

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101518\
 Data File : VN051872.D
 Acq On : 15 Oct 2018 14:22
 Operator : MD\SY
 Sample : VN1015WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 16 00:46:12 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	7.19	128	132827	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	751516	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	662256	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	248577	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	275706	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	882868	30.70	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.33%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	111421	21.592	ug/l 99
3) Chloromethane	2.06	50	108263	19.851	ug/l 95
4) Vinyl Chloride	2.18	62	154694	18.994	ug/l 99
5) Bromomethane	2.57	94	80259	11.153	ug/l 86
6) Chloroethane	2.70	64	116183	19.794	ug/l 100
7) Trichlorofluoromethane	3.01	101	242838	20.913	ug/l 95
8) Diethyl Ether	3.41	74	70861	20.963	ug/l 73
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141122	21.341	ug/l # 41
10) 1,1-Dichloroethene	3.74	96	126981	20.764	ug/l 84
11) Methyl Iodide	3.95	142	97905	11.013	ug/l 93
12) Methyl Acetate	4.33	43	78314	20.622	ug/l 91
13) Acrolein	3.60	56	7909	31.610	ug/l # 1
14) Acrylonitrile	4.99	53	163435	96.294	ug/l # 59
15) Acetone	3.82	58	43423	103.496	ug/l 94
16) Carbon Disulfide	4.05	76	301450	18.769	ug/l 97
17) Allyl chloride	4.33	41	137705	18.966	ug/l 74
18) Methylene Chloride	4.55	84	140263	20.513	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	140331	20.096	ug/l 84
20) Diisopropyl ether	5.95	45	318206	19.679	ug/l # 90
21) 1,1-Dichloroethane	5.85	63	227357	20.122	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	162416	19.802	ug/l # 82
23) tert-Butyl Alcohol	4.79	59	41893	93.720	ug/l # 100
25) Chloroform	7.37	83	272995	20.366	ug/l 98
26) Cyclohexane	7.66	56	188759	19.706	ug/l # 73
29) 1,1-Dichloropropene	7.79	75	188599	19.469	ug/l 94
30) 2-Butanone	6.84	43	182813	90.290	ug/l # 86
31) 2,2-Dichloropropane	6.83	77	210000	18.428	ug/l # 77
32) 1,1,1-Trichloroethane	7.57	97	254267	19.798	ug/l 95
33) Carbon Tetrachloride	7.78	117	224123	19.288	ug/l 91
34) Benzene	8.04	78	578815	20.200	ug/l # 67
35) Methacrylonitrile	7.18	41	46042	17.308	ug/l 77
37) Trichloroethene	8.84	130	176485	19.841	ug/l 97
38) Methylcyclohexane	9.08	83	238717	19.213	ug/l 79
39) 1,2-Dichloropropane	9.12	63	133612	19.800	ug/l 93
40) Dibromomethane	9.21	93	97656	19.499	ug/l 93
41) Bromodichloromethane	9.40	83	203171	19.640	ug/l 95
42) Vinyl Acetate	5.90	43	1091100	95.729	ug/l # 89

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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 ClientSampleId :

Quant Time: Oct 16 00:46:12 2018
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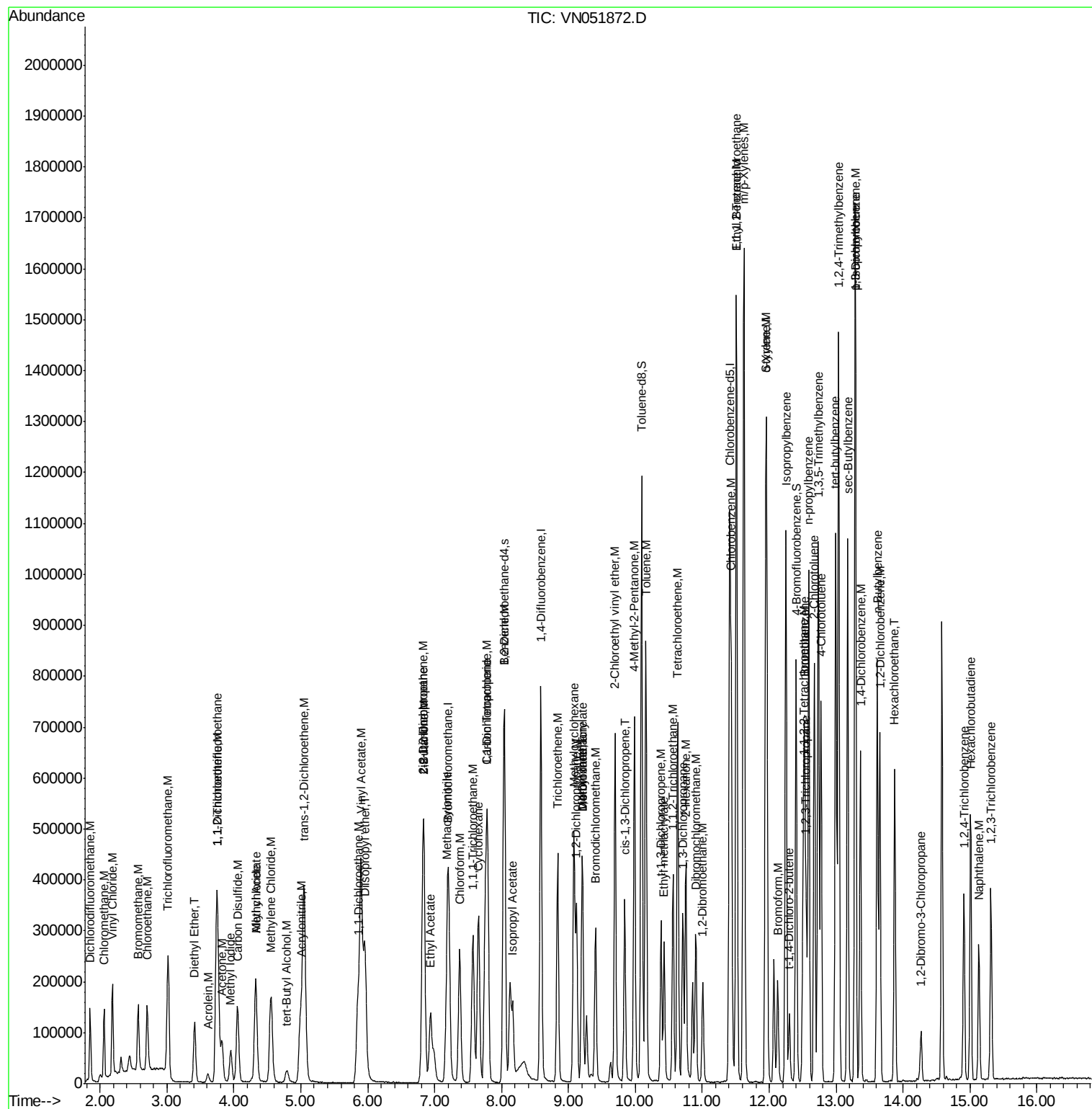
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.93	43	83316	18.951	ug/l #	79
44) Isopropyl Acetate	8.17	43	174691	19.893	ug/l #	73
45) 1,4-Dioxane	9.20	88	27357	387.986	ug/l #	77
46) Methyl methacrylate	9.20	41	76104	18.789	ug/l	73
48) t-1,3-Dichloropropene	10.38	75	180169	17.860	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	212667	19.123	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	137441	19.862	ug/l	96
51) Ethyl methacrylate	10.43	69	150541	19.002	ug/l	86
52) 1,3-Dichloropropane	10.71	76	210996	19.756	ug/l	98
53) Dibromochloromethane	10.90	129	157539	18.403	ug/l	95
54) 1,2-Dibromoethane	11.01	107	141107	19.427	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	320251	94.560	ug/l #	92
56) Bromoform	12.13	173	95705	16.952	ug/l	95
58) 4-Methyl-2-Pentanone	9.99	43	448182	101.129	ug/l #	87
59) 2-Hexanone	10.75	43	274014	91.648	ug/l #	90
61) Tetrachloroethene	10.63	164	171247	20.220	ug/l	96
62) Toluene	10.16	91	696253	21.163	ug/l	98
64) Chlorobenzene	11.43	112	432852	20.089	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.51	131	164550	19.897	ug/l	99
66) Ethyl Benzene	11.51	91	720956	19.828	ug/l	98
67) m/p-Xylenes	11.62	106	570626	38.709	ug/l	99
68) o-Xylene	11.95	106	285175	19.623	ug/l	90
69) Styrene	11.96	104	425225	19.071	ug/l	97
70) Isopropylbenzene	12.25	105	761425	19.648	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	156383	20.433	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	174245	28.941	ug/l	75
73) Bromobenzene	12.53	156	184276	19.197	ug/l	83
74) n-propylbenzene	12.59	91	806869	19.356	ug/l	96
75) 2-Chlorotoluene	12.67	91	478265	19.570	ug/l	93
76) 1,3,5-Trimethylbenzene	12.73	105	624680	19.493	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	30574	15.354	ug/l	98
78) 4-Chlorotoluene	12.77	91	443954	18.489	ug/l	91
79) tert-butylbenzene	12.99	119	581854	19.743	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	627568	19.594	ug/l	98
81) sec-Butylbenzene	13.17	105	750160	19.458	ug/l	96
82) p-Isopropyltoluene	13.29	119	656763	19.037	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	316800	18.704	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	289433	18.151	ug/l	98
85) n-Butylbenzene	13.62	91	479184	18.420	ug/l	96
86) Hexachloroethane	13.87	117	104131	17.505	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	313502	19.118	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	21839	19.108	ug/l #	76
89) 1,2,4-Trichlorobenzene	14.91	180	121569	18.960	ug/l	99
90) Hexachlorobutadiene	15.01	225	101871	19.277	ug/l	97
91) Naphthalene	15.13	128	238143	19.151	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	133701	17.921	ug/l	93

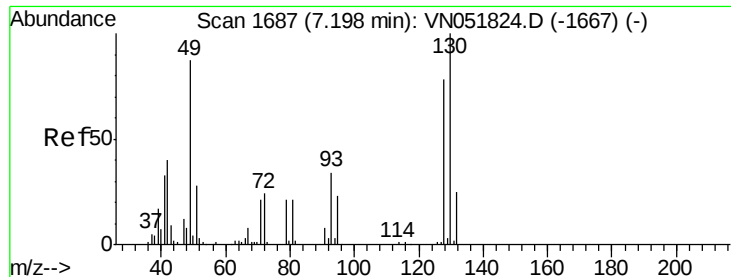
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

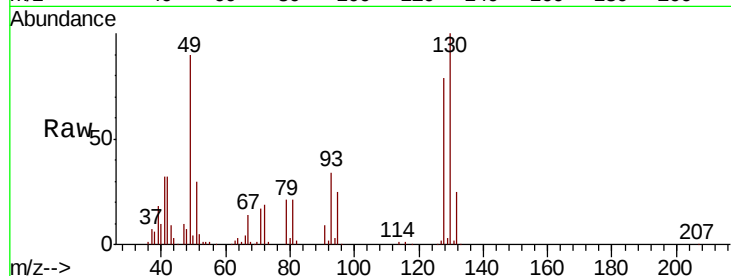
Tot Ion:128 Resp: 132827

Ion Ratio Lower Upper

128 100

49 110.3 0.0 403.3

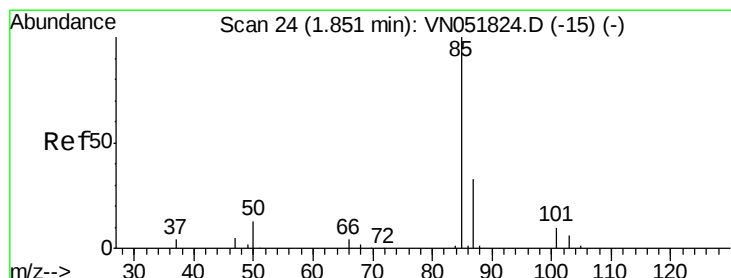
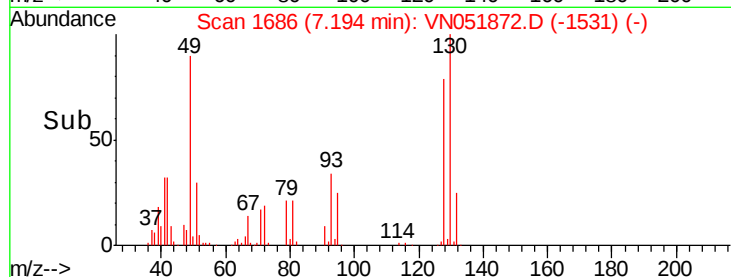
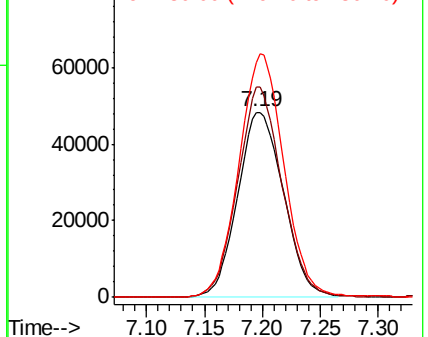
130 129.0 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.592 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051872.D

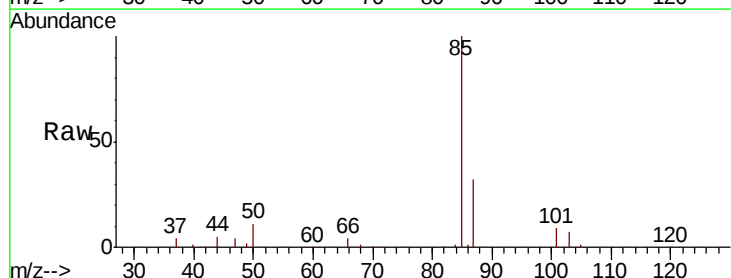
Acq: 15 Oct 2018 14:22

Tgt Ion: 85 Resp: 111421

Ion Ratio Lower Upper

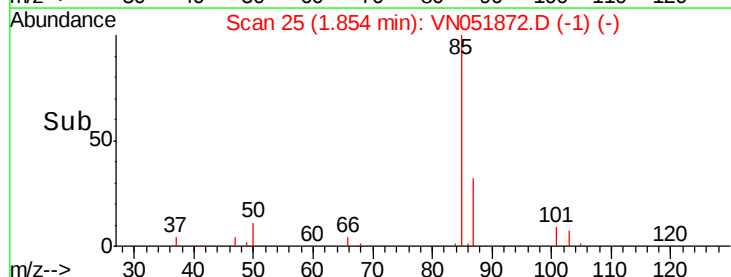
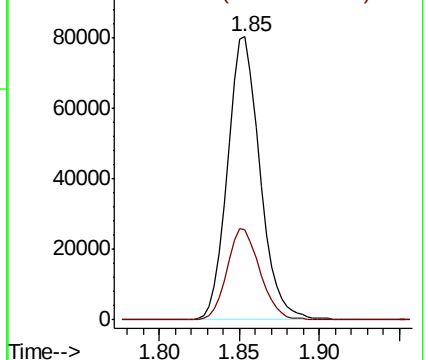
85 100

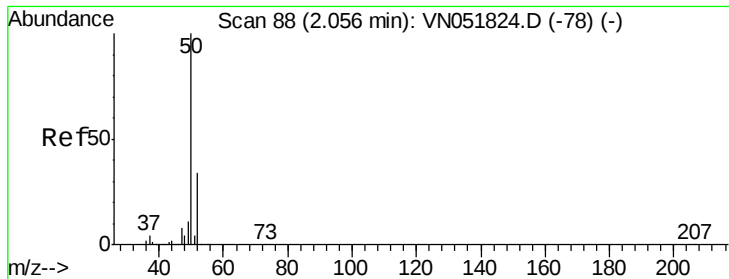
87 31.9 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.851 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

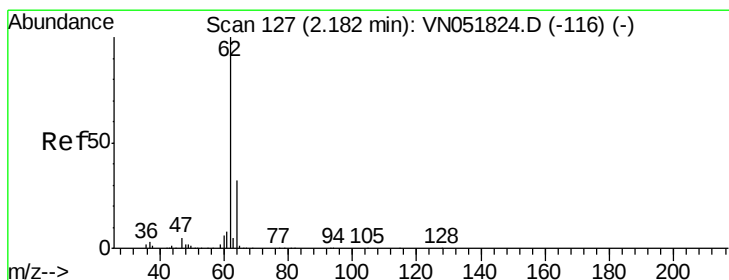
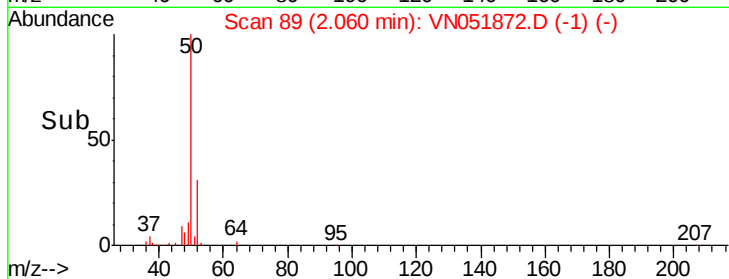
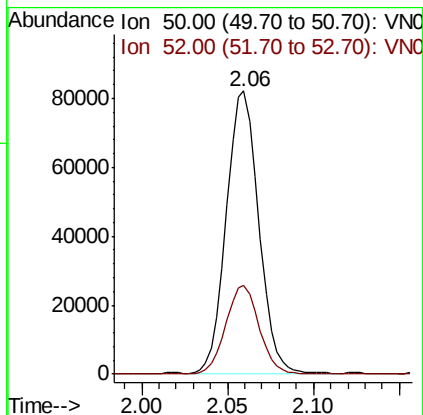
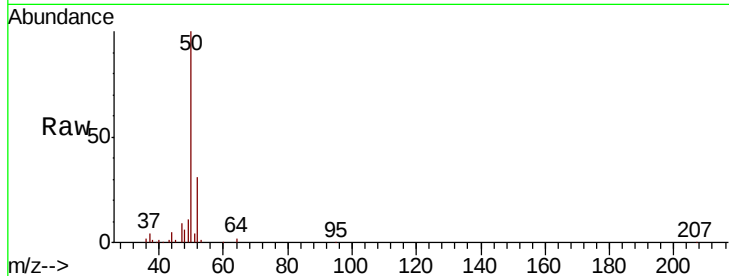
ClientSampleId :

Tot Ion: 50 Resp: 108263

Ion Ratio Lower Upper

50 100

52 31.4 27.2 40.8



#4

Vinyl Chloride

Concen: 18.994 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051872.D

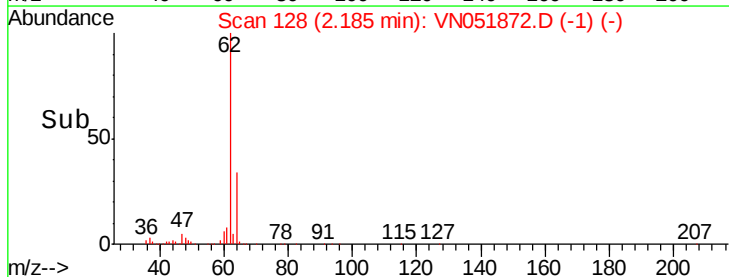
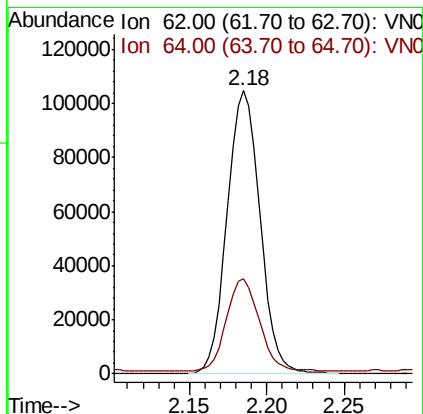
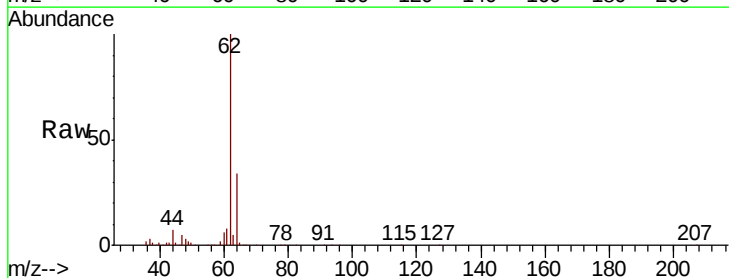
Acq: 15 Oct 2018 14:22

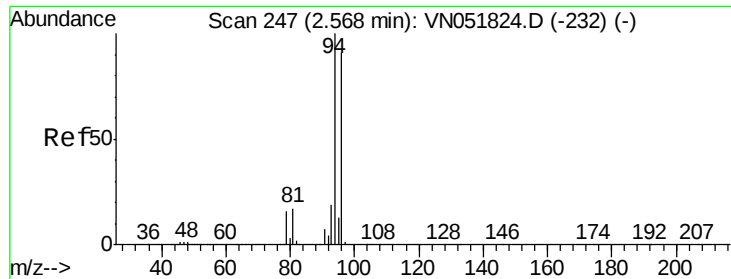
Tgt Ion: 62 Resp: 154694

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 11.153 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

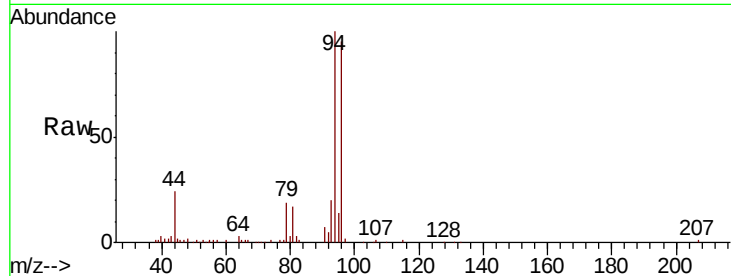
ClientSampled :

Tot Ion: 94 Resp: 80259

Ion Ratio Lower Upper

94 100

96 95.7 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

50000

40000

30000

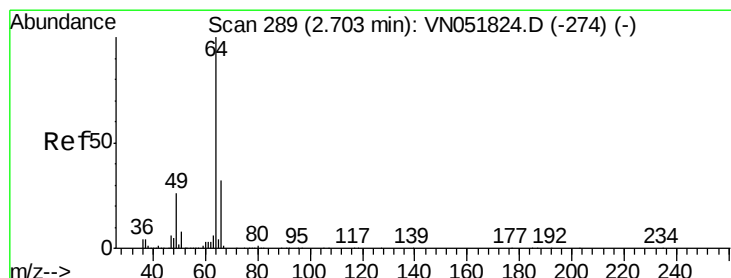
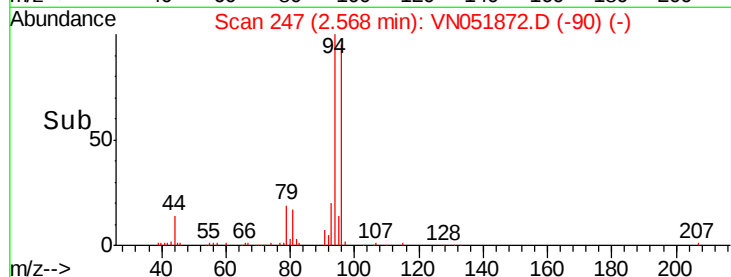
20000

10000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 19.794 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051872.D

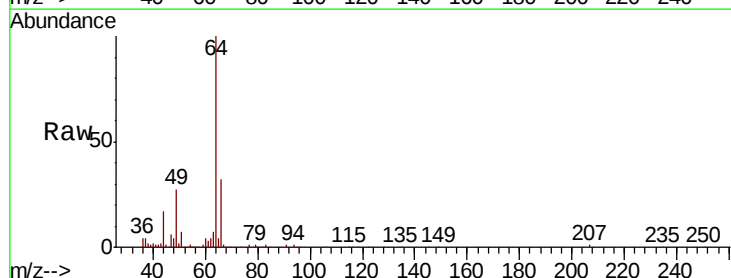
Acq: 15 Oct 2018 14:22

Tgt Ion: 64 Resp: 116183

Ion Ratio Lower Upper

64 100

66 32.2 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.70

60000

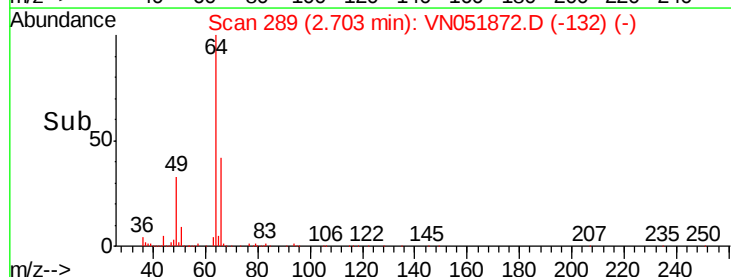
40000

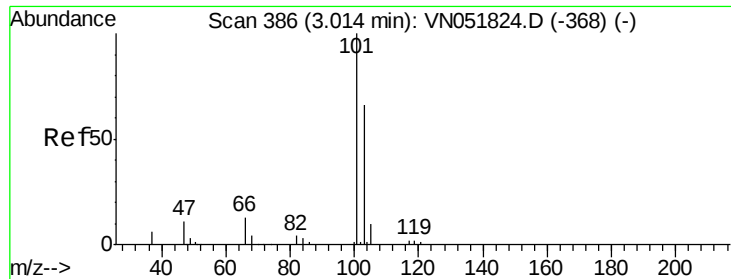
20000

0

Time-->

2.65 2.70 2.75 2.80



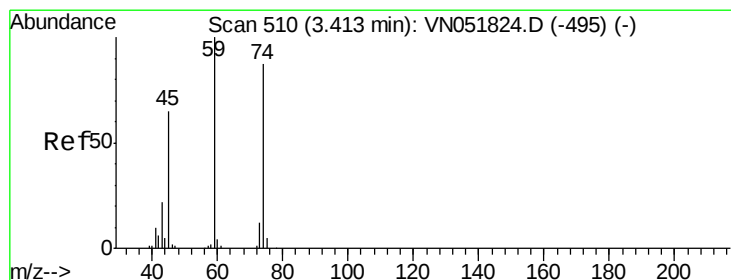
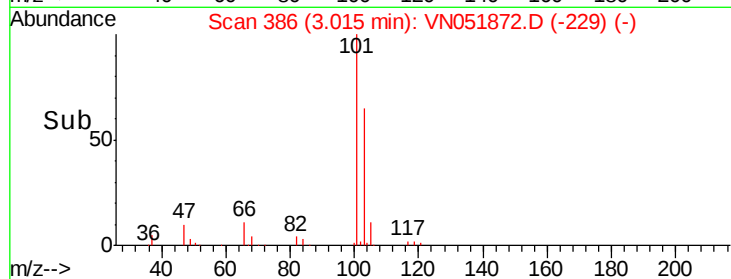
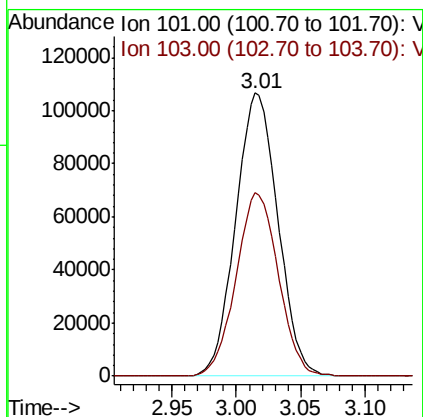
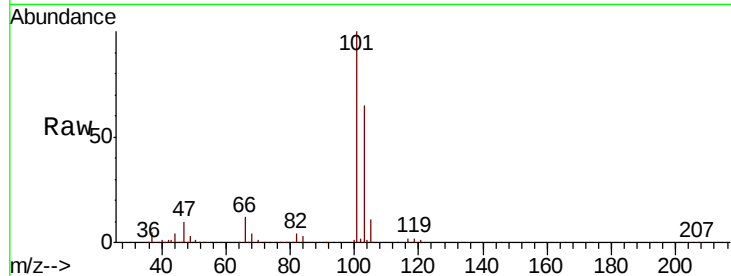


#7

Trichlorofluoromethane
 Concen: 20.913 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampled :

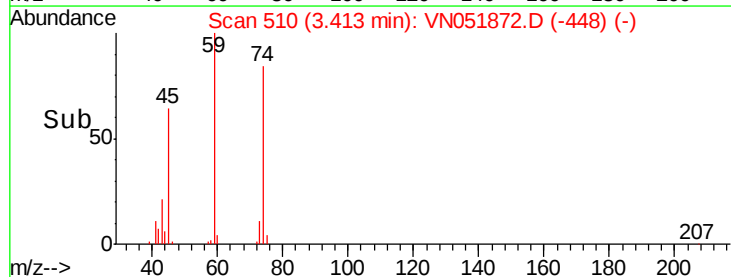
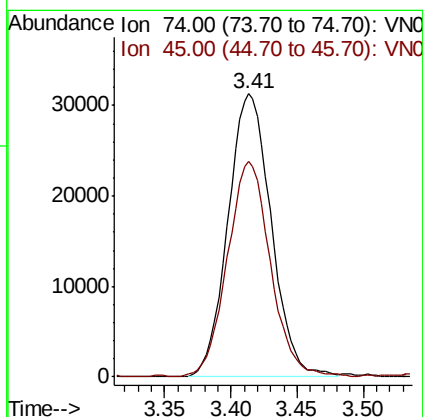
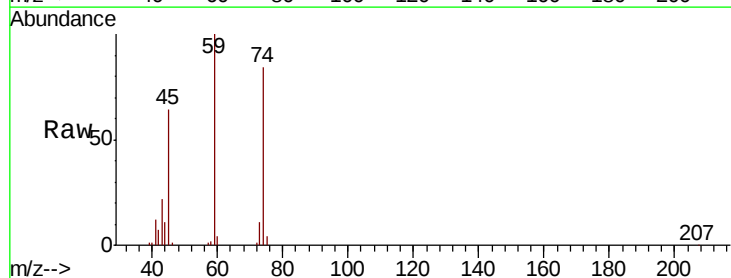
Tot Ion:101 Resp: 242838
 Ion Ratio Lower Upper
 101 100
 103 64.5 54.8 82.2

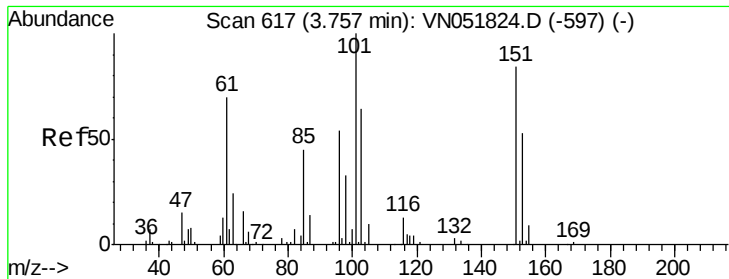


#8

Diethyl Ether
 Concen: 20.963 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion: 74 Resp: 70861
 Ion Ratio Lower Upper
 74 100
 45 75.8 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.341 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

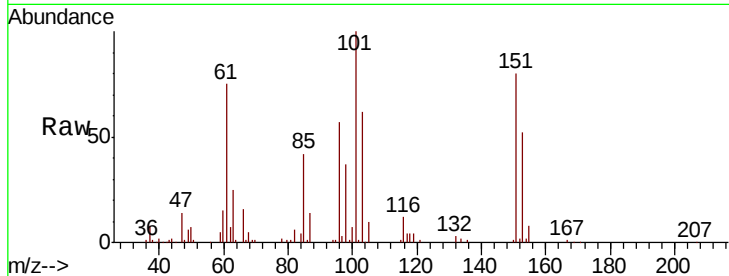
Tot Ion:101 Resp: 141122

Ion Ratio Lower Upper

101 100

85 43.1 0.0 46.0

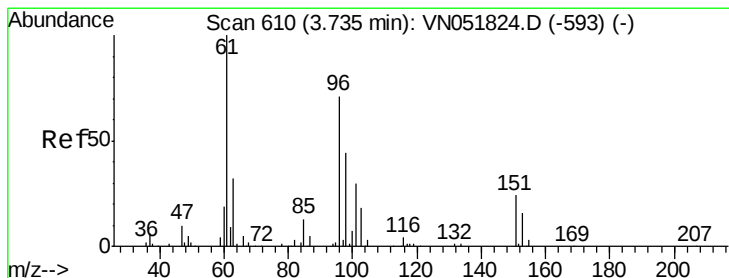
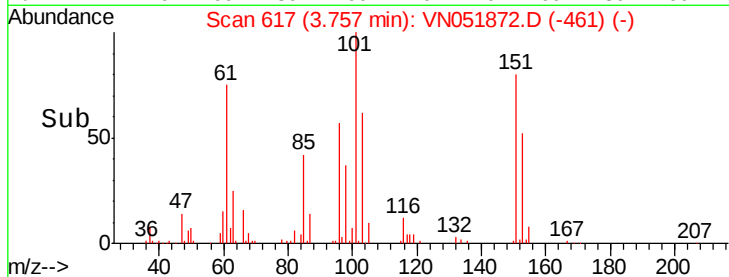
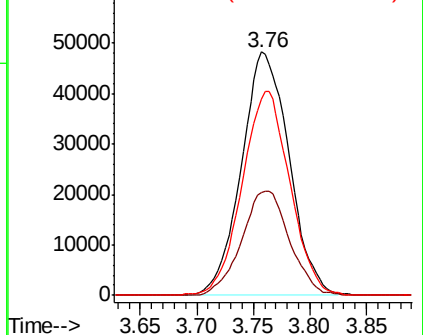
151 84.0 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.764 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

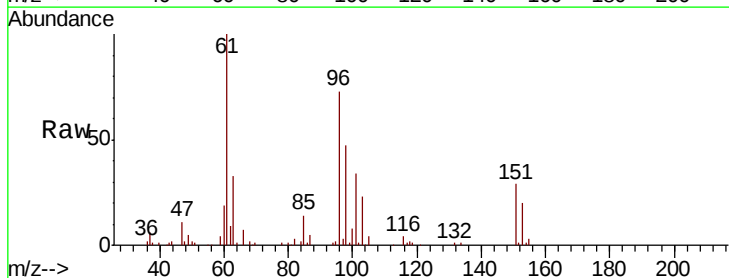
Tgt Ion: 96 Resp: 126981

Ion Ratio Lower Upper

96 100

61 136.9 133.0 199.6

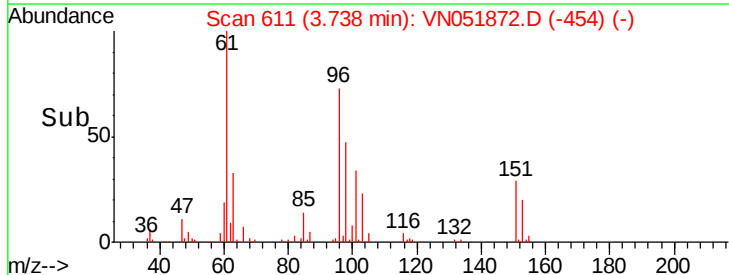
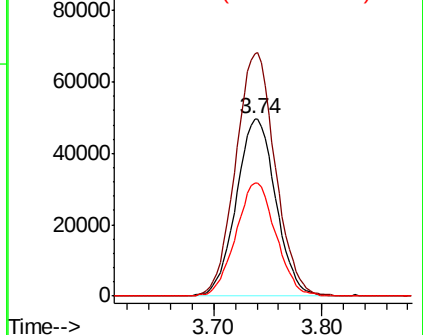
98 64.1 52.6 78.8

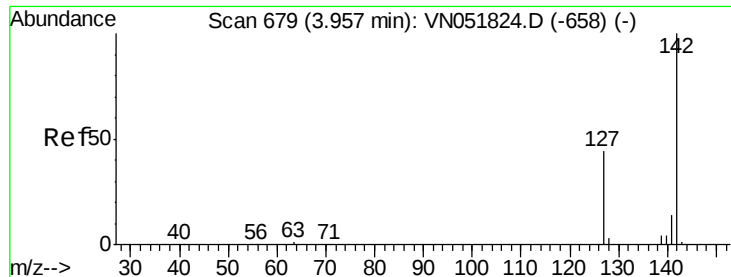


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

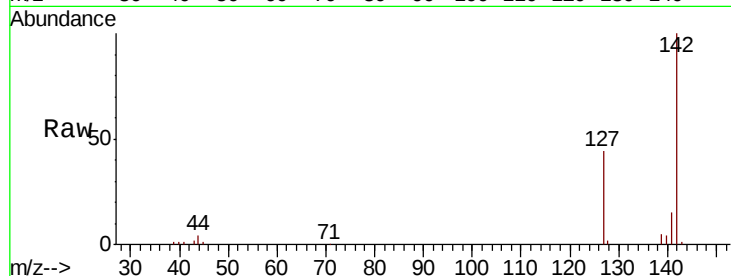




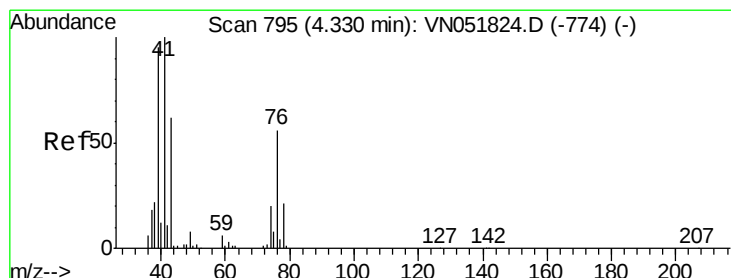
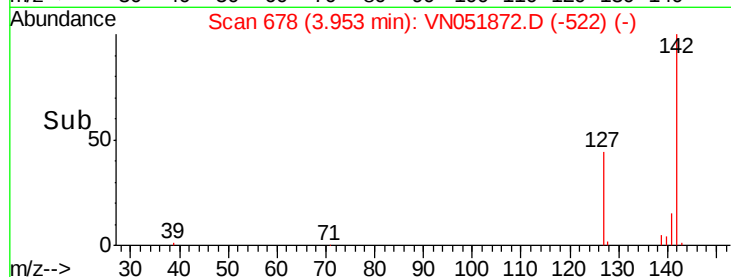
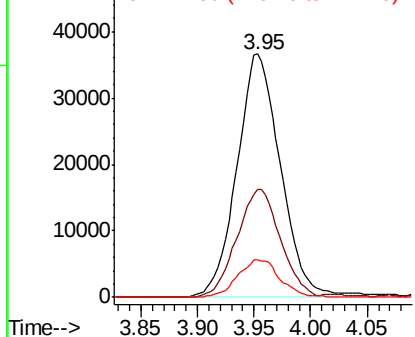
#11
Methyl Iodide
Concen: 11.013 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 97905
Ion Ratio Lower Upper
142 100
127 43.9 19.7 59.0
141 15.3 6.3 18.9

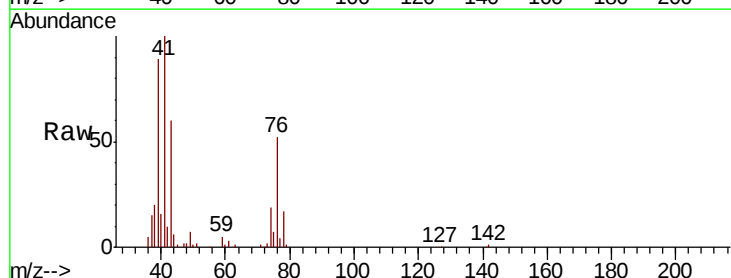


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

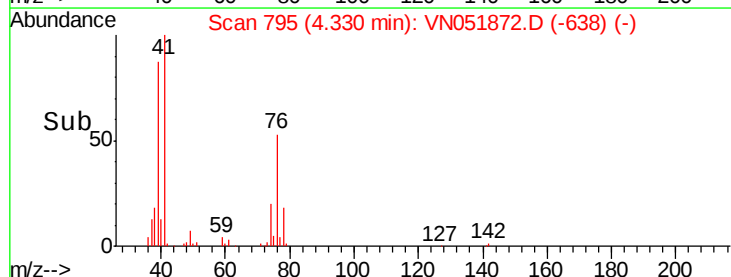
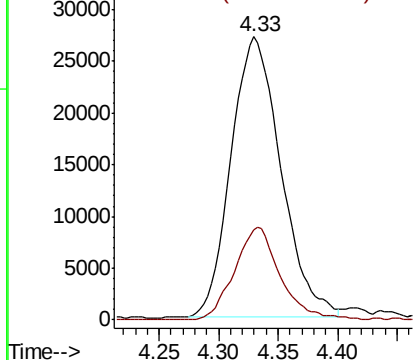


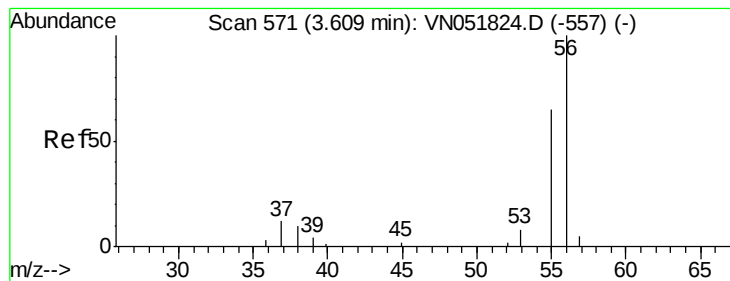
#12
Methyl Acetate
Concen: 20.622 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 78314
Ion Ratio Lower Upper
43 100
74 31.9 21.8 32.6



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





#13

Acrolein

Concen: 31.610 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

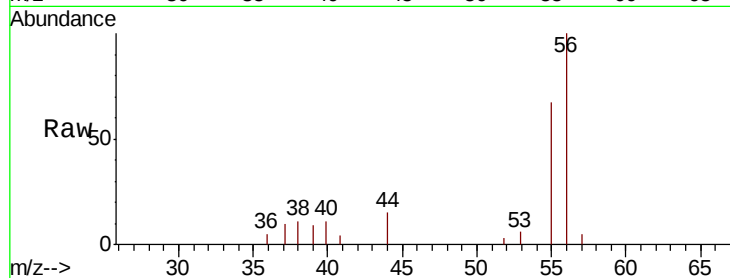
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7909

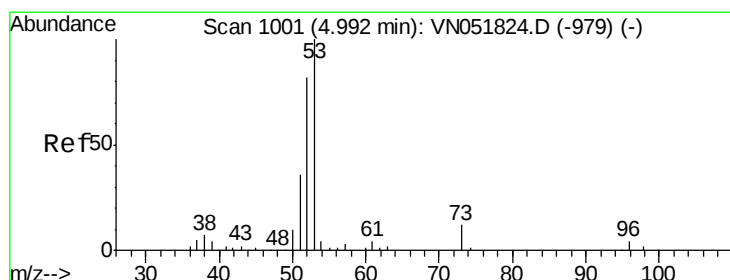
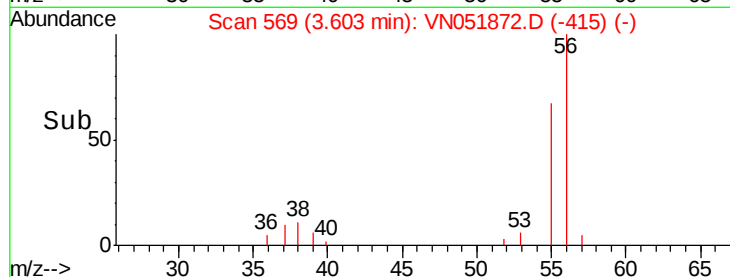
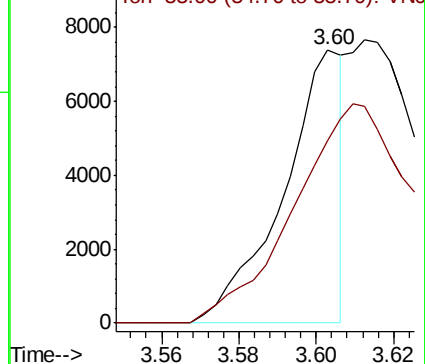
Ion Ratio Lower Upper

56 100

55 183.6 64.0 96.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.294 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

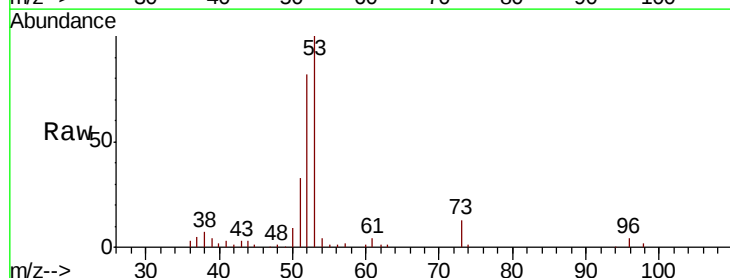
Tgt Ion: 53 Resp: 163435

Ion Ratio Lower Upper

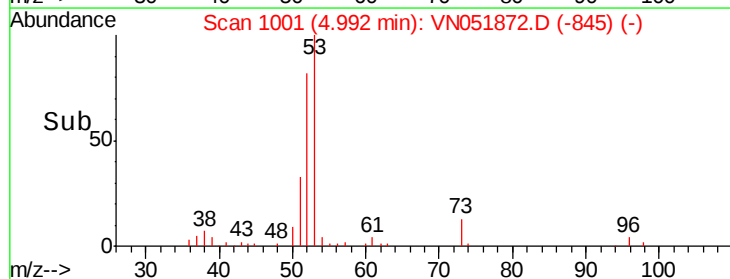
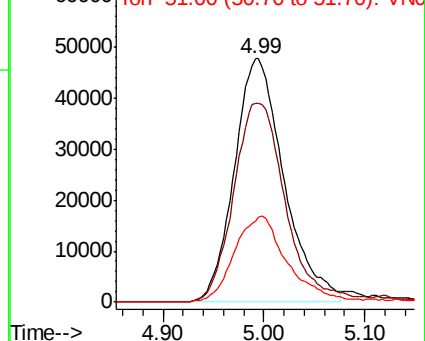
53 100

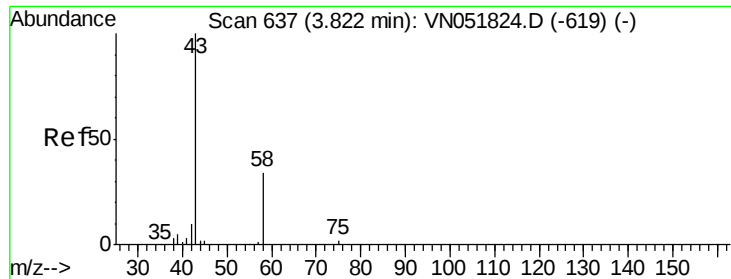
52 84.7 18.3 54.8#

51 37.5 19.7 59.1



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 103.496 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

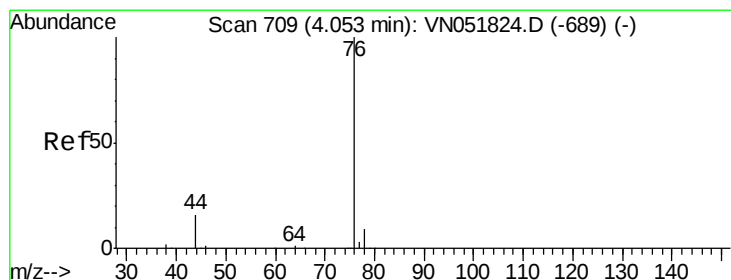
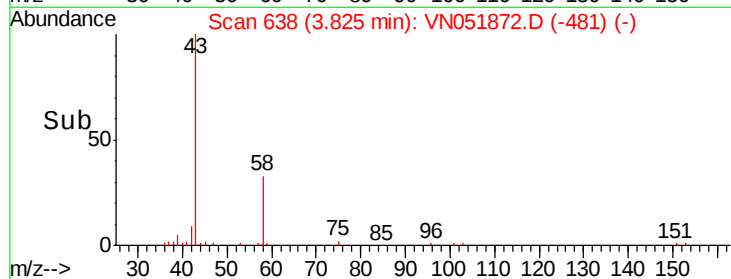
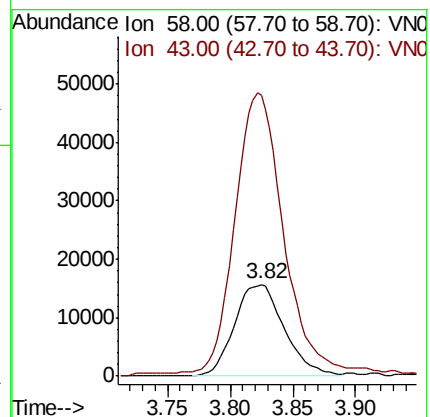
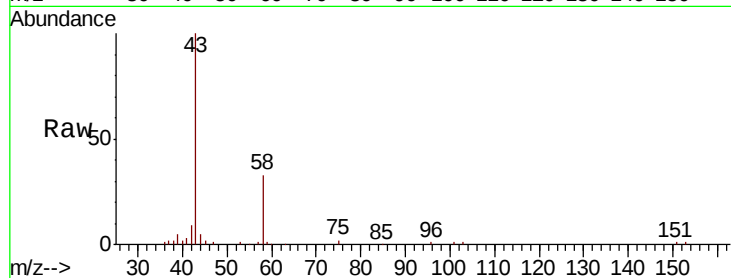
ClientSampled :

Tot Ion: 58 Resp: 43423

Ion Ratio Lower Upper

58 100

43 302.3 232.2 348.2



#16

Carbon Disulfide

Concen: 18.769 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051872.D

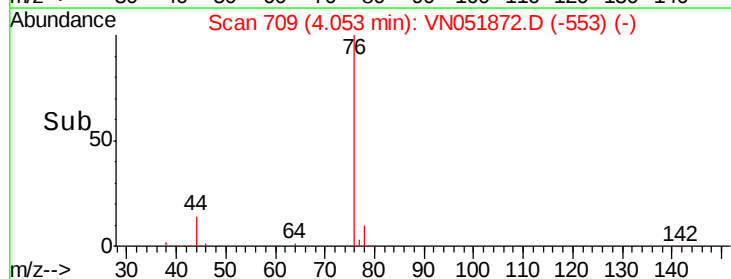
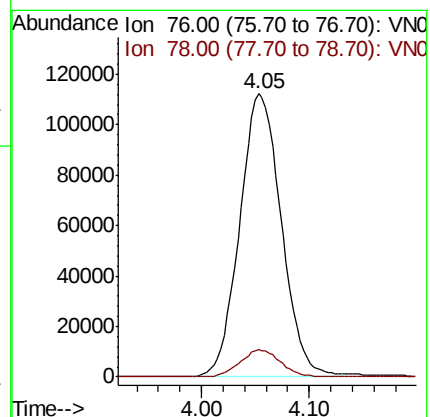
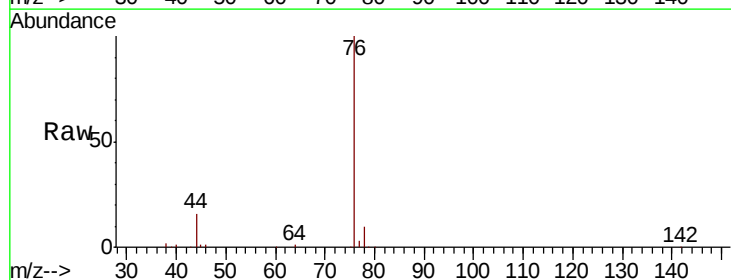
Acq: 15 Oct 2018 14:22

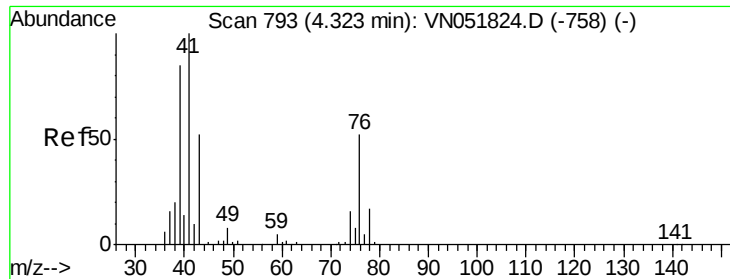
Tgt Ion: 76 Resp: 301450

Ion Ratio Lower Upper

76 100

78 9.6 6.7 10.1

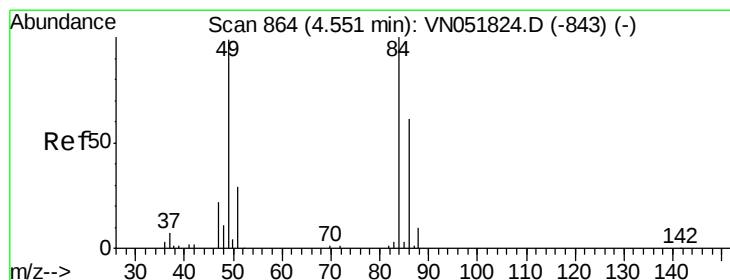
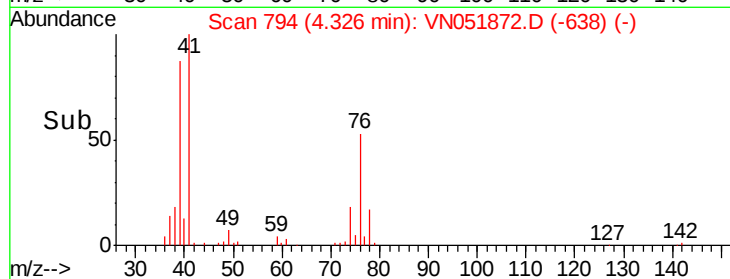
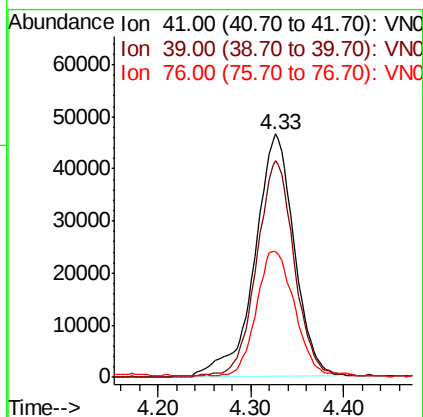
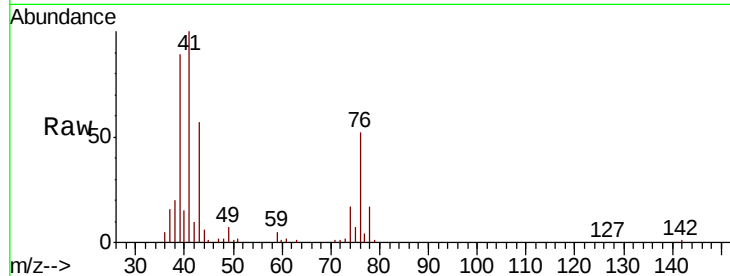




#17
Allvl chloride
Concen: 18.966 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

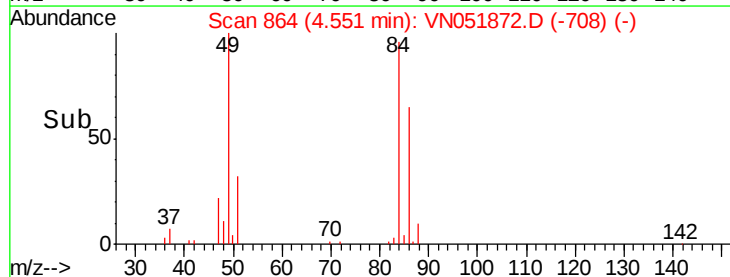
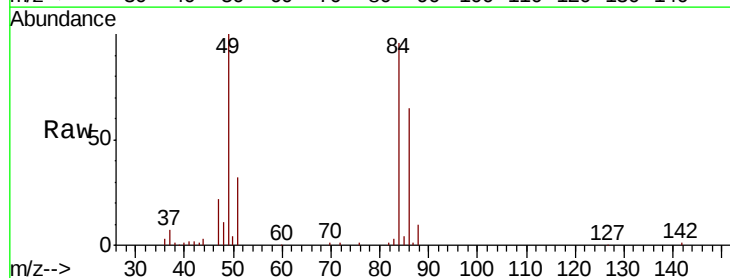
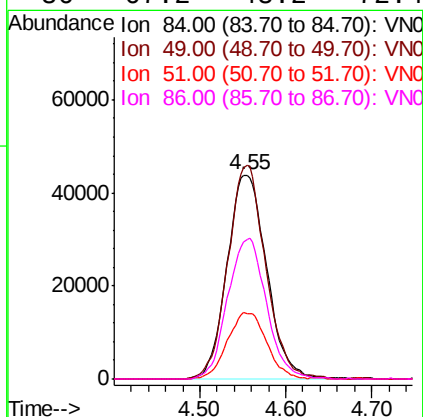
Instrument :
MSVOA_N
ClientSampleId :

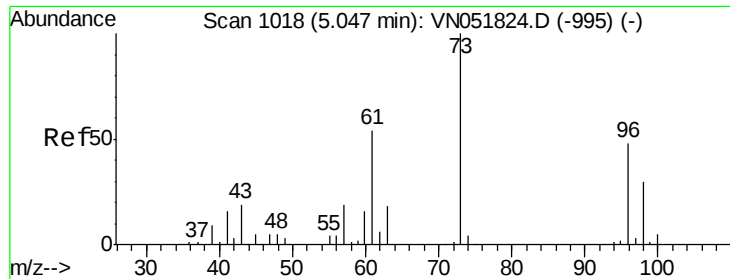
Tot Ion: 41 Resp: 137705
Ion Ratio Lower Upper
41 100
39 89.3 32.6 97.8
76 51.2 20.2 60.5



#18
Methylene Chloride
Concen: 20.513 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 84 Resp: 140263
Ion Ratio Lower Upper
84 100
49 103.7 91.6 137.4
51 32.7 29.8 44.6
86 67.2 48.2 72.4

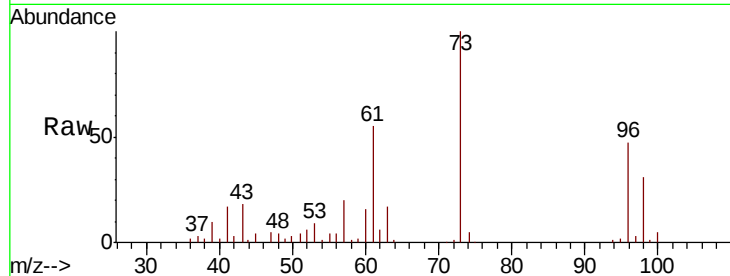




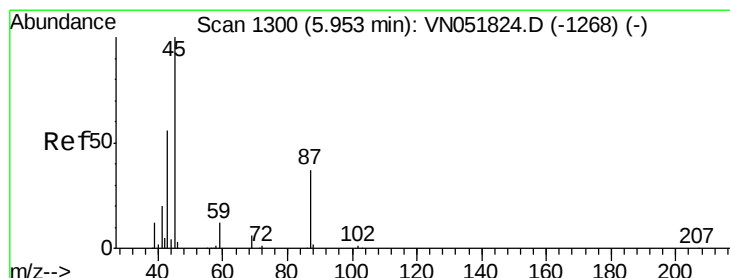
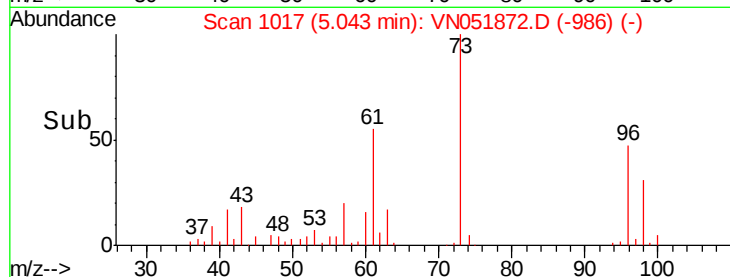
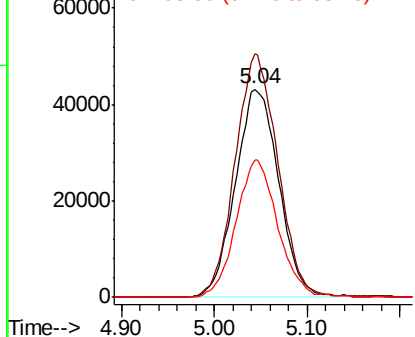
#19
trans-1,2-Dichloroethene
Concen: 20.096 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 140331
Ion Ratio Lower Upper
96 100
61 117.1 112.3 168.5
98 66.0 47.1 70.7

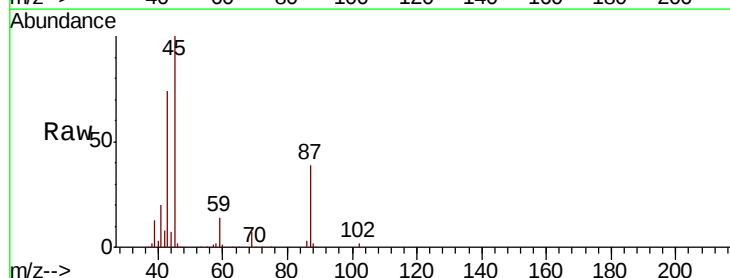


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

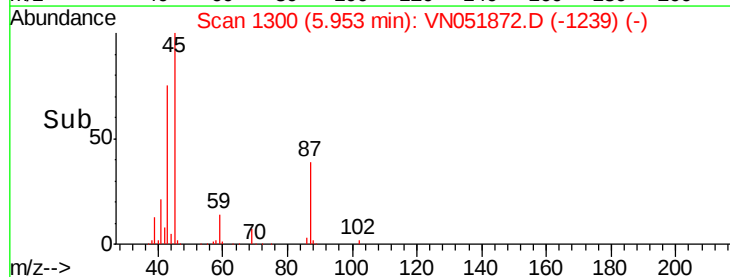
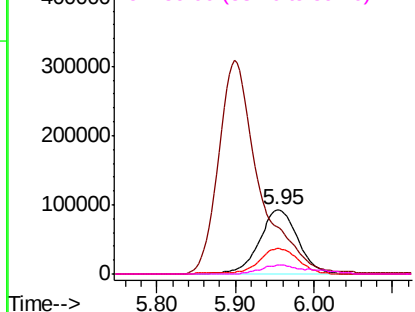


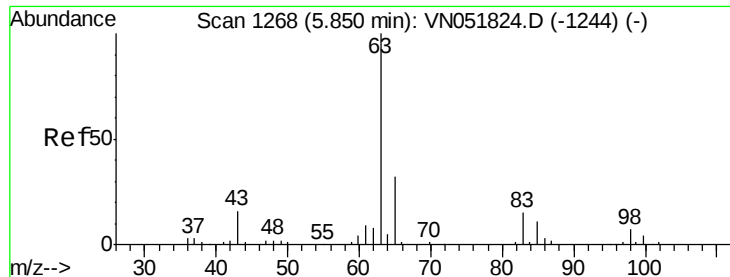
#20
Diisopropyl ether
Concen: 19.679 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 45 Resp: 318206
Ion Ratio Lower Upper
45 100
43 72.6 62.1 93.1
87 38.7 19.9 29.9#
59 13.5 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: 20.122 ug/l

RT: 5.85 min Scan# 1269

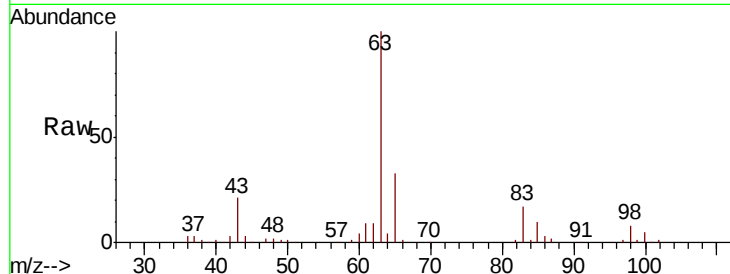
Delta R.T. 0.00 min

Lab File: VN051872.D

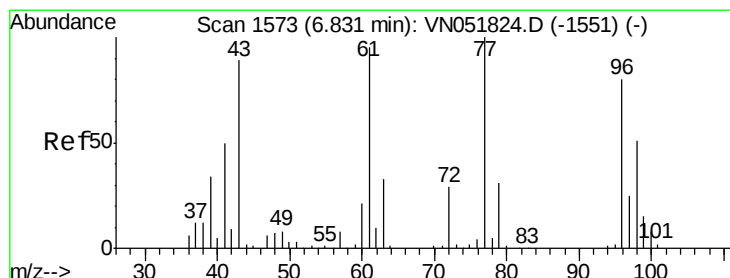
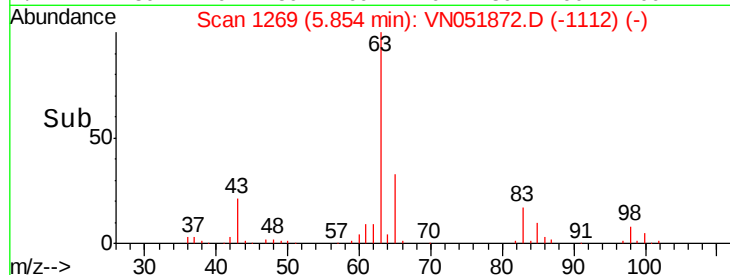
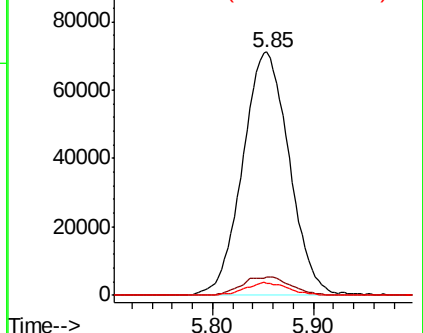
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	63	Resp:	227357
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: 19.802 ug/l

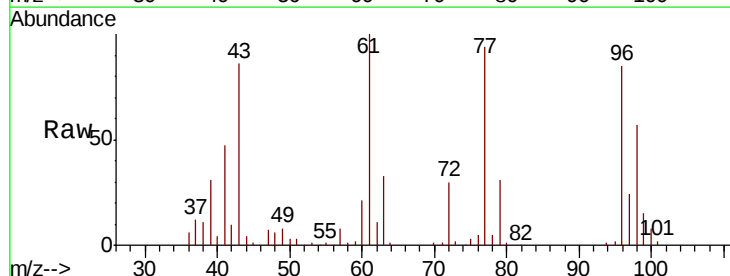
RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

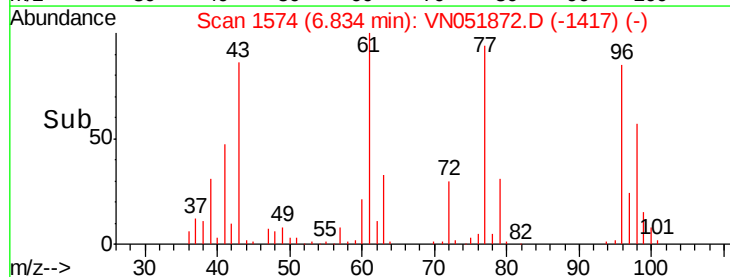
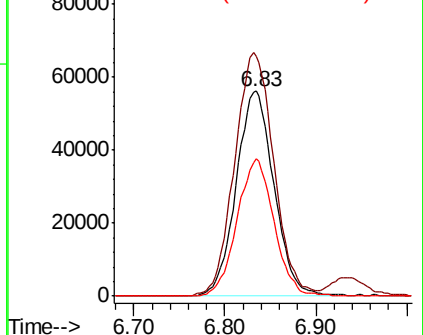
Lab File: VN051872.D

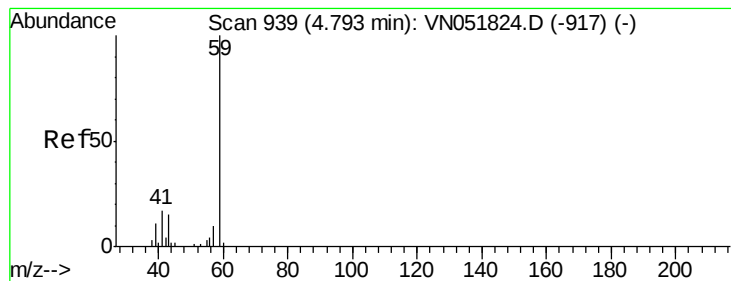
Acq: 15 Oct 2018 14:22

Tgt Ion:	96	Resp:	162416
Ion	Ratio	Lower	Upper
96	100		
61	123.0	124.5	186.7#
98	65.3	51.9	77.9



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





#23

tert-Butyl Alcohol

Concen: 93.720 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

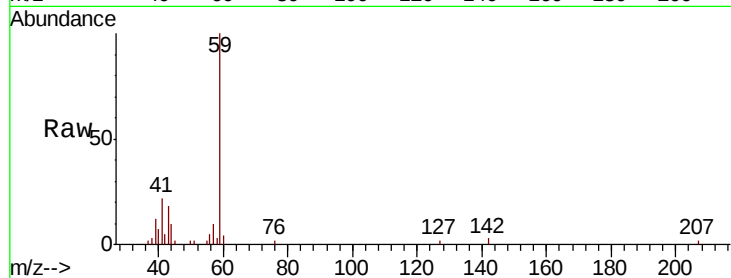
ClientSampled :

Tot Ion: 59 Resp: 41893

Ion Ratio Lower Upper

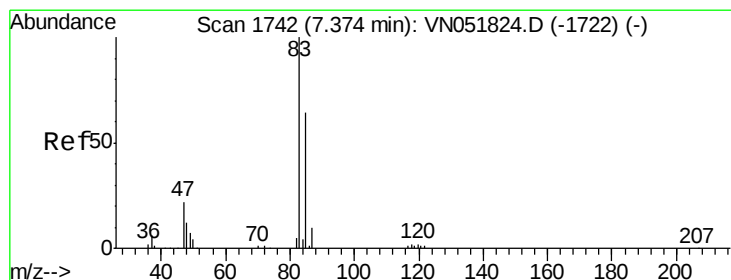
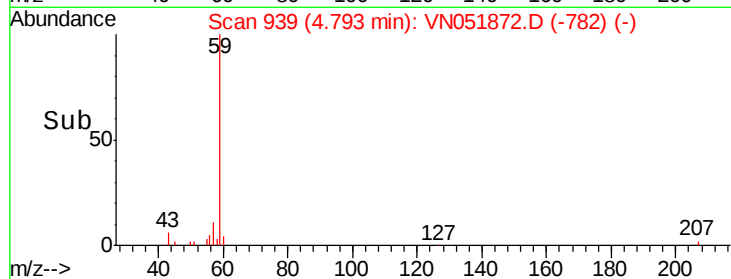
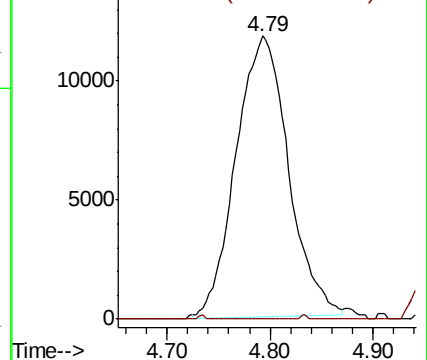
59 100

52 0.2 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#25

Chloroform

Concen: 20.366 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051872.D

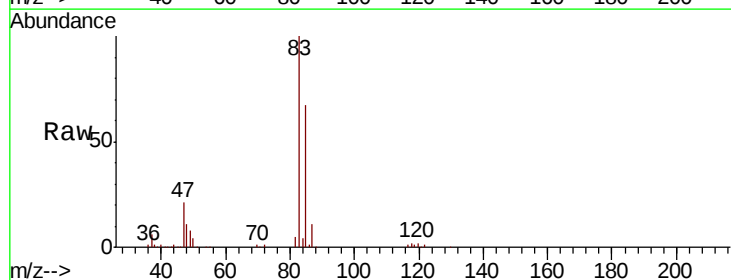
Acq: 15 Oct 2018 14:22

Tgt Ion: 83 Resp: 272995

Ion Ratio Lower Upper

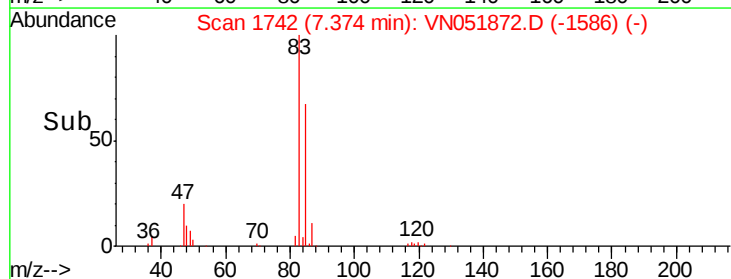
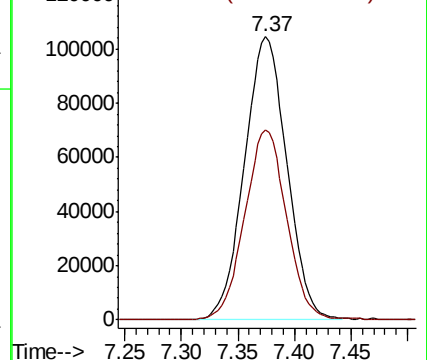
83 100

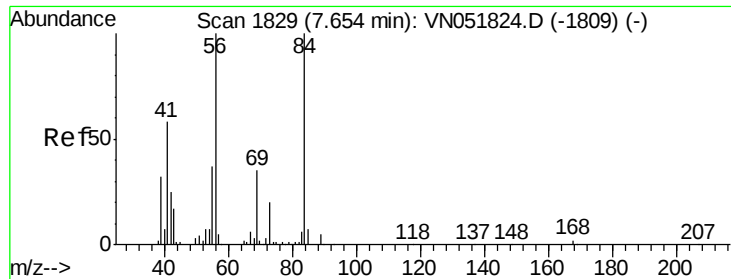
85 67.0 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

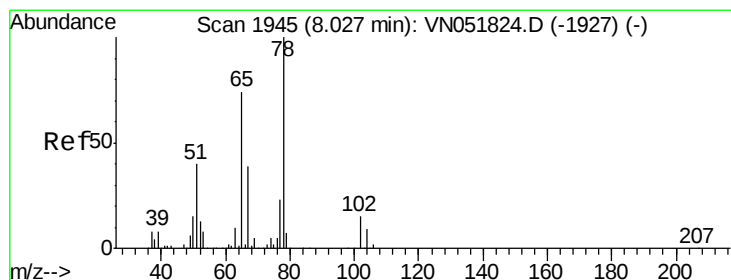
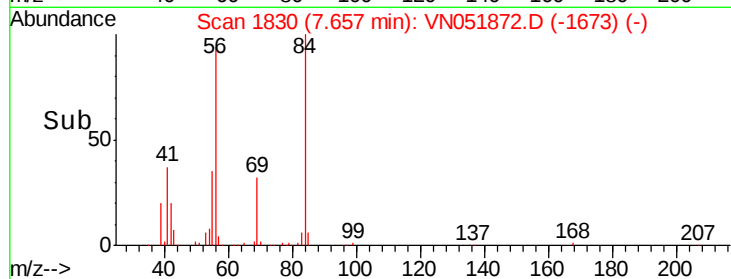
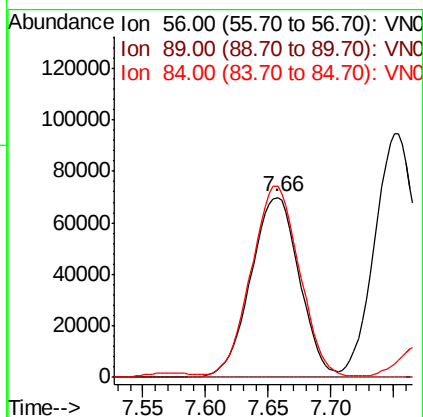
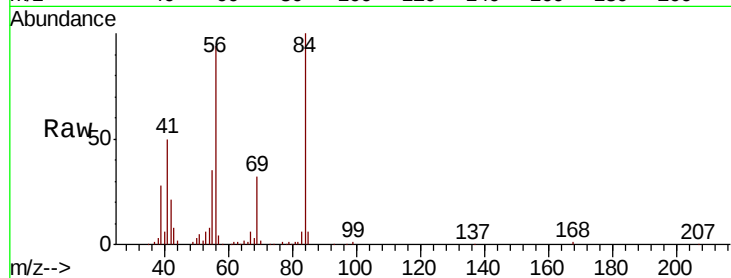




#26
Cyclohexane
Concen: 19.706 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

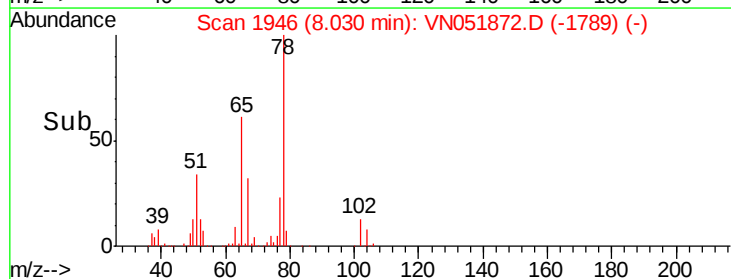
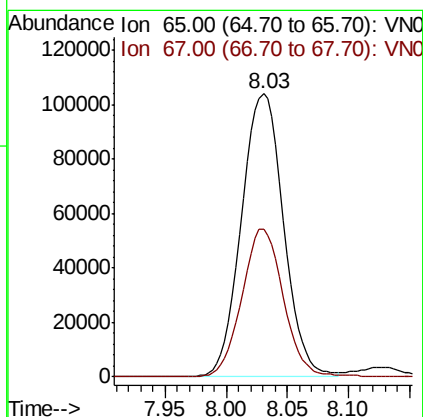
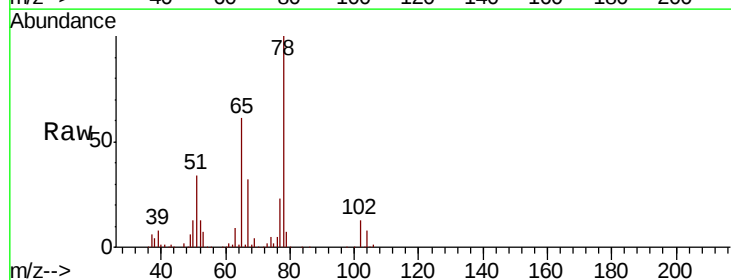
Instrument :
MSVOA_N
ClientSampleId :

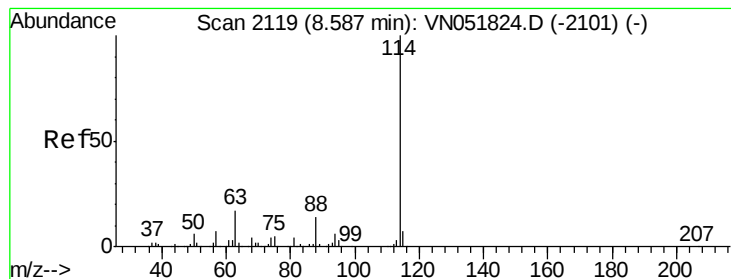
Tot Ion: 56 Resp: 188759
Ion Ratio Lower Upper
56 100
89 0.0 1.5 2.3#
84 104.2 64.2 96.4#



#27
1,2-Dichloroethane-d4
Concen: 19.706 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 65 Resp: 248577
Ion Ratio Lower Upper
65 100
67 51.1 41.8 62.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

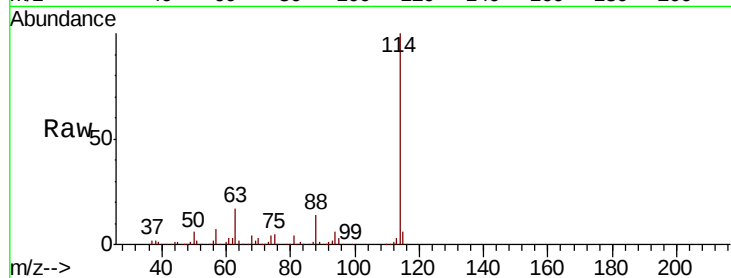
Tot Ion:114 Resp: 751516

Ion Ratio Lower Upper

114 100

63 16.5 16.2 24.2

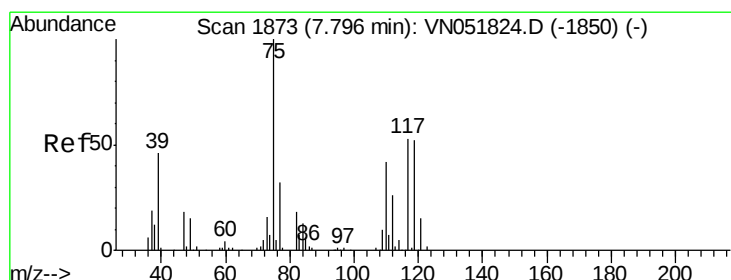
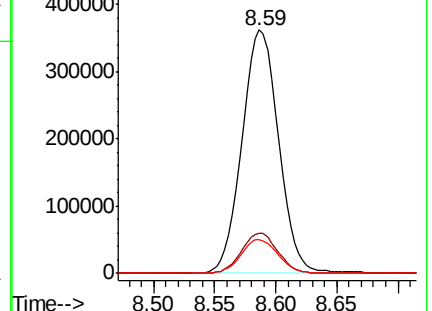
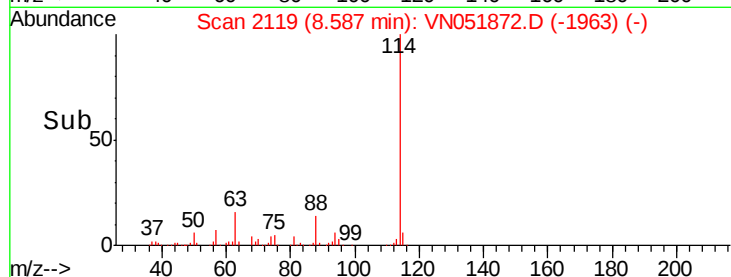
88 14.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051872.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051872.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051872.D (-1963) (-)



#29

1,1-Dichloropropene

Concen: 19.469 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

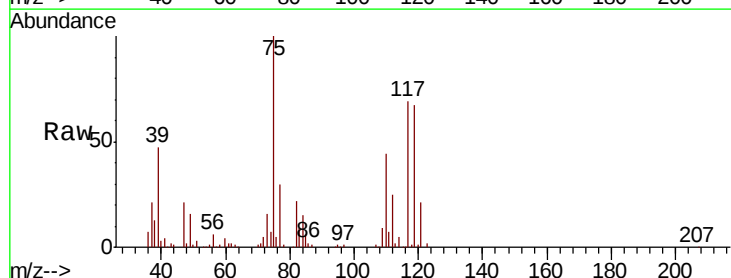
Tgt Ion: 75 Resp: 188599

Ion Ratio Lower Upper

75 100

110 41.7 0.0 70.8

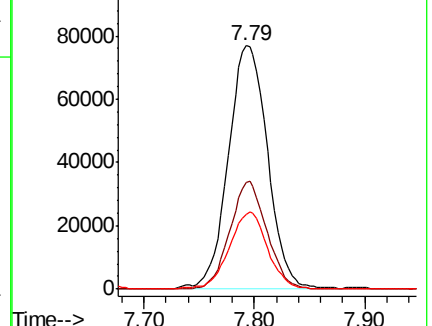
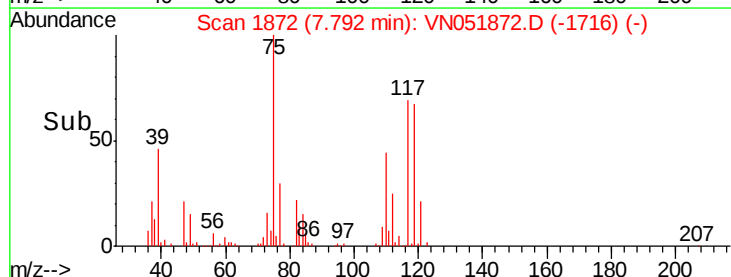
77 31.1 0.0 61.6

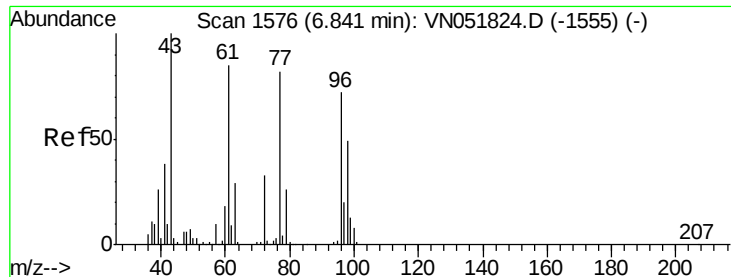


Abundance Ion 75.00 (74.70 to 75.70): VN051872.D (-1716) (-)

Ion 110.00 (109.70 to 110.70): VN051872.D (-1716) (-)

Ion 77.00 (76.70 to 77.70): VN051872.D (-1716) (-)

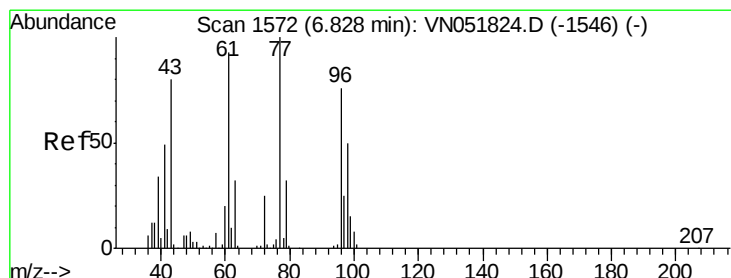
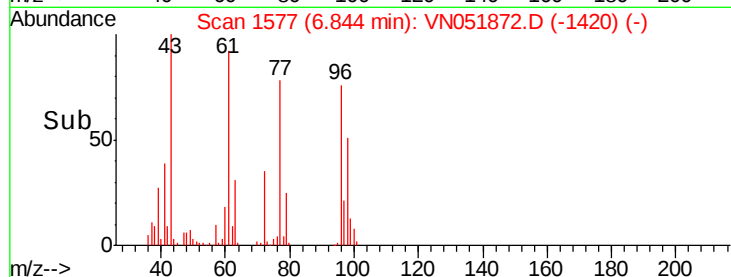
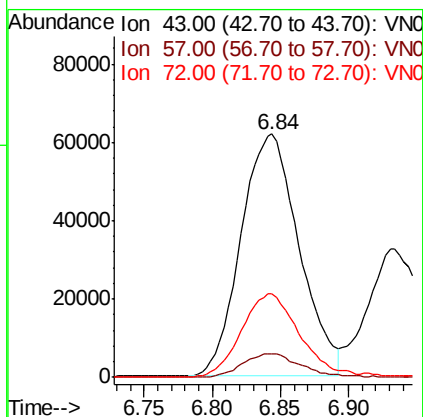
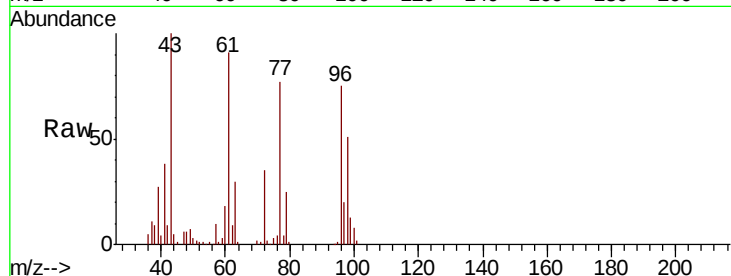




#30
2-Butanone
Concen: 90.290 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

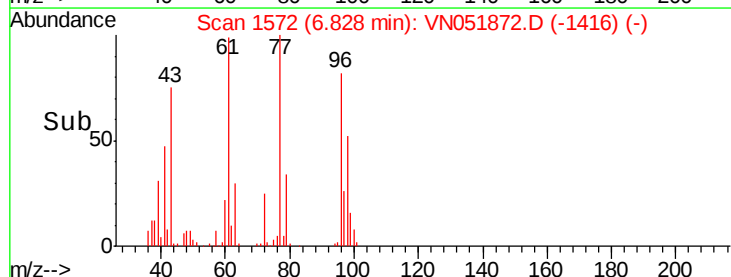
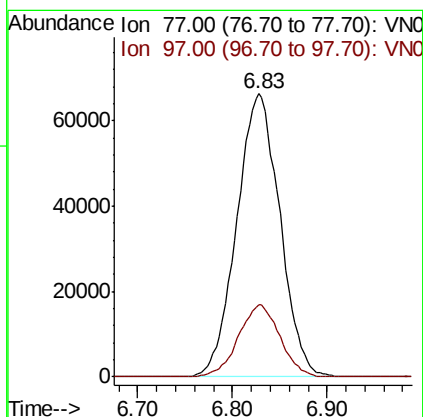
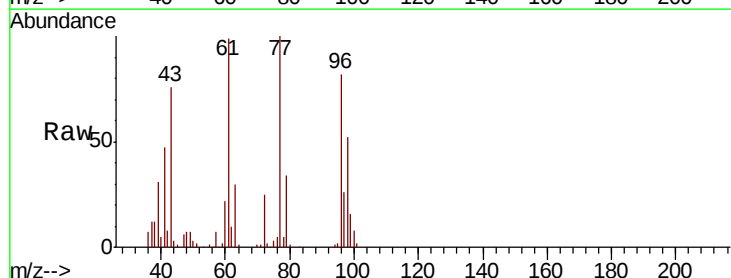
Instrument :
MSVOA_N
ClientSampled :

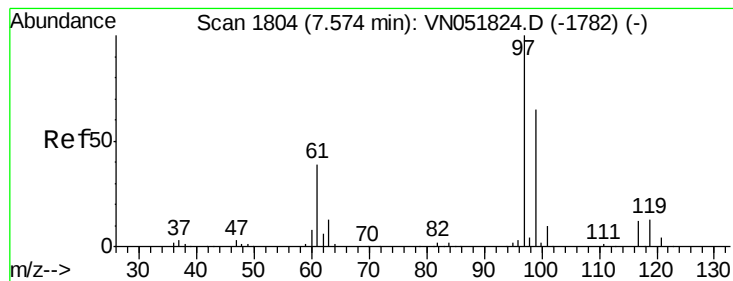
Tot Ion: 43 Resp: 182813
Ion Ratio Lower Upper
43 100
57 9.8 4.5 6.7#
72 34.0 21.5 32.3#



#31
2,2-Dichloropropane
Concen: 18.428 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 77 Resp: 210000
Ion Ratio Lower Upper
77 100
97 24.5 12.0 18.0#





#32

1,1,1-Trichloroethane

Concen: 19.798 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

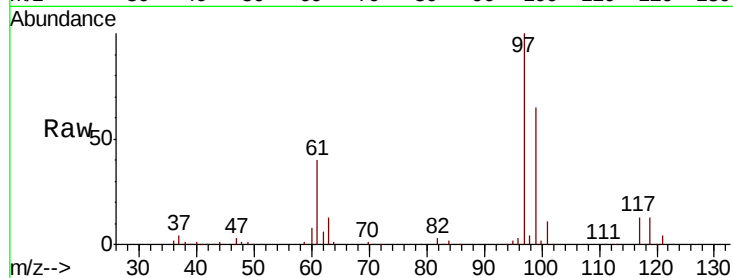
Tot Ion: 97 Resp: 254267

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 38.1 37.4 56.0

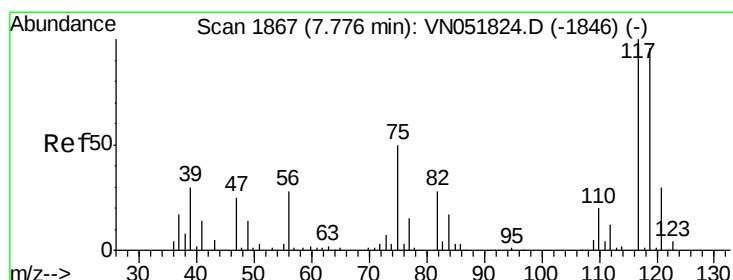
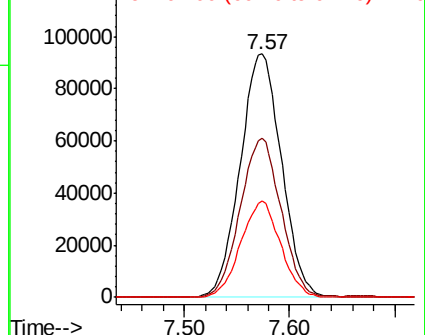
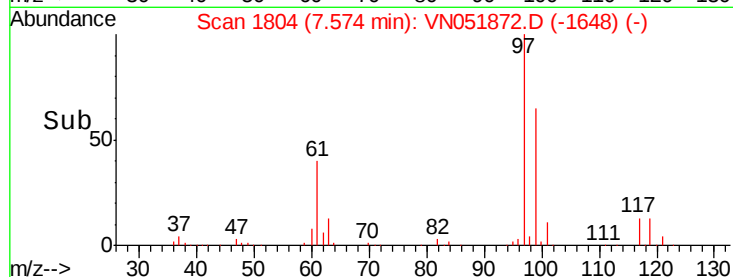


Abundance

Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#33

Carbon Tetrachloride

Concen: 19.288 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

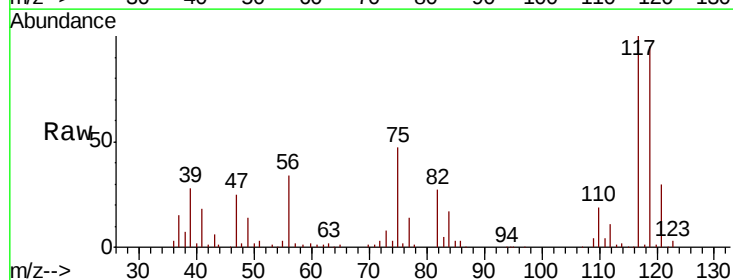
Tgt Ion: 117 Resp: 224123

Ion Ratio Lower Upper

117 100

119 94.7 85.1 127.7

121 30.0 24.2 36.2

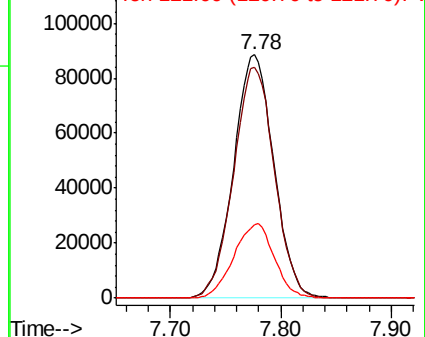
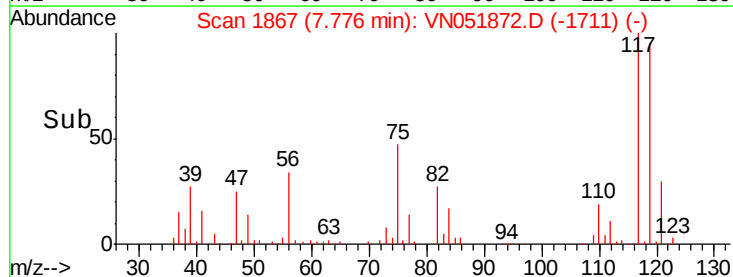


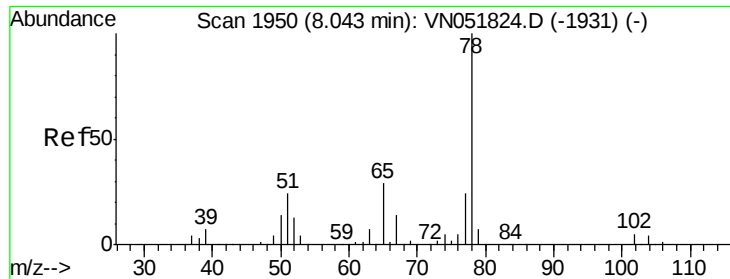
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#34

Benzene

Concen: 20.200 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

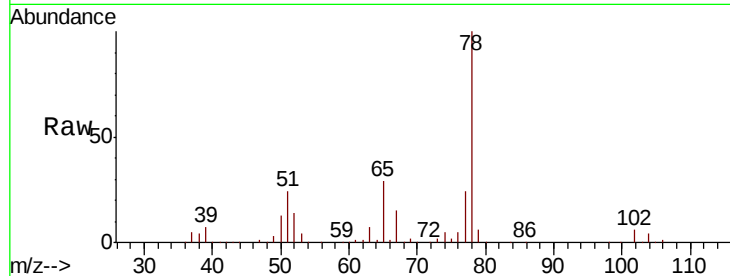
Tot Ion: 78 Resp: 578815

Ion Ratio Lower Upper

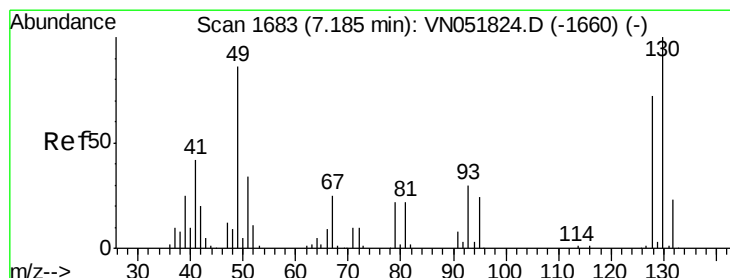
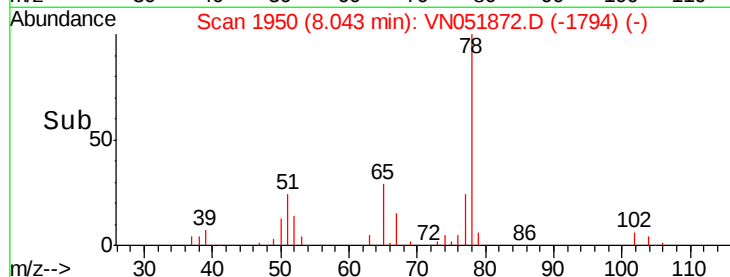
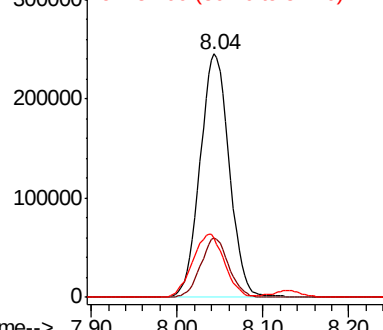
78 100

77 24.4 18.8 28.2

51 24.2 46.2 69.4#



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



#35

Methacrylonitrile

Concen: 17.308 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.01 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Tgt Ion: 41 Resp: 46042

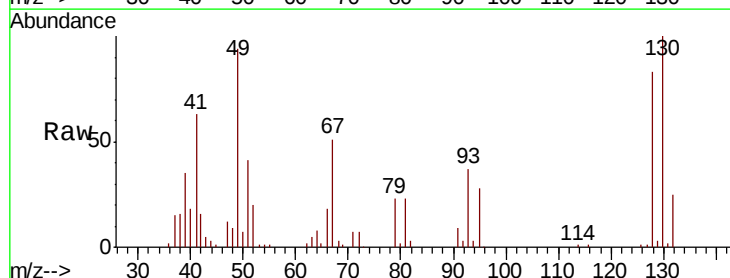
Ion Ratio Lower Upper

41 100

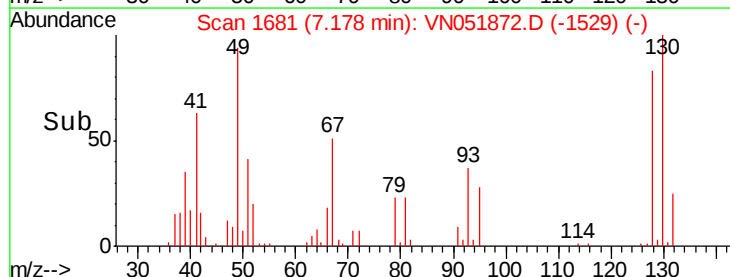
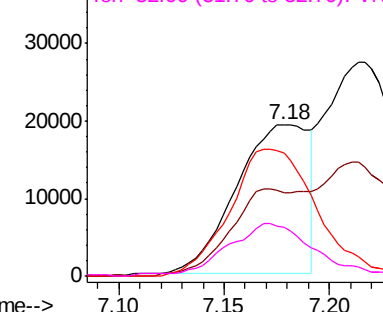
39 54.9 22.6 67.7

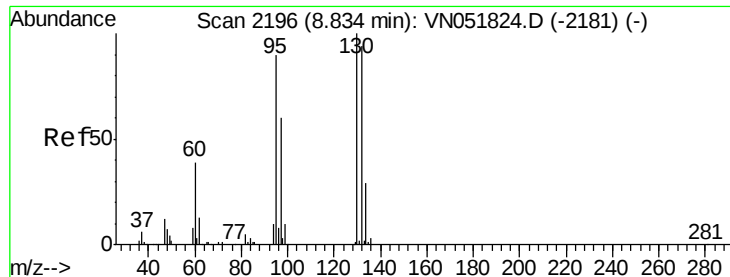
67 82.3 28.9 86.8

52 30.6 11.3 33.9



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





#37

Trichloroethene

Concen: 19.841 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

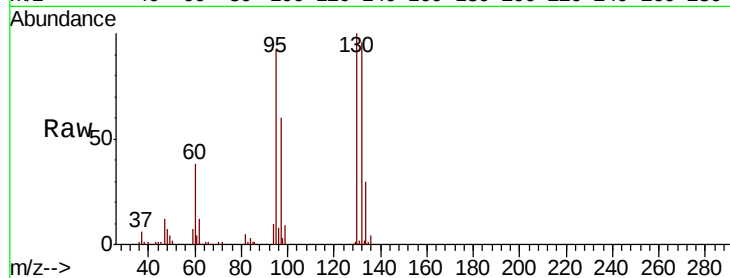
ClientSampleId :

Tot Ion:130 Resp: 176485

Ion Ratio Lower Upper

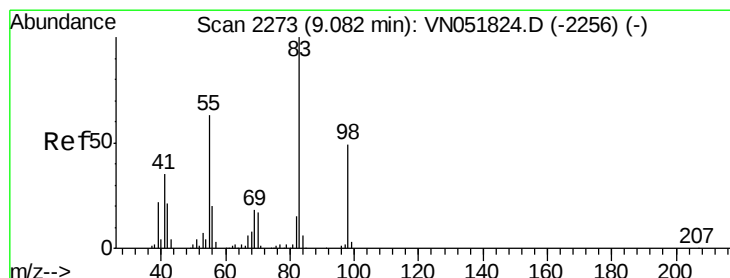
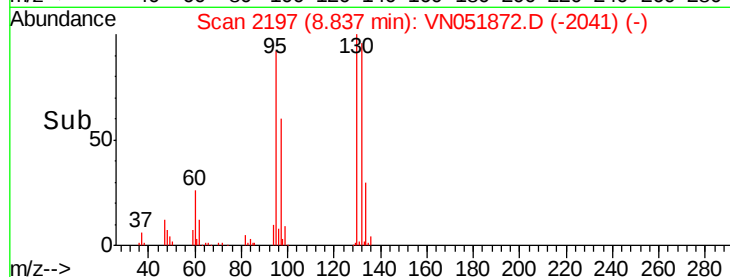
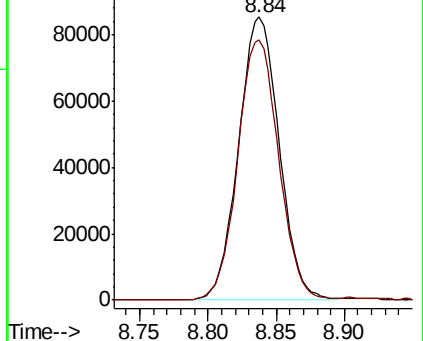
130 100

95 92.2 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 19.213 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

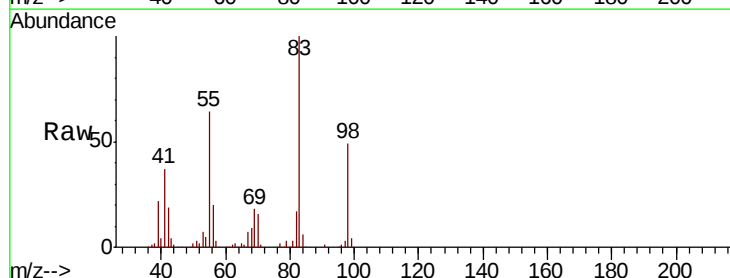
Tgt Ion: 83 Resp: 238717

Ion Ratio Lower Upper

83 100

55 62.2 43.0 129.2

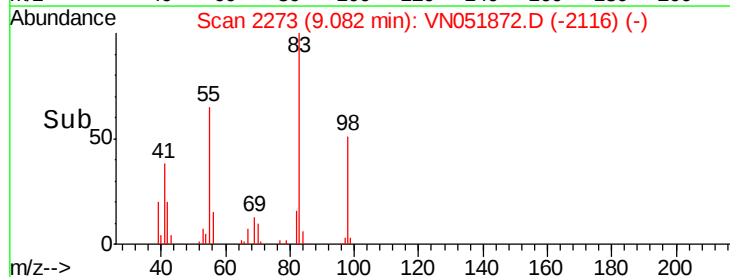
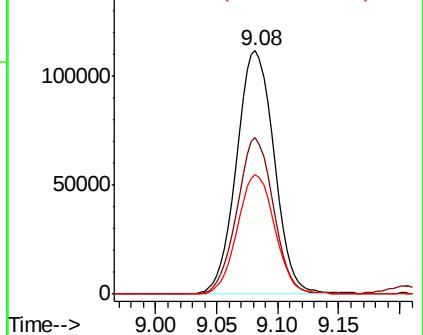
98 48.8 21.3 63.7

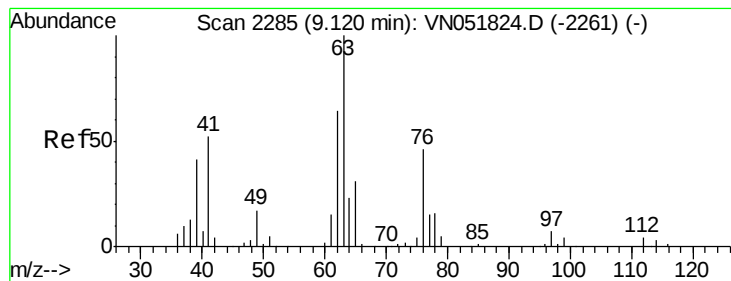


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 19.800 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

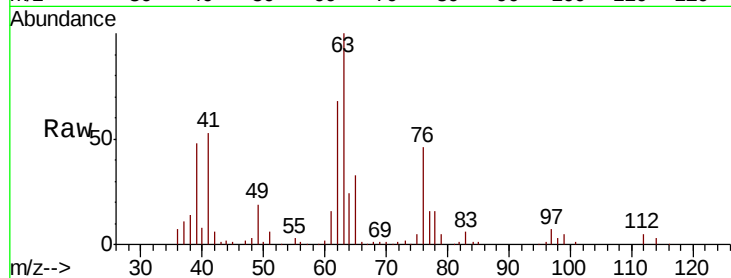
ClientSampleId :

Tot Ion: 63 Resp: 133612

Ion Ratio Lower Upper

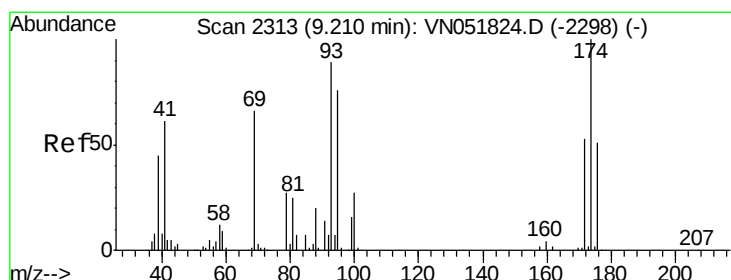
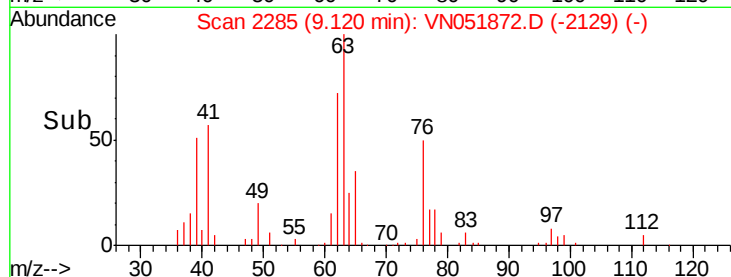
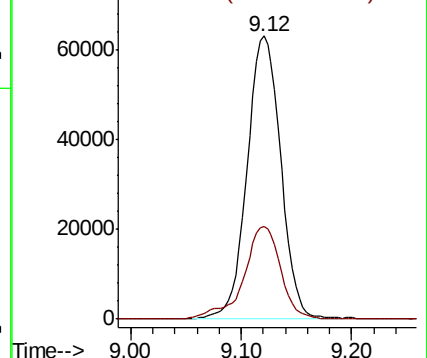
63 100

65 32.6 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.499 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

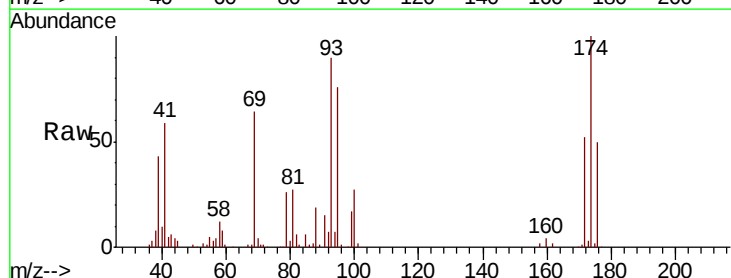
Tgt Ion: 93 Resp: 97656

Ion Ratio Lower Upper

93 100

95 85.6 0.0 162.0

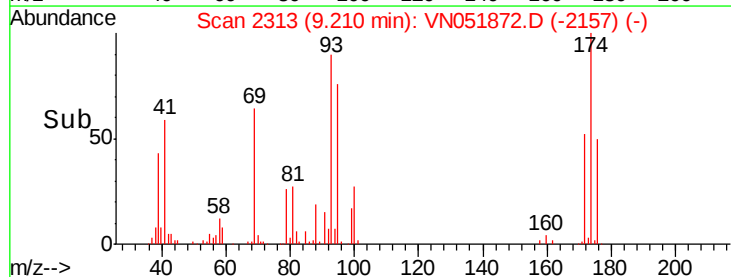
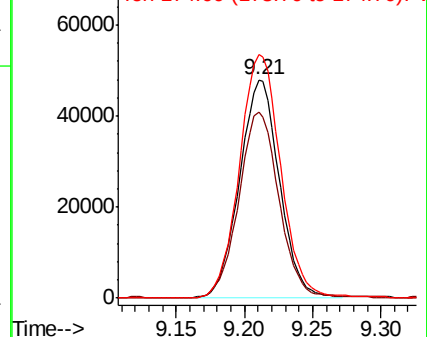
174 115.7 0.0 214.0

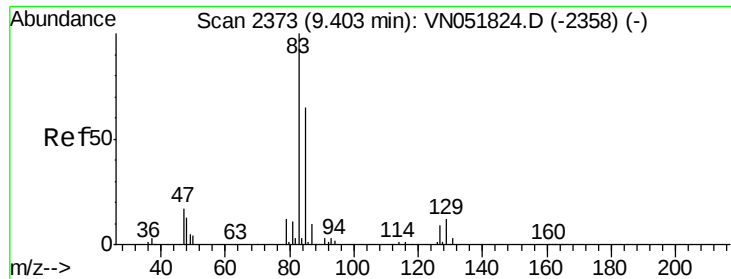


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

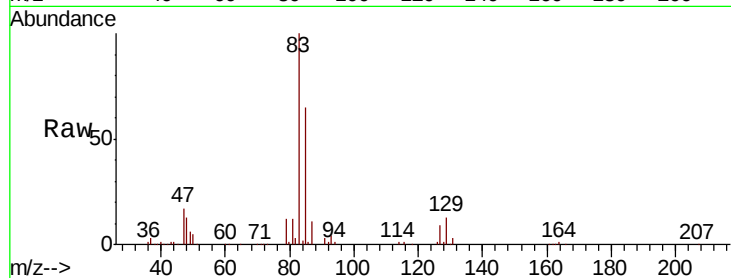




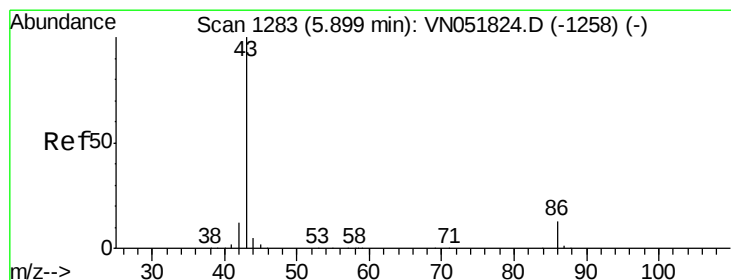
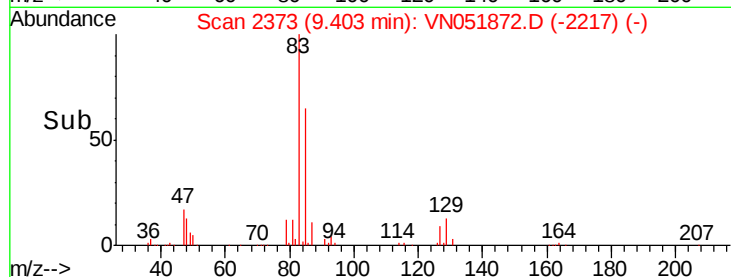
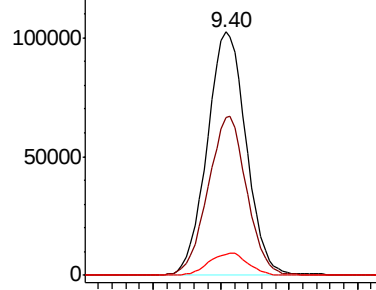
#41
Bromodichloromethane
Concen: 19.640 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 203171
Ion Ratio Lower Upper
83 100
85 65.0 55.7 83.5
127 8.8 8.2 12.4

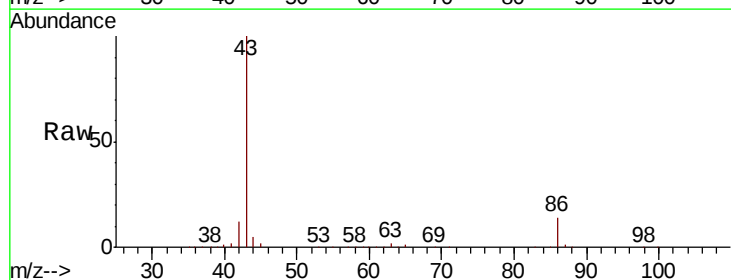


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO

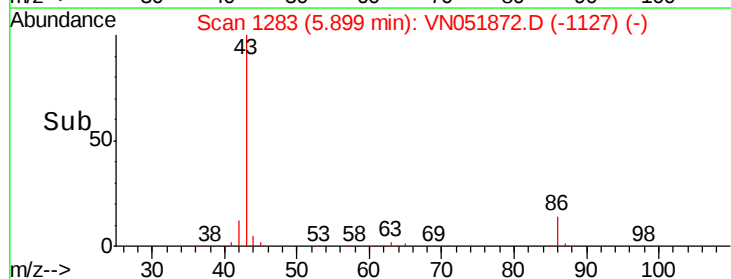
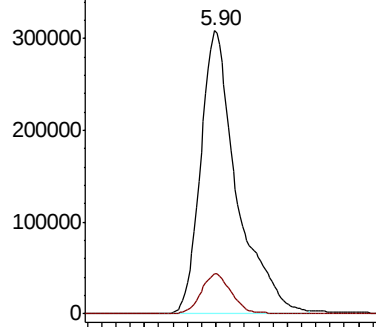


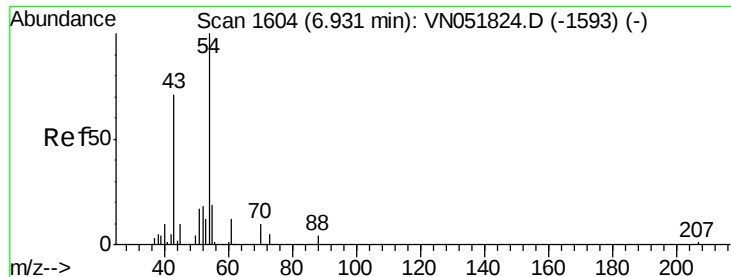
#42
Vinyl Acetate
Concen: 95.729 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 1091100
Ion Ratio Lower Upper
43 100
86 12.0 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

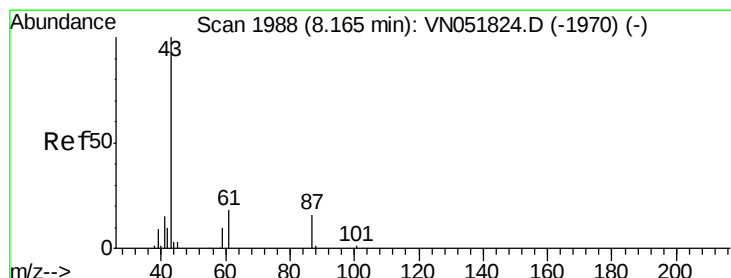
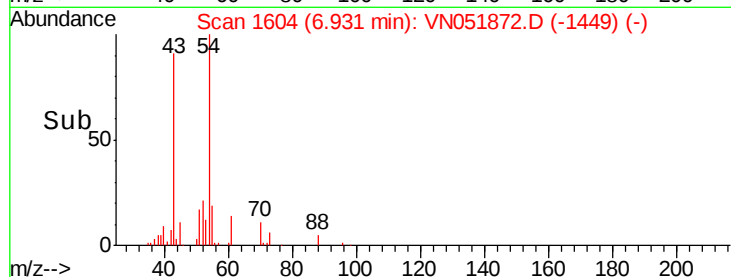
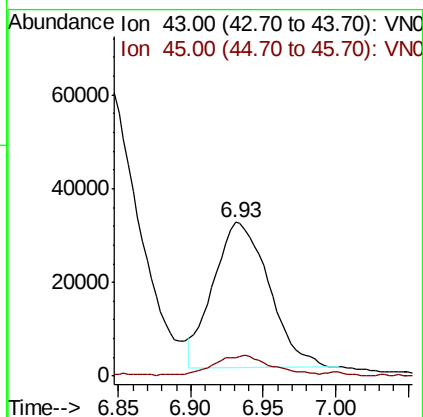
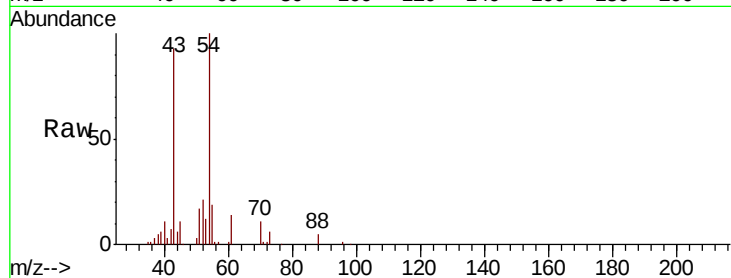




#43
Ethyl Acetate
Concen: 18.951 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

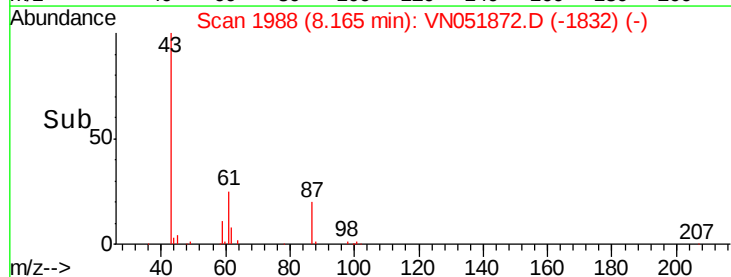
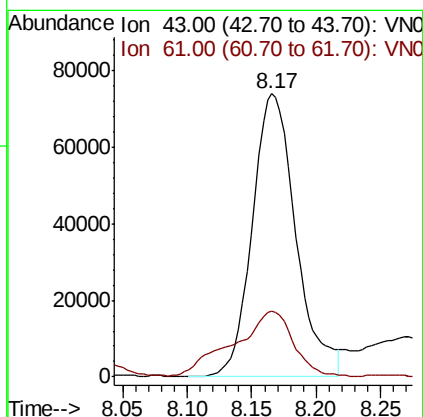
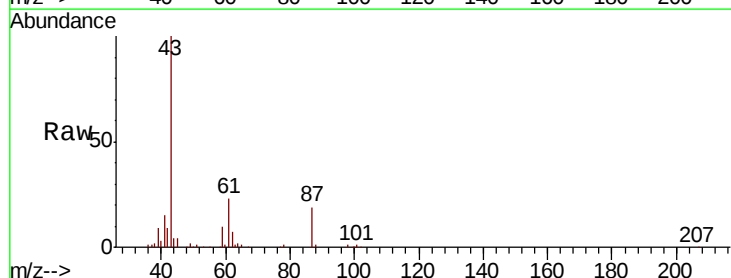
Instrument :
MSVOA_N
ClientSampleId :

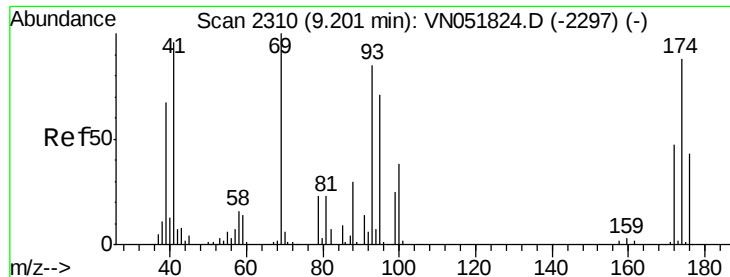
Tot Ion: 43 Resp: 83316
Ion Ratio Lower Upper
43 100
45 5.5 11.0 16.6#



#44
Isopropyl Acetate
Concen: 19.893 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 174691
Ion Ratio Lower Upper
43 100
61 32.3 15.9 23.9#

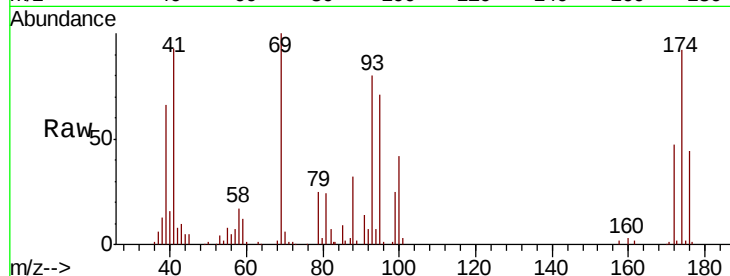




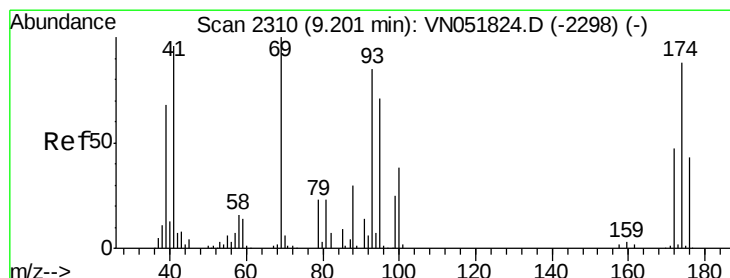
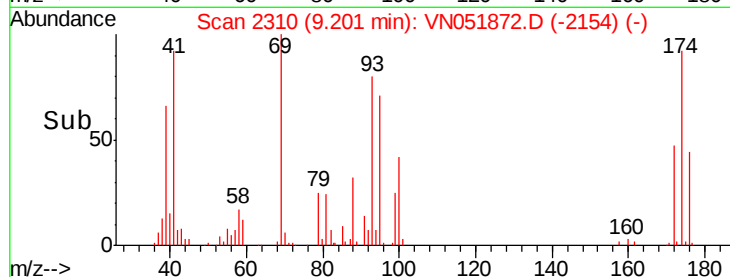
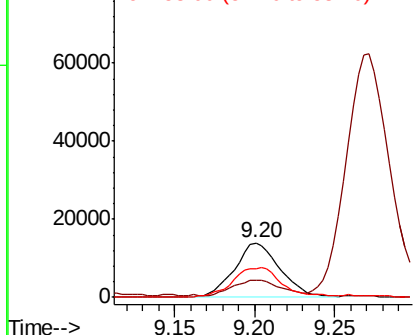
#45
1,4-Dioxane
Concen: 387.986 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 27357
Ion Ratio Lower Upper
88 100
43 28.7 26.2 39.2
58 56.1 65.6 98.4#

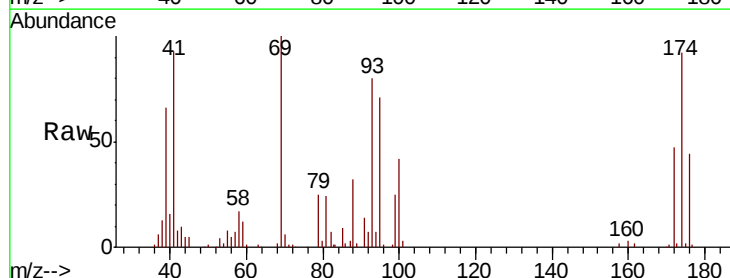


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

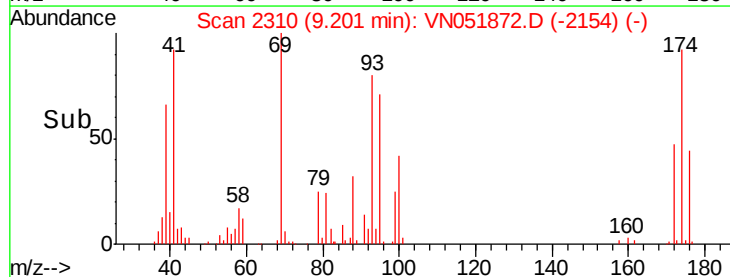
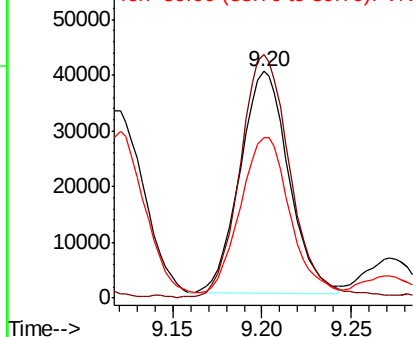


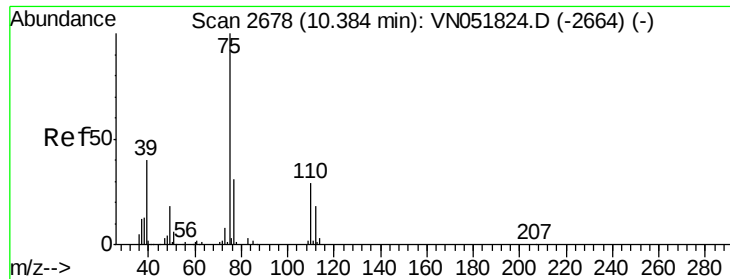
#46
Methyl methacrylate
Concen: 18.789 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 41 Resp: 76104
Ion Ratio Lower Upper
41 100
69 109.4 40.7 122.1
39 69.6 27.3 81.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#48

t-1,3-Dichloropropene

Concen: 17.860 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

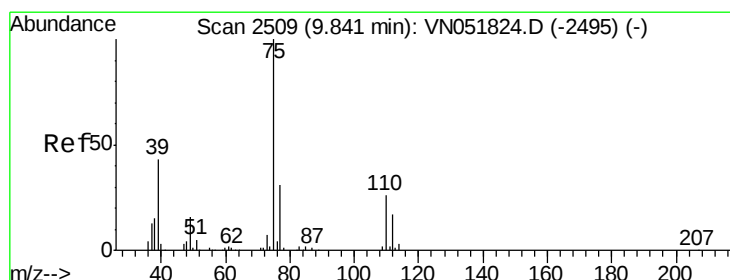
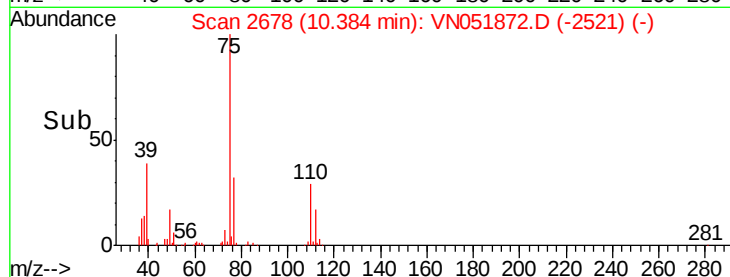
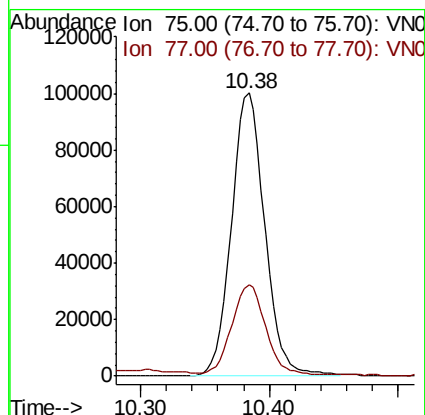
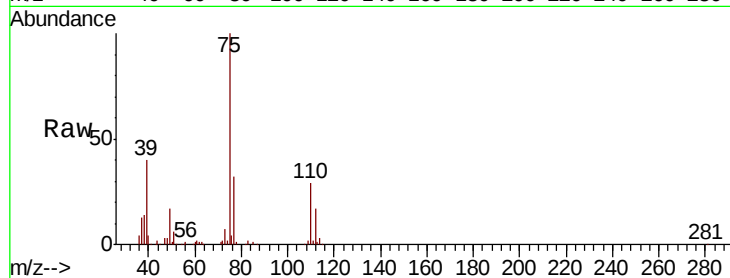
ClientSampled :

Tot Ion: 75 Resp: 180169

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#49

cis-1,3-Dichloropropene

Concen: 19.123 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

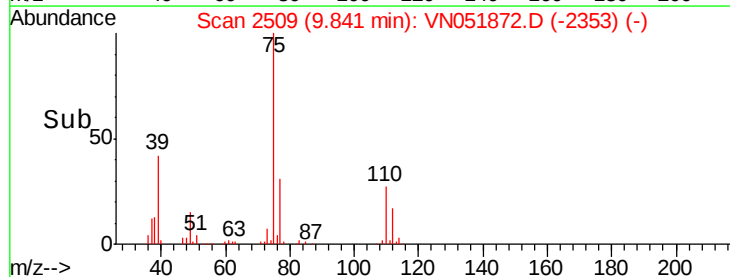
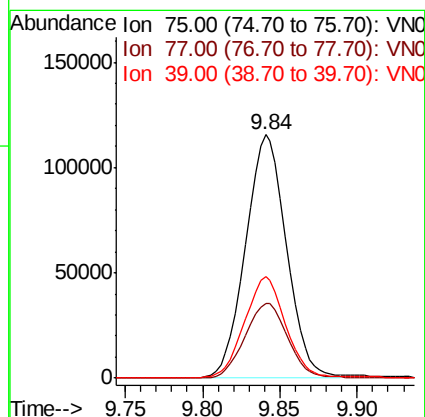
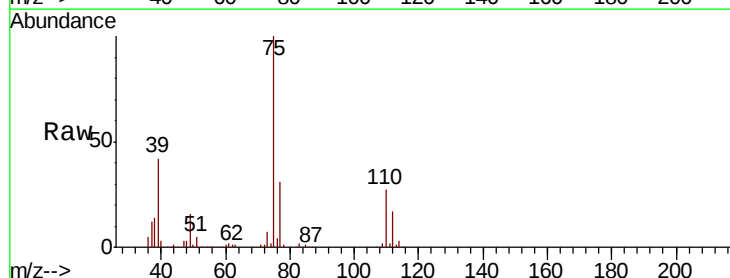
Tgt Ion: 75 Resp: 212667

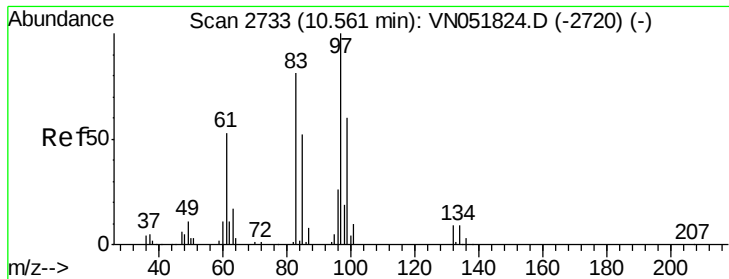
Ion Ratio Lower Upper

75 100

77 30.8 23.2 34.8

39 41.6 34.6 52.0

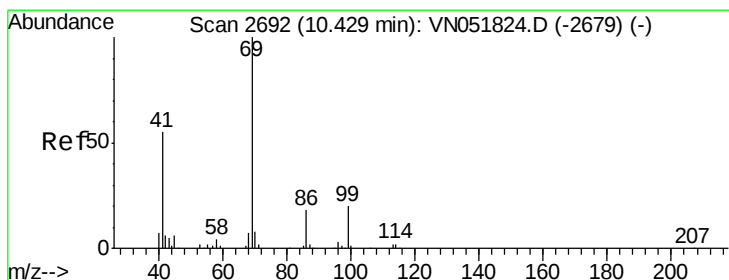
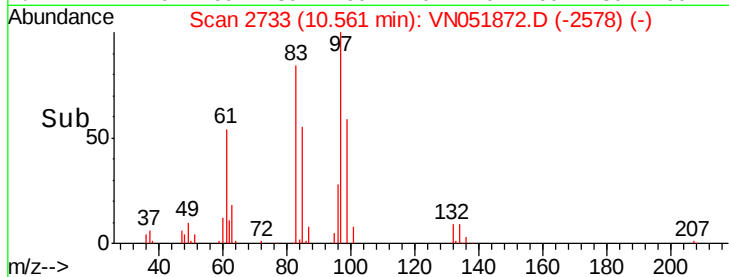
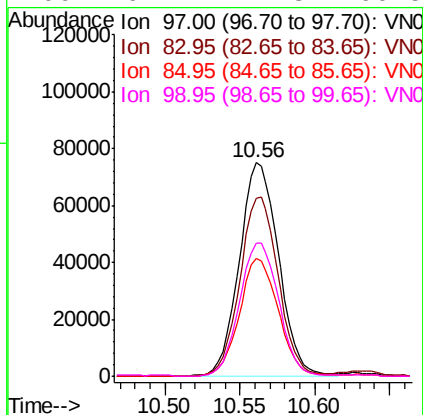
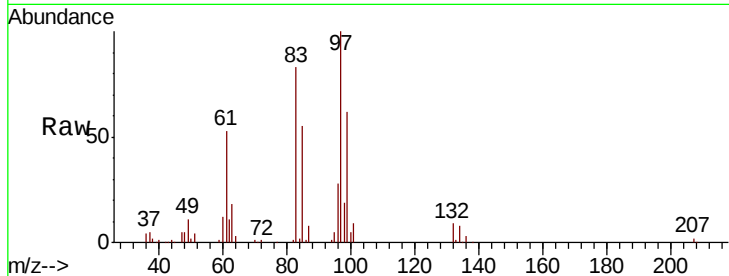




#50
 1,1,2-Trichloroethane
 Concen: 19.862 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

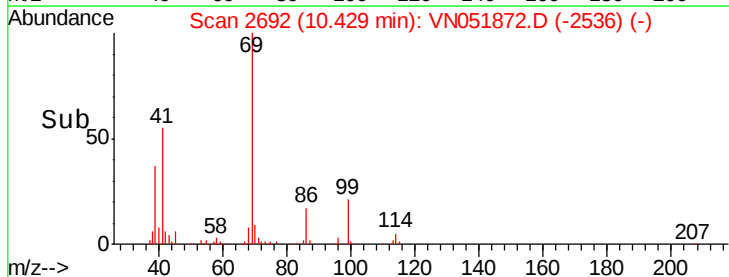
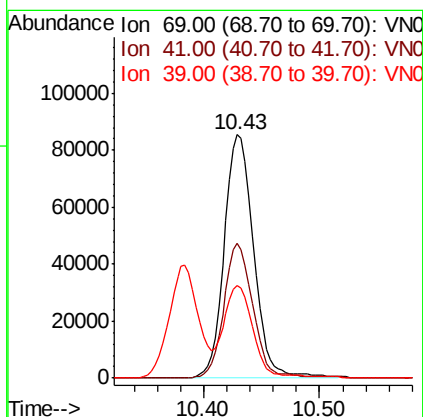
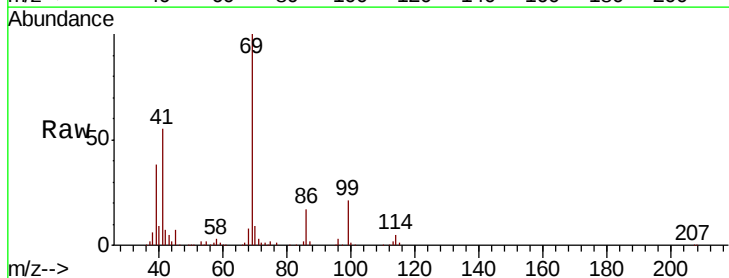
Instrument :
 MSVOA_N
 ClientSampled :

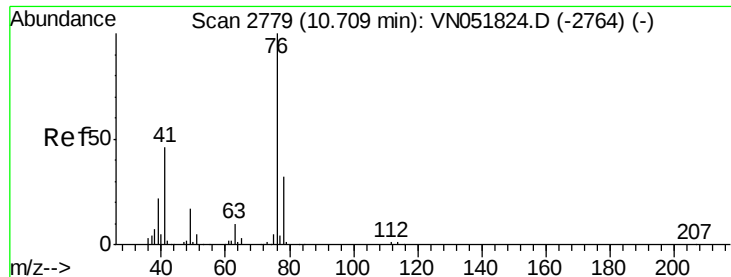
Tot Ion:	97	Resp:	137441
Ion	Ratio	Lower	Upper
97	100		
83	83.5	68.2	102.4
85	55.3	42.5	63.7
99	62.1	44.3	66.5



#51
 Ethyl methacrylate
 Concen: 19.002 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion:	69	Resp:	150541
Ion	Ratio	Lower	Upper
69	100		
41	55.2	34.4	103.1
39	37.3	16.3	48.8





#52

1,3-Dichloropropane

Concen: 19.756 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

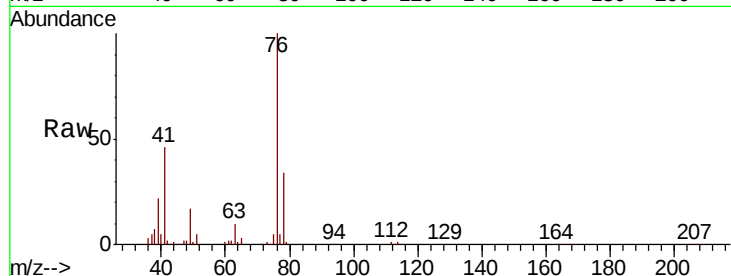
ClientSampleId :

Tot Ion: 76 Resp: 210996

Ion Ratio Lower Upper

76 100

78 32.7 0.0 67.6



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

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

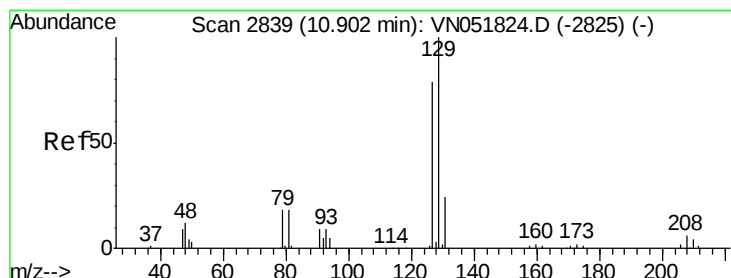
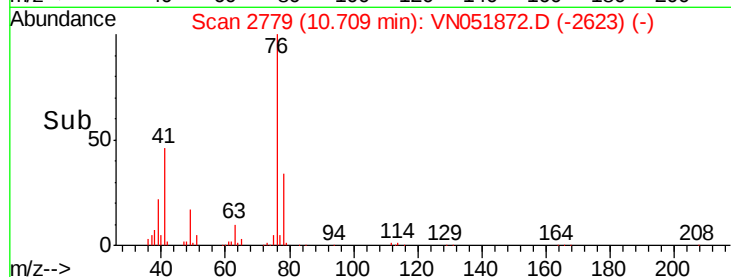
10.71

100000

50000

0

Time--> 10.60 10.70 10.80



#53

Dibromochloromethane

Concen: 18.403 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051872.D

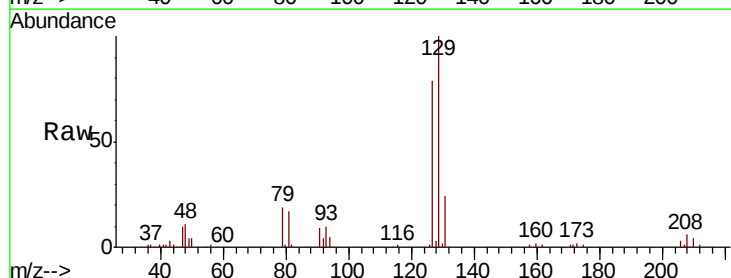
Acq: 15 Oct 2018 14:22

Tgt Ion: 129 Resp: 157539

Ion Ratio Lower Upper

129 100

127 76.2 40.2 120.5



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

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

10.90

100000

80000

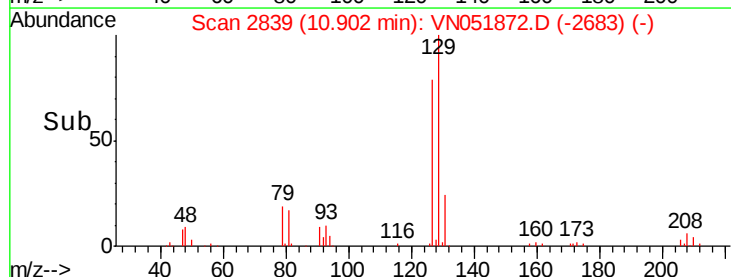
60000

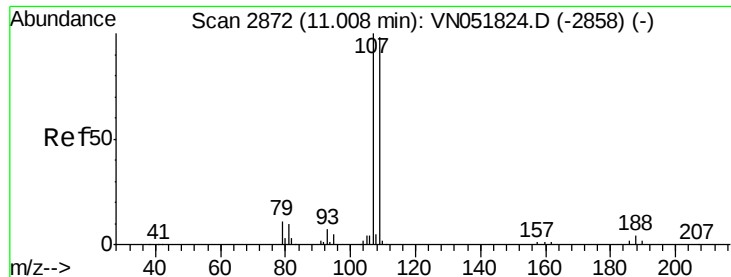
40000

20000

0

Time--> 10.90 11.00





#54

1,2-Dibromoethane

Concen: 19.427 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

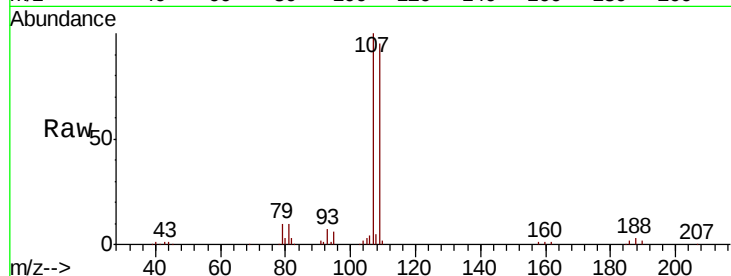
ClientSampled :

Tot Ion:107 Resp: 141107

Ion Ratio Lower Upper

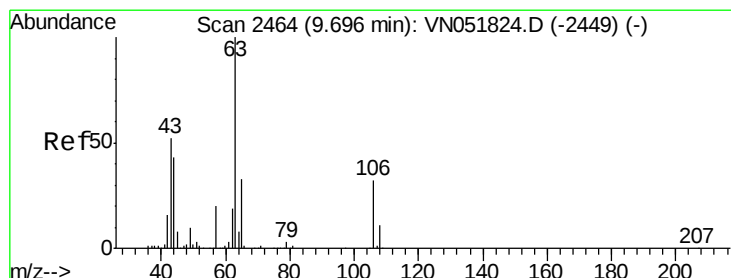
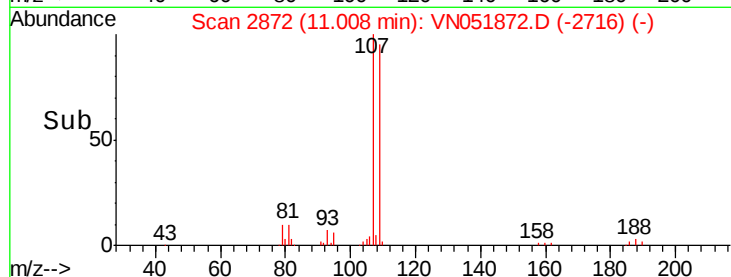
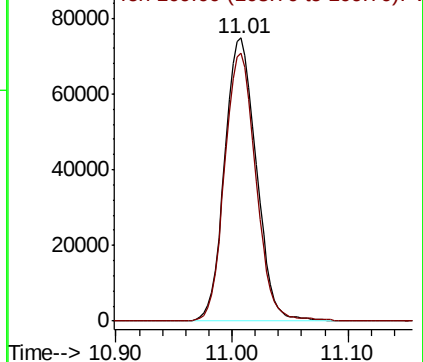
107 100

109 93.3 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: 94.560 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

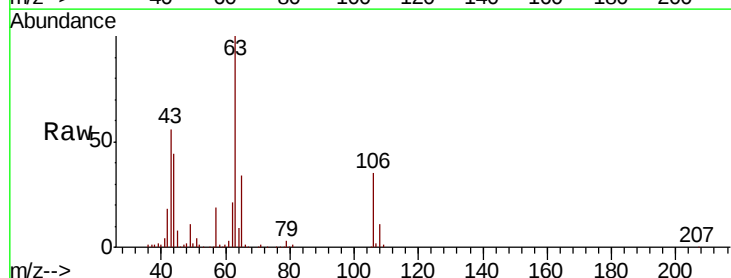
Tgt Ion: 63 Resp: 320251

Ion Ratio Lower Upper

63 100

65 32.6 25.4 38.0

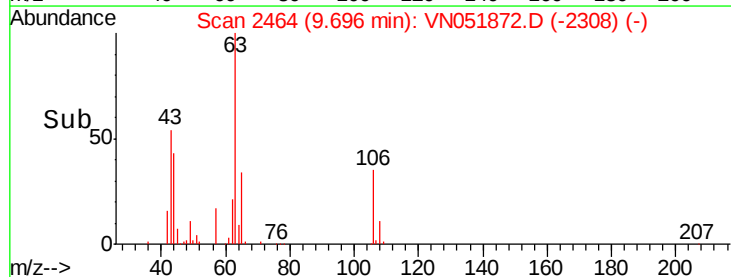
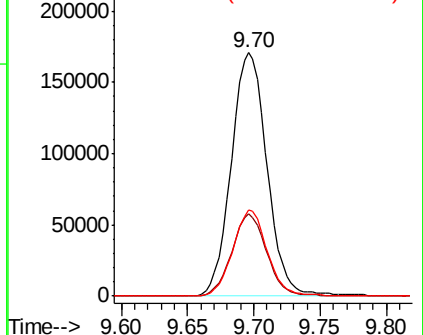
106 34.2 21.2 31.8#

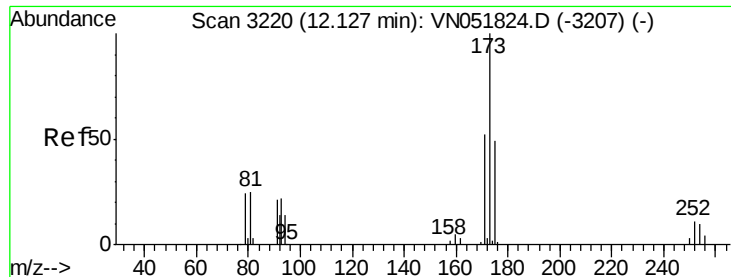


Abundance Ion 63.00 (62.70 to 63.70): V

Ion 65.00 (64.70 to 65.70): V

Ion 106.00 (105.70 to 106.70): V

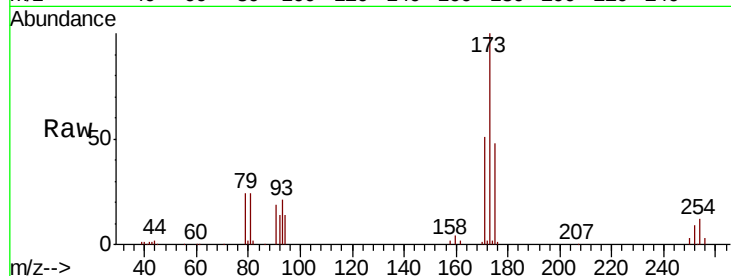




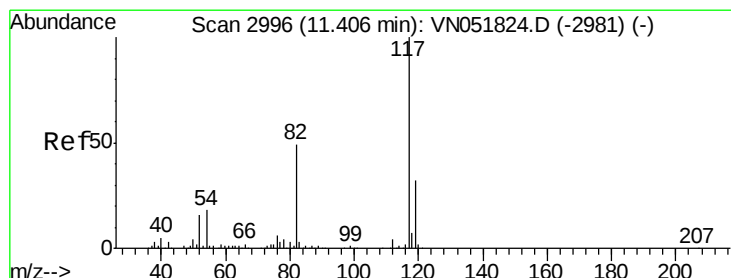
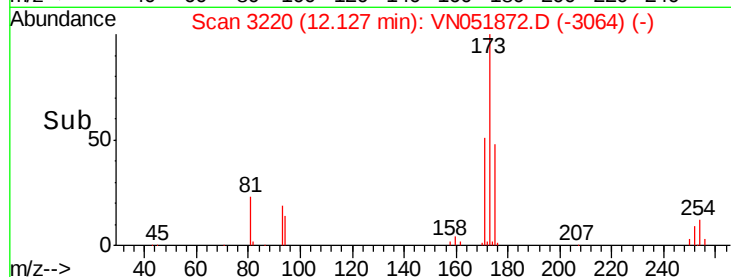
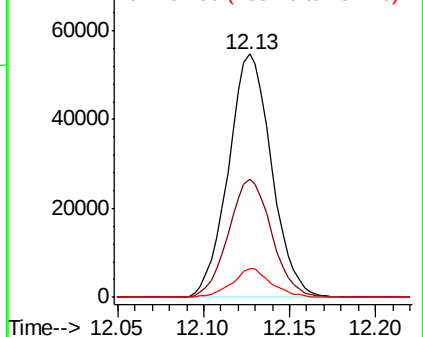
#56
Bromoform
Concen: 16.952 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 95705
Ion Ratio Lower Upper
173 100
175 48.7 35.8 53.8
254 10.8 8.6 13.0

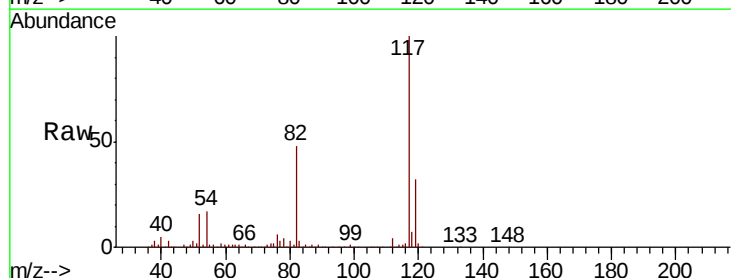


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

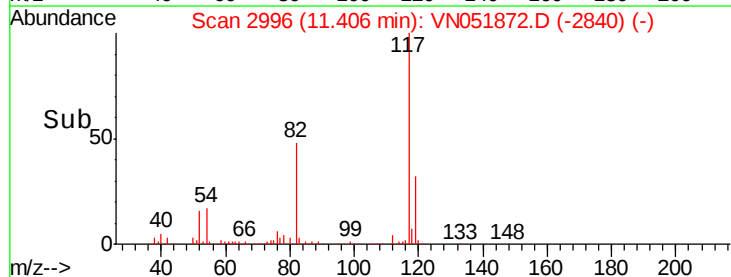
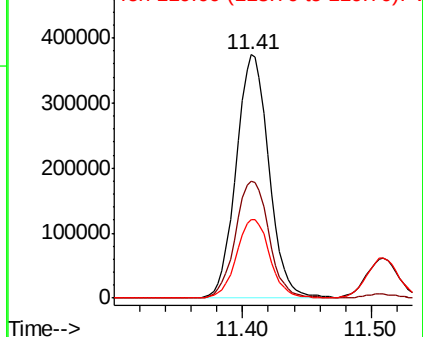


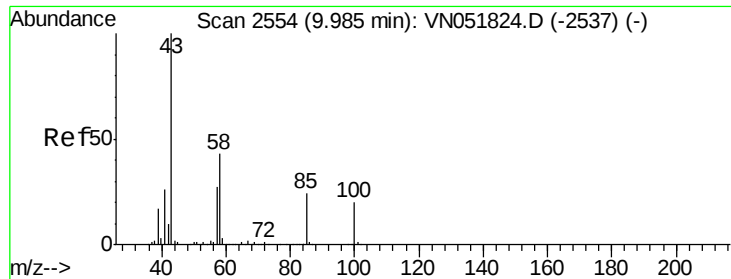
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion:117 Resp: 662256
Ion Ratio Lower Upper
117 100
82 49.3 44.1 66.1
119 32.8 25.8 38.8



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

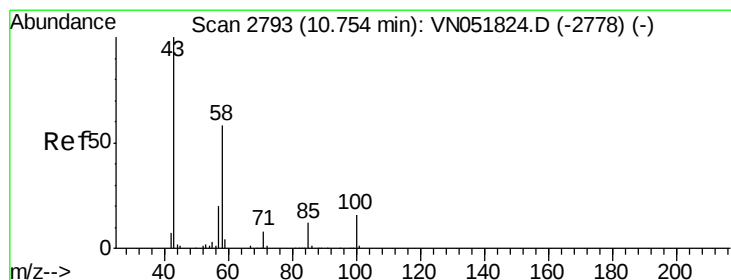
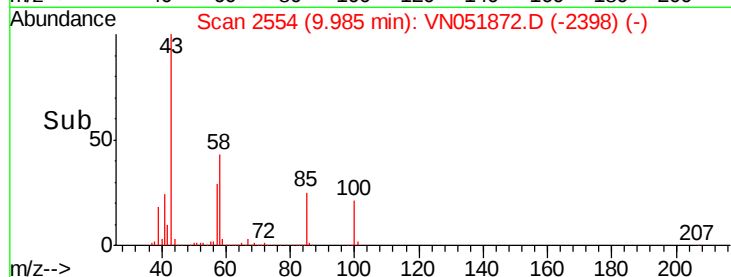
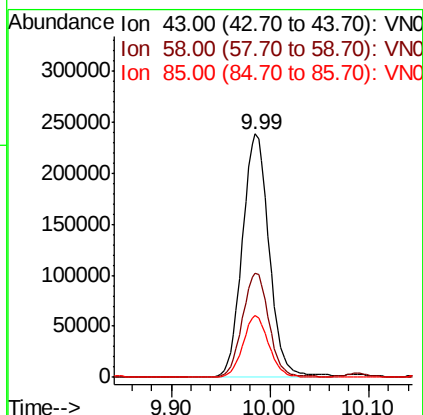
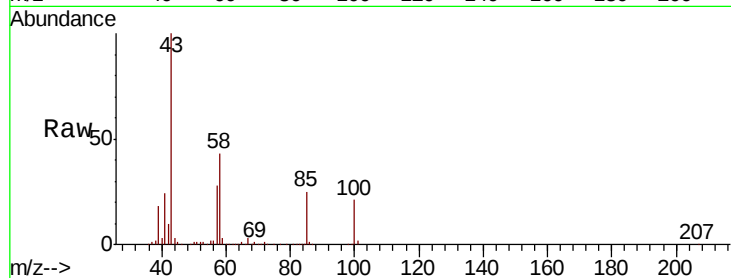




#58
4-Methyl-2-Pentanone
Concen: 101.129 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

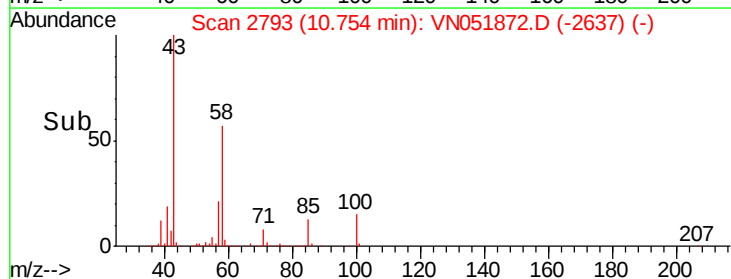
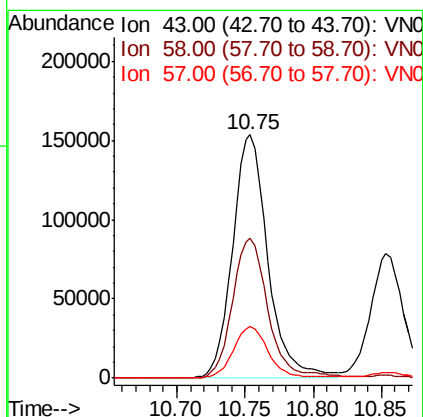
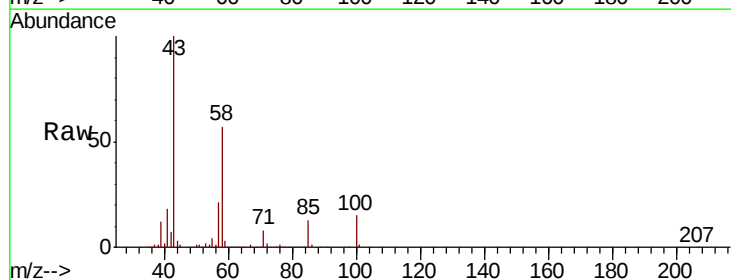
Instrument :
MSVOA_N
ClientSampled :

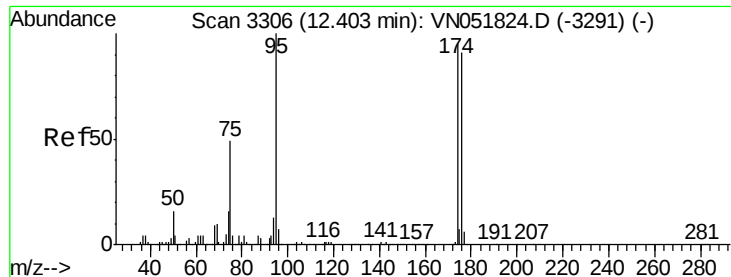
Tot Ion: 43 Resp: 448182
Ion Ratio Lower Upper
43 100
58 42.1 29.3 43.9
85 24.4 12.6 18.8#



#59
2-Hexanone
Concen: 91.648 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 43 Resp: 274014
Ion Ratio Lower Upper
43 100
58 58.4 41.3 61.9
57 21.3 13.4 20.0#

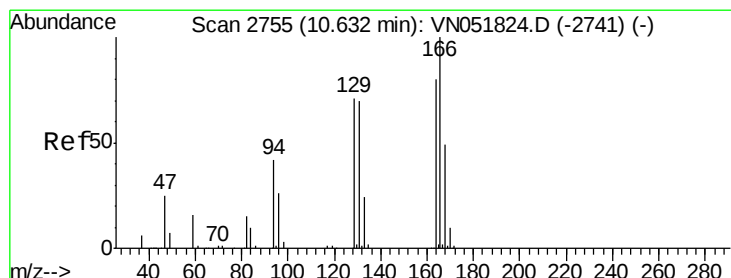
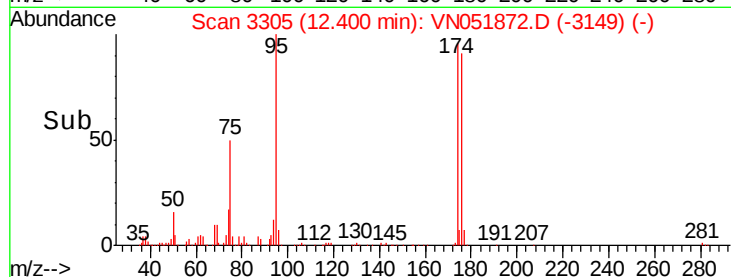
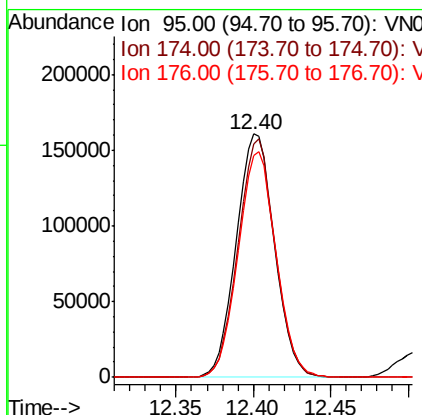
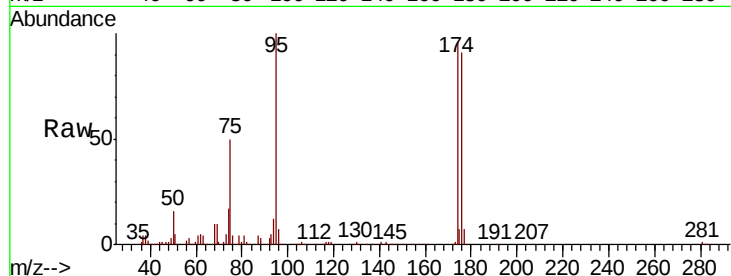




#60
4-Bromofluorobenzene
Concen: 91.648 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

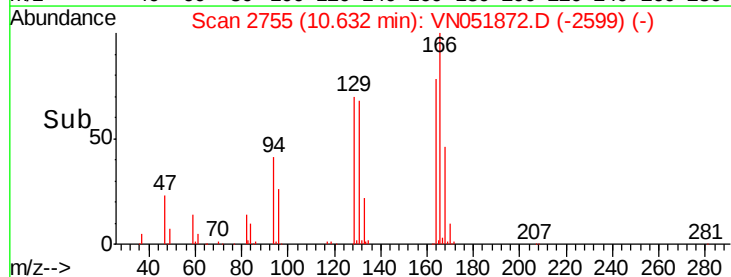
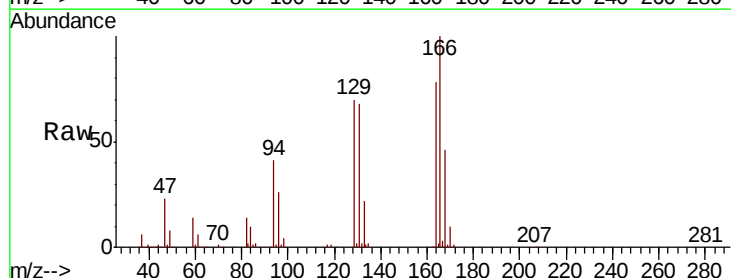
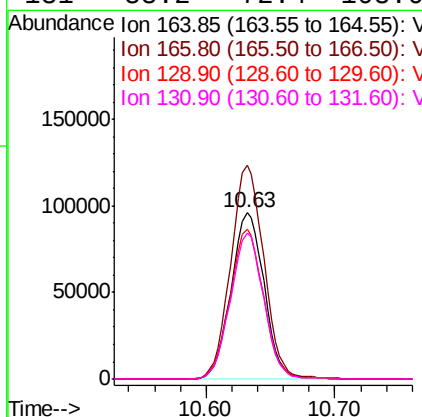
Instrument :
MSVOA_N
ClientSampleId :

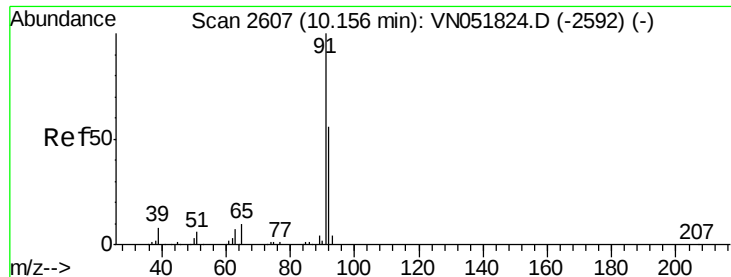
Tot Ion: 95 Resp: 275706
Ion Ratio Lower Upper
95 100
174 95.3 73.5 110.3
176 92.2 70.2 105.2



#61
Tetrachloroethene
Concen: 20.220 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 164 Resp: 171247
Ion Ratio Lower Upper
164 100
166 128.8 98.7 148.1
129 90.7 69.6 104.4
131 88.2 72.4 108.6





#62

Toluene

Concen: 21.163 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

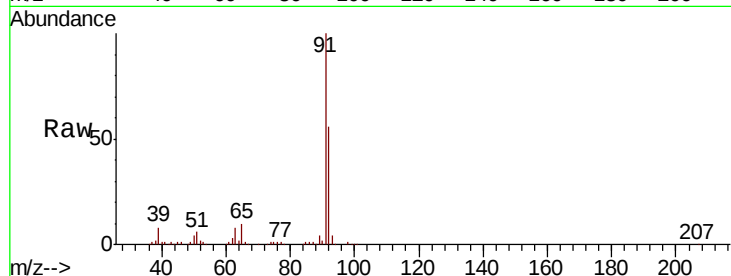
ClientSampleId :

Tot Ion: 91 Resp: 696253

Ion Ratio Lower Upper

91 100

92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): VN051824.D (-2592) (-)

Ion 92.00 (91.70 to 92.70): VN051824.D (-2592) (-)

10.16

400000

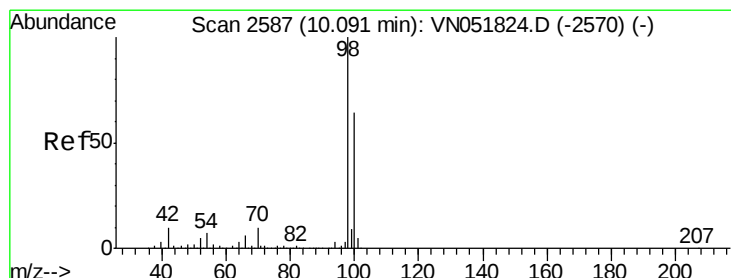
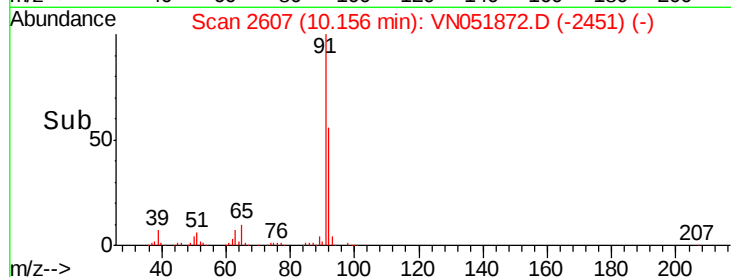
300000

200000

100000

0

Time-->



#63

Toluene-d8

Concen: 21.163 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051872.D

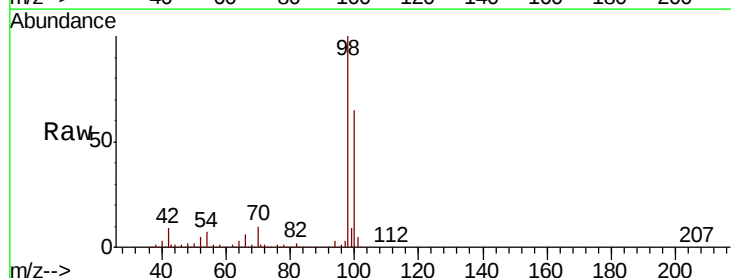
Acq: 15 Oct 2018 14:22

Tgt Ion: 98 Resp: 882868

Ion Ratio Lower Upper

98 100

100 63.3 50.8 76.2



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

Ion 100.00 (99.70 to 100.70): VN051824.D (-2570) (-)

10.09

500000

400000

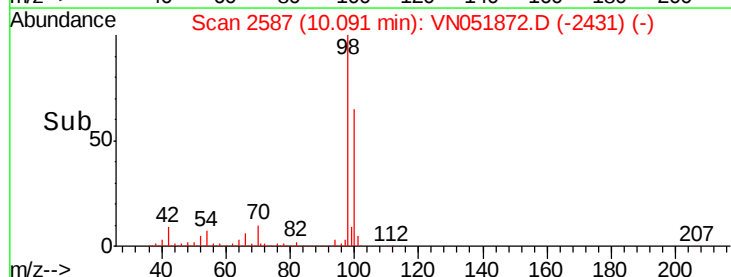
300000

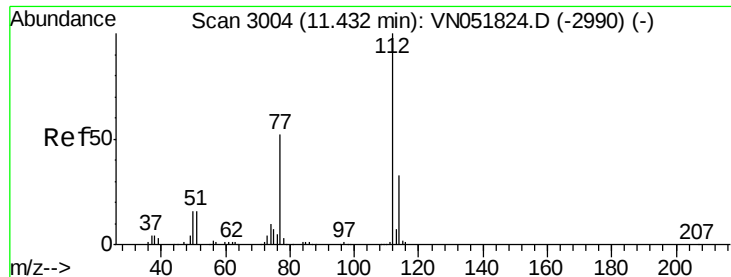
200000

100000

0

Time-->

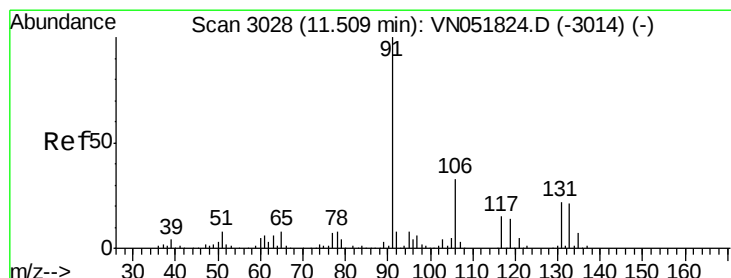
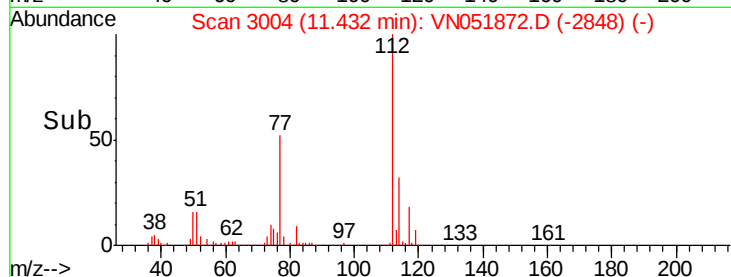
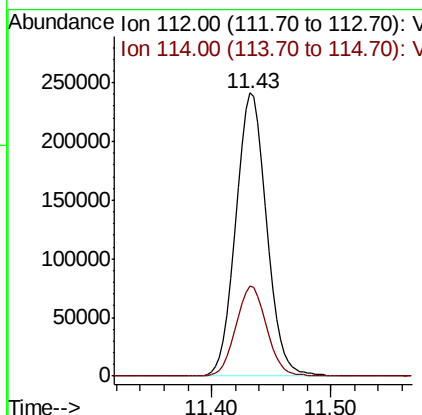
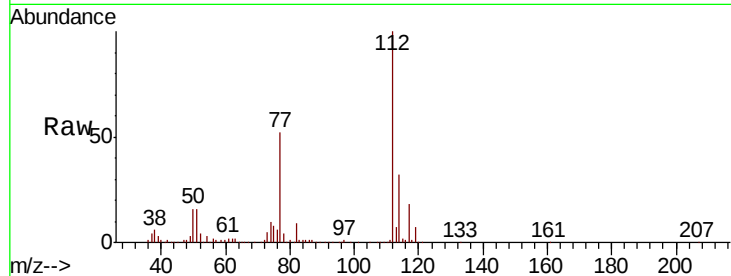




#64
Chlorobenzene
Concen: 20.089 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

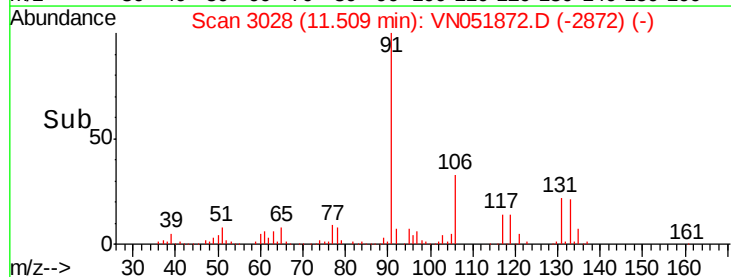
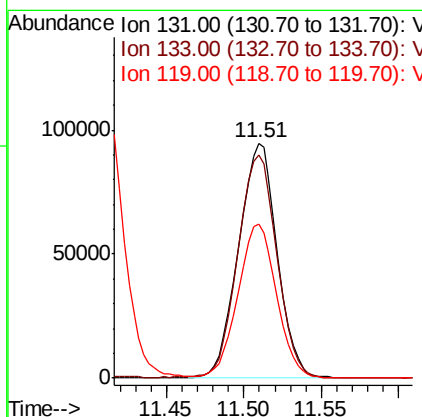
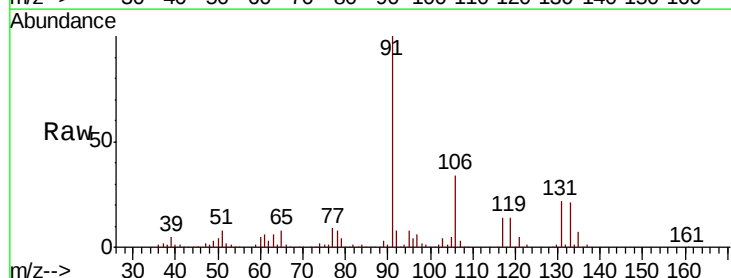
Instrument :
MSVOA_N
ClientSampled :

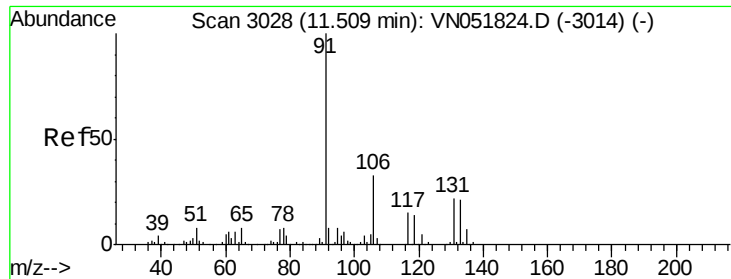
Tot Ion:112 Resp: 432852
Ion Ratio Lower Upper
112 100
114 31.7 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 19.897 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion:131 Resp: 164550
Ion Ratio Lower Upper
131 100
133 95.8 0.0 190.4
119 65.3 0.0 128.0

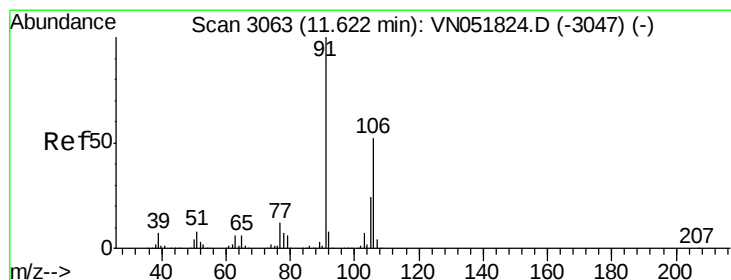
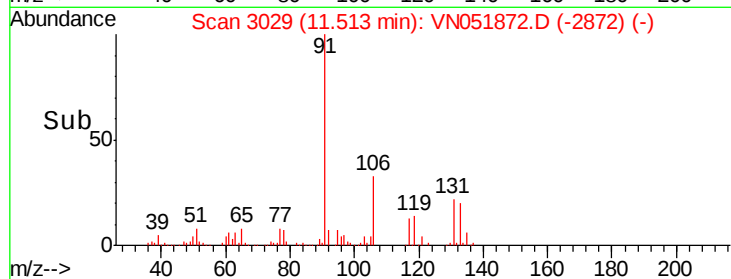
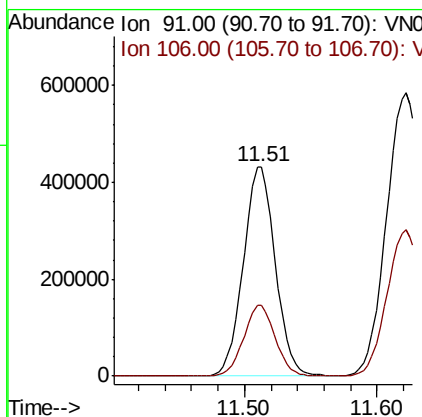
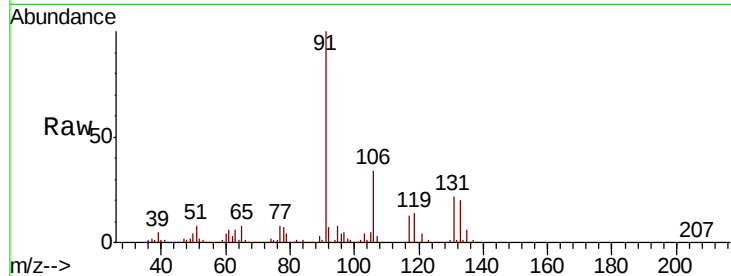




#66
Ethyl Benzene
Concen: 19.828 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

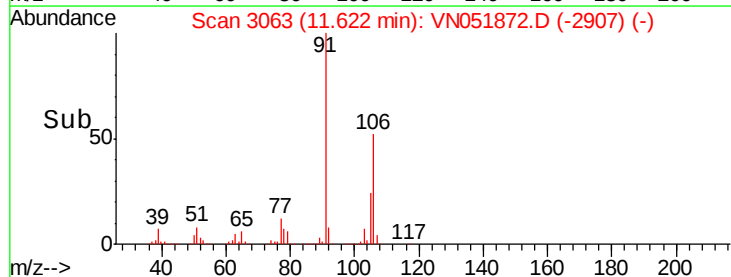
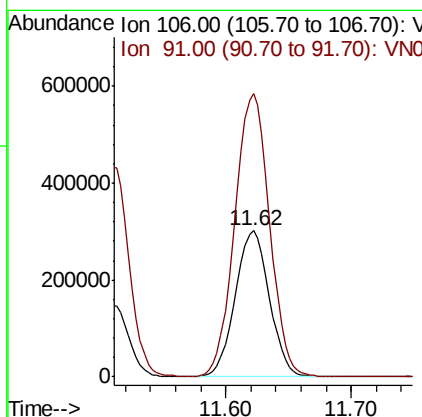
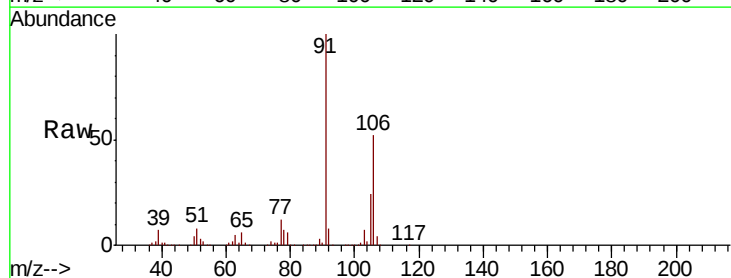
Instrument :
MSVOA_N
ClientSampled :

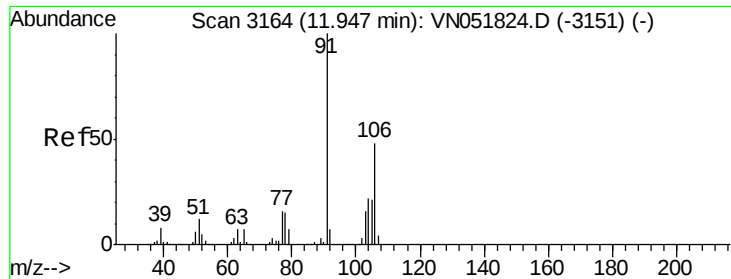
Tot Ion: 91 Resp: 720956
Ion Ratio Lower Upper
91 100
106 33.6 25.9 38.9



#67
m/p-Xylenes
Concen: 38.709 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 106 Resp: 570626
Ion Ratio Lower Upper
106 100
91 197.4 158.8 238.2

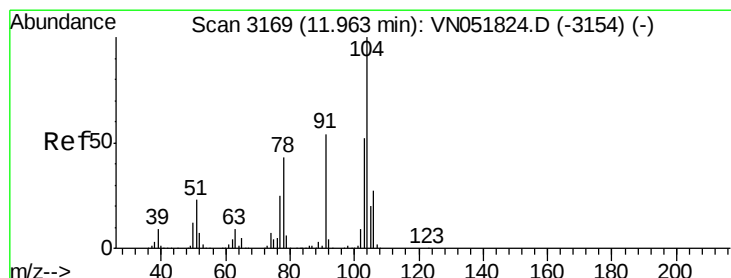
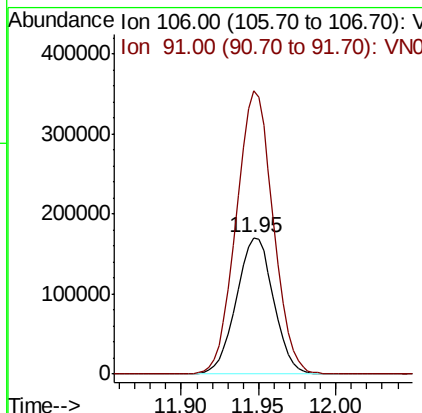
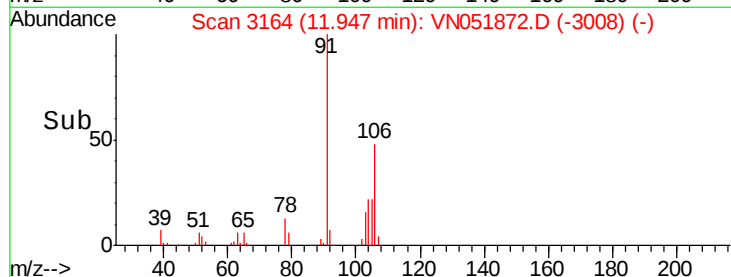
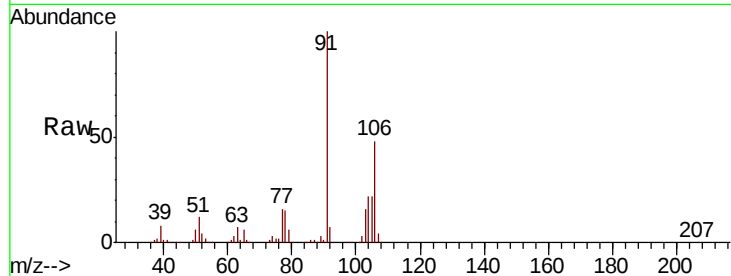




#68
o-Xylene
Concen: 19.623 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

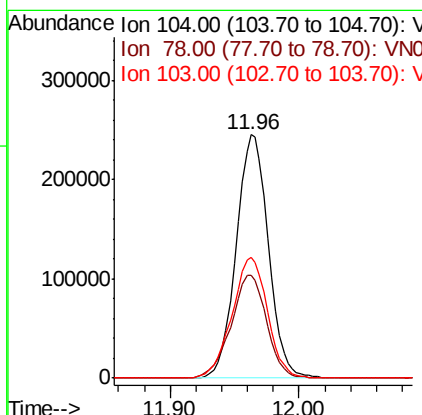
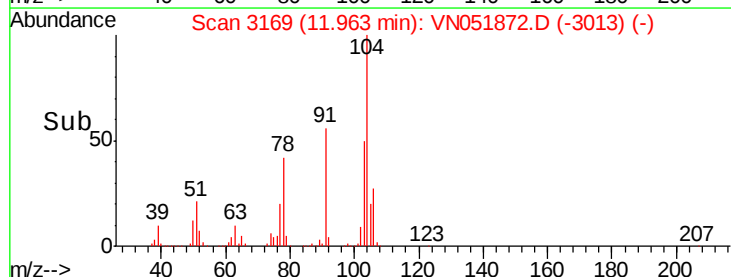
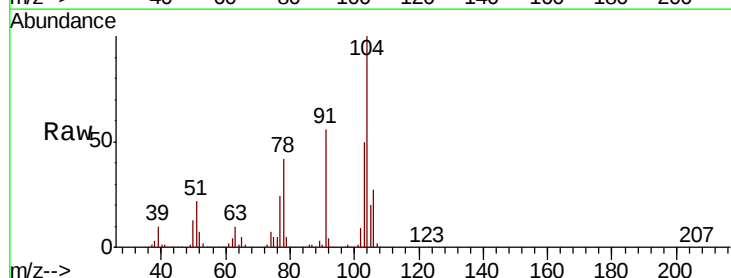
Instrument :
MSVOA_N
ClientSampled :

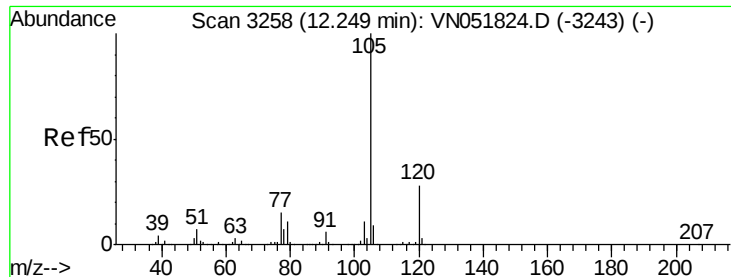
Tot Ion:106 Resp: 285175
Ion Ratio Lower Upper
106 100
91 205.7 111.1 333.3



#69
Styrene
Concen: 19.071 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion:104 Resp: 425225
Ion Ratio Lower Upper
104 100
78 46.7 40.6 60.8
103 54.6 44.0 66.0





#70

Isopropylbenzene

Concen: 19.648 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

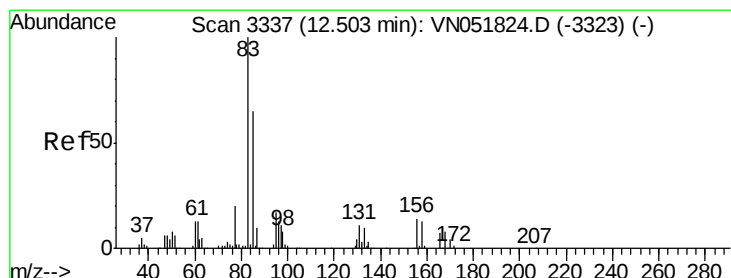
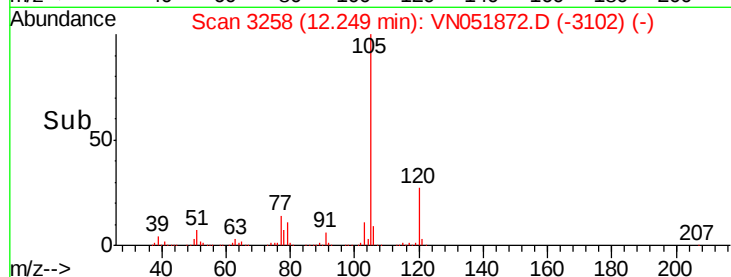
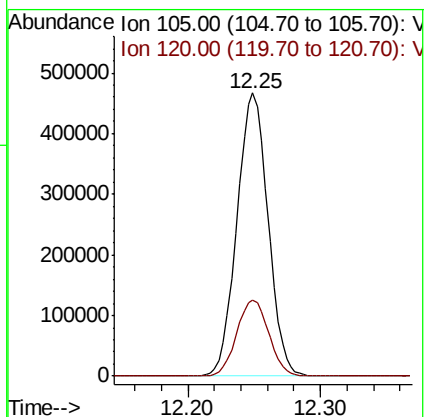
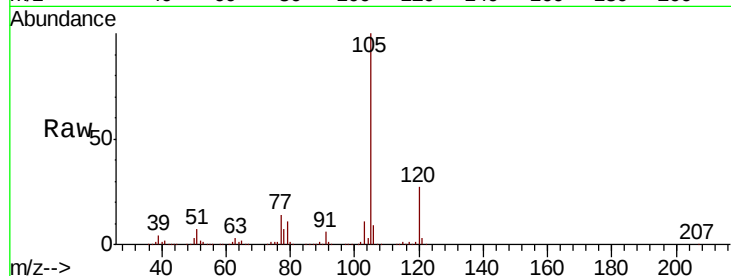
ClientSampleId :

Tot Ion:105 Resp: 761425

Ion Ratio Lower Upper

105 100

120 27.7 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 20.433 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

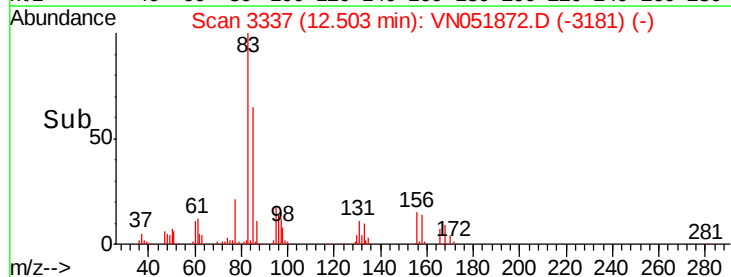
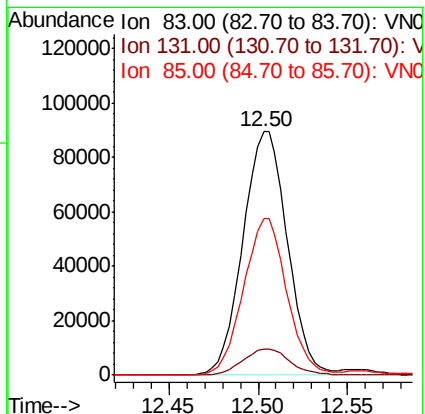
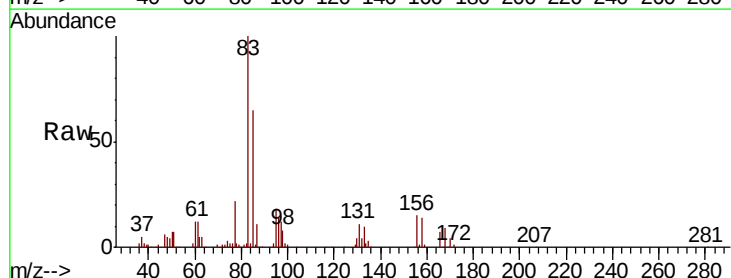
Tgt Ion: 83 Resp: 156383

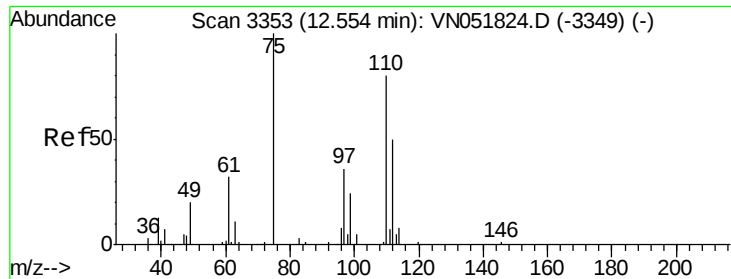
Ion Ratio Lower Upper

83 100

131 11.3 5.5 16.4

85 62.5 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 28.941 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

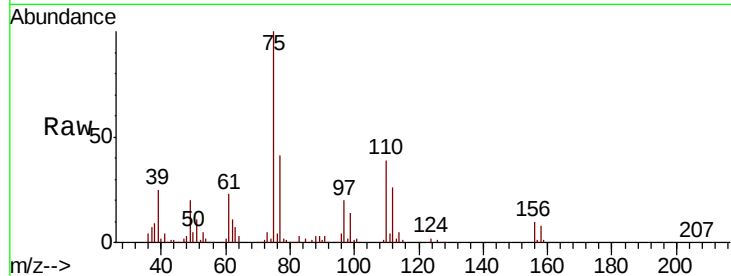
ClientSampleId :

Tot Ion: 75 Resp: 174245

Ion Ratio Lower Upper

75 100

77 161.6 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

150000

100000

50000

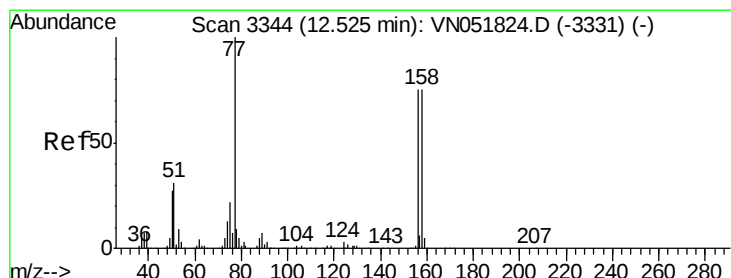
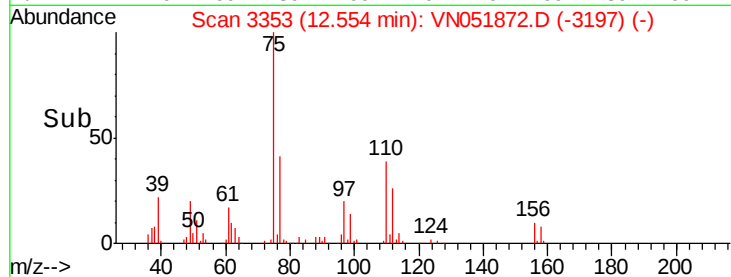
0

12.55

12.50

12.60

Time-->



#73

Bromobenzene

Concen: 19.197 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

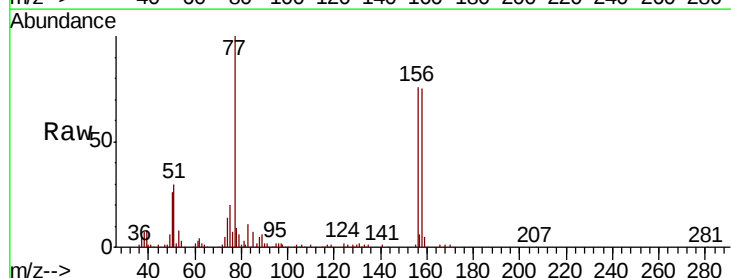
Tgt Ion: 156 Resp: 184276

Ion Ratio Lower Upper

156 100

77 152.8 0.0 377.4

158 97.2 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V

150000

100000

50000

0

12.53

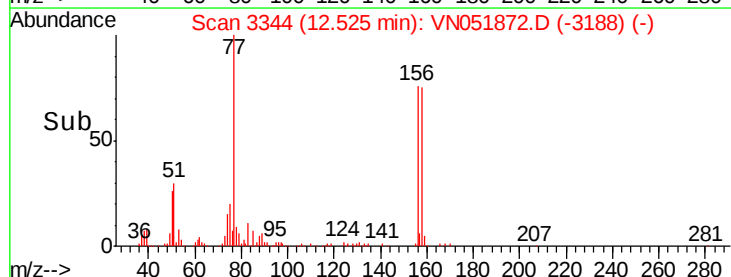
12.45

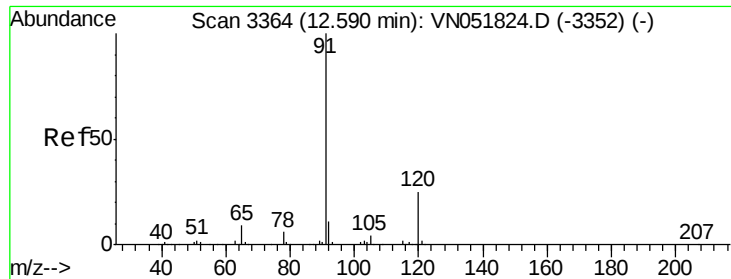
12.50

12.55

12.60

Time-->





#74

n-propylbenzene

Concen: 19.356 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

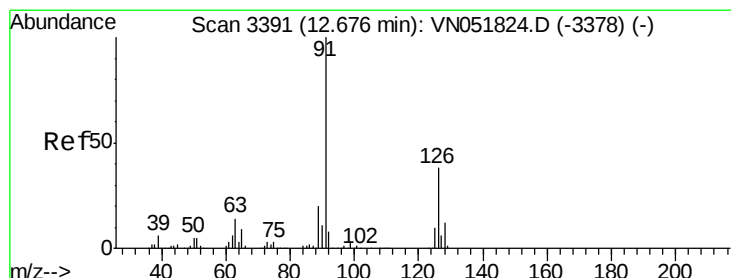
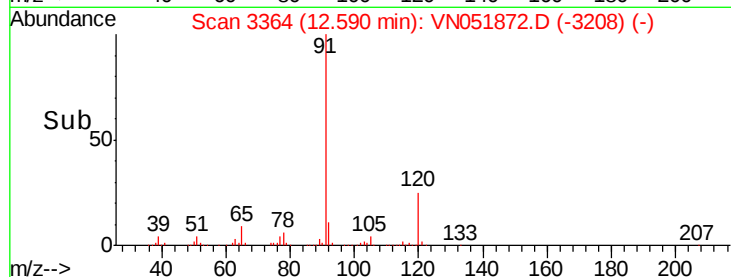
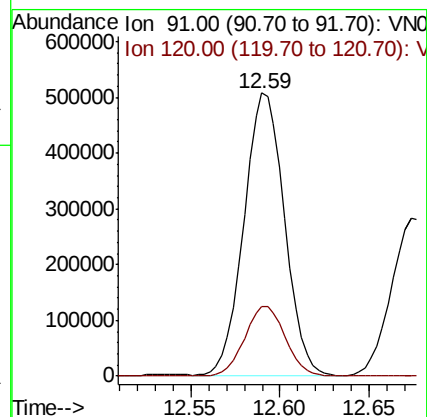
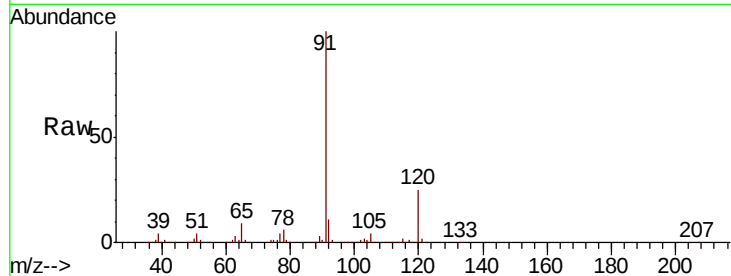
ClientSampled :

Tot Ion: 91 Resp: 806869

Ion Ratio Lower Upper

91 100

120 24.6 0.0 45.0



#75

2-Chlorotoluene

Concen: 19.570 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051872.D

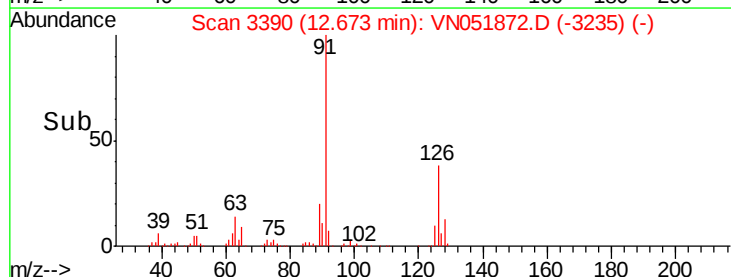
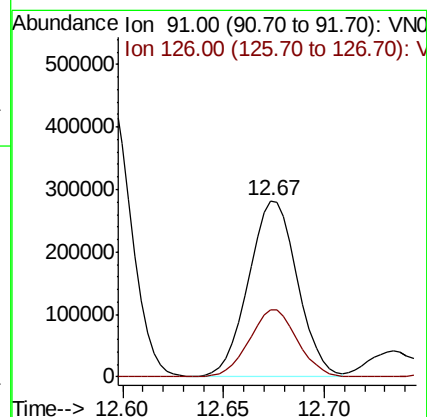
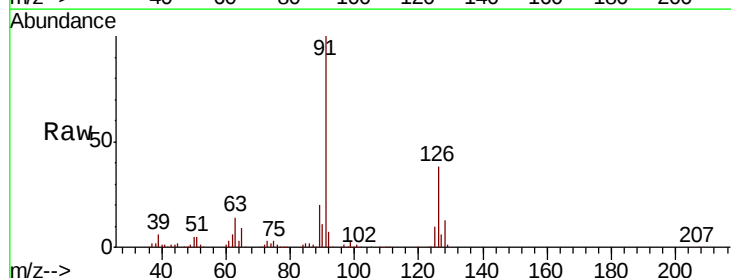
Acq: 15 Oct 2018 14:22

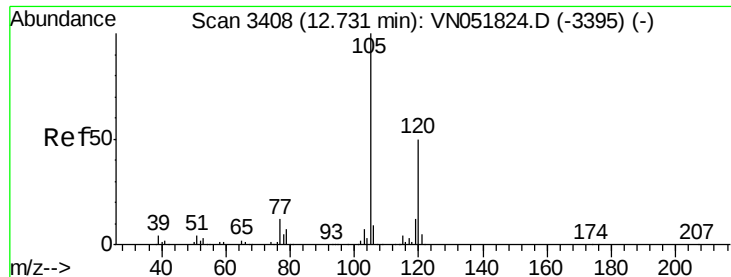
Tgt Ion: 91 Resp: 478265

Ion Ratio Lower Upper

91 100

126 37.7 0.0 67.6





#76

1,3,5-Trimethylbenzene

Concen: 19.493 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

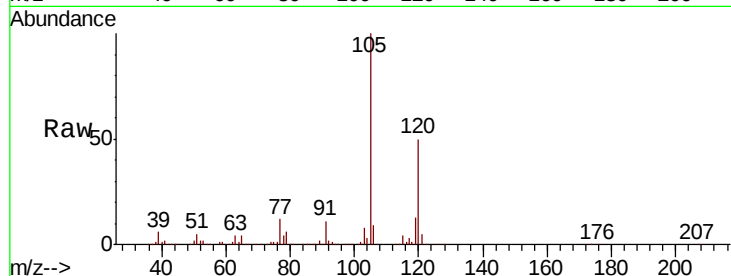
ClientSampled :

Tot Ion:105 Resp: 624680

Ion Ratio Lower Upper

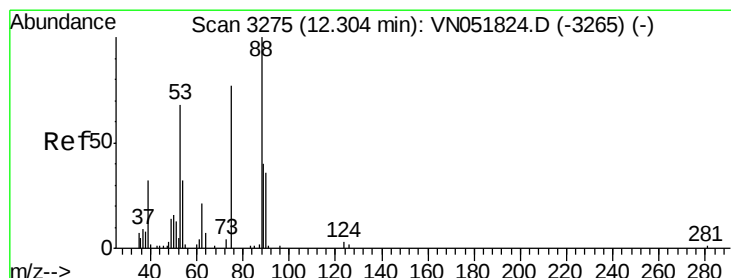
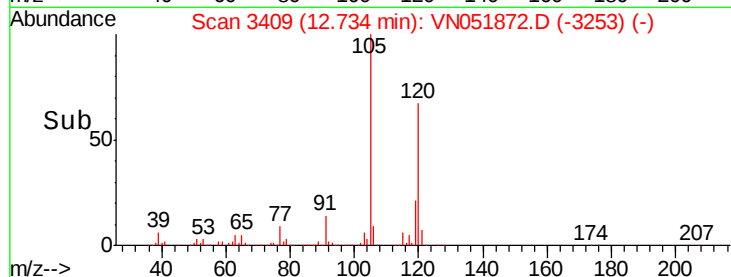
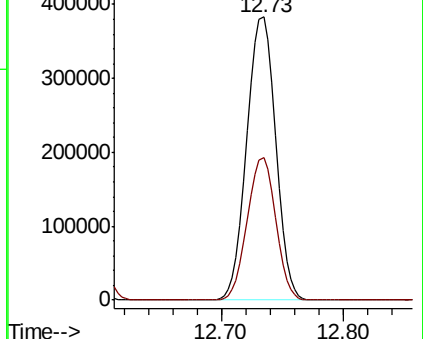
105 100

120 49.5 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#77

t-1,4-Dichloro-2-butene

Concen: 15.354 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

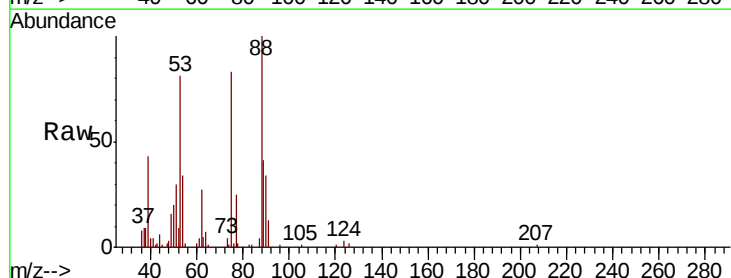
Tgt Ion: 75 Resp: 30574

Ion Ratio Lower Upper

75 100

53 95.8 46.3 138.9

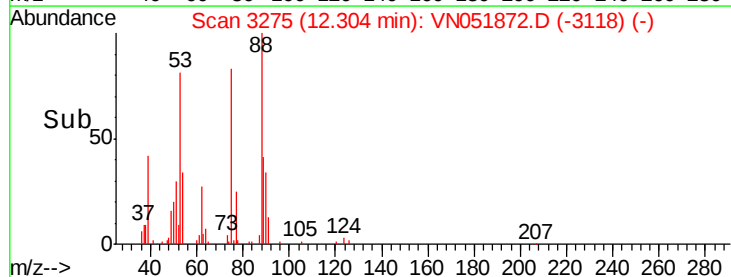
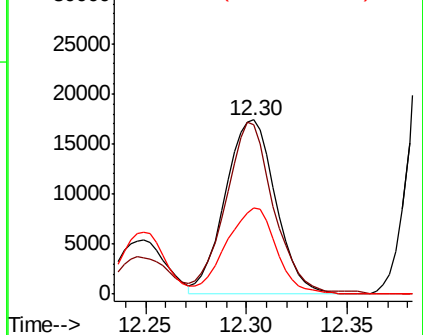
89 49.6 24.6 73.8

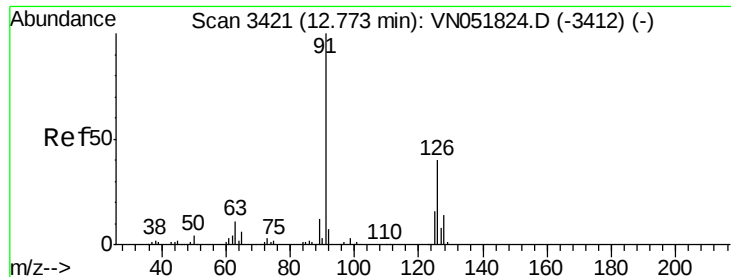


Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 89.00 (88.70 to 89.70): VNO





#78

4-Chlorotoluene

Concen: 18.489 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

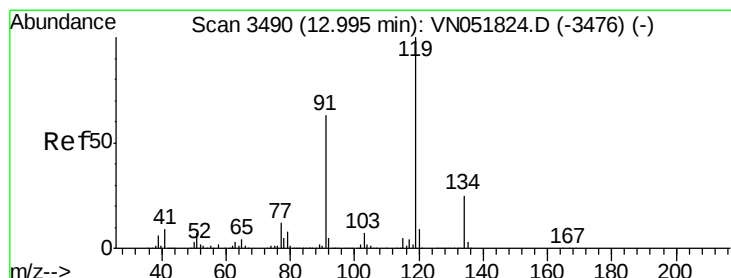
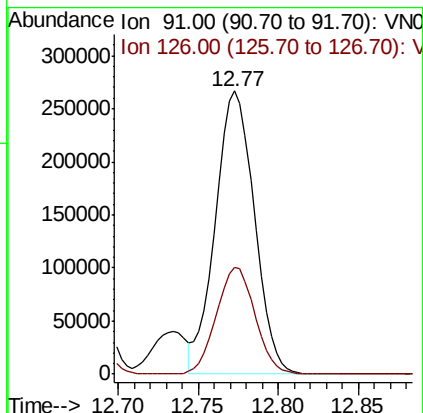
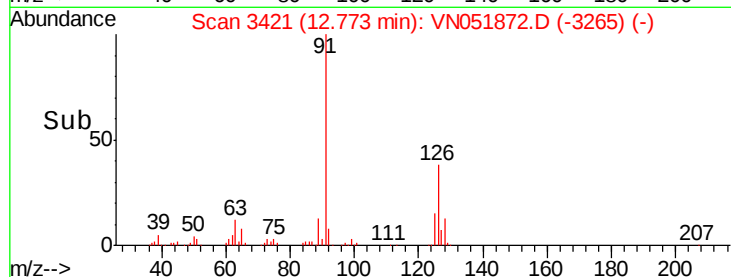
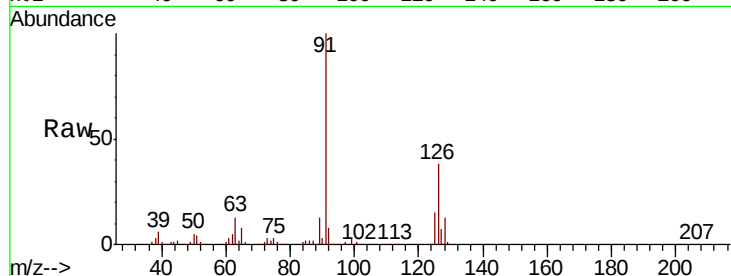
ClientSampleId :

Tot Ion: 91 Resp: 443954

Ion Ratio Lower Upper

91 100

126 37.4 0.0 65.2



#79

tert-butylbenzene

Concen: 19.743 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

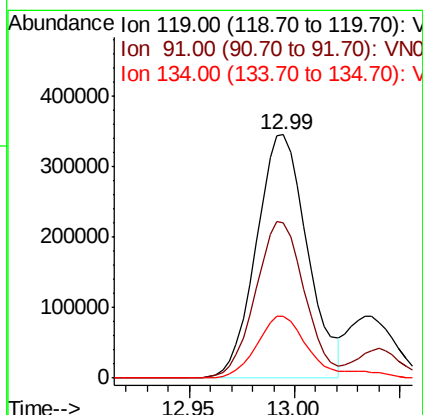
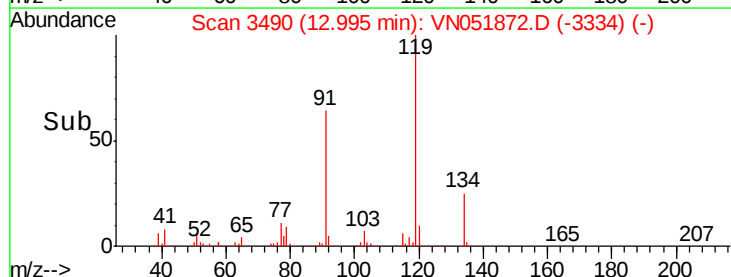
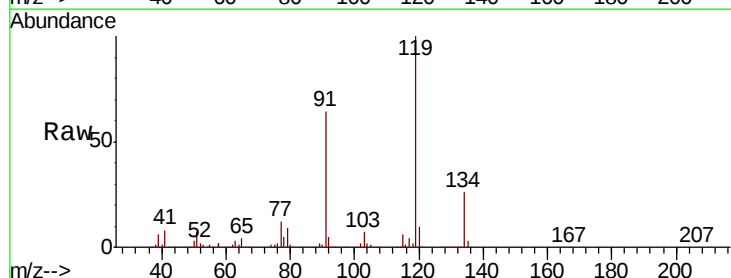
Tgt Ion: 119 Resp: 581854

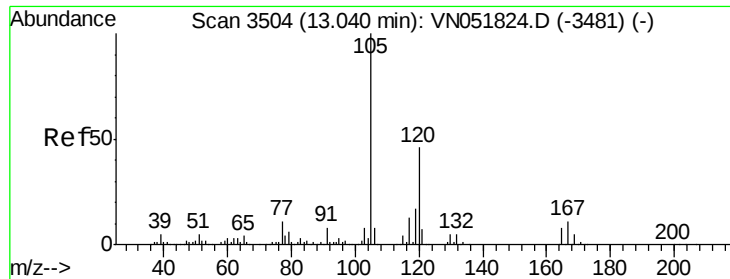
Ion Ratio Lower Upper

119 100

91 61.8 0.0 131.6

134 24.9 0.0 46.2

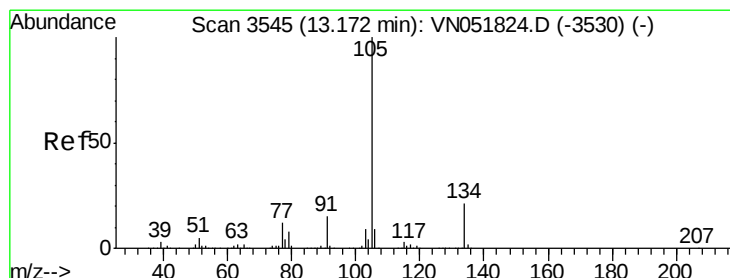
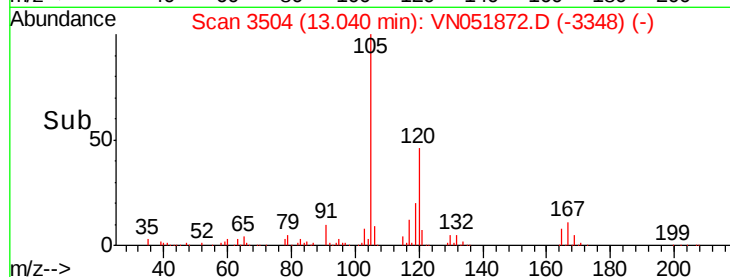
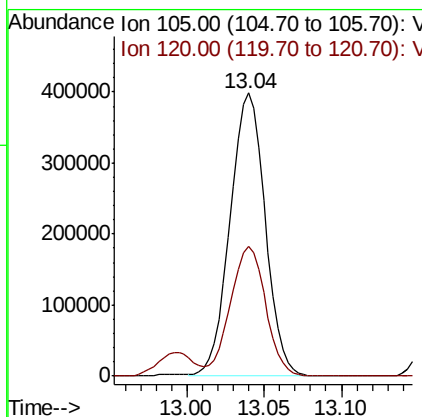
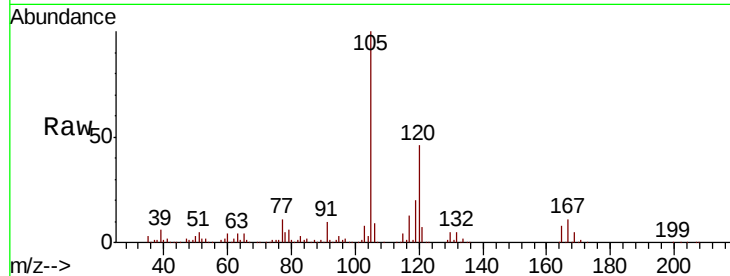




#80
 1,2,4-Trimethylbenzene
 Concen: 19.594 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

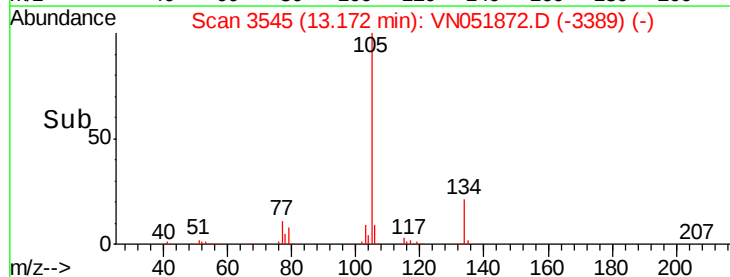
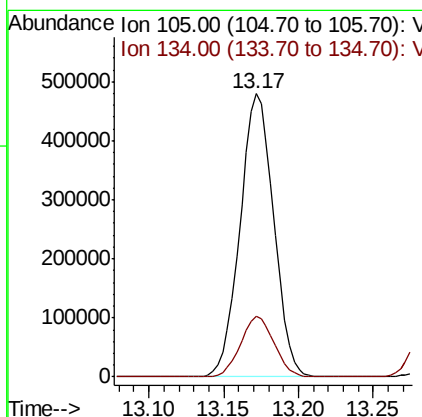
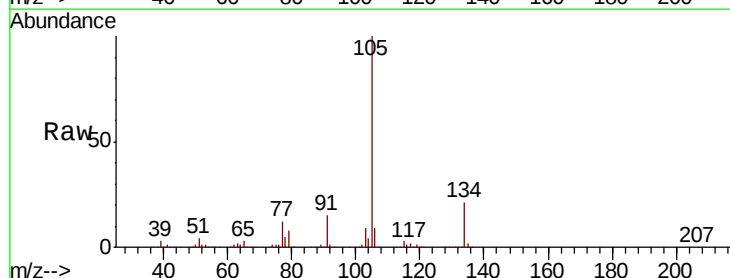
Instrument :
 MSVOA_N
 ClientSampled :

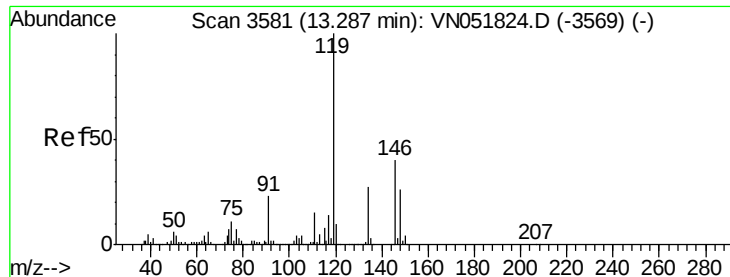
Tot Ion:105 Resp: 627568
 Ion Ratio Lower Upper
 105 100
 120 45.9 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 19.458 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion:105 Resp: 750160
 Ion Ratio Lower Upper
 105 100
 134 21.4 0.0 39.4

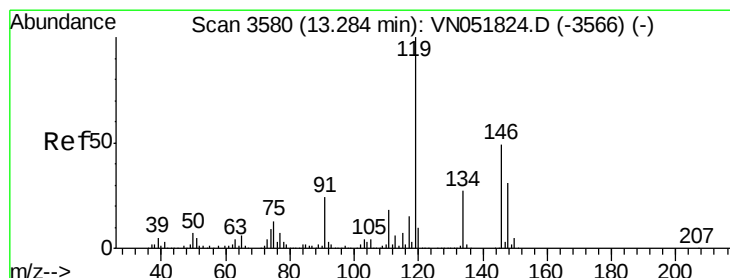
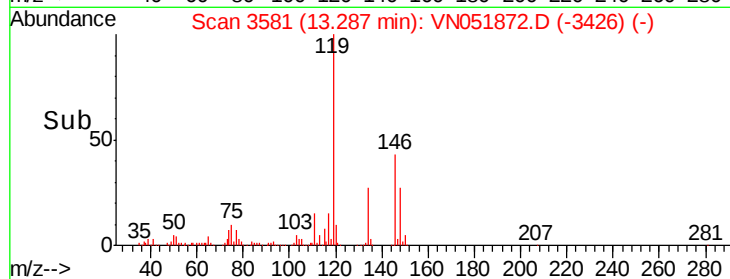
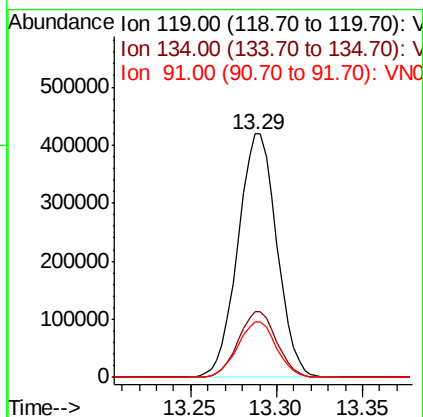
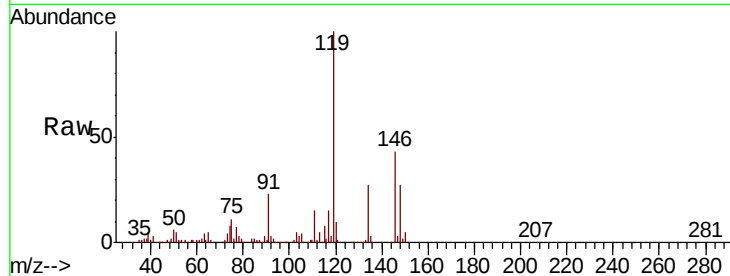




#82
 p-Isopropyltoluene
 Concen: 19.037 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

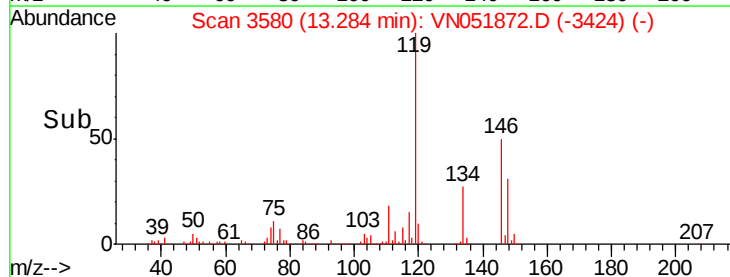
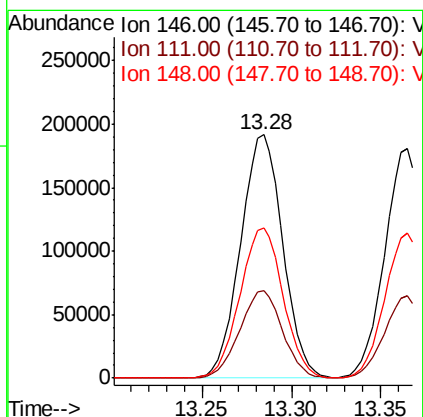
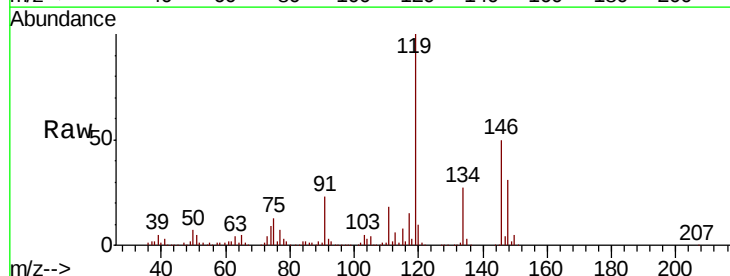
Instrument :
 MSVOA_N
 ClientSampled :

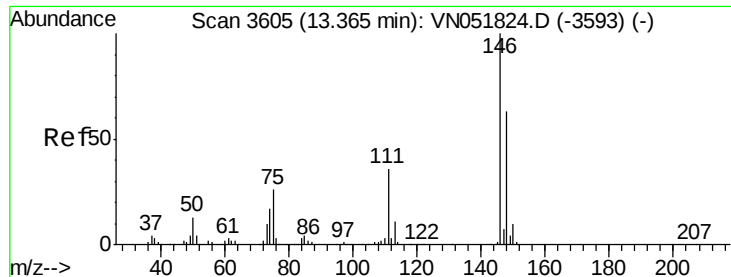
Tot Ion:119 Resp: 656763
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.6
 91 22.9 0.0 52.0



#83
 1,3-Dichlorobenzene
 Concen: 18.704 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Tgt Ion:146 Resp: 316800
 Ion Ratio Lower Upper
 146 100
 111 36.2 18.1 54.3
 148 63.0 31.3 93.8

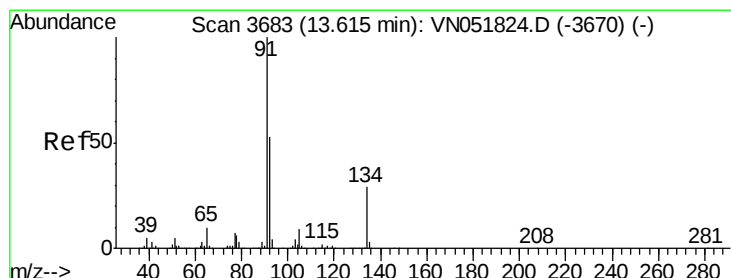
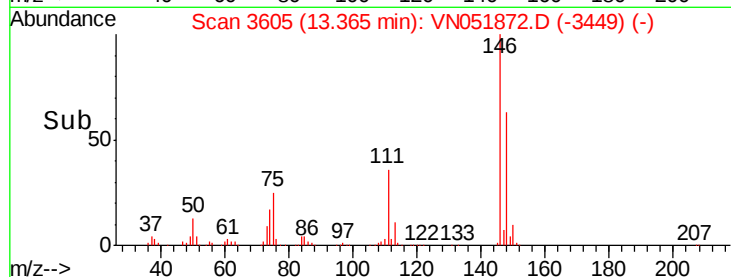
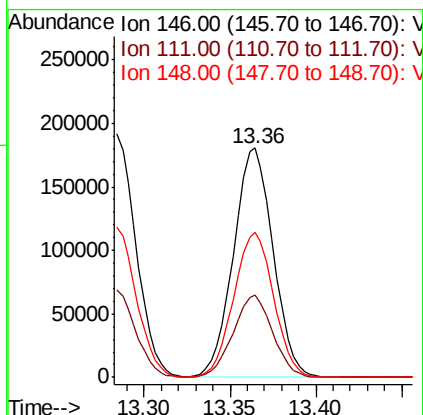
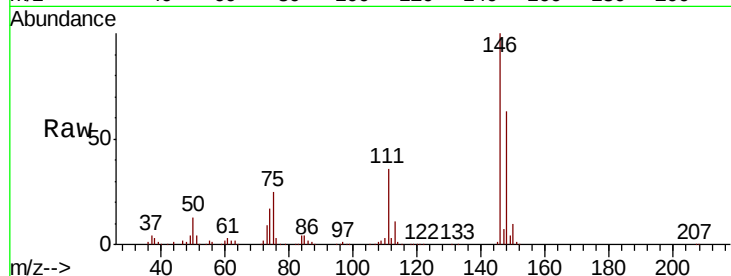




#84
1,4-Dichlorobenzene
Concen: 18.151 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

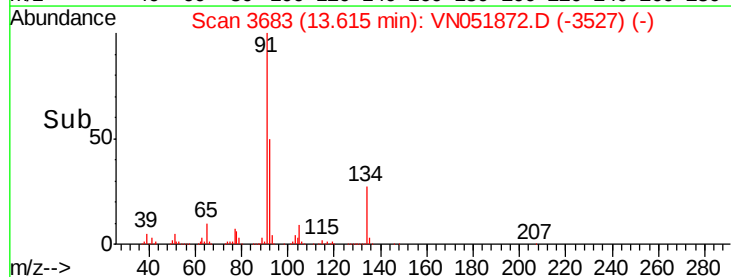
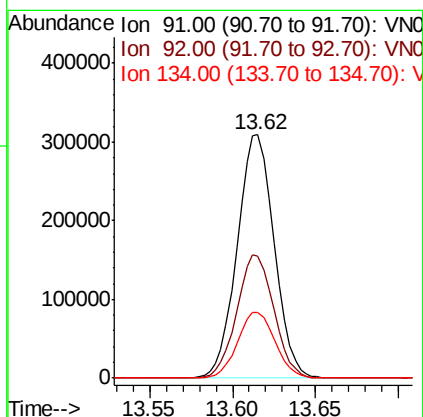
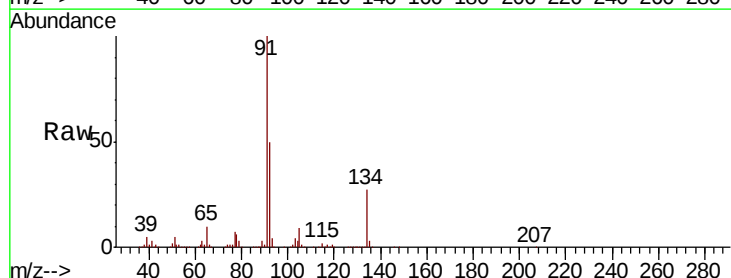
Instrument :
MSVOA_N
ClientSampled :

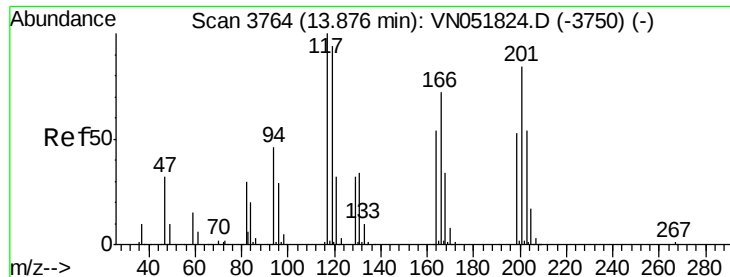
Tot Ion:146 Resp: 289433
Ion Ratio Lower Upper
146 100
111 35.8 17.4 52.2
148 63.7 32.8 98.3



#85
n-Butylbenzene
Concen: 18.420 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion: 91 Resp: 479184
Ion Ratio Lower Upper
91 100
92 50.8 0.0 97.4
134 27.5 0.0 49.6

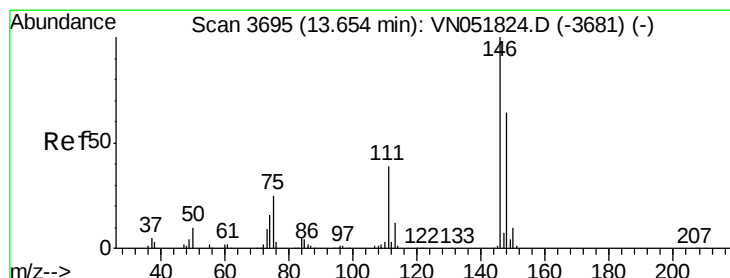
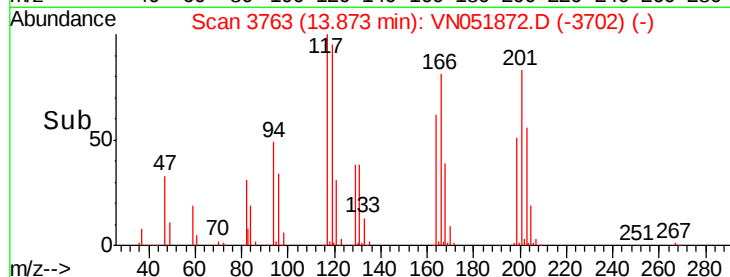
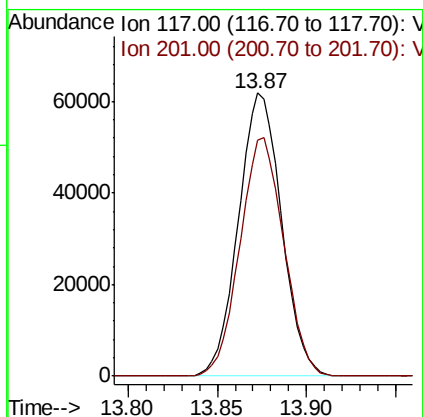
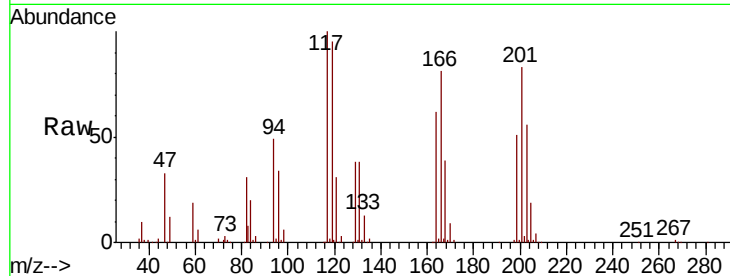




#86
Hexachloroethane
Concen: 17.505 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

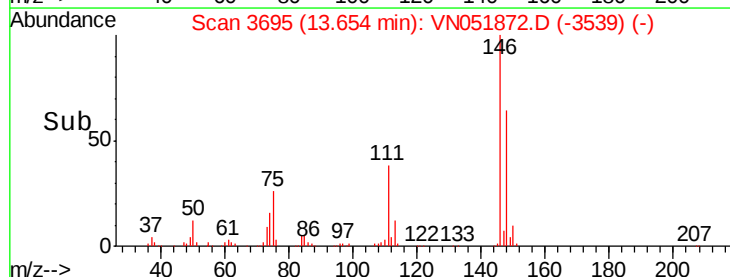
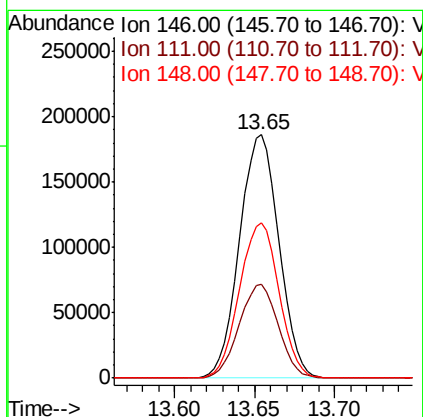
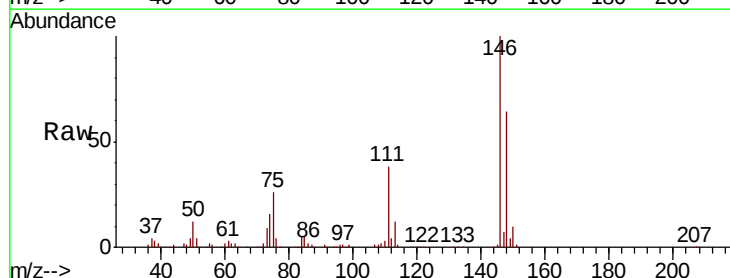
Instrument :
MSVOA_N
ClientSampleId :

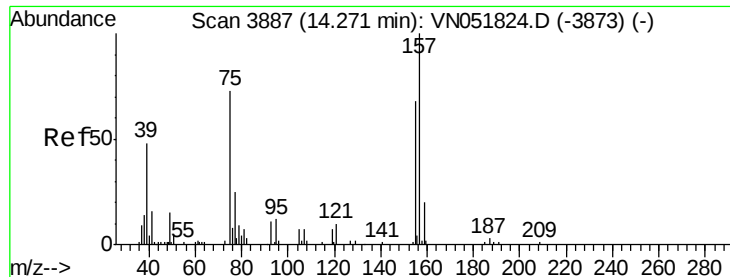
Tot Ion:117 Resp: 104131
Ion Ratio Lower Upper
117 100
201 85.6 47.8 143.3



#87
1,2-Dichlorobenzene
Concen: 19.118 ug/l
RT: 13.65 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VN051872.D
Acq: 15 Oct 2018 14:22

Tgt Ion:146 Resp: 313502
Ion Ratio Lower Upper
146 100
111 38.3 20.8 62.2
148 63.9 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 19.108 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampled :

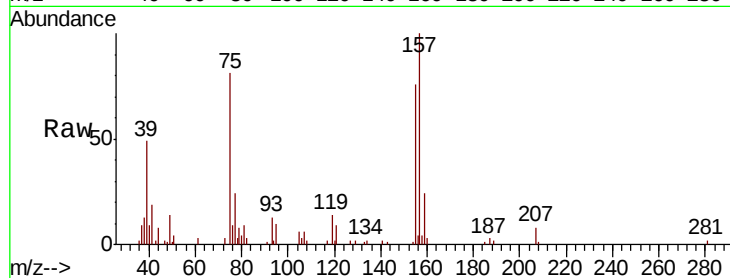
Tot Ion: 75 Resp: 21839

Ion Ratio Lower Upper

75 100

155 96.5 57.0 85.6#

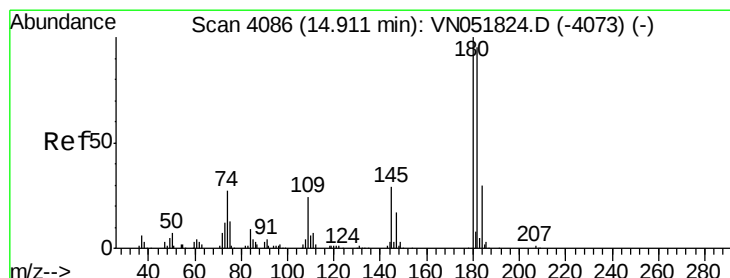
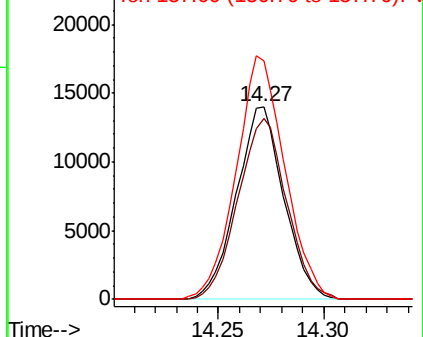
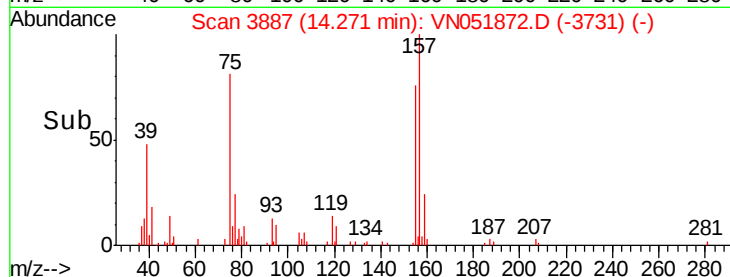
157 129.9 87.4 131.0



Abundance Ion 75.00 (74.70 to 75.70): VN051872.D (-3930) (-)

Ion 155.00 (154.70 to 155.70): VN051872.D (-3930) (-)

Ion 157.00 (156.70 to 157.70): VN051872.D (-3930) (-)



#89

1,2,4-Trichlorobenzene

Concen: 18.960 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

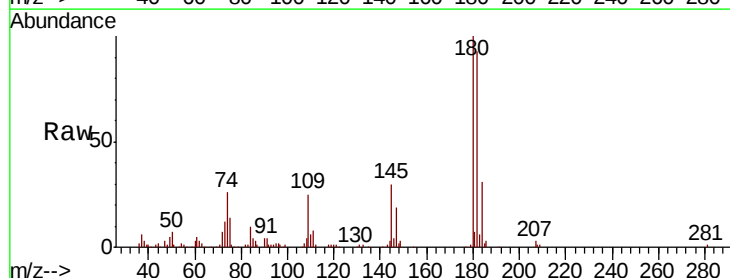
Tgt Ion: 180 Resp: 121569

Ion Ratio Lower Upper

180 100

182 95.4 77.7 116.5

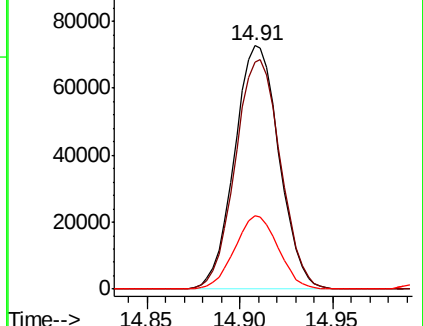
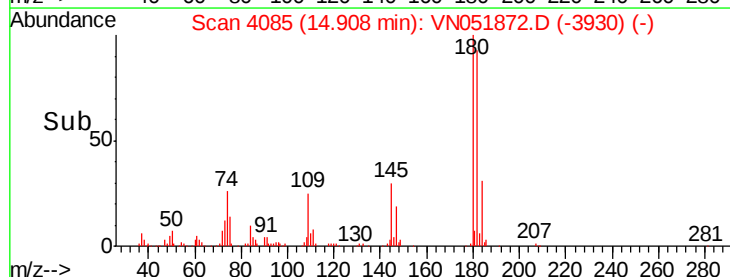
145 29.4 23.4 35.2

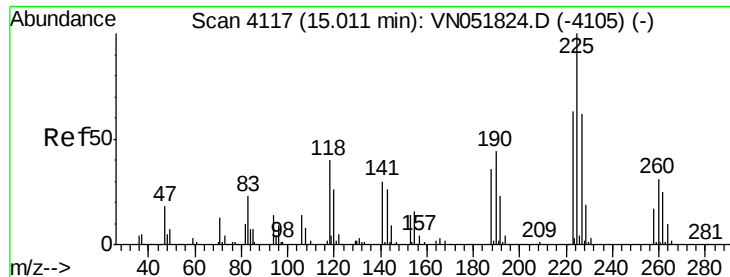


Abundance Ion 180.00 (179.70 to 180.70): VN051872.D (-3930) (-)

Ion 182.00 (181.70 to 182.70): VN051872.D (-3930) (-)

Ion 145.00 (144.70 to 145.70): VN051872.D (-3930) (-)





#90

Hexachlorobutadiene

Concen: 19.277 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

Instrument :

MSVOA_N

ClientSampleId :

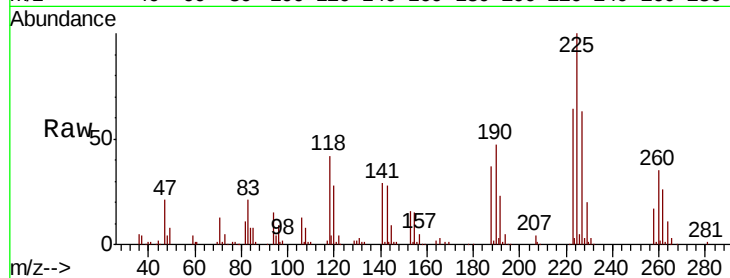
Tot Ion:225 Resp: 101871

Ion Ratio Lower Upper

225 100

223 62.7 0.0 117.0

227 64.1 0.0 127.0

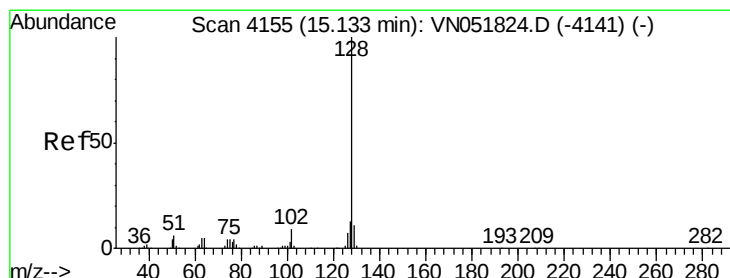
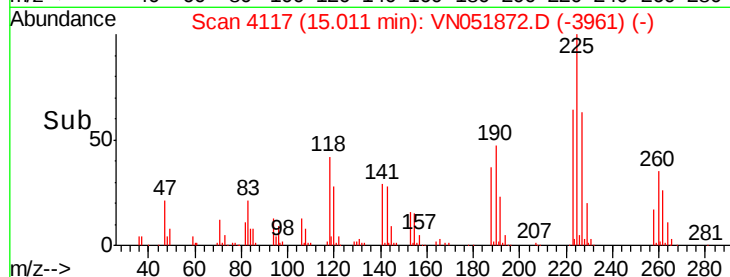
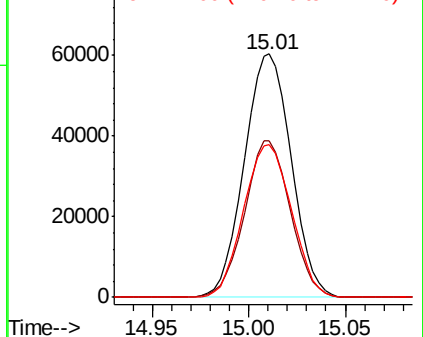


Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V



#91

Naphthalene

Concen: 19.151 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051872.D

Acq: 15 Oct 2018 14:22

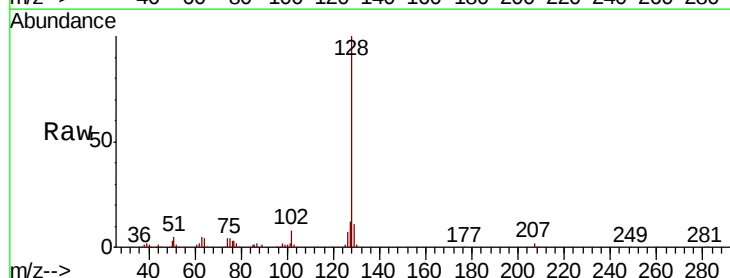
Tgt Ion:128 Resp: 238143

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

129 11.1 8.4 12.6

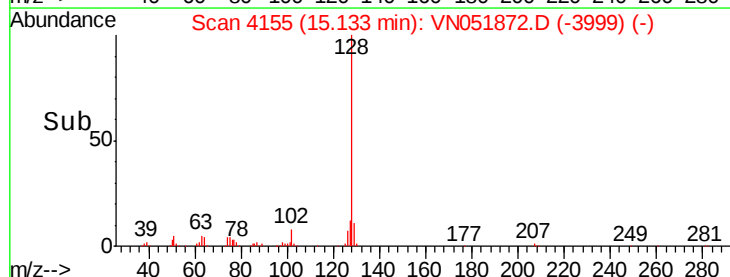
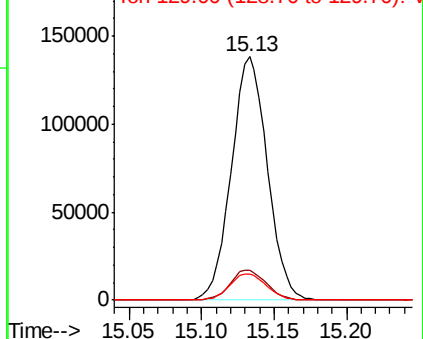


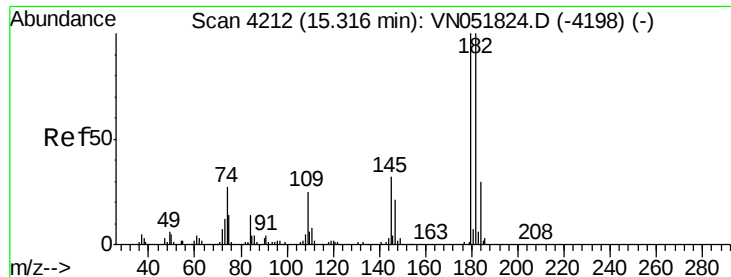
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#92
 1,2,3-Trichlorobenzene
 Concen: 17.921 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051872.D
 Acq: 15 Oct 2018 14:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	180	Resp:	133701
Ion	Ratio	Lower	Upper
180	100		
182	96.3	0.0	198.0
145	31.5	0.0	36.8

