

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051972.D
 Acq On : 23 Oct 2018 19:32
 Operator : MD\SY
 Sample : VN1023WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 07:30:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	161117	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	909881	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	821010	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	288589	29.44	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.13%
60) 4-Bromofluorobenzene	12.40	95	348969	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.09	98	1060328	29.74	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.13%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	133926	21.396	ug/l 98
3) Chloromethane	2.06	50	118347	17.890	ug/l 96
4) Vinyl Chloride	2.19	62	149628	15.146	ug/l 97
5) Bromomethane	2.57	94	152126	17.428	ug/l 83
6) Chloroethane	2.71	64	116647	16.384	ug/l 98
7) Trichlorofluoromethane	3.03	101	280973	19.949	ug/l 96
8) Diethyl Ether	3.41	74	82070	20.016	ug/l 68
9) 1,1,2-Trichlorotrifluoroet	3.77	101	164573	20.517	ug/l # 35
10) 1,1-Dichloroethene	3.74	96	153530	20.697	ug/l # 79
11) Methyl Iodide	3.96	142	247841	22.983	ug/l 95
12) Methyl Acetate	4.33	43	87810	19.063	ug/l 95
13) Acrolein	3.61	56	4225	13.921	ug/l # 17
14) Acrylonitrile	4.99	53	186857	90.763	ug/l # 59
15) Acetone	3.82	58	42653	83.810	ug/l 92
16) Carbon Disulfide	4.06	76	336940	17.295	ug/l 96
17) Allyl chloride	4.33	41	142458	16.176	ug/l 73
18) Methylene Chloride	4.55	84	172215	20.764	ug/l 87
19) trans-1,2-Dichloroethene	5.05	96	168179	19.855	ug/l # 78
20) Diisopropyl ether	5.95	45	367590	18.741	ug/l # 85
21) 1,1-Dichloroethane	5.85	63	267165	19.494	ug/l # 97
22) cis-1,2-Dichloroethene	6.83	96	199489	20.051	ug/l # 79
23) tert-Butyl Alcohol	4.77	59	34710	64.016	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	389334	18.217	ug/l # 65
25) Chloroform	7.37	83	329765	20.282	ug/l 98
26) Cyclohexane	7.66	56	208973	17.985	ug/l # 71
29) 1,1-Dichloropropene	7.80	75	221039	18.846	ug/l 93
30) 2-Butanone	6.84	43	199630	81.436	ug/l # 84
32) 1,1,1-Trichloroethane	7.57	97	303494	19.518	ug/l # 93
33) Carbon Tetrachloride	7.78	117	258425	18.370	ug/l 92
34) Benzene	8.04	78	686465	19.787	ug/l # 65
35) Methacrylonitrile	7.18	41	51449	15.975	ug/l 82
36) 1,2-Dichloroethane	8.13	62	221200	19.899	ug/l 97
37) Trichloroethene	8.84	130	216824	20.133	ug/l 97
38) Methylcyclohexane	9.08	83	267330	17.771	ug/l 78
39) 1,2-Dichloropropane	9.12	63	158071	19.347	ug/l 93
40) Dibromomethane	9.21	93	120769	19.916	ug/l 94
41) Bromodichloromethane	9.40	83	230714	18.420	ug/l 95

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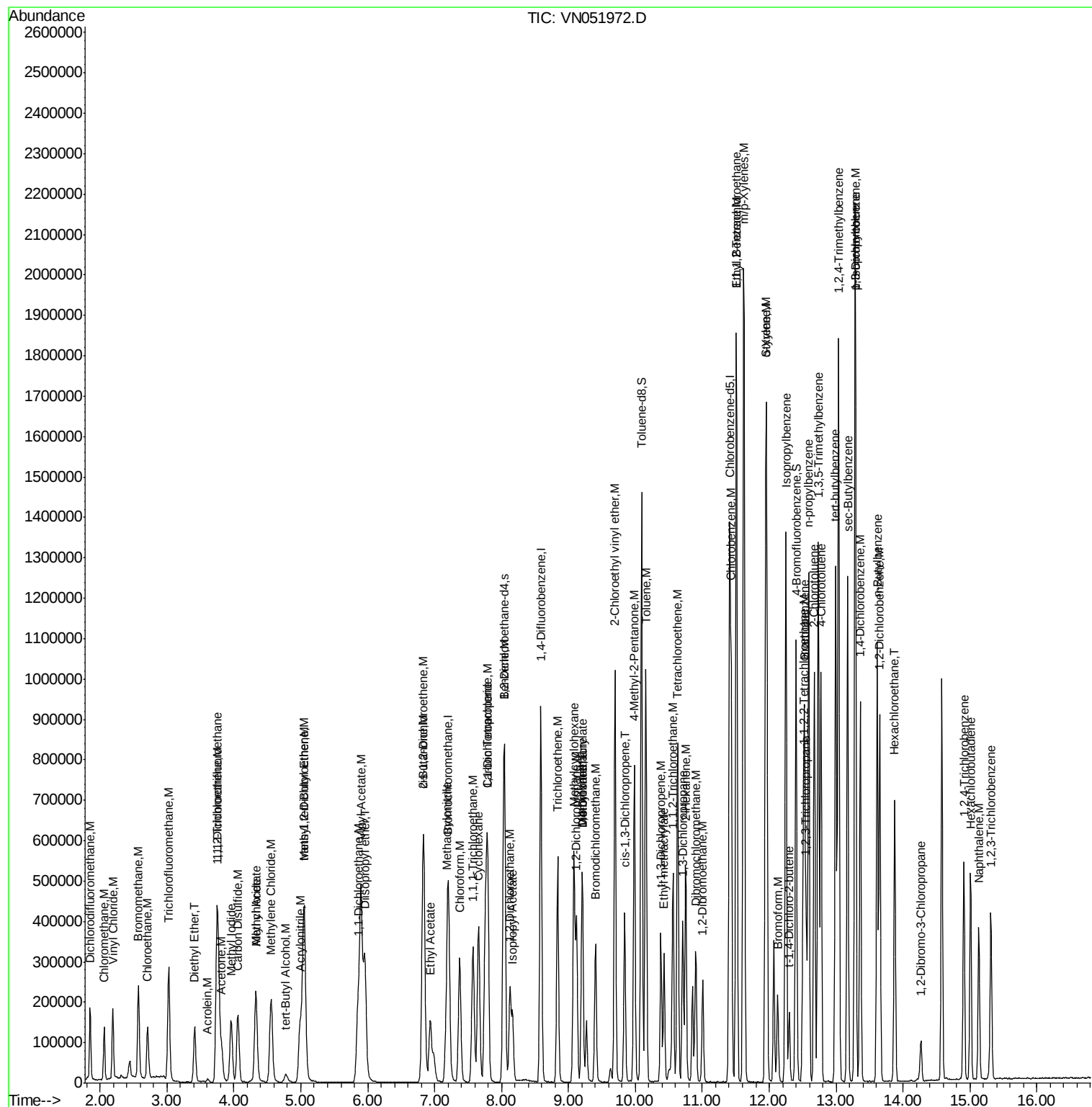
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Vinyl Acetate	5.90	43	1191680	86.356	ug/l #	89
43) Ethyl Acetate	6.93	43	89934	16.896	ug/l	99
44) Isopropyl Acetate	8.17	43	175678	16.524	ug/l	96
45) 1,4-Dioxane	9.20	88	25981	304.339	ug/l #	74
46) Methyl methacrylate	9.20	41	85745	17.485	ug/l	72
48) t-1,3-Dichloropropene	10.38	75	203521	16.663	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	241697	17.951	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	166139	19.830	ug/l	94
51) Ethyl methacrylate	10.43	69	172032	17.935	ug/l	85
52) 1,3-Dichloropropane	10.71	76	254041	19.647	ug/l	98
53) Dibromochloromethane	10.90	129	178602	17.232	ug/l	96
54) 1,2-Dibromoethane	11.01	107	169780	19.306	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	469033	114.386	ug/l #	93
56) Bromoform	12.13	173	102731	15.029	ug/l #	93
58) 4-Methyl-2-Pentanone	9.99	43	471957	85.902	ug/l #	85
59) 2-Hexanone	10.75	43	315567	85.137	ug/l	90
61) Tetrachloroethene	10.63	164	203466	19.379	ug/l	97
62) Toluene	10.16	91	807122	19.789	ug/l	97
64) Chlorobenzene	11.43	112	541070	20.256	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	193058	18.830	ug/l	99
66) Ethyl Benzene	11.51	91	888582	19.712	ug/l	99
67) m/p-Xylenes	11.62	106	720882	39.446	ug/l	95
68) o-Xylene	11.95	106	347725	19.301	ug/l	90
69) Styrene	11.96	104	551654	19.957	ug/l	96
70) Isopropylbenzene	12.25	105	930898	19.376	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	180159	18.988	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	206014	27.601	ug/l	81
73) Bromobenzene	12.53	156	251065	21.098	ug/l	77
74) n-propylbenzene	12.59	91	1008624	19.517	ug/l	94
75) 2-Chlorotoluene	12.67	91	585250	19.317	ug/l	91
76) 1,3,5-Trimethylbenzene	12.73	105	756966	19.053	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	34895	14.136	ug/l	93
78) 4-Chlorotoluene	12.77	91	601288	20.200	ug/l	91
79) tert-butylbenzene	12.99	119	697629	19.094	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	768198	19.347	ug/l	97
81) sec-Butylbenzene	13.17	105	900439	18.840	ug/l	96
82) p-Isopropyltoluene	13.29	119	805376	18.831	ug/l	96
83) 1,3-Dichlorobenzene	13.28	146	439568	20.934	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	427645	21.633	ug/l	99
85) n-Butylbenzene	13.61	91	609100	18.886	ug/l	94
86) Hexachloroethane	13.87	117	110142	14.935	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	414950	20.412	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20385	14.387	ug/l #	61
89) 1,2,4-Trichlorobenzene	14.91	180	179862	21.133	ug/l	99
90) Hexachlorobutadiene	15.01	225	100810	15.388	ug/l	96
91) Naphthalene	15.13	128	340580	20.782	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	149281	16.140	ug/l	93

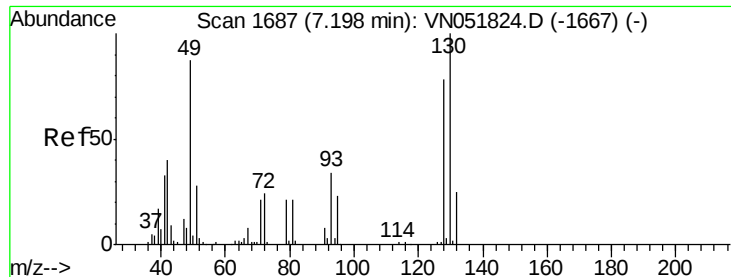
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :

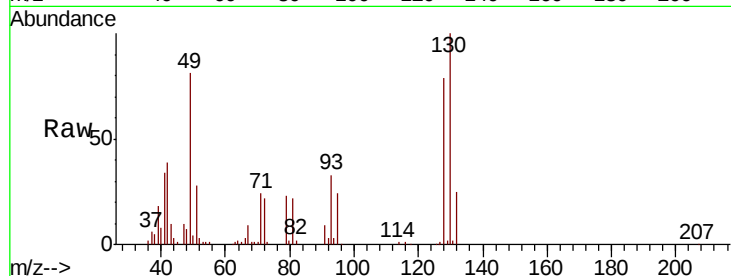
Tot Ion:128 Resp: 161117

Ion Ratio Lower Upper

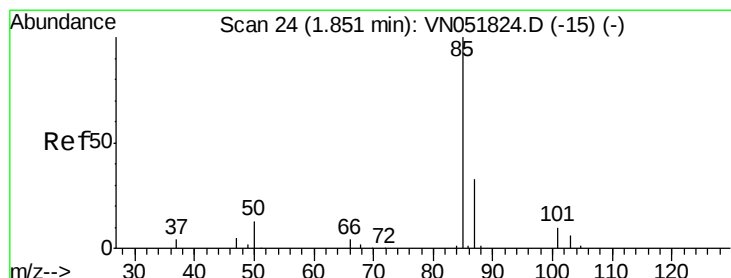
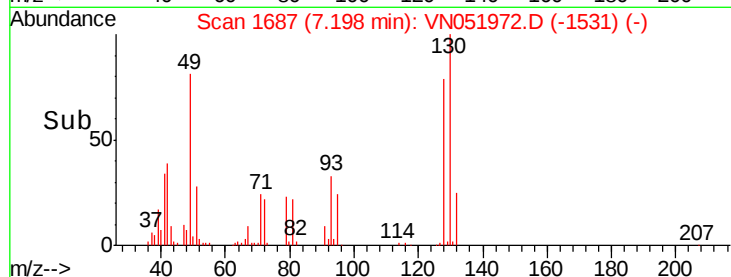
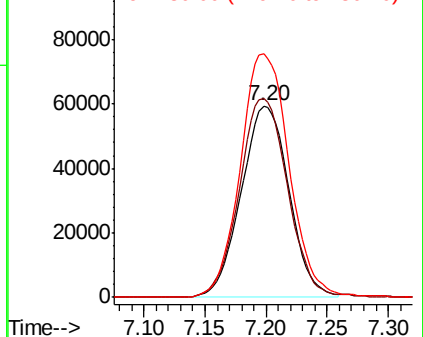
128 100

49 104.2 0.0 403.3

130 130.1 0.0 326.0



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



#2

Dichlorodifluoromethane

Concen: 21.396 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051972.D

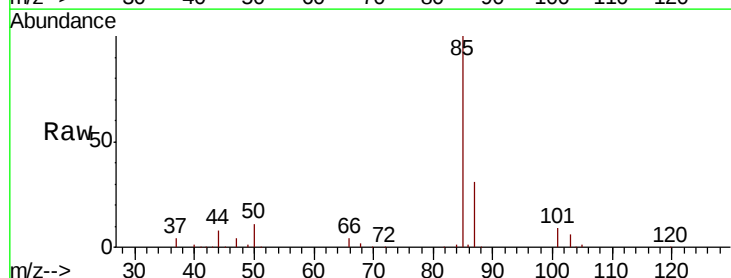
Acq: 23 Oct 2018 19:32

Tgt Ion: 85 Resp: 133926

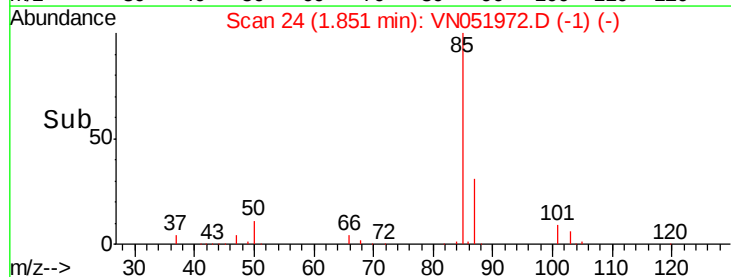
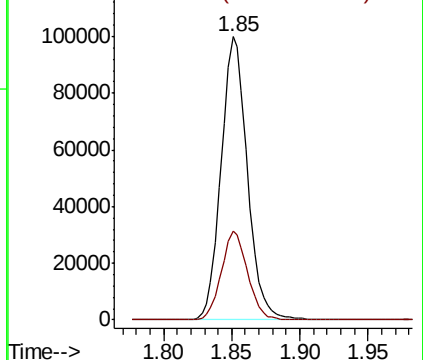
Ion Ratio Lower Upper

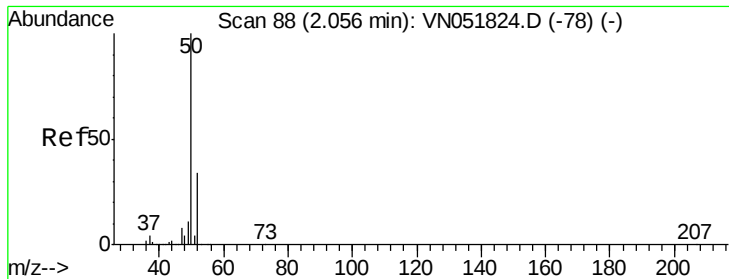
85 100

87 31.2 16.3 48.8



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





#3

Chloromethane

Concen: 17.890 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

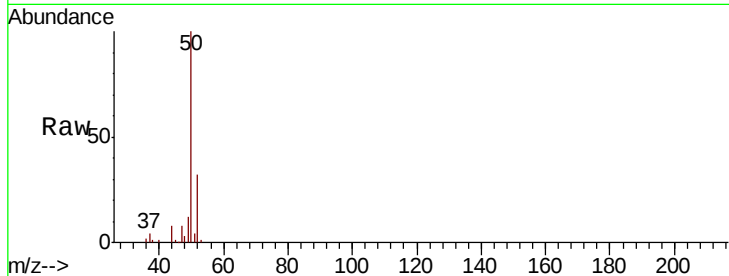
ClientSampleId :

Tot Ion: 50 Resp: 118347

Ion Ratio Lower Upper

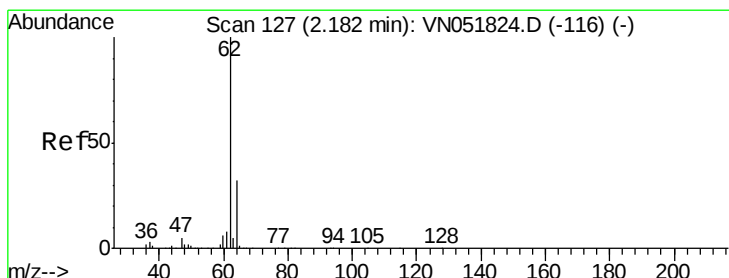
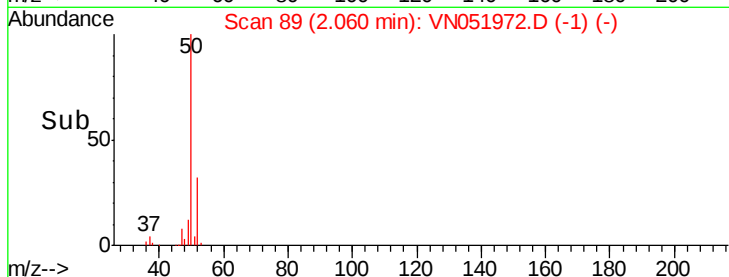
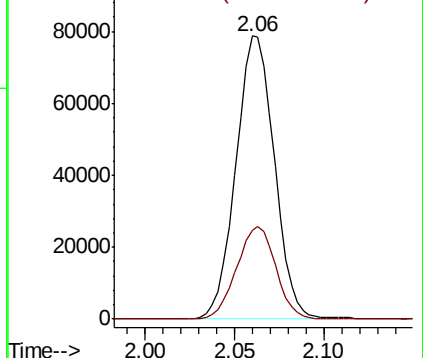
50 100

52 31.6 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN051824.D (-78) (-)

Ion 52.00 (51.70 to 52.70): VN051824.D (-78) (-)



#4

Vinyl Chloride

Concen: 15.146 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051972.D

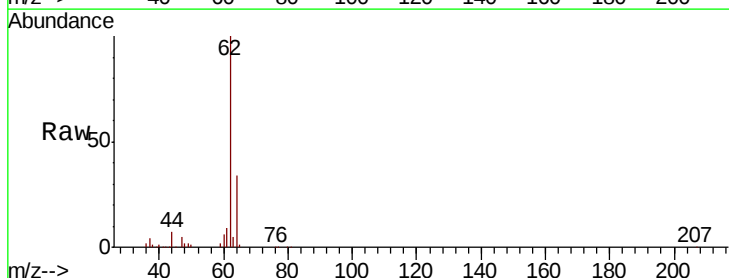
Acq: 23 Oct 2018 19:32

Tgt Ion: 62 Resp: 149628

Ion Ratio Lower Upper

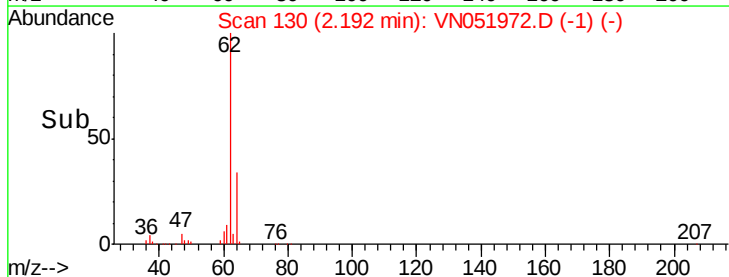
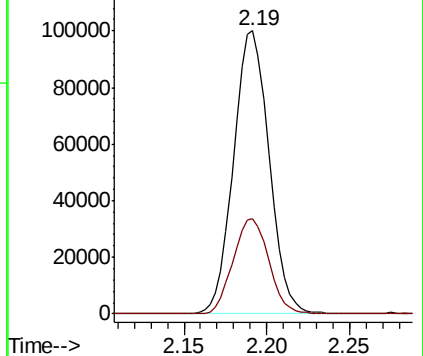
62 100

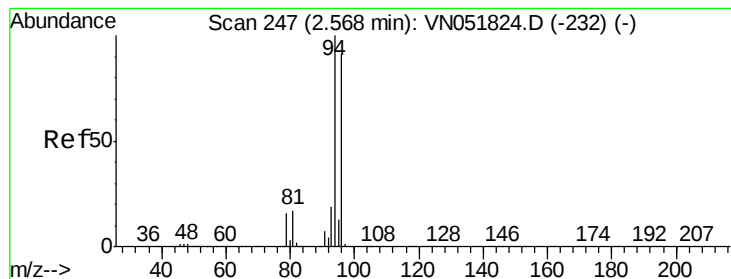
64 33.6 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN051824.D (-116) (-)

Ion 64.00 (63.70 to 64.70): VN051824.D (-116) (-)





#5

Bromomethane

Concen: 17.428 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

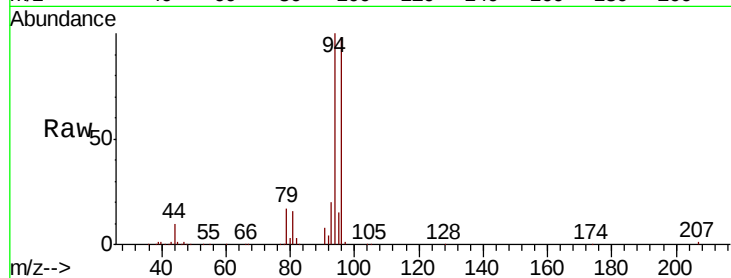
ClientSampleId :

Tot Ion: 94 Resp: 152126

Ion Ratio Lower Upper

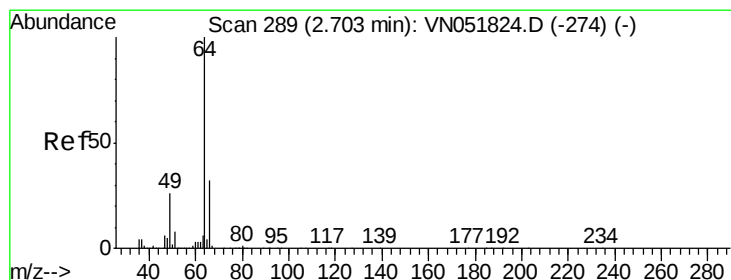
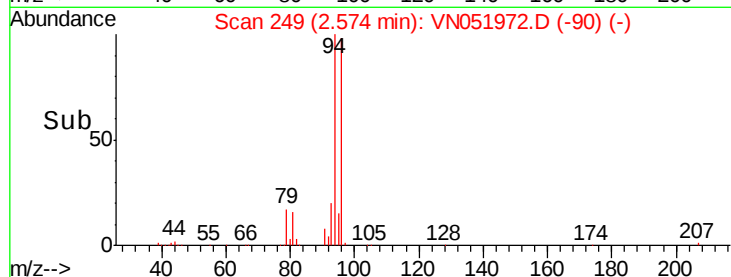
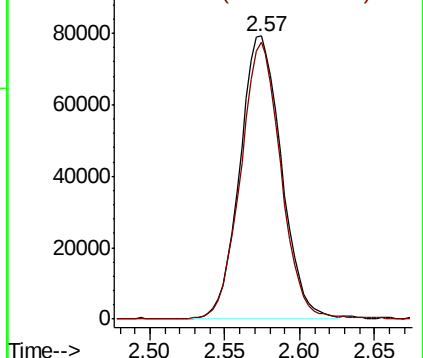
94 100

96 97.9 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN051824.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN051824.D (-232) (-)



#6

Chloroethane

Concen: 16.384 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051972.D

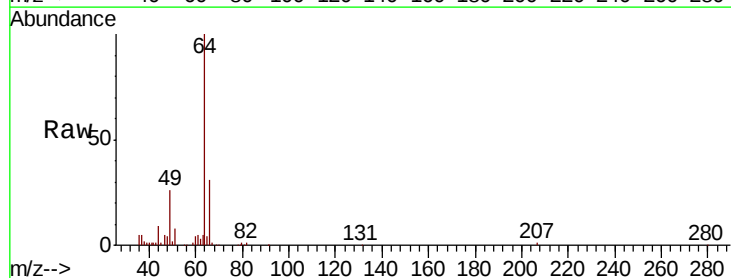
Acq: 23 Oct 2018 19:32

Tgt Ion: 64 Resp: 116647

Ion Ratio Lower Upper

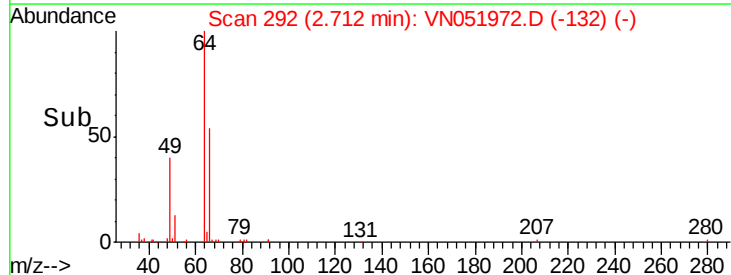
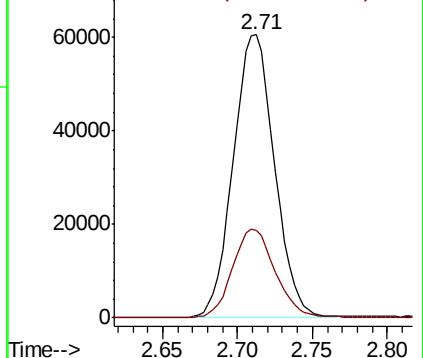
64 100

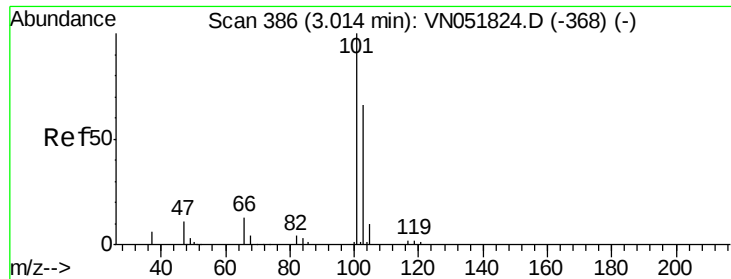
66 31.1 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN051824.D (-274) (-)

Ion 66.00 (65.70 to 66.70): VN051824.D (-274) (-)



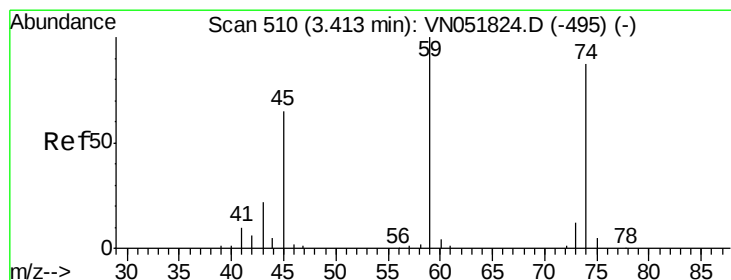
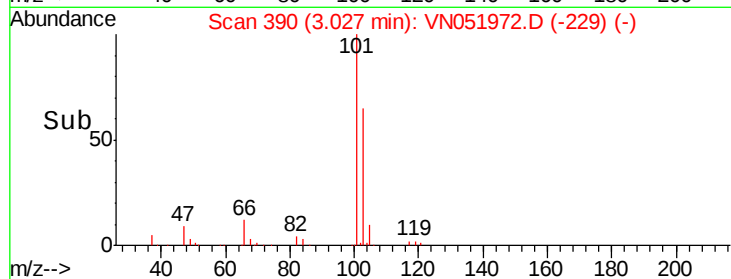
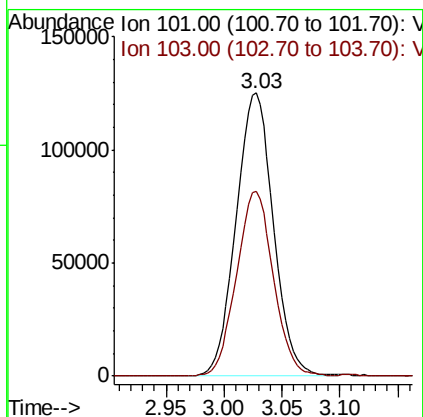
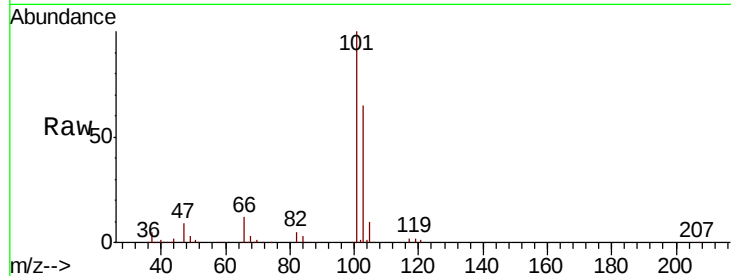


#7

Trichlorofluoromethane
Concen: 19.949 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.02 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :

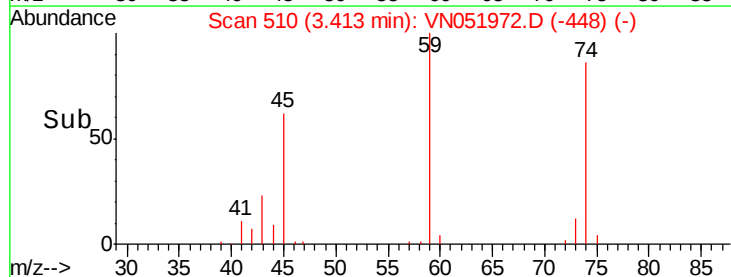
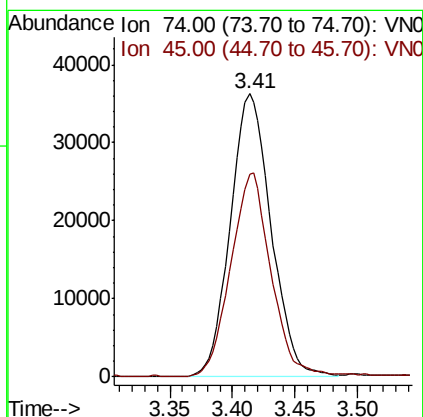
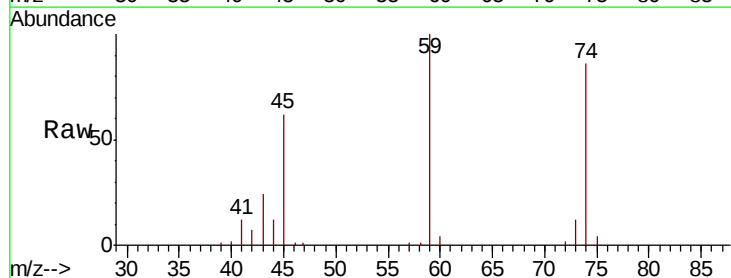
Tot Ion:101 Resp: 280973
Ion Ratio Lower Upper
101 100
103 65.4 54.8 82.2

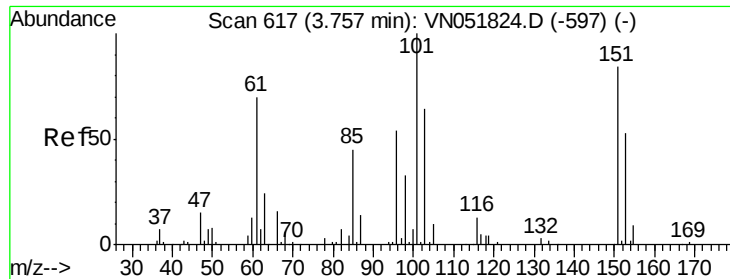


#8

Diethyl Ether
Concen: 20.016 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 74 Resp: 82070
Ion Ratio Lower Upper
74 100
45 70.7 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.517 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

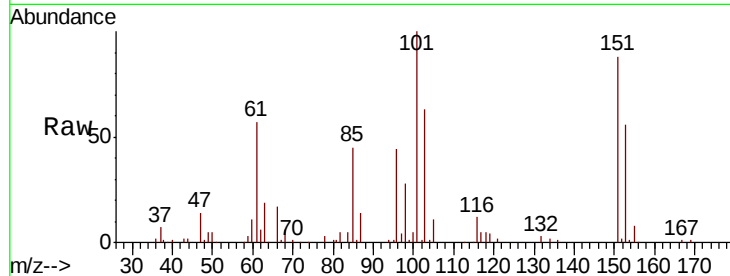
Tot Ion:101 Resp: 164573

Ion Ratio Lower Upper

101 100

85 44.1 0.0 46.0

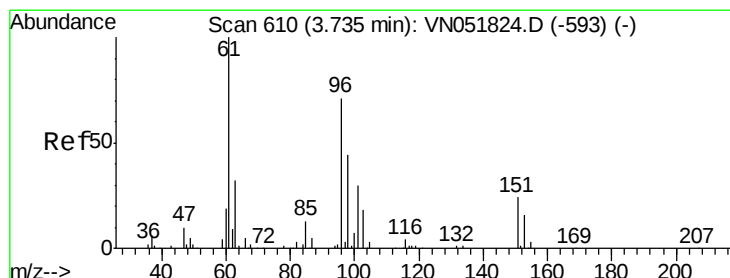
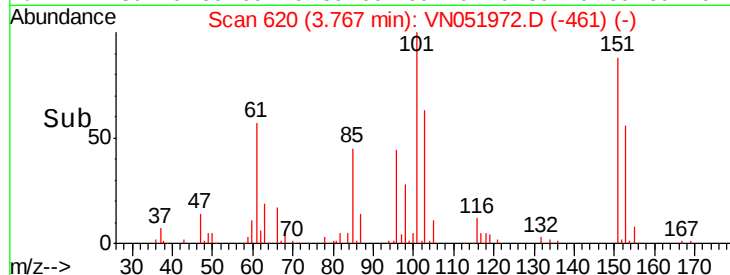
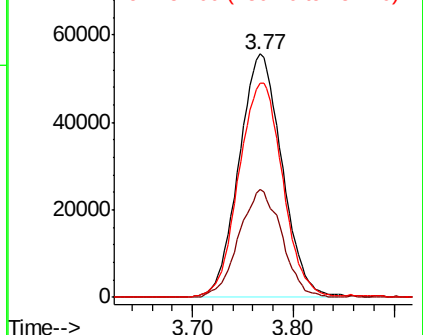
151 89.7 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.697 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

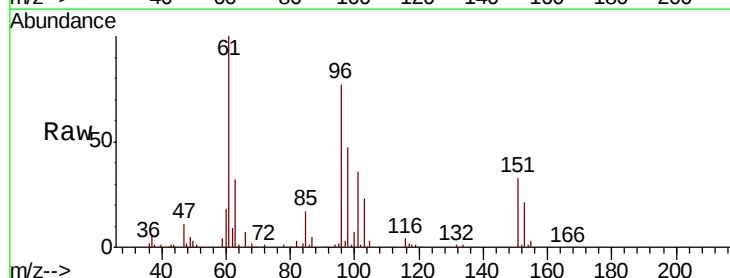
Tgt Ion: 96 Resp: 153530

Ion Ratio Lower Upper

96 100

61 129.5 133.0 199.6#

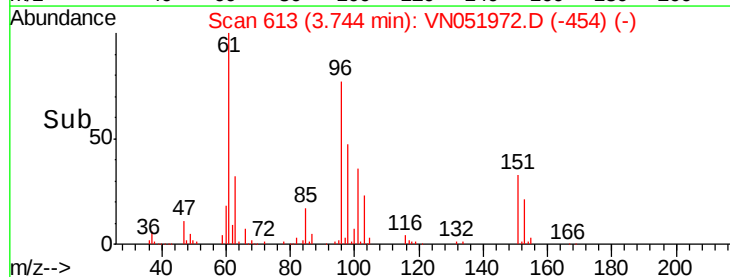
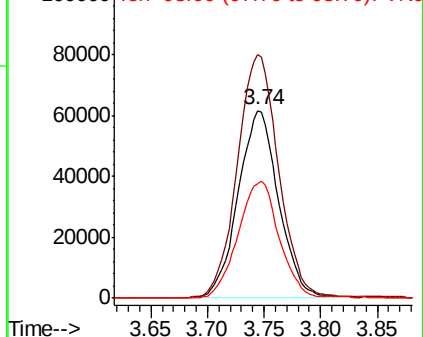
98 60.8 52.6 78.8

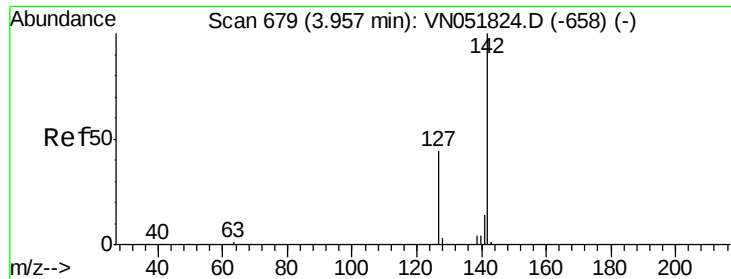


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

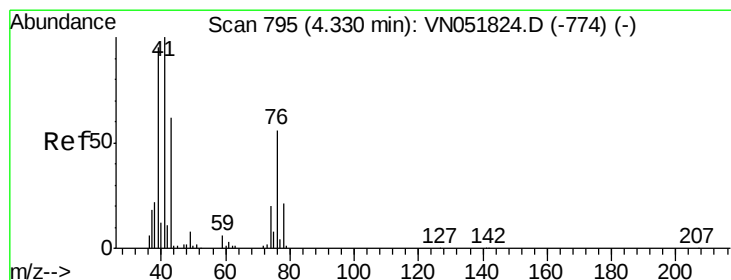
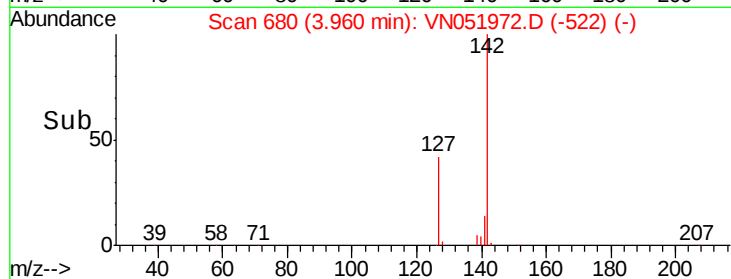
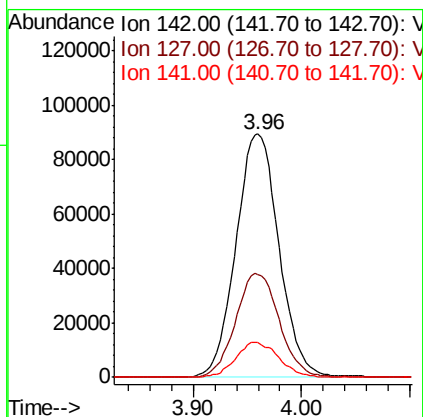
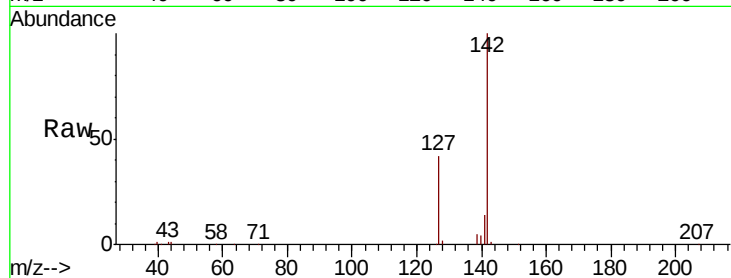




#11
Methyl Iodide
Concen: 22.983 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

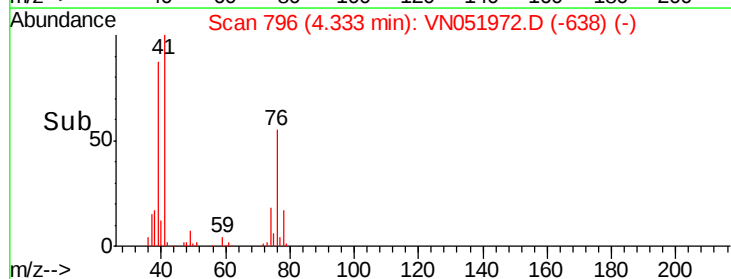
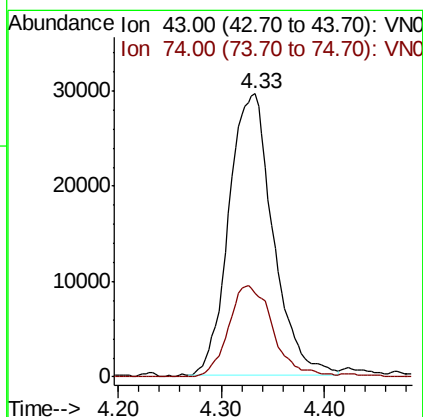
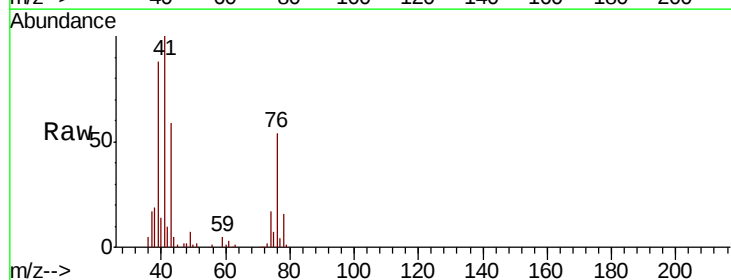
Instrument :
MSVOA_N
ClientSampled :

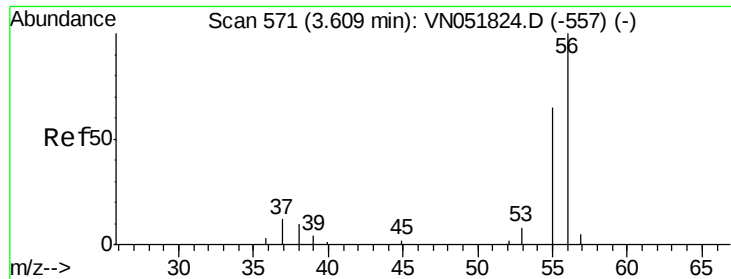
Tot Ion:142 Resp: 247841
Ion Ratio Lower Upper
142 100
127 42.2 19.7 59.0
141 14.2 6.3 18.9



#12
Methyl Acetate
Concen: 19.063 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 43 Resp: 87810
Ion Ratio Lower Upper
43 100
74 29.8 21.8 32.6





#13

Acrolein

Concen: 13.921 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

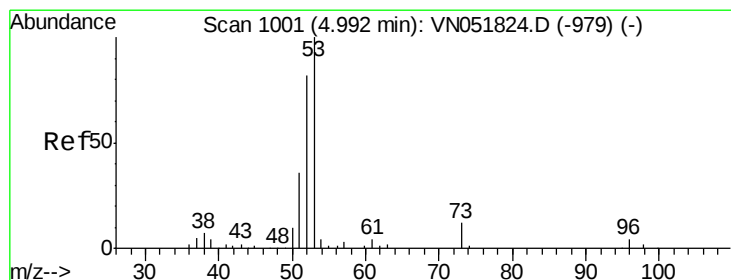
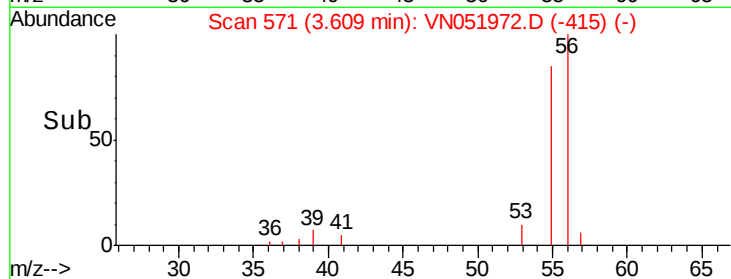
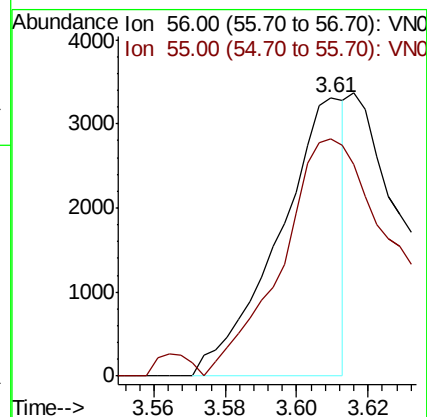
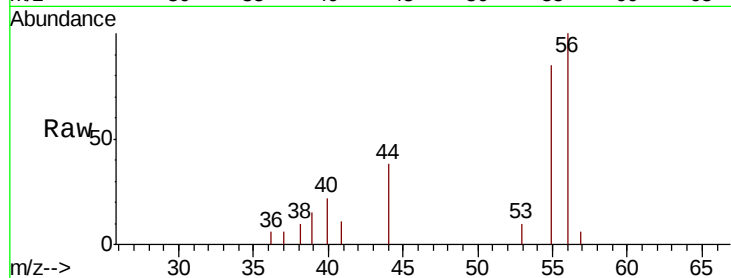
ClientSampleId :

Tot Ion: 56 Resp: 4225

Ion Ratio Lower Upper

56 100

55 152.9 64.0 96.0#



#14

Acrylonitrile

Concen: 90.763 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

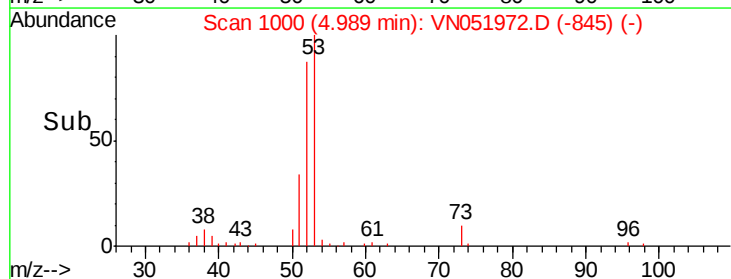
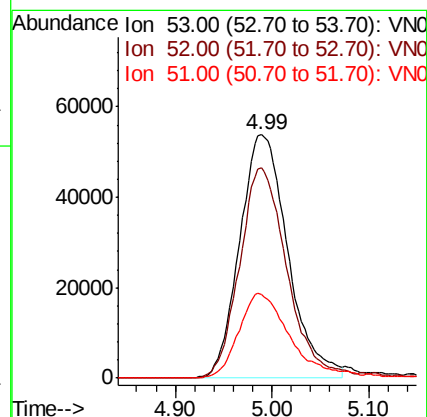
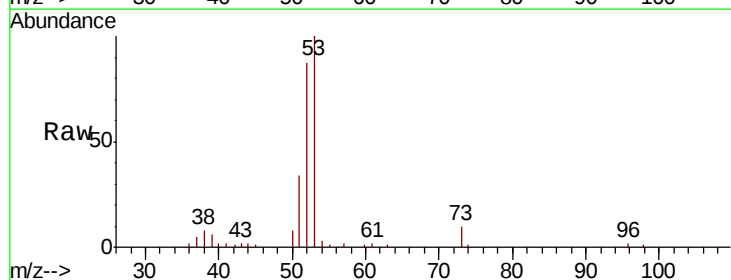
Tgt Ion: 53 Resp: 186857

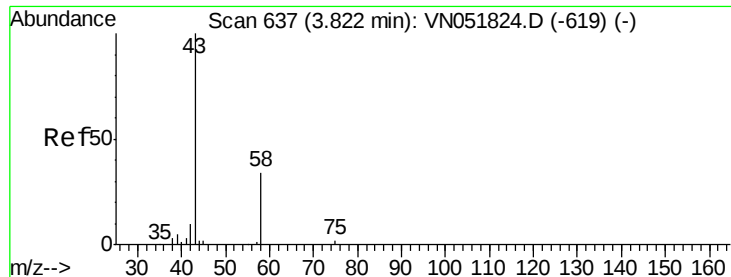
Ion Ratio Lower Upper

53 100

52 84.7 18.3 54.8#

51 36.9 19.7 59.1





#15

Acetone

Concen: 83.810 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

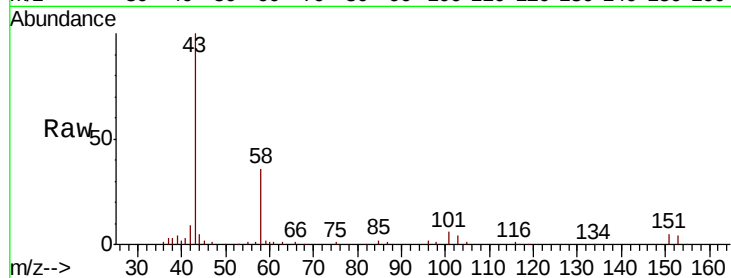
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 58 Resp: 42653

Ion Ratio Lower Upper

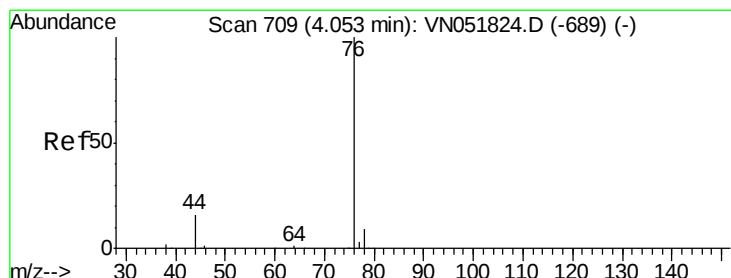
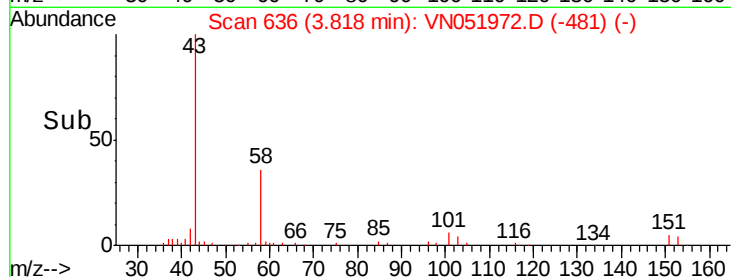
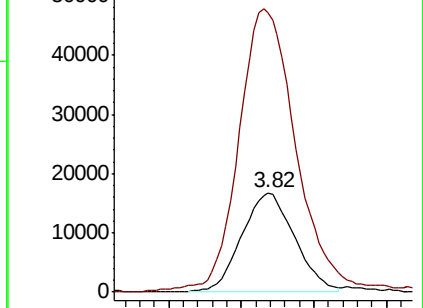
58 100

43 274.9 232.2 348.2



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

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



#16

Carbon Disulfide

Concen: 17.295 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN051972.D

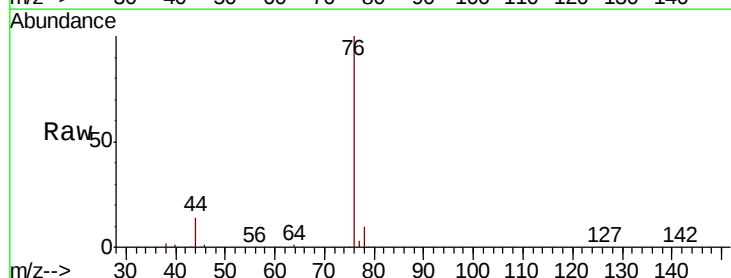
Acq: 23 Oct 2018 19:32

Tgt Ion: 76 Resp: 336940

Ion Ratio Lower Upper

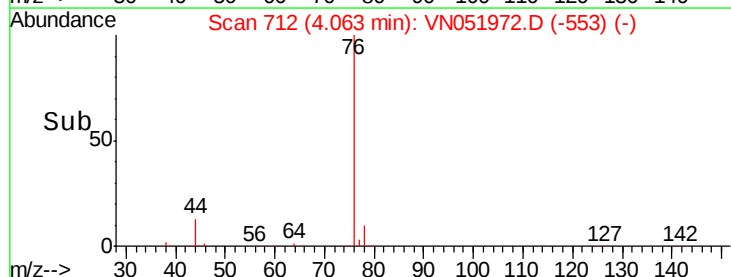
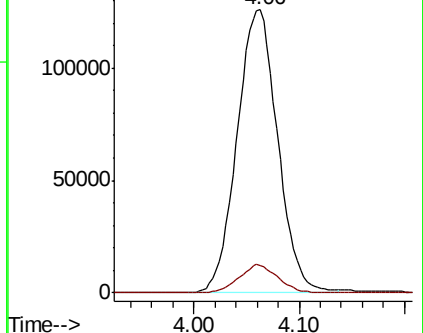
76 100

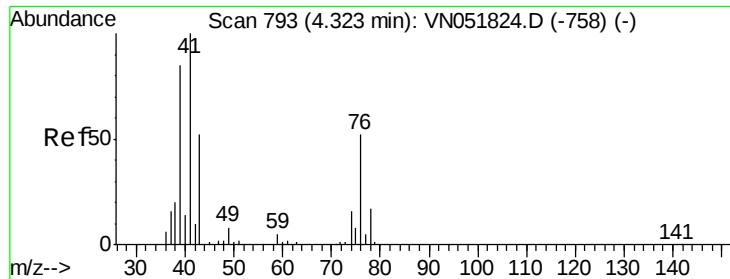
78 9.7 6.7 10.1



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

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

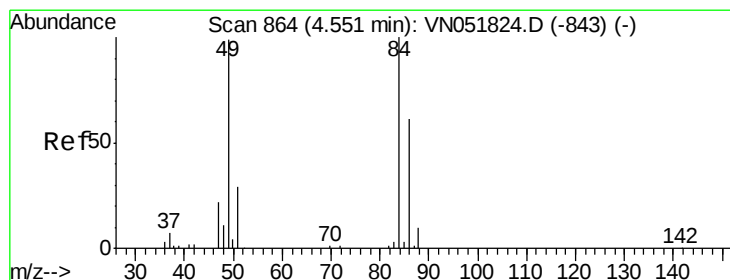
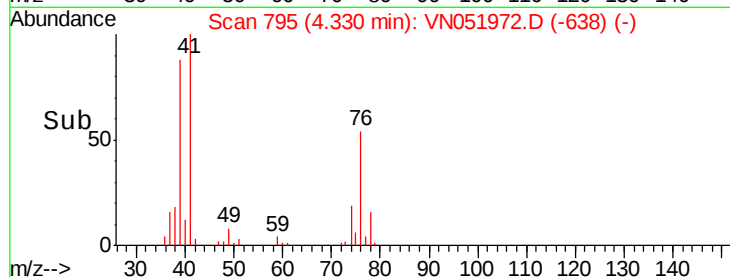
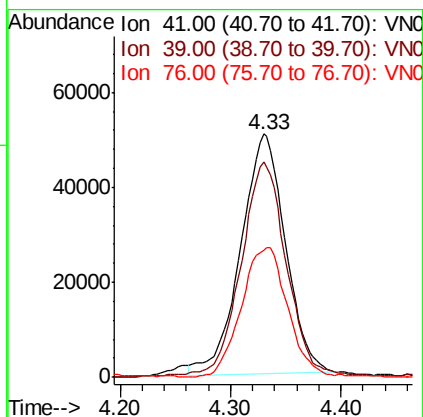
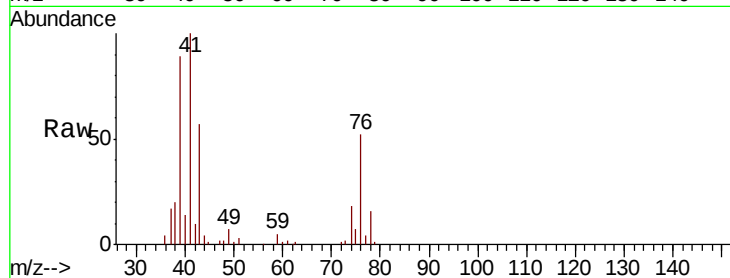




#17
Allvl chloride
Concen: 16.176 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

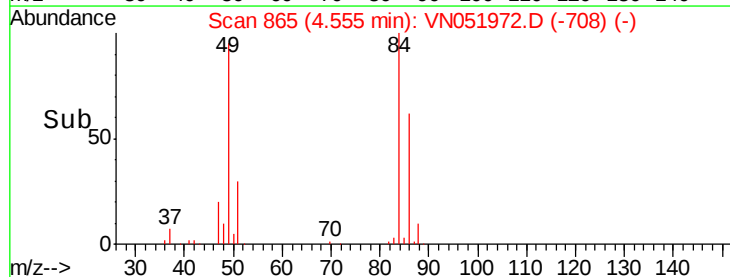
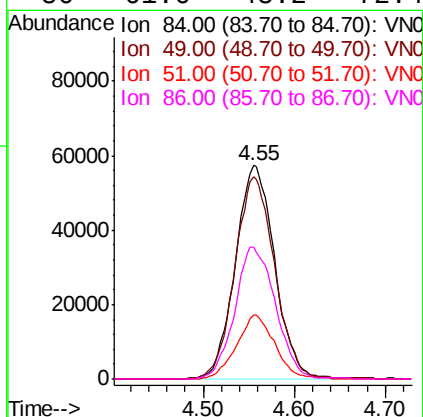
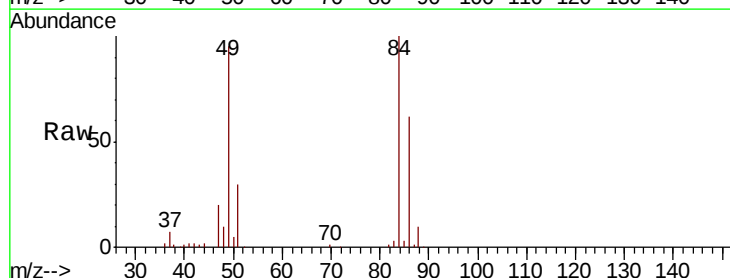
Instrument :
MSVOA_N
ClientSampleId :

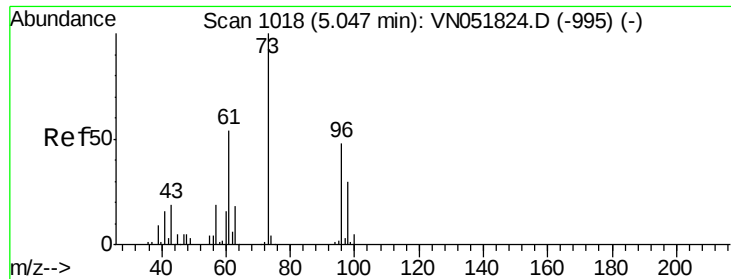
Tot Ion: 41 Resp: 142458
Ion Ratio Lower Upper
41 100
39 88.9 32.6 97.8
76 53.2 20.2 60.5



#18
Methylene Chloride
Concen: 20.764 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 84 Resp: 172215
Ion Ratio Lower Upper
84 100
49 94.2 91.6 137.4
51 30.0 29.8 44.6
86 61.6 48.2 72.4

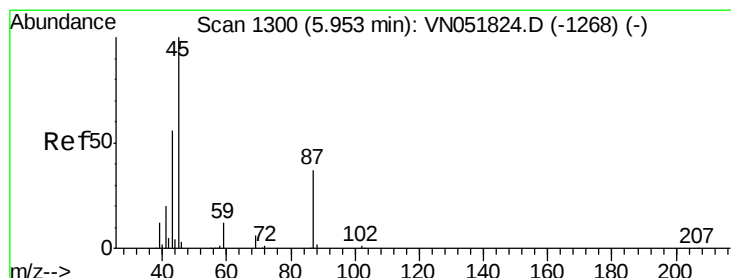
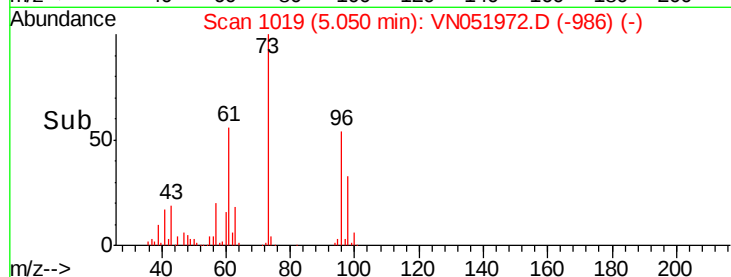
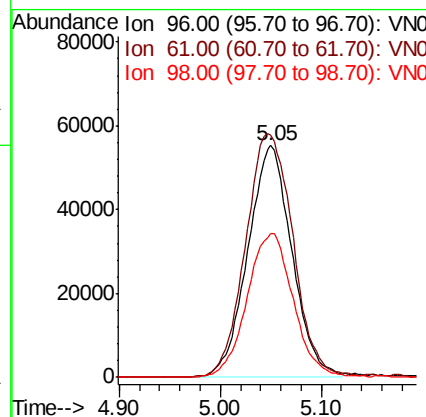
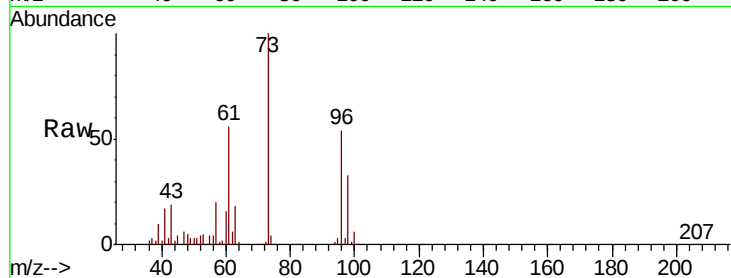




#19
trans-1,2-Dichloroethene
Concen: 19.855 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

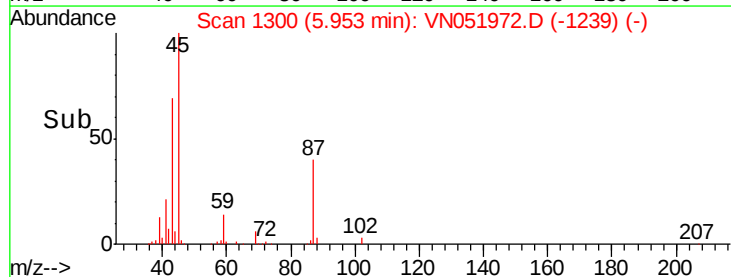
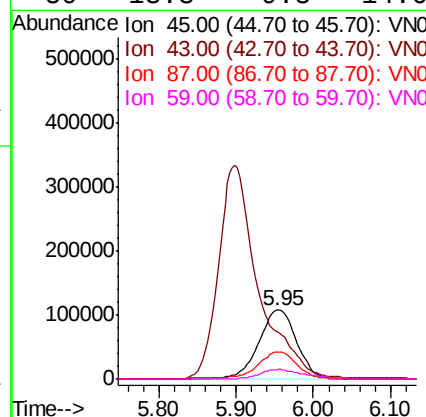
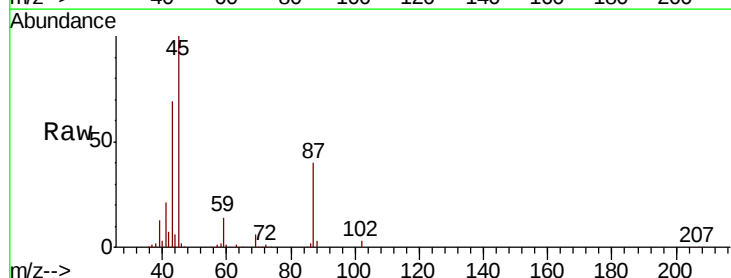
Instrument :
MSVOA_N
ClientSampleId :

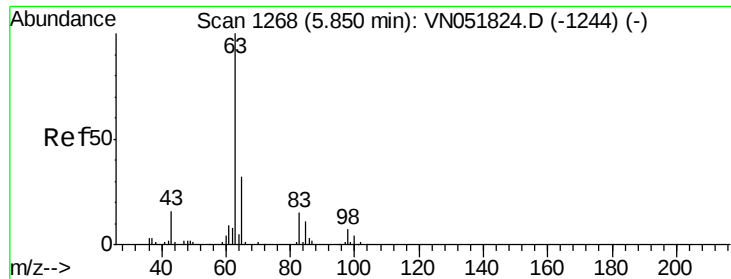
Tot Ion: 96 Resp: 168179
Ion Ratio Lower Upper
96 100
61 104.3 112.3 168.5#
98 61.8 47.1 70.7



#20
Diisopropyl ether
Concen: 18.741 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 45 Resp: 367590
Ion Ratio Lower Upper
45 100
43 66.7 62.1 93.1
87 39.4 19.9 29.9#
59 13.3 9.8 14.6





#21

1,1-Dichloroethane

Concen: 19.494 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

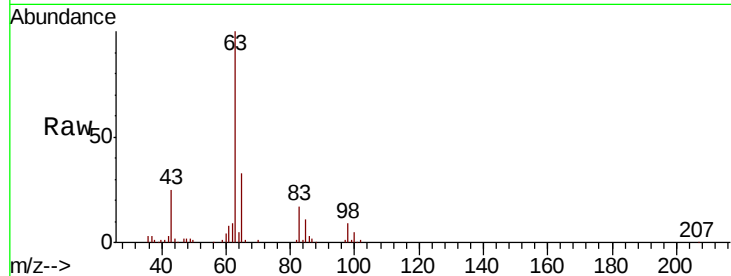
Tot Ion: 63 Resp: 267165

Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

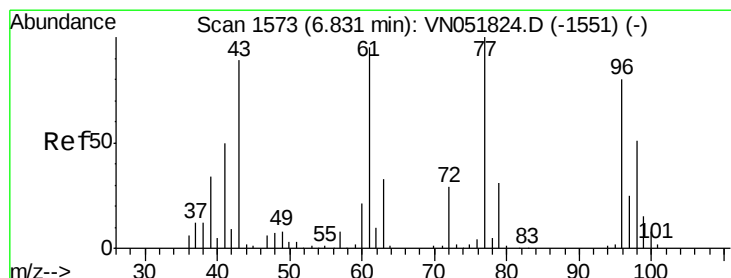
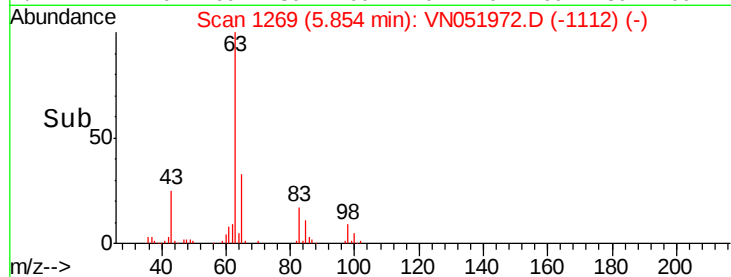
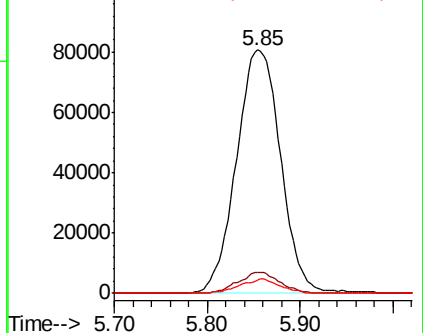
100 5.5 1.6 4.7#



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: 20.051 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

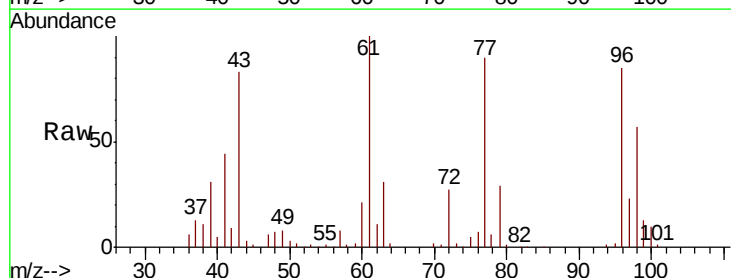
Tgt Ion: 96 Resp: 199489

Ion Ratio Lower Upper

96 100

61 117.2 124.5 186.7#

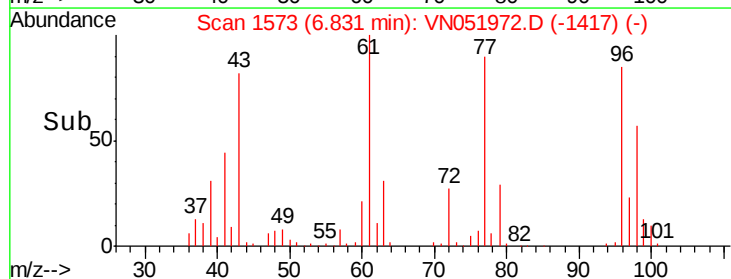
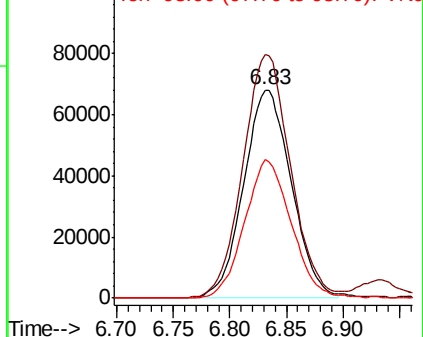
98 64.9 51.9 77.9

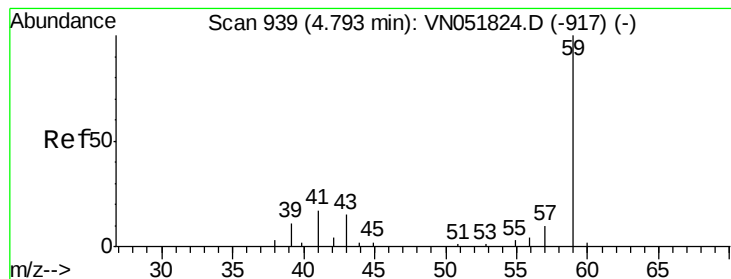


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 64.016 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.02 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

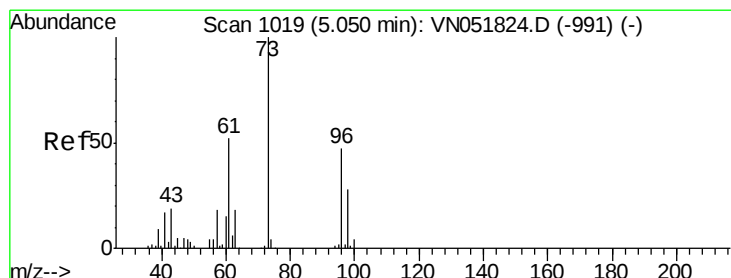
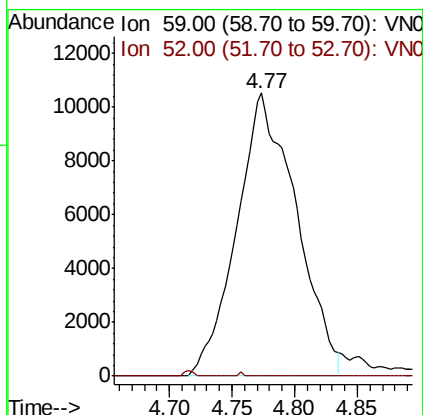
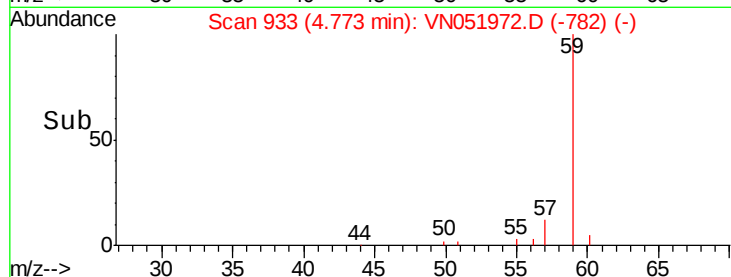
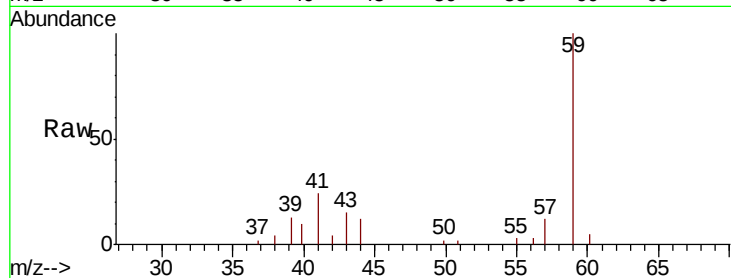
ClientSampleId :

Tot Ion: 59 Resp: 34710

Ion Ratio Lower Upper

59 100

52 0.3 0.0 0.0#



#24

Methyl tert-Butyl Ether

Concen: 18.217 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051972.D

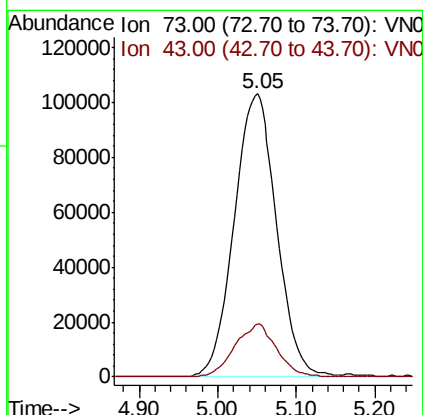
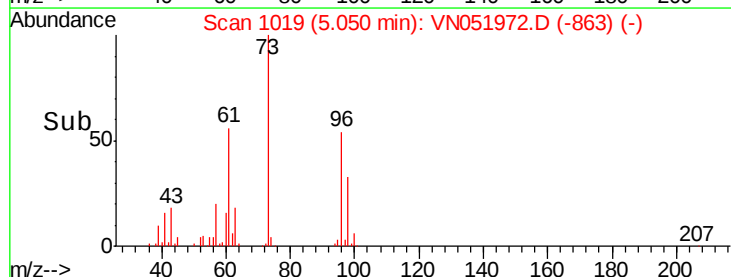
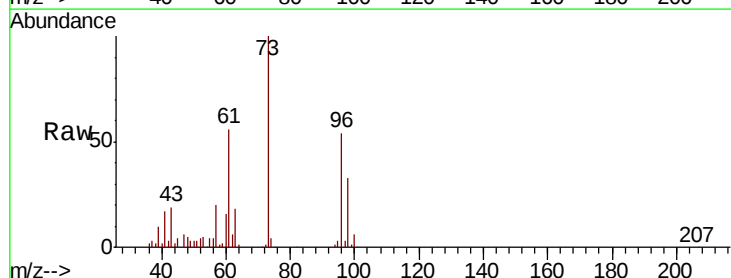
Acq: 23 Oct 2018 19:32

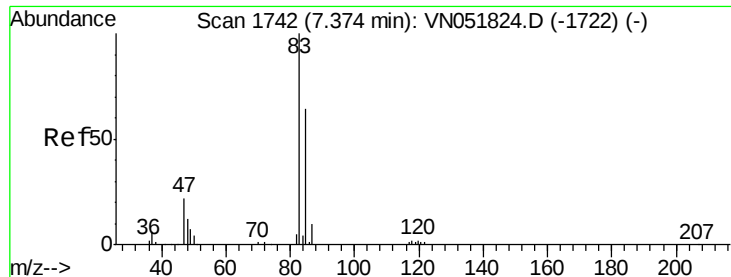
Tgt Ion: 73 Resp: 389334

Ion Ratio Lower Upper

73 100

43 18.5 5.4 8.0#





#25

Chloroform

Concen: 20.282 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

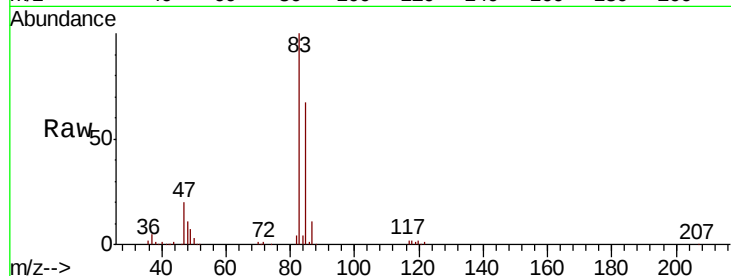
ClientSampled :

Tot Ion: 83 Resp: 329765

Ion Ratio Lower Upper

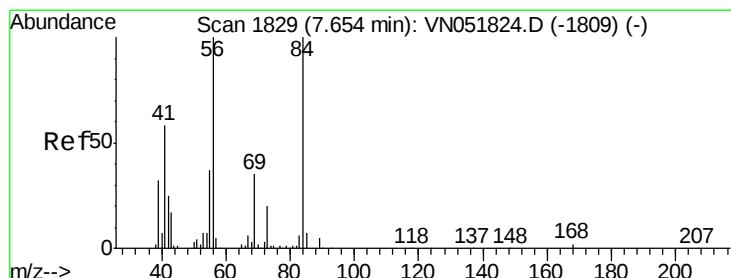
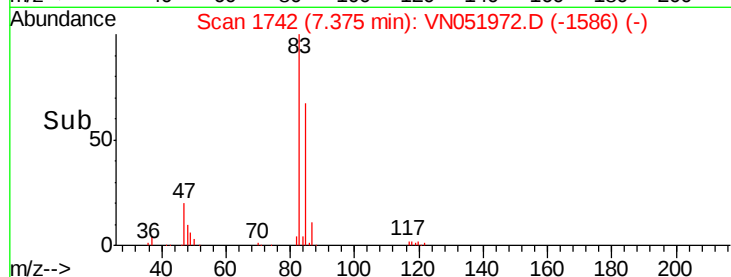
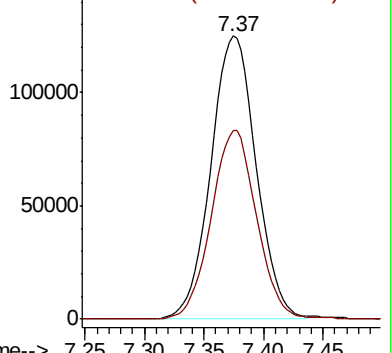
83 100

85 66.7 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: 17.985 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

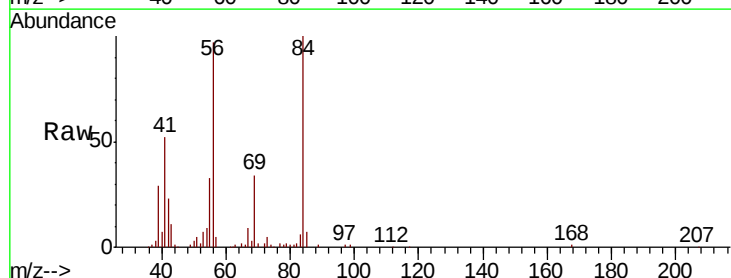
Tgt Ion: 56 Resp: 208973

Ion Ratio Lower Upper

56 100

89 0.8 1.5 2.3#

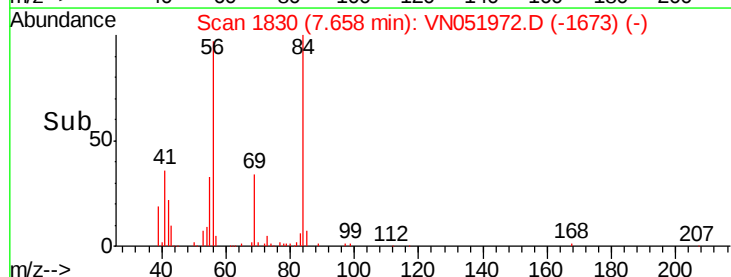
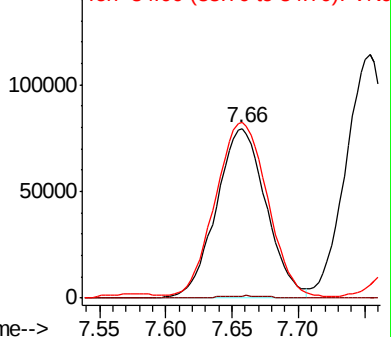
84 106.8 64.2 96.4#

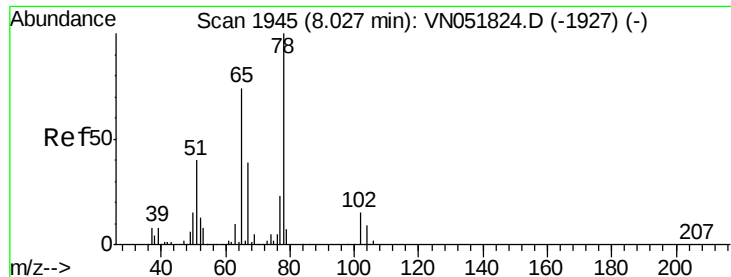


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 17.985 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

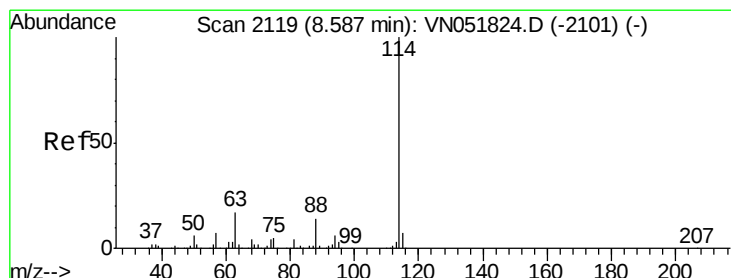
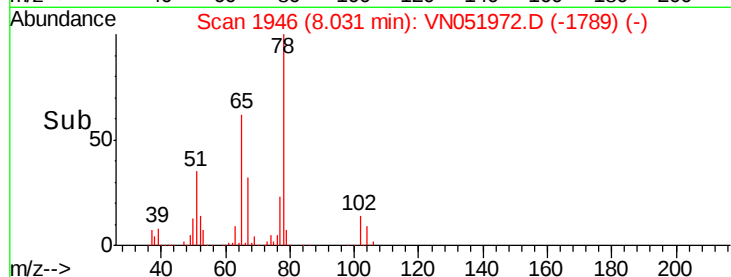
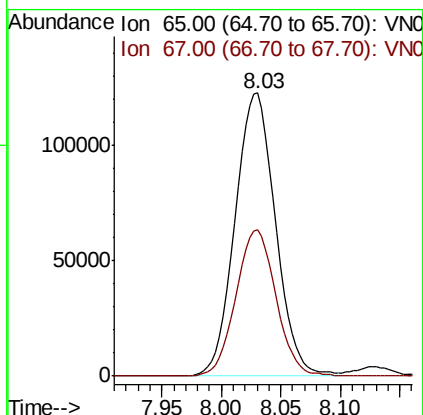
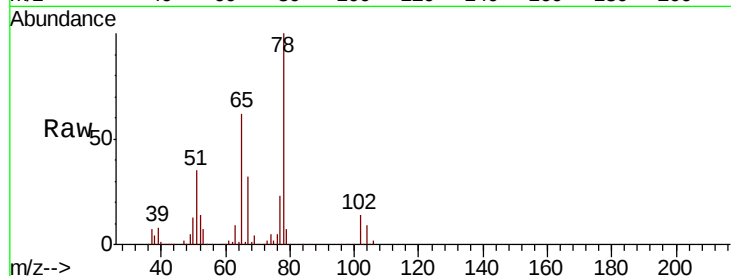
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 288589

Ion Ratio Lower Upper

65 100

67 51.2 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: VN051972.D

Acq: 23 Oct 2018 19:32

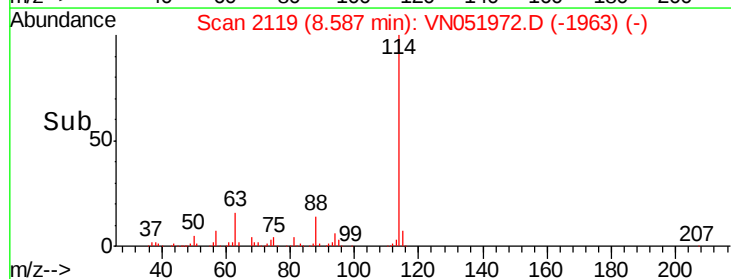
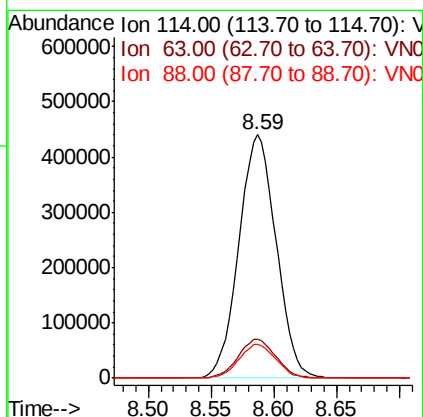
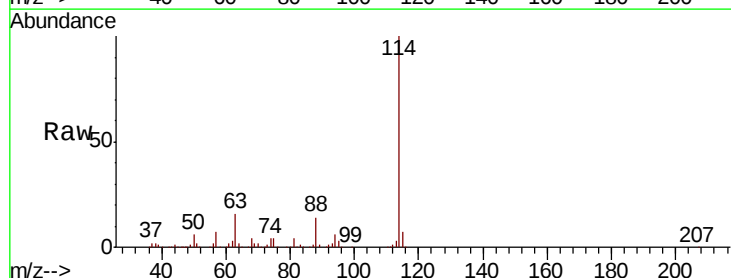
Tgt Ion: 114 Resp: 909881

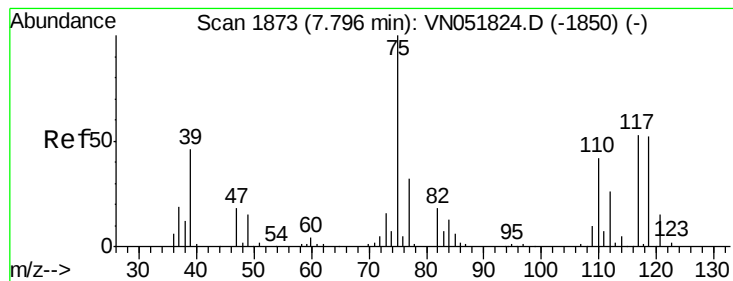
Ion Ratio Lower Upper

114 100

63 16.0 16.2 24.2#

88 13.9 12.2 18.4





#29

1,1-Dichloropropene

Concen: 18.846 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

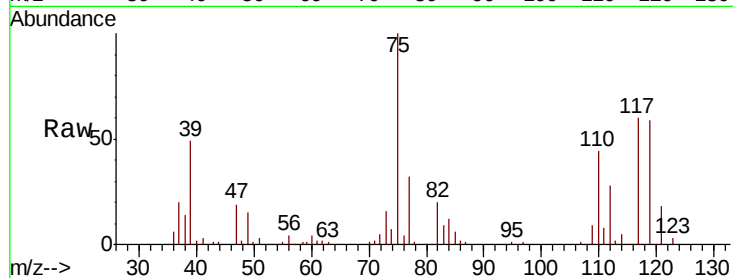
Tot Ion: 75 Resp: 221039

Ion Ratio Lower Upper

75 100

110 42.4 0.0 70.8

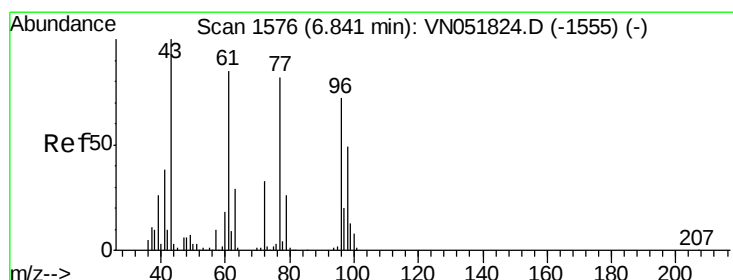
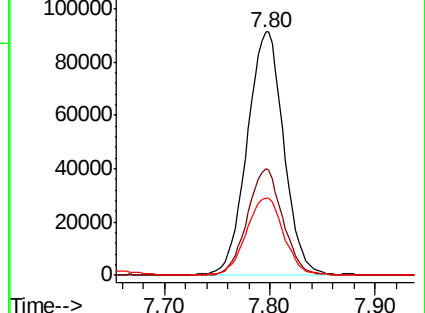
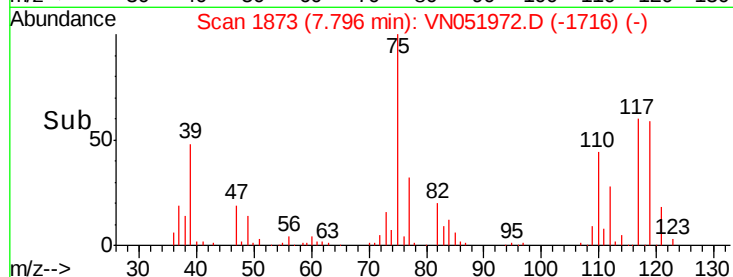
77 32.0 0.0 61.6



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-1850) (-)

Ion 110.00 (109.70 to 110.70): VN051824.D (-1850) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-1850) (-)



#30

2-Butanone

Concen: 81.436 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

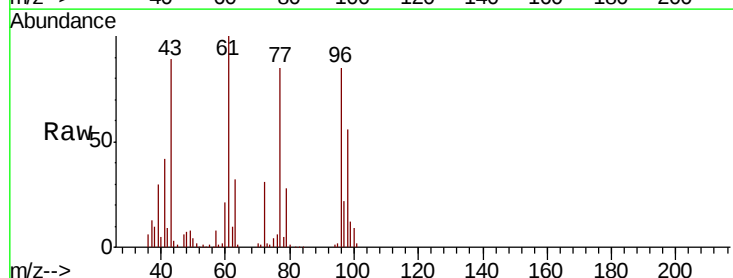
Tgt Ion: 43 Resp: 199630

Ion Ratio Lower Upper

43 100

57 9.6 4.5 6.7#

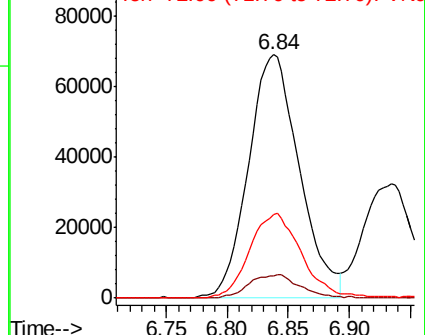
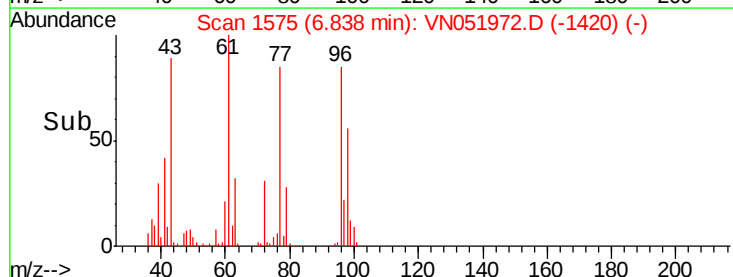
72 35.7 21.5 32.3#

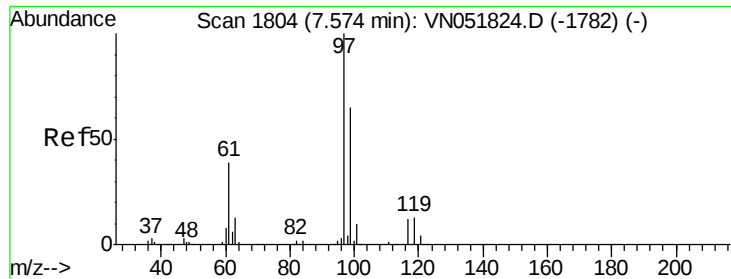


Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1555) (-)

Ion 57.00 (56.70 to 57.70): VN051824.D (-1555) (-)

Ion 72.00 (71.70 to 72.70): VN051824.D (-1555) (-)





#32

1,1,1-Trichloroethane

Concen: 19.518 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

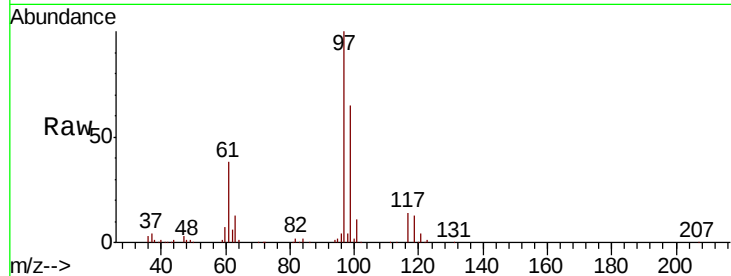
Tot Ion: 97 Resp: 303494

Ion Ratio Lower Upper

97 100

99 63.1 51.6 77.4

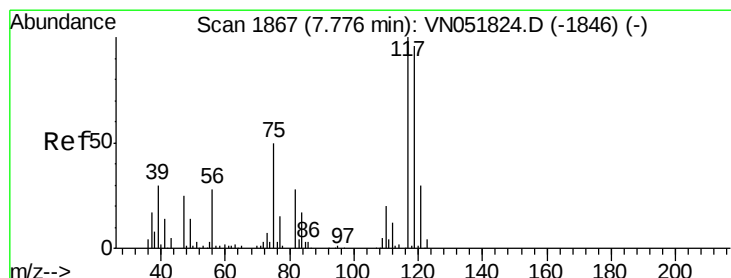
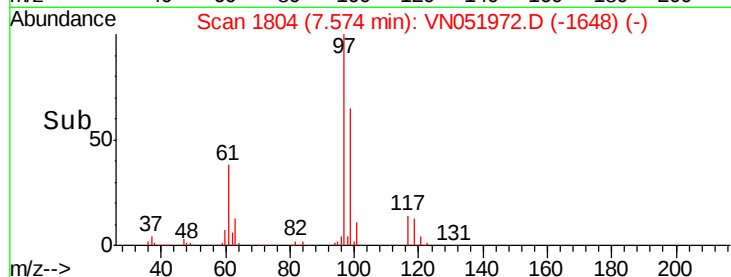
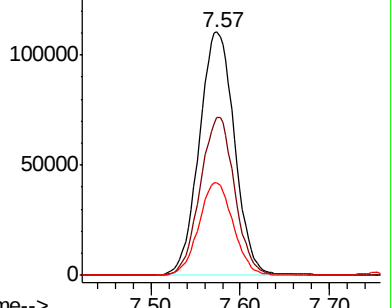
61 37.1 37.4 56.0#



Abundance Ion 97.00 (96.70 to 97.70): VN051824.D (-1782) (-)

Ion 99.00 (98.70 to 99.70): VN051824.D (-1782) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1782) (-)



#33

Carbon Tetrachloride

Concen: 18.370 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

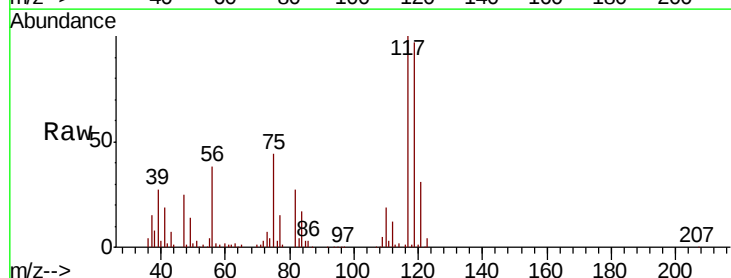
Tgt Ion: 117 Resp: 258425

Ion Ratio Lower Upper

117 100

119 96.9 85.1 127.7

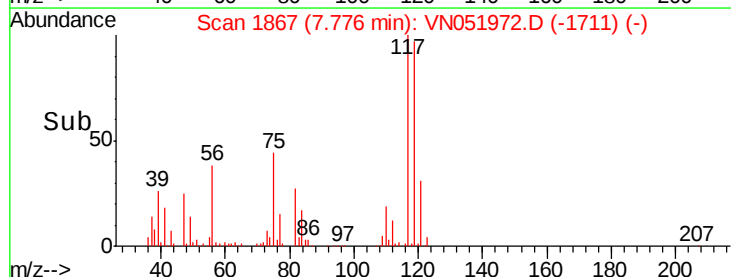
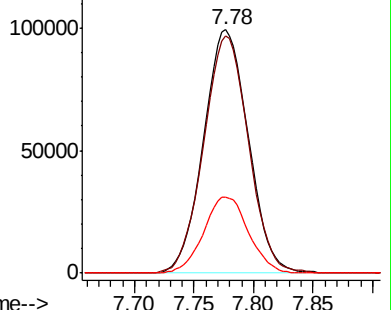
121 31.1 24.2 36.2

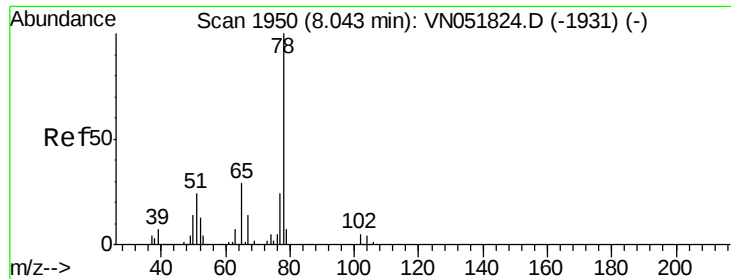


Abundance Ion 117.00 (116.70 to 117.70): VN051824.D (-1846) (-)

Ion 119.00 (118.70 to 119.70): VN051824.D (-1846) (-)

Ion 121.00 (120.70 to 121.70): VN051824.D (-1846) (-)





#34

Benzene

Concen: 19.787 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

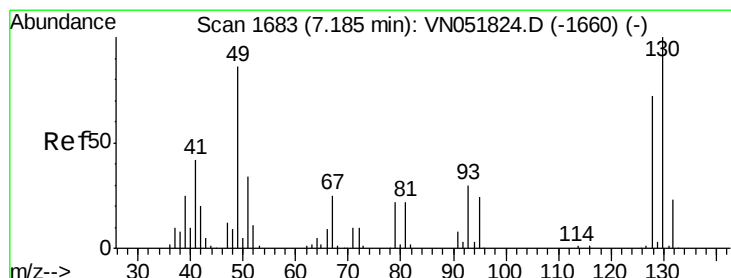
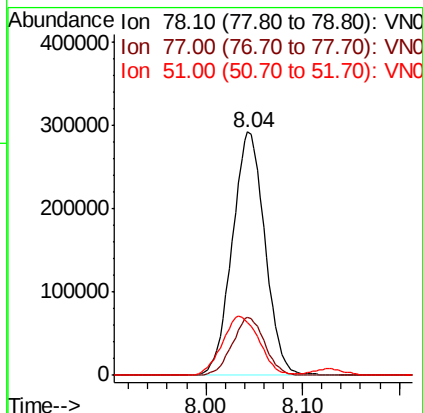
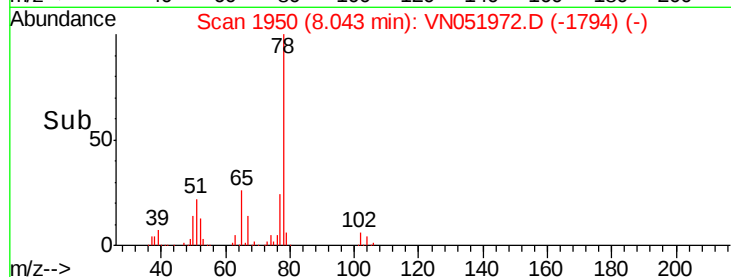
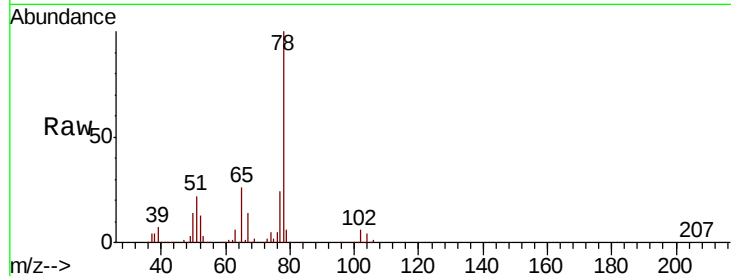
Tot Ion: 78 Resp: 686465

Ion Ratio Lower Upper

78 100

77 24.0 18.8 28.2

51 21.5 46.2 69.4#



#35

Methacrylonitrile

Concen: 15.975 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.01 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion: 41 Resp: 51449

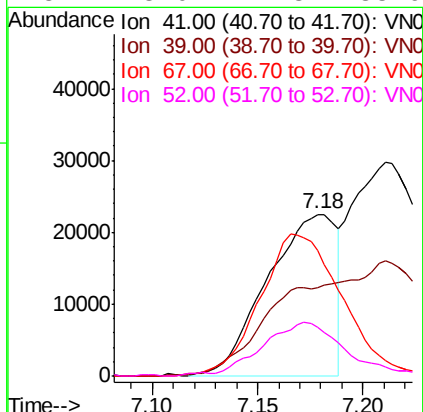
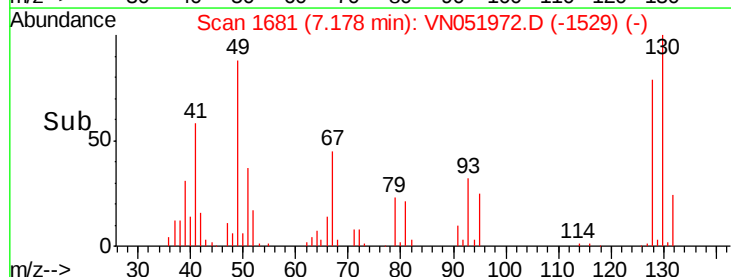
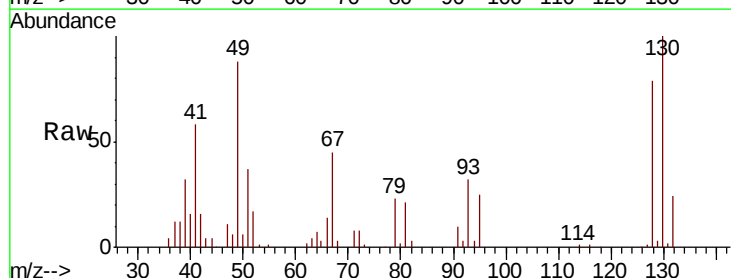
Ion Ratio Lower Upper

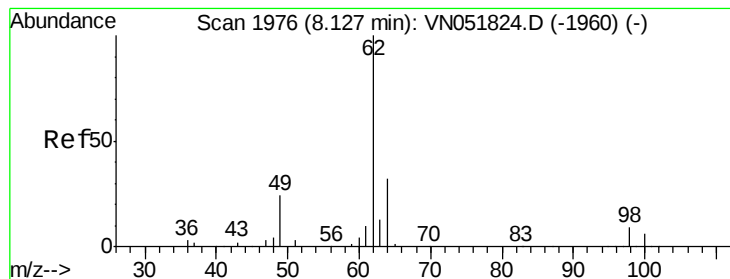
41 100

39 53.9 22.6 67.7

67 76.3 28.9 86.8

52 28.0 11.3 33.9





#36

1,2-Dichloroethane

Concen: 19.899 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

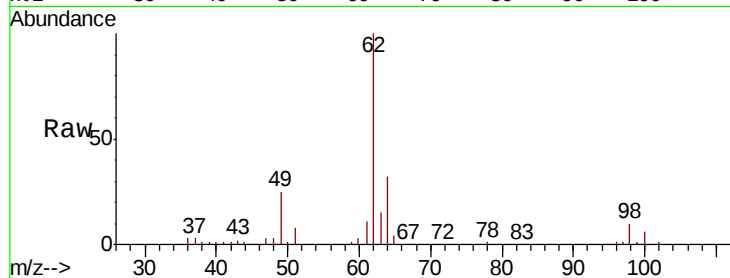
ClientSampleId :

Tot Ion: 62 Resp: 221200

Ion Ratio Lower Upper

62 100

98 9.6 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VN051824.D (-1960) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1960) (-)

8.13

100000

80000

60000

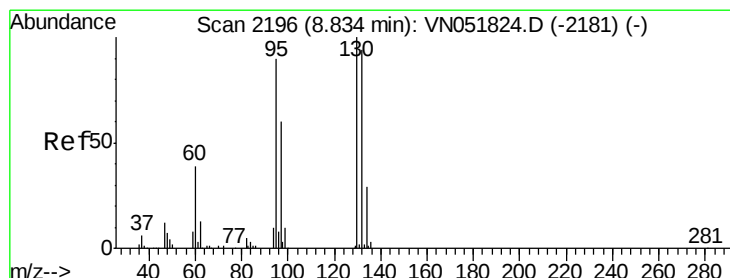
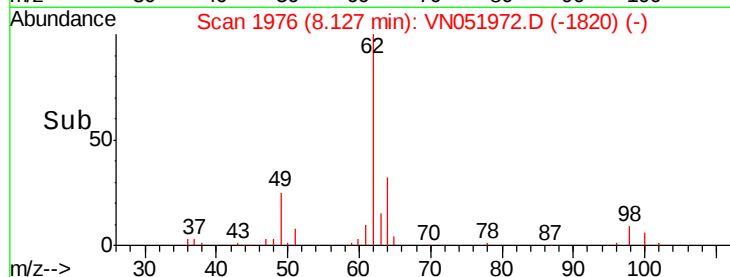
40000

20000

0

8.05 8.10 8.15 8.20

Time-->



#37

Trichloroethene

Concen: 20.133 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051972.D

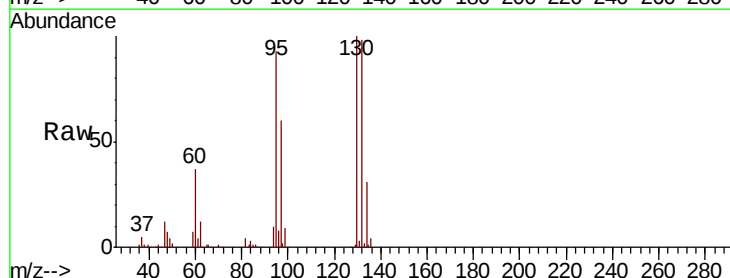
Acq: 23 Oct 2018 19:32

Tgt Ion:130 Resp: 216824

Ion Ratio Lower Upper

130 100

95 92.7 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): VN051824.D (-2181) (-)

Ion 94.90 (94.60 to 95.60): VN051824.D (-2181) (-)

8.84

120000

100000

80000

60000

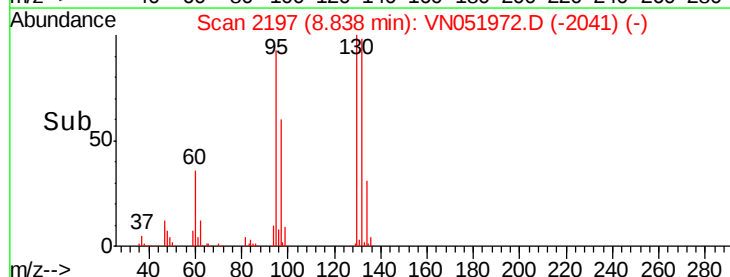
40000

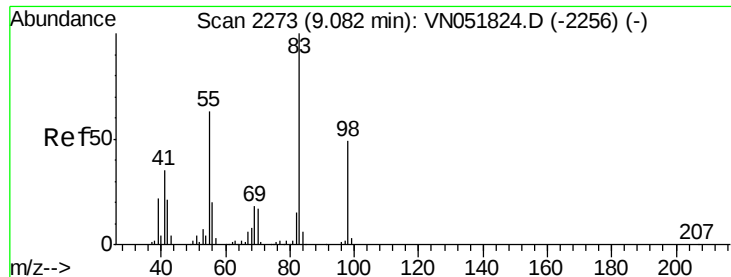
20000

0

8.75 8.80 8.85 8.90 8.95

Time-->

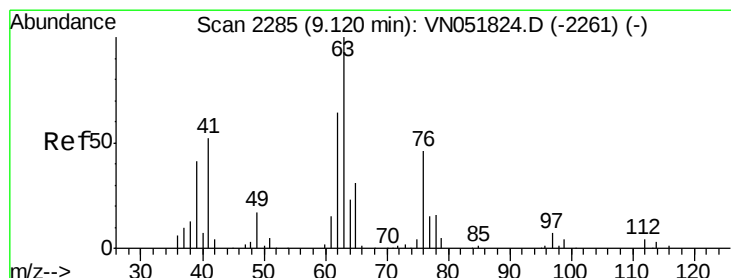
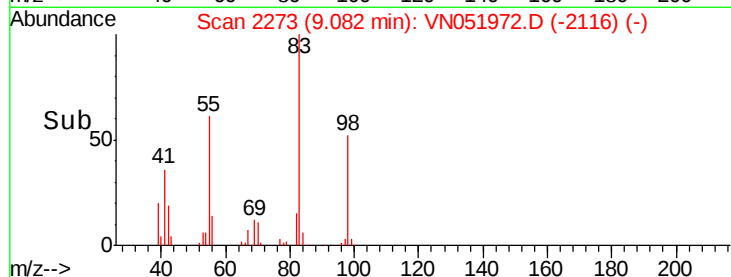
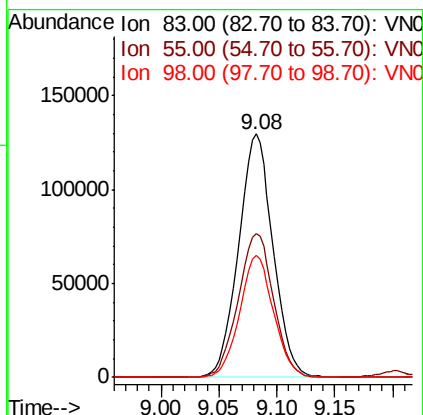
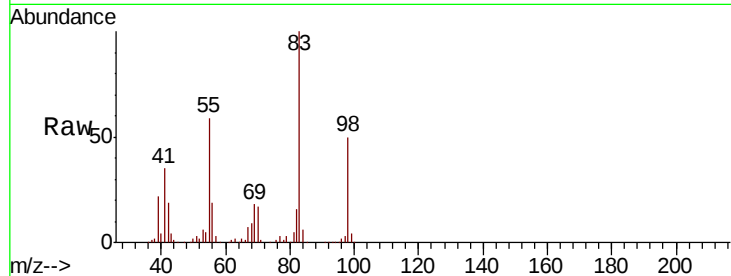




#38
Methylcyclohexane
Concen: 17.771 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

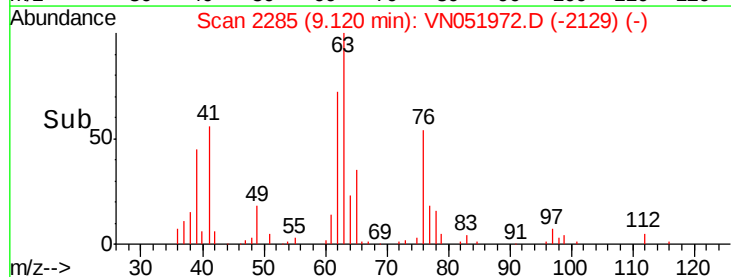
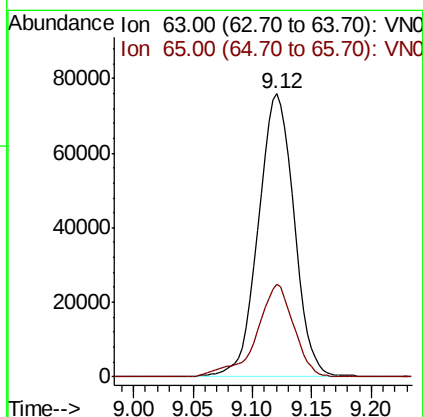
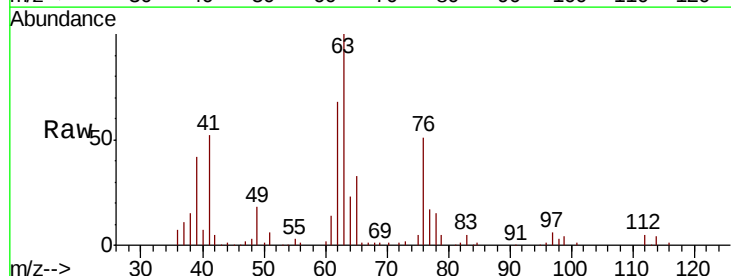
Instrument :
MSVOA_N
ClientSampled :

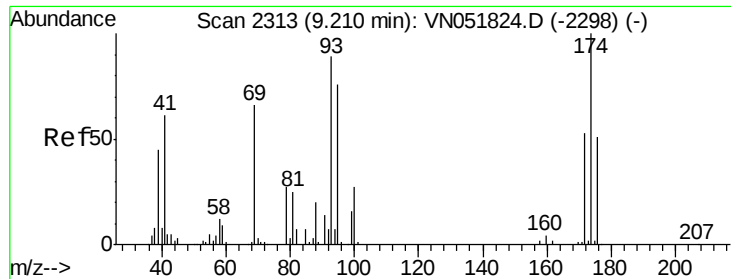
Tot Ion	83.00	Resp	267330
Ion	Ratio	Lower	Upper
83	100		
55	60.5	43.0	129.2
98	49.4	21.3	63.7



#39
1,2-Dichloropropane
Concen: 19.347 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	63.00	Resp	158071
Ion	Ratio	Lower	Upper
63	100		
65	32.9	23.2	34.8

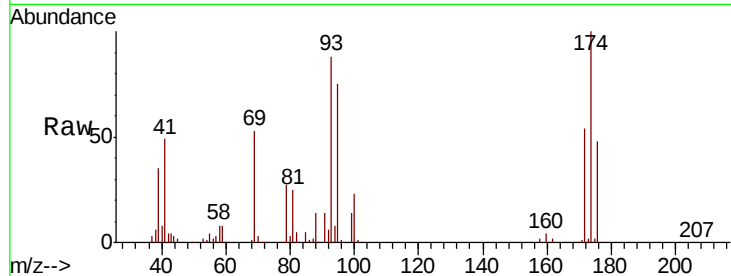




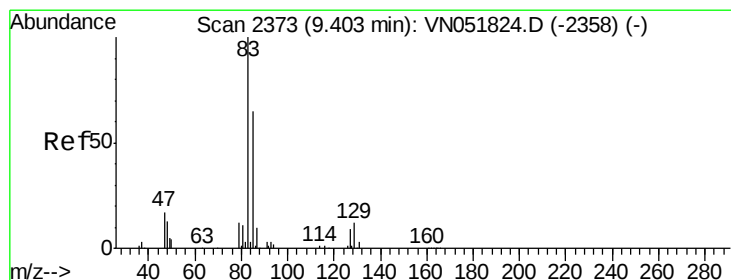
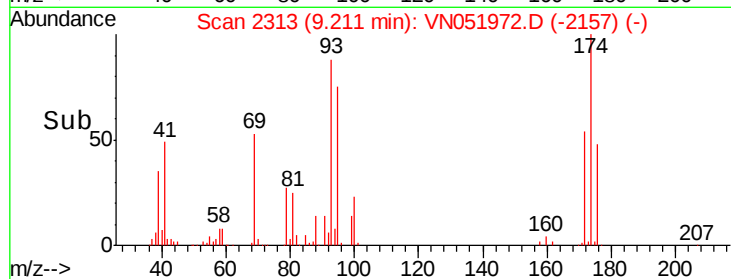
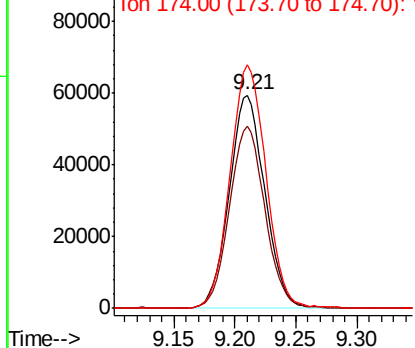
#40
Dibromomethane
Concen: 19.916 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 93 Resp: 120769
Ion Ratio Lower Upper
93 100
95 85.2 0.0 162.0
174 114.3 0.0 214.0

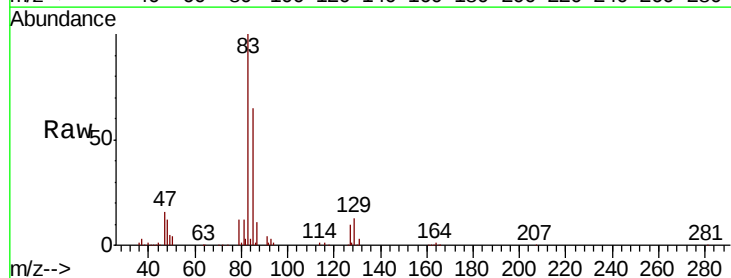


Abundance Ion 93.00 (92.70 to 93.70): VN0
Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V

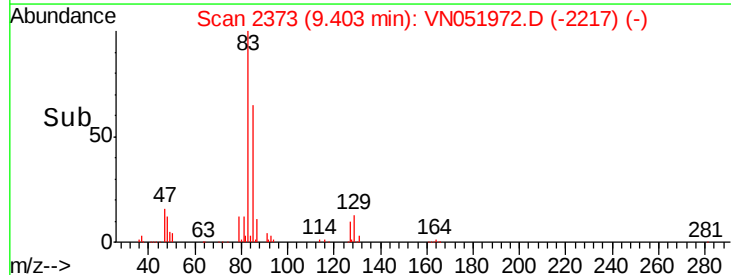
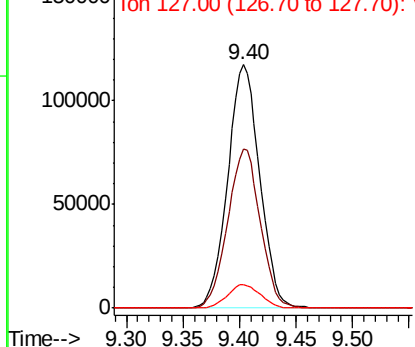


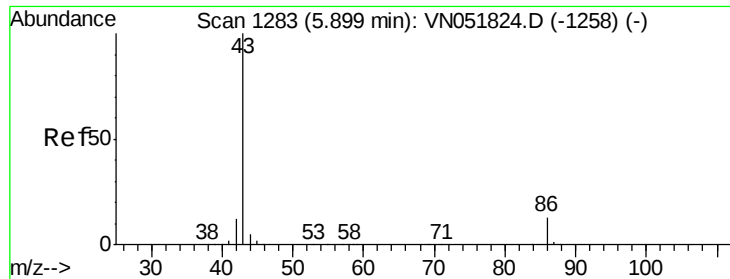
#41
Bromodichloromethane
Concen: 18.420 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 83 Resp: 230714
Ion Ratio Lower Upper
83 100
85 65.2 55.7 83.5
127 9.6 8.2 12.4



Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V

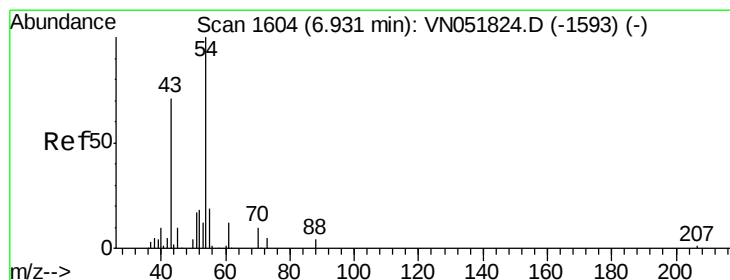
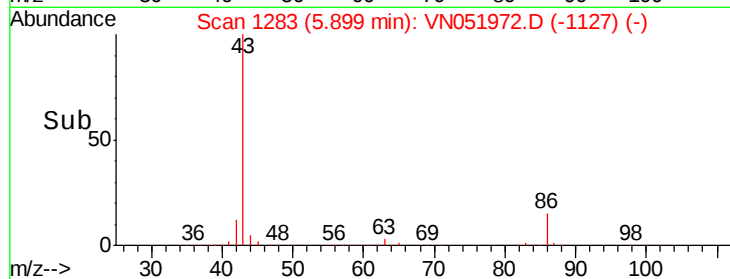
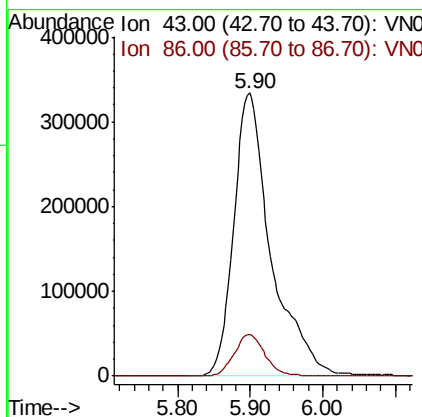
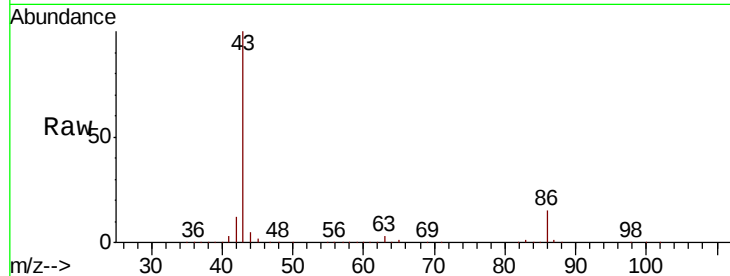




#42
 Vinyl Acetate
 Concen: 86.356 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

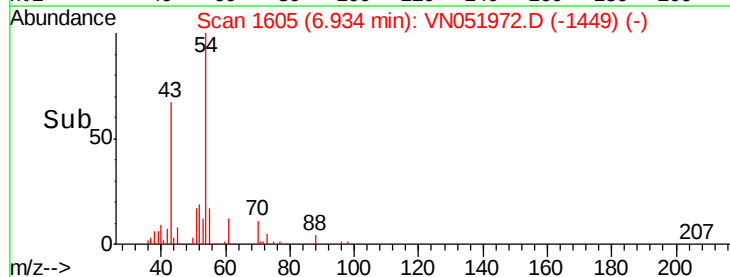
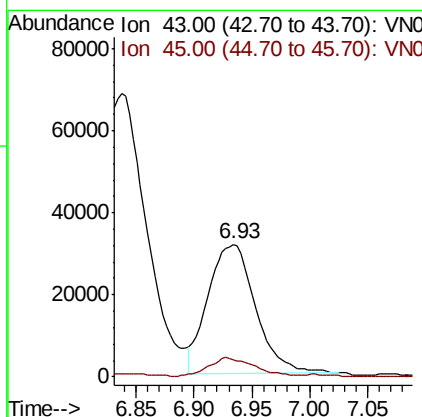
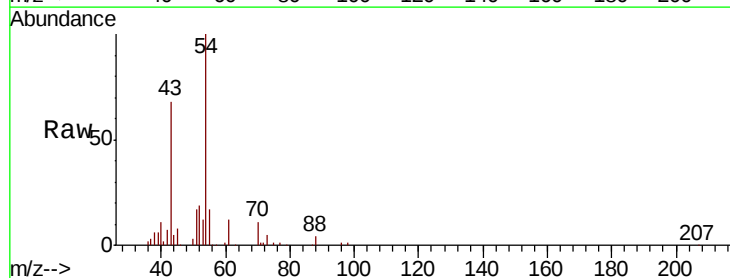
Instrument :
 MSVOA_N
 ClientSampleId :

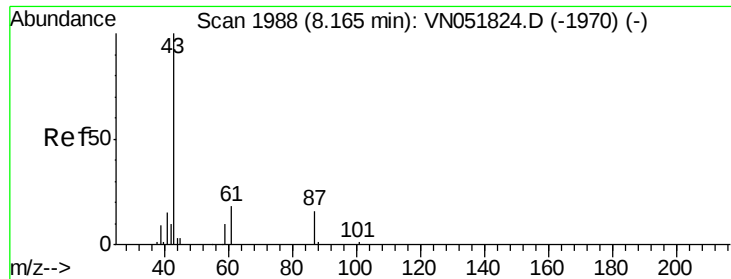
Tot Ion: 43 Resp: 1191680
 Ion Ratio Lower Upper
 43 100
 86 12.2 6.5 9.7#



#43
 Ethyl Acetate
 Concen: 16.896 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion: 43 Resp: 89934
 Ion Ratio Lower Upper
 43 100
 45 13.5 11.0 16.6



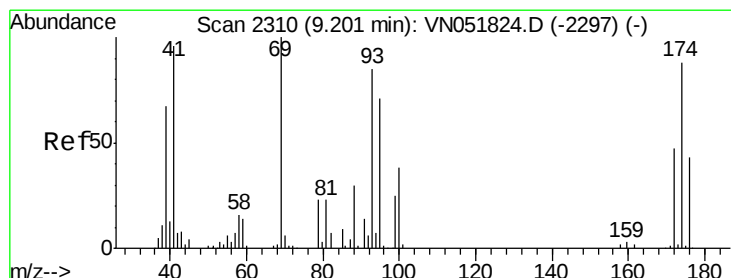
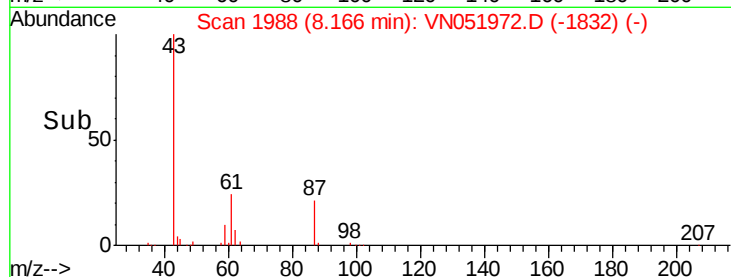
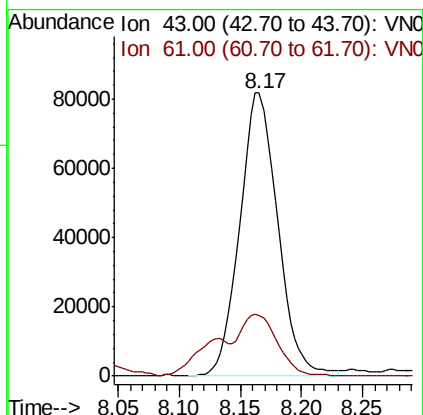
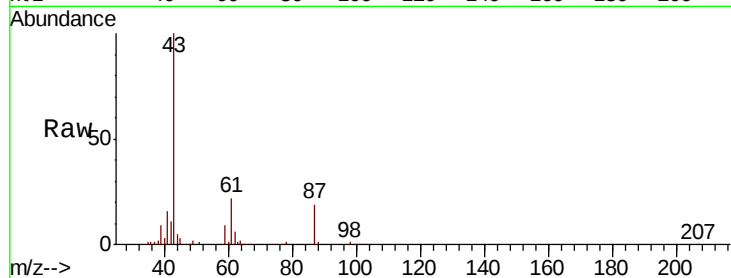


#44

Isopropyl Acetate
 Concen: 16.524 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :

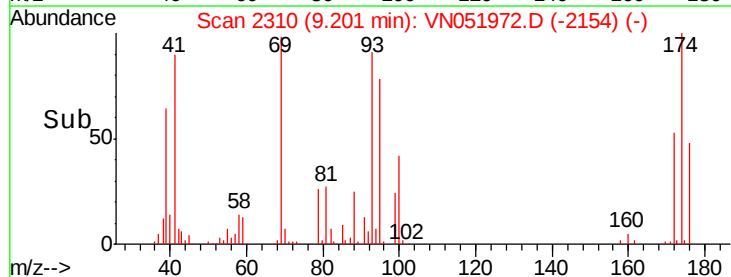
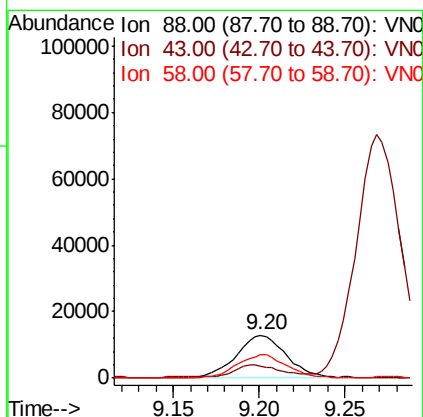
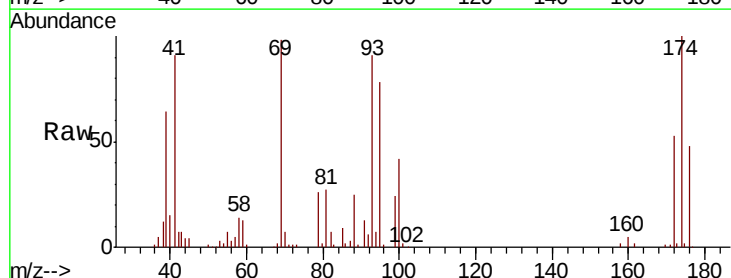
Tot Ion: 43 Resp: 175678
 Ion Ratio Lower Upper
 43 100
 61 21.6 15.9 23.9

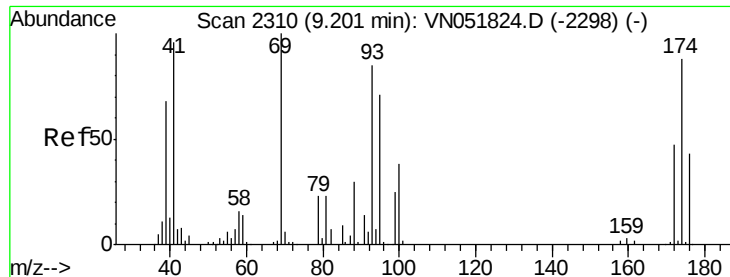


#45

1,4-Dioxane
 Concen: 304.339 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion: 88 Resp: 25981
 Ion Ratio Lower Upper
 88 100
 43 25.2 26.2 39.2#
 58 54.8 65.6 98.4#

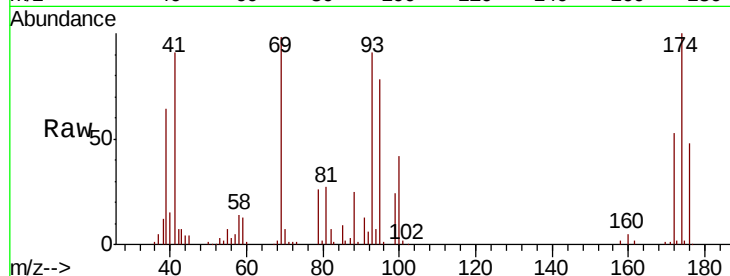




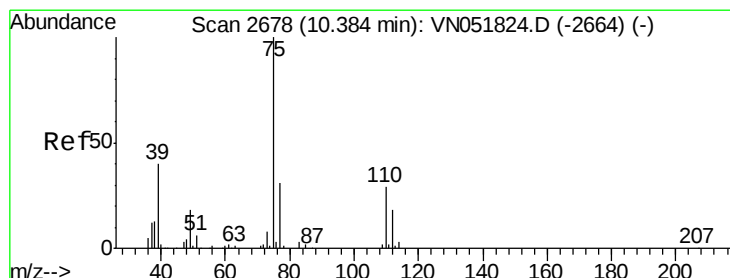
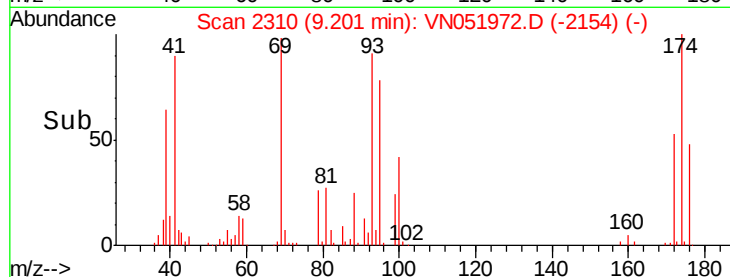
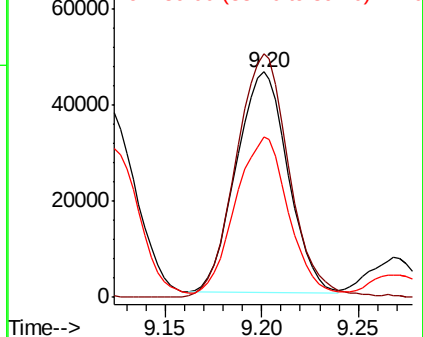
#46
Methvl methacrylate
Concen: 17.485 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 85745
Ion Ratio Lower Upper
41 100
69 109.7 40.7 122.1
39 70.8 27.3 81.9

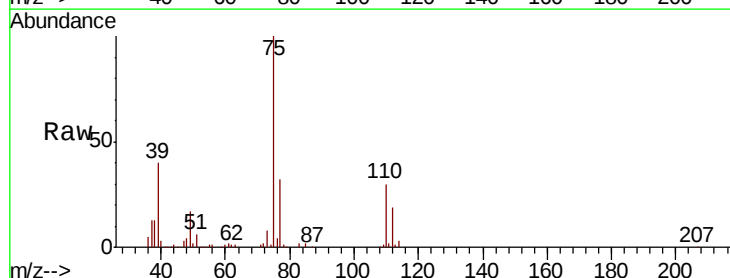


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

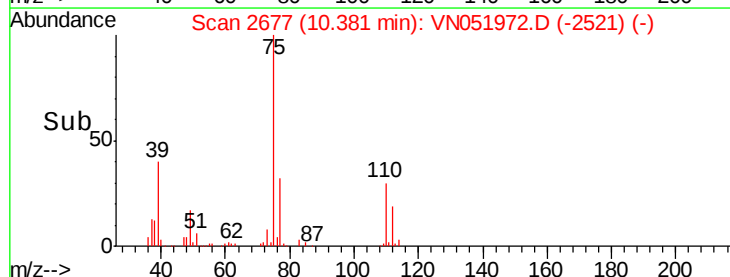
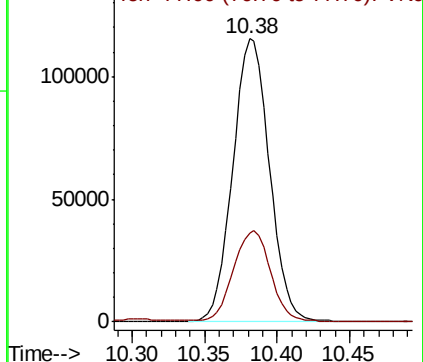


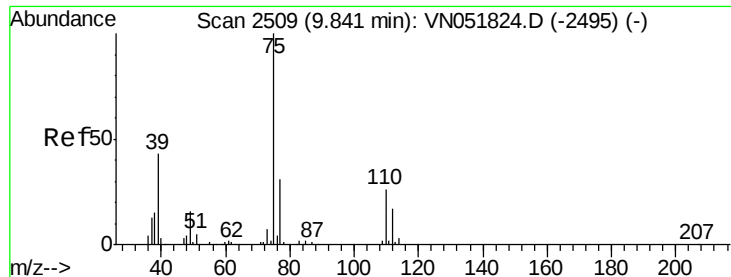
#48
t-1,3-Dichloropropene
Concen: 16.663 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 75 Resp: 203521
Ion Ratio Lower Upper
75 100
77 31.4 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN0



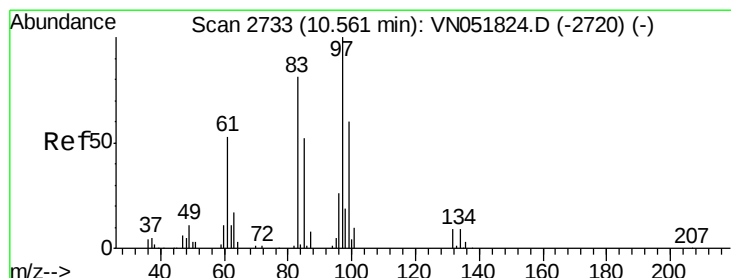
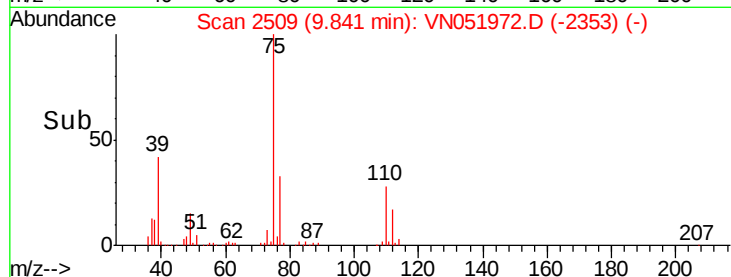
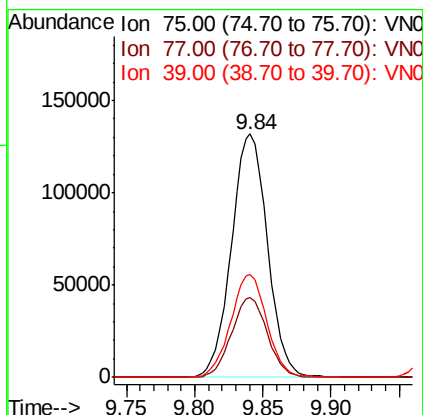
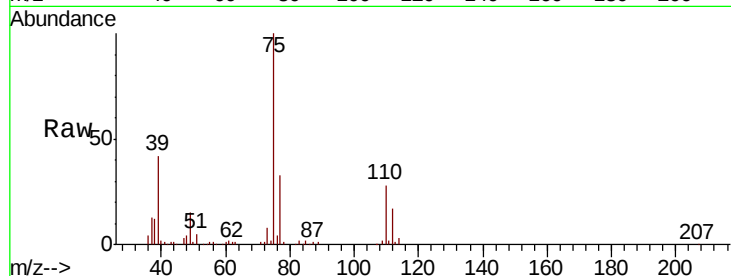


#49

cis-1,3-Dichloropropene
 Concen: 17.951 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampleId :

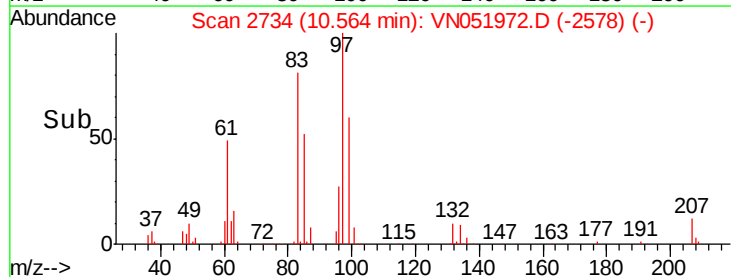
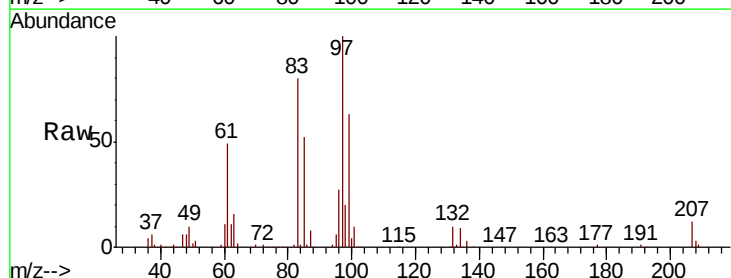
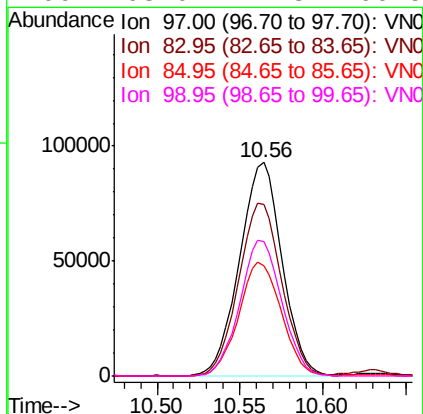
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.2	34.8
39	42.2	34.6	52.0

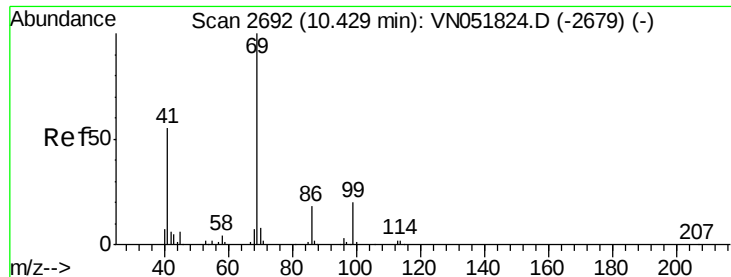


#50

1,1,2-Trichloroethane
 Concen: 19.830 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
97	100		
83	80.3	68.2	102.4
85	51.7	42.5	63.7
99	63.0	44.3	66.5





#51

Ethyl methacrylate

Concen: 17.935 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

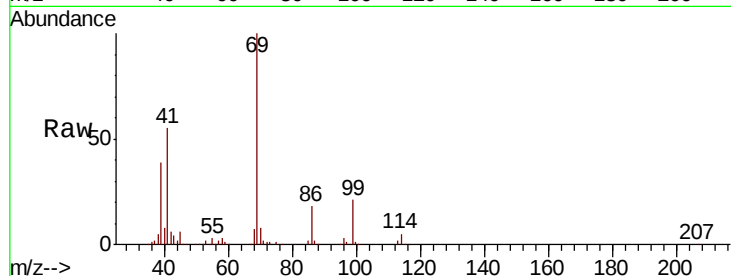
Tot Ion: 69 Resp: 172032

Ion Ratio Lower Upper

69 100

41 54.5 34.4 103.1

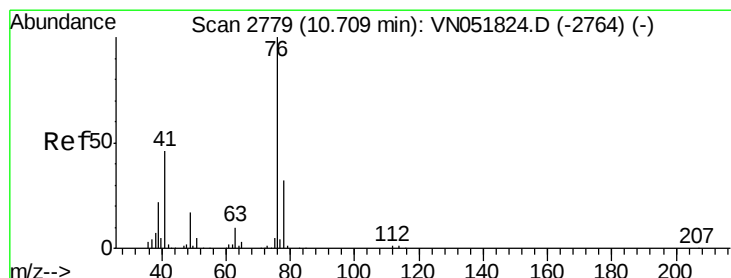
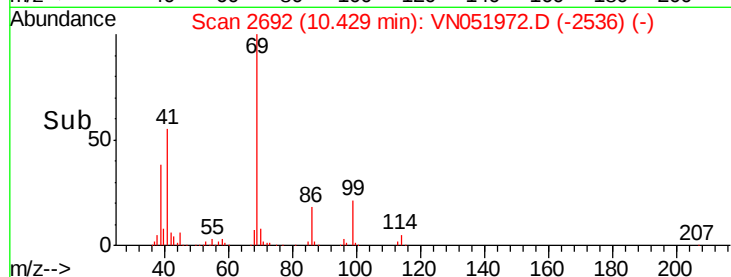
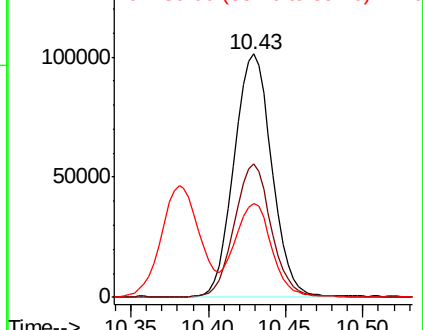
39 38.3 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.647 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051972.D

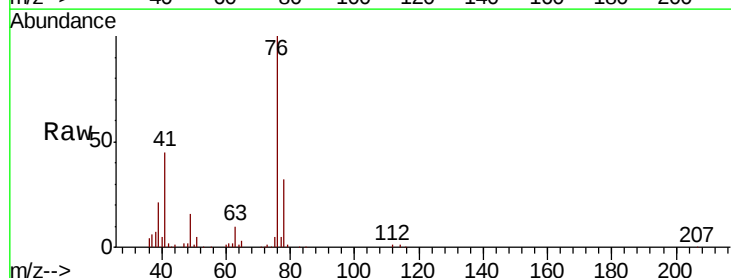
Acq: 23 Oct 2018 19:32

Tgt Ion: 76 Resp: 254041

Ion Ratio Lower Upper

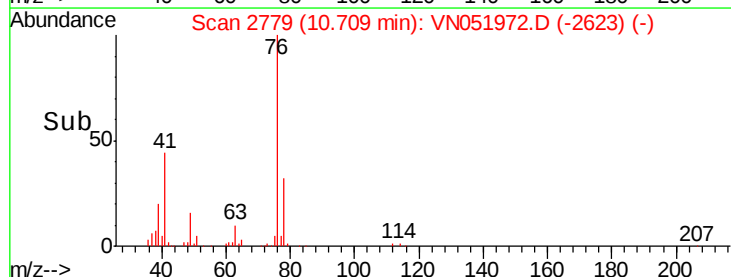
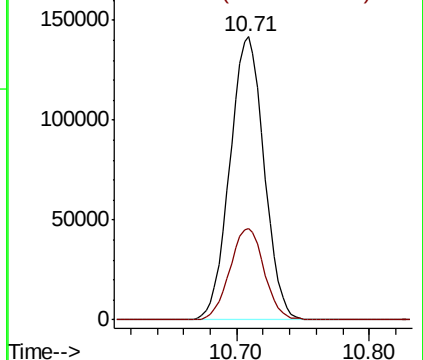
76 100

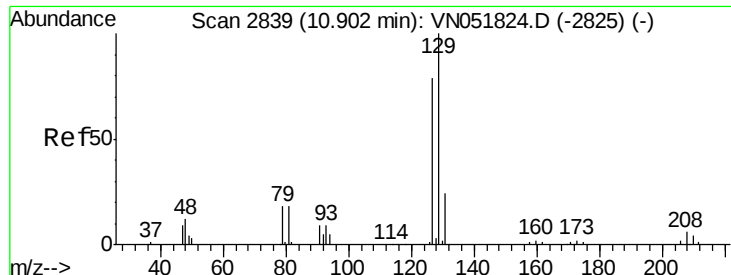
78 32.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

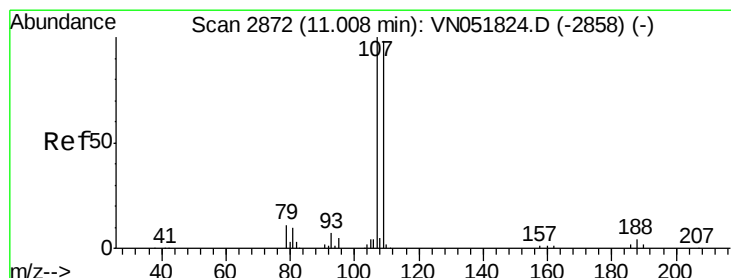
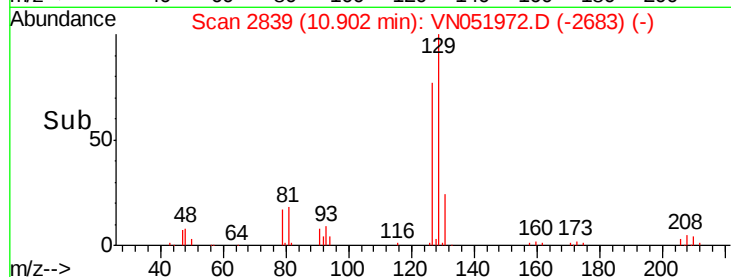
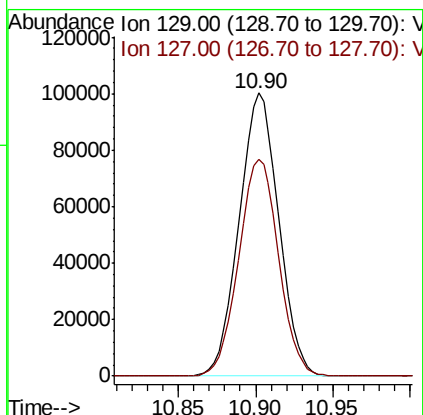
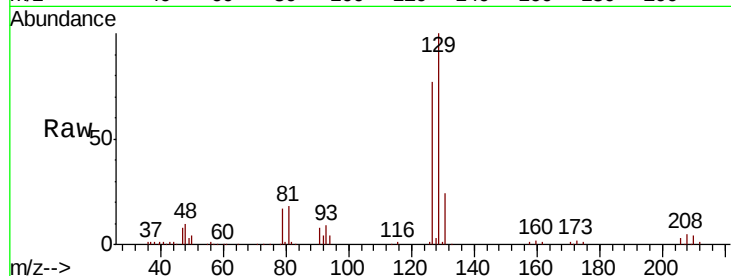




#53
 Dibromochloromethane
 Concen: 17.232 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

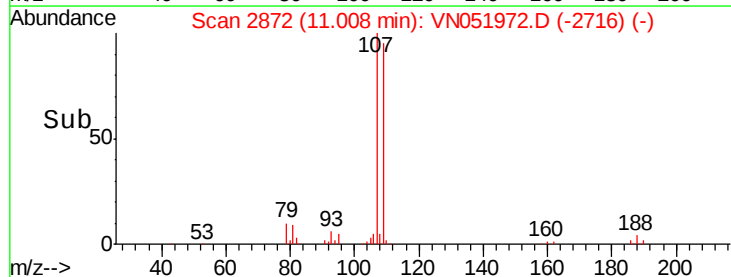
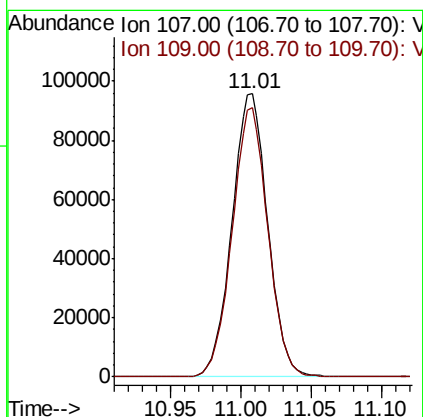
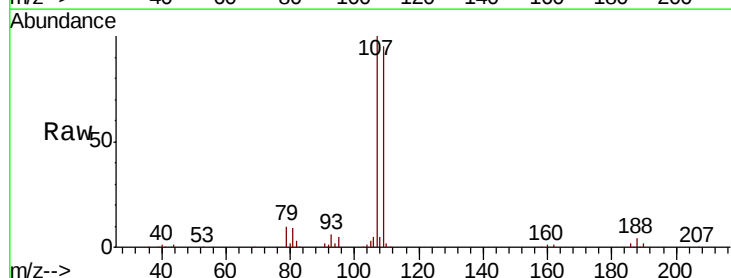
Instrument :
 MSVOA_N
 ClientSampled :

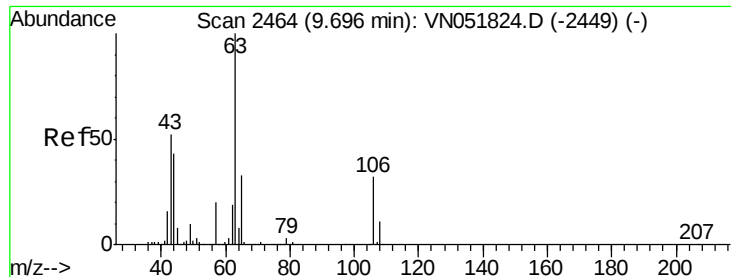
Tot Ion:129 Resp: 178602
 Ion Ratio Lower Upper
 129 100
 127 77.2 40.2 120.5



#54
 1,2-Dibromoethane
 Concen: 19.306 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion:107 Resp: 169780
 Ion Ratio Lower Upper
 107 100
 109 94.9 77.4 116.0

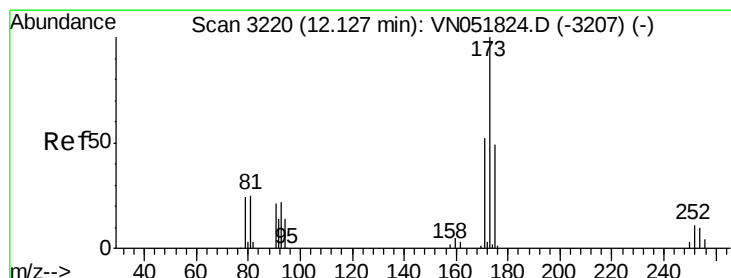
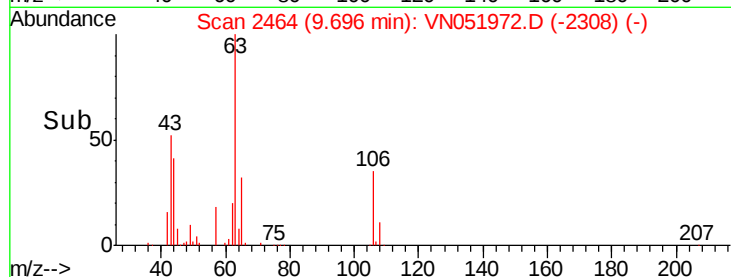
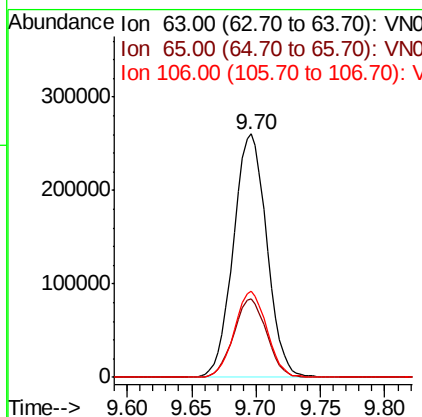
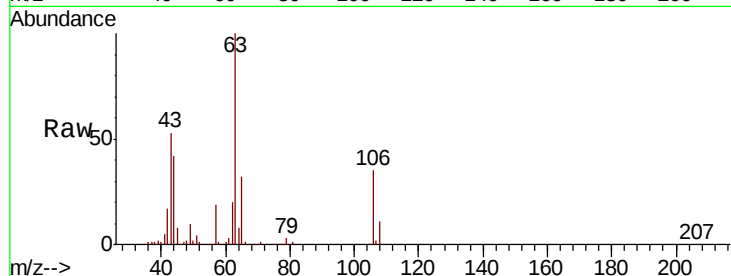




#55
2-Chloroethyl vinyl ether
Concen: 114.386 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

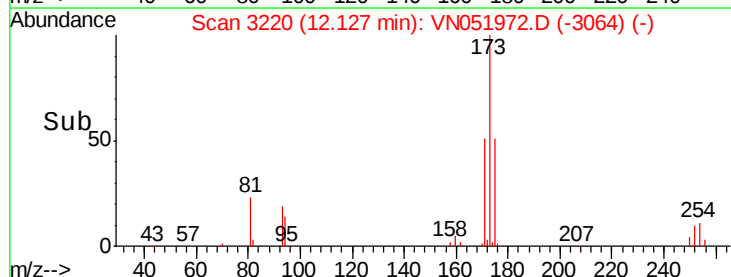
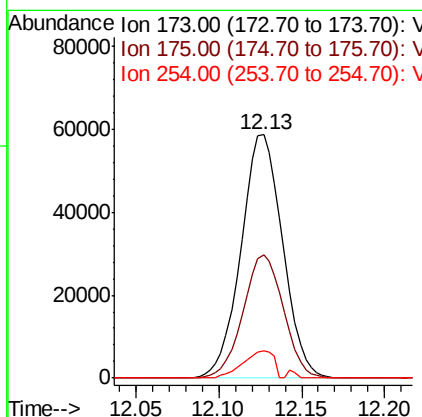
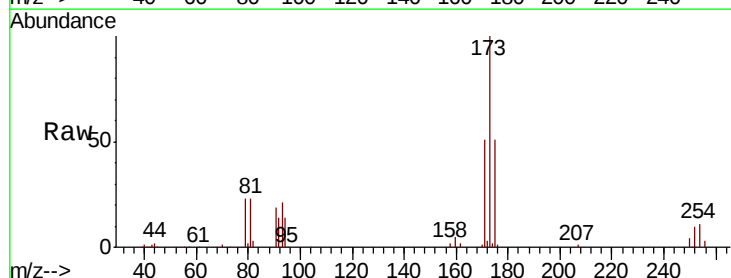
Instrument :
MSVOA_N
ClientSampleId :

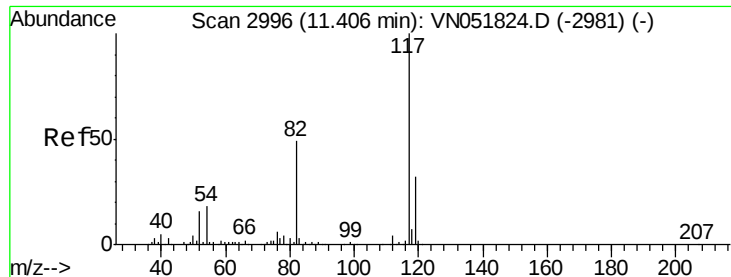
Tot Ion: 63 Resp: 469033
Ion Ratio Lower Upper
63 100
65 31.9 25.4 38.0
106 34.4 21.2 31.8#



#56
Bromoform
Concen: 15.029 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 173 Resp: 102731
Ion Ratio Lower Upper
173 100
175 49.2 35.8 53.8
254 8.3 8.6 13.0#

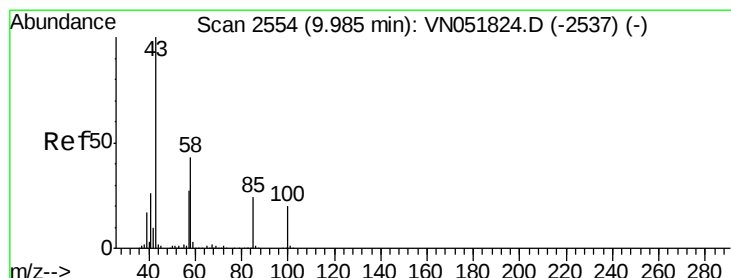
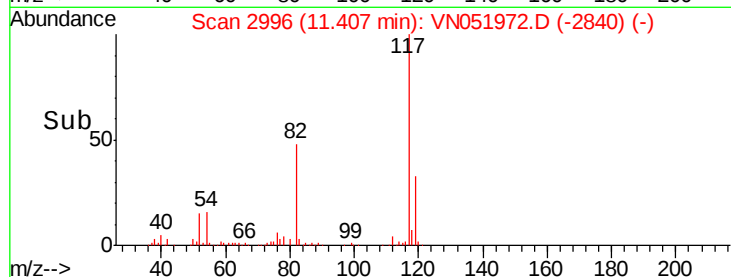
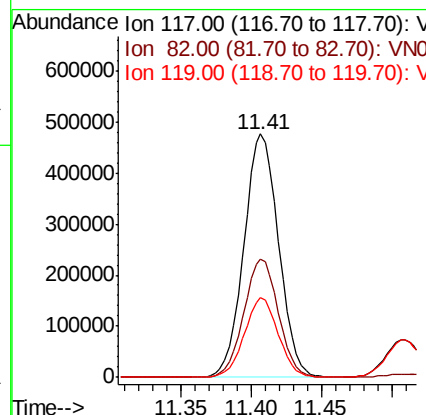
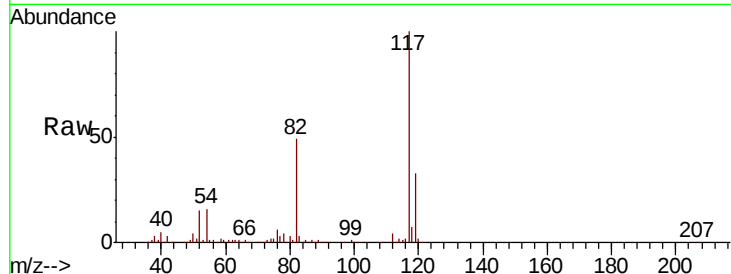




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

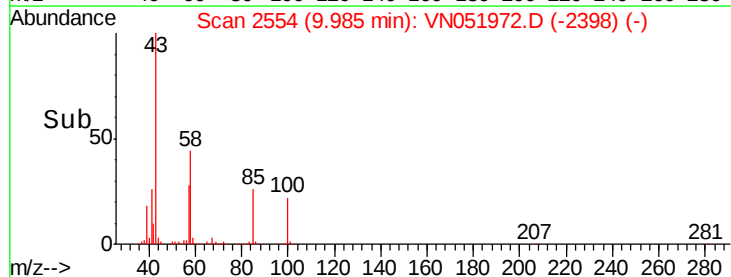
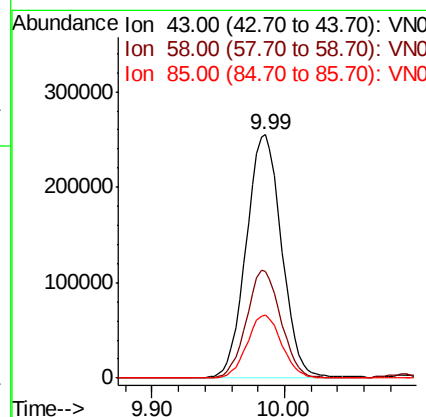
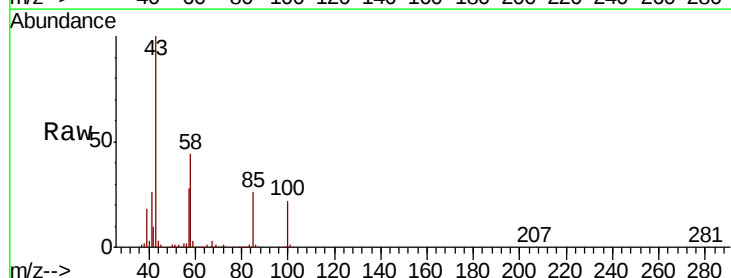
Instrument :
MSVOA_N
ClientSampled :

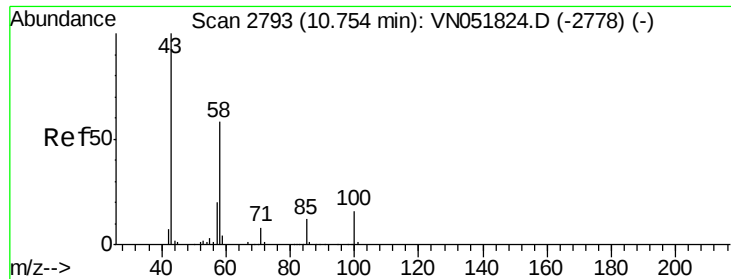
Tot Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.1	66.1
119	31.8	25.8	38.8



#58
4-Methyl-2-Pentanone
Concen: 85.902 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.1	29.3	43.9
85	25.4	12.6	18.8

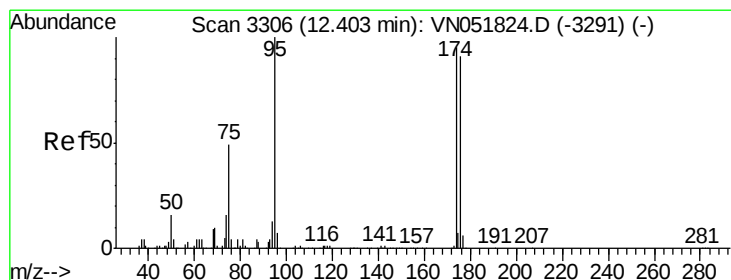
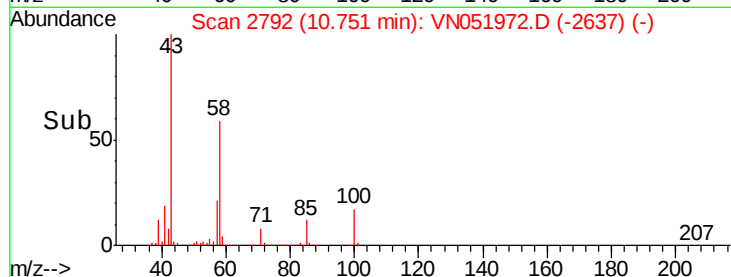
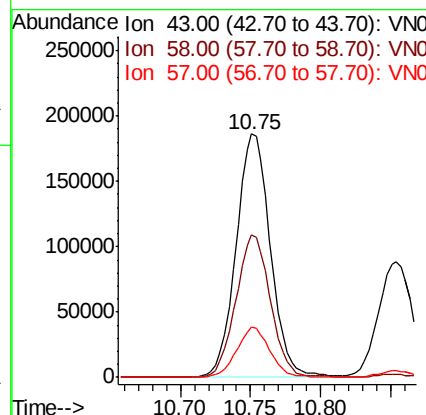
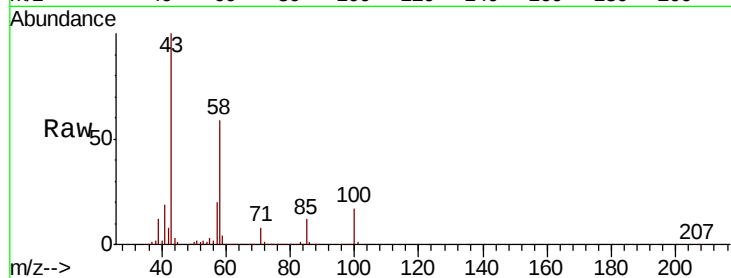




#59
2-Hexanone
Concen: 85.137 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

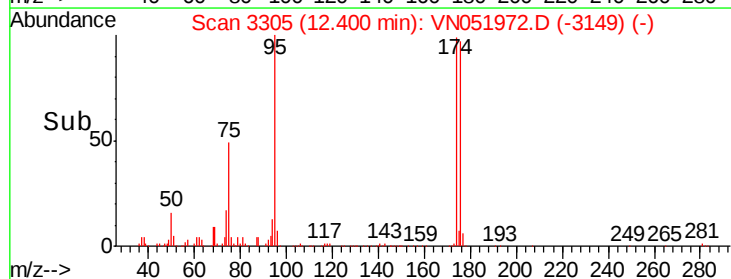
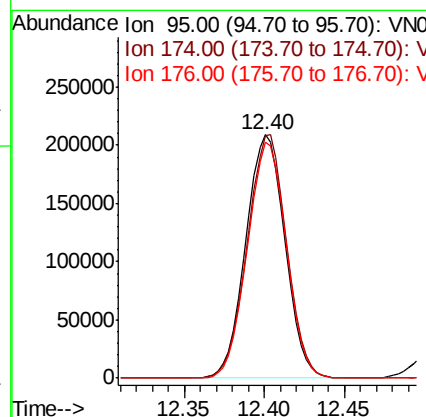
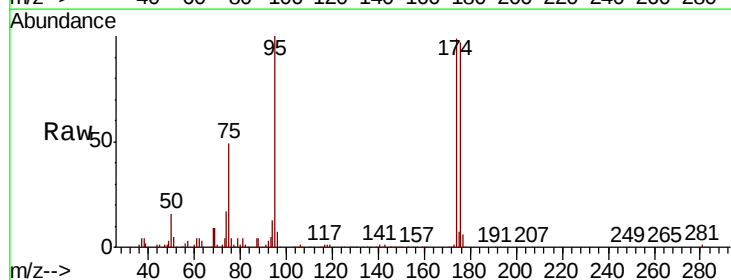
Instrument :
MSVOA_N
ClientSampleId :

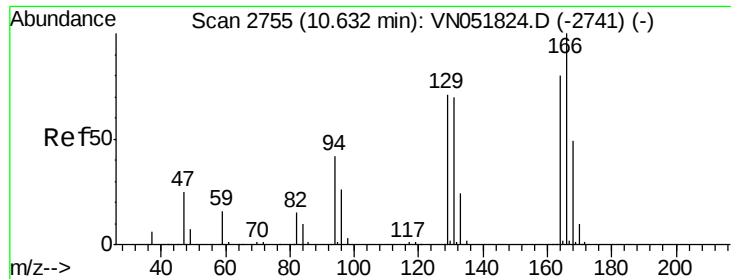
Tot Ion	Ratio	Lower	Upper
43	100		
58	59.2	41.3	61.9
57	19.9	13.4	20.0



#60
4-Bromofluorobenzene
Concen: 85.137 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
95	100		
174	100.2	73.5	110.3
176	96.3	70.2	105.2





#61

Tetrachloroethene

Concen: 19.379 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 203466

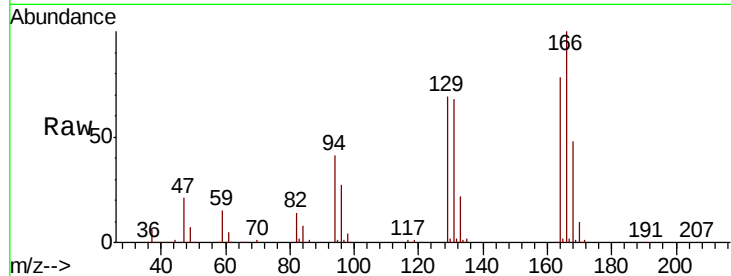
Ion Ratio Lower Upper

164 100

166 127.3 98.7 148.1

129 88.2 69.6 104.4

131 86.1 72.4 108.6

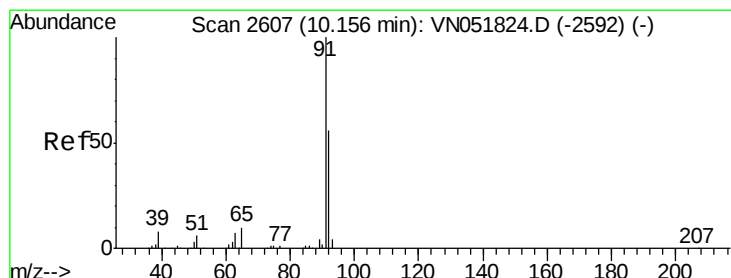
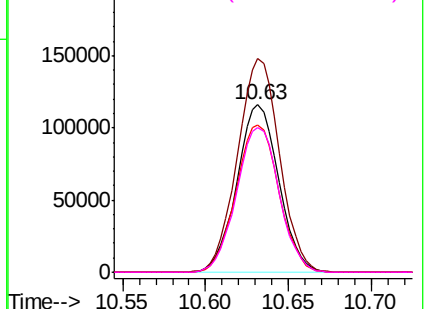
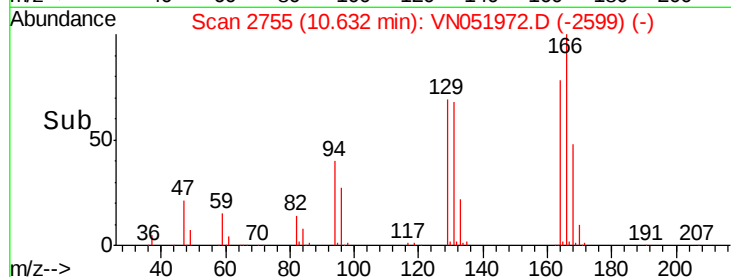


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.789 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051972.D

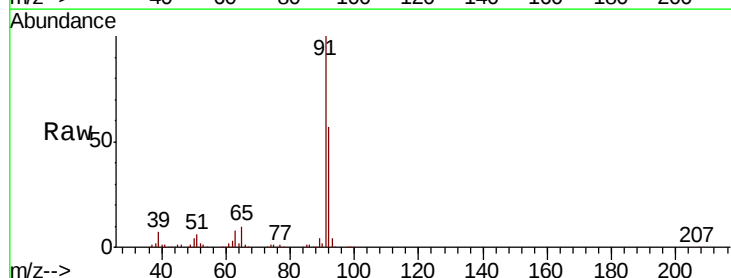
Acq: 23 Oct 2018 19:32

Tgt Ion: 91 Resp: 807122

Ion Ratio Lower Upper

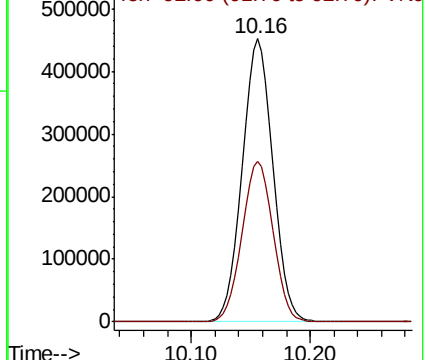
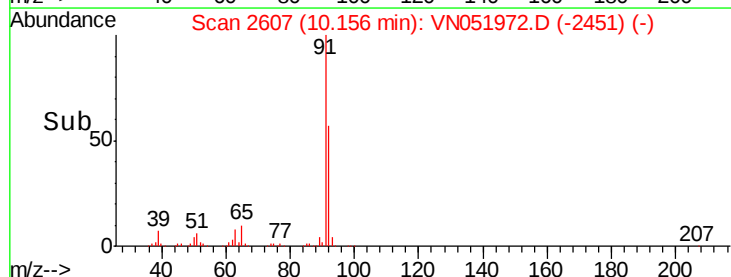
91 100

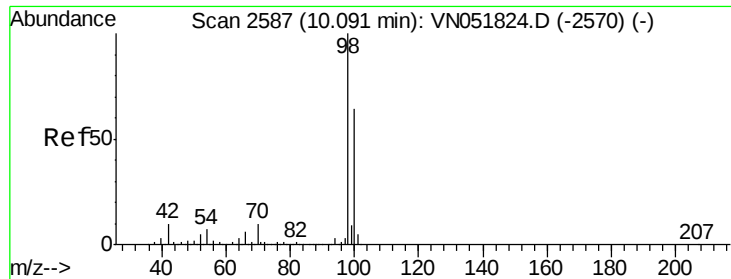
92 57.5 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 19.789 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

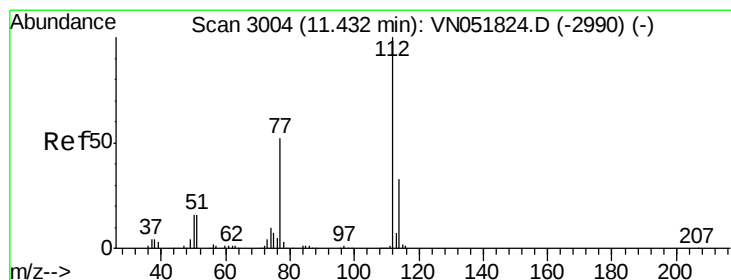
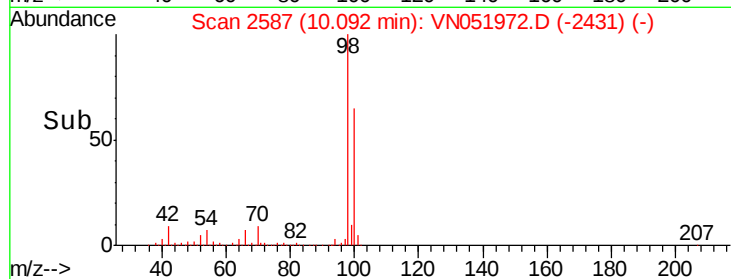
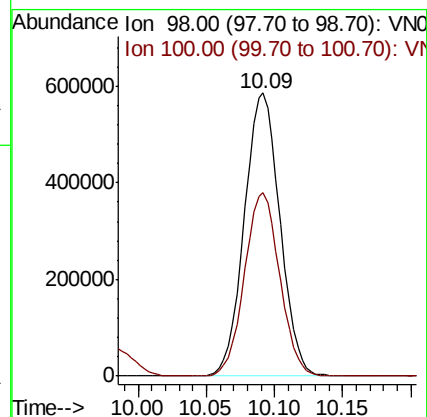
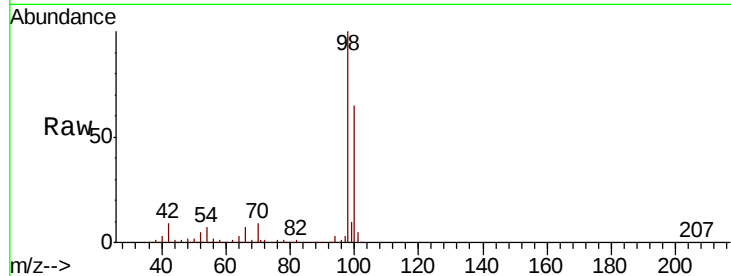
ClientSampleId :

Tot Ion: 98 Resp: 1060328

Ion Ratio Lower Upper

98 100

100 64.1 50.8 76.2



#64

Chlorobenzene

Concen: 20.256 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051972.D

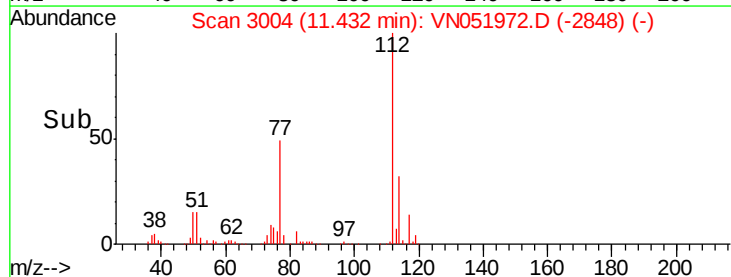
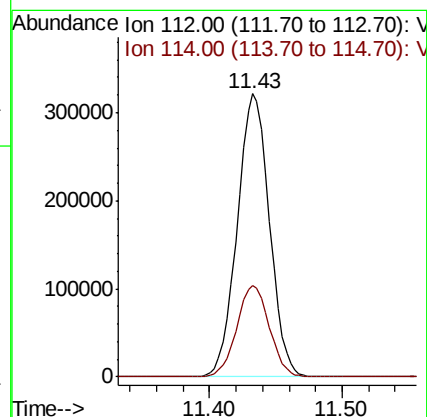
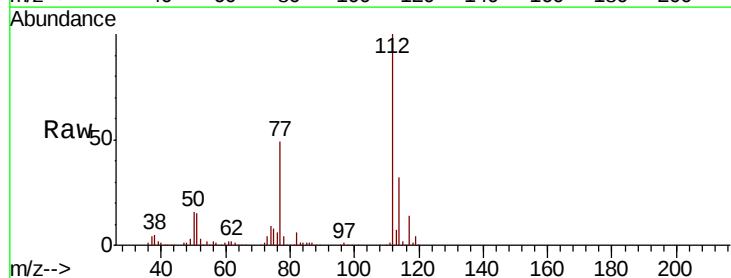
Acq: 23 Oct 2018 19:32

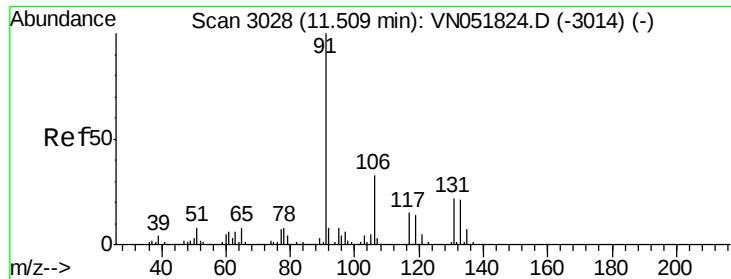
Tgt Ion: 112 Resp: 541070

Ion Ratio Lower Upper

112 100

114 32.3 27.5 41.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.830 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

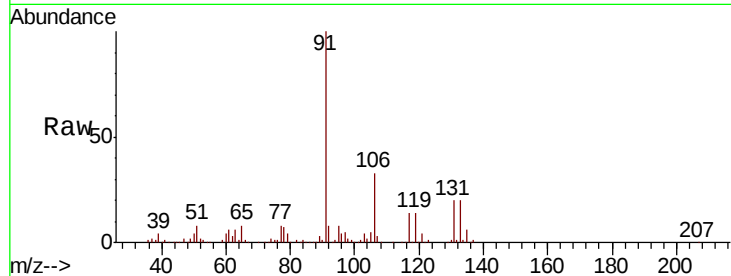
Tot Ion:131 Resp: 193058

Ion Ratio Lower Upper

131 100

133 95.4 0.0 190.4

119 66.3 0.0 128.0

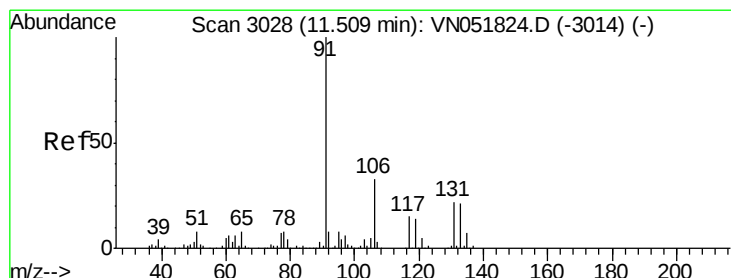
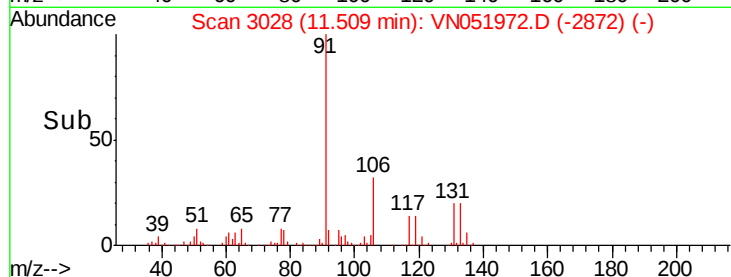
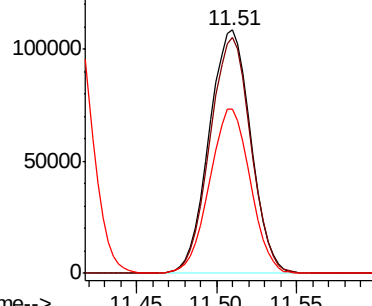


Abundance

Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.712 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051972.D

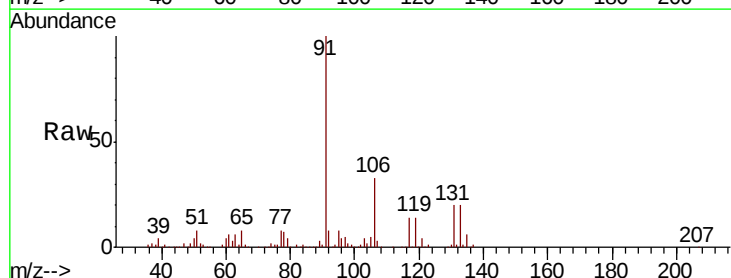
Acq: 23 Oct 2018 19:32

Tgt Ion: 91 Resp: 888582

Ion Ratio Lower Upper

91 100

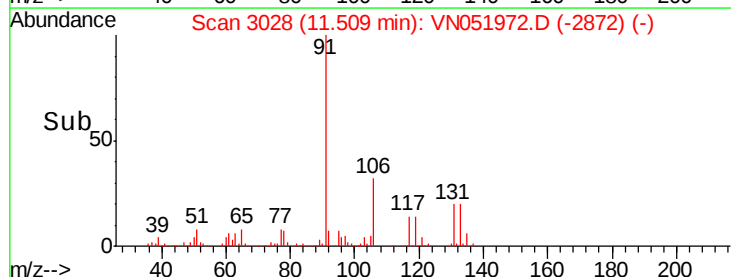
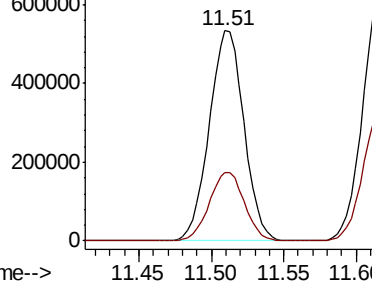
106 32.8 25.9 38.9

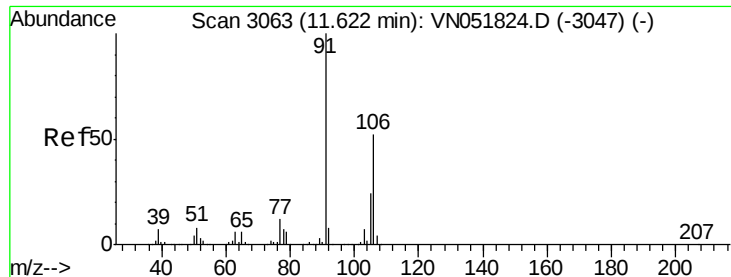


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 39.446 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

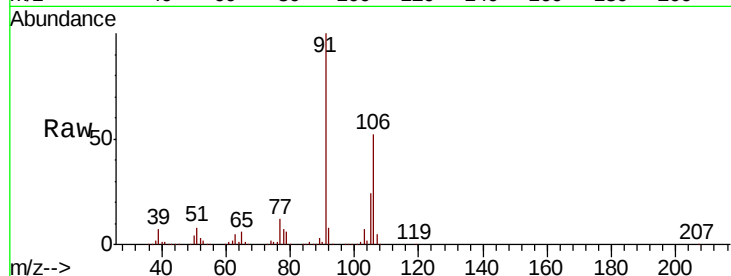
ClientSampled :

Tot Ion:106 Resp: 720882

Ion Ratio Lower Upper

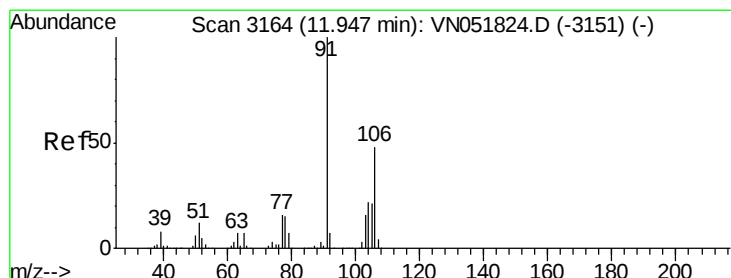
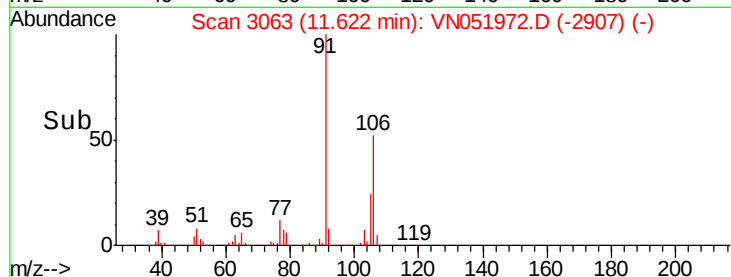
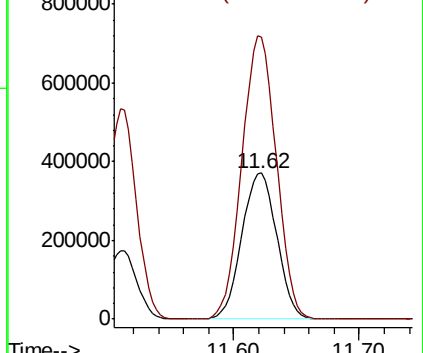
106 100

91 190.8 158.8 238.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.301 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051972.D

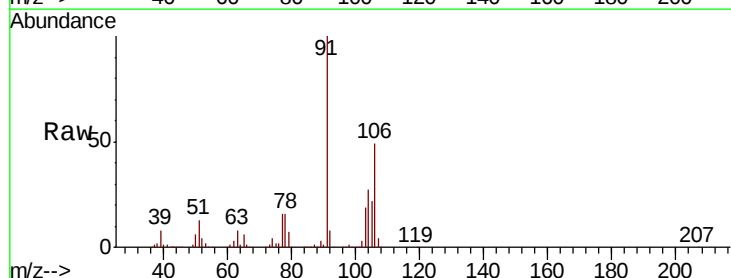
Acq: 23 Oct 2018 19:32

Tgt Ion:106 Resp: 347725

Ion Ratio Lower Upper

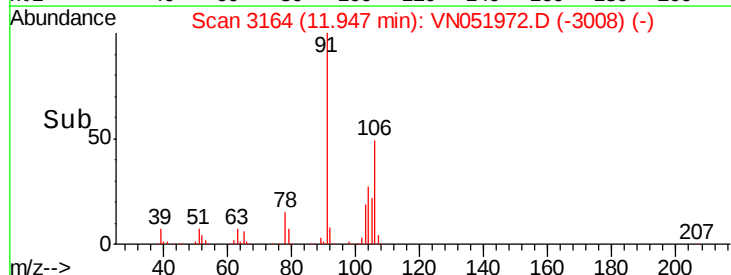
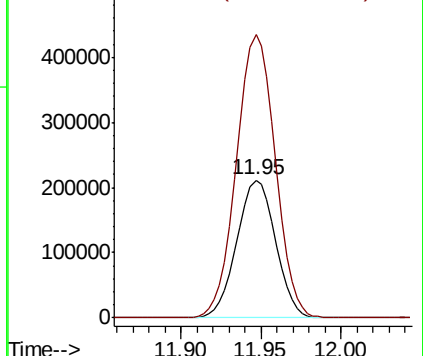
106 100

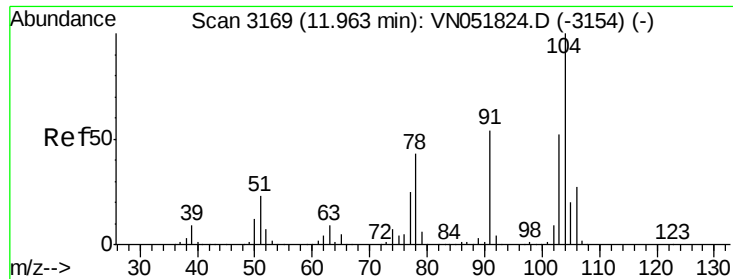
91 206.4 111.1 333.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

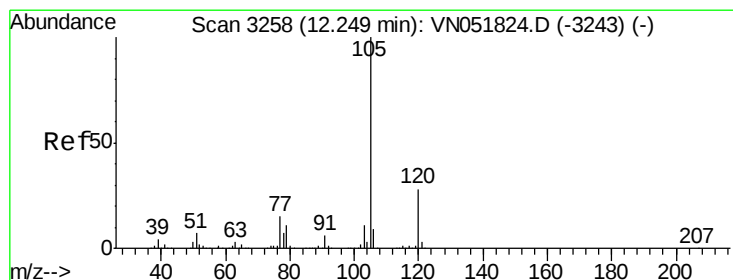
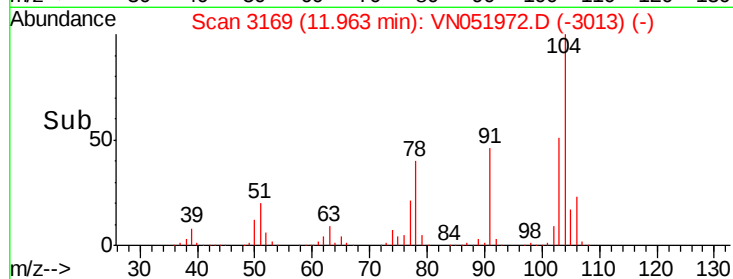
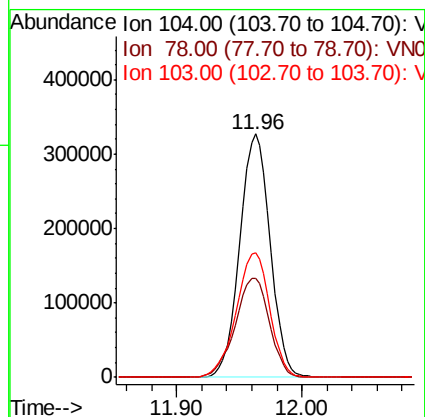
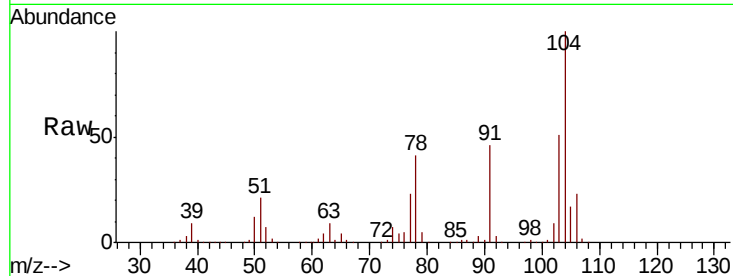




#69
Stvrene
Concen: 19.957 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

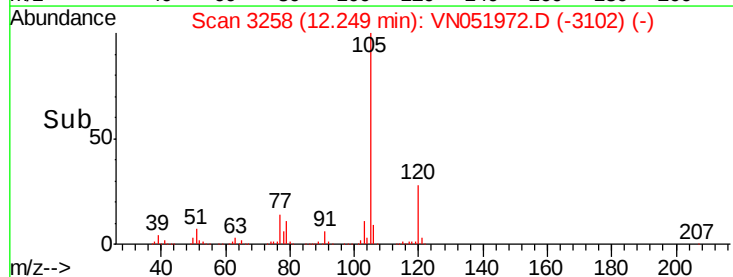
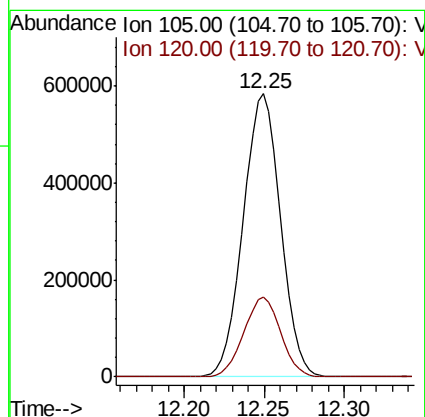
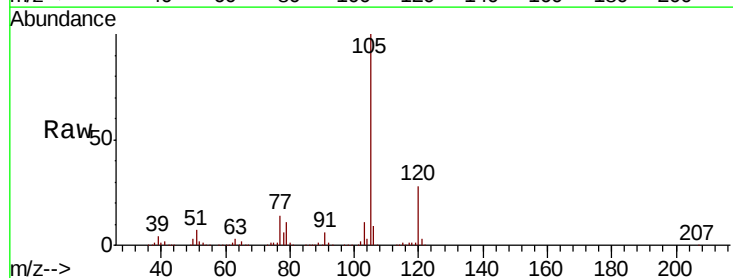
Instrument :
MSVOA_N
ClientSampled :

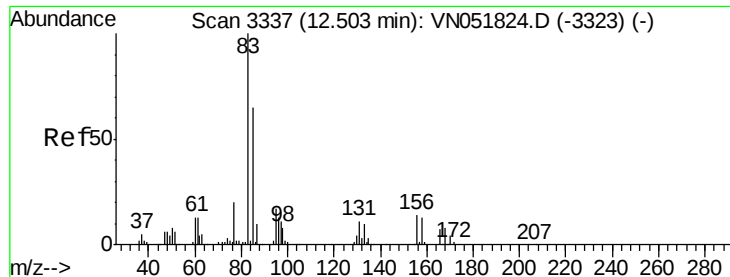
Tot Ion:104 Resp: 551654
Ion Ratio Lower Upper
104 100
78 46.0 40.6 60.8
103 56.1 44.0 66.0



#70
Isopropylbenzene
Concen: 19.376 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion:105 Resp: 930898
Ion Ratio Lower Upper
105 100
120 27.8 19.0 35.4

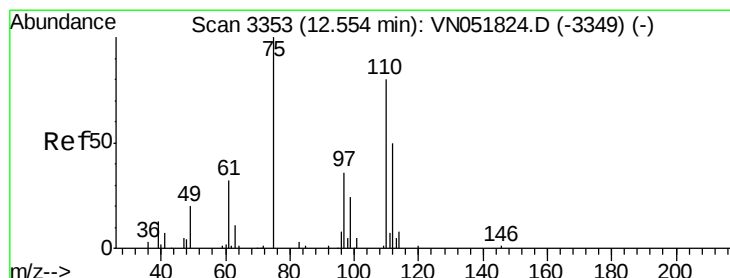
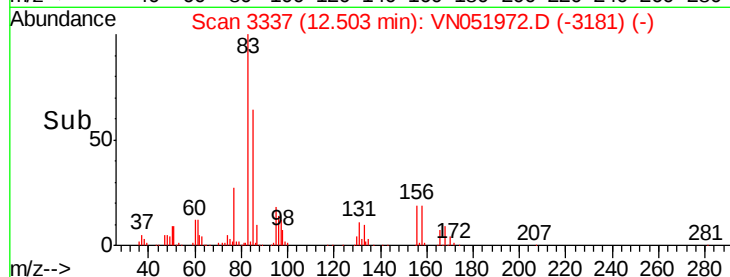
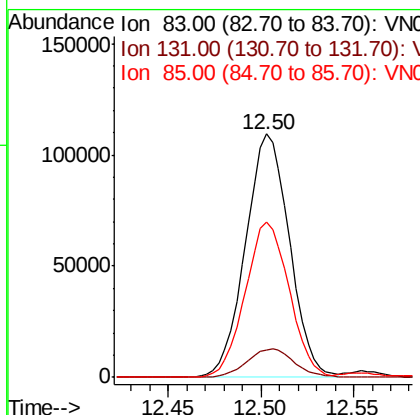
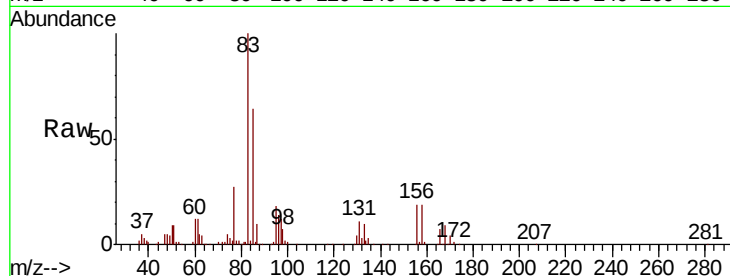




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.988 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

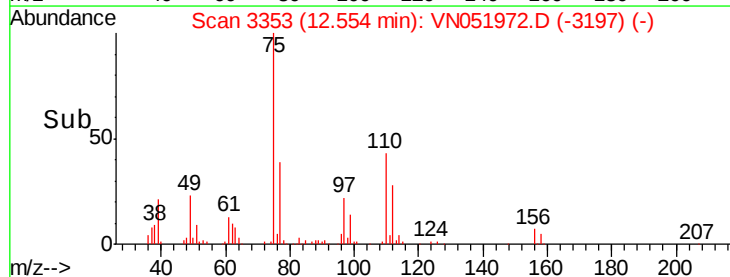
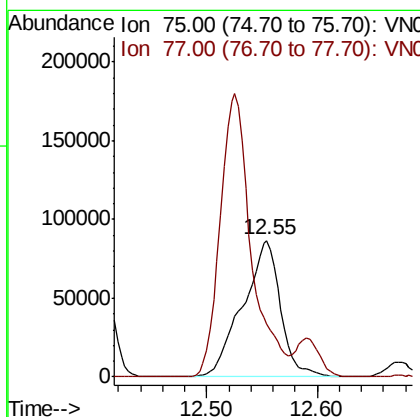
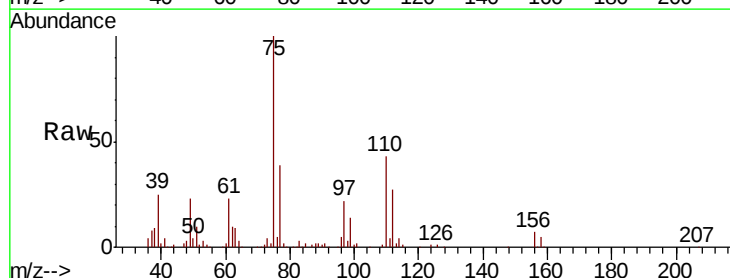
Instrument :
 MSVOA_N
 ClientSampleId :

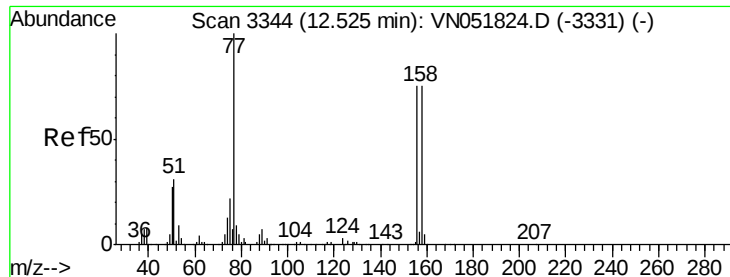
Tot Ion	83	Resp	180159
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	63.9	30.6	91.8



#72
 1,2,3-Trichloropropane
 Concen: 27.601 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	75	Resp	206014
Ion Ratio	100		
Lower	0.0		
Upper	400.0		
77	170.9		





#73

Bromobenzene

Concen: 21.098 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampled :

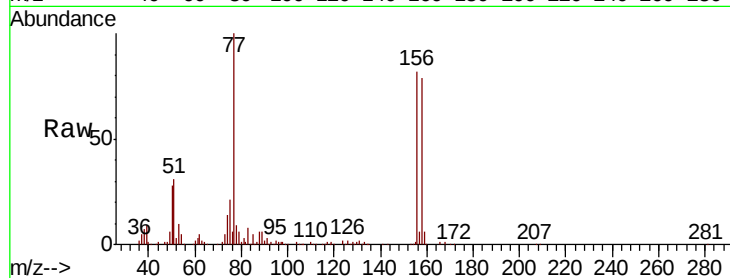
Tot Ion:156 Resp: 251065

Ion Ratio Lower Upper

156 100

77 140.2 0.0 377.4

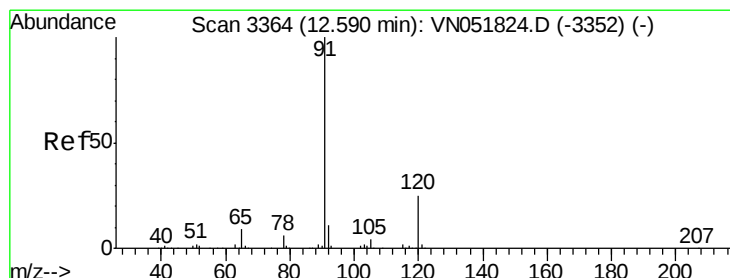
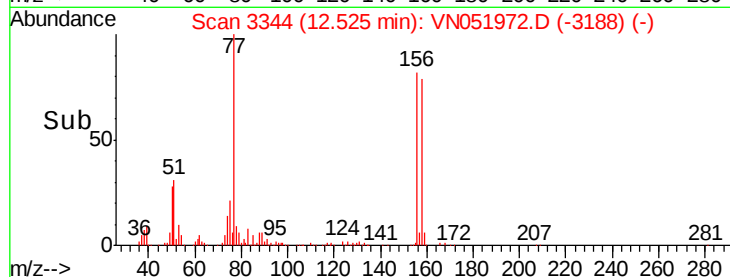
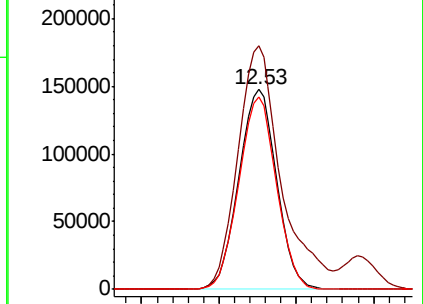
158 96.1 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.517 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051972.D

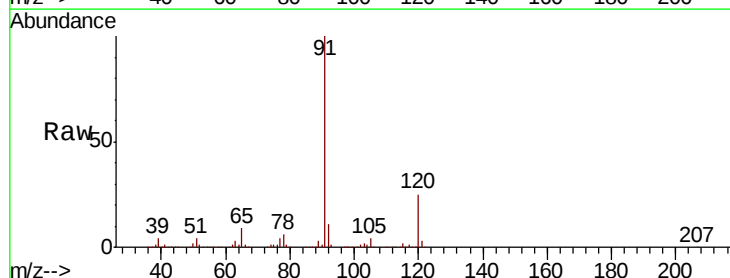
Acq: 23 Oct 2018 19:32

Tgt Ion: 91 Resp: 1008624

Ion Ratio Lower Upper

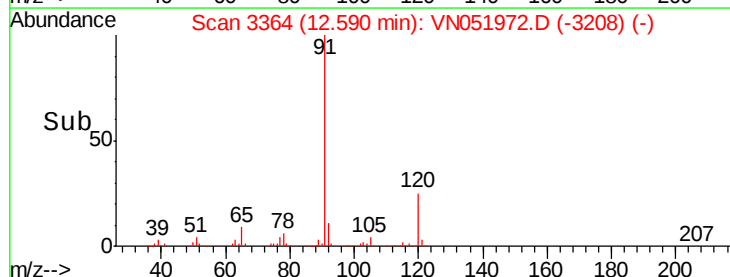
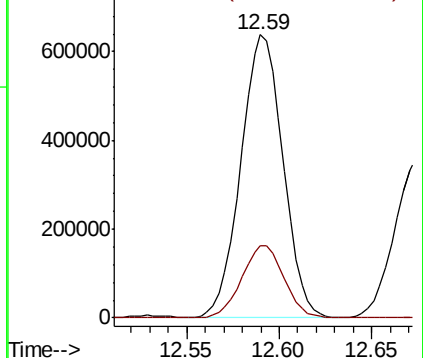
91 100

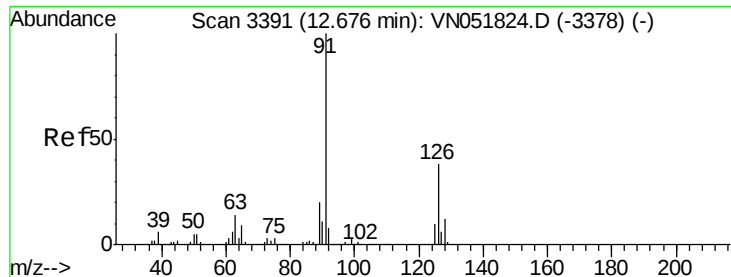
120 25.4 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.317 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

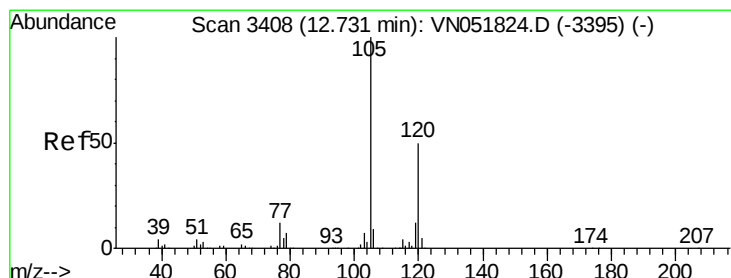
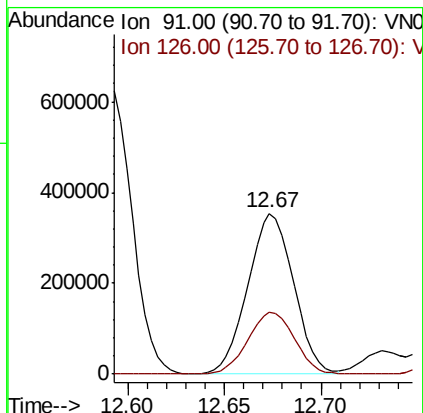
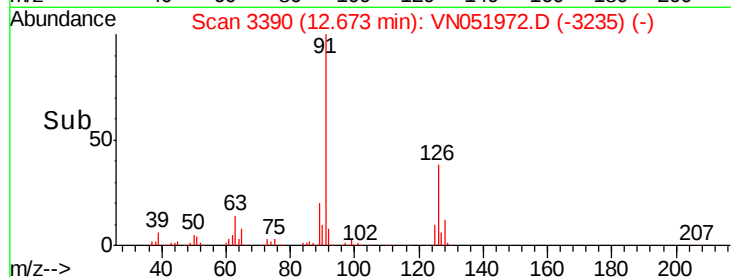
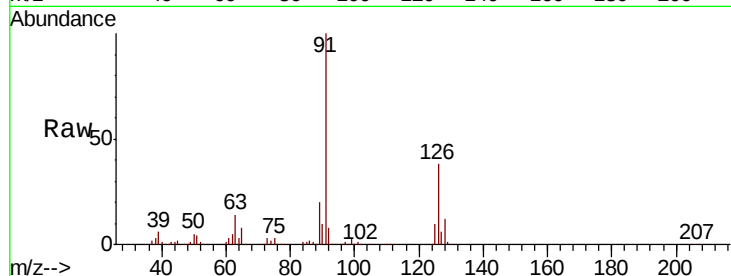
ClientSampleId :

Tot Ion: 91 Resp: 585250

Ion Ratio Lower Upper

91 100

126 39.2 0.0 67.6



#76

1,3,5-Trimethylbenzene

Concen: 19.053 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051972.D

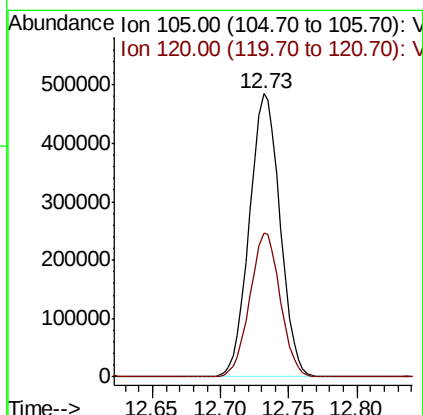
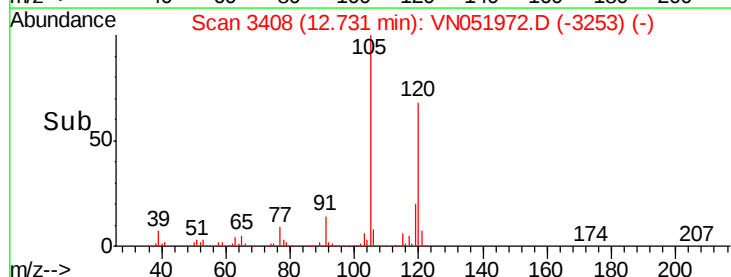
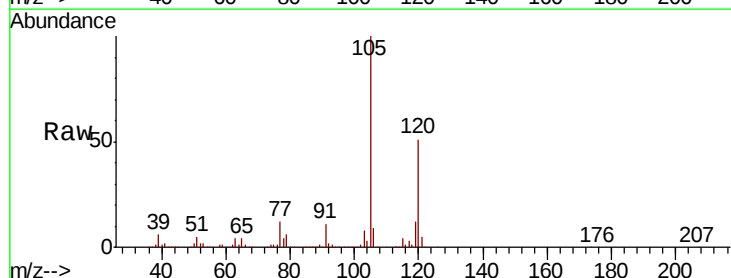
Acq: 23 Oct 2018 19:32

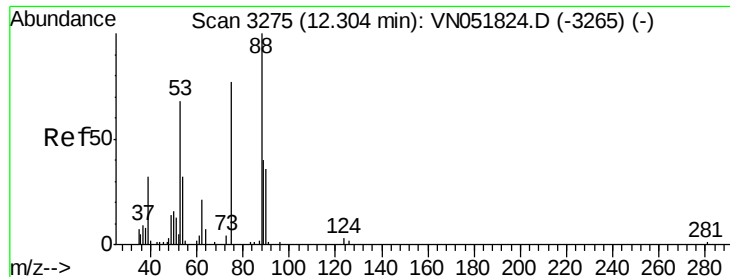
Tgt Ion: 105 Resp: 756966

Ion Ratio Lower Upper

105 100

120 50.6 0.0 98.2





#77

t-1,4-Dichloro-2-butene

Concen: 14.136 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

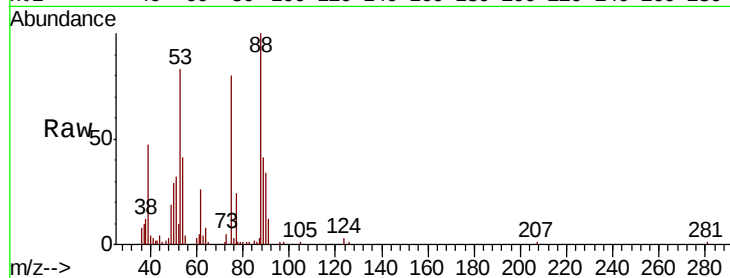
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 34895

Ion	Ratio	Lower	Upper
75	100		
53	102.4	46.3	138.9
89	50.8	24.6	73.8

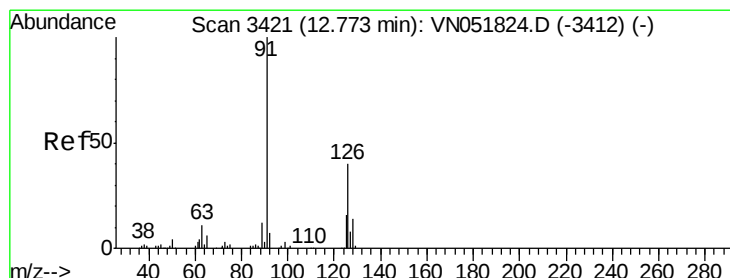
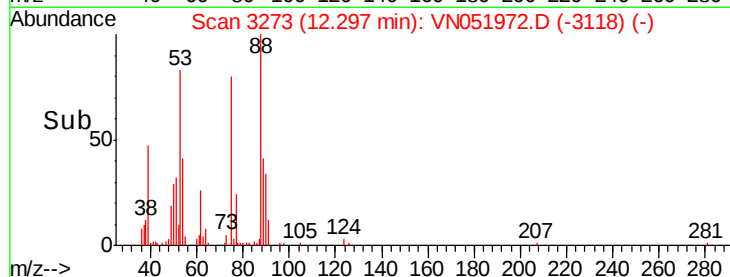
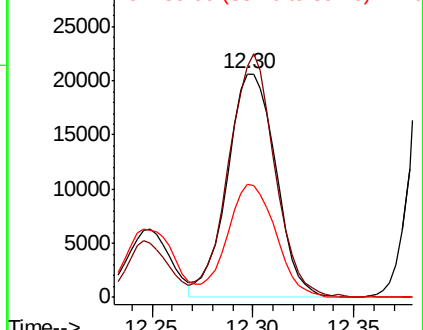


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 20.200 ug/l

RT: 12.77 min Scan# 3421

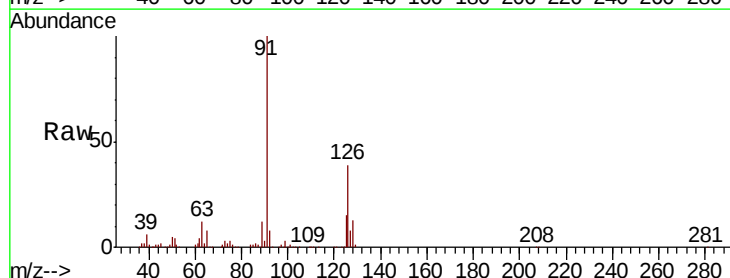
Delta R.T. 0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Tgt Ion: 91 Resp: 601288

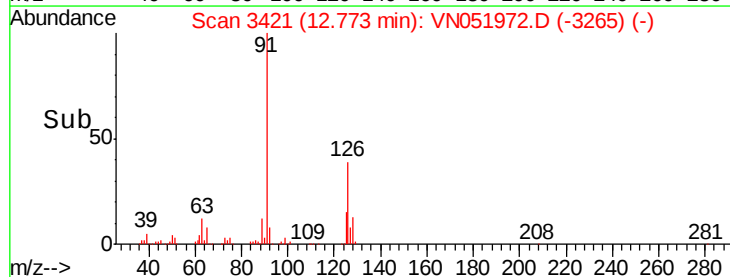
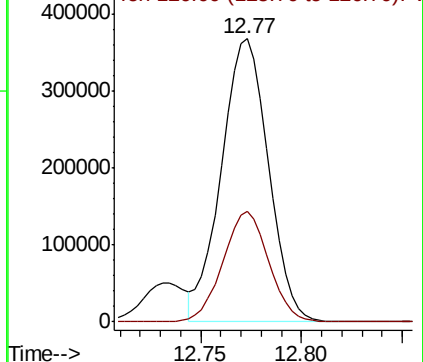
Ion	Ratio	Lower	Upper
91	100		
126	37.9	0.0	65.2

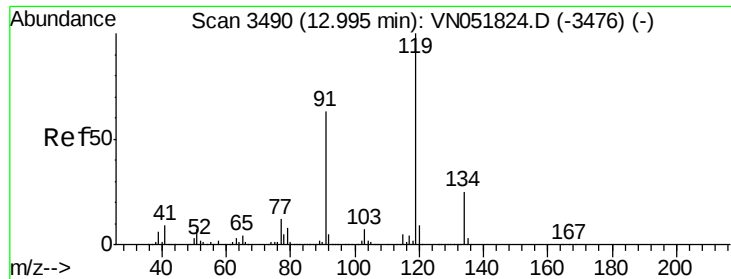


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

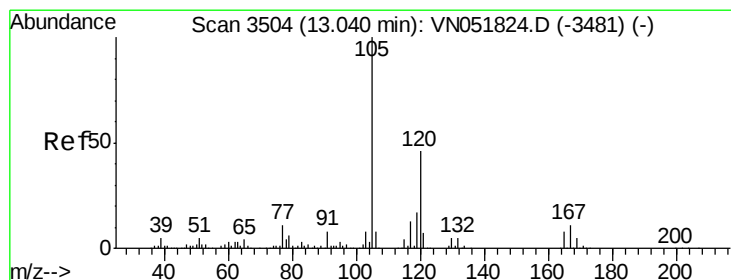
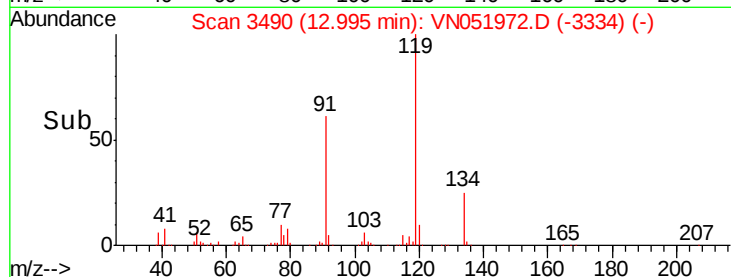
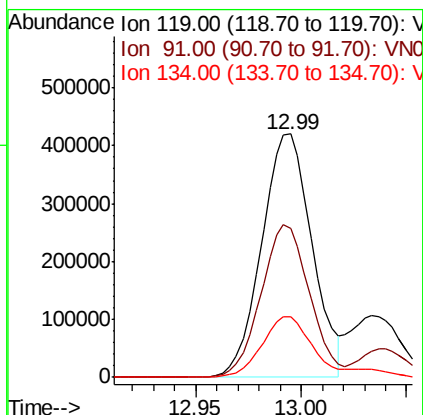
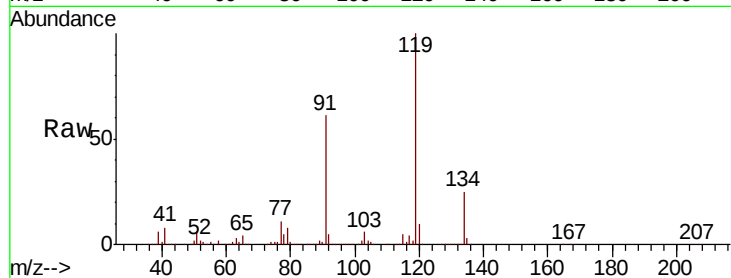




#79
tert-butylbenzene
Concen: 19.094 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

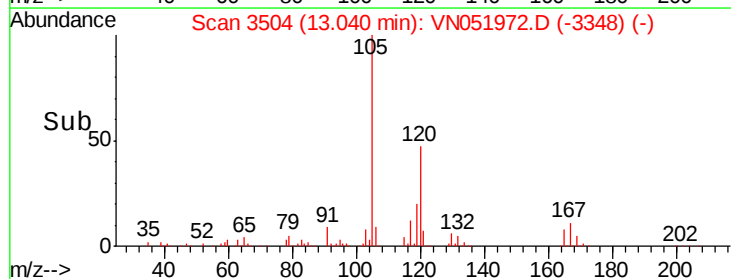
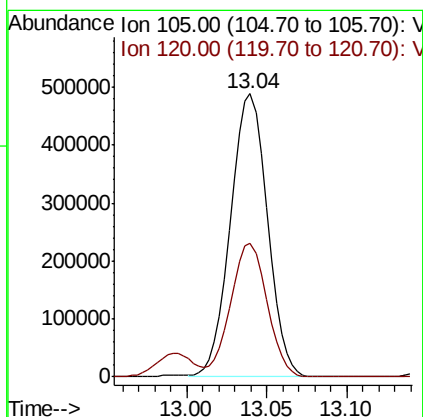
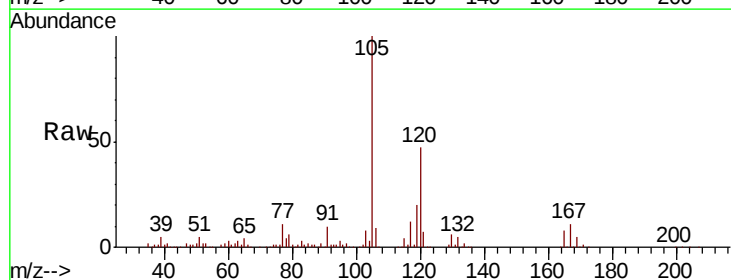
Instrument :
MSVOA_N
ClientSampleId :

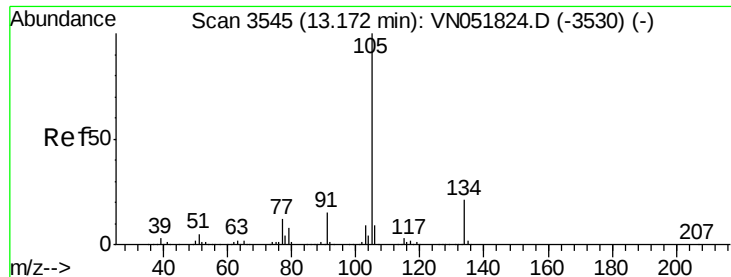
Tot Ion:119 Resp: 697629
Ion Ratio Lower Upper
119 100
91 60.6 0.0 131.6
134 24.5 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 19.347 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion:105 Resp: 768198
Ion Ratio Lower Upper
105 100
120 46.6 0.0 89.6

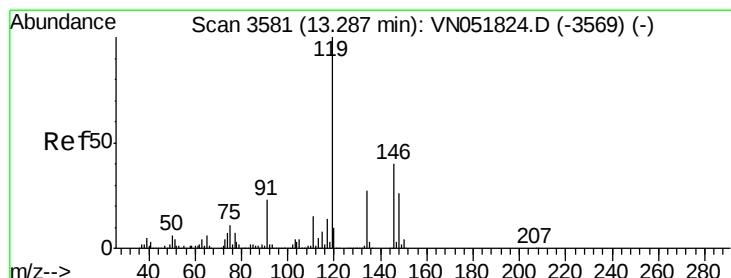
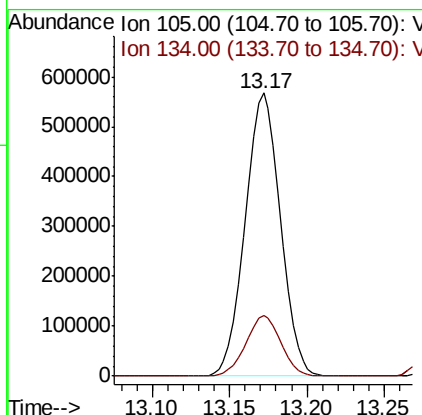
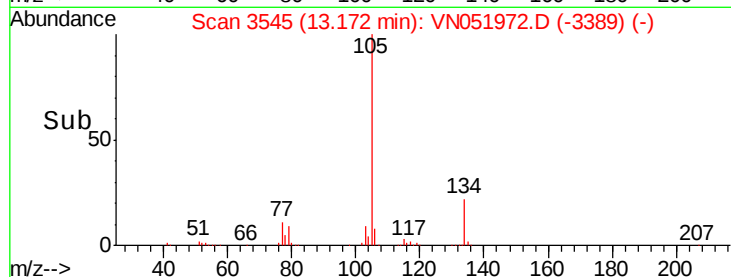
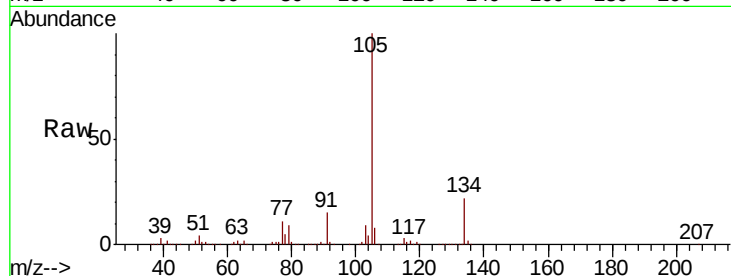




#81
 sec-Butylbenzene
 Concen: 18.840 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

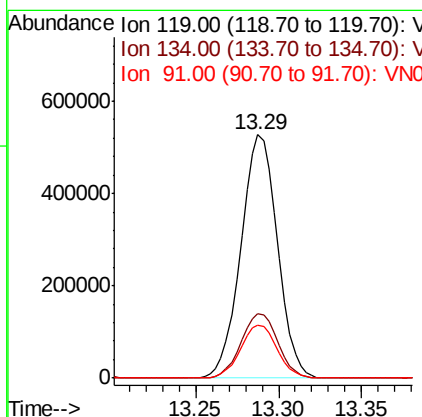
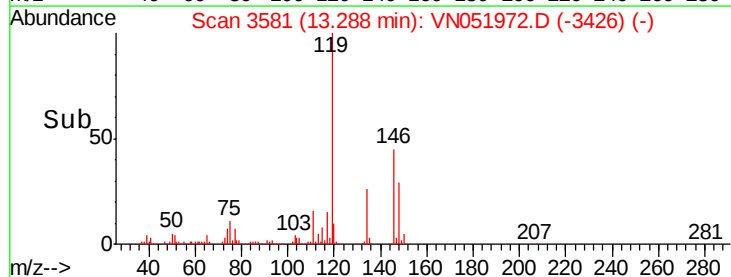
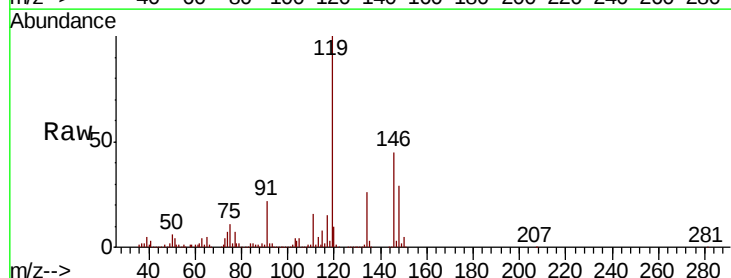
Instrument :
 MSVOA_N
 ClientSampleId :

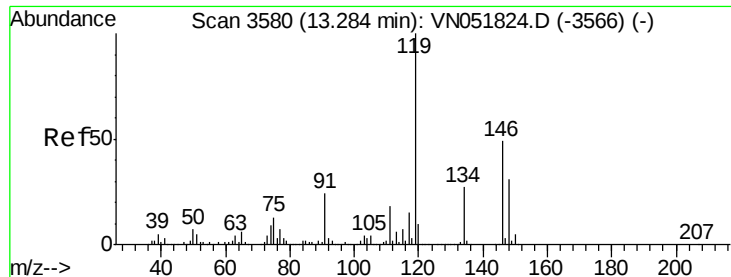
Tot Ion:105 Resp: 900439
 Ion Ratio Lower Upper
 105 100
 134 21.4 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 18.831 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion:119 Resp: 805376
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.6
 91 21.8 0.0 52.0

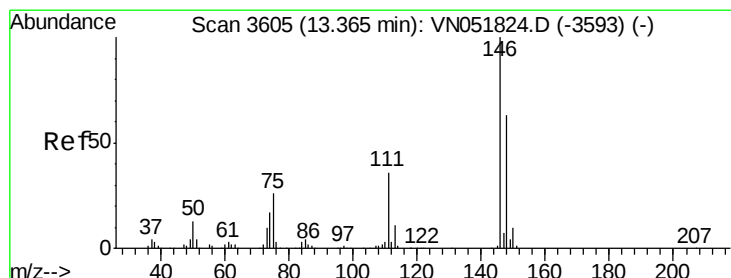
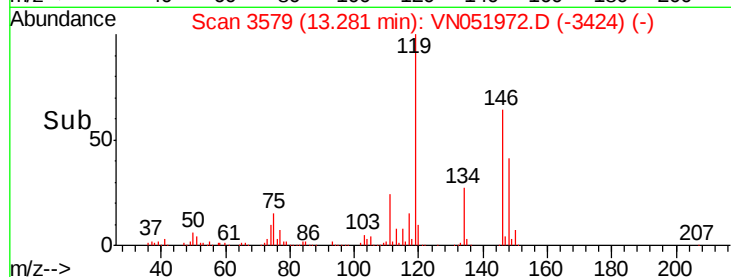
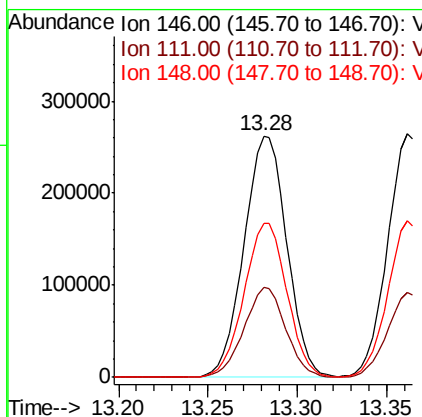
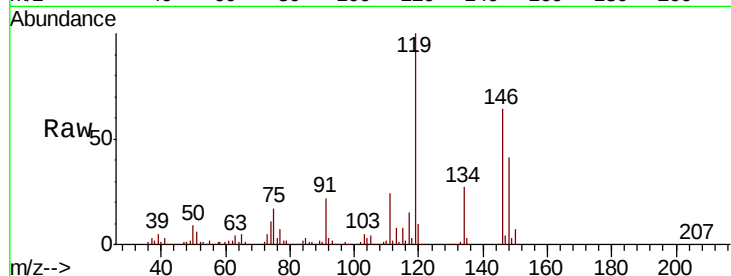




#83
 1,3-Dichlorobenzene
 Concen: 20.934 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

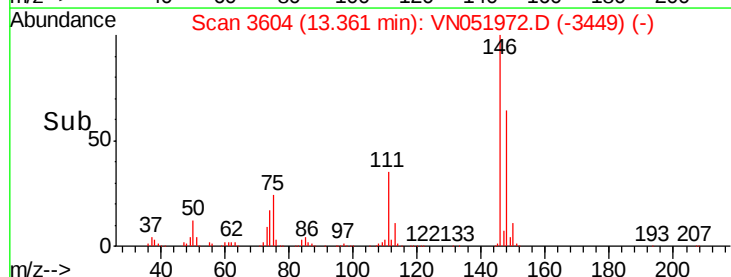
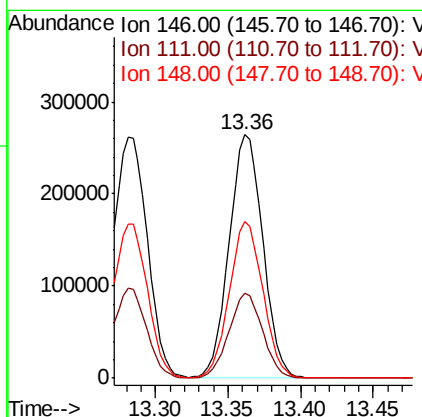
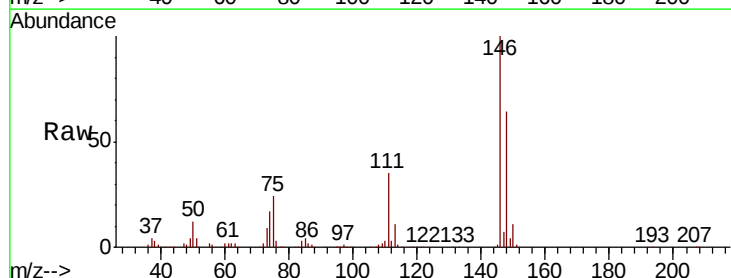
Instrument :
 MSVOA_N
 ClientSampleId :

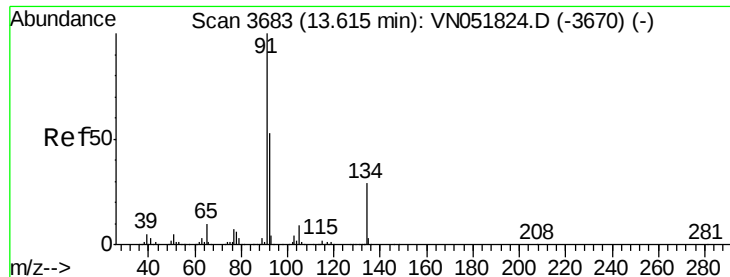
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.3
148	63.9	31.3	93.8



#84
 1,4-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.4	52.2
148	63.9	32.8	98.3

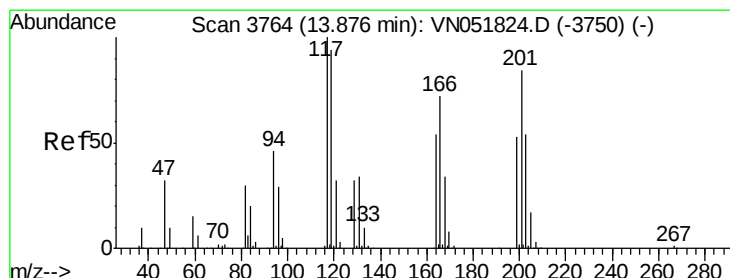
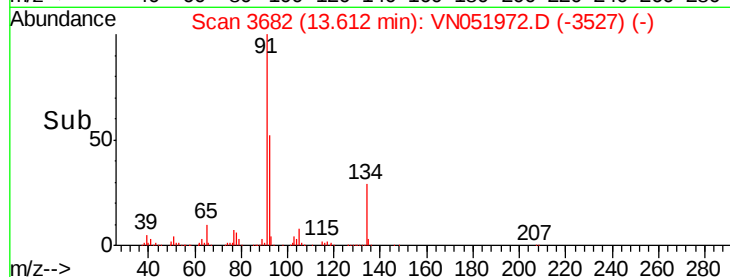
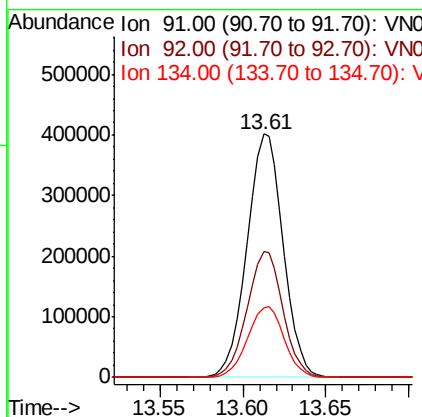
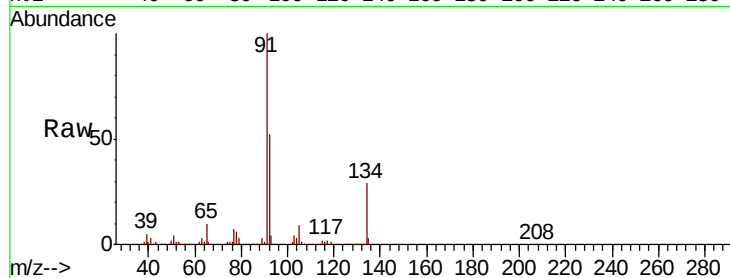




#85
n-Butylbenzene
Concen: 18.886 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

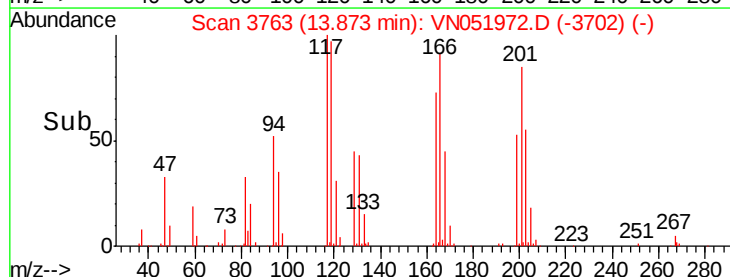
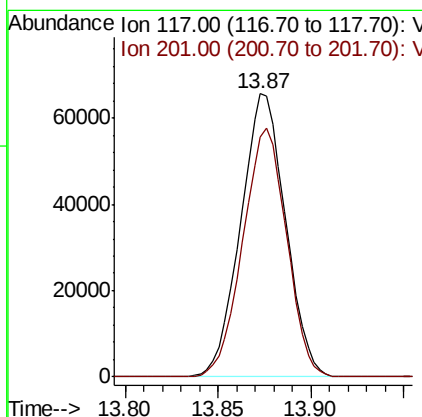
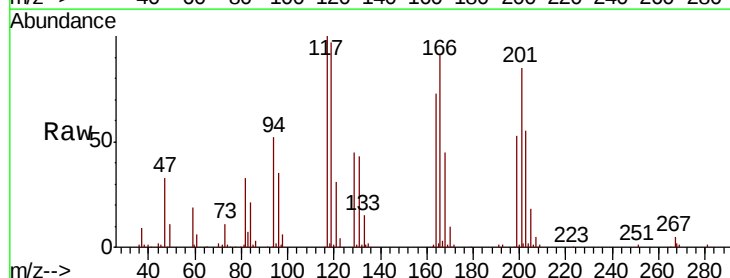
Instrument :
MSVOA_N
ClientSampled :

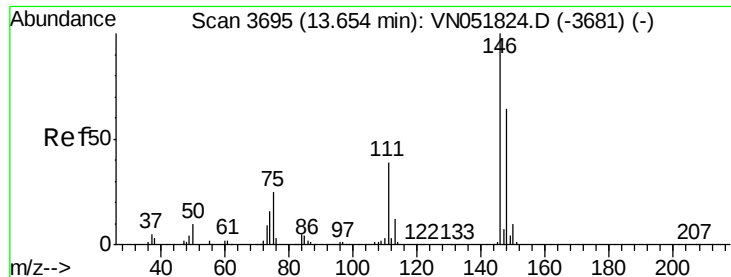
Tot Ion: 91 Resp: 609100
Ion Ratio Lower Upper
91 100
92 51.2 0.0 97.4
134 29.4 0.0 49.6



#86
Hexachloroethane
Concen: 14.935 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion: 117 Resp: 110142
Ion Ratio Lower Upper
117 100
201 85.7 47.8 143.3





#87

1,2-Dichlorobenzene

Concen: 20.412 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

Instrument :

MSVOA_N

ClientSampleId :

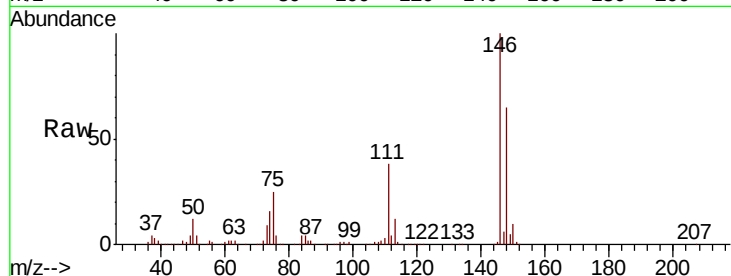
Tot Ion:146 Resp: 414950

Ion Ratio Lower Upper

146 100

111 37.6 20.8 62.2

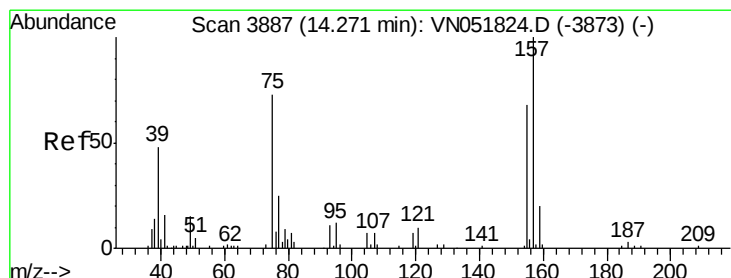
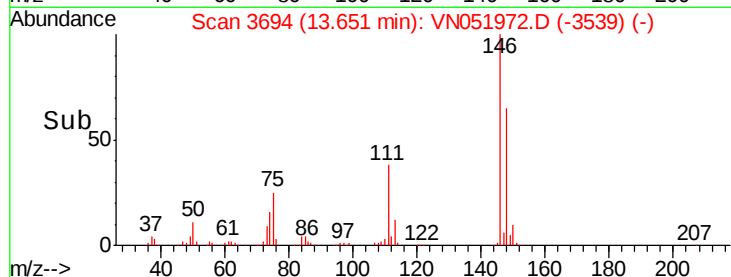
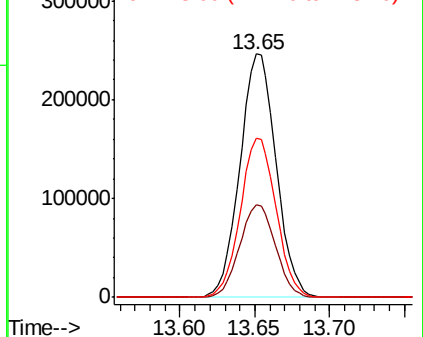
148 64.6 33.2 99.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 14.387 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051972.D

Acq: 23 Oct 2018 19:32

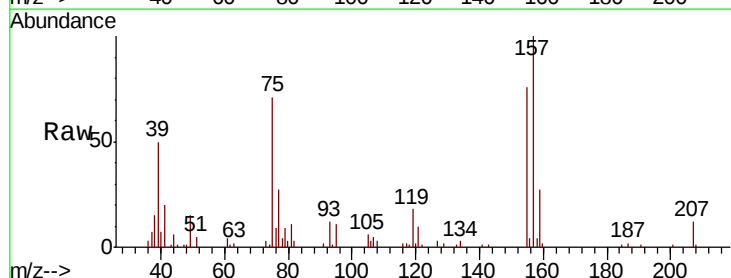
Tgt Ion: 75 Resp: 20385

Ion Ratio Lower Upper

75 100

155 108.8 57.0 85.6#

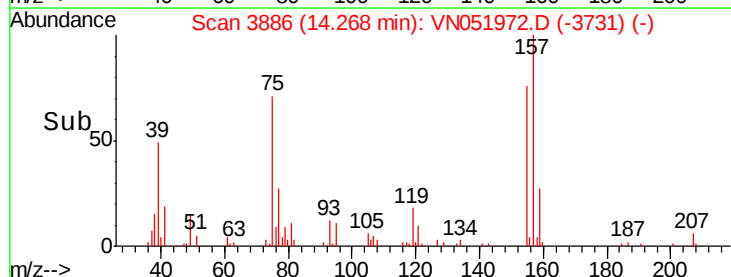
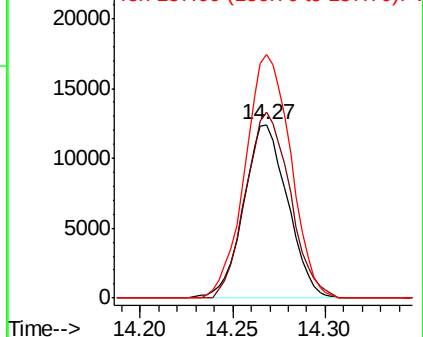
157 146.1 87.4 131.0#

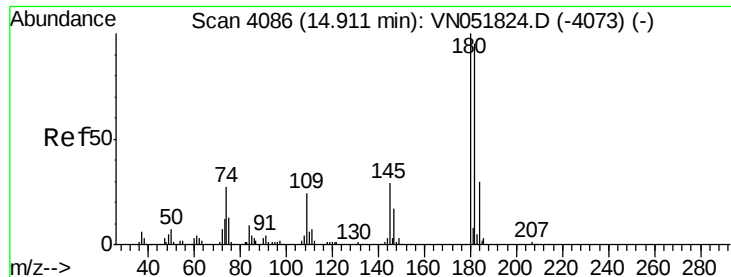


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

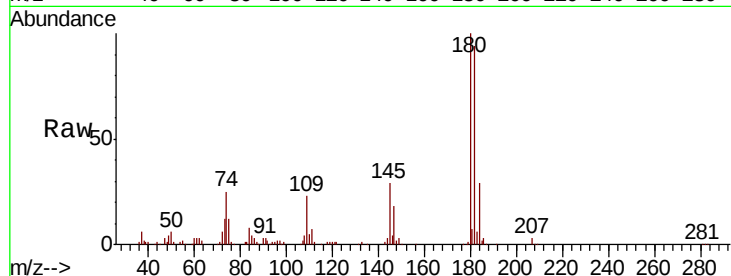




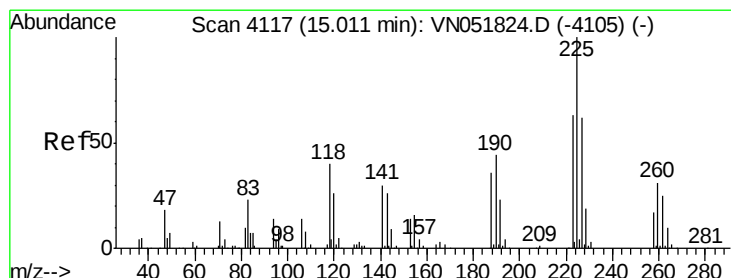
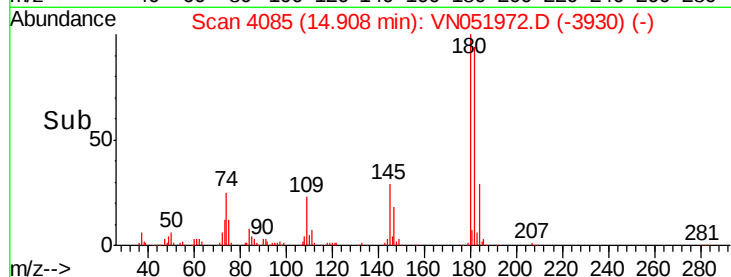
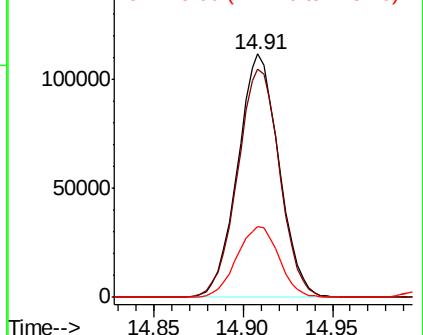
#89
 1,2,4-Trichlorobenzene
 Concen: 21.133 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.7	116.5
145	29.7	23.4	35.2

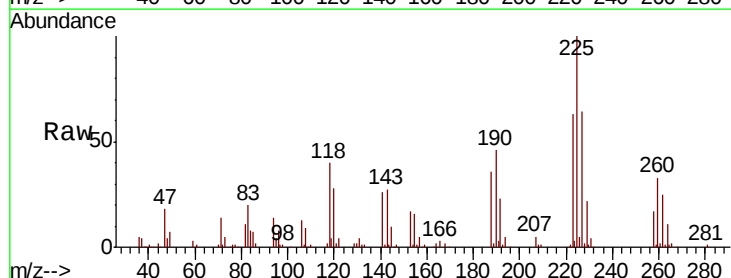


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

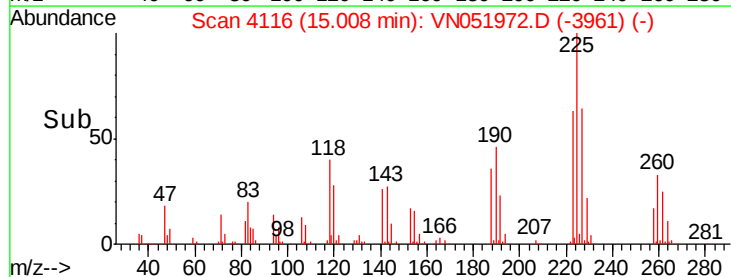
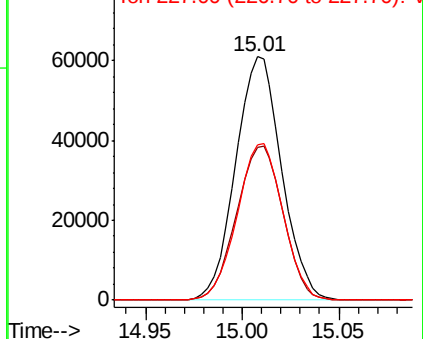


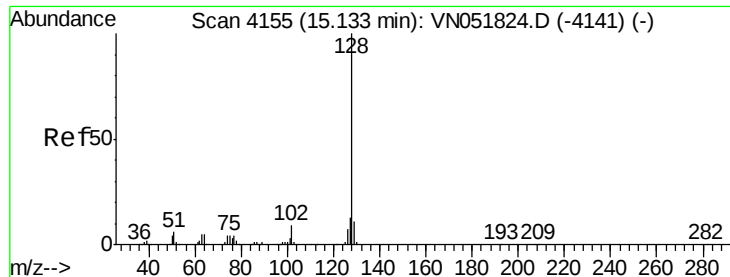
#90
 Hexachlorobutadiene
 Concen: 15.388 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051972.D
 Acq: 23 Oct 2018 19:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	0.0	117.0
227	63.9	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

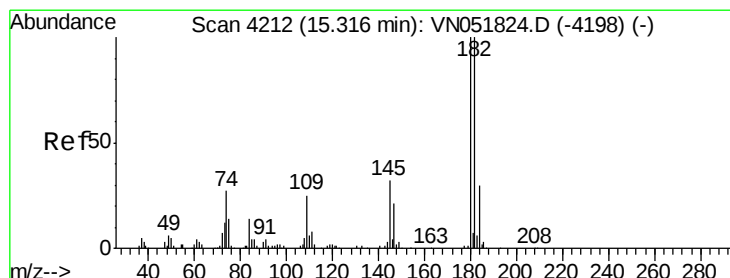
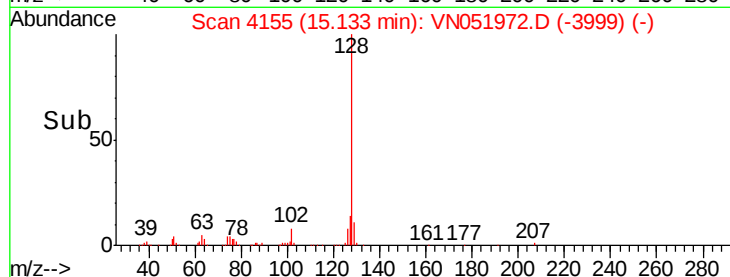
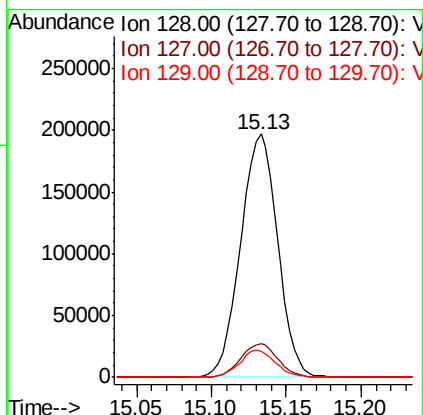
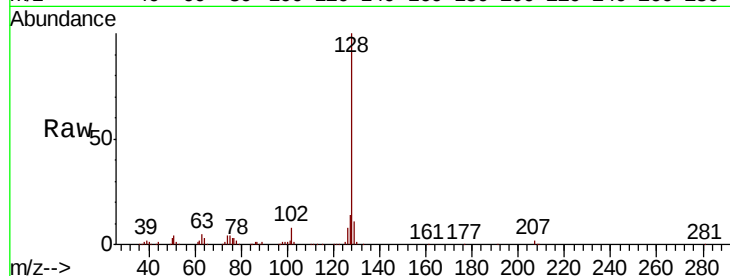




#91
Naphthalene
Concen: 20.782 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 340580
Ion Ratio Lower Upper
128 100
127 13.9 10.1 15.1
129 10.7 8.4 12.6



#92
1,2,3-Trichlorobenzene
Concen: 16.140 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051972.D
Acq: 23 Oct 2018 19:32

Tgt Ion:180 Resp: 149281
Ion Ratio Lower Upper
180 100
182 97.0 0.0 198.0
145 32.4 0.0 36.8

