

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051827.D
 Acq On : 12 Oct 2018 9:52
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Oct 22 07:01:06 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	165680	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	906239	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	856949	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	281343	27.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.03%
60) 4-Bromofluorobenzene	12.40	95	392208	31.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.80%
63) Toluene-d8	10.09	98	1080092	29.03	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.77%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1027906	159.694	ug/l 100
3) Chloromethane	2.06	50	969414	142.503	ug/l 99
4) Vinyl Chloride	2.18	62	1455608	143.283	ug/l 98
5) Bromomethane	2.55	94	1300544	144.889	ug/l 86
6) Chloroethane	2.69	64	1014865	138.616	ug/l 100
7) Trichlorofluoromethane	3.01	101	2181965	150.650	ug/l 96
8) Diethyl Ether	3.41	74	617211	146.384	ug/l 71
10) 1,1-Dichloroethene	3.73	96	1109739	145.481	ug/l 84
11) Methyl Iodide	3.95	142	1868488	168.501	ug/l 94
12) Methyl Acetate	4.33	43	706667	149.187	ug/l 90
13) Acrolein	3.61	56	222588	713.223	ug/l 90
14) Acrylonitrile	4.99	53	1603102	757.236	ug/l # 61
15) Acetone	3.82	58	370978	708.872	ug/l 99
16) Carbon Disulfide	4.05	76	3100631	154.773	ug/l 98
17) Allvl chloride	4.32	41	1308945	144.535	ug/l 75
18) Methylene Chloride	4.55	84	1256876	147.366	ug/l # 87
19) trans-1,2-Dichloroethene	5.04	96	1298645	149.096	ug/l 81
20) Diisopropyl ether	5.96	45	2894389	143.503	ug/l # 79
21) 1,1-Dichloroethane	5.85	63	2004203	142.210	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	1500715	146.688	ug/l # 80
23) tert-Butyl Alcohol	4.79	59	422436	757.646	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	3215800	146.325	ug/l # 68
25) Chloroform	7.37	83	2431522	145.428	ug/l 97
26) Cyclohexane	7.65	56	1670821	139.840	ug/l # 69
29) 1,1-Dichloropropene	7.79	75	1755159	150.251	ug/l 94
30) 2-Butanone	6.84	43	1775125	727.042	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	2010031	146.269	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	2343847	151.341	ug/l # 93
33) Carbon Tetrachloride	7.77	117	2174707	155.205	ug/l 92
35) Methacrylonitrile	7.18	41	454814	141.784	ug/l 74
36) 1,2-Dichloroethane	7.65	62	4726	0.427	ug/l 96
37) Trichloroethene	8.83	130	1635182	152.446	ug/l 95
38) Methylcyclohexane	9.08	83	2243129	149.714	ug/l 78
39) 1,2-Dichloropropane	9.12	63	1187651	145.949	ug/l 96
40) Dibromomethane	9.21	93	925370	153.220	ug/l 94
41) Bromodichloromethane	9.40	83	1936083	155.200	ug/l 95
42) Vinyl Acetate	5.90	43	10491218	763.308	ug/l # 87

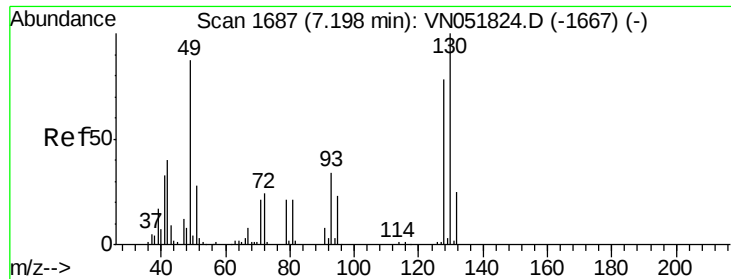
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.93	43	809894	152.765	ug/l	98
44) Isopropyl Acetate	8.17	43	1607103	151.767	ug/l	96
45) 1,4-Dioxane	9.20	88	275517	3240.348	ug/l #	73
46) Methyl methacrylate	9.20	41	756467	154.876	ug/l	71
47) n-amyl Acetate	12.25	43	17404	1.963	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	1975096	162.360	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	2121202	158.176	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	1304526	156.332	ug/l	94
51) Ethyl methacrylate	10.43	69	1541507	161.356	ug/l	84
52) 1,3-Dichloropropane	10.71	76	1960999	152.265	ug/l	98
53) Dibromochloromethane	10.90	129	1735729	168.142	ug/l	96
54) 1,2-Dibromoethane	11.01	107	1411619	161.165	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	3428186	839.411	ug/l #	92
56) Bromoform	12.13	173	1270246	186.579	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	4226328	736.980	ug/l #	85
59) 2-Hexanone	10.75	43	2875674	743.294	ug/l #	89
61) Tetrachloroethene	10.63	164	1601840	146.165	ug/l	97
62) Toluene	10.16	91	6387570	150.041	ug/l	98
64) Chlorobenzene	11.43	112	4322206	155.021	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	1686097	157.555	ug/l	100
66) Ethyl Benzene	11.51	91	7174852	152.493	ug/l	98
67) m/p-Xylenes	11.62	106	5954701	312.169	ug/l	95
68) o-Xylene	11.95	106	2908443	154.665	ug/l	88
69) Styrene	11.96	104	4763408	165.097	ug/l	96
70) Isopropylbenzene	12.25	105	7791611	155.376	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	1540759	155.582	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	1936399	248.552	ug/l	70
73) Bromobenzene	12.53	156	2088262	168.122	ug/l	78
74) n-propylbenzene	12.59	91	8548835	158.486	ug/l	93
75) 2-Chlorotoluene	12.68	91	4915138	155.428	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	6569781	158.429	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	469091	182.056	ug/l	90
78) 4-Chlorotoluene	12.77	91	5063845	162.981	ug/l	89
79) tert-butylbenzene	12.99	119	5883458	154.277	ug/l	93
80) 1,2,4-Trimethylbenzene	13.04	105	6612514	159.551	ug/l	96
81) sec-Butylbenzene	13.17	105	7882314	158.002	ug/l	95
82) p-Isopropyltoluene	13.29	119	7308323	163.712	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	3829843	174.741	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	3706826	179.652	ug/l	99
85) n-Butylbenzene	13.62	91	5793053	172.090	ug/l	93
86) Hexachloroethane	13.88	117	1284941	166.933	ug/l	94
87) 1,2-Dichlorobenzene	13.65	146	3614733	170.354	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	243187	164.436	ug/l #	64
89) 1,2,4-Trichlorobenzene	14.91	180	2038341	153.276	ug/l	99
90) Hexachlorobutadiene	15.01	225	1076296	157.398	ug/l	97
91) Naphthalene	15.13	128	4225949	154.138	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	1897501	196.552	ug/l	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

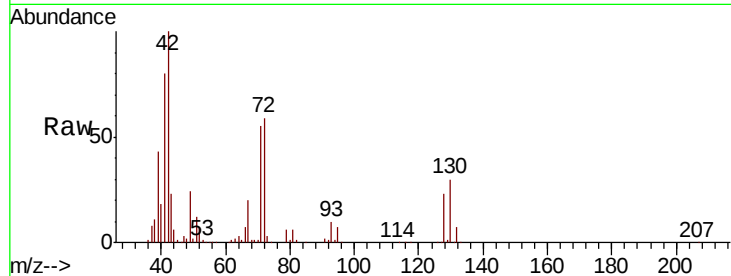
Tot Ion:128 Resp: 165680

Ion Ratio Lower Upper

128 100

49 110.8 0.0 403.3

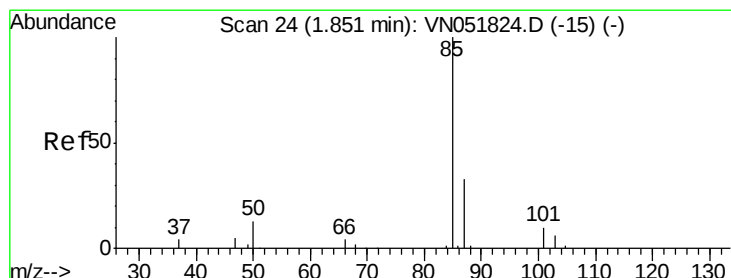
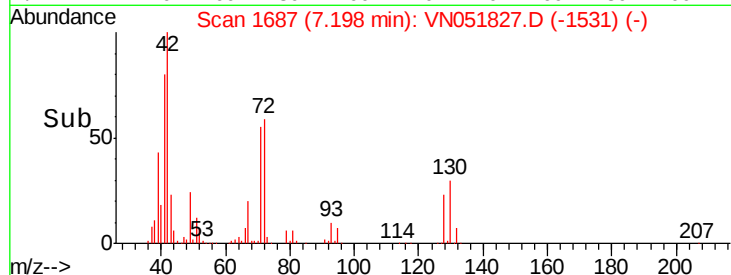
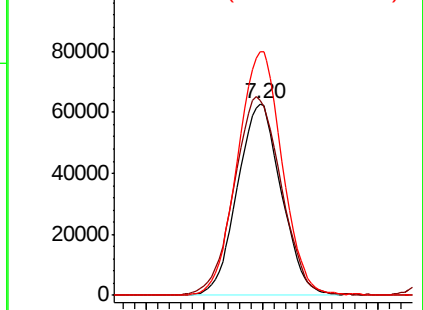
130 129.7 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 159.694 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051827.D

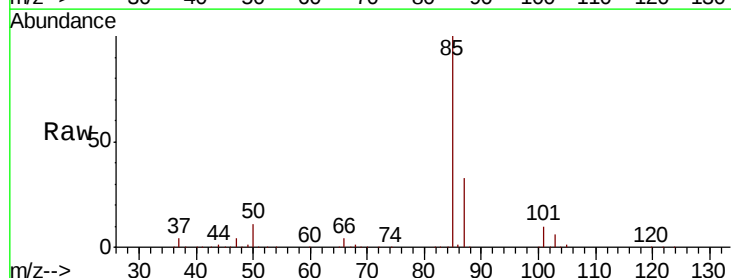
Acq: 12 Oct 2018 9:52

Tgt Ion: 85 Resp: 1027906

Ion Ratio Lower Upper

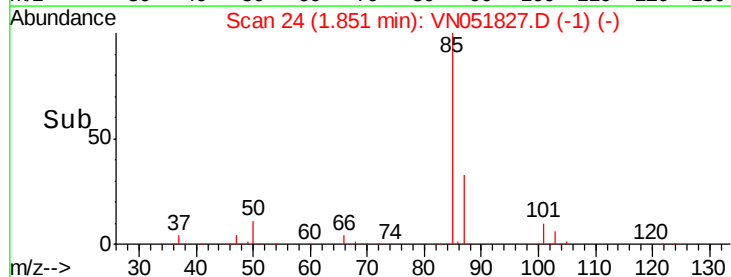
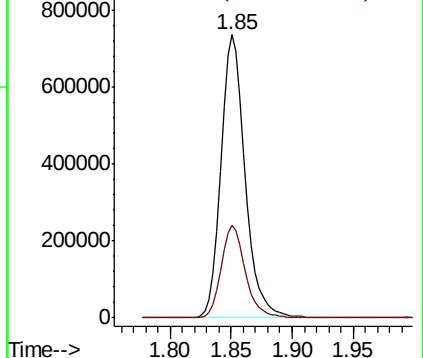
85 100

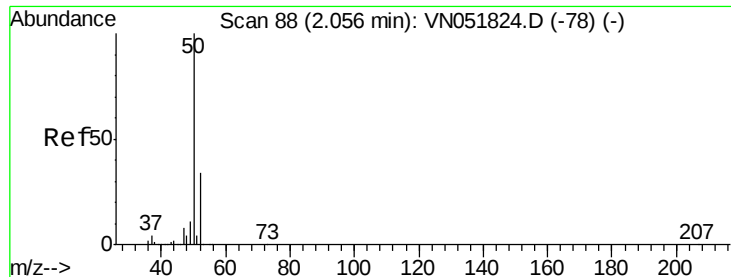
87 32.7 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): V

Ion 87.00 (86.70 to 87.70): V





#3

Chloromethane

Concen: 142.503 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

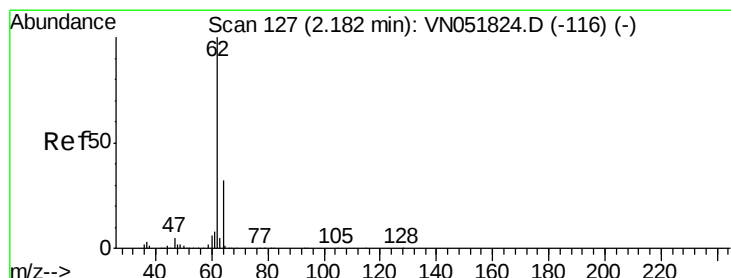
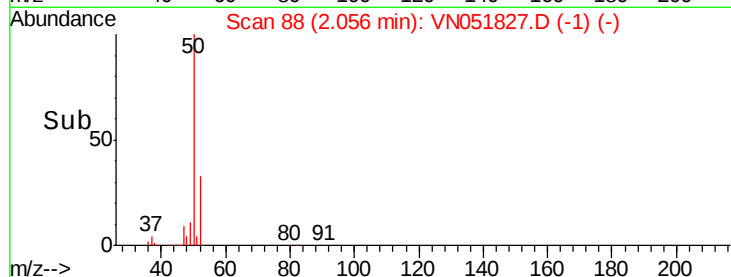
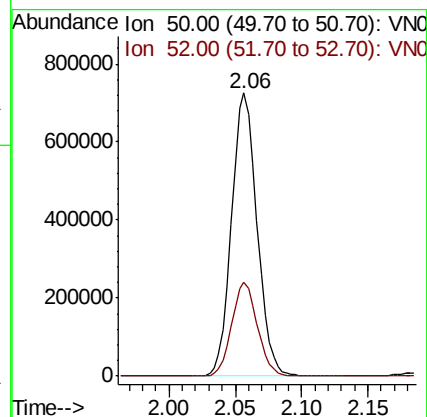
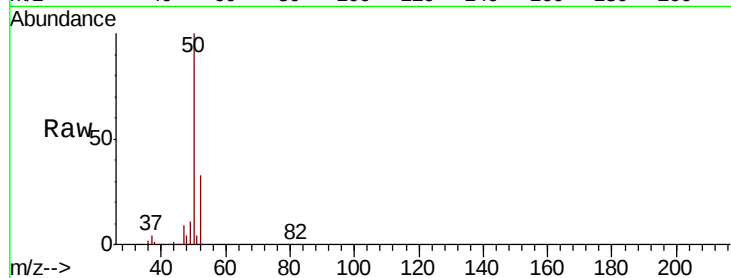
VSTDIC150

Tot Ion: 50 Resp: 969414

Ion Ratio Lower Upper

50 100

52 33.3 27.2 40.8



#4

Vinyl Chloride

Concen: 143.283 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051827.D

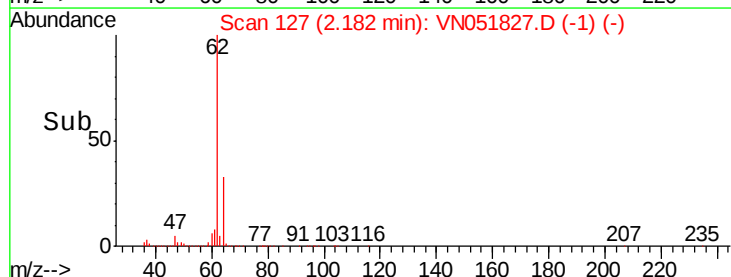
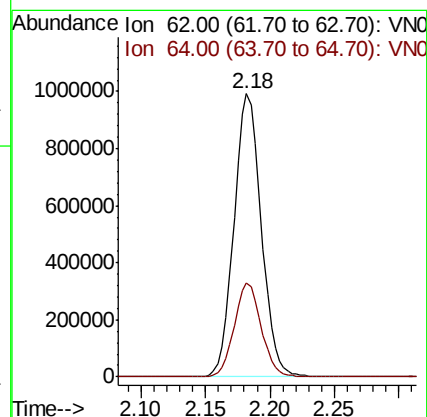
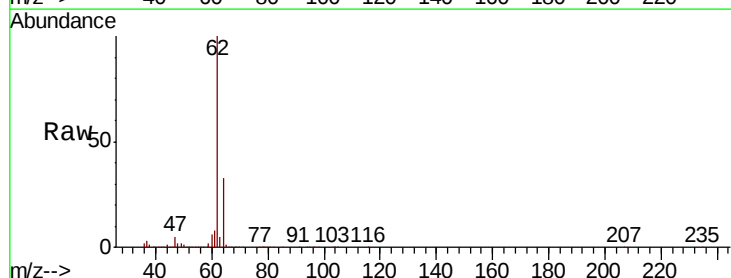
Acq: 12 Oct 2018 9:52

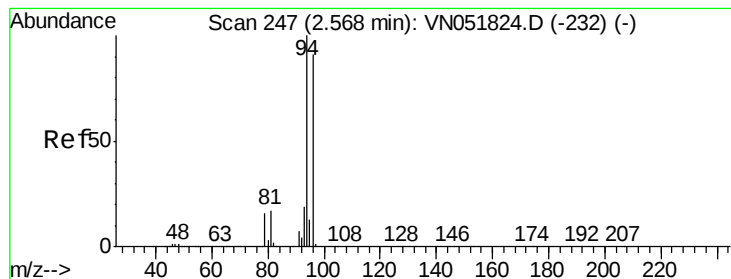
Tgt Ion: 62 Resp: 1455608

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2





#5

Bromomethane

Concen: 144.889 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.02 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

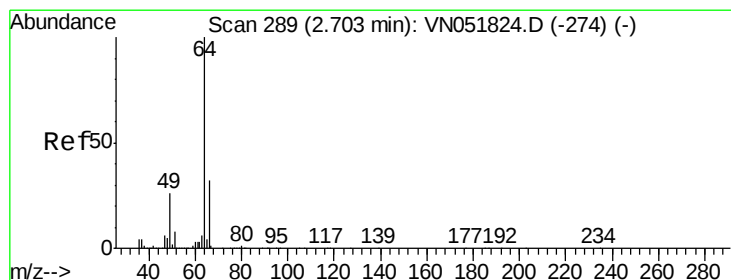
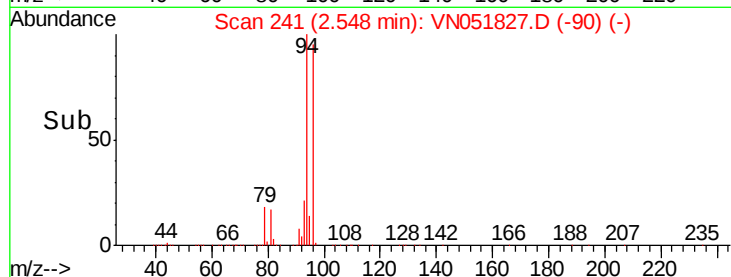
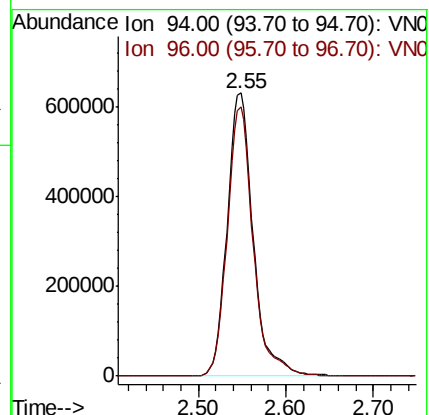
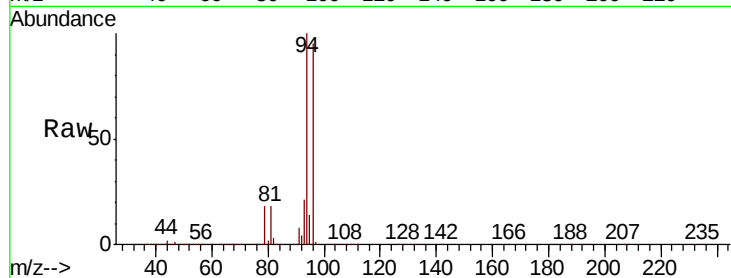
VSTDIC150

Tot Ion: 94 Resp: 1300544

Ion Ratio Lower Upper

94 100

96 95.2 66.4 99.6



#6

Chloroethane

Concen: 138.616 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN051827.D

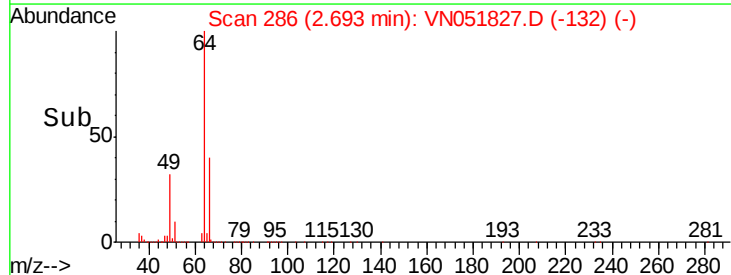
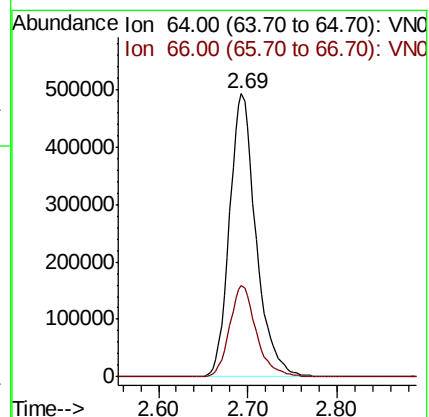
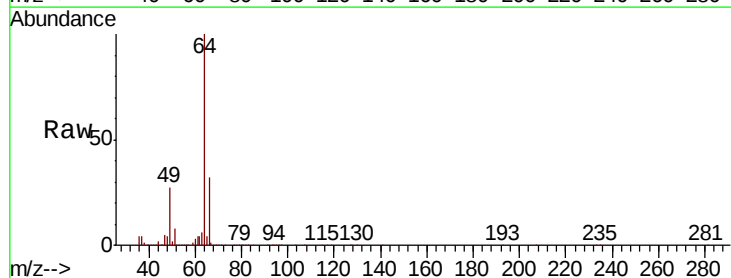
Acq: 12 Oct 2018 9:52

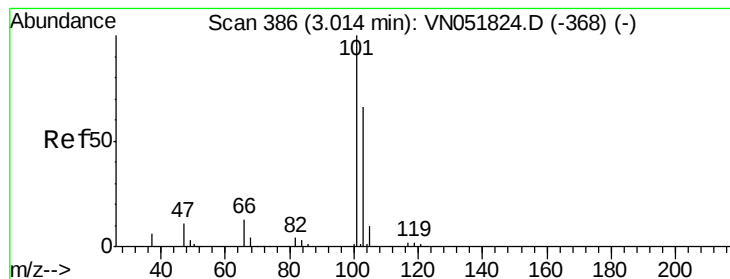
Tgt Ion: 64 Resp: 1014865

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



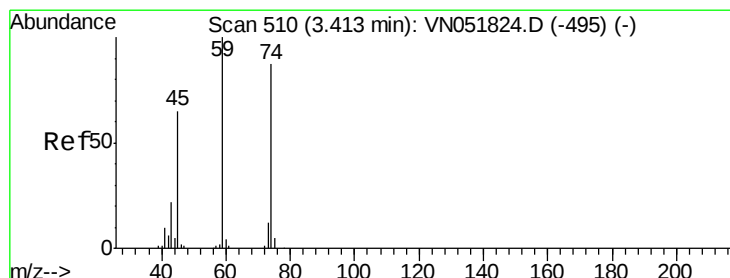
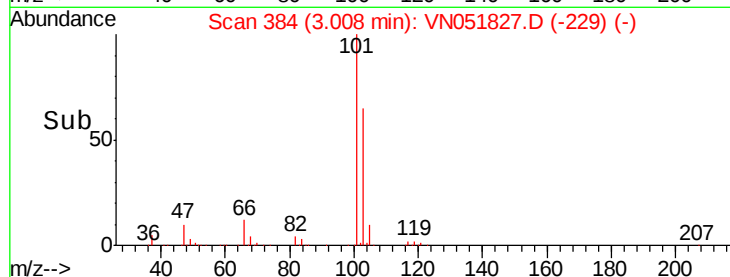
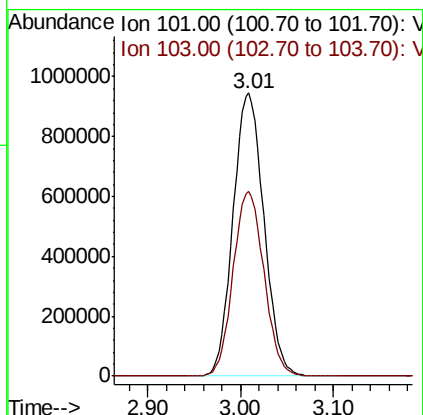
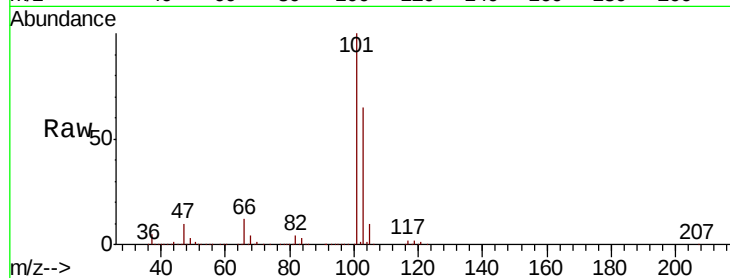


#7

Trichlorofluoromethane
 Concen: 150.650 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Instrument :
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 VSTDIC150

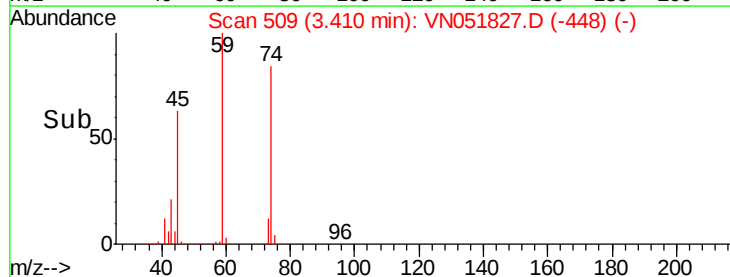
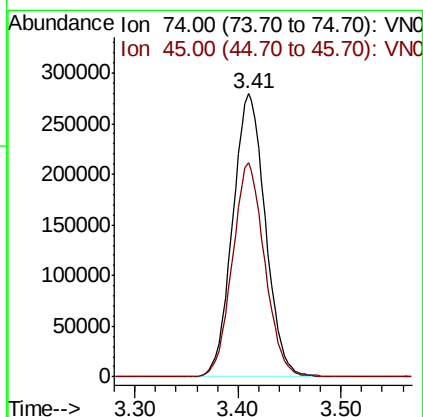
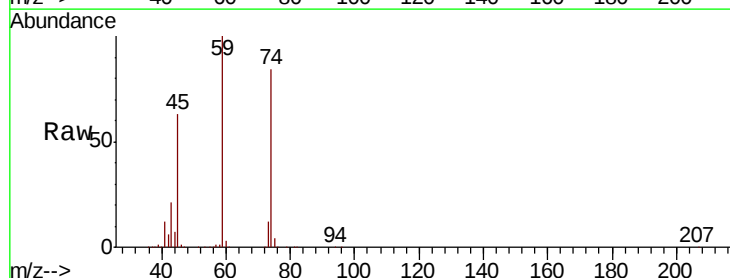
Tot Ion:101 Resp: 2181965
 Ion Ratio Lower Upper
 101 100
 103 65.1 54.8 82.2

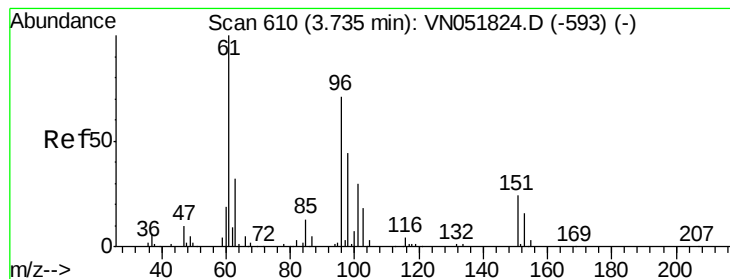


#8

Diethyl Ether
 Concen: 146.384 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion: 74 Resp: 617211
 Ion Ratio Lower Upper
 74 100
 45 74.5 20.7 186.5





#10

1,1-Dichloroethene

Concen: 145.481 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

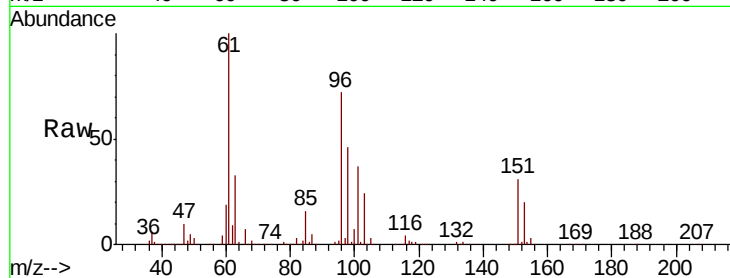
Tot Ion: 96 Resp: 1109739

Ion Ratio Lower Upper

96 100

61 138.0 133.0 199.6

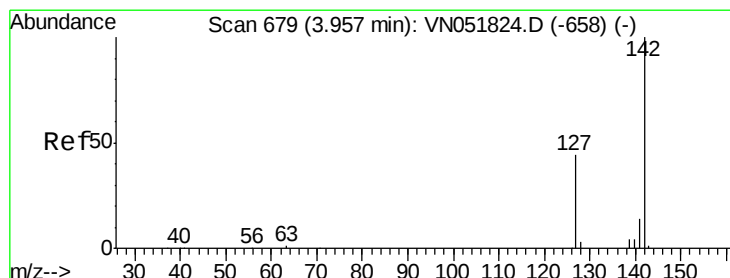
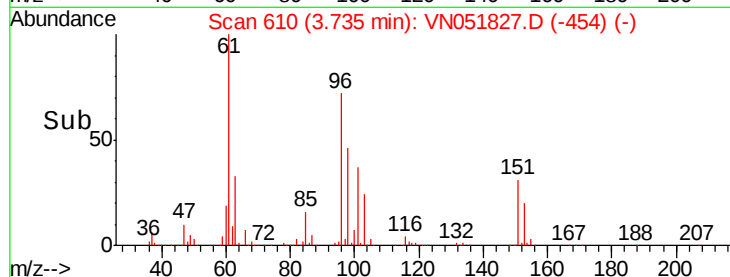
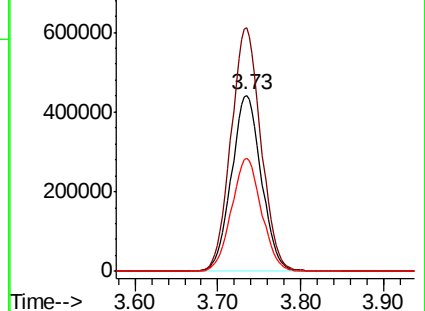
98 63.9 52.6 78.8



Abundance Ion 96.00 (95.70 to 96.70): VN051827.D (-522) (-)

Ion 61.00 (60.70 to 61.70): VN051827.D (-522) (-)

Ion 98.00 (97.70 to 98.70): VN051827.D (-522) (-)



#11

Methyl Iodide

Concen: 168.501 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

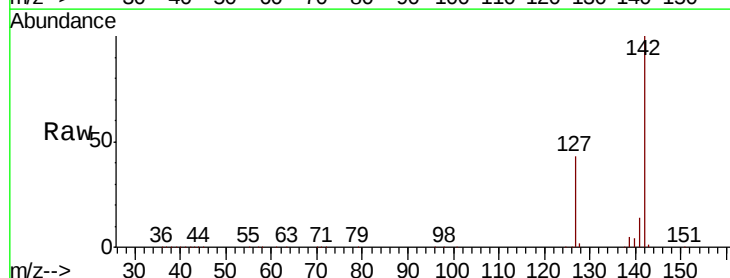
Tgt Ion: 142 Resp: 1868488

Ion Ratio Lower Upper

142 100

127 43.5 19.7 59.0

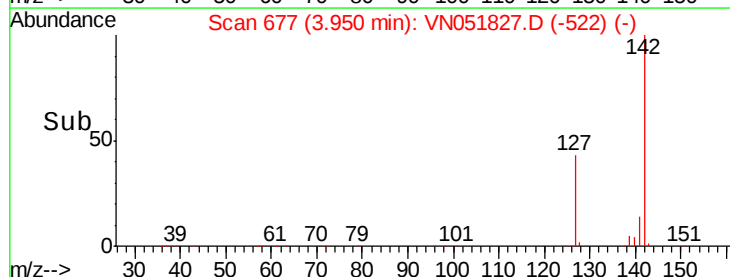
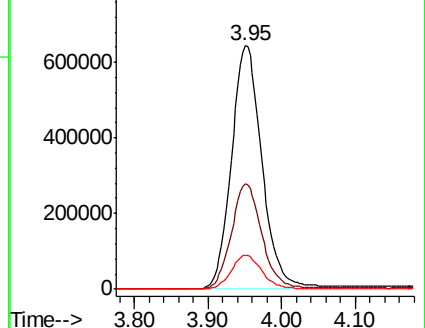
141 13.9 6.3 18.9

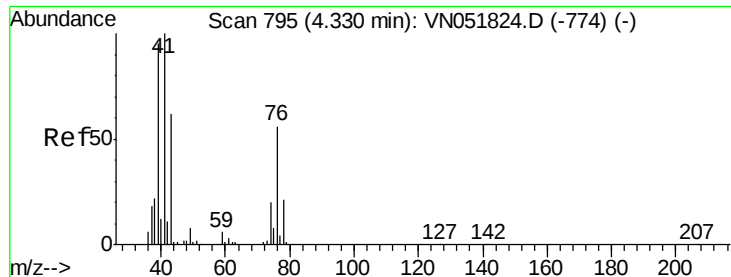


Abundance Ion 142.00 (141.70 to 142.70): VN051827.D (-522) (-)

Ion 127.00 (126.70 to 127.70): VN051827.D (-522) (-)

Ion 141.00 (140.70 to 141.70): VN051827.D (-522) (-)

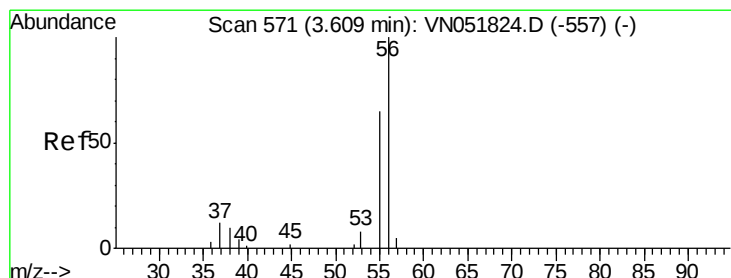
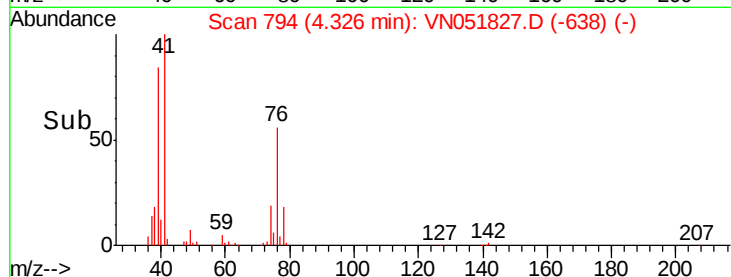
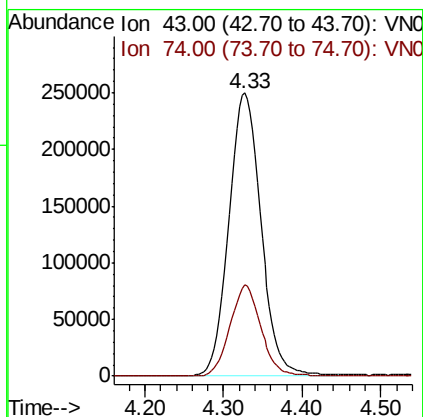
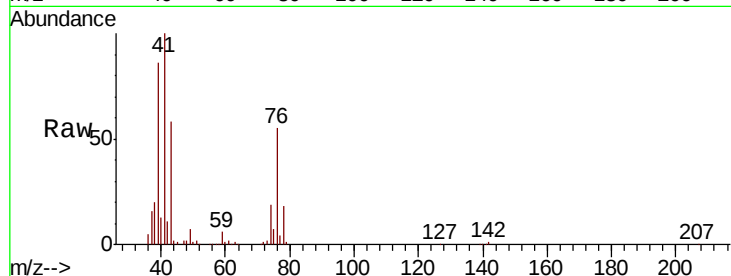




#12
Methvl Acetate
Concen: 149.187 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

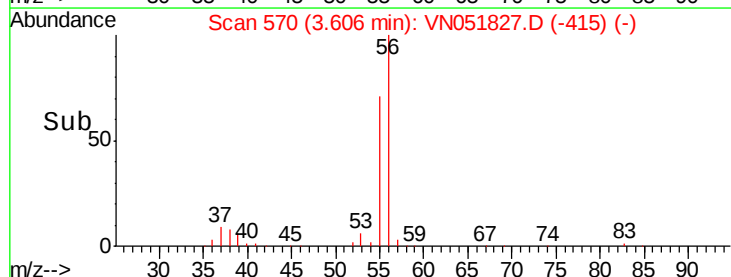
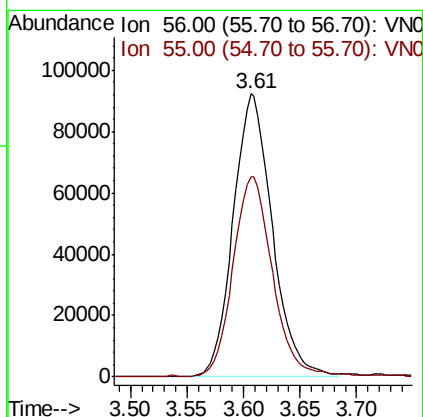
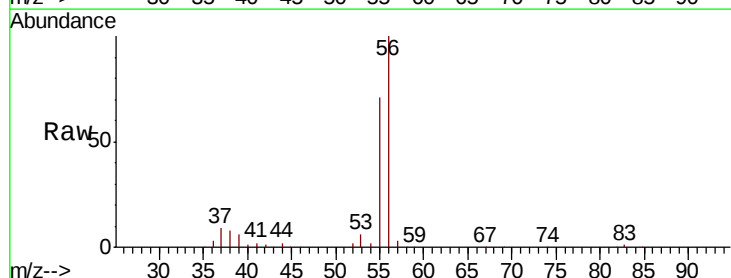
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

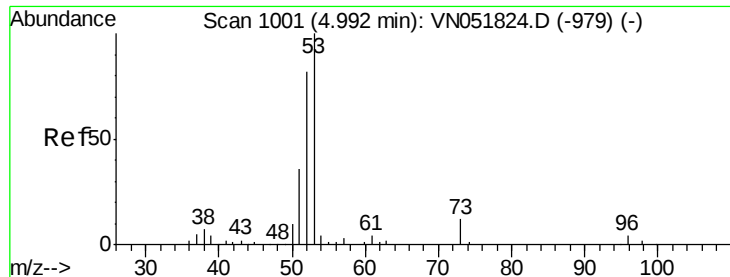
Tot Ion: 43 Resp: 706667
Ion Ratio Lower Upper
43 100
74 32.2 21.8 32.6



#13
Acrolein
Concen: 713.223 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 56 Resp: 222588
Ion Ratio Lower Upper
56 100
55 71.6 64.0 96.0





#14

Acrylonitrile

Concen: 757.236 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

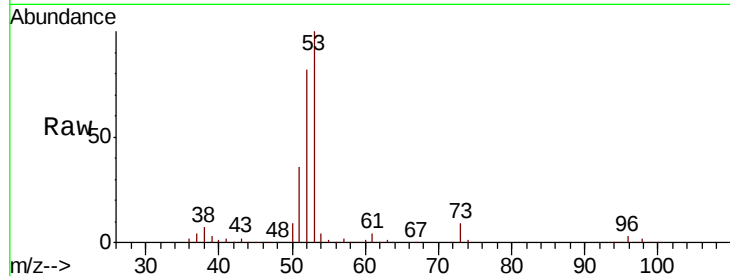
MSVOA_N

ClientSampleId :

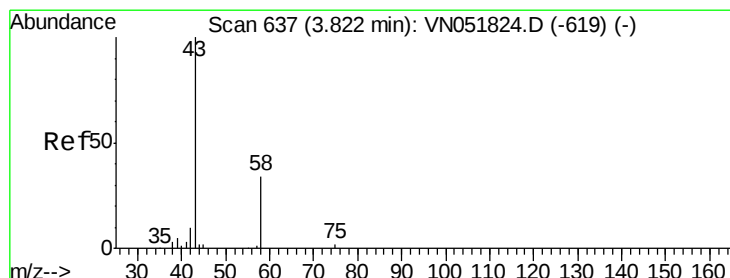
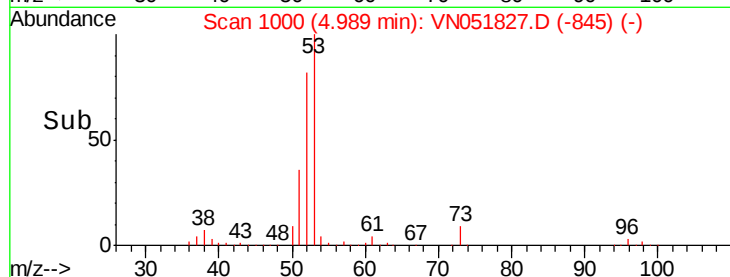
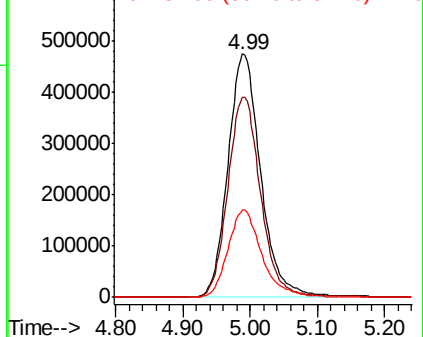
VSTDIC150

Tot Ion: 53 Resp: 1603102

Ion	Ratio	Lower	Upper
53	100		
52	82.2	18.3	54.8#
51	37.3	19.7	59.1



Abundance Ion 53.00 (52.70 to 53.70): VN051827.D (-979) (-)



#15

Acetone

Concen: 708.872 ug/l

RT: 3.82 min Scan# 637

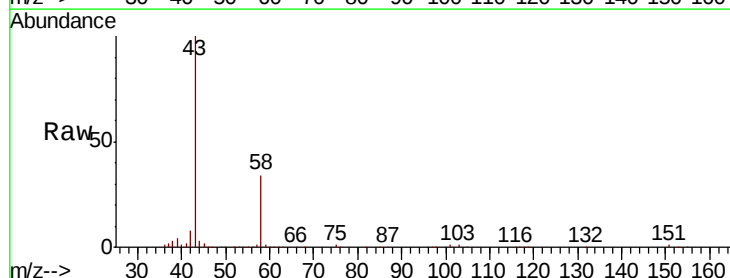
Delta R.T. 0.00 min

Lab File: VN051827.D

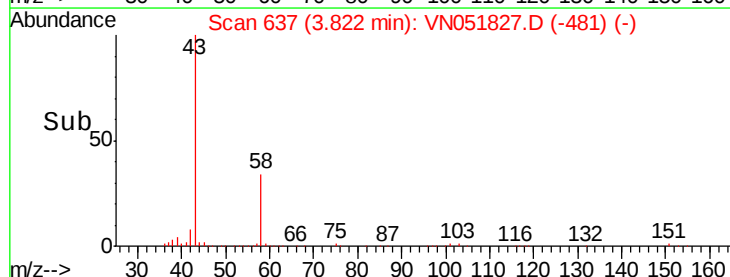
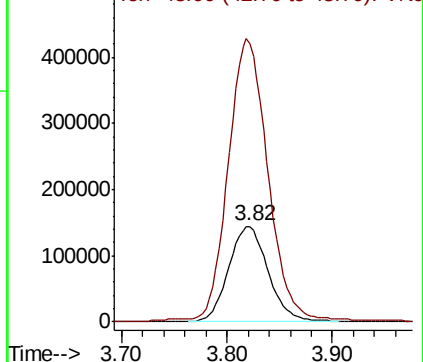
Acq: 12 Oct 2018 9:52

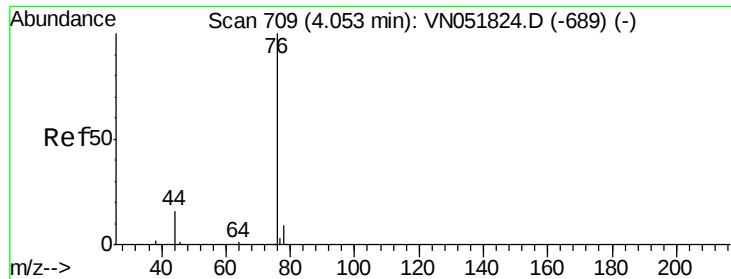
Tgt Ion: 58 Resp: 370978

Ion	Ratio	Lower	Upper
58	100		
43	291.7	232.2	348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051827.D (-481) (-)

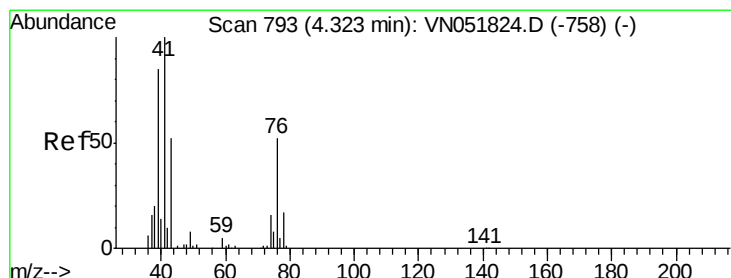
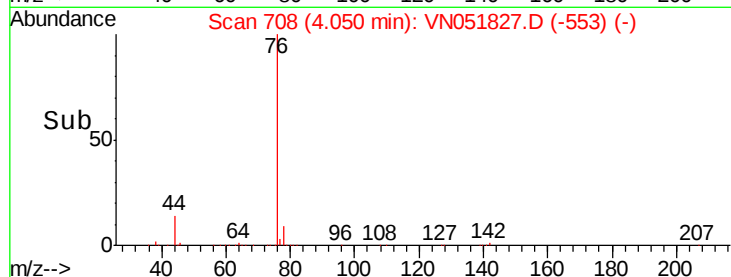
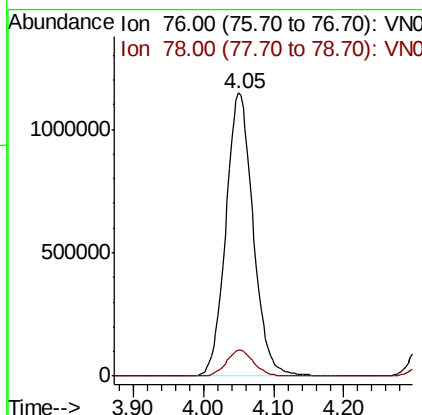
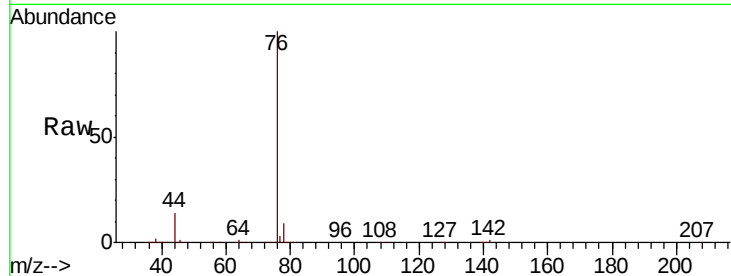




#16
Carbon Disulfide
Concen: 154.773 ug/l
RT: 4.05 min Scan# 708
Delta R.T. -0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

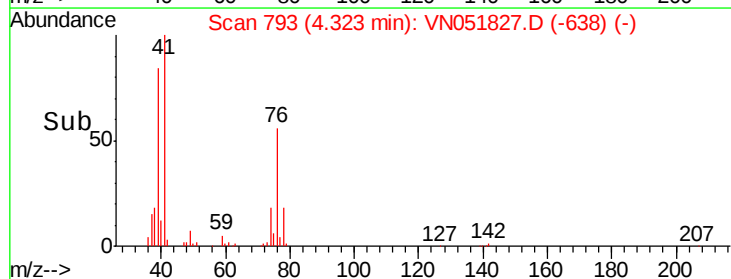
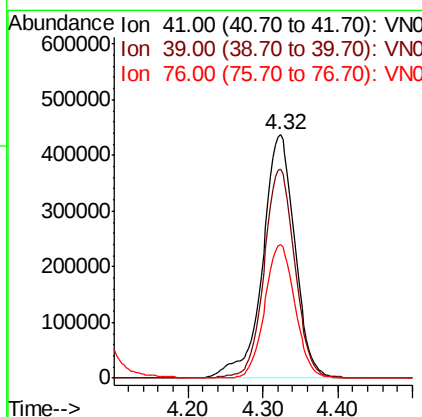
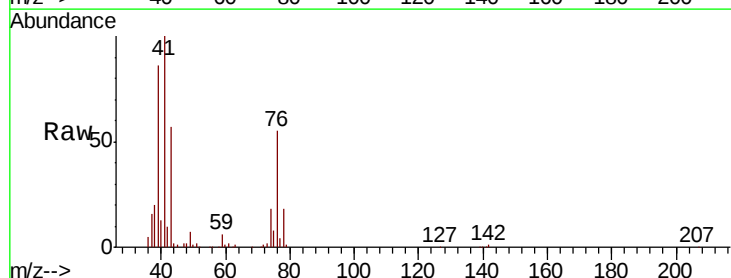
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

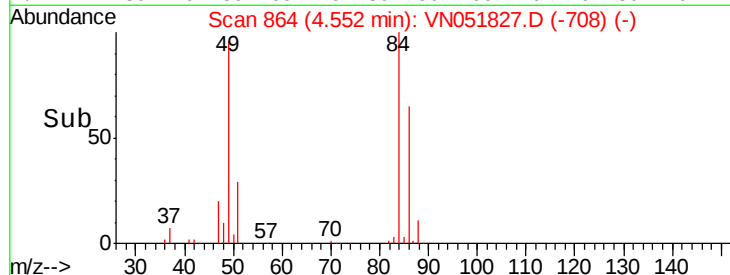
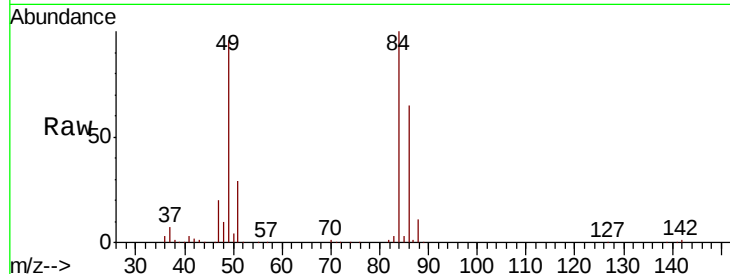
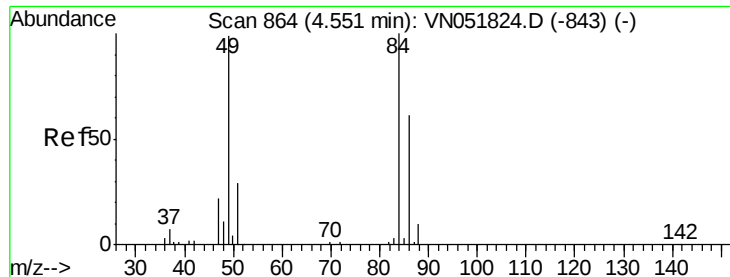
Tot Ion: 76 Resp: 3100631
Ion Ratio Lower Upper
76 100
78 9.3 6.7 10.1



#17
Allyl chloride
Concen: 144.535 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 41 Resp: 1308945
Ion Ratio Lower Upper
41 100
39 85.7 32.6 97.8
76 54.6 20.2 60.5

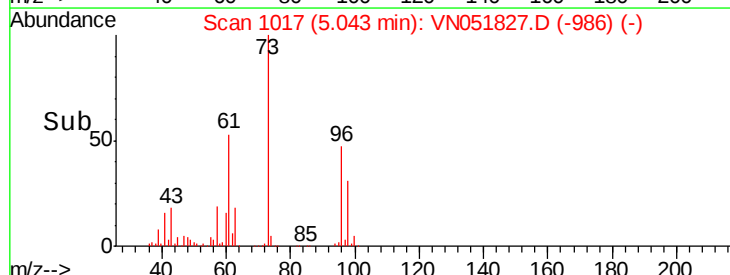
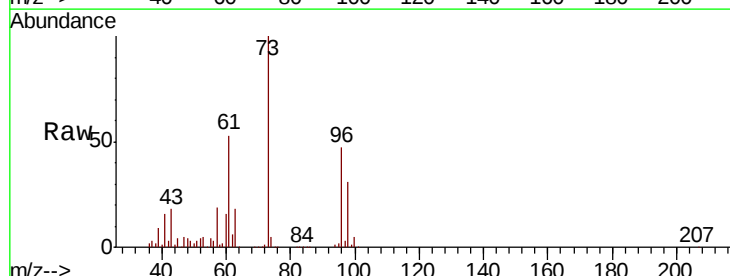
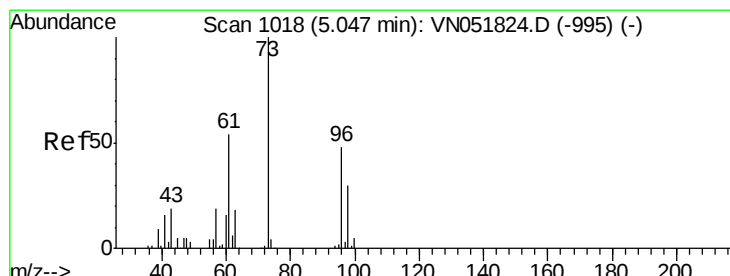
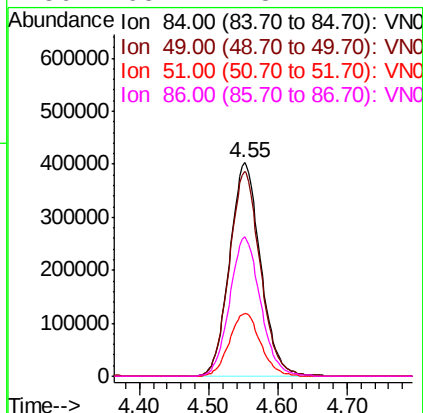




#18
Methvlene Chloride
Concen: 147.366 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

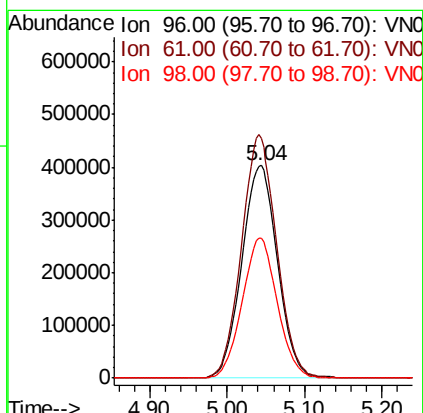
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

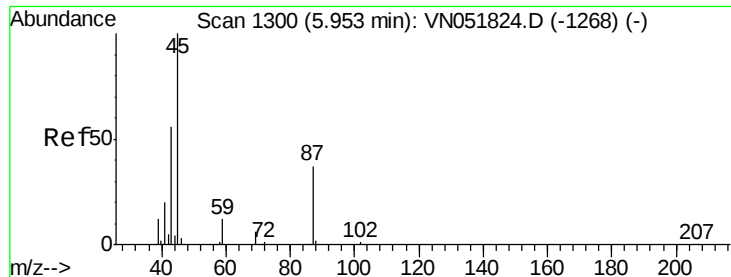
Tot Ion: 84 Resp: 1256876
Ion Ratio Lower Upper
84 100
49 95.8 91.6 137.4
51 29.3 29.8 44.6#
86 65.1 48.2 72.4



#19
trans-1,2-Dichloroethene
Concen: 149.096 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 96 Resp: 1298645
Ion Ratio Lower Upper
96 100
61 112.8 112.3 168.5
98 65.6 47.1 70.7



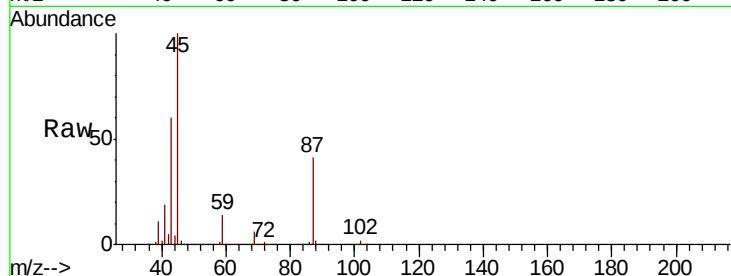


#20
Diisopropyl ether
Concen: 143.503 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

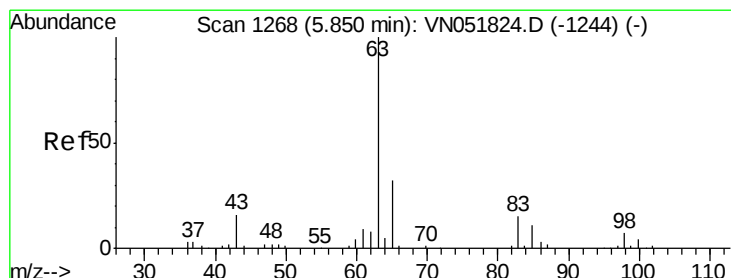
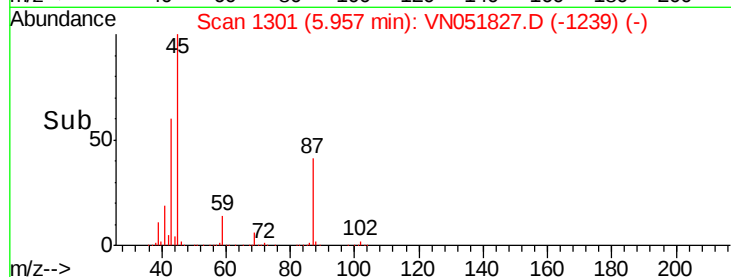
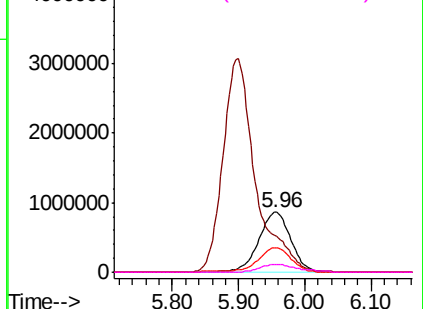
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 45 Resp: 2894389

Ion	Ratio	Lower	Upper
45	100		
43	59.5	62.1	93.1#
87	40.8	19.9	29.9#
59	13.4	9.8	14.6



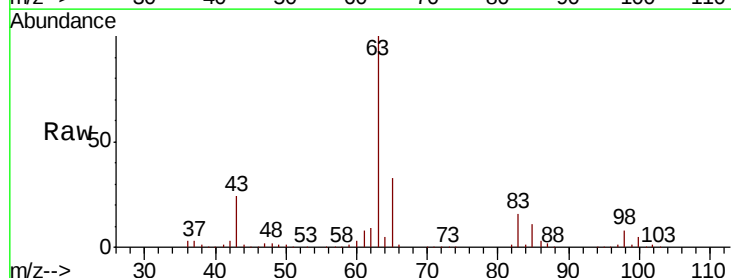
Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0



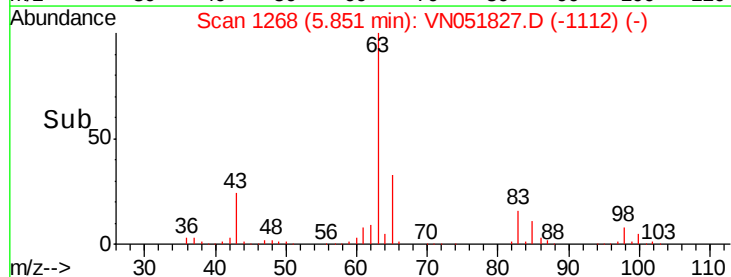
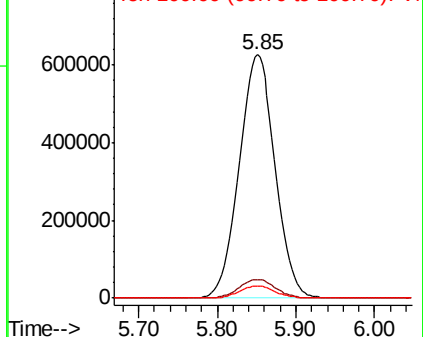
#21
1,1-Dichloroethane
Concen: 142.210 ug/l
RT: 5.85 min Scan# 1268
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

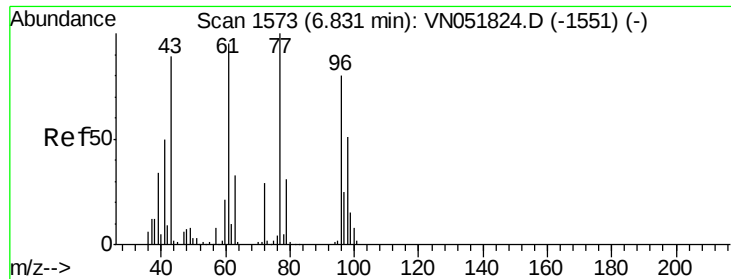
Tgt Ion: 63 Resp: 2004203

Ion	Ratio	Lower	Upper
63	100		
98	7.7	4.1	12.3
100	5.0	1.6	4.7#



Abundance Ion 63.00 (62.70 to 63.70): VN0
Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#22

cis-1,2-Dichloroethene

Concen: 146.688 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

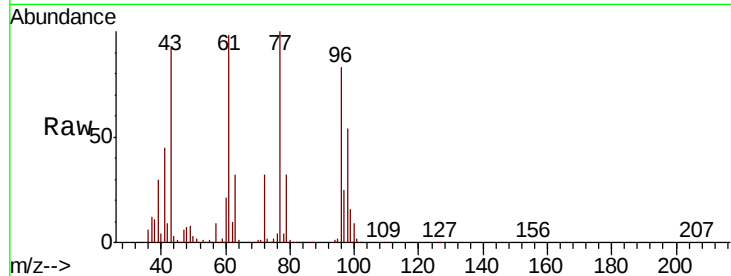
Tot Ion: 96 Resp: 1500715

Ion Ratio Lower Upper

96 100

61 119.2 124.5 186.7#

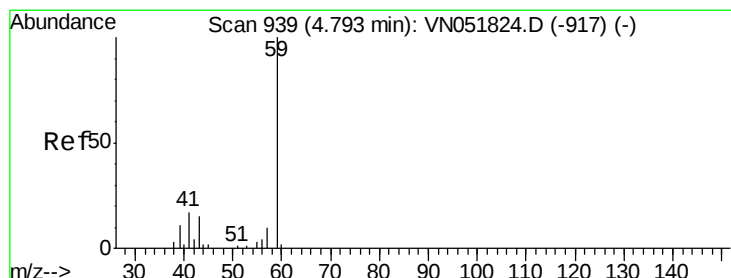
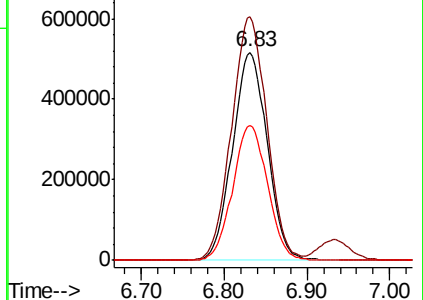
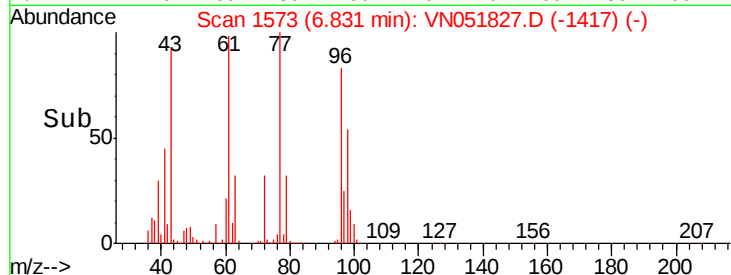
98 65.3 51.9 77.9



Abundance Ion 96.00 (95.70 to 96.70): VN051827.D (-1417) (-)

Ion 61.00 (60.70 to 61.70): VN051827.D (-1417) (-)

Ion 98.00 (97.70 to 98.70): VN051827.D (-1417) (-)



#23

tert-Butyl Alcohol

Concen: 757.646 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051827.D

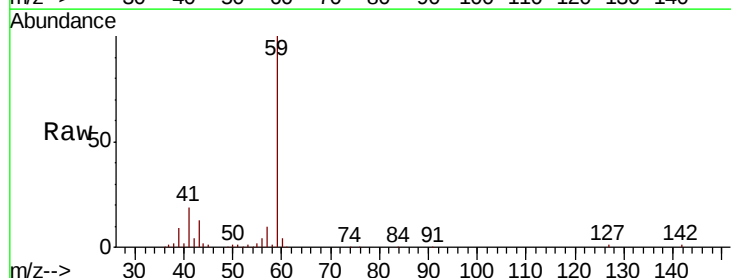
Acq: 12 Oct 2018 9:52

Tgt Ion: 59 Resp: 422436

Ion Ratio Lower Upper

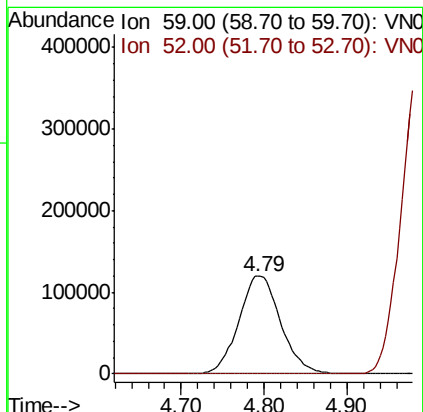
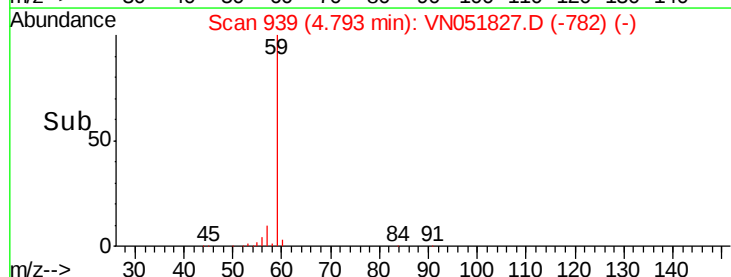
59 100

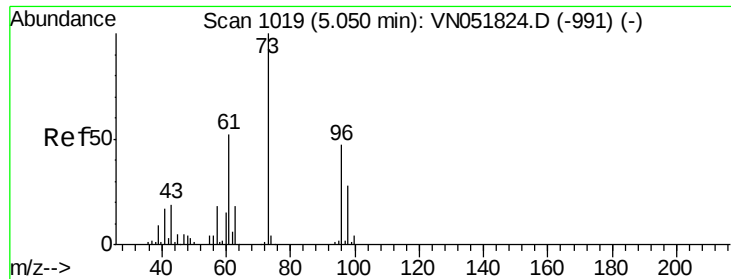
52 0.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN051827.D (-782) (-)

Ion 52.00 (51.70 to 52.70): VN051827.D (-782) (-)



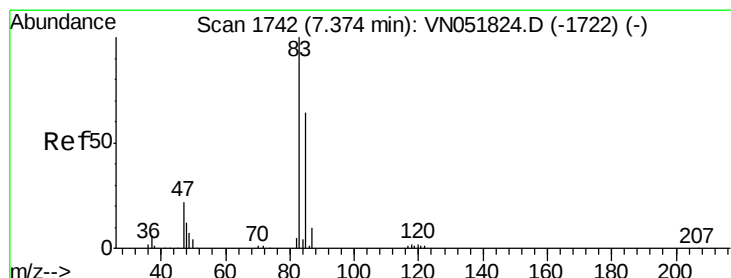
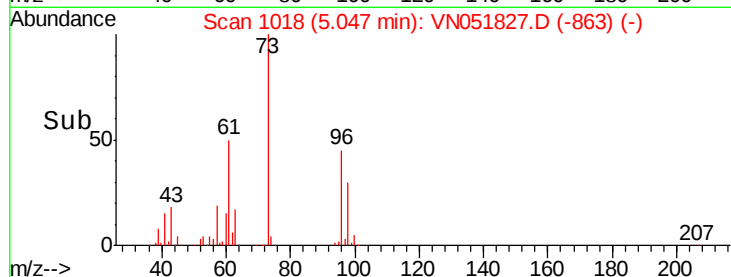
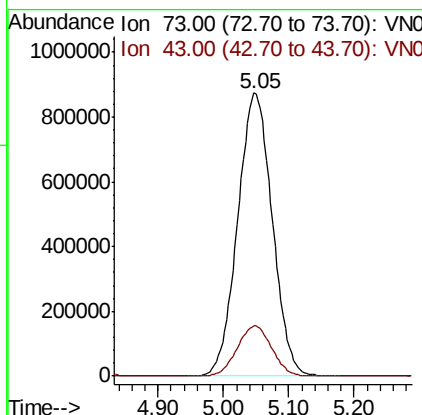
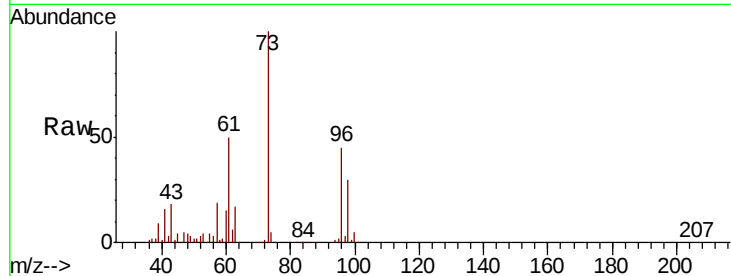


#24

Methyl tert-Butyl Ether
 Concen: 146.325 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

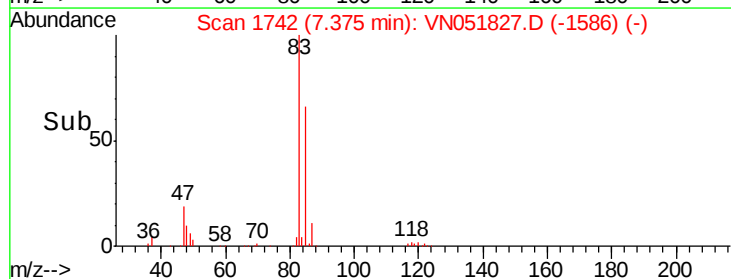
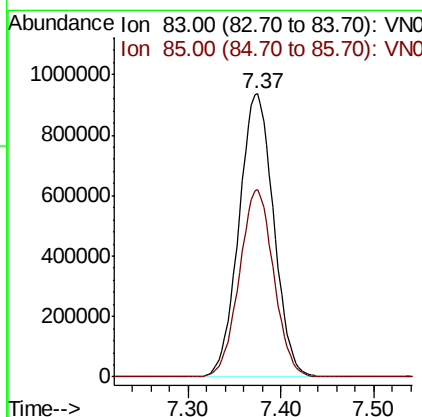
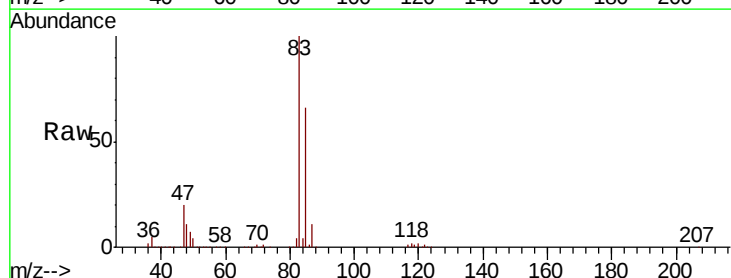
Tot Ion: 73 Resp: 3215800
 Ion Ratio Lower Upper
 73 100
 43 17.7 5.4 8.0#

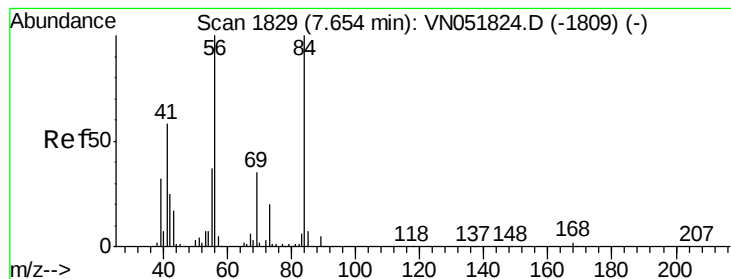


#25

Chloroform
 Concen: 145.428 ug/l
 RT: 7.37 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion: 83 Resp: 2431522
 Ion Ratio Lower Upper
 83 100
 85 66.2 54.6 82.0





#26

Cyclohexane

Concen: 139.840 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

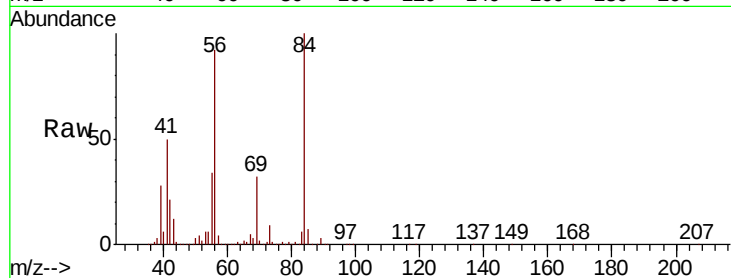
Tot Ion: 56 Resp: 1670821

Ion Ratio Lower Upper

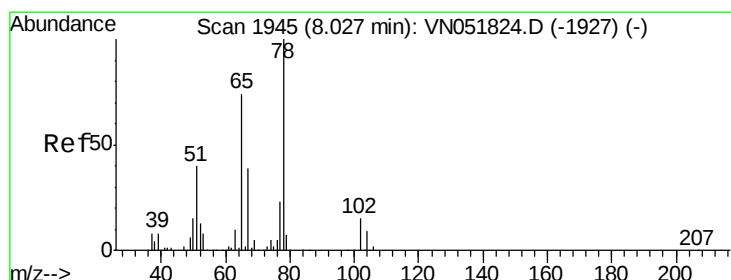
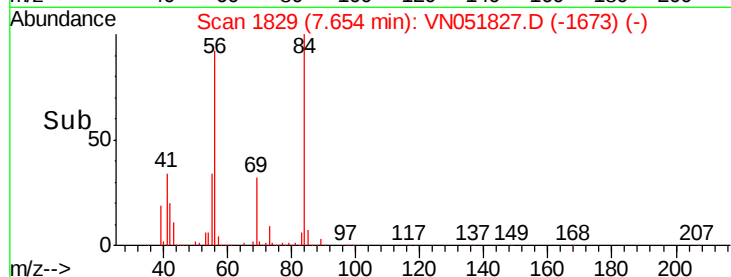
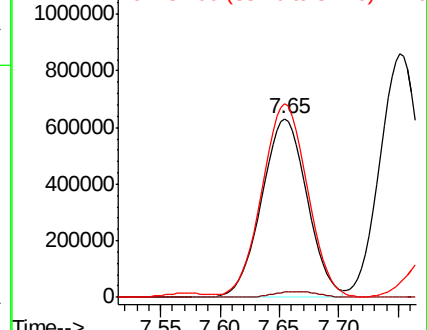
56 100

89 3.3 1.5 2.3#

84 108.7 64.2 96.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 89.00 (88.70 to 89.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#27

1,2-Dichloroethane-d4

Concen: 139.840 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051827.D

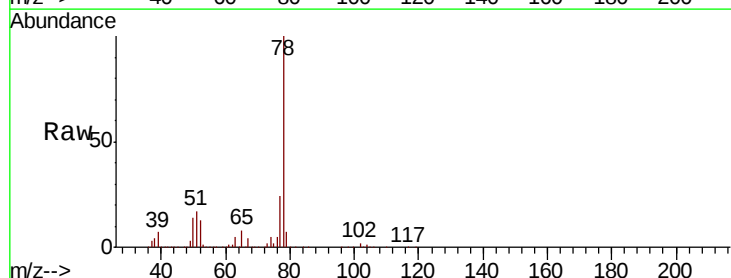
Acq: 12 Oct 2018 9:52

Tgt Ion: 65 Resp: 281343

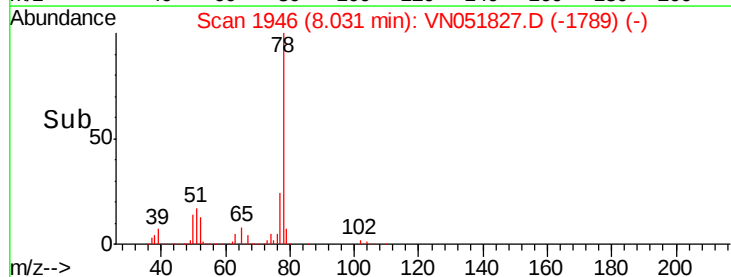
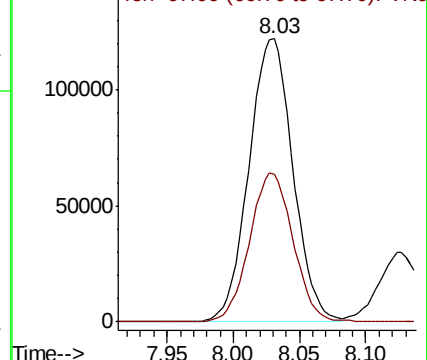
Ion Ratio Lower Upper

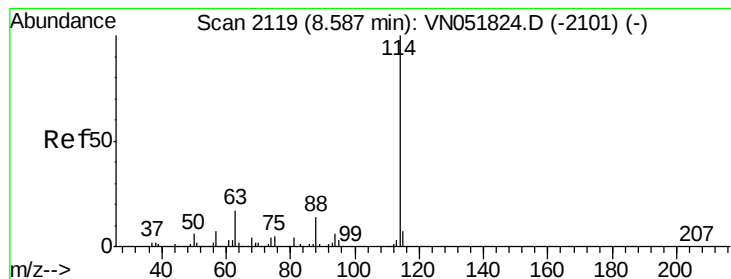
65 100

67 51.9 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VNO
Ion 67.00 (66.70 to 67.70): VNO





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

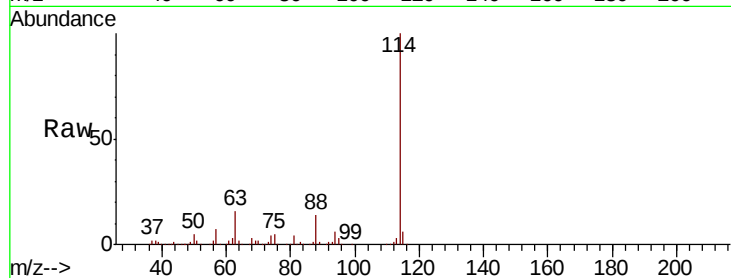
Tot Ion:114 Resp: 906239

Ion Ratio Lower Upper

114 100

63 15.7 16.2 24.2#

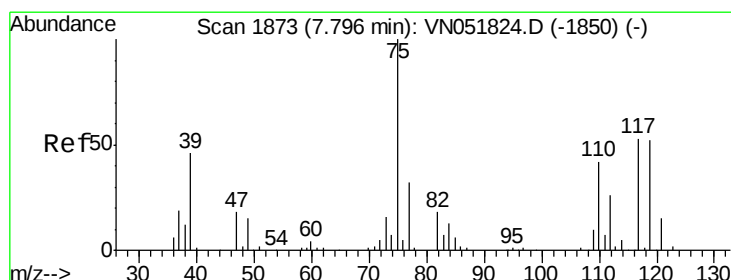
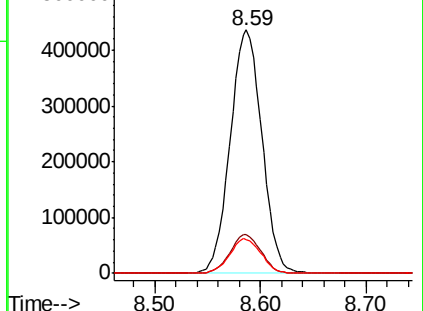
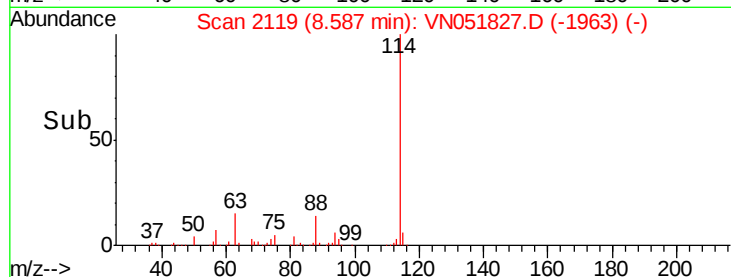
88 14.1 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051827.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051827.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051827.D (-1963) (-)



#29

1,1-Dichloropropene

Concen: 150.251 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

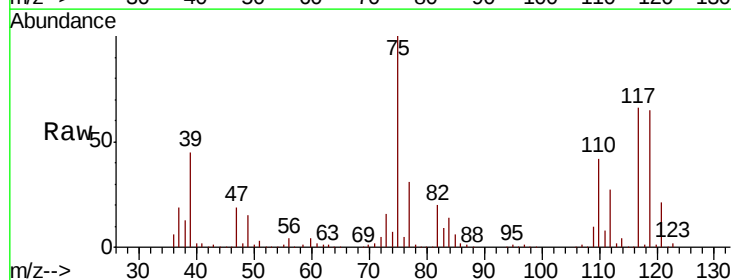
Tgt Ion: 75 Resp: 1755159

Ion Ratio Lower Upper

75 100

110 42.0 0.0 70.8

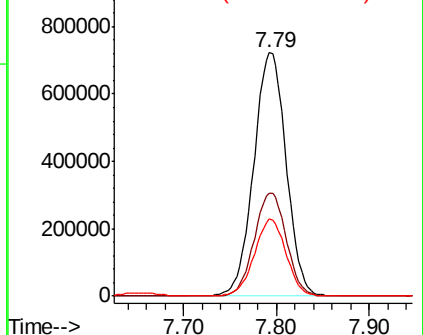
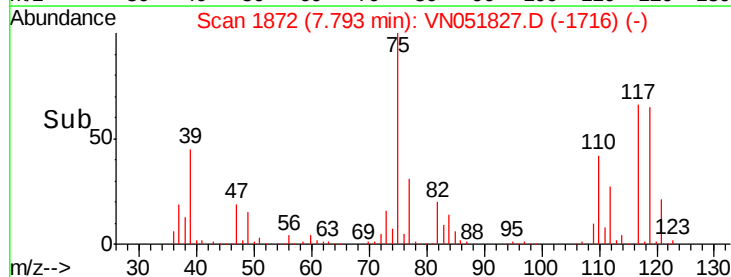
77 31.1 0.0 61.6

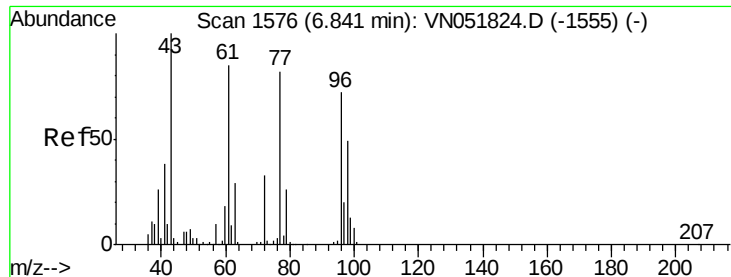


Abundance Ion 75.00 (74.70 to 75.70): VN051827.D (-1716) (-)

Ion 110.00 (109.70 to 110.70): VN051827.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VN051827.D (-1716) (-)

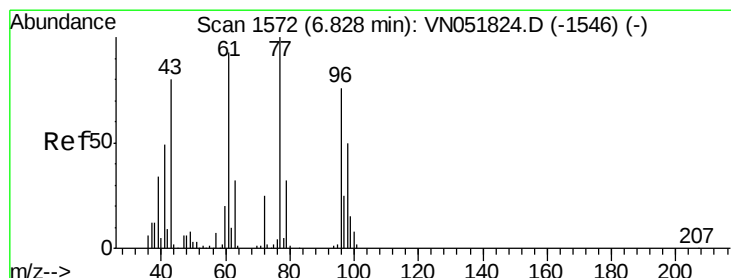
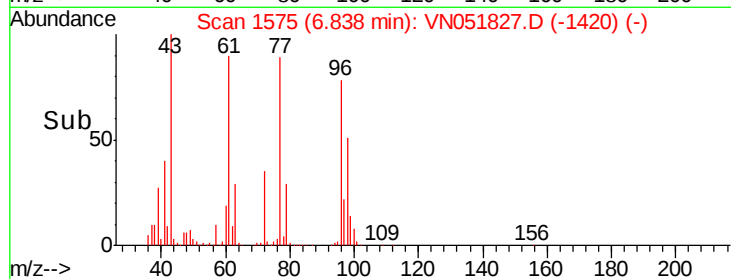
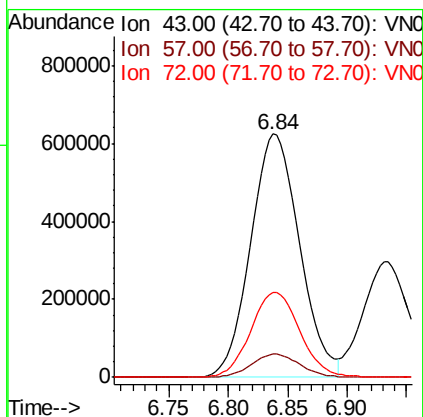
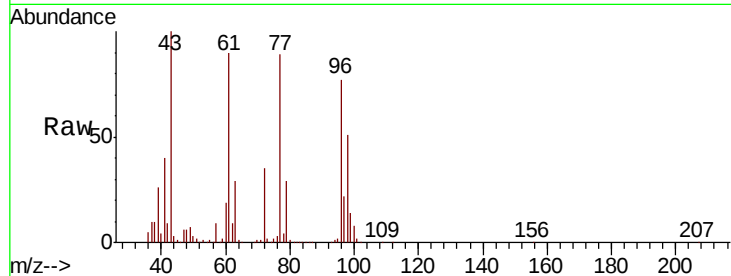




#30
2-Butanone
Concen: 727.042 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

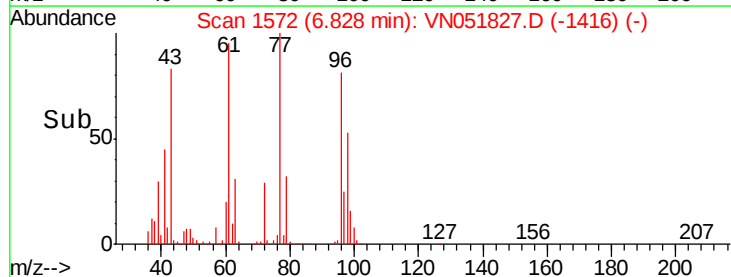
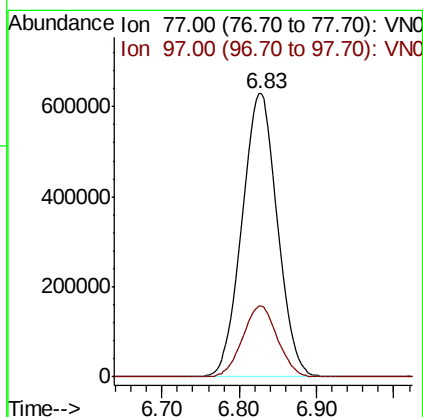
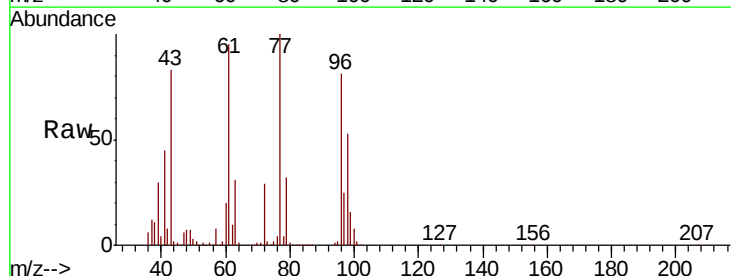
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

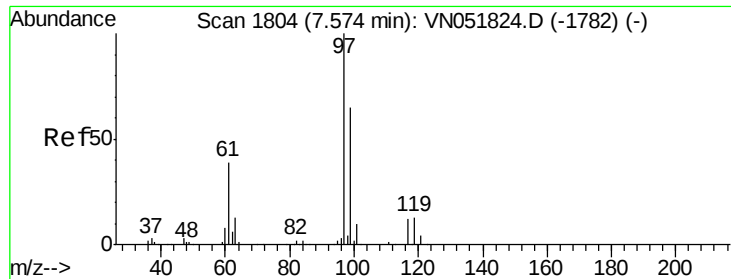
Tot Ion: 43 Resp: 1775125
Ion Ratio Lower Upper
43 100
57 9.5 4.5 6.7#
72 35.3 21.5 32.3#



#31
2,2-Dichloropropane
Concen: 146.269 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 77 Resp: 2010031
Ion Ratio Lower Upper
77 100
97 24.6 12.0 18.0#





#32

1,1,1-Trichloroethane

Concen: 151.341 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

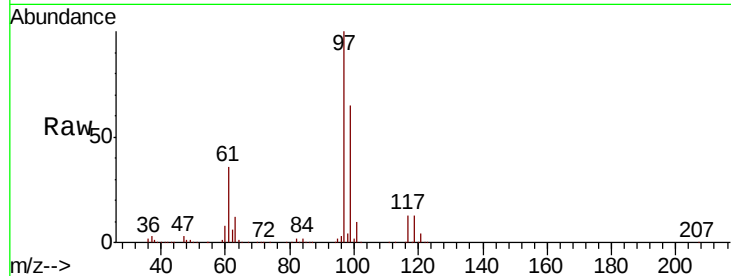
Tot Ion: 97 Resp: 2343847

Ion Ratio Lower Upper

97 100

99 64.8 51.6 77.4

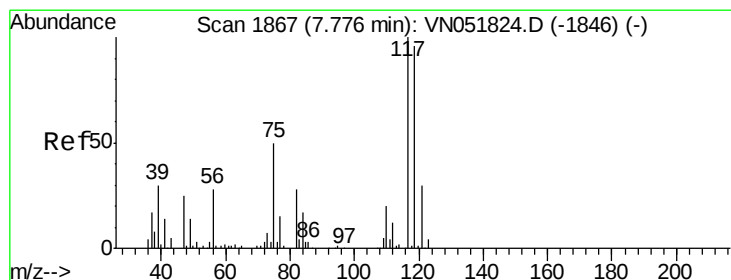
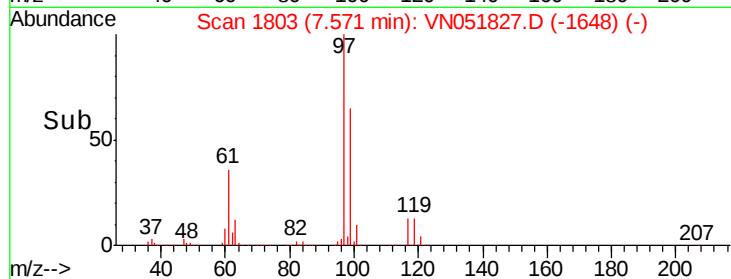
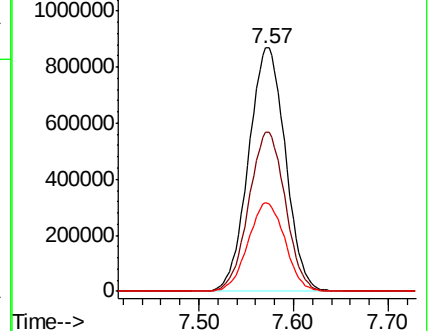
61 36.5 37.4 56.0#



Abundance Ion 97.00 (96.70 to 97.70): VN051827.D (-1782) (-)

Ion 99.00 (98.70 to 99.70): VN051827.D (-1782) (-)

Ion 61.00 (60.70 to 61.70): VN051827.D (-1782) (-)



#33

Carbon Tetrachloride

Concen: 155.205 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

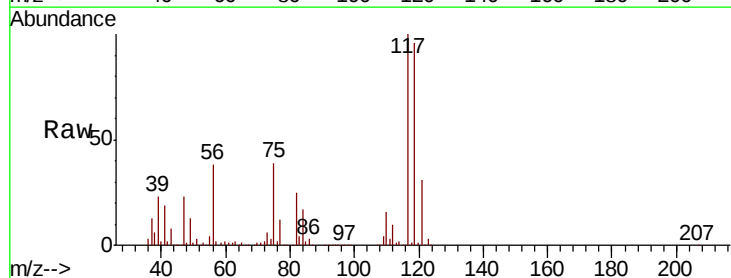
Tgt Ion: 117 Resp: 2174707

Ion Ratio Lower Upper

117 100

119 96.4 85.1 127.7

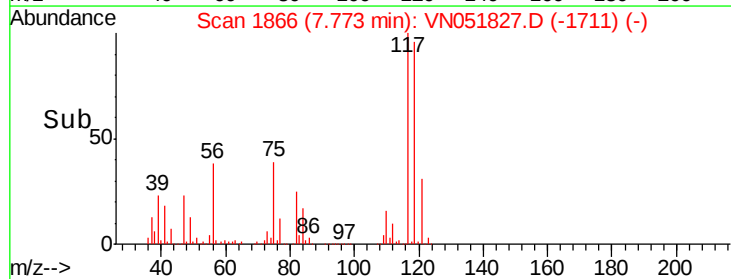
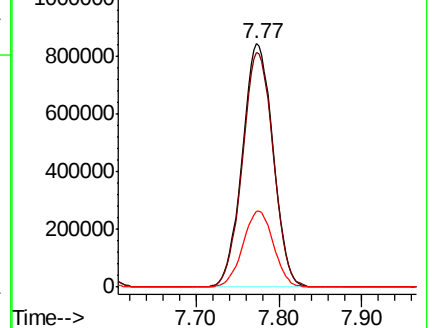
121 31.1 24.2 36.2

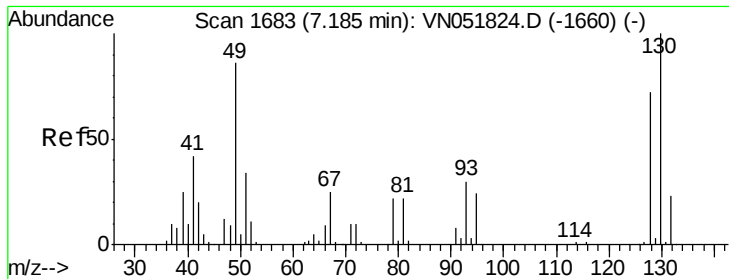


Abundance Ion 117.00 (116.70 to 117.70): VN051827.D (-1711) (-)

Ion 119.00 (118.70 to 119.70): VN051827.D (-1711) (-)

Ion 121.00 (120.70 to 121.70): VN051827.D (-1711) (-)

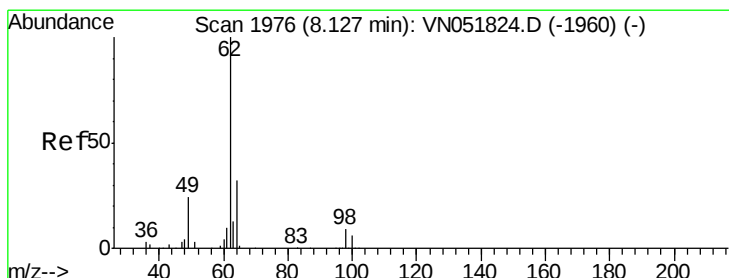
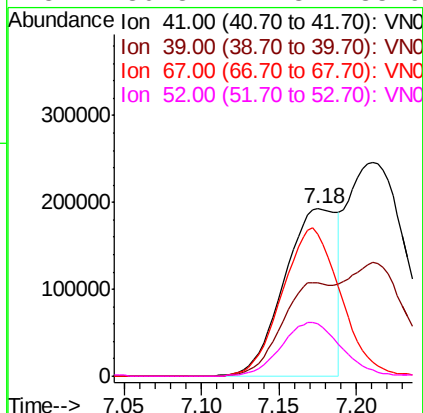
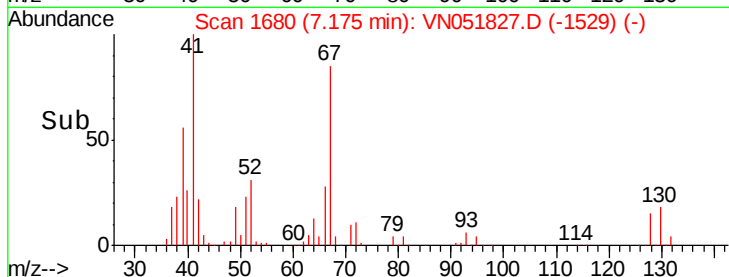
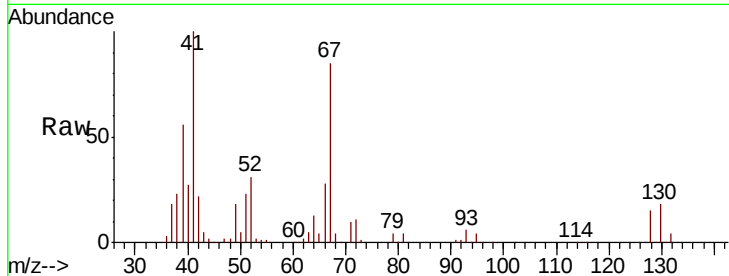




#35
Methacrylonitrile
Concen: 141.784 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

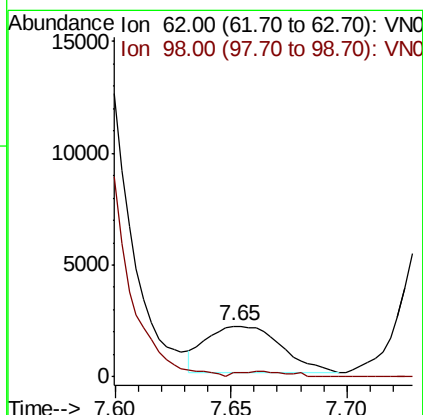
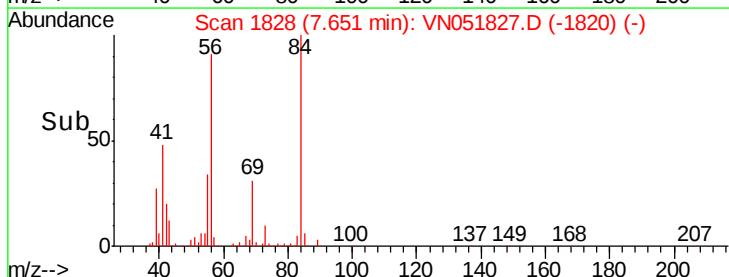
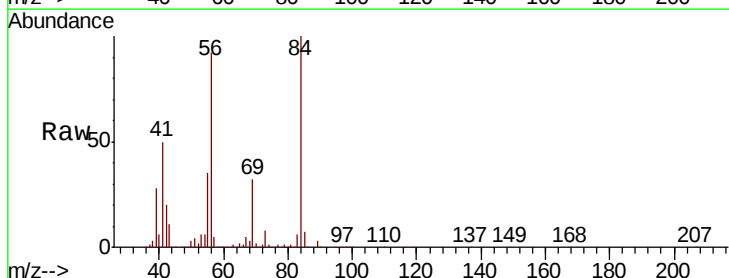
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

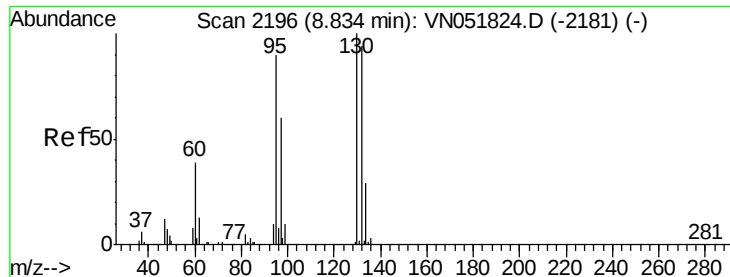
Tot Ion: 41 Resp: 454814
Ion Ratio Lower Upper
41 100
39 55.7 22.6 67.7
67 85.4 28.9 86.8
52 30.8 11.3 33.9



#36
1,2-Dichloroethane
Concen: 0.427 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.48 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 62 Resp: 4726
Ion Ratio Lower Upper
62 100
98 7.2 6.9 10.3

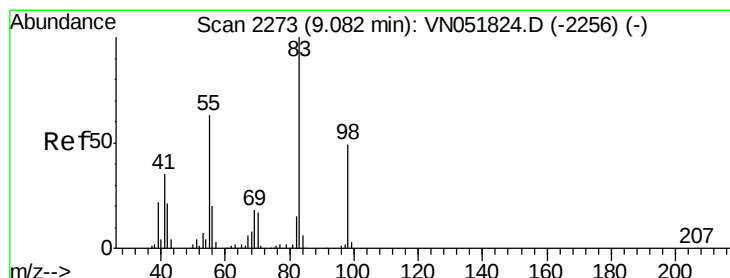
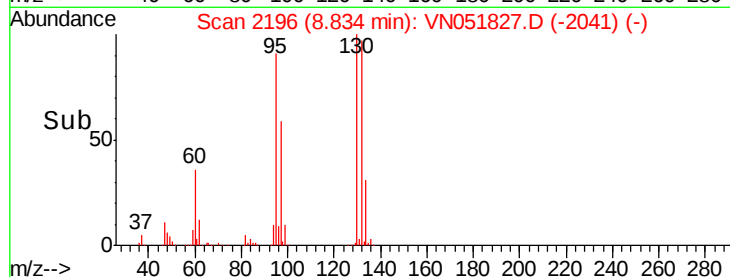
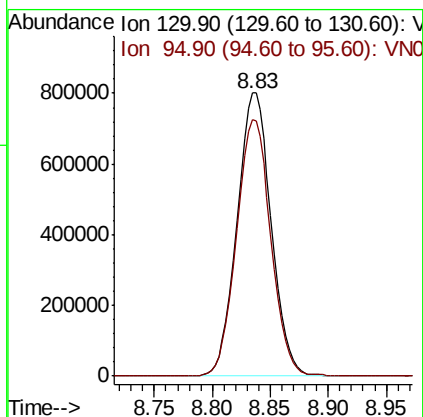
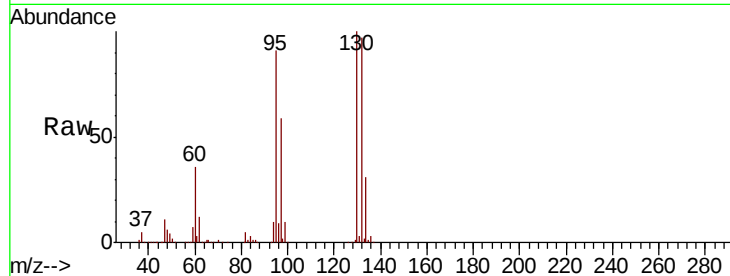




#37
 Trichloroethene
 Concen: 152.446 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

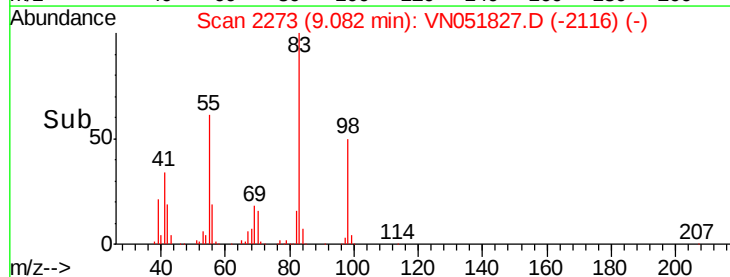
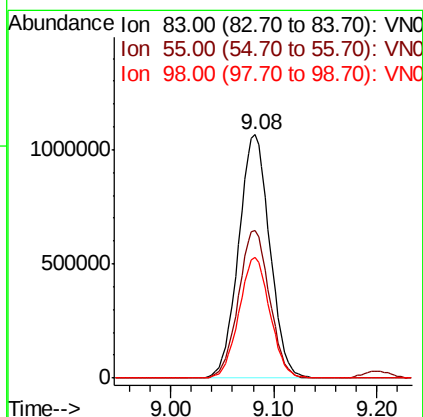
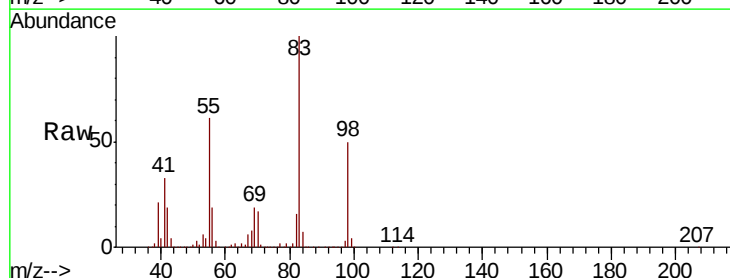
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

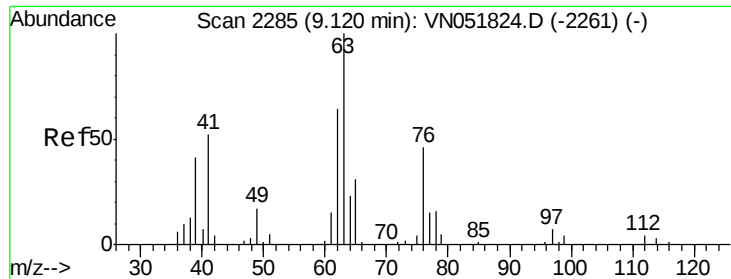
Tot Ion:130 Resp: 1635182
 Ion Ratio Lower Upper
 130 100
 95 90.7 76.4 114.6



#38
 Methylcyclohexane
 Concen: 149.714 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion: 83 Resp: 2243129
 Ion Ratio Lower Upper
 83 100
 55 60.4 43.0 129.2
 98 49.3 21.3 63.7





#39

1,2-Dichloropropane

Concen: 145.949 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

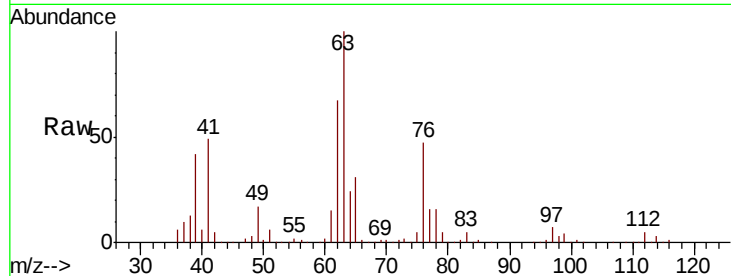
VSTDIC150

Tot Ion: 63 Resp: 1187651

Ion Ratio Lower Upper

63 100

65 31.3 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0

600000

400000

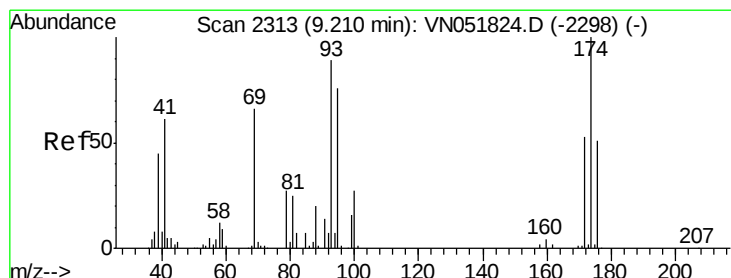
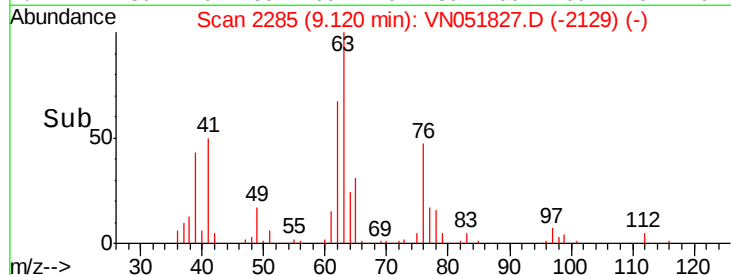
200000

0

9.12

9.00 9.10 9.20

Time-->



#40

Dibromomethane

Concen: 153.220 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

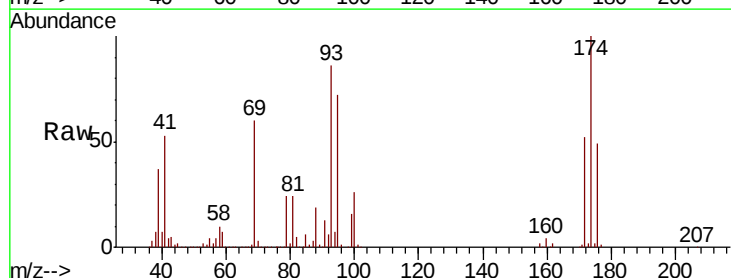
Tgt Ion: 93 Resp: 925370

Ion Ratio Lower Upper

93 100

95 83.8 0.0 162.0

174 115.5 0.0 214.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

600000

400000

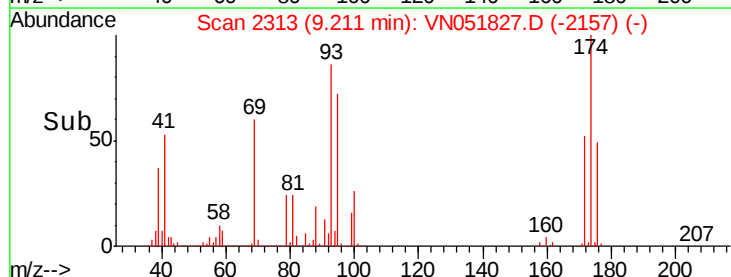
200000

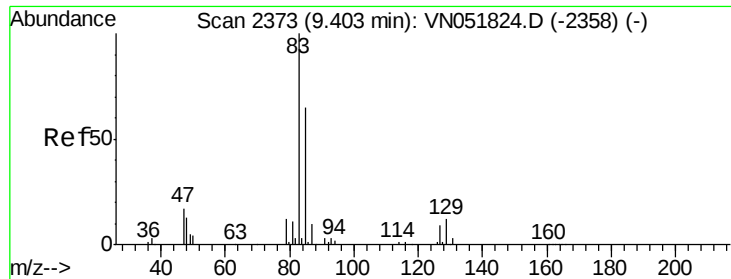
0

9.21

9.10 9.15 9.20 9.25 9.30

Time-->





#41

Bromodichloromethane

Concen: 155.200 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

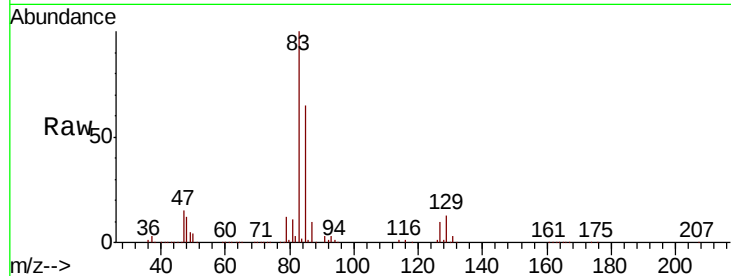
Tot Ion: 83 Resp: 1936083

Ion Ratio Lower Upper

83 100

85 64.6 55.7 83.5

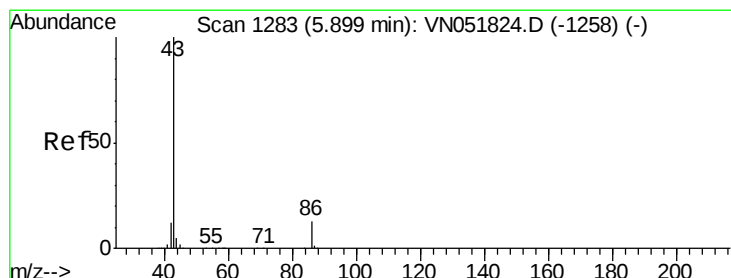
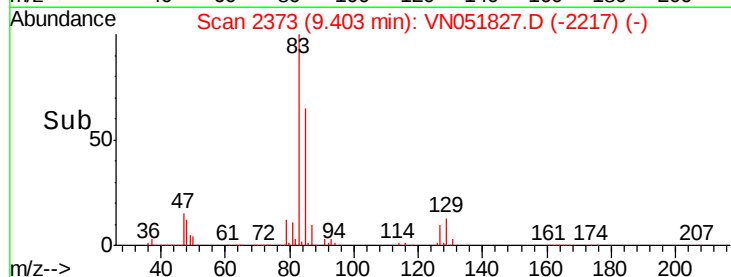
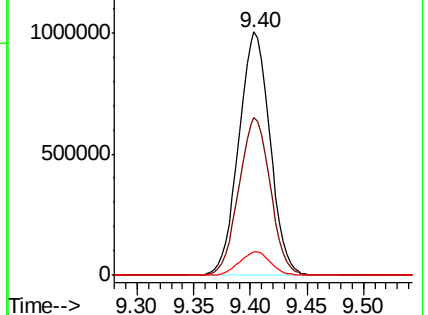
127 9.8 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 763.308 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051827.D

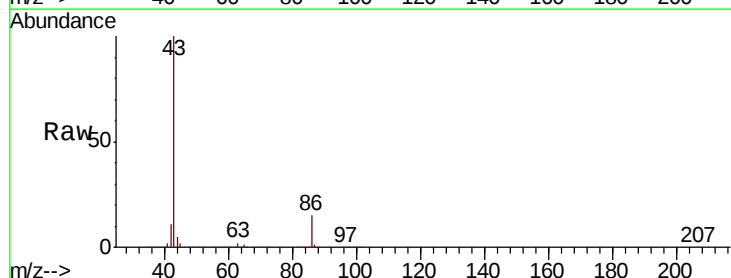
Acq: 12 Oct 2018 9:52

Tgt Ion: 43 Resp: 10491218

Ion Ratio Lower Upper

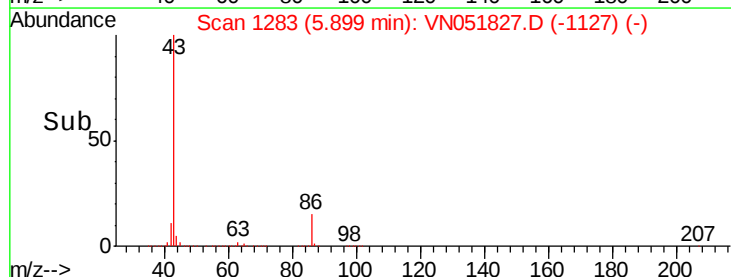
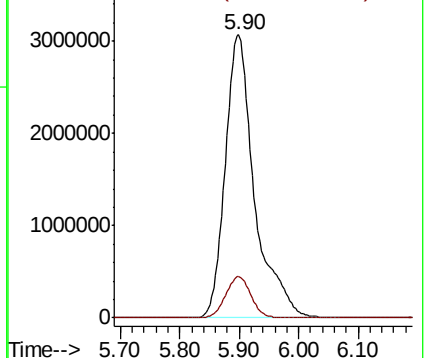
43 100

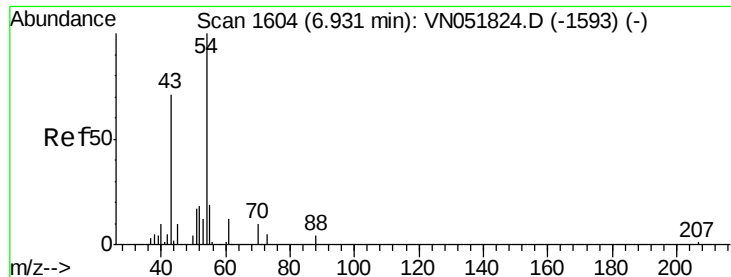
86 12.6 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 152.765 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

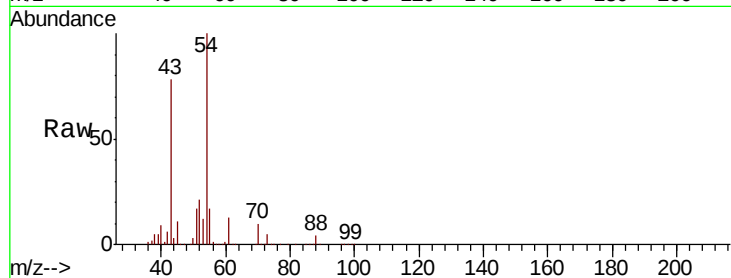
VSTDIC150

Tot Ion: 43 Resp: 809894

Ion Ratio Lower Upper

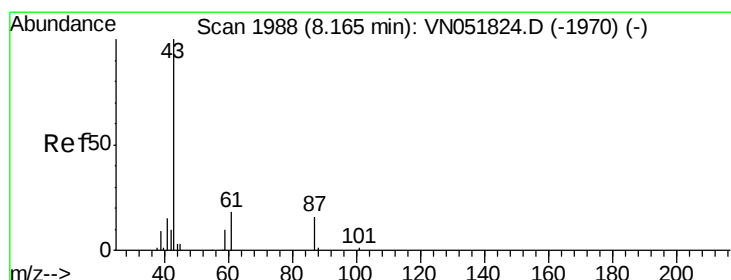
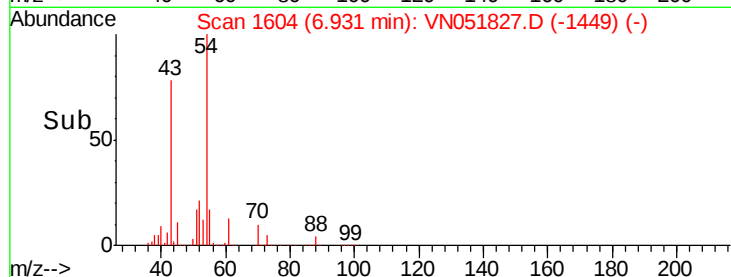
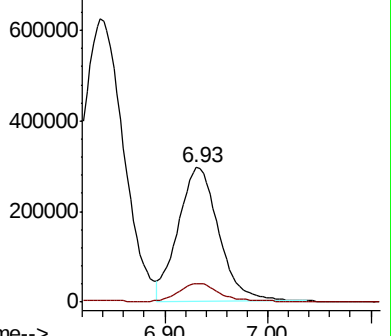
43 100

45 13.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 151.767 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051827.D

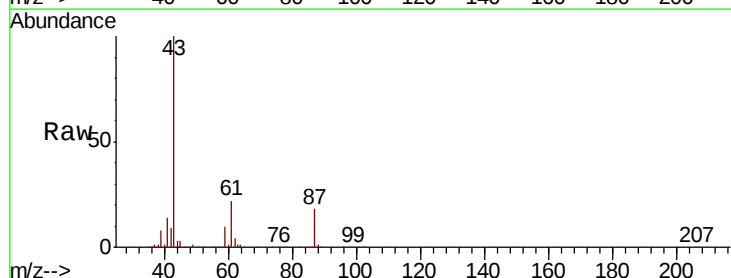
Acq: 12 Oct 2018 9:52

Tgt Ion: 43 Resp: 1607103

Ion Ratio Lower Upper

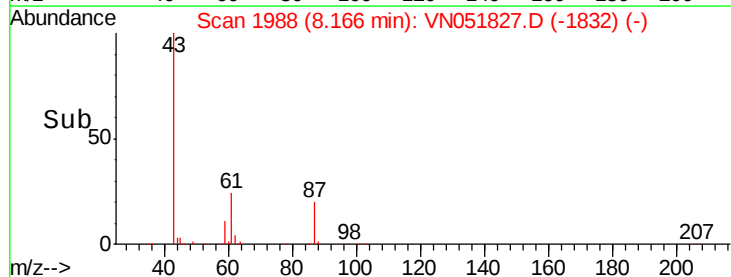
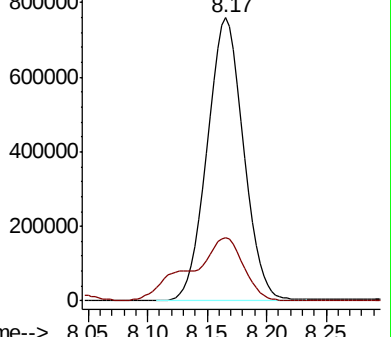
43 100

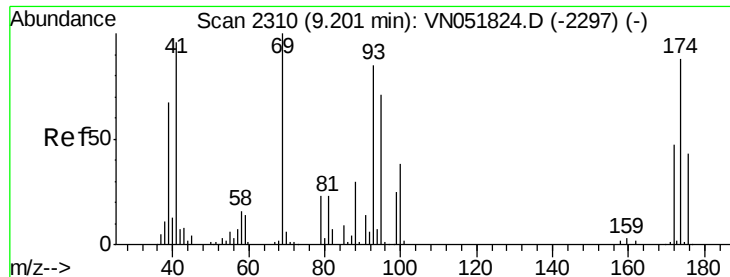
61 21.8 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 3240.348 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

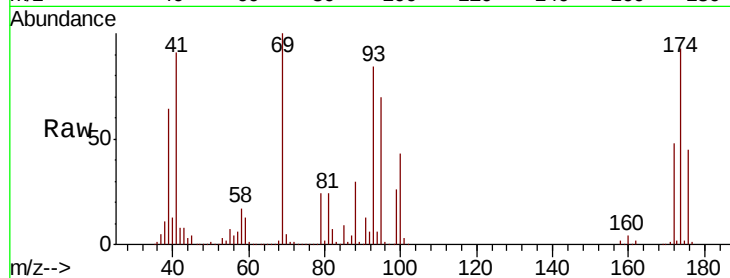
Tot Ion: 88 Resp: 275517

Ion Ratio Lower Upper

88 100

43 24.4 26.2 39.2#

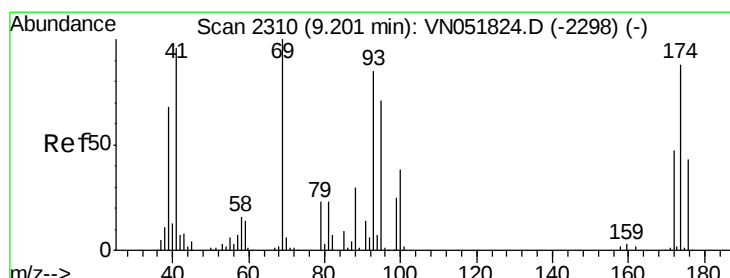
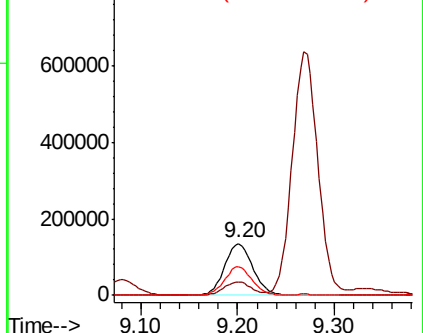
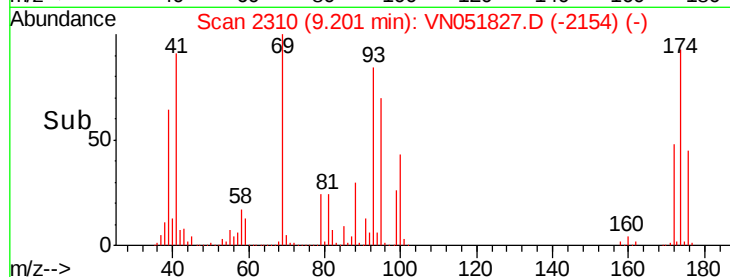
58 53.4 65.6 98.4#



Abundance Ion 88.00 (87.70 to 88.70): VN051827.D (-2154) (-)

Ion 43.00 (42.70 to 43.70): VN051827.D (-2154) (-)

Ion 58.00 (57.70 to 58.70): VN051827.D (-2154) (-)



#46

Methyl methacrylate

Concen: 154.876 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

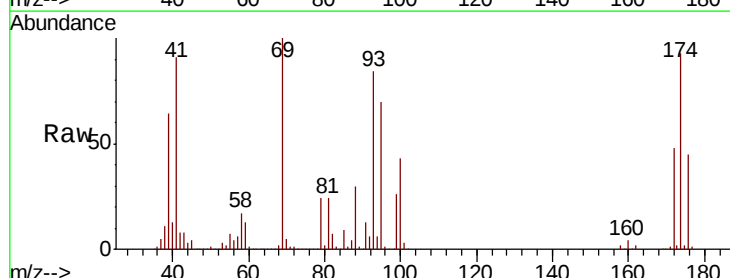
Tgt Ion: 41 Resp: 756467

Ion Ratio Lower Upper

41 100

69 111.1 40.7 122.1

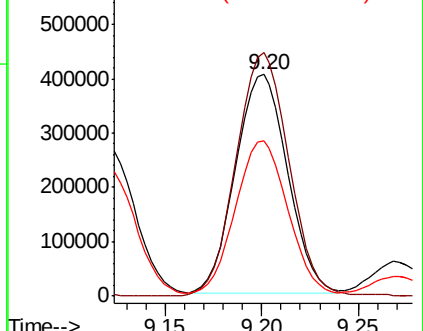
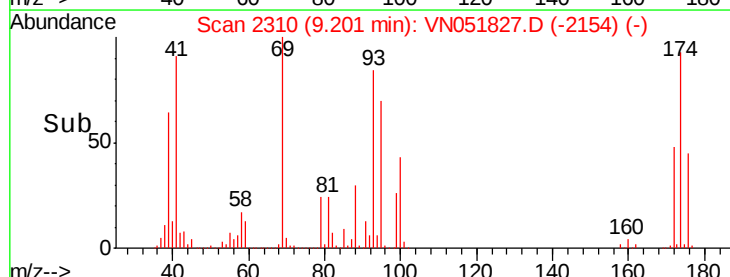
39 70.1 27.3 81.9

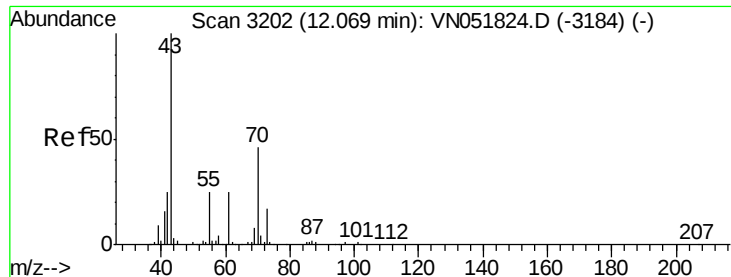


Abundance Ion 41.00 (40.70 to 41.70): VN051827.D (-2154) (-)

Ion 69.00 (68.70 to 69.70): VN051827.D (-2154) (-)

Ion 39.00 (38.70 to 39.70): VN051827.D (-2154) (-)

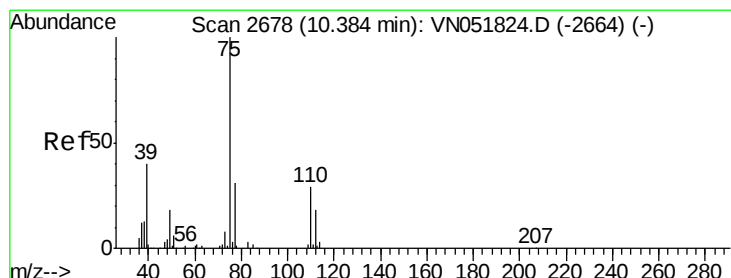
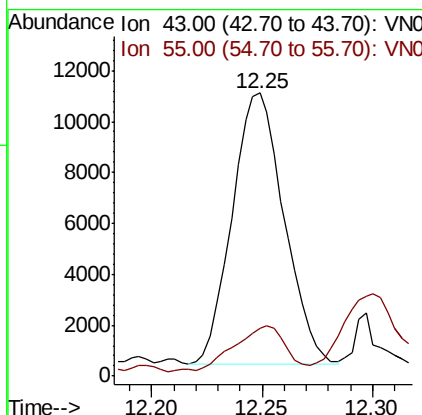
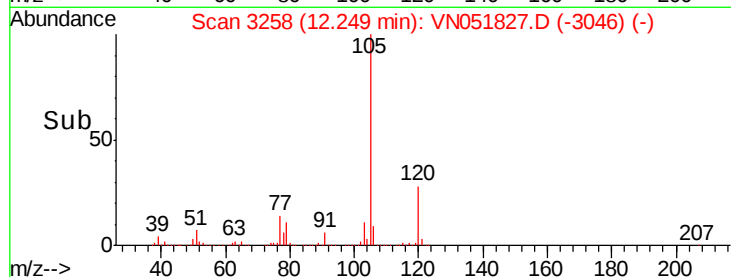
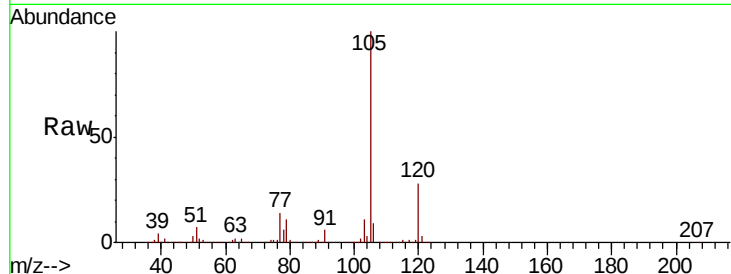




#47
 n-amvl Acetate
 Concen: 1.963 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.18 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

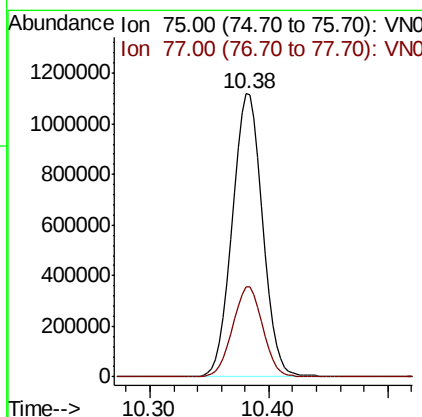
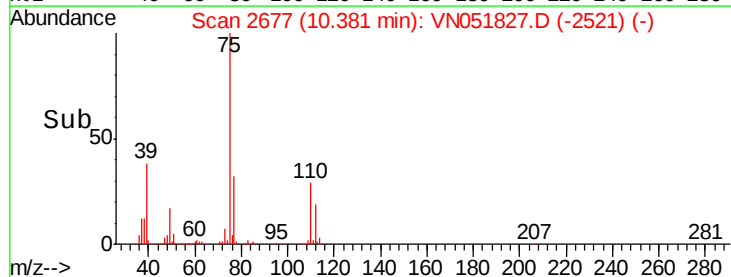
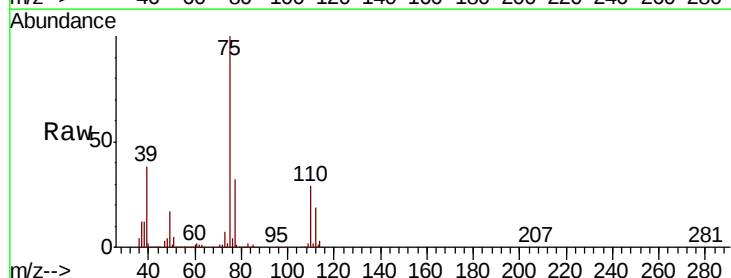
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

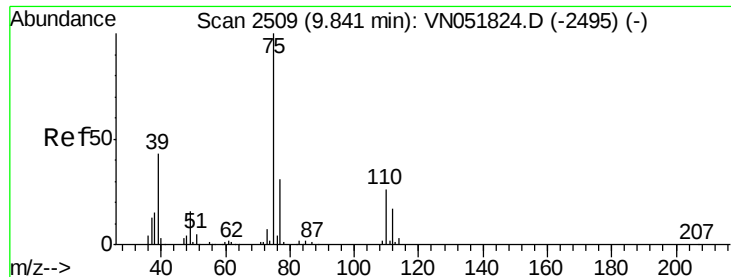
Tot Ion: 43 Resp: 17404
 Ion Ratio Lower Upper
 43 100
 55 15.5 12.2 18.4



#48
 t-1,3-Dichloropropene
 Concen: 162.360 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion: 75 Resp: 1975096
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.6 37.0



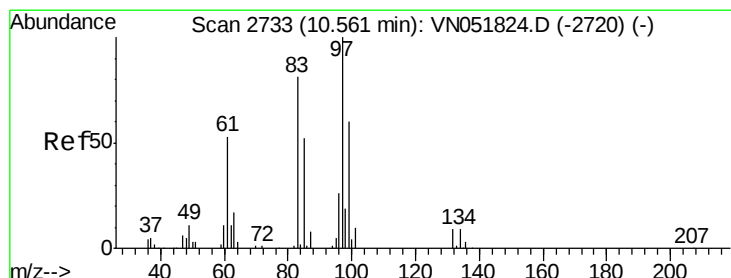
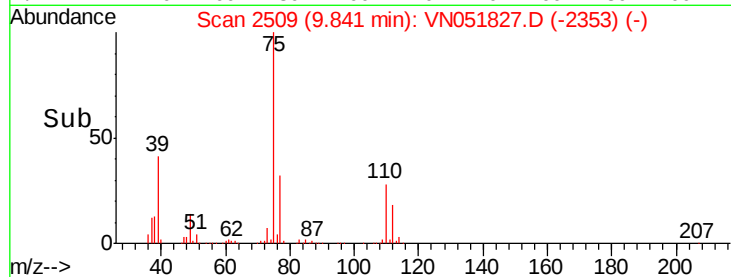
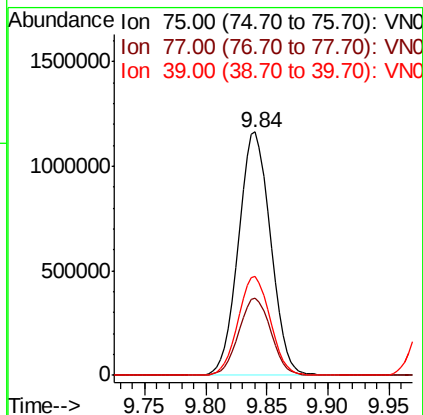
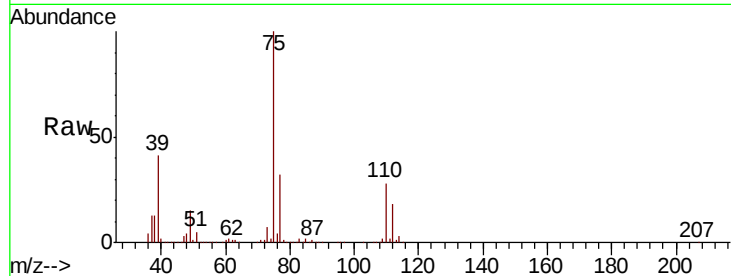


#49

cis-1,3-Dichloropropene
 Concen: 158.176 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

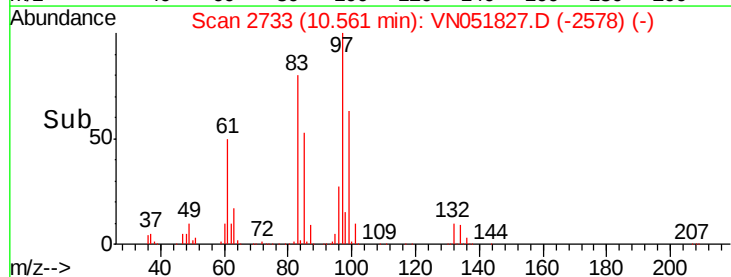
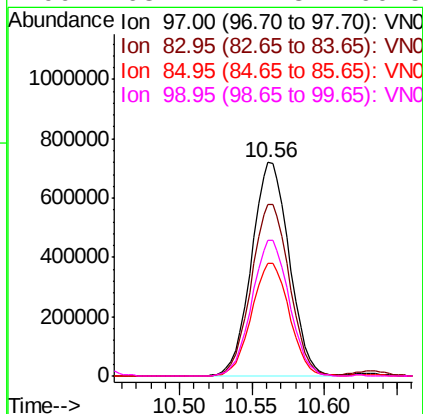
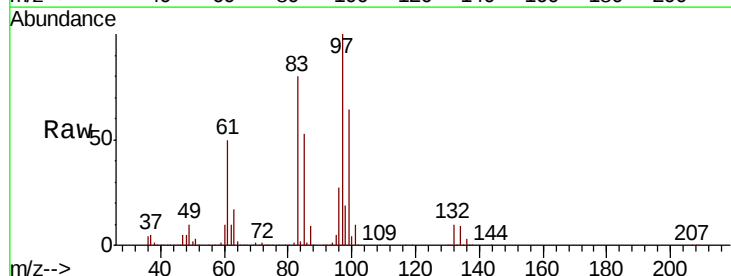
Tot Ion: 75 Resp: 2121202
 Ion Ratio Lower Upper
 75 100
 77 31.8 23.2 34.8
 39 40.6 34.6 52.0

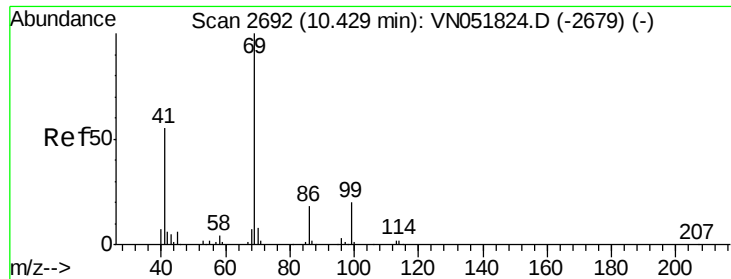


#50

1,1,2-Trichloroethane
 Concen: 156.332 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion: 97 Resp: 1304526
 Ion Ratio Lower Upper
 97 100
 83 80.4 68.2 102.4
 85 52.8 42.5 63.7
 99 63.4 44.3 66.5





#51

Ethyl methacrylate

Concen: 161.356 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

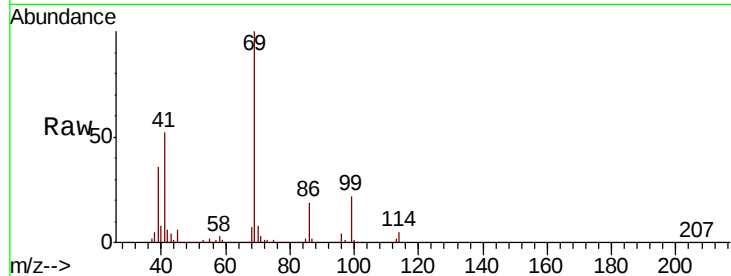
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 1541507

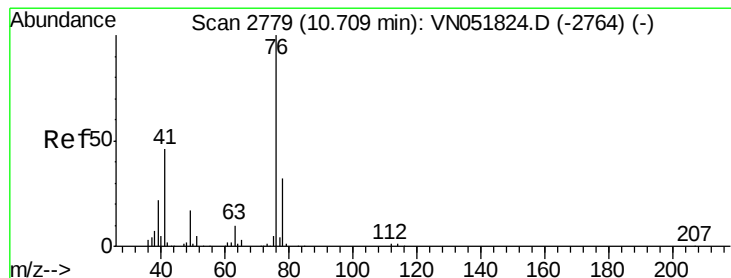
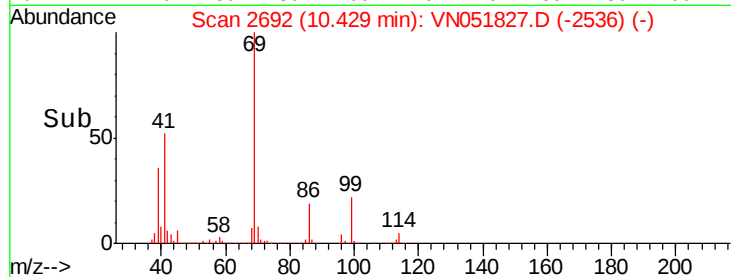
Ion	Ratio	Lower	Upper
69	100		
41	52.0	34.4	103.1
39	36.1	16.3	48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 152.265 ug/l

RT: 10.71 min Scan# 2778

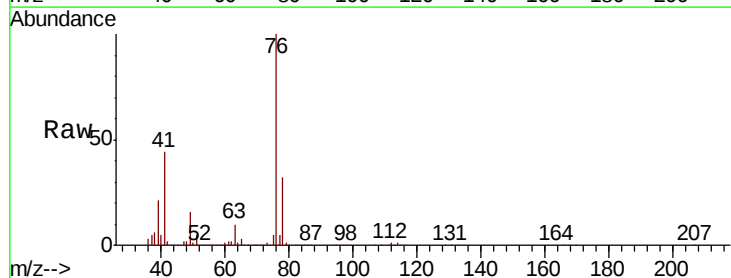
Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

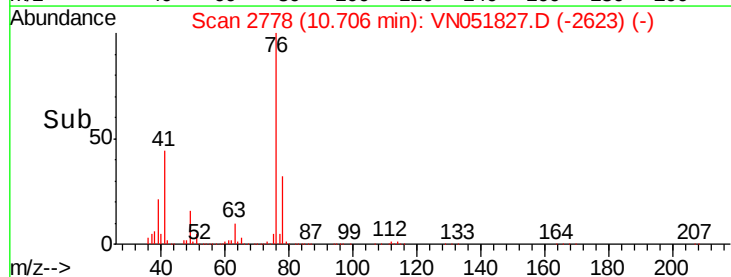
Tgt Ion: 76 Resp: 1960999

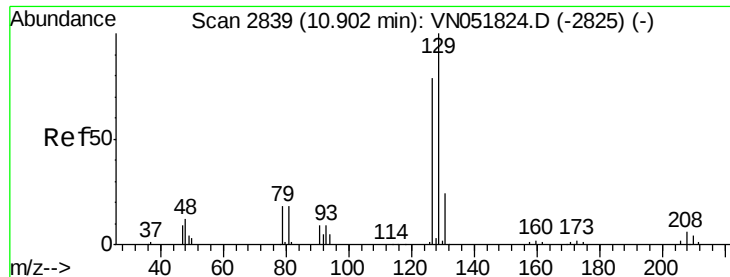
Ion	Ratio	Lower	Upper
76	100		
78	32.7	0.0	67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 168.142 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

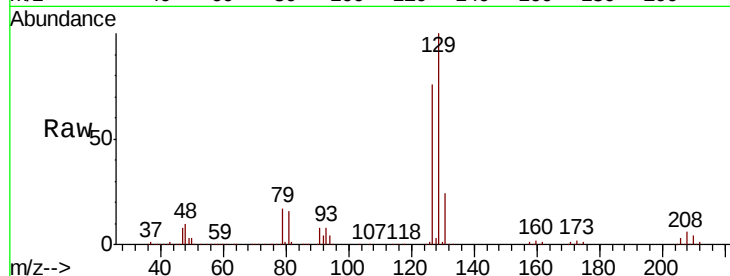
VSTDIC150

Tot Ion:129 Resp: 1735729

Ion Ratio Lower Upper

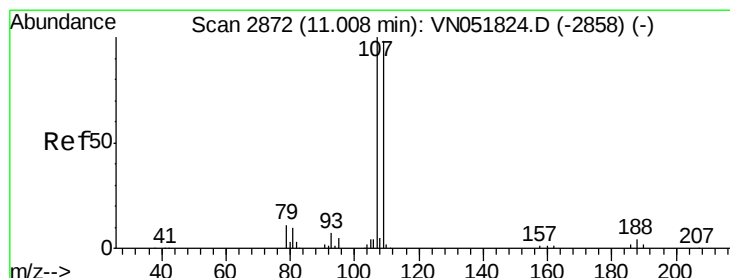
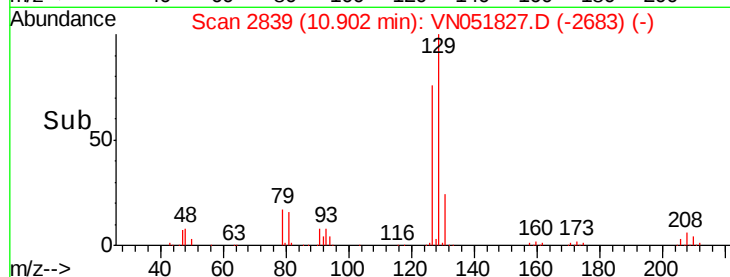
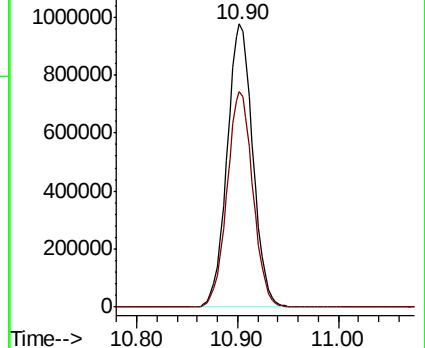
129 100

127 76.6 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 161.165 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051827.D

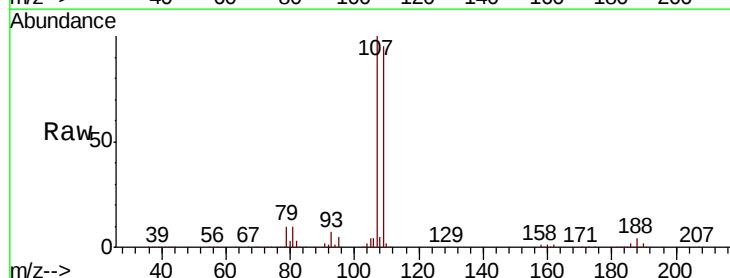
Acq: 12 Oct 2018 9:52

Tgt Ion:107 Resp: 1411619

Ion Ratio Lower Upper

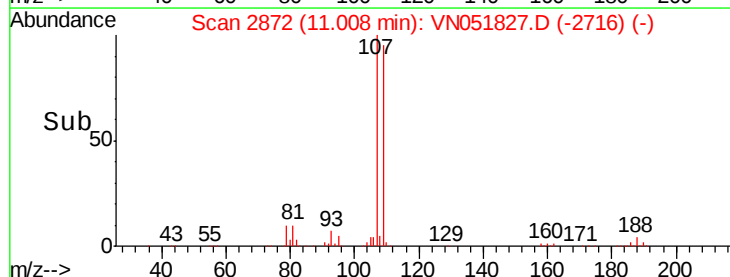
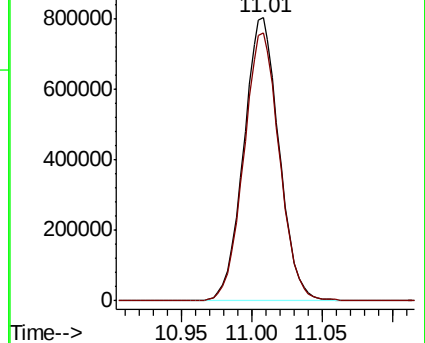
107 100

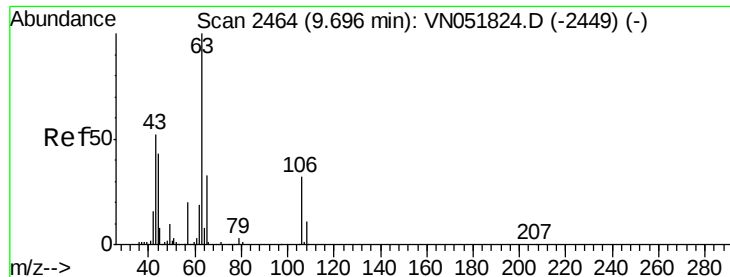
109 95.4 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 839.411 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

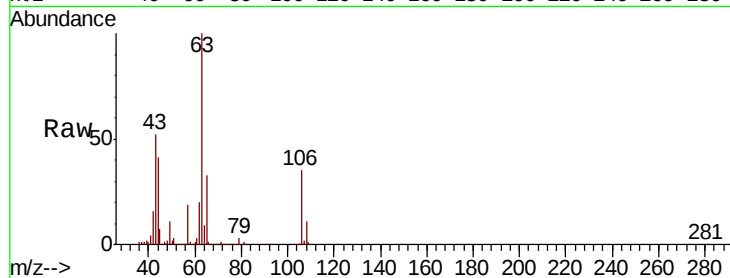
Tot Ion: 63 Resp: 3428186

Ion Ratio Lower Upper

63 100

65 32.4 25.4 38.0

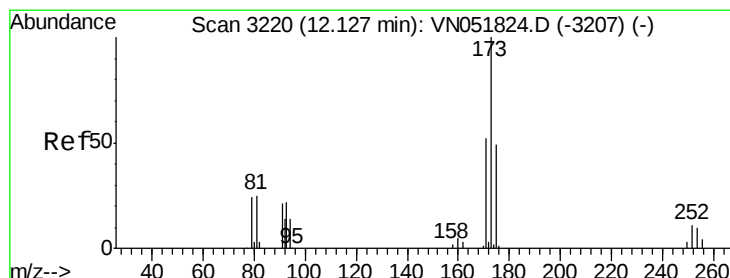
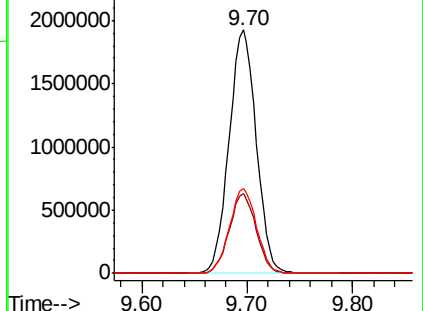
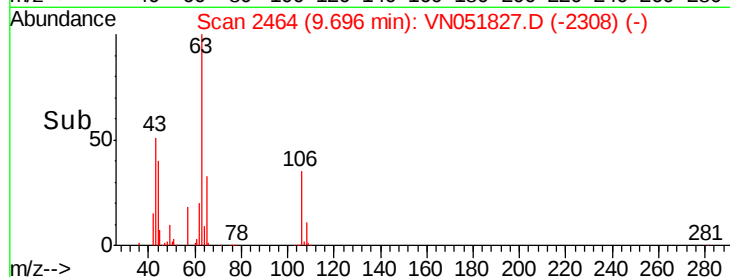
106 34.8 21.2 31.8#



Abundance Ion 63.00 (62.70 to 63.70): VN051827.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN051827.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN051827.D (-2449) (-)



#56

Bromoform

Concen: 186.579 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

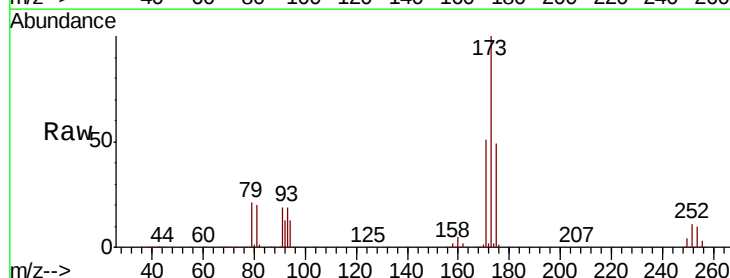
Tgt Ion:173 Resp: 1270246

Ion Ratio Lower Upper

173 100

175 48.5 35.8 53.8

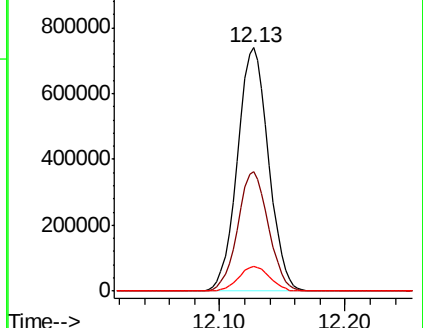
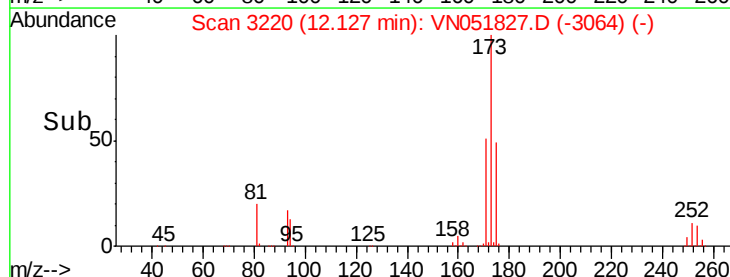
254 9.9 8.6 13.0

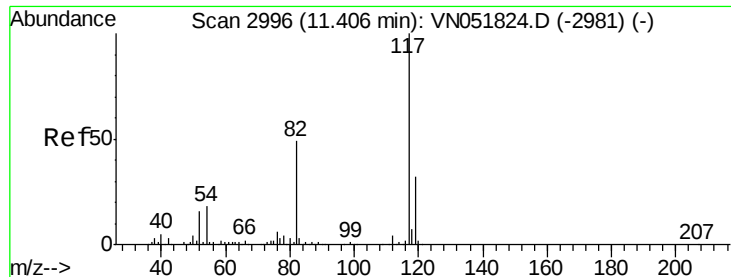


Abundance Ion 173.00 (172.70 to 173.70): VN051827.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN051827.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN051827.D (-3207) (-)

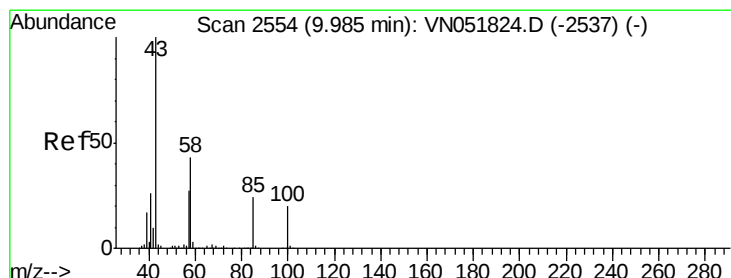
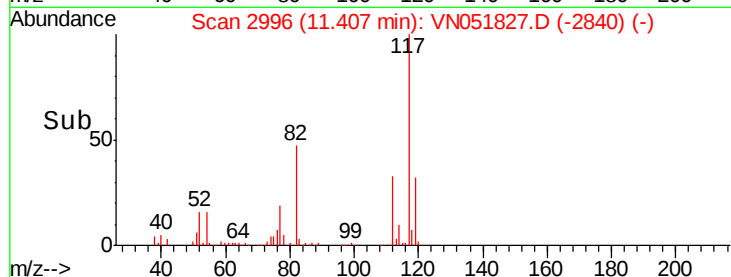
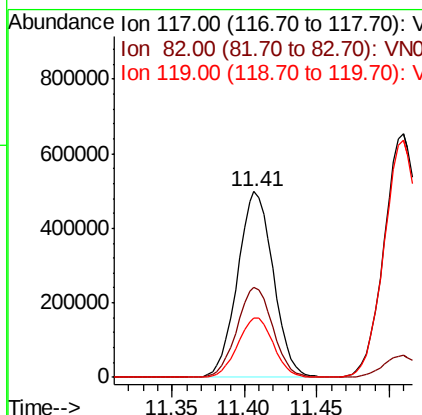
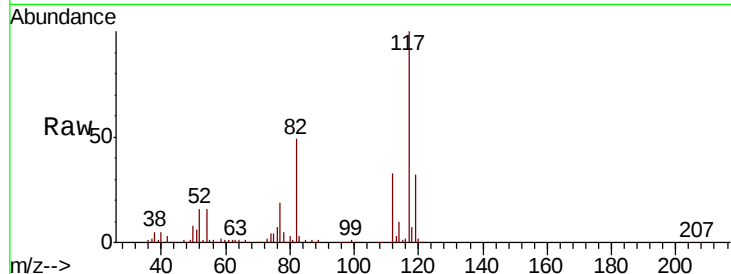




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

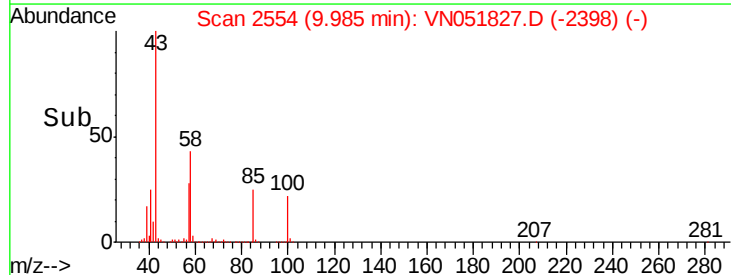
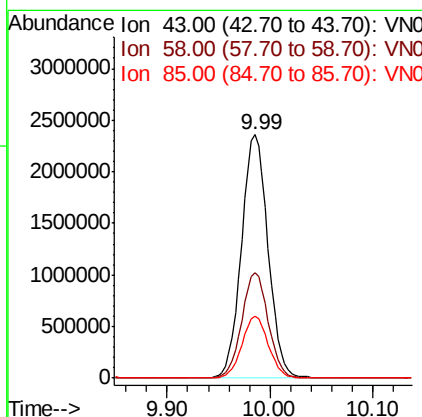
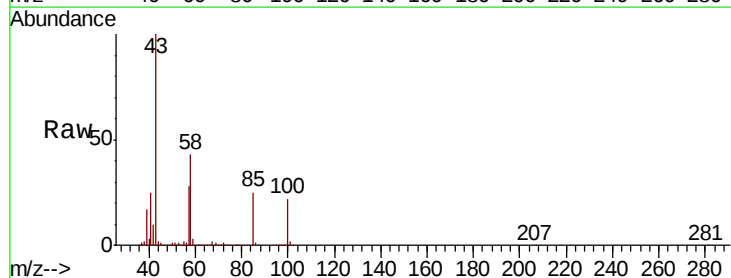
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

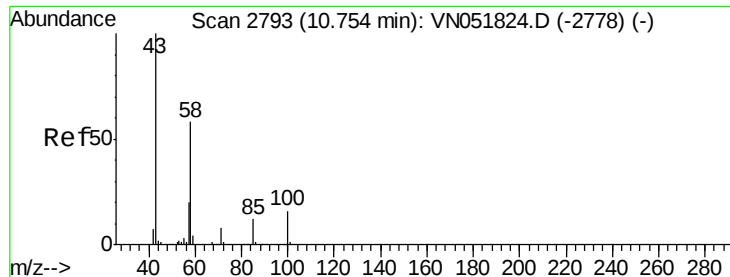
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.3	44.1	66.1
119	31.9	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 736.980 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.3	29.3	43.9
85	25.1	12.6	18.8

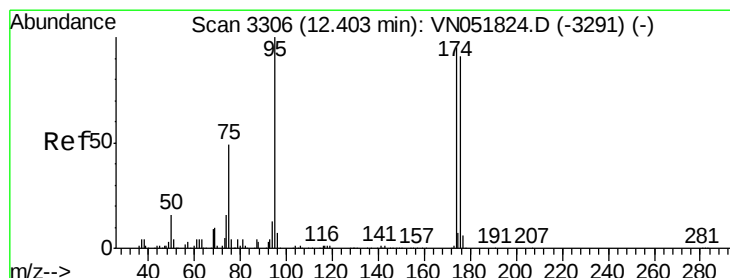
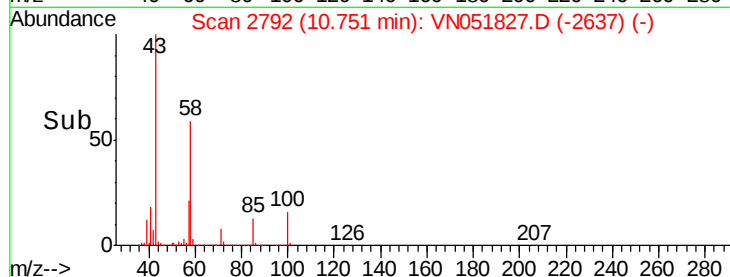
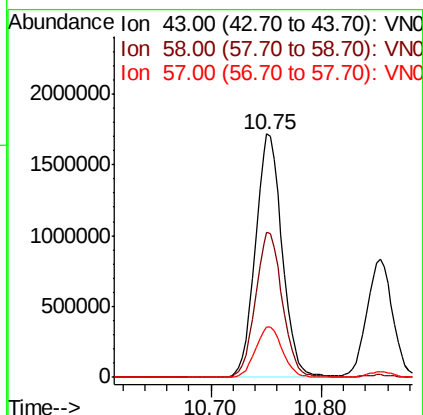
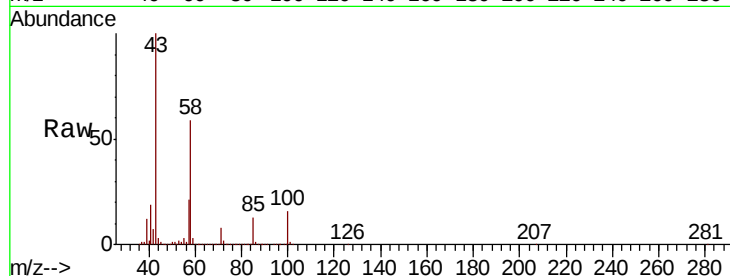




#59
2-Hexanone
Concen: 743.294 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

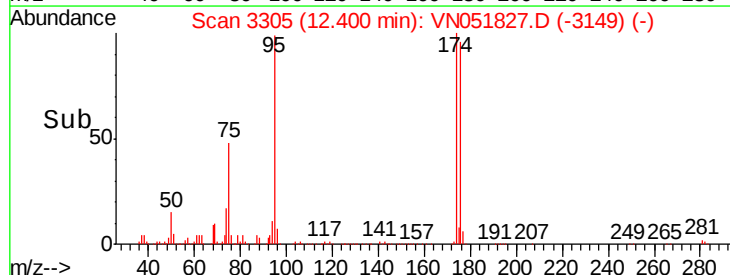
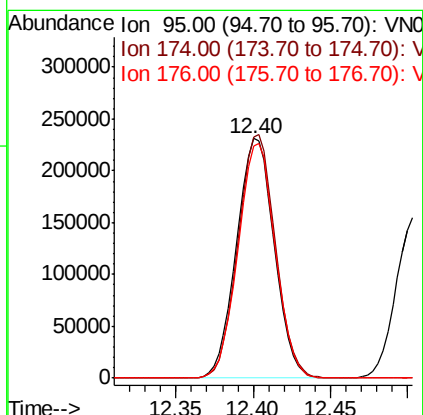
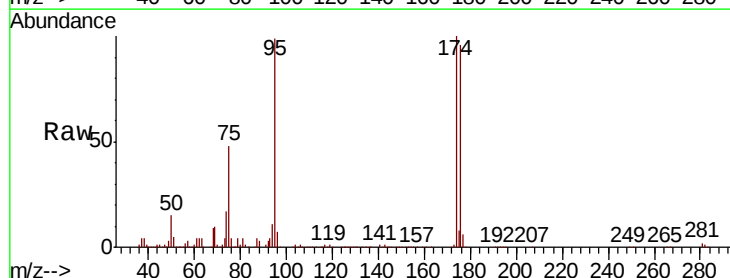
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

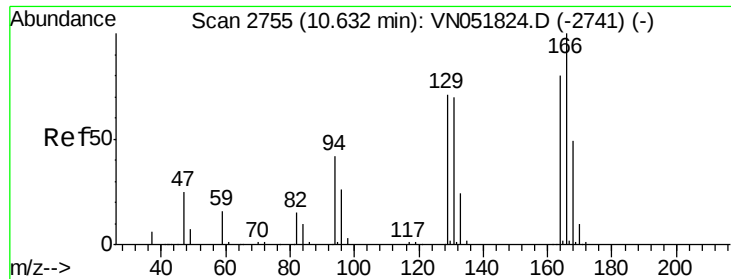
Tot Ion: 43 Resp: 2875674
Ion Ratio Lower Upper
43 100
58 59.8 41.3 61.9
57 20.9 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 743.294 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 95 Resp: 392208
Ion Ratio Lower Upper
95 100
174 100.5 73.5 110.3
176 97.0 70.2 105.2





#61

Tetrachloroethene

Concen: 146.165 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1601840

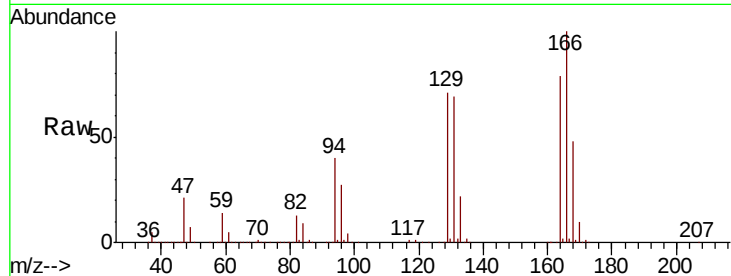
Ion Ratio Lower Upper

164 100

166 126.7 98.7 148.1

129 89.8 69.6 104.4

131 87.6 72.4 108.6

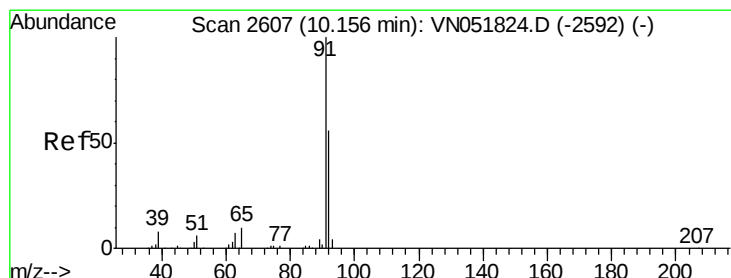
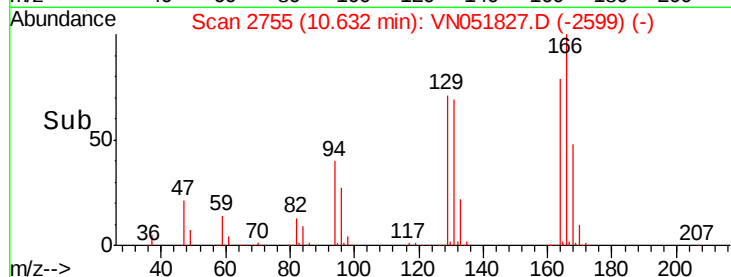
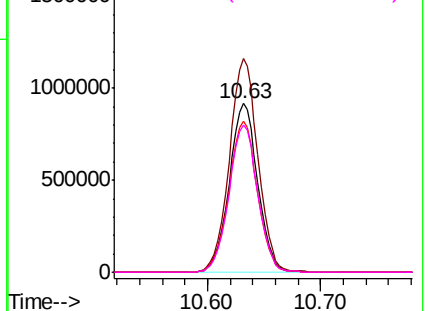


Abundance Ion 163.85 (163.55 to 164.55): V

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: 150.041 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051827.D

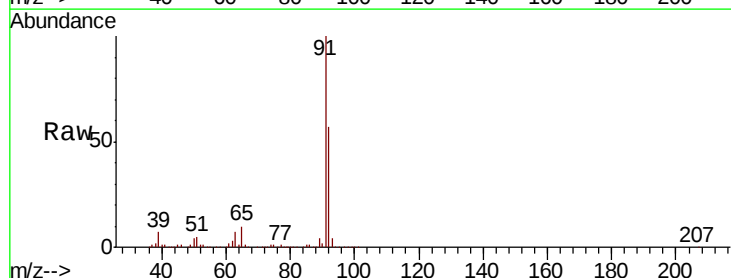
Acq: 12 Oct 2018 9:52

Tgt Ion: 91 Resp: 6387570

Ion Ratio Lower Upper

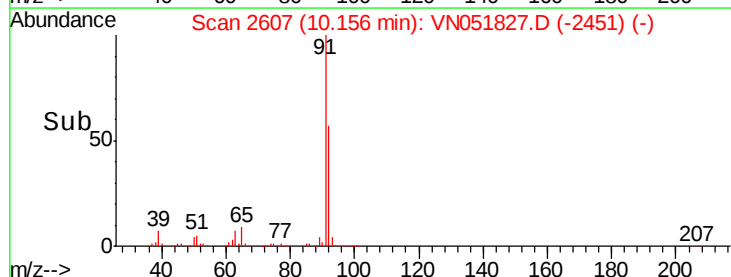
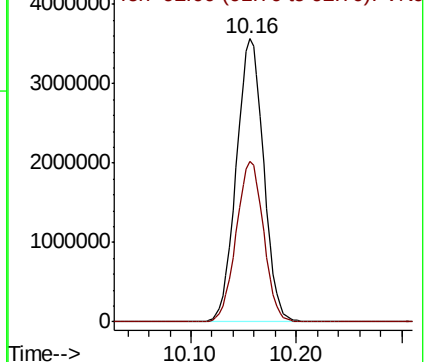
91 100

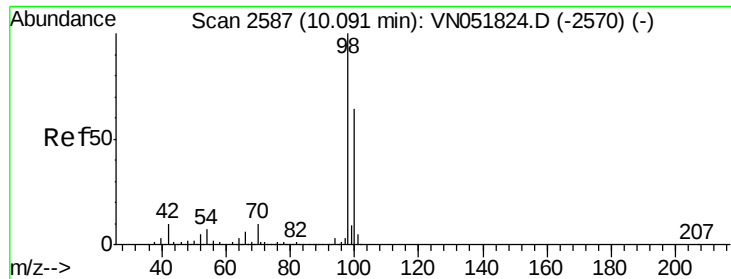
92 57.0 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 150.041 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

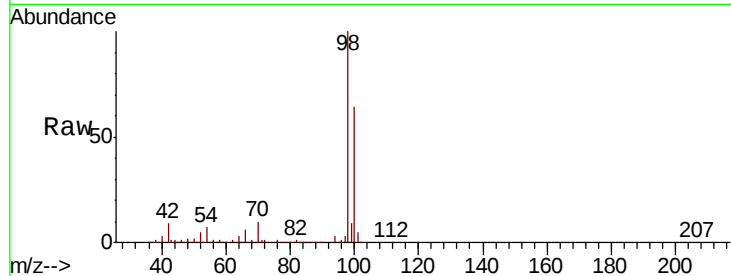
VSTDIC150

Tot Ion: 98 Resp: 1080092

Ion Ratio Lower Upper

98 100

100 64.1 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051827.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051827.D (-2570) (-)

10.09

600000

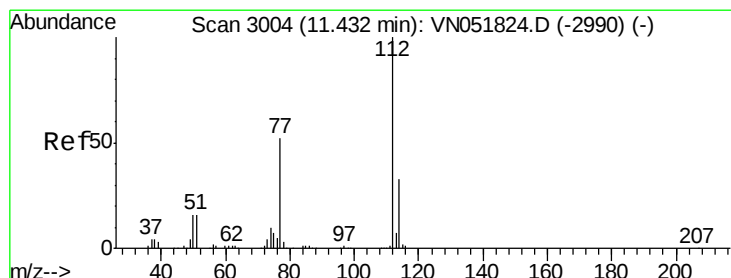
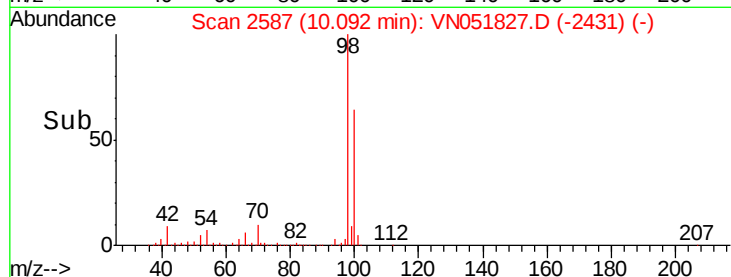
400000

200000

0

10.00 10.10 10.20

Time-->



#64

Chlorobenzene

Concen: 155.021 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051827.D

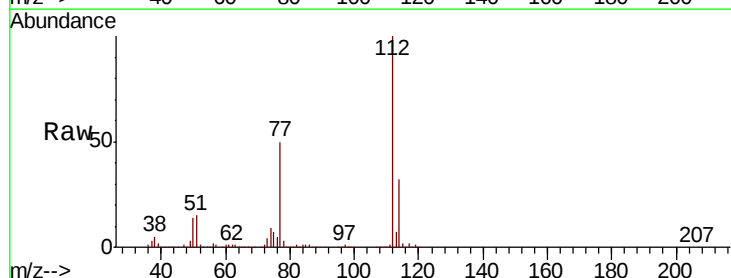
Acq: 12 Oct 2018 9:52

Tgt Ion: 112 Resp: 4322206

Ion Ratio Lower Upper

112 100

114 31.6 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): VN051827.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN051827.D (-2848) (-)

11.43

3000000

2500000

2000000

1500000

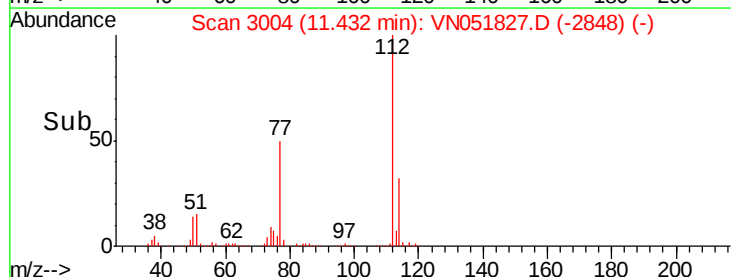
1000000

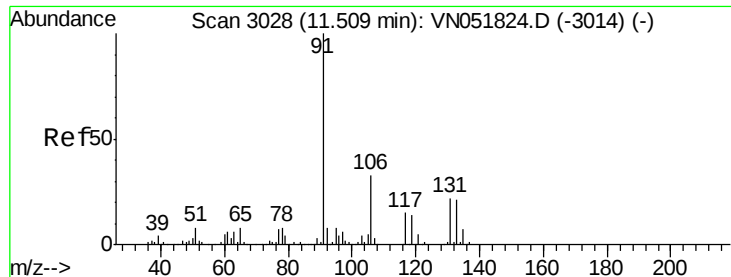
500000

0

11.40 11.50

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 157.555 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

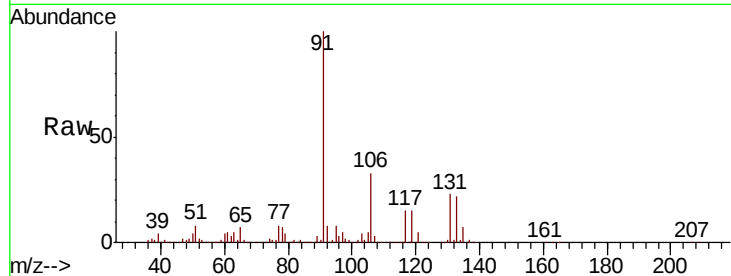
MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:131 Resp: 1686097

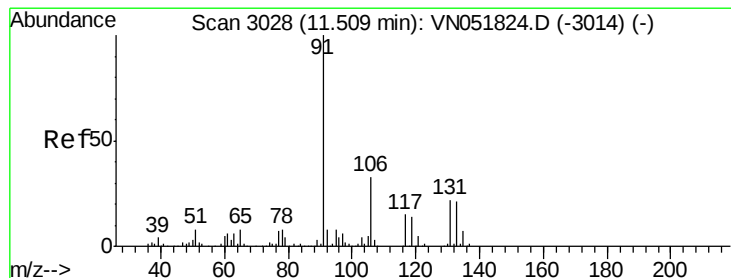
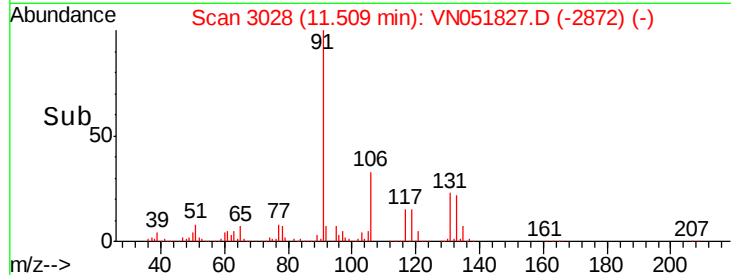
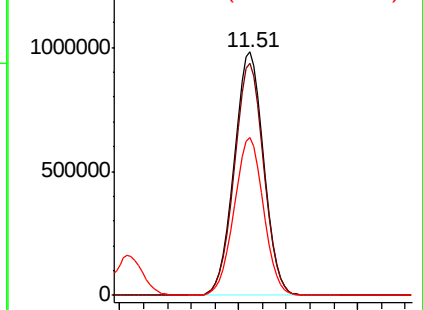
Ion	Ratio	Lower	Upper
131	100		
133	95.4	0.0	190.4
119	64.5	0.0	128.0



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: 152.493 ug/l

RT: 11.51 min Scan# 3028

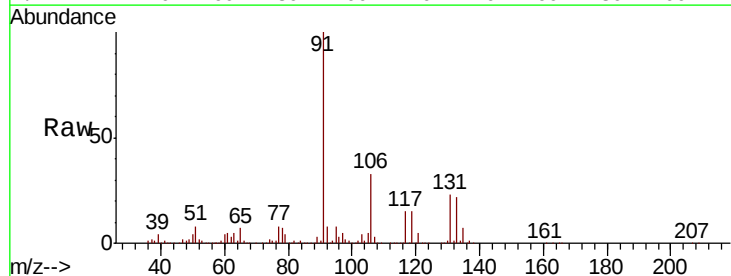
Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

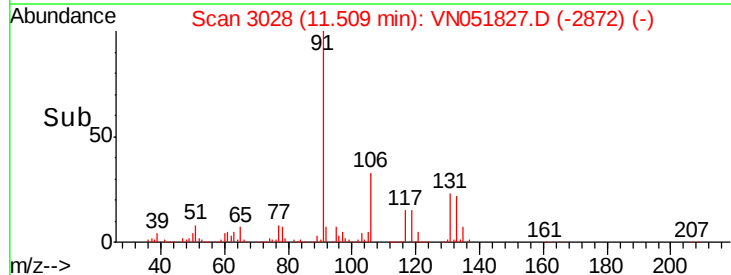
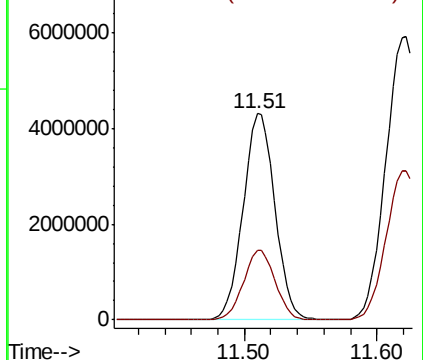
Tgt Ion: 91 Resp: 7174852

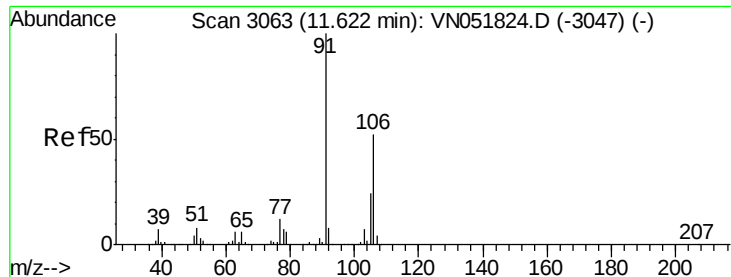
Ion	Ratio	Lower	Upper
91	100		
106	33.5	25.9	38.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 312.169 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

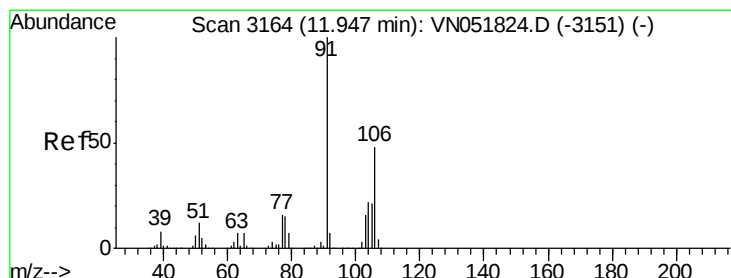
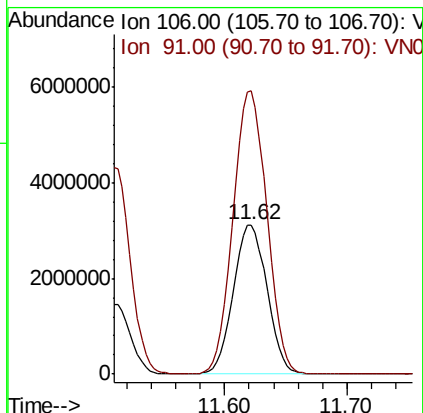
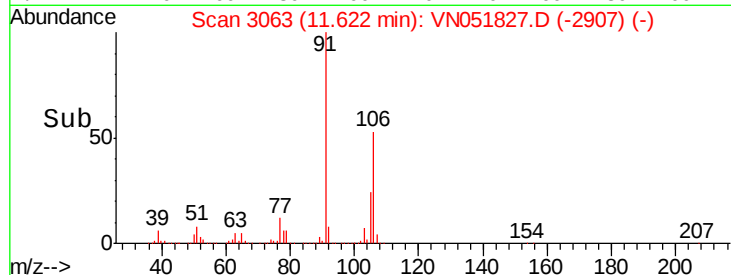
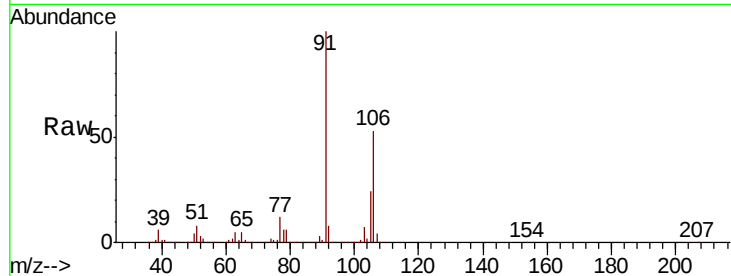
VSTDIC150

Tot Ion:106 Resp: 5954701

Ion Ratio Lower Upper

106 100

91 191.1 158.8 238.2



#68

o-Xylene

Concen: 154.665 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051827.D

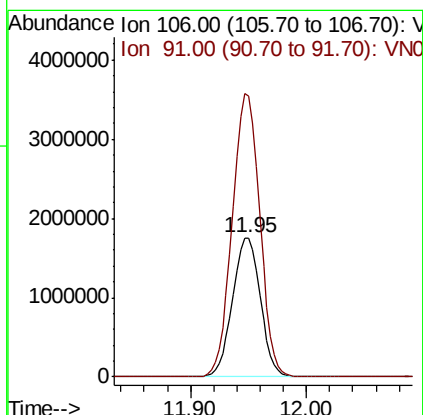
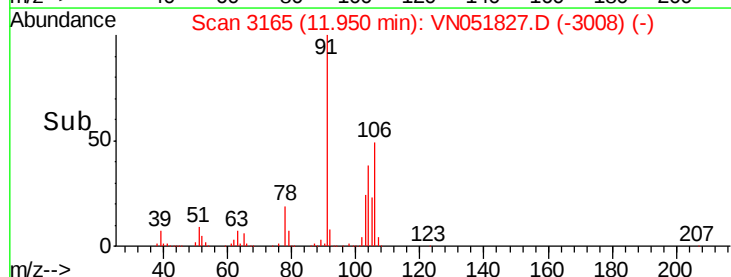
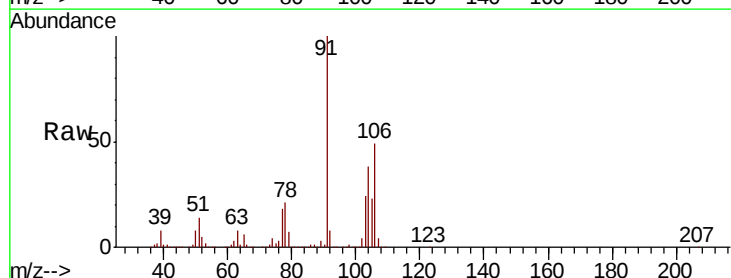
Acq: 12 Oct 2018 9:52

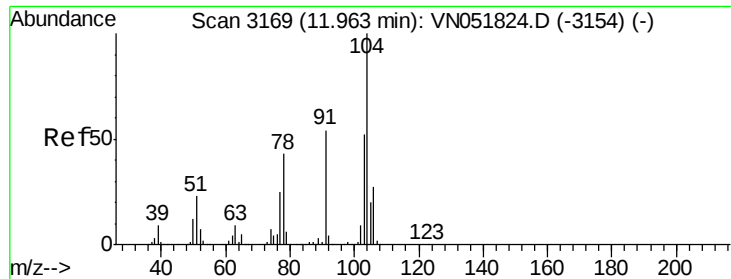
Tgt Ion:106 Resp: 2908443

Ion Ratio Lower Upper

106 100

91 202.1 111.1 333.3

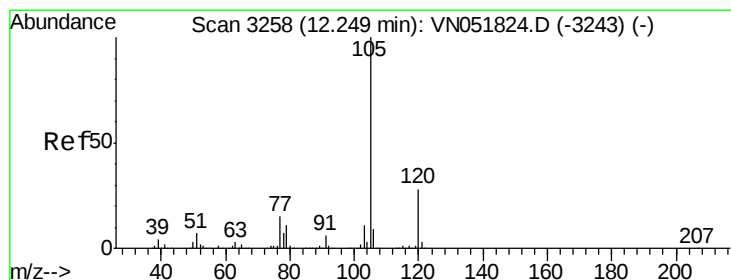
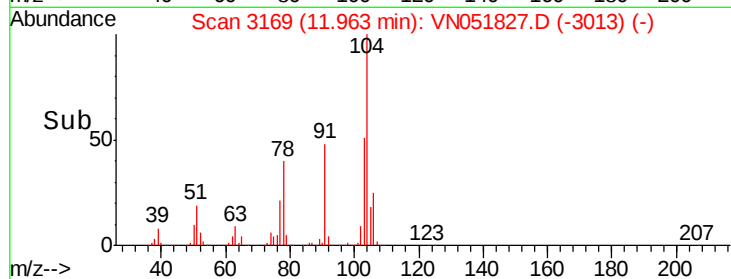
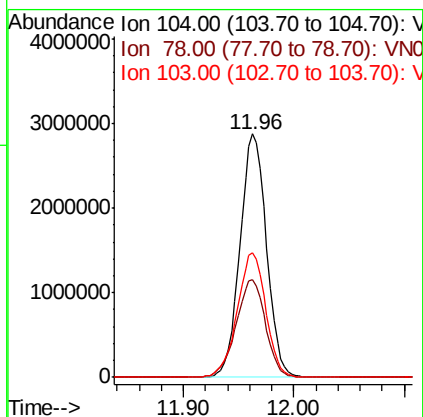
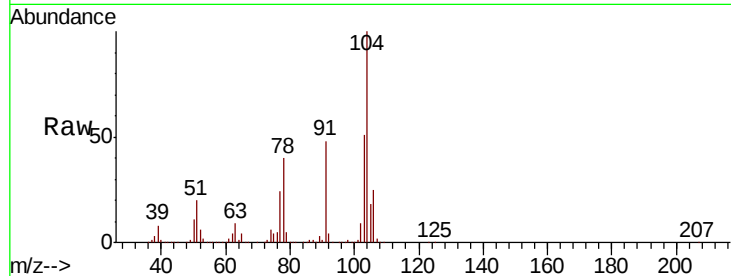




#69
 Stvrene
 Concen: 165.097 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

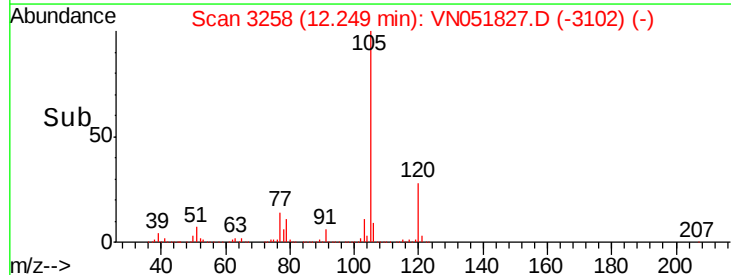
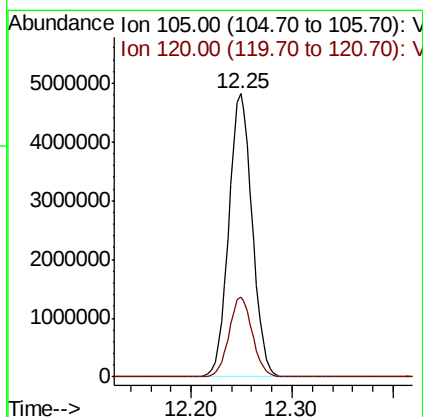
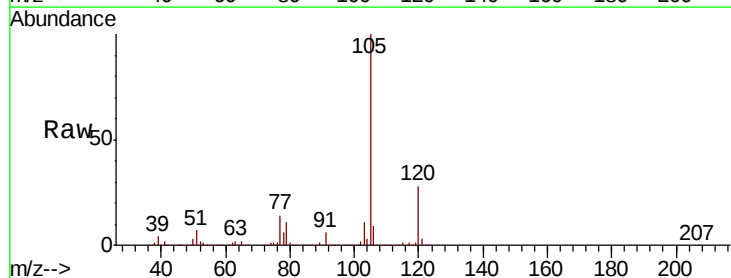
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

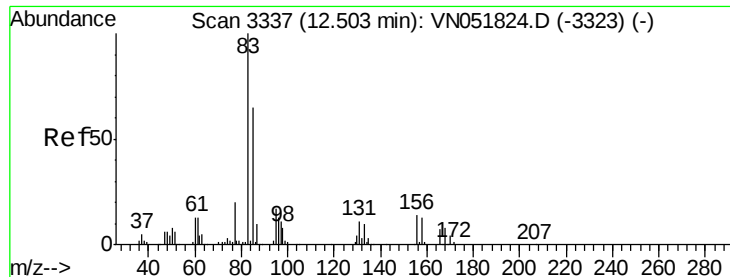
Tot Ion:104 Resp: 4763408
 Ion Ratio Lower Upper
 104 100
 78 44.6 40.6 60.8
 103 55.3 44.0 66.0



#70
 Isopropylbenzene
 Concen: 155.376 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion:105 Resp: 7791611
 Ion Ratio Lower Upper
 105 100
 120 28.1 19.0 35.4





#71

1,1,2,2-Tetrachloroethane

Concen: 155.582 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

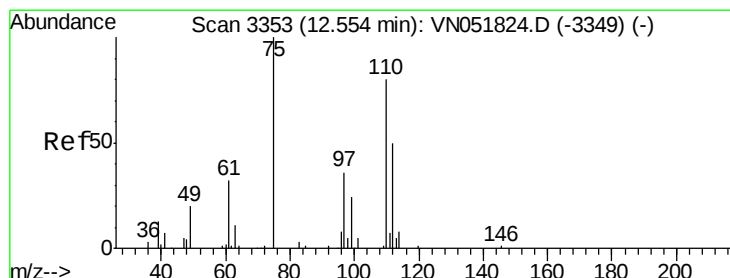
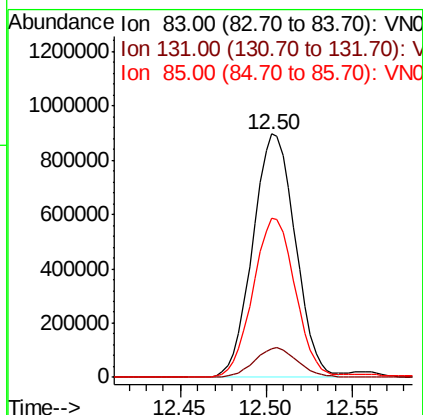
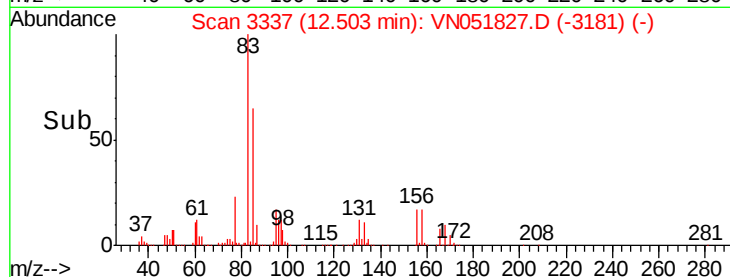
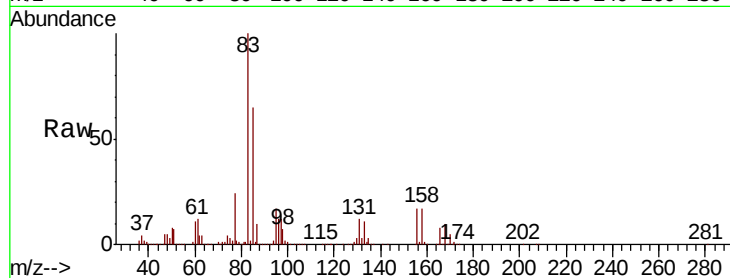
Tot Ion: 83 Resp: 1540759

Ion Ratio Lower Upper

83 100

131 12.5 5.5 16.4

85 64.8 30.6 91.8



#72

1,2,3-Trichloropropane

Concen: 248.552 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051827.D

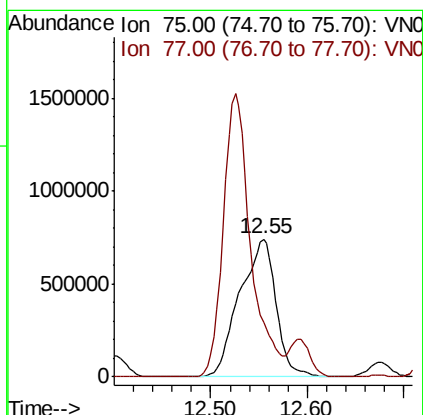
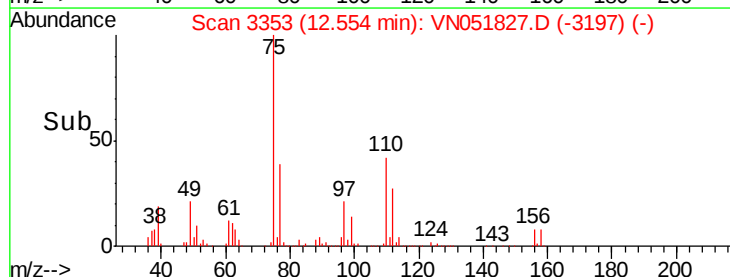
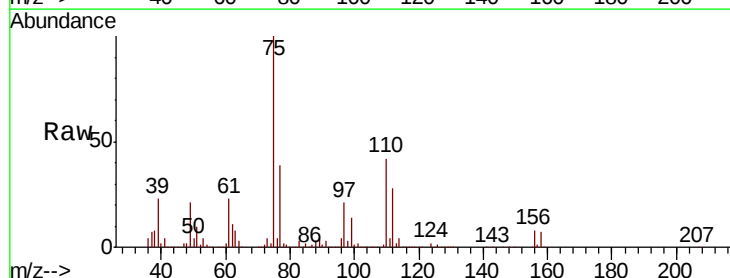
Acq: 12 Oct 2018 9:52

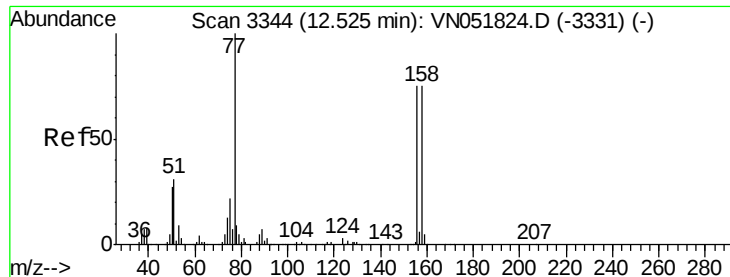
Tgt Ion: 75 Resp: 1936399

Ion Ratio Lower Upper

75 100

77 154.6 0.0 400.0





#73

Bromobenzene

Concen: 168.122 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

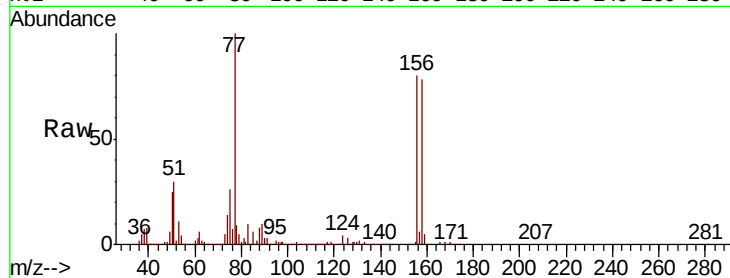
Tot Ion:156 Resp: 2088262

Ion Ratio Lower Upper

156 100

77 143.3 0.0 377.4

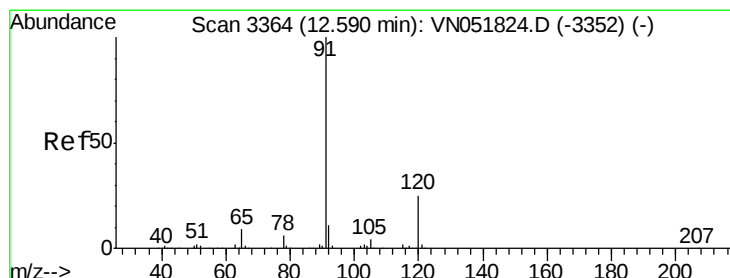
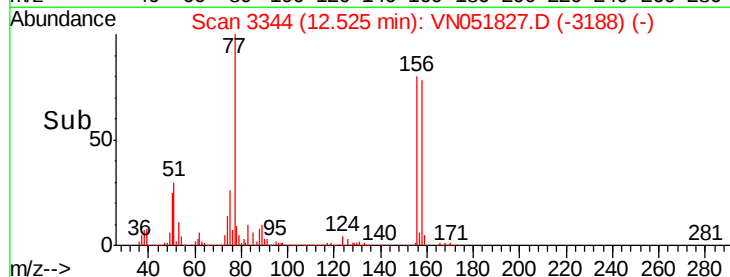
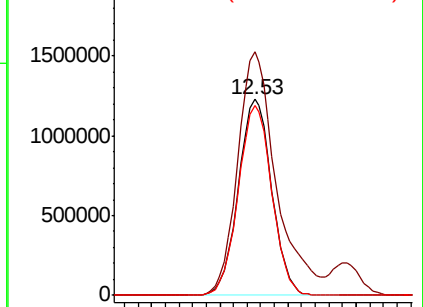
158 97.1 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 158.486 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051827.D

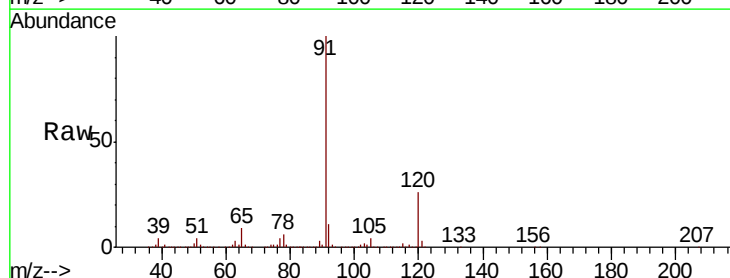
Acq: 12 Oct 2018 9:52

Tgt Ion: 91 Resp: 8548835

Ion Ratio Lower Upper

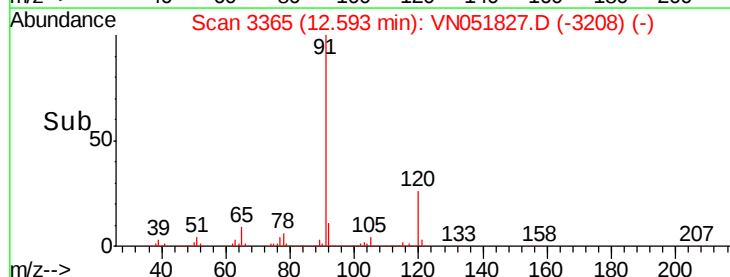
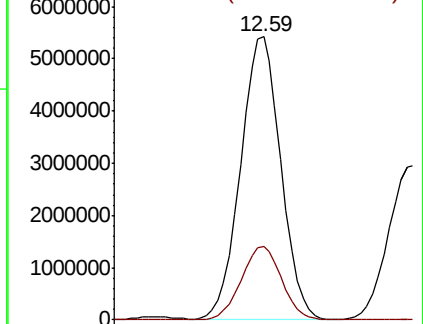
91 100

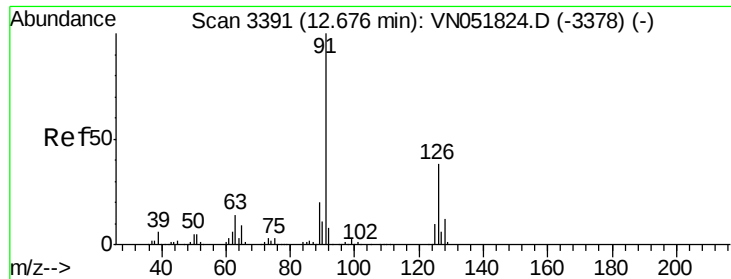
120 25.9 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 155.428 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

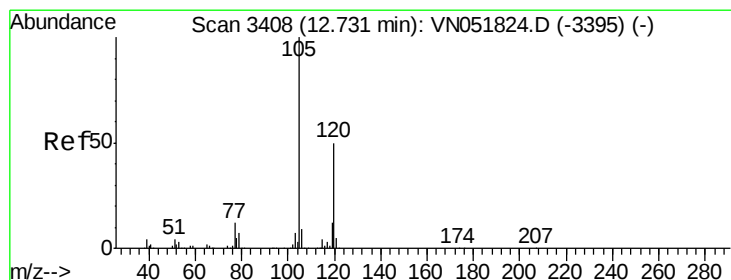
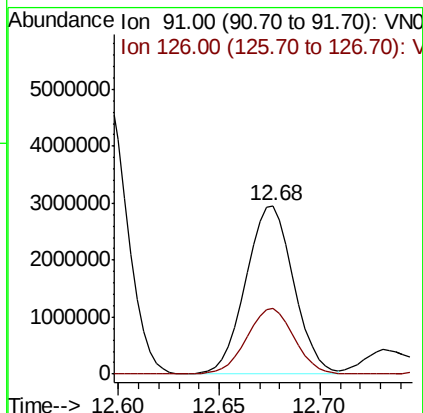
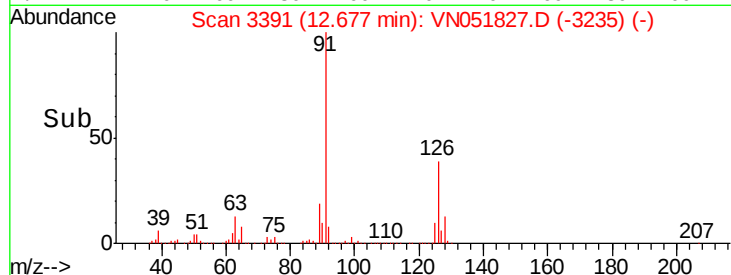
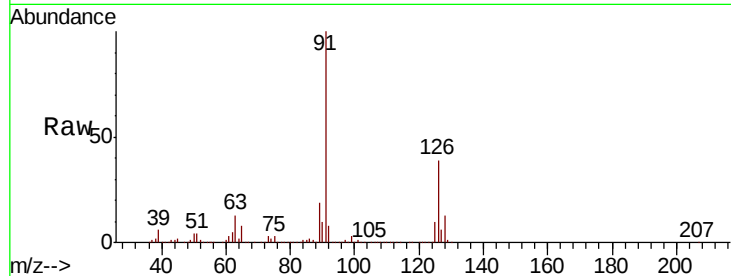
VSTDIC150

Tot Ion: 91 Resp: 4915138

Ion Ratio Lower Upper

91 100

126 38.8 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 158.429 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051827.D

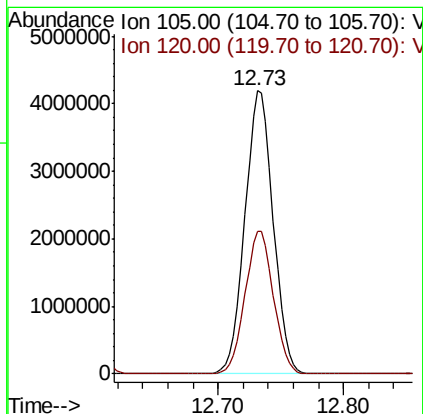
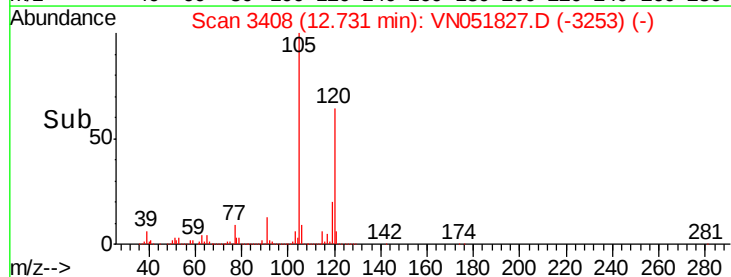
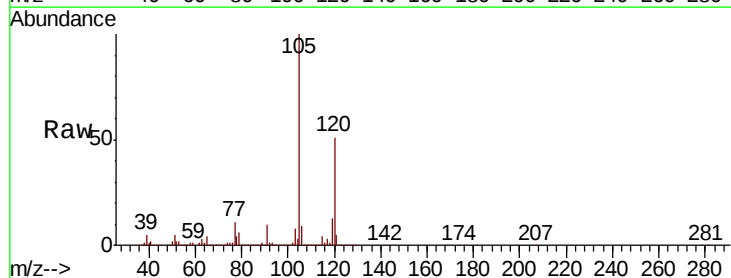
Acq: 12 Oct 2018 9:52

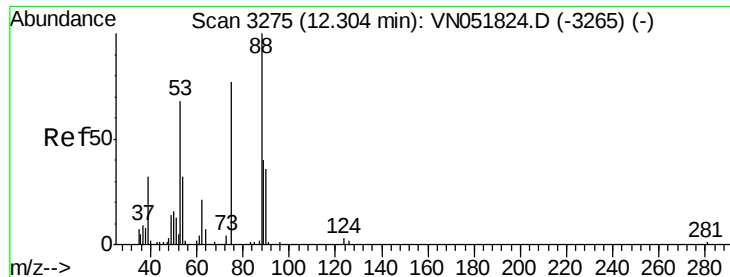
Tgt Ion:105 Resp: 6569781

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 182.056 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

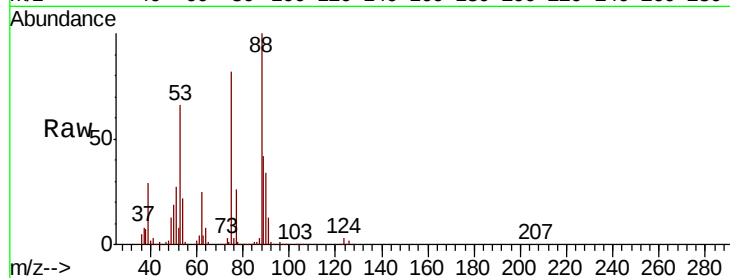
Tot Ion: 75 Resp: 469091

Ion Ratio Lower Upper

75 100

53 79.7 46.3 138.9

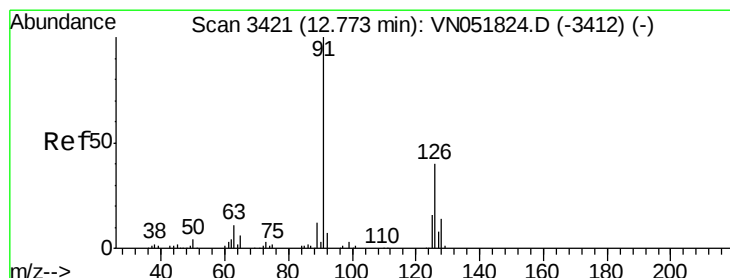
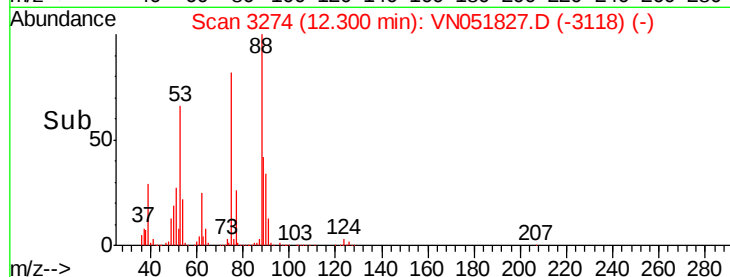
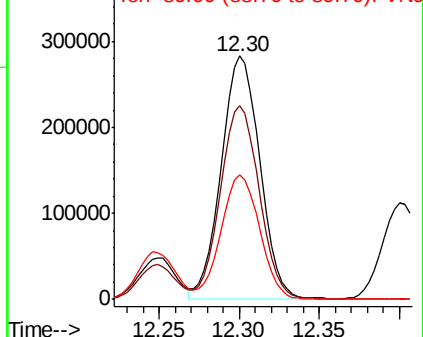
89 51.5 24.6 73.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 162.981 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051827.D

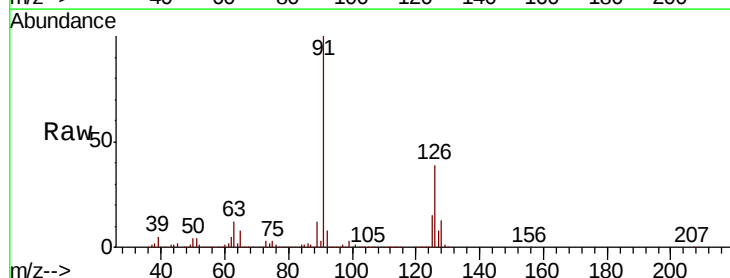
Acq: 12 Oct 2018 9:52

Tgt Ion: 91 Resp: 5063845

Ion Ratio Lower Upper

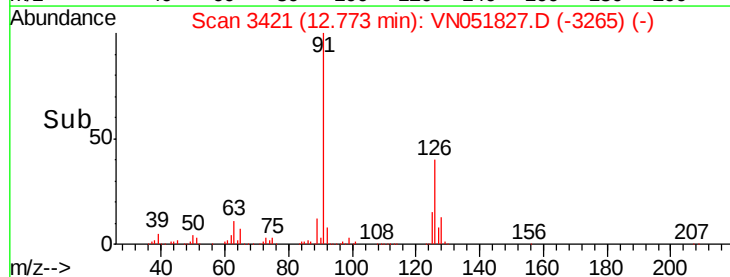
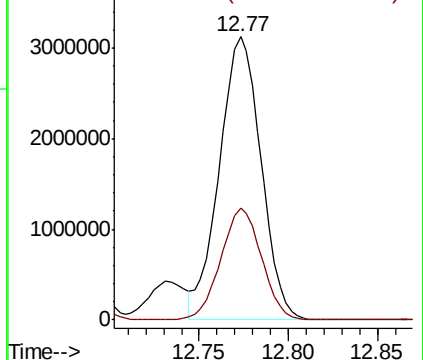
91 100

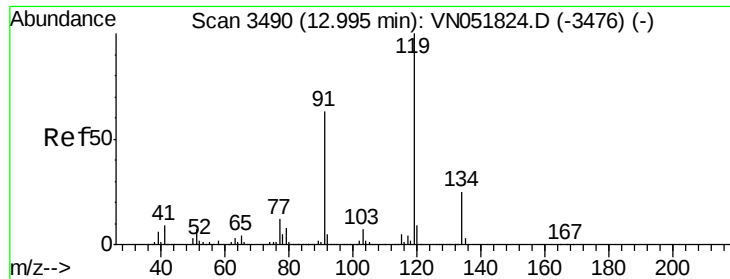
126 38.6 0.0 65.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

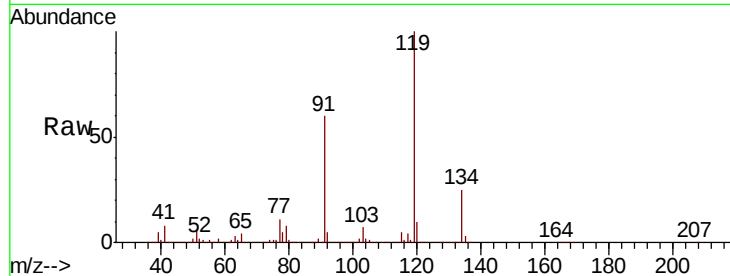




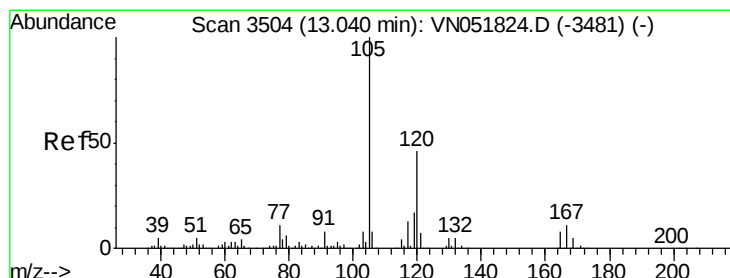
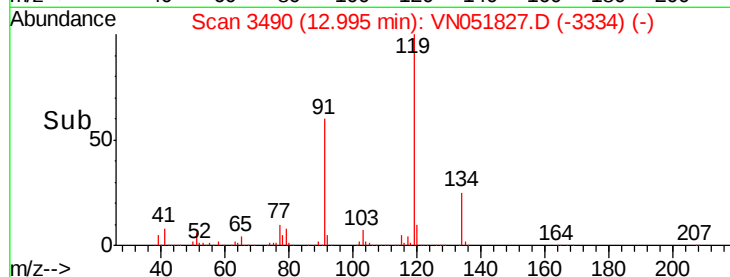
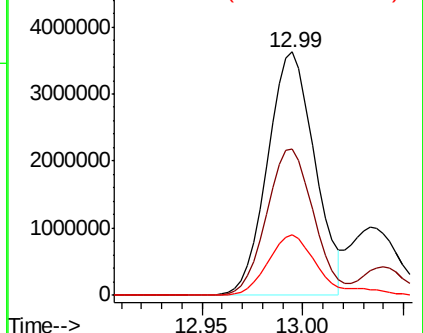
#79
tert-butylbenzene
Concen: 154.277 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 5883458
Ion Ratio Lower Upper
119 100
91 59.9 0.0 131.6
134 25.4 0.0 46.2

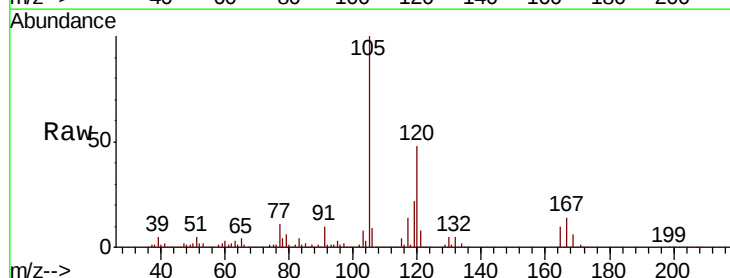


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

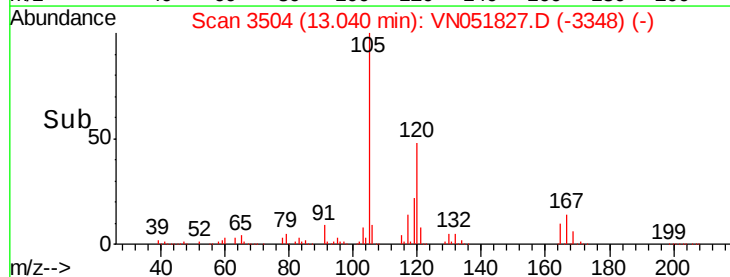
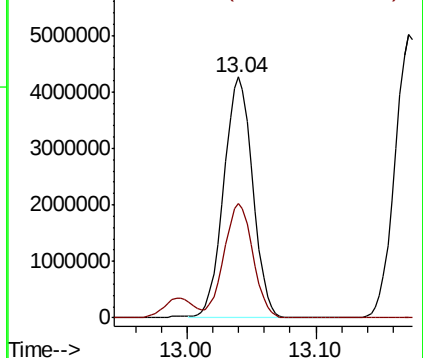


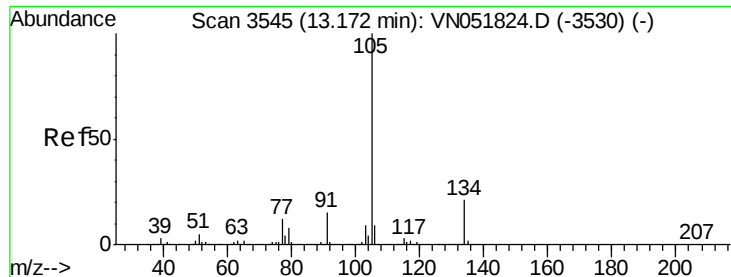
#80
1,2,4-Trimethylbenzene
Concen: 159.551 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion:105 Resp: 6612514
Ion Ratio Lower Upper
105 100
120 47.7 0.0 89.6



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

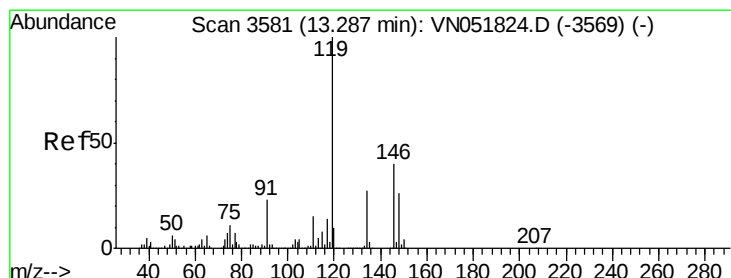
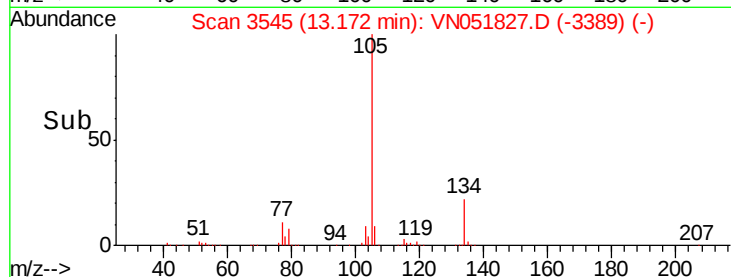
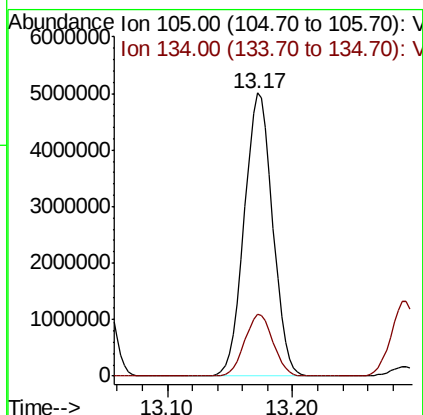
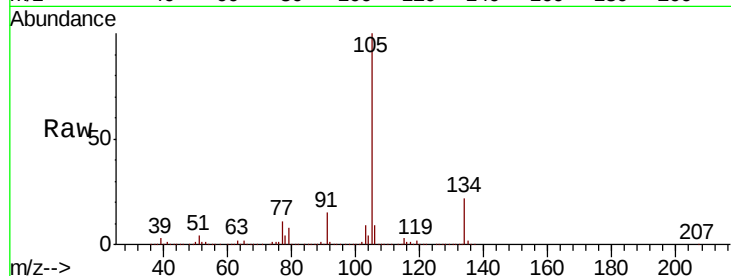




#81
 sec-Butylbenzene
 Concen: 158.002 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

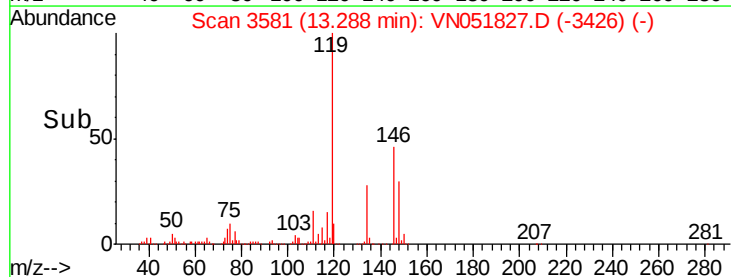
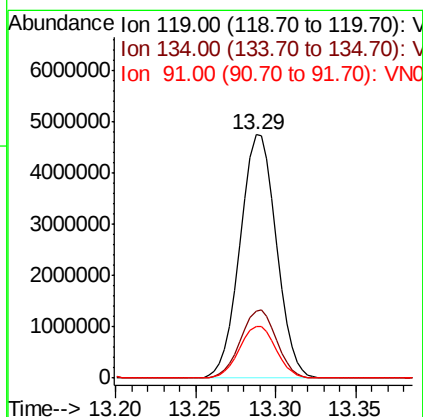
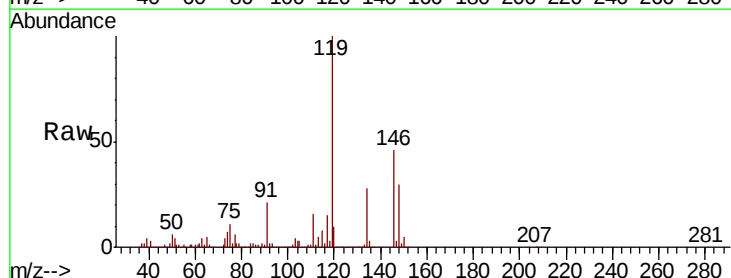
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

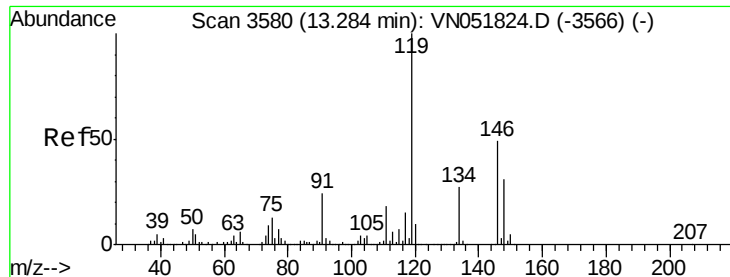
Tot Ion:105 Resp: 7882314
 Ion Ratio Lower Upper
 105 100
 134 21.8 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 163.712 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion:119 Resp: 7308323
 Ion Ratio Lower Upper
 119 100
 134 27.6 0.0 53.6
 91 21.5 0.0 52.0

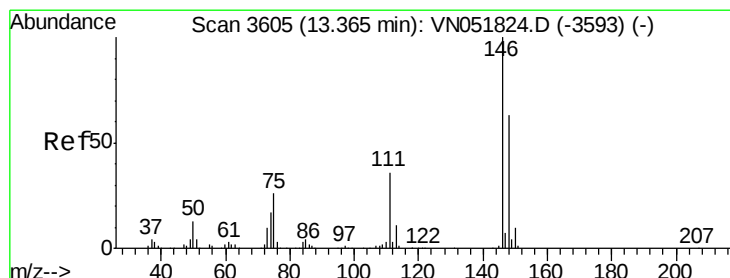
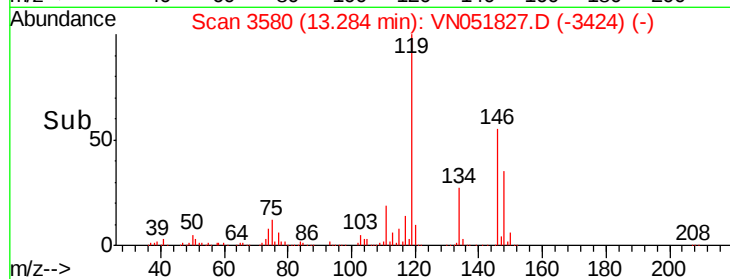
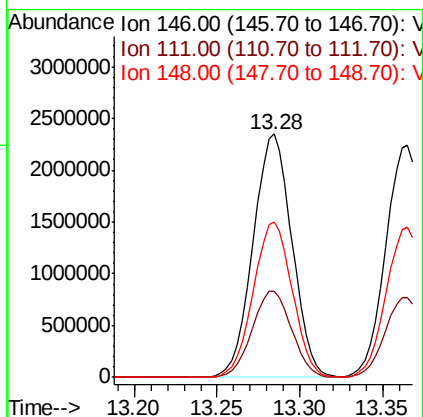
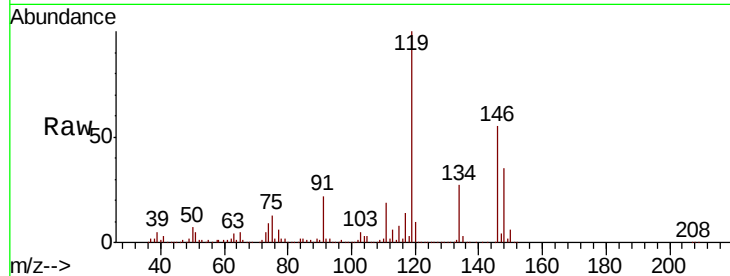




#83
 1,3-Dichlorobenzene
 Concen: 174.741 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

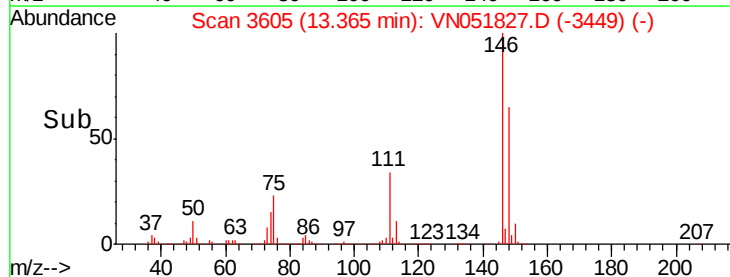
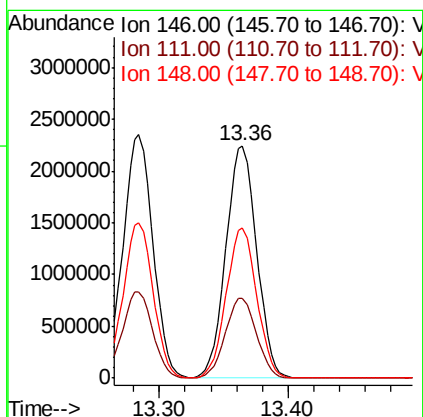
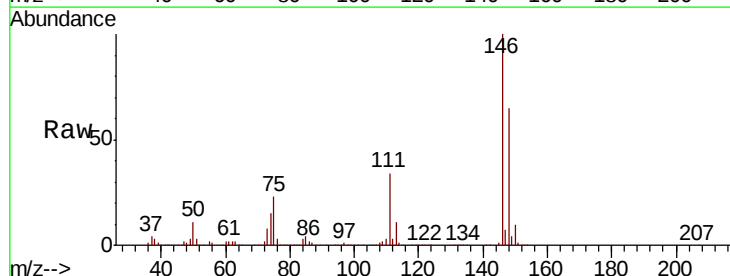
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

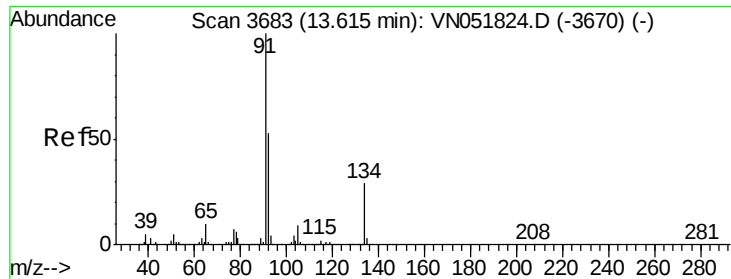
Tot Ion:146 Resp: 3829843
 Ion Ratio Lower Upper
 146 100
 111 35.8 18.1 54.3
 148 63.9 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 179.652 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion:146 Resp: 3706826
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.4 52.2
 148 64.1 32.8 98.3

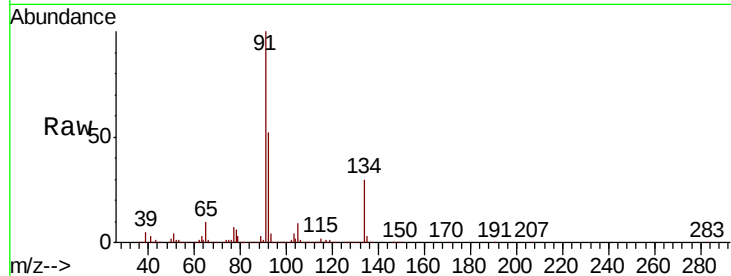




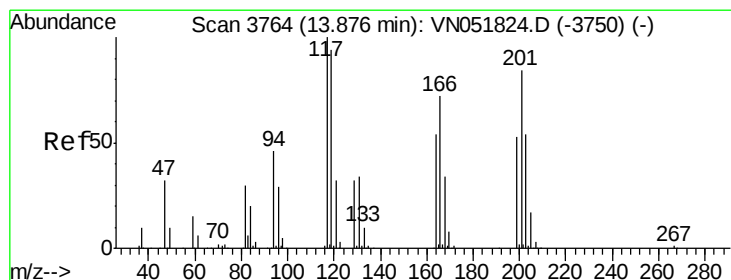
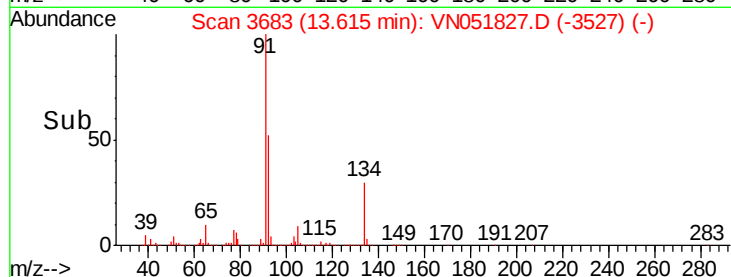
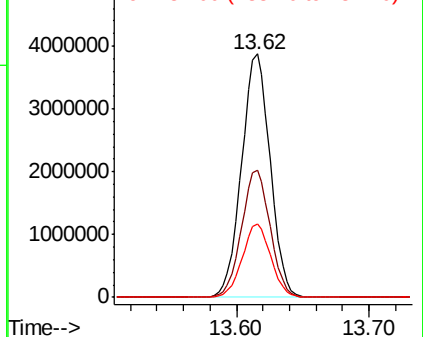
#85
n-Butylbenzene
Concen: 172.090 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 5793053
Ion Ratio Lower Upper
91 100
92 52.2 0.0 97.4
134 30.0 0.0 49.6

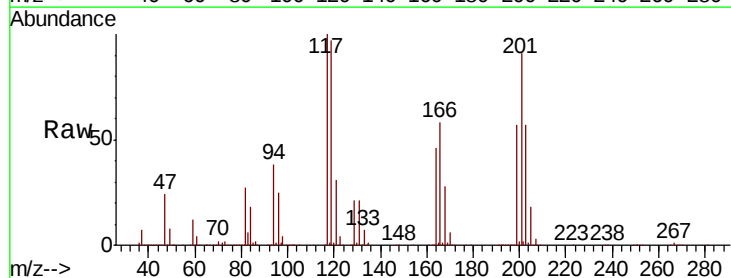


Abundance Ion 91.00 (90.70 to 91.70): VN051827.D (-3670) (-)
Ion 92.00 (91.70 to 92.70): VN051827.D (-3670) (-)
Ion 134.00 (133.70 to 134.70): VN051827.D (-3670) (-)

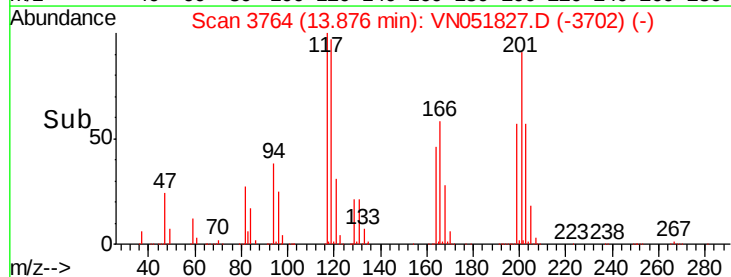
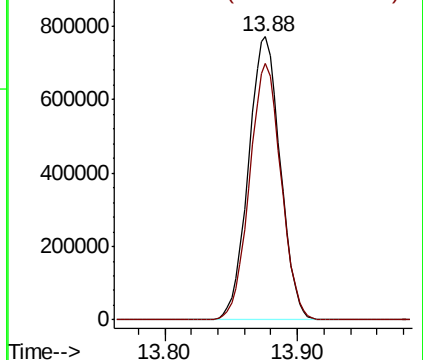


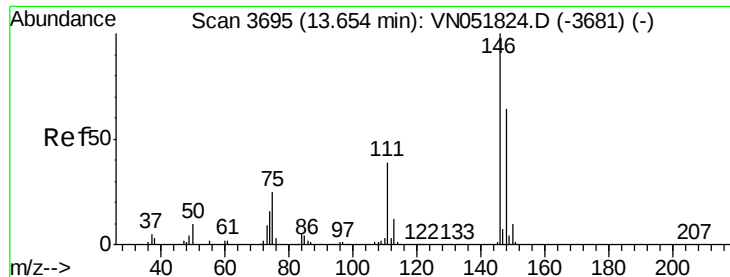
#86
Hexachloroethane
Concen: 166.933 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN051827.D
Acq: 12 Oct 2018 9:52

Tgt Ion: 117 Resp: 1284941
Ion Ratio Lower Upper
117 100
201 89.6 47.8 143.3



Abundance Ion 117.00 (116.70 to 117.70): VN051827.D (-3750) (-)
Ion 201.00 (200.70 to 201.70): VN051827.D (-3750) (-)





#87

1,2-Dichlorobenzene

Concen: 170.354 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

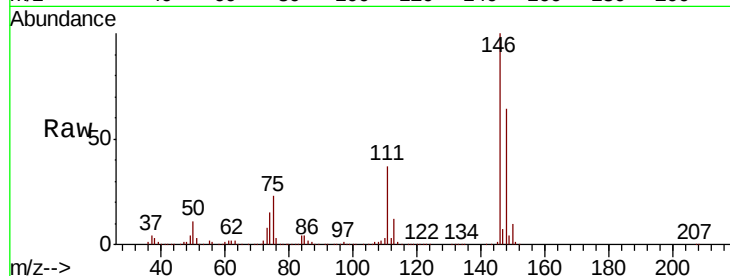
Tot Ion:146 Resp: 3614733

Ion Ratio Lower Upper

146 100

111 37.0 20.8 62.2

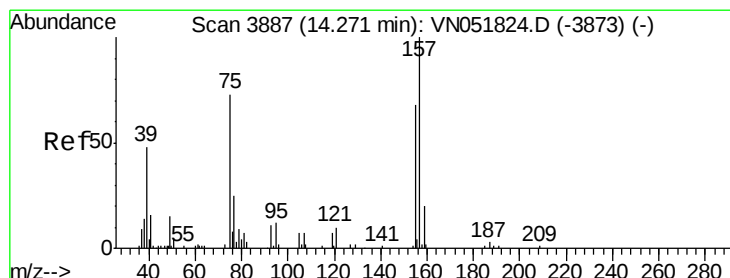
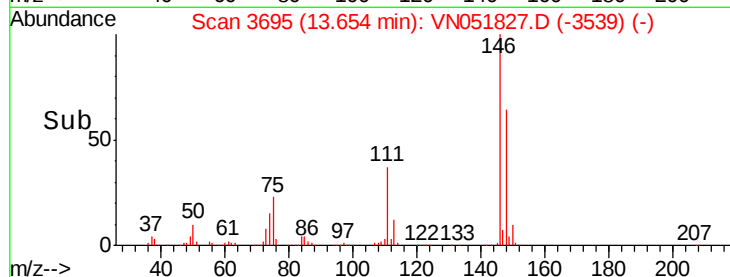
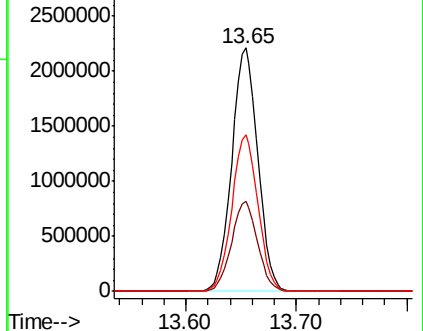
148 64.4 33.2 99.6



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: 164.436 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

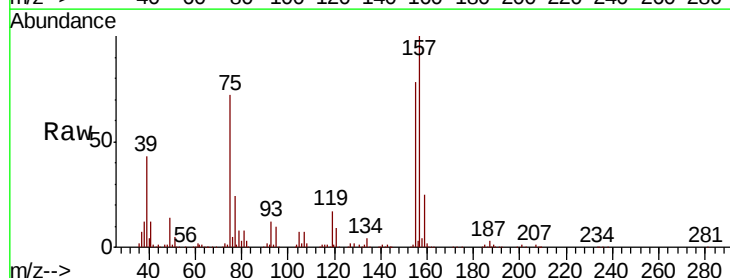
Tgt Ion: 75 Resp: 243187

Ion Ratio Lower Upper

75 100

155 108.8 57.0 85.6#

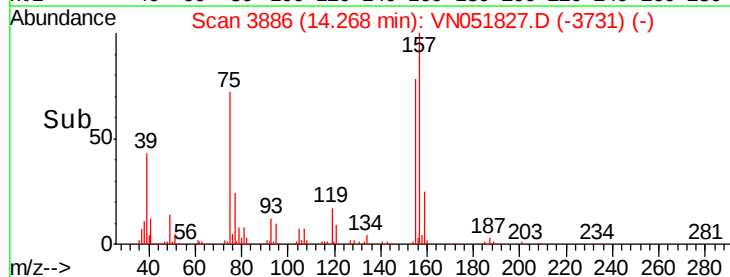
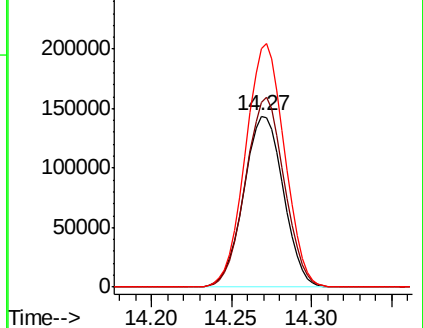
157 140.4 87.4 131.0#

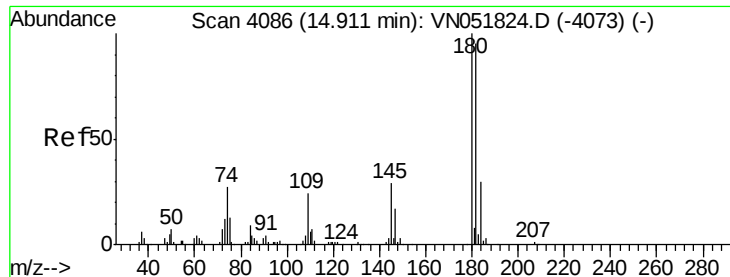


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

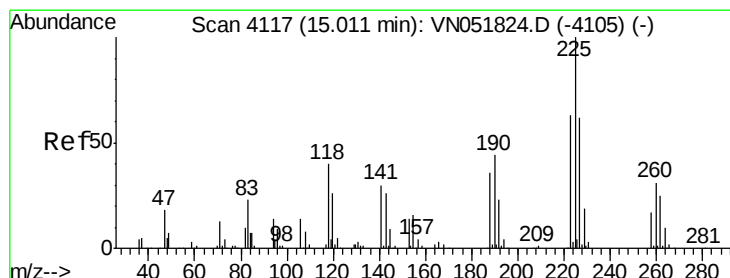
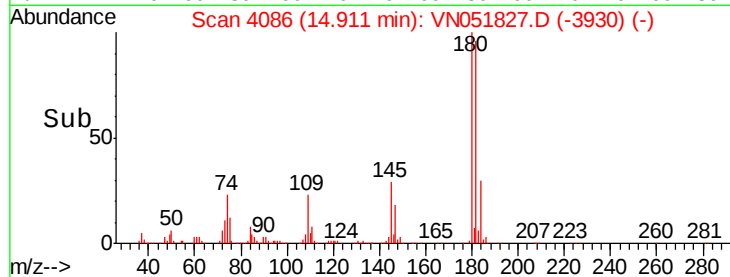
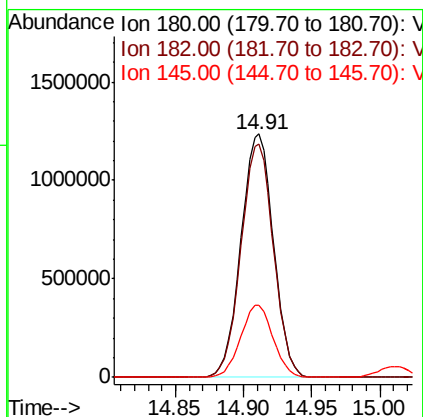
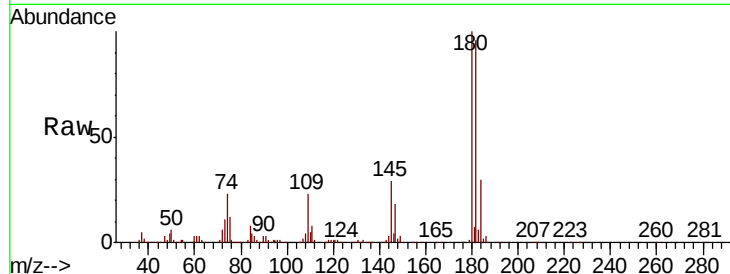




#89
 1,2,4-Trichlorobenzene
 Concen: 153.276 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

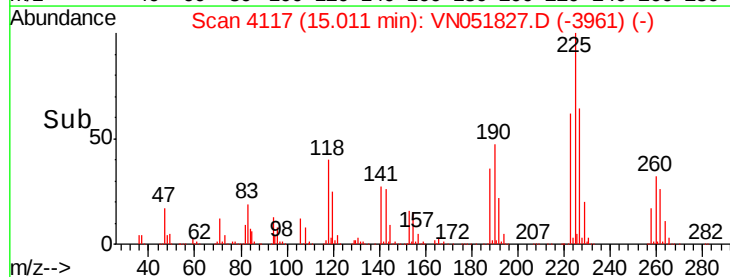
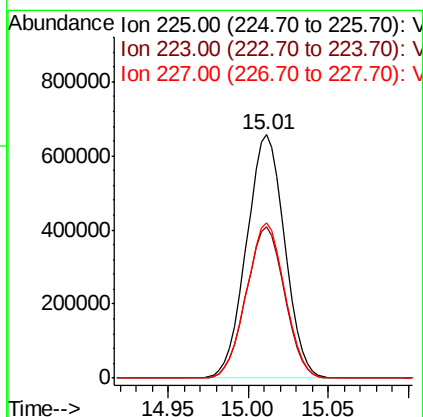
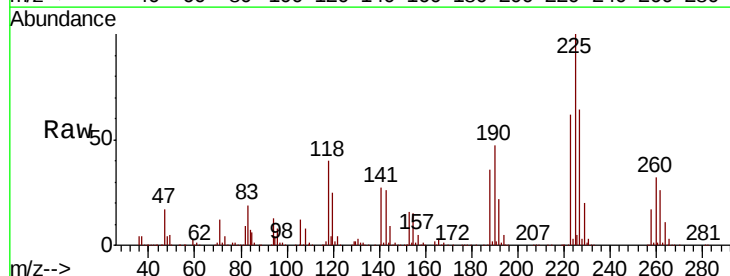
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

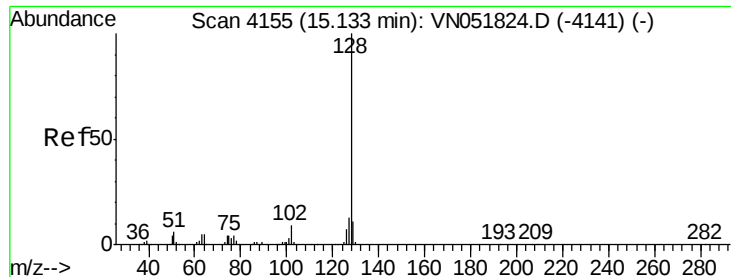
Tot Ion:180 Resp: 2038341
 Ion Ratio Lower Upper
 180 100
 182 95.7 77.7 116.5
 145 29.6 23.4 35.2



#90
 Hexachlorobutadiene
 Concen: 157.398 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051827.D
 Acq: 12 Oct 2018 9:52

Tgt Ion:225 Resp: 1076296
 Ion Ratio Lower Upper
 225 100
 223 62.4 0.0 117.0
 227 63.7 0.0 127.0





#91

Naphthalene

Concen: 154.138 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Instrument :

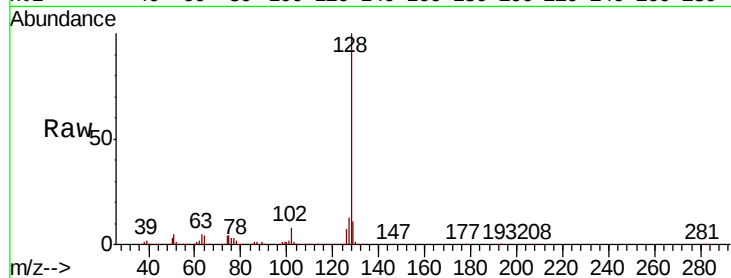
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 4225949

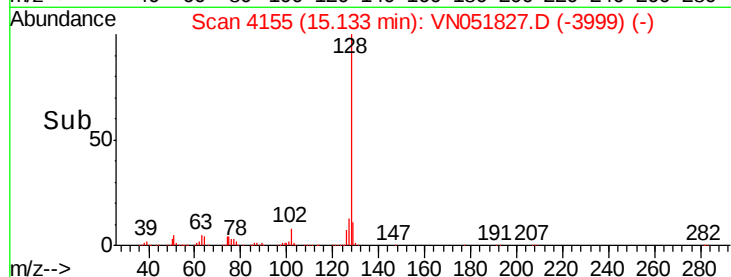
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.4	12.6



Abundance Ion 128.00 (127.70 to 128.70): V

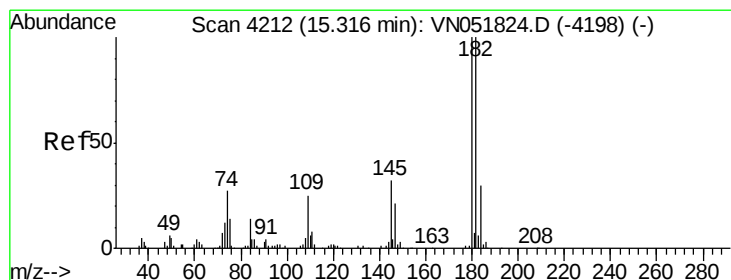
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

15.13



#92

1,2,3-Trichlorobenzene

Concen: 196.552 ug/l

RT: 15.32 min Scan# 4212

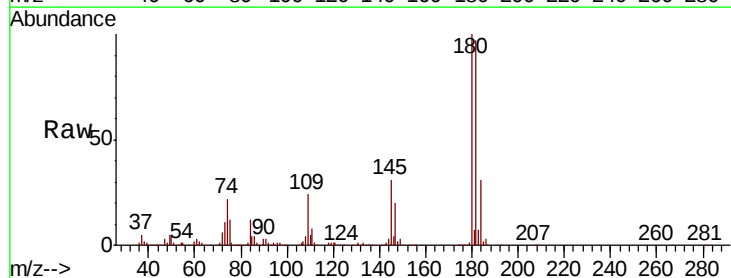
Delta R.T. 0.00 min

Lab File: VN051827.D

Acq: 12 Oct 2018 9:52

Tgt Ion:180 Resp: 1897501

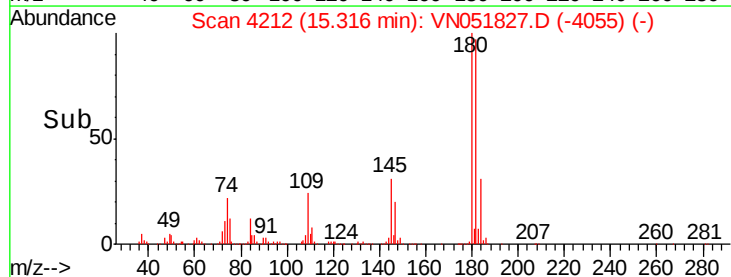
Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	198.0
145	31.5	0.0	36.8



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



Time-->

15.32