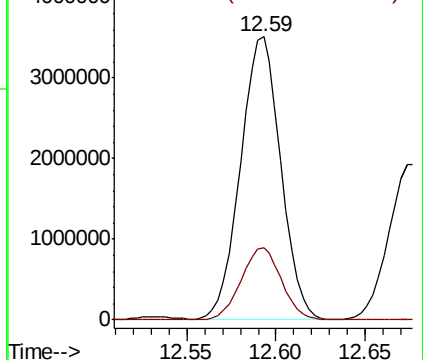
91 100

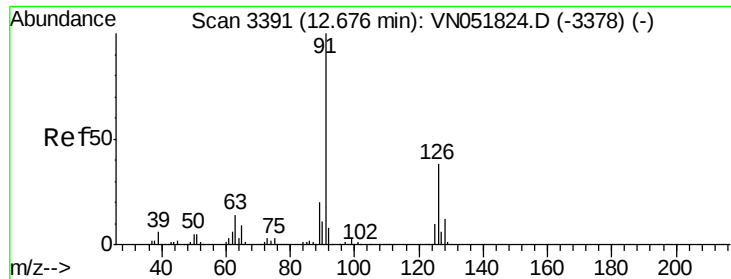
120 25.4 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 104.315 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

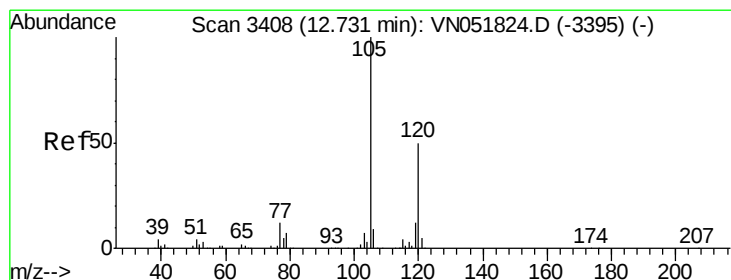
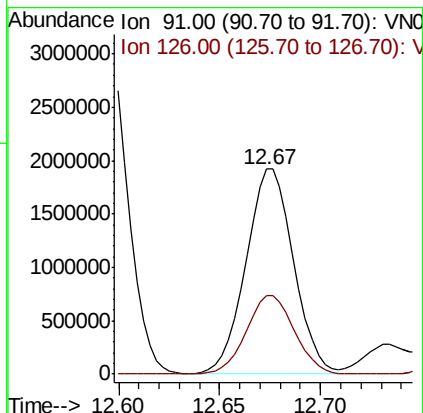
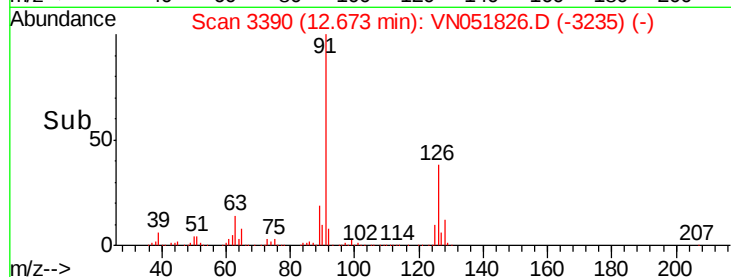
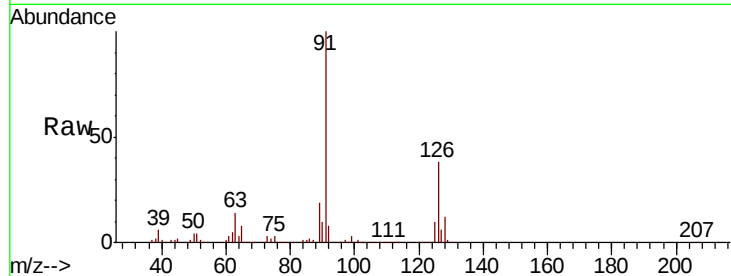
VSTDIC100

Tot Ion: 91 Resp: 3178150

Ion Ratio Lower Upper

91 100

126 38.9 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 106.175 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051826.D

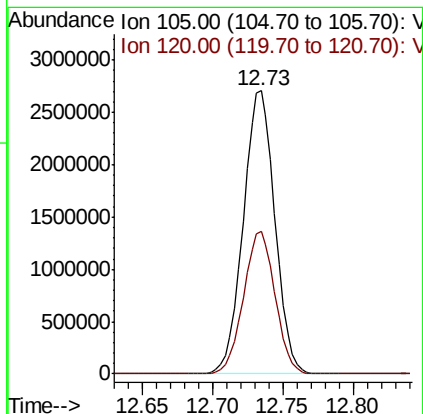
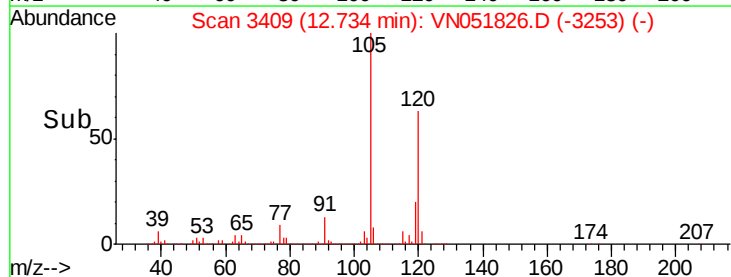
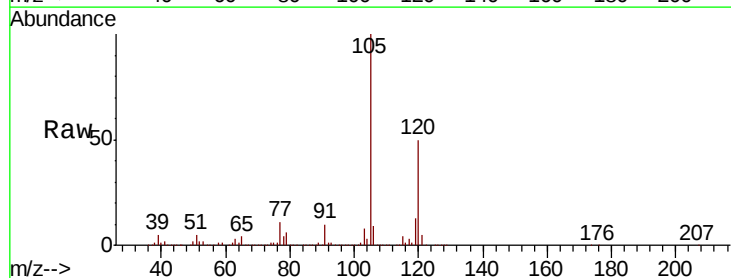
Acq: 12 Oct 2018 9:27

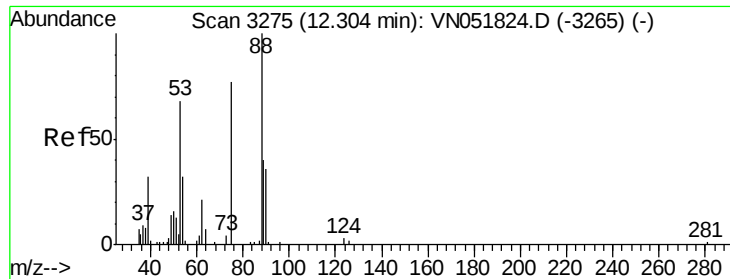
Tgt Ion:105 Resp: 4241885

Ion Ratio Lower Upper

105 100

120 50.2 0.0 98.2



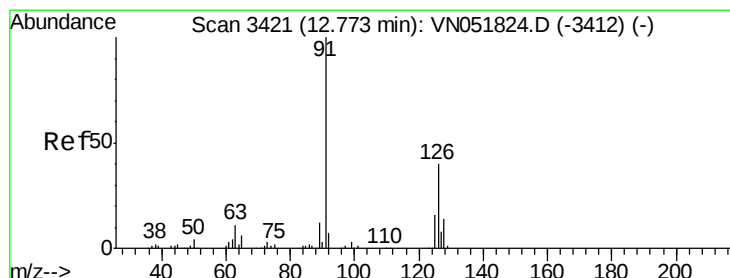
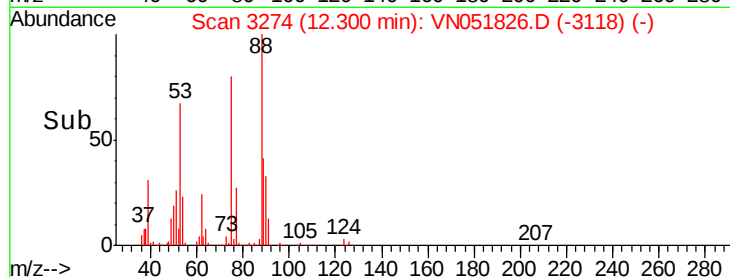
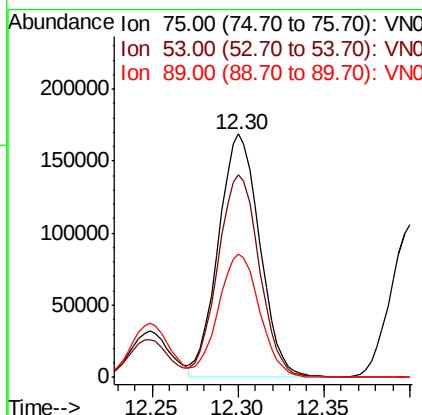
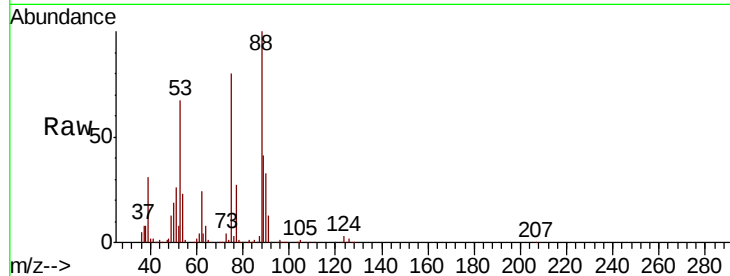


#77
t-1,4-Dichloro-2-butene
Concen: 114.304 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 283749

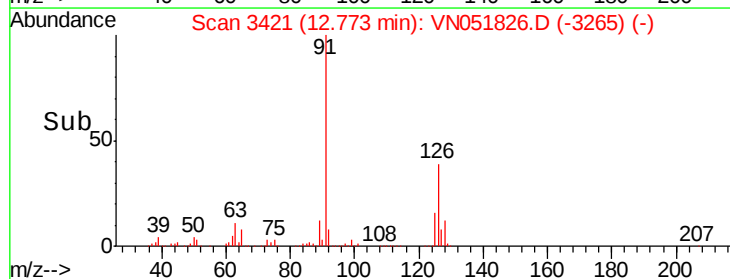
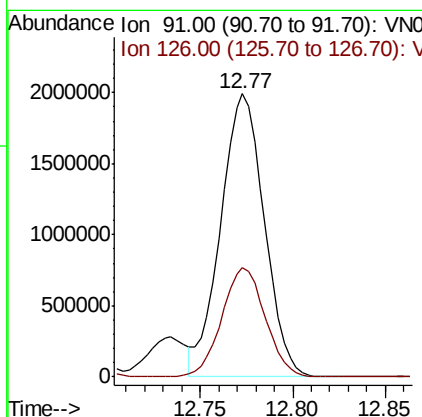
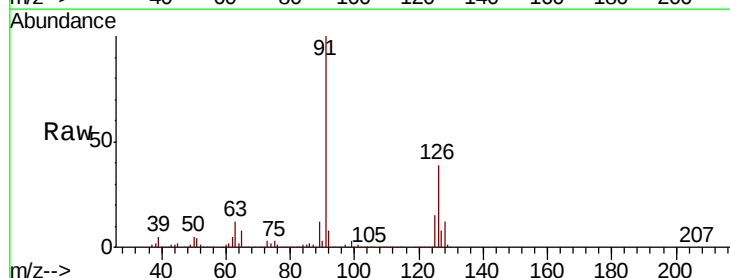
Ion	Ratio	Lower	Upper
75	100		
53	83.1	46.3	138.9
89	50.8	24.6	73.8

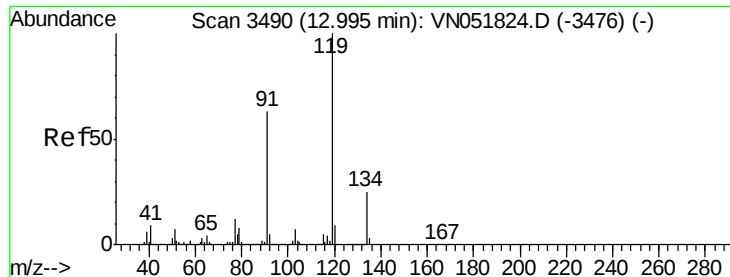


#78
4-Chlorotoluene
Concen: 108.501 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 91 Resp: 3247881

Ion	Ratio	Lower	Upper
91	100		
126	38.4	0.0	65.2

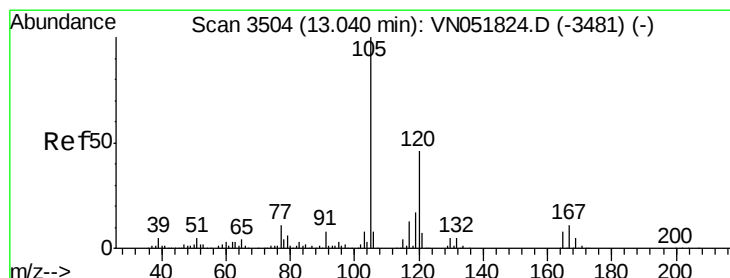
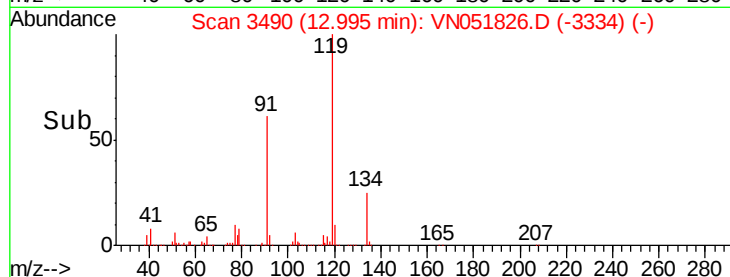
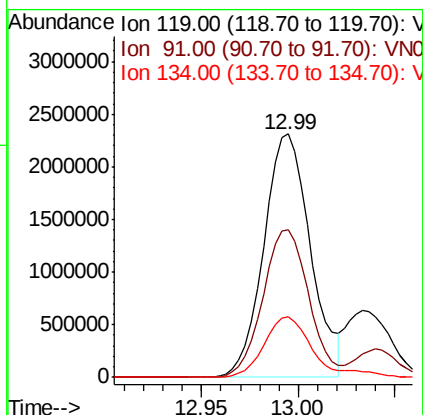
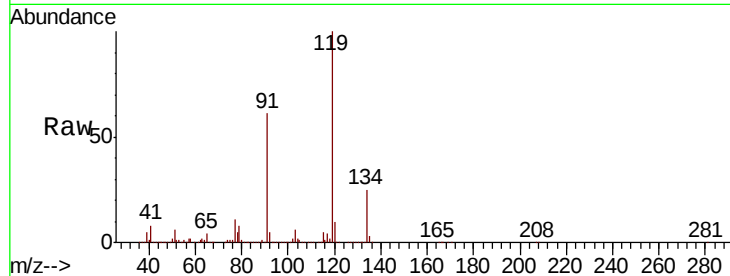




#79
tert-butylbenzene
Concen: 105.527 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

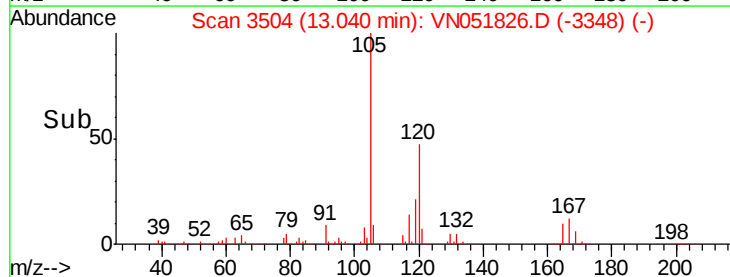
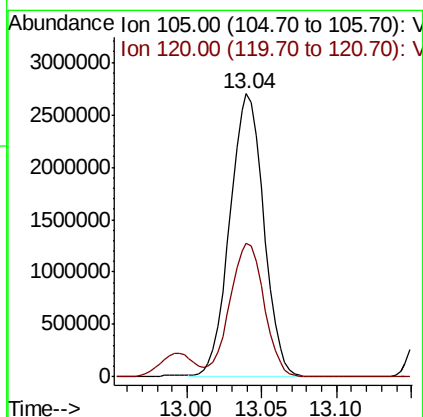
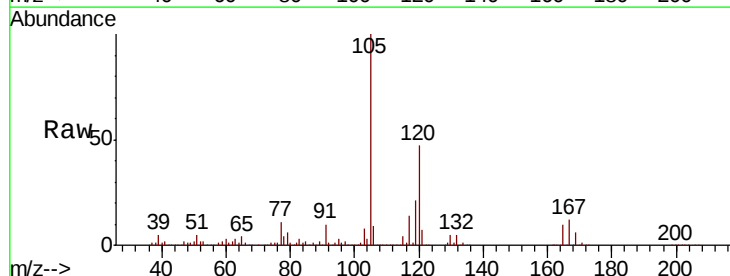
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

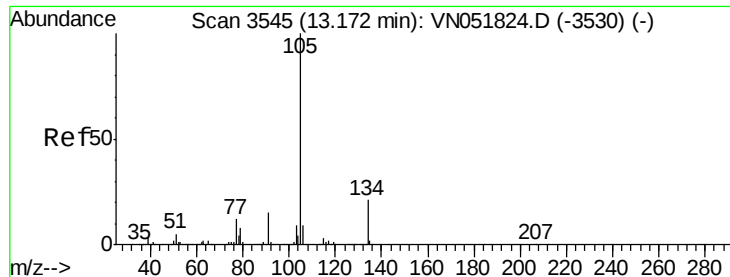
Tot Ion:119 Resp: 3877192
Ion Ratio Lower Upper
119 100
91 59.2 0.0 131.6
134 26.2 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 106.822 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion:105 Resp: 4265287
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.6





#81

sec-Butylbenzene

Concen: 105.383 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

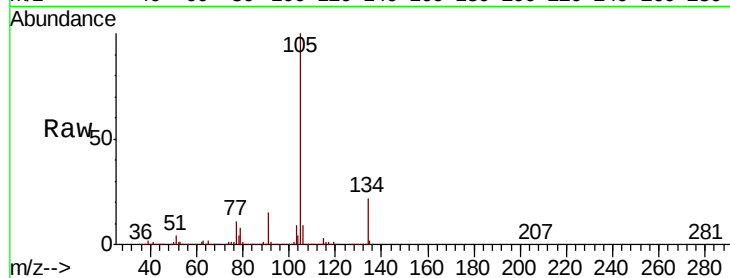
VSTDIC100

Tot Ion:105 Resp: 5065061

Ion Ratio Lower Upper

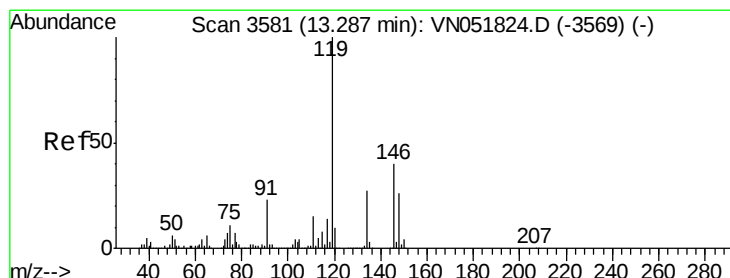
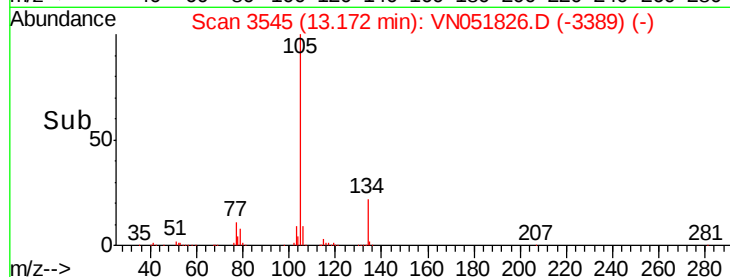
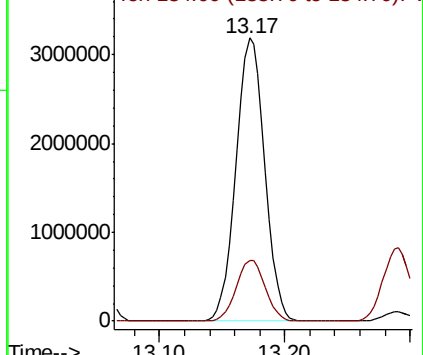
105 100

134 21.7 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: 108.557 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

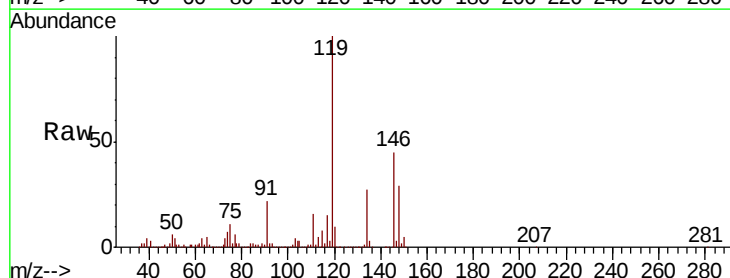
Tgt Ion:119 Resp: 4668949

Ion Ratio Lower Upper

119 100

134 27.4 0.0 53.6

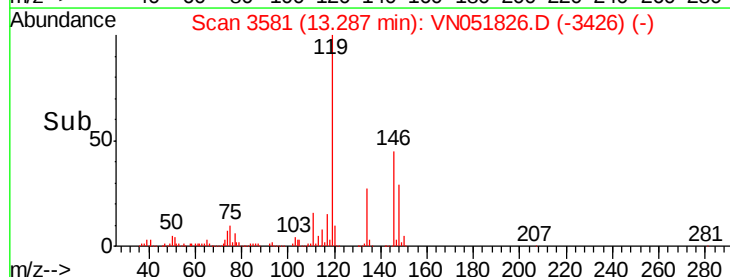
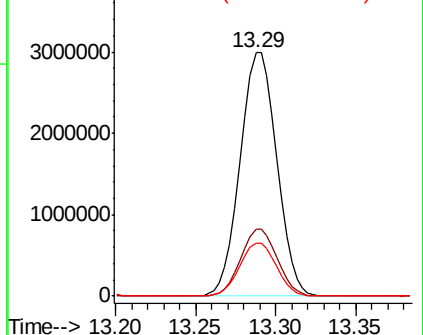
91 21.9 0.0 52.0

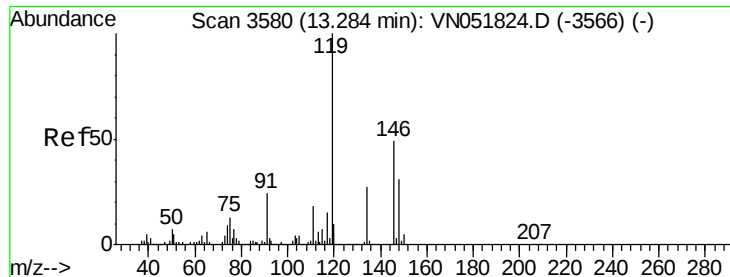


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 113.477 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

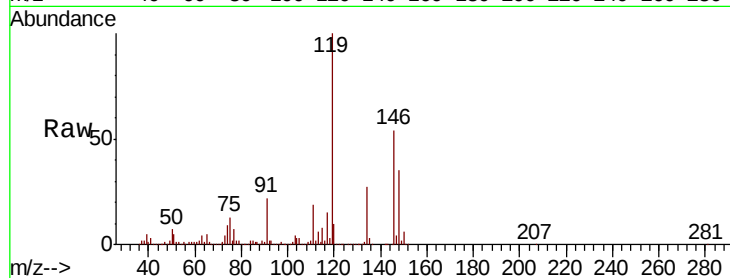
MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 2396164

Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.1	54.3
148	64.3	31.3	93.8

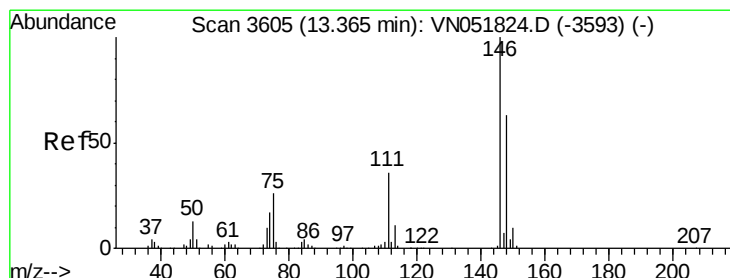
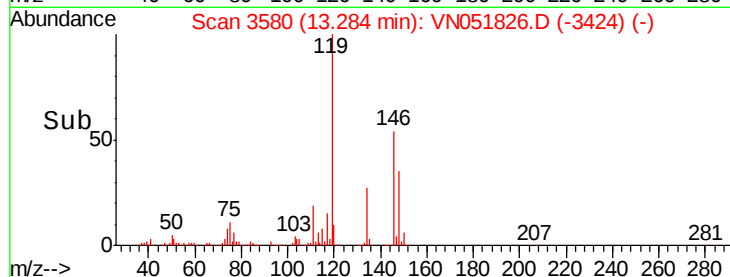
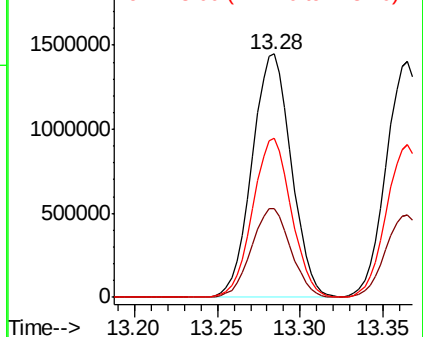


Abundance

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: 116.266 ug/l

RT: 13.36 min Scan# 3605

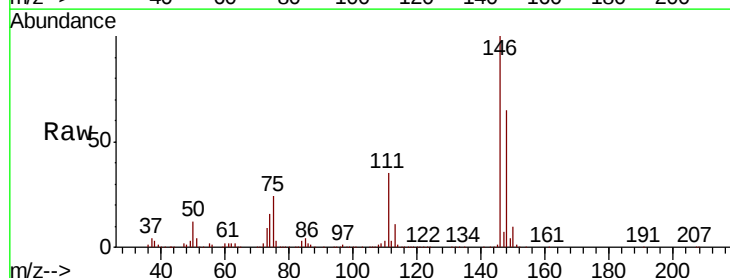
Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Tgt Ion:146 Resp: 2311241

Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.4	52.2
148	64.3	32.8	98.3

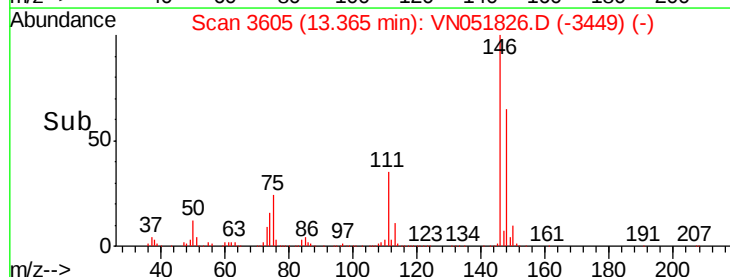
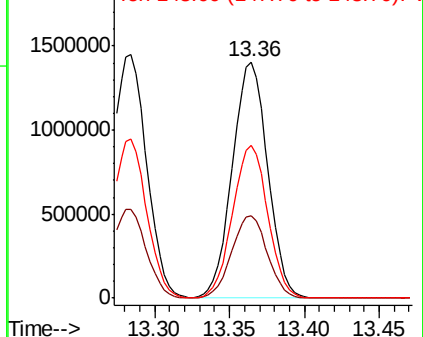


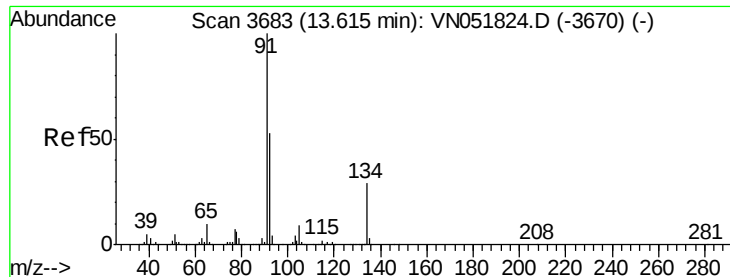
Abundance

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

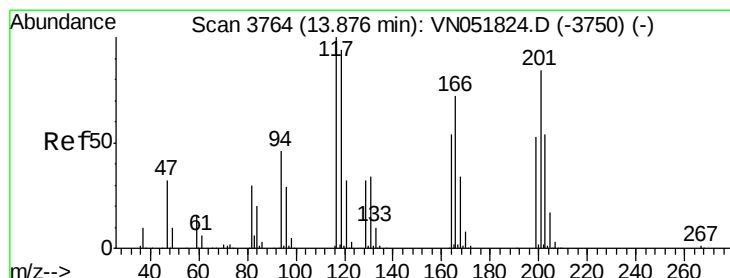
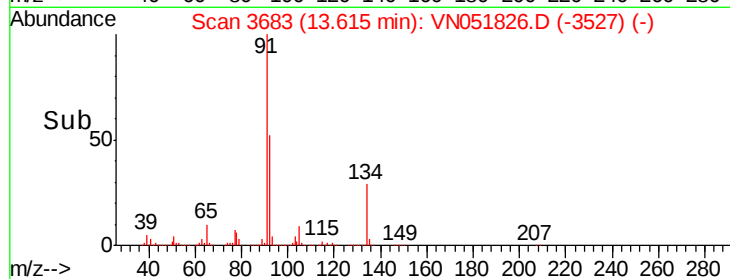
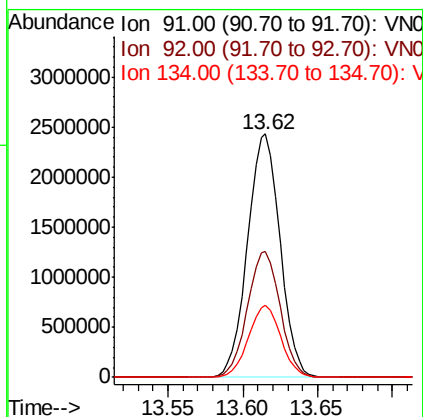
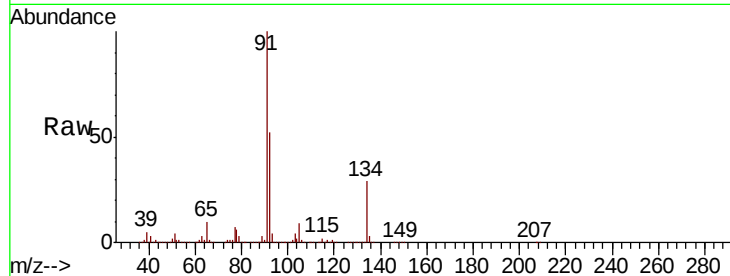




#85
n-Butylbenzene
Concen: 113.394 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

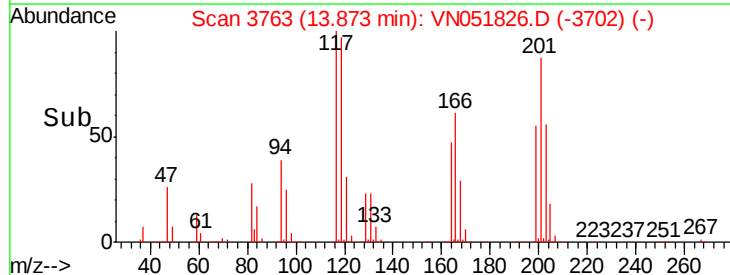
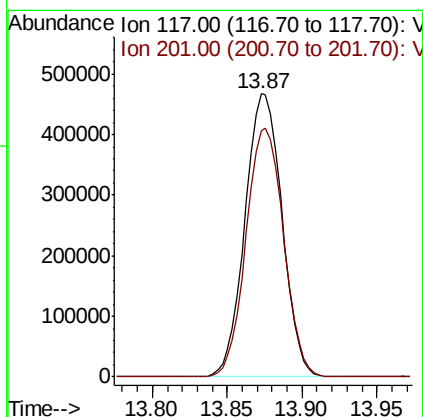
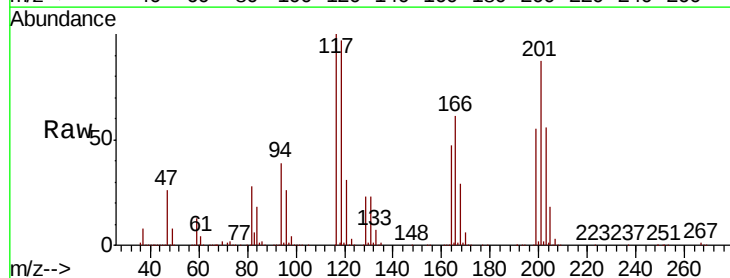
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

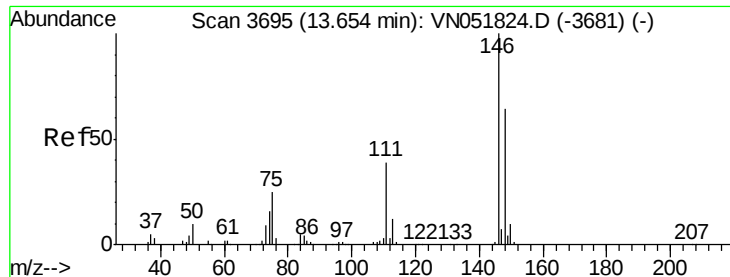
Tot Ion: 91 Resp: 3677596
Ion Ratio Lower Upper
91 100
92 52.0 0.0 97.4
134 29.4 0.0 49.6



#86
Hexachloroethane
Concen: 108.987 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051826.D
Acq: 12 Oct 2018 9:27

Tgt Ion: 117 Resp: 808232
Ion Ratio Lower Upper
117 100
201 88.7 47.8 143.3





#87

1,2-Dichlorobenzene

Concen: 112.111 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

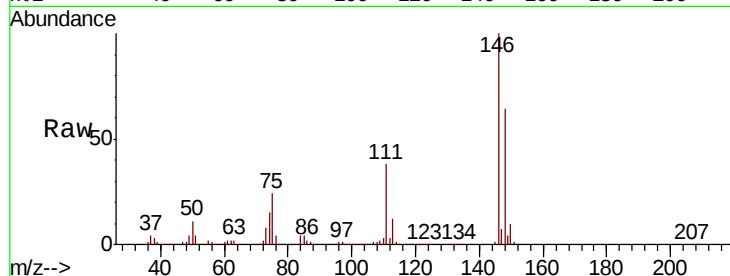
Tot Ion:146 Resp: 2291897

Ion Ratio Lower Upper

146 100

111 37.5 20.8 62.2

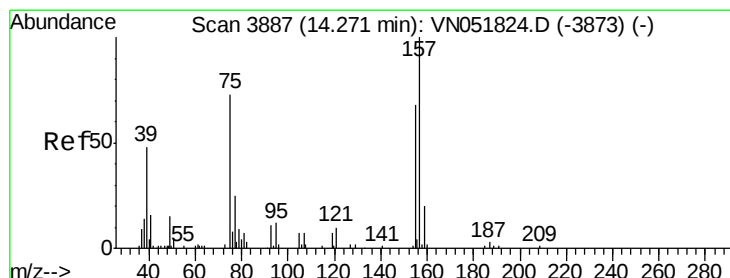
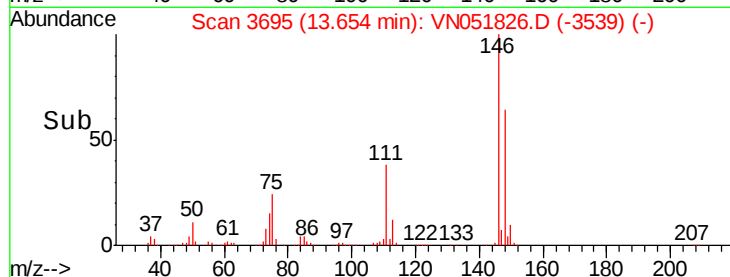
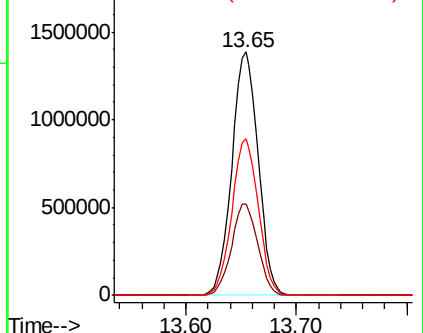
148 64.3 33.2 99.6



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: 107.102 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

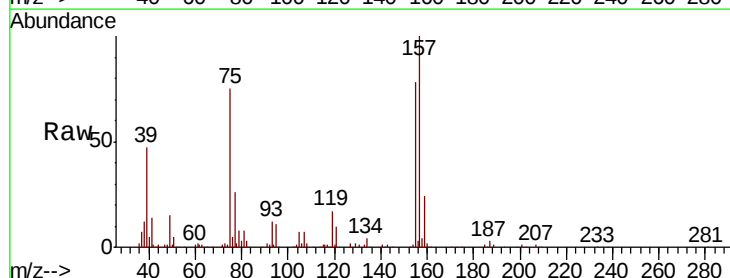
Tgt Ion: 75 Resp: 152604

Ion Ratio Lower Upper

75 100

155 107.1 57.0 85.6#

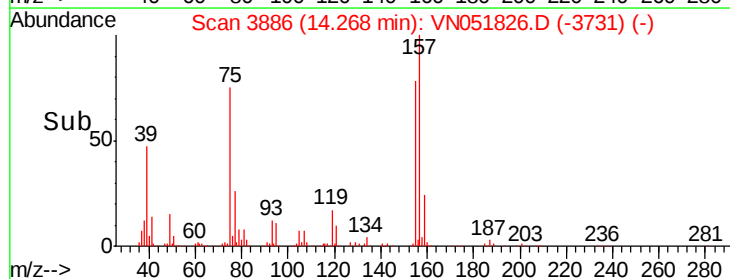
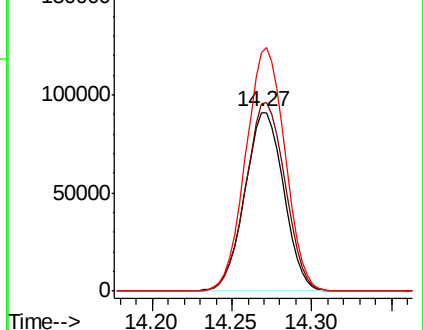
157 136.9 87.4 131.0#

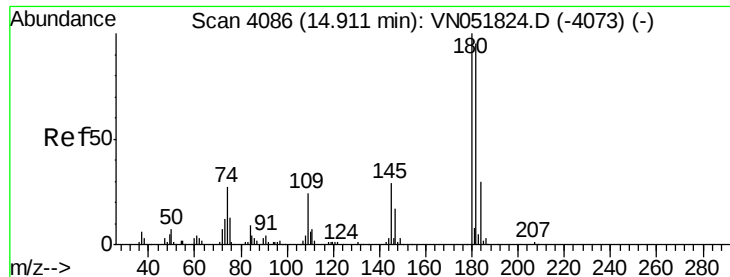


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

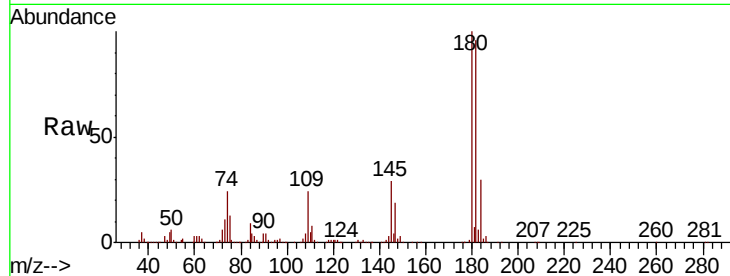




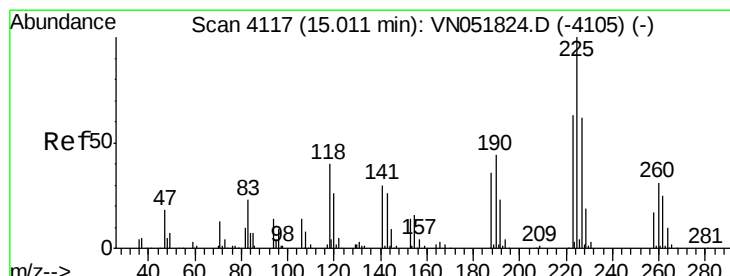
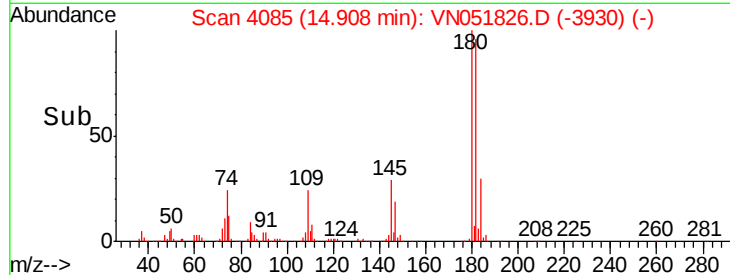
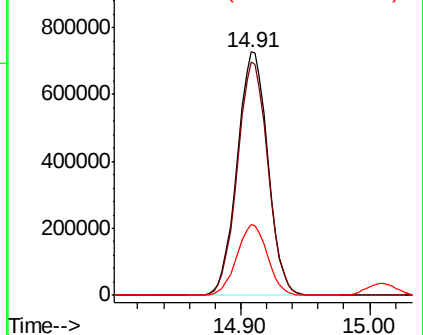
#89
 1,2,4-Trichlorobenzene
 Concen: 96.759 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:180 Resp: 1201253
 Ion Ratio Lower Upper
 180 100
 182 95.3 77.7 116.5
 145 29.1 23.4 35.2

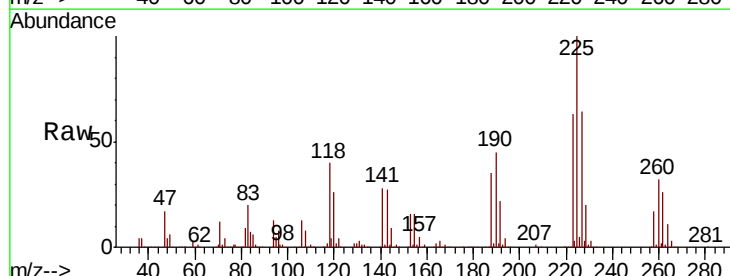


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

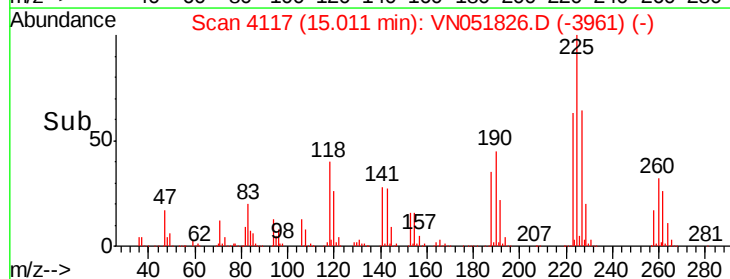
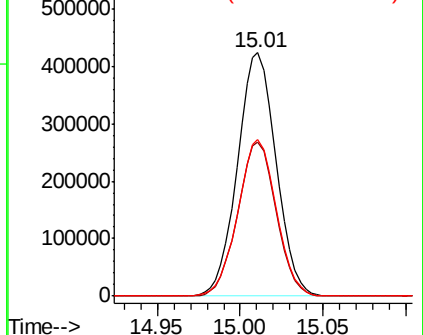


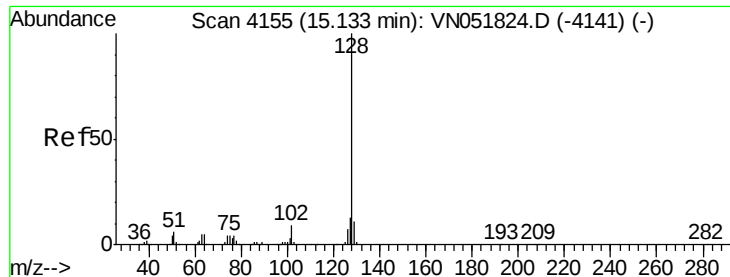
#90
 Hexachlorobutadiene
 Concen: 104.278 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051826.D
 Acq: 12 Oct 2018 9:27

Tgt Ion:225 Resp: 686990
 Ion Ratio Lower Upper
 225 100
 223 62.8 0.0 117.0
 227 63.8 0.0 127.0



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





#91

Naphthalene

Concen: 95.820 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

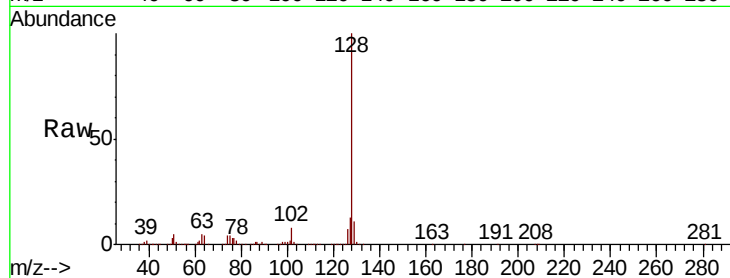
Tot Ion:128 Resp: 2440720

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

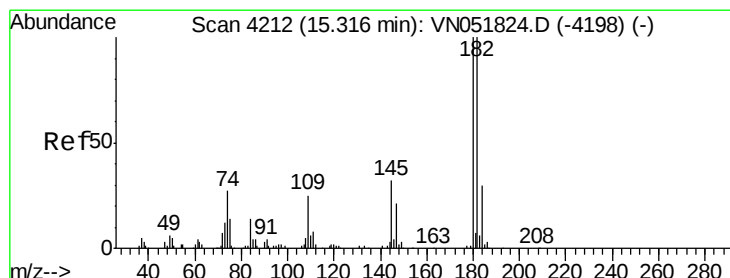
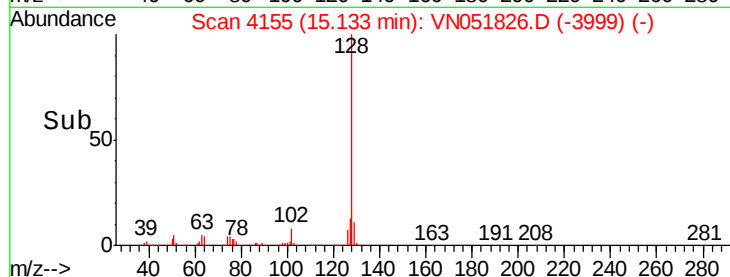
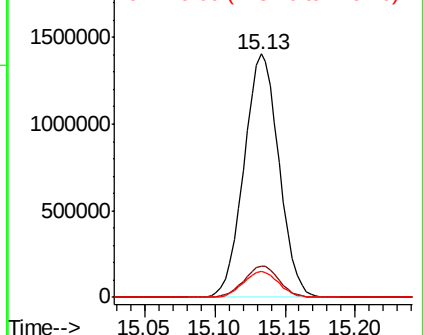
129 10.8 8.4 12.6



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: 121.923 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051826.D

Acq: 12 Oct 2018 9:27

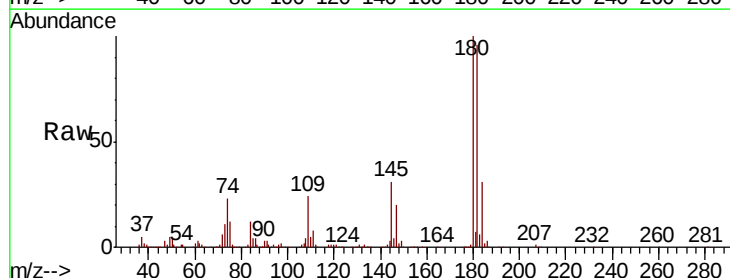
Tgt Ion:180 Resp: 1134001

Ion Ratio Lower Upper

180 100

182 95.6 0.0 198.0

145 31.3 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

