

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051096.D
 Acq On : 10 Sep 2018 23:32
 Operator : MD\SY
 Sample : VN09MBSD02
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

Quant Time: Sep 11 04:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	625845	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	912291	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	817836	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	392530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	357702	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
35) Dibromofluoromethane	7.59	113	345368	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.09	98	1305518	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	414991	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	114418	18.96	ug/l	100
3) Chloromethane	2.06	50	155649	19.64	ug/l	99
4) Vinyl Chloride	2.18	62	158829	19.17	ug/l	98
5) Bromomethane	2.56	94	94500	19.62	ug/l	98
6) Chloroethane	2.70	64	95502	18.68	ug/l	100
7) Trichlorofluoromethane	3.01	101	214250	19.52	ug/l	97
8) Diethyl Ether	3.41	74	79346	19.65	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	134359	18.99	ug/l	99
10) Methyl Iodide	3.95	142	108319	20.16	ug/l	100
11) Tert butyl alcohol	4.80	59	49882	93.77	ug/l	100
12) 1,1-Dichloroethene	3.74	96	125201	18.75	ug/l	99
13) Acrolein	3.61	56	58588	105.75	ug/l	99
14) Allyl chloride	4.33	41	187460	18.43	ug/l	99
15) Acrylonitrile	5.00	53	231457	98.19	ug/l	99
16) Acetone	3.82	43	152892	84.93	ug/l	96
17) Carbon Disulfide	4.05	76	371714	18.96	ug/l	100
18) Methyl Acetate	4.33	43	105651	18.94	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	348214	19.73	ug/l	100
20) Methylene Chloride	4.55	84	144064	18.73	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	133556	18.44	ug/l	97
22) Diisopropyl ether	5.95	45	414046	20.51	ug/l	100
23) Vinyl Acetate	5.90	43	1348931	98.73	ug/l	100
24) 1,1-Dichloroethane	5.85	63	249660	19.49	ug/l	99
25) 2-Butanone	6.84	43	249948	91.28	ug/l	99
26) 2,2-Dichloropropane	6.82	77	167577	15.98	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	153078	19.27	ug/l	96
28) Bromochloromethane	7.20	49	110217	19.33	ug/l	99
29) Tetrahydrofuran	7.21	42	174461	102.02	ug/l	99
30) Chloroform	7.37	83	249436	19.57	ug/l	100
31) Cyclohexane	7.66	56	222674	19.36	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	212802	19.60	ug/l	99
36) 1,1-Dichloropropene	7.79	75	188816	18.85	ug/l	99
37) Ethyl Acetate	6.93	43	116018	20.00	ug/l	99
38) Carbon Tetrachloride	7.78	117	188748	19.15	ug/l	99

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 Data File : VN051096.D
 Acq On : 10 Sep 2018 23:32
 Operator : MD\SY
 Sample : VN09MBSD02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

Quant Time: Sep 11 04:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	201224	18.21	µg/l	99
40) Benzene	8.04	78	588375	19.49	µg/l	100
41) Methacrylonitrile	7.21	41	165586	55.32	µg/l #	13
42) 1,2-Dichloroethane	8.13	62	172973	19.66	µg/l	98
43) Isopropyl Acetate	8.17	43	200501	19.59	µg/l	100
44) Trichloroethene	8.84	130	155291	18.81	µg/l	100
45) 1,2-Dichloropropane	9.12	63	152383	19.54	µg/l	100
46) Dibromomethane	9.21	93	90358	18.99	µg/l	99
47) Bromodichloromethane	9.40	83	188245	19.46	µg/l	99
48) Methyl methacrylate	9.20	41	99000	19.85	µg/l	97
49) 1,4-Dioxane	9.20	88	29621	378.69	µg/l	98
51) 4-Methyl-2-Pentanone	9.99	43	568673	100.47	µg/l	100
52) Toluene	10.16	92	359227	19.52	µg/l	99
53) t-1,3-Dichloropropene	10.38	75	177870	18.37	µg/l	99
54) cis-1,3-Dichloropropene	9.84	75	210834	18.57	µg/l	100
55) 1,1,2-Trichloroethane	10.56	97	131550	19.68	µg/l	99
56) Ethyl methacrylate	10.43	69	158769	19.28	µg/l	98
57) 1,3-Dichloropropane	10.71	76	217734	19.64	µg/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	328347	96.98	µg/l	100
59) 2-Hexanone	10.75	43	363338	94.65	µg/l	99
60) Dibromochloromethane	10.90	129	146054	19.38	µg/l	99
61) 1,2-Dibromoethane	11.01	107	126883	19.42	µg/l	99
64) Tetrachloroethene	10.63	164	144400	19.35	µg/l	98
65) Chlorobenzene	11.43	112	386664	18.76	µg/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	144531	19.47	µg/l	99
67) Ethyl Benzene	11.51	91	638214	19.12	µg/l	99
68) m/p-Xylenes	11.62	106	504938	39.36	µg/l	100
69) o-Xylene	11.95	106	241366	19.43	µg/l	99
70) Styrene	11.96	104	378204	19.63	µg/l	99
71) Bromoform	12.13	173	102009	19.52	µg/l #	99
73) Isopropylbenzene	12.25	105	631697	19.19	µg/l	99
74) N-amyl acetate	12.07	43	153115	18.48	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	165662	21.01	µg/l	100
76) 1,2,3-Trichloropropane	12.55	75	186681	30.08	µg/l #	100
77) Bromobenzene	12.53	156	164973	18.66	µg/l	99
78) n-propylbenzene	12.59	91	689734	19.06	µg/l	99
79) 2-Chlorotoluene	12.67	91	425682	18.82	µg/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	520419	19.55	µg/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37711	18.25	µg/l	98
82) 4-Chlorotoluene	12.77	91	420771	18.74	µg/l	100
83) tert-Butylbenzene	12.99	119	447170	19.03	µg/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	520497	19.89	µg/l	100
85) sec-Butylbenzene	13.17	105	577549	19.17	µg/l	99
86) p-Isopropyltoluene	13.29	119	498067	19.49	µg/l	100
87) 1,3-Dichlorobenzene	13.28	146	274345	18.29	µg/l	100
88) 1,4-Dichlorobenzene	13.36	146	264190	19.19	µg/l	99
89) n-Butylbenzene	13.62	91	355649	17.89	µg/l	98
90) Hexachloroethane	13.87	117	93018	19.62	µg/l	99
91) 1,2-Dichlorobenzene	13.65	146	273118	18.68	µg/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22196	20.14	µg/l	100

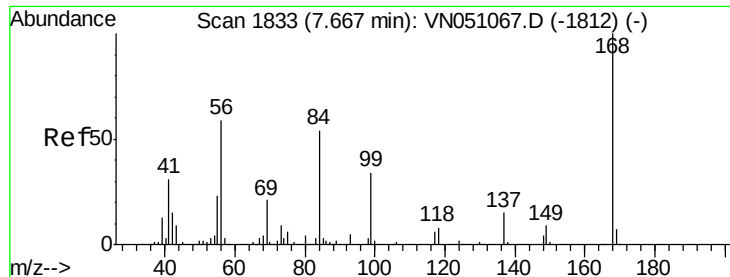
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
Data File : VN051096.D
Acq On : 10 Sep 2018 23:32
Operator : MD\SY
Sample : VN09MBS02
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBS02

Quant Time: Sep 11 04:36:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101658	17.23	ug/l	98
94) Hexachlorobutadiene	15.01	225	85140	18.89	ug/l	99
95) Naphthalene	15.13	128	201777	17.55	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	111852	18.55	ug/l	100

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

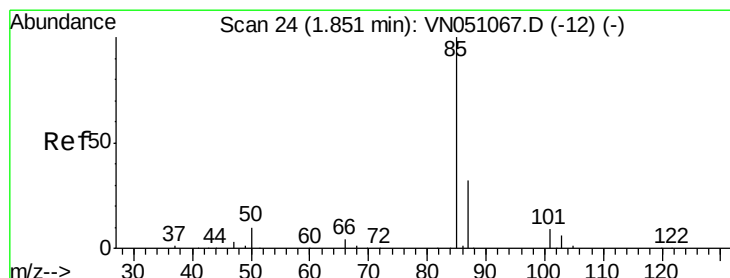
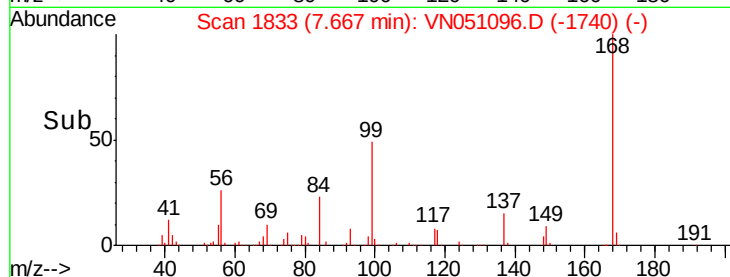
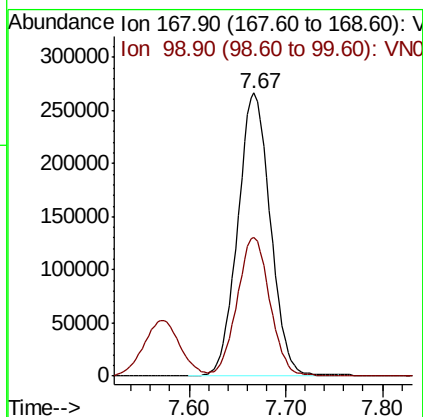
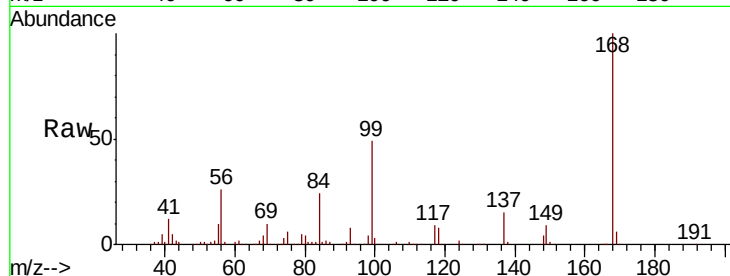


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

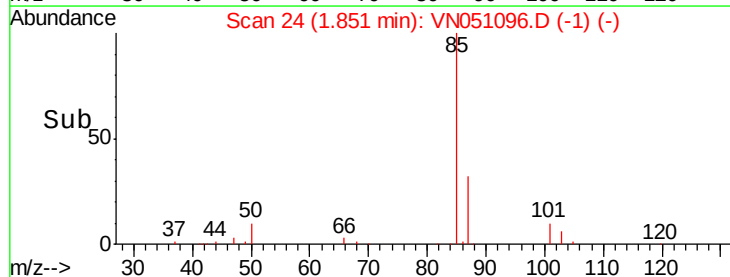
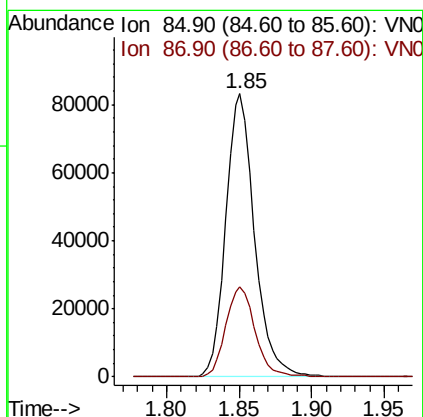
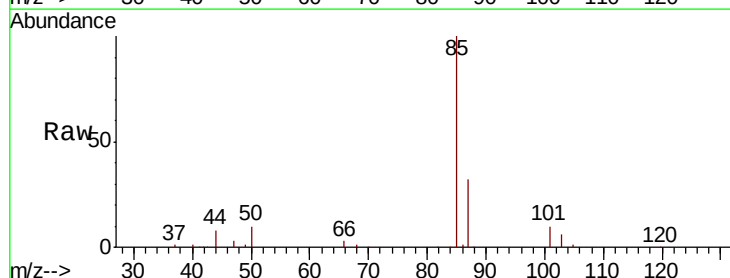
Tot Ion:168 Resp: 625845
 Ion Ratio Lower Upper
 168 100
 99 48.9 38.3 57.5

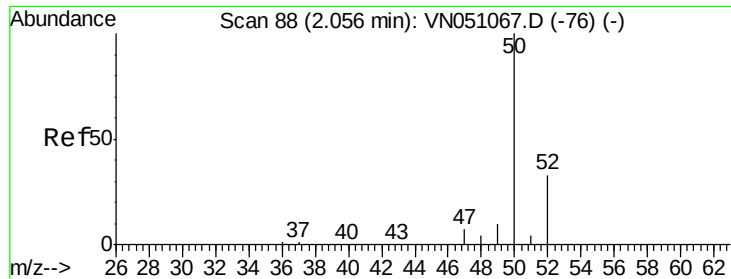


#2

Dichlorodifluoromethane
 Concen: 18.96 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 85 Resp: 114418
 Ion Ratio Lower Upper
 85 100
 87 31.8 15.9 47.6





#3

Chloromethane

Concen: 19.64 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampled :

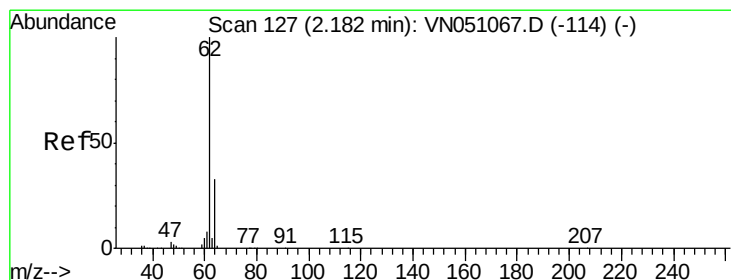
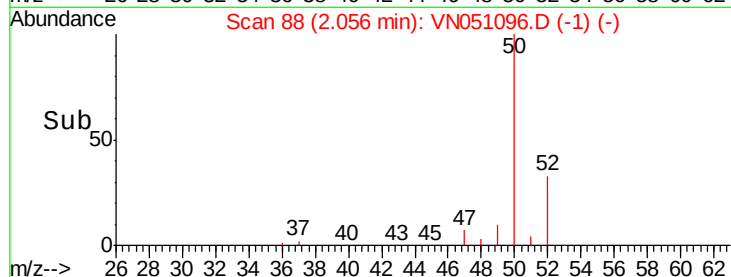
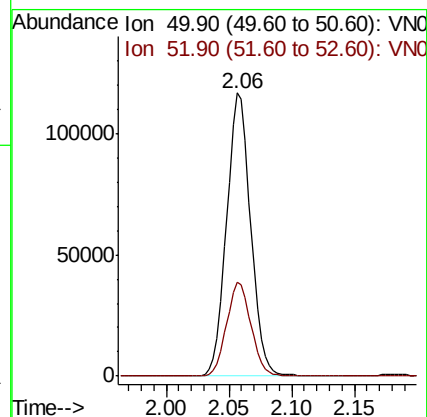
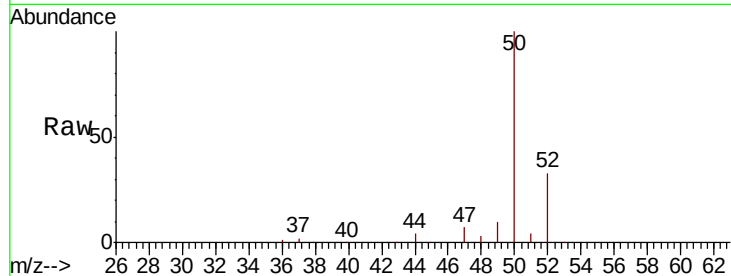
VN0910MBSD02

Tot Ion: 50 Resp: 155649

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0



#4

Vinyl Chloride

Concen: 19.17 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN051096.D

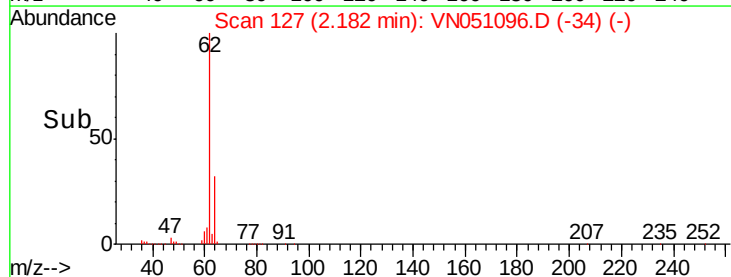
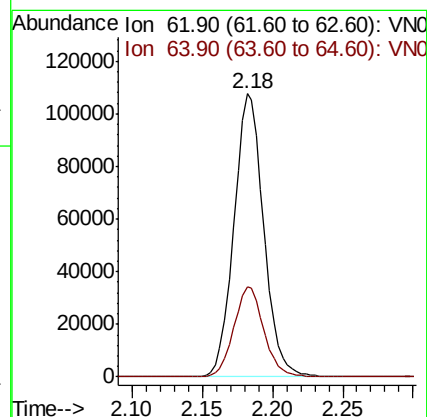
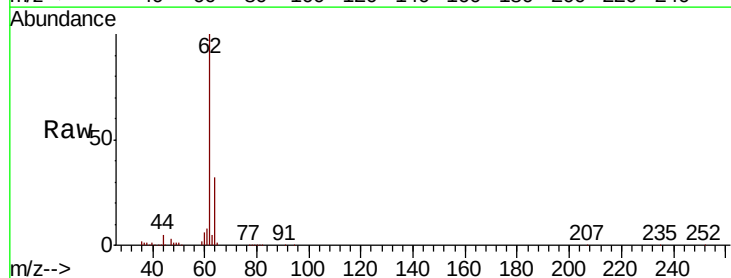
Acq: 10 Sep 2018 23:32

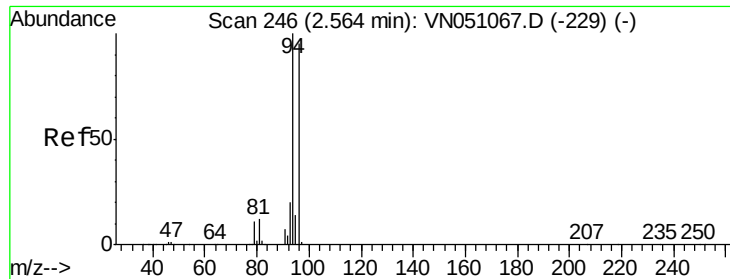
Tgt Ion: 62 Resp: 158829

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.4





#5

Bromomethane

Concen: 19.62 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

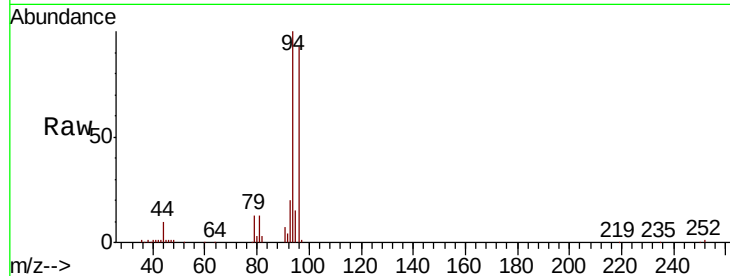
VN0910MBSD02

Tot Ion: 94 Resp: 94500

Ion Ratio Lower Upper

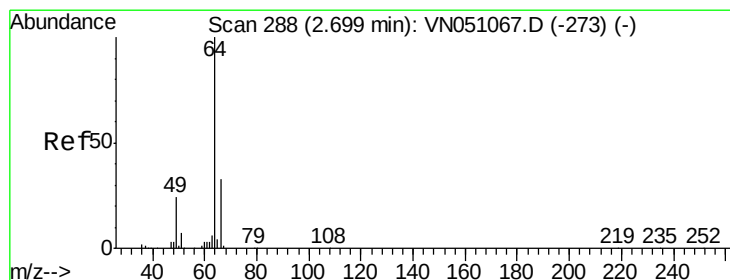
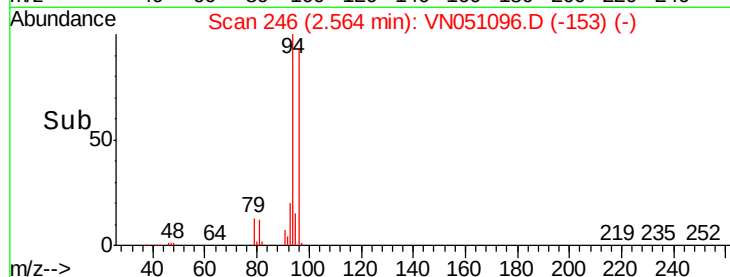
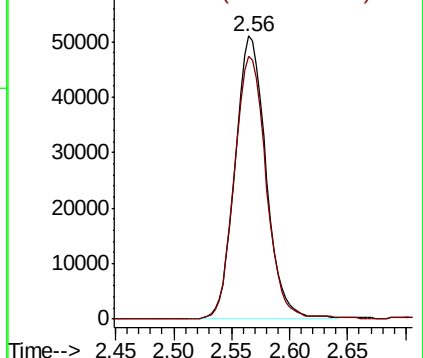
94 100

96 92.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.68 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051096.D

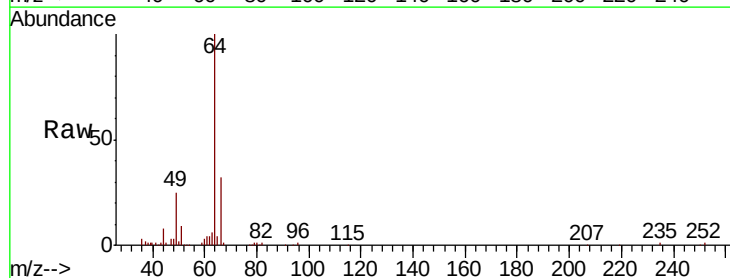
Acq: 10 Sep 2018 23:32

Tgt Ion: 64 Resp: 95502

Ion Ratio Lower Upper

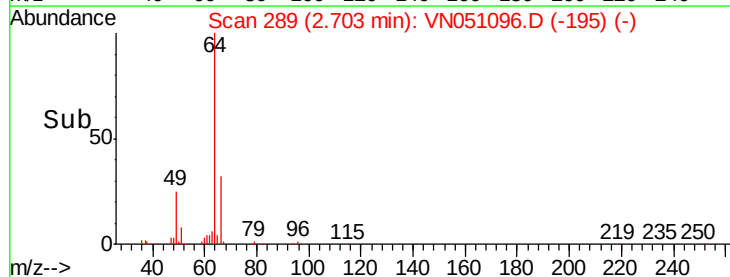
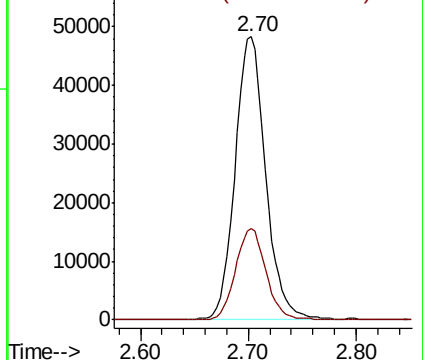
64 100

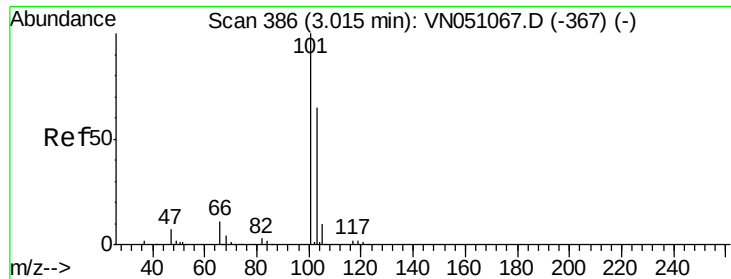
66 32.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



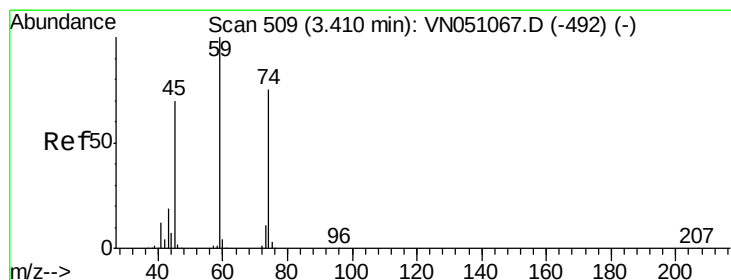
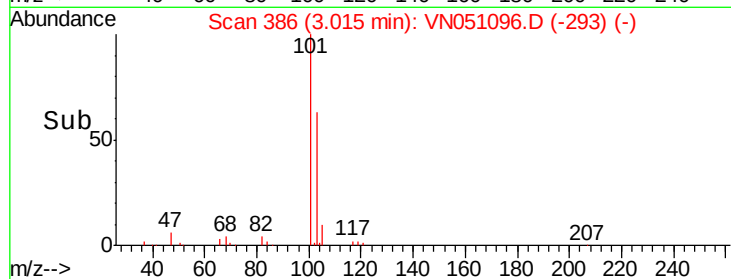
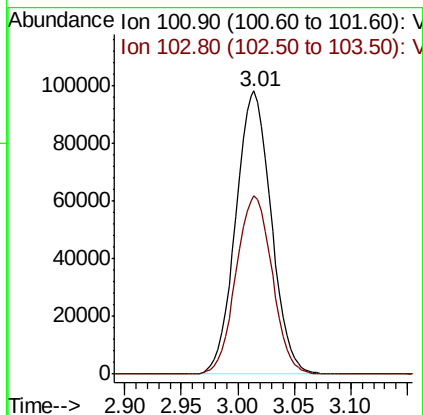
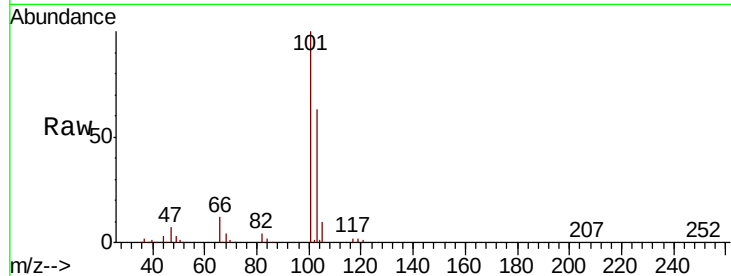


#7

Trichlorofluoromethane
 Concen: 19.52 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

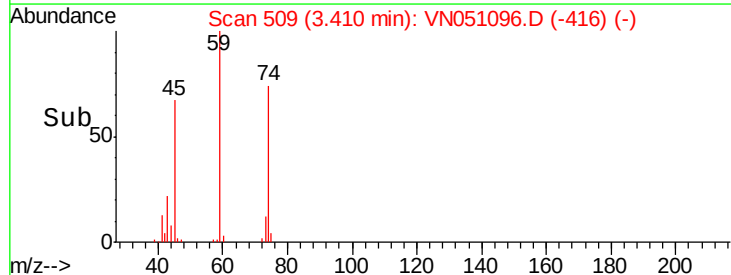
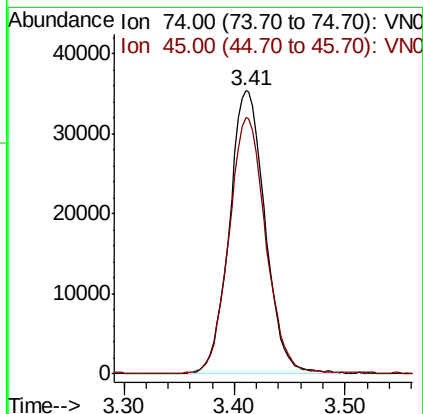
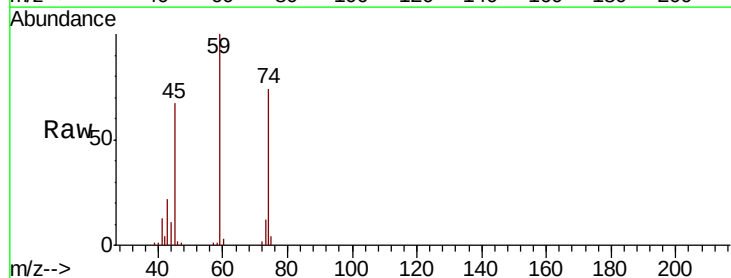
Tot Ion:101 Resp: 214250
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.4 78.6

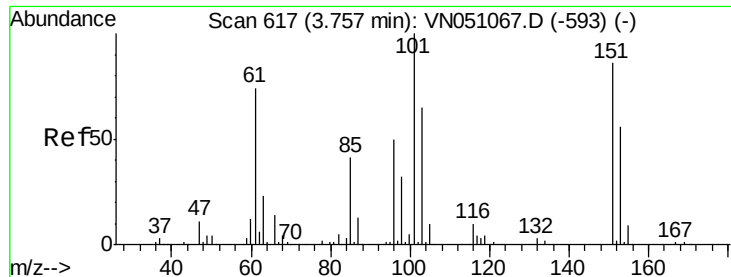


#8

Diethyl Ether
 Concen: 19.65 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 74 Resp: 79346
 Ion Ratio Lower Upper
 74 100
 45 93.7 46.7 140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.99 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

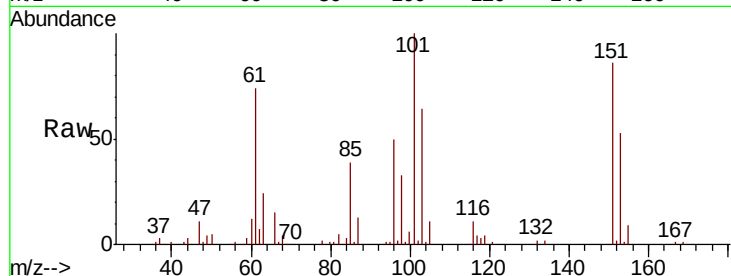
Tot Ion:101 Resp: 134359

Ion Ratio Lower Upper

101 100

85 40.2 33.3 49.9

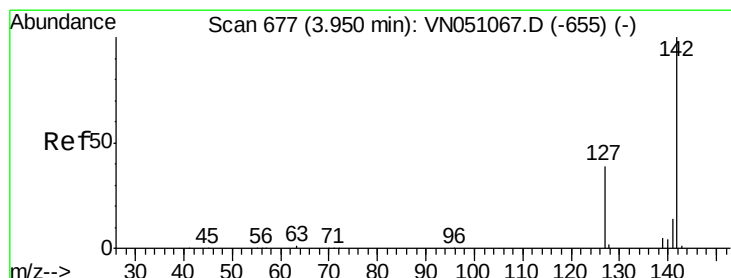
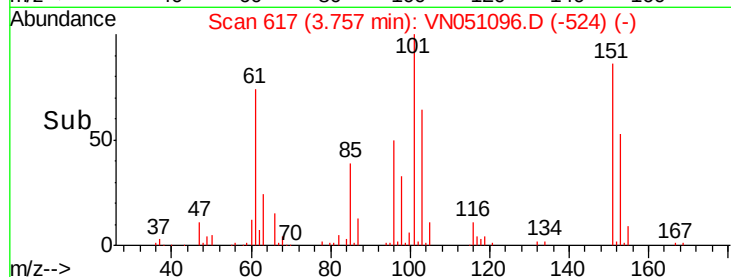
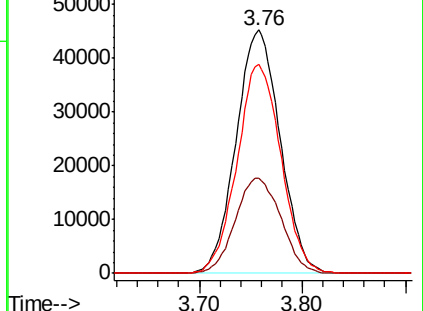
151 85.4 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.16 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

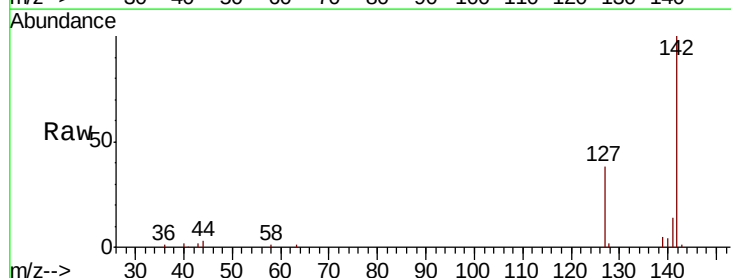
Tgt Ion:142 Resp: 108319

Ion Ratio Lower Upper

142 100

127 39.0 31.0 46.4

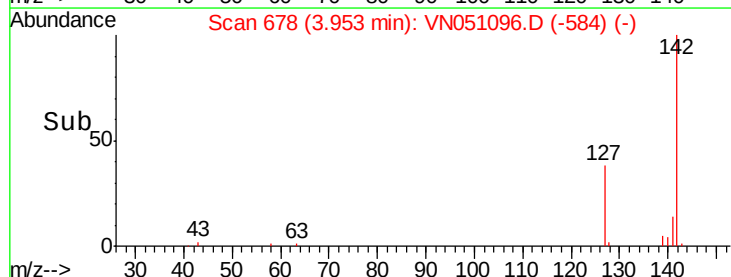
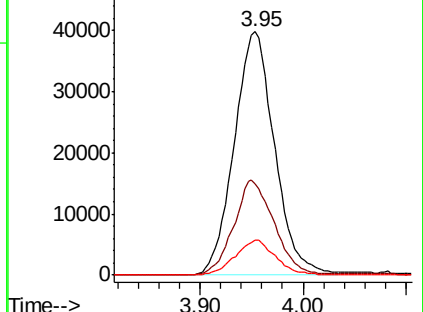
141 14.3 11.3 16.9

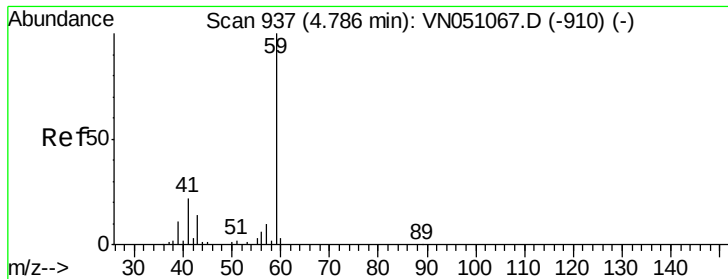


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



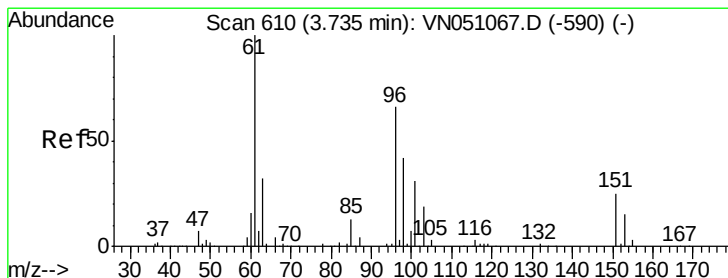
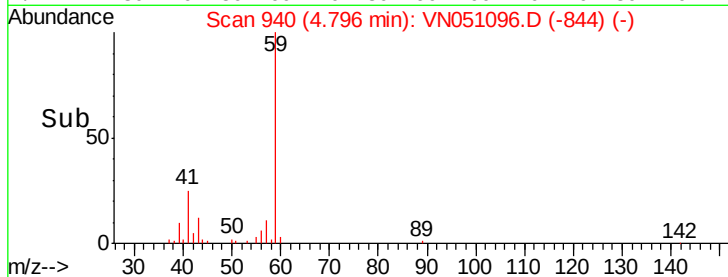
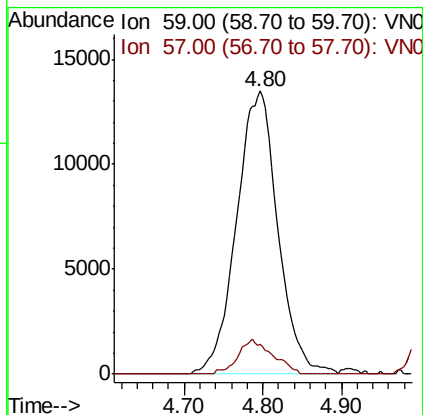
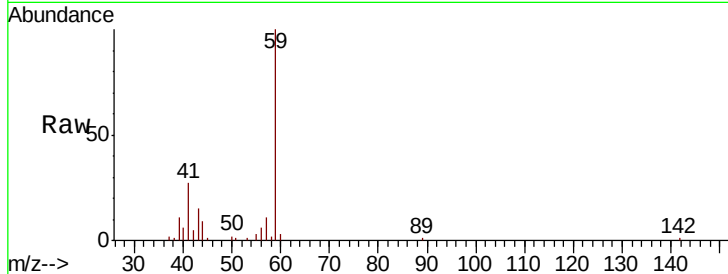


#11

Tert butyl alcohol
 Concen: 93.77 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

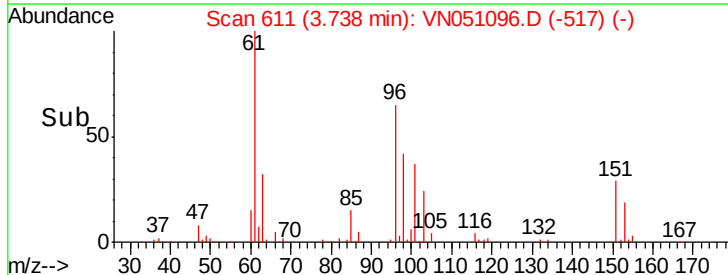
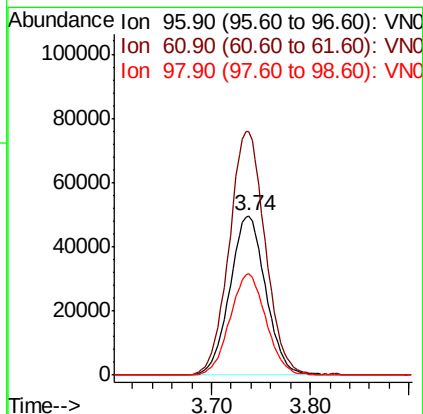
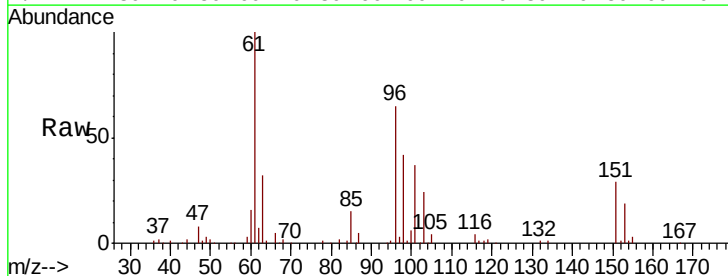
Tot Ion: 59 Resp: 49882
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

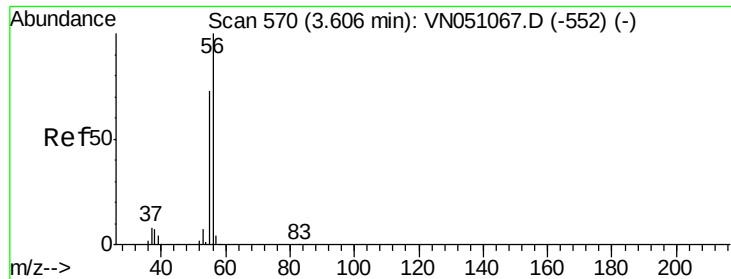


#12

1,1-Dichloroethene
 Concen: 18.75 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 96 Resp: 125201
 Ion Ratio Lower Upper
 96 100
 61 152.4 120.3 180.5
 98 64.1 50.8 76.2





#13

Acrolein

Concen: 105.75 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

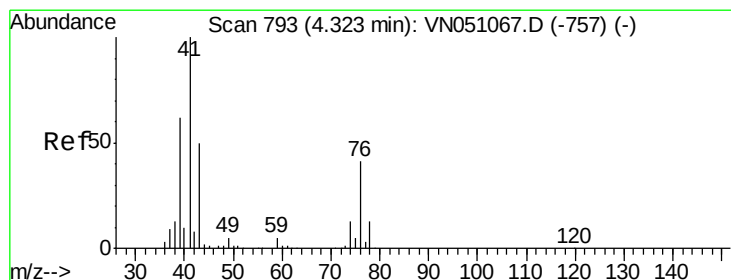
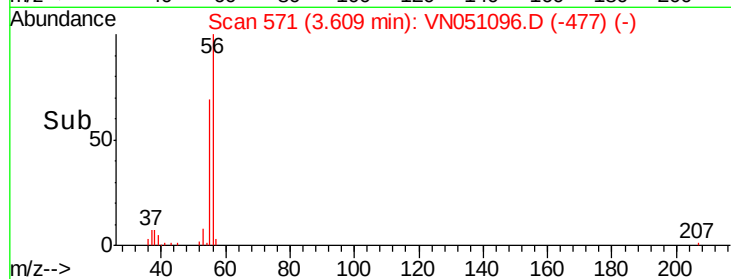
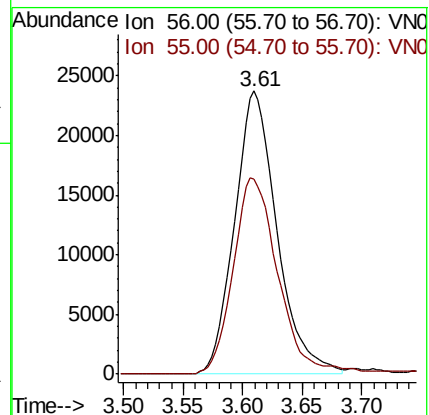
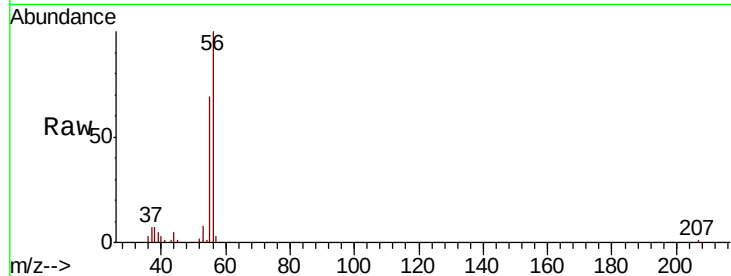
VN0910MBSD02

Tot Ion: 56 Resp: 58588

Ion Ratio Lower Upper

56 100

55 73.3 58.0 87.0



#14

Allyl chloride

Concen: 18.43 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

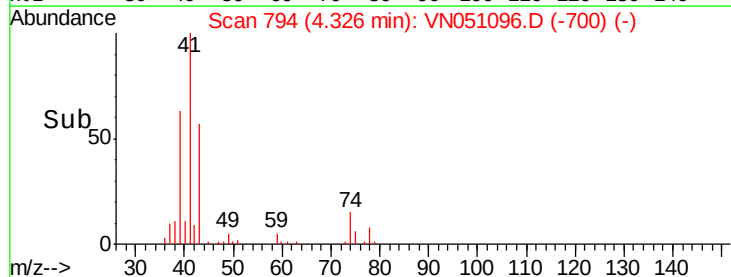
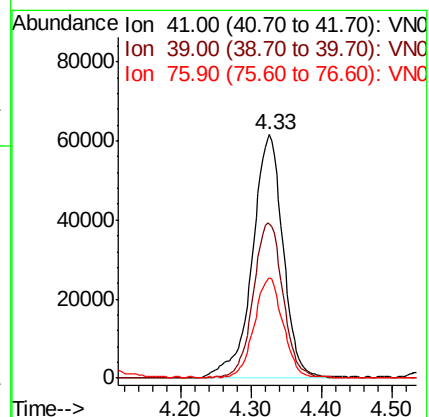
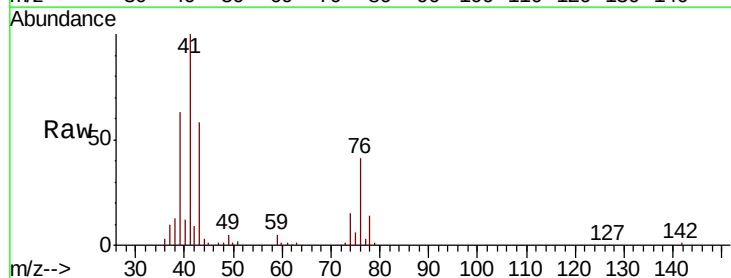
Tgt Ion: 41 Resp: 187460

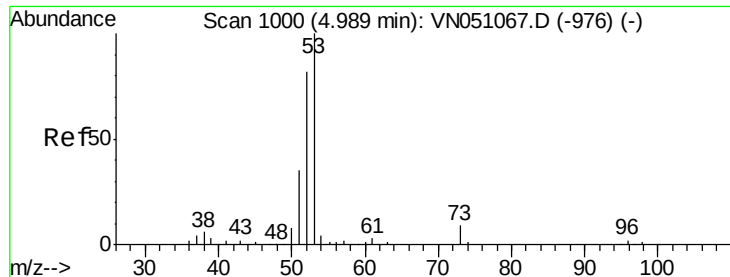
Ion Ratio Lower Upper

41 100

39 61.9 48.8 73.2

76 38.8 30.6 45.8





#15

Acrylonitrile

Concen: 98.19 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

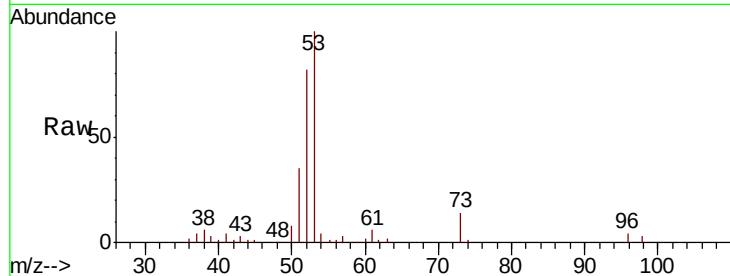
Tot Ion: 53 Resp: 231457

Ion Ratio Lower Upper

53 100

52 82.0 65.3 97.9

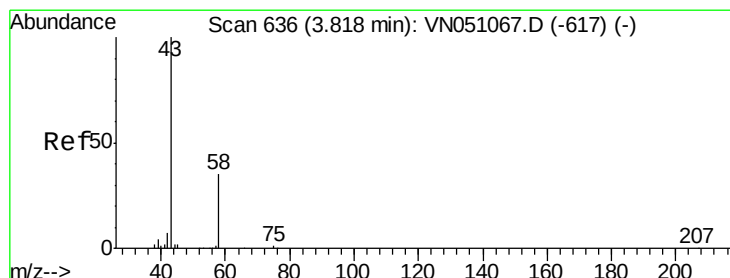
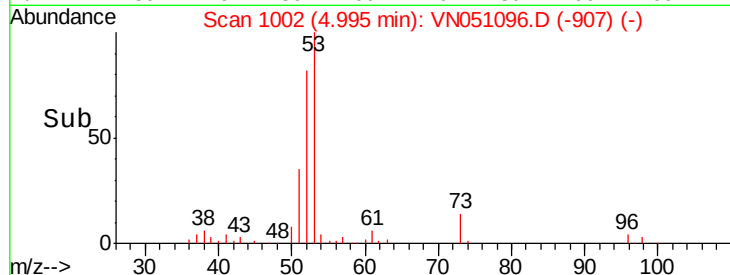
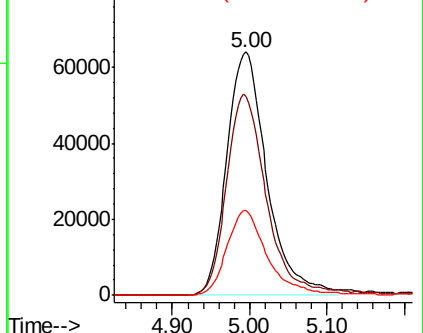
51 34.7 28.2 42.2



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 84.93 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051096.D

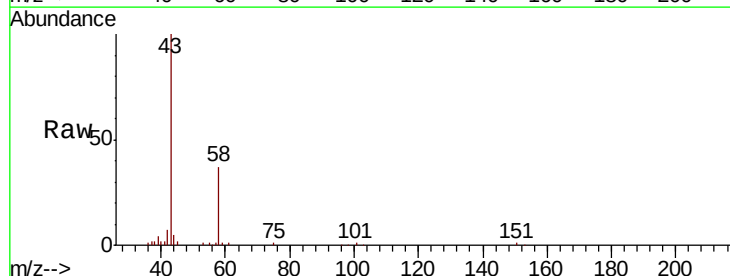
Acq: 10 Sep 2018 23:32

Tgt Ion: 43 Resp: 152892

Ion Ratio Lower Upper

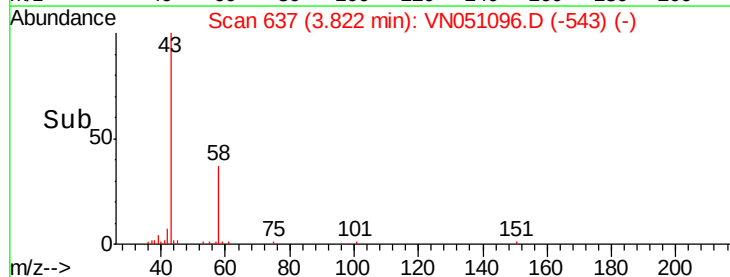
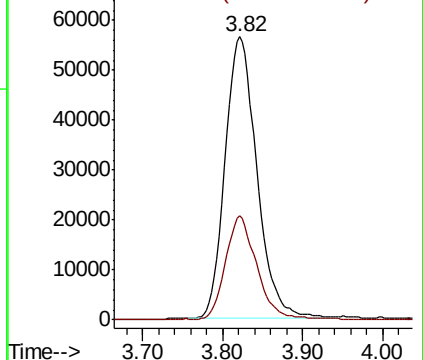
43 100

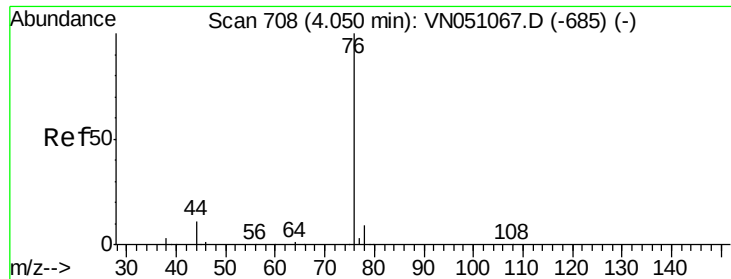
58 36.7 27.8 41.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

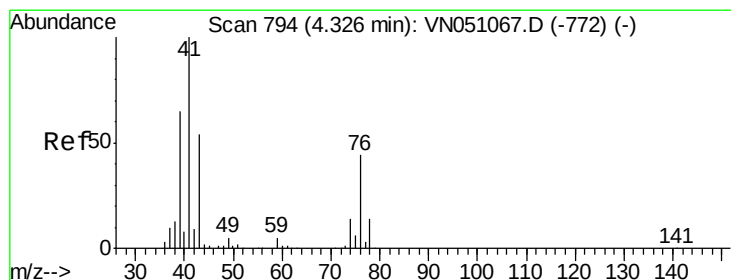
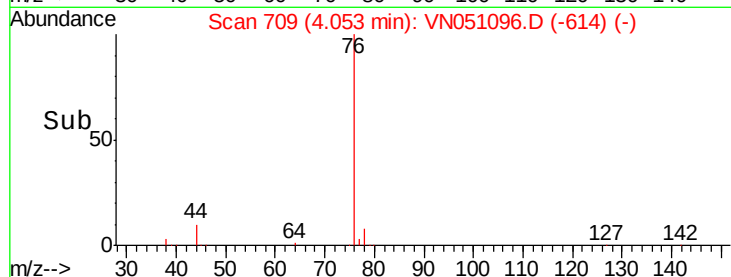
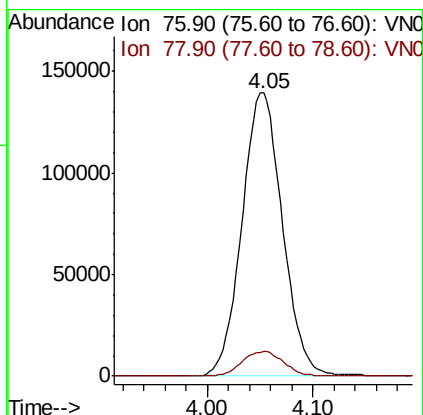
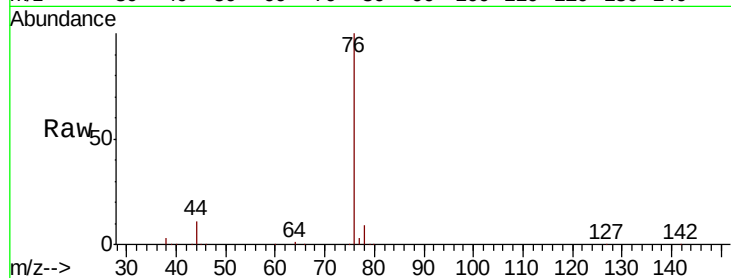




#17
Carbon Disulfide
Concen: 18.96 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

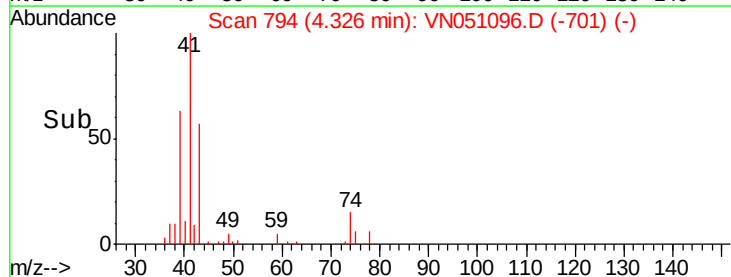
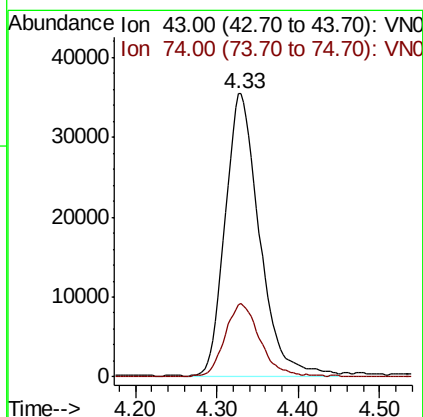
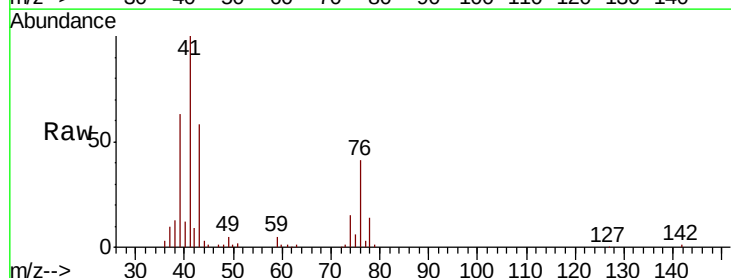
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

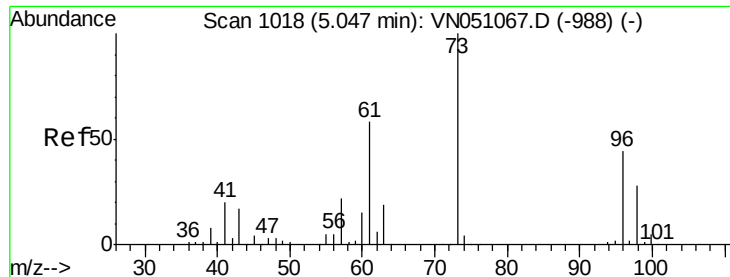
Tot Ion: 76 Resp: 371714
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 18.94 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 43 Resp: 105651
Ion Ratio Lower Upper
43 100
74 26.1 20.7 31.1

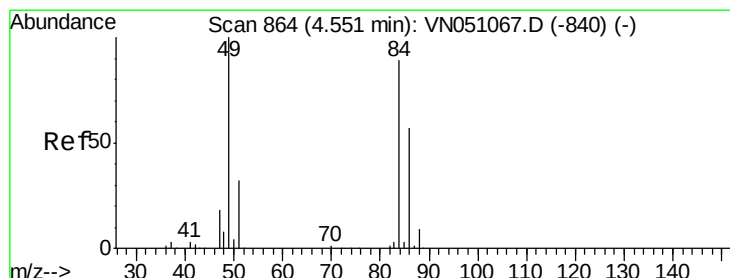
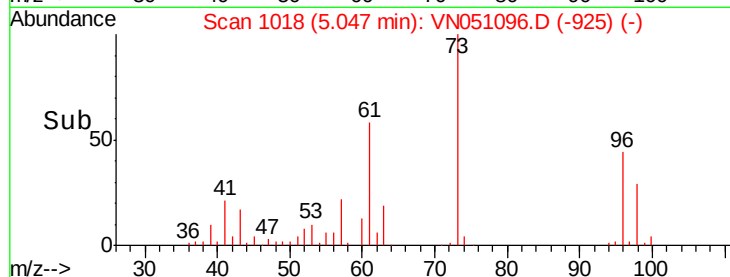
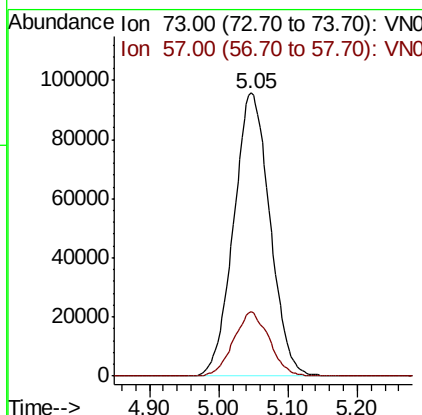
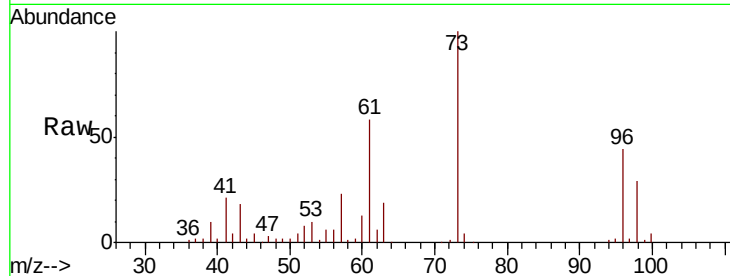




#19
Methvl tert-butvl Ether
Concen: 19.73 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

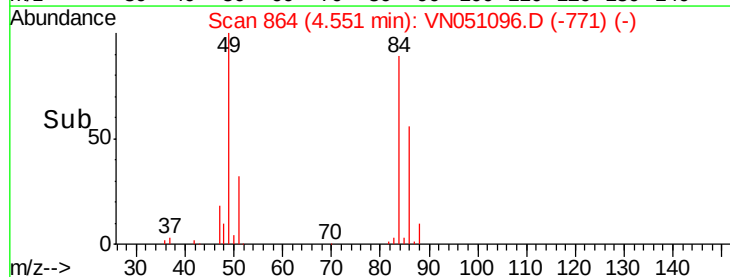
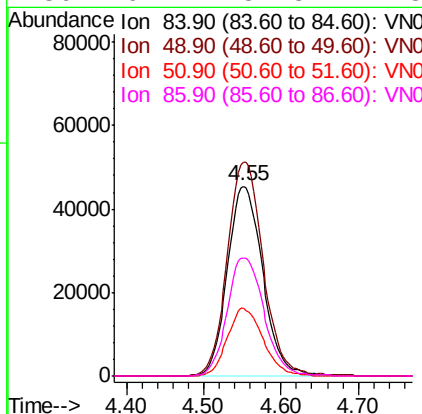
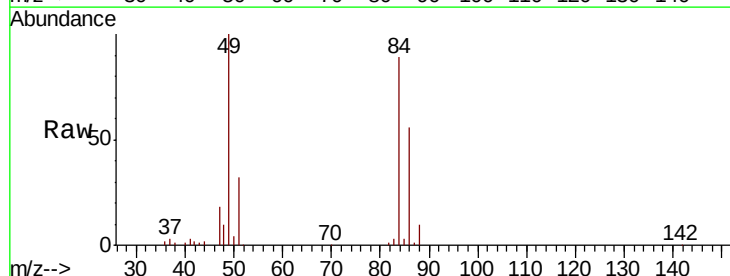
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

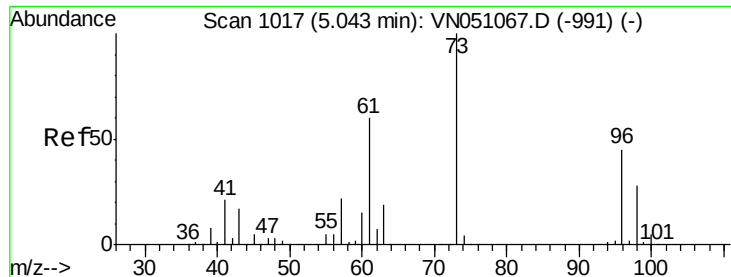
Tot Ion: 73 Resp: 348214
Ion Ratio Lower Upper
73 100
57 22.6 17.9 26.9



#20
Methylene Chloride
Concen: 18.73 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 84 Resp: 144064
Ion Ratio Lower Upper
84 100
49 112.4 90.2 135.2
51 35.6 28.4 42.6
86 62.4 51.8 77.8

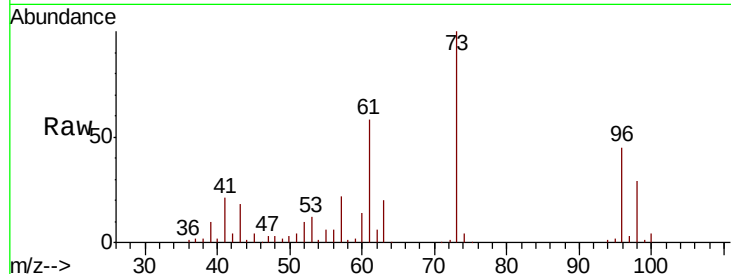




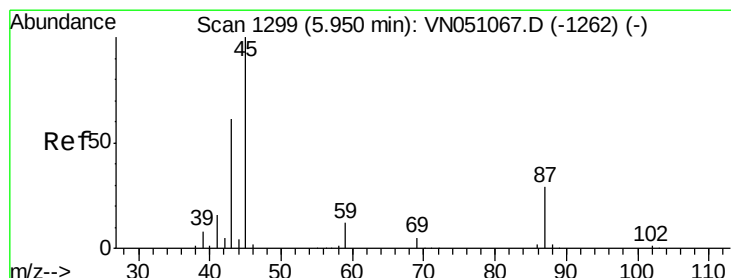
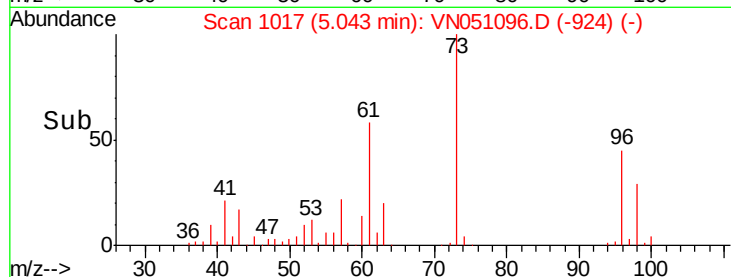
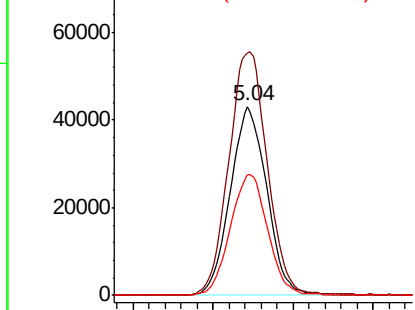
#21
trans-1,2-Dichloroethene
Concen: 18.44 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

Tot Ion: 96 Resp: 133556
Ion Ratio Lower Upper
96 100
61 128.3 106.5 159.7
98 63.9 50.4 75.6

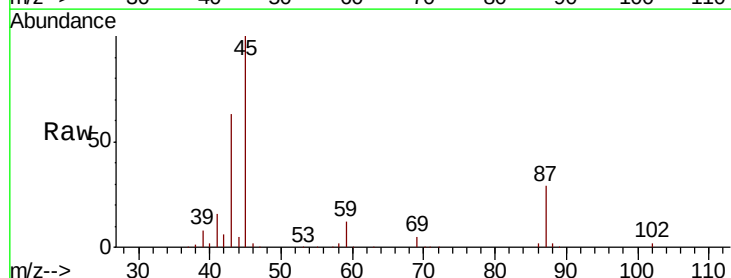


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

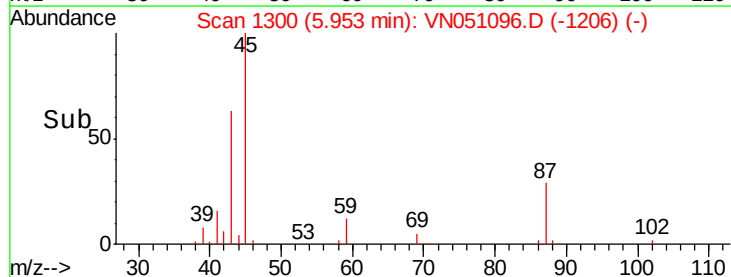
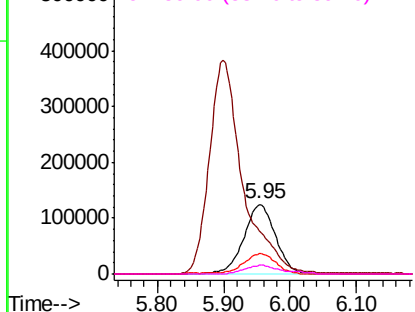


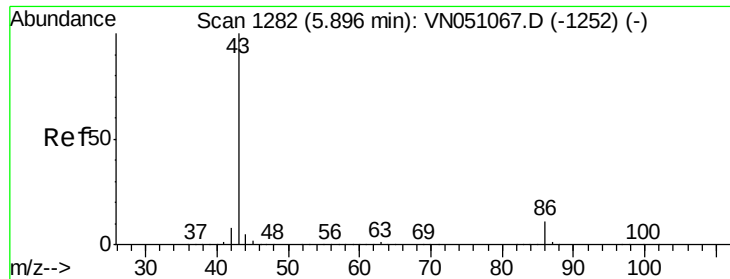
#22
Diisopropyl ether
Concen: 20.51 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 45 Resp: 414046
Ion Ratio Lower Upper
45 100
43 60.9 48.8 73.2
87 29.1 23.8 35.8
59 12.0 9.6 14.4



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: 98.73 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleID :

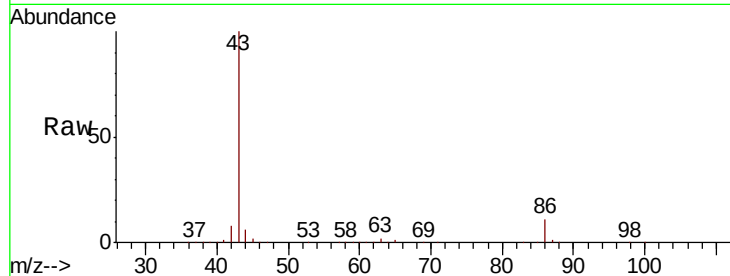
VN0910MBSD02

Tot Ion: 43 Resp: 1348931

Ion Ratio Lower Upper

43 100

86 11.4 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN051067.D (-1252) (-)

5.90

400000

300000

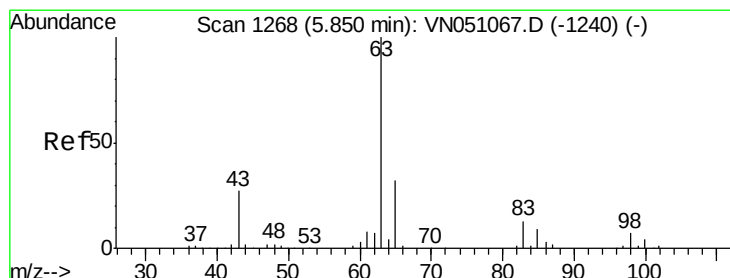
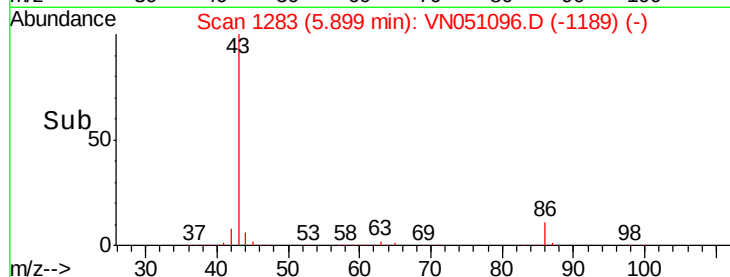
200000

100000

0

5.80 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.49 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

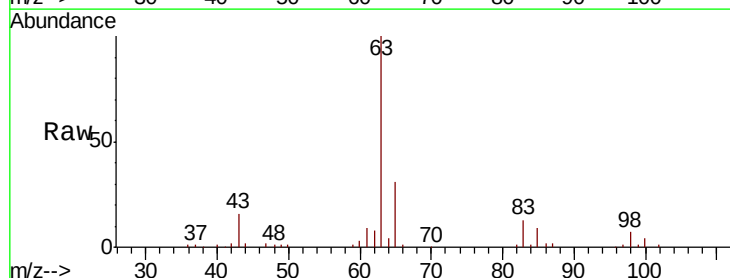
Tgt Ion: 63 Resp: 249660

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.1

100 4.5 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN051067.D (-1240) (-)

Ion 97.90 (97.60 to 98.60): VN051067.D (-1240) (-)

Ion 99.90 (99.60 to 100.60): VN051067.D (-1240) (-)

80000

60000

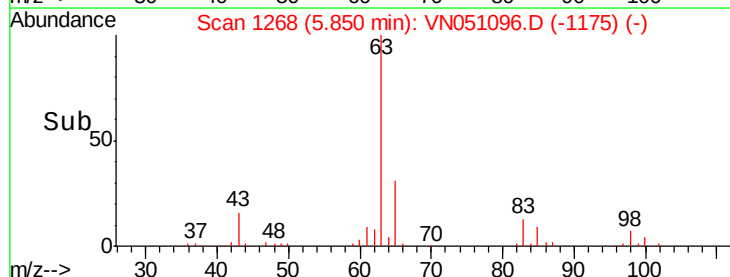
40000

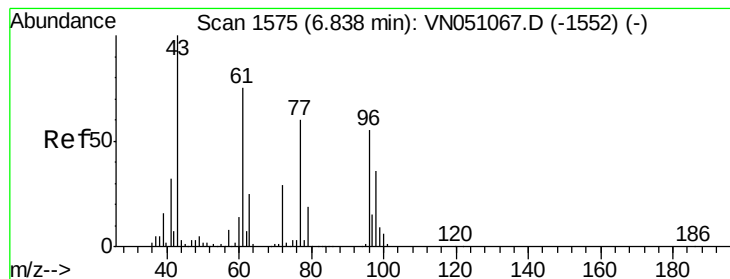
20000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 91.28 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

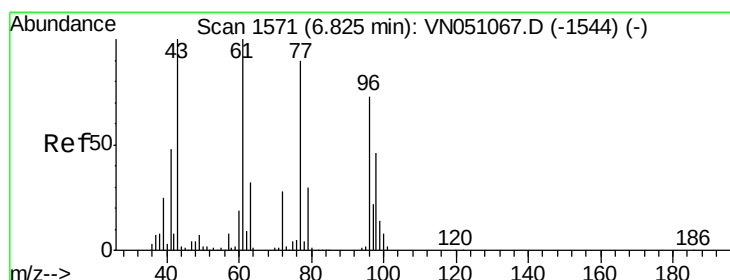
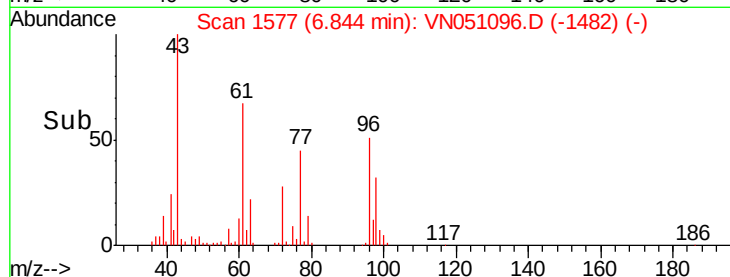
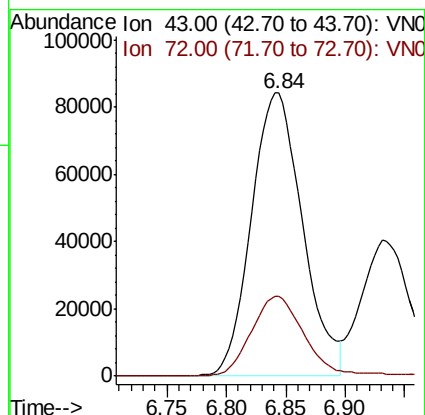
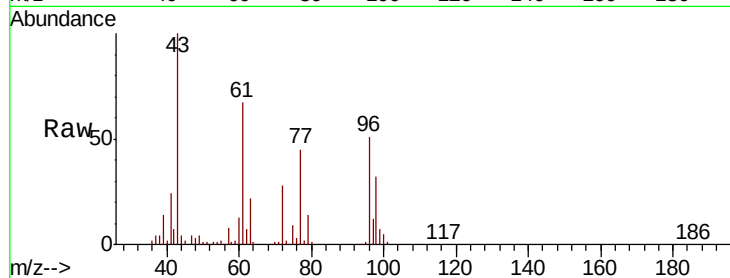
VN0910MBSD02

Tot Ion: 43 Resp: 249948

Ion Ratio Lower Upper

43 100

72 28.3 23.0 34.6



#26

2,2-Dichloropropane

Concen: 15.98 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051096.D

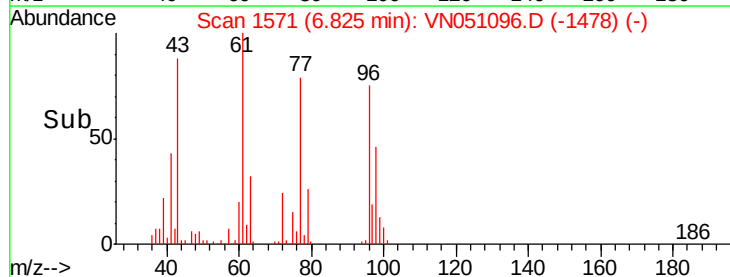
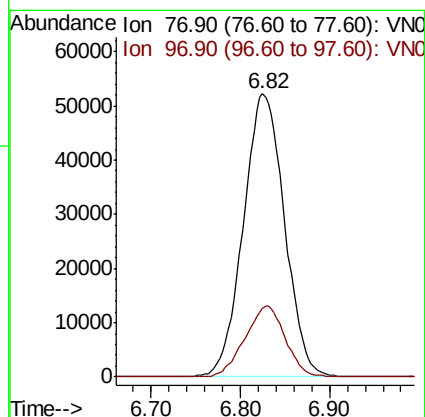
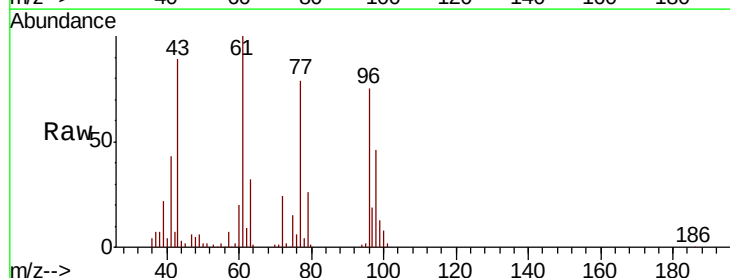
Acq: 10 Sep 2018 23:32

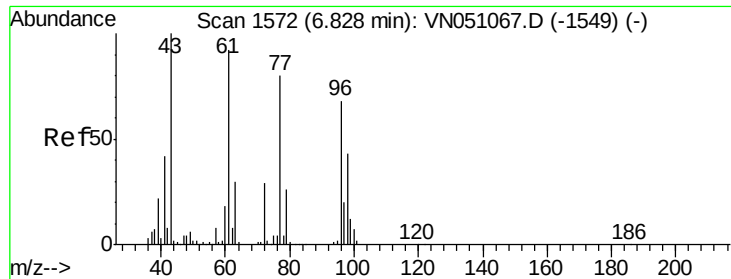
Tgt Ion: 77 Resp: 167577

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 19.27 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

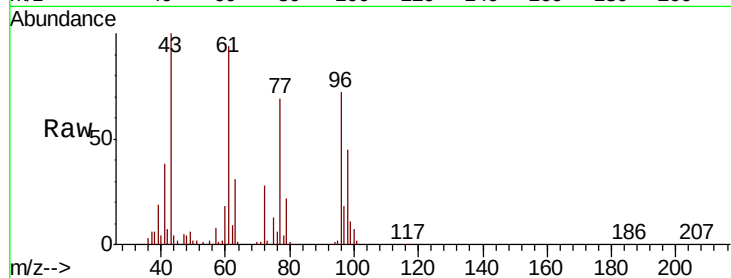
Tot Ion: 96 Resp: 153078

Ion Ratio Lower Upper

96 100

61 133.4 0.0 278.2

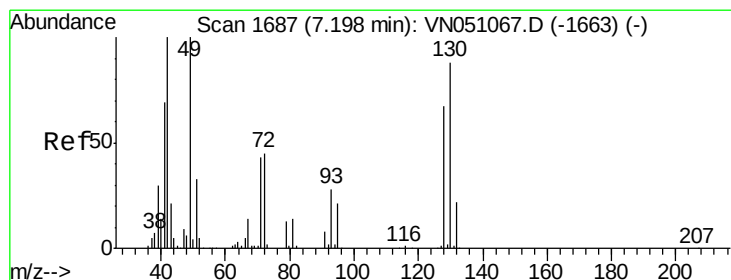
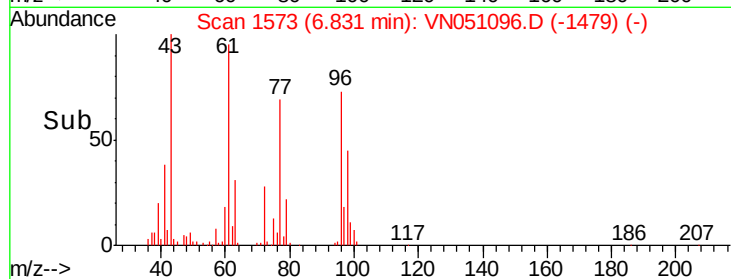
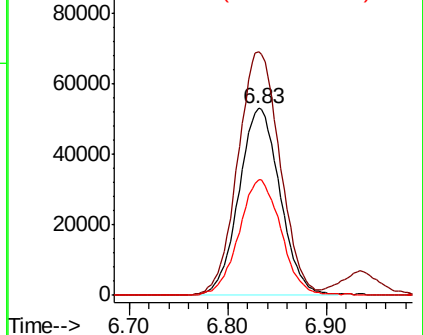
98 63.0 0.0 129.4



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: 19.33 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

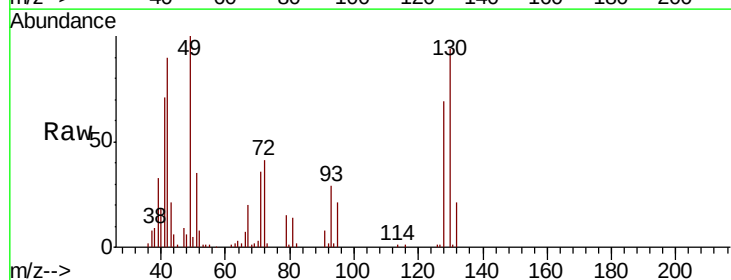
Tgt Ion: 49 Resp: 110217

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.4

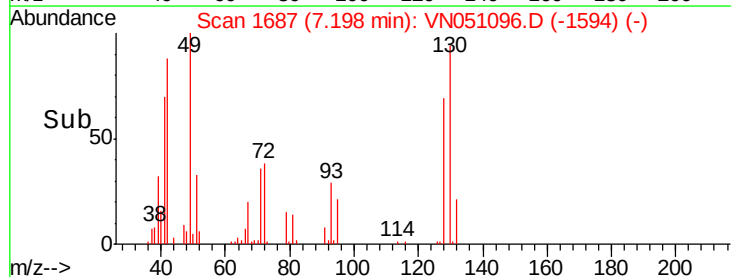
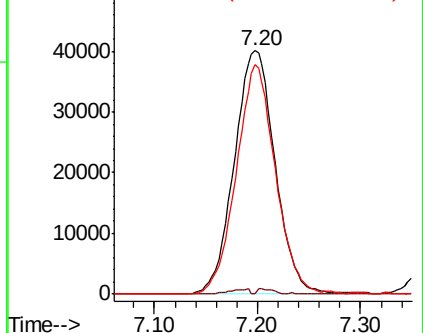
130 89.7 70.7 106.1

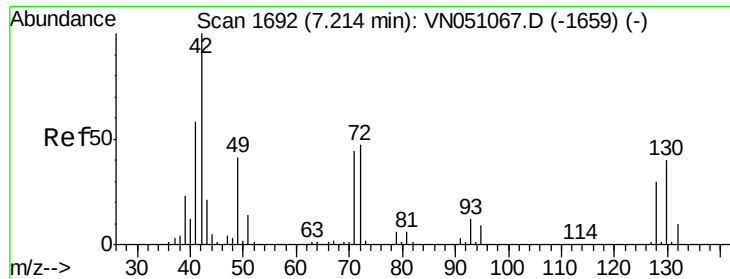


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

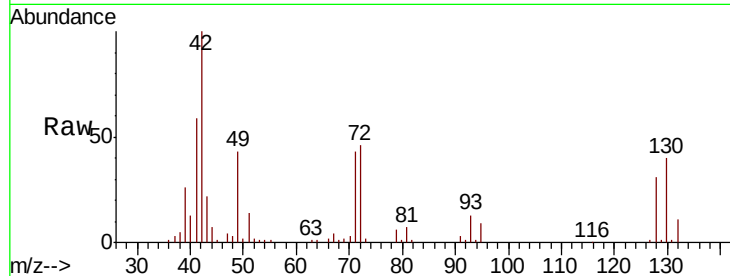




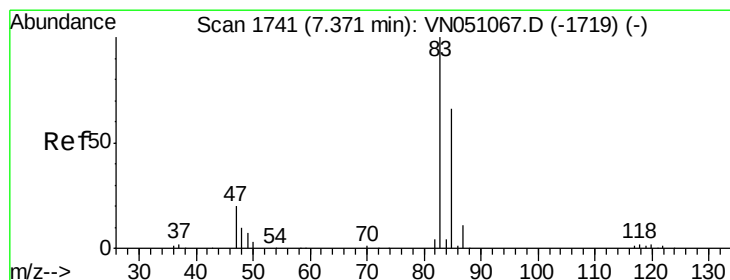
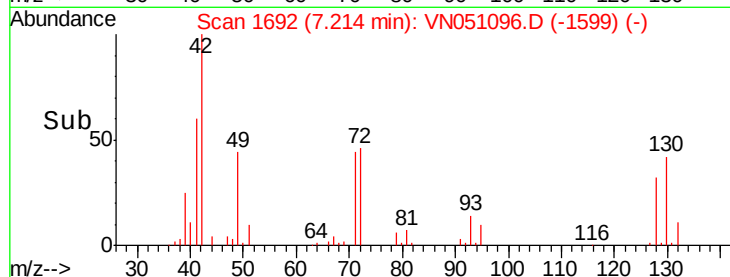
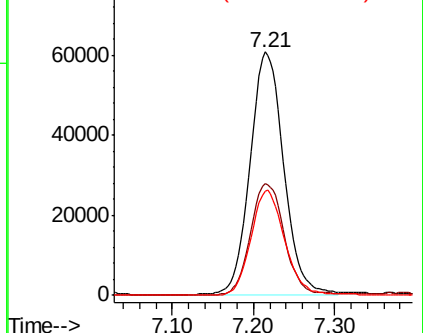
#29
Tetrahydrofuran
Concen: 102.02 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

Tot Ion: 42 Resp: 174461
Ion Ratio Lower Upper
42 100
72 46.3 37.4 56.0
71 42.8 34.7 52.1

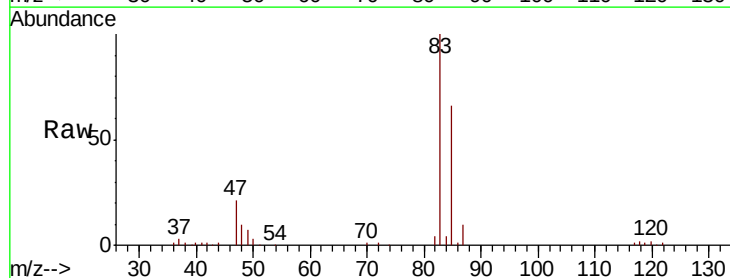


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

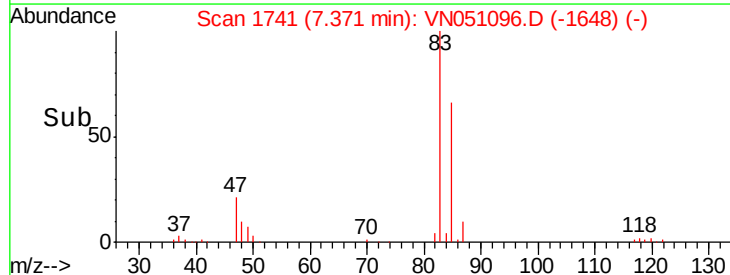
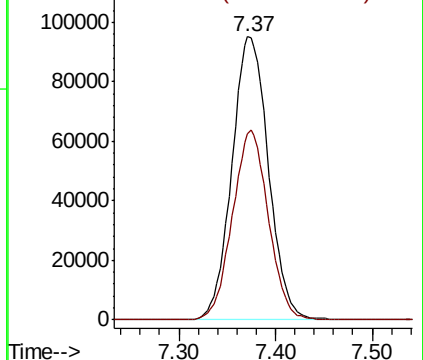


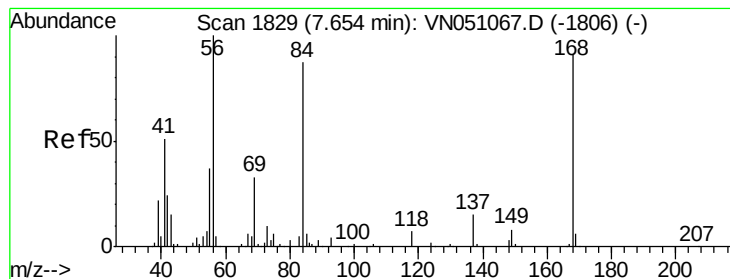
#30
Chloroform
Concen: 19.57 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 83 Resp: 249436
Ion Ratio Lower Upper
83 100
85 65.8 52.6 79.0



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





#31

Cyclohexane

Concen: 19.36 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleID :

VN0910MBSD02

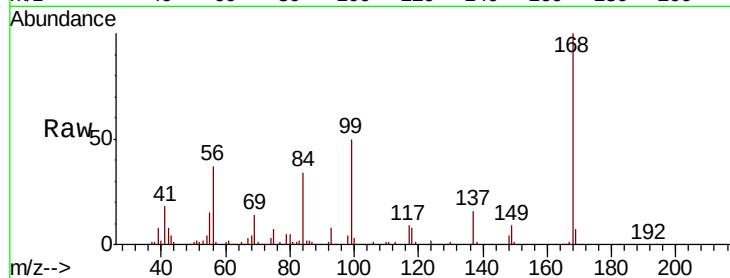
Tot Ion: 56 Resp: 222674

Ion Ratio Lower Upper

56 100

69 38.4 26.3 39.5

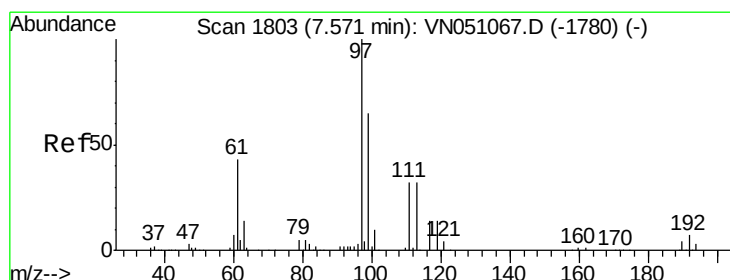
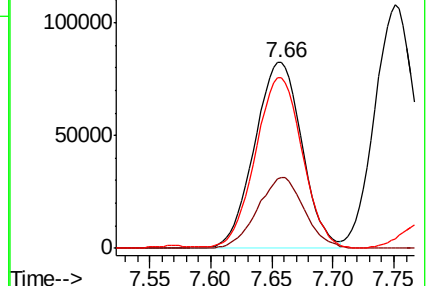
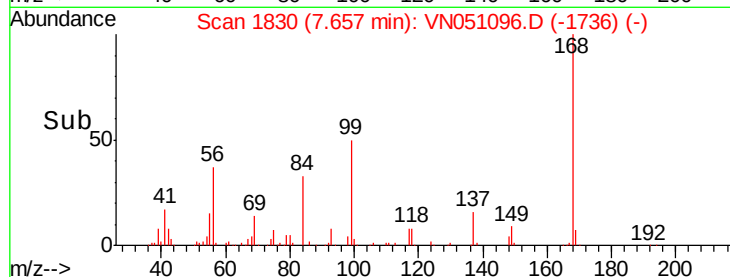
84 90.7 69.4 104.0



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: 19.60 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

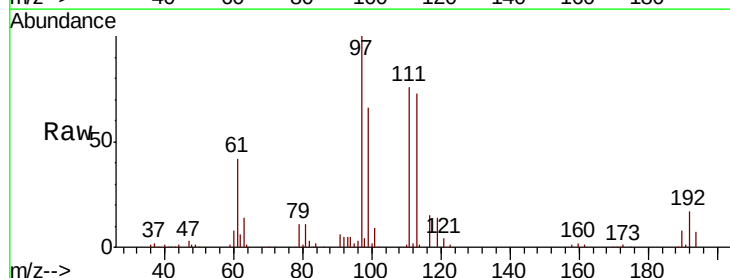
Tgt Ion: 97 Resp: 212802

Ion Ratio Lower Upper

97 100

99 65.2 51.6 77.4

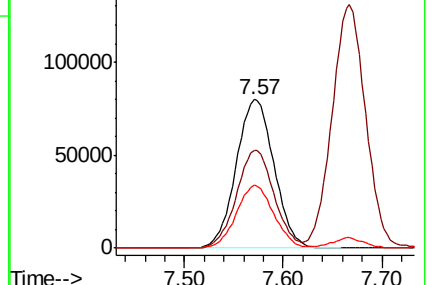
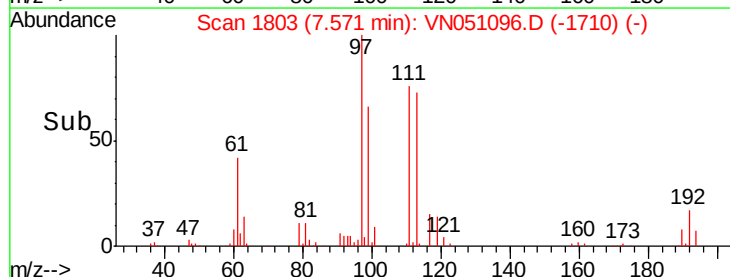
61 41.6 33.8 50.6

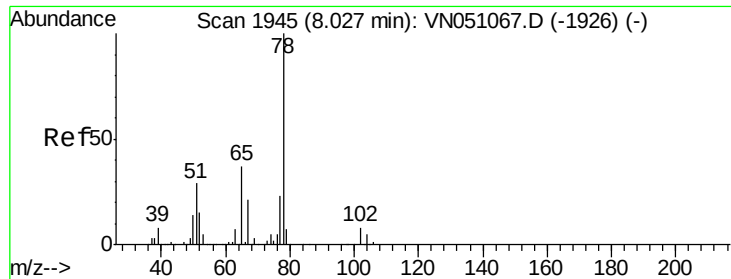


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

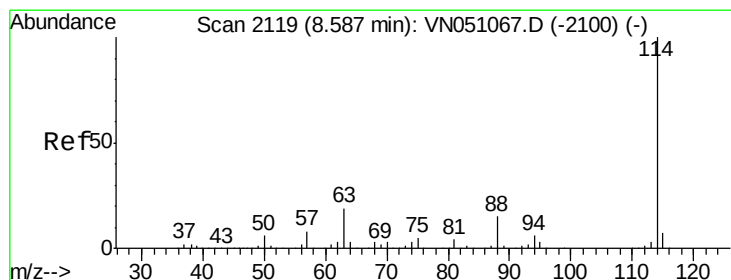
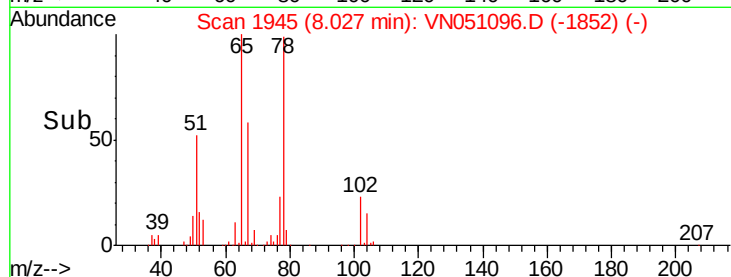
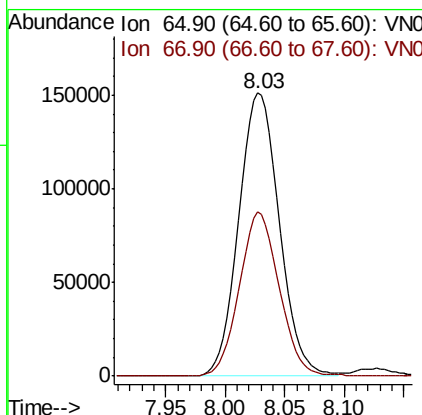
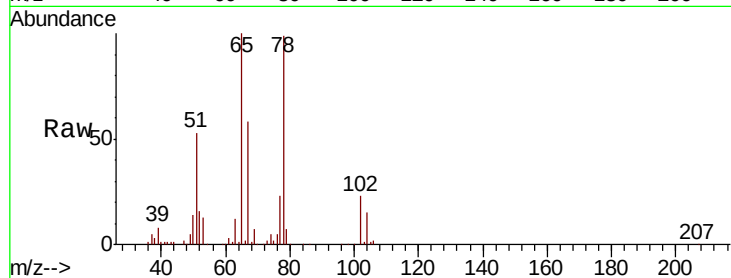




#33
 1,2-Dichloroethane-d4
 Concen: 51.36 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

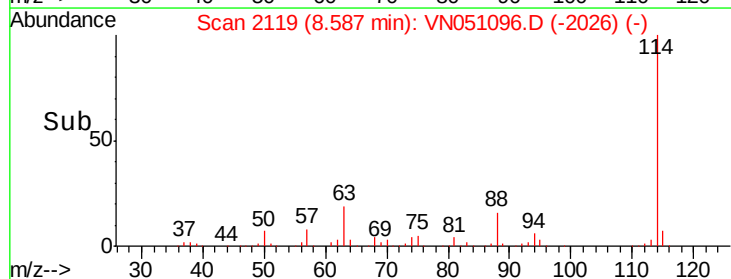
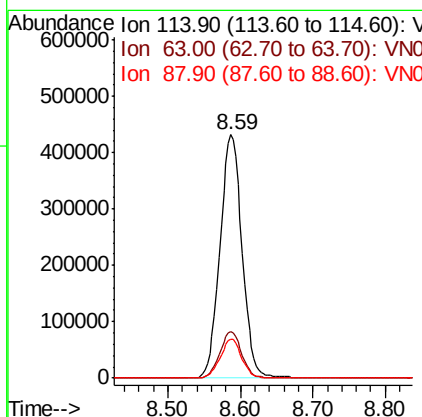
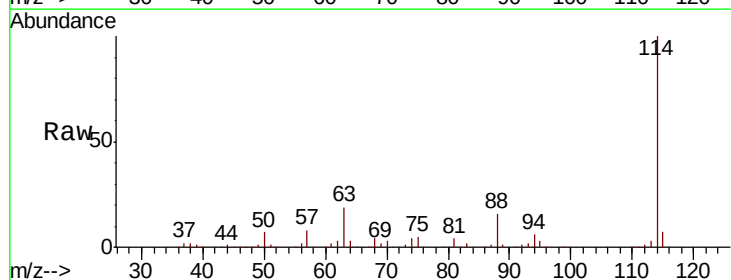
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

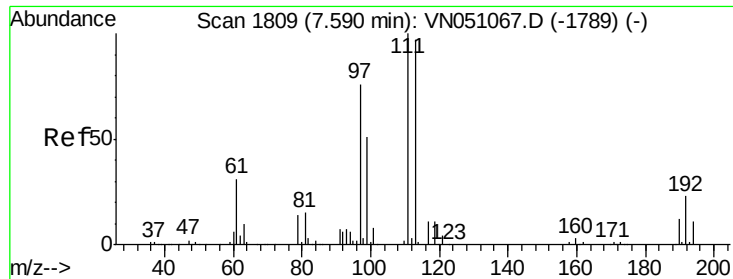
Tot Ion: 65 Resp: 357702
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 114 Resp: 912291
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 16.2 0.0 30.8

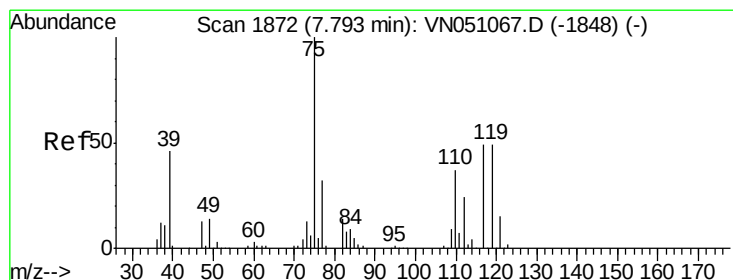
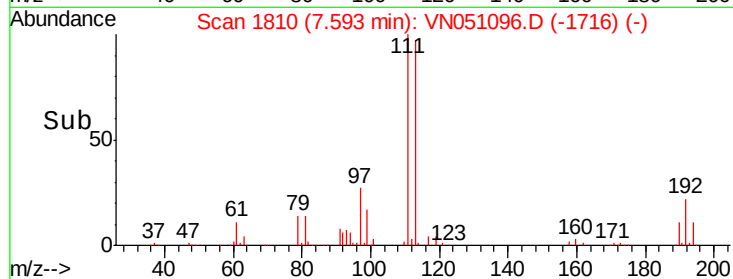
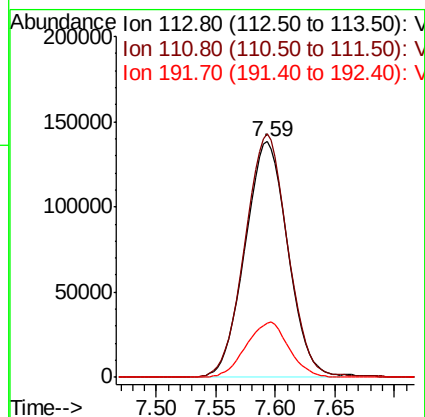
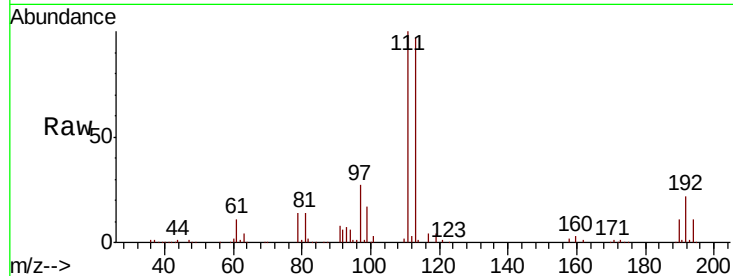




#35
 Dibromofluoromethane
 Concen: 50.38 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

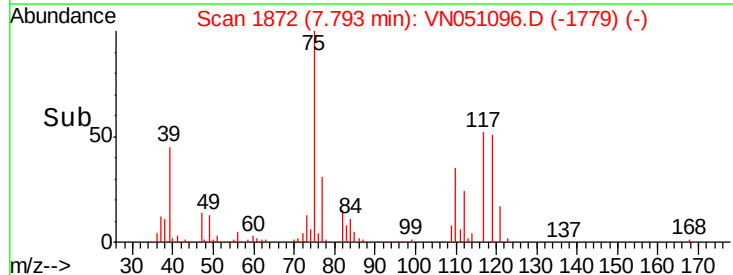
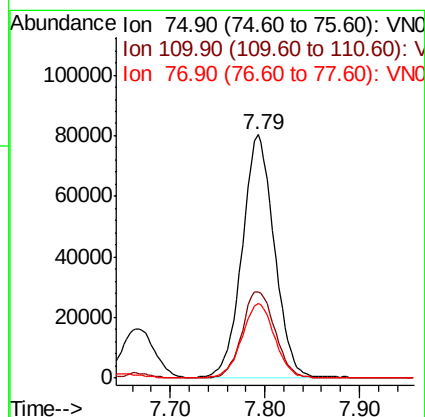
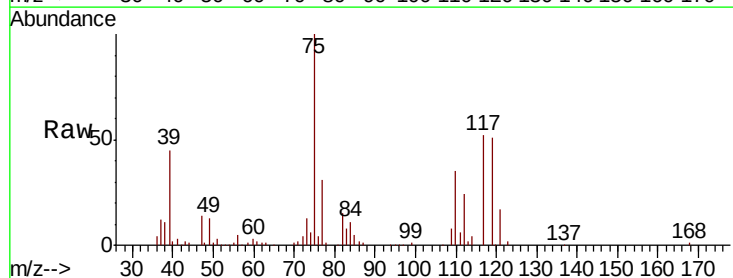
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

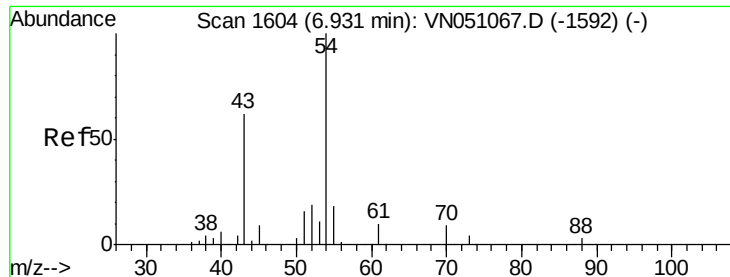
Tot Ion:113 Resp: 345368
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.6
 192 23.5 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 18.85 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 75 Resp: 188816
 Ion Ratio Lower Upper
 75 100
 110 36.5 18.6 55.8
 77 31.7 25.2 37.8

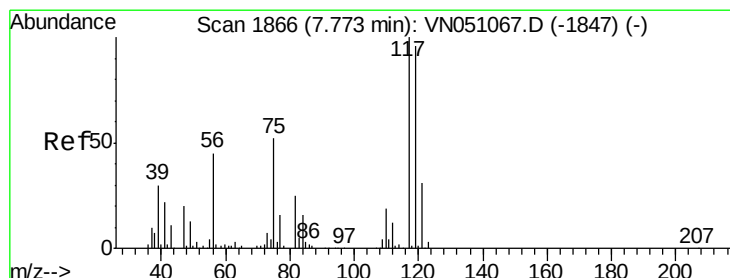
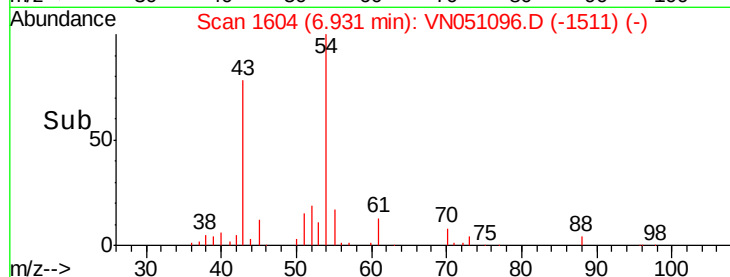
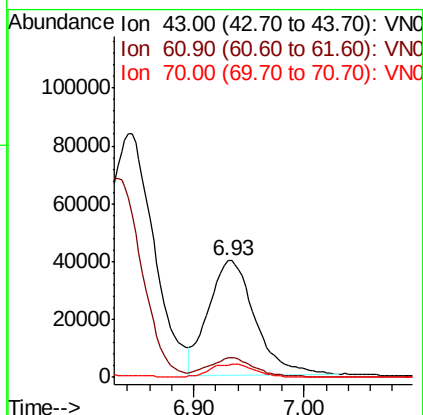
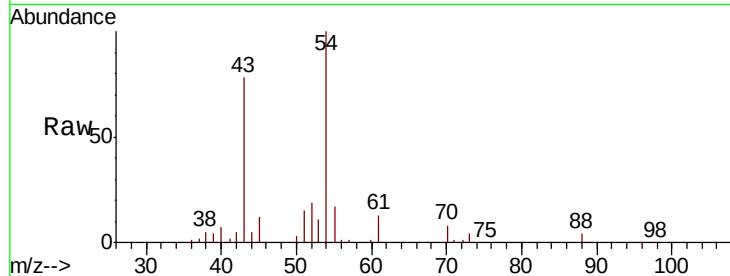




#37
Ethyl Acetate
Concen: 20.00 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

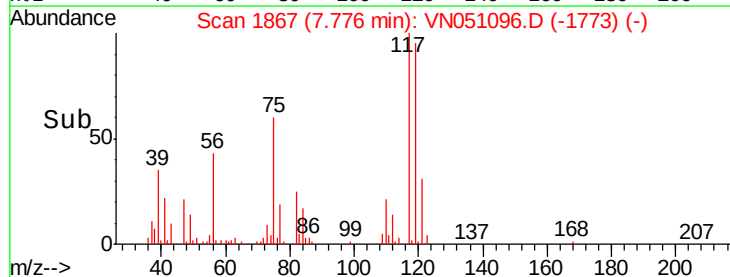
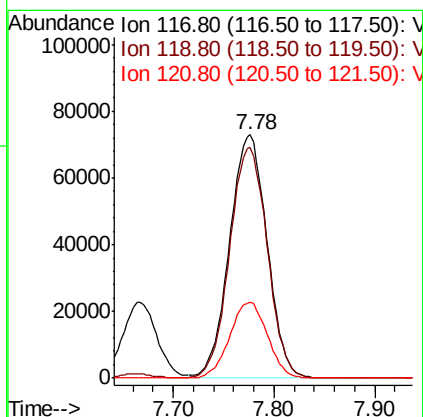
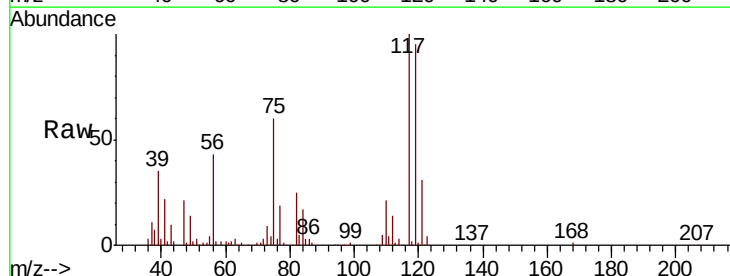
Instrument :
MSVOA_N
ClientSampleID :
VN0910MBSD02

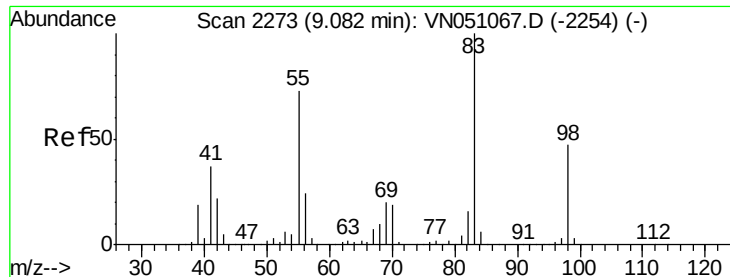
Tot Ion: 43 Resp: 116018
Ion Ratio Lower Upper
43 100
61 16.5 12.4 18.6
70 11.5 9.3 13.9



#38
Carbon Tetrachloride
Concen: 19.15 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 117 Resp: 188748
Ion Ratio Lower Upper
117 100
119 94.9 76.8 115.2
121 31.3 24.6 36.8

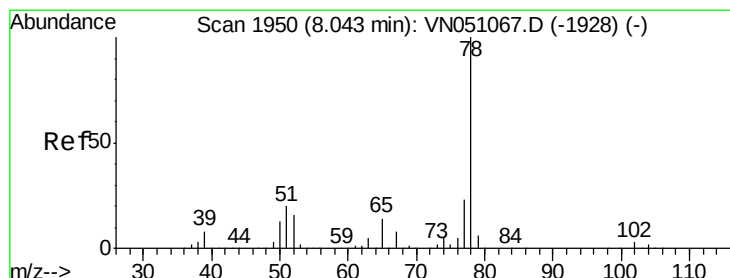
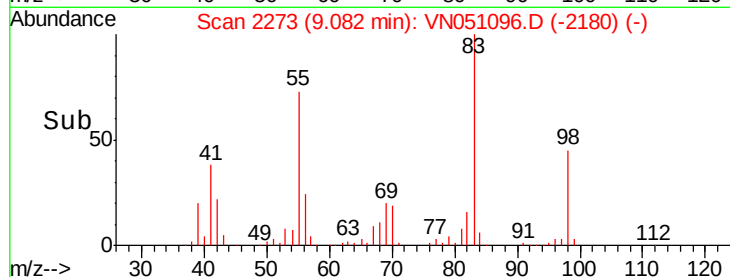
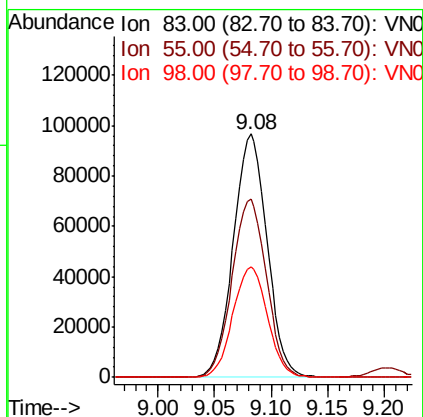
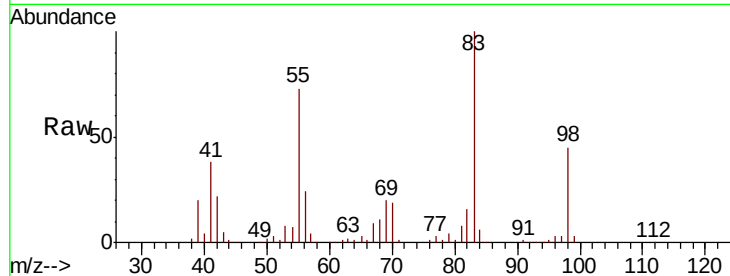




#39
Methylvlcyclohexane
Concen: 18.21 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

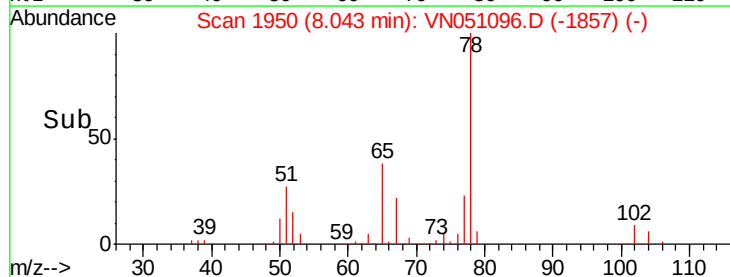
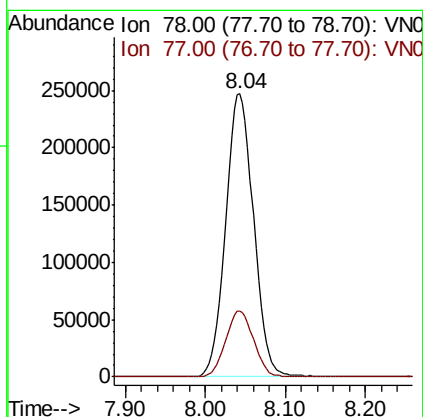
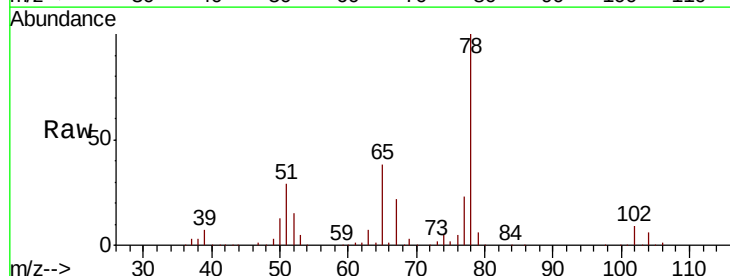
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

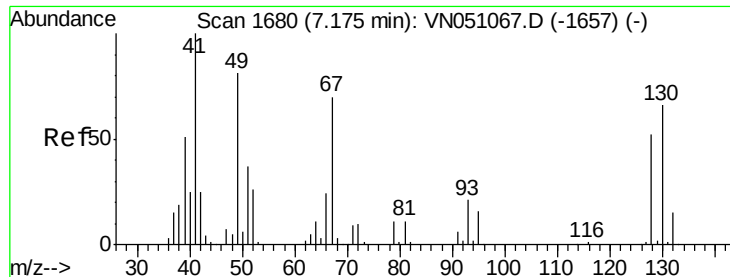
Tot Ion: 83 Resp: 201224
Ion Ratio Lower Upper
83 100
55 73.3 58.4 87.6
98 45.3 37.3 55.9



#40
Benzene
Concen: 19.49 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 78 Resp: 588375
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8





#41

Methacrylonitrile

Concen: 55.32 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleID :

VN0910MBSD02

Tot Ion: 41 Resp: 165586

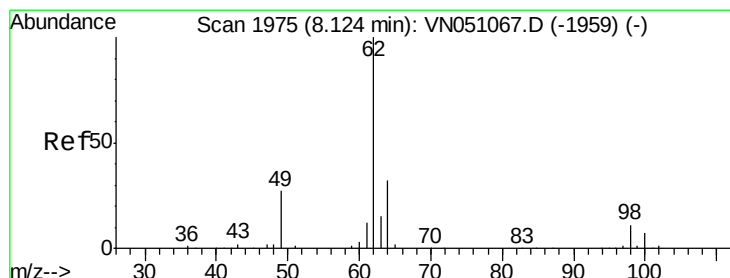
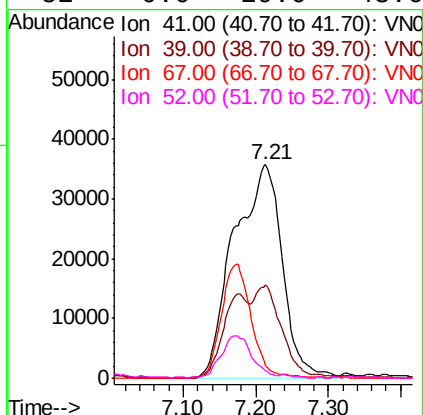
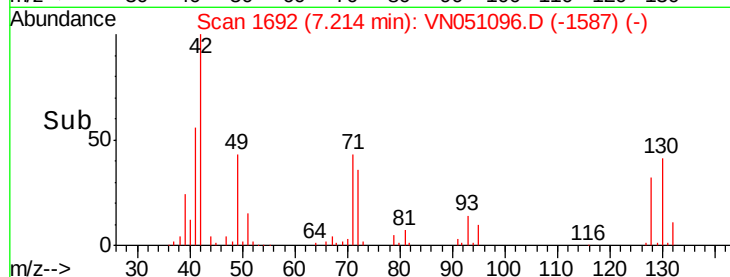
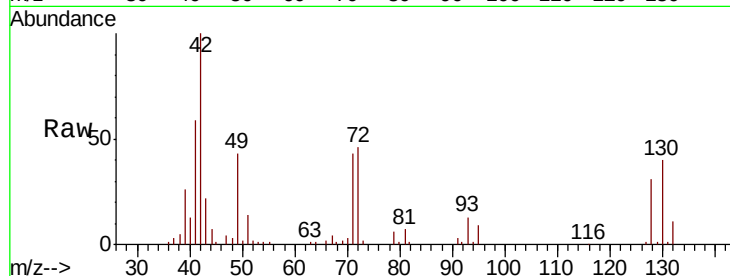
Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 0.0 78.5 117.7#

52 0.0 29.0 43.6#



#42

1,2-Dichloroethane

Concen: 19.66 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN051096.D

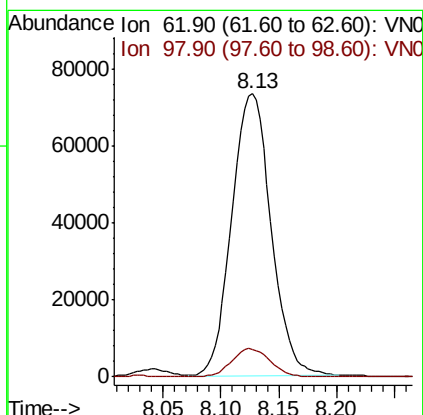
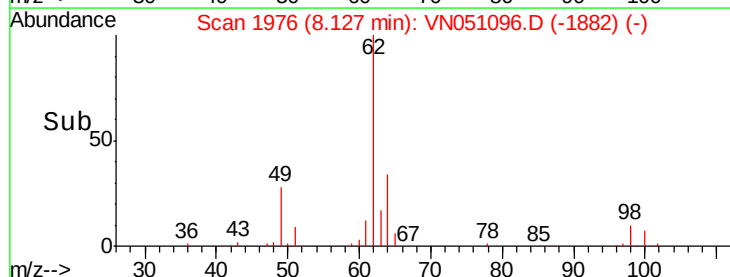
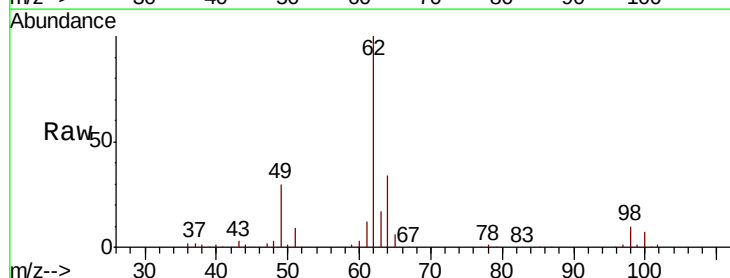
Acq: 10 Sep 2018 23:32

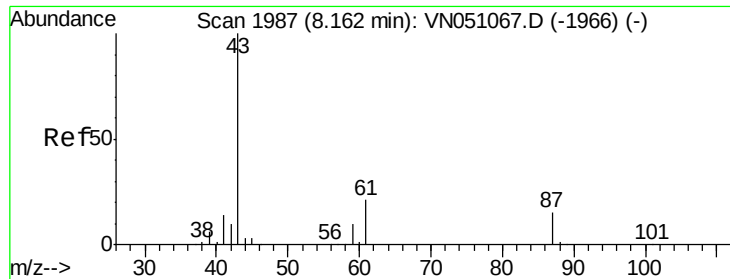
Tgt Ion: 62 Resp: 172973

Ion Ratio Lower Upper

62 100

98 9.8 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.59 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

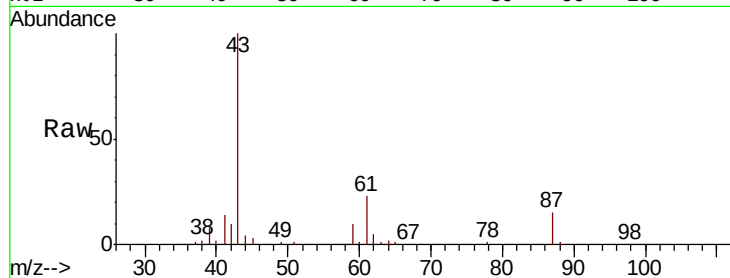
Tot Ion: 43 Resp: 200501

Ion Ratio Lower Upper

43 100

61 31.4 25.0 37.6

87 14.9 11.8 17.8

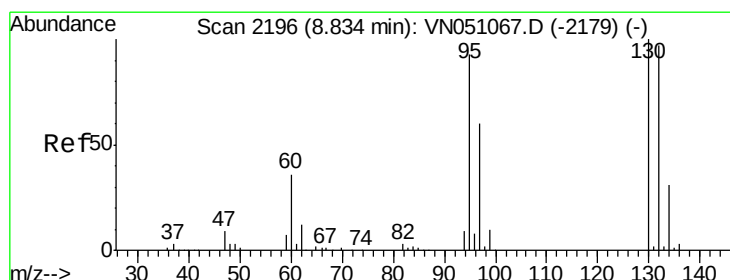
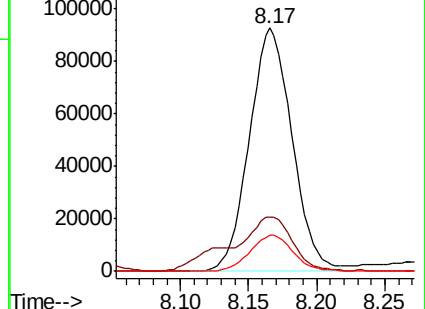
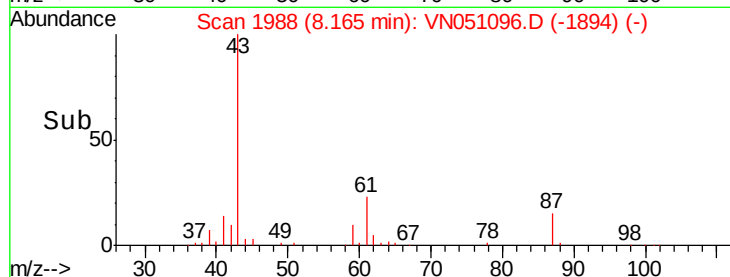


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 18.81 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051096.D

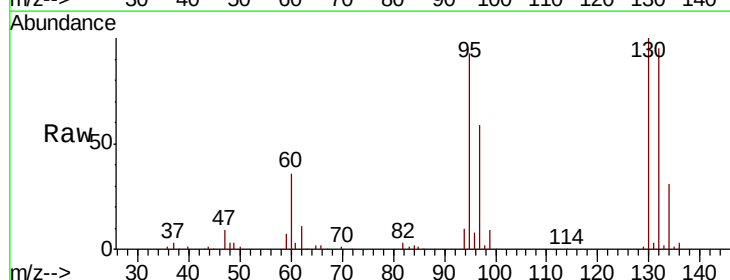
Acq: 10 Sep 2018 23:32

Tgt Ion:130 Resp: 155291

Ion Ratio Lower Upper

130 100

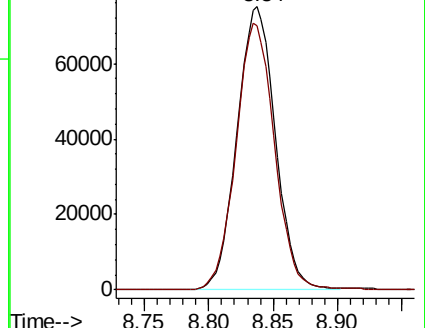
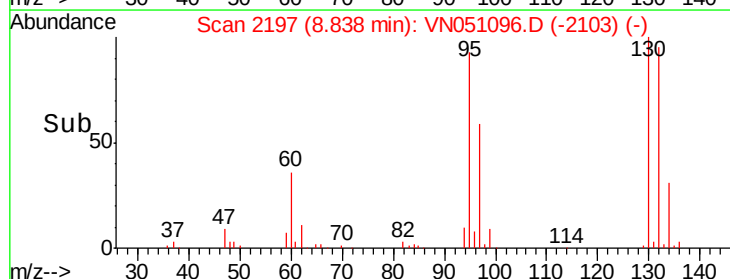
95 92.9 0.0 186.2

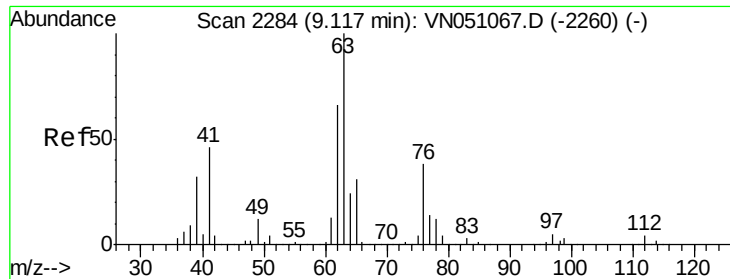


Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Time-->

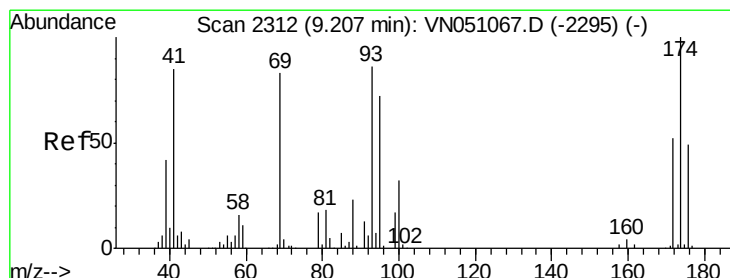
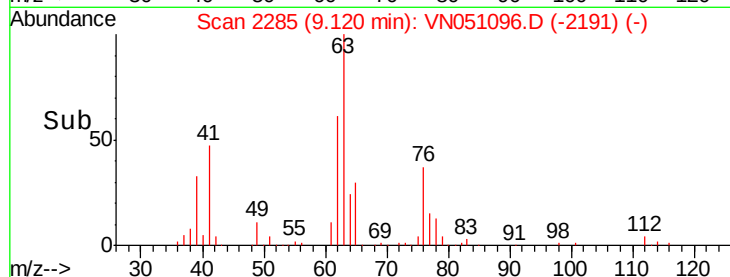
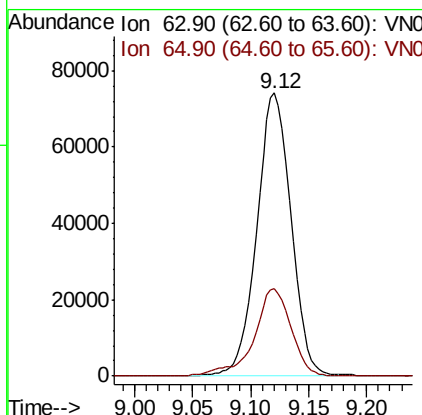
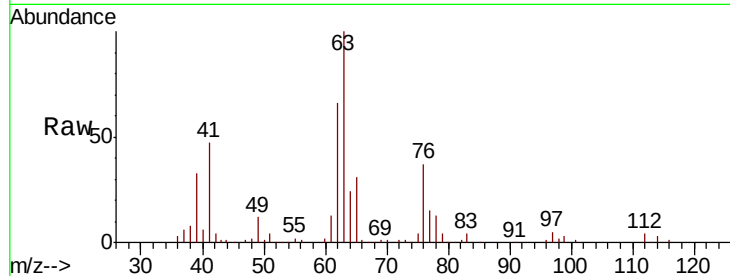




#45
 1,2-Dichloropropane
 Concen: 19.54 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

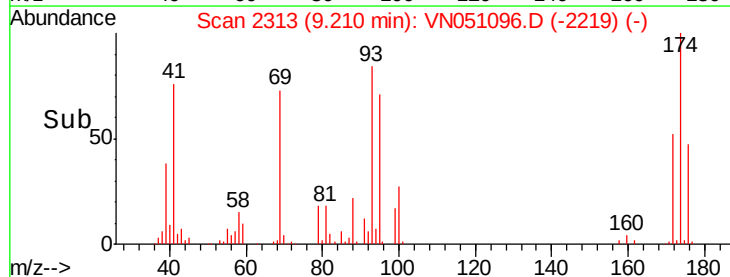
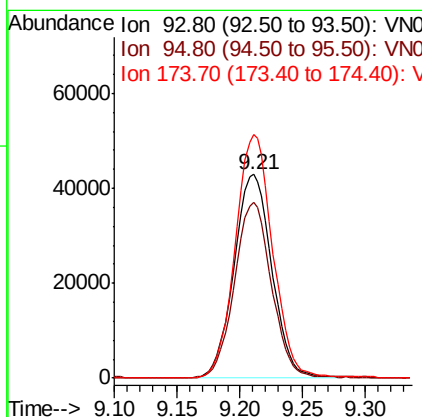
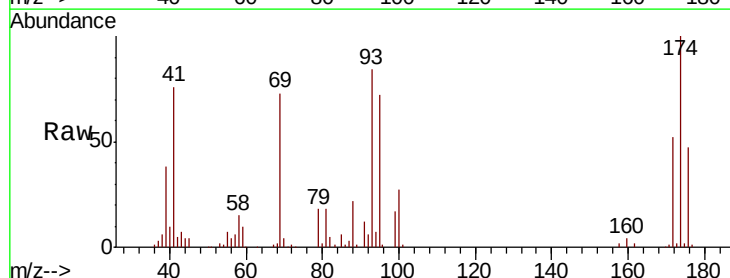
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

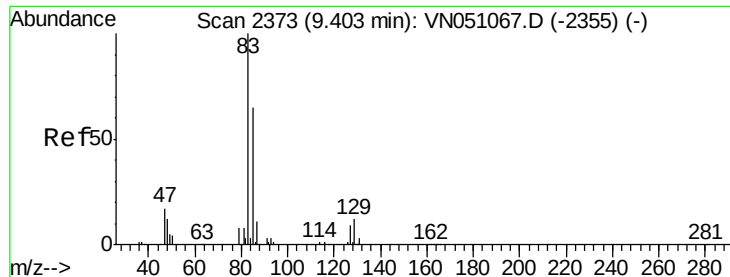
Tot Ion: 63 Resp: 152383
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.7 37.1



#46
 Dibromomethane
 Concen: 18.99 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 93 Resp: 90358
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 117.8 93.3 139.9





#47

Bromodichloromethane

Concen: 19.46 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

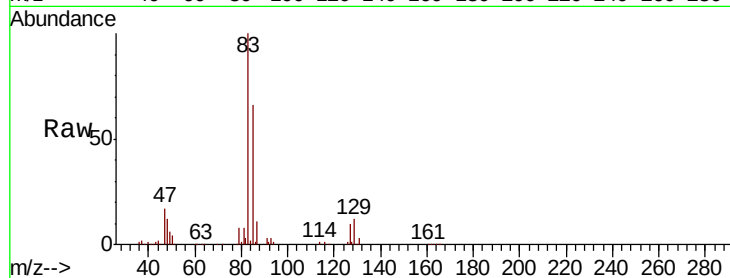
Tot Ion: 83 Resp: 188245

Ion Ratio Lower Upper

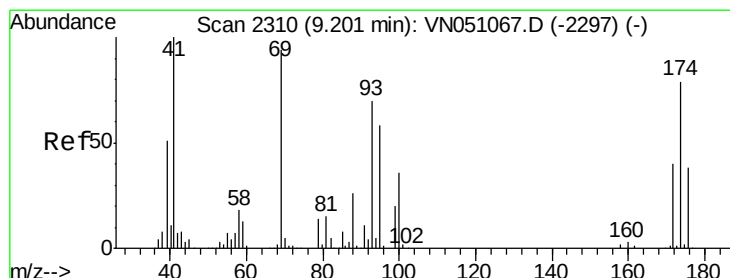
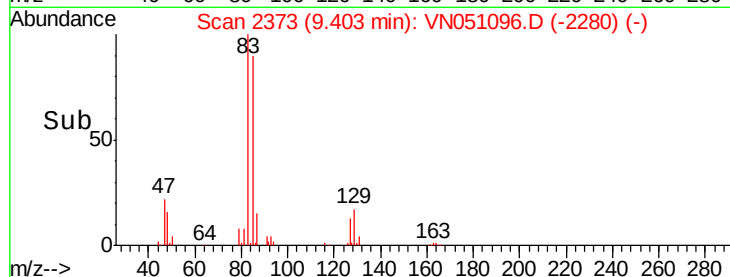
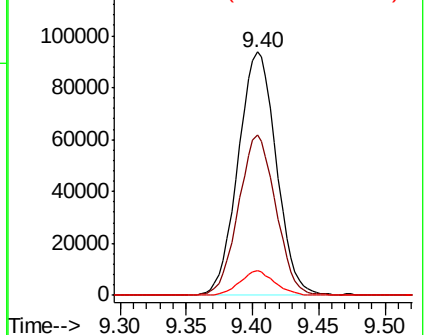
83 100

85 65.9 52.3 78.5

127 9.9 7.5 11.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.85 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

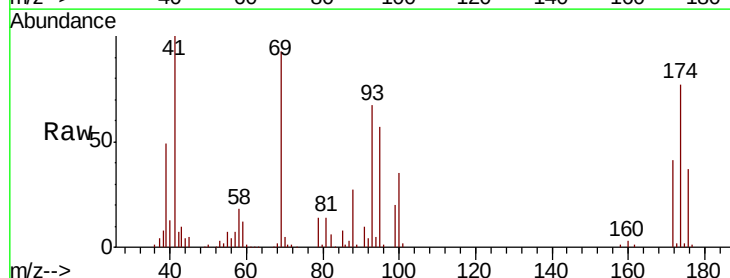
Tgt Ion: 41 Resp: 99000

Ion Ratio Lower Upper

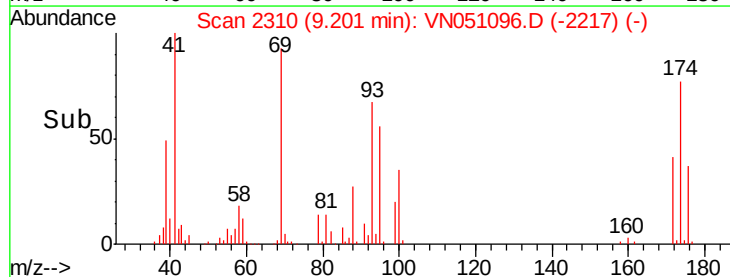
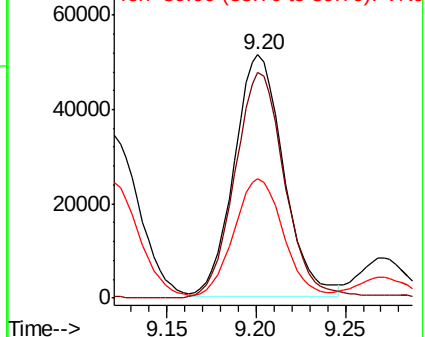
41 100

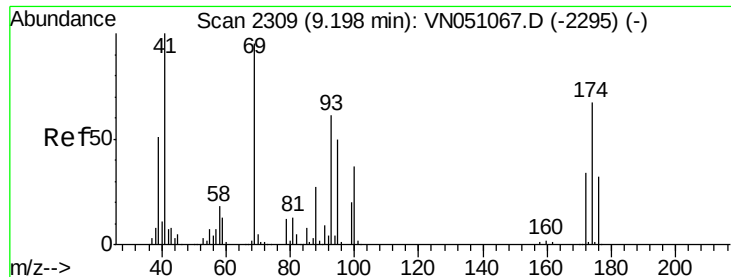
69 94.4 77.7 116.5

39 49.3 41.6 62.4



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





#49

1,4-Dioxane

Concen: 378.69 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.01 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleID :

VN0910MBSD02

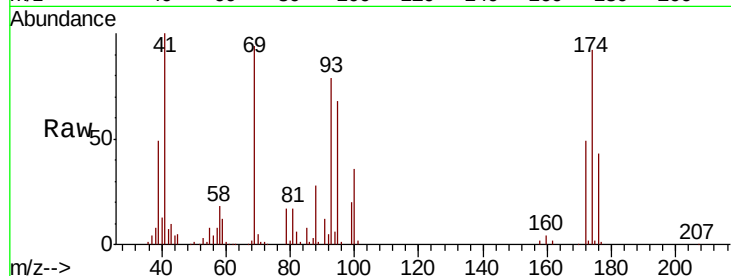
Tot Ion: 88 Resp: 29621

Ion Ratio Lower Upper

88 100

43 31.5 23.7 35.5

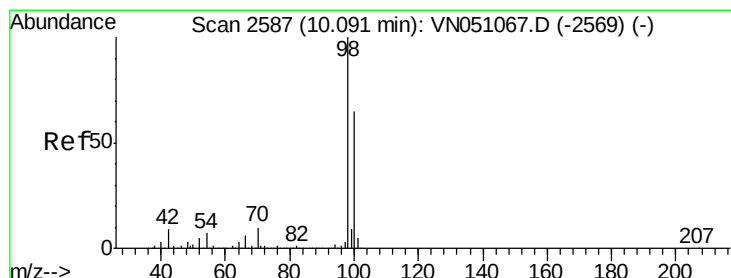
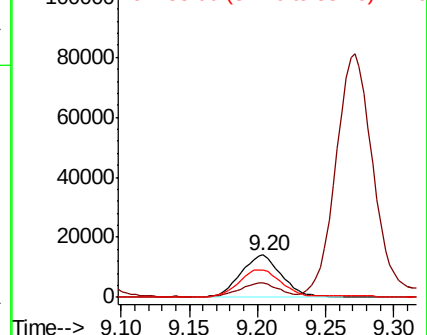
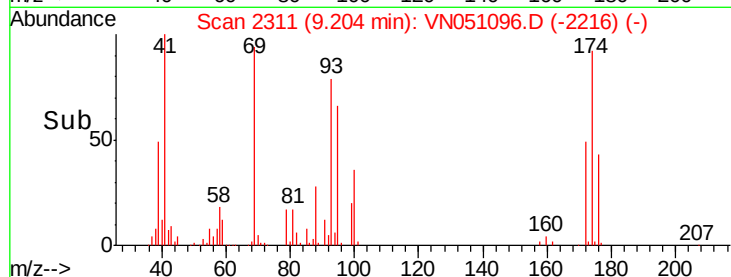
58 67.0 54.6 82.0



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.19 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051096.D

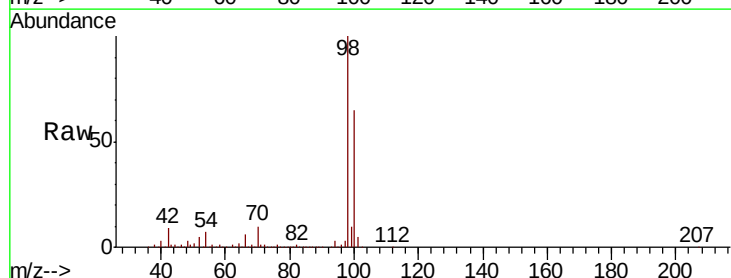
Acq: 10 Sep 2018 23:32

Tgt Ion: 98 Resp: 1305518

Ion Ratio Lower Upper

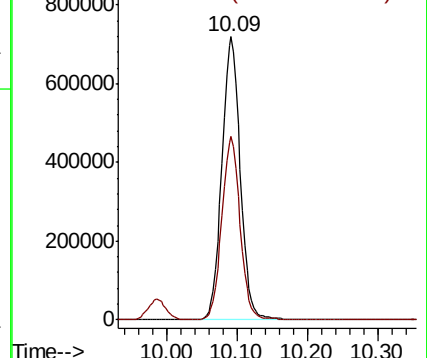
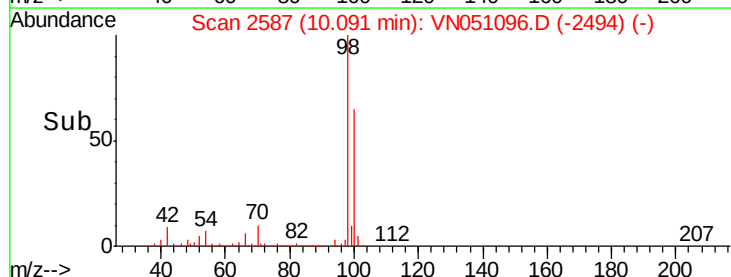
98 100

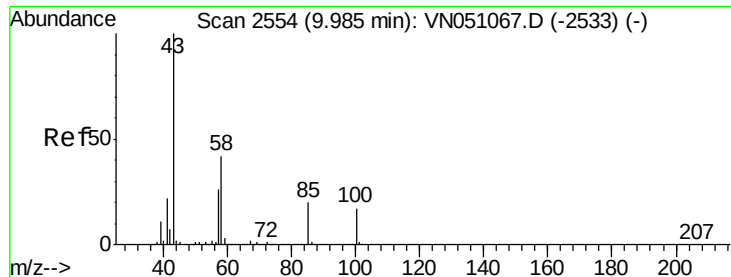
100 64.6 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.47 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

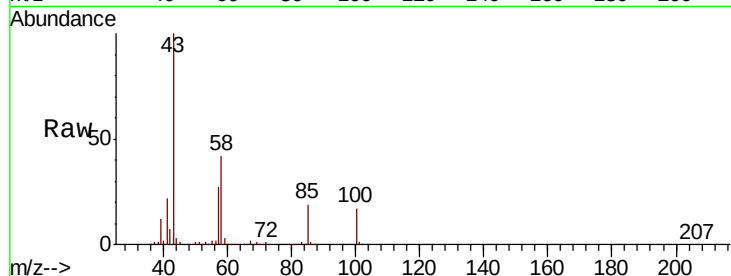
VN0910MBSD02

Tot Ion: 43 Resp: 568673

Ion Ratio Lower Upper

43 100

58 41.8 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)

300000

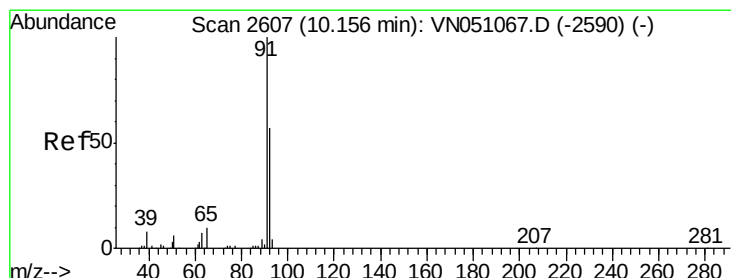
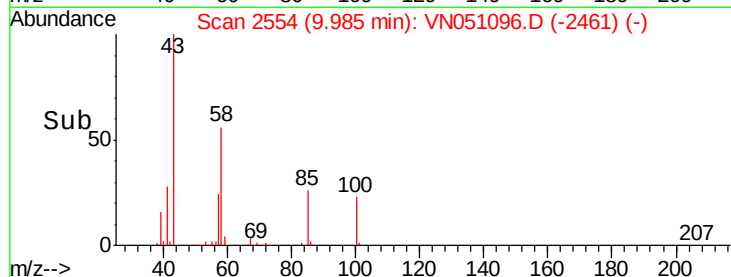
200000

100000

0

9.90 10.00

Time-->



#52

Toluene

Concen: 19.52 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051096.D

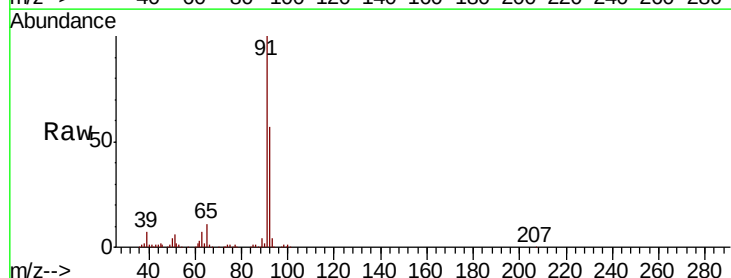
Acq: 10 Sep 2018 23:32

Tgt Ion: 92 Resp: 359227

Ion Ratio Lower Upper

92 100

91 175.3 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051067.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051067.D (-2590) (-)

400000

300000

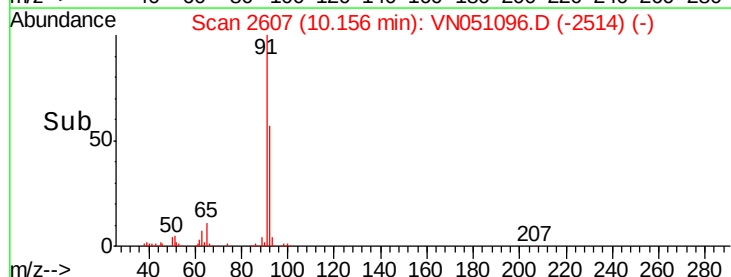
200000

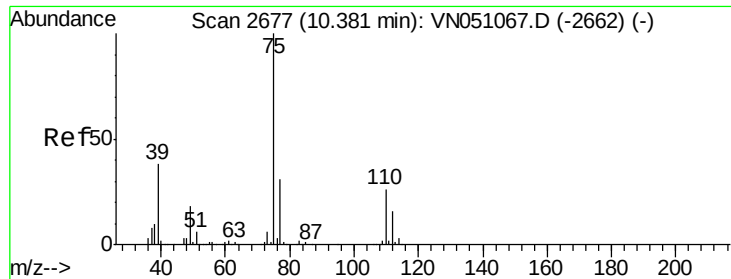
100000

0

10.10 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.37 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

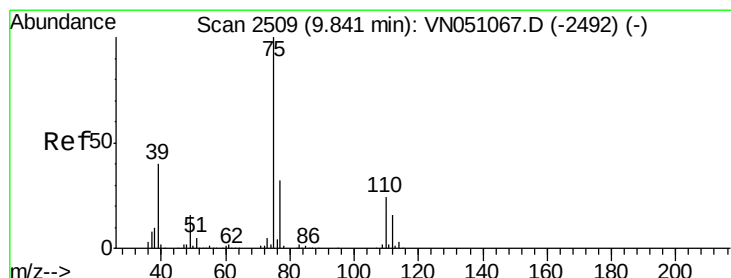
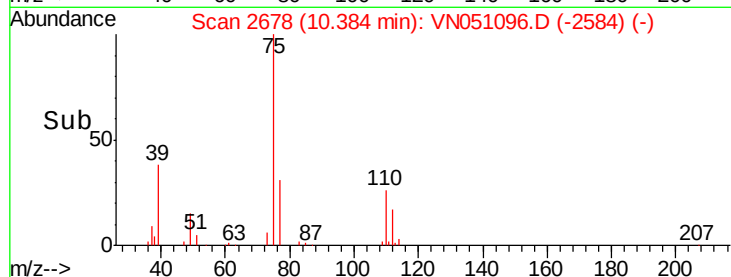
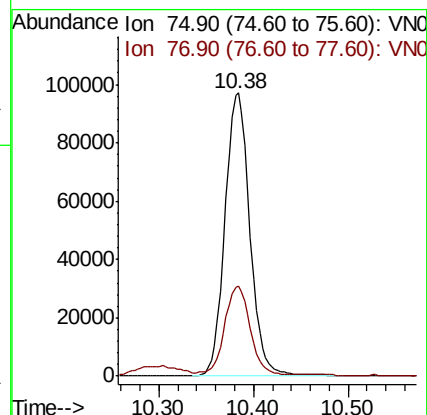
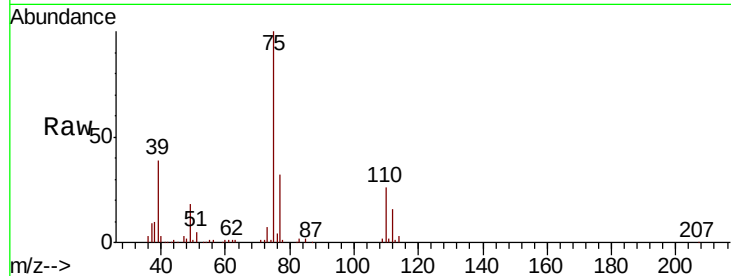
VN0910MBSD02

Tot Ion: 75 Resp: 177870

Ion Ratio Lower Upper

75 100

77 31.3 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.57 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

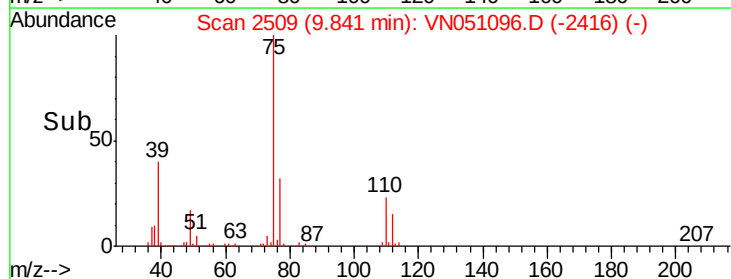
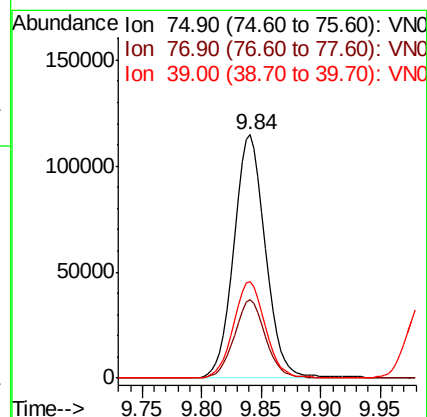
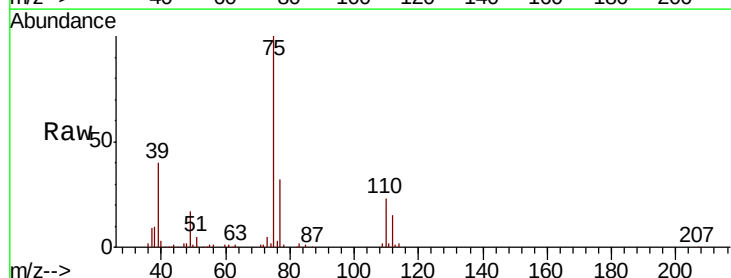
Tgt Ion: 75 Resp: 210834

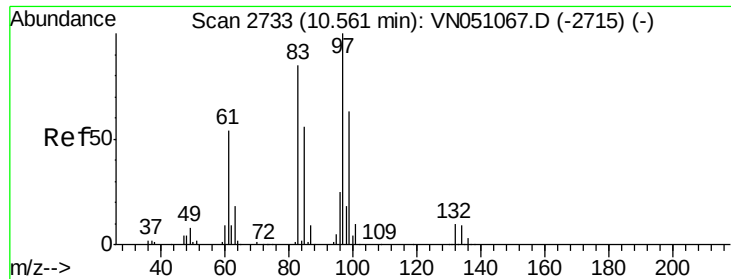
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

39 39.8 31.9 47.9

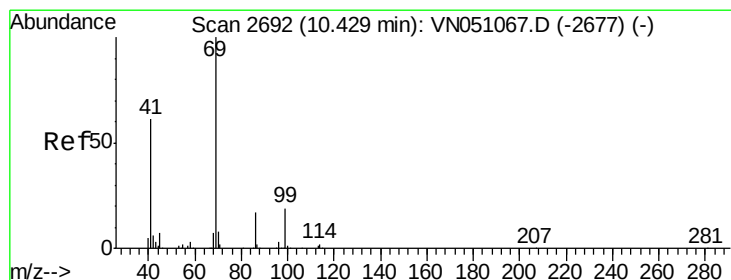
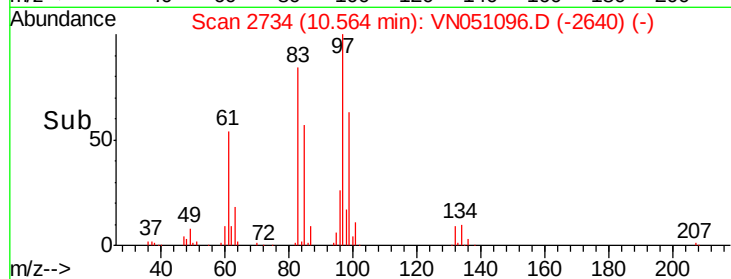
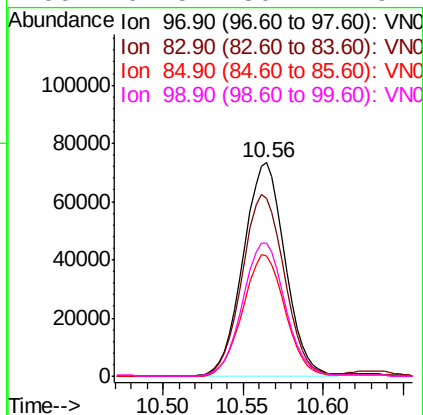
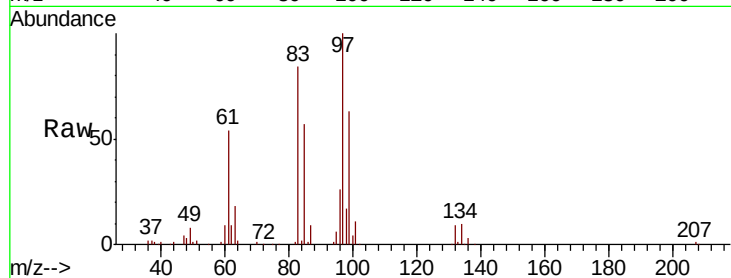




#55
 1,1,2-Trichloroethane
 Concen: 19.68 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

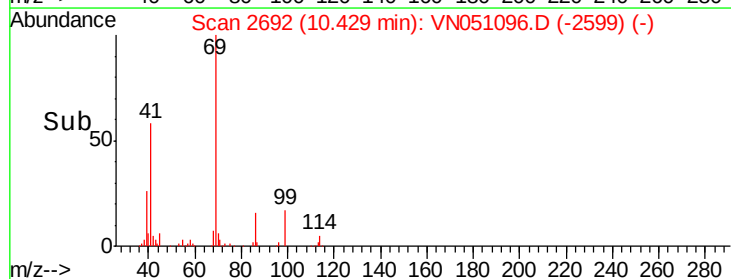
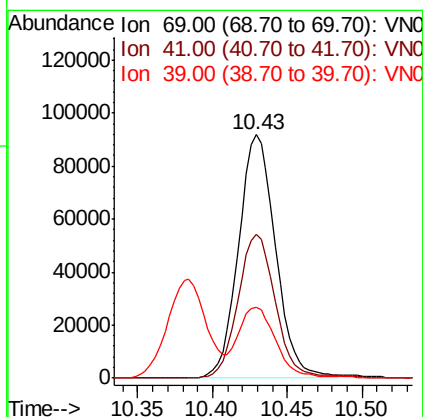
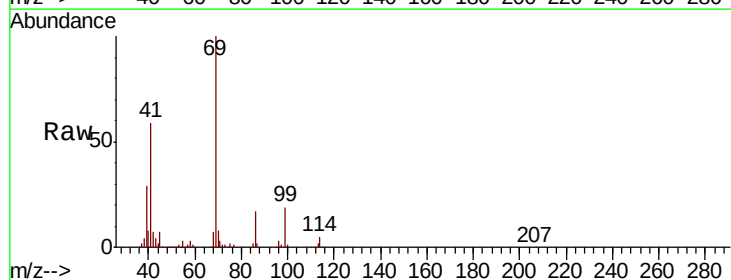
Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBSD02

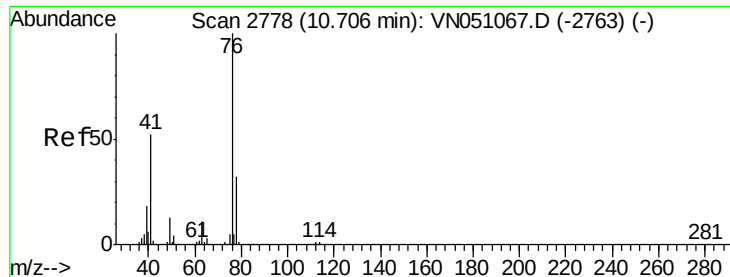
Tot Ion: 97 Resp: 131550
 Ion Ratio Lower Upper
 97 100
 83 83.5 68.2 102.2
 85 56.6 44.8 67.2
 99 62.5 50.2 75.4



#56
 Ethyl methacrylate
 Concen: 19.28 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion: 69 Resp: 158769
 Ion Ratio Lower Upper
 69 100
 41 58.8 47.8 71.8
 39 30.0 23.0 34.4





#57

1,3-Dichloropropane

Concen: 19.64 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampled :

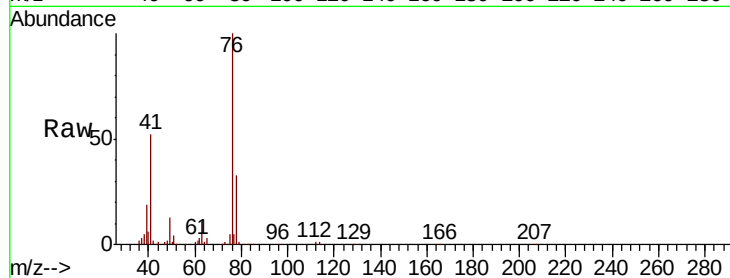
VN0910MBSD02

Tot Ion: 76 Resp: 217734

Ion Ratio Lower Upper

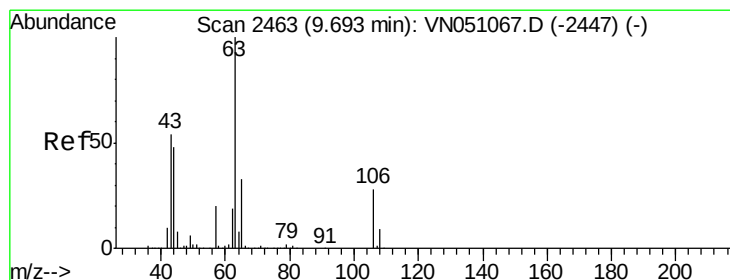
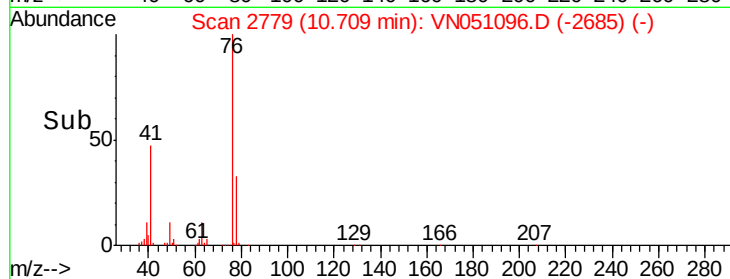
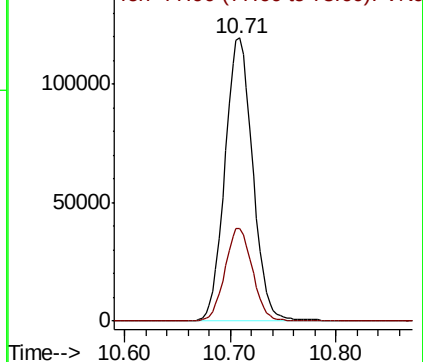
76 100

78 32.5 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.98 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051096.D

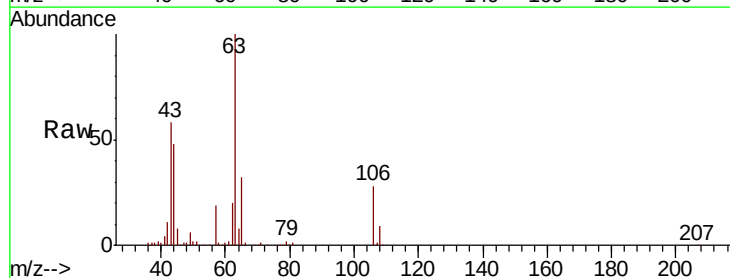
Acq: 10 Sep 2018 23:32

Tgt Ion: 63 Resp: 328347

Ion Ratio Lower Upper

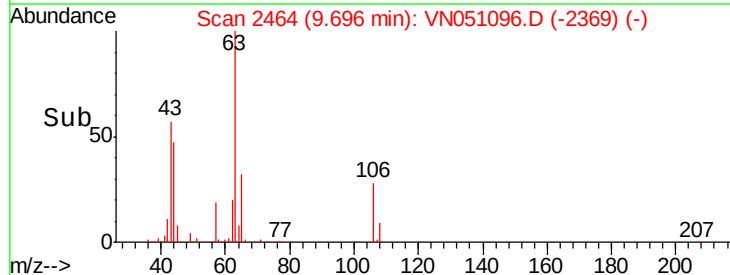
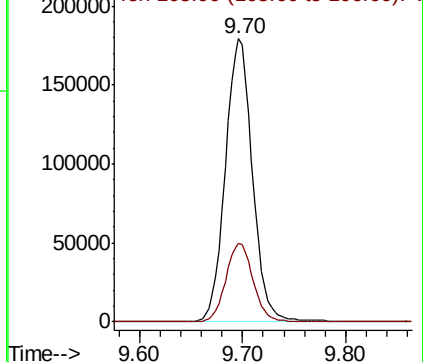
63 100

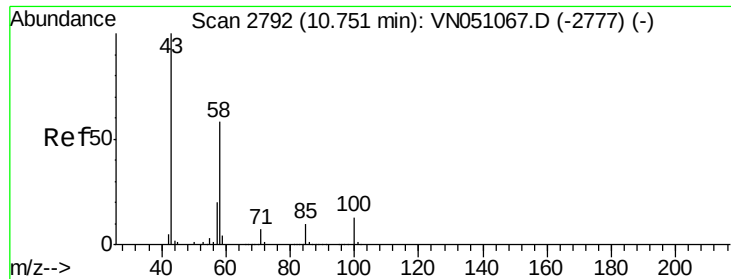
106 27.9 22.5 33.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

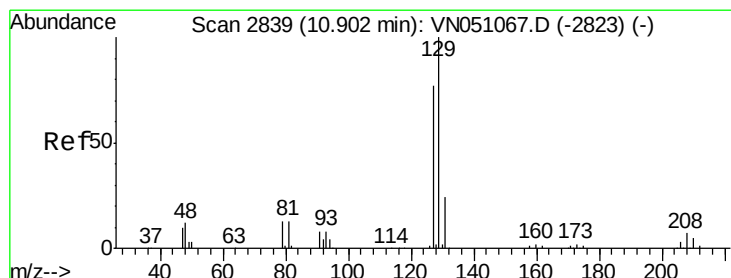
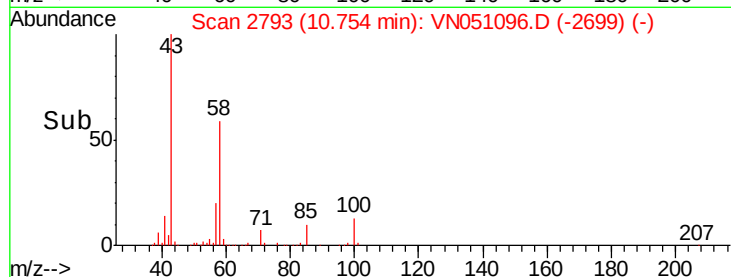
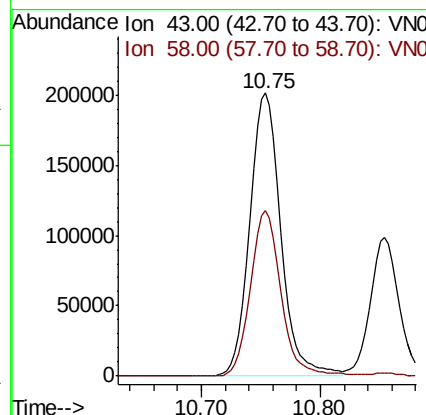
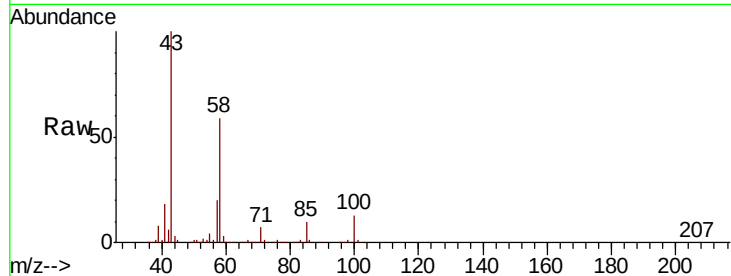




#59
2-Hexanone
Concen: 94.65 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

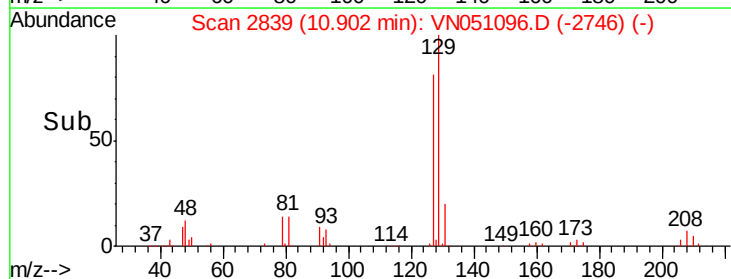
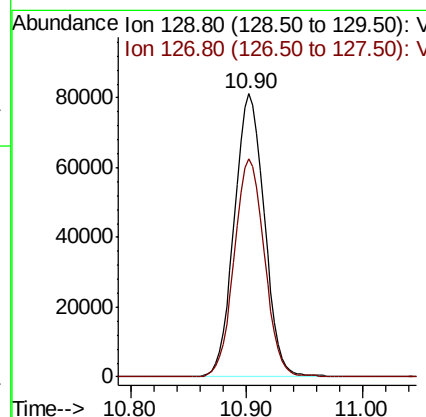
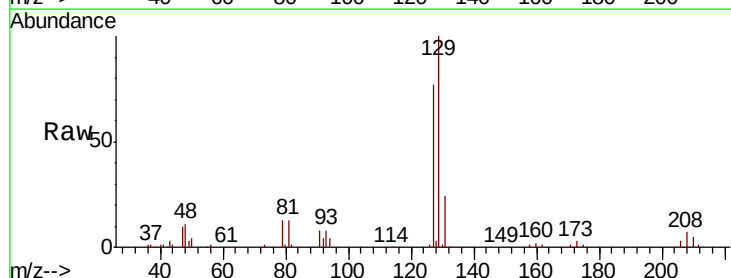
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

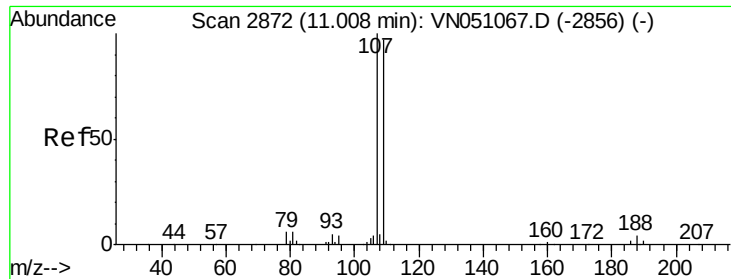
Tot Ion: 43 Resp: 363338
Ion Ratio Lower Upper
43 100
58 57.7 29.3 88.0



#60
Dibromochloromethane
Concen: 19.38 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 129 Resp: 146054
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.42 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

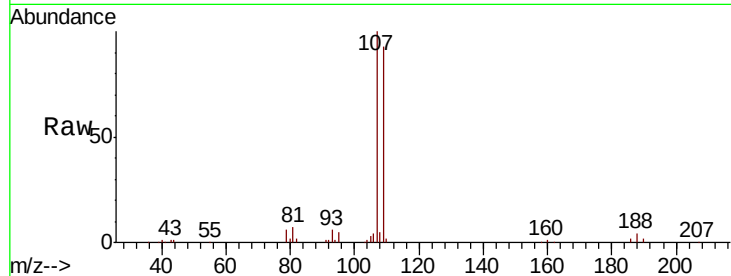
VN0910MBSD02

Tot Ion: 107 Resp: 126883

Ion Ratio Lower Upper

107 100

109 94.5 76.0 114.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

80000

60000

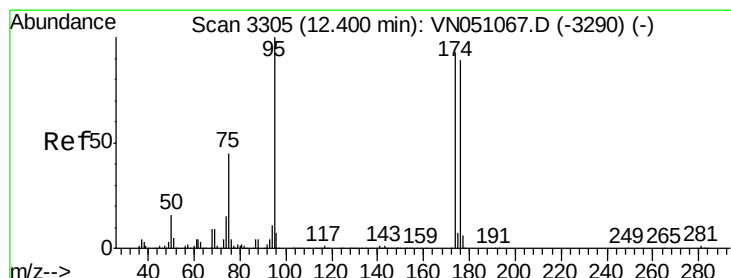
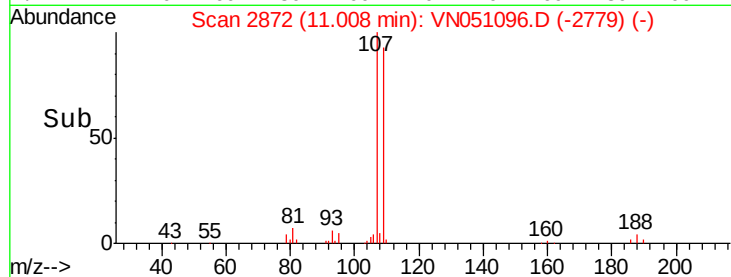
40000

20000

0

11.01

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 48.23 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

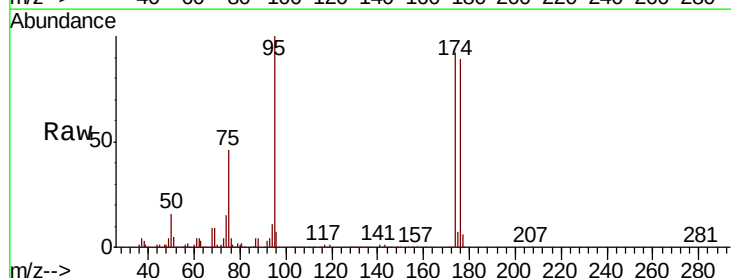
Tgt Ion: 95 Resp: 414991

Ion Ratio Lower Upper

95 100

174 92.7 0.0 184.8

176 89.7 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

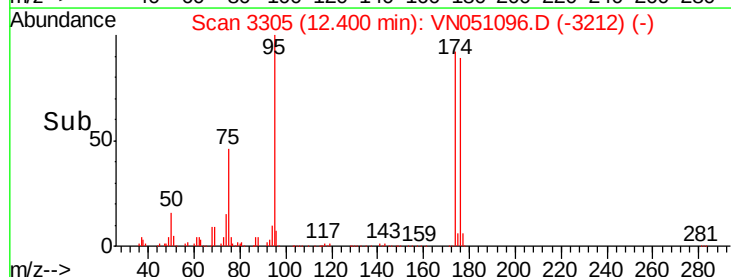
200000

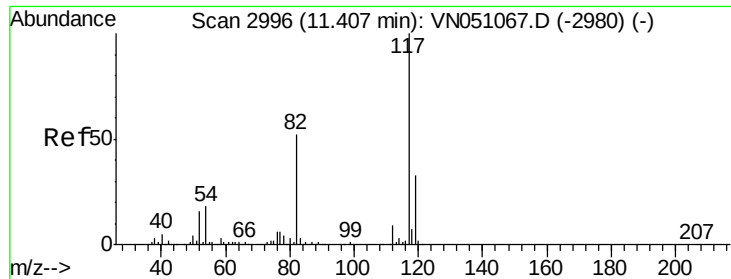
100000

0

12.40

Time--> 12.35 12.40 12.45 12.50

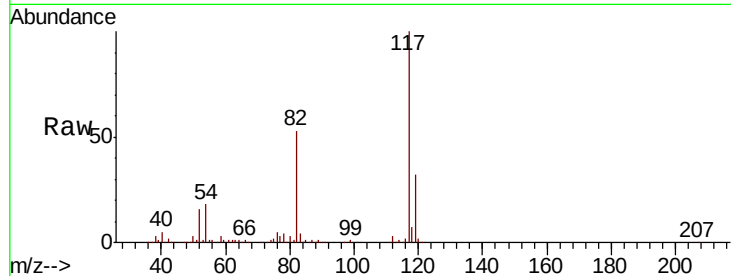




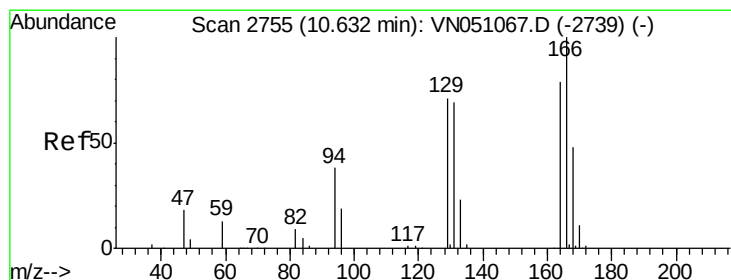
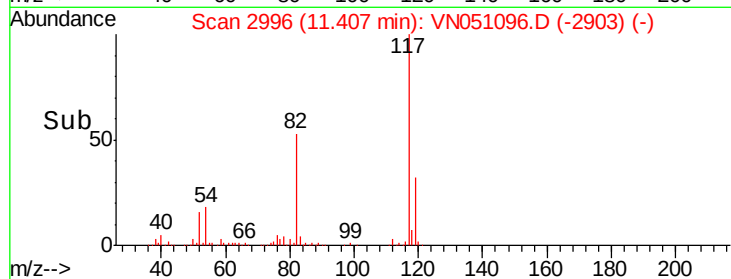
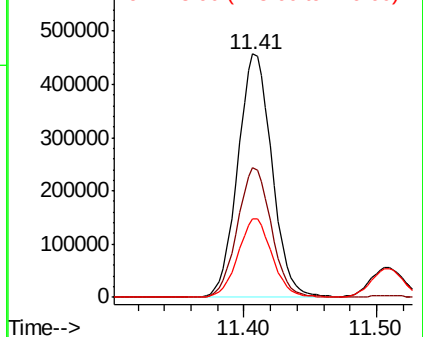
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

Tot Ion:117 Resp: 817836
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 32.1 26.2 39.2

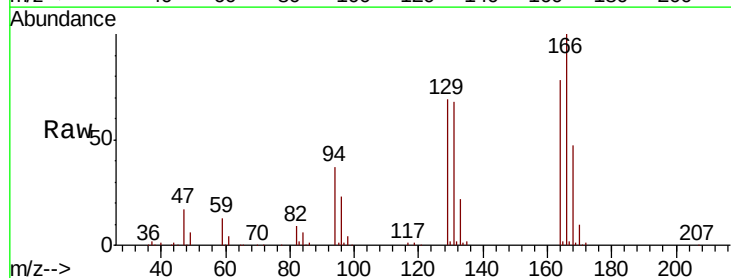


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

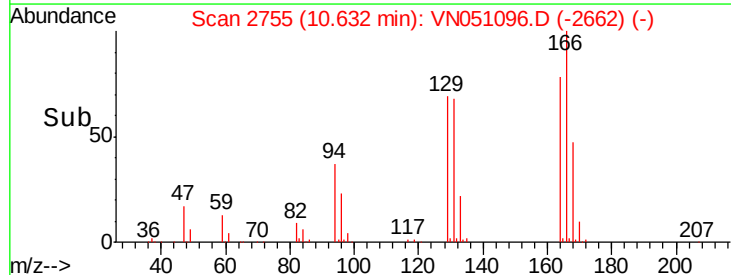
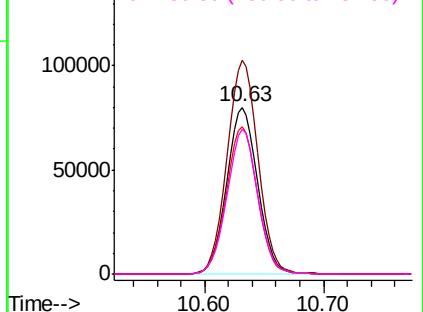


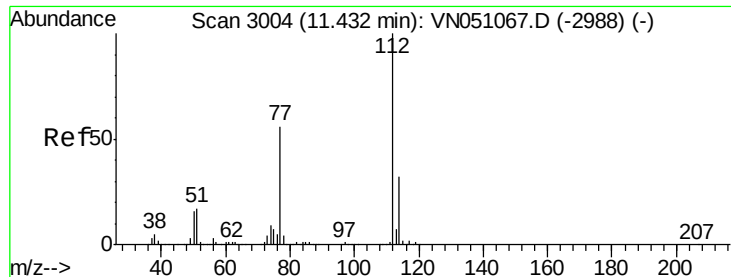
#64
Tetrachloroethene
Concen: 19.35 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion:164 Resp: 144400
Ion Ratio Lower Upper
164 100
166 127.9 101.3 151.9
129 88.0 72.2 108.2
131 86.5 70.2 105.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

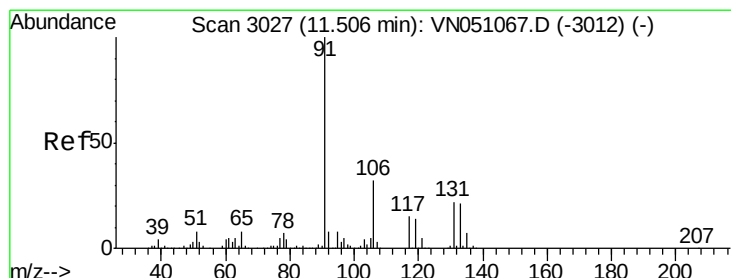
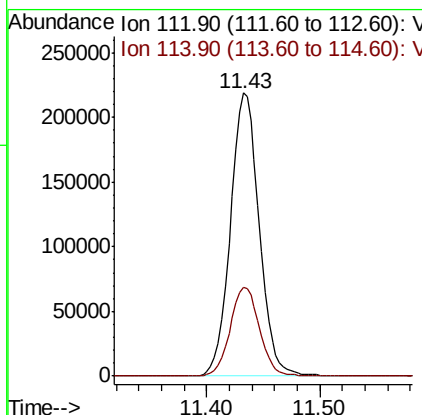
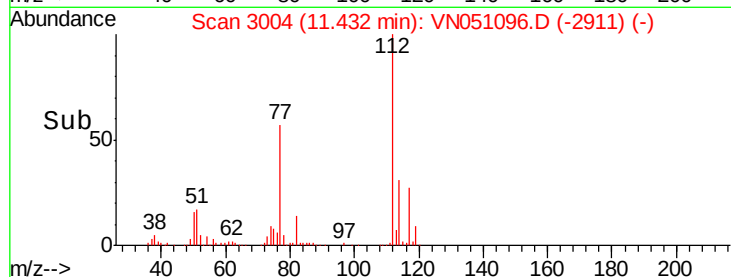
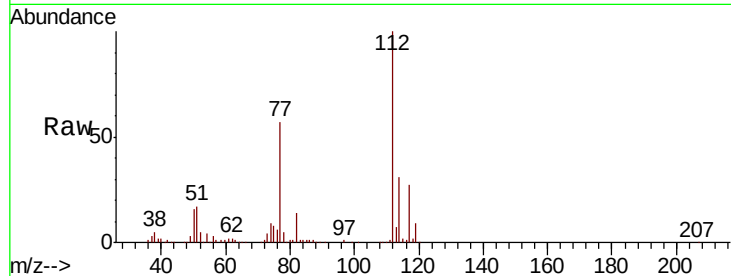




#65
Chlorobenzene
Concen: 18.76 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

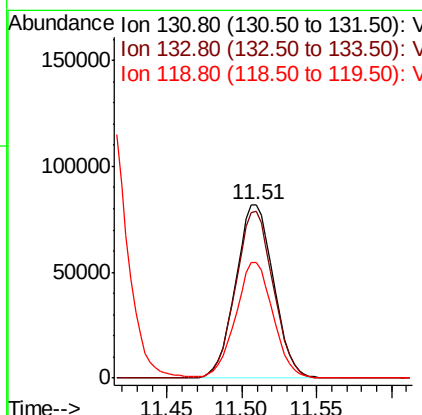
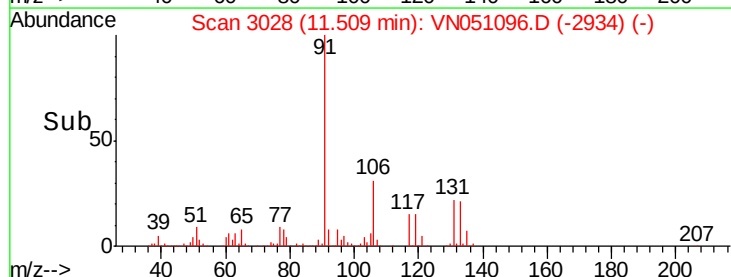
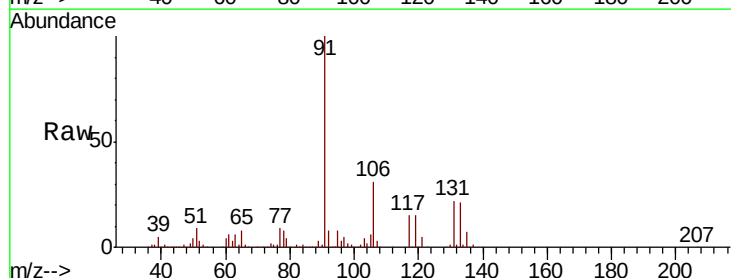
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

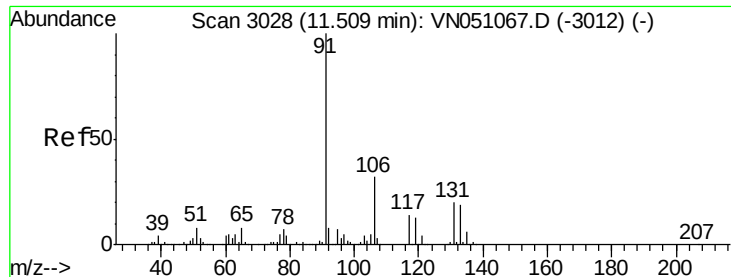
Tot Ion:112 Resp: 386664
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.47 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion:131 Resp: 144531
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.6
119 65.9 33.2 99.6

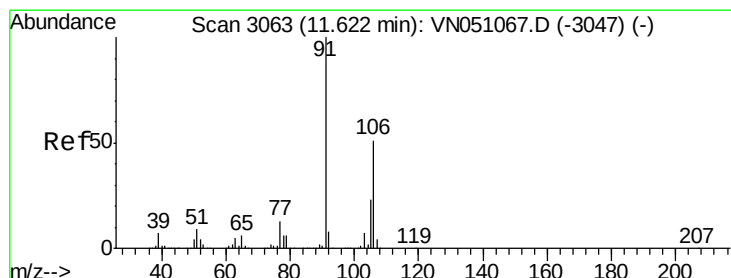
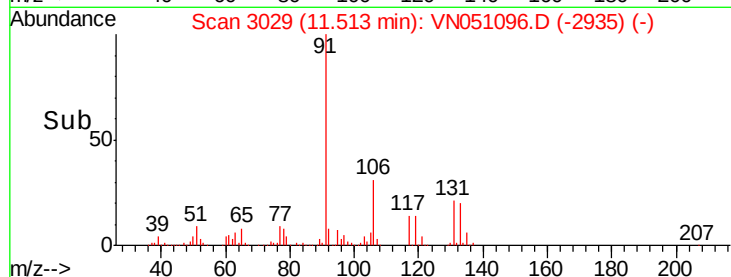
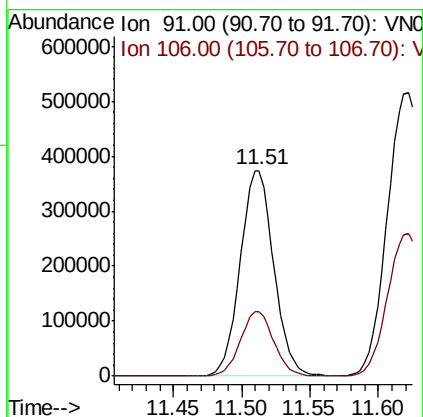
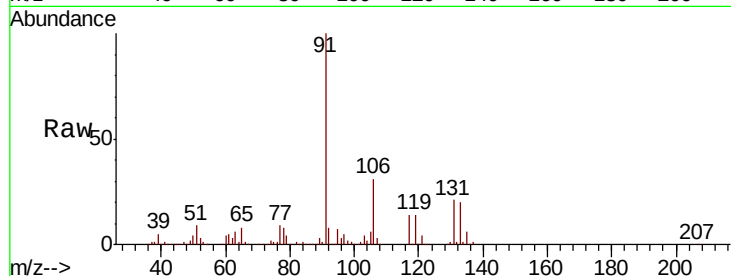




#67
Ethyl Benzene
Concen: 19.12 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

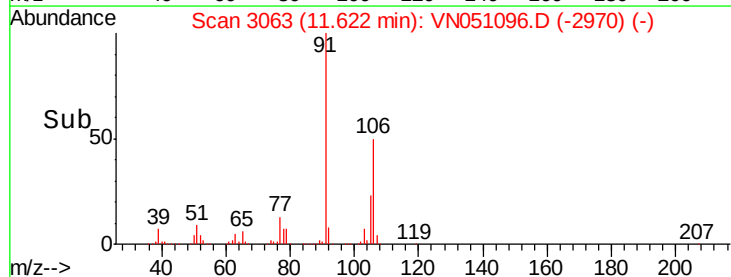
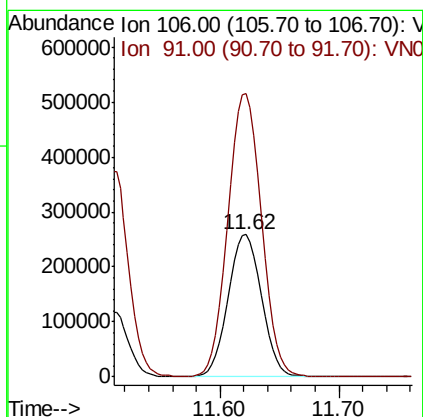
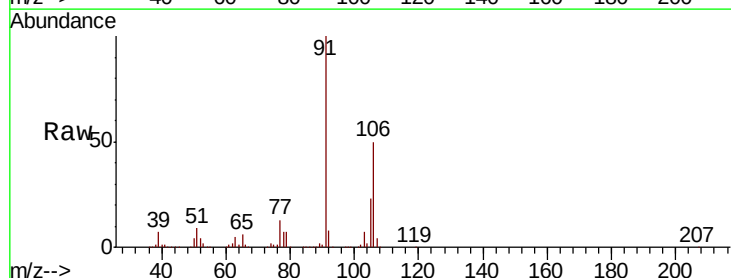
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

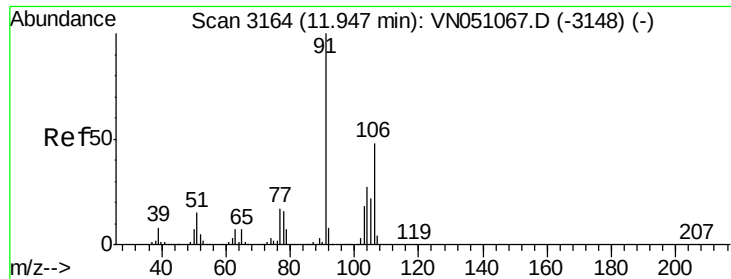
Tot Ion: 91 Resp: 638214
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2



#68
m/p-Xylenes
Concen: 39.36 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 106 Resp: 504938
Ion Ratio Lower Upper
106 100
91 199.6 159.8 239.6

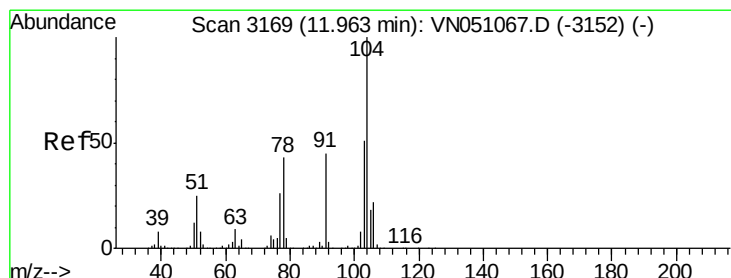
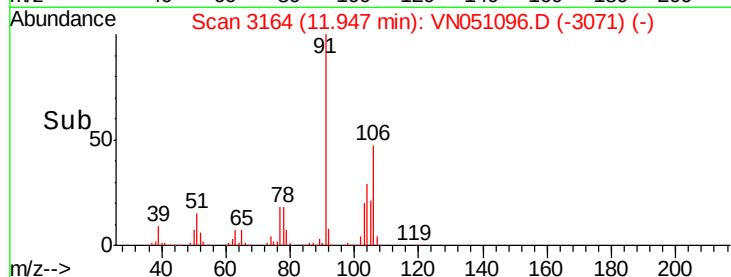
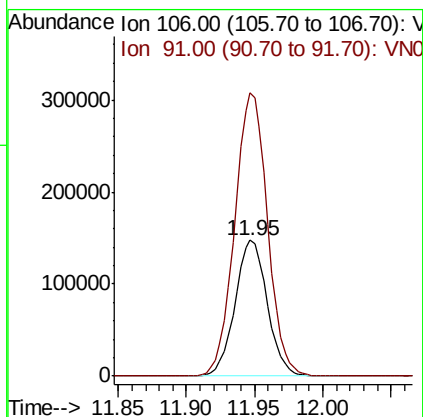
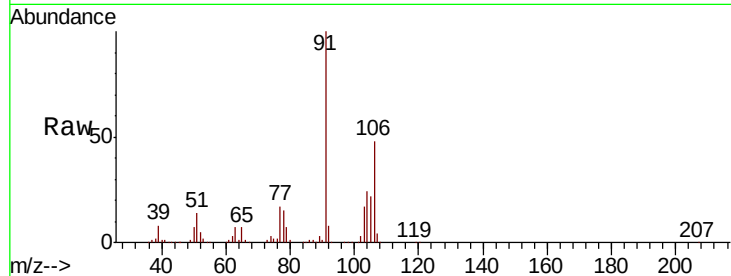




#69
o-Xylene
Concen: 19.43 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

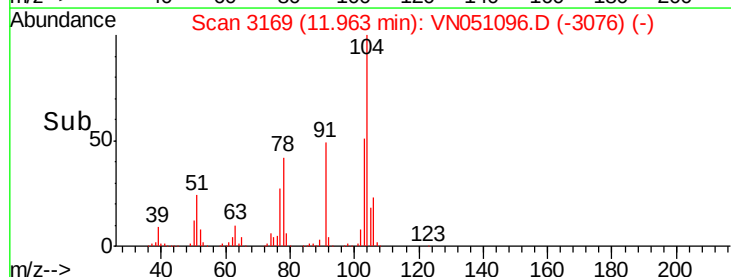
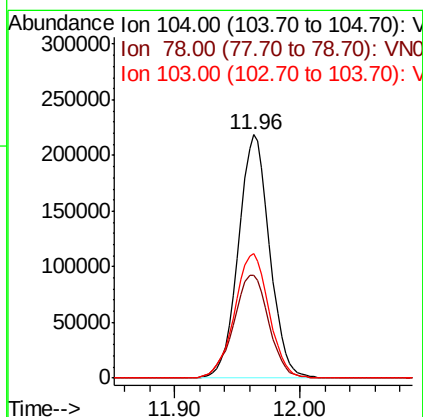
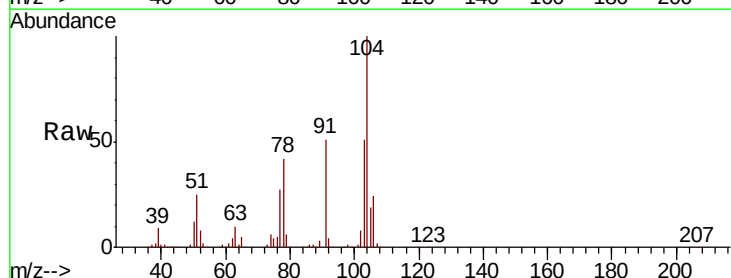
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

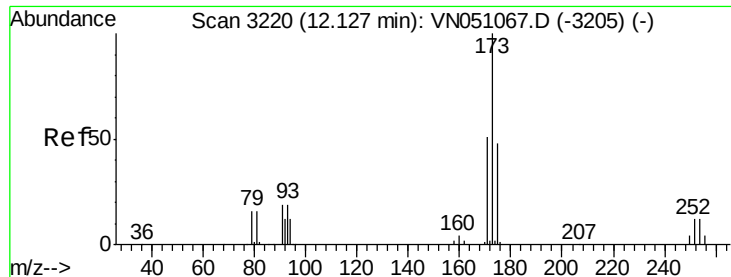
Tot Ion:106 Resp: 241366
Ion Ratio Lower Upper
106 100
91 212.4 105.1 315.1



#70
Styrene
Concen: 19.63 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion:104 Resp: 378204
Ion Ratio Lower Upper
104 100
78 47.8 37.7 56.5
103 56.4 44.6 67.0





#71

Bromoform

Concen: 19.52 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

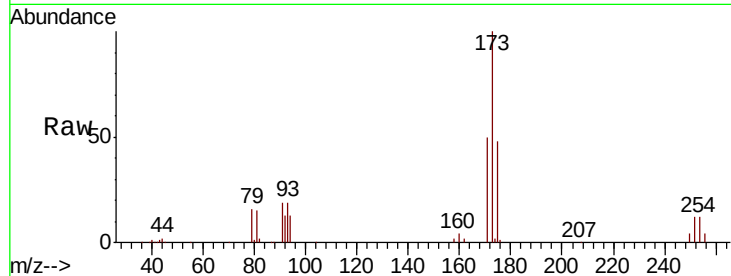
Tot Ion:173 Resp: 102009

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.9

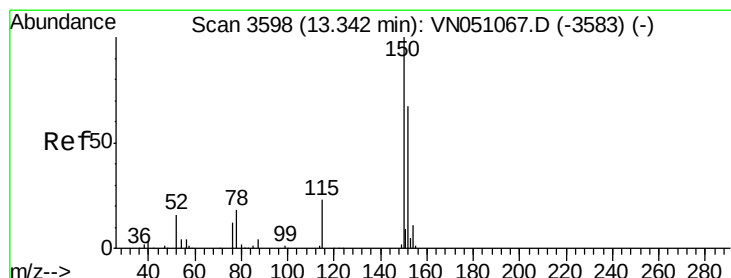
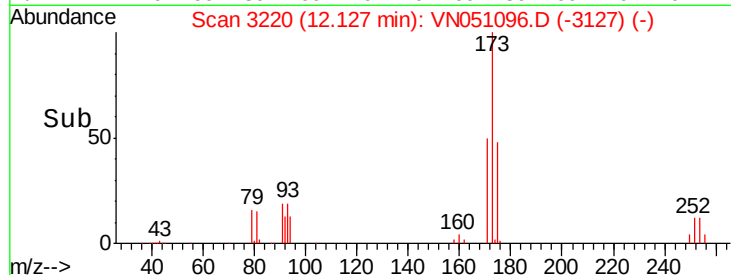
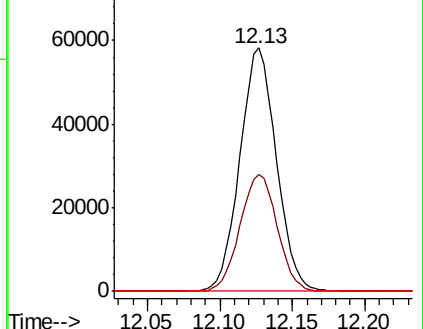
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

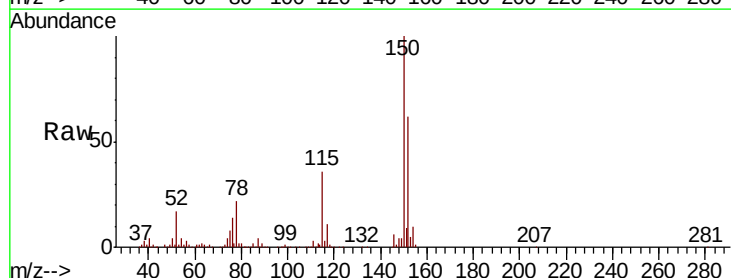
Tgt Ion:152 Resp: 392530

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.7

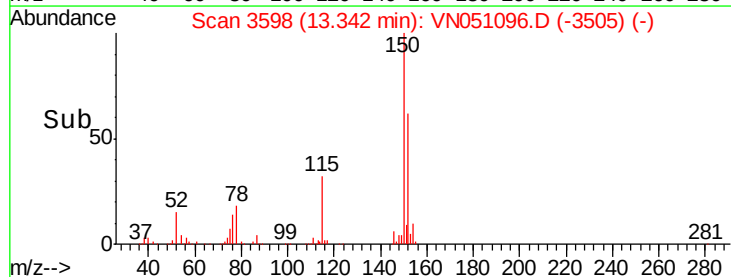
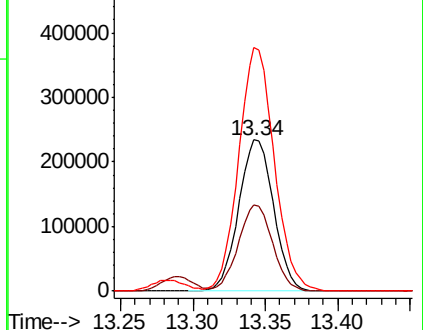
150 164.1 0.0 349.0

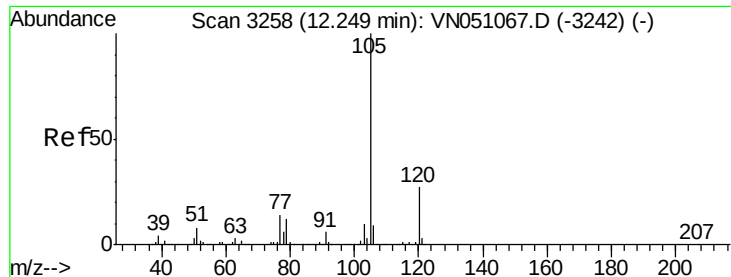


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.19 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

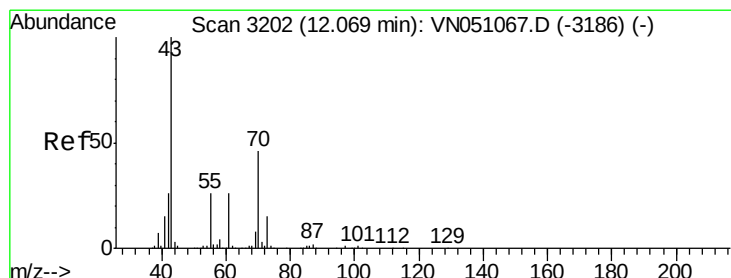
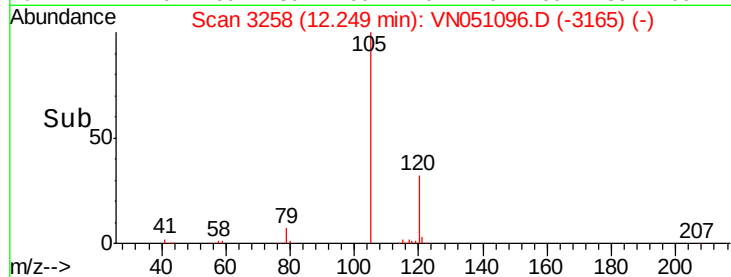
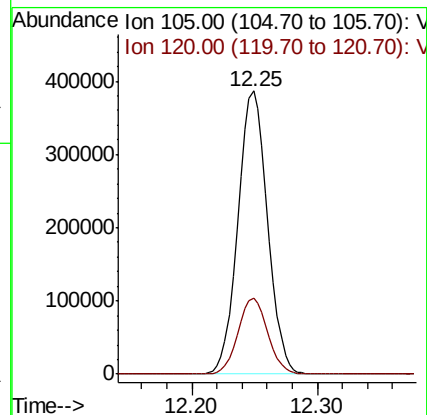
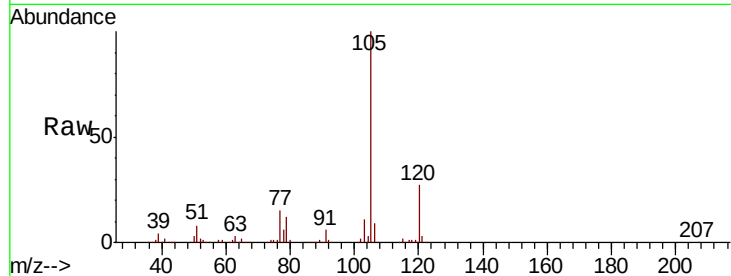
VN0910MBSD02

Tot Ion:105 Resp: 631697

Ion Ratio Lower Upper

105 100

120 26.8 13.6 40.7



#74

N-ethyl acetate

Concen: 18.48 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Tgt Ion: 43 Resp: 153115

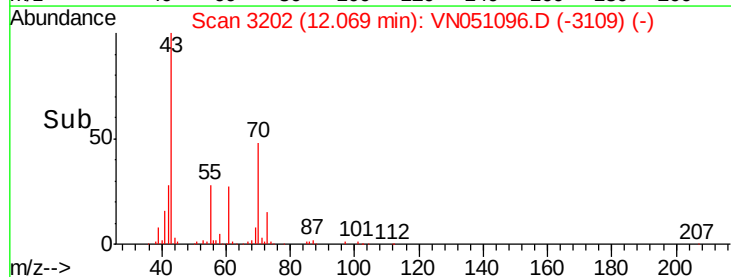
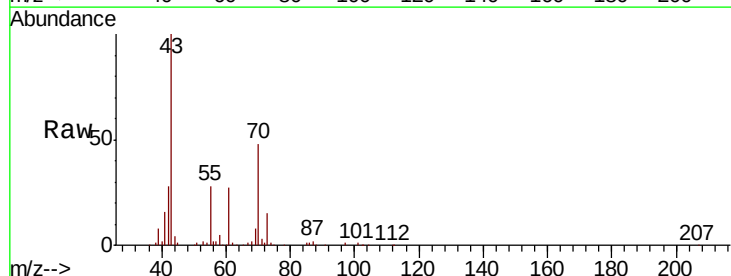
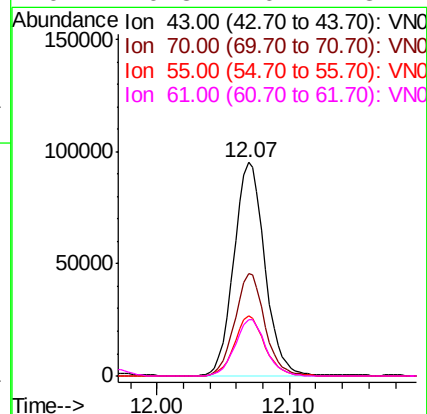
Ion Ratio Lower Upper

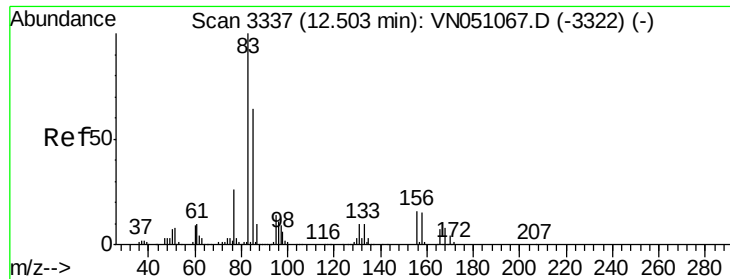
43 100

70 46.9 37.0 55.4

55 27.8 21.3 31.9

61 26.3 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.01 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

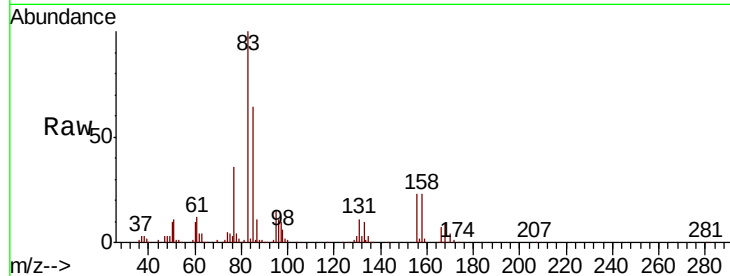
Tot Ion: 83 Resp: 165662

Ion Ratio Lower Upper

83 100

131 10.8 5.3 16.1

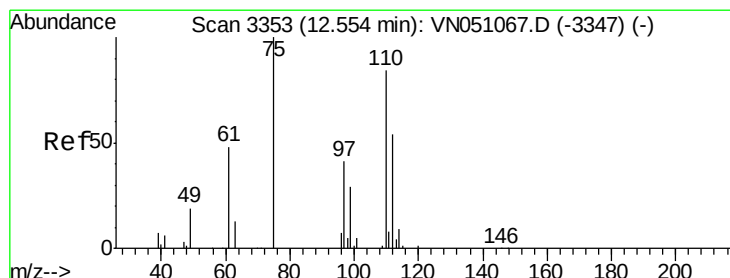
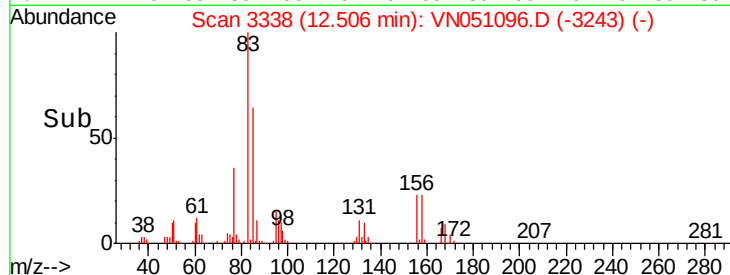
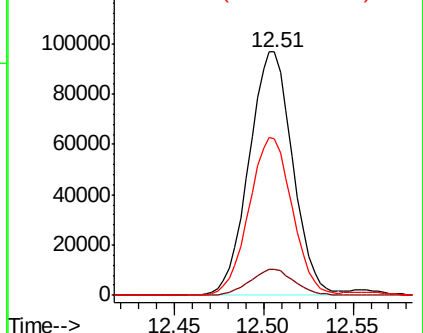
85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.08 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051096.D

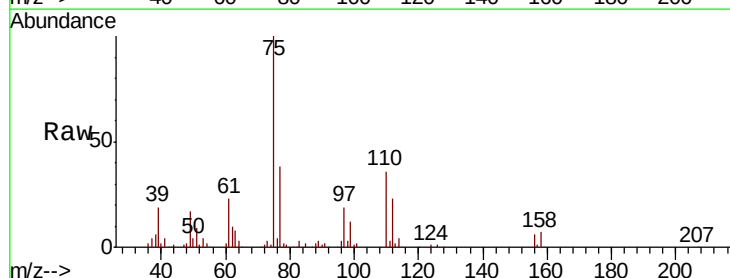
Acq: 10 Sep 2018 23:32

Tgt Ion: 75 Resp: 186681

Ion Ratio Lower Upper

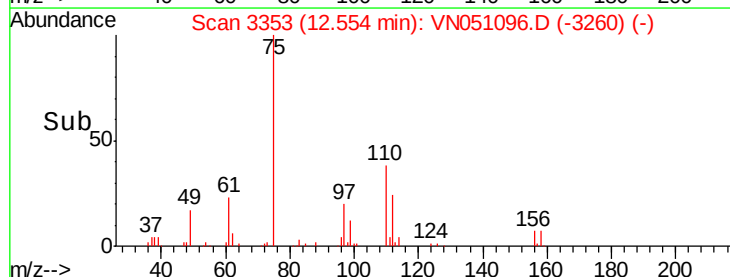
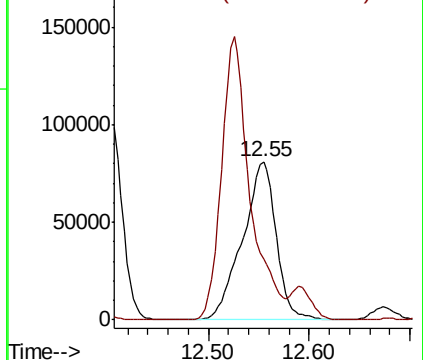
75 100

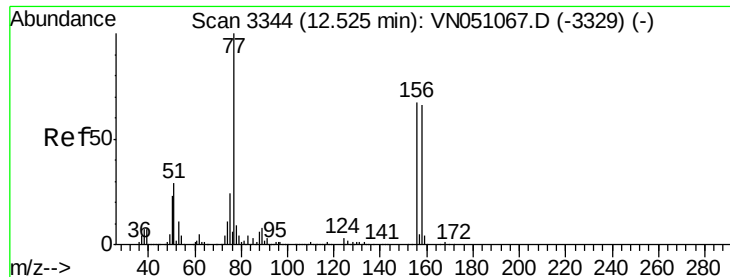
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.66 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

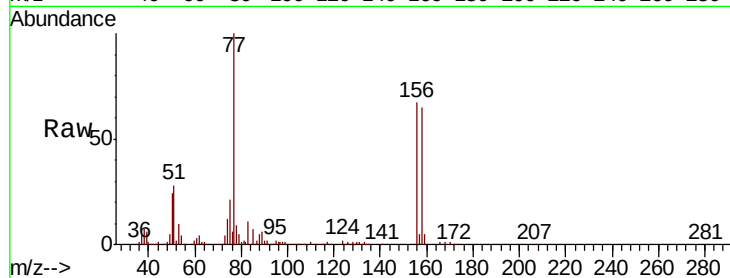
Tot Ion:156 Resp: 164973

Ion Ratio Lower Upper

156 100

77 173.9 87.5 262.6

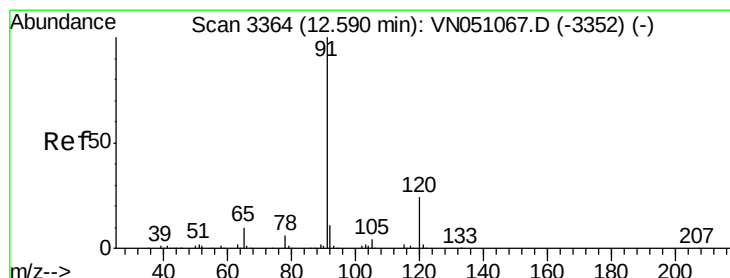
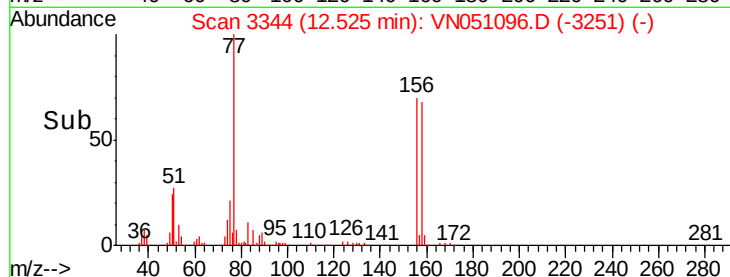
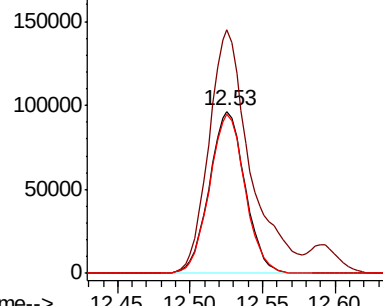
158 97.5 49.0 147.2



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: 19.06 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051096.D

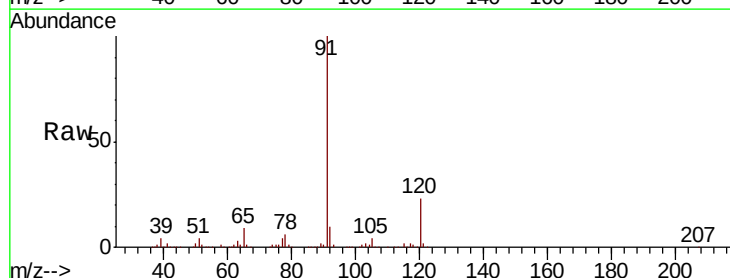
Acq: 10 Sep 2018 23:32

Tgt Ion: 91 Resp: 689734

Ion Ratio Lower Upper

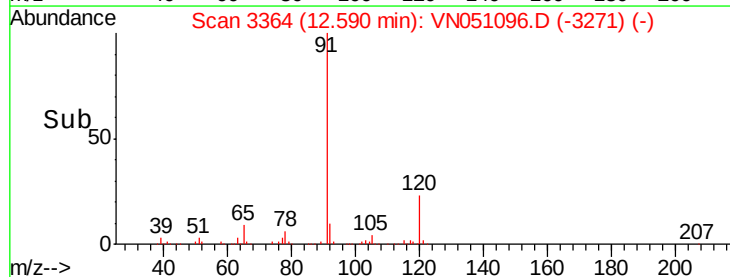
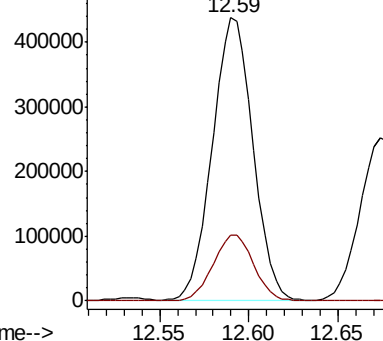
91 100

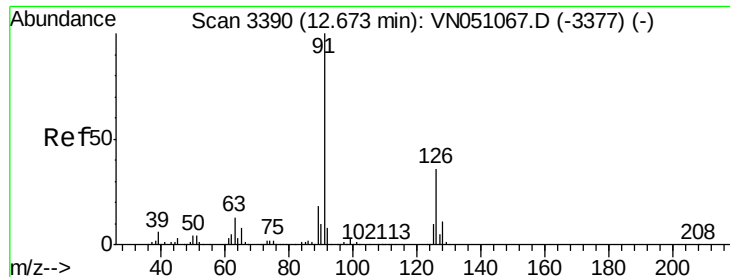
120 23.4 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.82 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

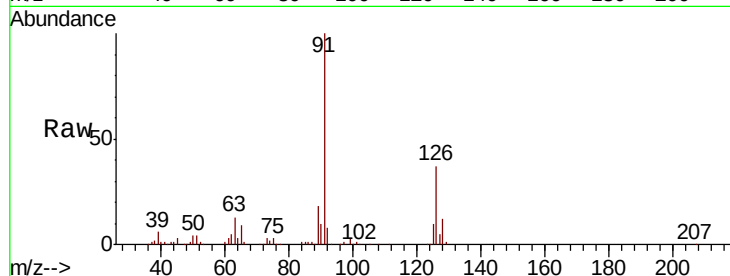
VN0910MBSD02

Tot Ion: 91 Resp: 425682

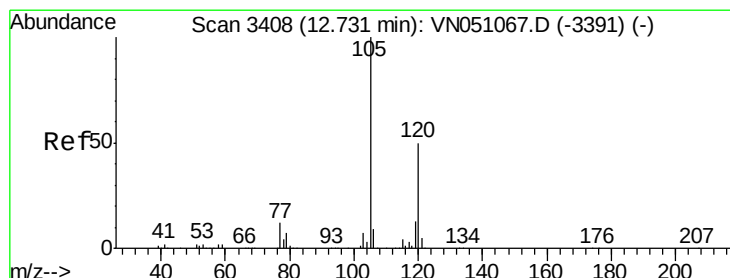
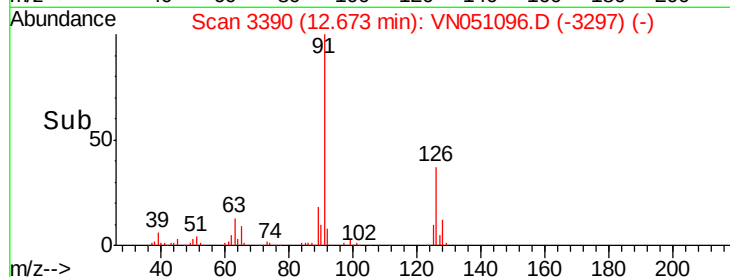
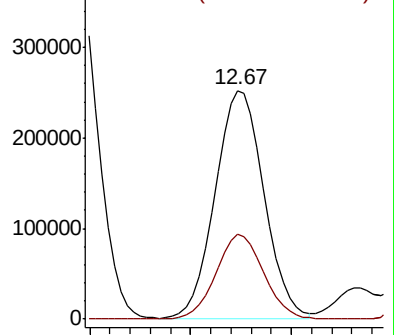
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.55 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051096.D

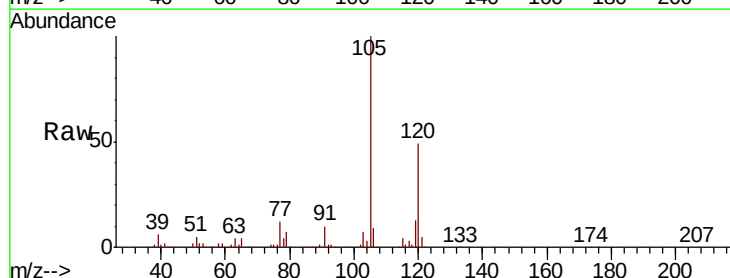
Acq: 10 Sep 2018 23:32

Tgt Ion: 105 Resp: 520419

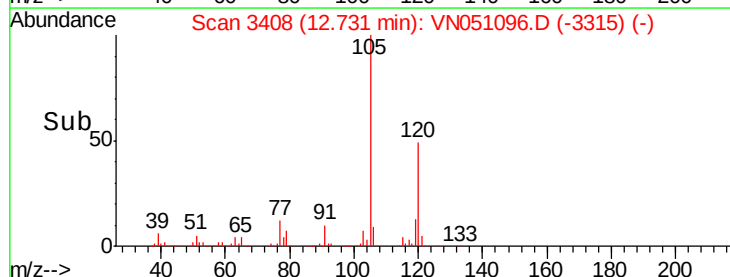
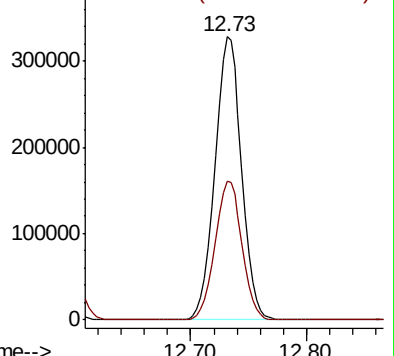
Ion Ratio Lower Upper

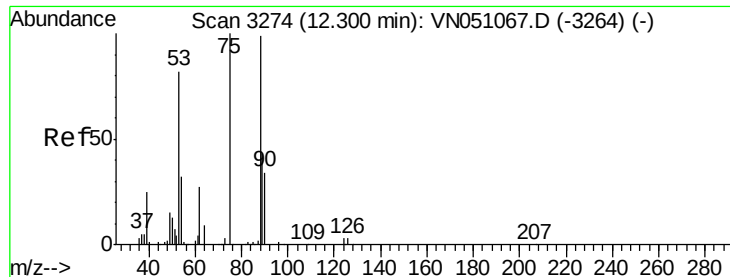
105 100

120 49.8 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.25 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

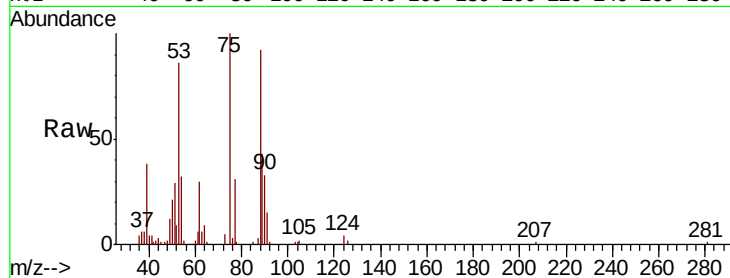
Tot Ion: 75 Resp: 37711

Ion Ratio Lower Upper

75 100

53 85.9 67.8 101.8

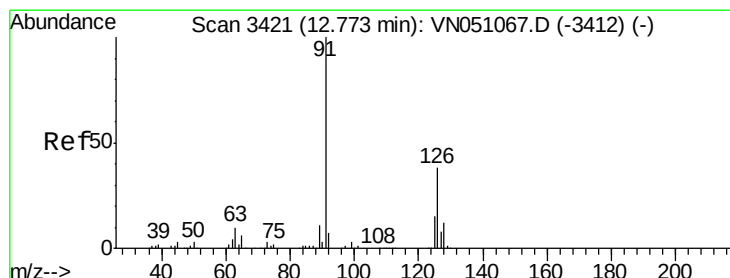
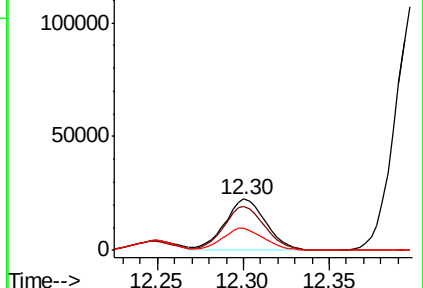
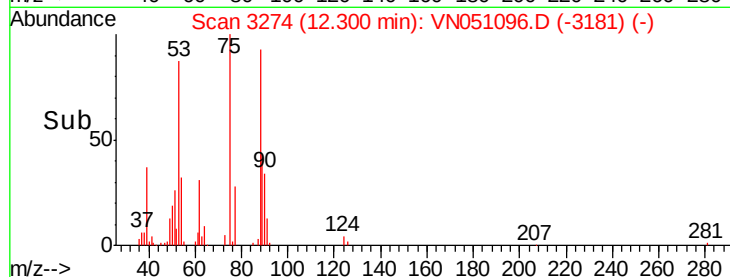
89 43.2 36.0 54.0



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: 18.74 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051096.D

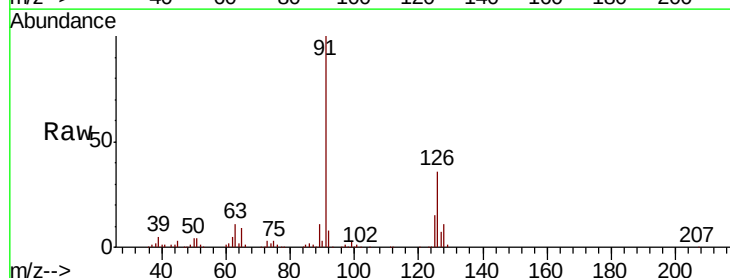
Acq: 10 Sep 2018 23:32

Tgt Ion: 91 Resp: 420771

Ion Ratio Lower Upper

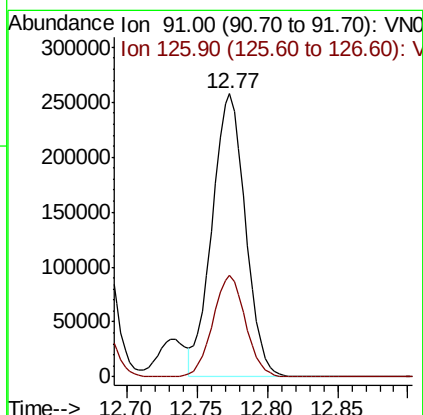
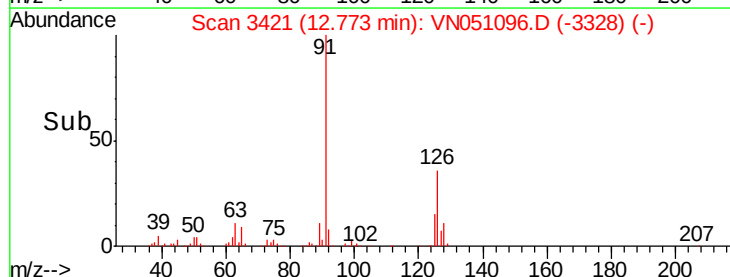
91 100

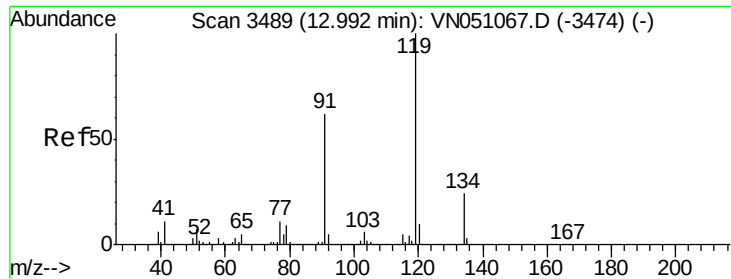
126 35.1 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

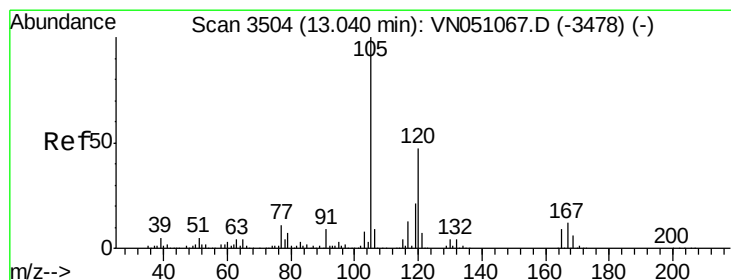
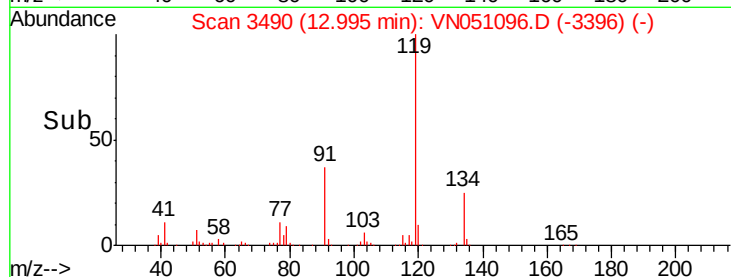
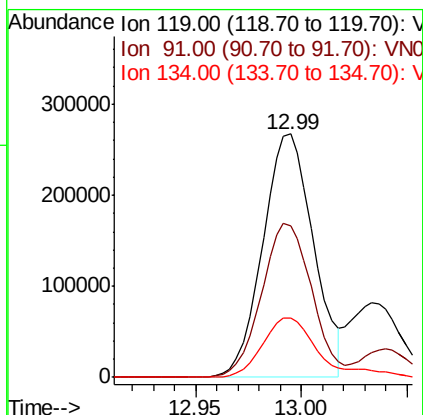
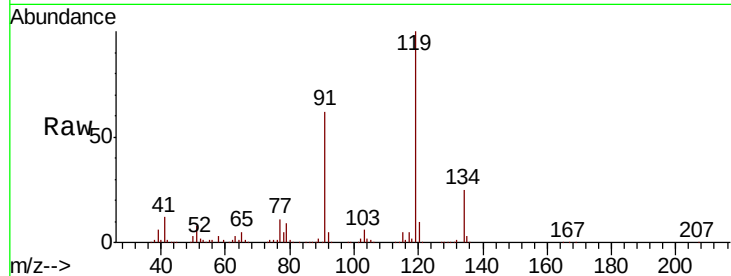




#83
 tert-Butylbenzene
 Concen: 19.03 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

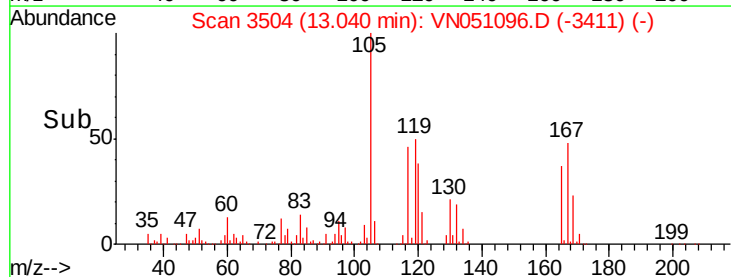
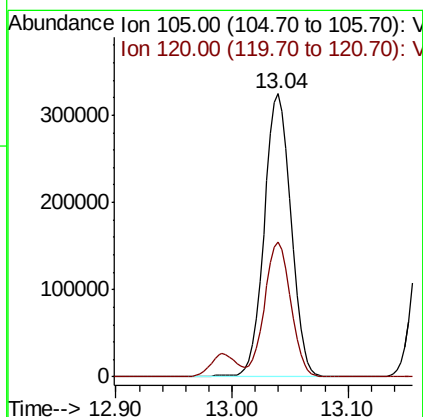
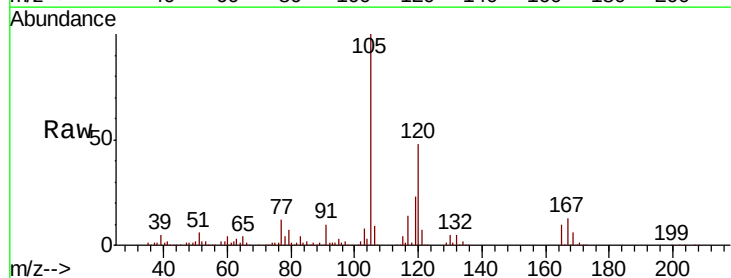
Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBSD02

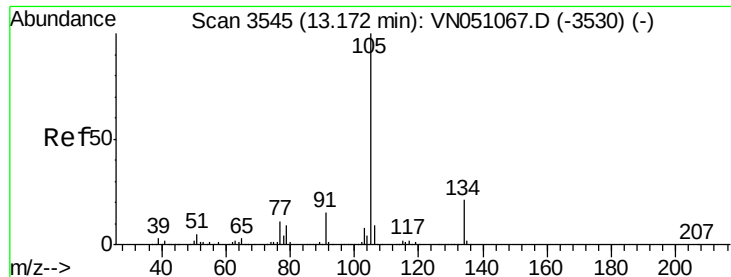
Tot Ion:119 Resp: 447170
 Ion Ratio Lower Upper
 119 100
 91 62.4 30.8 92.3
 134 27.1 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.89 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion:105 Resp: 520497
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.8





#85

sec-Butylbenzene

Concen: 19.17 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

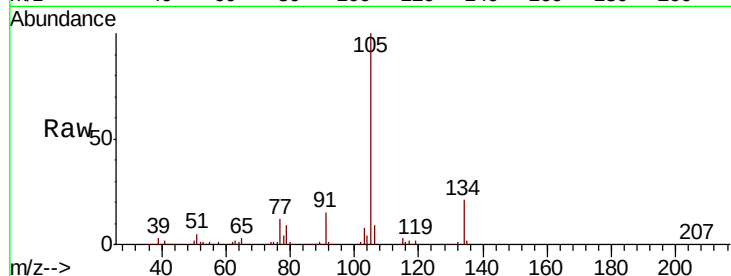
VN0910MBSD02

Tot Ion:105 Resp: 577549

Ion Ratio Lower Upper

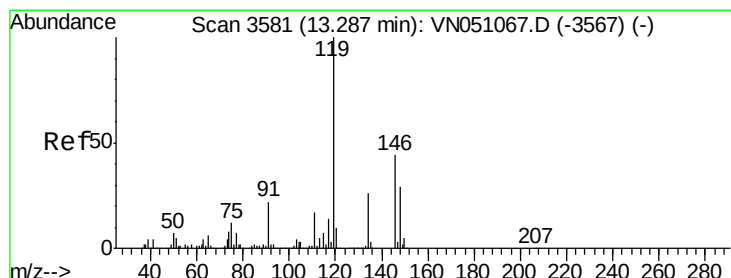
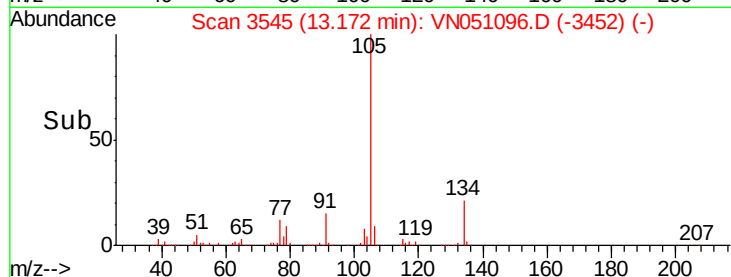
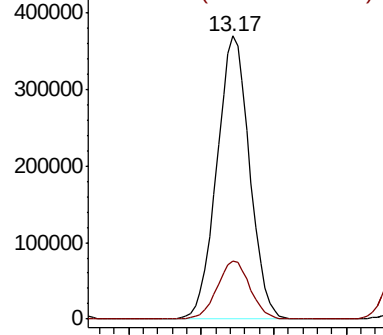
105 100

134 20.6 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.49 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

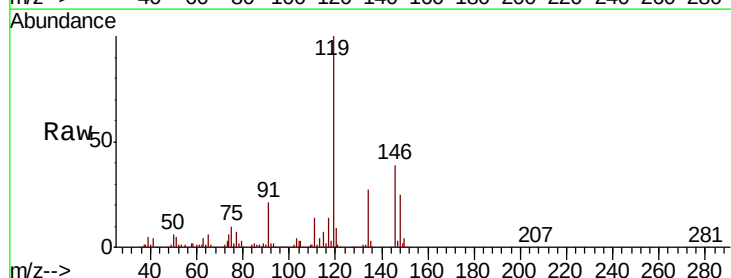
Tgt Ion:119 Resp: 498067

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

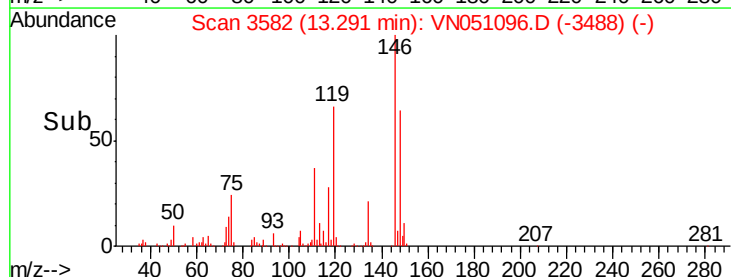
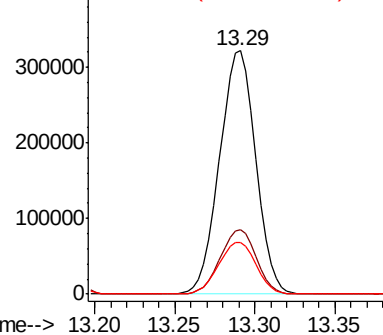
91 21.9 10.9 32.9

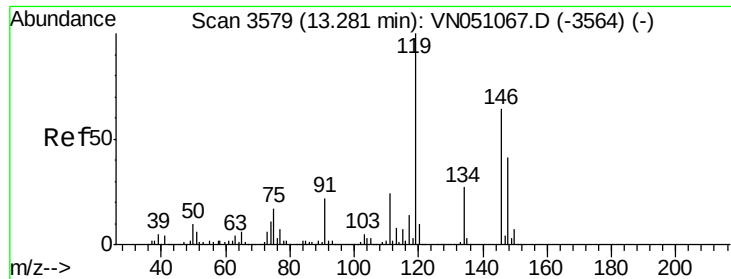


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

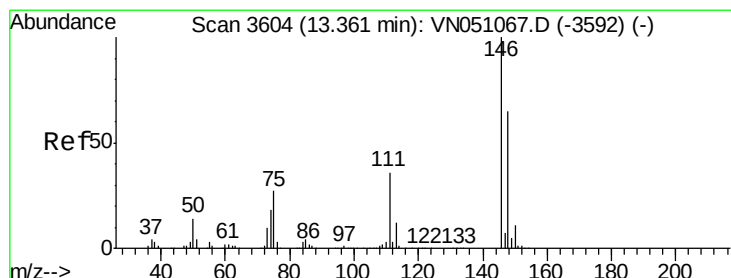
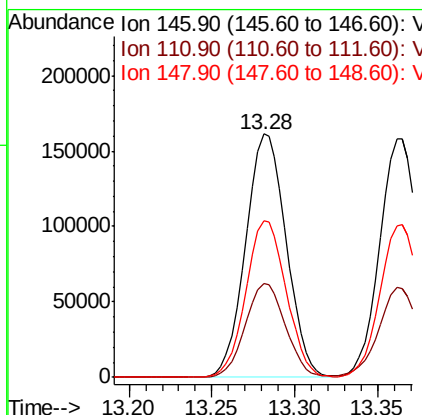
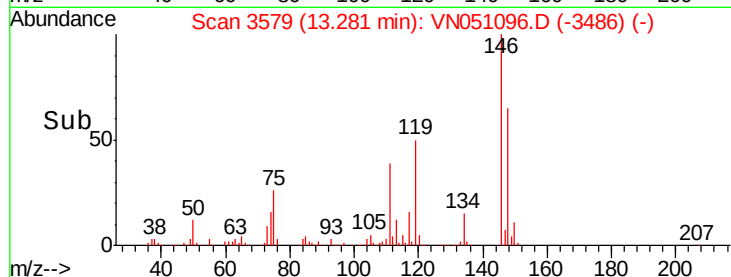
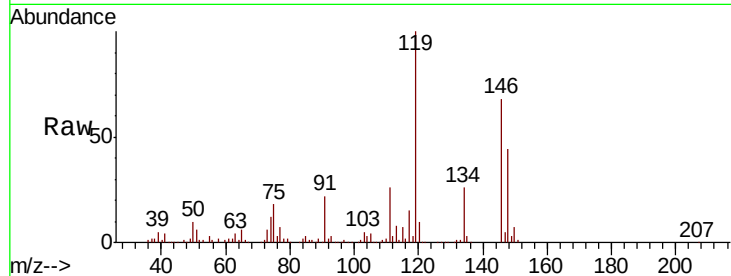




#87
 1,3-Dichlorobenzene
 Concen: 18.29 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

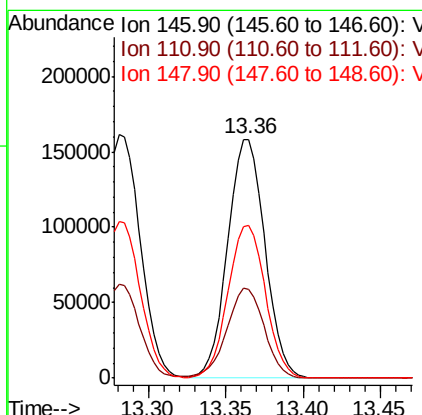
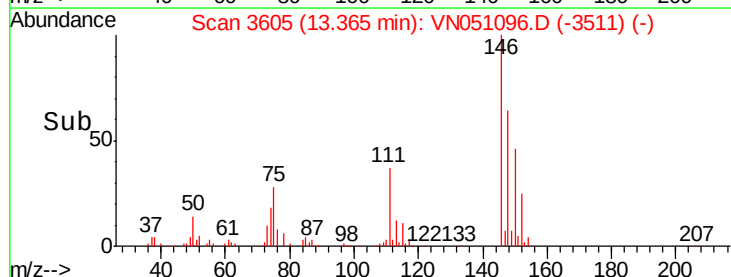
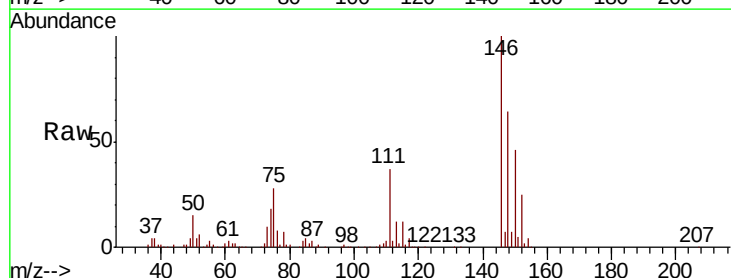
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

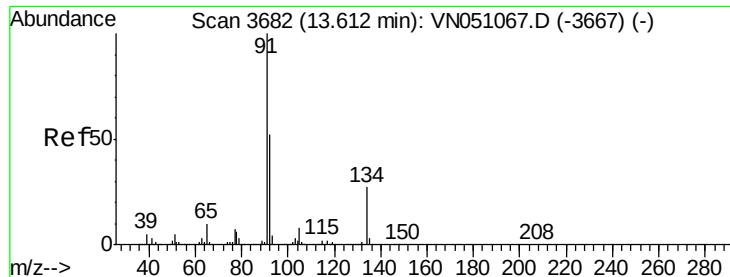
Tot Ion:146 Resp: 274345
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 63.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.19 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion:146 Resp: 264190
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.4 55.0
 148 64.4 32.2 96.6

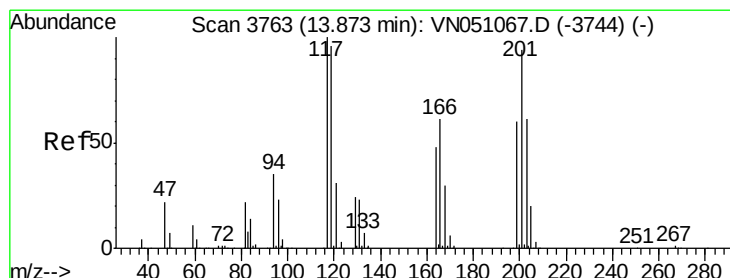
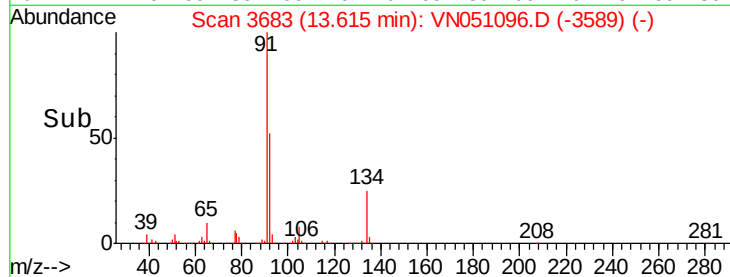
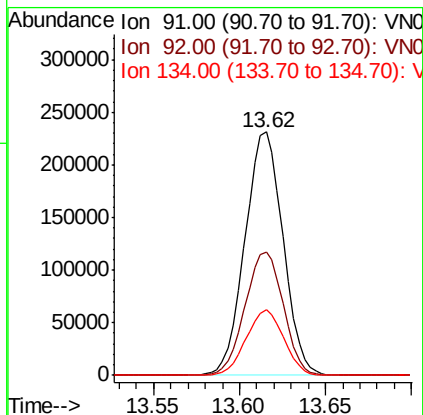
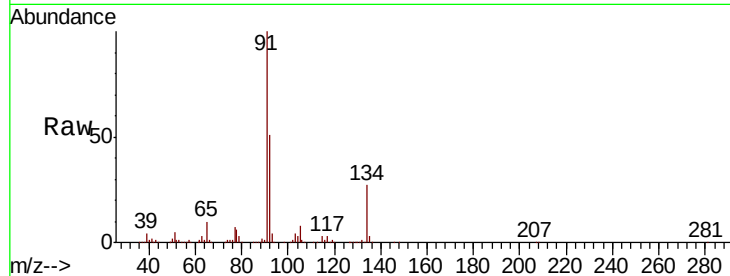




#89
n-Butylbenzene
Concen: 17.89 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

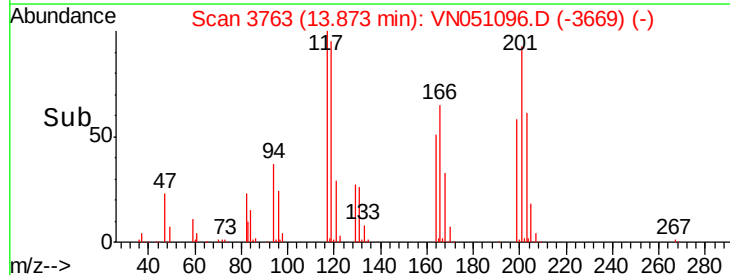
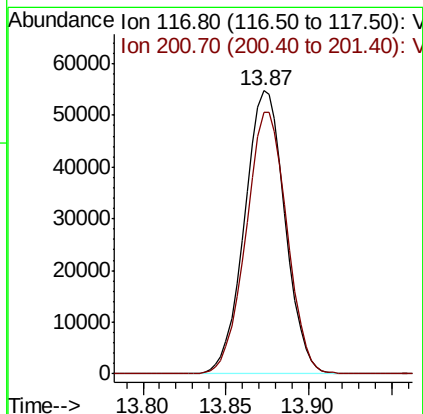
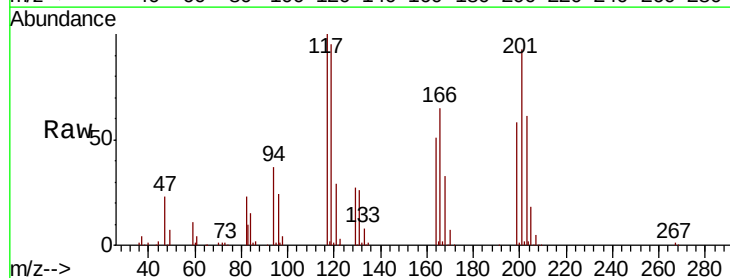
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBSD02

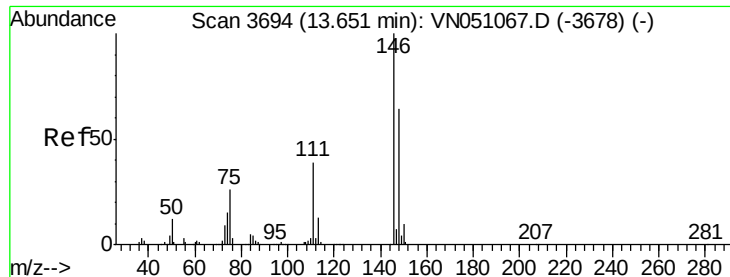
Tot Ion: 91 Resp: 355649
Ion Ratio Lower Upper
91 100
92 50.9 26.2 78.6
134 26.6 13.7 41.1



#90
Hexachloroethane
Concen: 19.62 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051096.D
Acq: 10 Sep 2018 23:32

Tgt Ion: 117 Resp: 93018
Ion Ratio Lower Upper
117 100
201 93.5 47.3 142.0

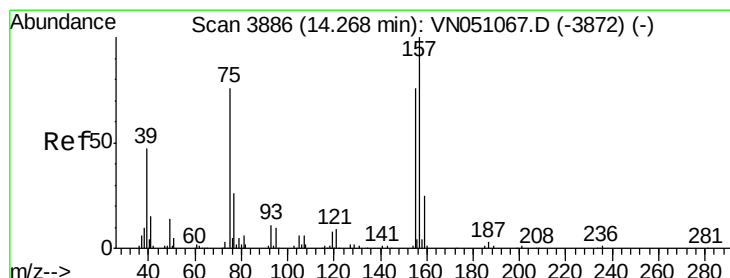
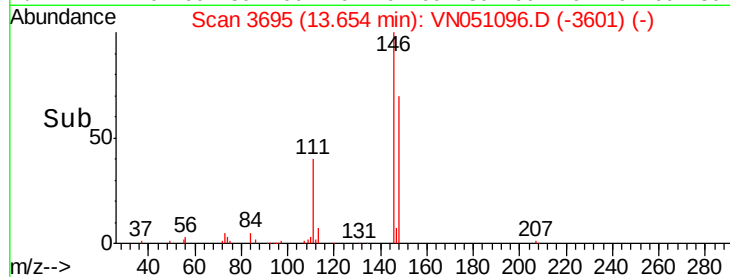
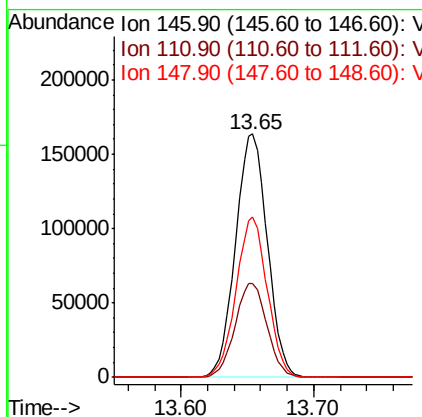
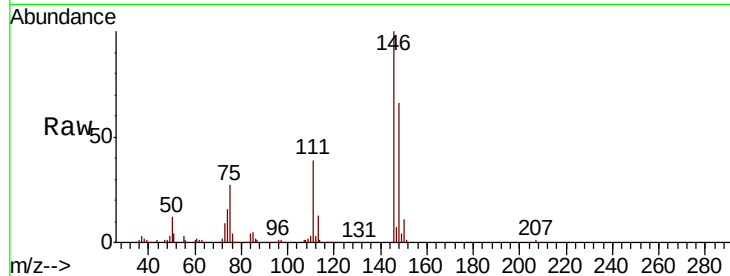




#91
 1,2-Dichlorobenzene
 Concen: 18.68 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

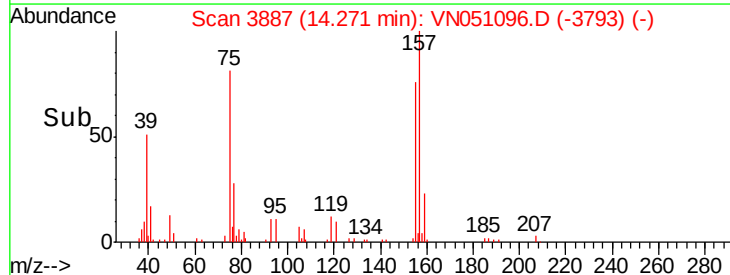
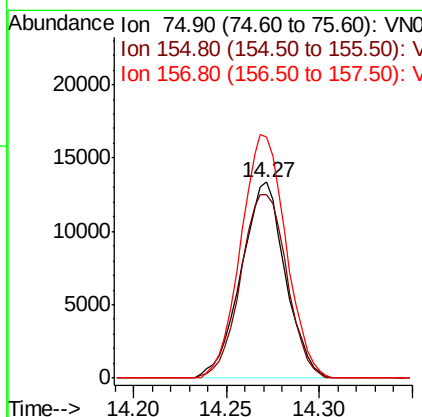
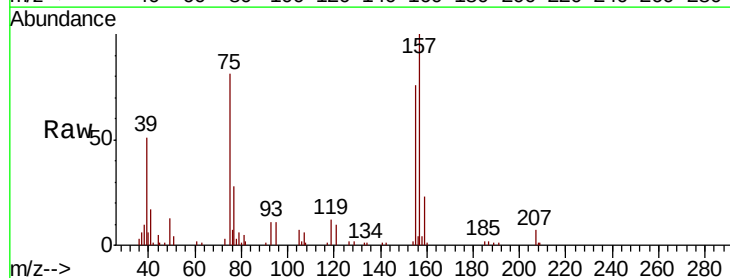
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

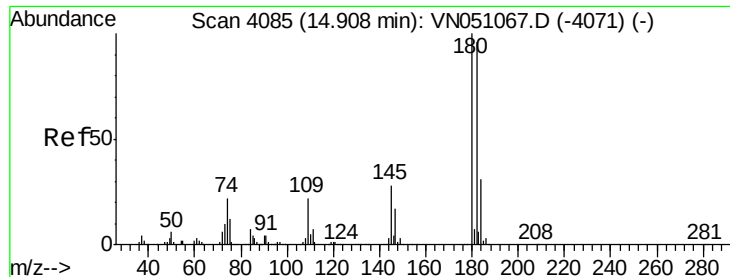
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.3	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.14 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.5	48.7	146.1
157	127.0	63.6	190.9

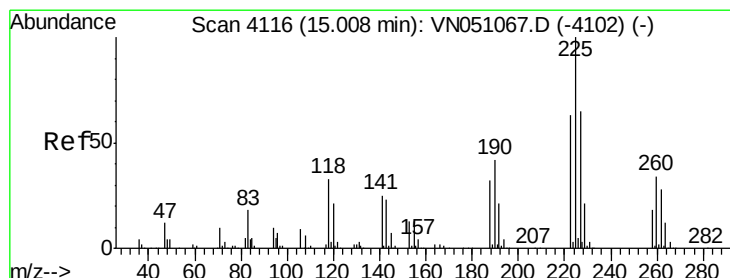
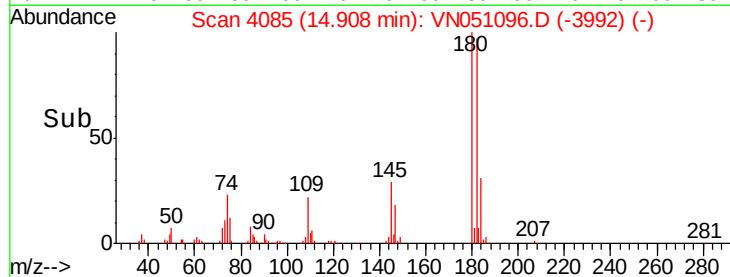
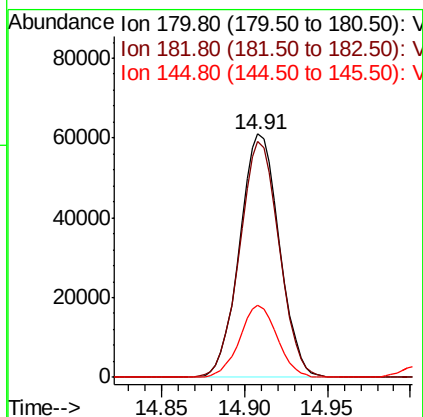
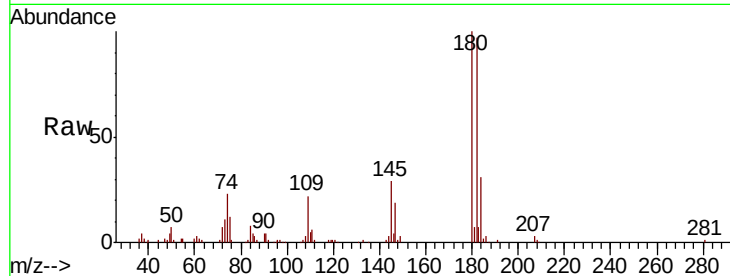




#93
 1,2,4-Trichlorobenzene
 Concen: 17.23 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

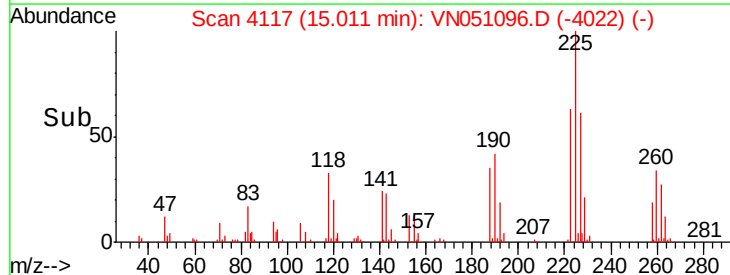
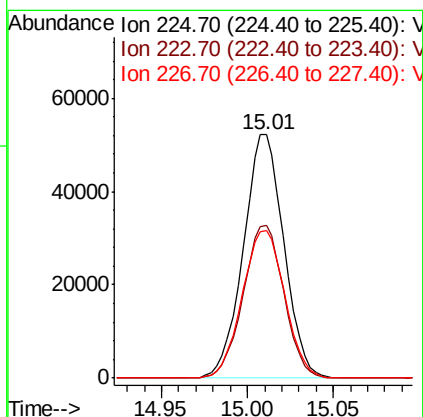
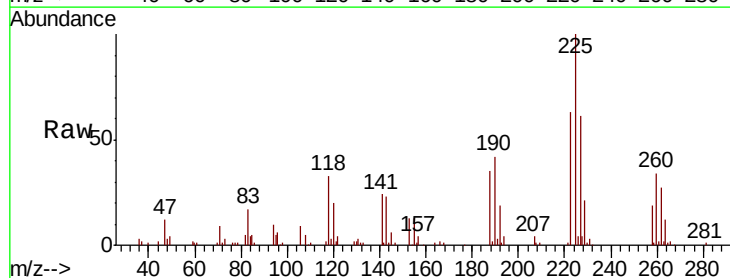
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBSD02

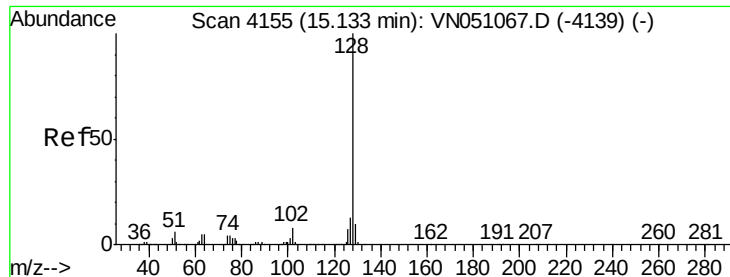
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	28.0	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 18.89 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051096.D
 Acq: 10 Sep 2018 23:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.4	94.0
227	63.6	32.1	96.3





#95

Naphthalene

Concen: 17.55 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBSD02

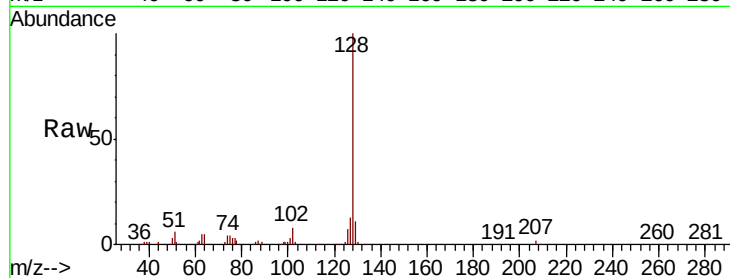
Tot Ion:128 Resp: 201777

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

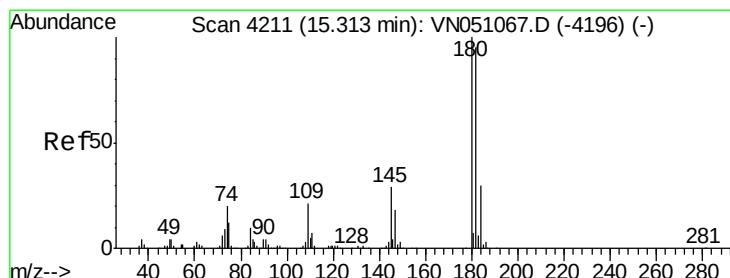
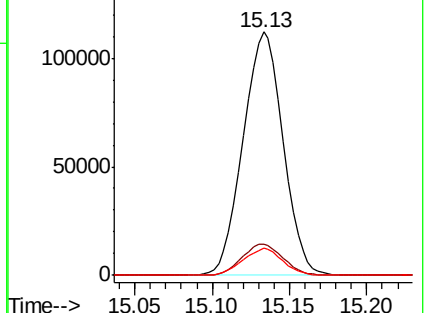
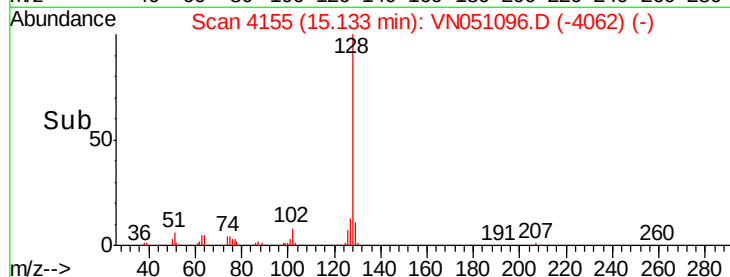
129 10.9 8.6 12.8



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: 18.55 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051096.D

Acq: 10 Sep 2018 23:32

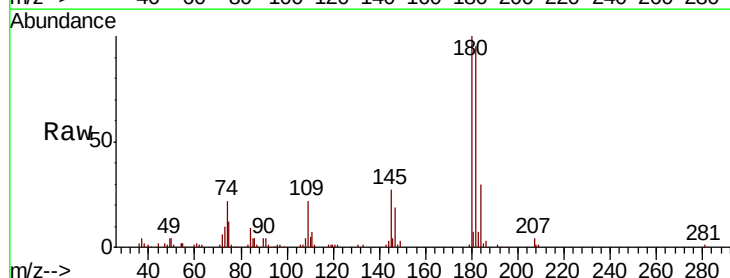
Tgt Ion:180 Resp: 111852

Ion Ratio Lower Upper

180 100

182 95.6 47.8 143.3

145 28.5 14.6 43.8



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

