

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102318\
 Data File : VN051969.D
 Acq On : 23 Oct 2018 18:12
 Operator : MD\SY
 Sample : VN1023WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 24 07:29:48 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	155758	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	904640	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	817444	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	285905	30.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.57%
60) 4-Bromofluorobenzene	12.40	95	354034	30.03	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.10%
63) Toluene-d8	10.09	98	1056653	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	136172	22.503	ug/l 98
3) Chloromethane	2.06	50	121030	18.925	ug/l 97
4) Vinyl Chloride	2.19	62	156758	16.413	ug/l 97
5) Bromomethane	2.58	94	158915	18.832	ug/l 88
6) Chloroethane	2.71	64	114527	16.639	ug/l 97
7) Trichlorofluoromethane	3.03	101	284152	20.869	ug/l 98
8) Diethyl Ether	3.42	74	82753	20.877	ug/l 70
9) 1,1,2-Trichlorotrifluoroet	3.77	101	174042	22.444	ug/l # 41
10) 1,1-Dichloroethene	3.75	96	151287	21.096	ug/l 81
11) Methyl Iodide	3.96	142	257173	24.669	ug/l 95
12) Methyl Acetate	4.33	43	86632	19.454	ug/l 98
13) Acrolein	3.61	56	5202	17.730	ug/l # 34
14) Acrylonitrile	4.99	53	193613	97.280	ug/l # 62
15) Acetone	3.82	58	43695	88.812	ug/l 100
16) Carbon Disulfide	4.06	76	345010	18.319	ug/l 98
17) Allyl chloride	4.33	41	145218	17.057	ug/l 77
18) Methylene Chloride	4.56	84	174053	21.707	ug/l 88
19) trans-1,2-Dichloroethene	5.05	96	168300	20.553	ug/l # 78
20) Diisopropyl ether	5.96	45	373032	19.673	ug/l # 82
21) 1,1-Dichloroethane	5.85	63	271744	20.510	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	200143	20.809	ug/l # 80
23) tert-Butyl Alcohol	4.78	59	41783	79.712	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	398723	19.298	ug/l # 70
25) Chloroform	7.37	83	333116	21.193	ug/l 99
26) Cyclohexane	7.66	56	209567	18.657	ug/l # 66
29) 1,1-Dichloropropene	7.80	75	228027	19.555	ug/l 92
30) 2-Butanone	6.84	43	200770	82.375	ug/l # 84
31) 2,2-Dichloropropane	6.83	77	246035	17.936	ug/l # 89
32) 1,1,1-Trichloroethane	7.58	97	302676	19.578	ug/l 94
33) Carbon Tetrachloride	7.78	117	267820	19.148	ug/l 92
34) Benzene	8.04	78	701013	20.323	ug/l # 66
35) Methacrylonitrile	7.17	41	34923	10.906	ug/l # 68
36) 1,2-Dichloroethane	8.13	62	219092	19.823	ug/l # 94
37) Trichloroethene	8.84	130	220230	20.568	ug/l 96
38) Methylcyclohexane	9.08	83	277634	18.563	ug/l 78
39) 1,2-Dichloropropane	9.12	63	160135	19.714	ug/l 98
40) Dibromomethane	9.21	93	122152	20.261	ug/l 94

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	240332	19.300	ug/l	94
42) Vinyl Acetate	5.90	43	1208922	88.113	ug/l #	88
43) Ethyl Acetate	6.93	43	89459	16.904	ug/l	100
44) Isopropyl Acetate	8.17	43	178873	16.922	ug/l	100
45) 1,4-Dioxane	9.20	88	32688	385.122	ug/l #	74
46) Methyl methacrylate	9.20	41	90606	18.583	ug/l	68
47) n-amyl Acetate	12.25	43	2625	0.297	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	211963	17.455	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	252750	18.881	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	168478	20.226	ug/l	94
51) Ethyl methacrylate	10.43	69	175973	18.452	ug/l	82
52) 1,3-Dichloropropane	10.71	76	257773	20.051	ug/l	97
53) Dibromochloromethane	10.90	129	184679	17.922	ug/l	96
54) 1,2-Dibromoethane	11.00	107	174706	19.982	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	466636	114.460	ug/l #	91
56) Bromoform	12.13	173	106892	15.728	ug/l	95
58) 4-Methyl-2-Pentanone	9.98	43	484784	88.621	ug/l #	86
59) 2-Hexanone	10.75	43	321636	87.153	ug/l #	90
61) Tetrachloroethene	10.63	164	205694	19.676	ug/l	97
62) Toluene	10.16	91	830399	20.448	ug/l	98
64) Chlorobenzene	11.43	112	550433	20.696	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	201556	19.744	ug/l	99
66) Ethyl Benzene	11.51	91	899116	20.033	ug/l	99
67) m/p-Xylenes	11.62	106	730337	40.137	ug/l	95
68) o-Xylene	11.95	106	355600	19.824	ug/l	87
69) Styrene	11.96	104	563670	20.481	ug/l	96
70) Isopropylbenzene	12.25	105	945966	19.776	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	184520	19.533	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	213085	28.673	ug/l	79
73) Bromobenzene	12.53	156	257698	21.749	ug/l	76
74) n-propylbenzene	12.59	91	1023912	19.900	ug/l	94
75) 2-Chlorotoluene	12.67	91	603647	20.011	ug/l	90
76) 1,3,5-Trimethylbenzene	12.73	105	776408	19.628	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	35882	14.599	ug/l	98
78) 4-Chlorotoluene	12.77	91	615982	20.784	ug/l	89
79) tert-butylbenzene	12.99	119	718403	19.749	ug/l	94
80) 1,2,4-Trimethylbenzene	13.04	105	796801	20.155	ug/l	97
81) sec-Butylbenzene	13.17	105	943681	19.830	ug/l	96
82) p-Isopropyltoluene	13.29	119	853465	20.042	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	455103	21.768	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	452220	22.976	ug/l	98
85) n-Butylbenzene	13.61	91	655716	20.420	ug/l	94
86) Hexachloroethane	13.87	117	122007	16.617	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	447910	22.129	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26760	18.969	ug/l #	72
89) 1,2,4-Trichlorobenzene	14.91	180	241501	25.805	ug/l	98
90) Hexachlorobutadiene	15.01	225	134445	20.611	ug/l	97
91) Naphthalene	15.13	128	519913	27.313	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	228906	24.857	ug/l	93

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QLast Update : Fri Oct 12 10:23:44 2018
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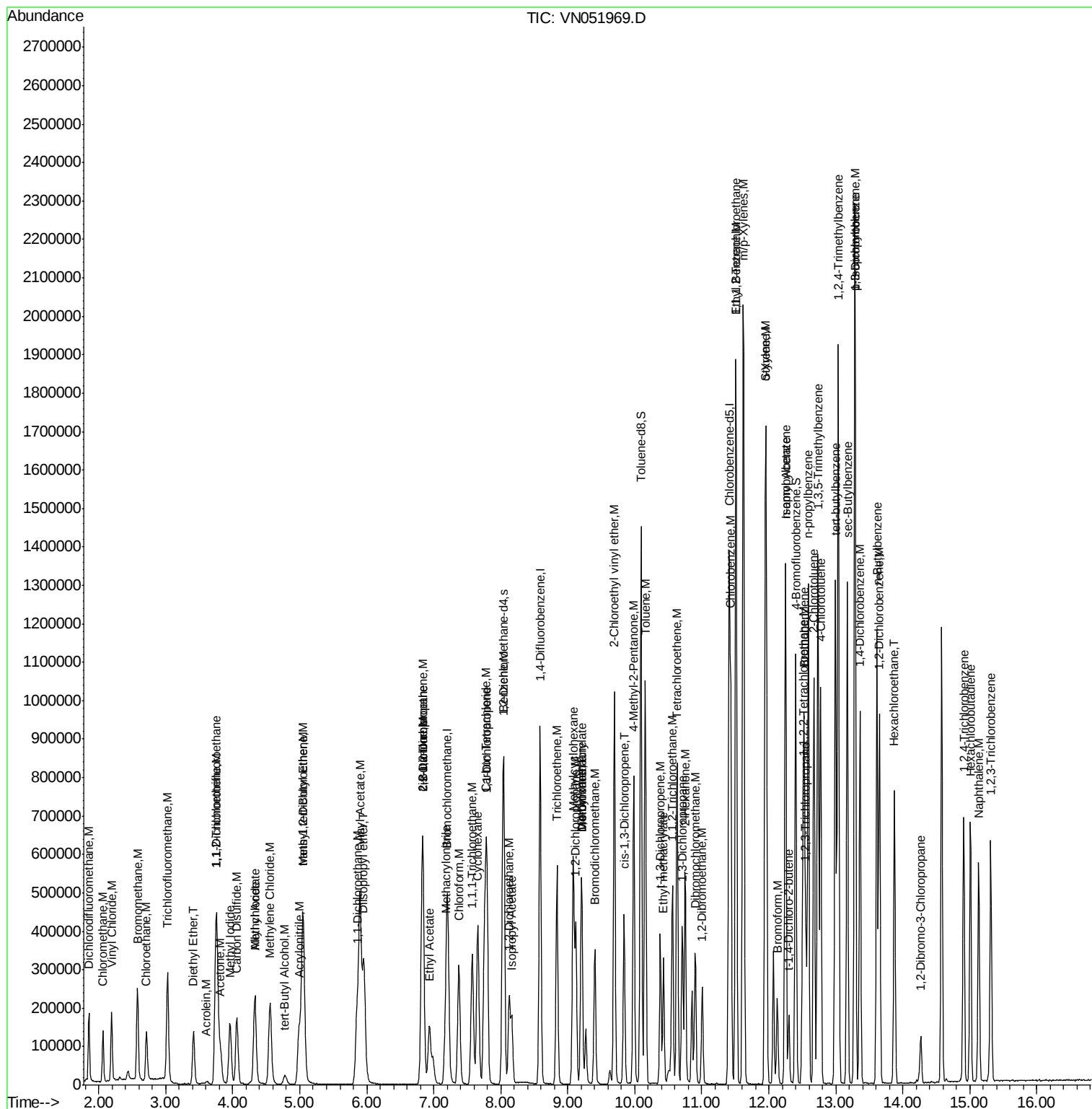
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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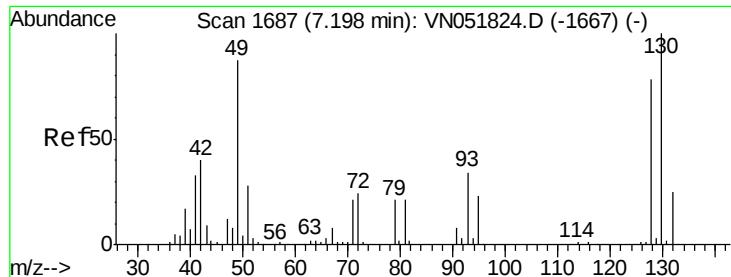
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampled :

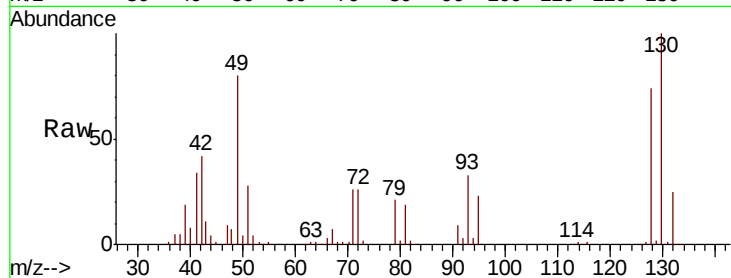
Tot Ion:128 Resp: 155758

Ion Ratio Lower Upper

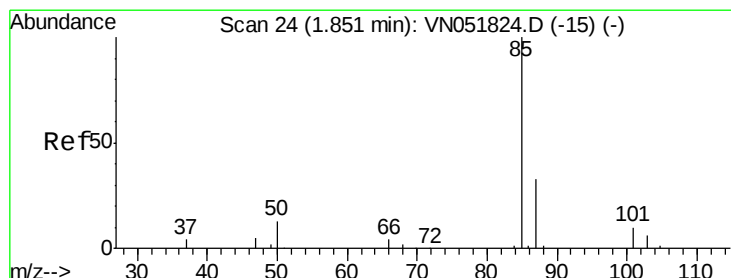
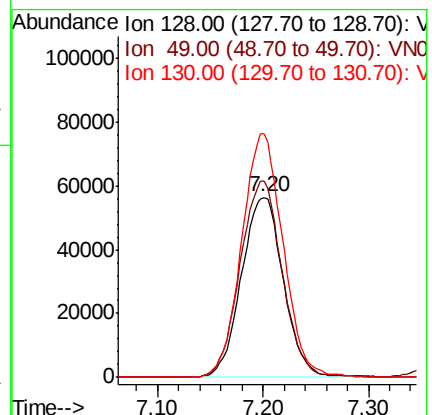
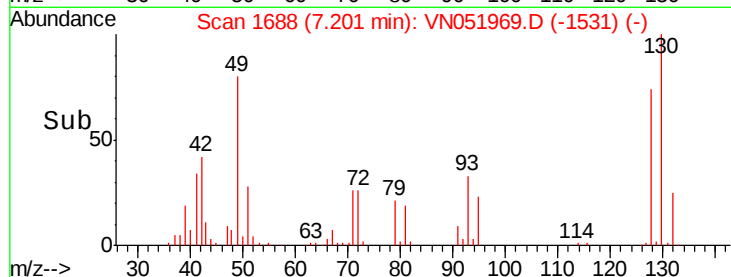
128 100

49 109.8 0.0 403.3

130 133.3 0.0 326.0



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



#2

Dichlorodifluoromethane

Concen: 22.503 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051969.D

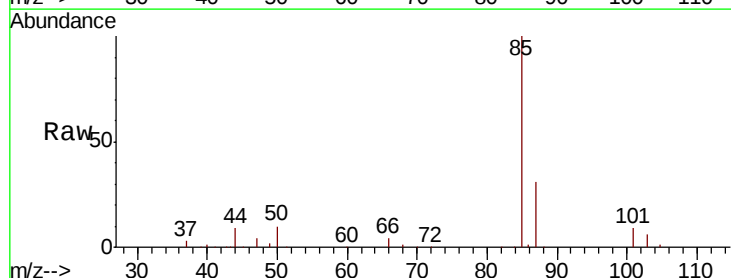
Acq: 23 Oct 2018 18:12

Tgt Ion: 85 Resp: 136172

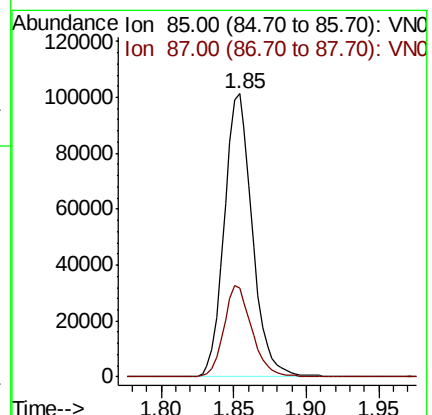
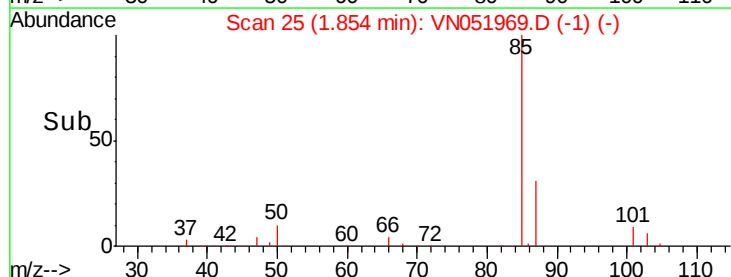
Ion Ratio Lower Upper

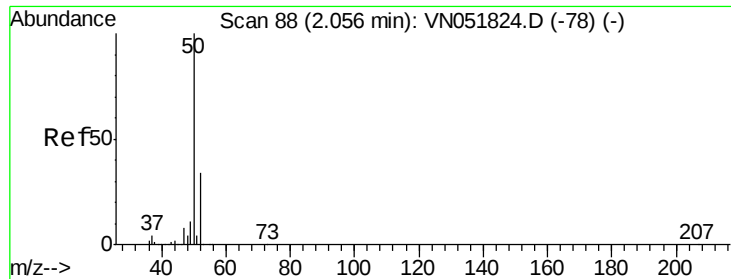
85 100

87 31.4 16.3 48.8



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





#3

Chloromethane

Concen: 18.925 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

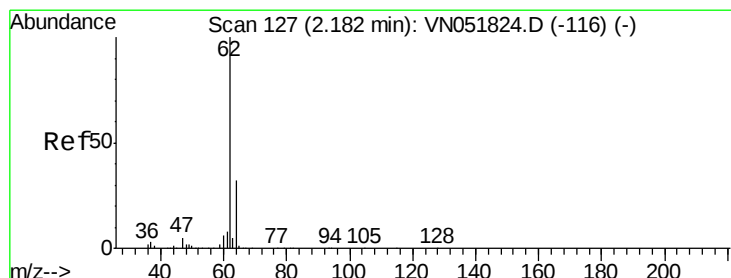
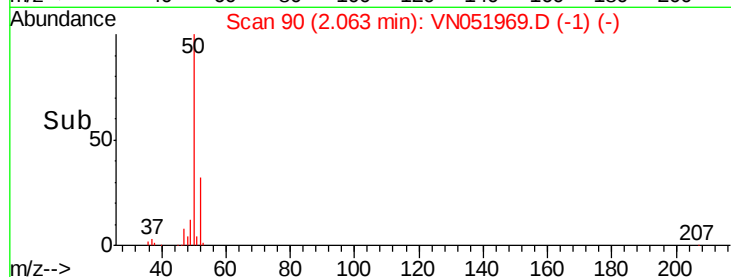
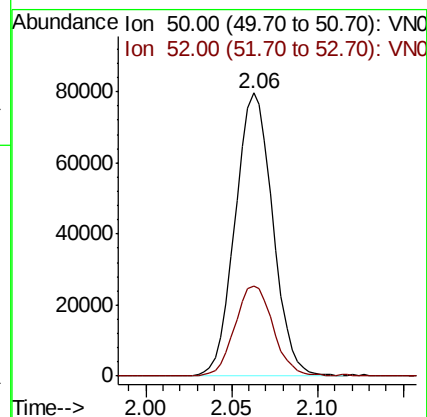
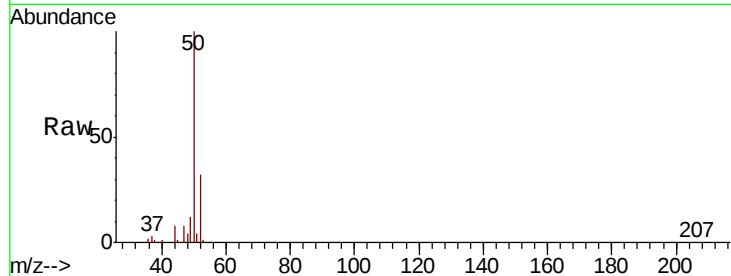
ClientSampleId :

Tot Ion: 50 Resp: 121030

Ion Ratio Lower Upper

50 100

52 32.1 27.2 40.8



#4

Vinyl Chloride

Concen: 16.413 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN051969.D

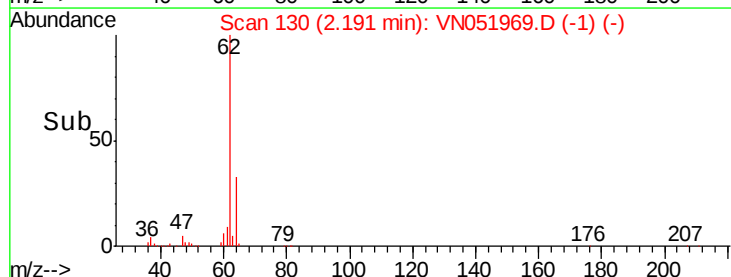
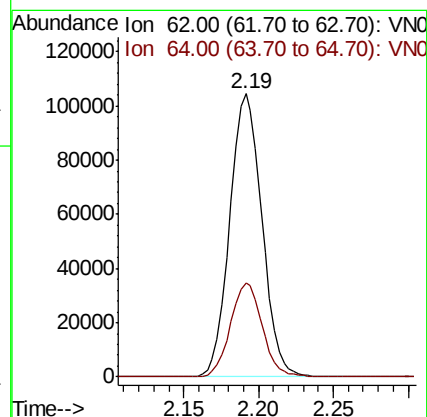
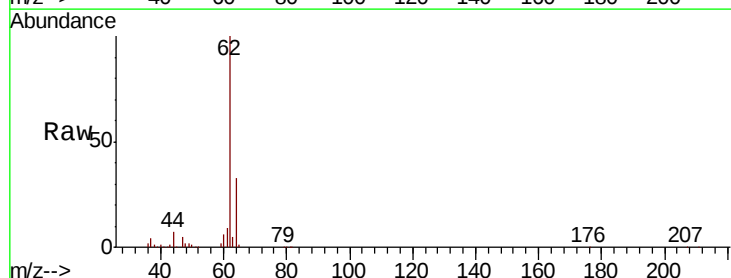
Acq: 23 Oct 2018 18:12

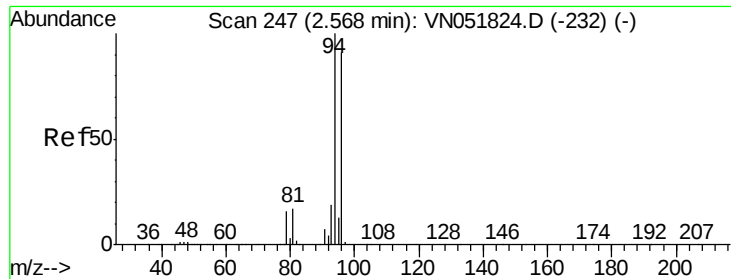
Tgt Ion: 62 Resp: 156758

Ion Ratio Lower Upper

62 100

64 33.2 25.4 38.2





#5

Bromomethane

Concen: 18.832 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

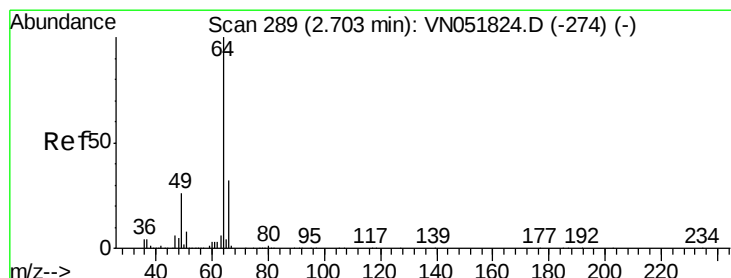
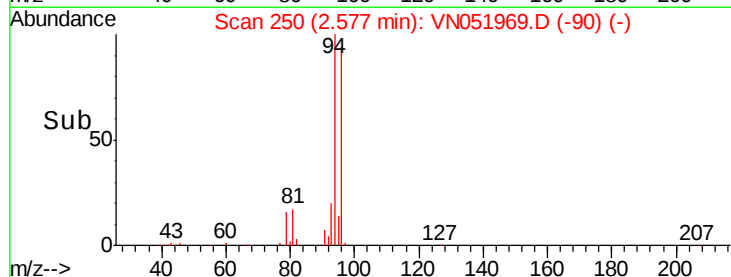
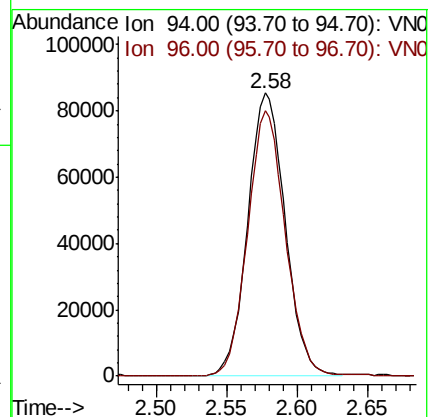
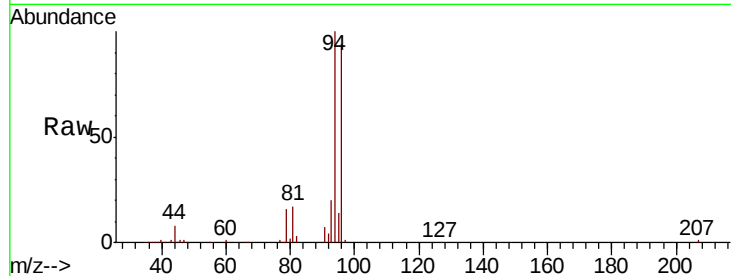
ClientSampleId :

Tot Ion: 94 Resp: 158915

Ion Ratio Lower Upper

94 100

96 94.0 66.4 99.6



#6

Chloroethane

Concen: 16.639 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN051969.D

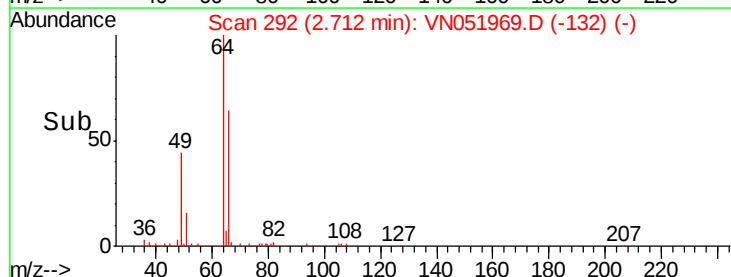
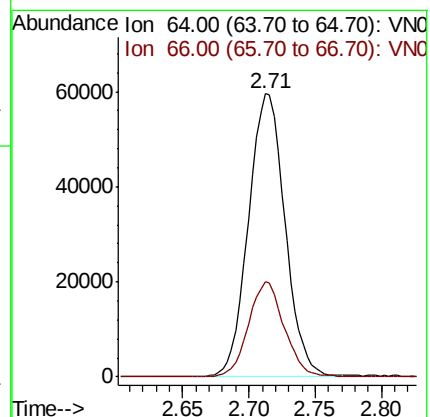
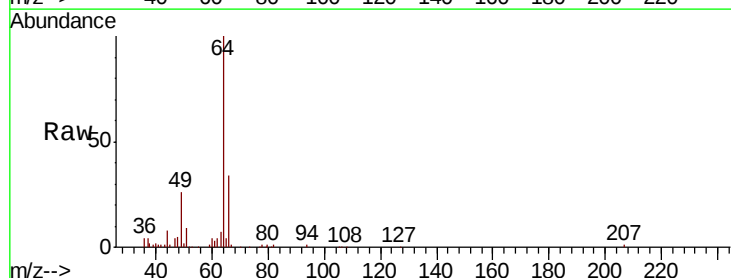
Acq: 23 Oct 2018 18:12

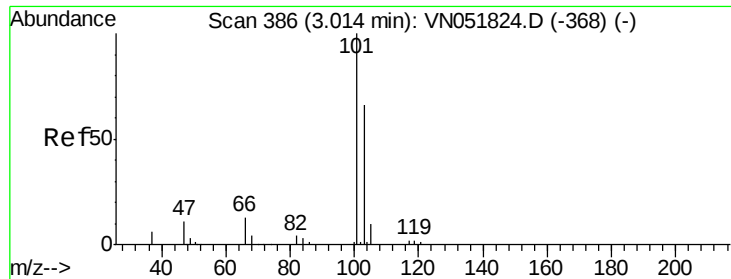
Tgt Ion: 64 Resp: 114527

Ion Ratio Lower Upper

64 100

66 33.7 25.8 38.6



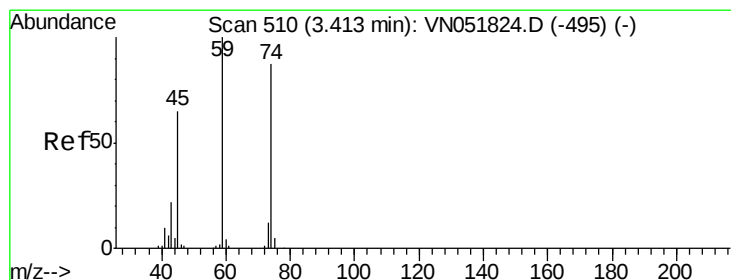
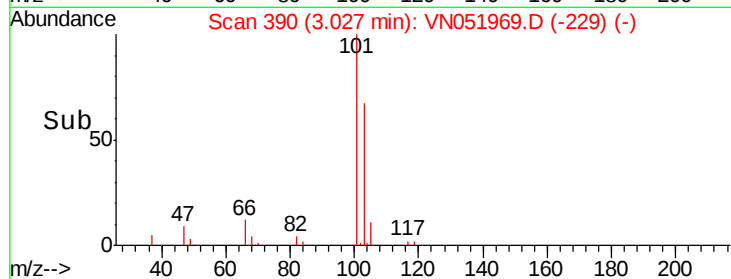
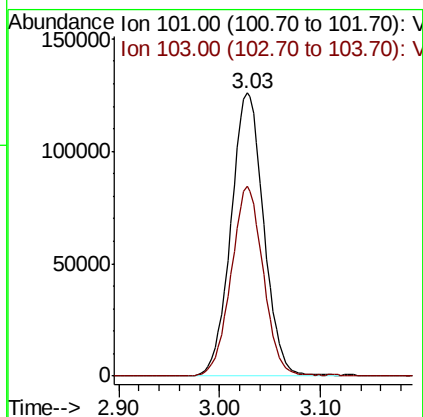
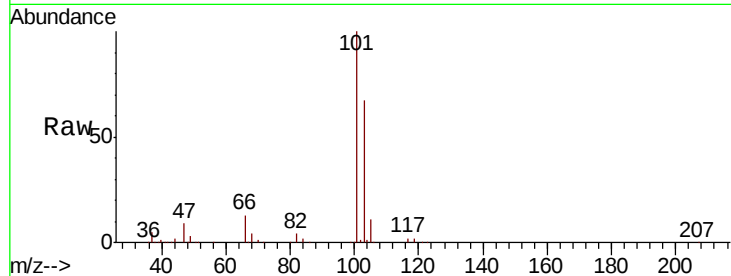


#7

Trichlorofluoromethane
 Concen: 20.869 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.02 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampled :

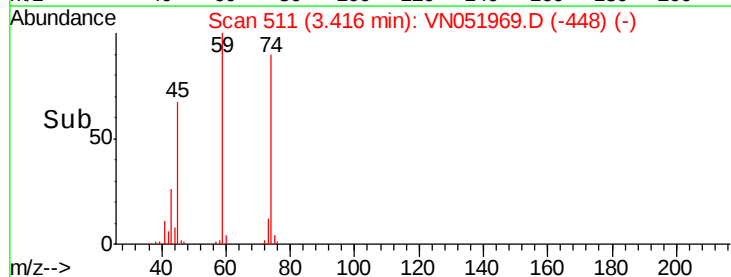
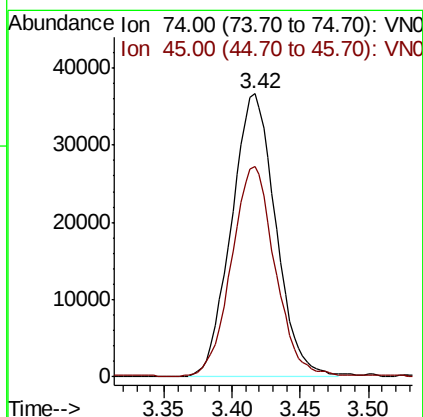
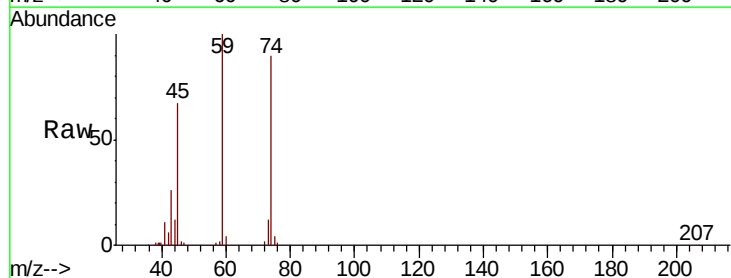
Tot Ion:101 Resp: 284152
 Ion Ratio Lower Upper
 101 100
 103 66.9 54.8 82.2

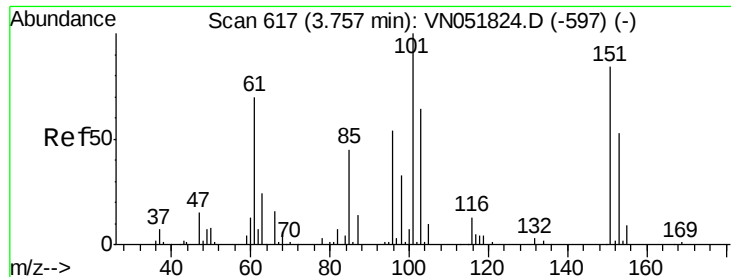


#8

Diethyl Ether
 Concen: 20.877 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion: 74 Resp: 82753
 Ion Ratio Lower Upper
 74 100
 45 73.4 20.7 186.5

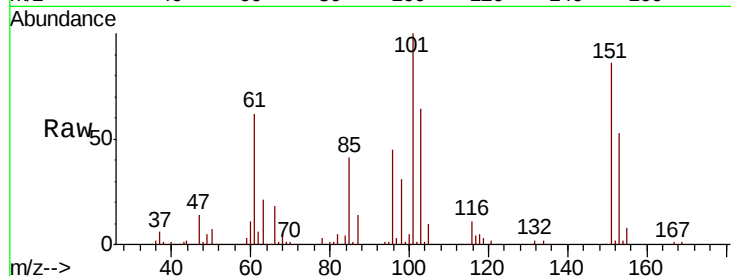




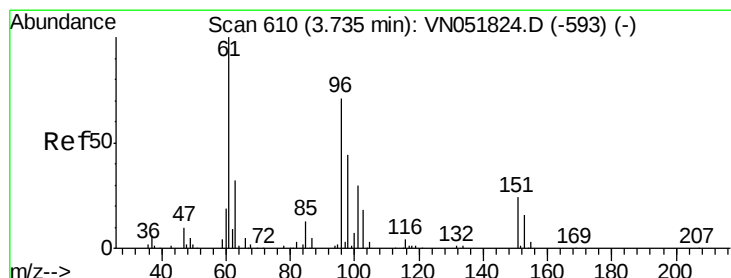
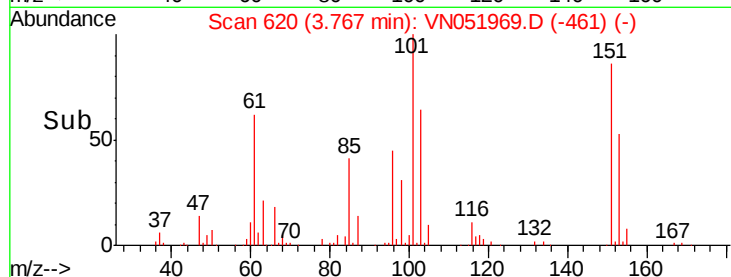
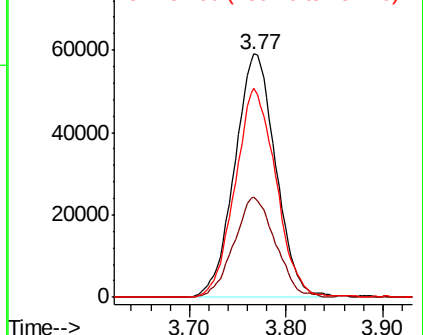
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 22.444 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.01 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 101 Resp: 174042
 Ion Ratio Lower Upper
 101 100
 85 41.6 0.0 46.0
 151 85.3 0.0 82.2#

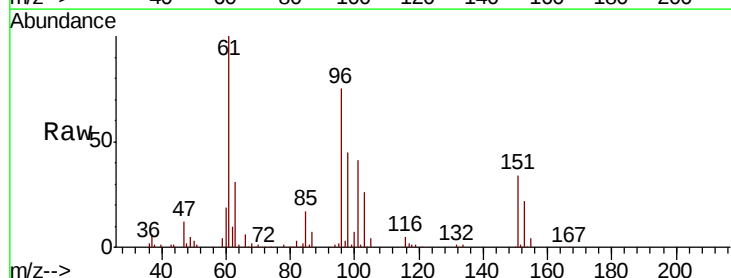


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VNO
 Ion 151.00 (150.70 to 151.70): V

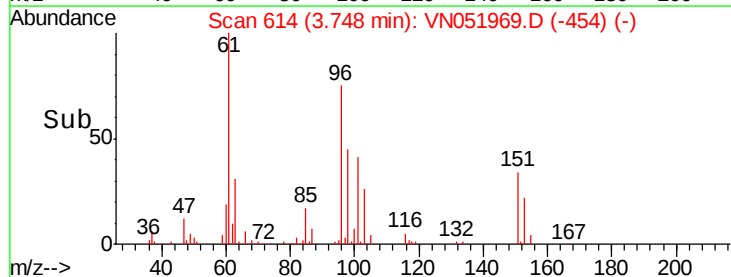
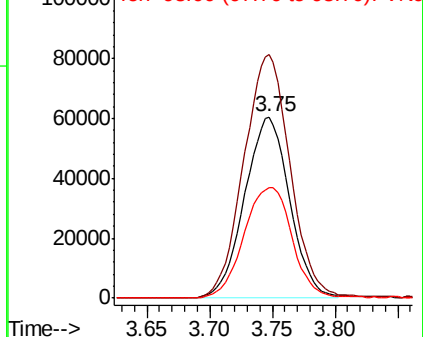


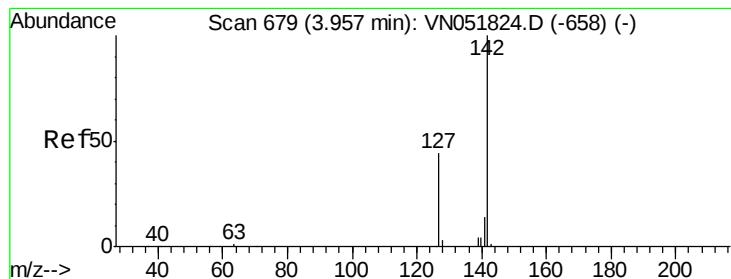
#10
 1,1-Dichloroethene
 Concen: 21.096 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion: 96 Resp: 151287
 Ion Ratio Lower Upper
 96 100
 61 134.2 133.0 199.6
 98 61.0 52.6 78.8



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





#11

Methvl Iodide

Concen: 24.669 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

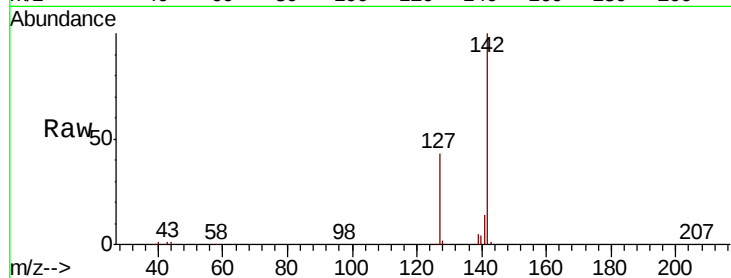
Tot Ion:142 Resp: 257173

Ion Ratio Lower Upper

142 100

127 42.6 19.7 59.0

141 13.7 6.3 18.9

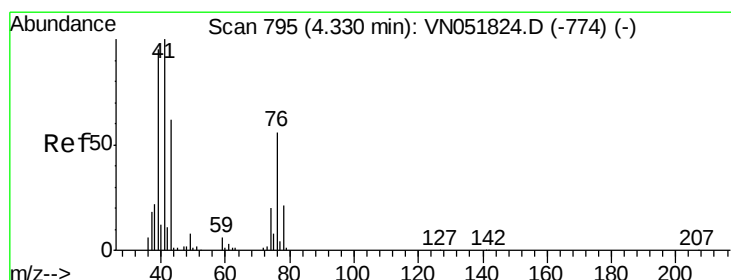
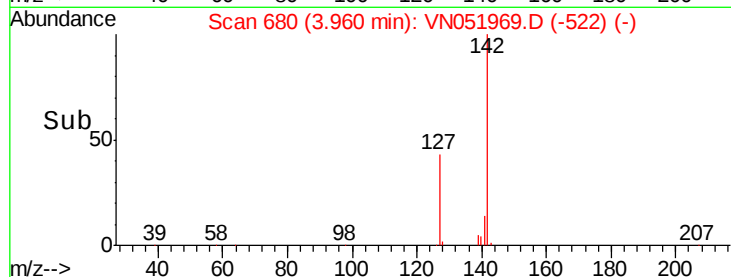
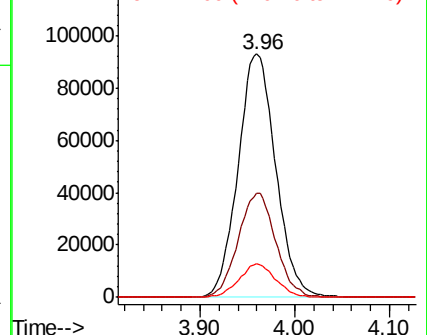


Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.454 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051969.D

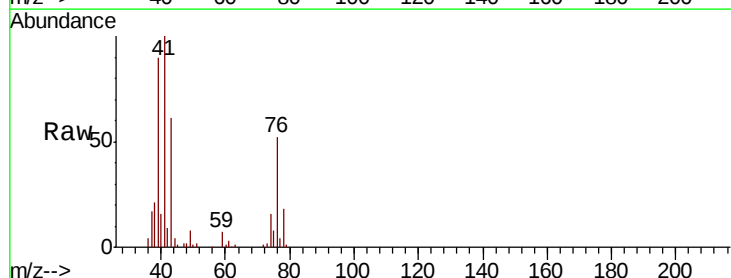
Acq: 23 Oct 2018 18:12

Tgt Ion: 43 Resp: 86632

Ion Ratio Lower Upper

43 100

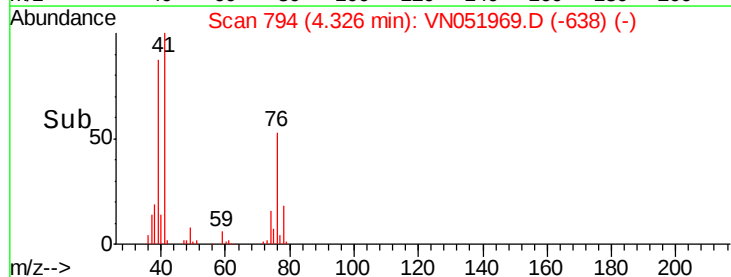
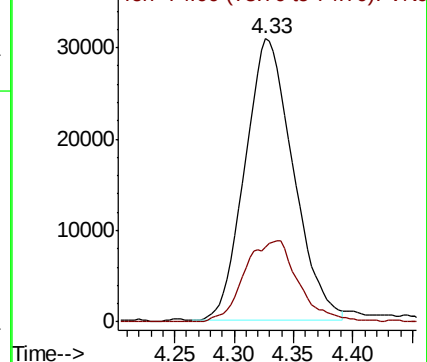
74 26.1 21.8 32.6

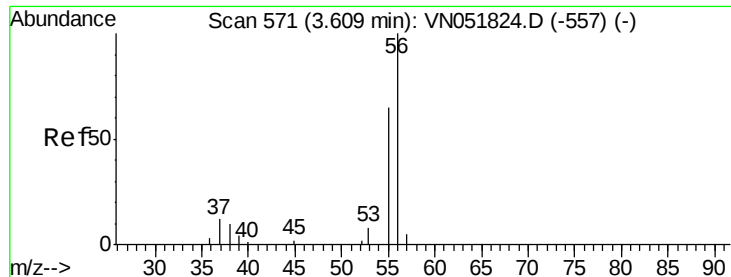


Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 17.730 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

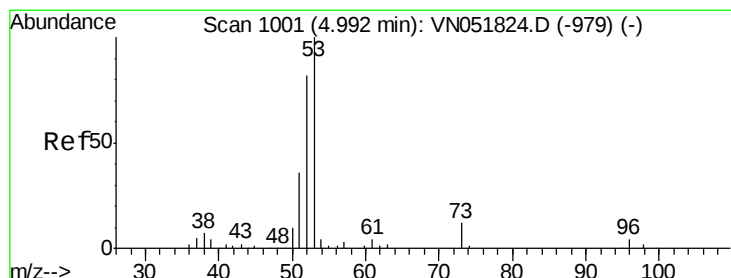
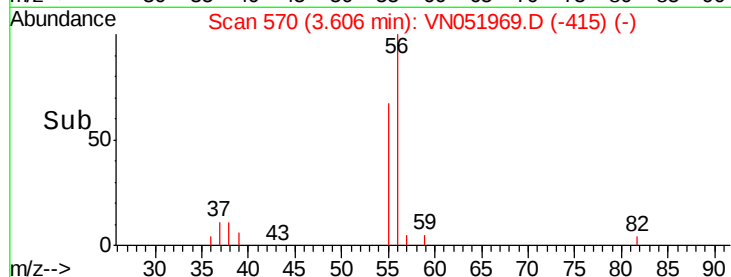
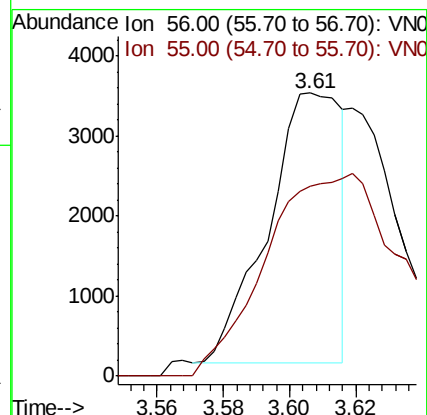
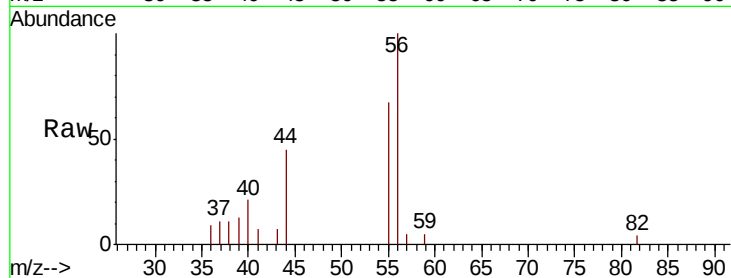
ClientSampleId :

Tot Ion: 56 Resp: 5202

Ion Ratio Lower Upper

56 100

55 138.5 64.0 96.0#



#14

Acrylonitrile

Concen: 97.280 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

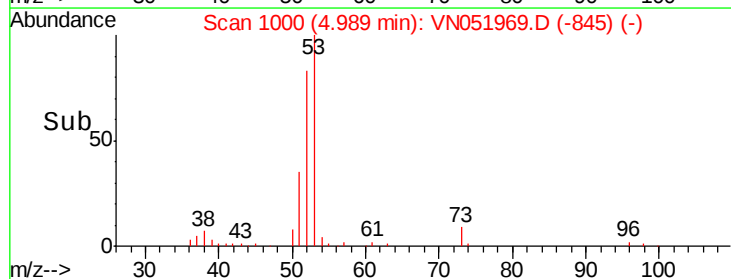
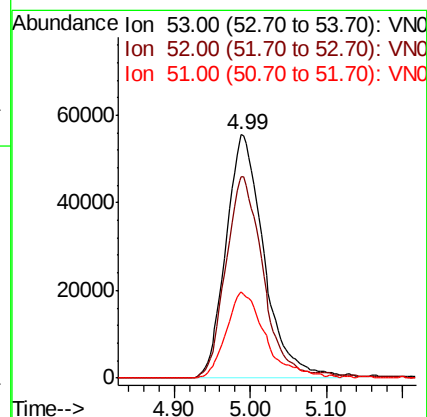
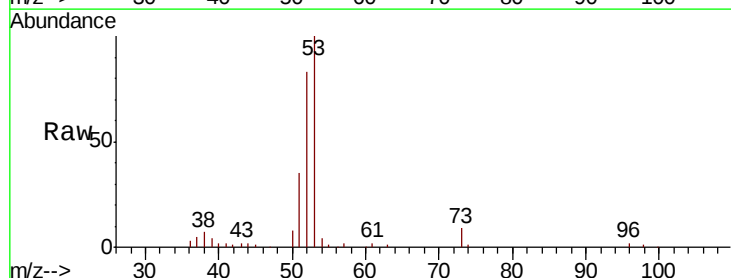
Tgt Ion: 53 Resp: 193613

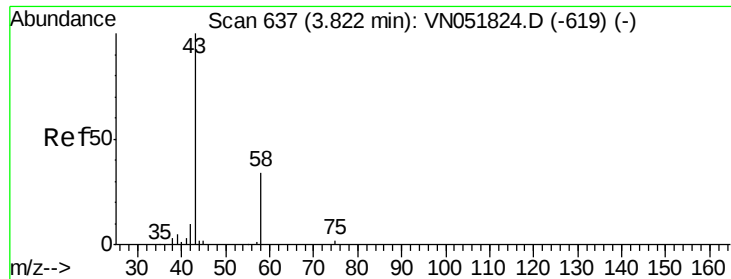
Ion Ratio Lower Upper

53 100

52 80.3 18.3 54.8#

51 36.5 19.7 59.1





#15

Acetone

Concen: 88.812 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

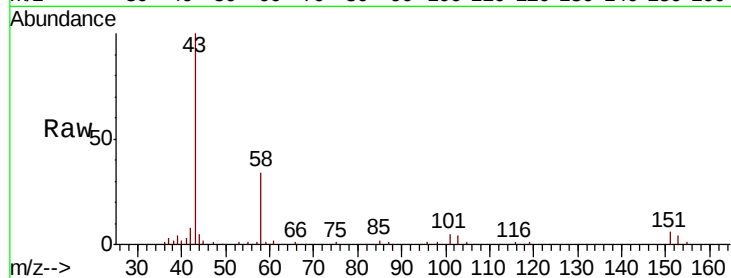
ClientSampled :

Tot Ion: 58 Resp: 43695

Ion Ratio Lower Upper

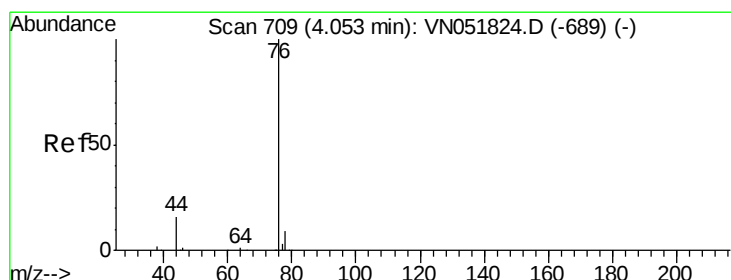
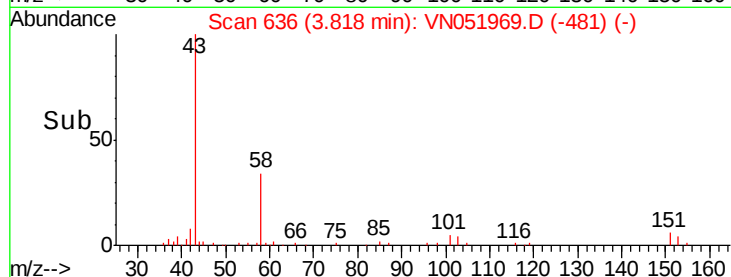
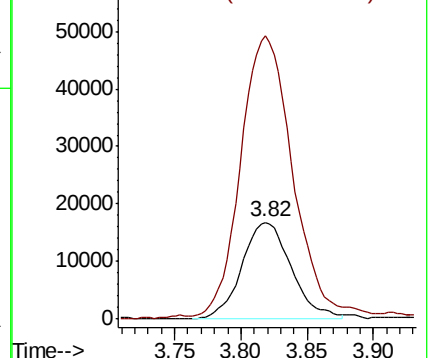
58 100

43 289.4 232.2 348.2



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: 18.319 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN051969.D

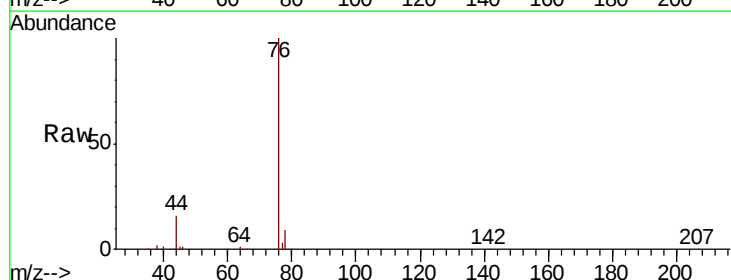
Acq: 23 Oct 2018 18:12

Tgt Ion: 76 Resp: 345010

Ion Ratio Lower Upper

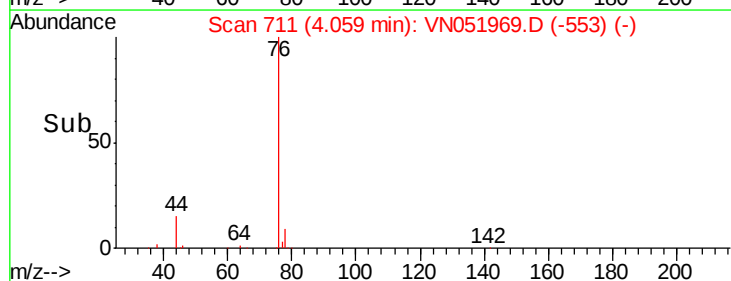
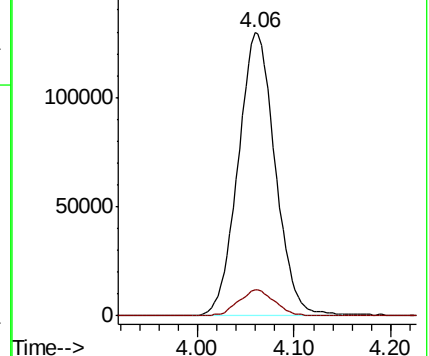
76 100

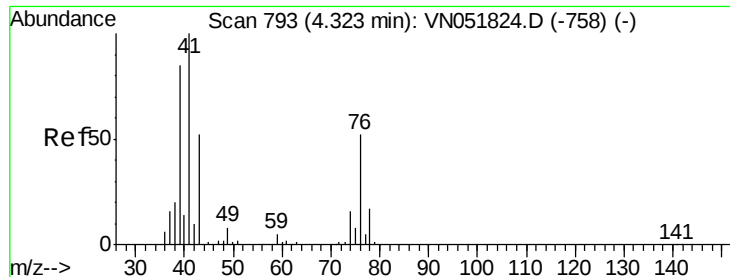
78 9.2 6.7 10.1



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

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





#17

Allvl chloride

Concen: 17.057 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

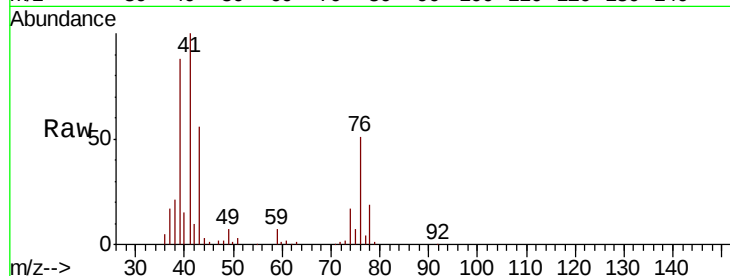
Tot Ion: 41 Resp: 145218

Ion Ratio Lower Upper

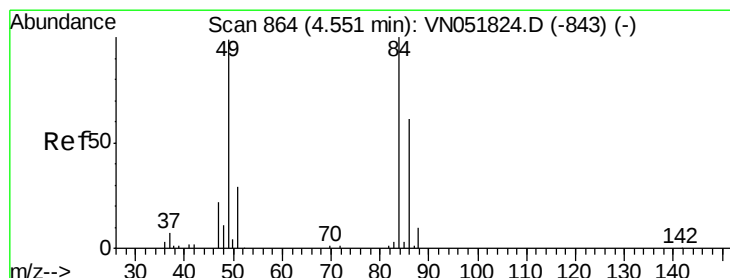
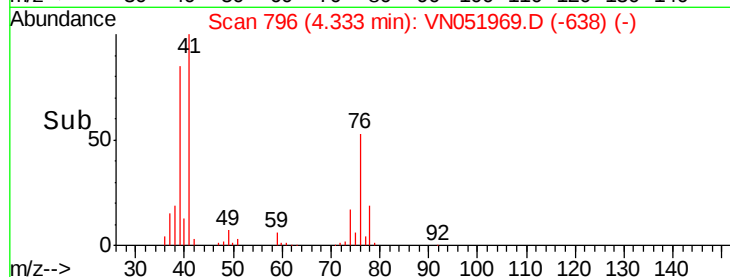
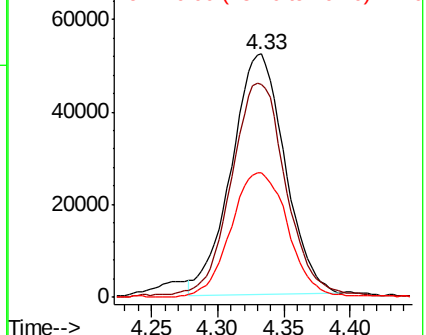
41 100

39 86.5 32.6 97.8

76 51.0 20.2 60.5



Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 76.00 (75.70 to 76.70): VNC



#18

Methylene Chloride

Concen: 21.707 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.01 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion: 84 Resp: 174053

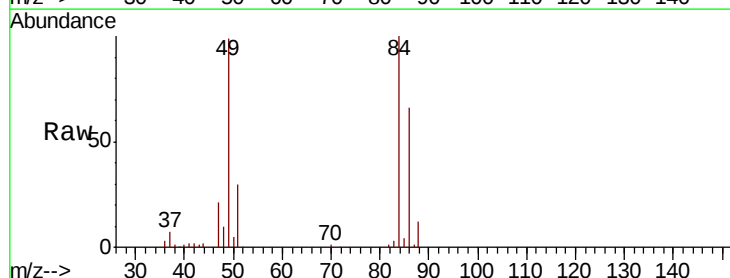
Ion Ratio Lower Upper

84 100

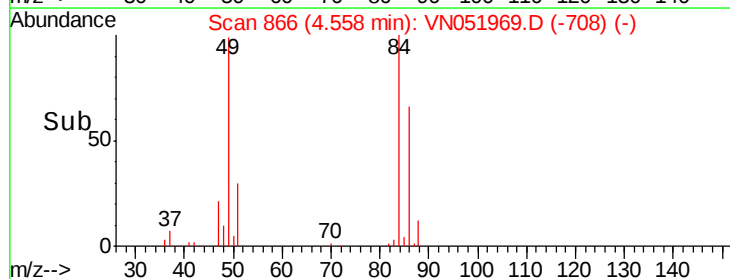
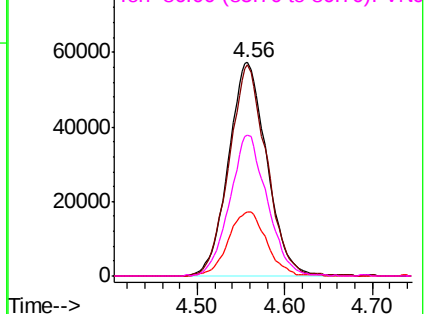
49 98.5 91.6 137.4

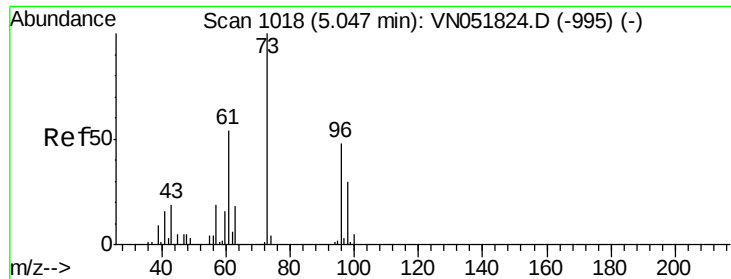
51 29.8 29.8 44.6

86 65.8 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VNC
Ion 49.00 (48.70 to 49.70): VNC
Ion 51.00 (50.70 to 51.70): VNC
Ion 86.00 (85.70 to 86.70): VNC

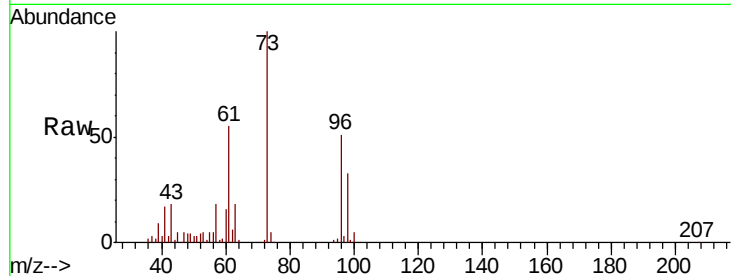




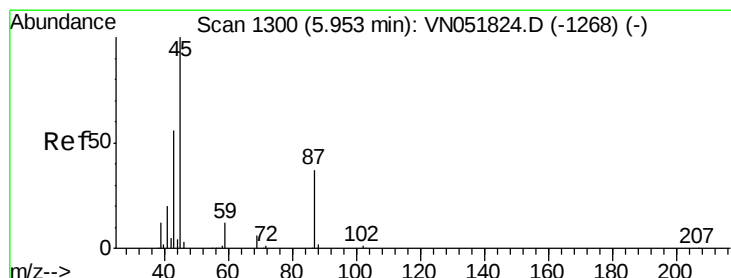
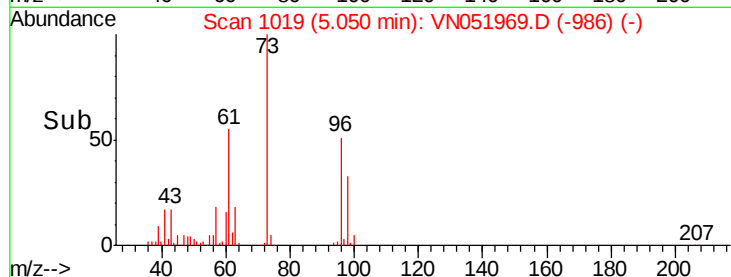
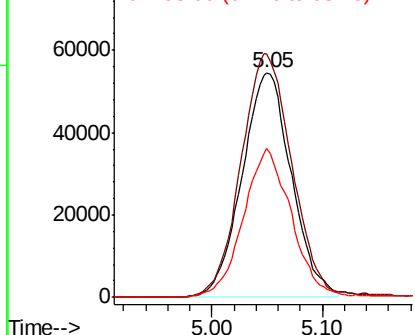
#19
trans-1,2-Dichloroethene
Concen: 20.553 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 168300
Ion Ratio Lower Upper
96 100
61 108.0 112.3 168.5#
98 66.1 47.1 70.7

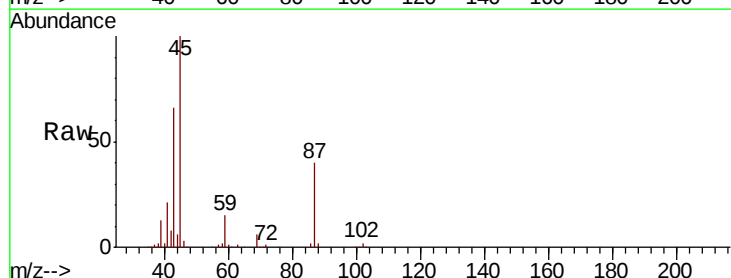


Abundance Ion 96.00 (95.70 to 96.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

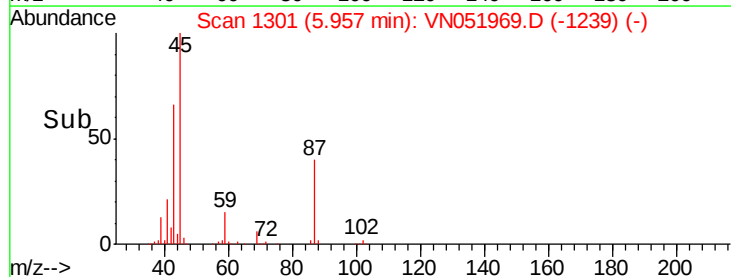
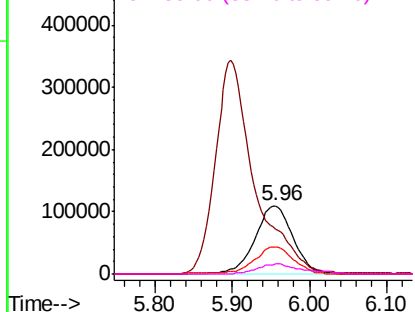


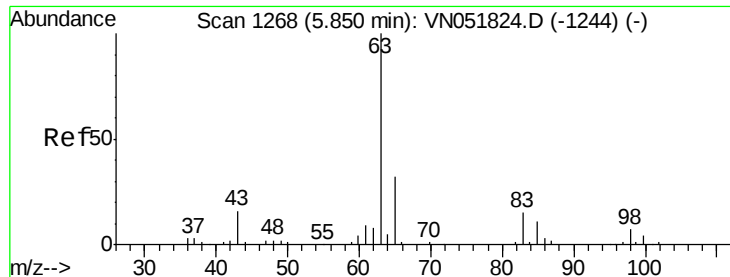
#20
Diisopropyl ether
Concen: 19.673 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 45 Resp: 373032
Ion Ratio Lower Upper
45 100
43 63.5 62.1 93.1
87 39.6 19.9 29.9#
59 14.2 9.8 14.6



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





#21

1,1-Dichloroethane

Concen: 20.510 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

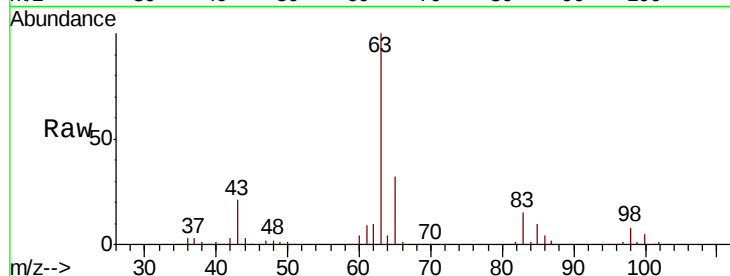
Tot Ion: 63 Resp: 271744

Ion Ratio Lower Upper

63 100

98 8.2 4.1 12.3

100 5.3 1.6 4.7#

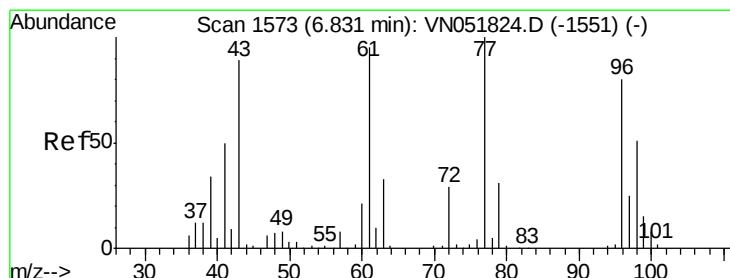
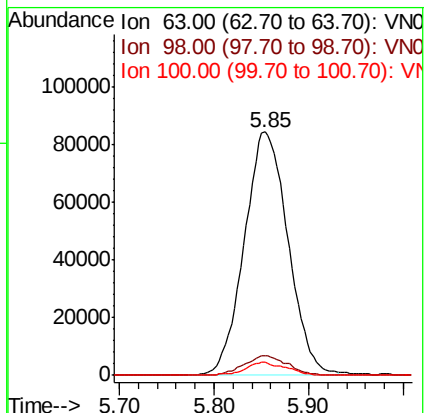
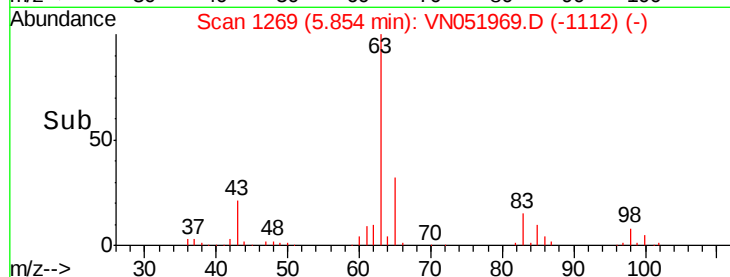


Abundance Ion 63.00 (62.70 to 63.70): VN051824.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051824.D (-1244) (-)

Time--> 5.70 5.80 5.90



#22

cis-1,2-Dichloroethene

Concen: 20.809 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

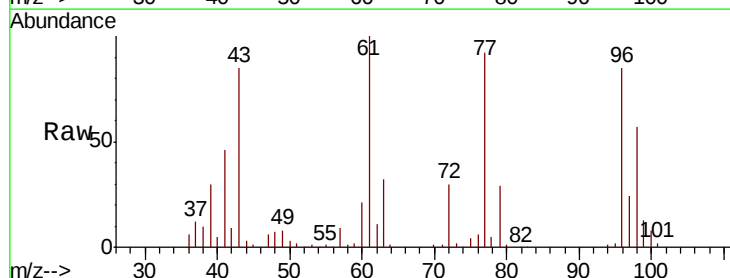
Tgt Ion: 96 Resp: 200143

Ion Ratio Lower Upper

96 100

61 120.5 124.5 186.7#

98 67.5 51.9 77.9

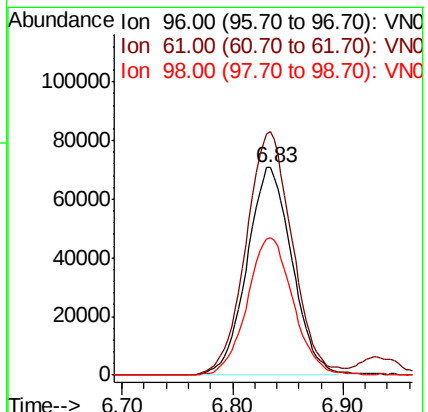
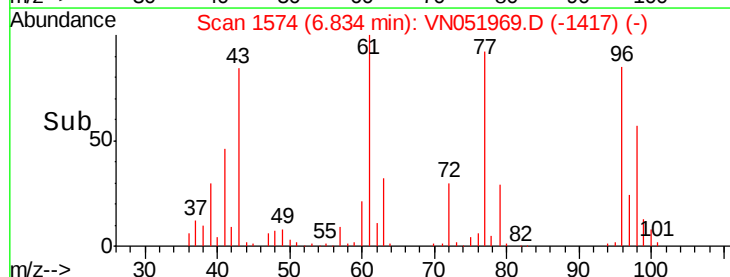


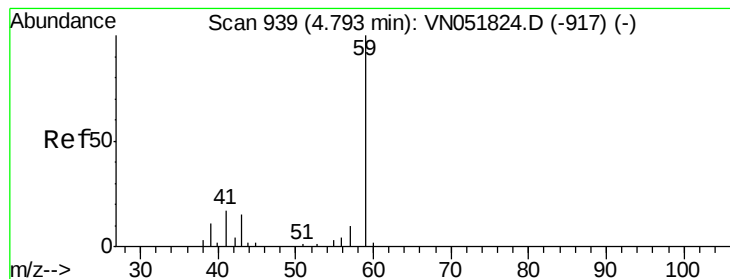
Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-1551) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-1551) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-1551) (-)

Time--> 6.70 6.80 6.90



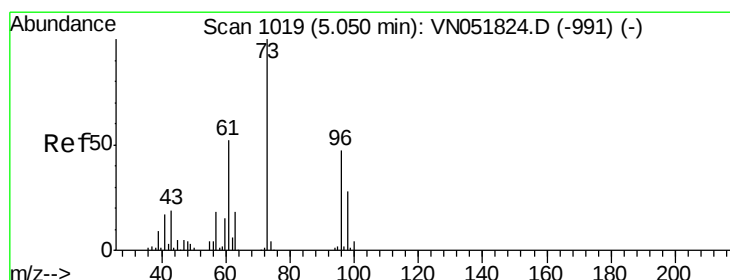
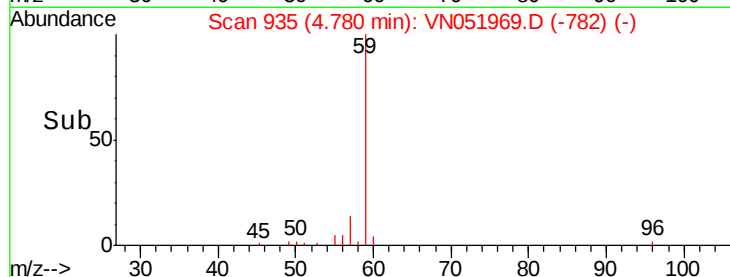
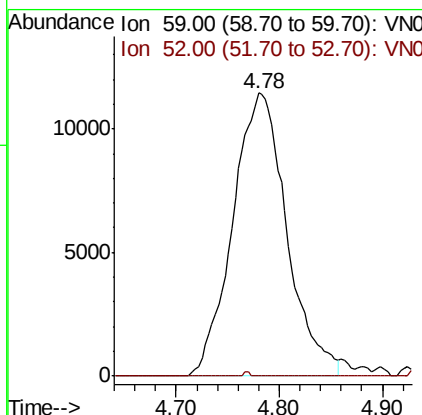
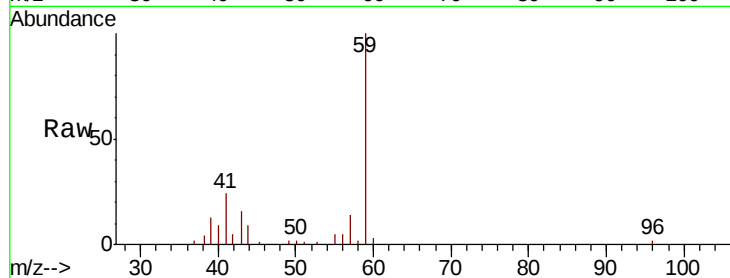


#23

tert-Butyl Alcohol
 Concen: 79.712 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampled :

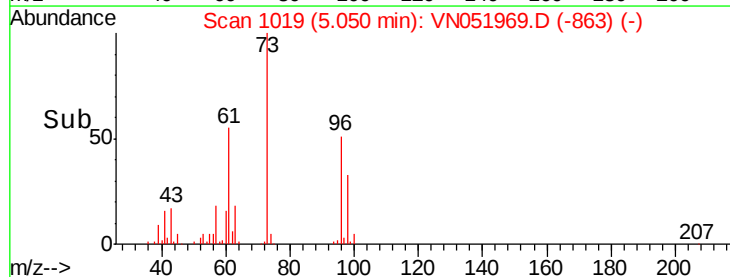
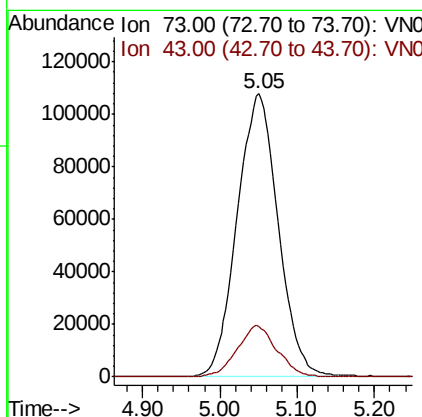
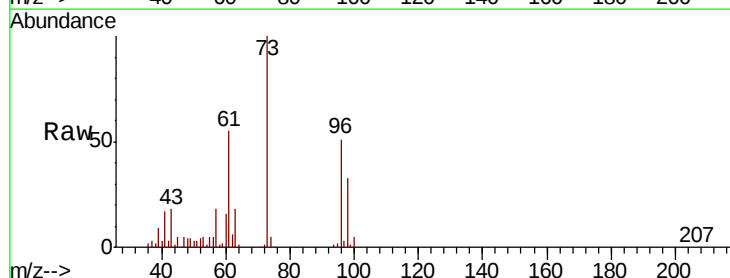
Tot Ion: 59 Resp: 41783
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

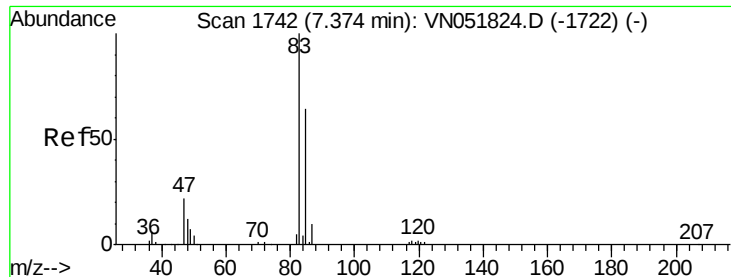


#24

Methyl tert-Butyl Ether
 Concen: 19.298 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion: 73 Resp: 398723
 Ion Ratio Lower Upper
 73 100
 43 17.0 5.4 8.0#





#25

Chloroform

Concen: 21.193 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

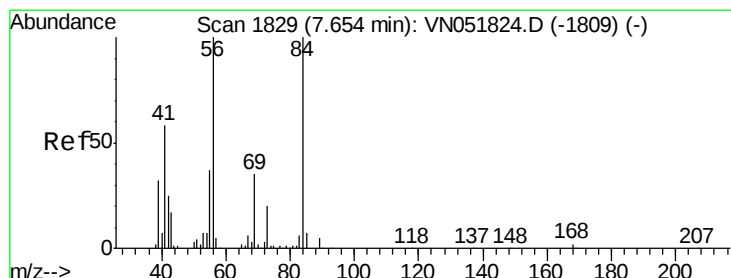
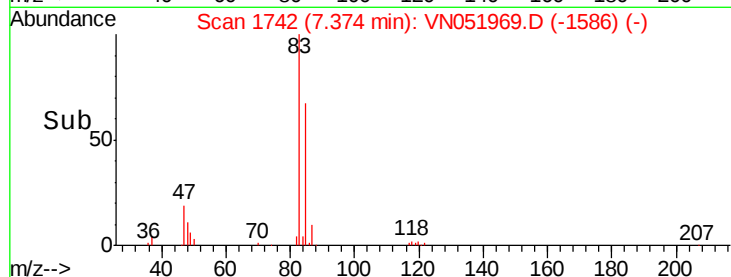
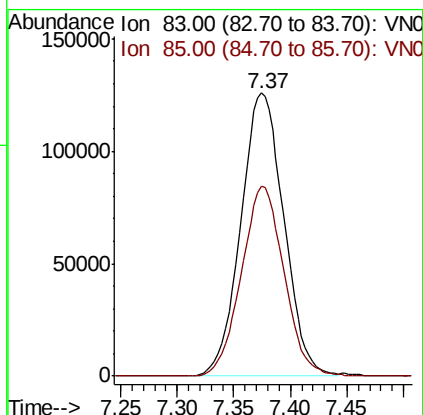
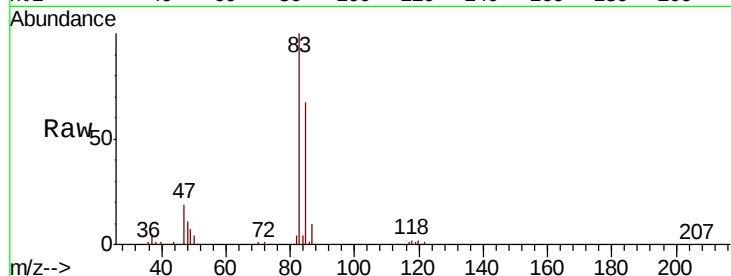
ClientSampleId :

Tot Ion: 83 Resp: 333116

Ion Ratio Lower Upper

83 100

85 67.3 54.6 82.0



#26

Cyclohexane

Concen: 18.657 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

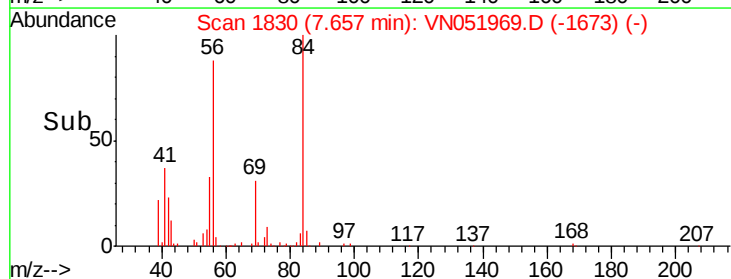
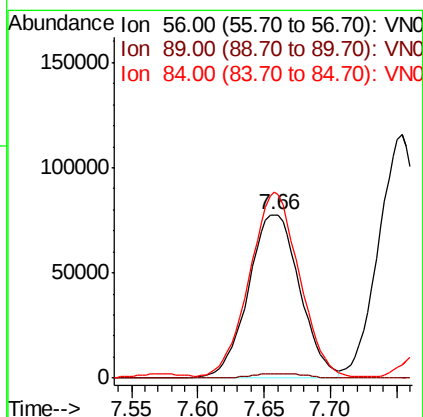
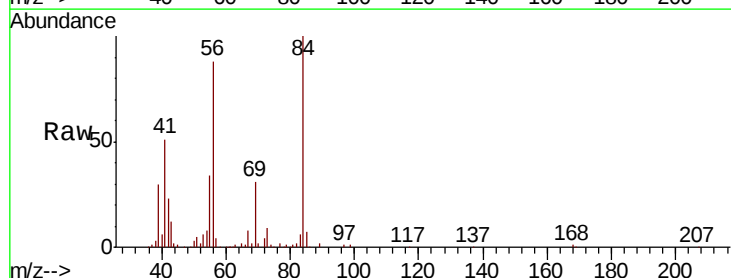
Tgt Ion: 56 Resp: 209567

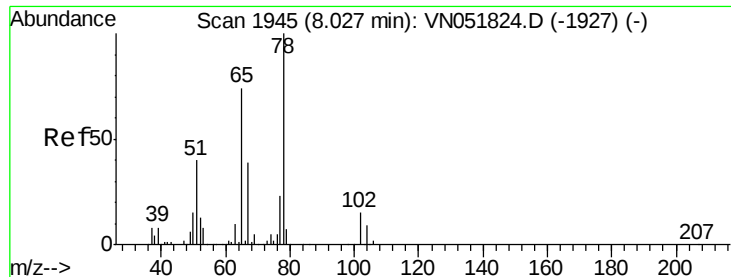
Ion Ratio Lower Upper

56 100

89 1.6 1.5 2.3

84 111.3 64.2 96.4#





#27

1,2-Dichloroethane-d4

Concen: 18.657 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

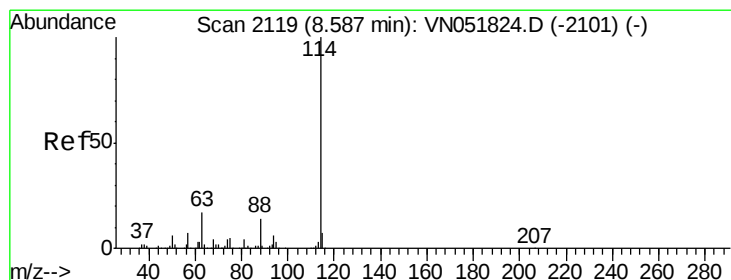
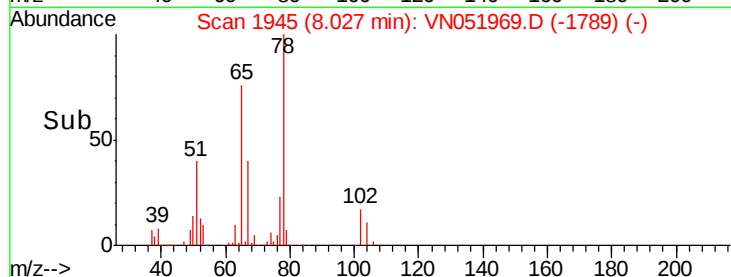
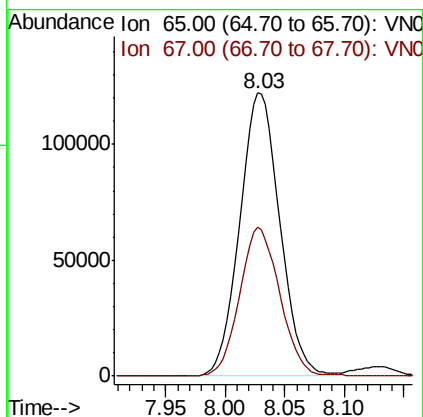
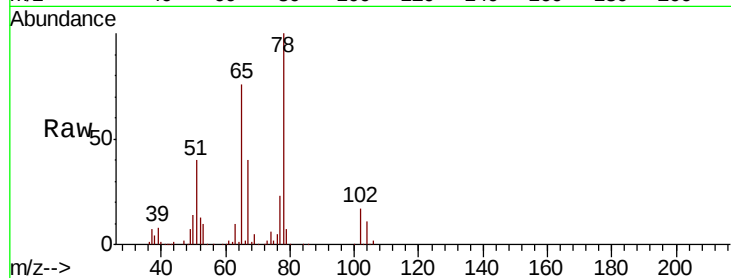
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 285905

Ion Ratio Lower Upper

65 100

67 52.4 41.8 62.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

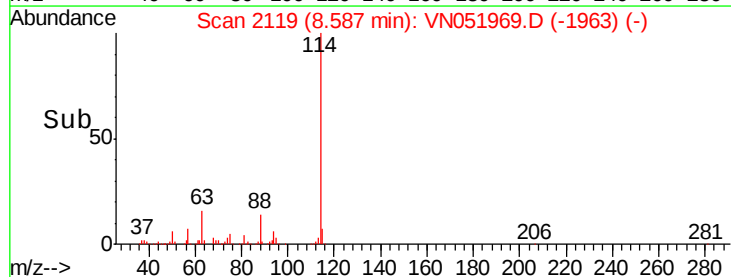
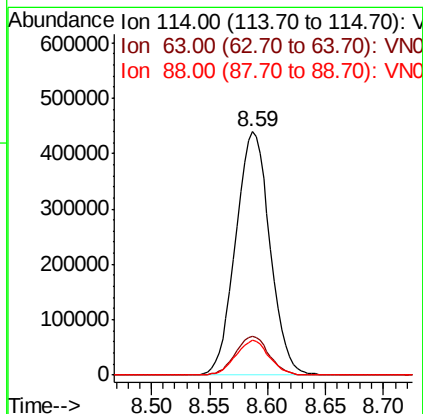
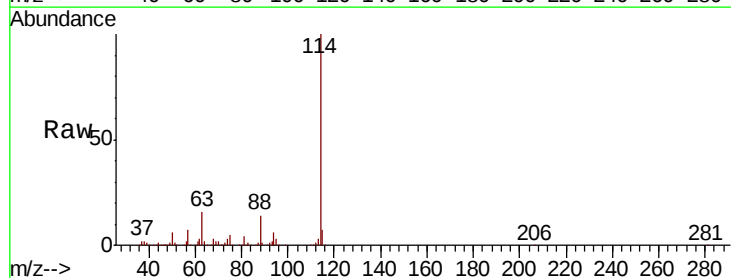
Tgt Ion: 114 Resp: 904640

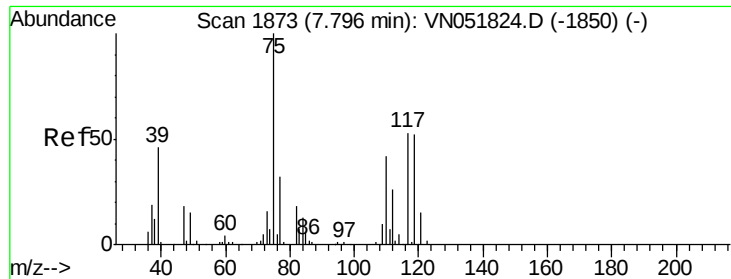
Ion Ratio Lower Upper

114 100

63 15.7 16.2 24.2#

88 14.0 12.2 18.4

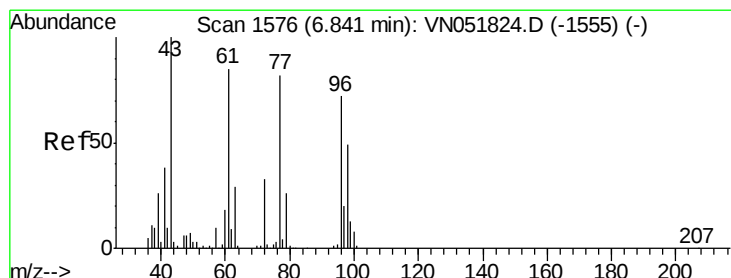
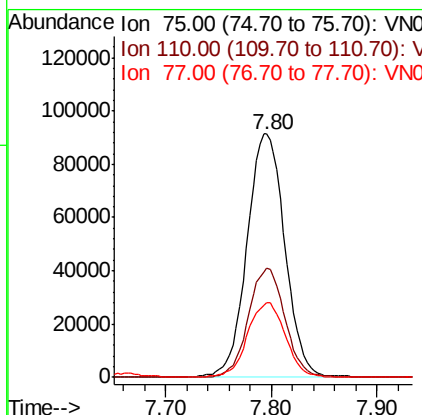
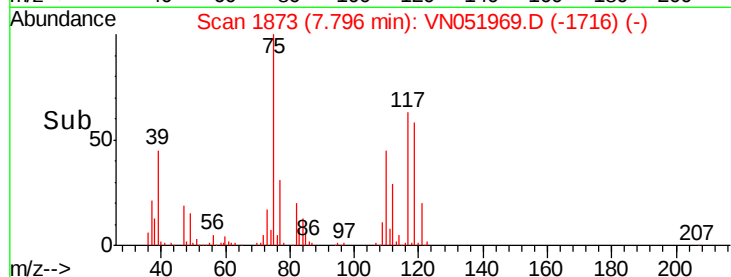
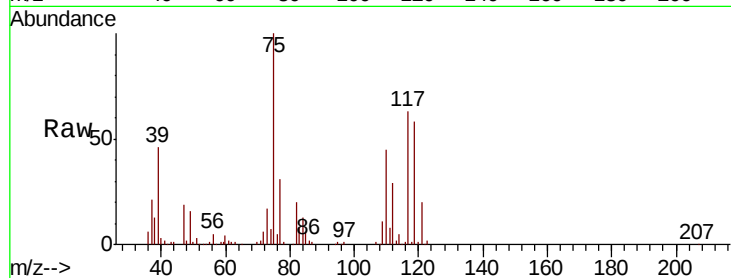




#29
 1,1-Dichloropropene
 Concen: 19.555 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

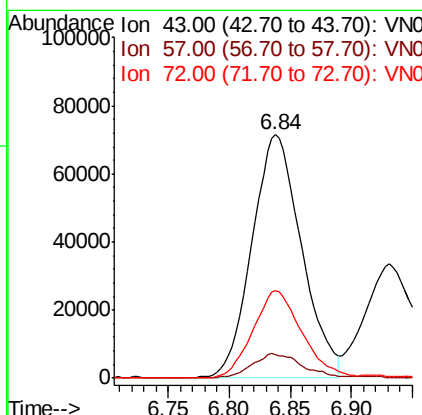
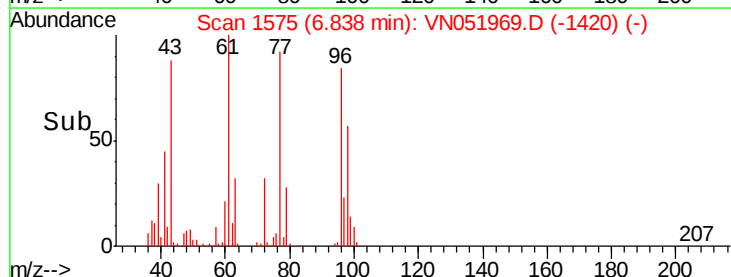
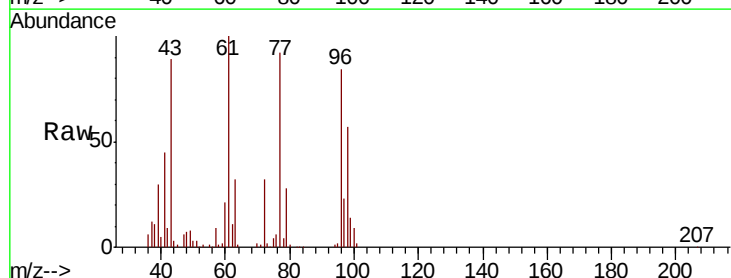
Instrument :
 MSVOA_N
 ClientSampleId :

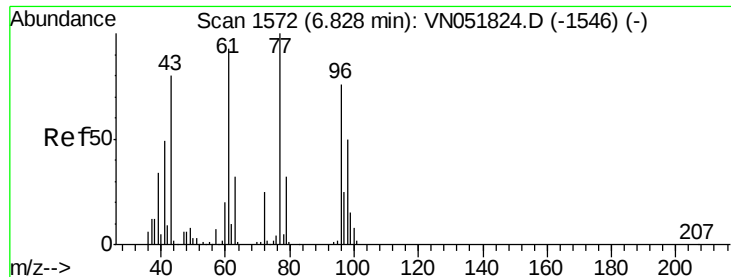
Tot Ion	Ratio	Lower	Upper
75	100		
110	43.5	0.0	70.8
77	30.9	0.0	61.6



#30
 2-Butanone
 Concen: 82.375 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.5	4.5	6.7#
72	35.9	21.5	32.3#

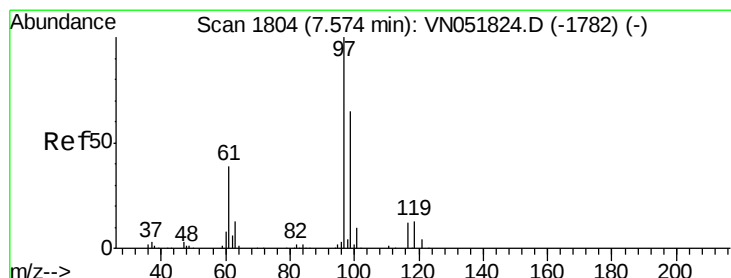
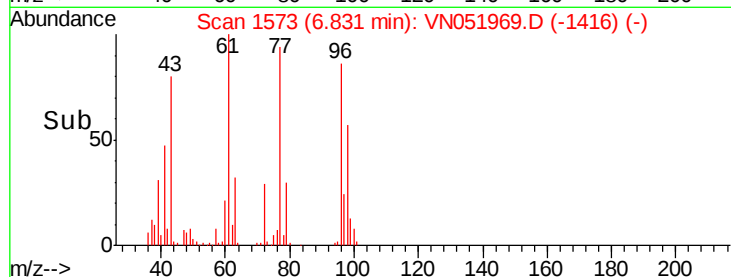
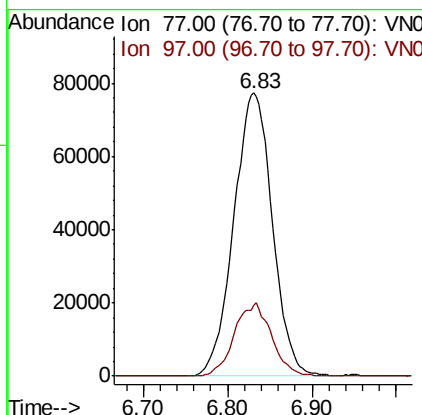
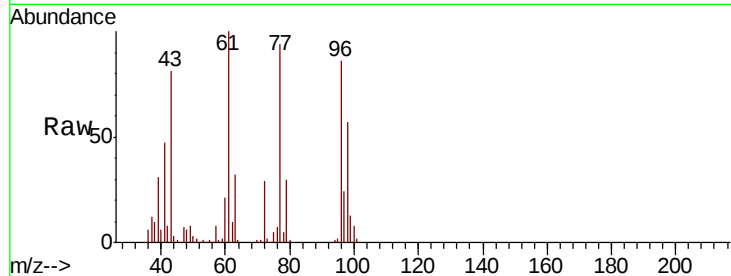




#31
 2,2-Dichloropropane
 Concen: 17.936 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

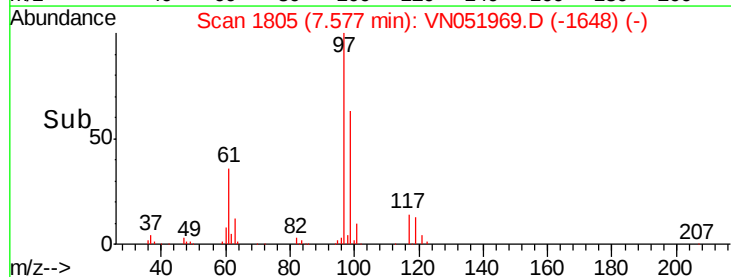
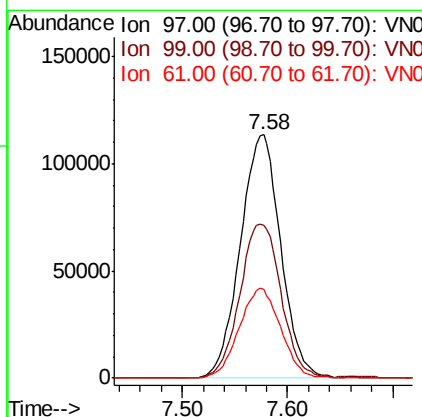
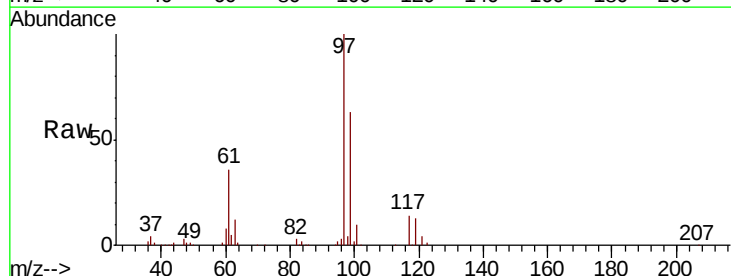
Instrument :
 MSVOA_N
 ClientSampleId :

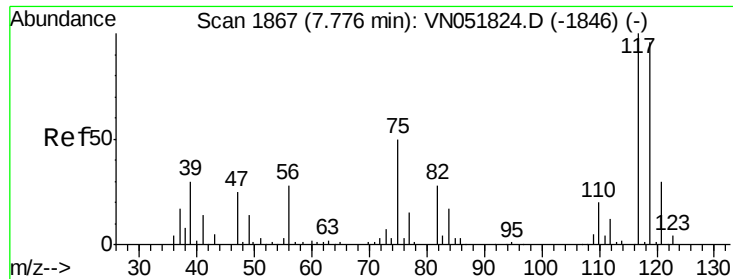
Tot Ion: 77 Resp: 246035
 Ion Ratio Lower Upper
 77 100
 97 10.6 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 19.578 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion: 97 Resp: 302676
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.6 77.4
 61 37.8 37.4 56.0

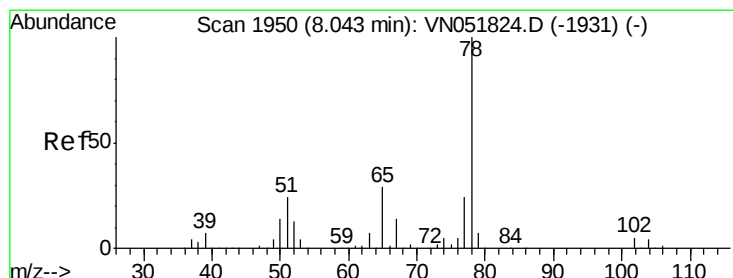
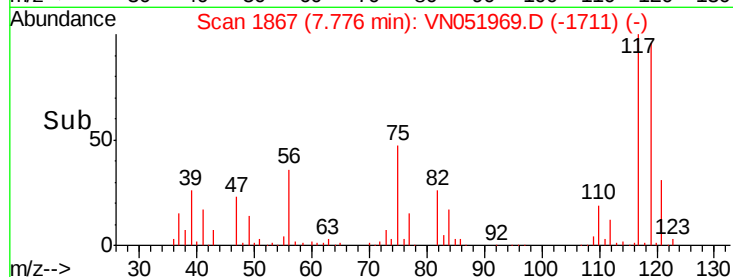
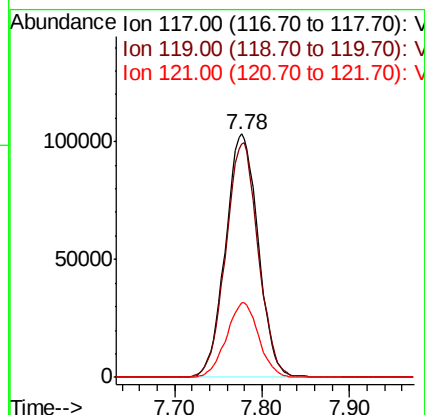
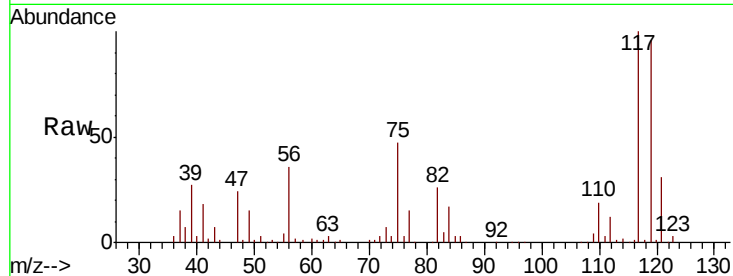




#33
Carbon Tetrachloride
Concen: 19.148 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

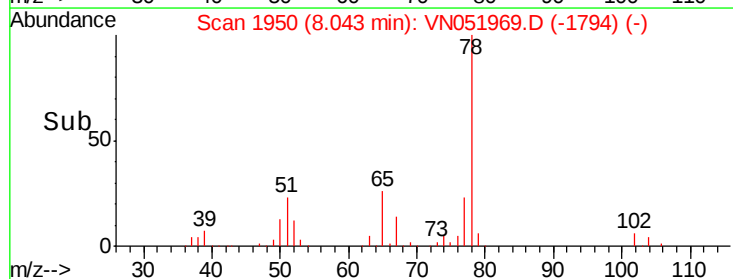
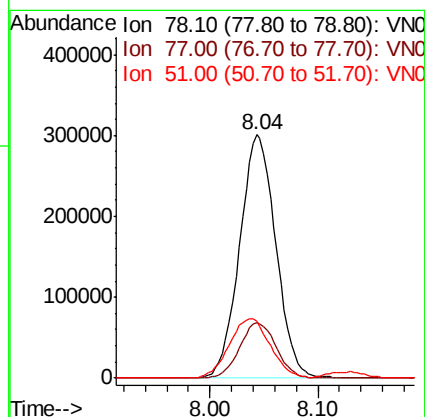
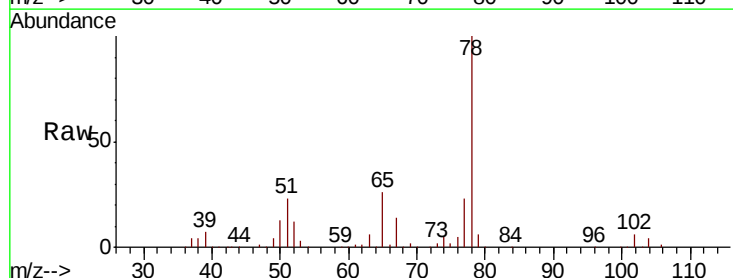
Instrument :
MSVOA_N
ClientSampled :

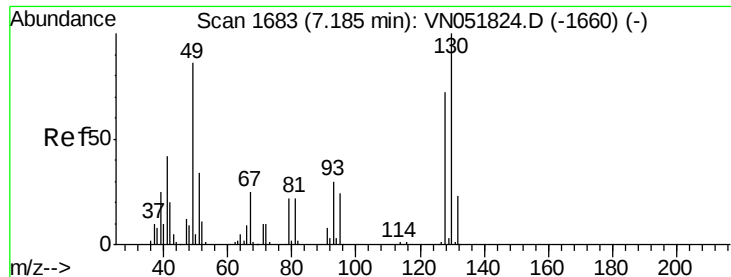
Tot Ion:117 Resp: 267820
Ion Ratio Lower Upper
117 100
119 96.0 85.1 127.7
121 30.6 24.2 36.2



#34
Benzene
Concen: 20.323 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 78 Resp: 701013
Ion Ratio Lower Upper
78 100
77 22.9 18.8 28.2
51 23.1 46.2 69.4#

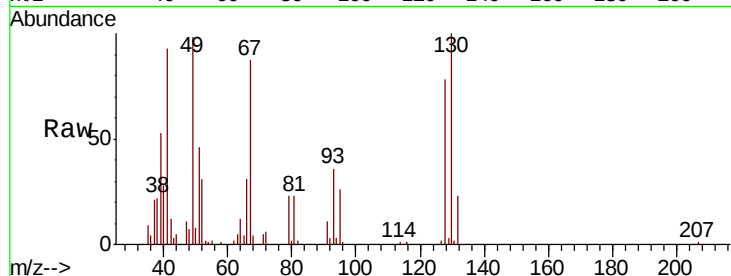




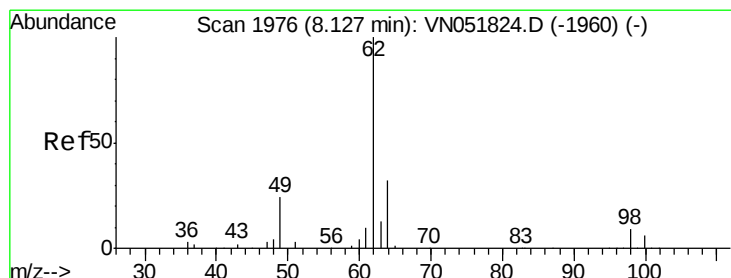
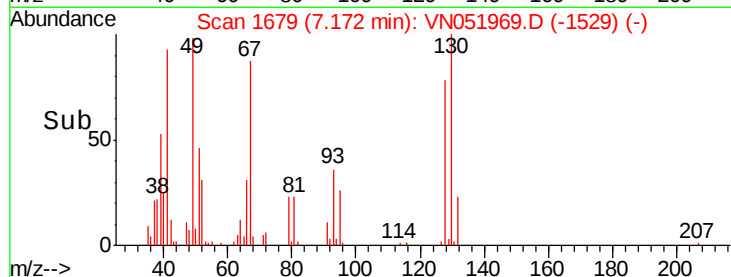
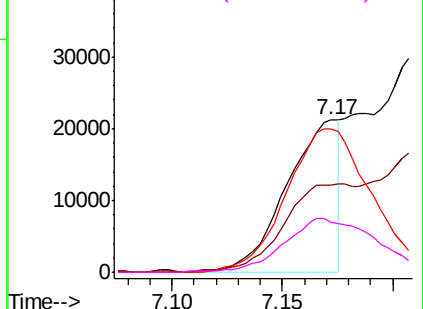
#35
Methacrylonitrile
Concen: 10.906 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.02 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 34923
Ion Ratio Lower Upper
41 100
39 56.7 22.6 67.7
67 93.4 28.9 86.8#
52 32.2 11.3 33.9

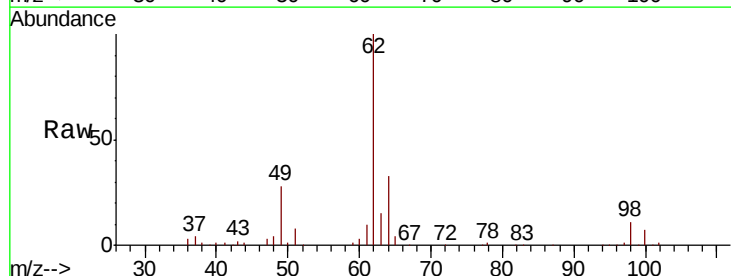


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

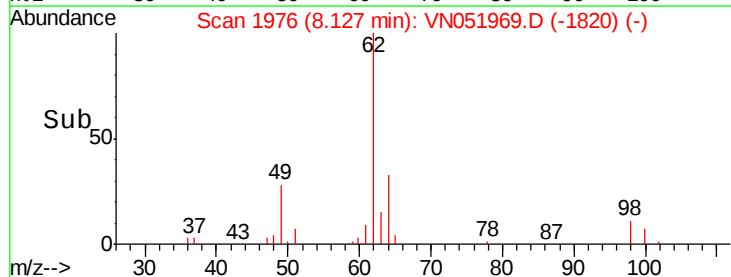
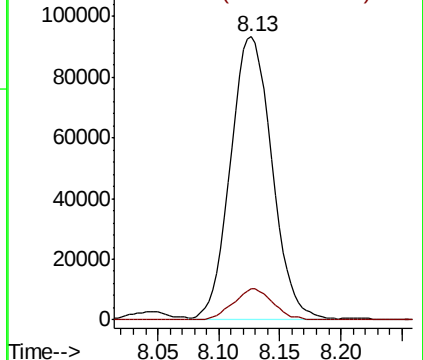


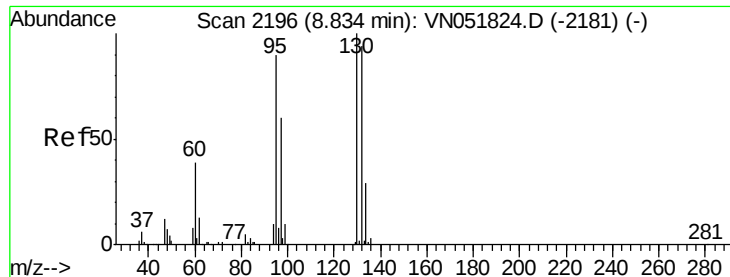
#36
1,2-Dichloroethane
Concen: 19.823 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 62 Resp: 219092
Ion Ratio Lower Upper
62 100
98 10.6 6.9 10.3#



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.568 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

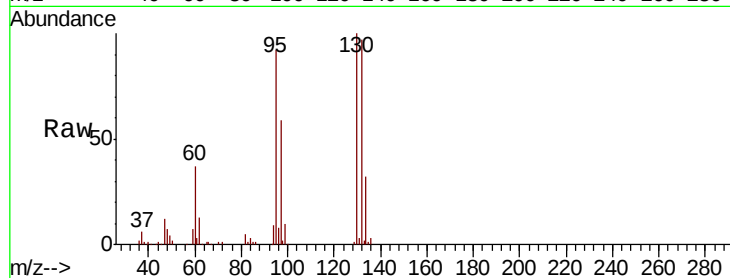
ClientSampleId :

Tot Ion:130 Resp: 220230

Ion Ratio Lower Upper

130 100

95 91.8 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

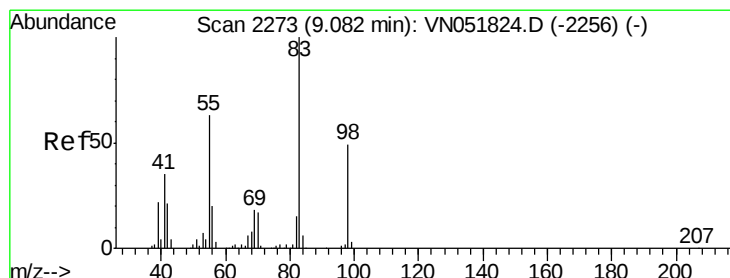
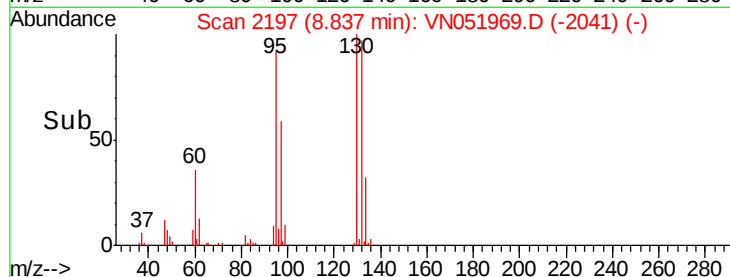
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 18.563 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

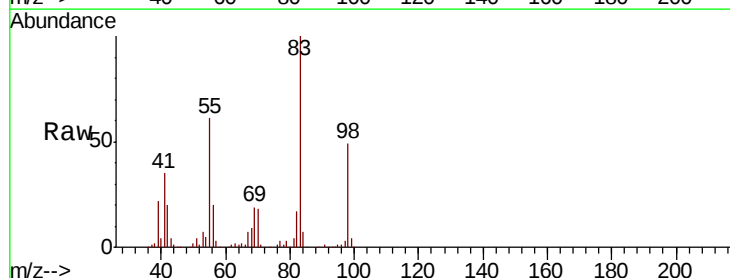
Tgt Ion: 83 Resp: 277634

Ion Ratio Lower Upper

83 100

55 61.0 43.0 129.2

98 49.3 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2256) (-)

Ion 55.00 (54.70 to 55.70): VN051824.D (-2256) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-2256) (-)

9.08

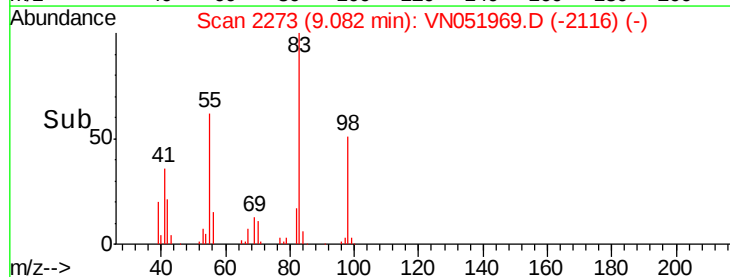
150000

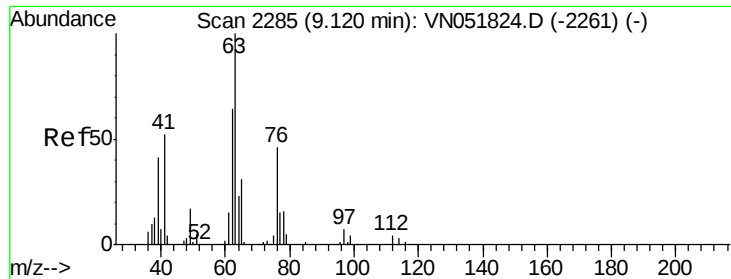
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 19.714 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

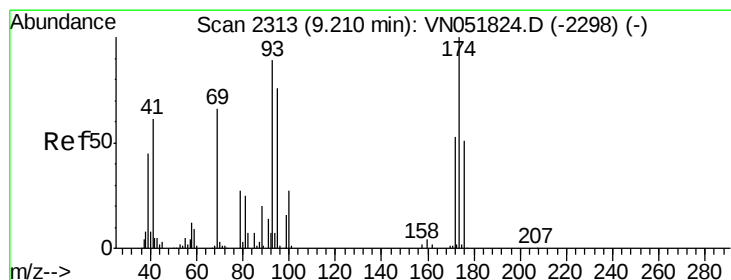
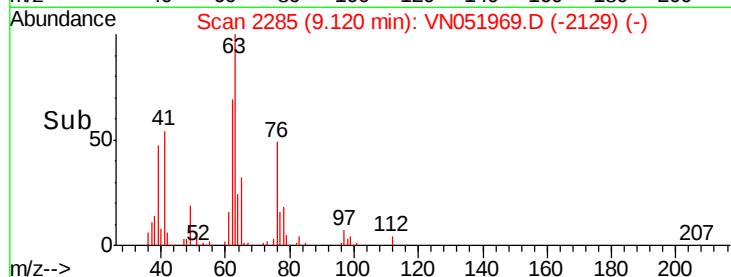
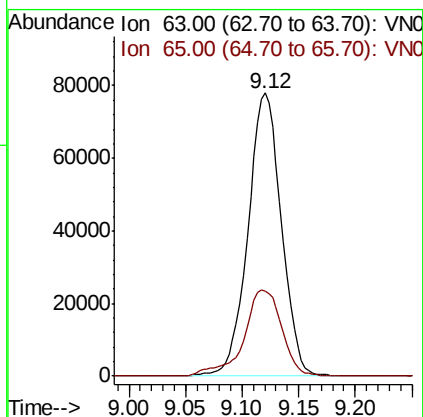
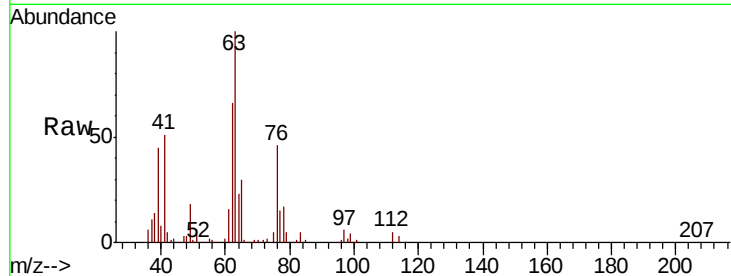
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 160135

Ion Ratio Lower Upper

63 100

65 30.1 23.2 34.8



#40

Dibromomethane

Concen: 20.261 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

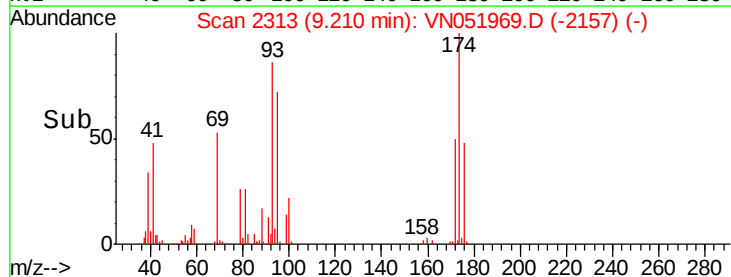
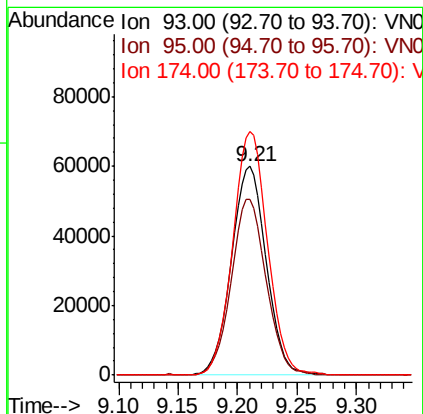
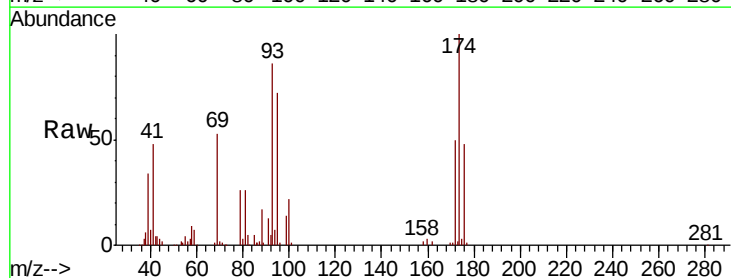
Tgt Ion: 93 Resp: 122152

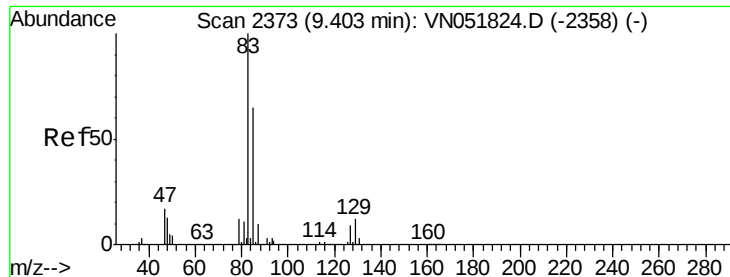
Ion Ratio Lower Upper

93 100

95 84.2 0.0 162.0

174 115.9 0.0 214.0





#41

Bromodichloromethane

Concen: 19.300 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

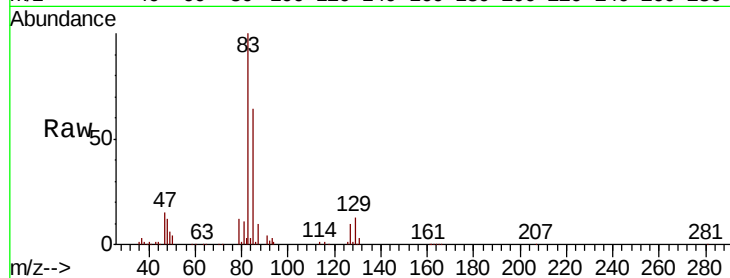
Tot Ion: 83 Resp: 240332

Ion Ratio Lower Upper

83 100

85 64.3 55.7 83.5

127 10.1 8.2 12.4

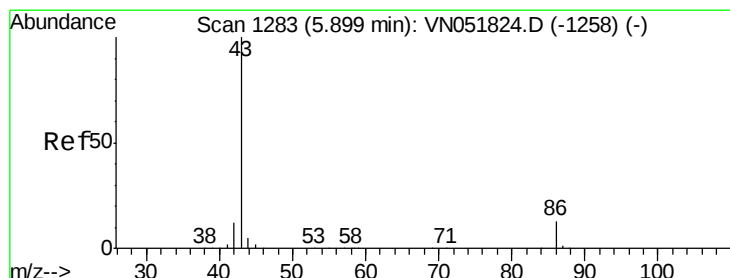
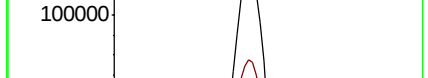
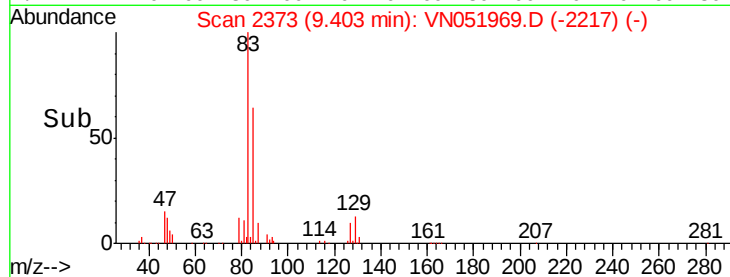


Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2358) (-)

Time-->



#42

Vinyl Acetate

Concen: 88.113 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051969.D

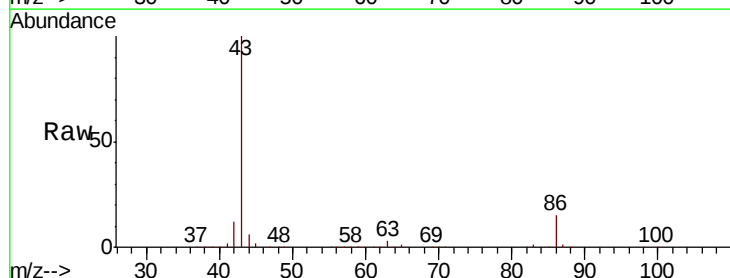
Acq: 23 Oct 2018 18:12

Tgt Ion: 43 Resp: 1208922

Ion Ratio Lower Upper

43 100

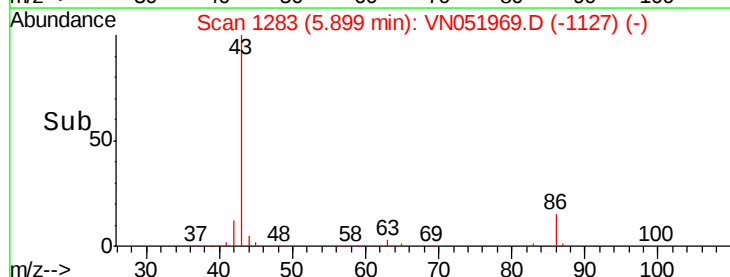
86 12.5 6.5 9.7#

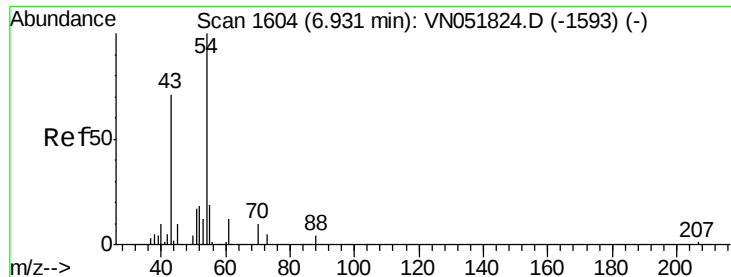


Abundance Ion 43.00 (42.70 to 43.70): VN051824.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN051824.D (-1258) (-)

Time-->

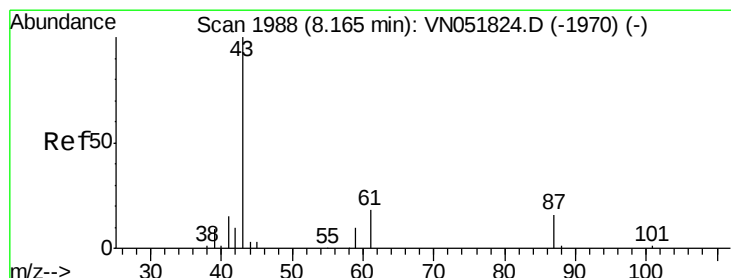
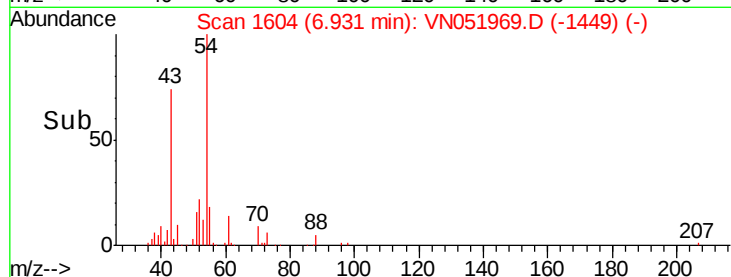
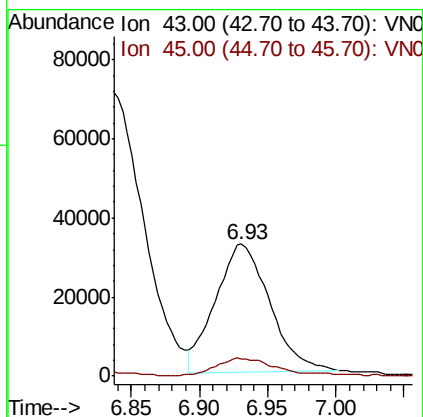
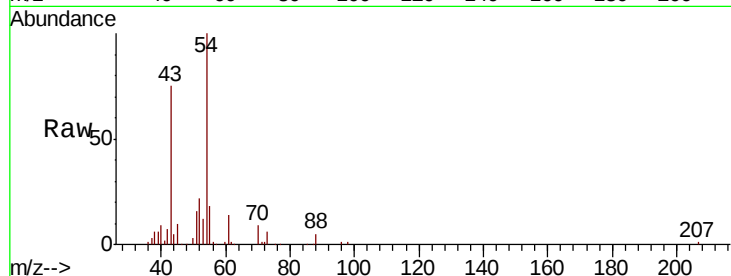




#43
Ethyl Acetate
Concen: 16.904 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

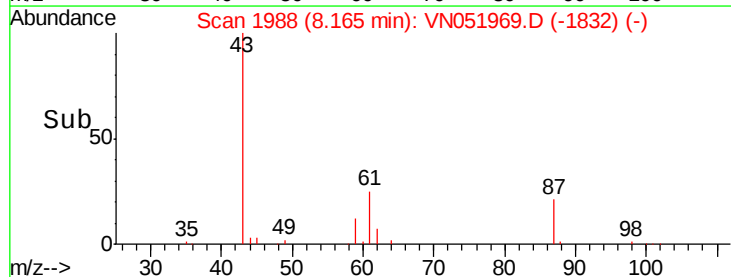
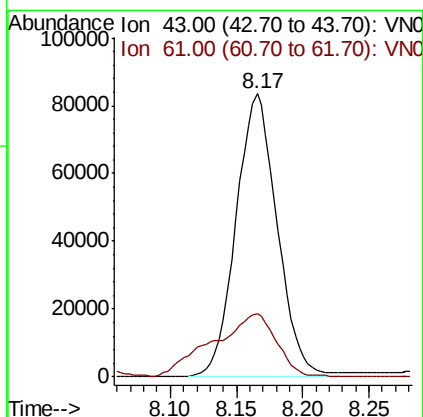
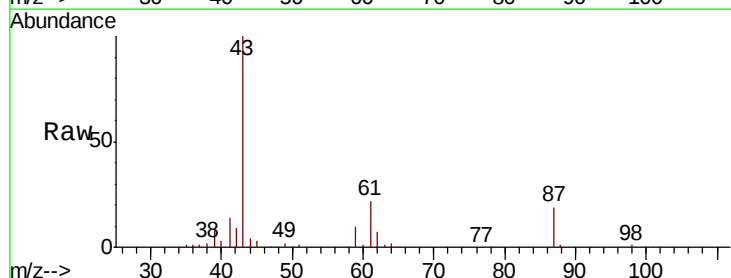
Instrument :
MSVOA_N
ClientSampled :

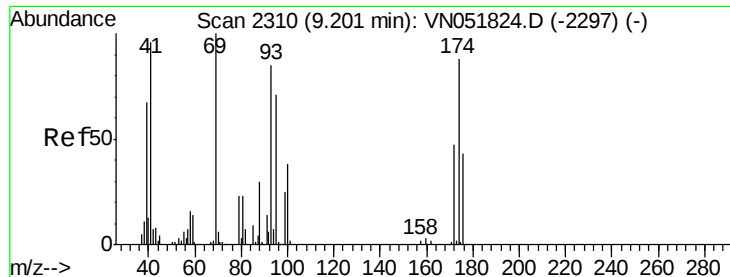
Tot Ion: 43 Resp: 89459
Ion Ratio Lower Upper
43 100
45 13.7 11.0 16.6



#44
Isopropyl Acetate
Concen: 16.922 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 43 Resp: 178873
Ion Ratio Lower Upper
43 100
61 19.7 15.9 23.9

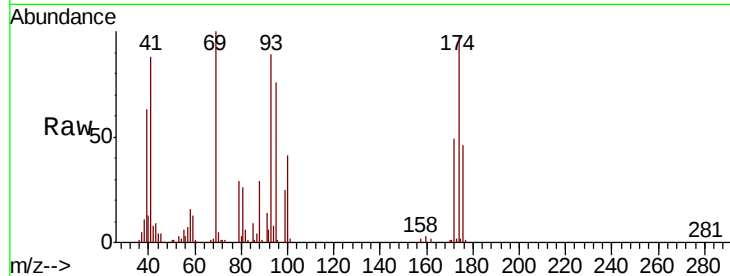




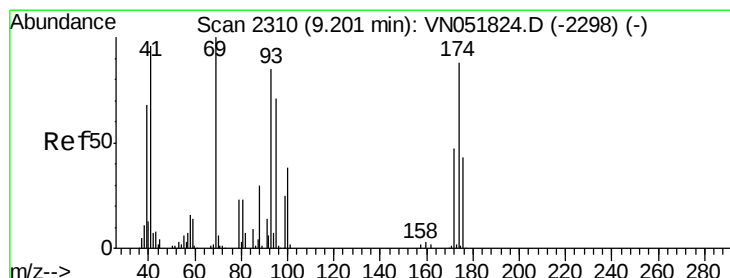
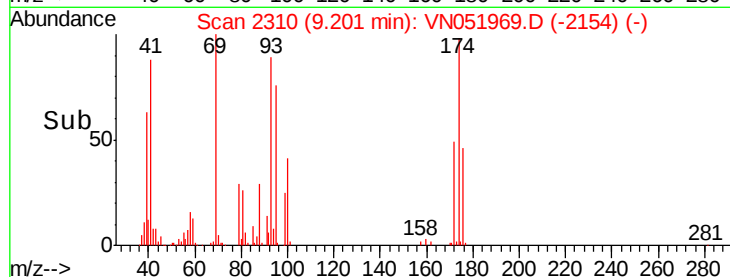
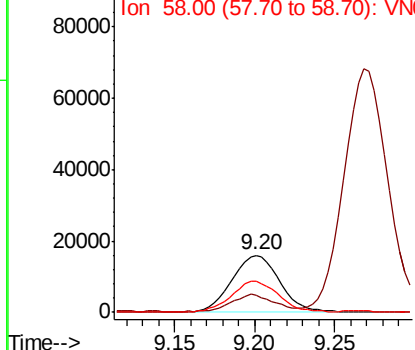
#45
1,4-Dioxane
Concen: 385.122 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 32688
Ion Ratio Lower Upper
88 100
43 25.2 26.2 39.2#
58 54.1 65.6 98.4#

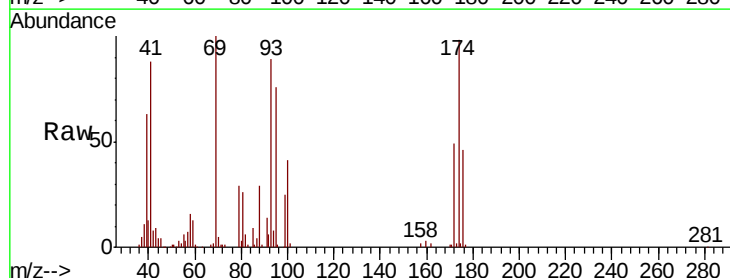


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

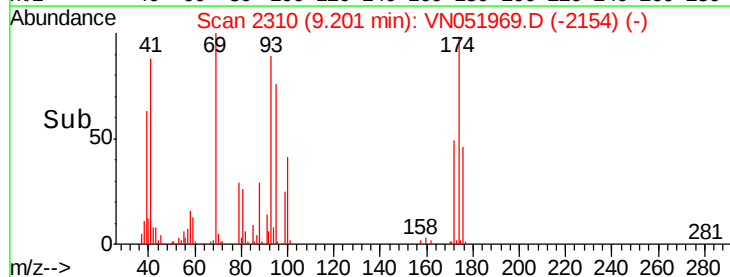
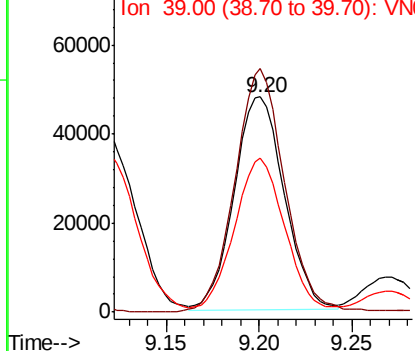


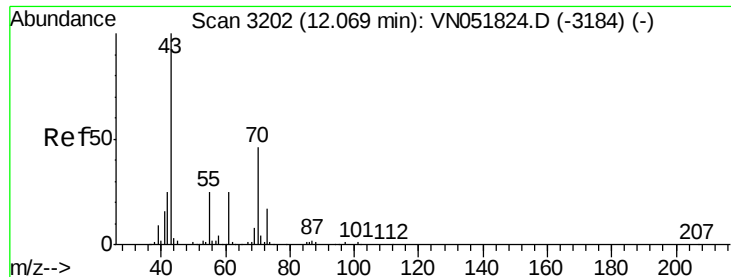
#46
Methyl methacrylate
Concen: 18.583 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 41 Resp: 90606
Ion Ratio Lower Upper
41 100
69 114.9 40.7 122.1
39 71.4 27.3 81.9



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





#47

n-amvl Acetate

Concen: 0.297 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.18 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

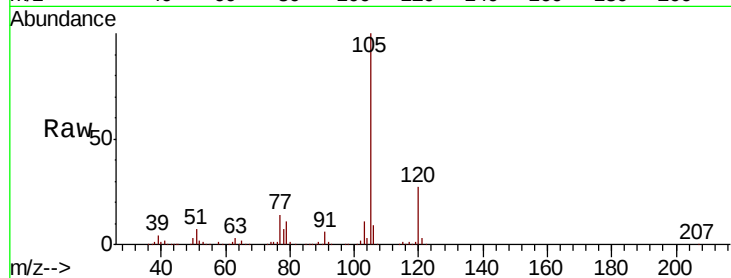
ClientSampled :

Tot Ion: 43 Resp: 2625

Ion Ratio Lower Upper

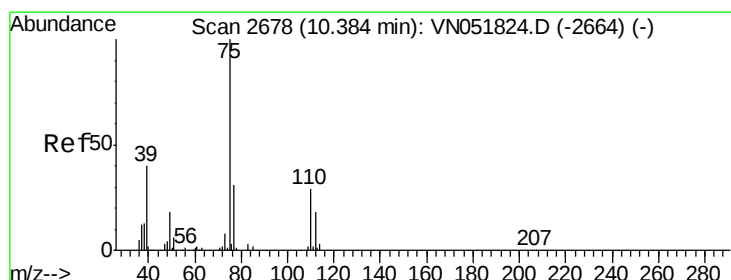
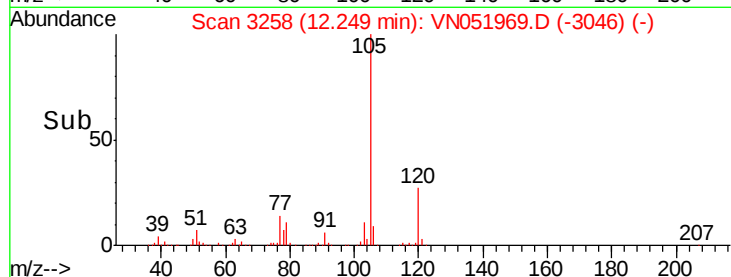
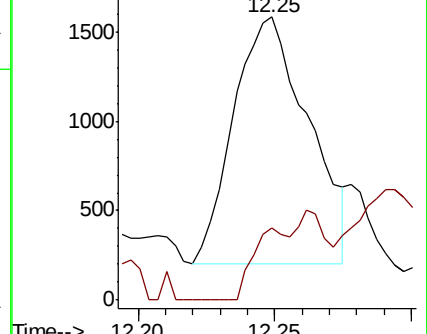
43 100

55 14.2 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.455 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051969.D

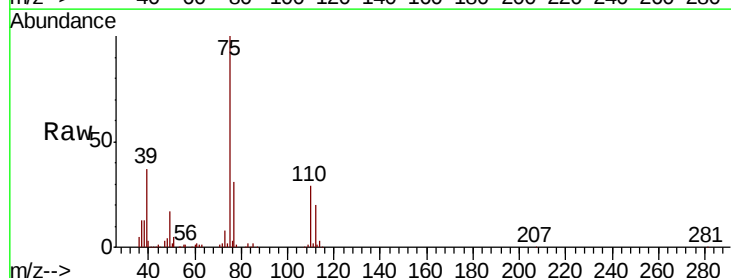
Acq: 23 Oct 2018 18:12

Tgt Ion: 75 Resp: 211963

Ion Ratio Lower Upper

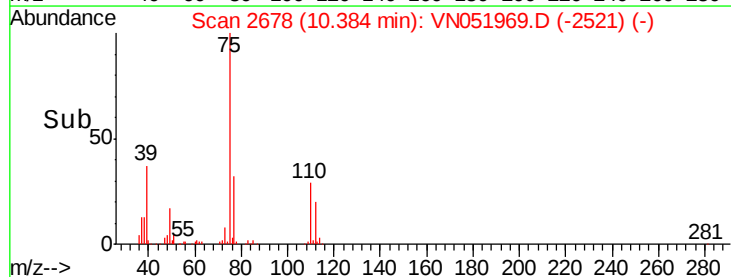
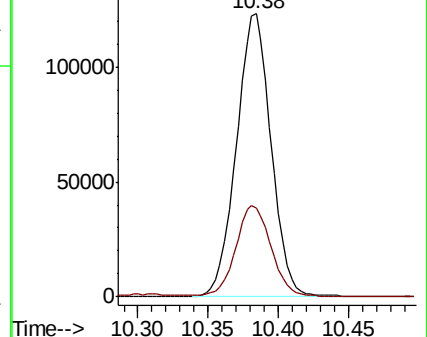
75 100

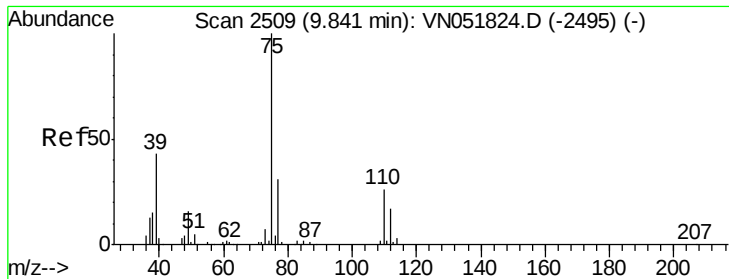
77 31.2 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



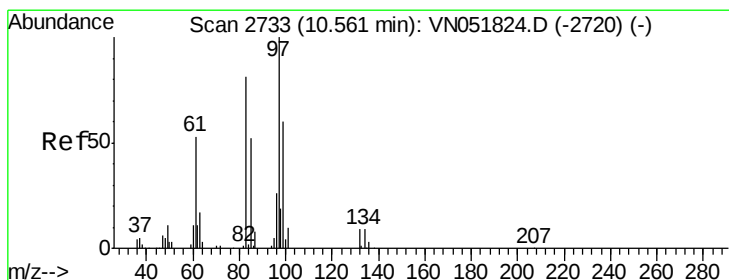
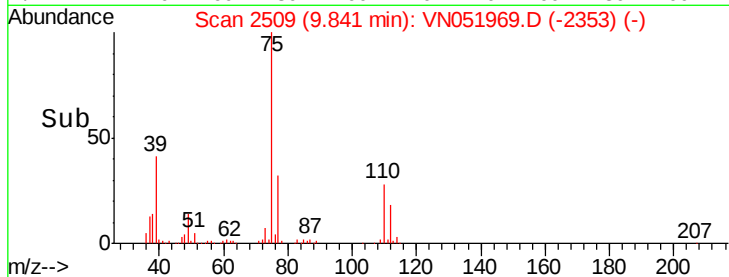
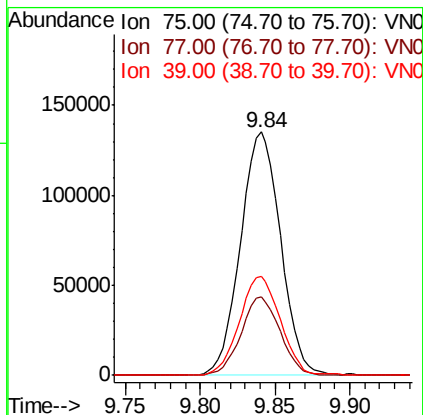
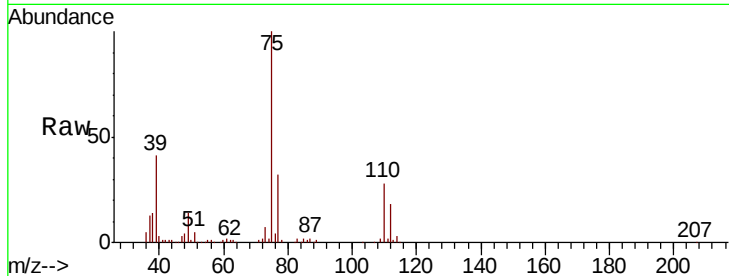


#49

cis-1,3-Dichloropropene
 Concen: 18.881 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

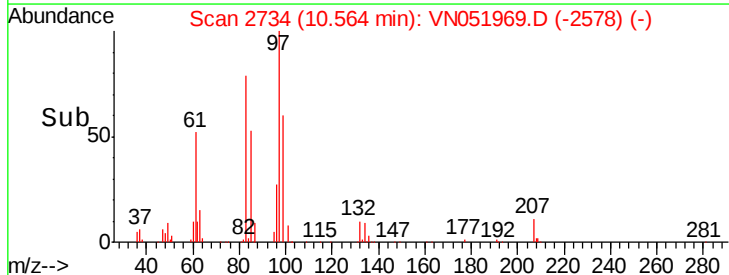
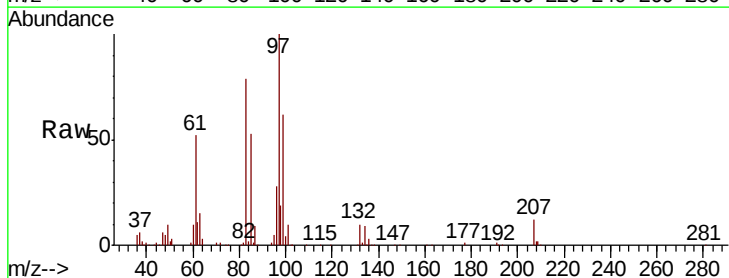
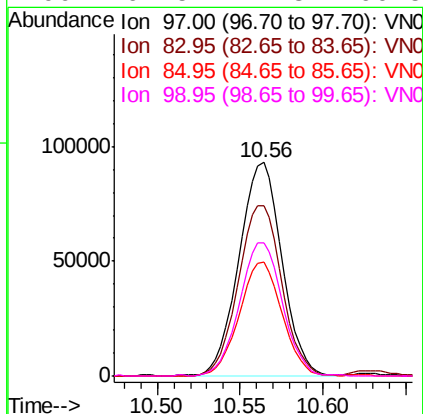
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	23.2	34.8
39	40.7	34.6	52.0

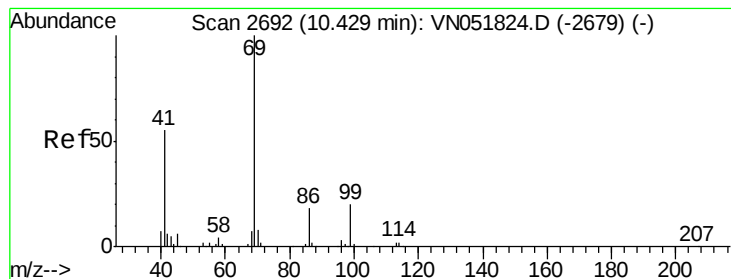


#50

1,1,2-Trichloroethane
 Concen: 20.226 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.2	102.4
85	53.3	42.5	63.7
99	62.5	44.3	66.5





#51

Ethyl methacrylate

Concen: 18.452 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

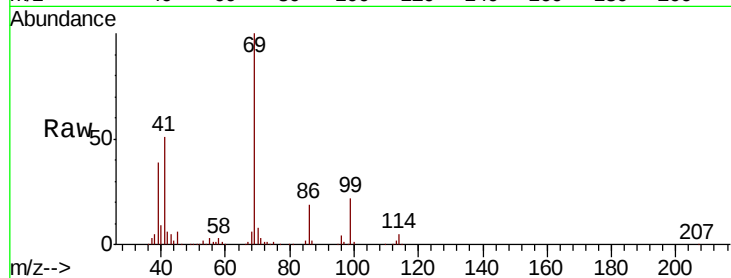
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 69 Resp: 175973

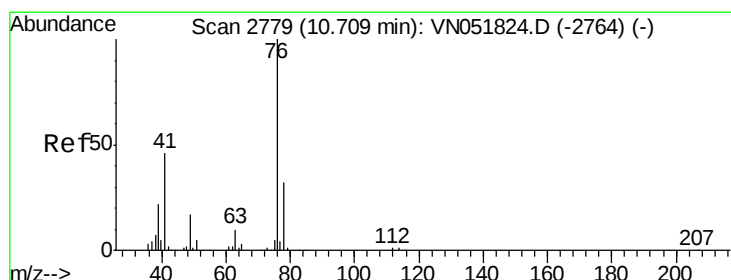
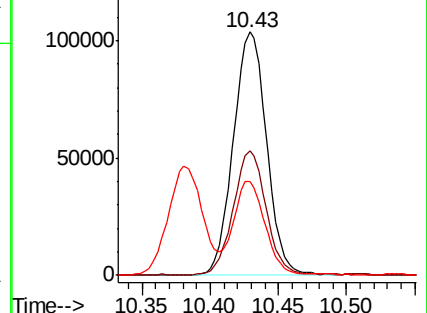
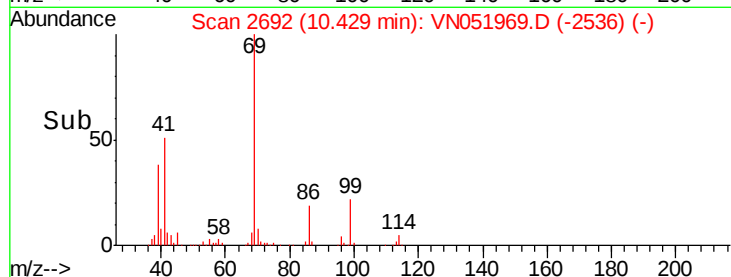
Ion	Ratio	Lower	Upper
69	100		
41	50.9	34.4	103.1
39	38.4	16.3	48.8



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: 20.051 ug/l

RT: 10.71 min Scan# 2779

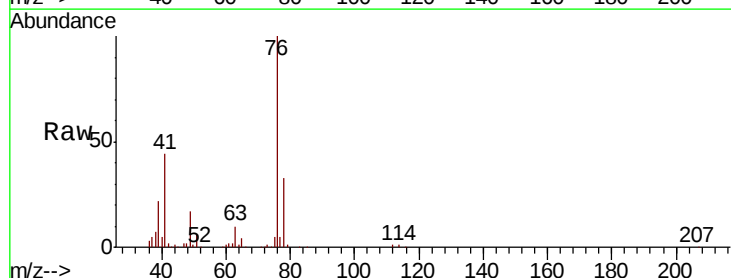
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

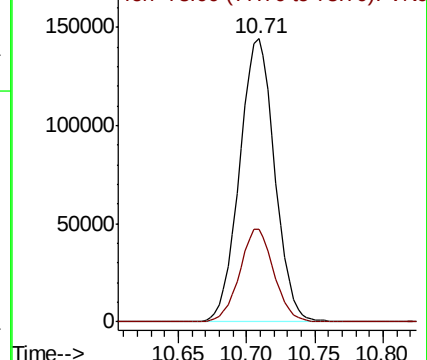
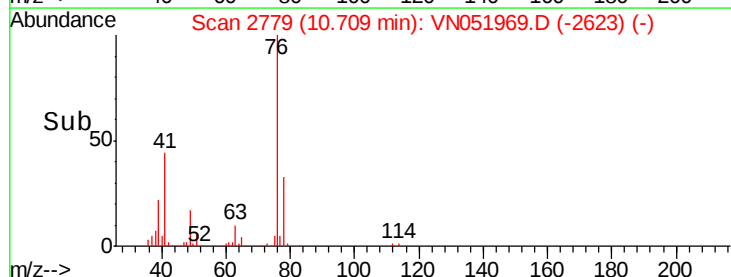
Tgt Ion: 76 Resp: 257773

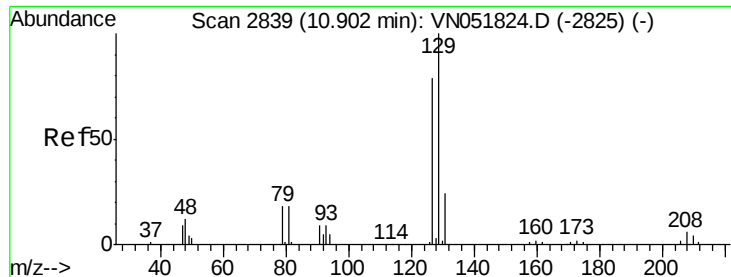
Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.922 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

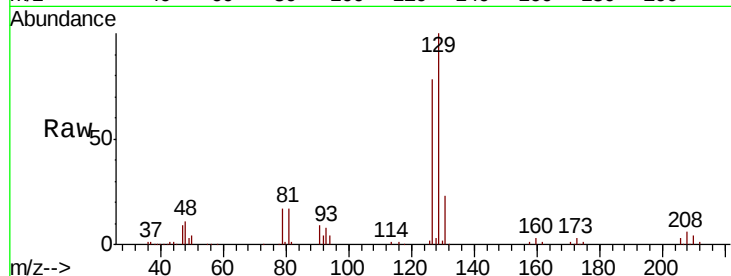
ClientSampled :

Tot Ion:129 Resp: 184679

Ion Ratio Lower Upper

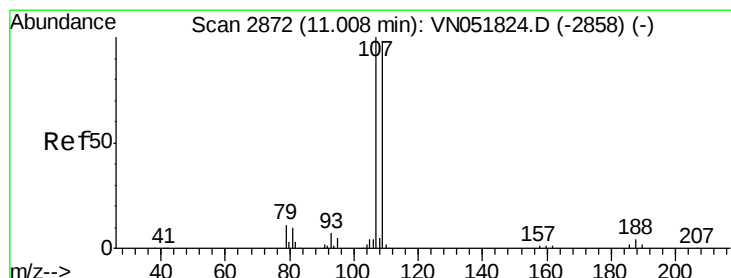
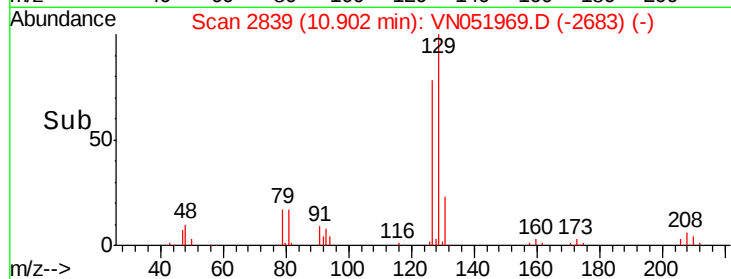
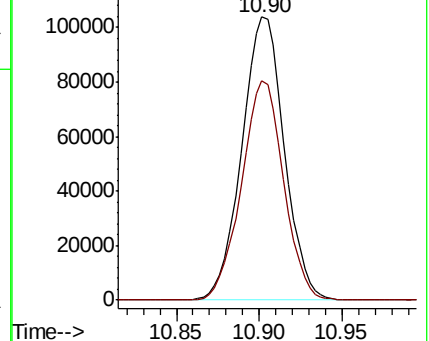
129 100

127 76.9 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.982 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN051969.D

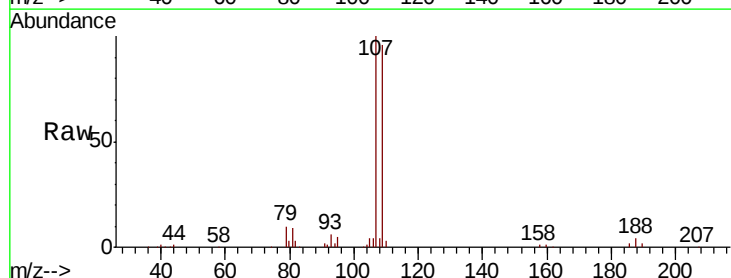
Acq: 23 Oct 2018 18:12

Tgt Ion:107 Resp: 174706

Ion Ratio Lower Upper

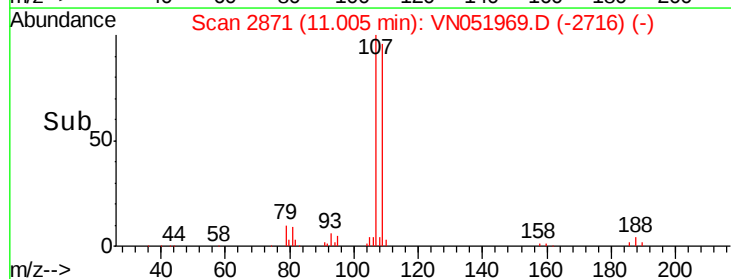
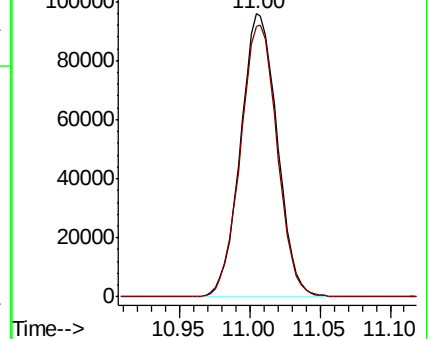
107 100

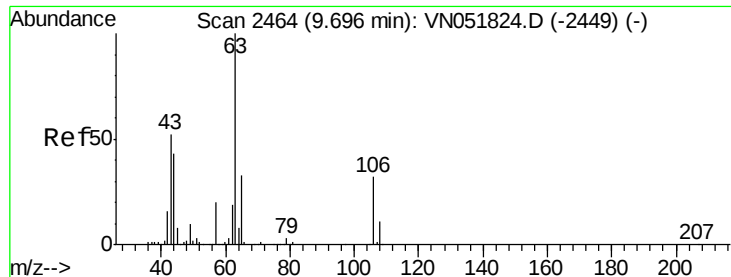
109 96.2 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

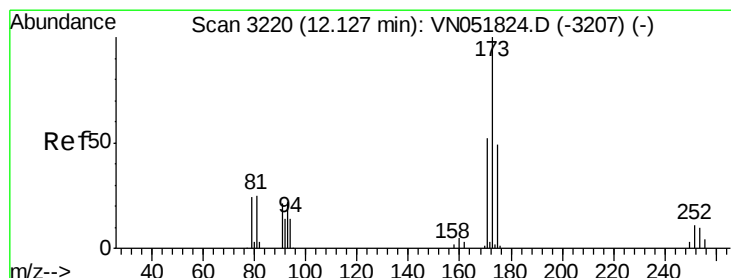
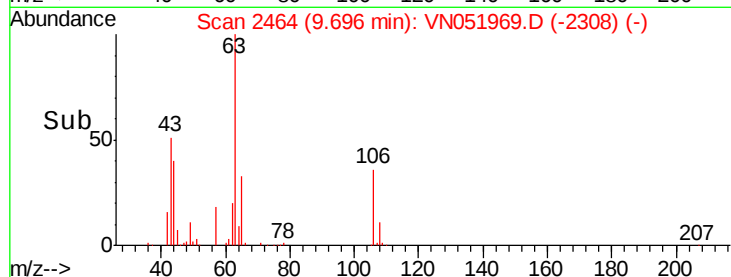
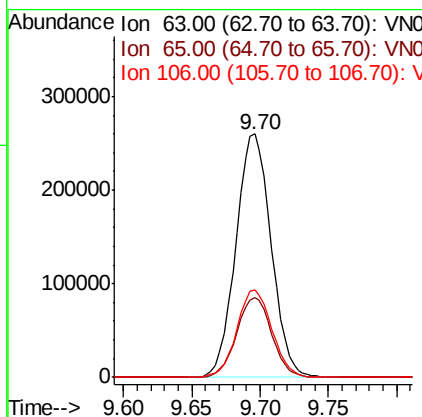
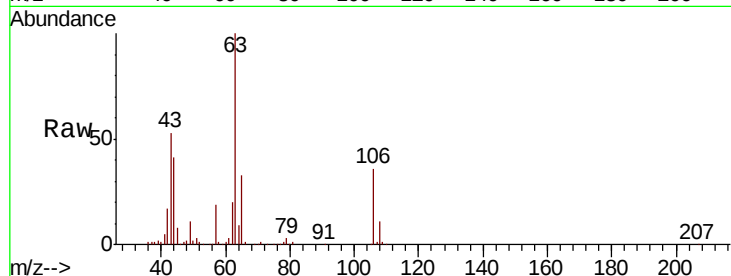




#55
2-Chloroethyl vinyl ether
Concen: 114.460 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

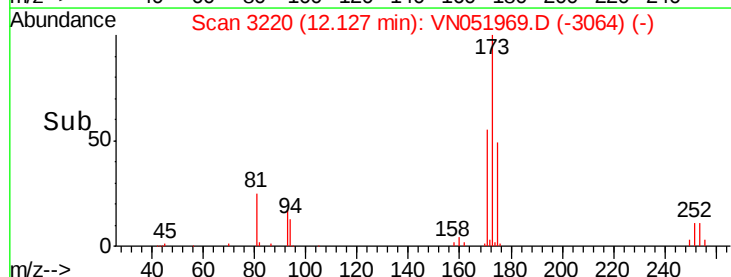
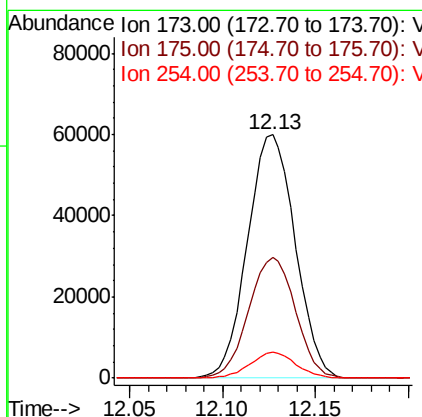
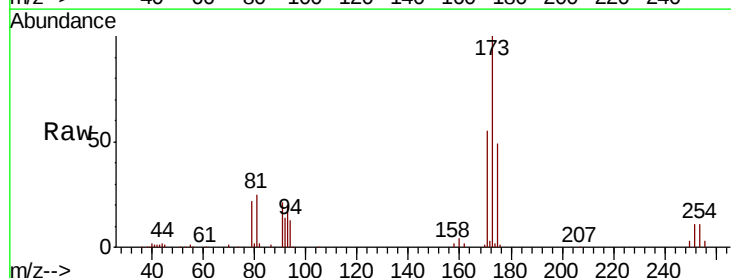
Instrument :
MSVOA_N
ClientSampleId :

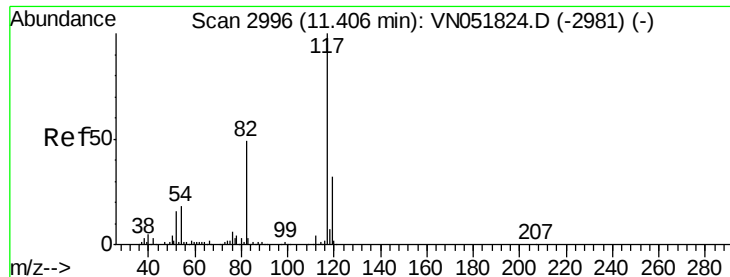
Tot Ion: 63 Resp: 466636
Ion Ratio Lower Upper
63 100
65 32.7 25.4 38.0
106 35.6 21.2 31.8#



#56
Bromoform
Concen: 15.728 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 173 Resp: 106892
Ion Ratio Lower Upper
173 100
175 48.6 35.8 53.8
254 10.0 8.6 13.0

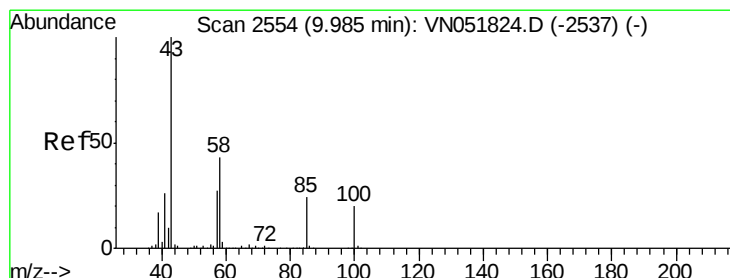
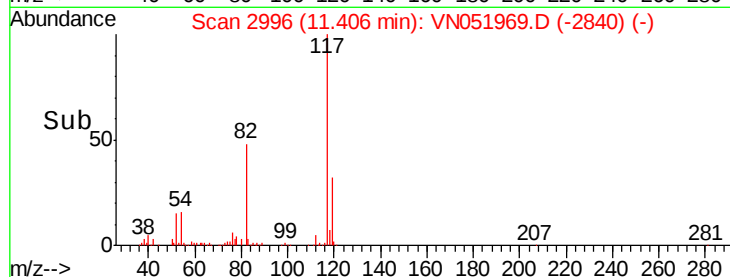
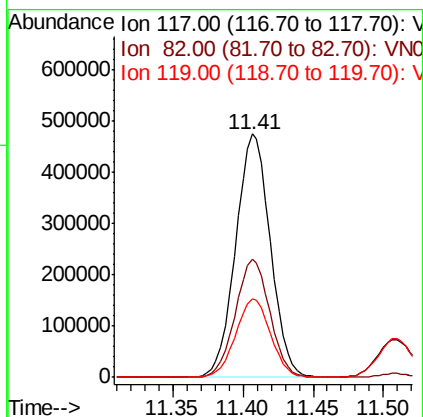
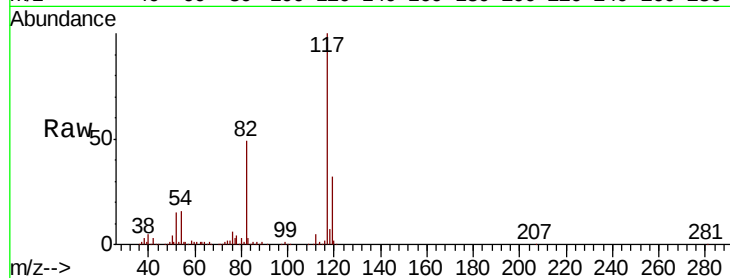




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

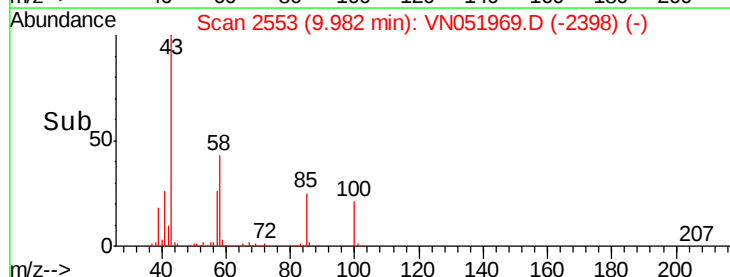
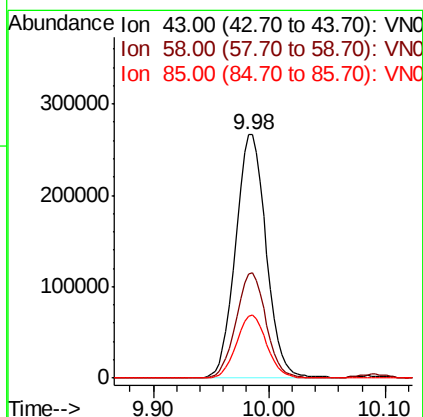
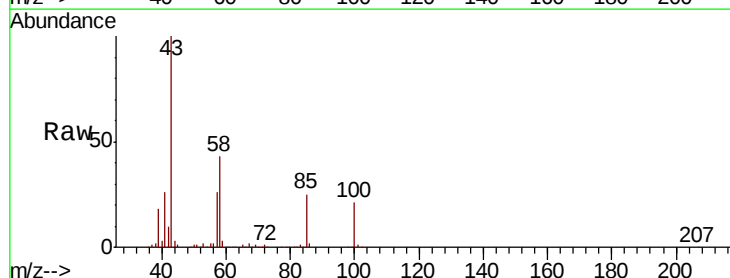
Instrument :
MSVOA_N
ClientSampled :

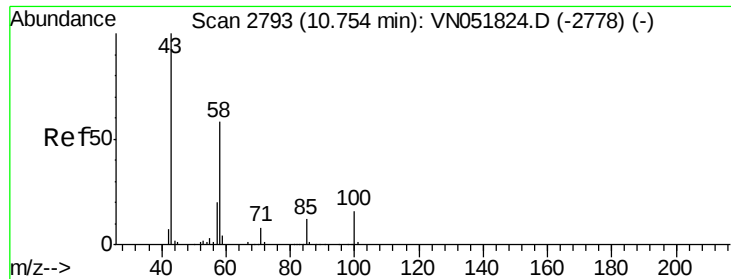
Tot Ion:117 Resp: 817444
Ion Ratio Lower Upper
117 100
82 48.2 44.1 66.1
119 32.4 25.8 38.8



#58
4-Methyl-2-Pentanone
Concen: 88.621 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 43 Resp: 484784
Ion Ratio Lower Upper
43 100
58 42.8 29.3 43.9
85 25.6 12.6 18.8#

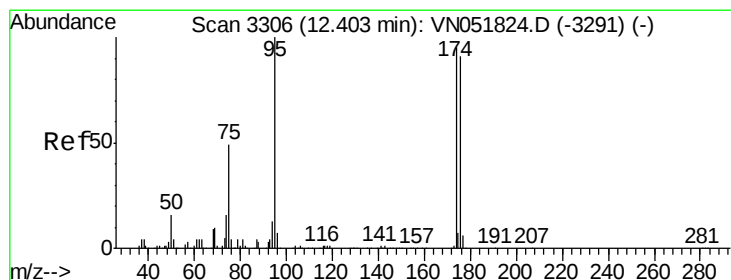
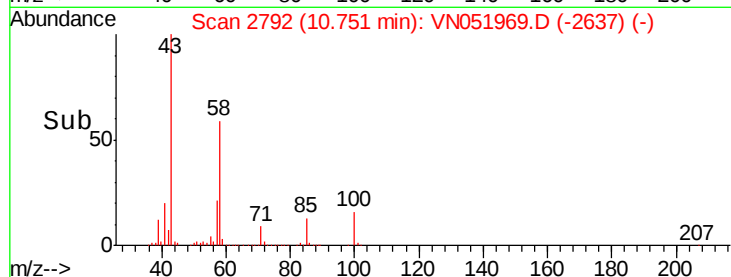
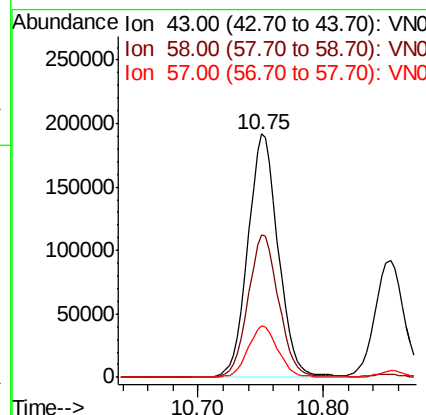
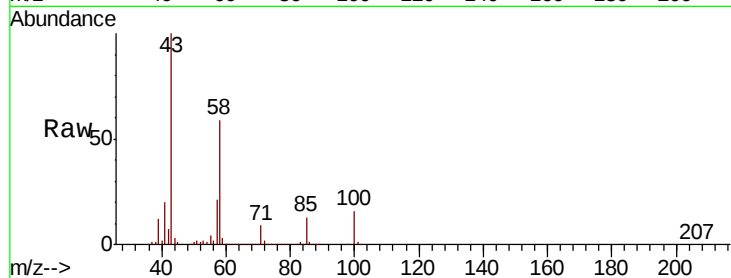




#59
2-Hexanone
Concen: 87.153 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

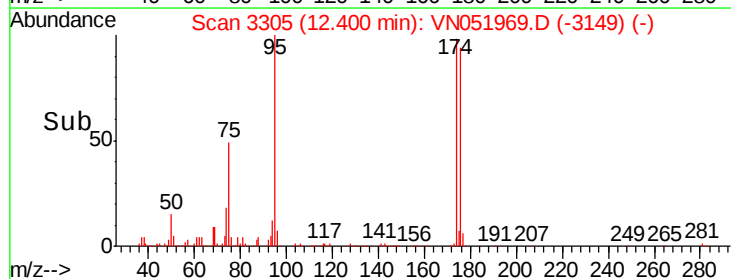
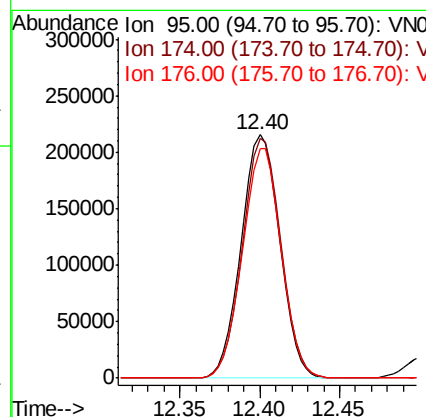
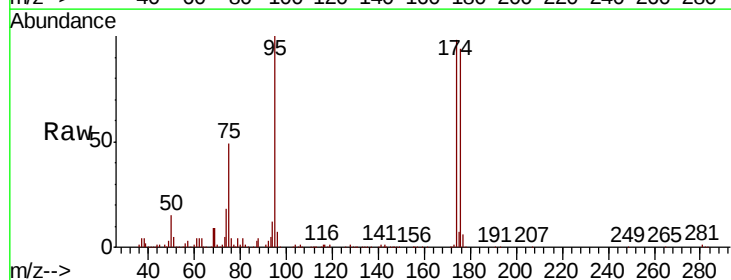
Instrument :
MSVOA_N
ClientSampleId :

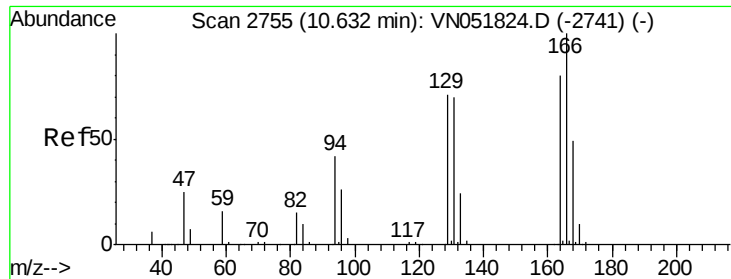
Tot Ion: 43 Resp: 321636
Ion Ratio Lower Upper
43 100
58 59.0 41.3 61.9
57 20.9 13.4 20.0#



#60
4-Bromofluorobenzene
Concen: 87.153 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 95 Resp: 354034
Ion Ratio Lower Upper
95 100
174 98.2 73.5 110.3
176 94.7 70.2 105.2





#61

Tetrachloroethene

Concen: 19.676 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 205694

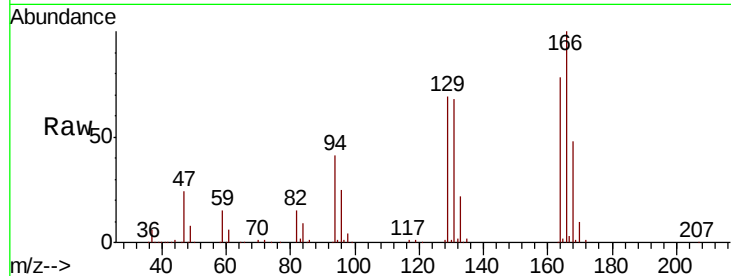
Ion Ratio Lower Upper

164 100

166 127.9 98.7 148.1

129 88.2 69.6 104.4

131 86.6 72.4 108.6

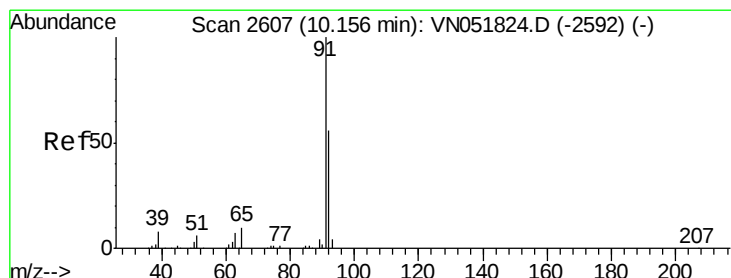
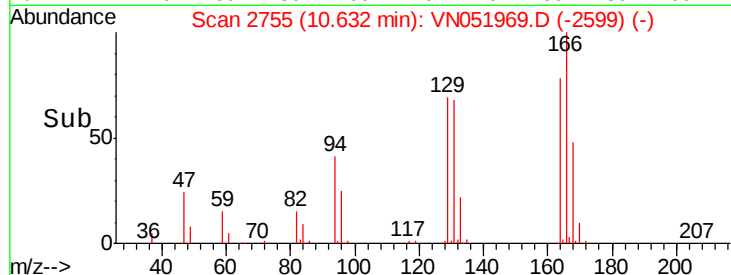
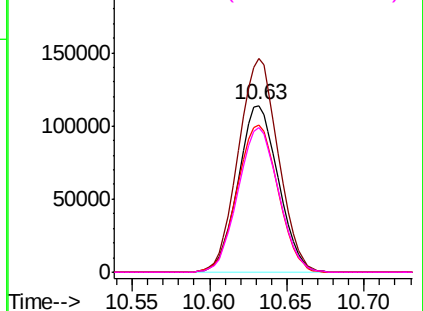


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.448 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051969.D

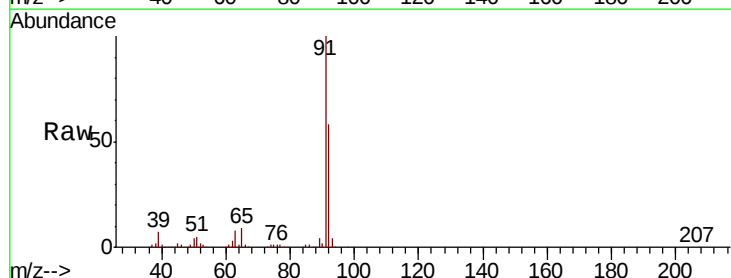
Acq: 23 Oct 2018 18:12

Tgt Ion: 91 Resp: 830399

Ion Ratio Lower Upper

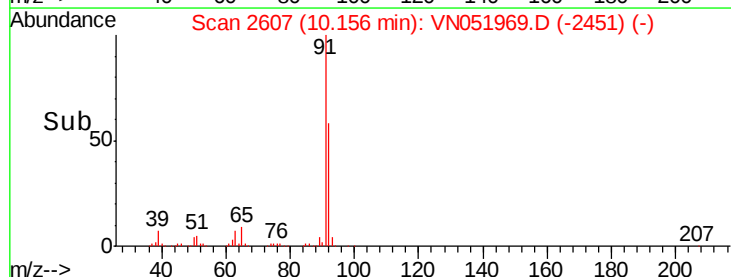
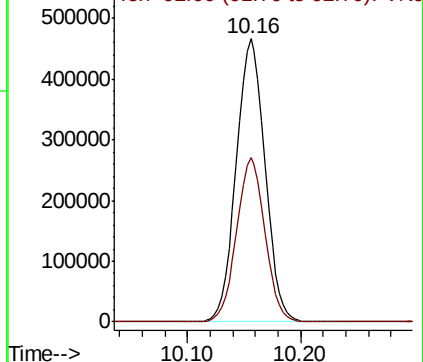
91 100

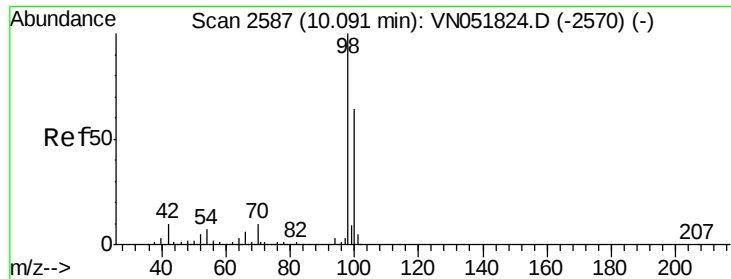
92 56.9 44.6 66.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.448 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

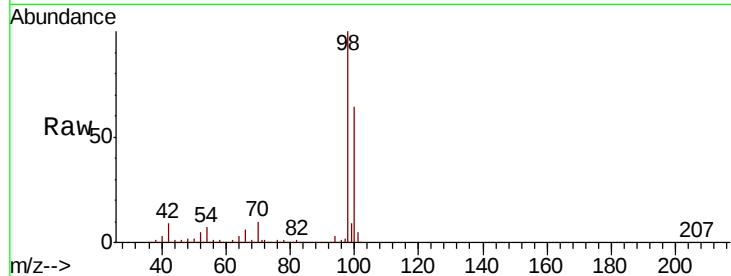
ClientSampleId :

Tot Ion: 98 Resp: 1056653

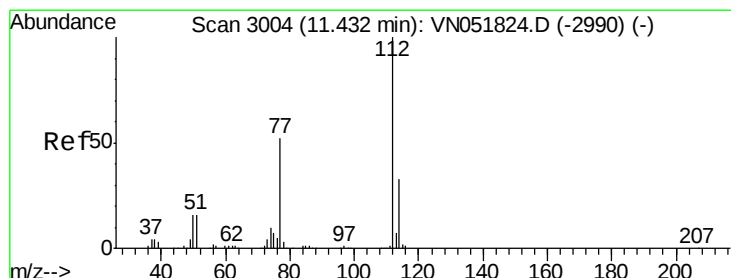
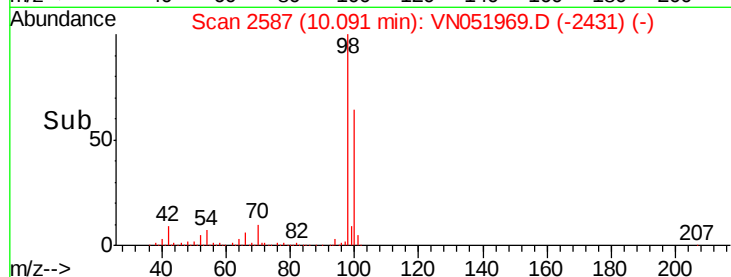
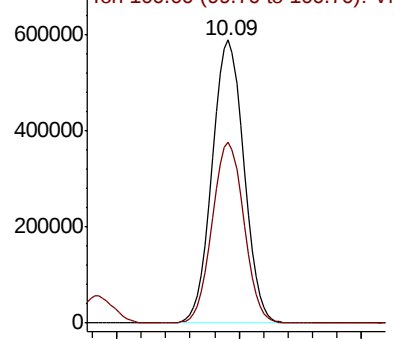
Ion Ratio Lower Upper

98 100

100 63.6 50.8 76.2



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



#64

Chlorobenzene

Concen: 20.696 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051969.D

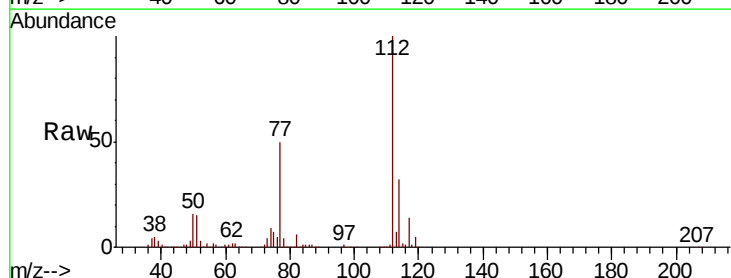
Acq: 23 Oct 2018 18:12

Tgt Ion: 112 Resp: 550433

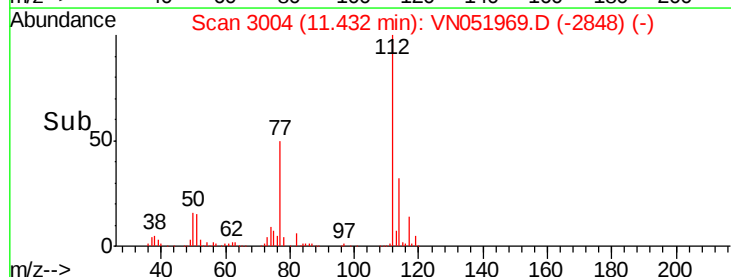
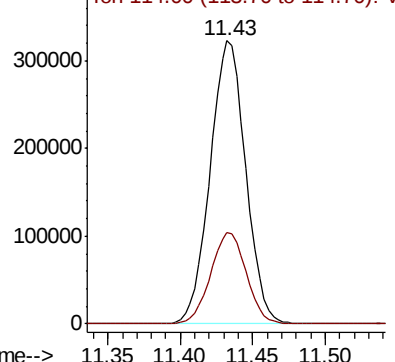
Ion Ratio Lower Upper

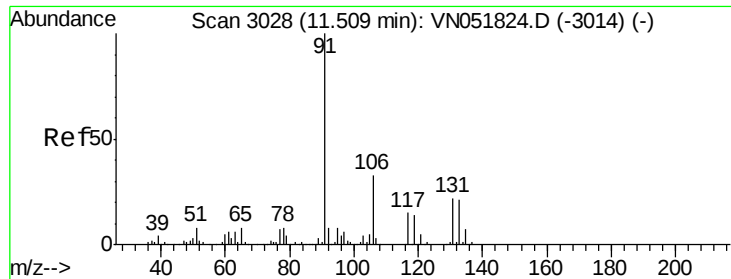
112 100

114 32.4 27.5 41.3



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





#65

1,1,1,2-Tetrachloroethane

Concen: 19.744 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampleId :

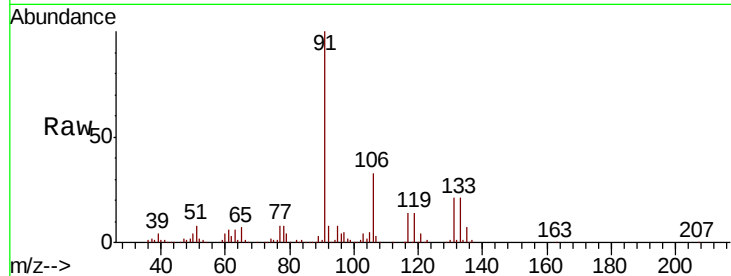
Tot Ion:131 Resp: 201556

Ion Ratio Lower Upper

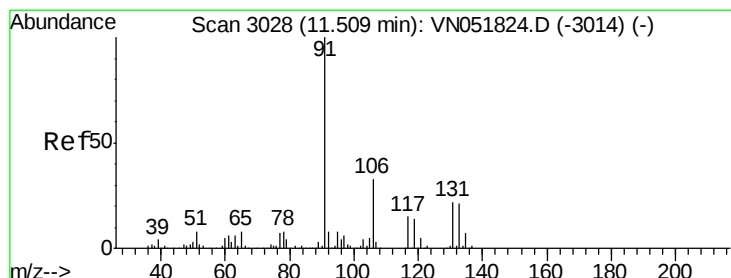
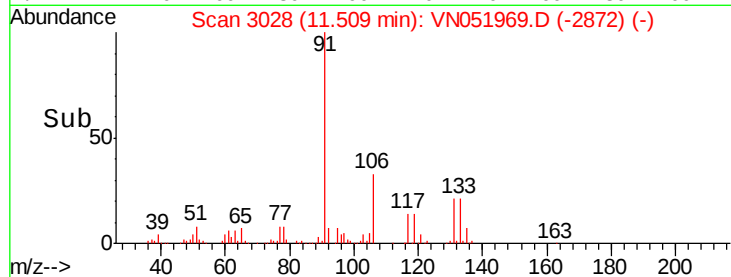
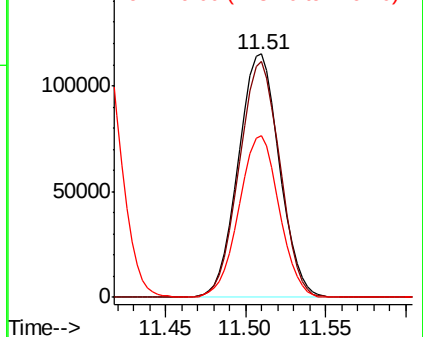
131 100

133 95.8 0.0 190.4

119 64.9 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: 20.033 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051969.D

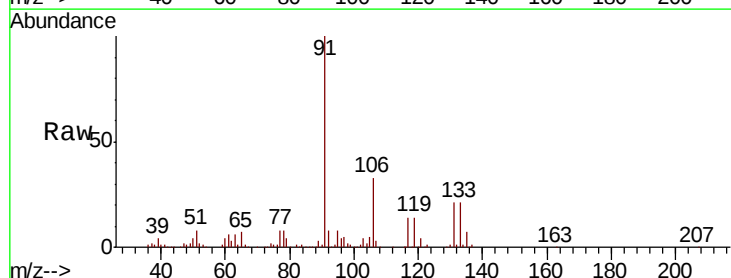
Acq: 23 Oct 2018 18:12

Tgt Ion: 91 Resp: 899116

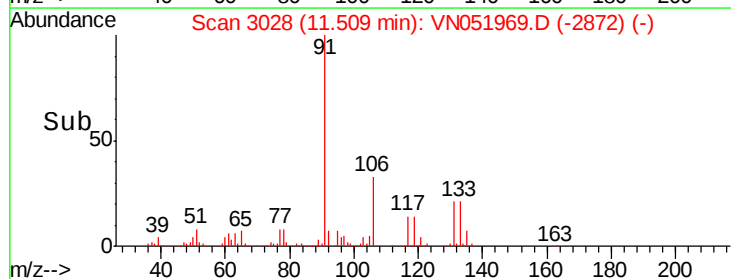
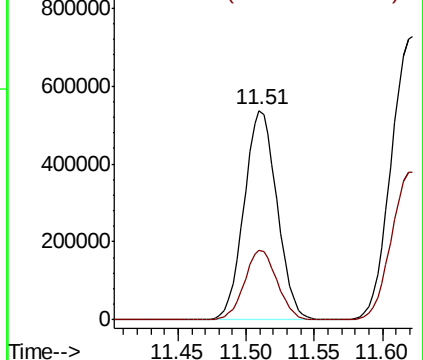
Ion Ratio Lower Upper

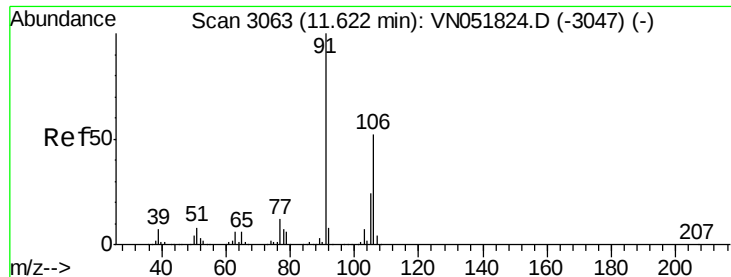
91 100

106 33.2 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 106.00 (105.70 to 106.70): V

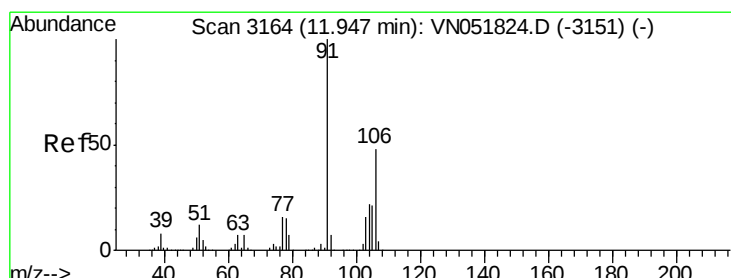
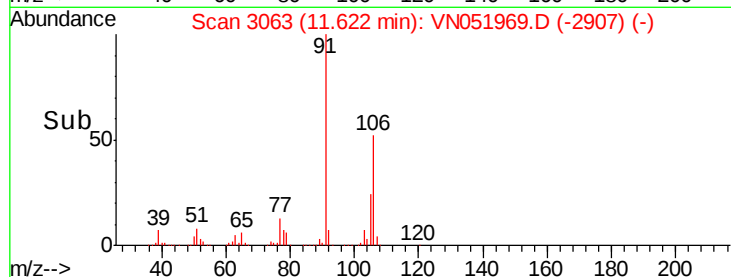
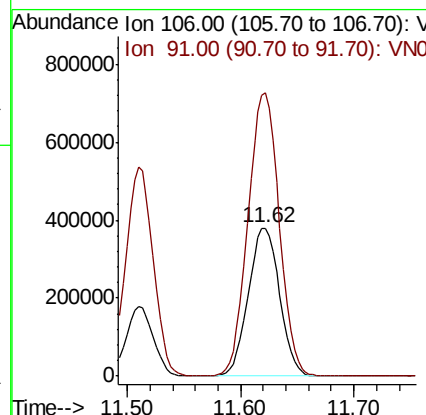
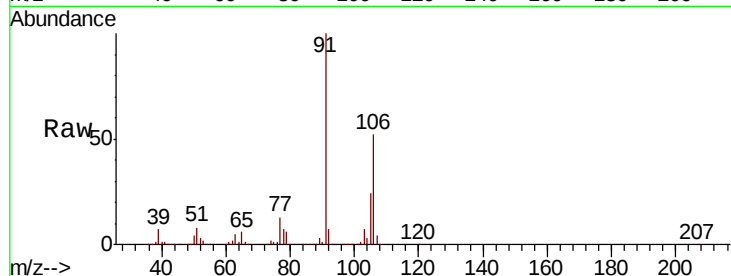




#67
m/p-Xylenes
Concen: 40.137 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

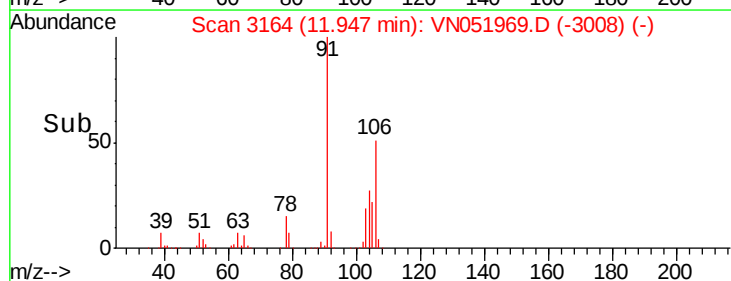
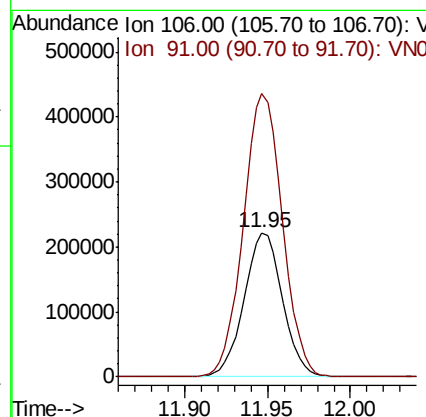
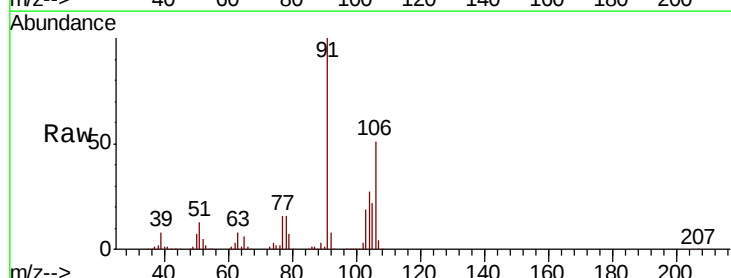
Instrument :
MSVOA_N
ClientSampled :

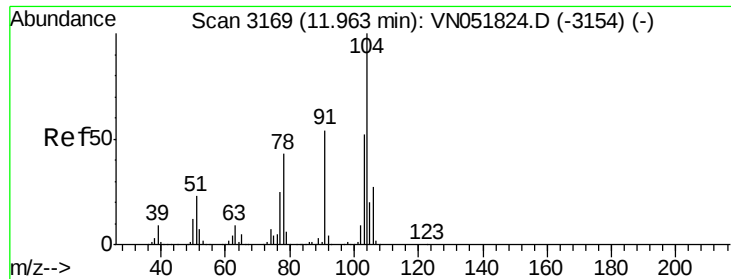
Tot Ion:106 Resp: 730337
Ion Ratio Lower Upper
106 100
91 191.3 158.8 238.2



#68
o-Xylene
Concen: 19.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion:106 Resp: 355600
Ion Ratio Lower Upper
106 100
91 200.7 111.1 333.3

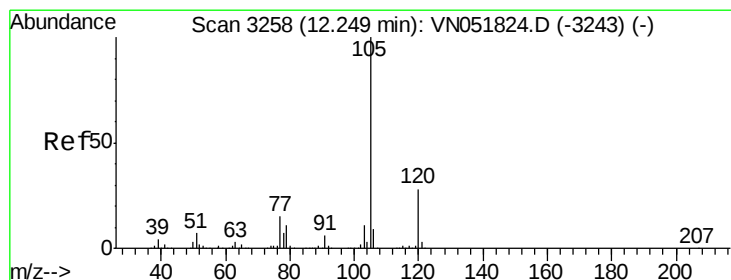
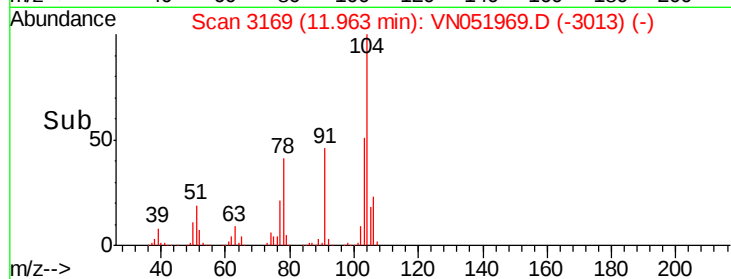
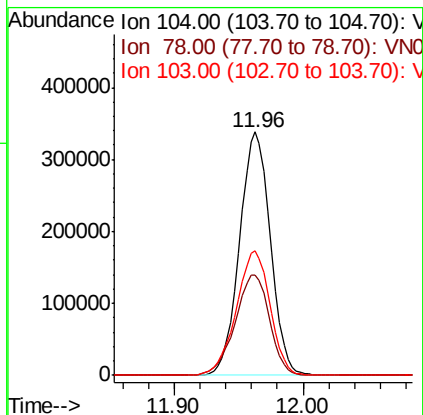
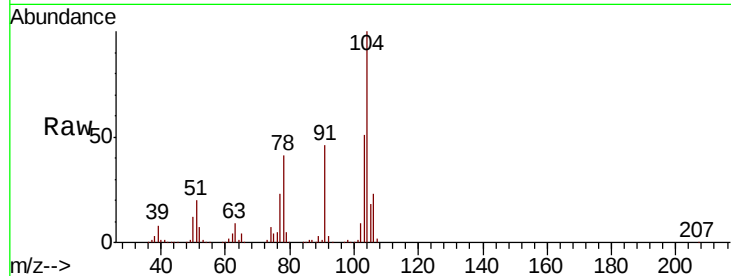




#69
Stvrene
Concen: 20.481 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

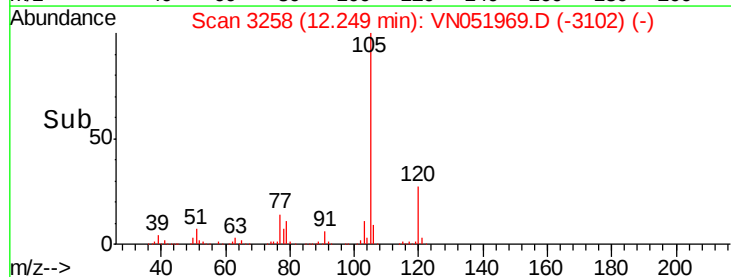
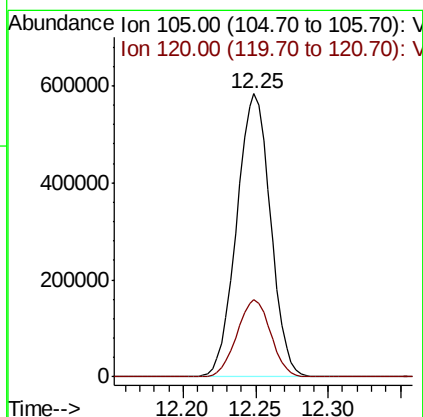
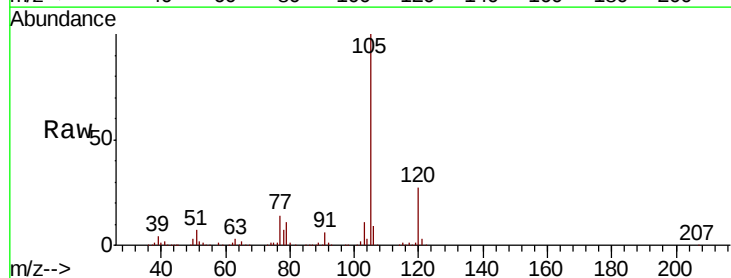
Instrument :
MSVOA_N
ClientSampleId :

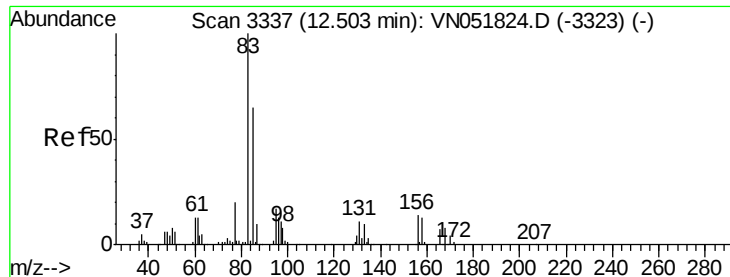
Tot Ion	Ratio	Lower	Upper
104	100		
78	45.8	40.6	60.8
103	55.9	44.0	66.0



#70
Isopropylbenzene
Concen: 19.776 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	19.0	35.4

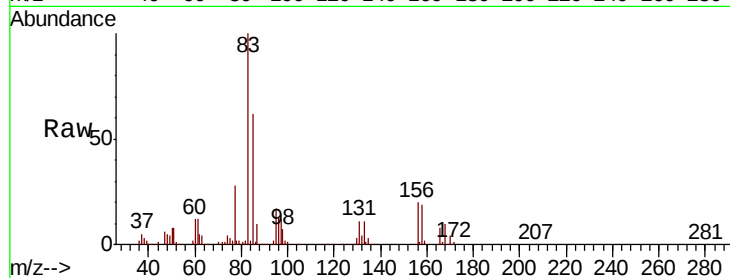




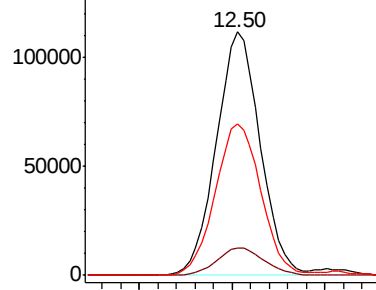
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.533 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampled :

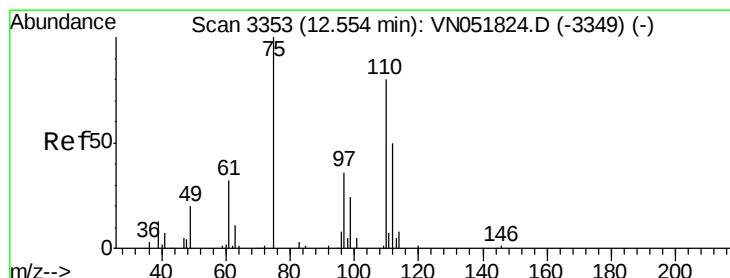
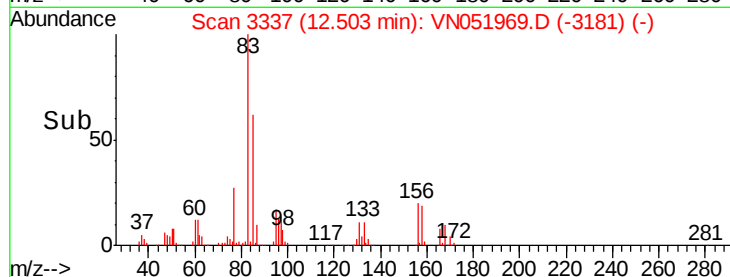
Tot Ion	83	Resp	184520
Ion Ratio	100		
Lower	5.5		
Upper	16.4		
85	65.0		91.8



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

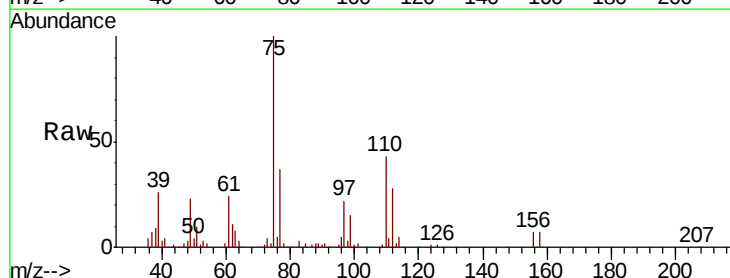


Time-->

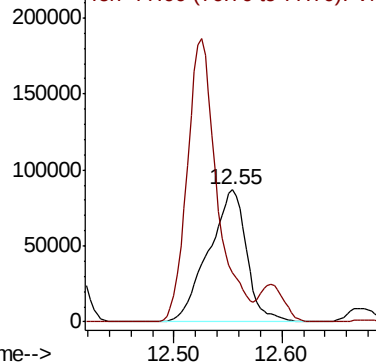


#72
 1,2,3-Trichloropropane
 Concen: 28.673 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

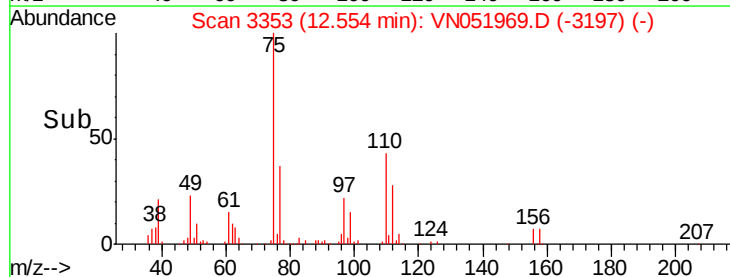
Tgt Ion	75	Resp	213085
Ion Ratio	100		
Lower	0.0		
Upper	400.0		
77	168.8		

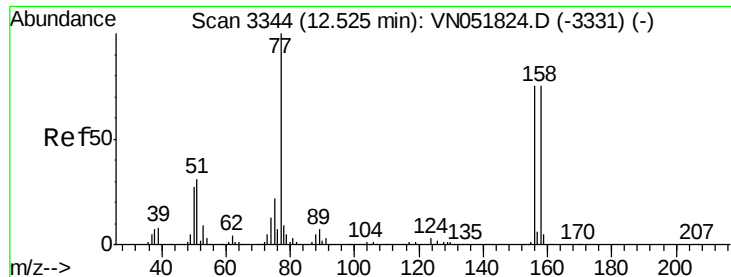


Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0



Time-->





#73

Bromobenzene

Concen: 21.749 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

ClientSampled :

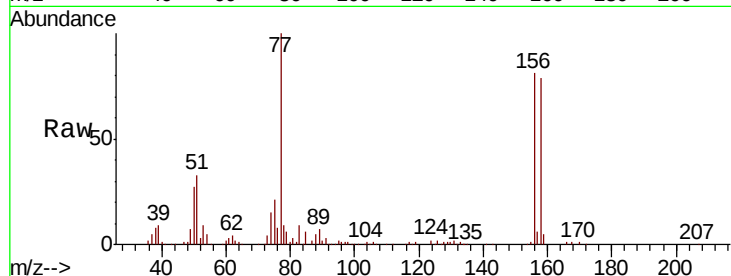
Tot Ion:156 Resp: 257698

Ion Ratio Lower Upper

156 100

77 139.6 0.0 377.4

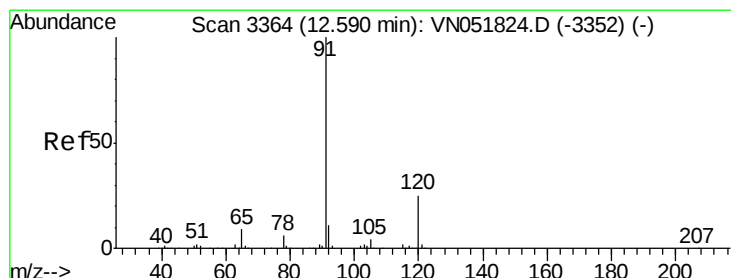
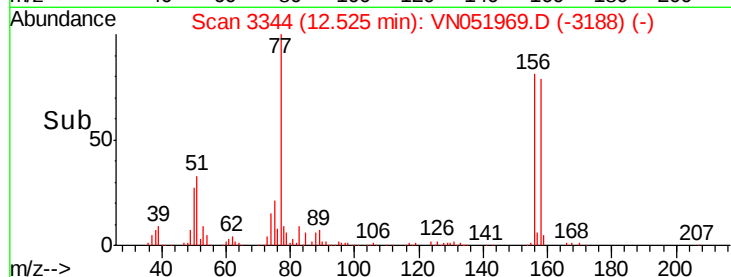
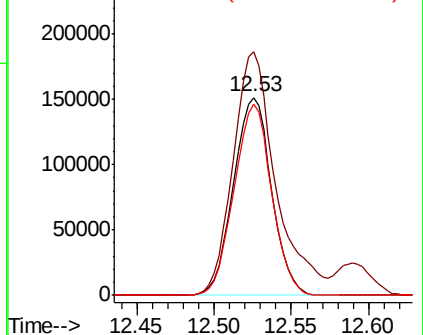
158 95.8 0.0 203.0



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: 19.900 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN051969.D

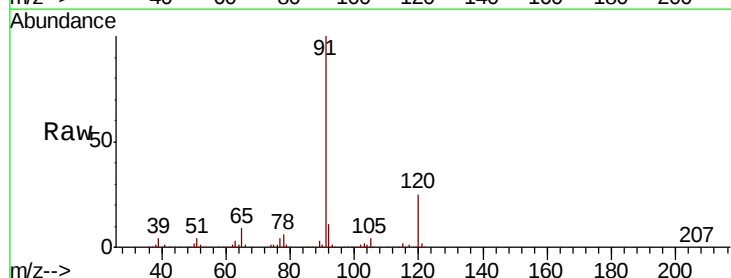
Acq: 23 Oct 2018 18:12

Tgt Ion: 91 Resp: 1023912

Ion Ratio Lower Upper

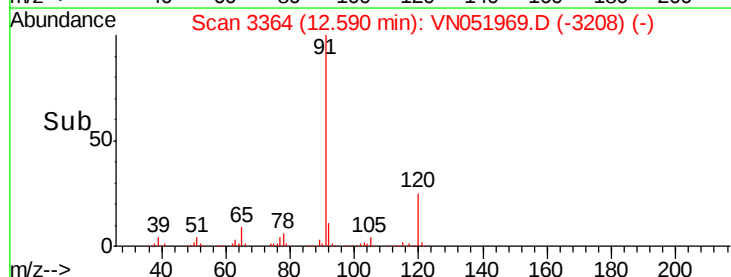
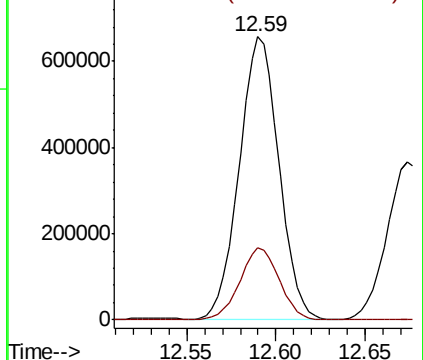
91 100

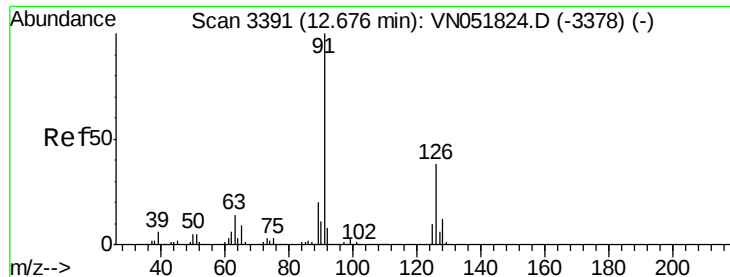
120 25.3 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.011 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Instrument :

MSVOA_N

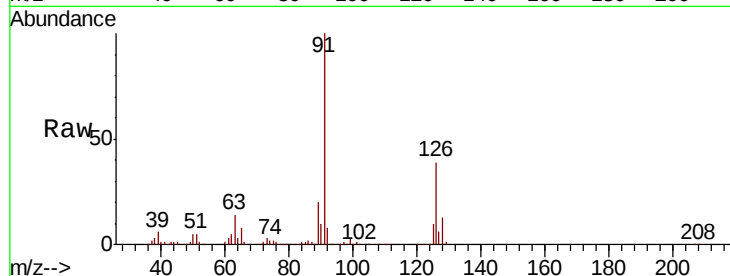
ClientSampled :

Tot Ion: 91 Resp: 603647

Ion Ratio Lower Upper

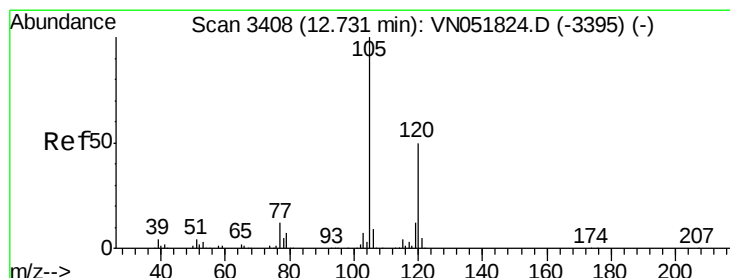
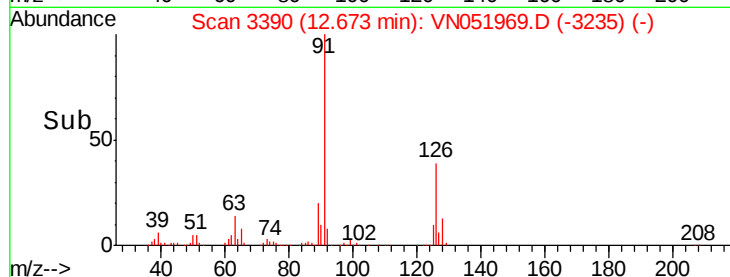
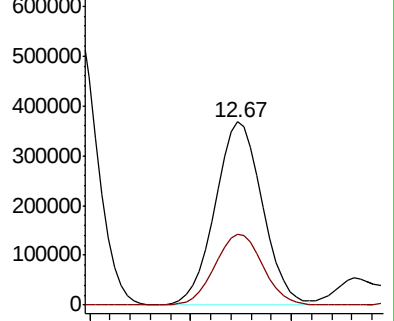
91 100

126 39.4 0.0 67.6



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

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



#76

1,3,5-Trimethylbenzene

Concen: 19.628 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051969.D

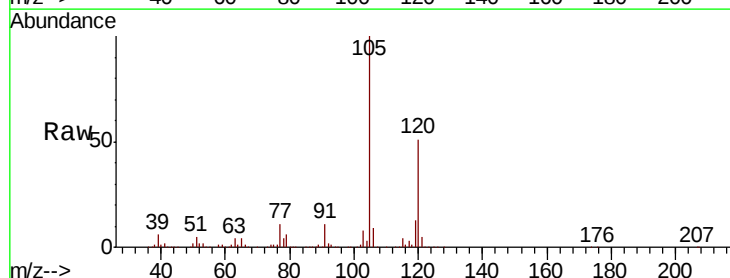
Acq: 23 Oct 2018 18:12

Tgt Ion:105 Resp: 776408

Ion Ratio Lower Upper

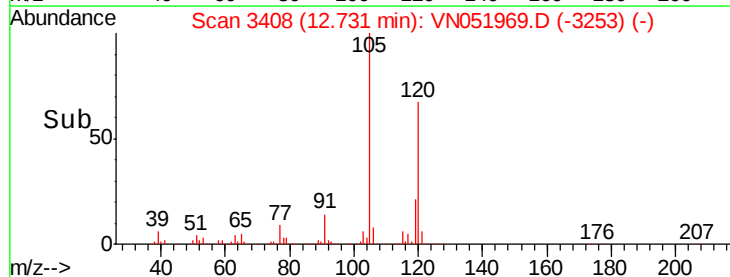
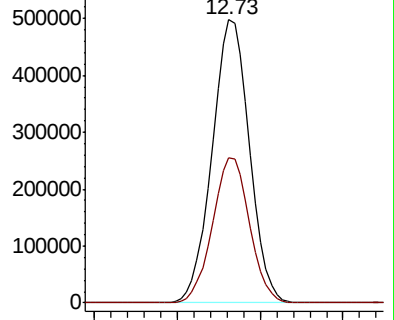
105 100

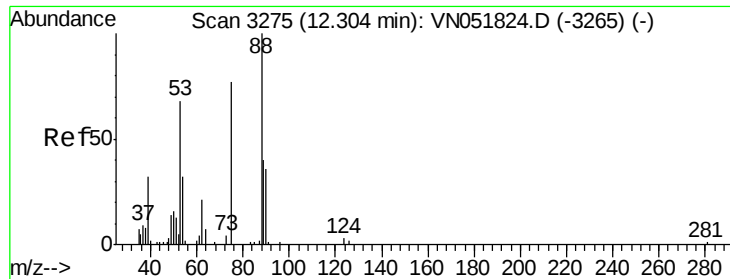
120 51.0 0.0 98.2



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

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





#77

t-1,4-Dichloro-2-butene

Concen: 14.599 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

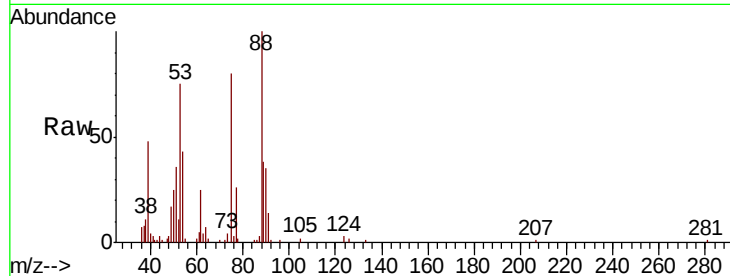
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 35882

Ion	Ratio	Lower	Upper
75	100		
53	94.4	46.3	138.9
89	48.7	24.6	73.8

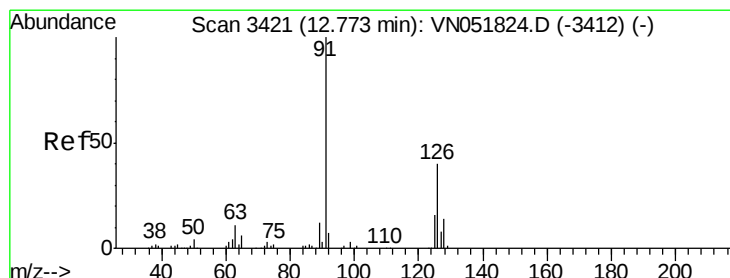
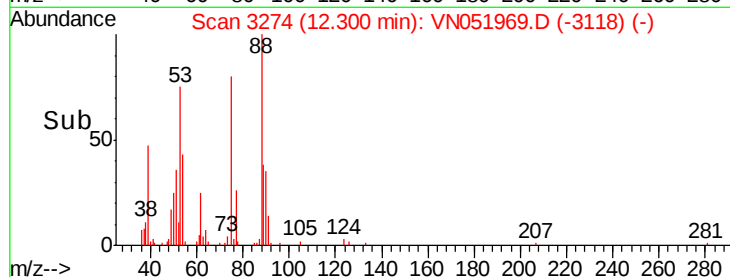
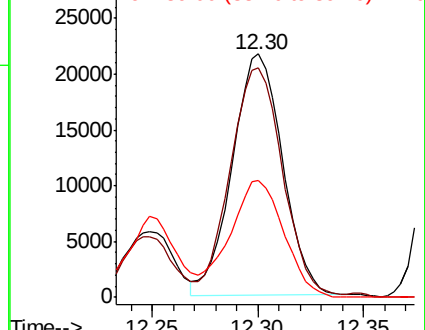


Abundance

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: 20.784 ug/l

RT: 12.77 min Scan# 3421

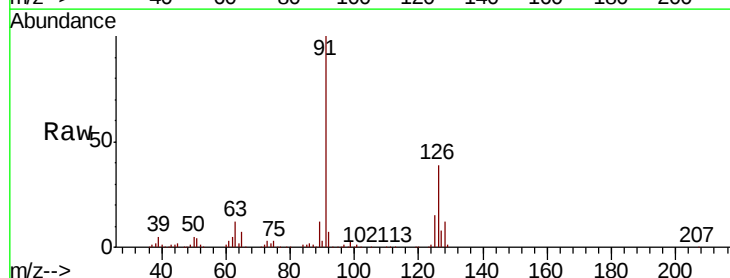
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion: 91 Resp: 615982

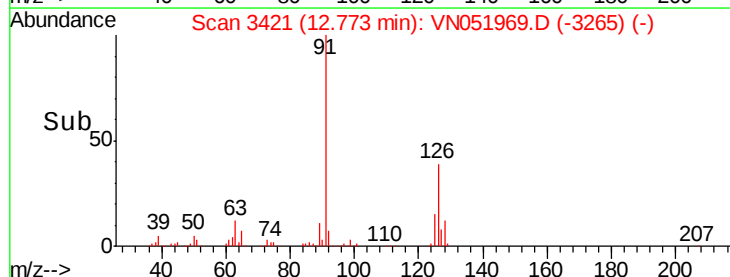
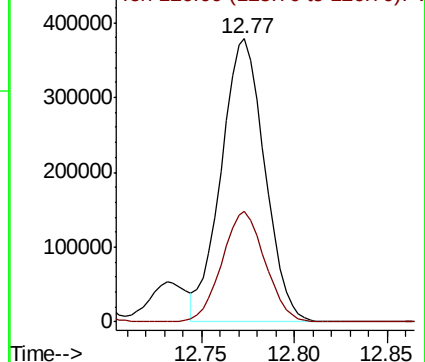
Ion	Ratio	Lower	Upper
91	100		
126	38.6	0.0	65.2

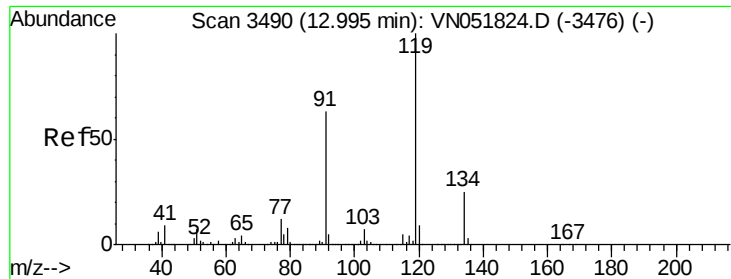


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

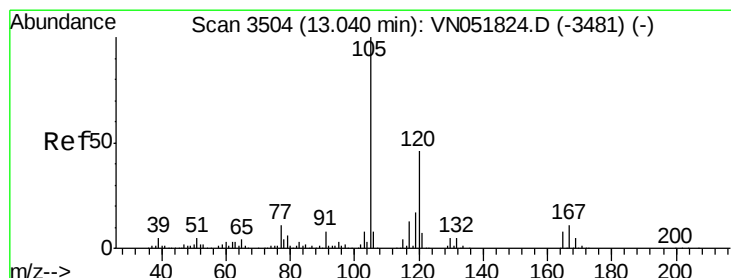
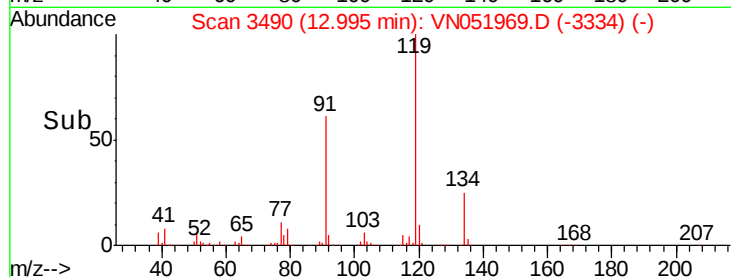
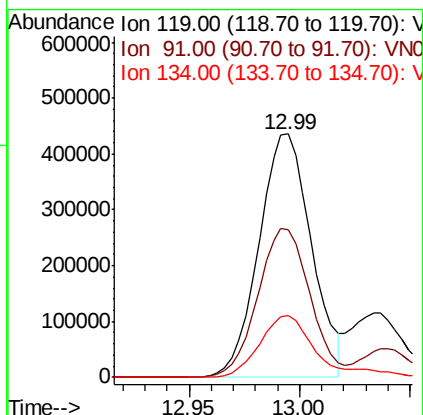
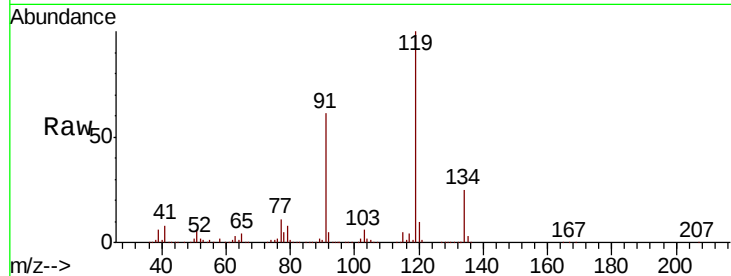




#79
tert-butylbenzene
Concen: 19.749 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

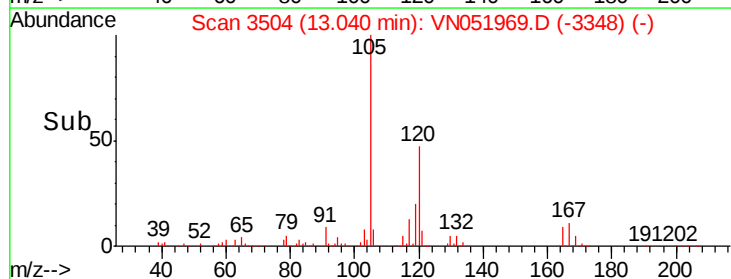
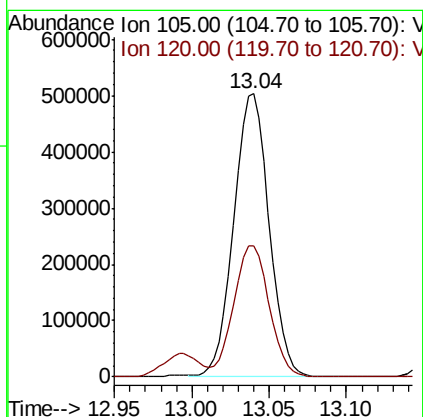
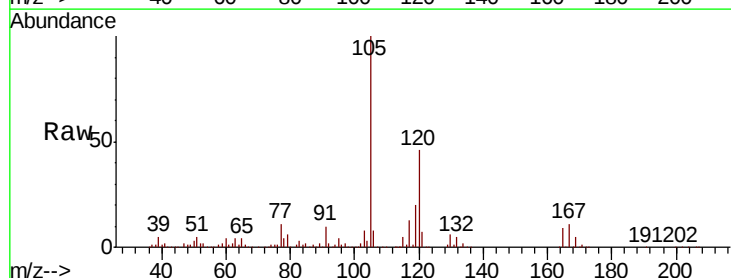
Instrument :
MSVOA_N
ClientSampled :

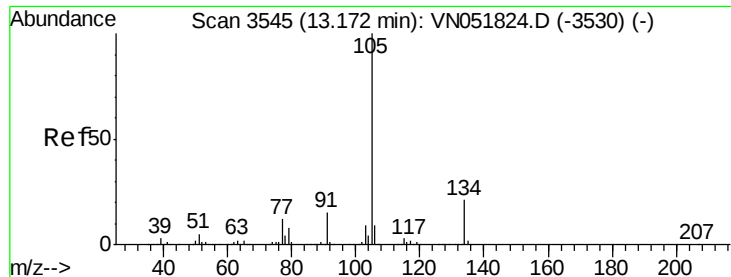
Tot Ion:119 Resp: 718403
Ion Ratio Lower Upper
119 100
91 60.8 0.0 131.6
134 25.4 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.155 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion:105 Resp: 796801
Ion Ratio Lower Upper
105 100
120 46.7 0.0 89.6

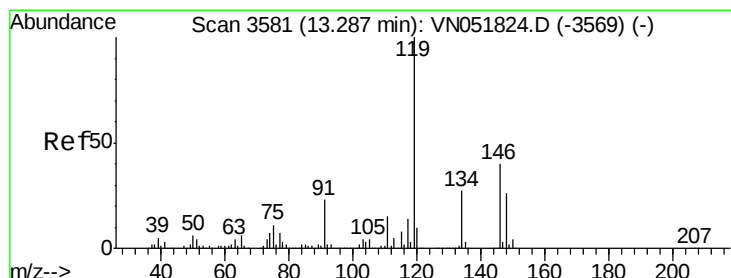
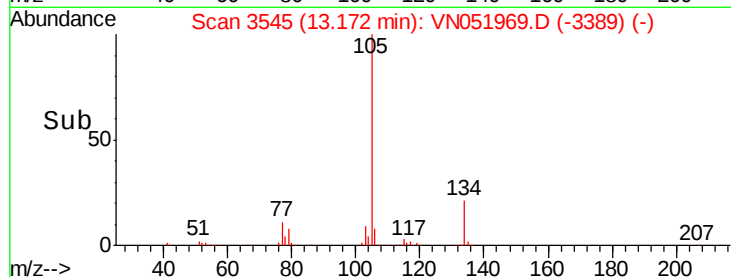
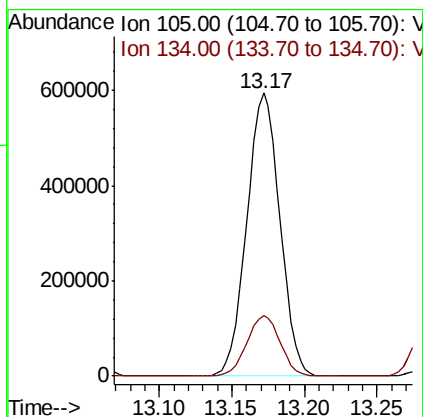
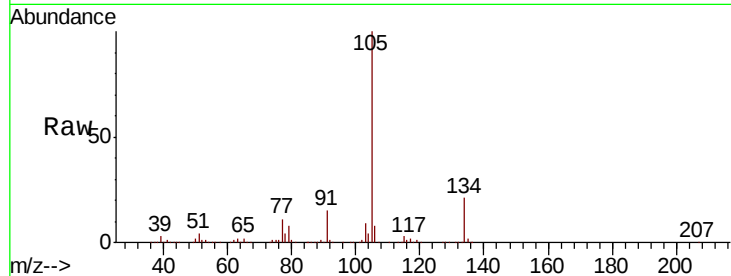




#81
 sec-Butylbenzene
 Concen: 19.830 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

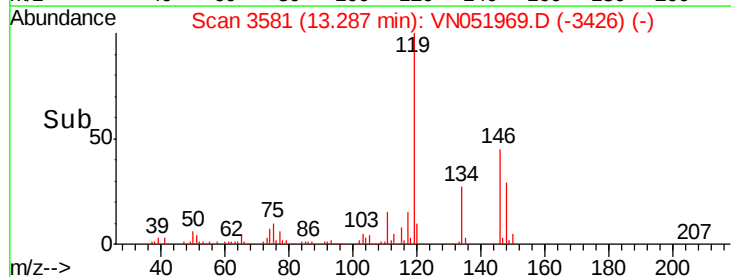
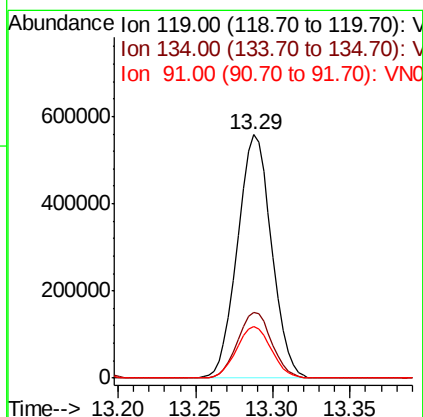
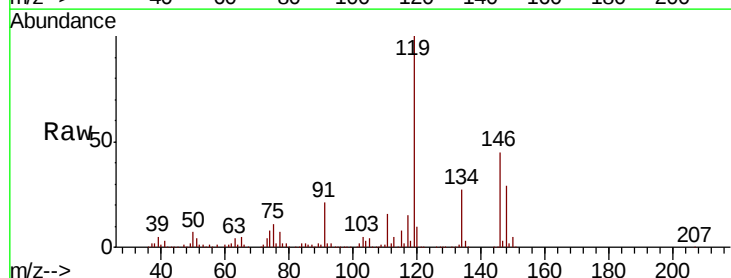
Instrument :
 MSVOA_N
 ClientSampleId :

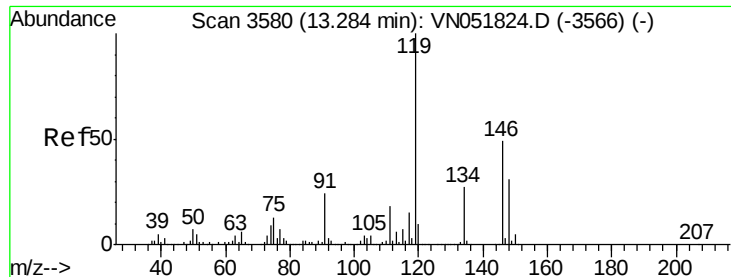
Tot Ion:105 Resp: 943681
 Ion Ratio Lower Upper
 105 100
 134 21.4 0.0 39.4



#82
 p-Isopropyltoluene
 Concen: 20.042 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion:119 Resp: 853465
 Ion Ratio Lower Upper
 119 100
 134 27.1 0.0 53.6
 91 21.7 0.0 52.0

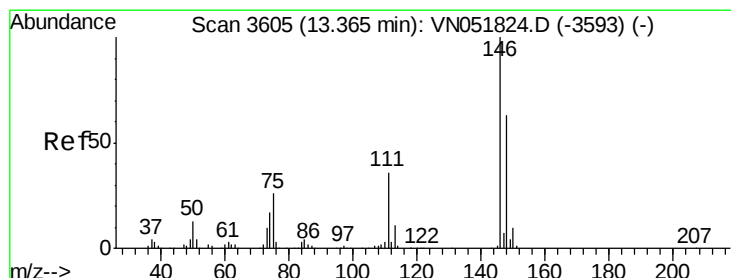
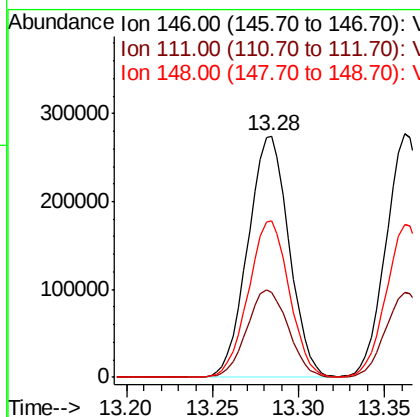
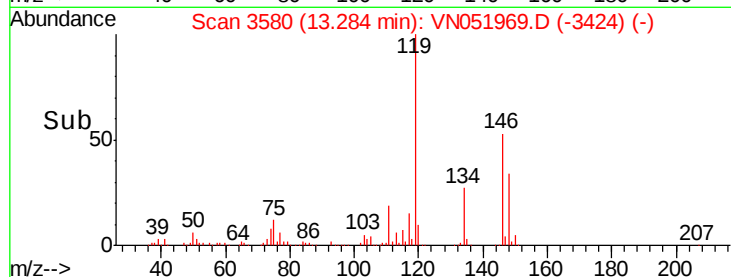
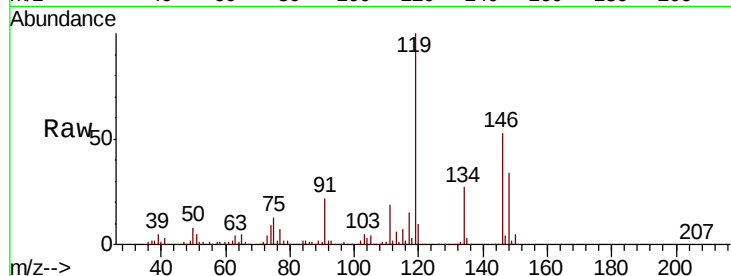




#83
 1,3-Dichlorobenzene
 Concen: 21.768 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

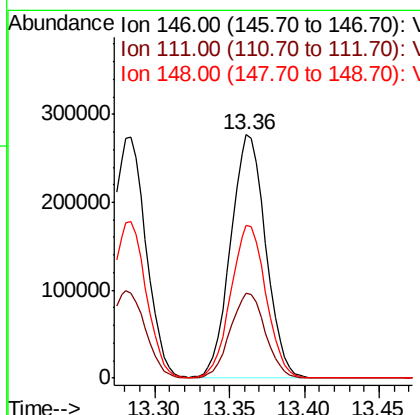
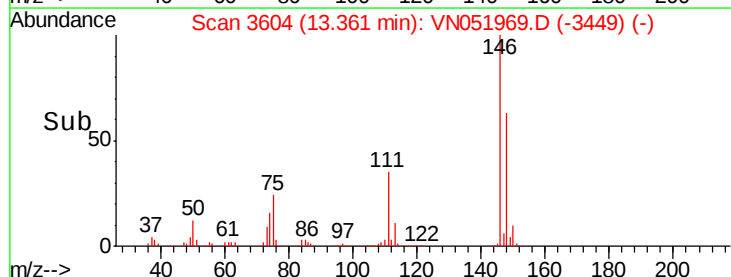
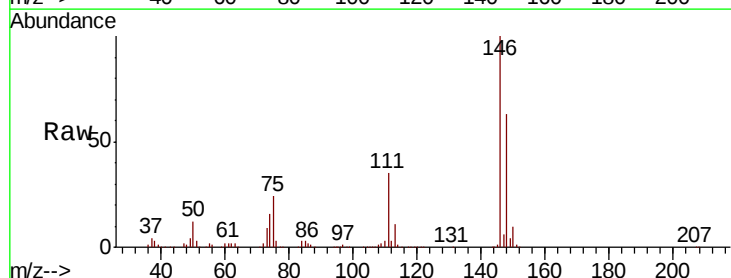
Instrument :
 MSVOA_N
 ClientSampleId :

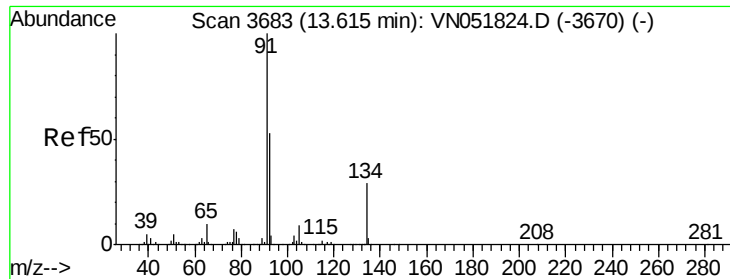
Tot Ion:146 Resp: 455103
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.1 54.3
 148 64.4 31.3 93.8



#84
 1,4-Dichlorobenzene
 Concen: 22.976 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion:146 Resp: 452220
 Ion Ratio Lower Upper
 146 100
 111 34.8 17.4 52.2
 148 63.0 32.8 98.3

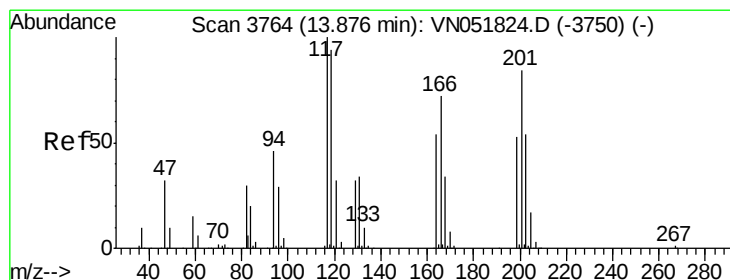
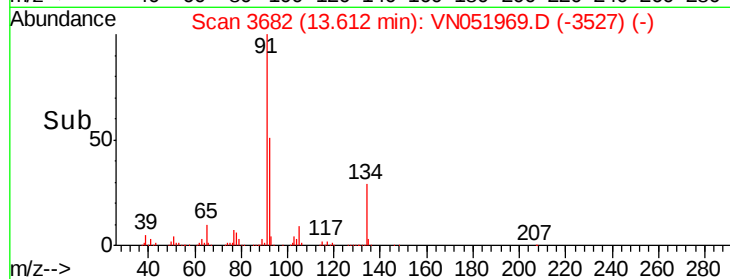
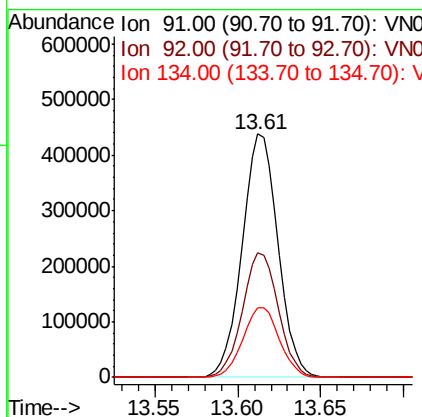
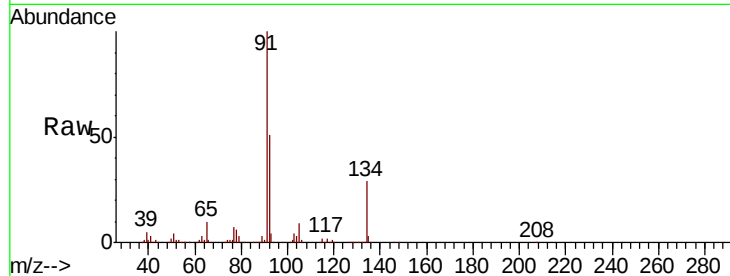




#85
n-Butylbenzene
Concen: 20.420 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

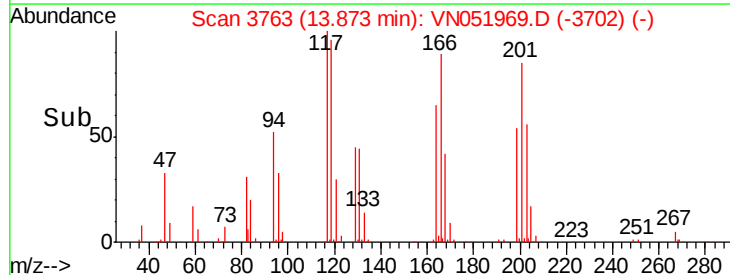
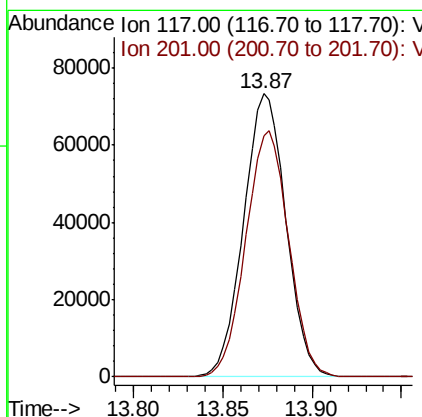
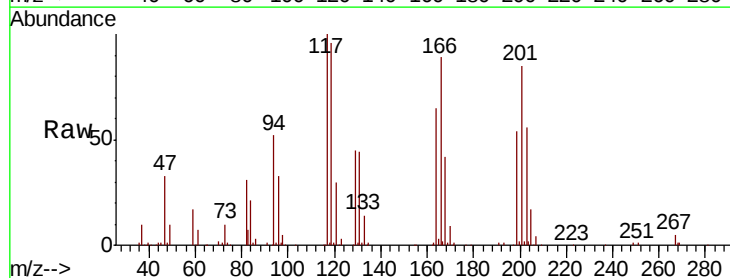
Instrument :
MSVOA_N
ClientSampled :

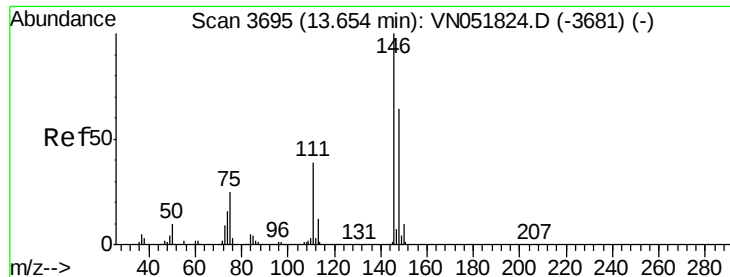
Tot Ion: 91 Resp: 655716
Ion Ratio Lower Upper
91 100
92 51.4 0.0 97.4
134 29.3 0.0 49.6



#86
Hexachloroethane
Concen: 16.617 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051969.D
Acq: 23 Oct 2018 18:12

Tgt Ion: 117 Resp: 122007
Ion Ratio Lower Upper
117 100
201 88.0 47.8 143.3

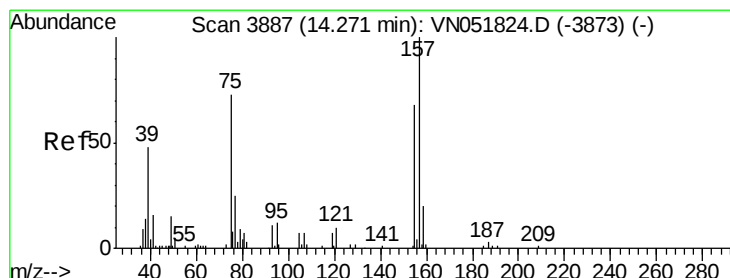
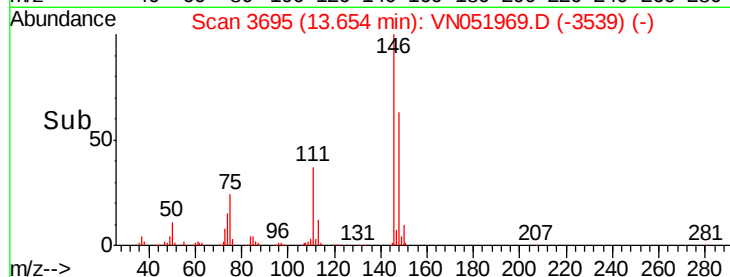
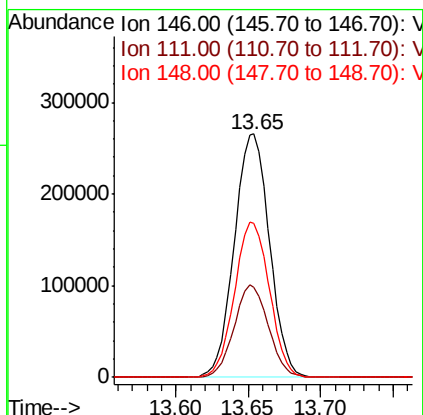
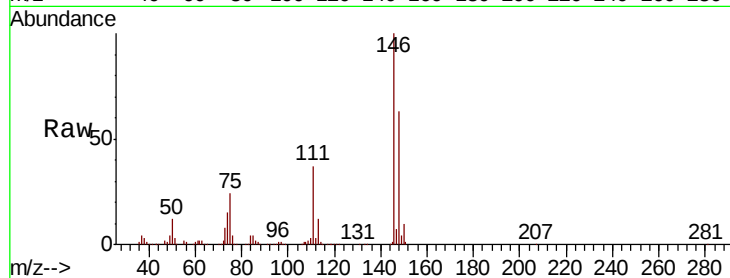




#87
 1,2-Dichlorobenzene
 Concen: 22.129 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

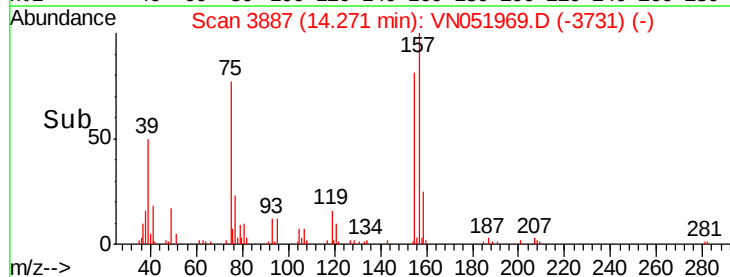
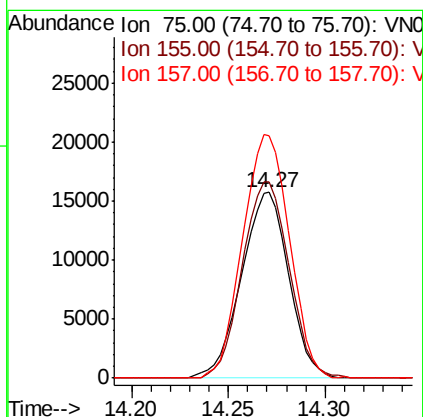
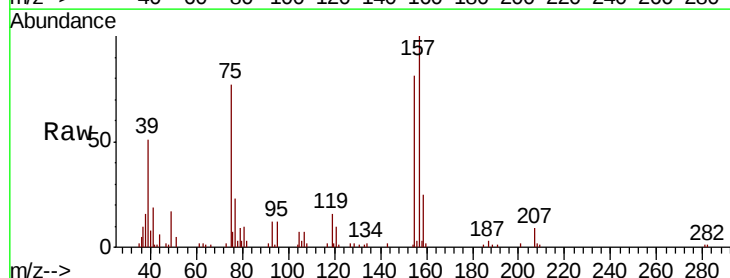
Instrument :
 MSVOA_N
 ClientSampleId :

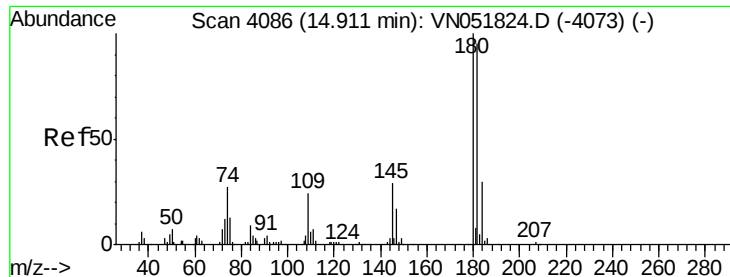
Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	20.8	62.2
148	63.3	33.2	99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.969 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.0	57.0	85.6#
157	129.9	87.4	131.0

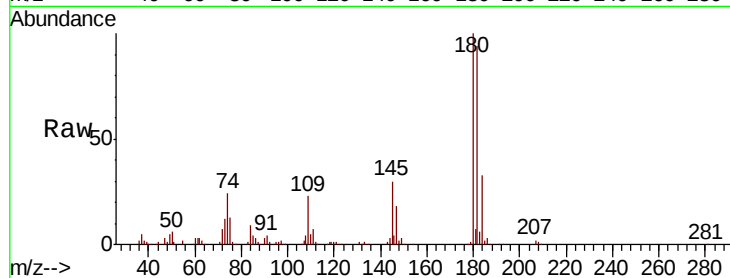




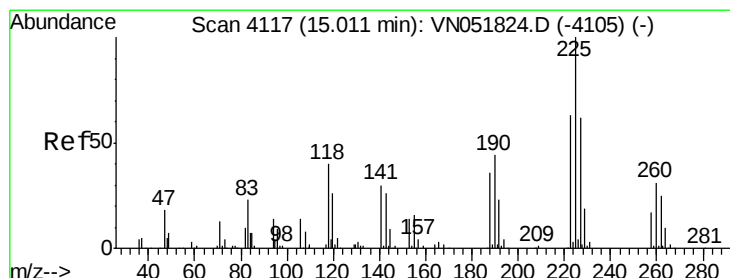
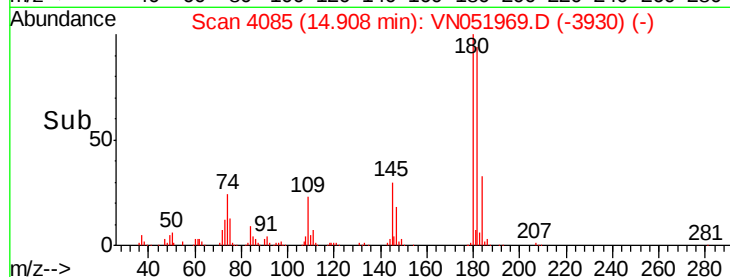
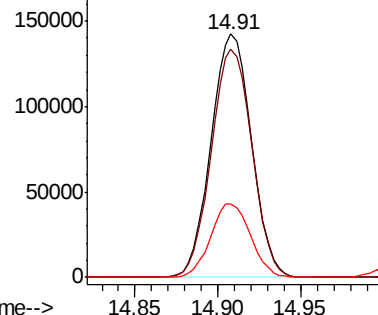
#89
 1,2,4-Trichlorobenzene
 Concen: 25.805 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	77.7	116.5
145	29.9	23.4	35.2

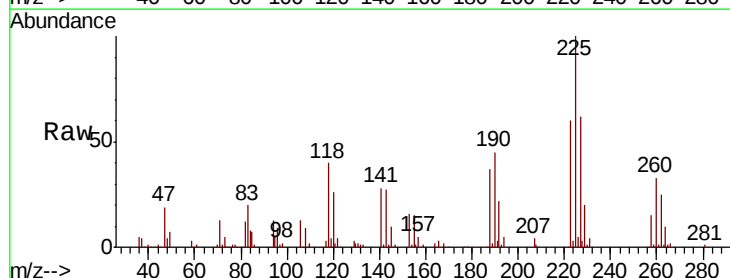


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

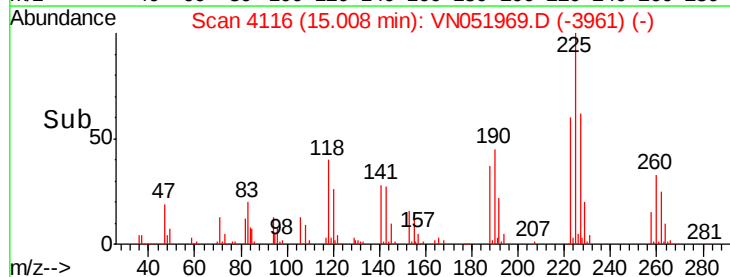
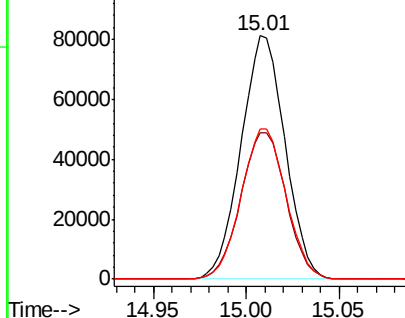


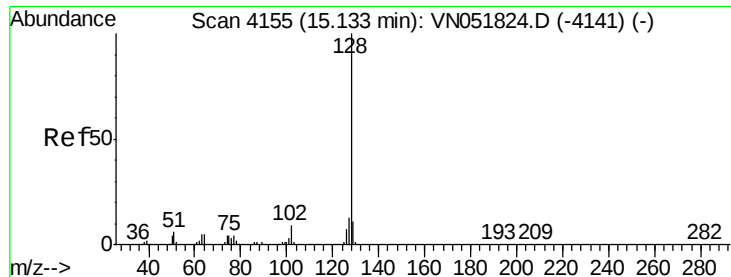
#90
 Hexachlorobutadiene
 Concen: 20.611 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051969.D
 Acq: 23 Oct 2018 18:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	0.0	117.0
227	63.0	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: 27.313 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

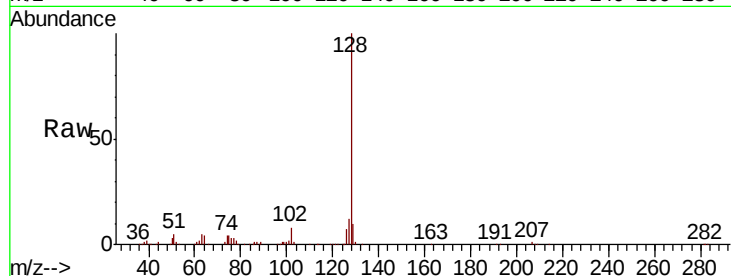
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 519913

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.6	8.4	12.6

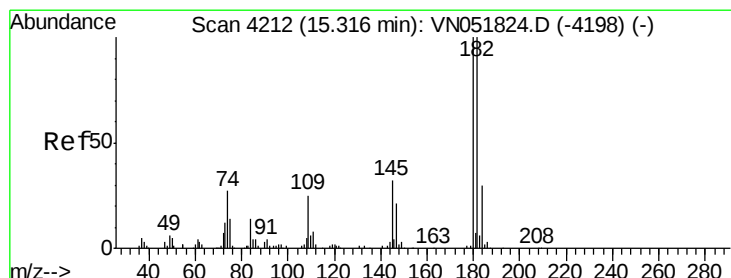
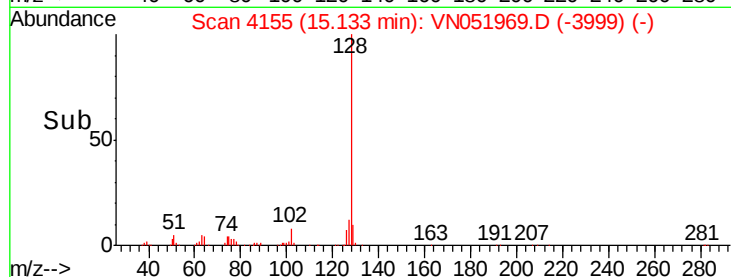
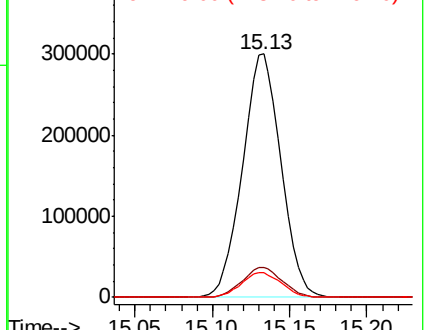


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 24.857 ug/l

RT: 15.31 min Scan# 4211

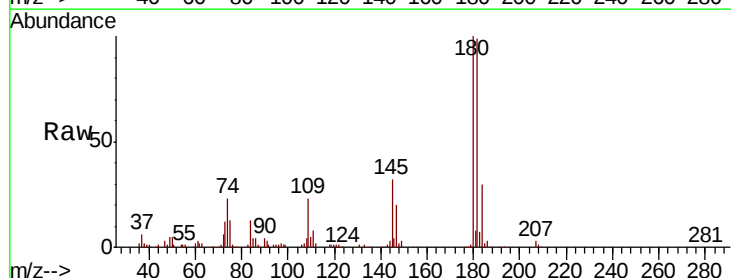
Delta R.T. 0.00 min

Lab File: VN051969.D

Acq: 23 Oct 2018 18:12

Tgt Ion:180 Resp: 228906

Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	198.0
145	30.8	0.0	36.8



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

