

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
 Data File : VN050981.D
 Acq On : 31 Aug 2018 12:22
 Operator : MD\SY
 Sample : VN0831WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Quant Time: Aug 31 14:16:20 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	562274	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	807795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	728722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341355	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	339448	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.59	113	327156	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
50) Toluene-d8	10.09	98	1215925	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	383339	48.01	ug/l	0.00
Spiked Amount			Recovery	=	96.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	146690	19.49	ug/l	98
3) Chloromethane	2.06	50	167598	18.06	ug/l	97
4) Vinyl Chloride	2.18	62	163933	18.65	ug/l	100
5) Bromomethane	2.56	94	96028	18.55	ug/l	98
6) Chloroethane	2.70	64	95898	18.88	ug/l	99
7) Trichlorofluoromethane	3.01	101	223453	19.85	ug/l	100
8) Diethyl Ether	3.41	74	73961	19.32	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	139417	19.82	ug/l	99
10) Methyl Iodide	3.95	142	105848	21.31	ug/l	100
11) Tert butyl alcohol	4.79	59	42728	99.13	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	123880	19.62	ug/l	94
13) Acrolein	3.61	56	11741	61.22	ug/l	93
14) Allyl chloride	4.33	41	185429	18.84	ug/l	99
15) Acrylonitrile	4.99	53	216313	98.75	ug/l	100
16) Acetone	3.82	43	158133	94.25	ug/l	100
17) Carbon Disulfide	4.05	76	354196	16.73	ug/l	99
18) Methyl Acetate	4.33	43	144377	22.59	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	320601	20.18	ug/l	98
20) Methylene Chloride	4.55	84	147153	19.29	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	129035	18.89	ug/l	98
22) Diisopropyl ether	5.96	45	405206	20.66	ug/l	98
23) Vinyl Acetate	5.90	43	1186342	93.93	ug/l	99
24) 1,1-Dichloroethane	5.85	63	250588	19.90	ug/l	99
25) 2-Butanone	6.84	43	230010	84.32	ug/l	97
26) 2,2-Dichloropropane	6.83	77	191079	18.89	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	147095	19.98	ug/l	99
28) Bromochloromethane	7.20	49	106116	19.84	ug/l	96
29) Tetrahydrofuran	7.22	42	153710	98.28	ug/l	98
30) Chloroform	7.37	83	253417	20.33	ug/l	98
31) Cyclohexane	7.66	56	209251	18.58	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	211143	19.72	ug/l	98
36) 1,1-Dichloropropene	7.80	75	181871	19.08	ug/l	99
37) Ethyl Acetate	6.93	43	105510	19.27	ug/l	97
38) Carbon Tetrachloride	7.78	117	189031	19.62	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	188745	18.30	ug/l	97
40) Benzene	8.04	78	574779	20.00	ug/l	99
41) Methacrylonitrile	7.18	41	50724	17.12	ug/l	90
42) 1,2-Dichloroethane	8.13	62	171103	19.91	ug/l	99
43) Isopropyl Acetate	8.17	43	191663	20.36	ug/l	97
44) Trichloroethene	8.84	130	148377	19.57	ug/l	100
45) 1,2-Dichloropropane	9.12	63	149963	19.85	ug/l	100
46) Dibromomethane	9.21	93	87186	19.64	ug/l	97
47) Bromodichloromethane	9.40	83	188863	20.31	ug/l	97
48) Methyl methacrylate	9.20	41	94435	19.68	ug/l	99
49) 1,4-Dioxane	9.20	88	25165	384.73	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	527898	93.96	ug/l	99
52) Toluene	10.16	92	346851	20.37	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	176186	19.04	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	212847	20.09	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	126301	19.98	ug/l	98
56) Ethyl methacrylate	10.43	69	141649	18.77	ug/l	99
57) 1,3-Dichloropropane	10.71	76	209525	20.09	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	290855	89.33	ug/l	100
59) 2-Hexanone	10.75	43	329400	88.07	ug/l	99
60) Dibromochloromethane	10.90	129	144619	20.44	ug/l	99
61) 1,2-Dibromoethane	11.01	107	120122	19.66	ug/l	98
64) Tetrachloroethene	10.63	164	137688	19.89	ug/l	98
65) Chlorobenzene	11.44	112	377405	19.81	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	142741	20.48	ug/l	98
67) Ethyl Benzene	11.51	91	612238	19.77	ug/l	100
68) m/p-Xylenes	11.62	106	484715	41.24	ug/l	100
69) o-Xylene	11.95	106	231713	20.51	ug/l	99
70) Styrene	11.96	104	361344	18.95	ug/l	99
71) Bromoform	12.13	173	96879	20.21	ug/l #	99
73) Isopropylbenzene	12.25	105	612456	21.67	ug/l	100
74) N-amyl acetate	12.07	43	135670	19.10	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	155394	22.15	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175986	29.43	ug/l #	100
77) Bromobenzene	12.53	156	161231	20.99	ug/l	97
78) n-propylbenzene	12.59	91	672582	21.30	ug/l	99
79) 2-Chlorotoluene	12.67	91	418822	21.29	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	497854	21.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	33498	18.94	ug/l	95
82) 4-Chlorotoluene	12.77	91	404698	20.84	ug/l	99
83) tert-Butylbenzene	12.99	119	427680	21.65	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	508913	22.18	ug/l	100
85) sec-Butylbenzene	13.17	105	562705	21.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	476757	21.62	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	265111	20.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	254598	19.84	ug/l	100
89) n-Butylbenzene	13.62	91	345351	19.58	ug/l	99
90) Hexachloroethane	13.87	117	91736	21.93	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	259095	20.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20075	19.78	ug/l	100

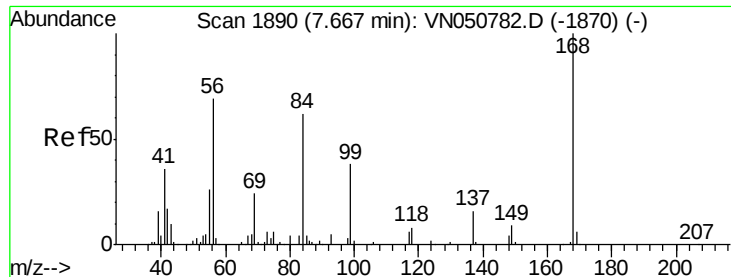
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083118\
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Instrument :
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VN0831WBSD01

Quant Time: Aug 31 14:16:20 2018
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	95342	17.47	ug/l	98
94) Hexachlorobutadiene	15.01	225	82730	21.55	ug/l	99
95) Naphthalene	15.13	128	170431	16.55	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	99890	18.51	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

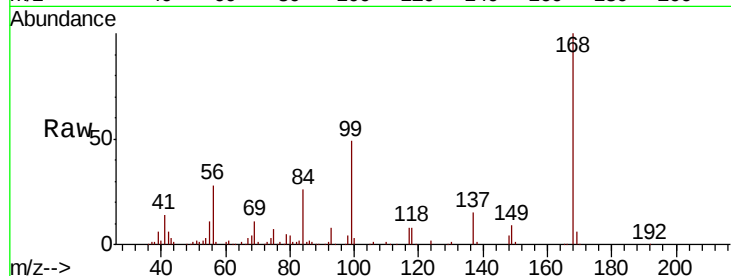
VN0831WBSD01

Tot Ion:168 Resp: 562274

Ion Ratio Lower Upper

168 100

99 49.0 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

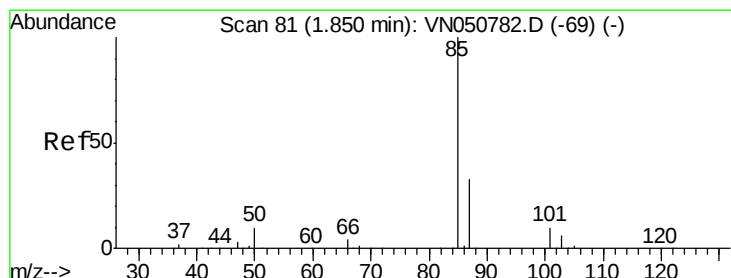
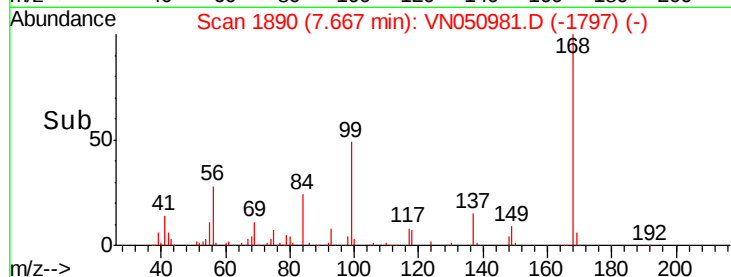
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.49 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050981.D

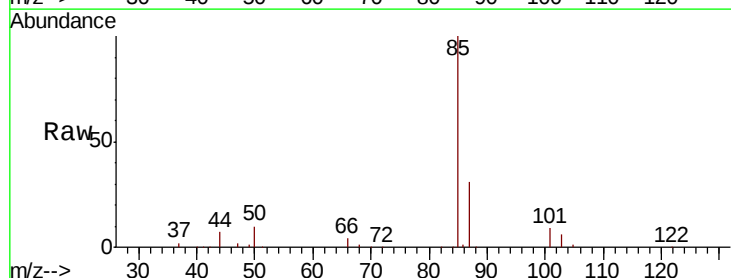
Acq: 31 Aug 2018 12:22

Tgt Ion: 85 Resp: 146690

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

120000

100000

80000

60000

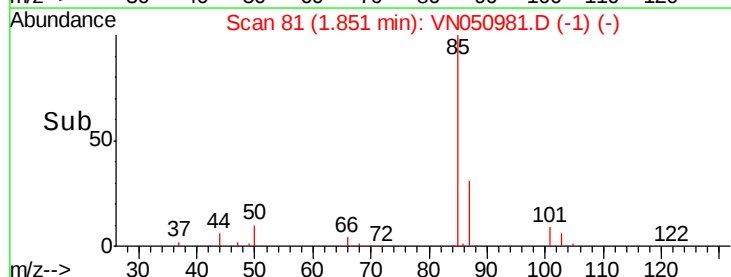
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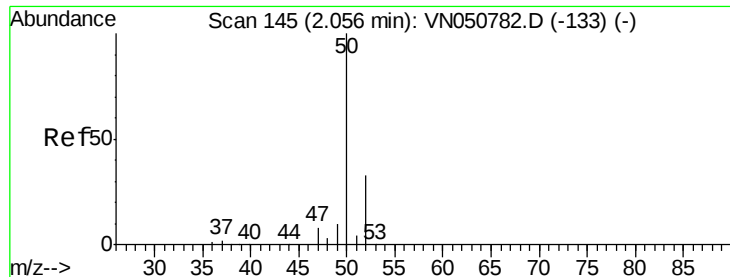
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.06 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

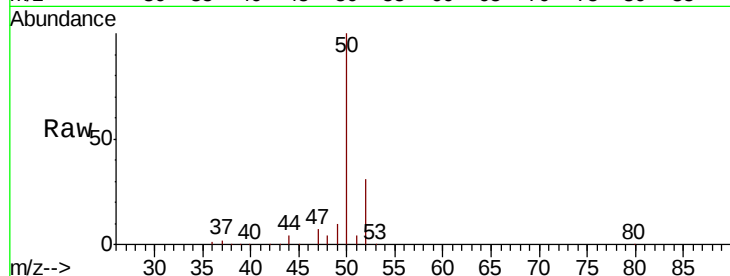
VN0831WBSD01

Tot Ion: 50 Resp: 167598

Ion Ratio Lower Upper

50 100

52 31.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

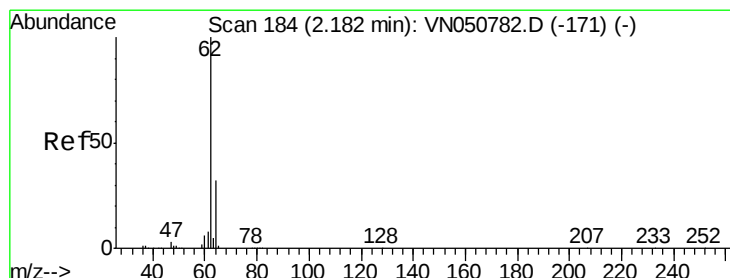
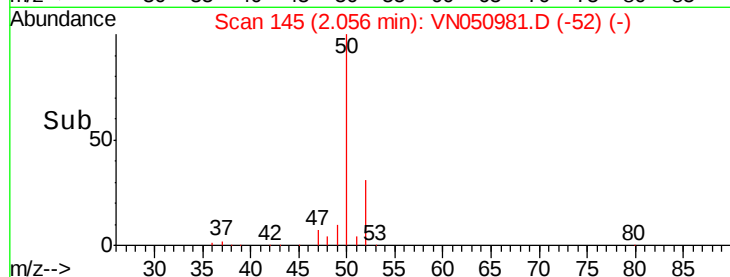
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.65 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050981.D

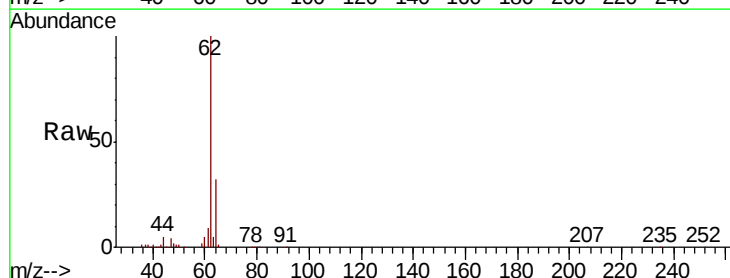
Acq: 31 Aug 2018 12:22

Tgt Ion: 62 Resp: 163933

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

120000

100000

80000

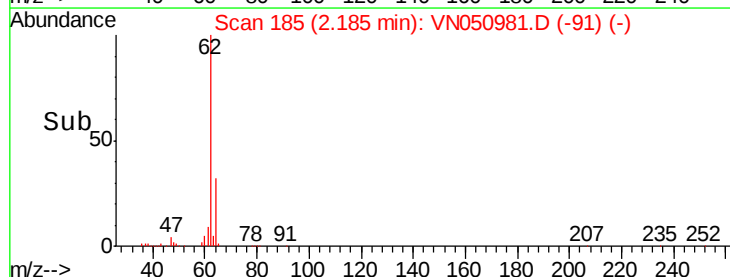
60000

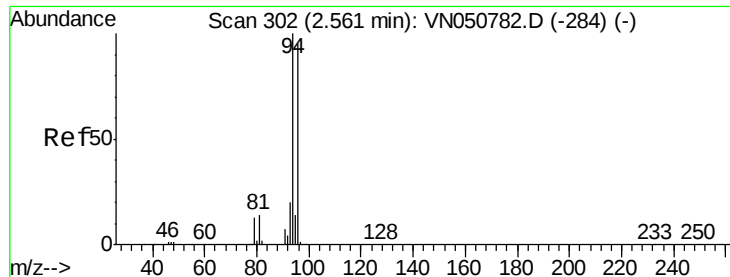
40000

20000

0

Time-->





#5

Bromomethane

Concen: 18.55 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

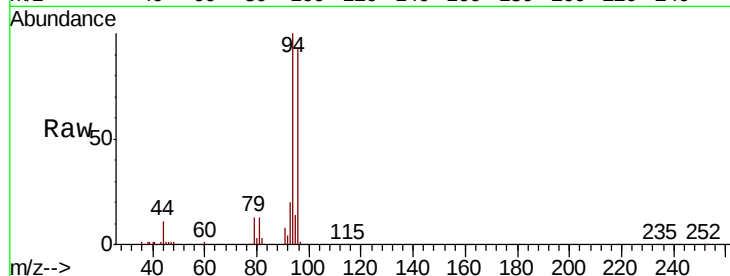
VN0831WBSD01

Tot Ion: 94 Resp: 96028

Ion Ratio Lower Upper

94 100

96 93.1 76.2 114.2

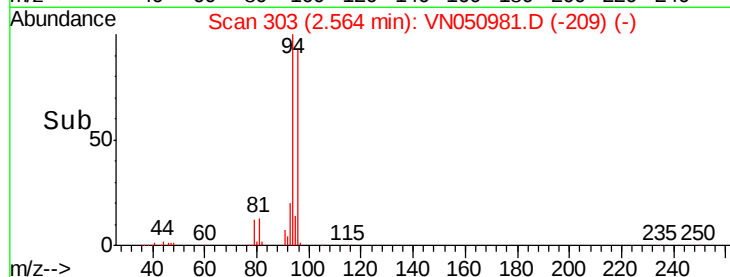


Abundance Ion 93.90 (93.60 to 94.60): VN050981.D (-284) (-)

Ion 95.90 (95.60 to 96.60): VN050981.D (-284) (-)

2.56

Time-->



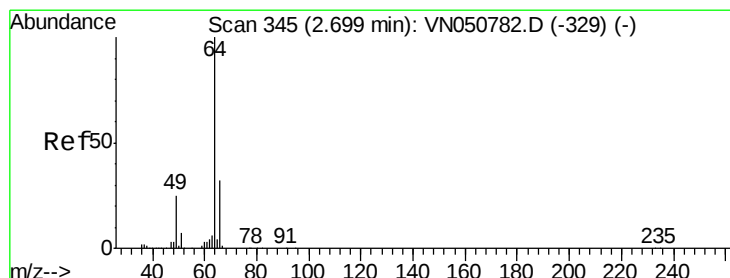
Abundance

Ion 93.90 (93.60 to 94.60): VN050981.D (-209) (-)

Ion 95.90 (95.60 to 96.60): VN050981.D (-209) (-)

2.56

Time-->



#6

Chloroethane

Concen: 18.88 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050981.D

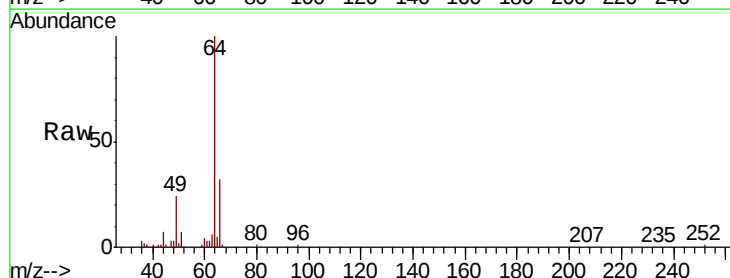
Acq: 31 Aug 2018 12:22

Tgt Ion: 64 Resp: 95898

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9

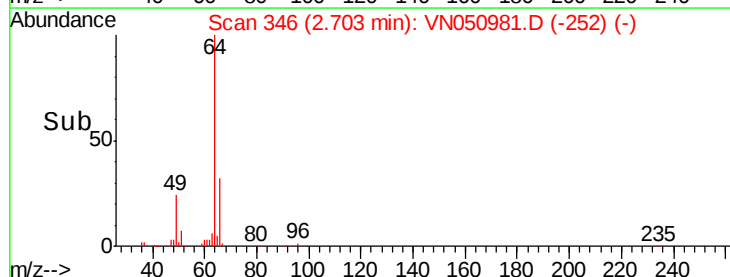


Abundance Ion 63.90 (63.60 to 64.60): VN050981.D (-329) (-)

Ion 65.90 (65.60 to 66.60): VN050981.D (-329) (-)

2.70

Time-->



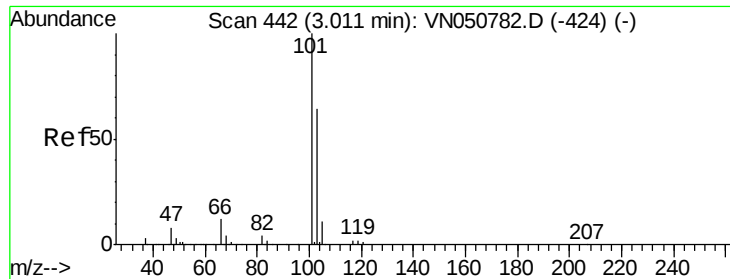
Abundance

Ion 63.90 (63.60 to 64.60): VN050981.D (-252) (-)

Ion 65.90 (65.60 to 66.60): VN050981.D (-252) (-)

2.70

Time-->



#7

Trichlorofluoromethane

Concen: 19.85 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

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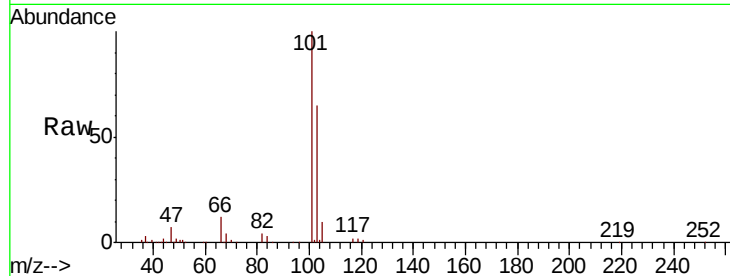
VN0831WBSD01

Tot Ion:101 Resp: 223453

Ion Ratio Lower Upper

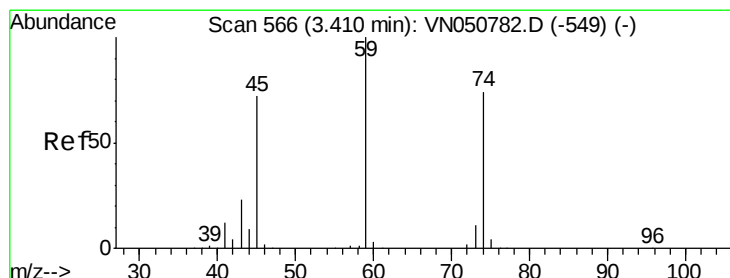
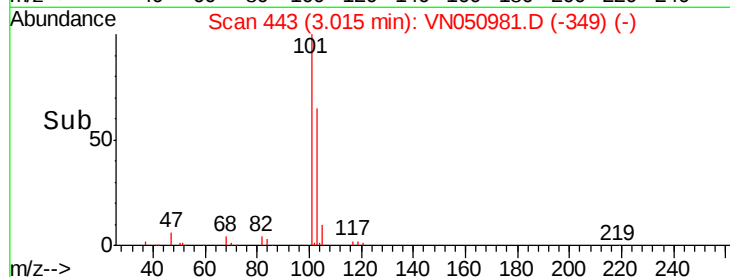
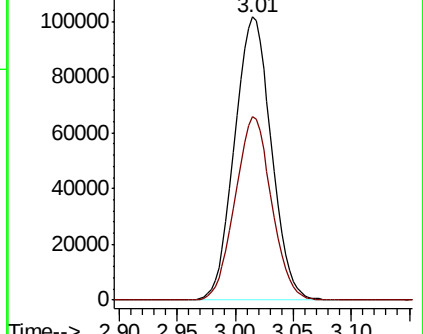
101 100

103 64.7 51.6 77.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.32 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050981.D

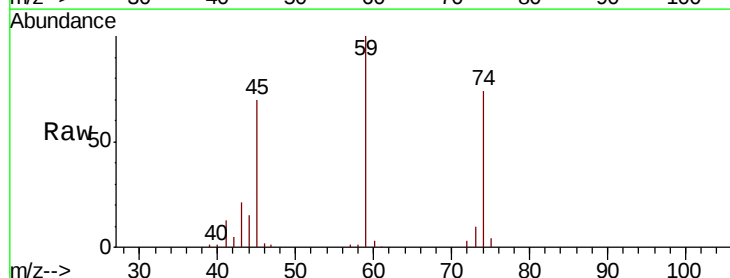
Acq: 31 Aug 2018 12:22

Tgt Ion: 74 Resp: 73961

Ion Ratio Lower Upper

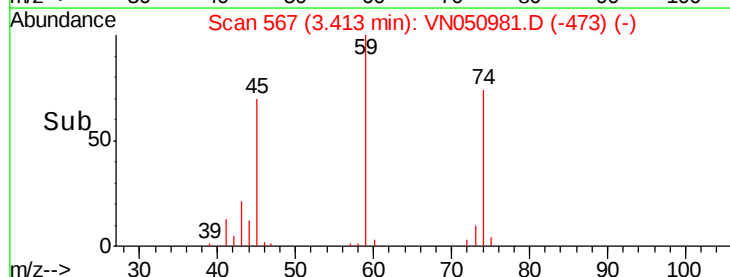
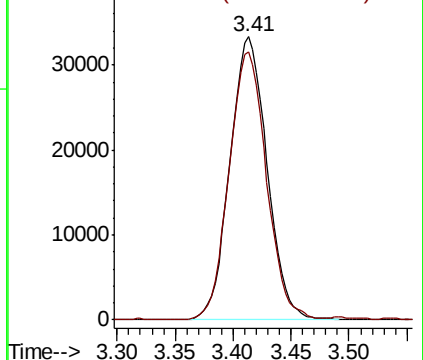
74 100

45 95.5 48.2 144.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.82 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

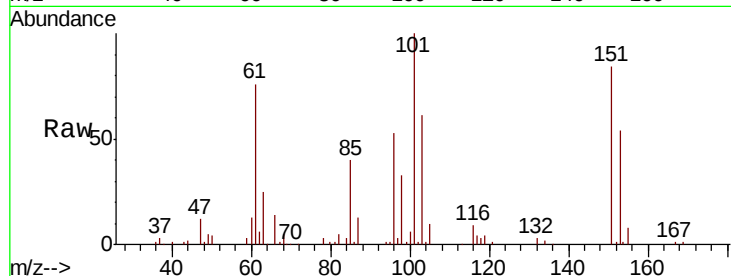
Tot Ion:101 Resp: 139417

Ion Ratio Lower Upper

101 100

85 40.4 33.7 50.5

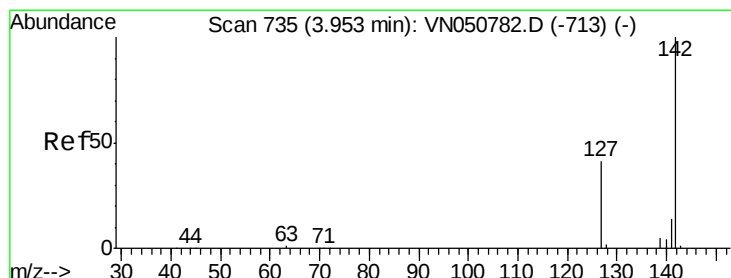
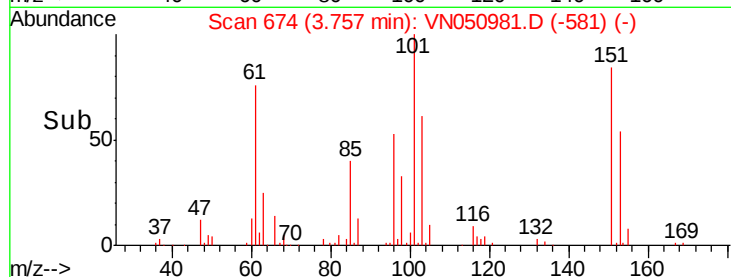
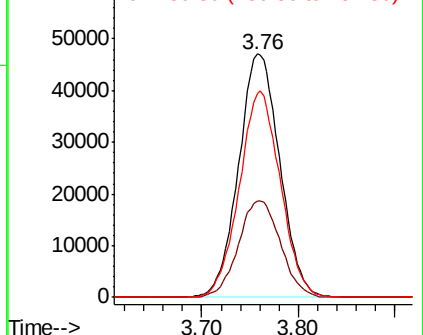
151 84.3 67.4 101.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.31 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

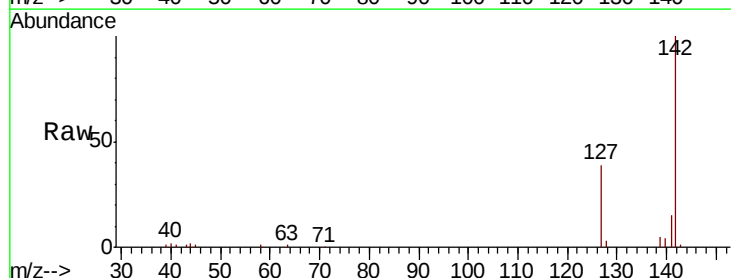
Tgt Ion:142 Resp: 105848

Ion Ratio Lower Upper

142 100

127 39.3 31.7 47.5

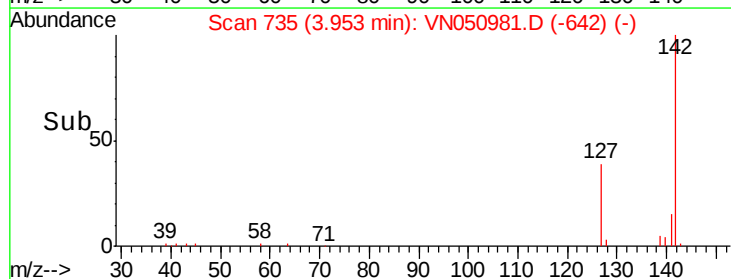
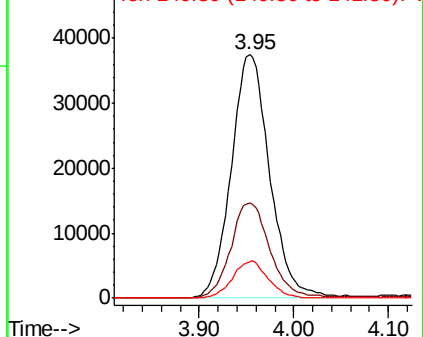
141 14.0 11.4 17.0

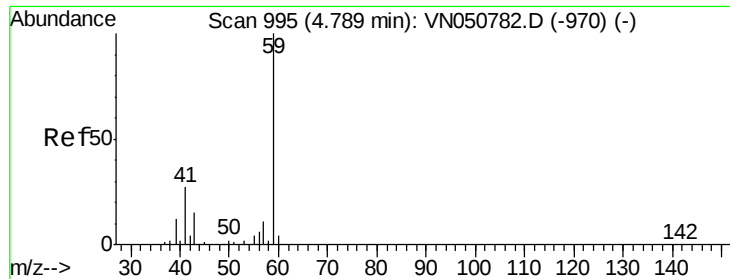


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

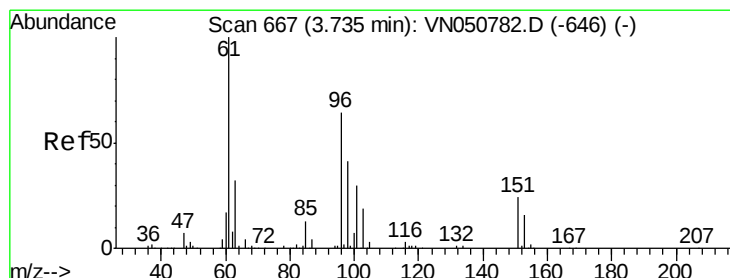
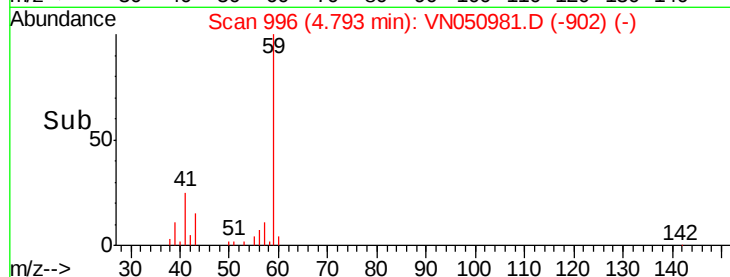
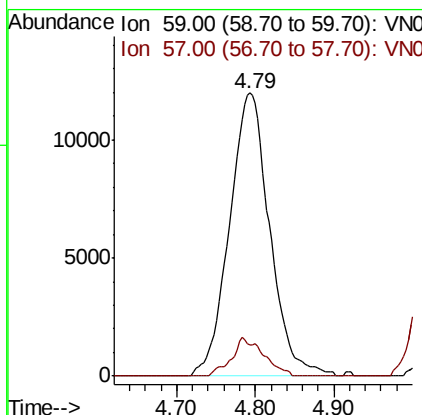
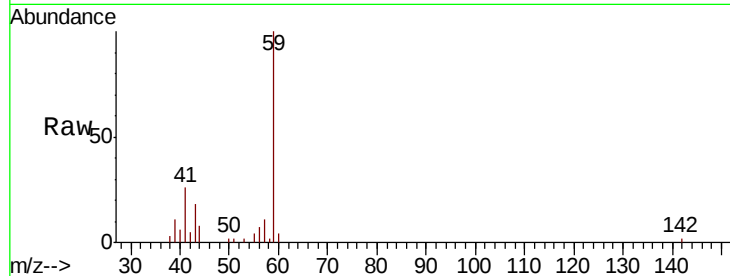




#11
Tert butyl alcohol
Concen: 99.13 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

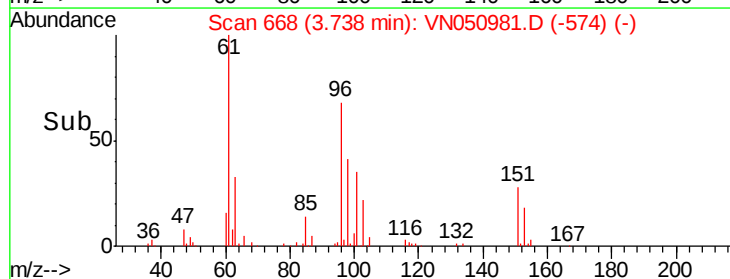
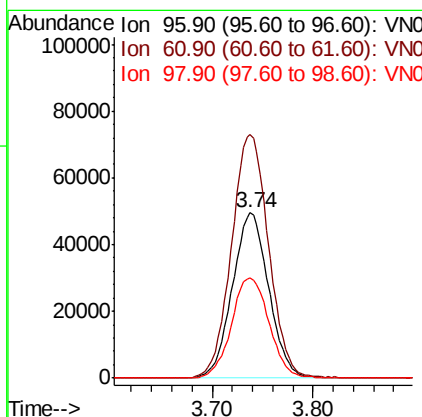
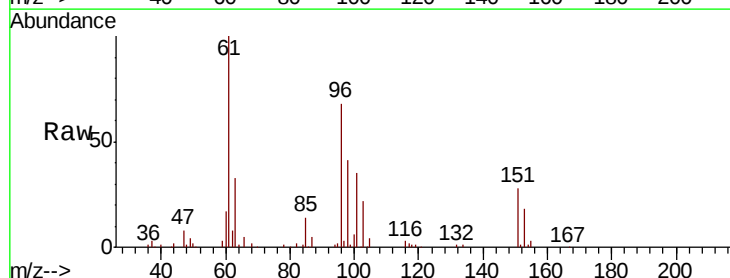
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

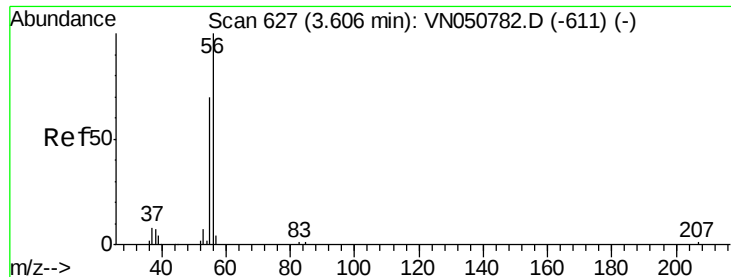
Tot Ion: 59 Resp: 42728
Ion Ratio Lower Upper
59 100
57 6.0 8.3 12.5#



#12
1,1-Dichloroethene
Concen: 19.62 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 96 Resp: 123880
Ion Ratio Lower Upper
96 100
61 147.4 124.9 187.3
98 60.5 51.1 76.7





#13

Acrolein

Concen: 61.22 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

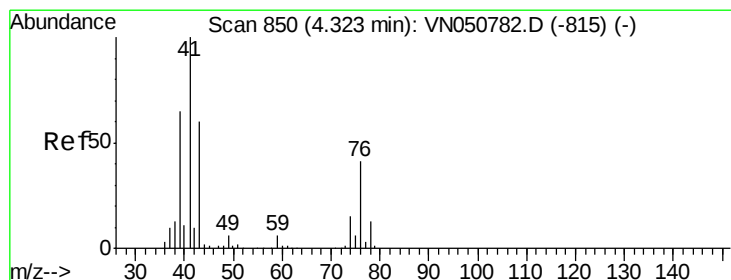
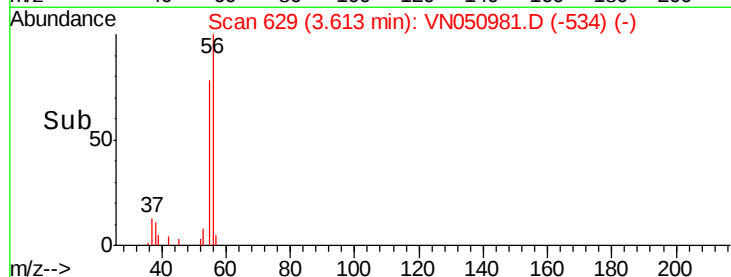
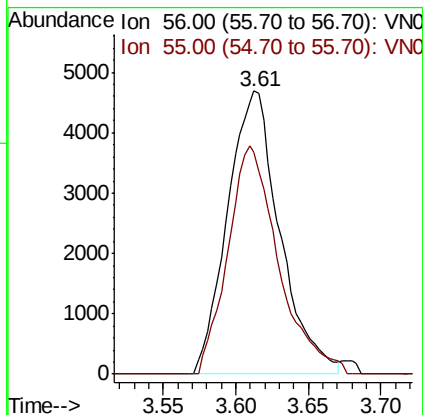
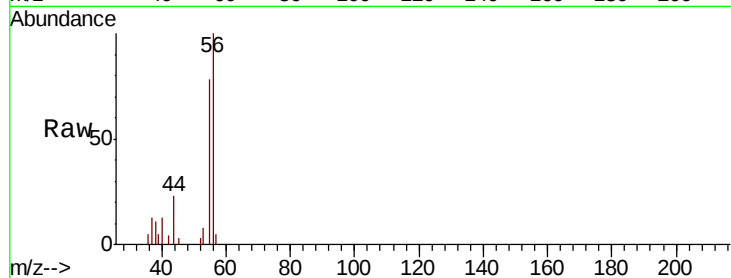
VN0831WBSD01

Tot Ion: 56 Resp: 11741

Ion Ratio Lower Upper

56 100

55 78.1 57.7 86.5



#14

Allyl chloride

Concen: 18.84 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

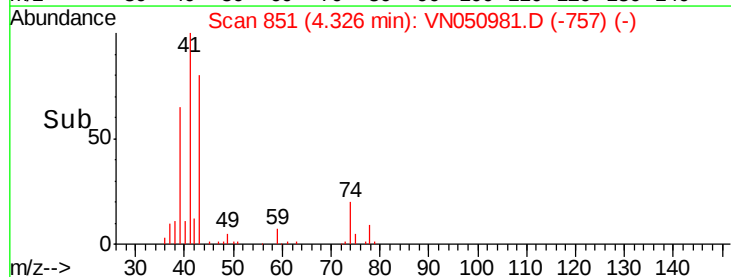
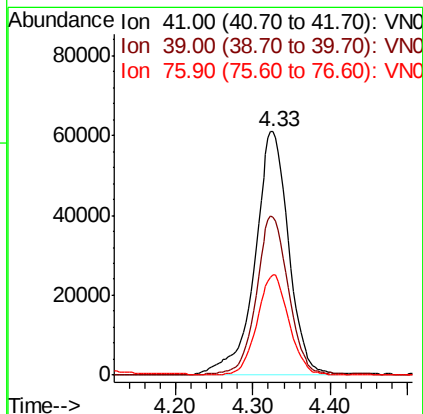
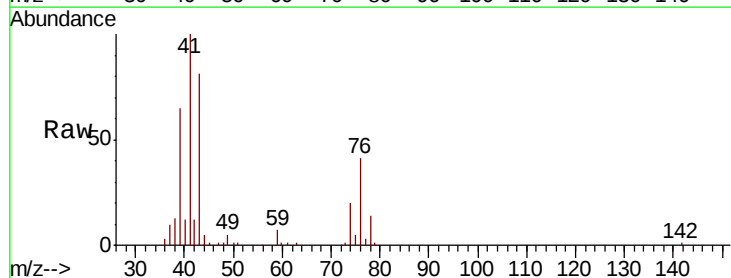
Tgt Ion: 41 Resp: 185429

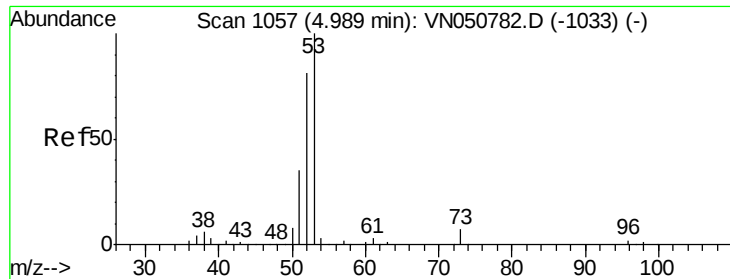
Ion Ratio Lower Upper

41 100

39 62.5 50.2 75.2

76 38.9 29.8 44.8



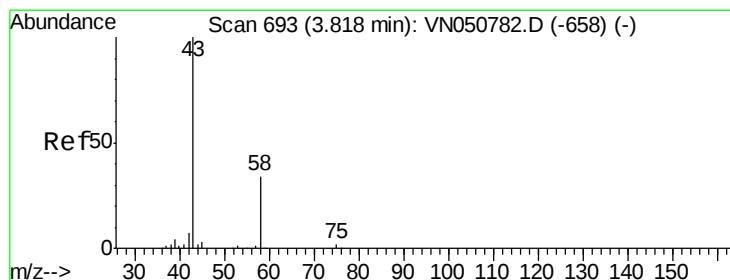
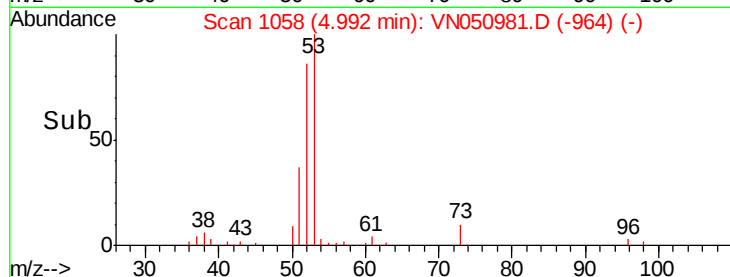
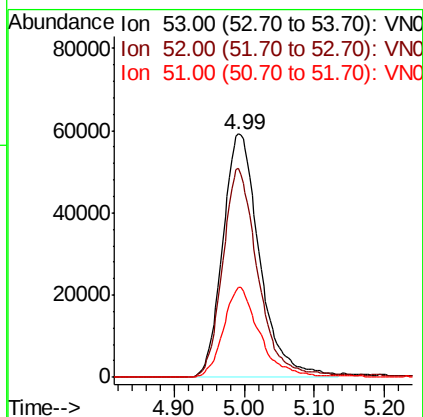
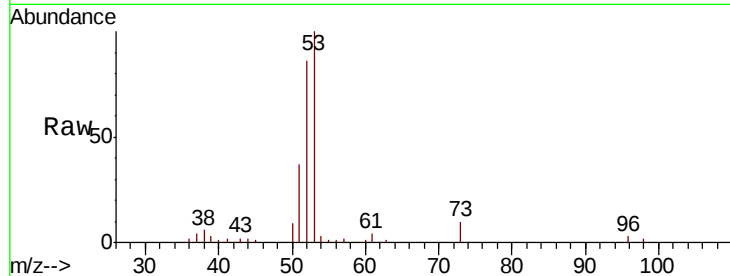


#15
 Acrylonitrile
 Concen: 98.75 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion: 53 Resp: 216313

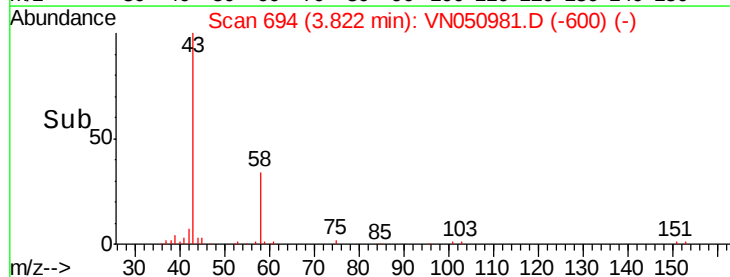
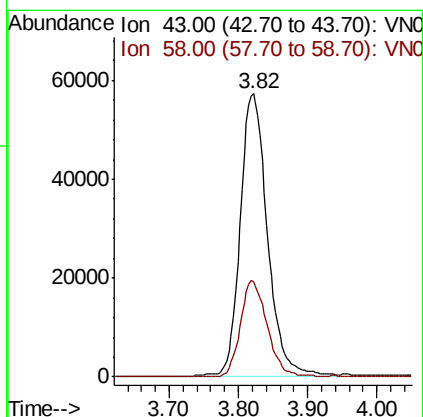
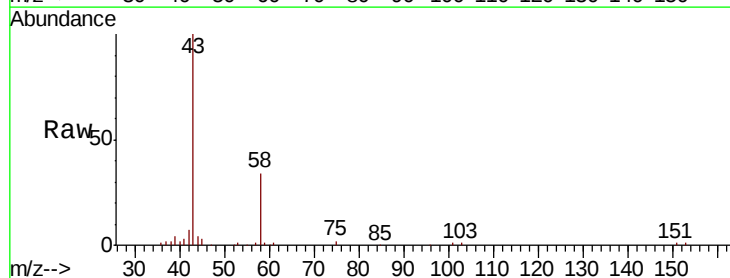
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	36.0	28.6	43.0

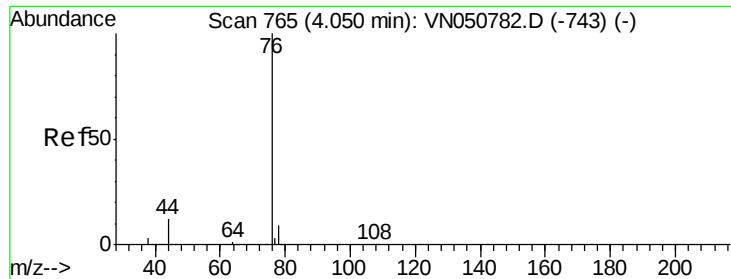


#16
 Acetone
 Concen: 94.25 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 43 Resp: 158133

Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.2	40.8

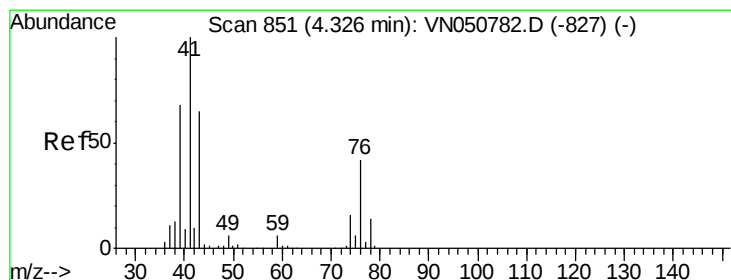
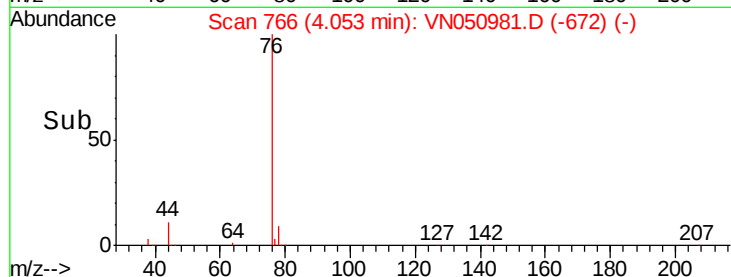
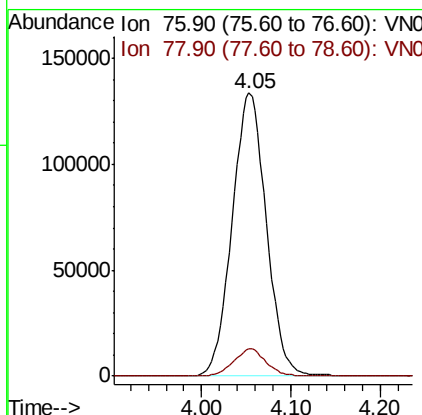
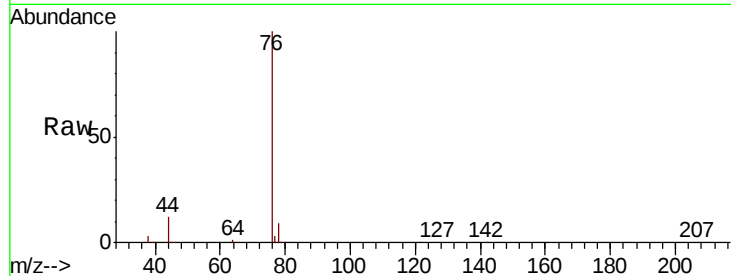




#17
Carbon Disulfide
Concen: 16.73 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

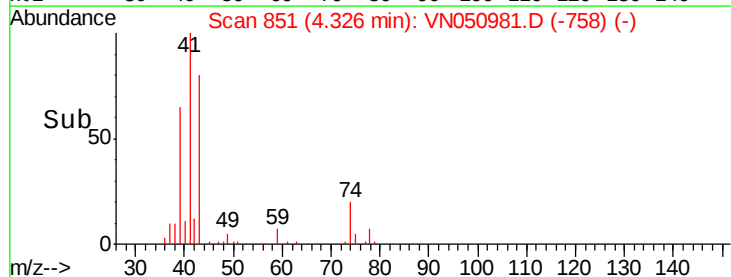
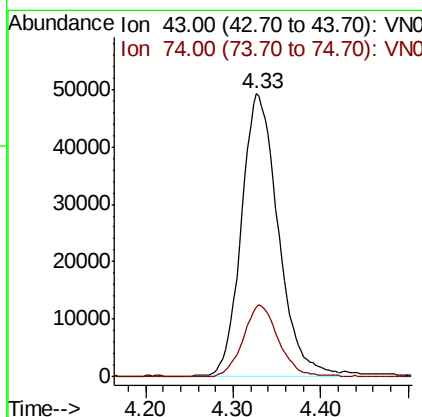
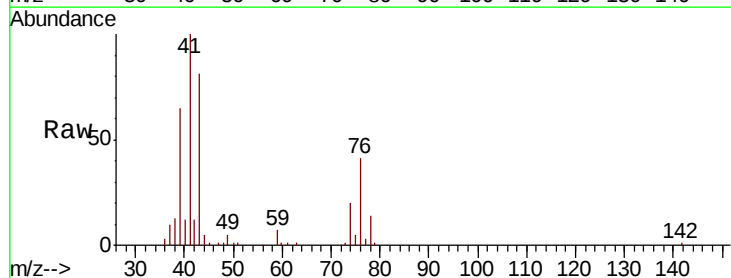
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion: 76 Resp: 354196
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#18
Methyl Acetate
Concen: 22.59 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 43 Resp: 144377
Ion Ratio Lower Upper
43 100
74 24.2 19.8 29.8

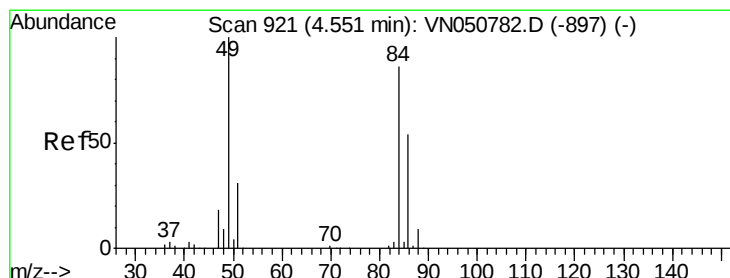
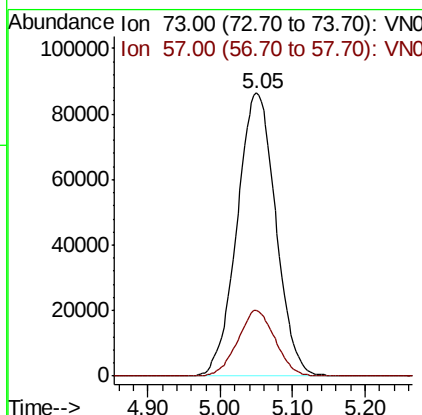
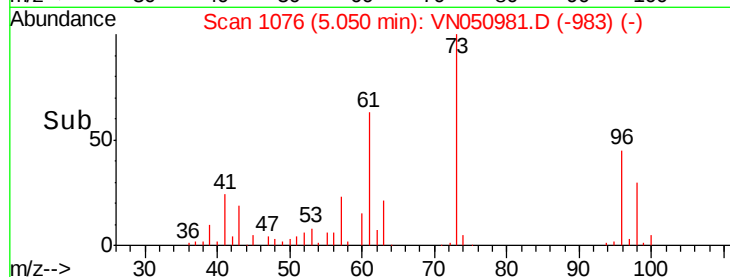
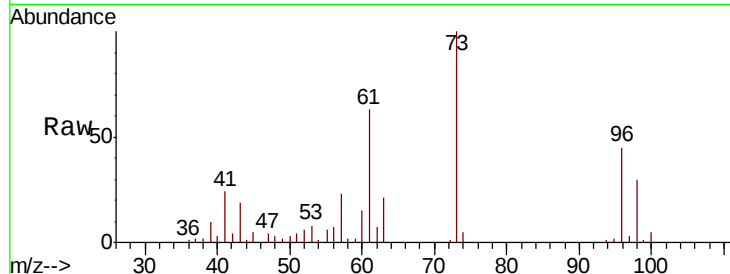




#19
Methyl tert-butyl Ether
Concen: 20.18 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

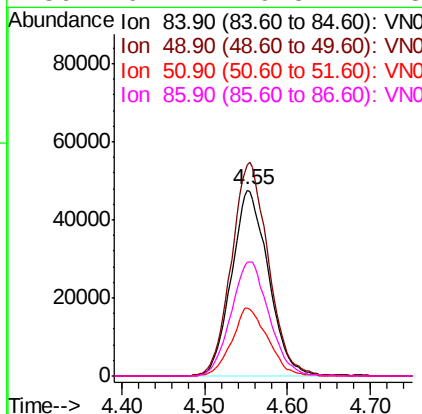
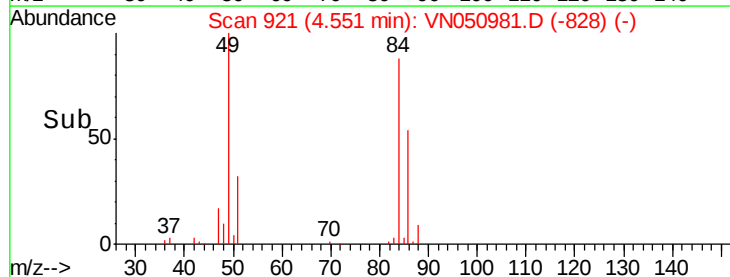
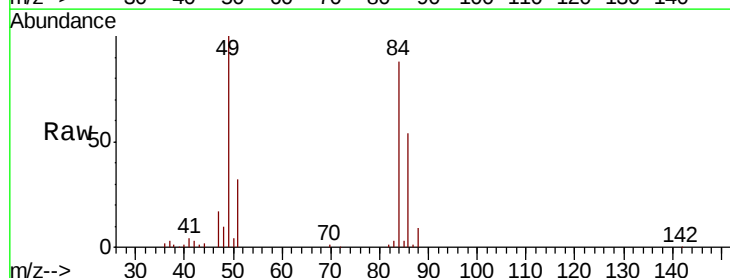
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

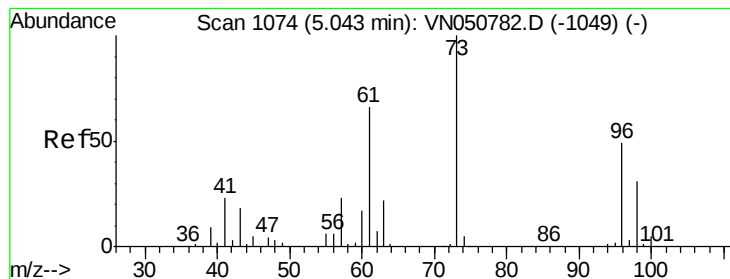
Tot Ion: 73 Resp: 320601
Ion Ratio Lower Upper
73 100
57 23.3 17.8 26.8



#20
Methylene Chloride
Concen: 19.29 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 84 Resp: 147153
Ion Ratio Lower Upper
84 100
49 113.5 93.2 139.8
51 36.8 29.0 43.6
86 61.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.89 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

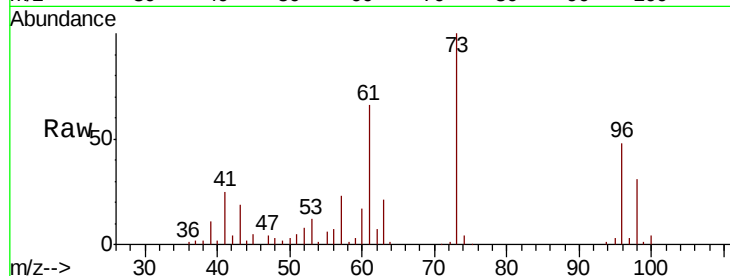
Tot Ion: 96 Resp: 129035

Ion Ratio Lower Upper

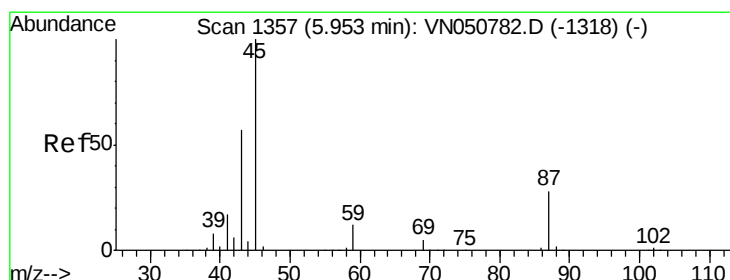
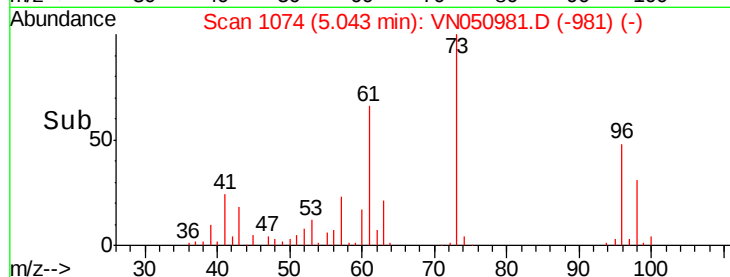
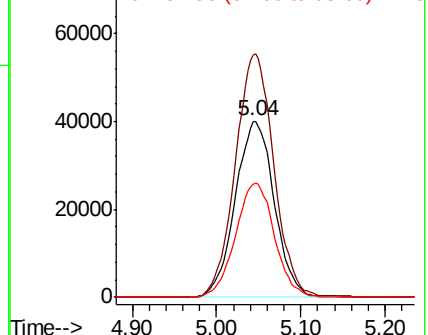
96 100

61 137.7 107.4 161.0

98 64.5 50.7 76.1



Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.66 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Tgt Ion: 45 Resp: 405206

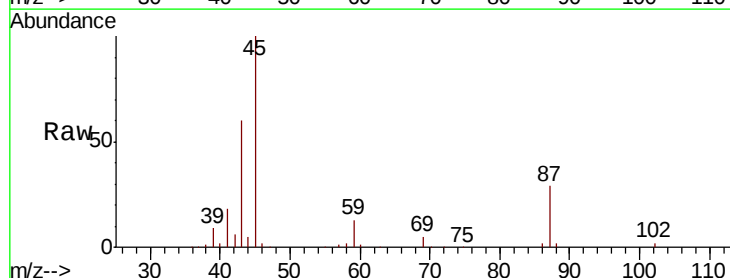
Ion Ratio Lower Upper

45 100

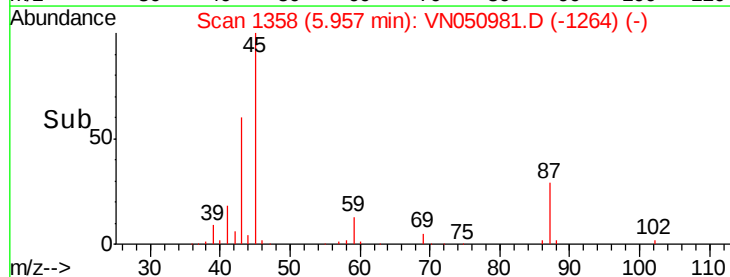
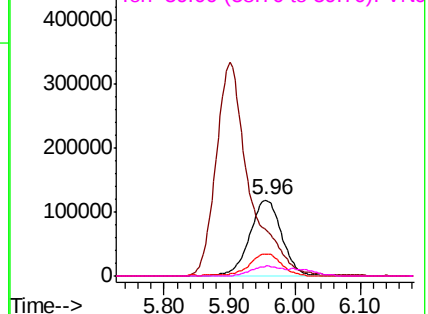
43 58.8 45.9 68.9

87 29.2 22.7 34.1

59 12.6 9.3 13.9



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

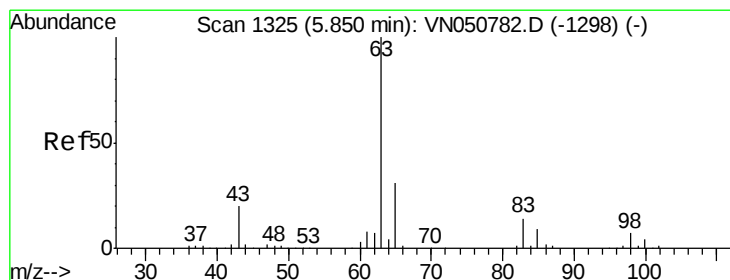
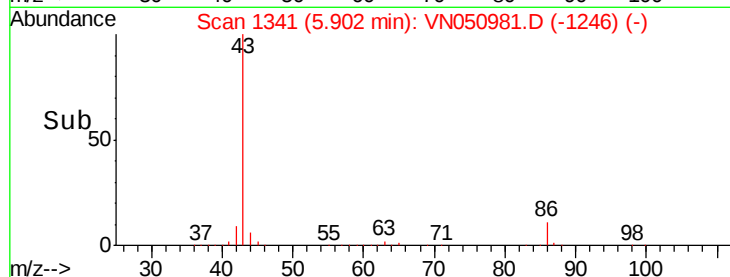
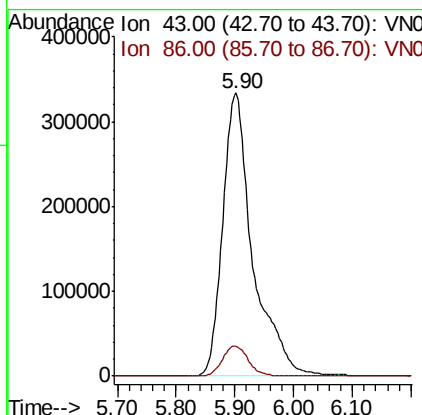
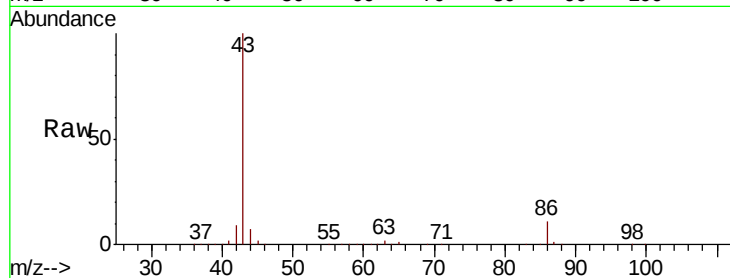




#23
 Vinyl Acetate
 Concen: 93.93 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

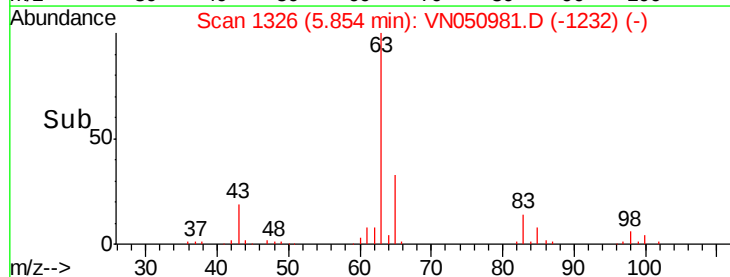
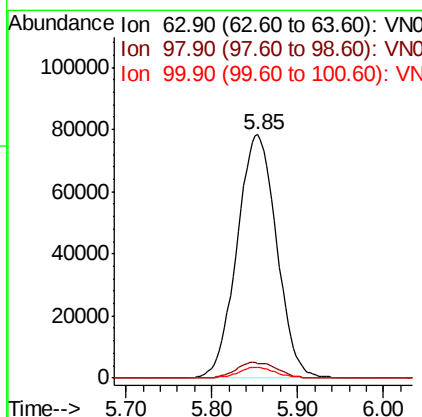
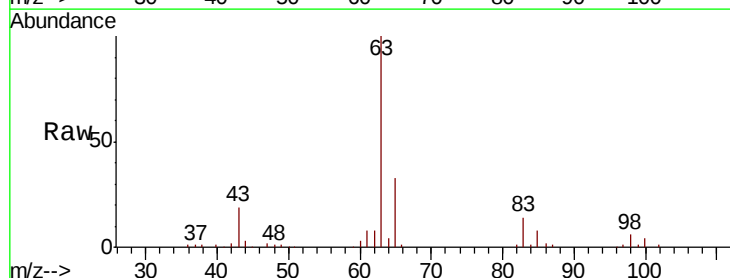
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

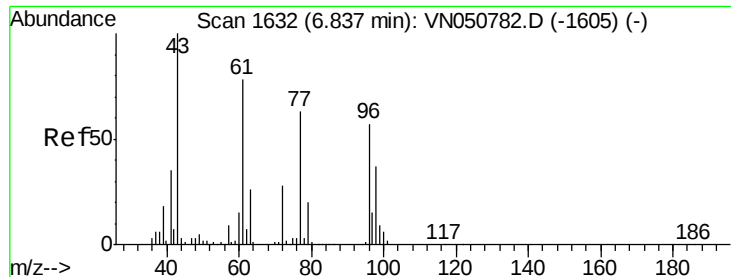
Tot Ion: 43 Resp: 1186342
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.90 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 63 Resp: 250588
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.3 9.8
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 84.32 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

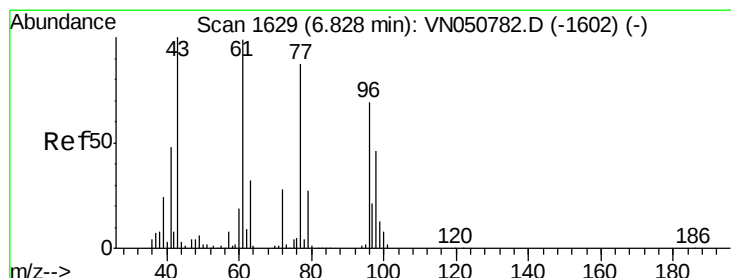
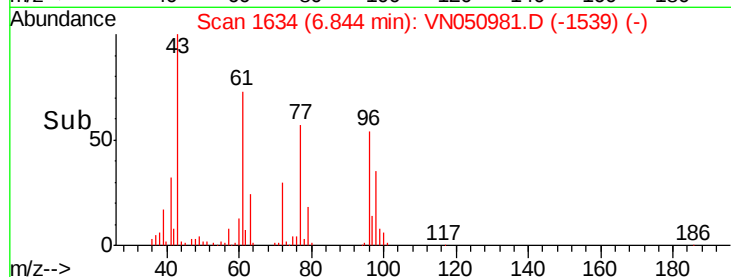
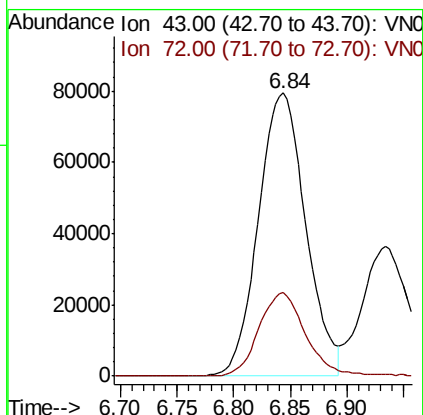
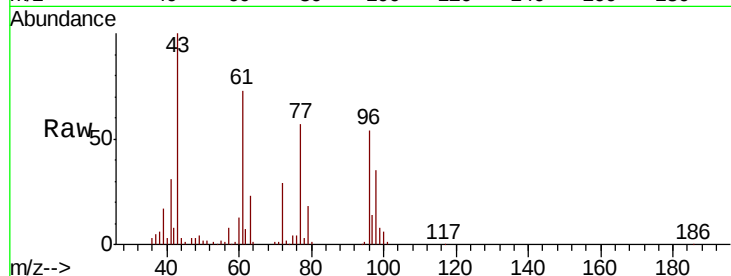
VN0831WBSD01

Tot Ion: 43 Resp: 230010

Ion Ratio Lower Upper

43 100

72 29.5 22.3 33.5



#26

2,2-Dichloropropane

Concen: 18.89 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050981.D

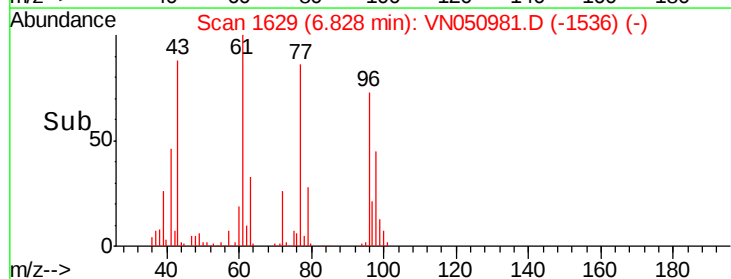
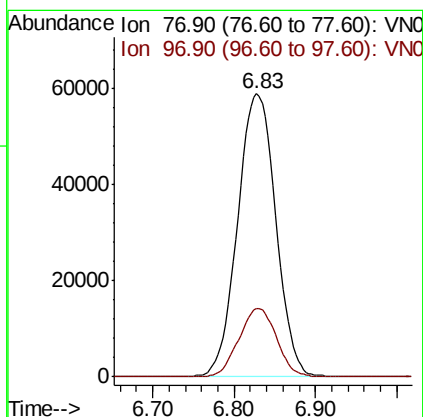
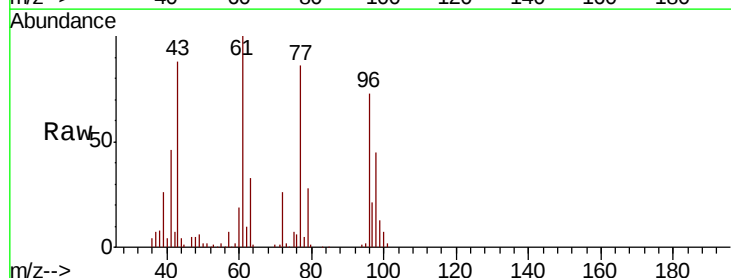
Acq: 31 Aug 2018 12:22

Tgt Ion: 77 Resp: 191079

Ion Ratio Lower Upper

77 100

97 23.8 12.0 36.0





#27

cis-1,2-Dichloroethene

Concen: 19.98 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

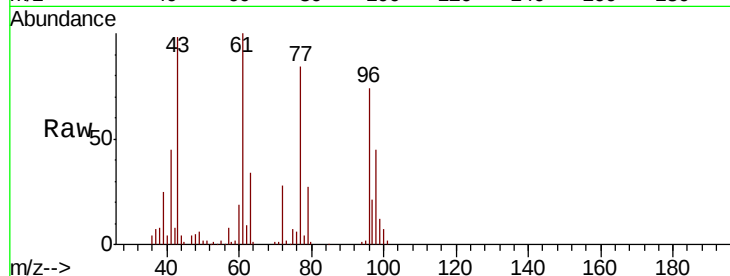
Tot Ion: 96 Resp: 147095

Ion Ratio Lower Upper

96 100

61 140.5 0.0 283.4

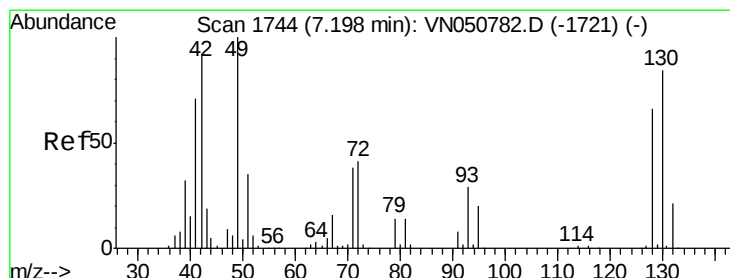
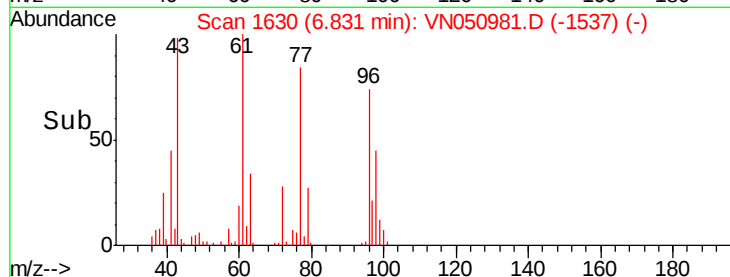
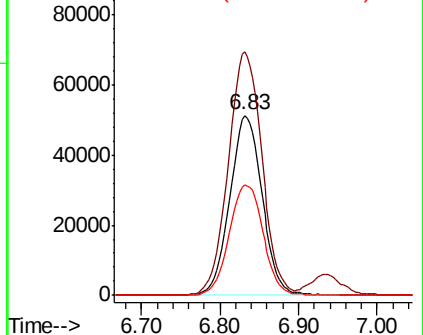
98 64.5 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.84 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

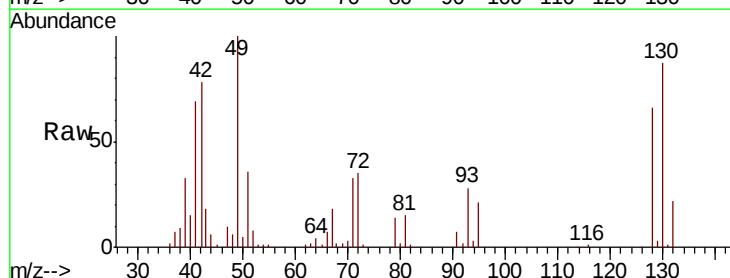
Tgt Ion: 49 Resp: 106116

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

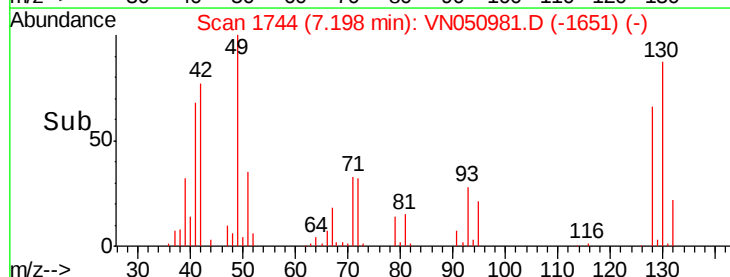
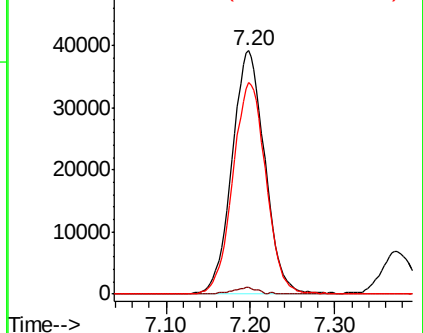
130 87.5 67.1 100.7

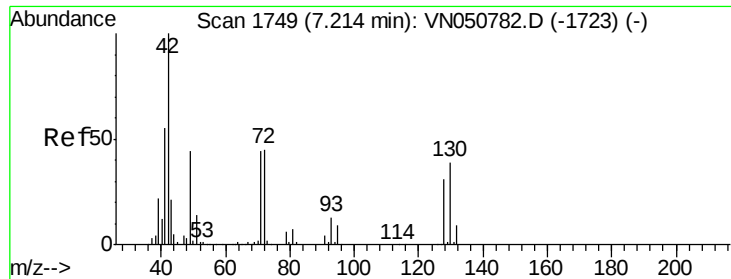


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

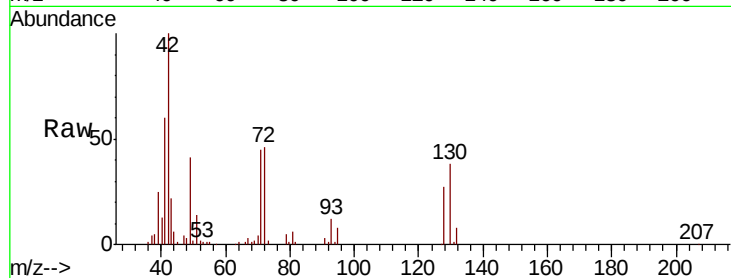




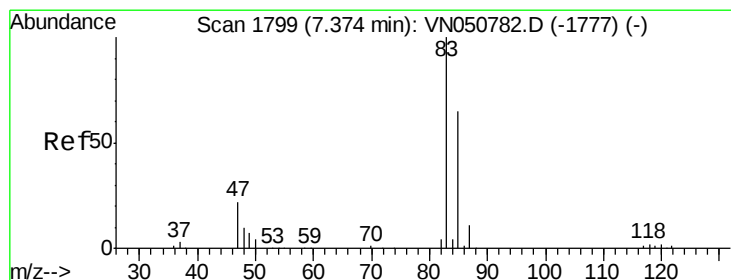
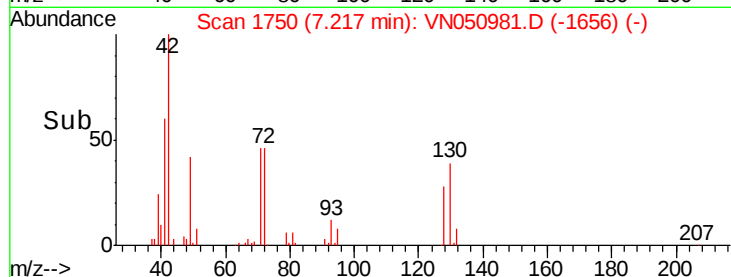
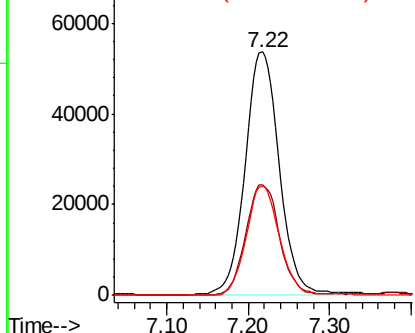
#29
Tetrahydrofuran
Concen: 98.28 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

Tot Ion: 42 Resp: 153710
Ion Ratio Lower Upper
42 100
72 45.3 35.5 53.3
71 43.9 33.7 50.5

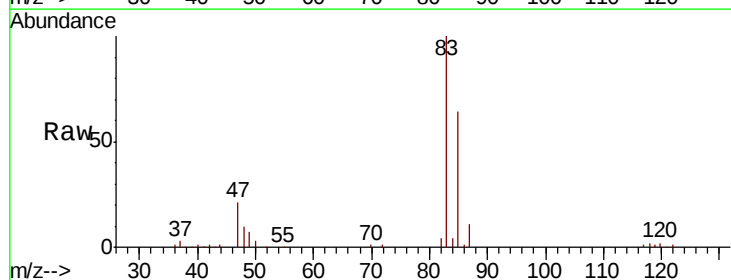


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

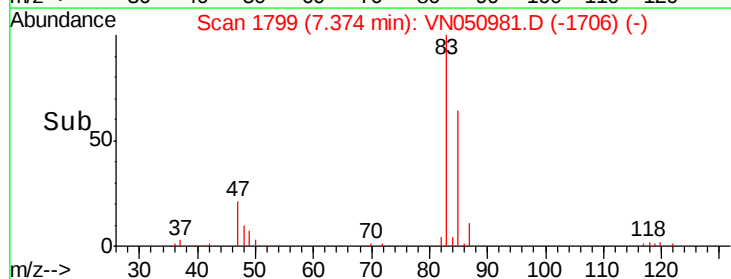
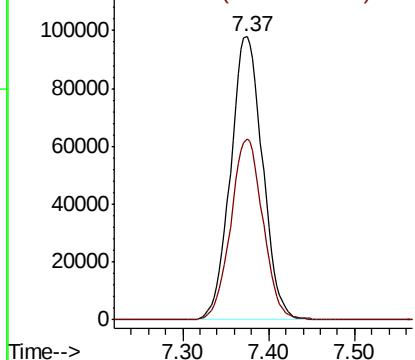


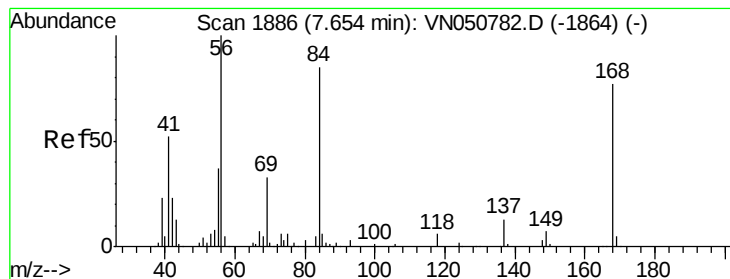
#30
Chloroform
Concen: 20.33 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 83 Resp: 253417
Ion Ratio Lower Upper
83 100
85 64.0 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.58 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

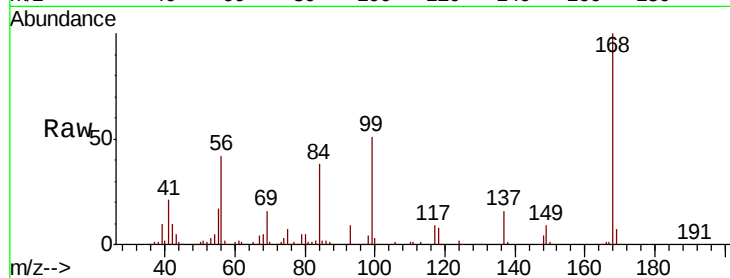
Tot Ion: 56 Resp: 209251

Ion Ratio Lower Upper

56 100

69 36.8 26.2 39.4

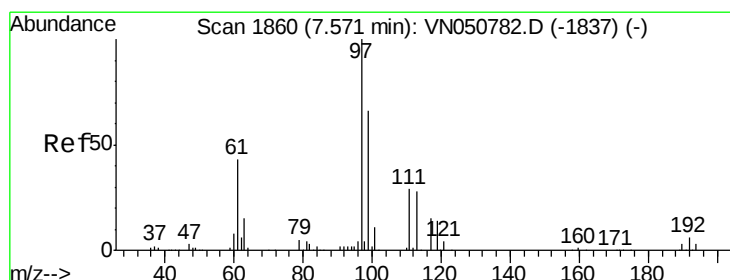
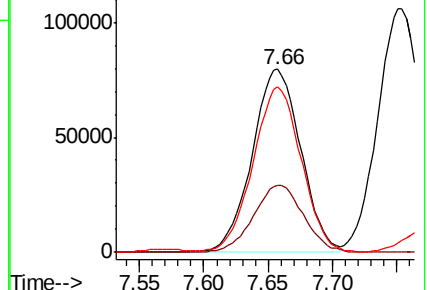
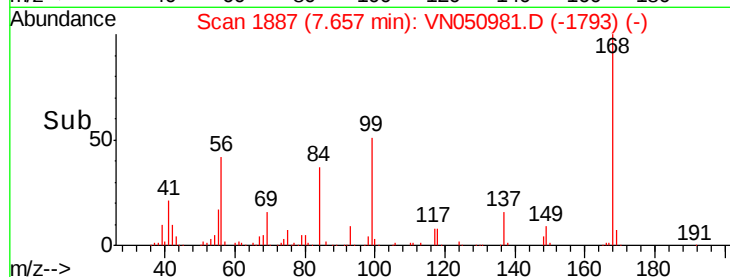
84 89.2 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.72 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

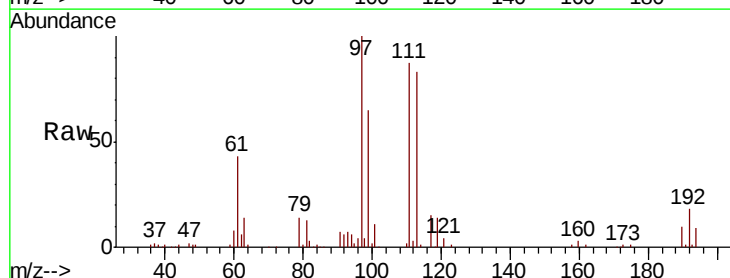
Tgt Ion: 97 Resp: 211143

Ion Ratio Lower Upper

97 100

99 66.3 51.8 77.6

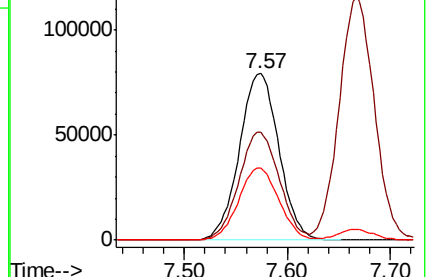
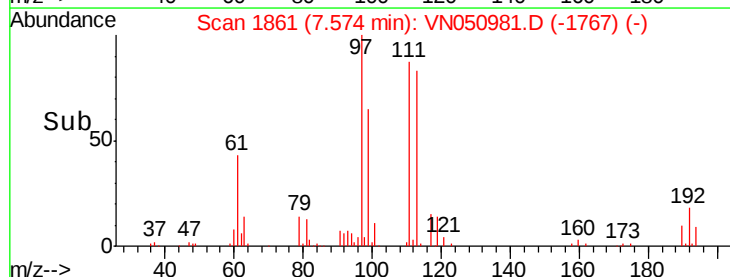
61 44.3 34.9 52.3



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

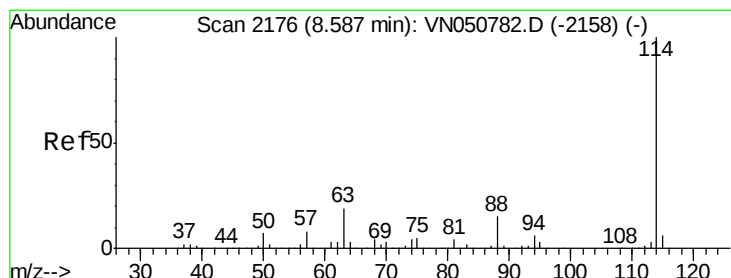
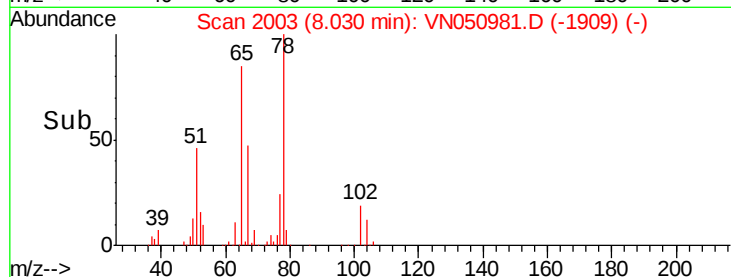
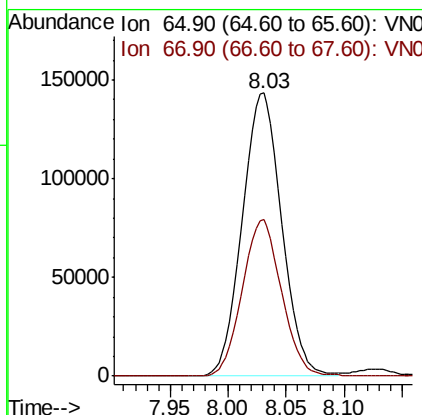
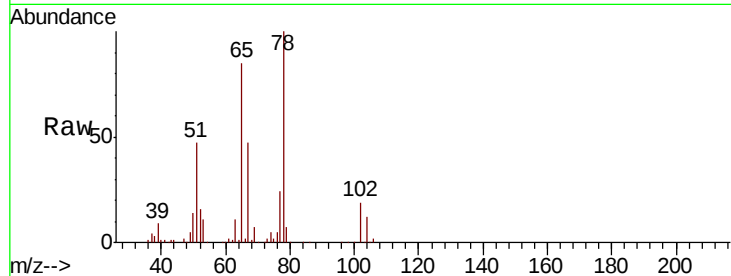




#33
 1,2-Dichloroethane-d4
 Concen: 50.15 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

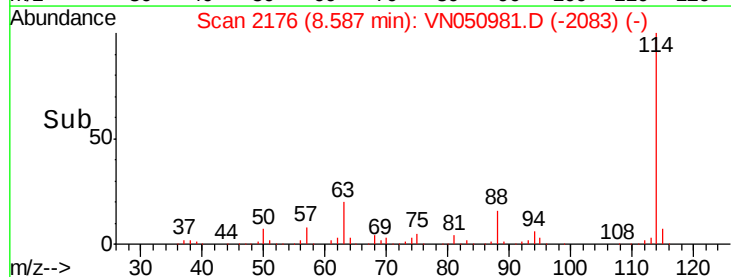
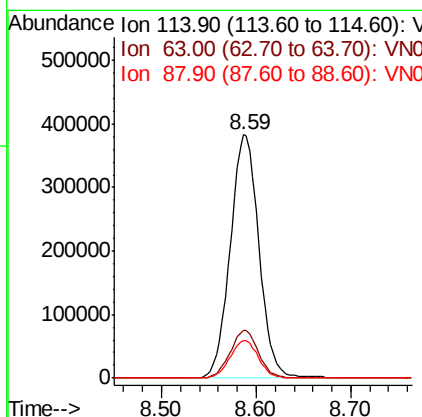
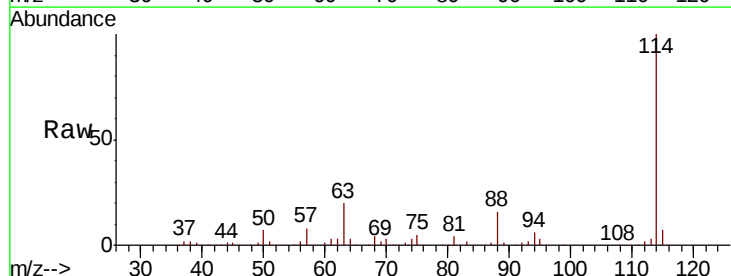
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

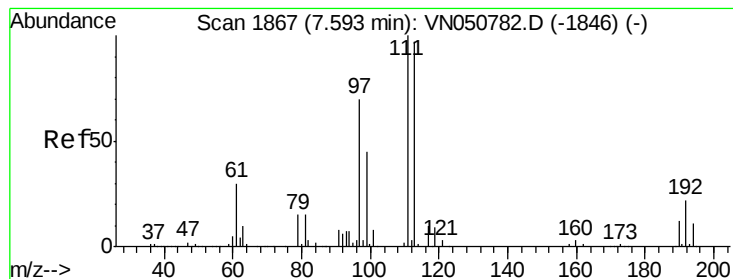
Tot Ion: 65 Resp: 339448
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 114 Resp: 807795
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 15.6 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.91 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

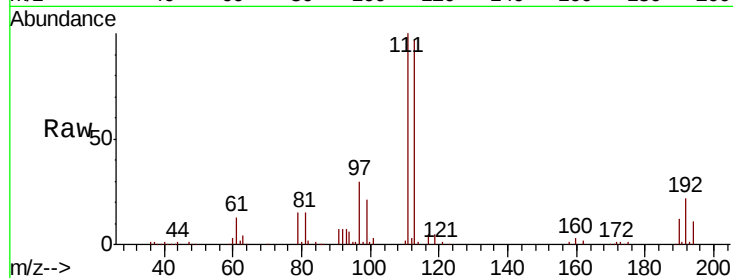
Tot Ion:113 Resp: 327156

Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

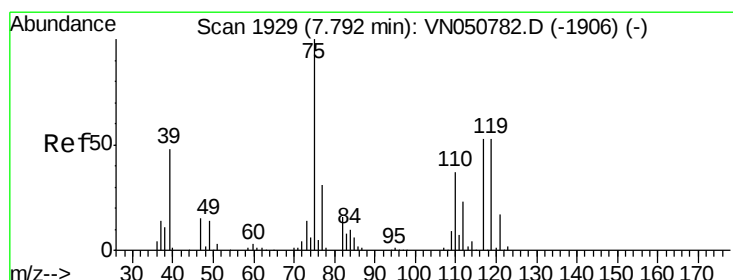
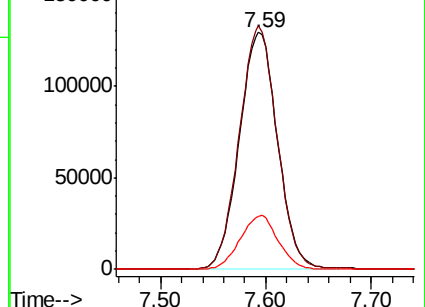
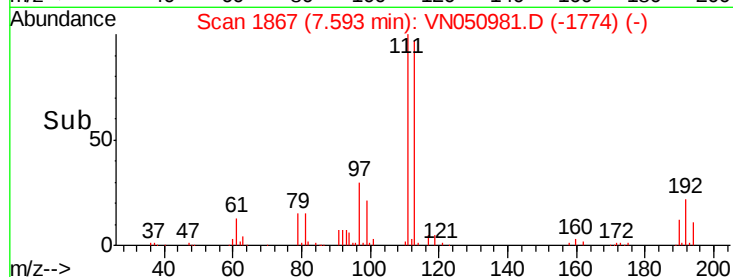
192 22.6 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.08 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

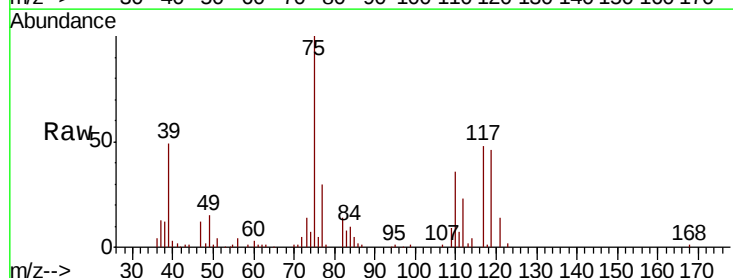
Tgt Ion: 75 Resp: 181871

Ion Ratio Lower Upper

75 100

110 37.0 18.1 54.4

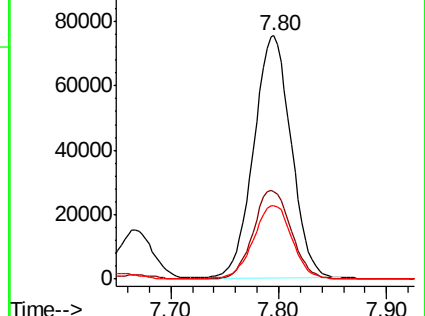
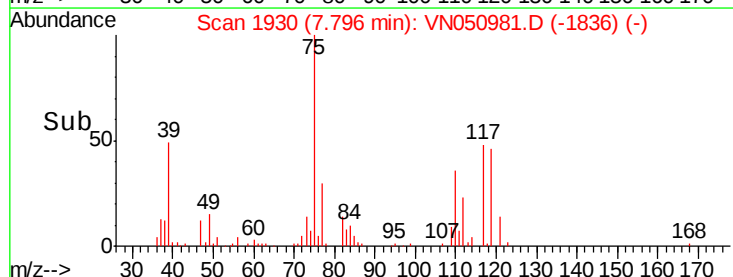
77 31.3 24.8 37.2

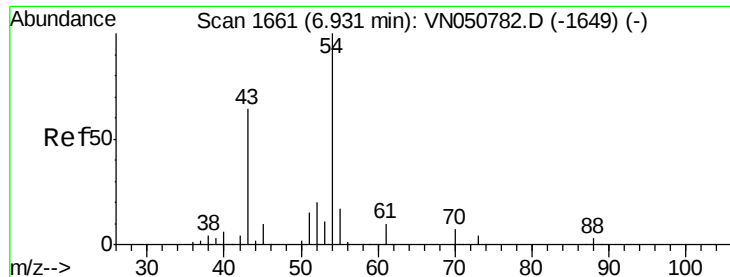


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO

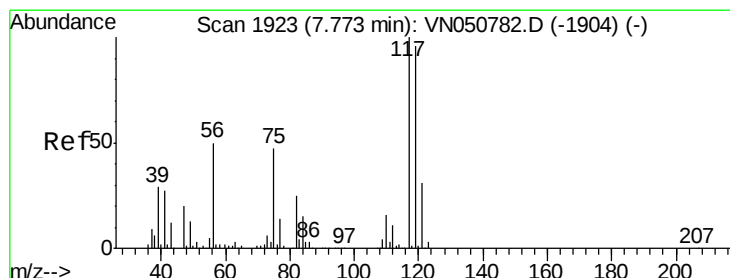
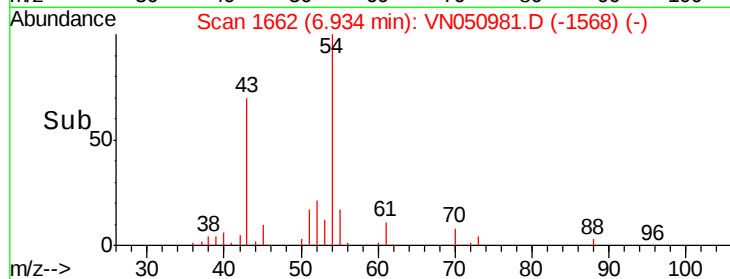
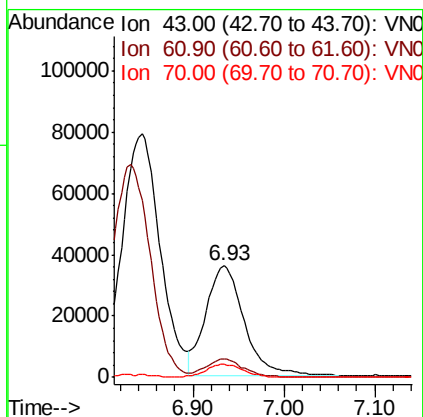
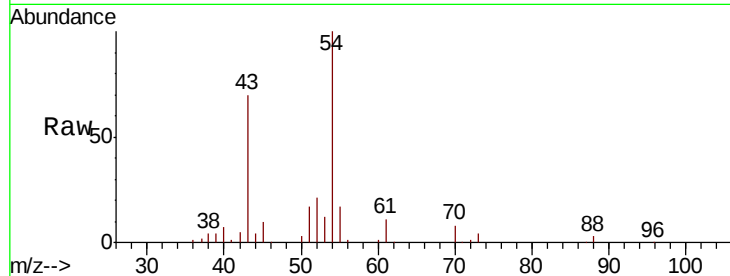




#37
Ethyl Acetate
Concen: 19.27 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

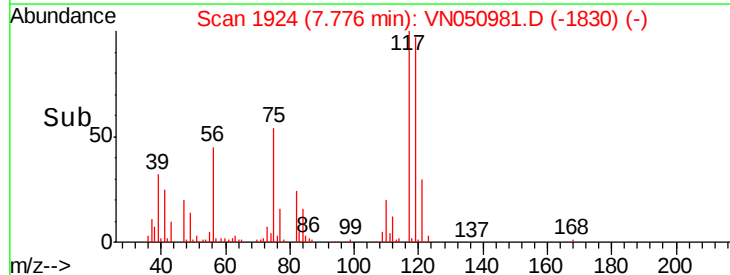
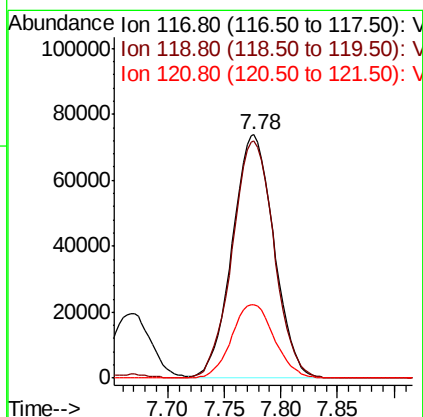
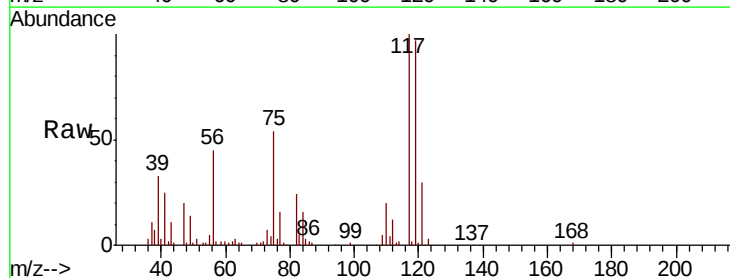
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

Tot Ion: 43 Resp: 105510
Ion Ratio Lower Upper
43 100
61 16.6 12.0 18.0
70 11.7 8.6 13.0



#38
Carbon Tetrachloride
Concen: 19.62 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 117 Resp: 189031
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 30.2 24.6 36.8

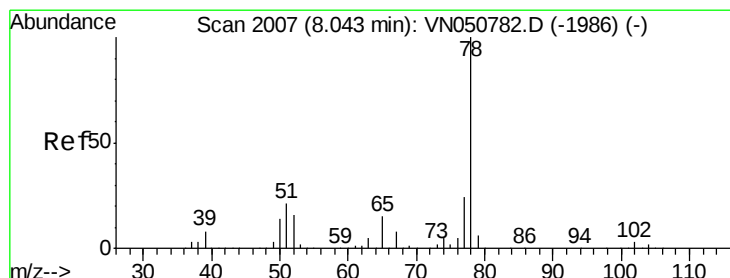
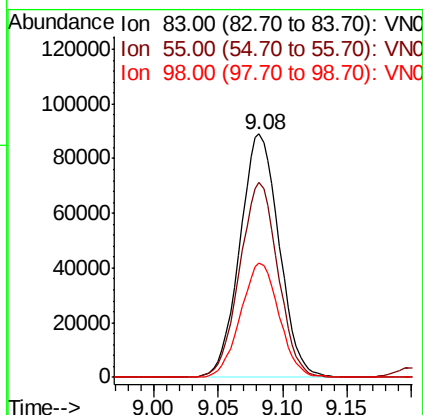
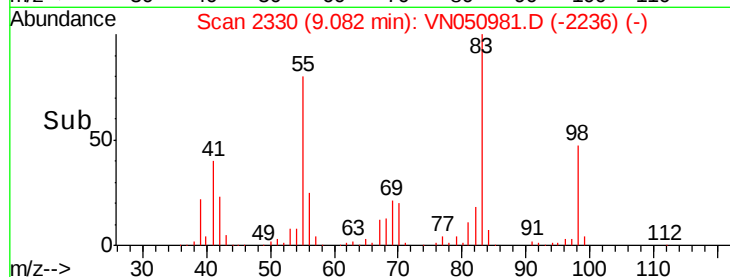
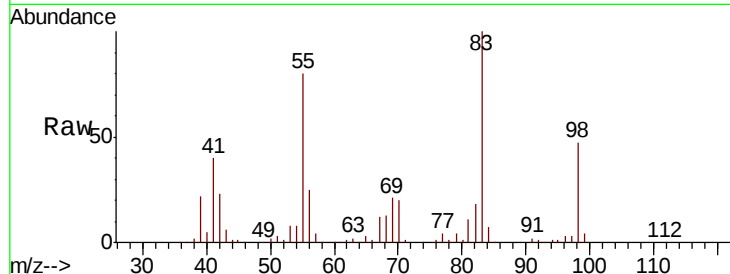




#39
Methvlcvclohexane
Concen: 18.30 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

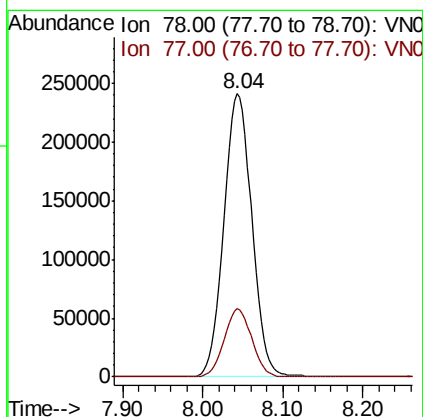
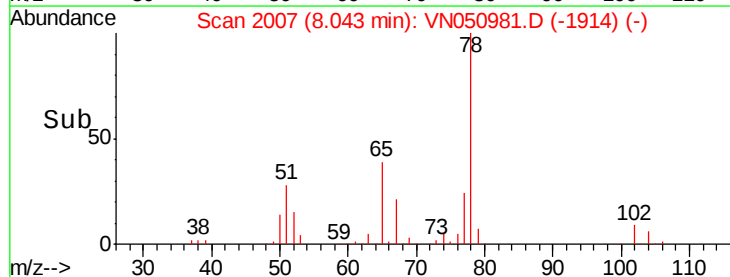
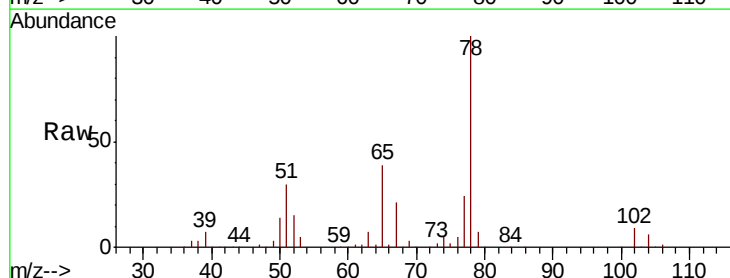
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

Tot Ion: 83 Resp: 188745
Ion Ratio Lower Upper
83 100
55 80.1 61.0 91.4
98 47.1 37.5 56.3



#40
Benzene
Concen: 20.00 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 78 Resp: 574779
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

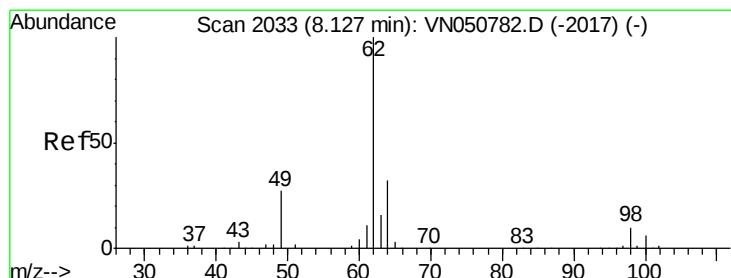
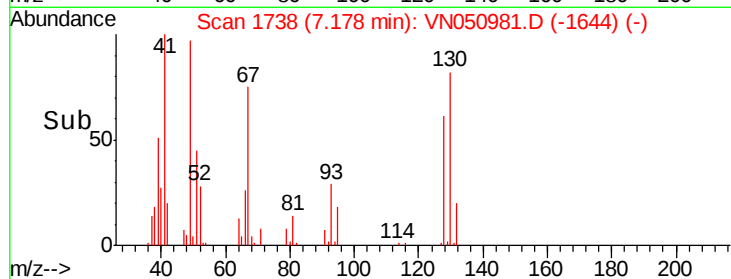
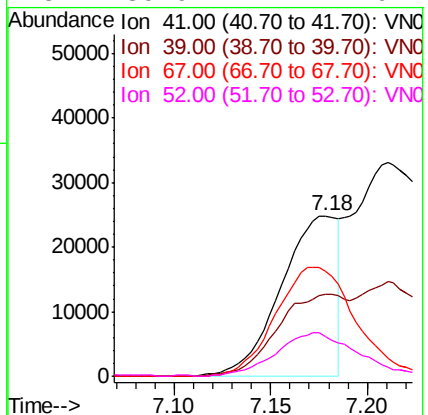
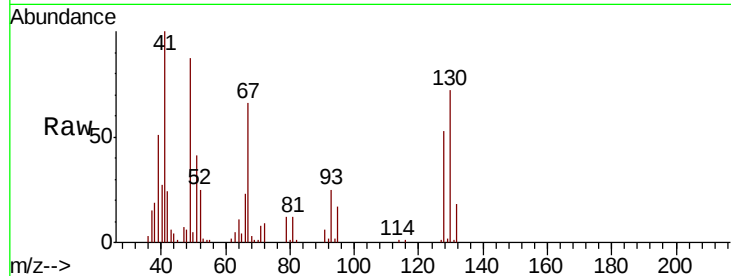




#41
Methacrylonitrile
Concen: 17.12 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

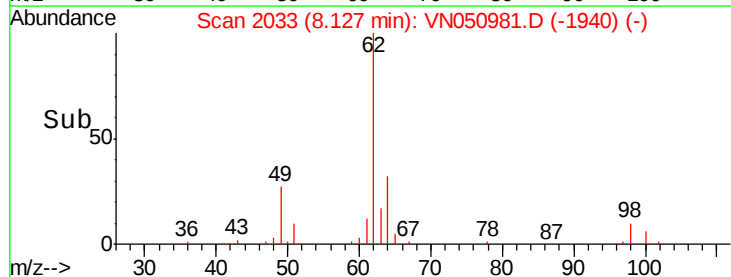
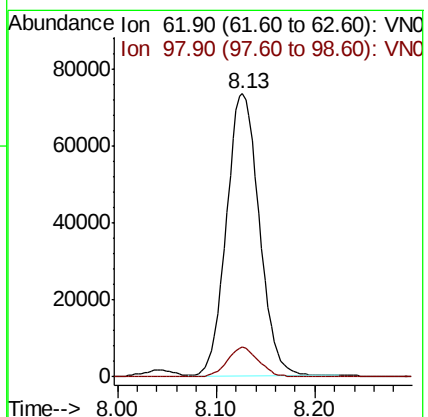
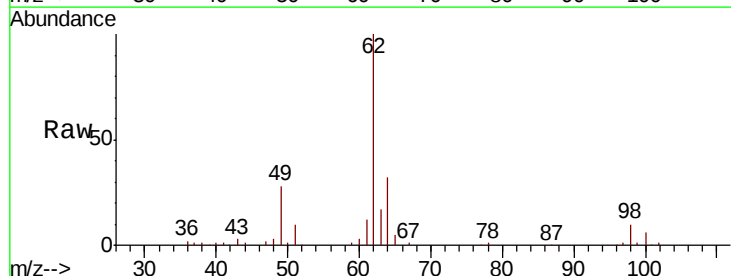
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

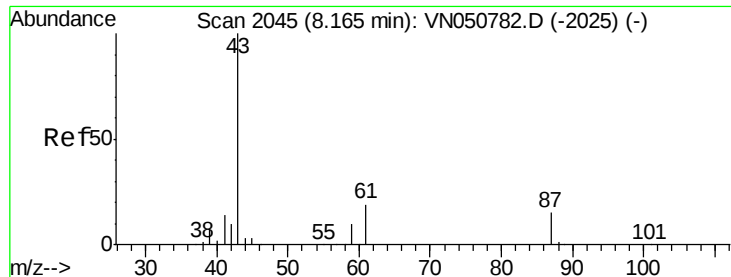
Tot Ion: 41 Resp: 50724
Ion Ratio Lower Upper
41 100
39 63.2 45.4 68.0
67 97.3 70.6 106.0
52 39.9 27.1 40.7



#42
1,2-Dichloroethane
Concen: 19.91 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 62 Resp: 171103
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.6





#43

Isopropyl Acetate

Concen: 20.36 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

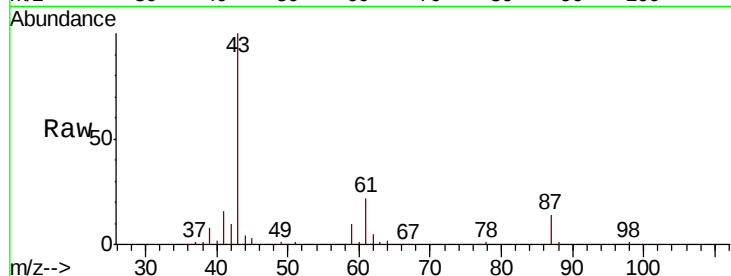
Tot Ion: 43 Resp: 191663

Ion Ratio Lower Upper

43 100

61 19.9 17.5 26.3

87 13.7 11.3 16.9

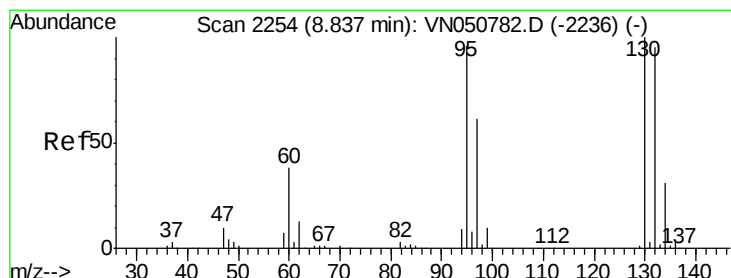
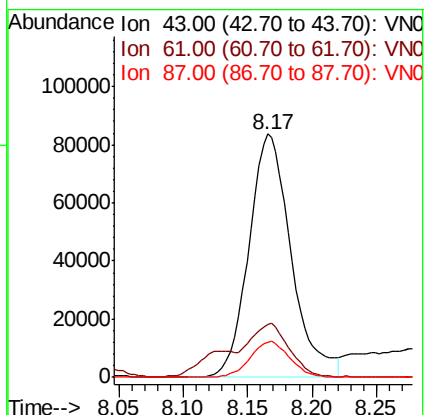
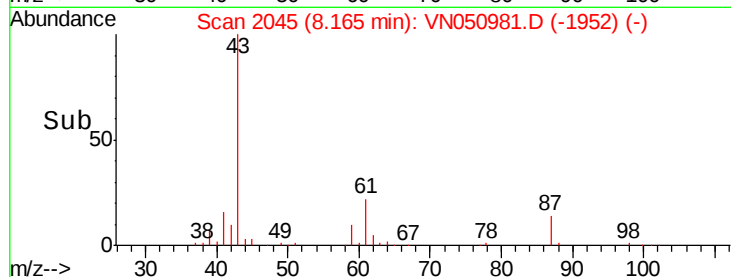


Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)

Time-->



#44

Trichloroethene

Concen: 19.57 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050981.D

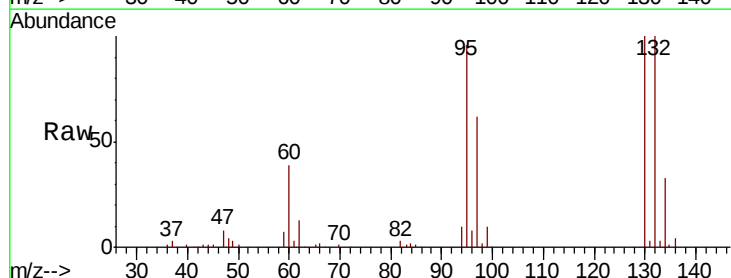
Acq: 31 Aug 2018 12:22

Tgt Ion:130 Resp: 148377

Ion Ratio Lower Upper

130 100

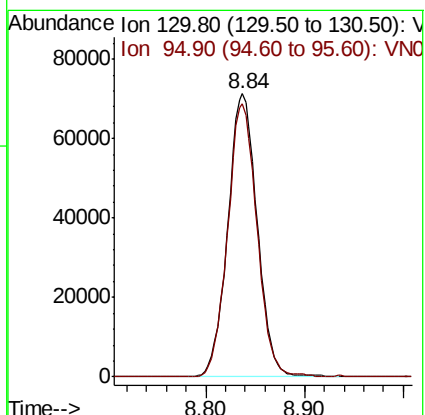
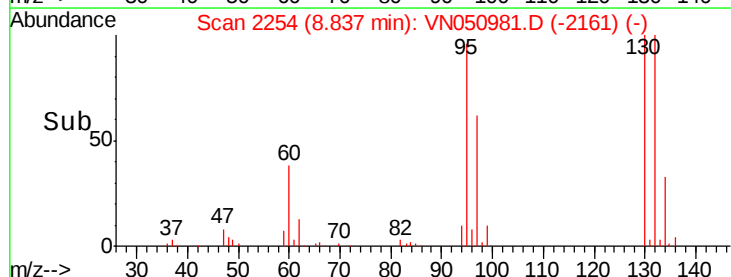
95 96.3 0.0 193.0

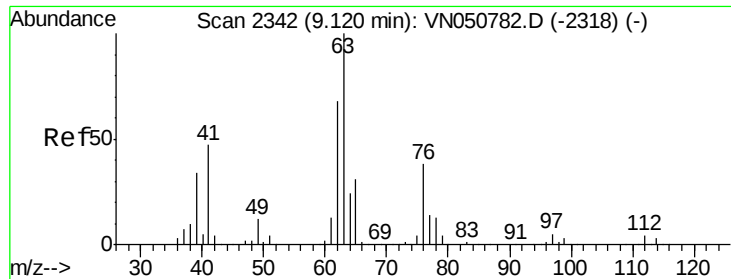


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)

Time-->

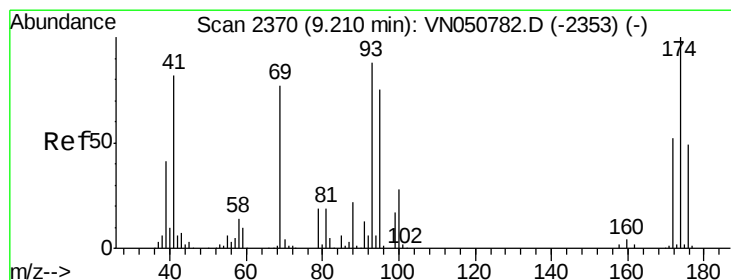
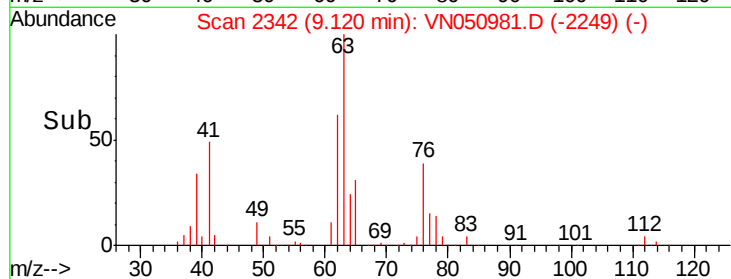
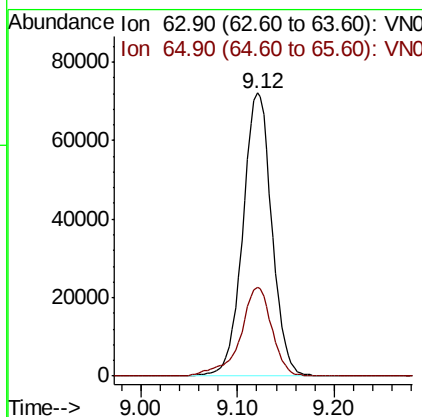
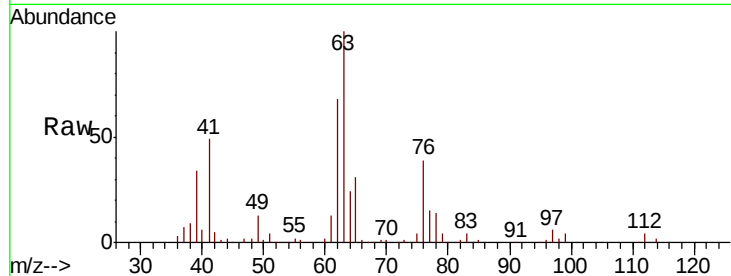




#45
 1,2-Dichloropropane
 Concen: 19.85 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

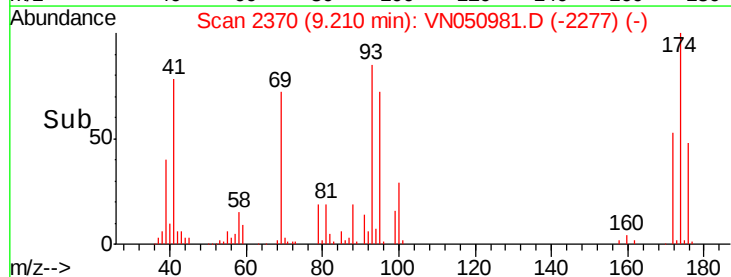
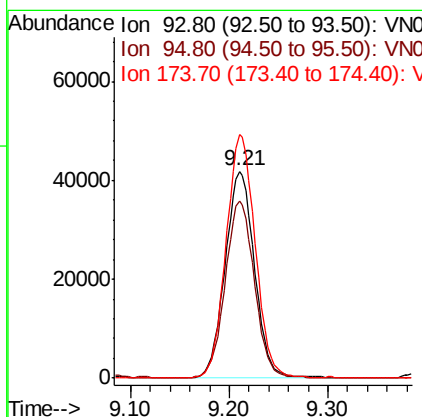
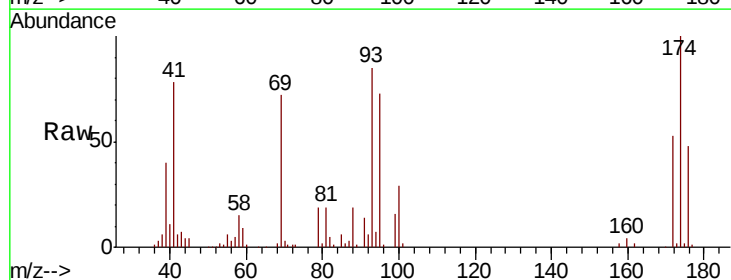
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion: 63 Resp: 149963
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.6



#46
 Dibromomethane
 Concen: 19.64 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 93 Resp: 87186
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.7 100.1
 174 116.8 89.8 134.6





#47

Bromodichloromethane

Concen: 20.31 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

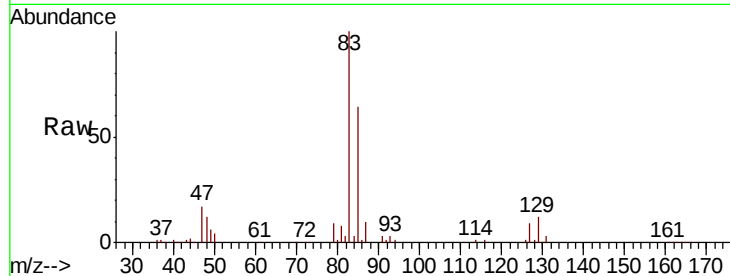
Tot Ion: 83 Resp: 188863

Ion Ratio Lower Upper

83 100

85 63.5 52.6 78.8

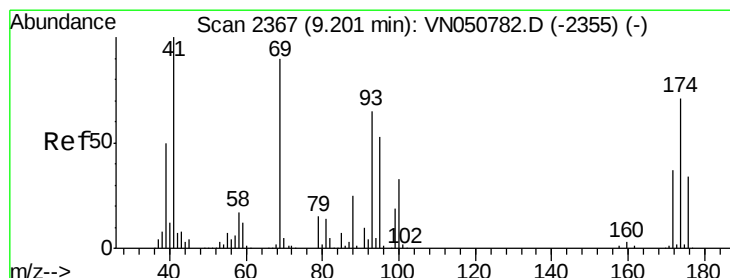
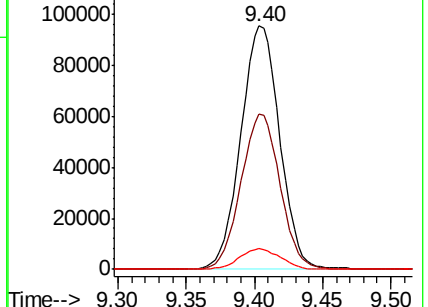
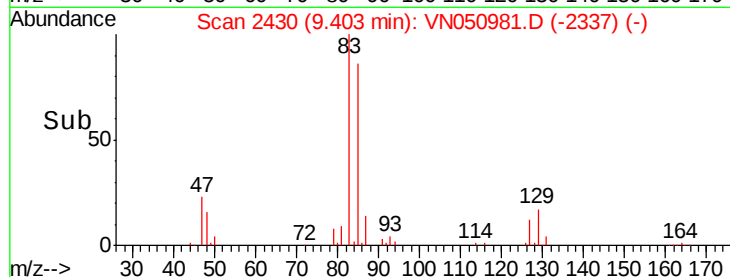
127 8.5 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN050981.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN050981.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN050981.D (-2337) (-)



#48

Methyl methacrylate

Concen: 19.68 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

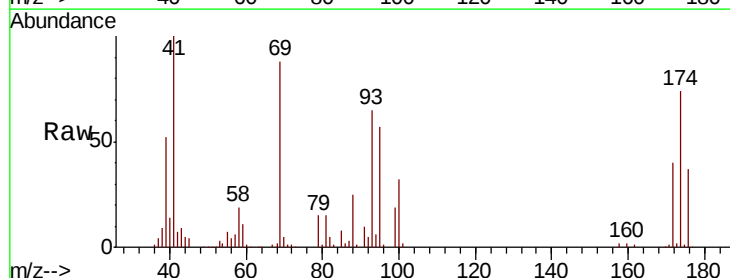
Tgt Ion: 41 Resp: 94435

Ion Ratio Lower Upper

41 100

69 93.3 74.7 112.1

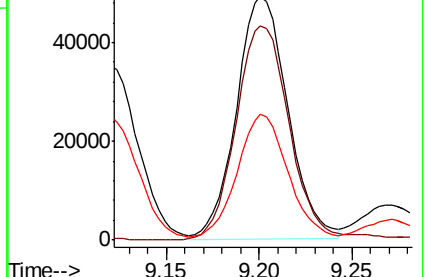
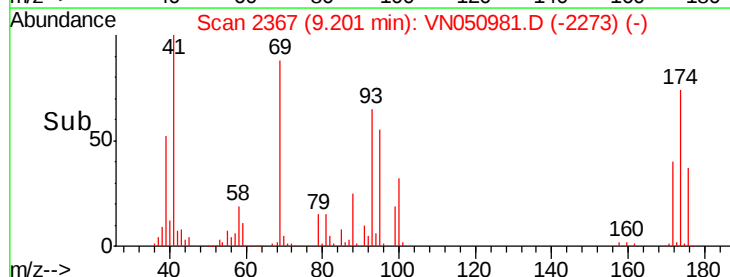
39 51.2 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050981.D (-2273) (-)

Ion 69.00 (68.70 to 69.70): VN050981.D (-2273) (-)

Ion 39.00 (38.70 to 39.70): VN050981.D (-2273) (-)





#49

1,4-Dioxane

Concen: 384.73 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

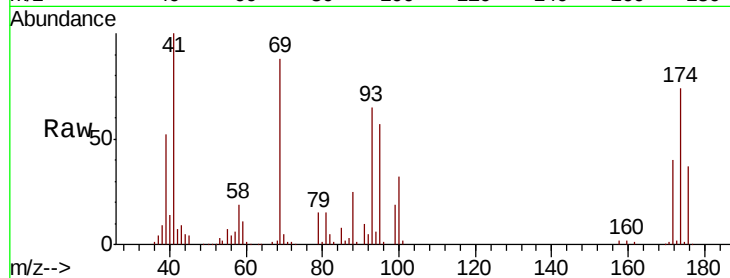
Tot Ion: 88 Resp: 25165

Ion Ratio Lower Upper

88 100

43 30.1 25.9 38.9

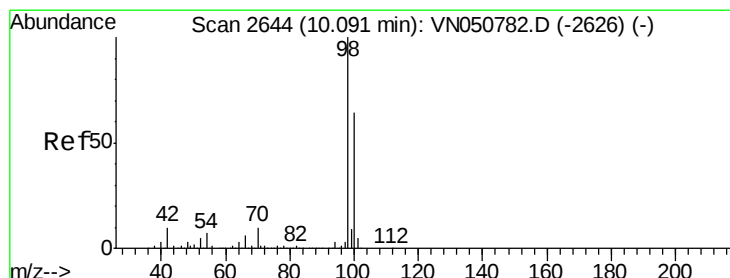
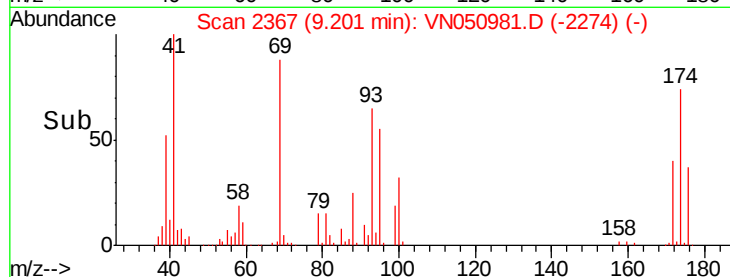
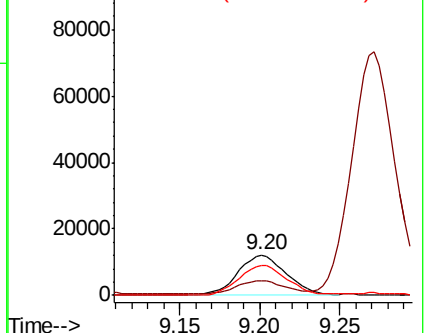
58 73.6 55.0 82.4



Abundance Ion 88.00 (87.70 to 88.70): VN050981.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN050981.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN050981.D (-2274) (-)



#50

Toluene-d8

Concen: 50.61 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050981.D

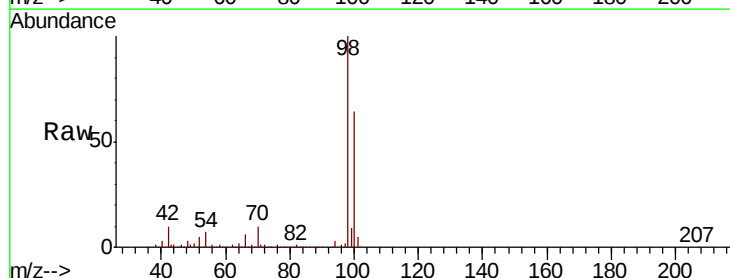
Acq: 31 Aug 2018 12:22

Tgt Ion: 98 Resp: 1215925

Ion Ratio Lower Upper

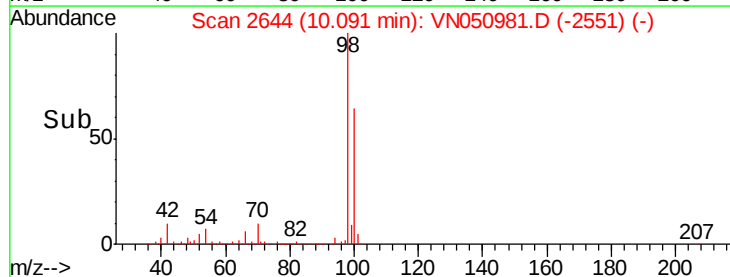
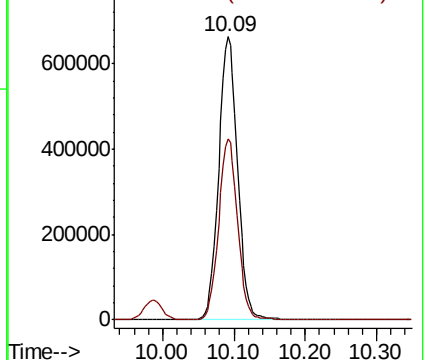
98 100

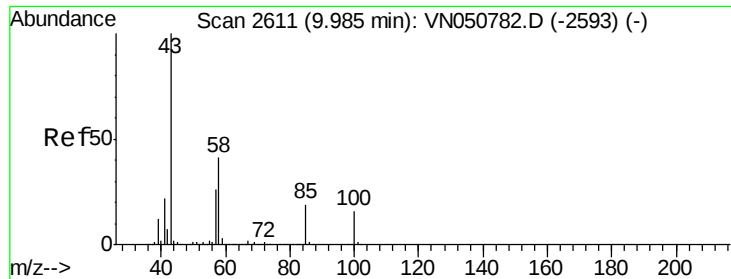
100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN050981.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN050981.D (-2551) (-)

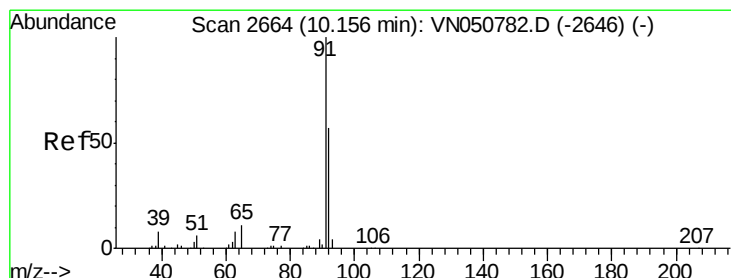
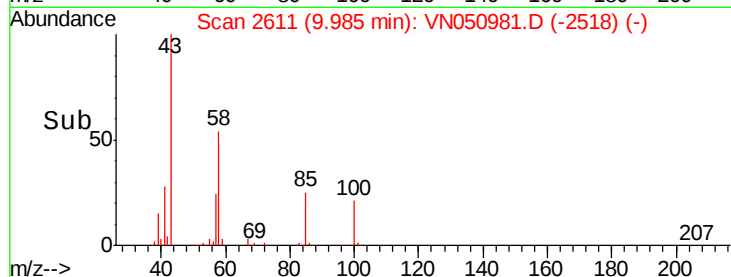
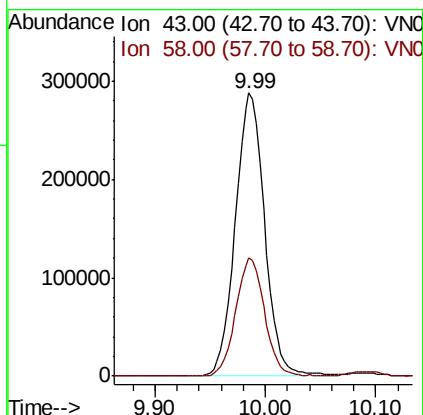
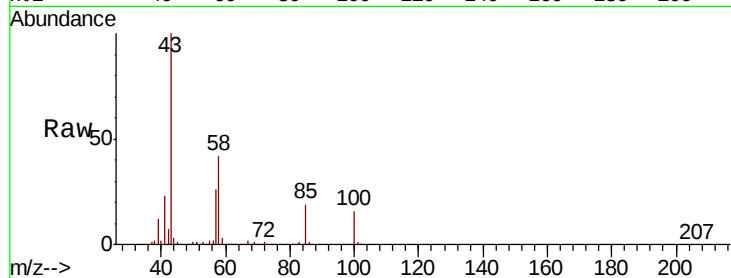




#51
 4-Methyl-2-Pentanone
 Concen: 93.96 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

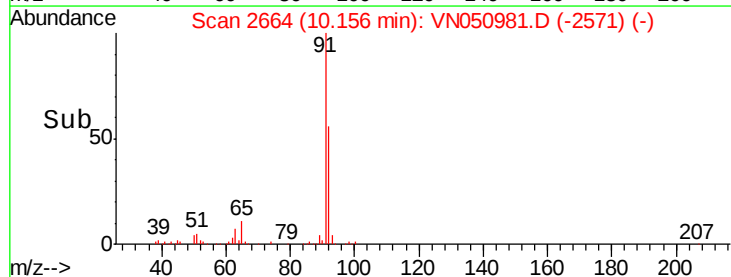
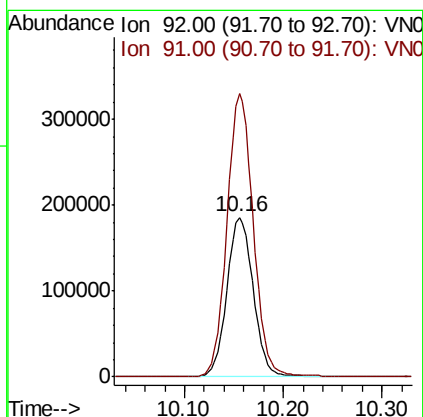
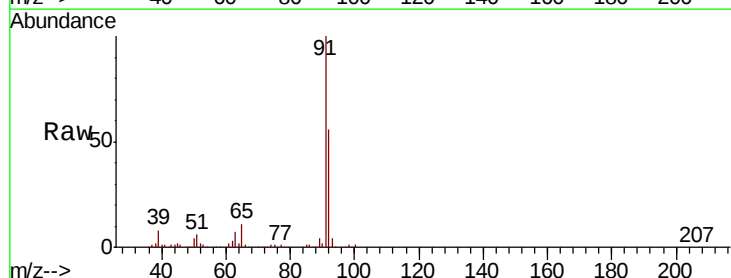
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

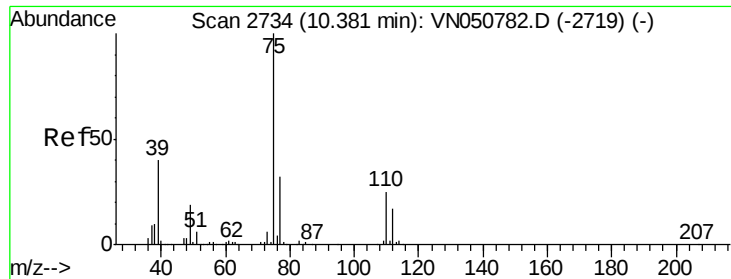
Tot Ion: 43 Resp: 527898
 Ion Ratio Lower Upper
 43 100
 58 41.2 32.4 48.6



#52
 Toluene
 Concen: 20.37 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 92 Resp: 346851
 Ion Ratio Lower Upper
 92 100
 91 176.4 140.6 211.0





#53

t-1,3-Dichloropropene

Concen: 19.04 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

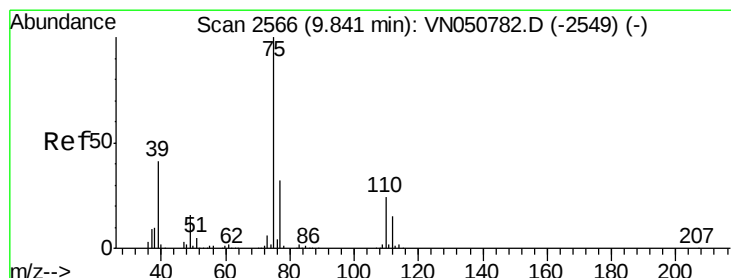
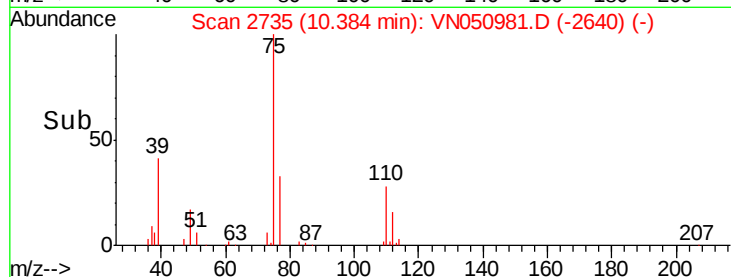
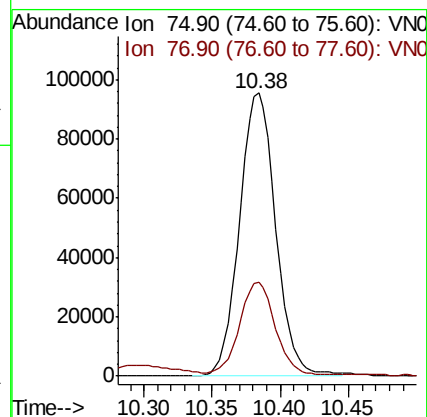
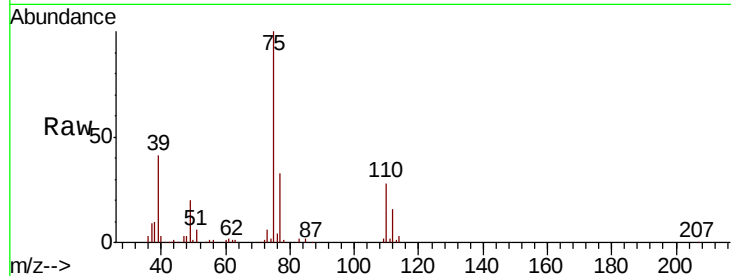
VN0831WBSD01

Tot Ion: 75 Resp: 176186

Ion Ratio Lower Upper

75 100

77 32.3 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 20.09 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

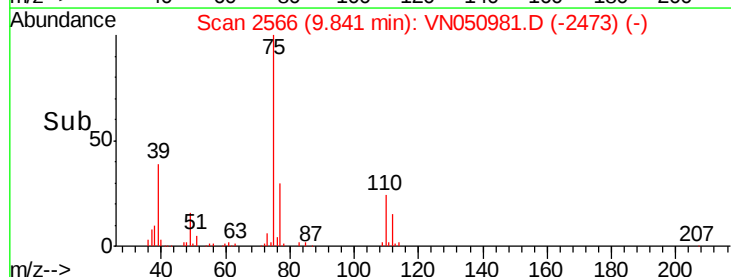
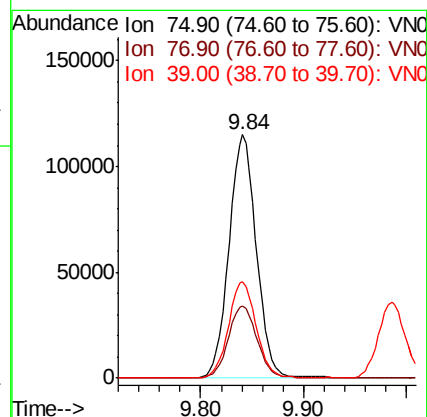
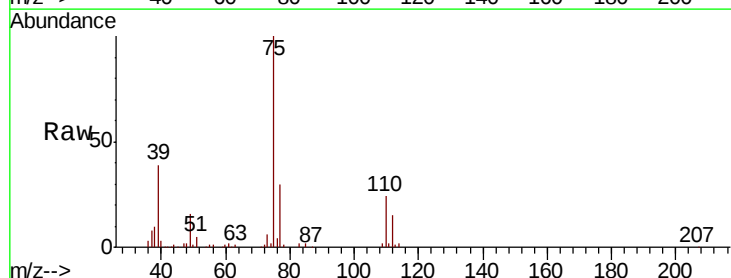
Tgt Ion: 75 Resp: 212847

Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.2

39 39.2 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 19.98 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

Tot Ion: 97 Resp: 126301

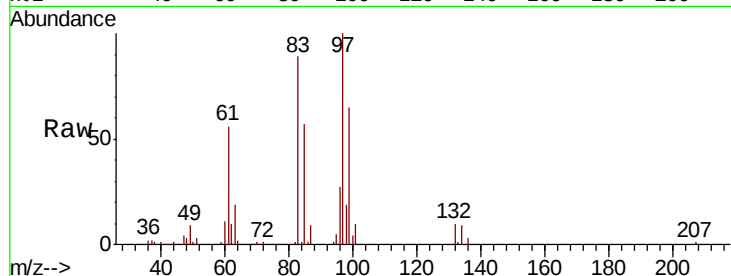
Ion Ratio Lower Upper

97 100

83 88.6 69.7 104.5

85 57.2 44.5 66.7

99 65.2 50.7 76.1

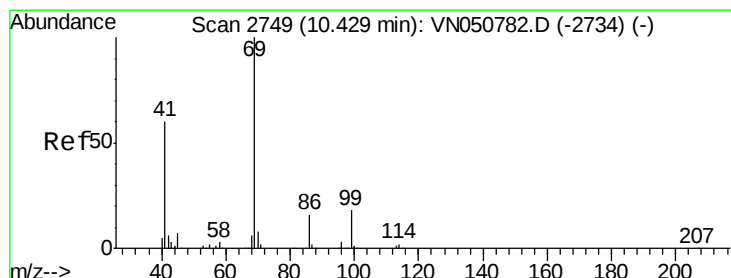
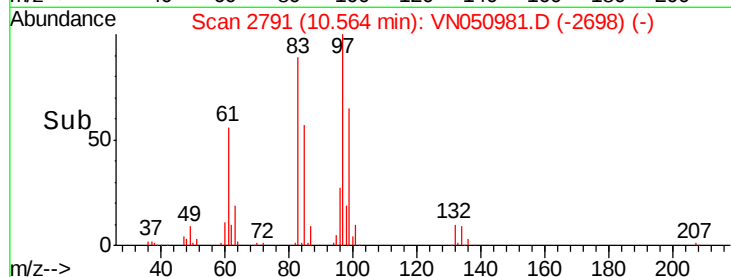
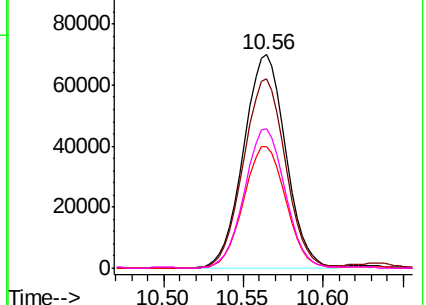


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.77 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

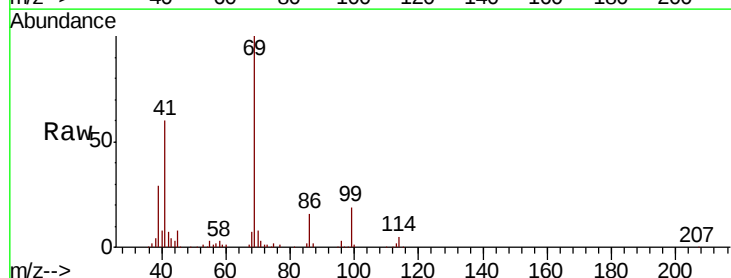
Tgt Ion: 69 Resp: 141649

Ion Ratio Lower Upper

69 100

41 59.9 48.3 72.5

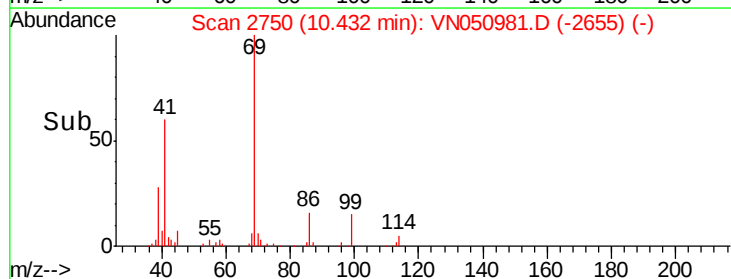
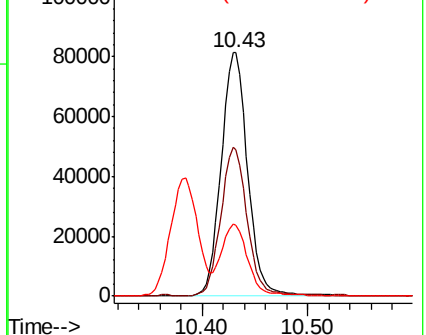
39 28.8 24.0 36.0



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

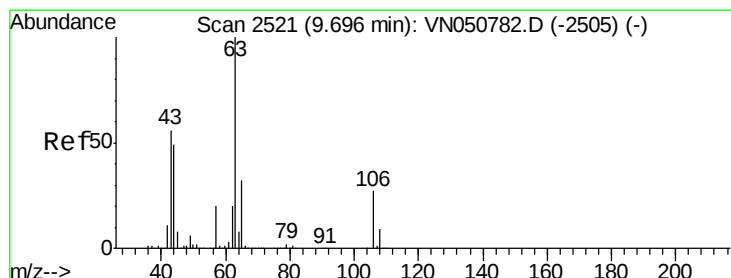
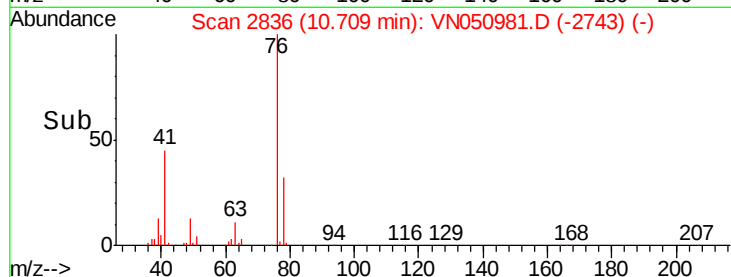
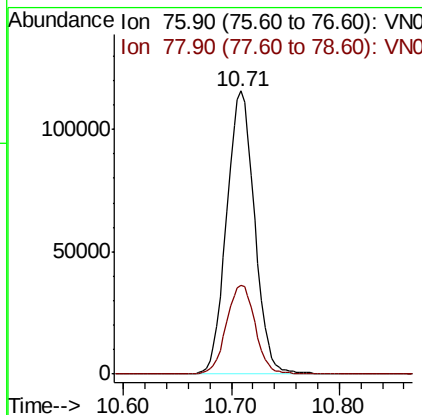
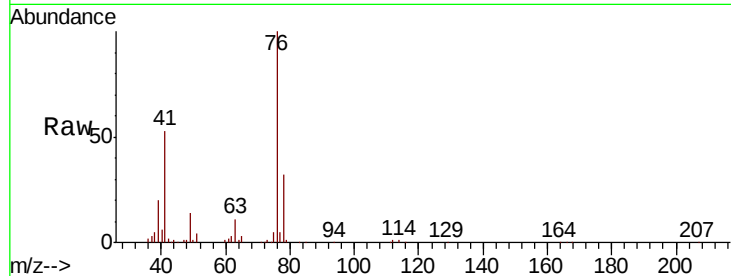




#57
 1,3-Dichloropropane
 Concen: 20.09 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

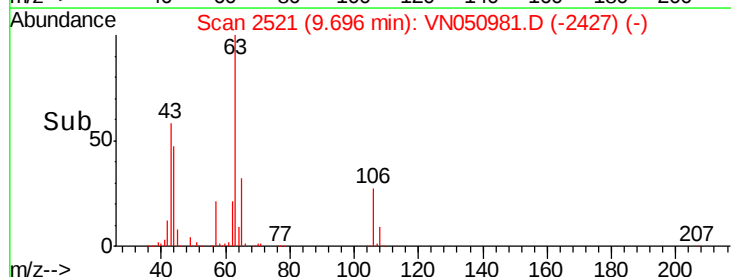
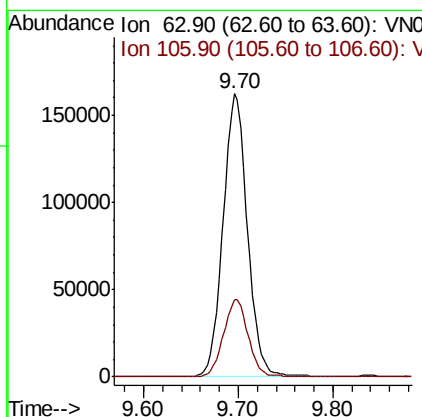
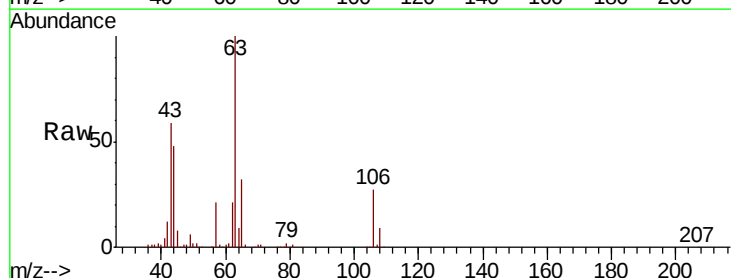
Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

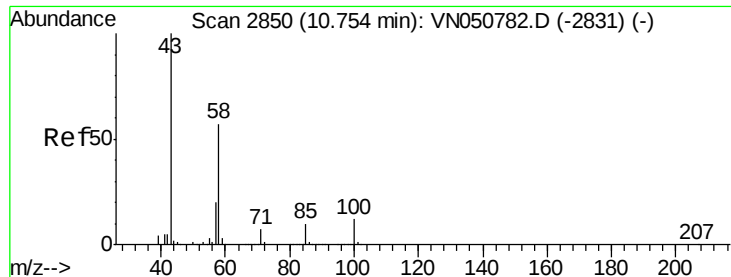
Tot Ion: 76 Resp: 209525
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.33 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 63 Resp: 290855
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.9 32.9

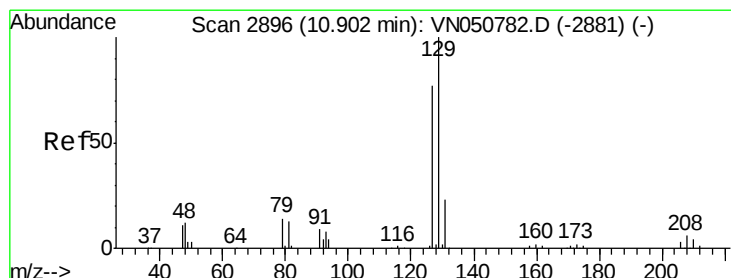
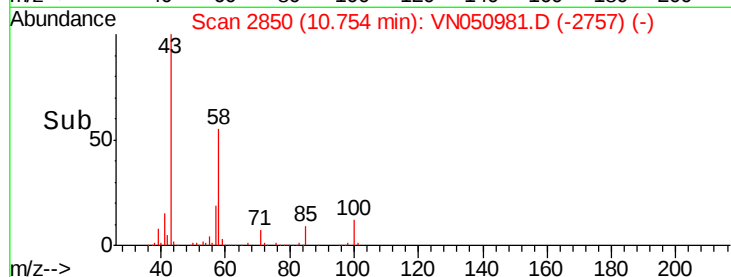
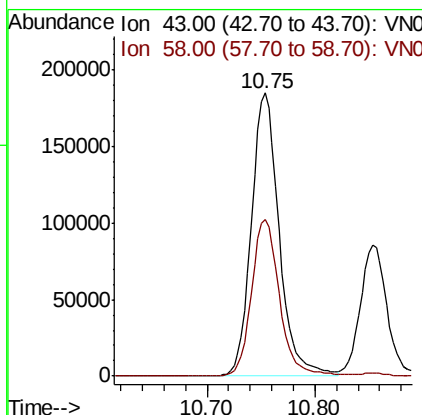
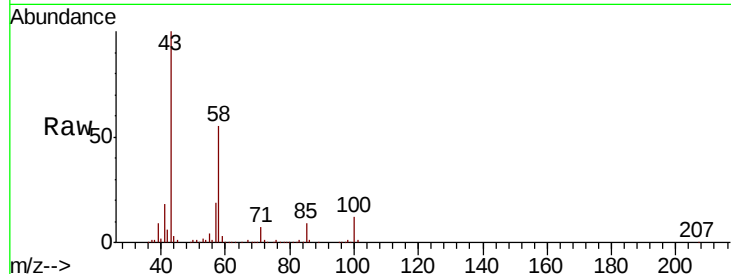




#59
2-Hexanone
Concen: 88.07 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

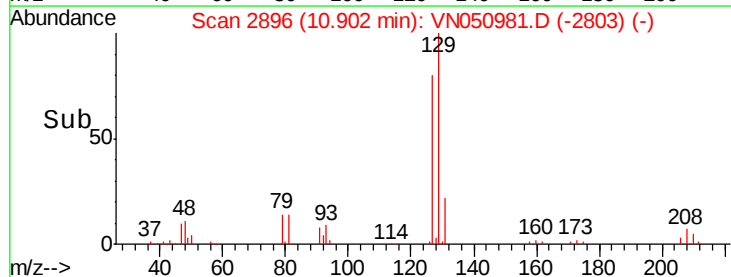
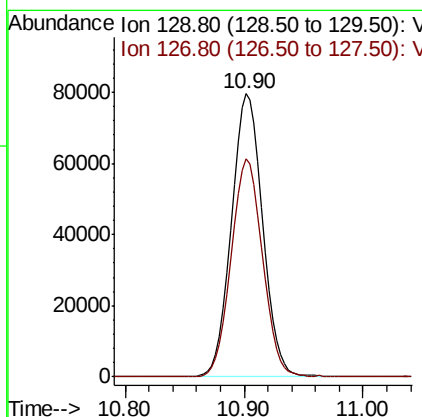
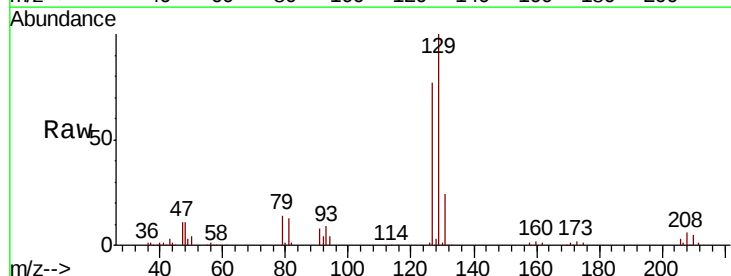
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

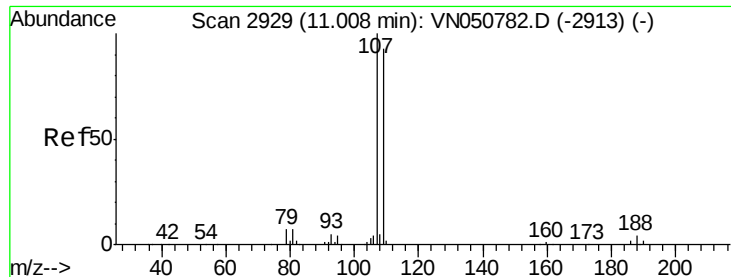
Tot Ion: 43 Resp: 329400
Ion Ratio Lower Upper
43 100
58 55.9 28.3 85.0



#60
Dibromochloromethane
Concen: 20.44 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 129 Resp: 144619
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.9

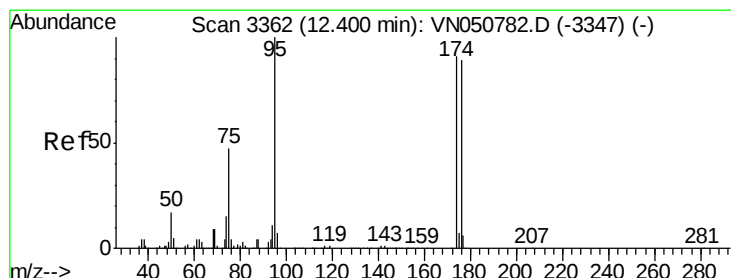
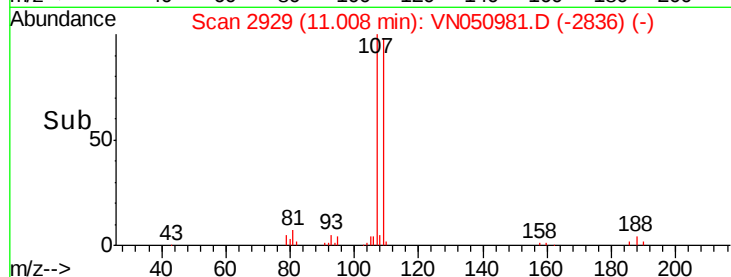
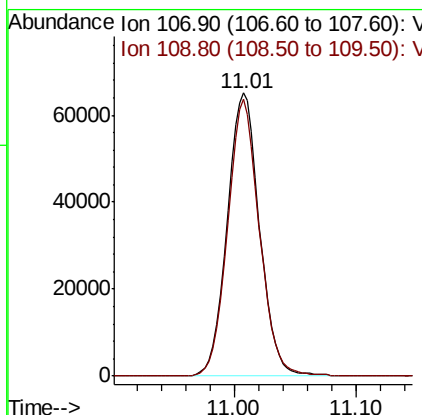
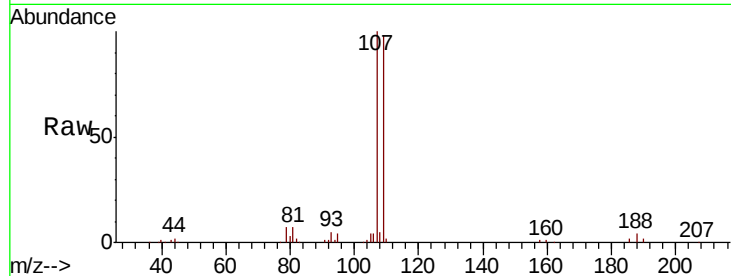




#61
 1,2-Dibromoethane
 Concen: 19.66 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

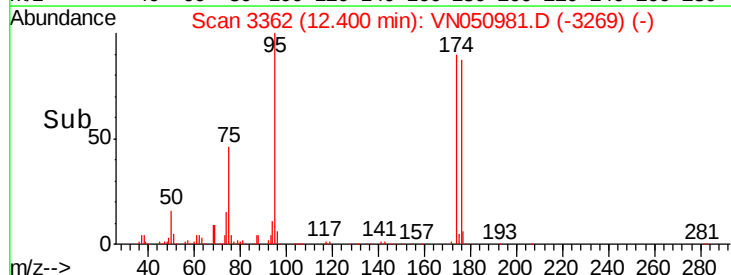
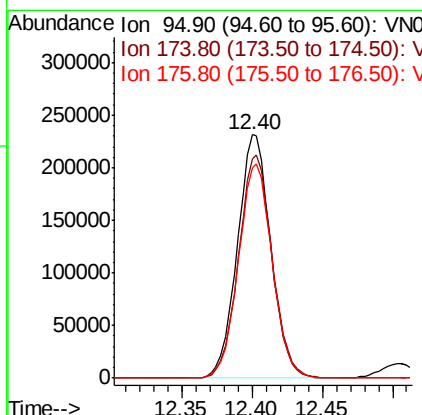
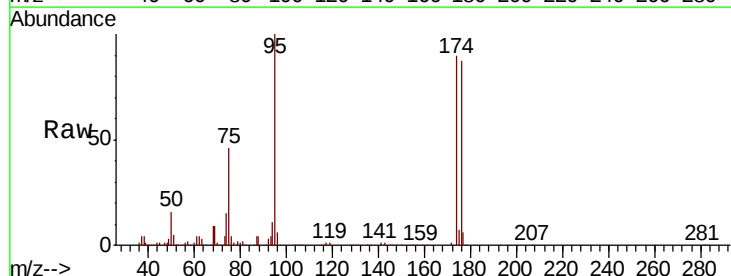
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

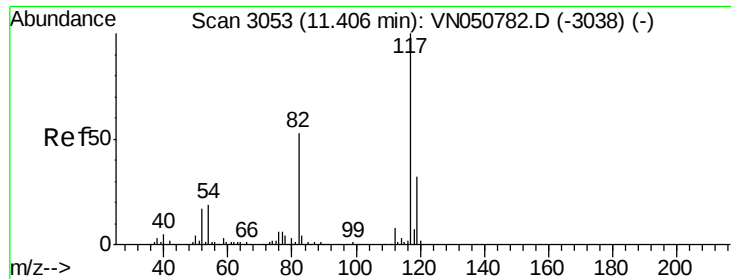
Tot Ion:107 Resp: 120122
 Ion Ratio Lower Upper
 107 100
 109 95.9 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 48.01 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion: 95 Resp: 383339
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.0
 176 88.9 0.0 178.8

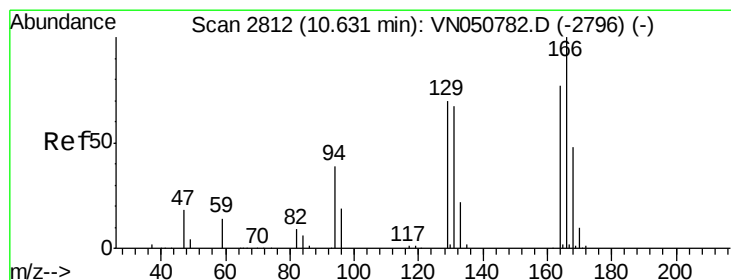
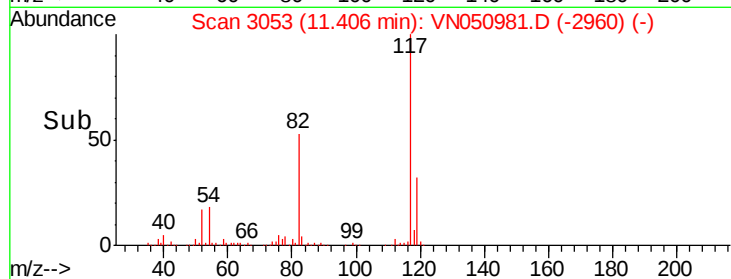
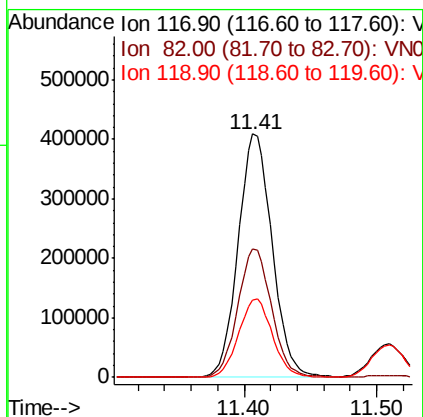
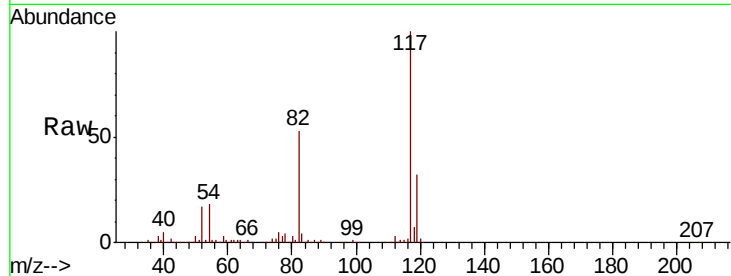




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

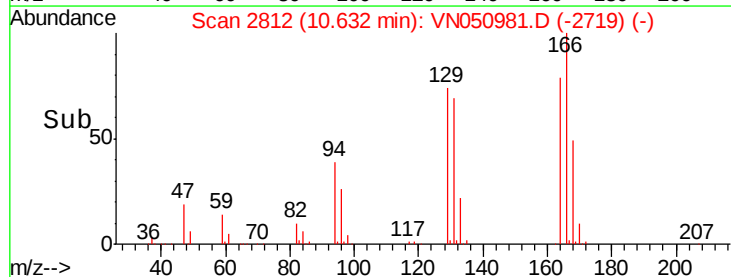
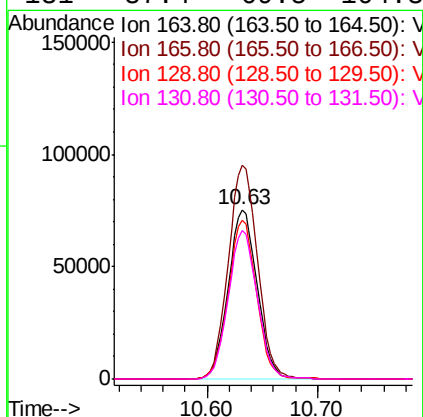
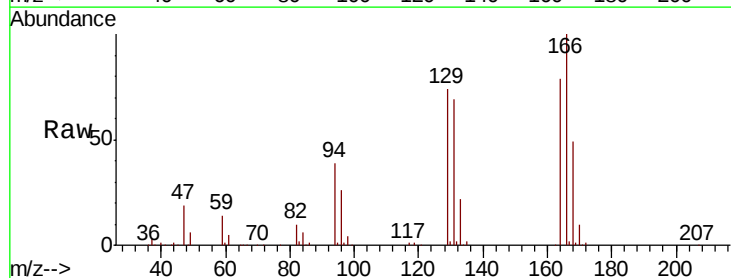
Instrument :
MSVOA_N
ClientSampled :
VN0831WBSD01

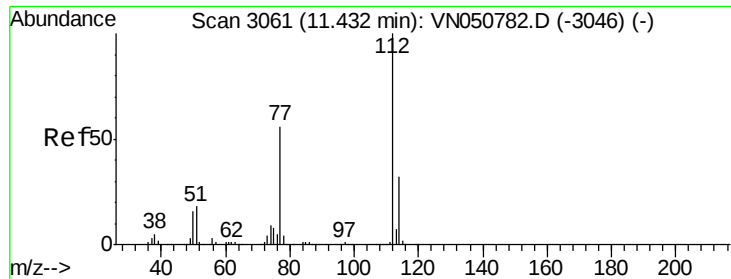
Tot Ion:117 Resp: 728722
Ion Ratio Lower Upper
117 100
82 53.0 42.6 64.0
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 19.89 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion:164 Resp: 137688
Ion Ratio Lower Upper
164 100
166 126.2 103.5 155.3
129 93.9 72.7 109.1
131 87.4 69.5 104.3

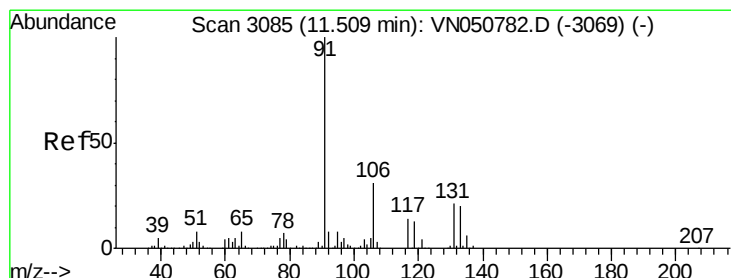
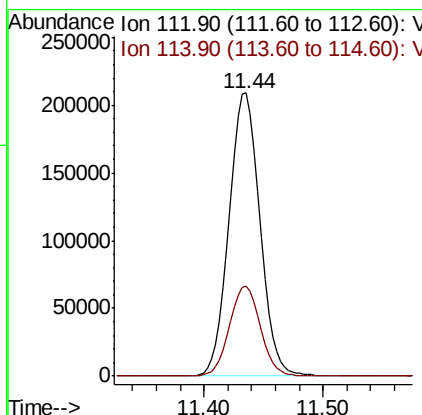
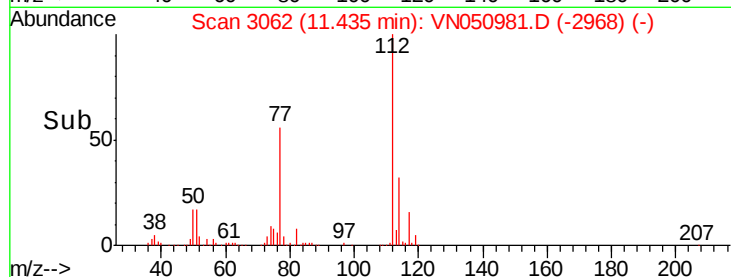
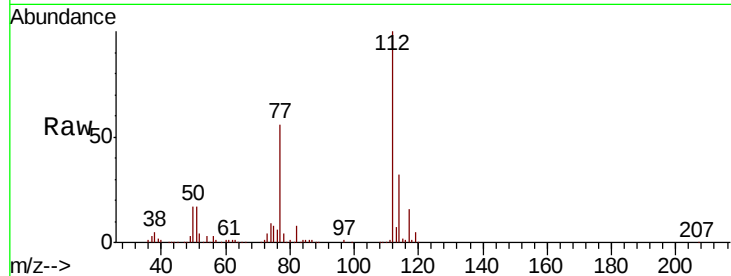




#65
Chlorobenzene
Concen: 19.81 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

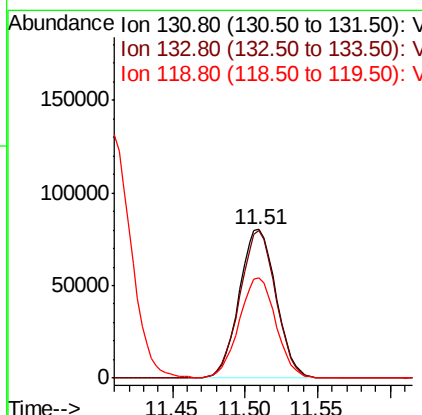
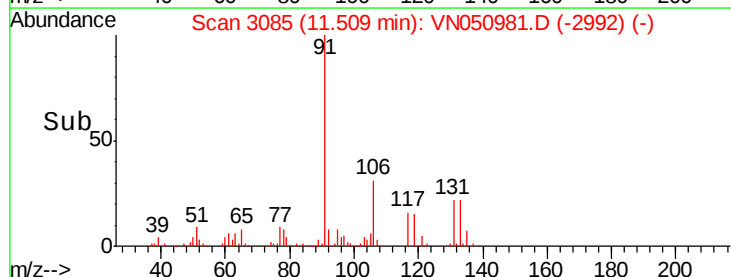
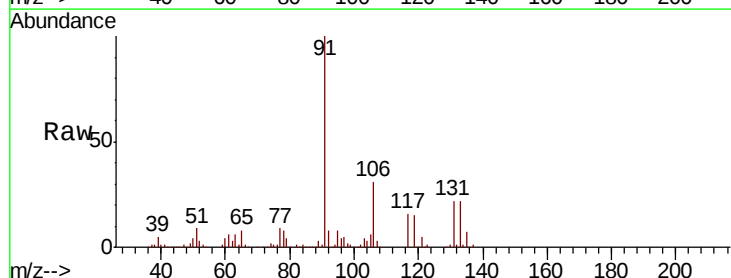
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

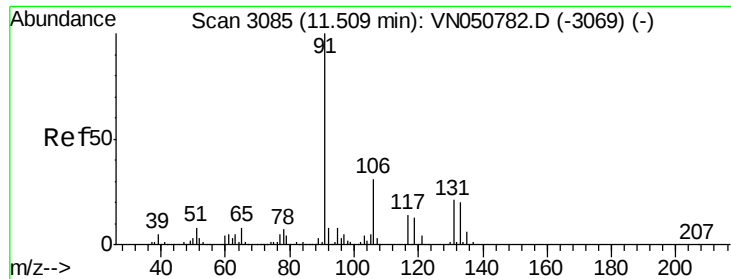
Tot Ion:112 Resp: 377405
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 20.48 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion:131 Resp: 142741
Ion Ratio Lower Upper
131 100
133 96.8 47.4 142.3
119 67.1 32.8 98.4

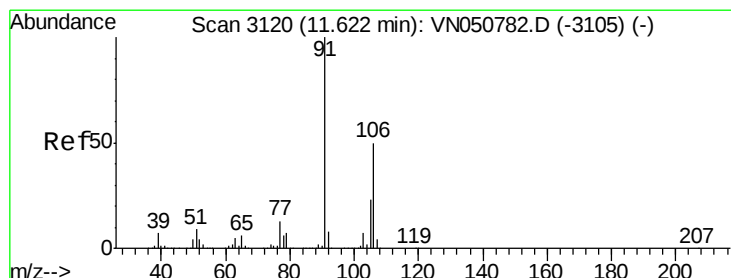
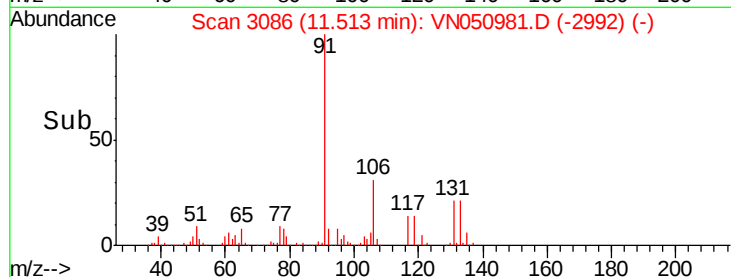
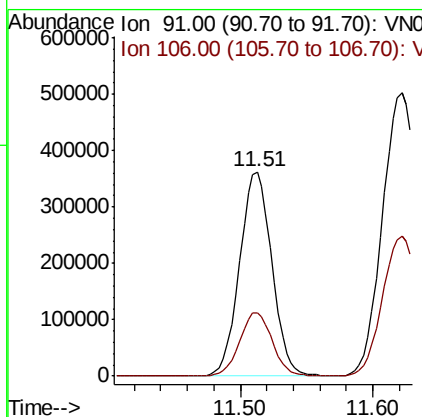
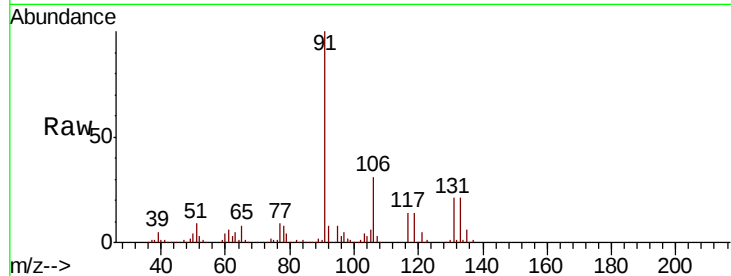




#67
Ethyl Benzene
Concen: 19.77 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

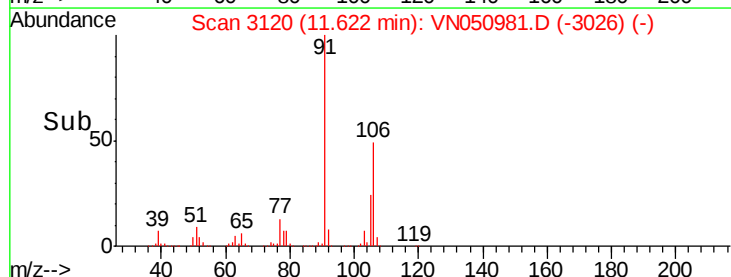
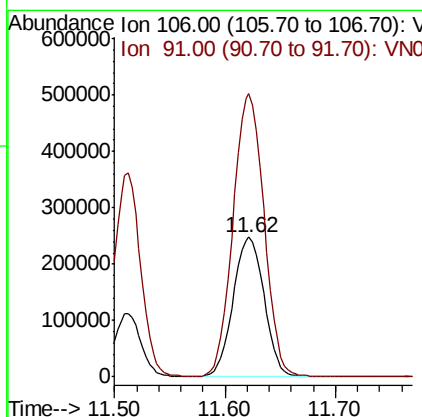
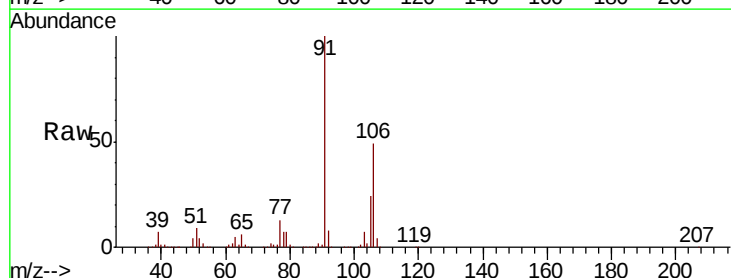
Instrument :
MSVOA_N
ClientSampleID :
VN0831WBSD01

Tot Ion: 91 Resp: 612238
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.4



#68
m/p-Xylenes
Concen: 41.24 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 106 Resp: 484715
Ion Ratio Lower Upper
106 100
91 201.7 161.0 241.6

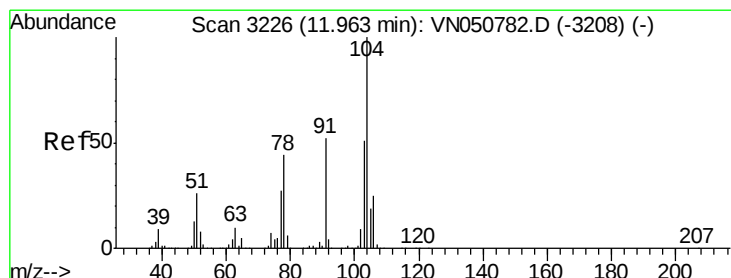
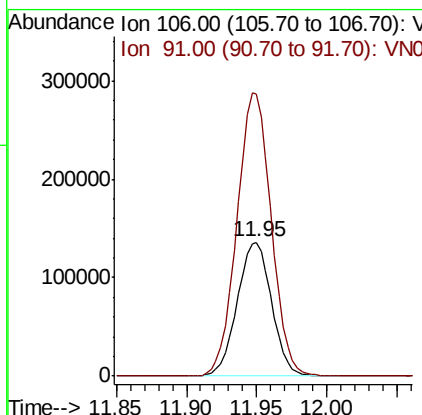
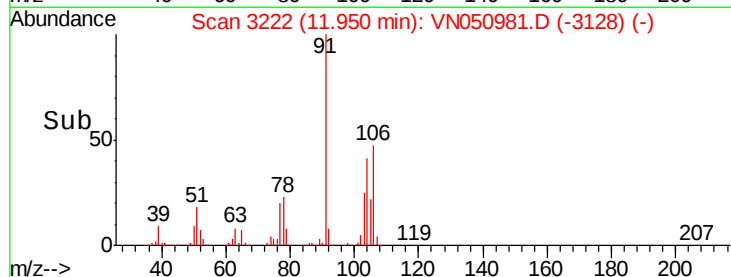
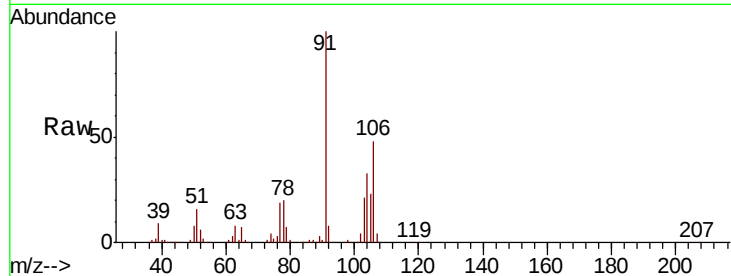




#69
o-Xylene
Concen: 20.51 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

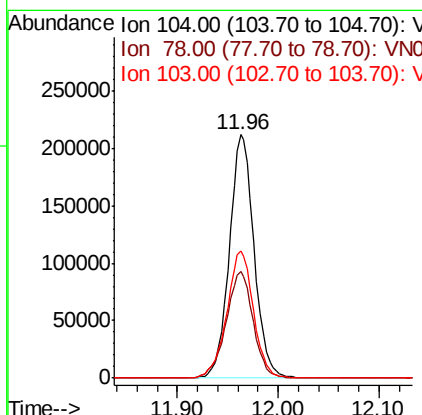
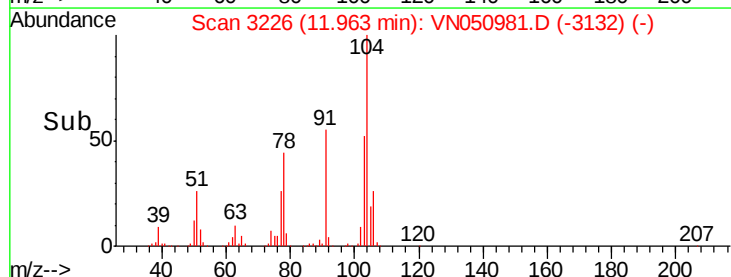
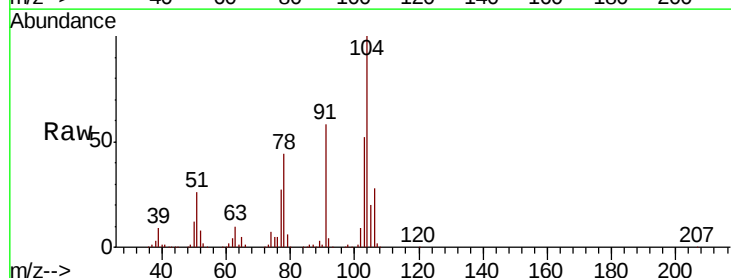
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

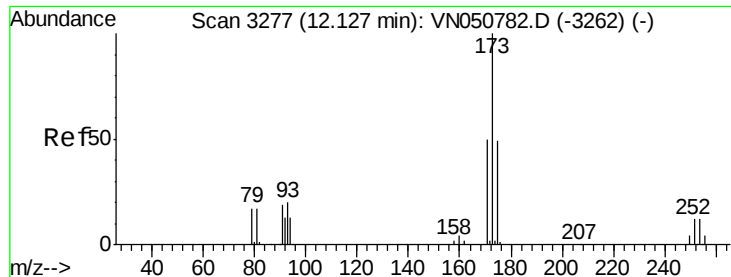
Tot Ion:106 Resp: 231713
Ion Ratio Lower Upper
106 100
91 211.8 106.5 319.5



#70
Styrene
Concen: 18.95 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion:104 Resp: 361344
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.4
103 56.3 44.4 66.6





#71

Bromoform

Concen: 20.21 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

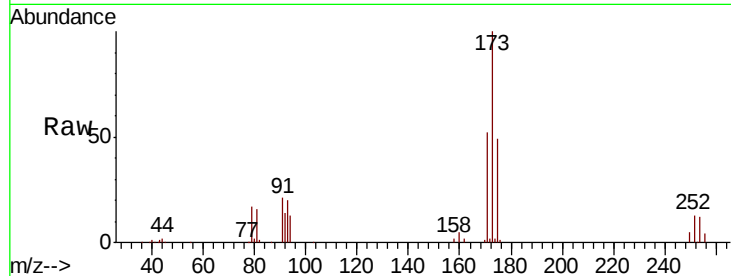
Tot Ion:173 Resp: 96879

Ion Ratio Lower Upper

173 100

175 48.5 24.4 73.4

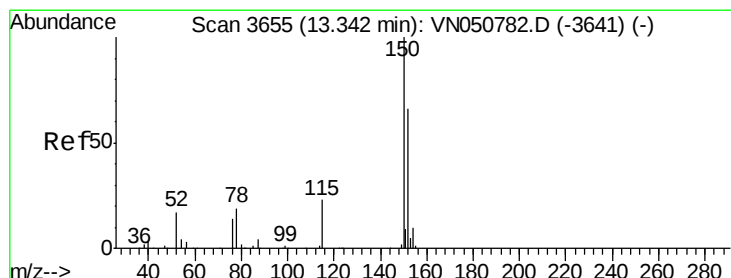
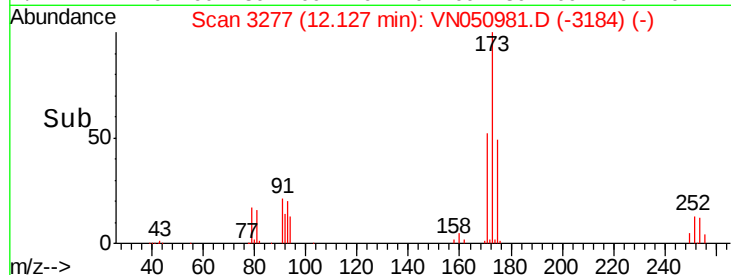
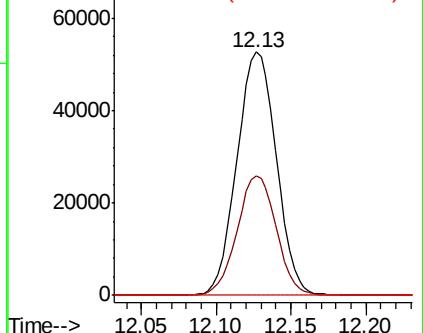
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

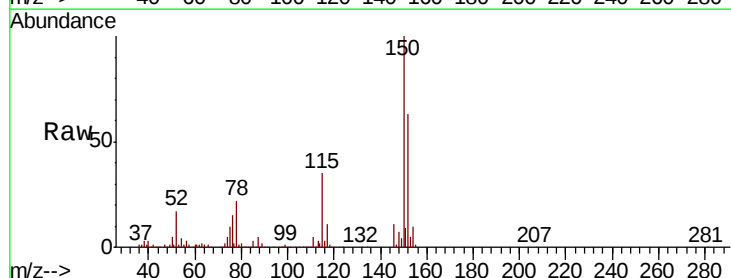
Tgt Ion:152 Resp: 341355

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.4

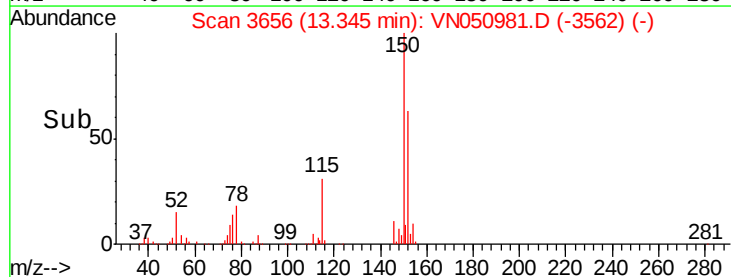
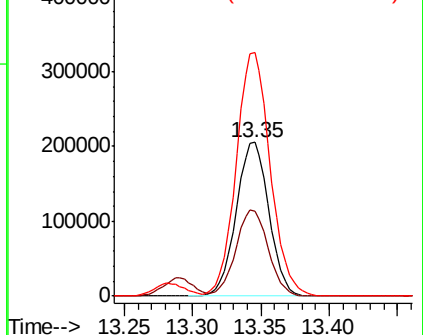
150 164.7 0.0 351.4

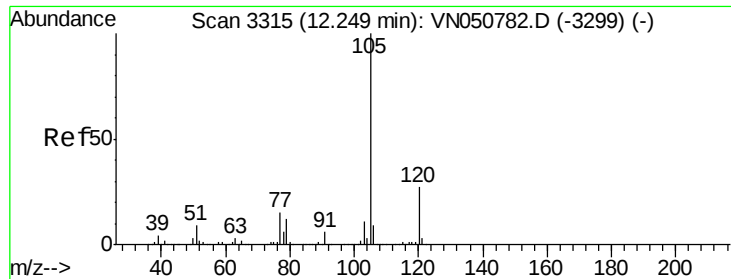


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.67 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

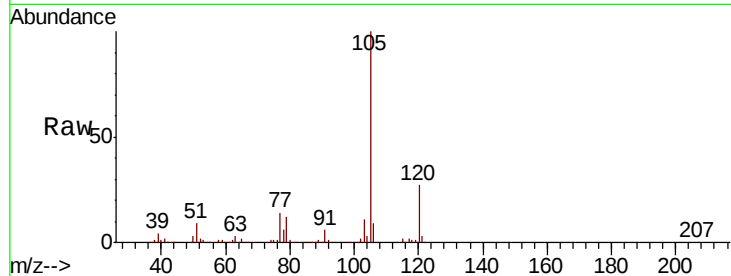
VN0831WBSD01

Tot Ion:105 Resp: 612456

Ion Ratio Lower Upper

105 100

120 26.8 13.5 40.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

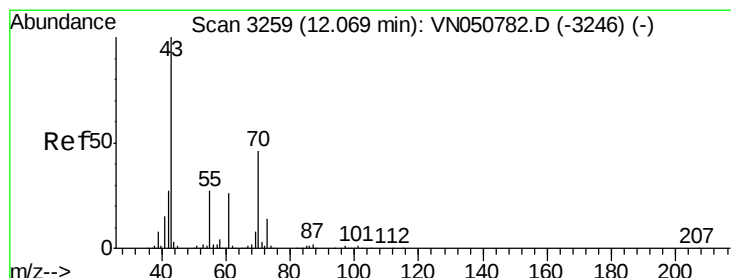
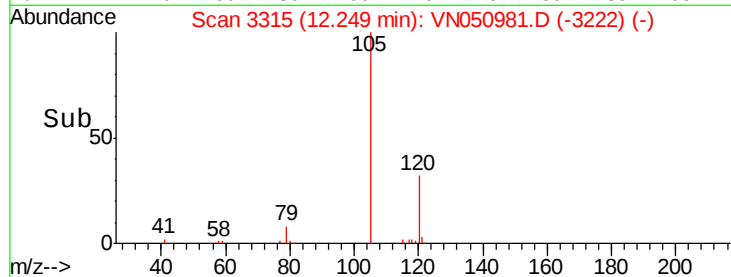
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.10 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Tgt Ion: 43 Resp: 135670

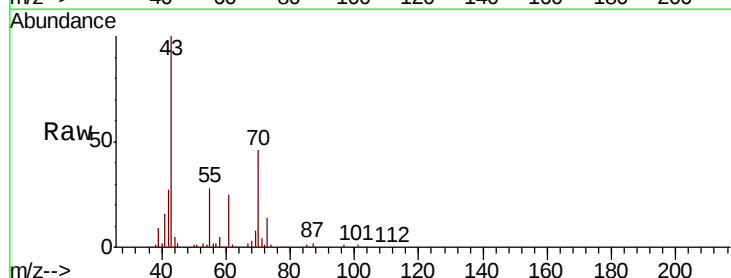
Ion Ratio Lower Upper

43 100

70 44.8 36.2 54.2

55 28.1 21.8 32.8

61 24.6 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

120000

100000

80000

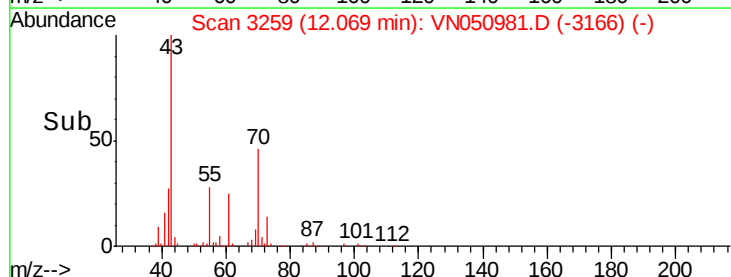
60000

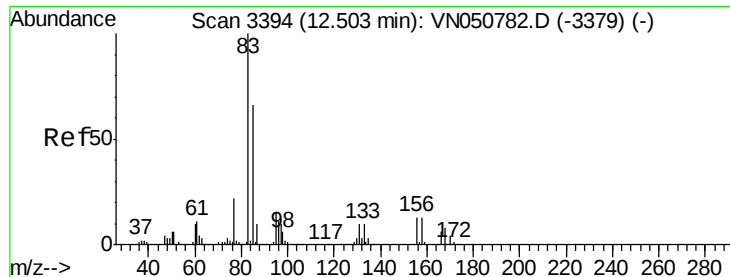
40000

20000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.15 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

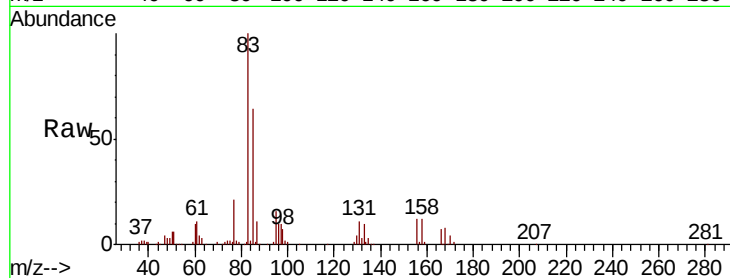
Tot Ion: 83 Resp: 155394

Ion Ratio Lower Upper

83 100

131 10.8 5.3 15.9

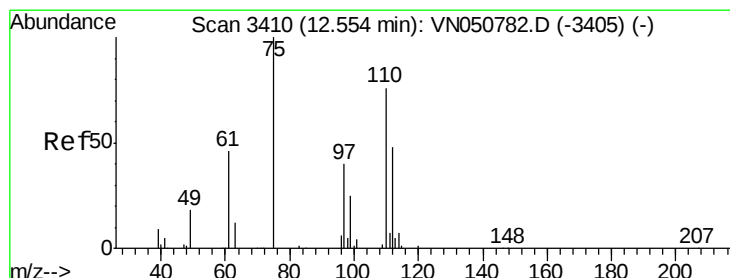
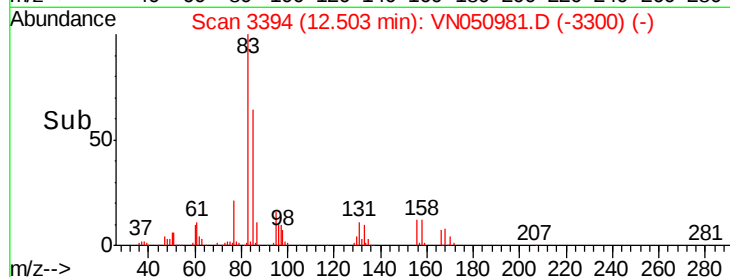
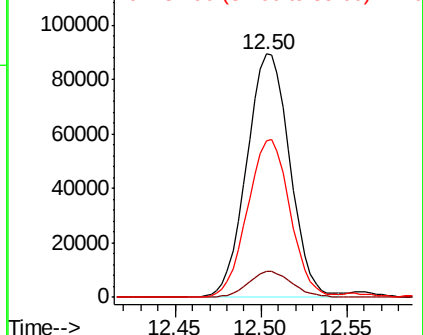
85 64.0 31.9 95.7



Abundance Ion 82.90 (82.60 to 83.60): VN050782.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN050782.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN050782.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 29.43 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050981.D

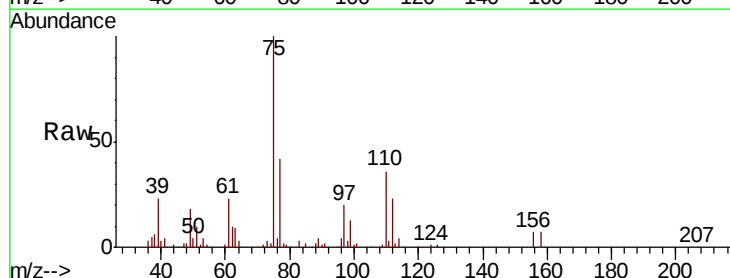
Acq: 31 Aug 2018 12:22

Tgt Ion: 75 Resp: 175986

Ion Ratio Lower Upper

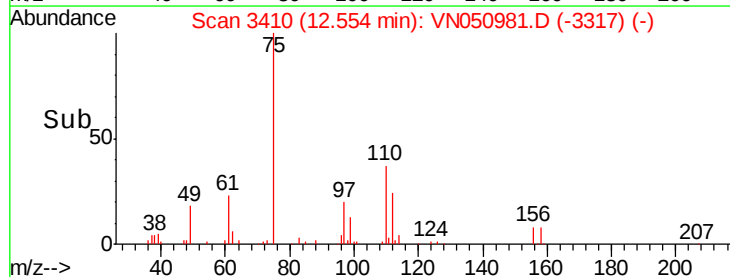
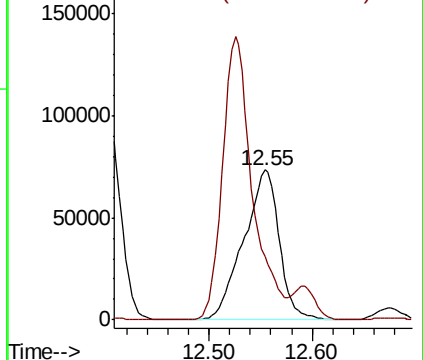
75 100

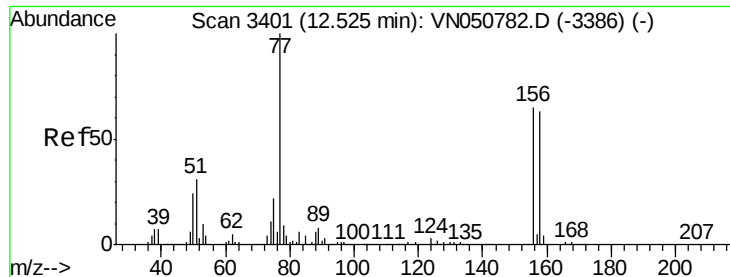
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050782.D (-3405) (-)





#77

Bromobenzene

Concen: 20.99 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

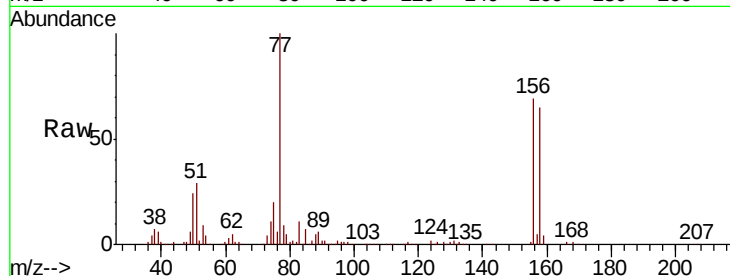
Tot Ion:156 Resp: 161231

Ion Ratio Lower Upper

156 100

77 174.1 89.9 269.7

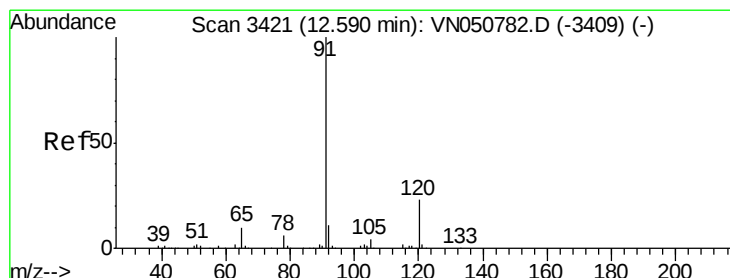
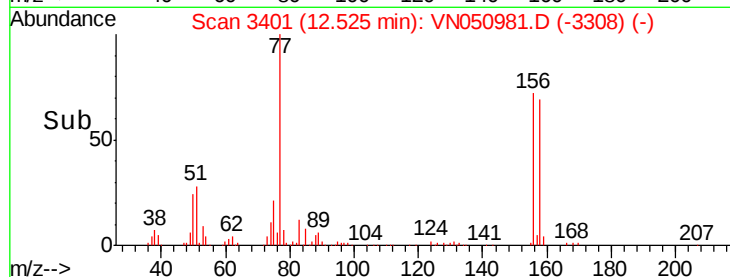
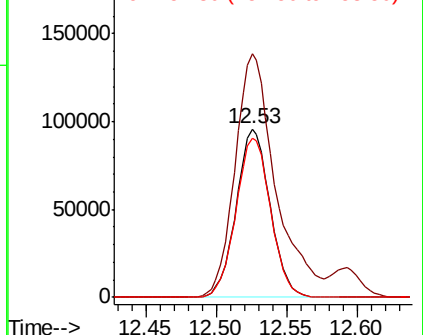
158 96.8 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.30 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN050981.D

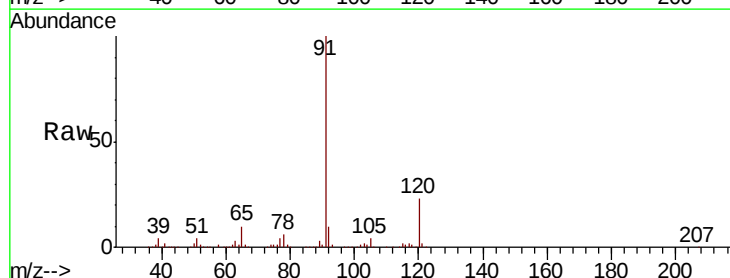
Acq: 31 Aug 2018 12:22

Tgt Ion: 91 Resp: 672582

Ion Ratio Lower Upper

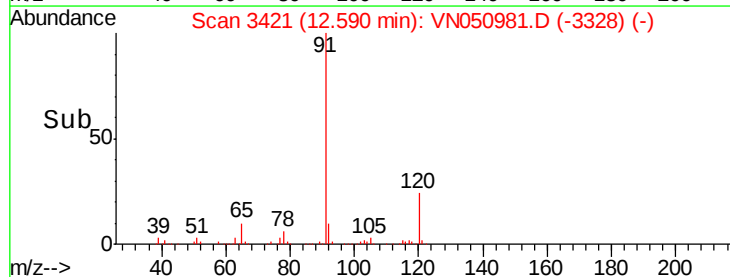
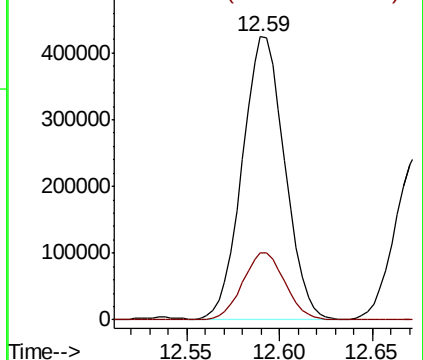
91 100

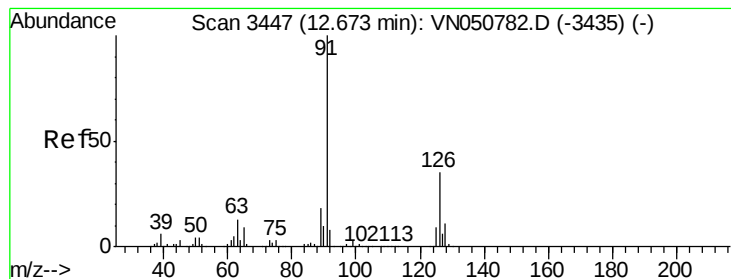
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.29 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

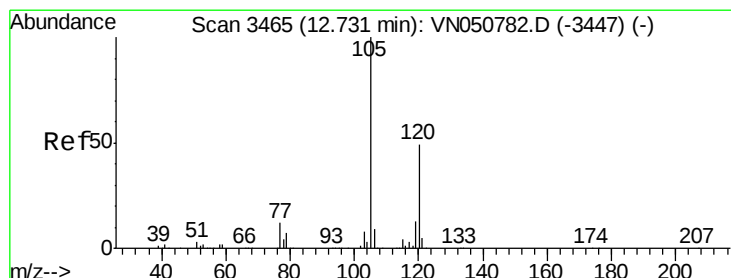
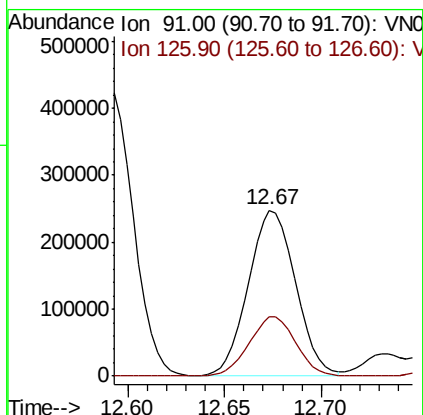
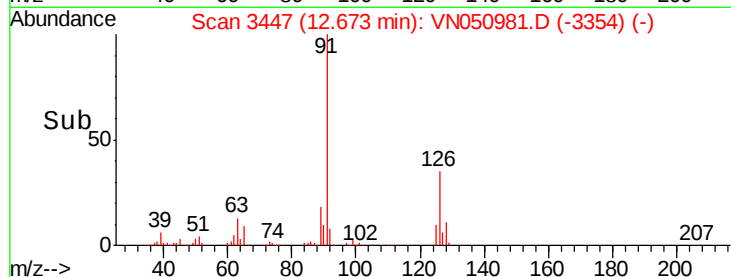
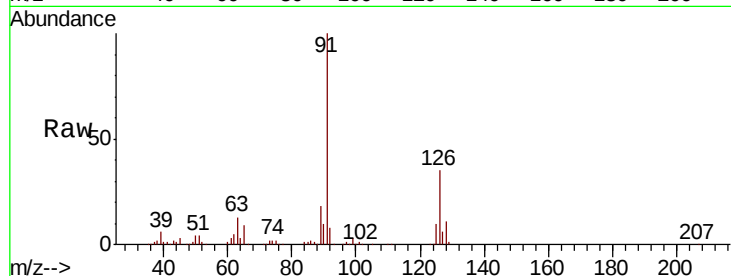
VN0831WBSD01

Tot Ion: 91 Resp: 418822

Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.3



#80

1,3,5-Trimethylbenzene

Concen: 21.83 ug/l

RT: 12.73 min Scan# 3465

Delta R.T. 0.00 min

Lab File: VN050981.D

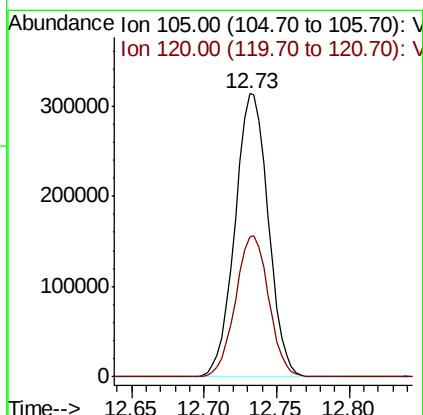
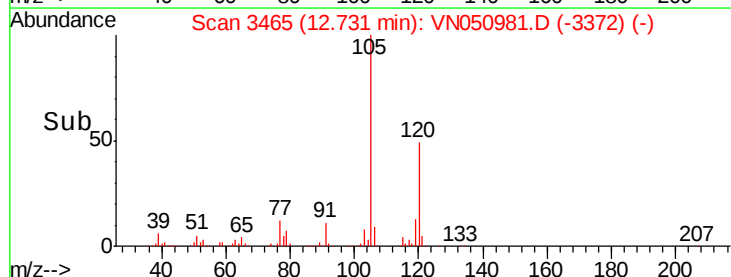
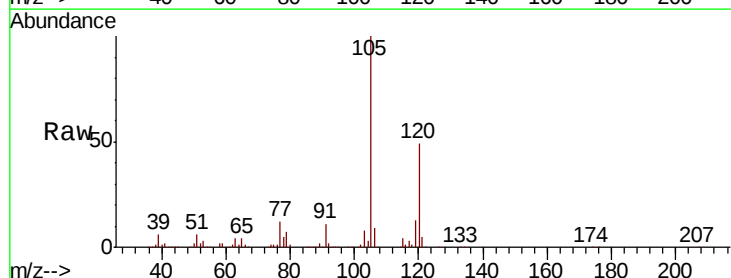
Acq: 31 Aug 2018 12:22

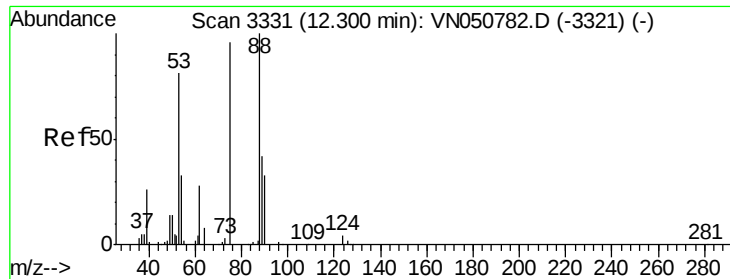
Tgt Ion:105 Resp: 497854

Ion Ratio Lower Upper

105 100

120 50.0 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.94 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampled :

VN0831WBSD01

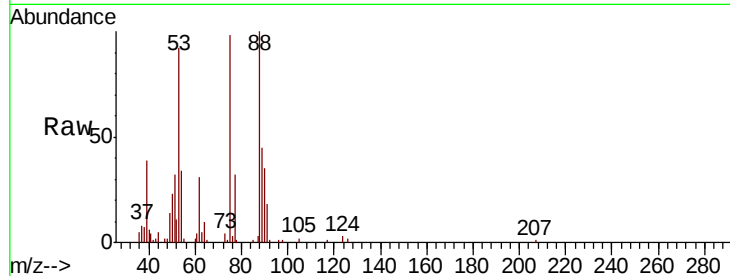
Tot Ion: 75 Resp: 33498

Ion Ratio Lower Upper

75 100

53 91.2 68.9 103.3

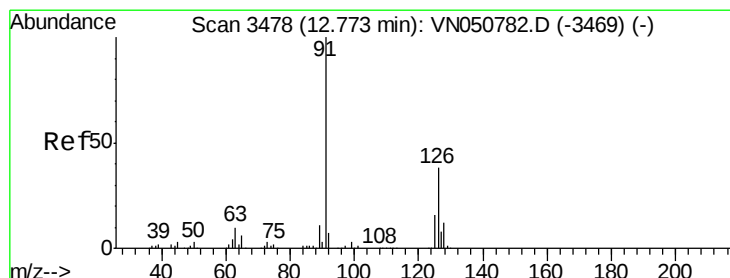
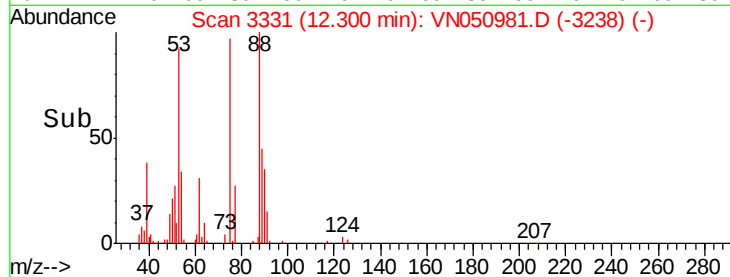
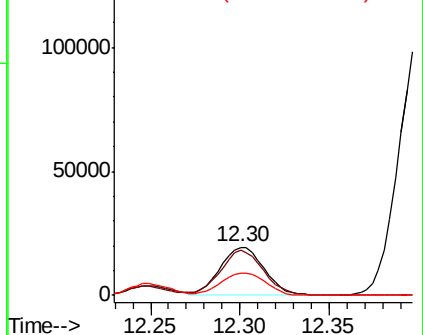
89 47.7 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.84 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050981.D

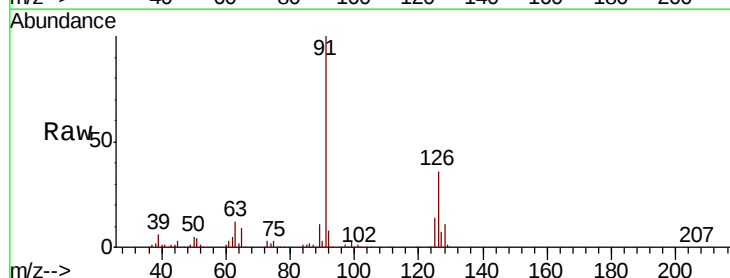
Acq: 31 Aug 2018 12:22

Tgt Ion: 91 Resp: 404698

Ion Ratio Lower Upper

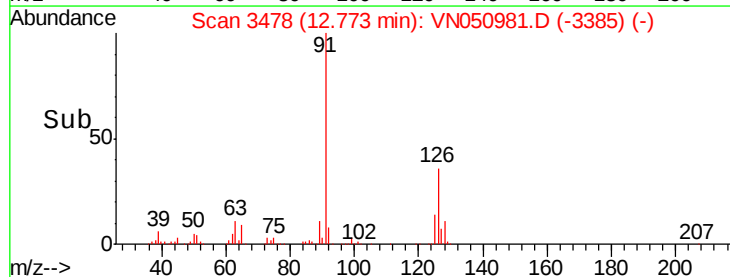
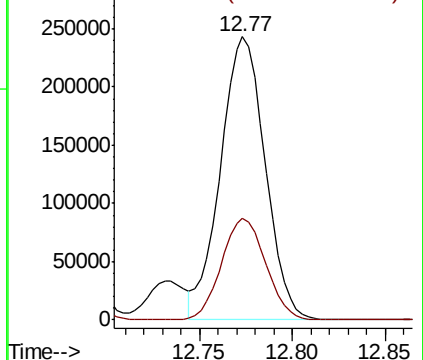
91 100

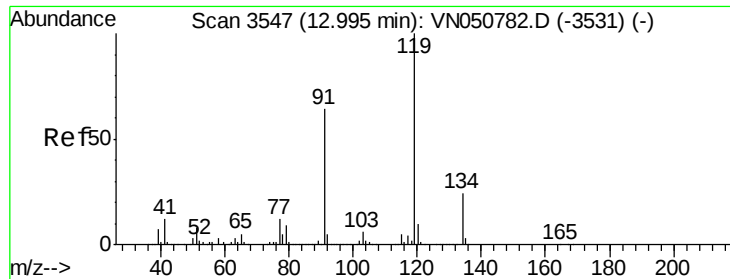
126 35.7 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

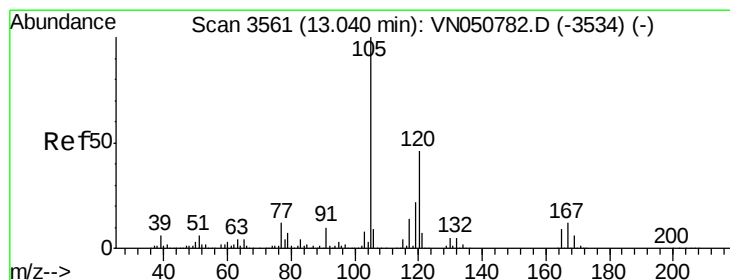
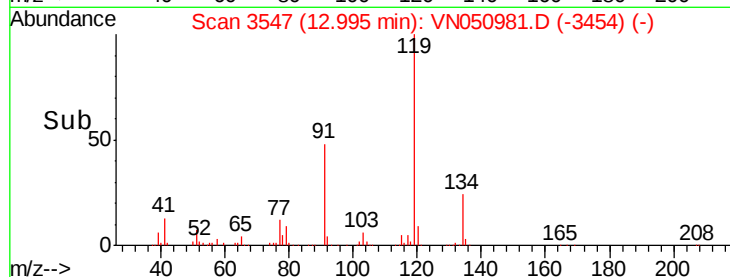
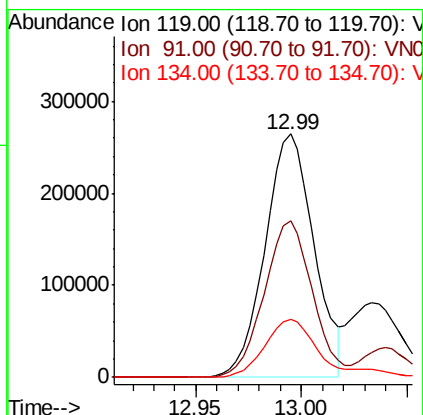
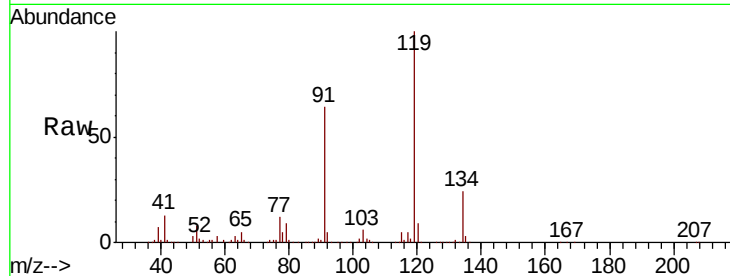




#83
 tert-Butylbenzene
 Concen: 21.65 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

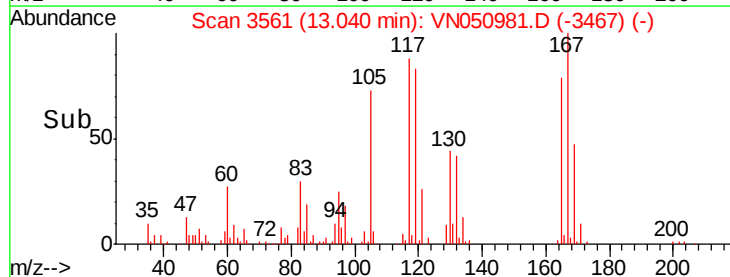
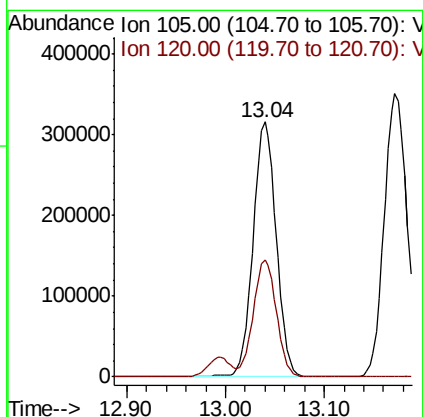
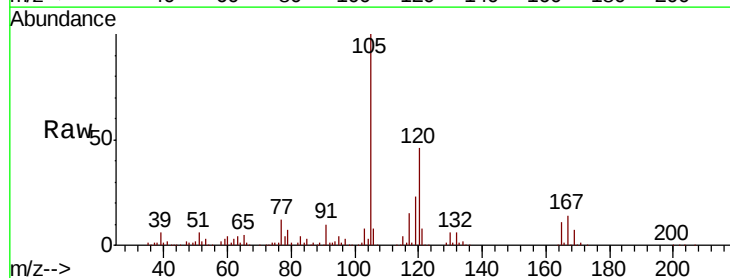
Instrument :
 MSVOA_N
 ClientSampled :
 VN0831WBSD01

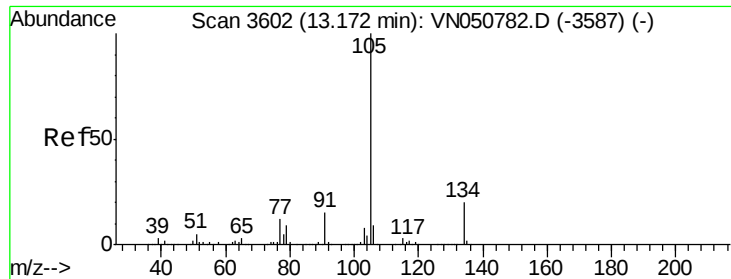
Tot Ion:119 Resp: 427680
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.6 94.7
 134 24.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 22.18 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion:105 Resp: 508913
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.9 68.8

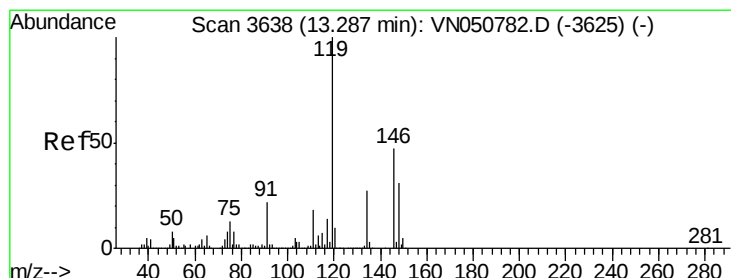
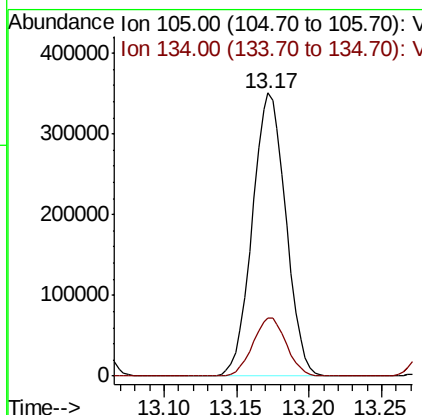
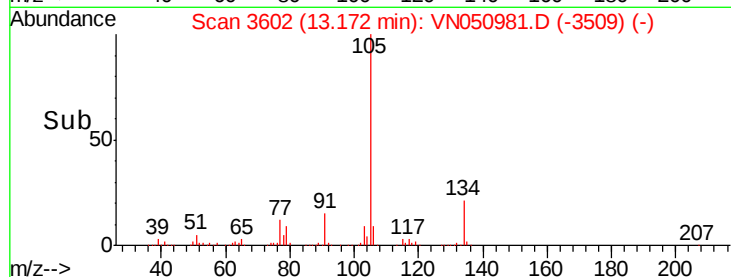
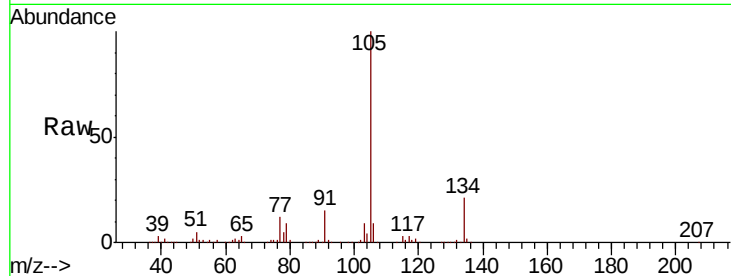




#85
 sec-Butylbenzene
 Concen: 21.74 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

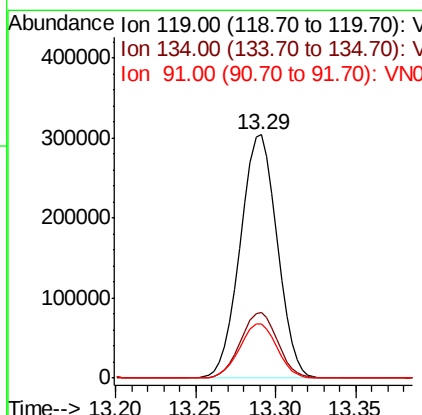
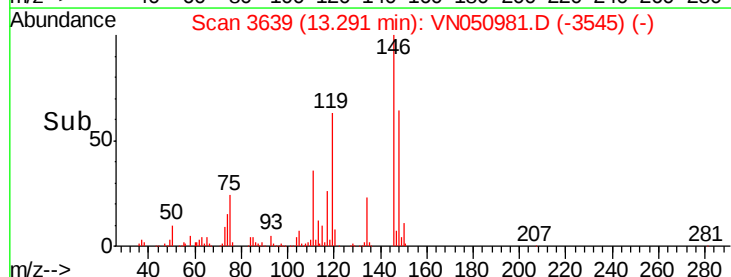
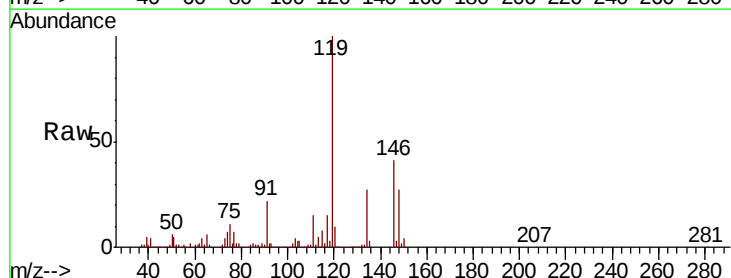
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion:105 Resp: 562705
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 21.62 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion:119 Resp: 476757
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.7 41.0
 91 22.5 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

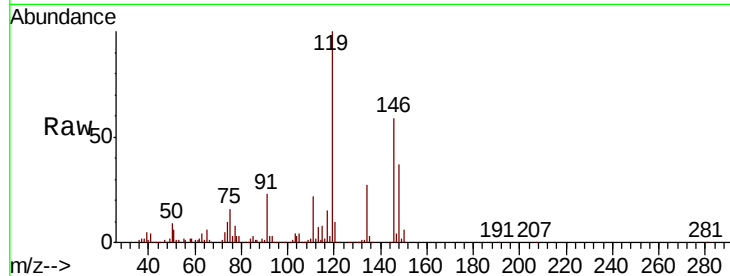
Tot Ion:146 Resp: 265111

Ion Ratio Lower Upper

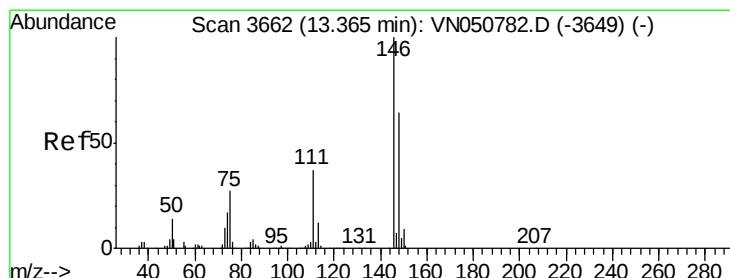
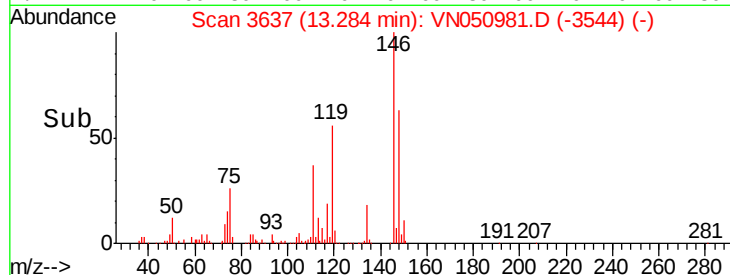
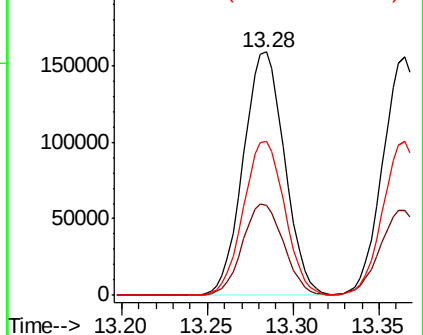
146 100

111 37.4 19.1 57.3

148 63.1 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.84 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

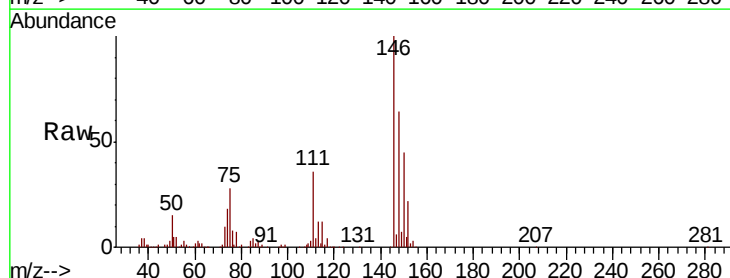
Tgt Ion:146 Resp: 254598

Ion Ratio Lower Upper

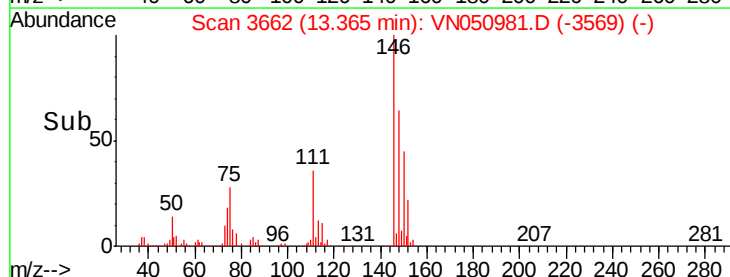
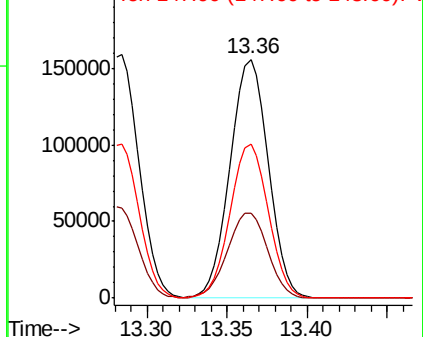
146 100

111 37.6 18.8 56.3

148 64.5 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

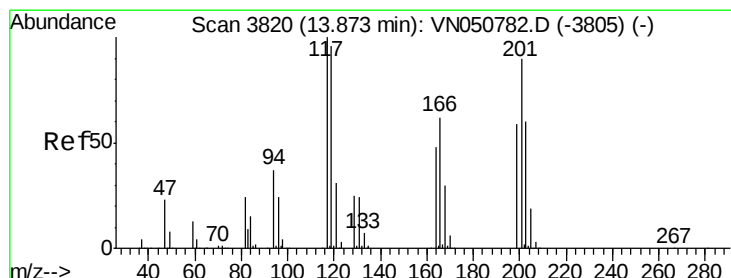
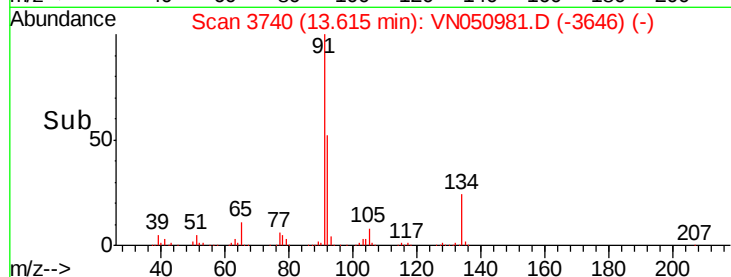
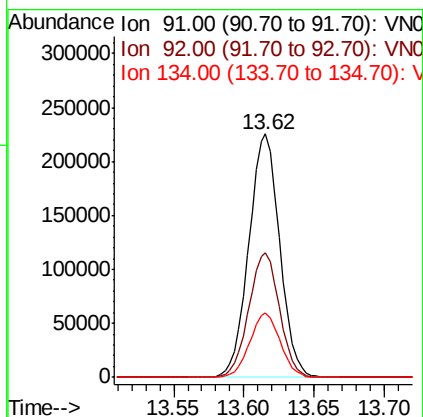
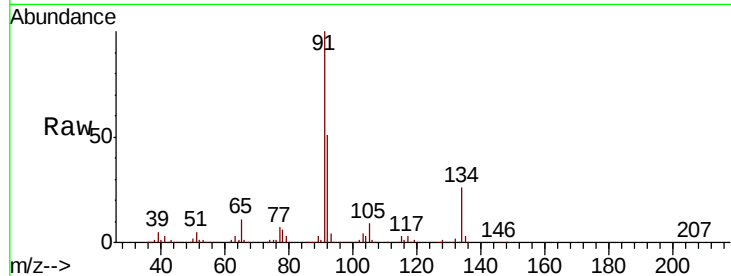




#89
n-Butylbenzene
Concen: 19.58 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

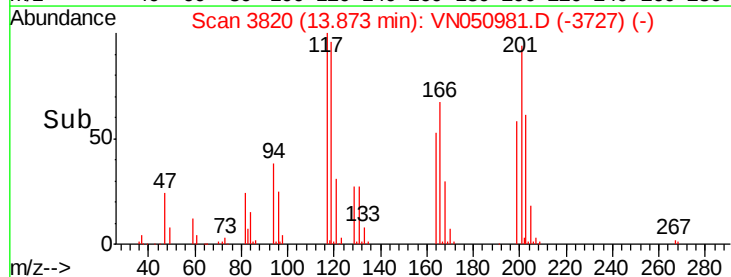
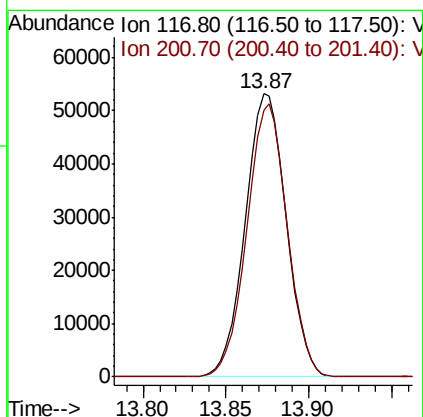
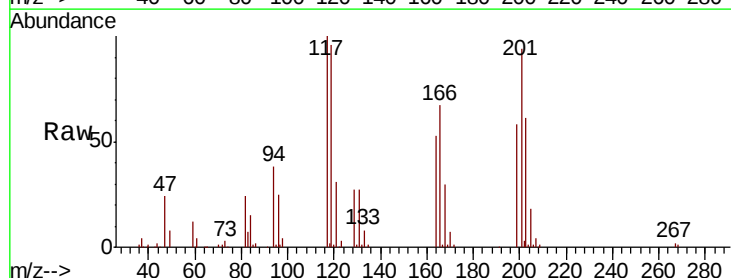
Instrument :
MSVOA_N
ClientSampleId :
VN0831WBSD01

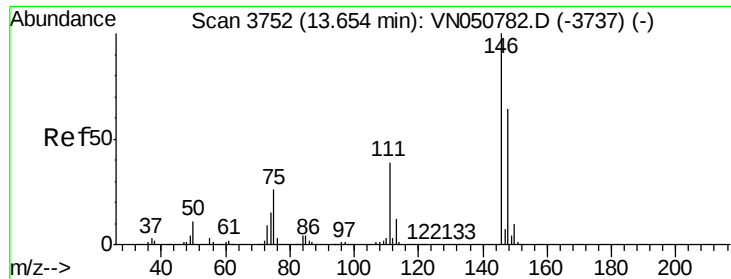
Tot Ion: 91 Resp: 345351
Ion Ratio Lower Upper
91 100
92 51.0 26.1 78.2
134 26.1 13.2 39.6



#90
Hexachloroethane
Concen: 21.93 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN050981.D
Acq: 31 Aug 2018 12:22

Tgt Ion: 117 Resp: 91736
Ion Ratio Lower Upper
117 100
201 94.4 46.0 137.8





#91

1,2-Dichlorobenzene

Concen: 20.60 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

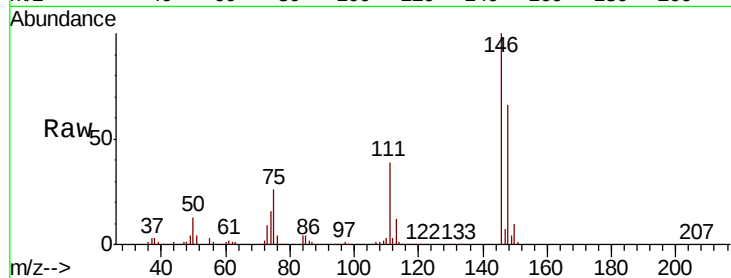
Tot Ion:146 Resp: 259095

Ion Ratio Lower Upper

146 100

111 38.7 19.8 59.3

148 64.4 32.3 96.8

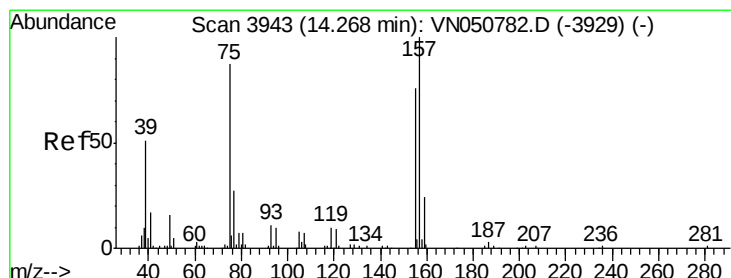
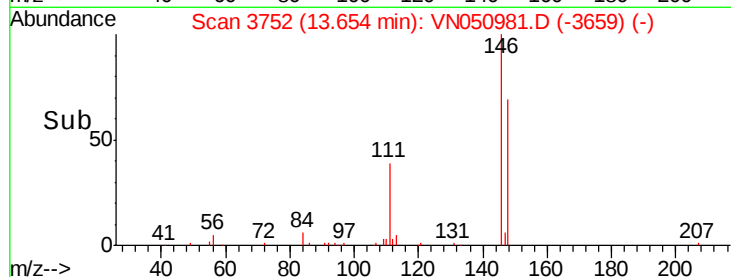
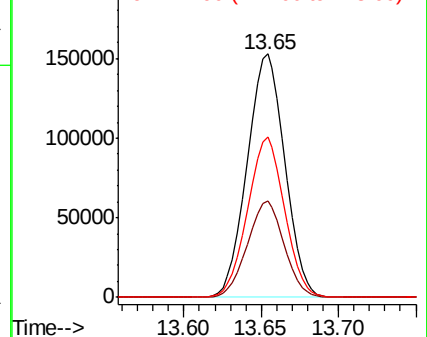


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.78 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

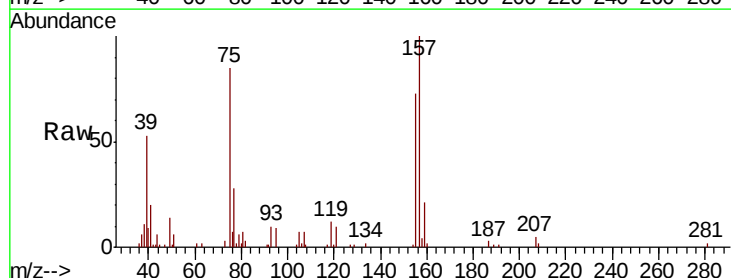
Tgt Ion: 75 Resp: 20075

Ion Ratio Lower Upper

75 100

155 92.7 46.4 139.1

157 122.1 60.7 182.0

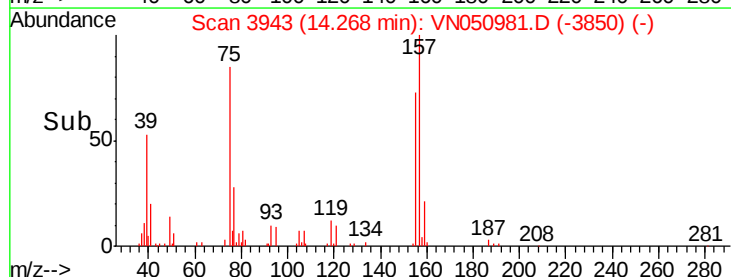
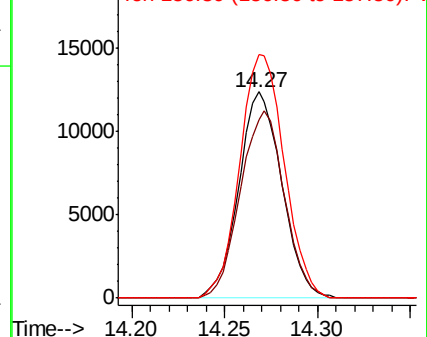


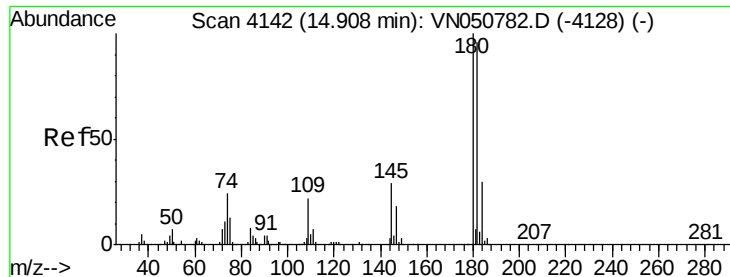
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

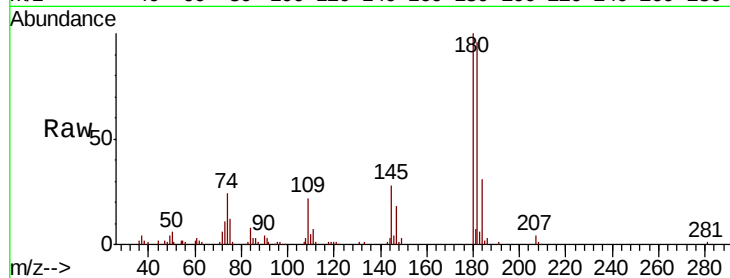




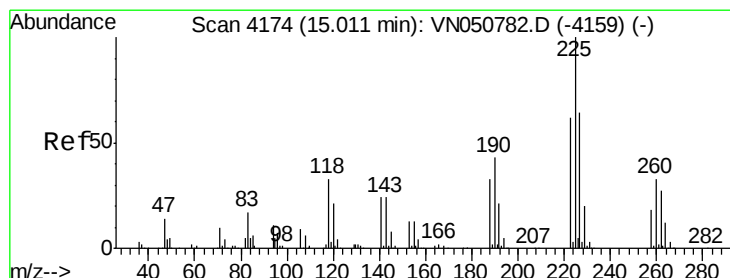
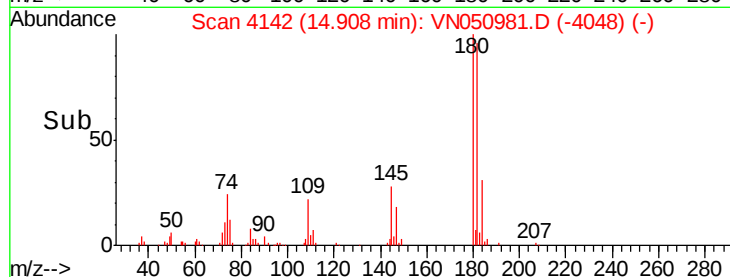
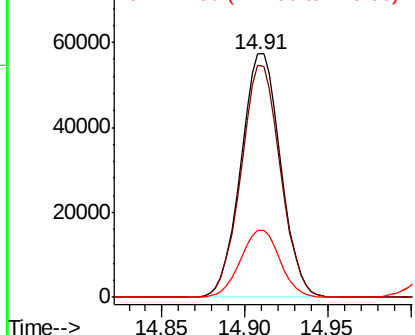
#93
 1,2,4-Trichlorobenzene
 Concen: 17.47 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0831WBSD01

Tot Ion:180 Resp: 95342
 Ion Ratio Lower Upper
 180 100
 182 94.7 48.2 144.6
 145 27.6 14.1 42.2

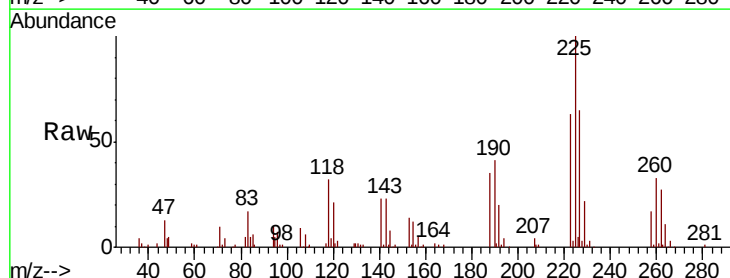


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

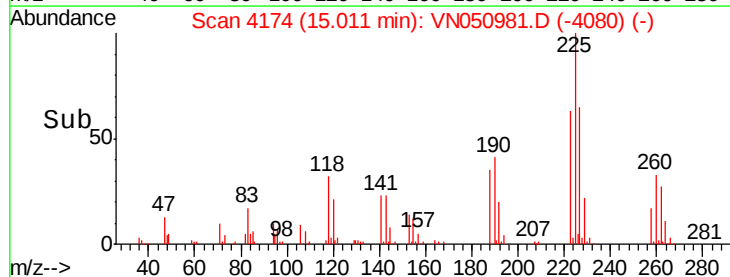
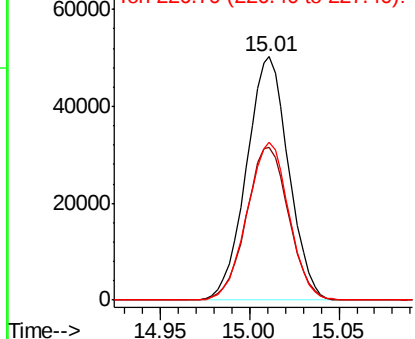


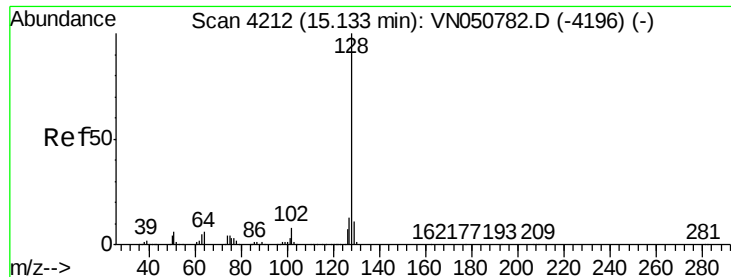
#94
 Hexachlorobutadiene
 Concen: 21.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050981.D
 Acq: 31 Aug 2018 12:22

Tgt Ion:225 Resp: 82730
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.3 93.8
 227 64.3 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 16.55 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

Instrument :

MSVOA_N

ClientSampleId :

VN0831WBSD01

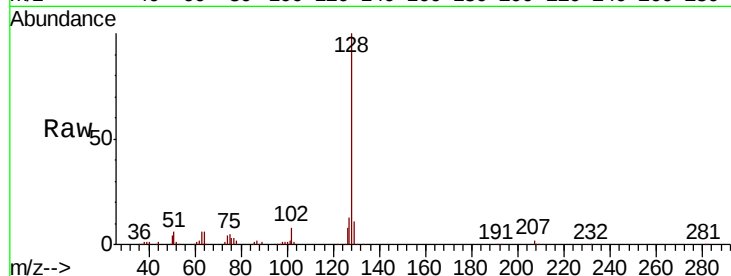
Tot Ion:128 Resp: 170431

Ion Ratio Lower Upper

128 100

127 13.6 10.5 15.7

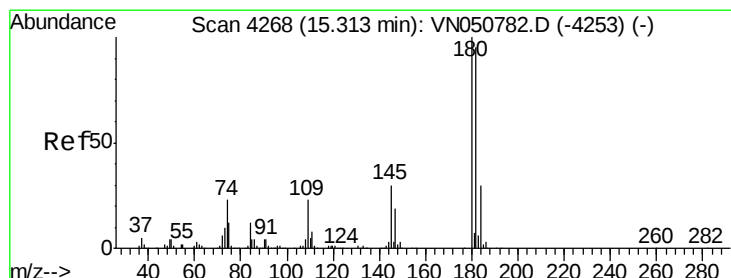
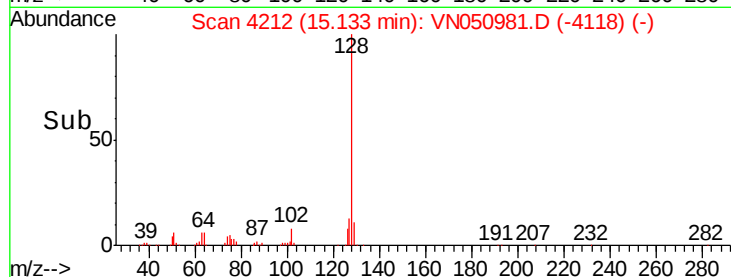
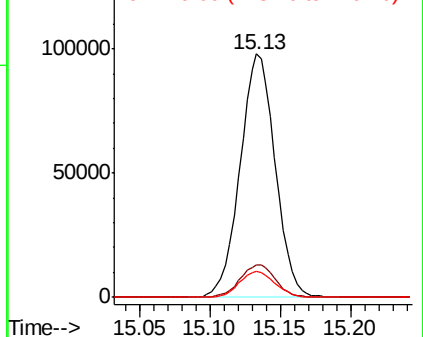
129 10.7 8.7 13.1



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



#96

1,2,3-Trichlorobenzene

Concen: 18.51 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. 0.00 min

Lab File: VN050981.D

Acq: 31 Aug 2018 12:22

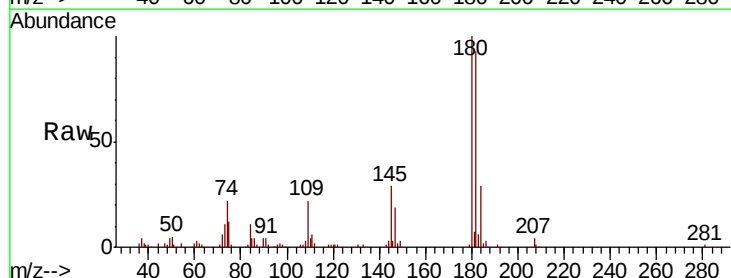
Tgt Ion:180 Resp: 99890

Ion Ratio Lower Upper

180 100

182 96.0 48.0 144.2

145 30.0 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

