

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053590.D
 Acq On : 4 Feb 2019 12:23
 Operator : JC/SP
 Sample : VN0204MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Quant Time: Feb 05 01:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1045956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	921320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	436769	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	347468	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
35) Dibromofluoromethane	7.59	113	333576	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.09	98	1218383	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
62) 4-Bromofluorobenzene	12.40	95	397685	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	144775	18.631	ug/l	99
3) Chloromethane	2.06	50	155316	18.763	ug/l	98
4) Vinyl Chloride	2.19	62	151795	18.891	ug/l	99
5) Bromomethane	2.57	94	103318	19.665	ug/l	96
6) Chloroethane	2.71	64	87274	19.006	ug/l	98
7) Trichlorofluoromethane	3.02	101	205731	18.880	ug/l	99
8) Diethyl Ether	3.41	74	75806	19.049	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	126724	18.804	ug/l	98
10) Methyl Iodide	3.95	142	192038	18.155	ug/l	100
11) Tert butyl alcohol	4.78	59	40536	97.922	ug/l	100
12) 1,1-Dichloroethene	3.74	96	123243	19.088	ug/l	96
13) Acrolein	3.61	56	22078	97.957	ug/l	99
14) Allyl chloride	4.33	41	192760	18.750	ug/l	98
15) Acrylonitrile	4.99	53	227294	101.708	ug/l	99
16) Acetone	3.82	43	169156	94.282	ug/l	100
17) Carbon Disulfide	4.06	76	359107	17.862	ug/l	100
18) Methyl Acetate	4.33	43	106127	19.973	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	318991	19.489	ug/l	100
20) Methylene Chloride	4.55	84	137860	18.315	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	128249	18.411	ug/l	96
22) Diisopropyl ether	5.95	45	364965	19.160	ug/l	97
23) Vinyl Acetate	5.90	43	1278149	96.995	ug/l	98
24) 1,1-Dichloroethane	5.85	63	242184	19.062	ug/l	98
25) 2-Butanone	6.84	43	244651	95.610	ug/l	98
26) 2,2-Dichloropropane	6.83	77	176169	18.164	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	148497	19.172	ug/l	99
28) Bromochloromethane	7.20	49	110622	20.064	ug/l	97
29) Tetrahydrofuran	7.21	42	166221	101.162	ug/l	97
30) Chloroform	7.37	83	235298	18.682	ug/l	99
31) Cyclohexane	7.65	56	213643	17.952	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	199159	19.001	ug/l	99
36) 1,1-Dichloropropene	7.79	75	174195	18.475	ug/l	98
37) Ethyl Acetate	6.93	43	113127	21.483	ug/l	100
38) Carbon Tetrachloride	7.77	117	177353	18.672	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053590.D
 Acq On : 4 Feb 2019 12:23
 Operator : JC/SP
 Sample : VN0204MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

Quant Time: Feb 05 01:24:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	197160	17.625	ug/l	100
40) Benzene	8.04	78	557774	19.184	ug/l	99
41) Methacrylonitrile	7.18	41	63171	21.464	ug/l	93
42) 1,2-Dichloroethane	8.13	62	165792	19.204	ug/l	100
43) Isopropyl Acetate	8.16	43	183328	18.027	ug/l #	89
44) Trichloroethene	8.83	130	155744	18.815	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144160	19.385	ug/l	97
46) Dibromomethane	9.21	93	87246	19.462	ug/l	98
47) Bromodichloromethane	9.40	83	179522	19.260	ug/l	100
48) Methyl methacrylate	9.20	41	98171	20.223	ug/l	97
49) 1,4-Dioxane	9.20	88	27014	408.130	ug/l #	95
51) 4-Methyl-2-Pentanone	9.99	43	507235	101.500	ug/l	100
52) Toluene	10.16	92	334167	19.365	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	171797	18.406	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	207615	18.771	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	123710	19.895	ug/l	98
56) Ethyl methacrylate	10.43	69	142630	19.390	ug/l	97
57) 1,3-Dichloropropane	10.71	76	206930	19.472	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	410833	95.179	ug/l	99
59) 2-Hexanone	10.75	43	327477	96.527	ug/l	100
60) Dibromochloromethane	10.90	129	136110	19.411	ug/l	100
61) 1,2-Dibromoethane	11.00	107	118376	19.234	ug/l	98
64) Tetrachloroethene	10.63	164	145543	18.428	ug/l	99
65) Chlorobenzene	11.43	112	362939	18.546	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	130993	19.166	ug/l	99
67) Ethyl Benzene	11.51	91	603963	18.787	ug/l	100
68) m/p-Xylenes	11.62	106	467514	38.104	ug/l	100
69) o-Xylene	11.95	106	227534	19.196	ug/l	99
70) Styrene	11.96	104	370035	19.260	ug/l	100
71) Bromoform	12.13	173	93427	19.939	ug/l #	100
73) Isopropylbenzene	12.25	105	592715	19.304	ug/l	99
74) N-amyl acetate	12.07	43	142020	19.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143903	19.583	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	174785	31.156	ug/l #	100
77) Bromobenzene	12.53	156	157148	18.991	ug/l	99
78) n-propylbenzene	12.59	91	683567	19.258	ug/l	99
79) 2-Chlorotoluene	12.68	91	409381	19.440	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	508052	19.954	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36891	18.491	ug/l	98
82) 4-Chlorotoluene	12.77	91	413593	19.140	ug/l	99
83) tert-Butylbenzene	12.99	119	450584	20.023	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	518232	19.978	ug/l	99
85) sec-Butylbenzene	13.17	105	606672	19.811	ug/l	100
86) p-Isopropyltoluene	13.29	119	529399	19.767	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279706	18.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279368	18.986	ug/l	99
89) n-Butylbenzene	13.62	91	435993	18.808	ug/l	100
90) Hexachloroethane	13.87	117	86042	19.477	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	274732	19.291	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20715	19.780	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN020419\
Data File : VN053590.D
Acq On : 4 Feb 2019 12:23
Operator : JC/SP
Sample : VN0204MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Quant Time: Feb 05 01:24:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration

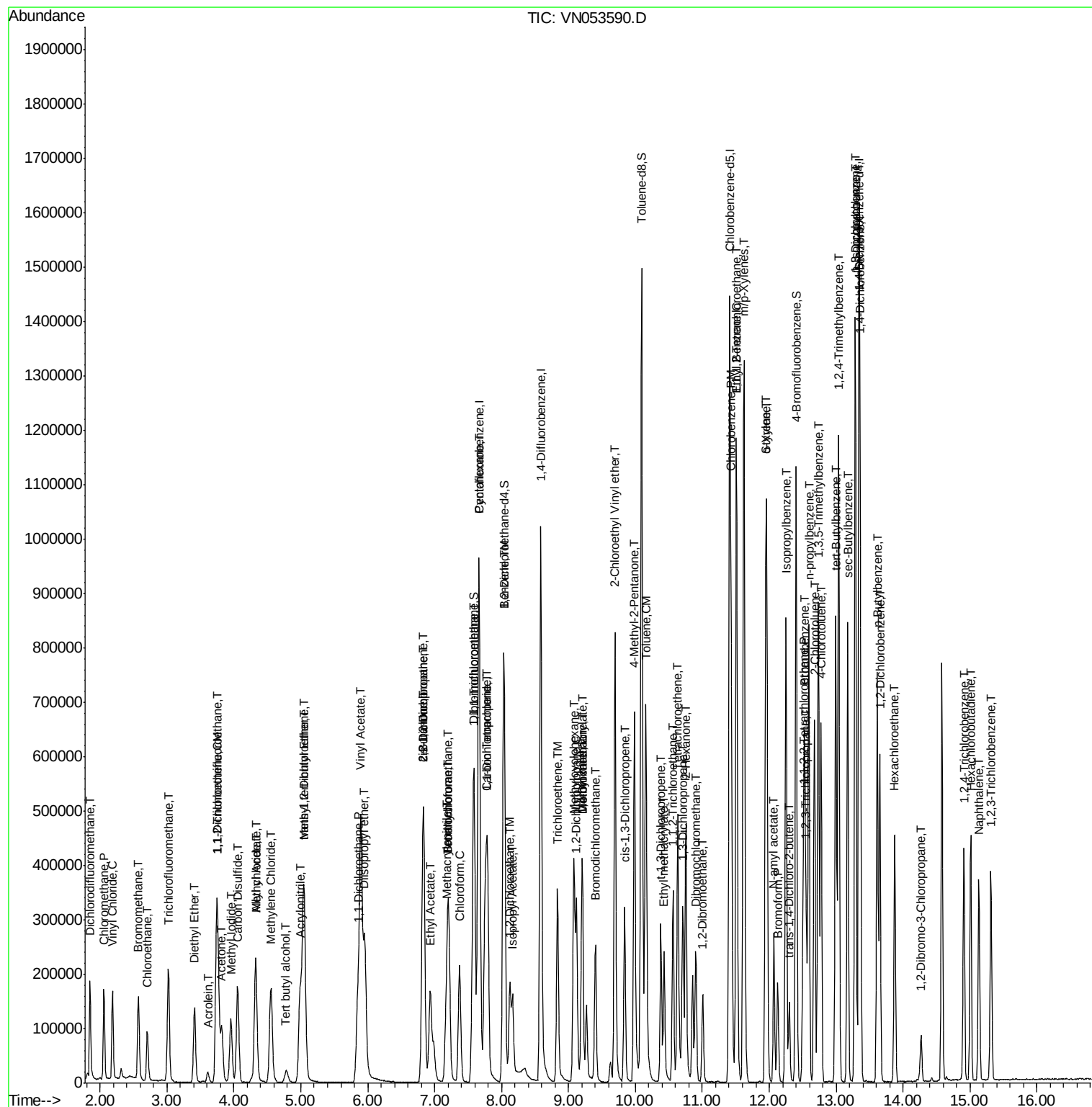
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	153972	18.851	ug/l	100
94) Hexachlorobutadiene	15.01	225	100316	19.722	ug/l	99
95) Naphthalene	15.13	128	327296	18.203	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	147000	19.397	ug/l	100

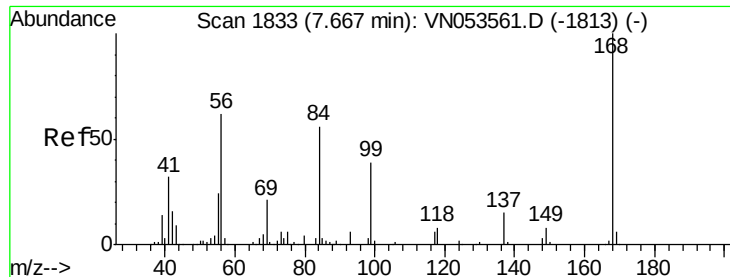
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053590.D
 Acq On : 4 Feb 2019 12:23
 Operator : JC/SP
 Sample : VN0204MBS01
 Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 Client Sample Id :
 VN0204MBS01

Quant Time: Feb 05 01:24:58 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

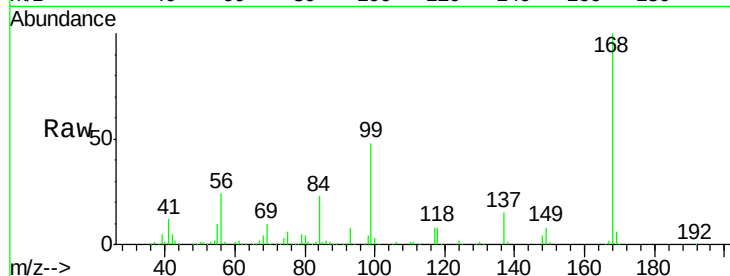
VN0204MBS01

Tot Ion:168 Resp: 697239

Ion Ratio Lower Upper

168 100

99 47.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

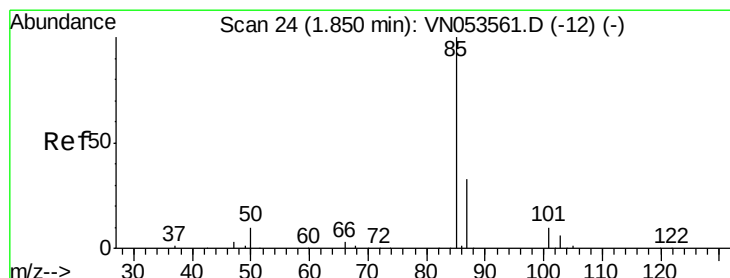
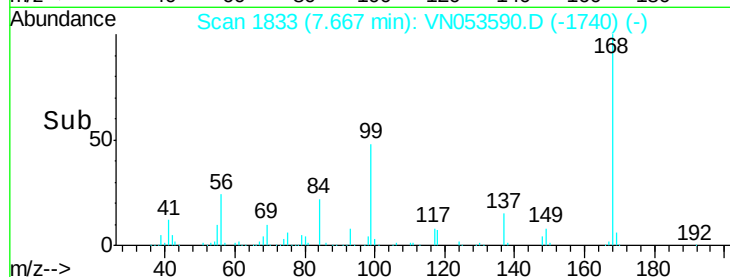
100000

50000

0

7.60 7.80 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 18.631 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053590.D

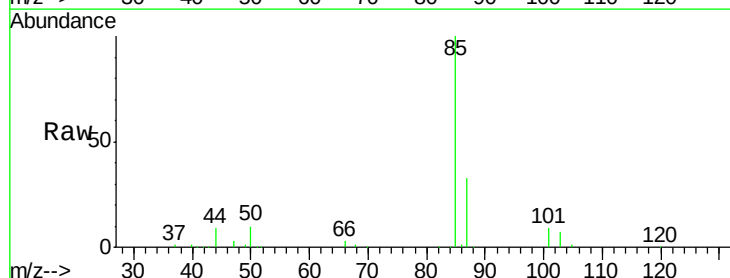
Acq: 4 Feb 2019 12:23

Tgt Ion: 85 Resp: 144775

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

120000

100000

80000

60000

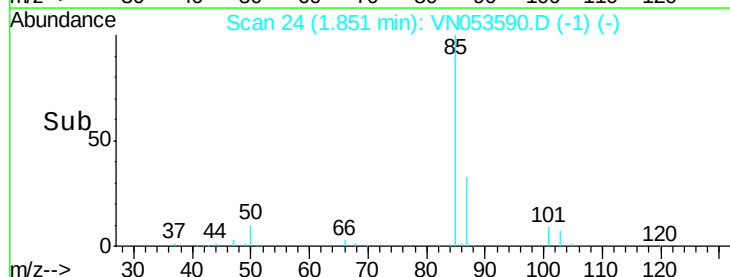
40000

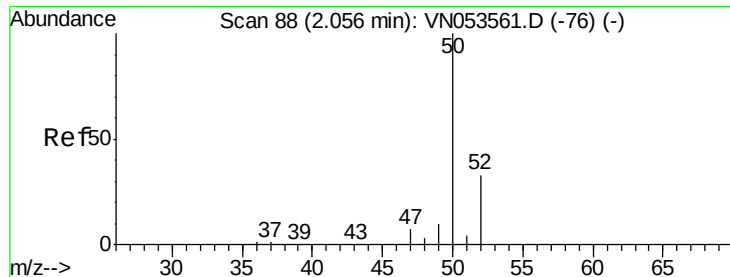
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.763 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

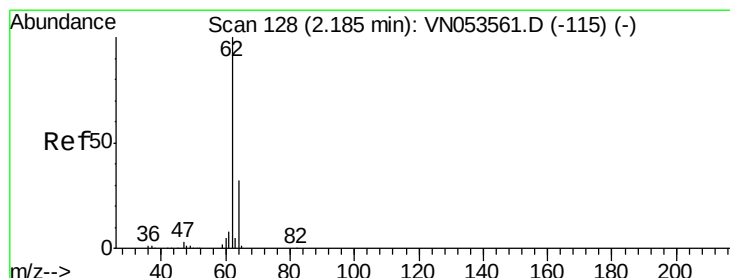
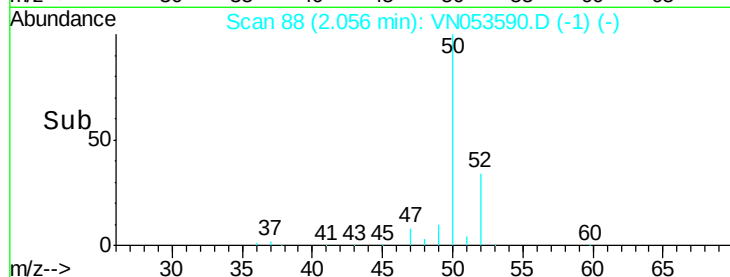
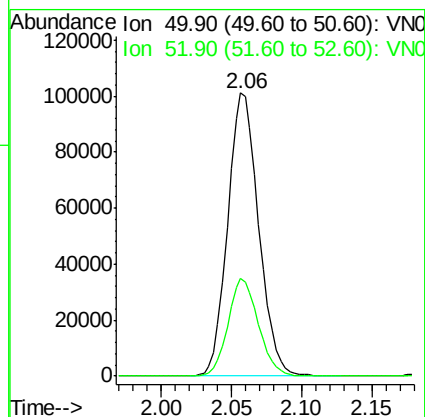
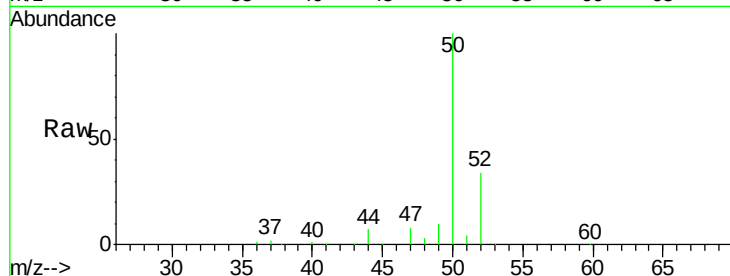
VN0204MBS01

Tot Ion: 50 Resp: 155316

Ion Ratio Lower Upper

50 100

52 34.4 26.6 40.0



#4

Vinyl Chloride

Concen: 18.891 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053590.D

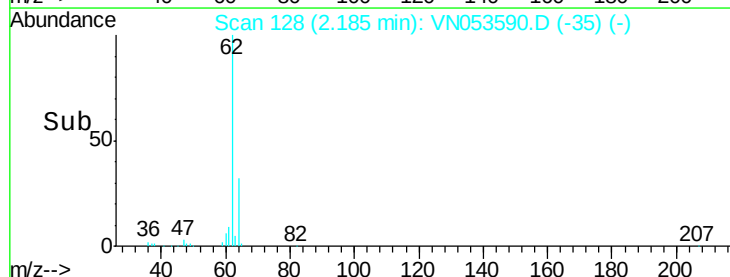
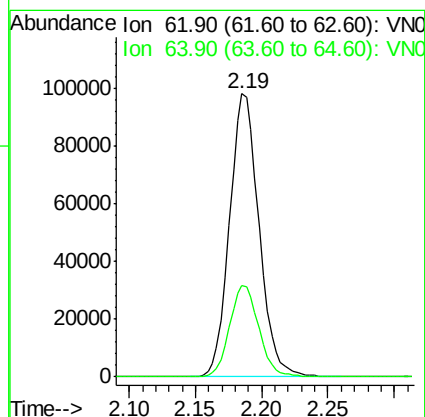
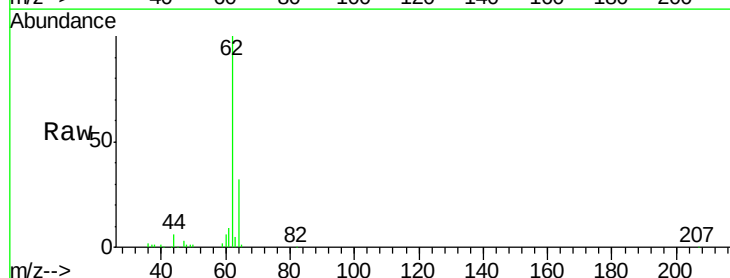
Acq: 4 Feb 2019 12:23

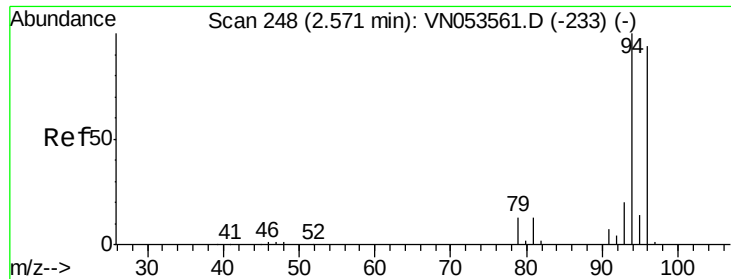
Tgt Ion: 62 Resp: 151795

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.2

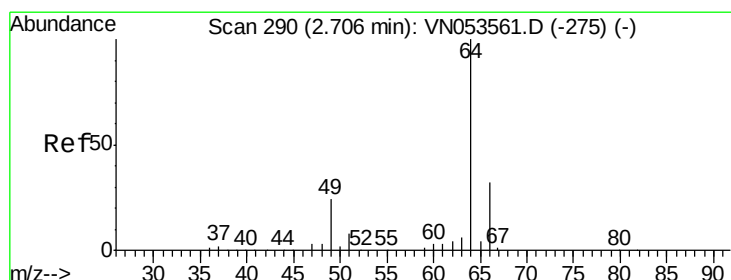
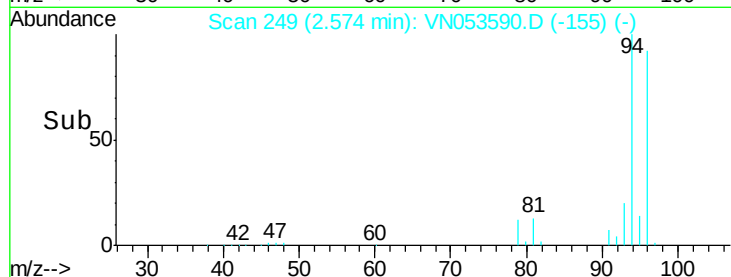
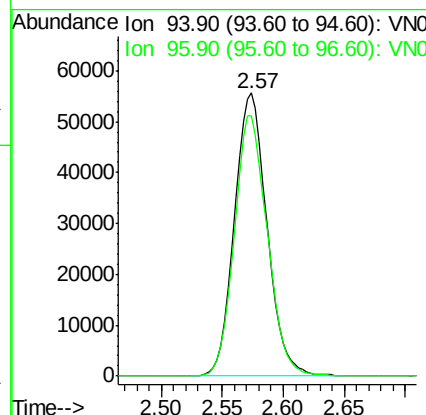
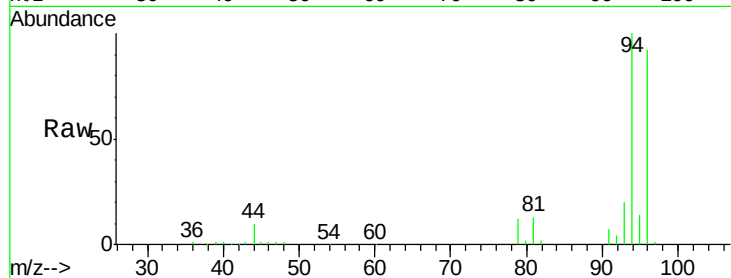




#5
Bromomethane
Concen: 19.665 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

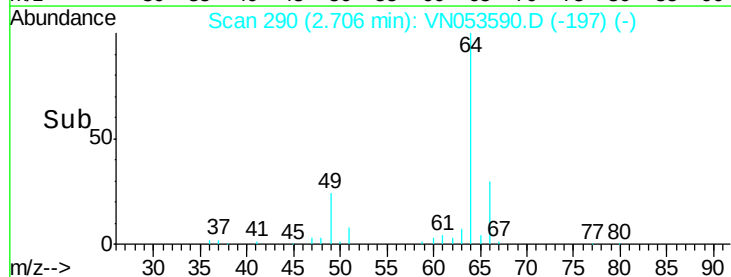
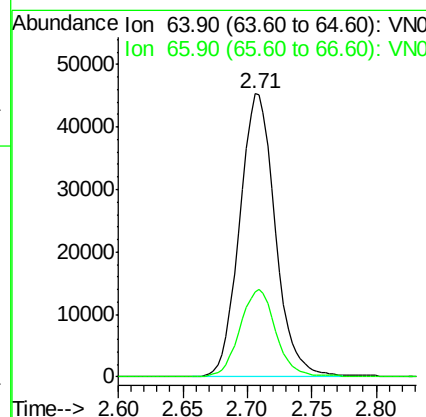
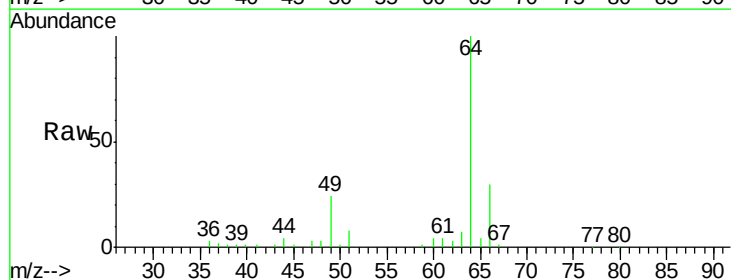
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

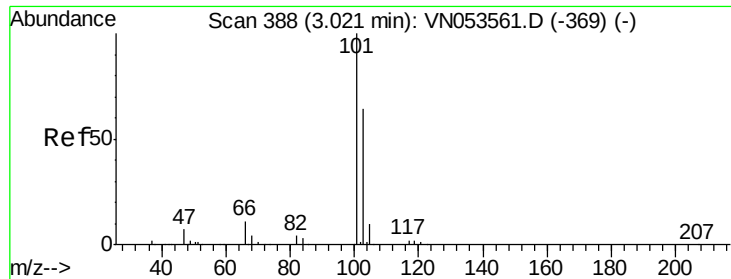
Tot Ion: 94 Resp: 103318
Ion Ratio Lower Upper
94 100
96 92.1 76.8 115.2



#6
Chloroethane
Concen: 19.006 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 64 Resp: 87274
Ion Ratio Lower Upper
64 100
66 30.1 25.1 37.7



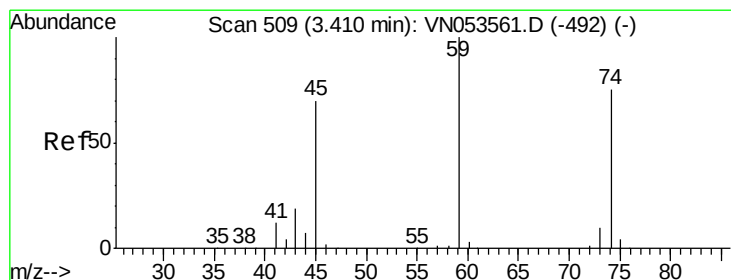
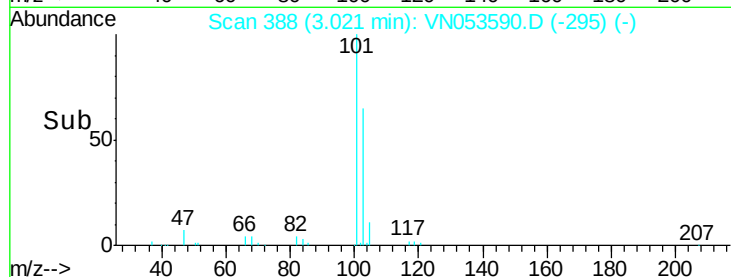
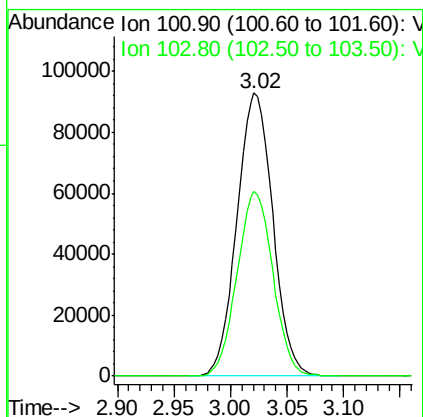
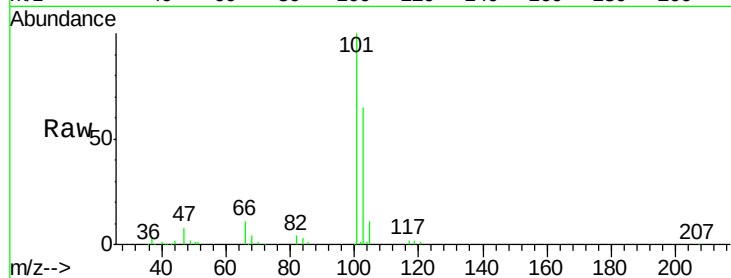


#7

Trichlorofluoromethane
Concen: 18.880 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

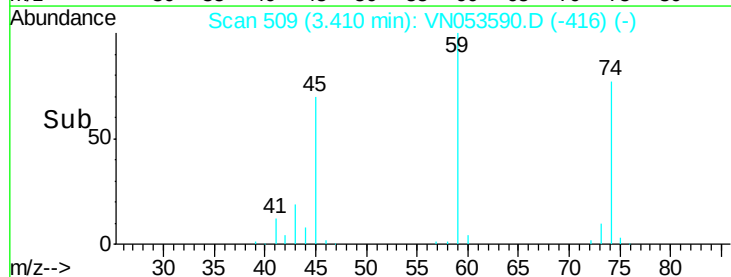
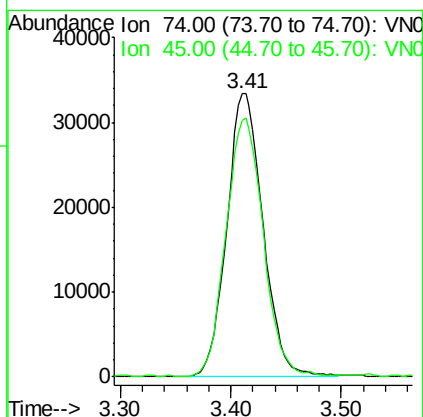
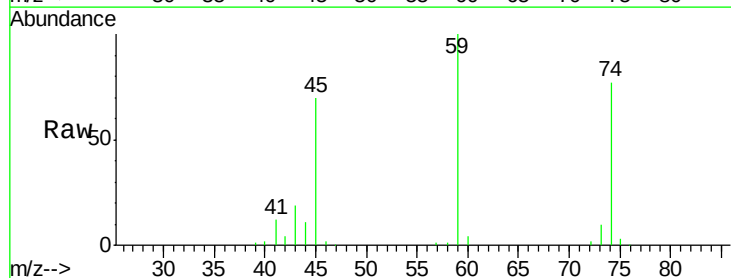
Tot Ion:101 Resp: 205731
Ion Ratio Lower Upper
101 100
103 65.4 51.6 77.4

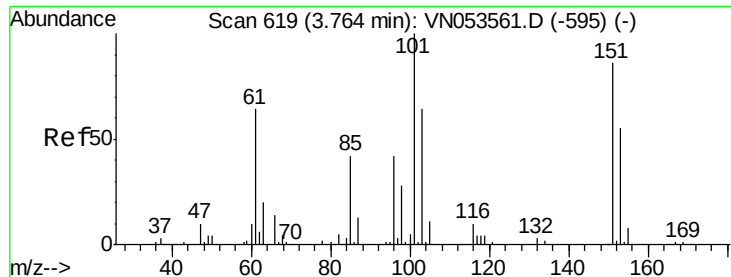


#8

Diethyl Ether
Concen: 19.049 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 74 Resp: 75806
Ion Ratio Lower Upper
74 100
45 94.4 47.9 143.7

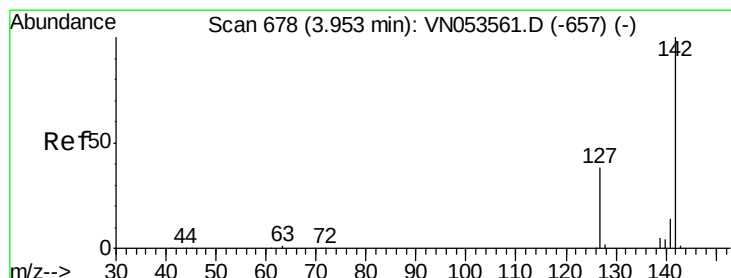
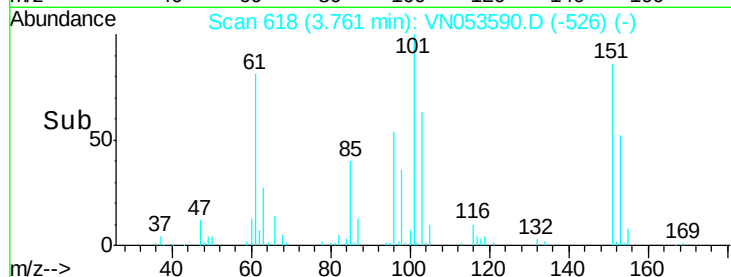
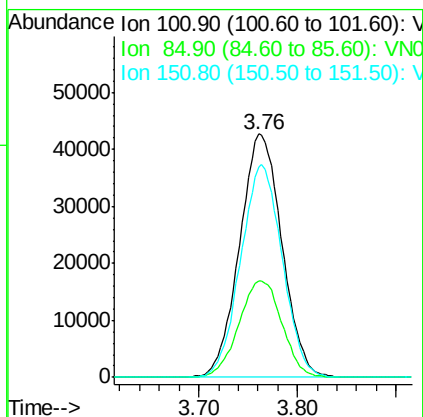
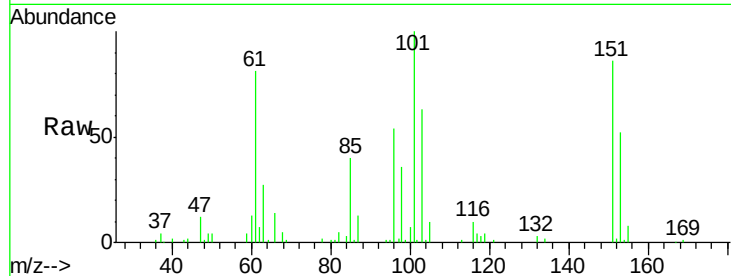




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.804 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

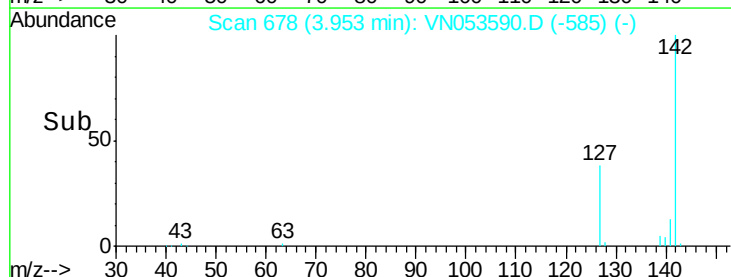
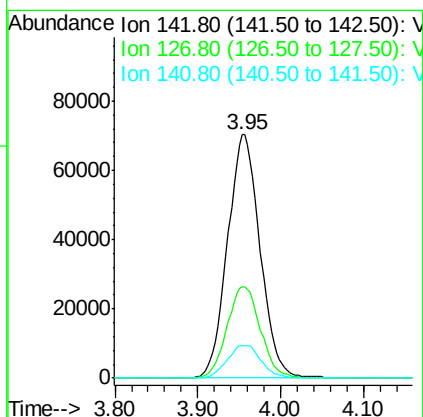
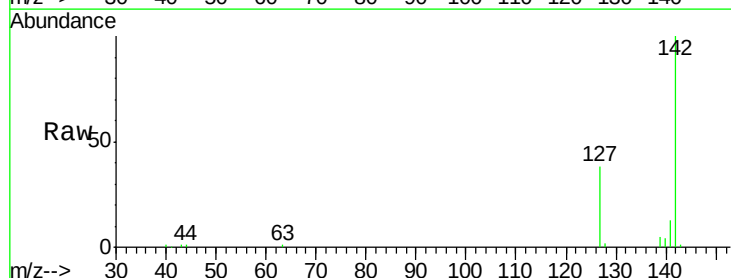
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

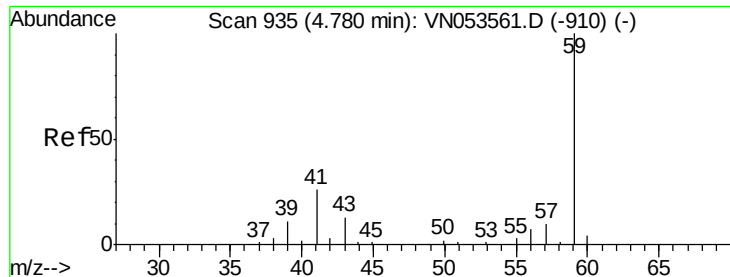
Tot Ion:101 Resp: 126724
 Ion Ratio Lower Upper
 101 100
 85 40.4 32.8 49.2
 151 86.0 66.9 100.3



#10
 Methyl Iodide
 Concen: 18.155 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion:142 Resp: 192038
 Ion Ratio Lower Upper
 142 100
 127 38.5 31.0 46.4
 141 13.9 11.1 16.7

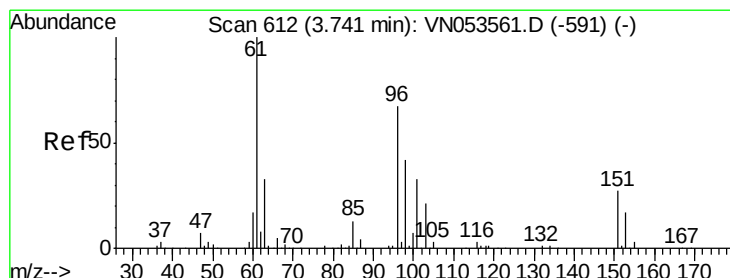
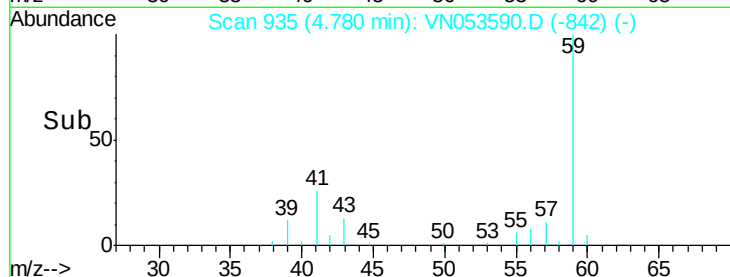
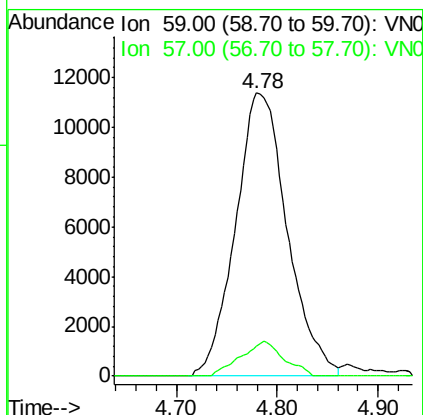
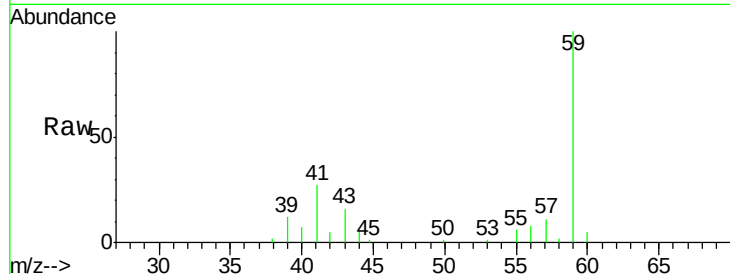




#11
Tert butyl alcohol
Concen: 97.922 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

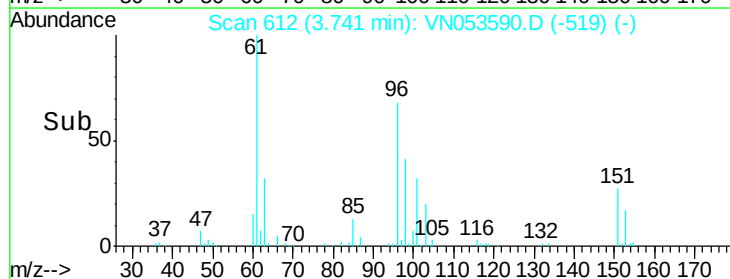
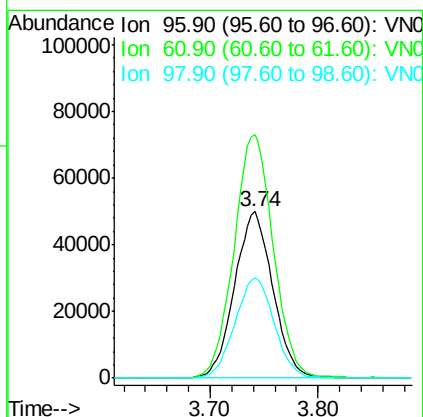
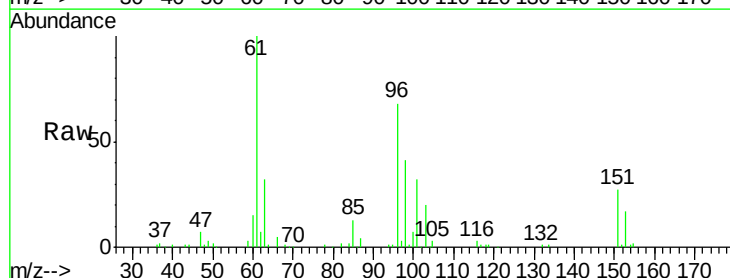
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

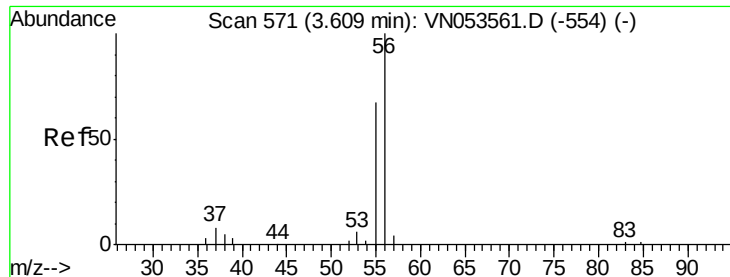
Tot Ion: 59 Resp: 40536
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4



#12
1,1-Dichloroethene
Concen: 19.088 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 96 Resp: 123243
Ion Ratio Lower Upper
96 100
61 146.4 122.9 184.3
98 60.6 49.4 74.0





#13

Acrolein

Concen: 97.957 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

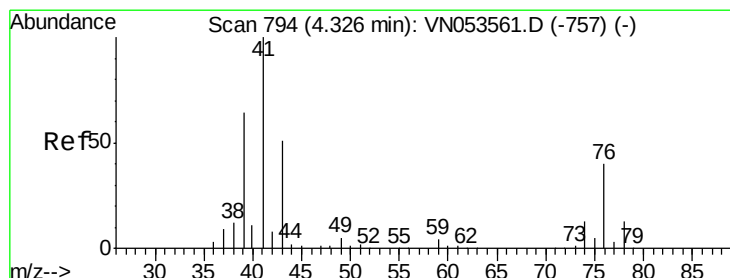
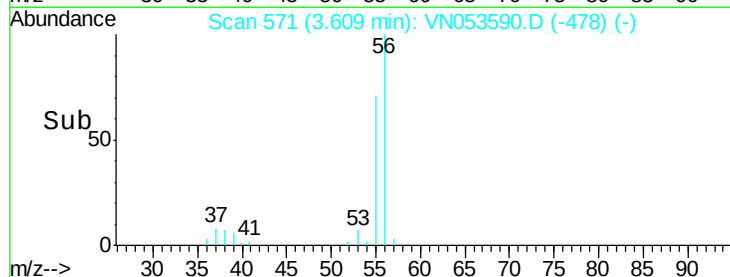
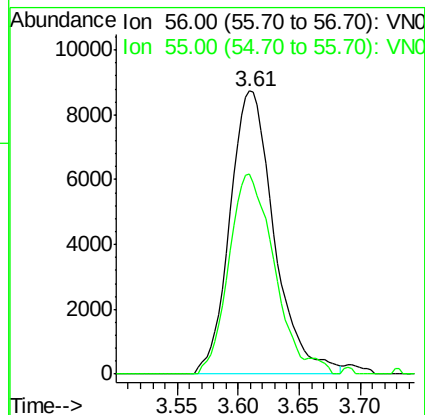
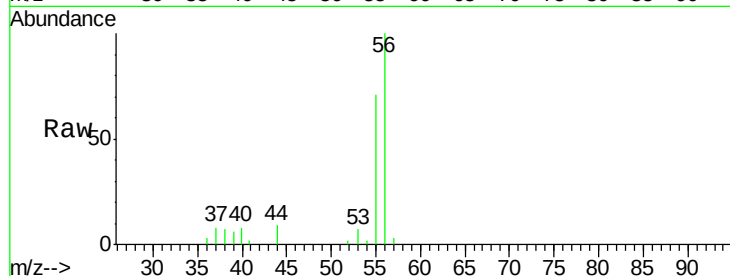
VN0204MBS01

Tot Ion: 56 Resp: 22078

Ion Ratio Lower Upper

56 100

55 70.5 57.4 86.0



#14

Allyl chloride

Concen: 18.750 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

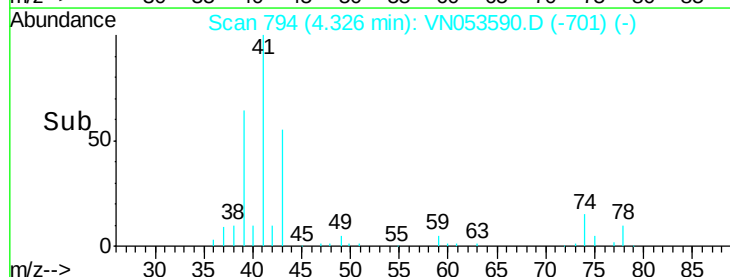
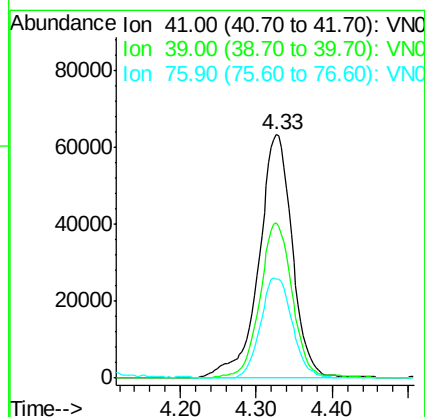
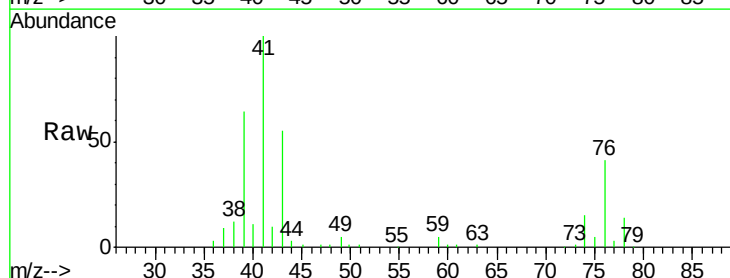
Tgt Ion: 41 Resp: 192760

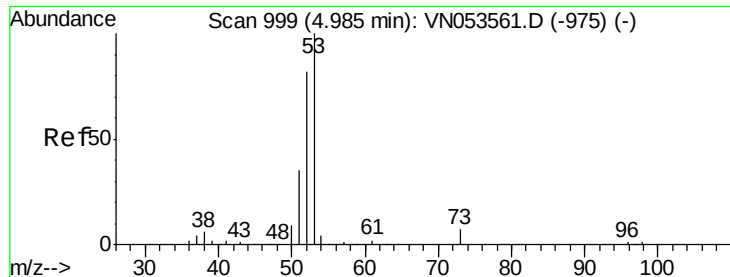
Ion Ratio Lower Upper

41 100

39 61.9 48.9 73.3

76 39.2 29.4 44.2





#15

Acrylonitrile

Concen: 101.708 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

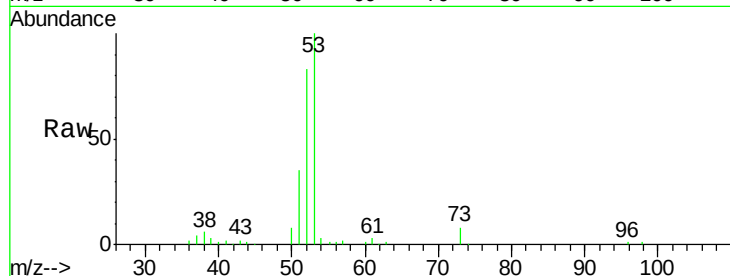
Tot Ion: 53 Resp: 227294

Ion Ratio Lower Upper

53 100

52 81.4 66.0 99.0

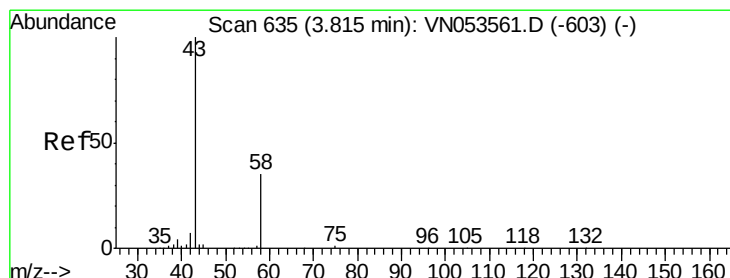
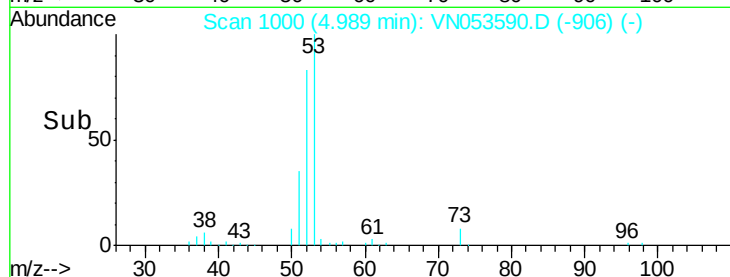
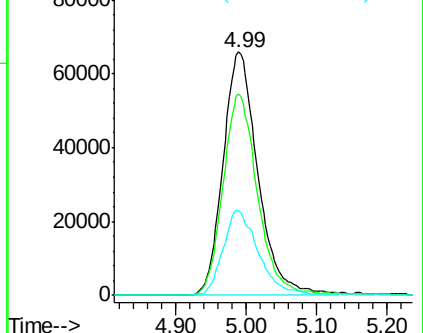
51 35.6 28.3 42.5



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: 94.282 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053590.D

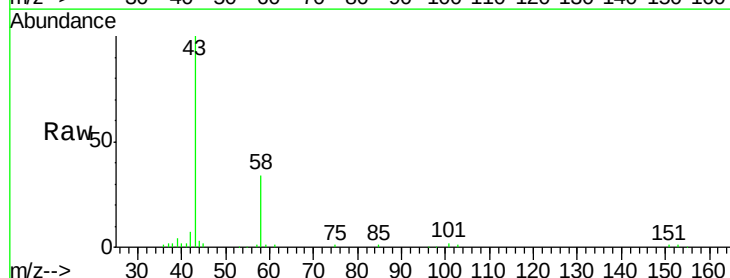
Acq: 4 Feb 2019 12:23

Tgt Ion: 43 Resp: 169156

Ion Ratio Lower Upper

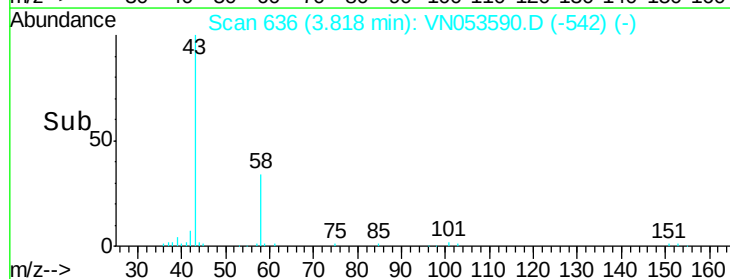
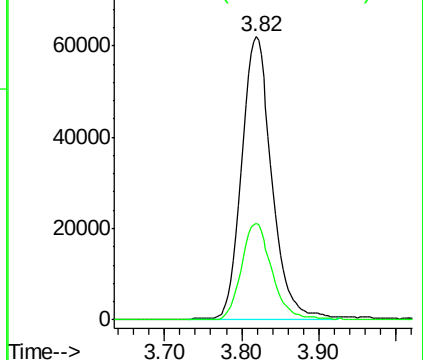
43 100

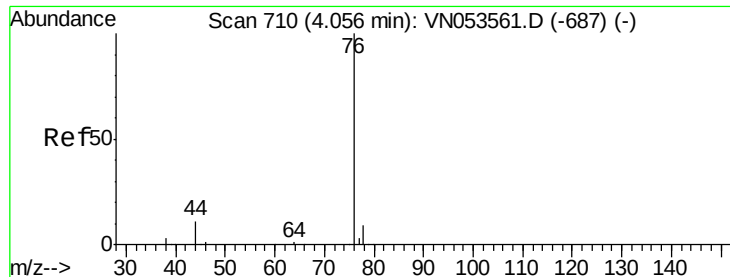
58 33.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.862 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

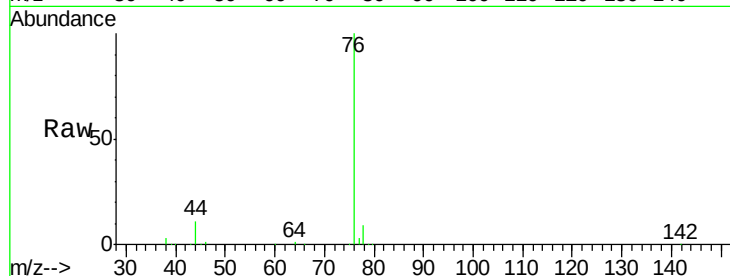
VN0204MBS01

Tot Ion: 76 Resp: 359107

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

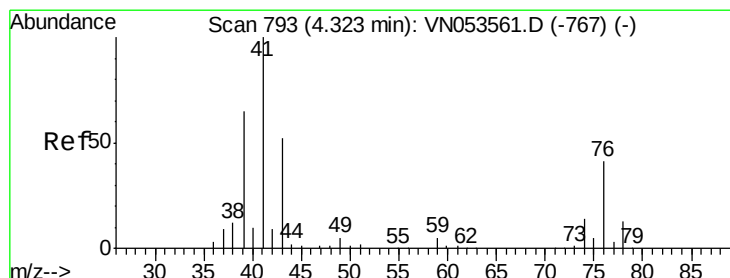
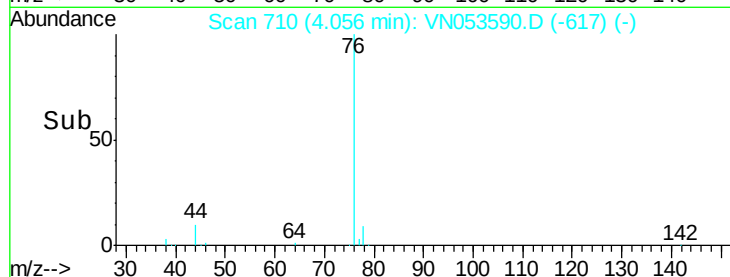
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.973 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053590.D

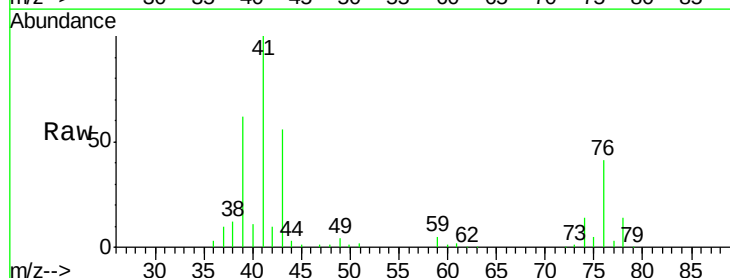
Acq: 4 Feb 2019 12:23

Tgt Ion: 43 Resp: 106127

Ion Ratio Lower Upper

43 100

74 24.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

40000

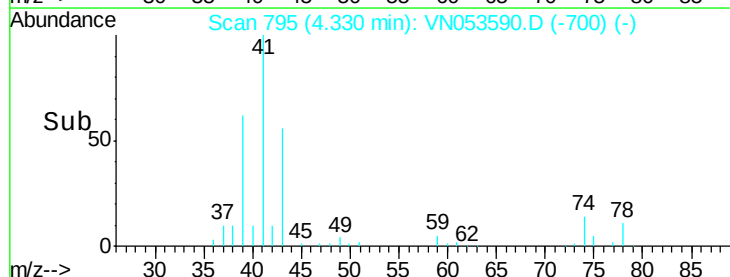
30000

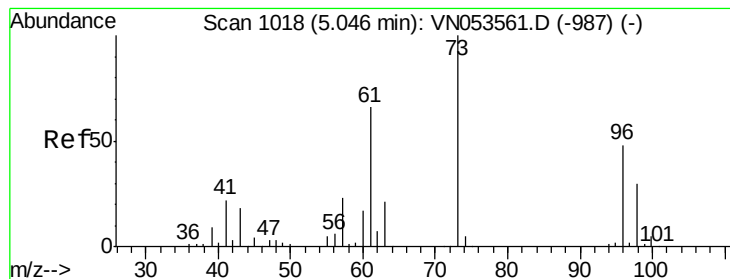
20000

10000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 19.489 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

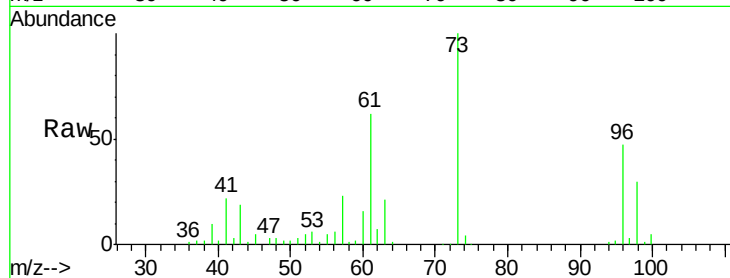
VN0204MBS01

Tot Ion: 73 Resp: 318991

Ion Ratio Lower Upper

73 100

57 23.0 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN053561.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN053561.D (-987) (-)

5.05

80000

60000

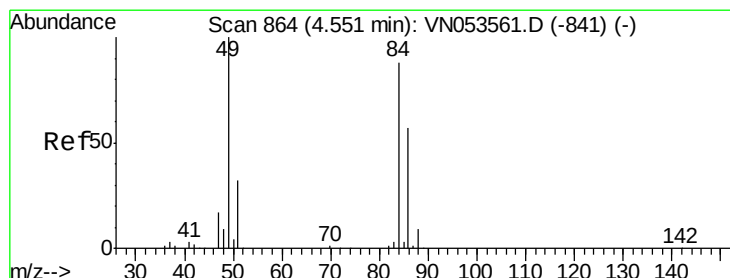
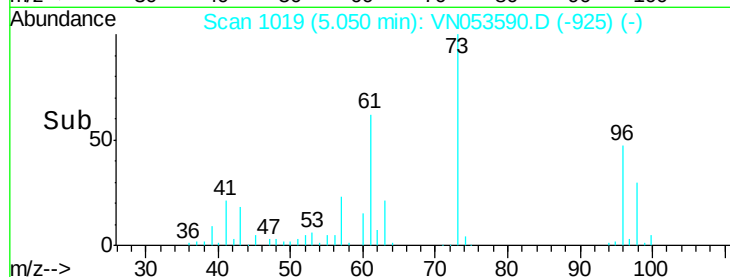
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#20

Methylene Chloride

Concen: 18.315 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Tgt Ion: 84 Resp: 137860

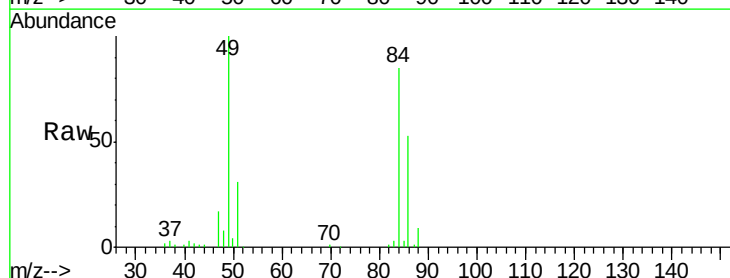
Ion Ratio Lower Upper

84 100

49 118.1 94.3 141.5

51 37.1 29.4 44.2

86 62.8 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN053561.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN053561.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN053561.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN053561.D (-841) (-)

4.55

80000

60000

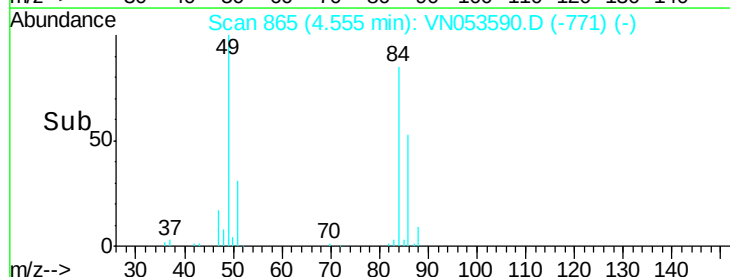
40000

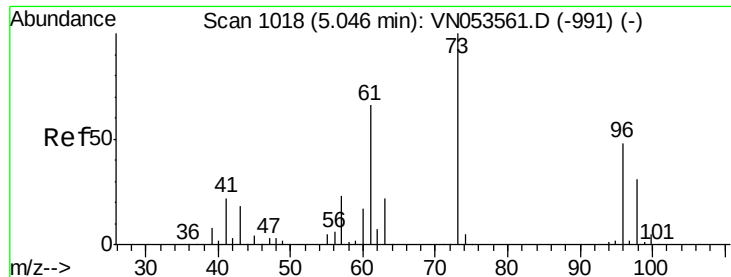
20000

0

Time-->

4.40 4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 18.411 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

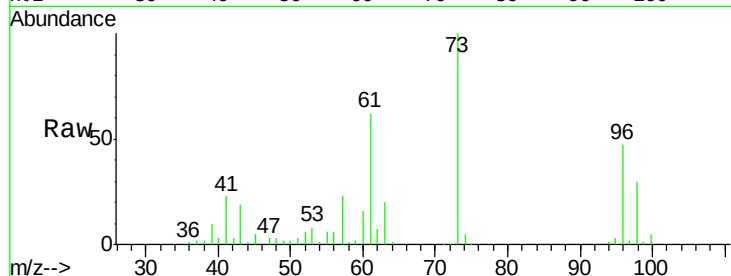
Tot Ion: 96 Resp: 128249

Ion Ratio Lower Upper

96 100

61 131.6 110.1 165.1

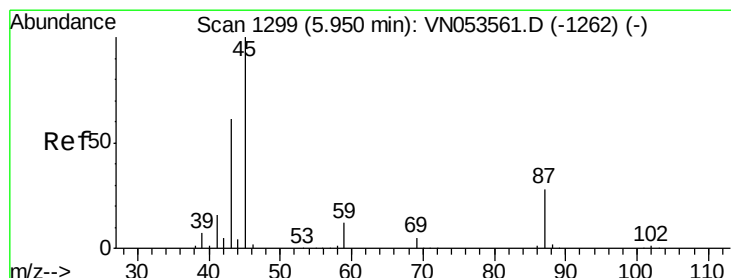
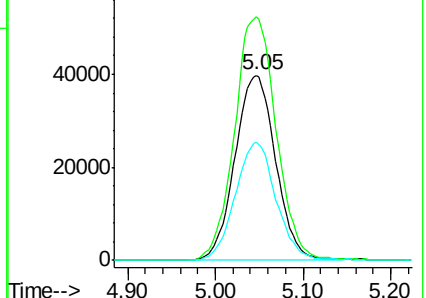
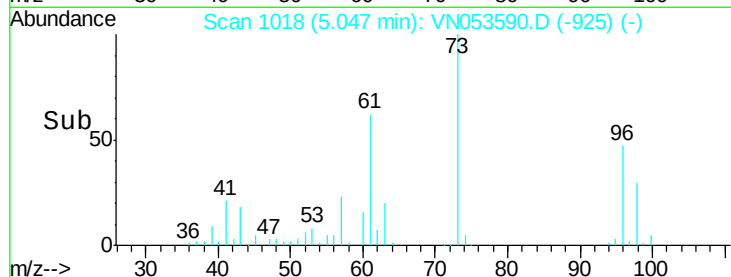
98 63.9 50.0 75.0



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



#22

Diisopropyl ether

Concen: 19.160 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Tgt Ion: 45 Resp: 364965

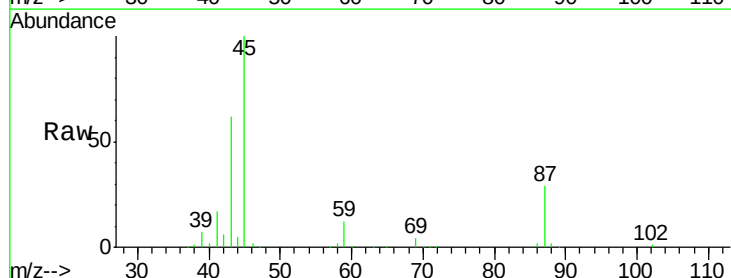
Ion Ratio Lower Upper

45 100

43 58.6 44.2 66.4

87 27.9 22.7 34.1

59 11.9 9.4 14.2

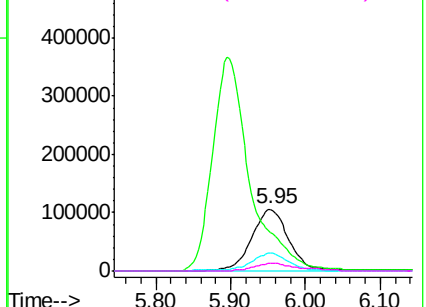
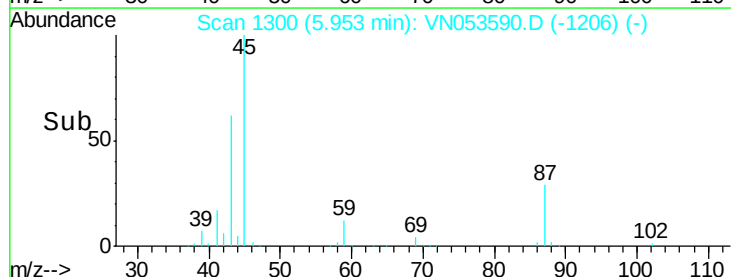


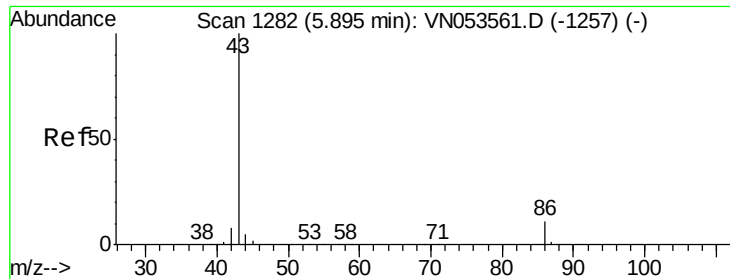
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 96.995 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

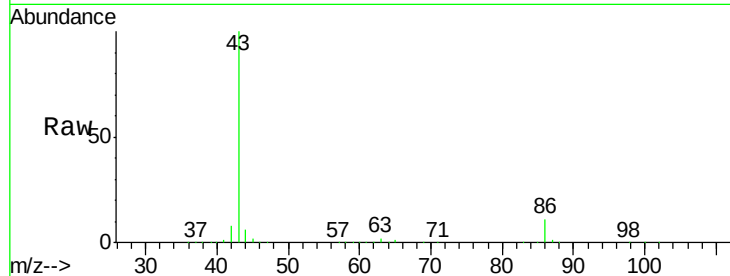
VN0204MBS01

Tot Ion: 43 Resp: 1278149

Ion Ratio Lower Upper

43 100

86 11.1 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1257) (-)

Ion 86.00 (85.70 to 86.70): VN053561.D (-1257) (-)

5.90

400000

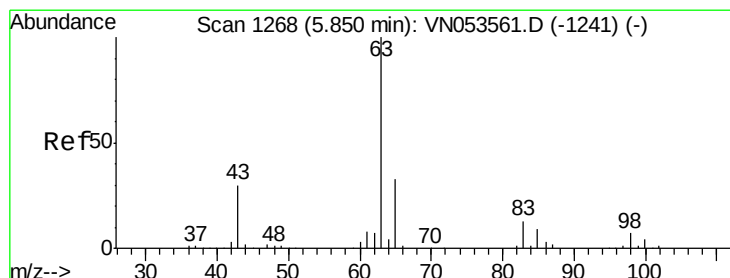
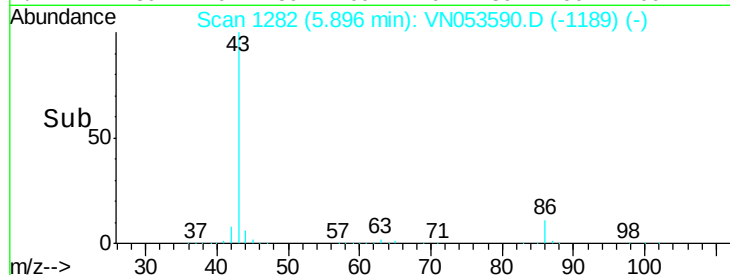
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.062 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

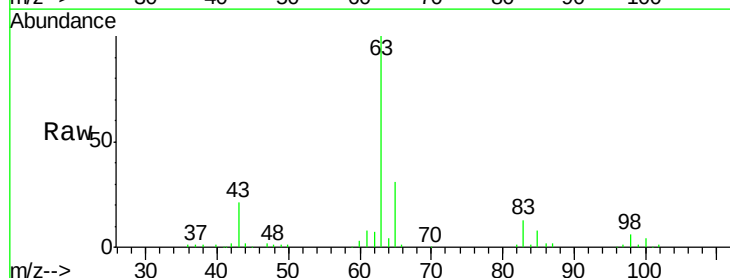
Tgt Ion: 63 Resp: 242184

Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.9

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN053561.D (-1241) (-)

Ion 97.90 (97.60 to 98.60): VN053561.D (-1241) (-)

Ion 99.90 (99.60 to 100.60): VN053561.D (-1241) (-)

5.85

100000

80000

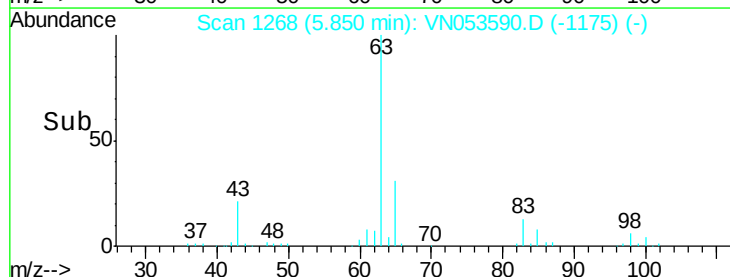
60000

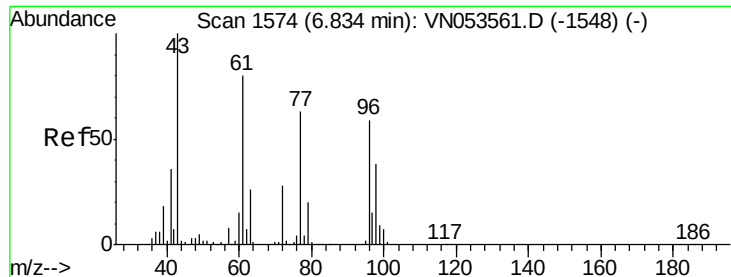
40000

20000

0

Time-->

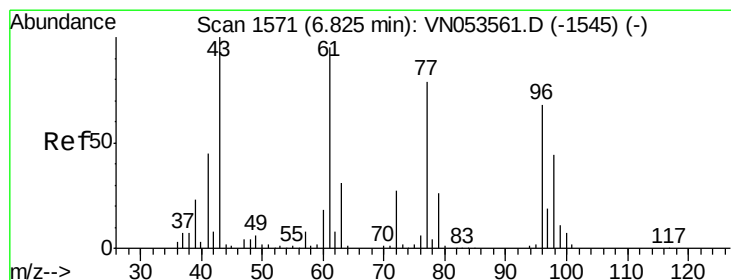
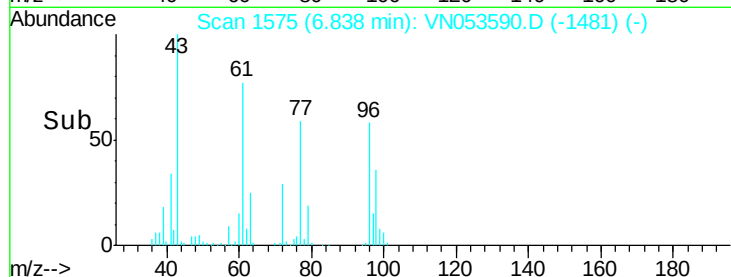
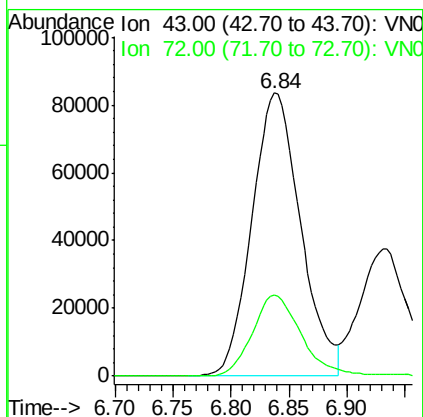
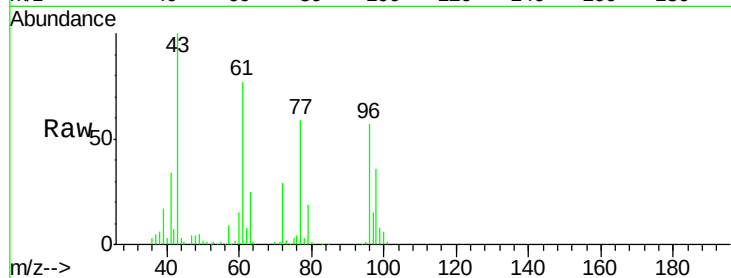




#25
2-Butanone
Concen: 95.610 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

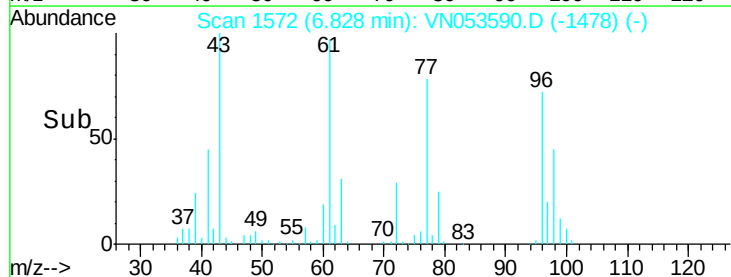
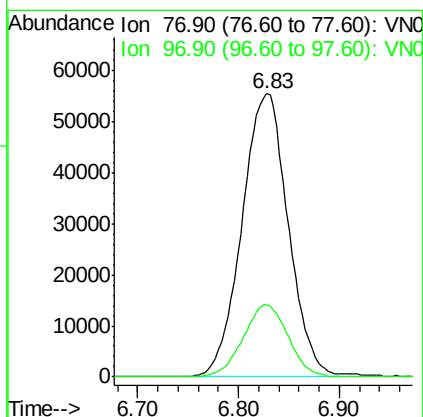
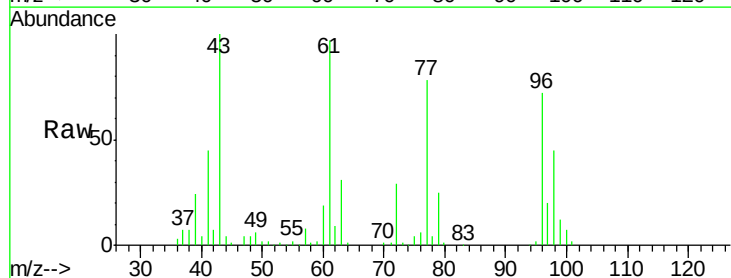
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

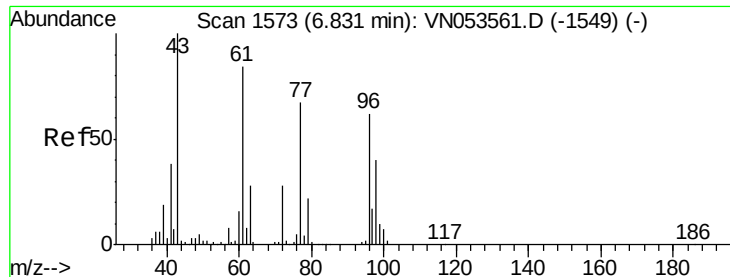
Tot Ion: 43 Resp: 244651
Ion Ratio Lower Upper
43 100
72 28.7 22.0 33.0



#26
2,2-Dichloropropane
Concen: 18.164 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 77 Resp: 176169
Ion Ratio Lower Upper
77 100
97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.172 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

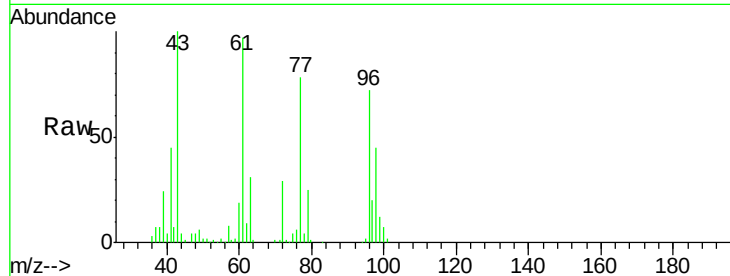
Tot Ion: 96 Resp: 148497

Ion Ratio Lower Upper

96 100

61 139.5 0.0 283.8

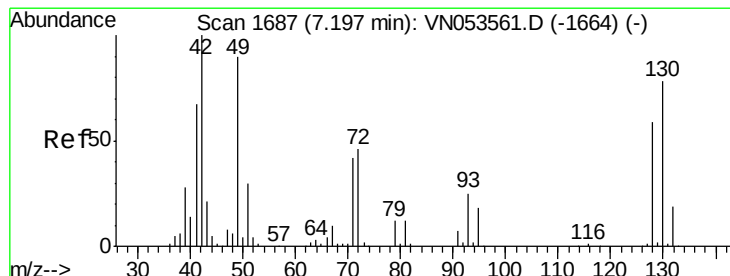
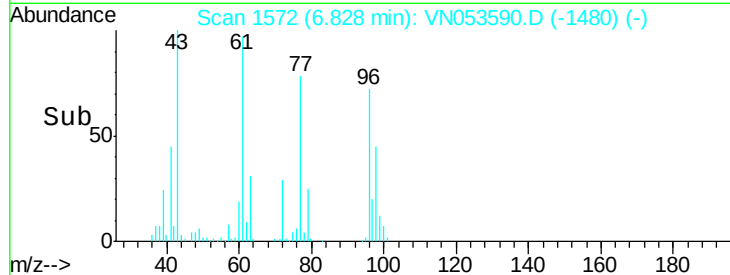
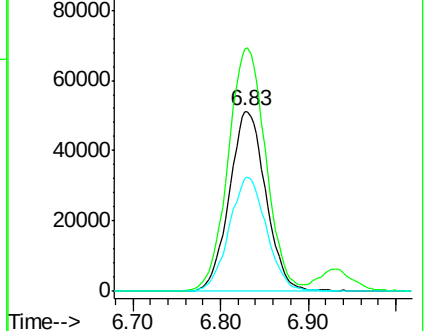
98 64.4 0.0 129.2



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: 20.064 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

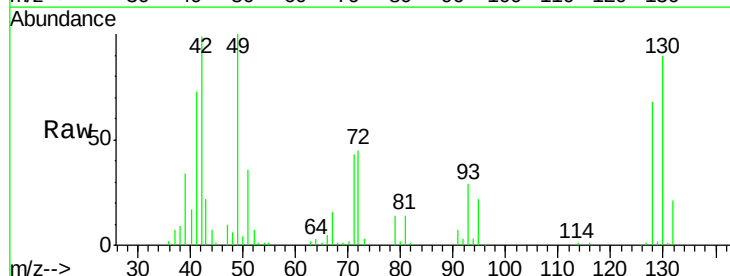
Tgt Ion: 49 Resp: 110622

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

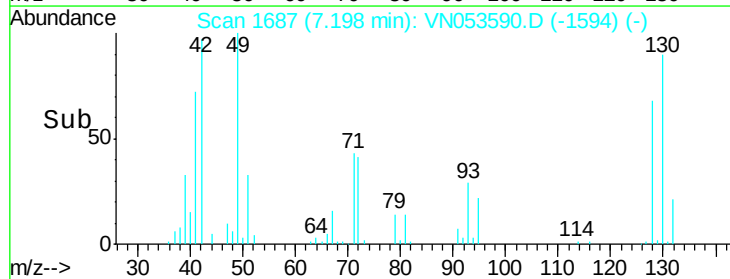
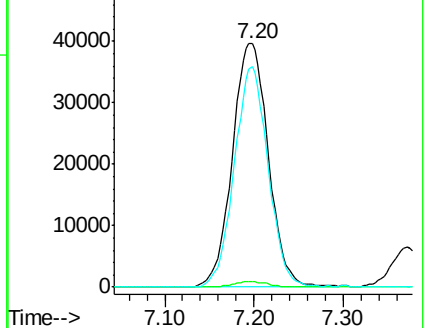
130 85.4 66.3 99.5

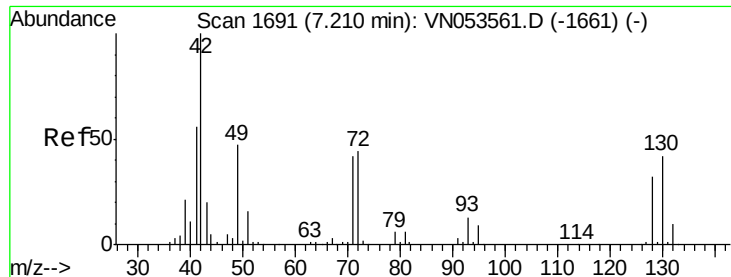


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

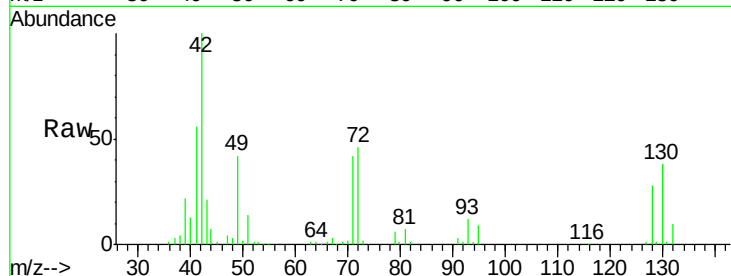




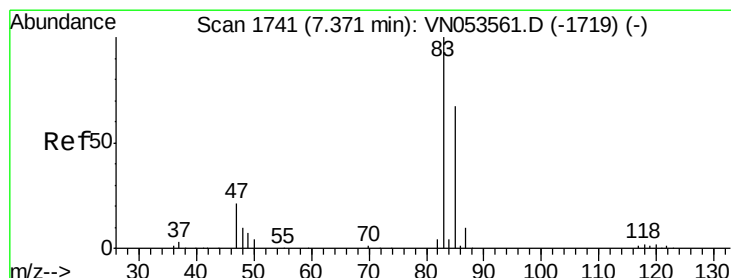
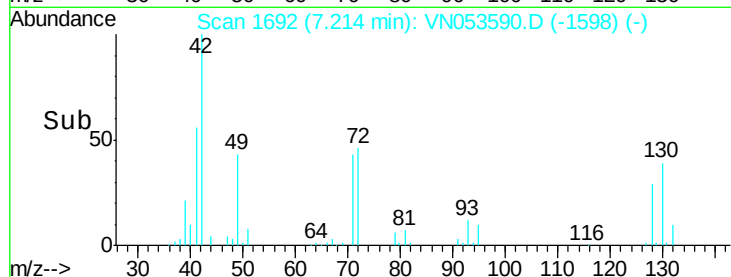
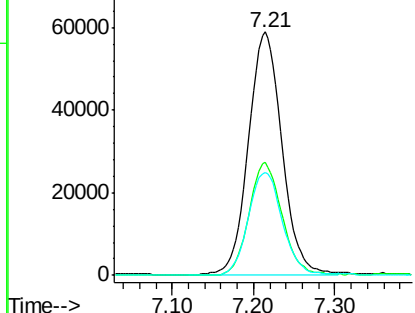
#29
Tetrahydrofuran
Concen: 101.162 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 42 Resp: 166221
Ion Ratio Lower Upper
42 100
72 45.7 35.2 52.8
71 43.3 33.0 49.4

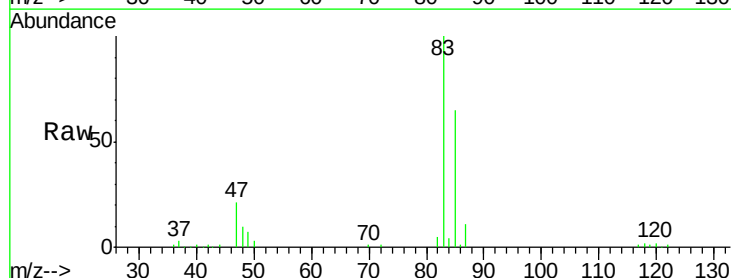


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

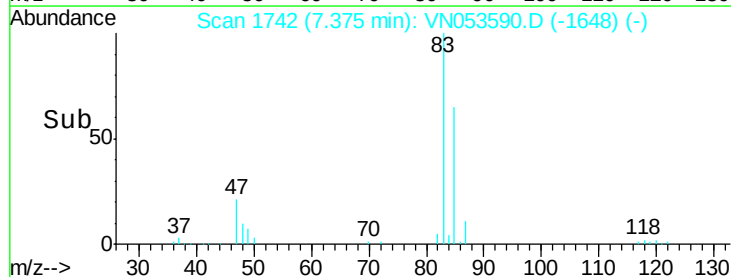
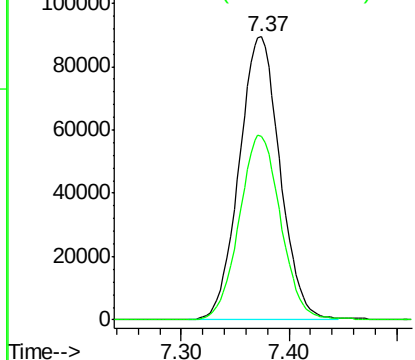


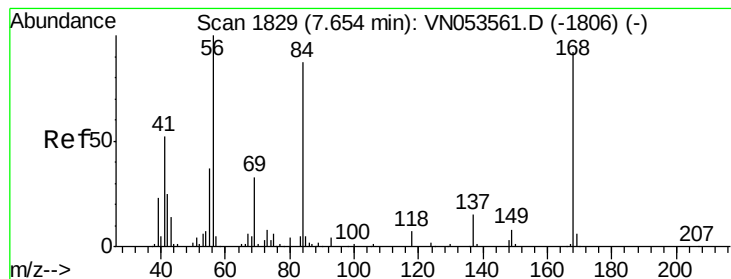
#30
Chloroform
Concen: 18.682 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 83 Resp: 235298
Ion Ratio Lower Upper
83 100
85 64.8 52.2 78.2



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





#31

Cyclohexane

Concen: 17.952 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

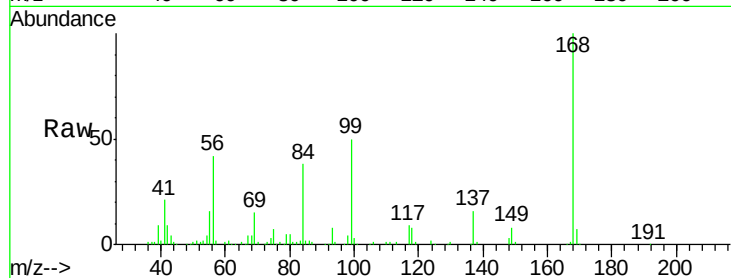
Tot Ion: 56 Resp: 213643

Ion Ratio Lower Upper

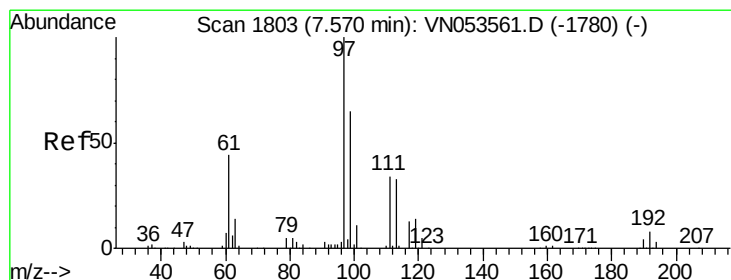
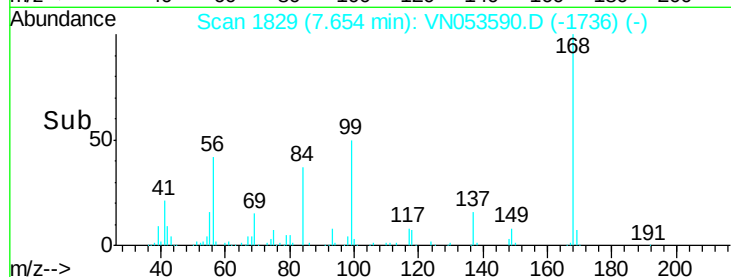
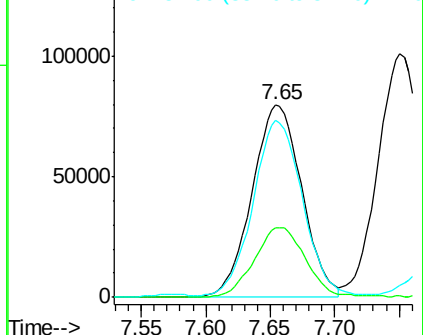
56 100

69 35.9 26.4 39.6

84 90.5 67.9 101.9



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: 19.001 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

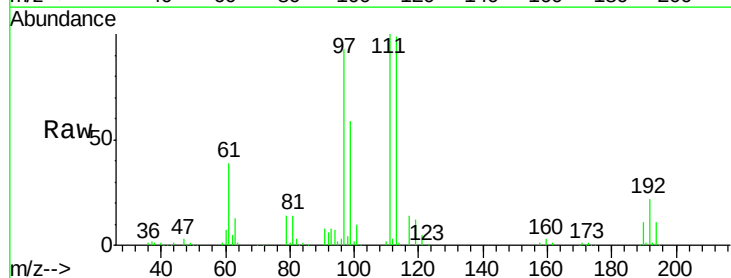
Tgt Ion: 97 Resp: 199159

Ion Ratio Lower Upper

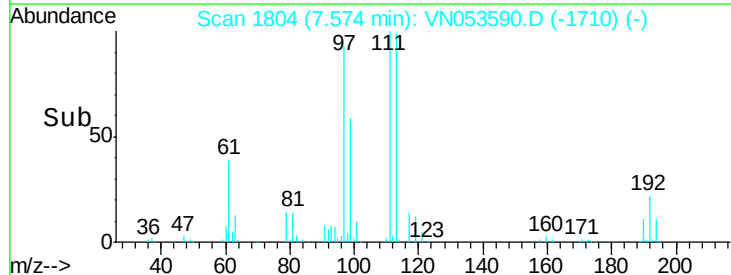
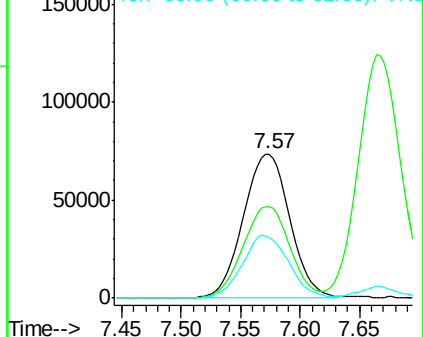
97 100

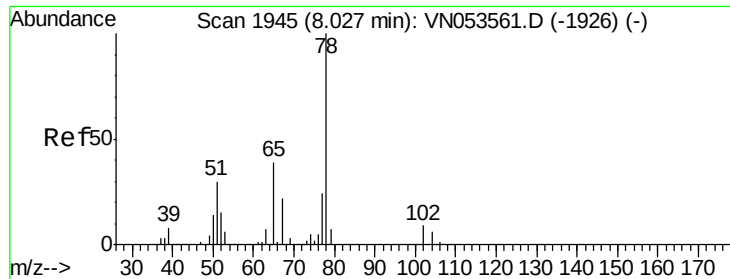
99 64.5 52.0 78.0

61 43.3 34.4 51.6



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

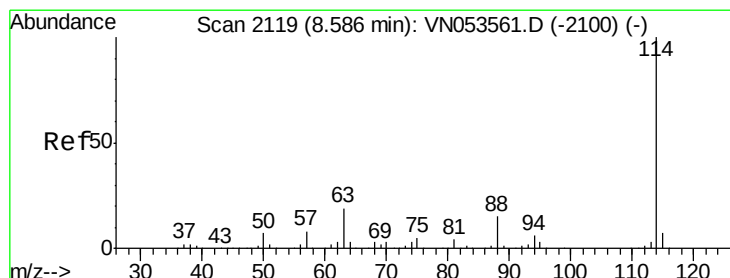
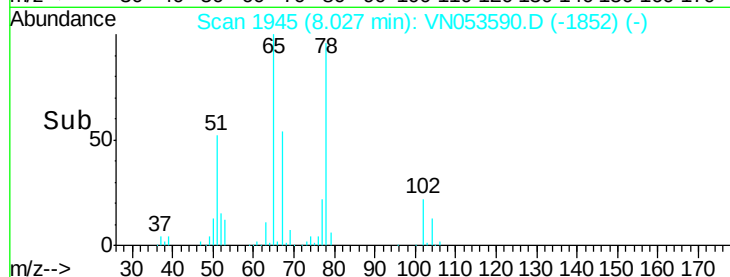
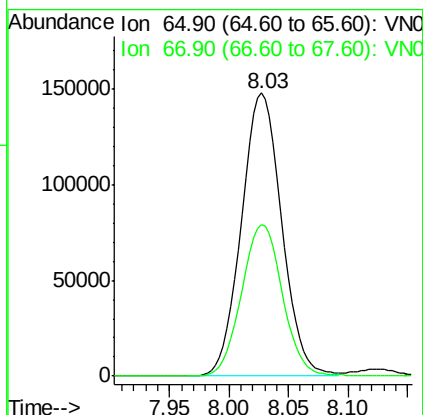
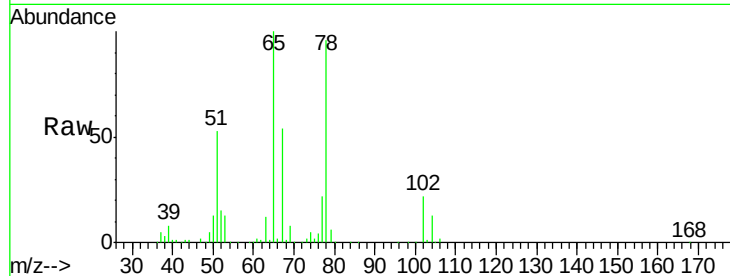




#33
 1,2-Dichloroethane-d4
 Concen: 19.001 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

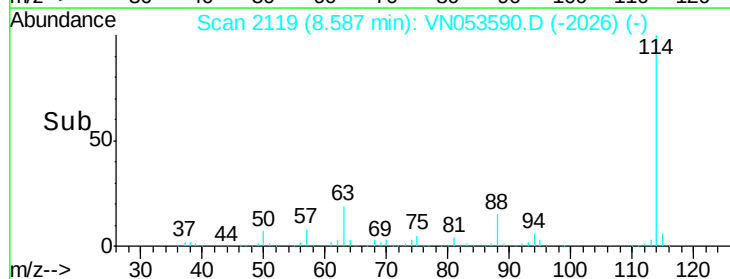
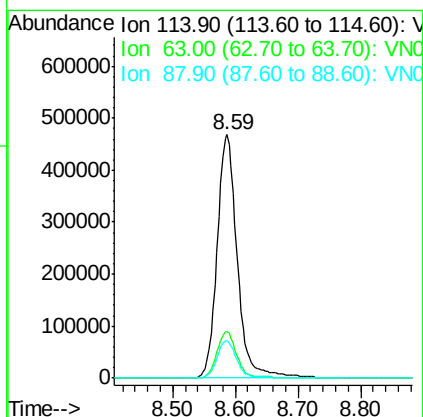
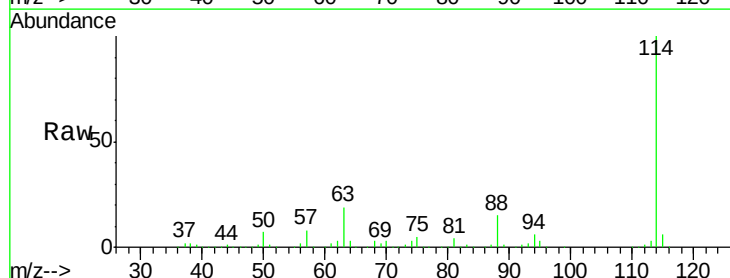
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

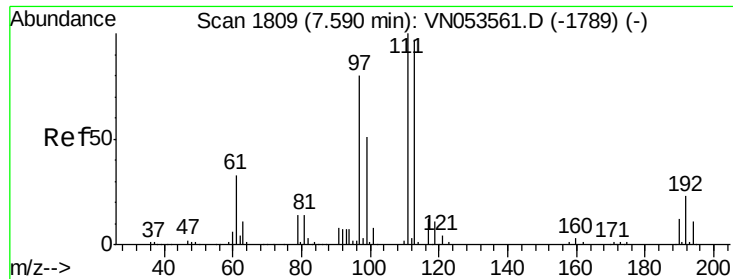
Tot Ion: 65 Resp: 347468
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 114 Resp: 1045956
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.6
 88 15.3 0.0 30.4

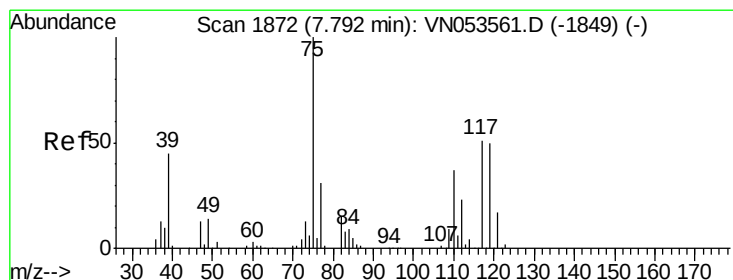
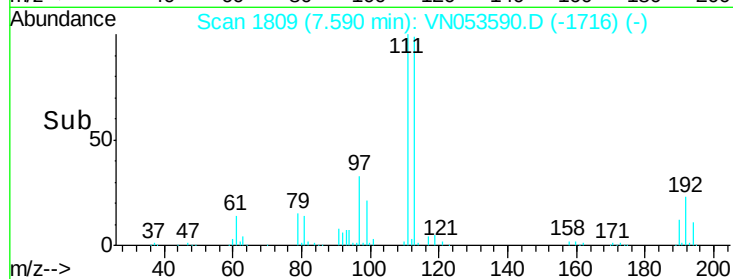
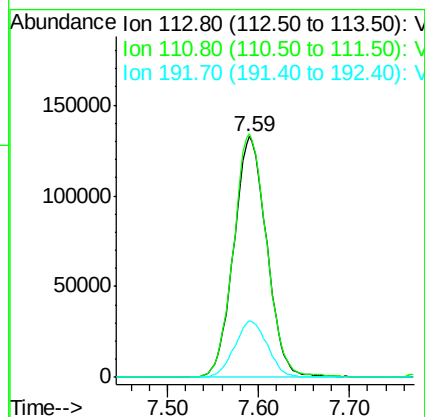
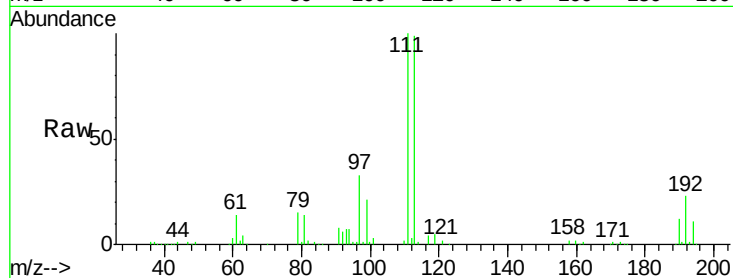




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

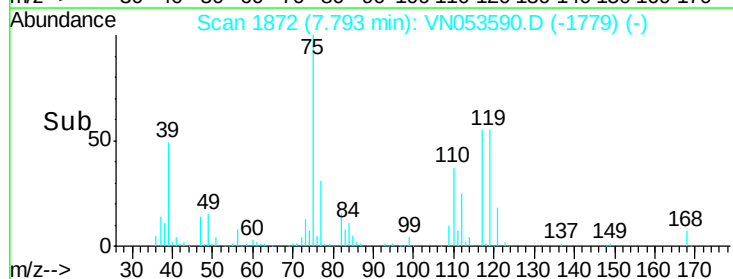
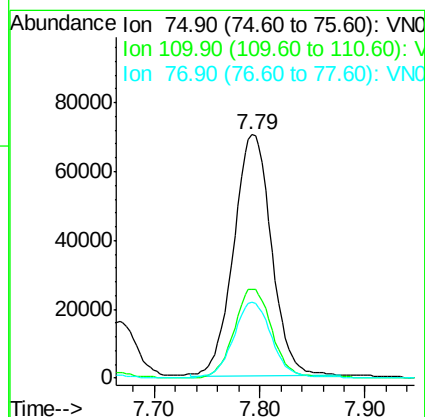
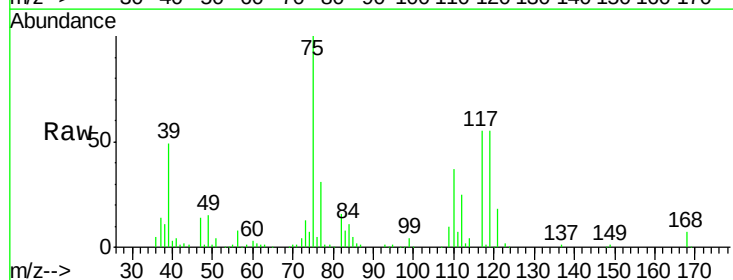
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

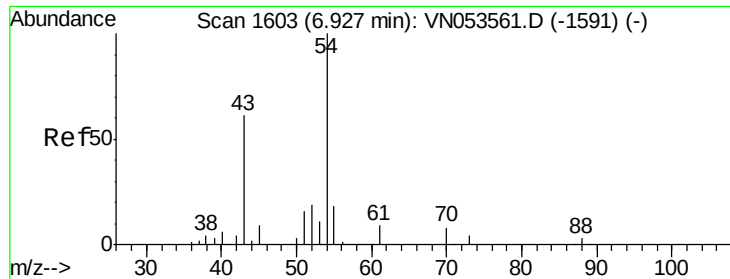
Tot Ion:113 Resp: 333576
 Ion Ratio Lower Upper
 113 100
 111 102.0 81.1 121.7
 192 23.3 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 18.475 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 75 Resp: 174195
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.3
 77 32.1 25.1 37.7

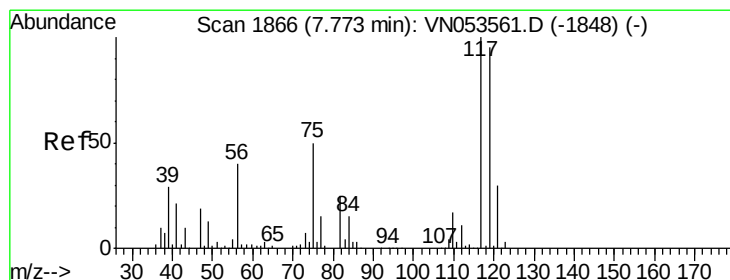
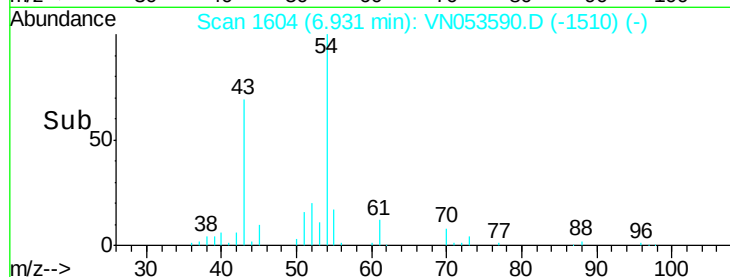
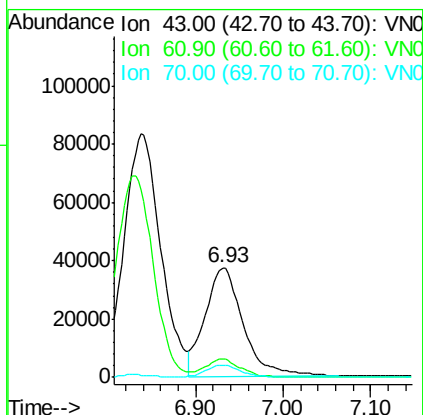
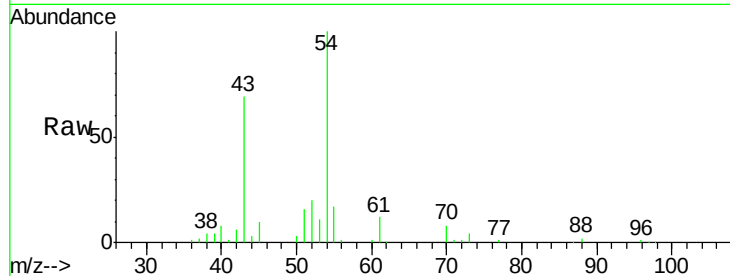




#37
Ethyl Acetate
Concen: 21.483 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

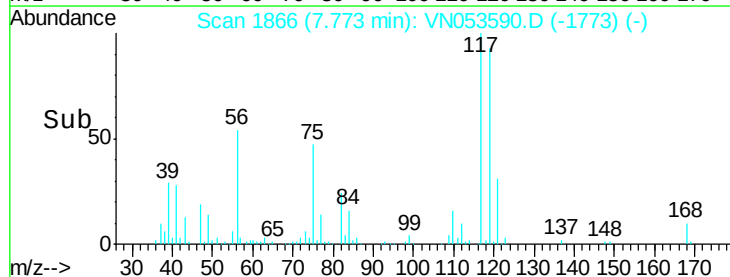
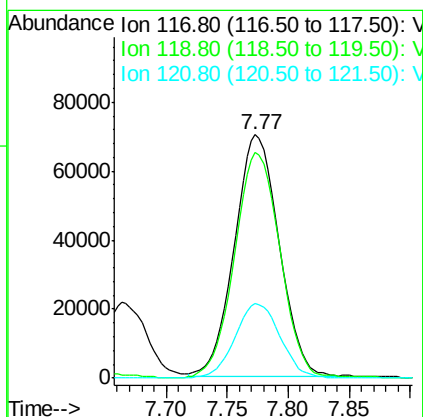
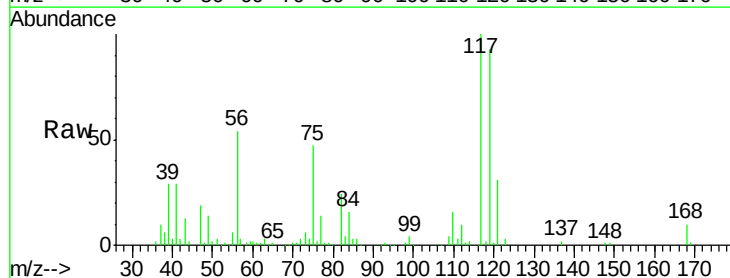
Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

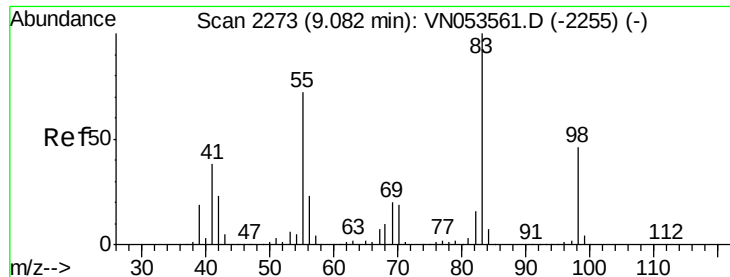
Tot Ion: 43 Resp: 113127
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.5 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.672 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 117 Resp: 177353
Ion Ratio Lower Upper
117 100
119 93.0 77.2 115.8
121 30.8 24.6 37.0

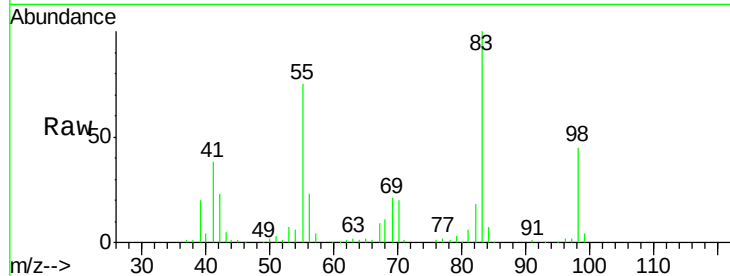




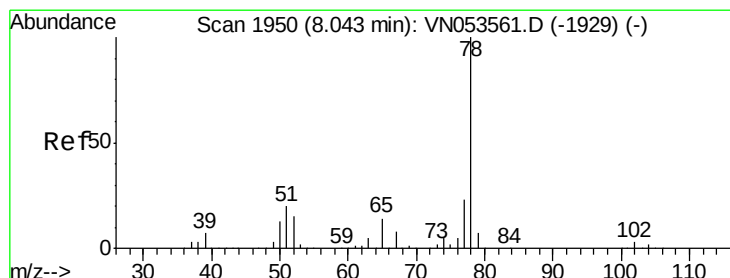
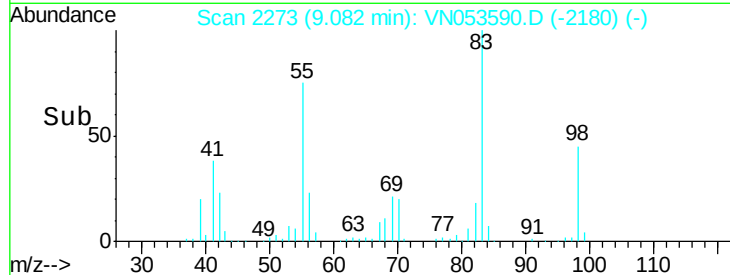
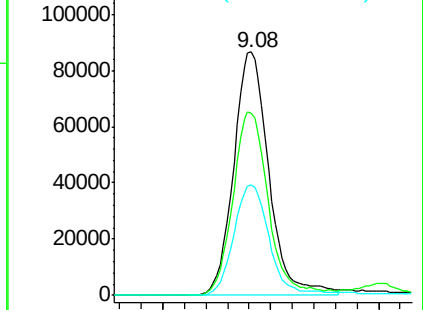
#39
Methylvlcyclohexane
Concen: 17.625 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 83 Resp: 197160
Ion Ratio Lower Upper
83 100
55 74.9 60.1 90.1
98 45.5 36.6 55.0

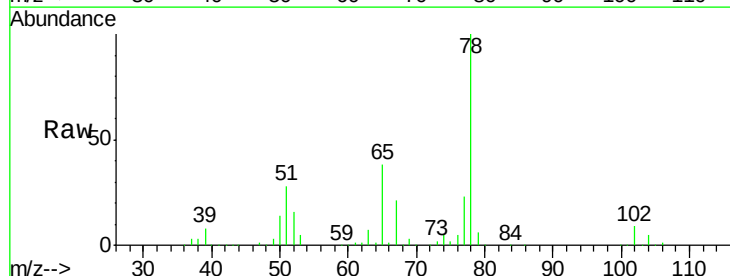


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

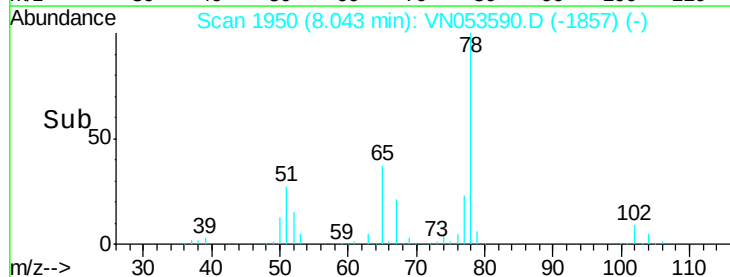
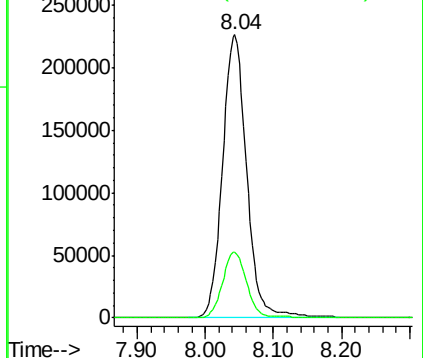


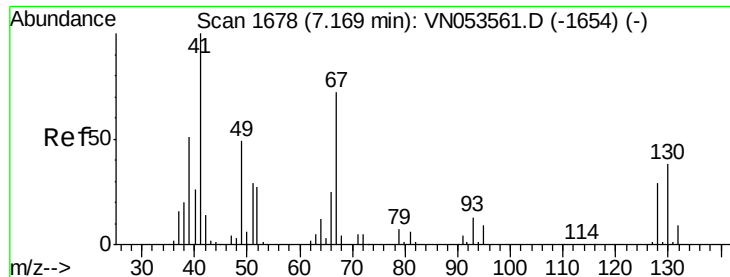
#40
Benzene
Concen: 19.184 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 78 Resp: 557774
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

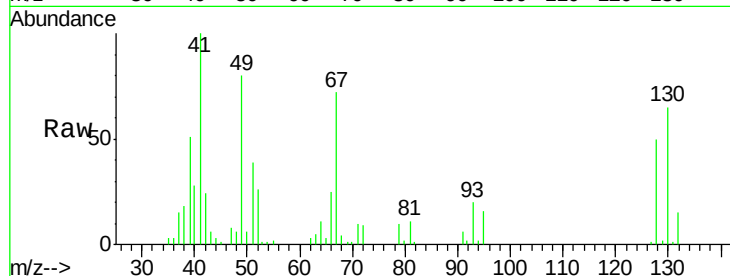




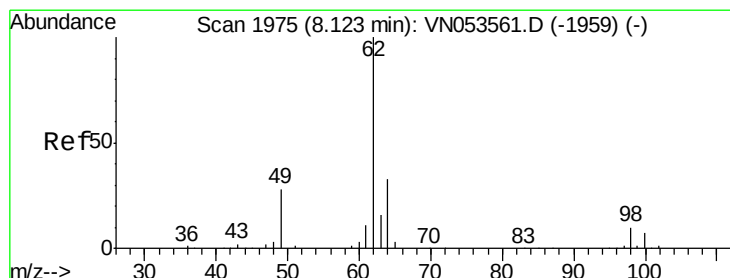
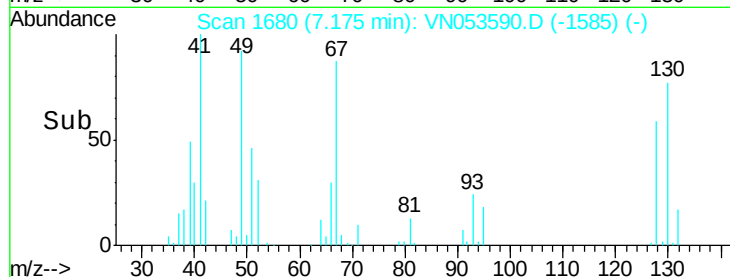
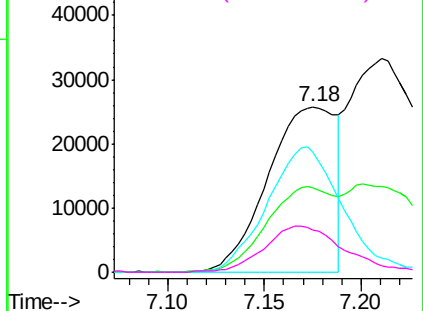
#41
Methacrylonitrile
Concen: 21.464 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion: 41 Resp: 63171
Ion Ratio Lower Upper
41 100
39 51.3 46.8 70.2
67 84.5 63.0 94.6
52 32.5 23.8 35.8

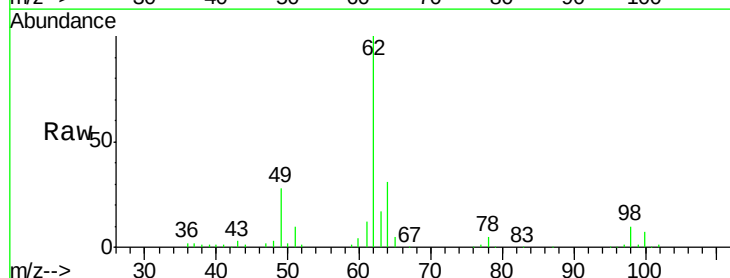


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

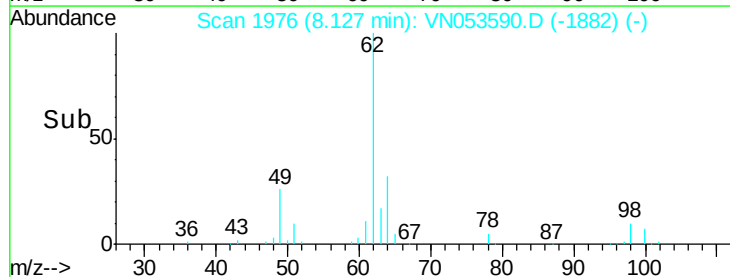
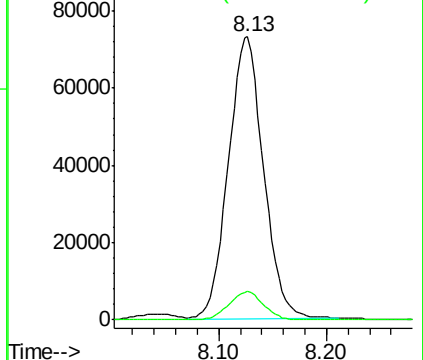


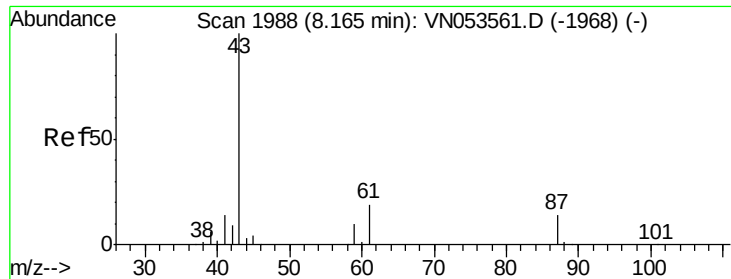
#42
1,2-Dichloroethane
Concen: 19.204 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 62 Resp: 165792
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 18.027 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

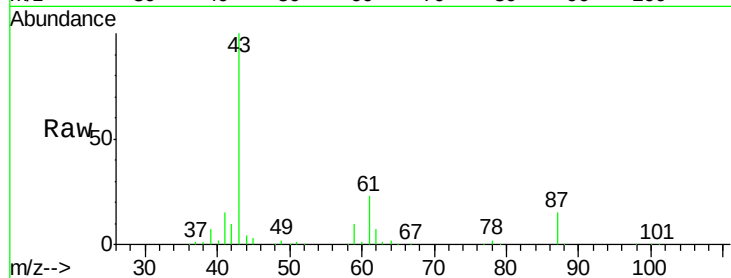
Tot Ion: 43 Resp: 183328

Ion Ratio Lower Upper

43 100

61 21.7 23.9 35.9#

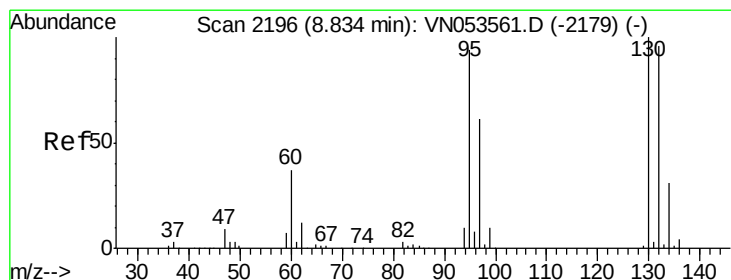
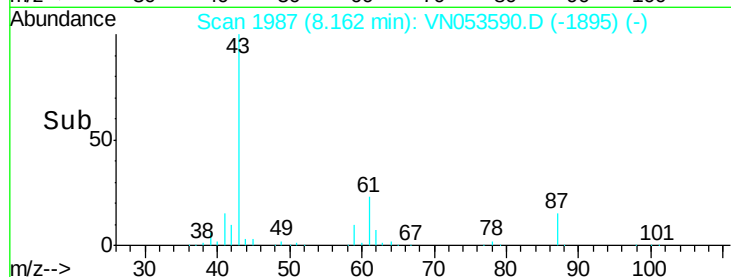
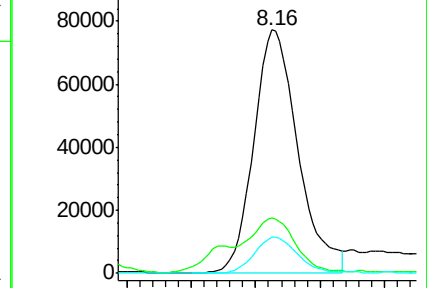
87 14.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN053561.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN053561.D (-1968) (-)



#44

Trichloroethene

Concen: 18.815 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN053590.D

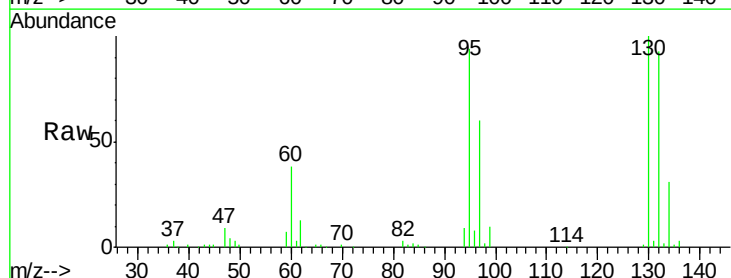
Acq: 4 Feb 2019 12:23

Tgt Ion:130 Resp: 155744

Ion Ratio Lower Upper

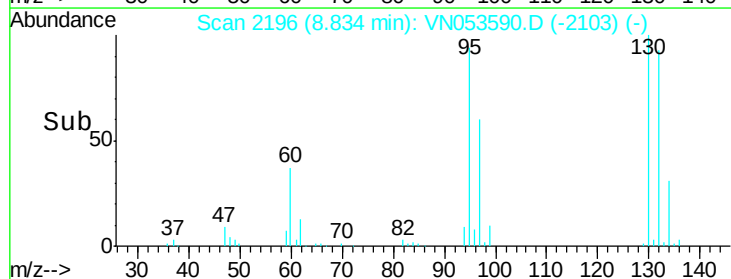
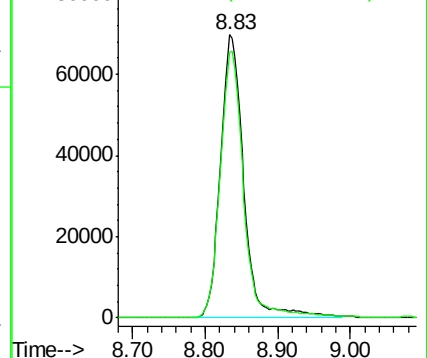
130 100

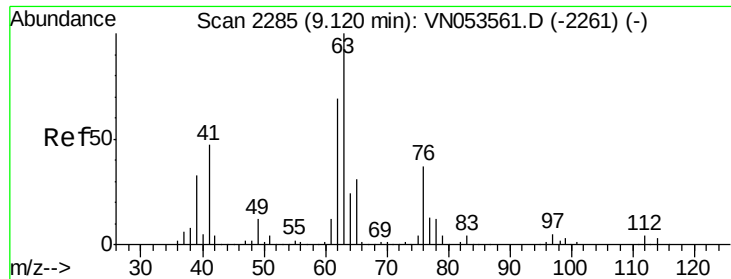
95 94.0 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053561.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN053561.D (-2179) (-)

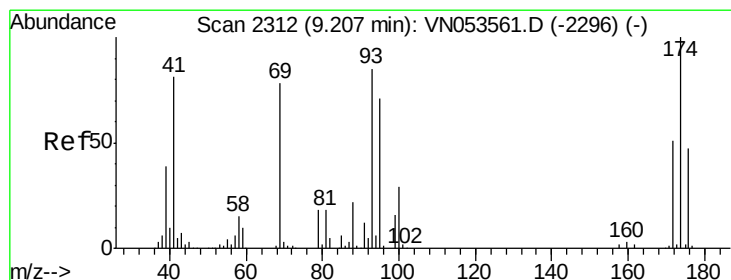
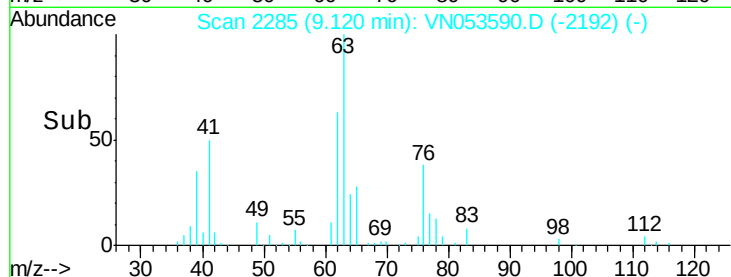
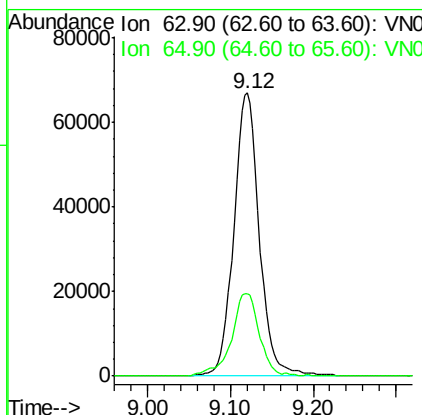
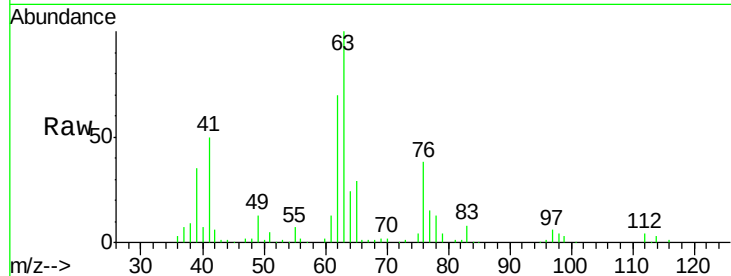




#45
 1,2-Dichloropropane
 Concen: 19.385 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

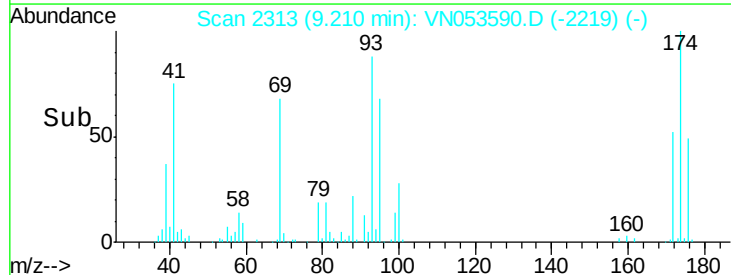
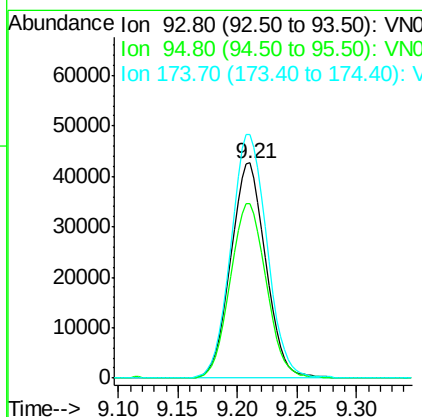
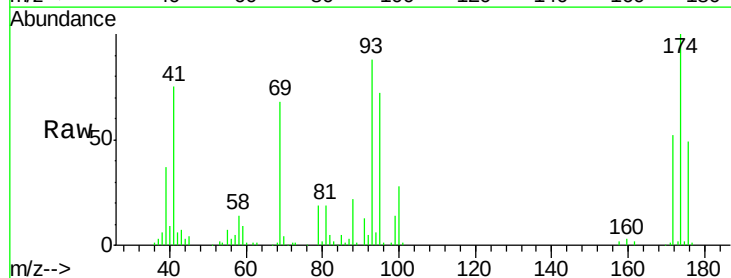
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

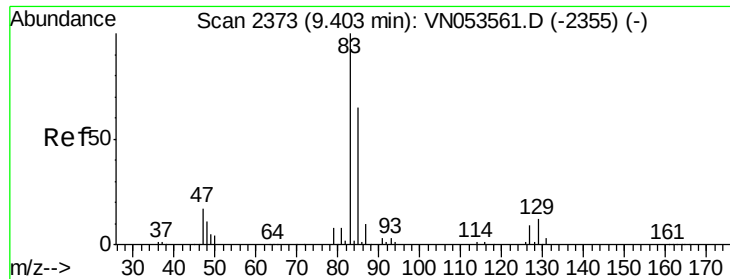
Tot Ion: 63 Resp: 144160
 Ion Ratio Lower Upper
 63 100
 65 29.3 25.0 37.4



#46
 Dibromomethane
 Concen: 19.462 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 93 Resp: 87246
 Ion Ratio Lower Upper
 93 100
 95 83.0 67.3 100.9
 174 116.2 91.0 136.4

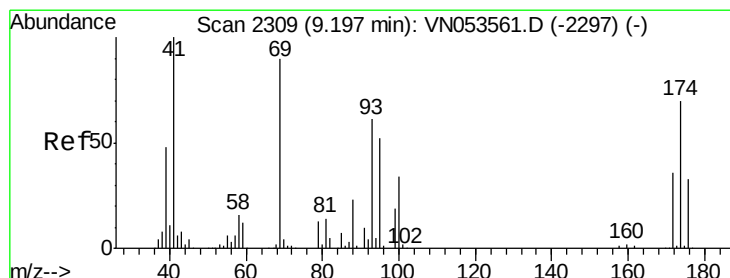
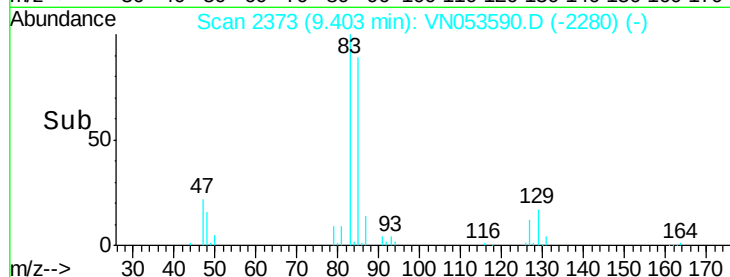
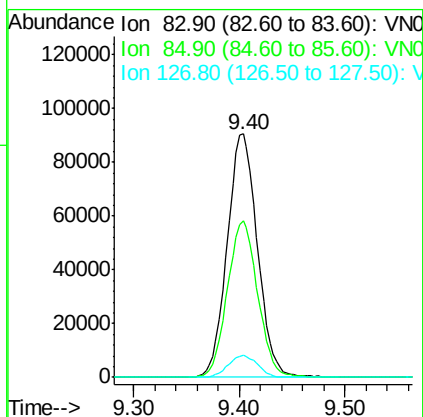
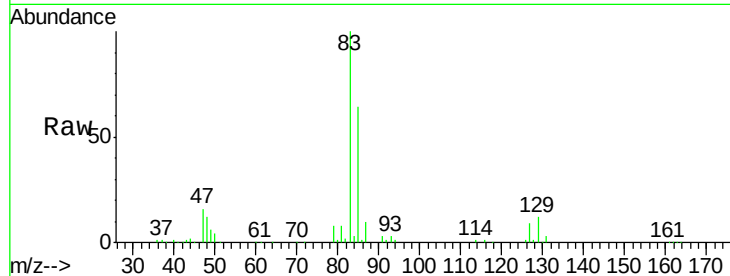




#47
Bromodichloromethane
Concen: 19.260 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

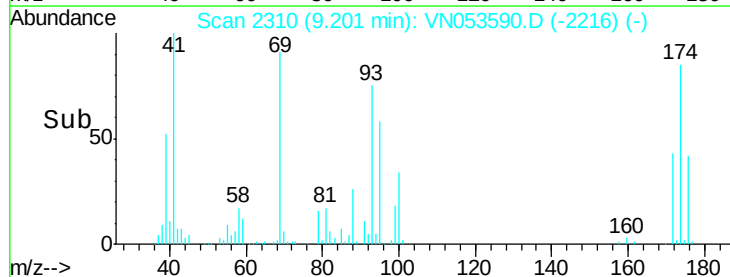
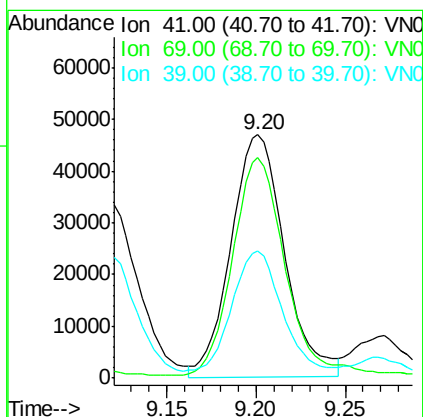
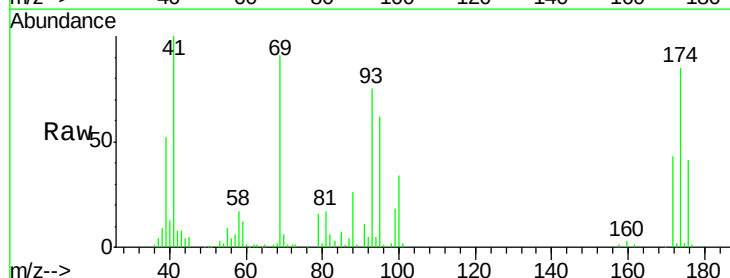
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

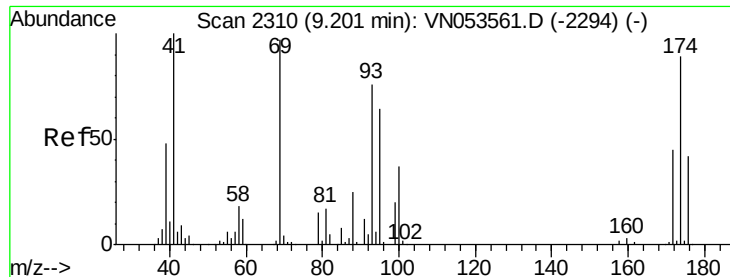
Tot Ion: 83 Resp: 179522
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.6
127 8.9 7.0 10.6



#48
Methyl methacrylate
Concen: 20.223 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 41 Resp: 98171
Ion Ratio Lower Upper
41 100
69 88.8 73.8 110.6
39 50.5 40.0 60.0





#49

1,4-Dioxane

Concen: 408.130 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

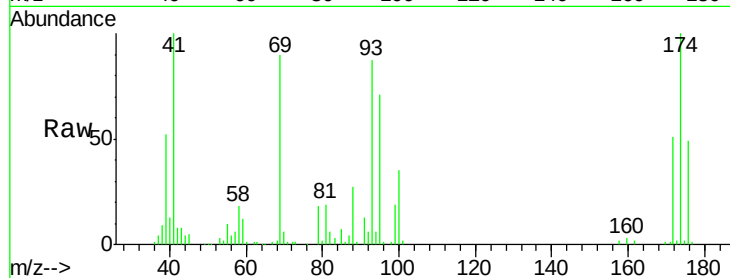
Tot Ion: 88 Resp: 27014

Ion Ratio Lower Upper

88 100

43 27.4 27.8 41.6#

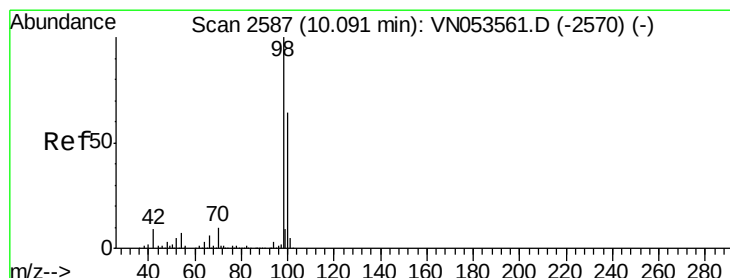
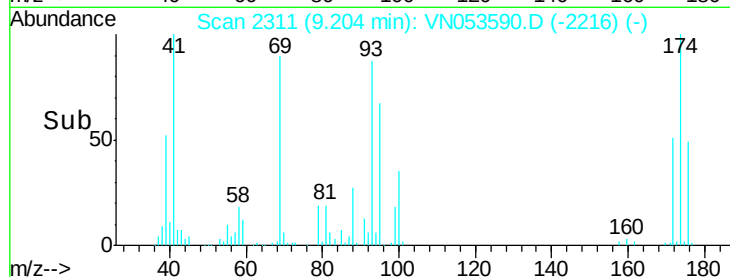
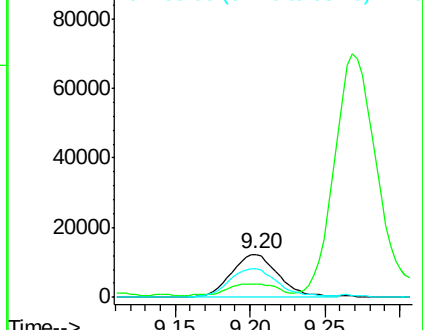
58 69.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053561.D (-2294) (-)

Ion 43.00 (42.70 to 43.70): VN053561.D (-2294) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2294) (-)



#50

Toluene-d8

Concen: 408.130 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053590.D

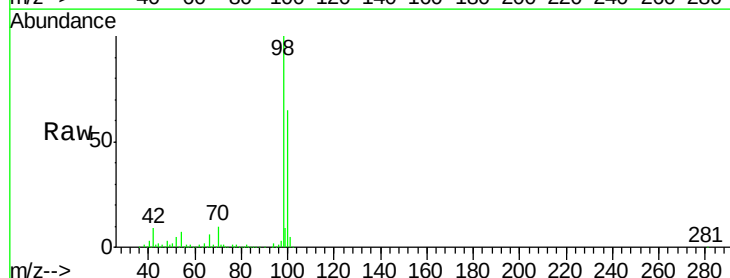
Acq: 4 Feb 2019 12:23

Tgt Ion: 98 Resp: 1218383

Ion Ratio Lower Upper

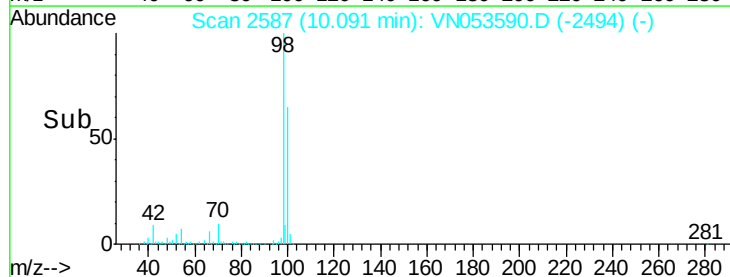
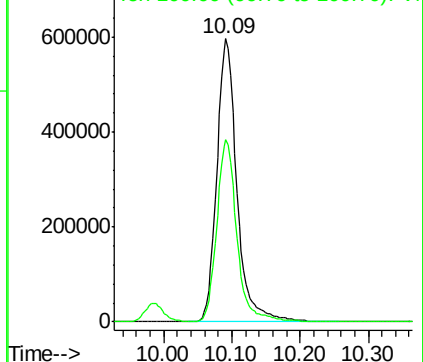
98 100

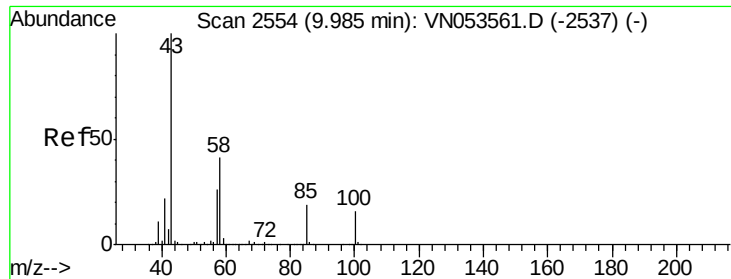
100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 101.500 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

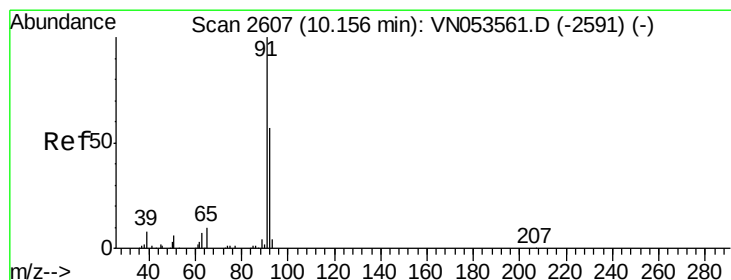
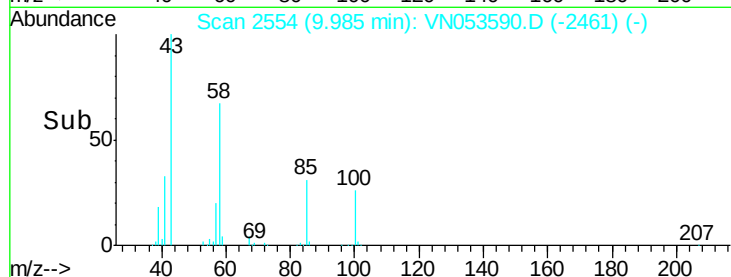
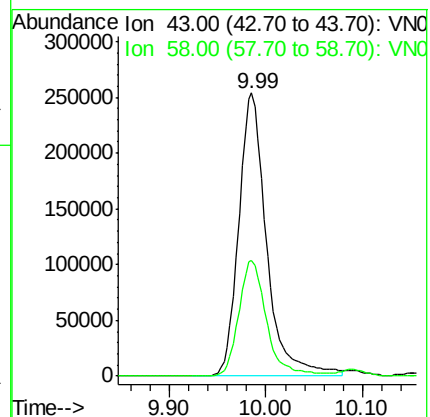
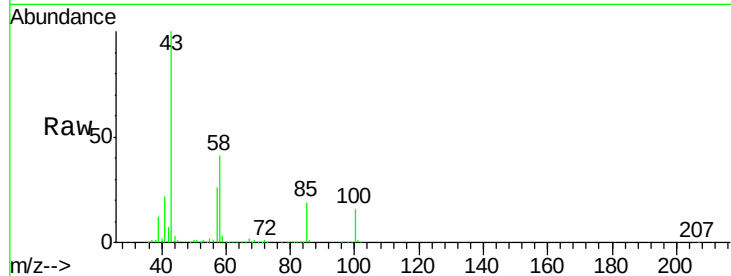
VN0204MBS01

Tot Ion: 43 Resp: 507235

Ion Ratio Lower Upper

43 100

58 40.8 32.8 49.2



#52

Toluene

Concen: 19.365 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053590.D

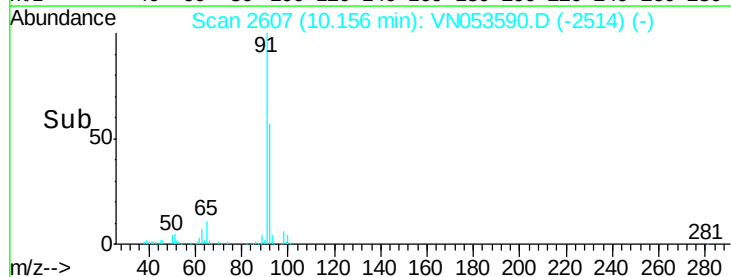
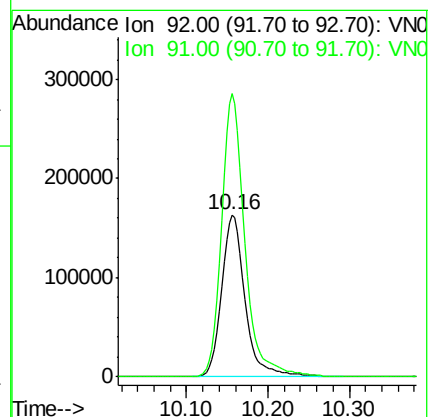
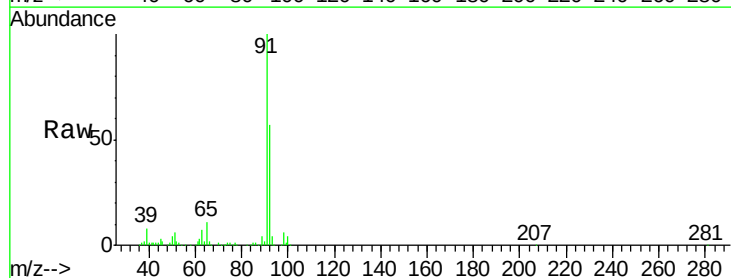
Acq: 4 Feb 2019 12:23

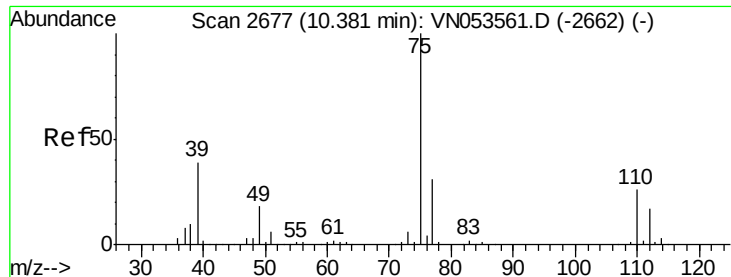
Tgt Ion: 92 Resp: 334167

Ion Ratio Lower Upper

92 100

91 173.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 18.406 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

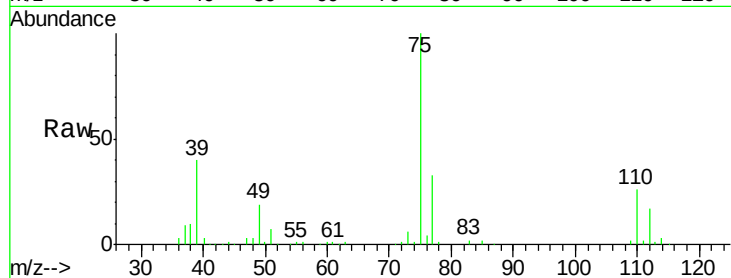
VN0204MBS01

Tot Ion: 75 Resp: 171797

Ion Ratio Lower Upper

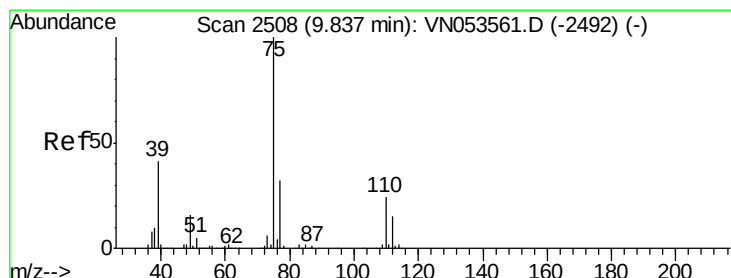
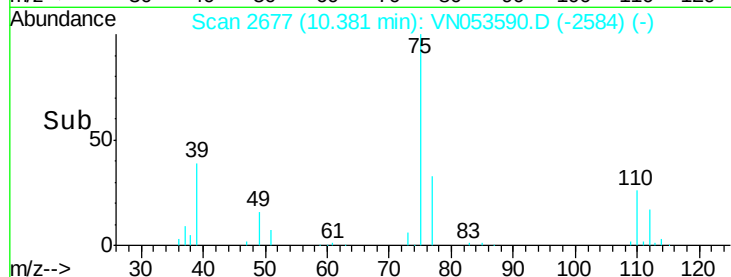
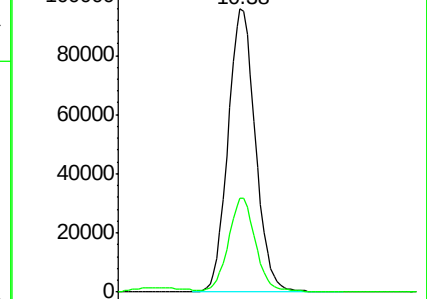
75 100

77 32.9 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.771 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

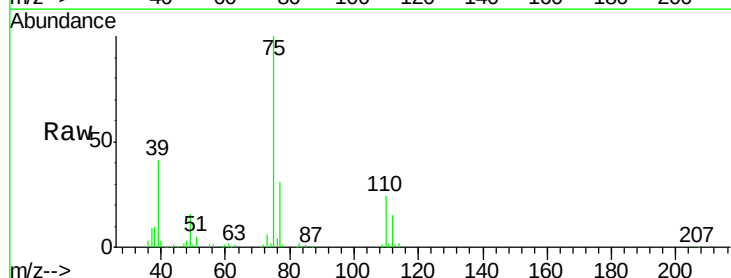
Tgt Ion: 75 Resp: 207615

Ion Ratio Lower Upper

75 100

77 31.3 25.8 38.6

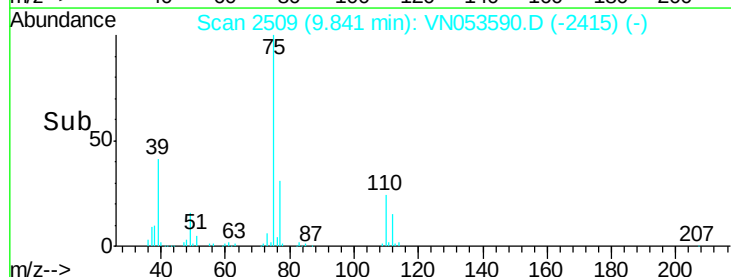
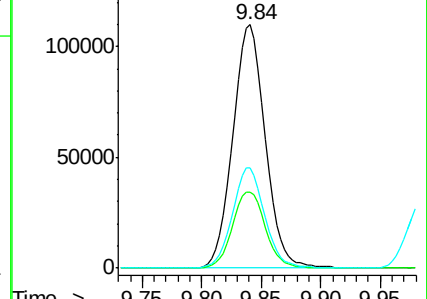
39 41.2 33.4 50.0

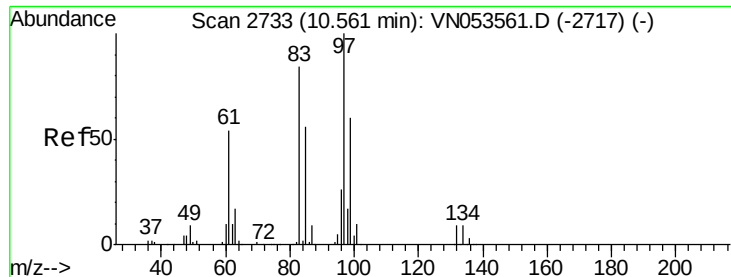


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 19.895 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampled :

VN0204MBS01

Tot Ion: 97 Resp: 123710

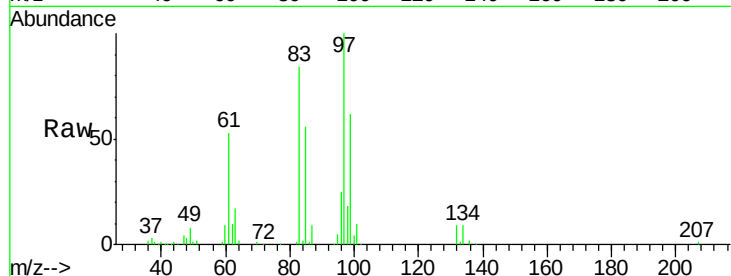
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.1	105.1
85	55.6	45.4	68.0
99	61.6	49.8	74.8

97 100

83 84.3 70.1 105.1

85 55.6 45.4 68.0

99 61.6 49.8 74.8



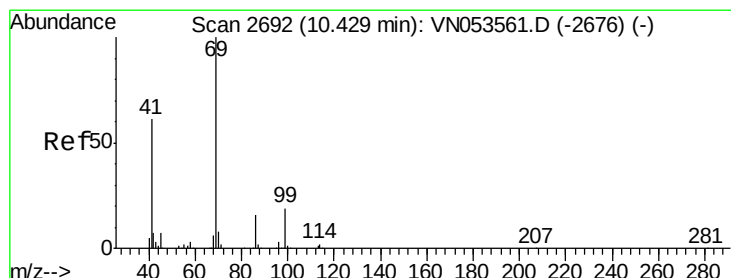
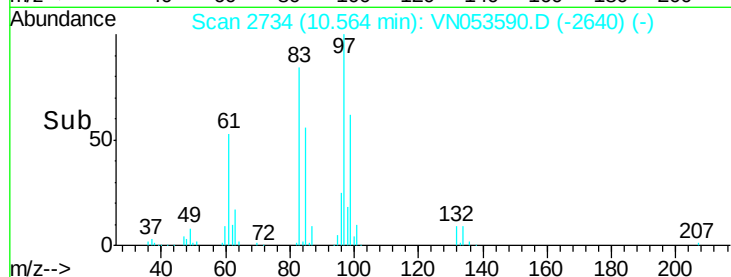
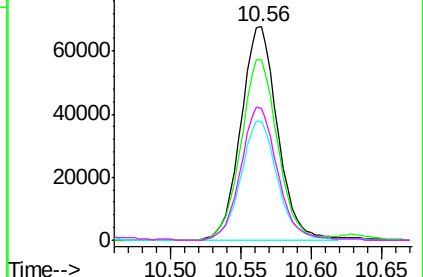
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.390 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

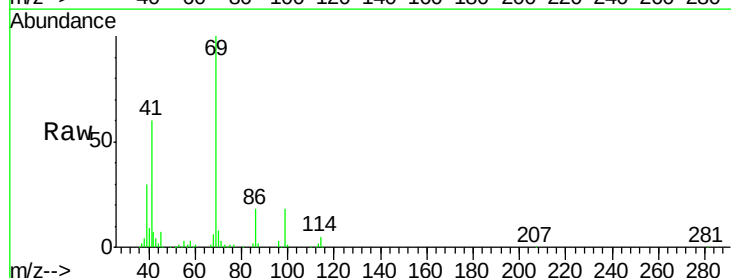
Tgt Ion: 69 Resp: 142630

Ion	Ratio	Lower	Upper
69	100		
41	59.4	49.4	74.0
39	28.3	23.3	34.9

69 100

41 59.4 49.4 74.0

39 28.3 23.3 34.9

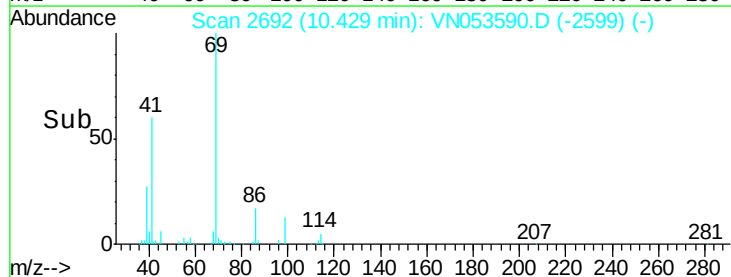
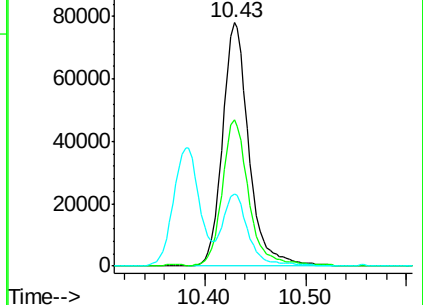


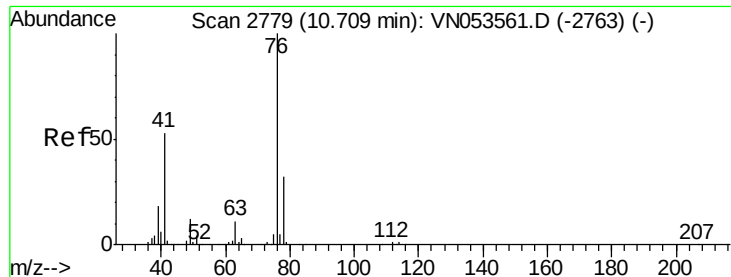
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

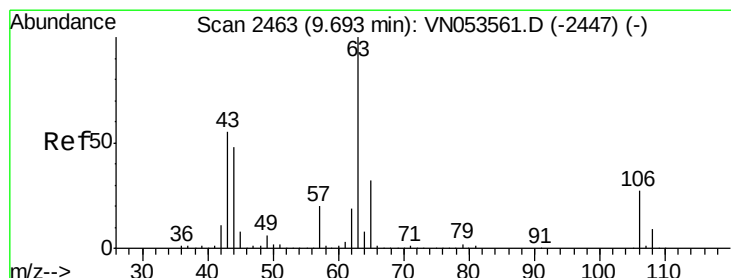
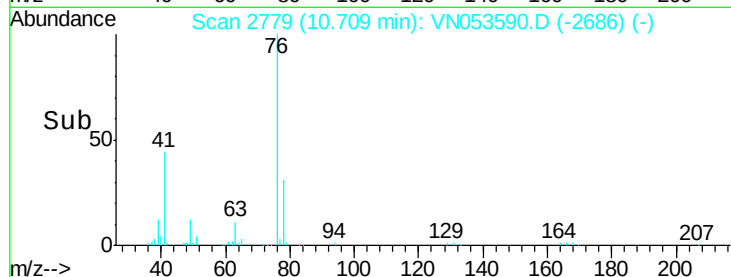
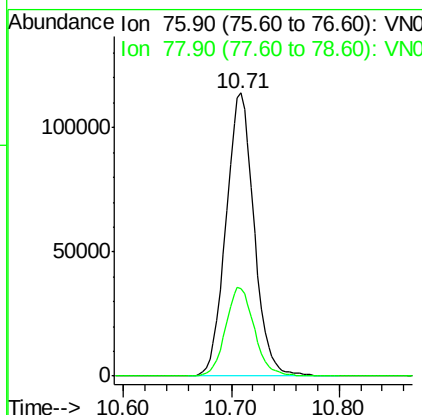
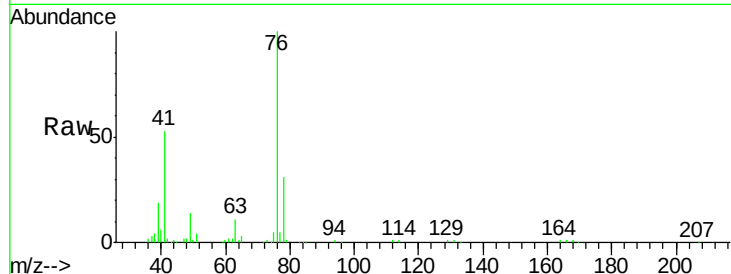




#57
 1,3-Dichloropropane
 Concen: 19.472 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

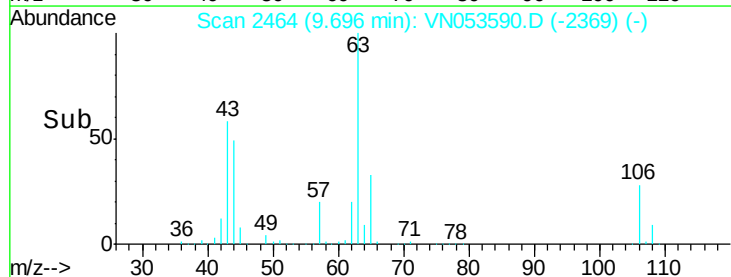
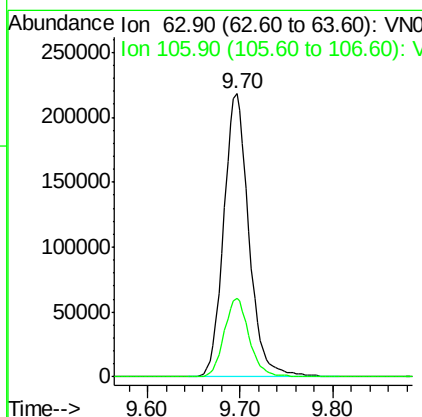
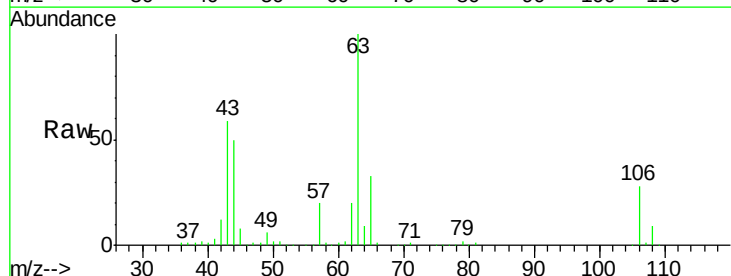
Instrument :
 MSVOA_N
 ClientSampled :
 VN0204MBS01

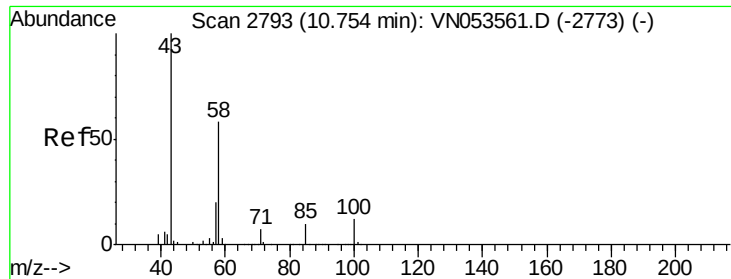
Tot Ion: 76 Resp: 206930
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.179 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 63 Resp: 410833
 Ion Ratio Lower Upper
 63 100
 106 27.6 21.5 32.3

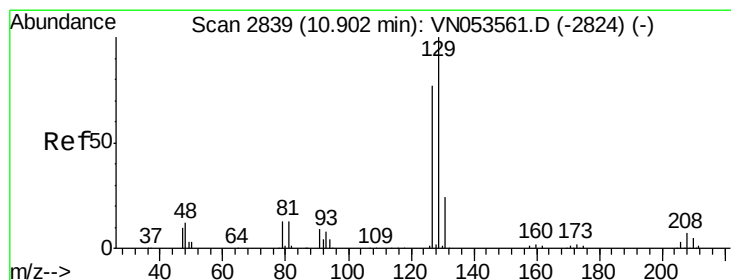
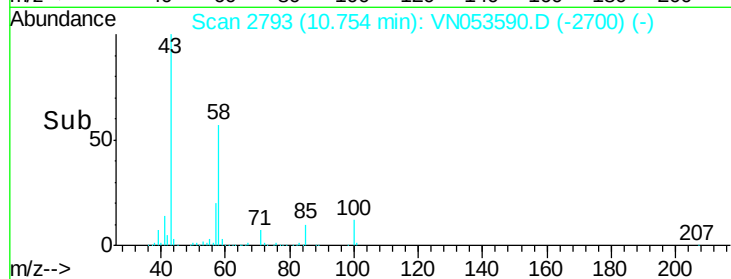
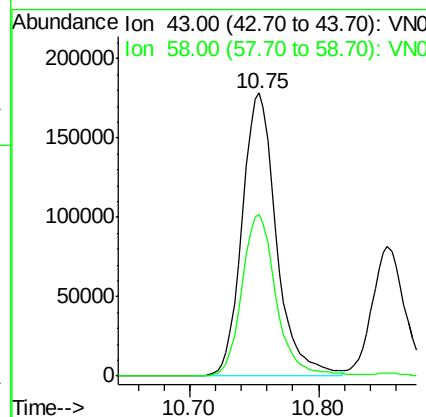
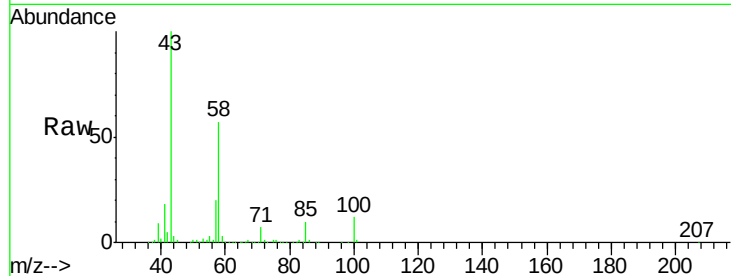




#59
2-Hexanone
Concen: 96.527 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

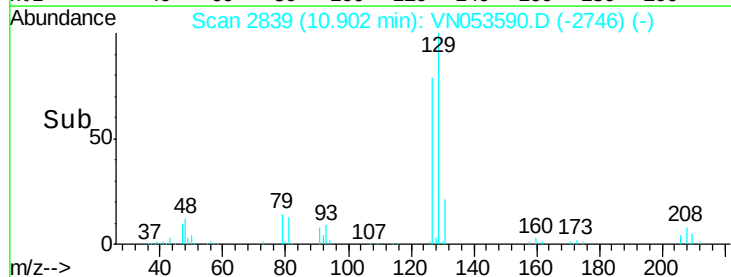
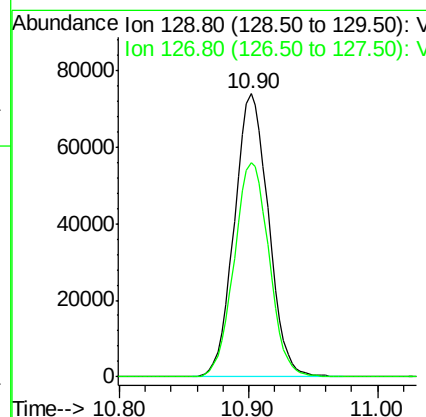
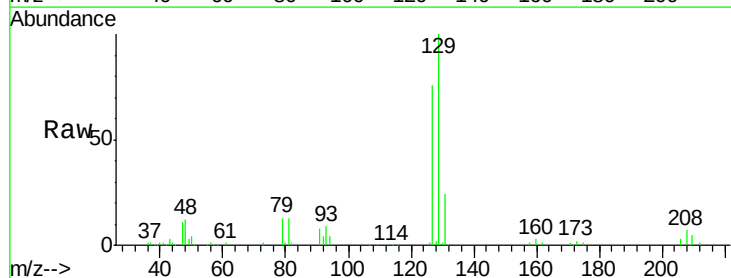
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

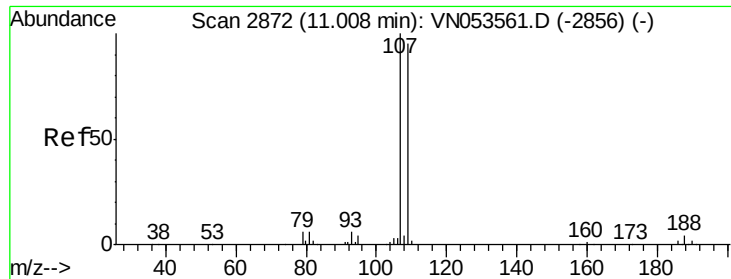
Tot Ion: 43 Resp: 327477
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.8



#60
Dibromochloromethane
Concen: 19.411 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 129 Resp: 136110
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8

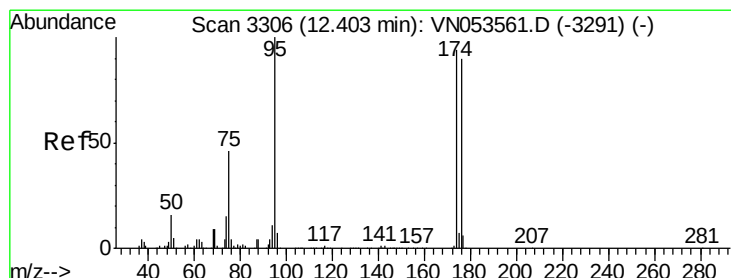
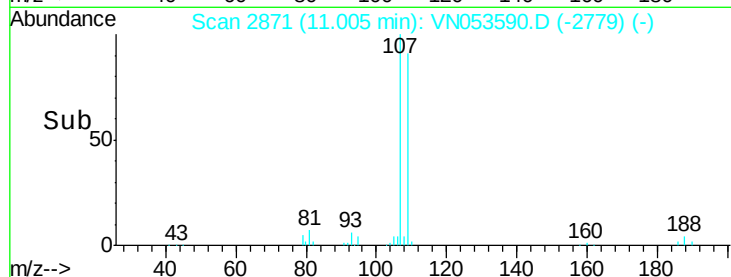
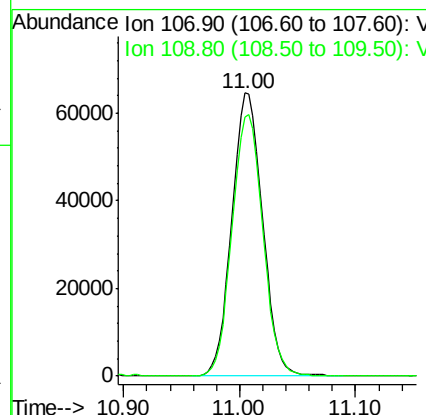
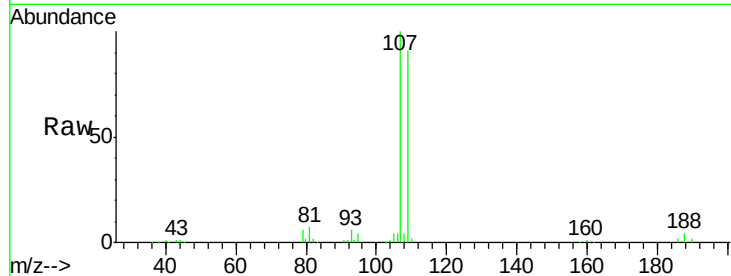




#61
 1,2-Dibromoethane
 Concen: 19.234 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

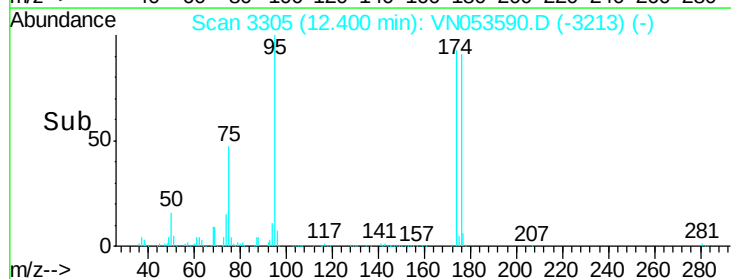
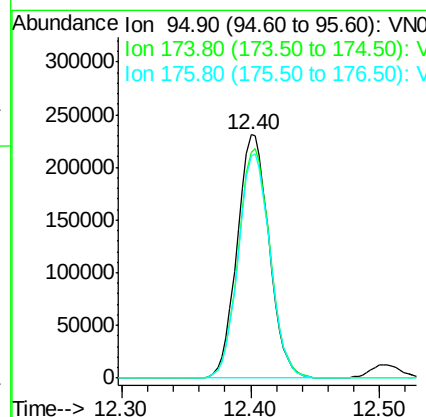
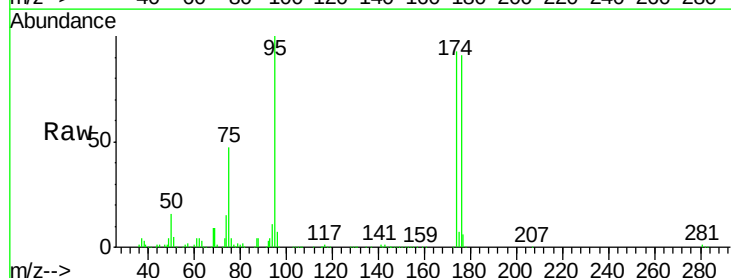
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

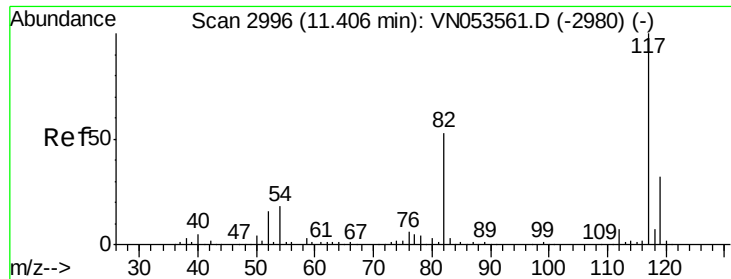
Tot Ion:107 Resp: 118376
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 19.234 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 95 Resp: 397685
 Ion Ratio Lower Upper
 95 100
 174 94.0 0.0 183.2
 176 91.7 0.0 177.4

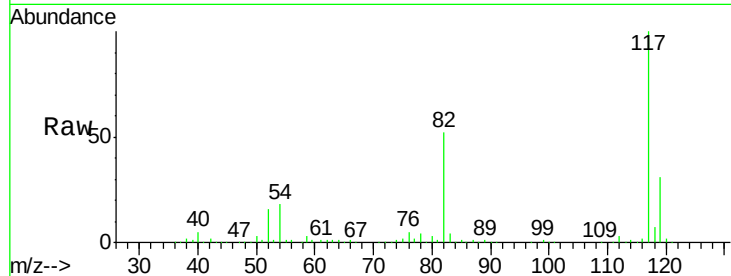




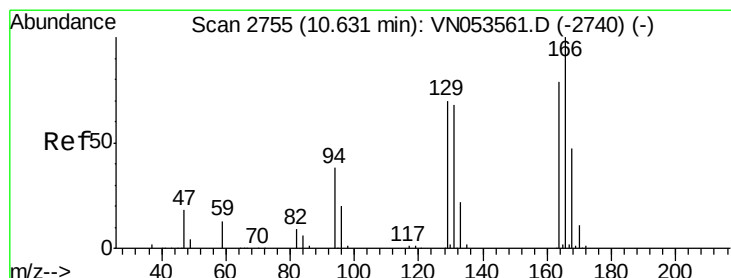
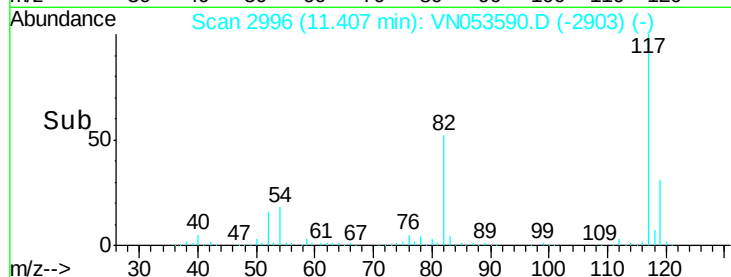
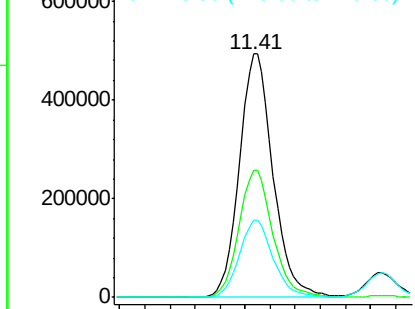
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion:117 Resp: 921320
Ion Ratio Lower Upper
117 100
82 52.3 42.9 64.3
119 31.5 26.0 39.0

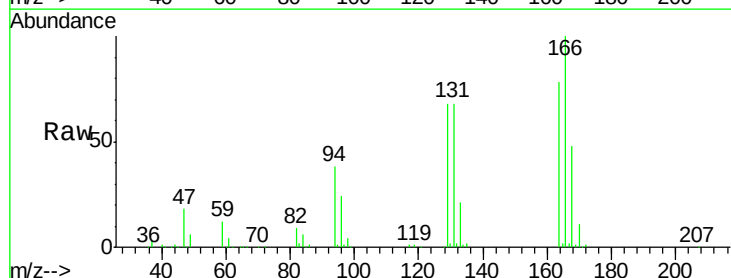


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

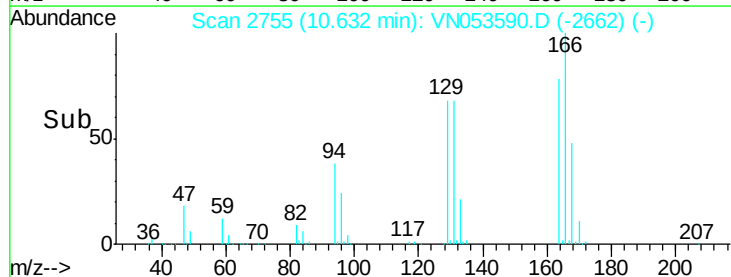
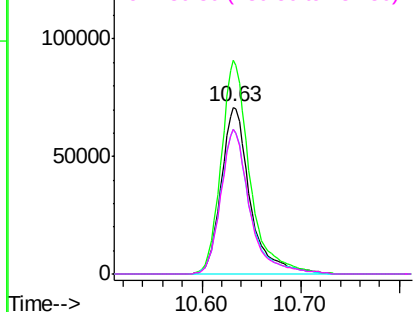


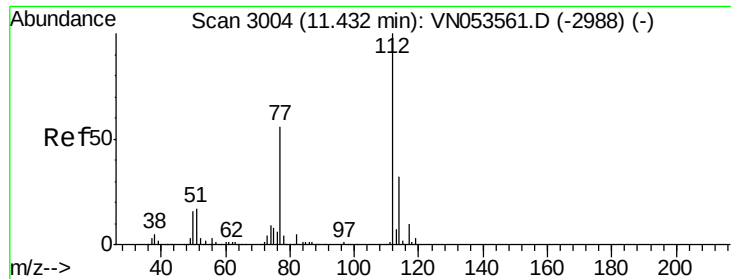
#64
Tetrachloroethene
Concen: 18.428 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion:164 Resp: 145543
Ion Ratio Lower Upper
164 100
166 128.0 102.2 153.4
129 86.9 72.6 109.0
131 86.7 69.5 104.3



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: 18.546 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

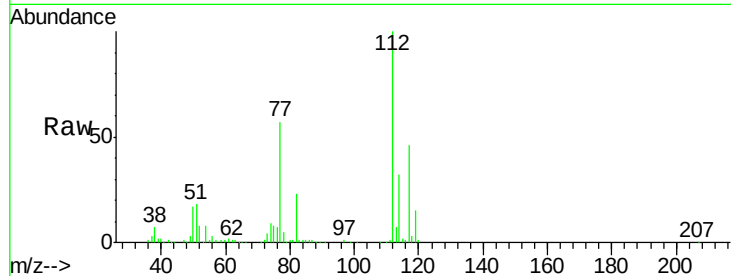
VN0204MBS01

Tot Ion:112 Resp: 362939

Ion Ratio Lower Upper

112 100

114 32.3 25.3 37.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

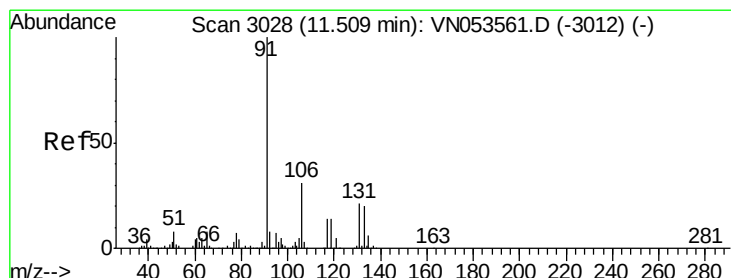
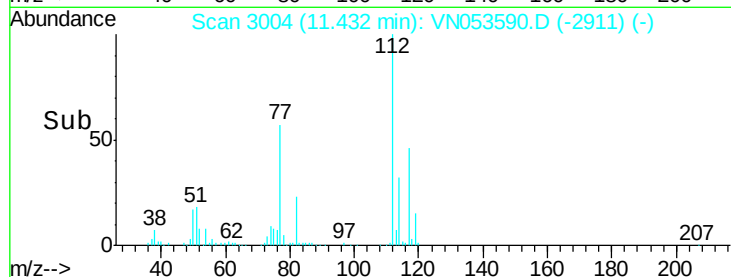
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.166 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

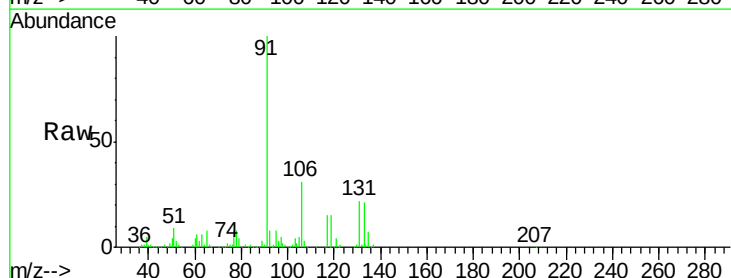
Tgt Ion:131 Resp: 130993

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.0

119 65.7 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

200000

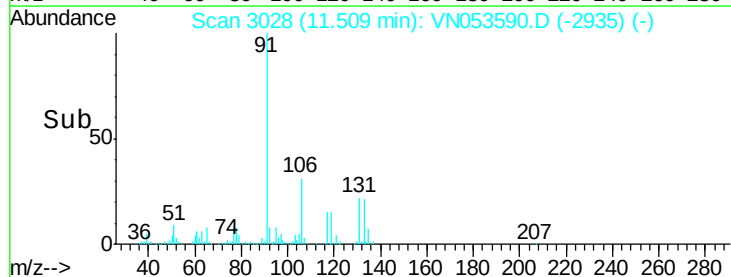
150000

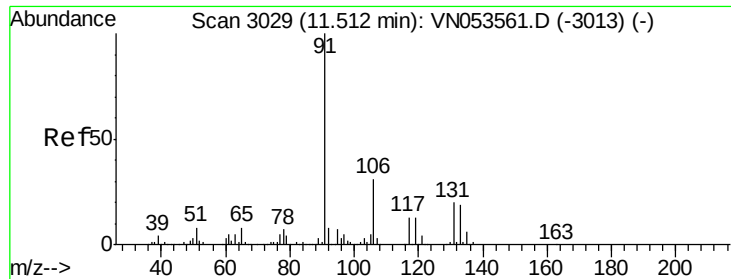
100000

50000

0

Time-->

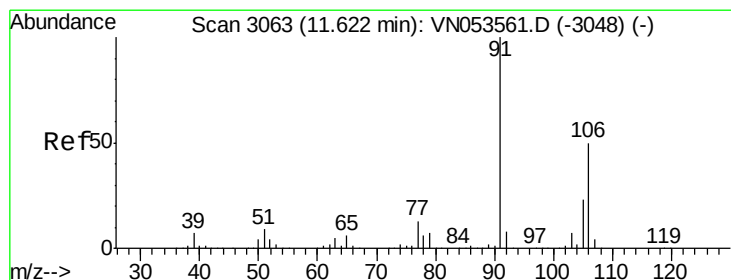
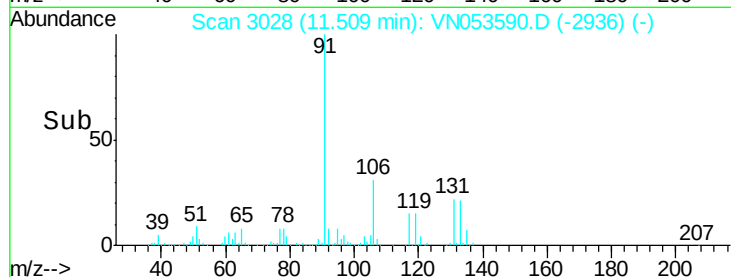
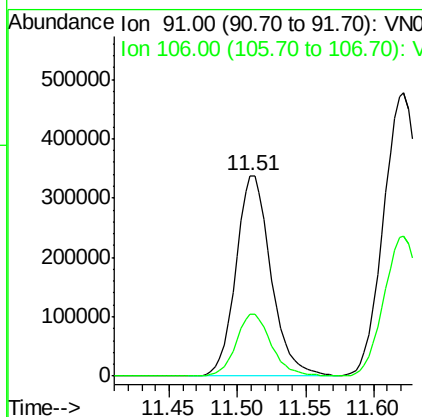
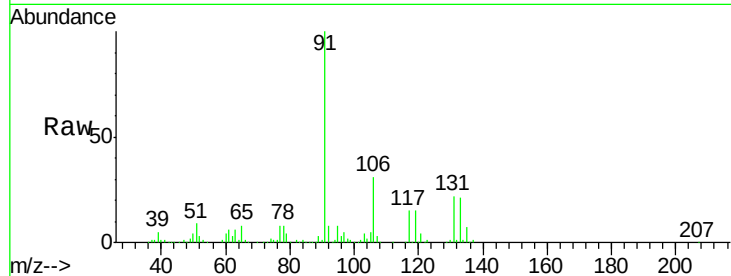




#67
Ethyl Benzene
Concen: 18.787 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

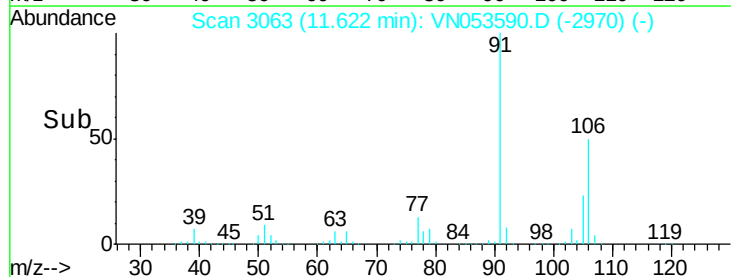
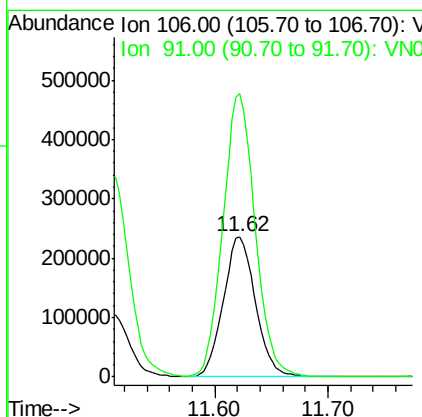
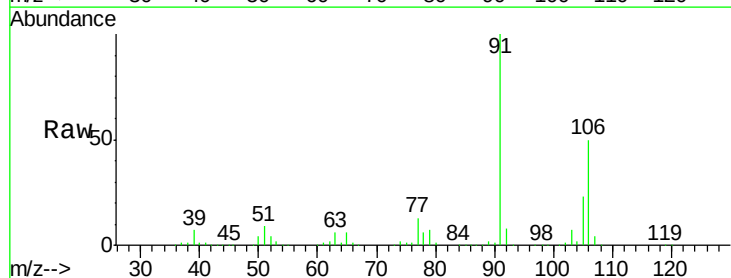
Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

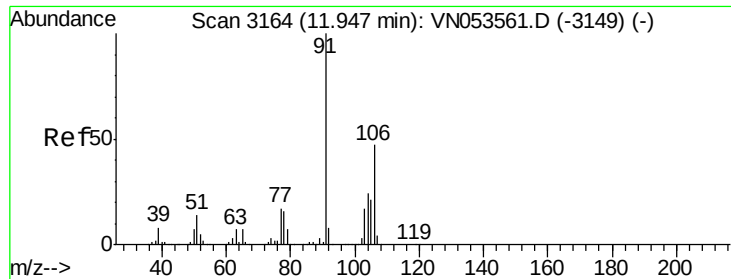
Tot Ion: 91 Resp: 603963
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6



#68
m/p-Xylenes
Concen: 38.104 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 106 Resp: 467514
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2

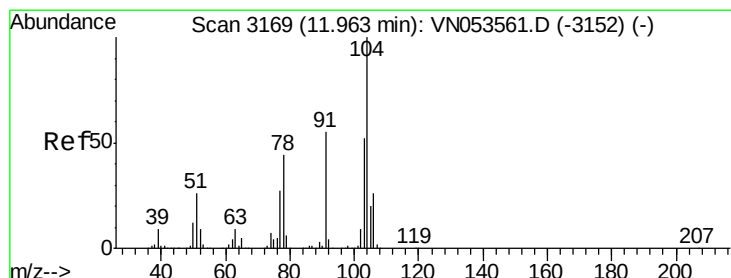
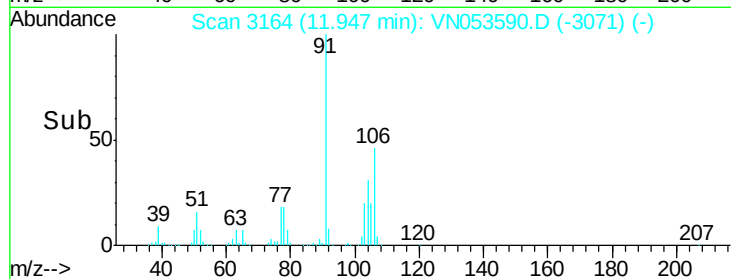
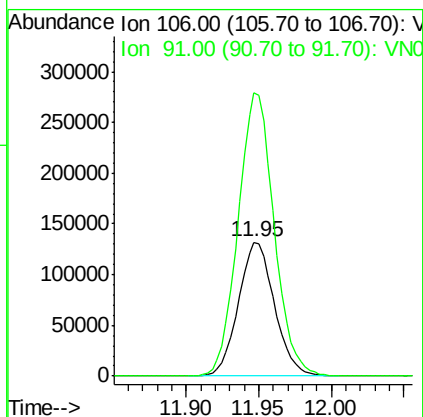
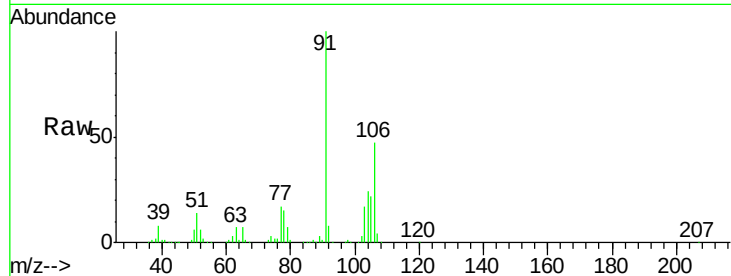




#69
o-Xylene
Concen: 19.196 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

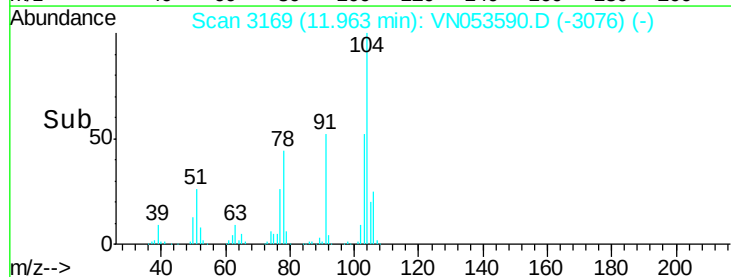
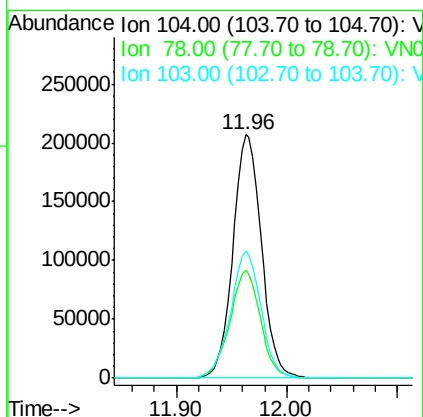
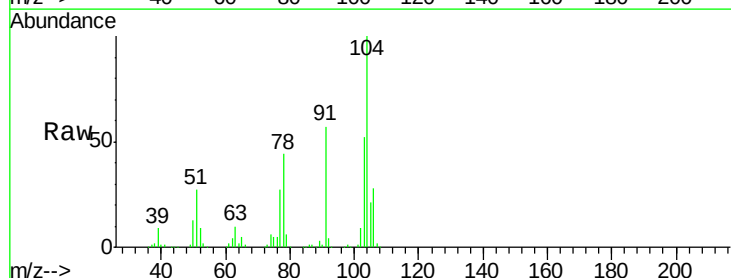
Instrument :
MSVOA_N
ClientSampled :
VN0204MBS01

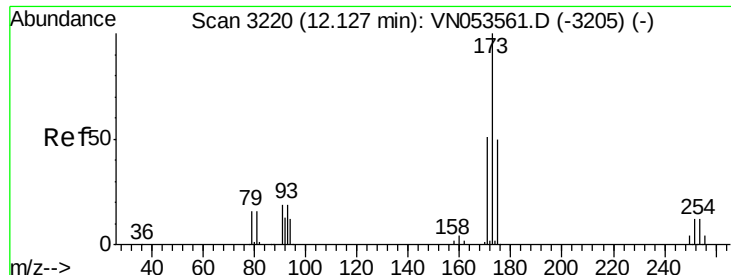
Tot Ion:106 Resp: 227534
Ion Ratio Lower Upper
106 100
91 212.0 106.9 320.8



#70
Styrene
Concen: 19.260 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion:104 Resp: 370035
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.2
103 55.8 44.4 66.6

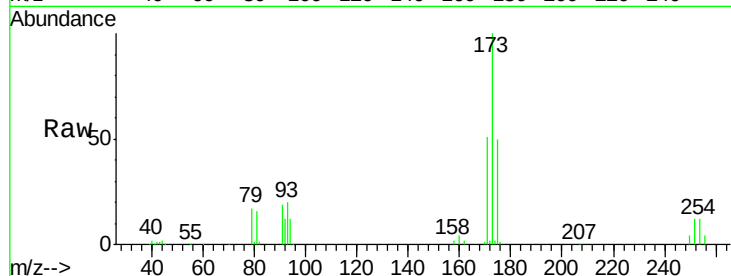




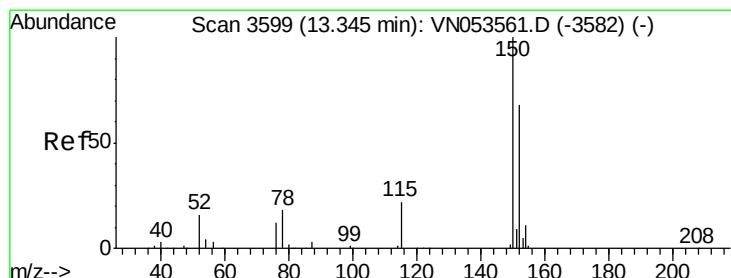
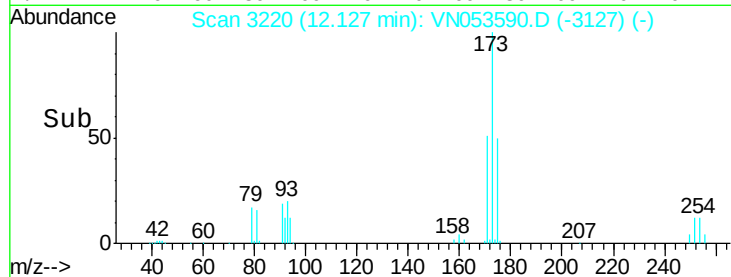
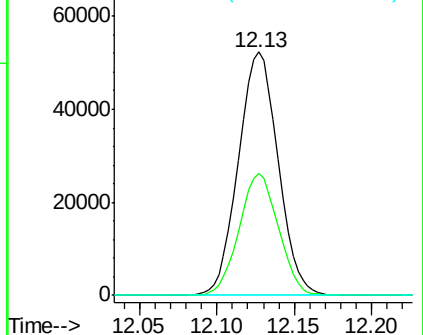
#71
Bromoform
Concen: 19.939 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

Tot Ion:173 Resp: 93427
Ion Ratio Lower Upper
173 100
175 49.6 24.6 74.0
254 0.0 0.2 0.2#

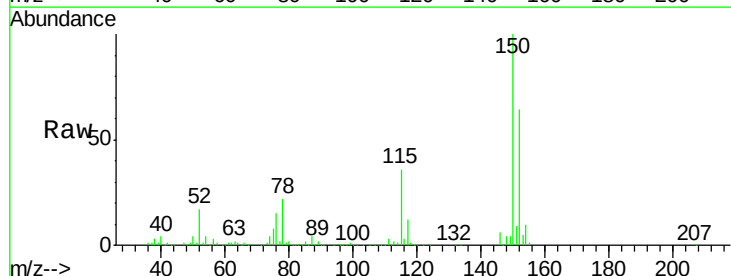


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

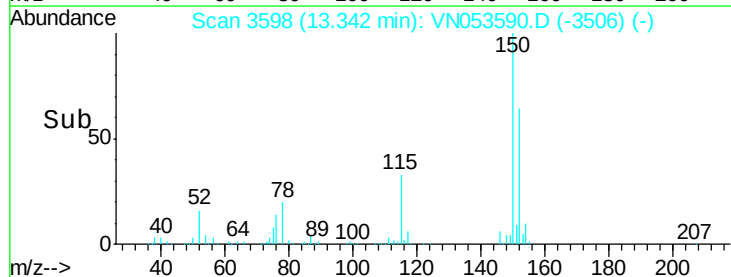
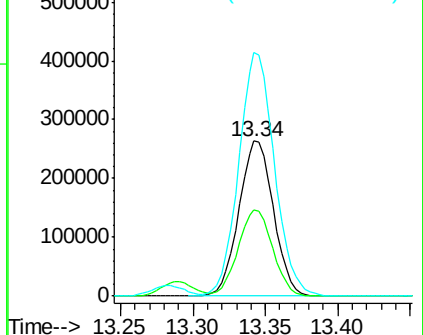


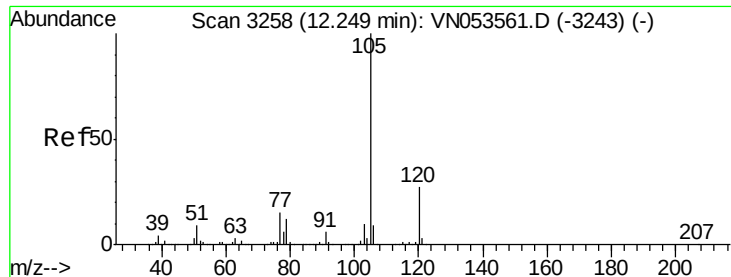
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion:152 Resp: 436769
Ion Ratio Lower Upper
152 100
115 55.5 27.8 83.4
150 161.6 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: 19.304 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

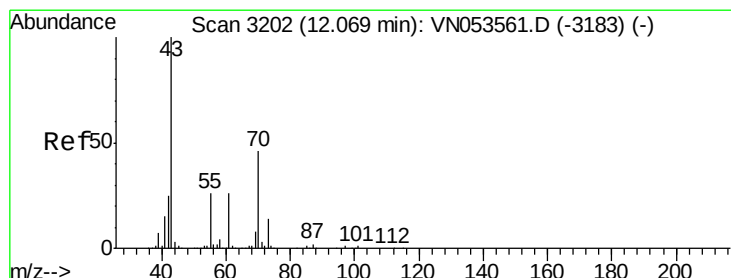
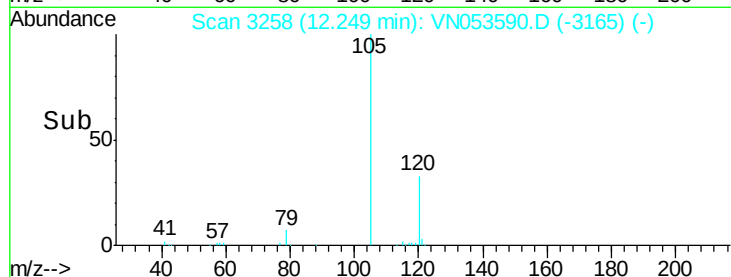
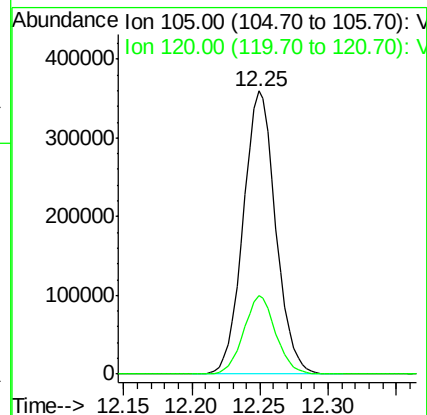
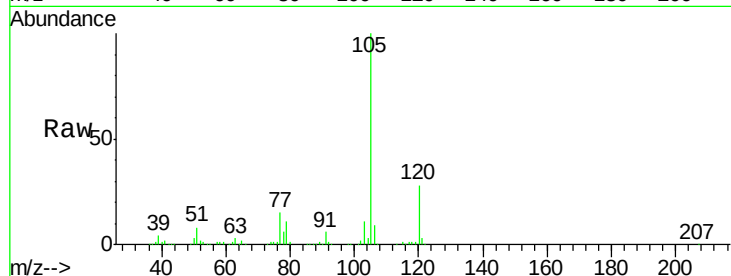
VN0204MBS01

Tot Ion:105 Resp: 592715

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 19.235 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Tgt Ion: 43 Resp: 142020

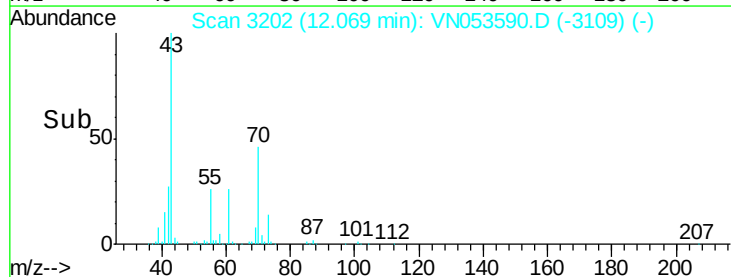
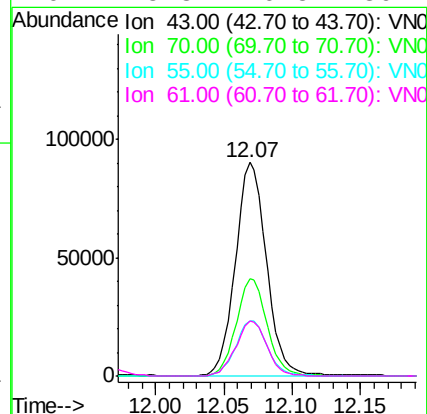
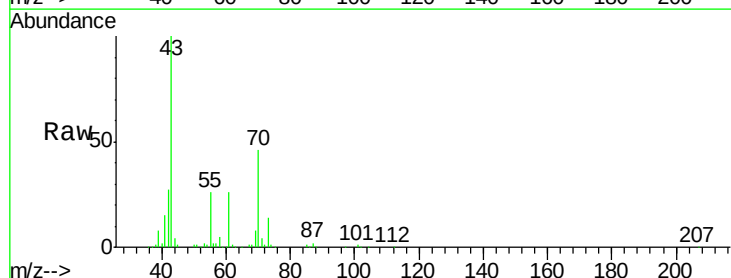
Ion Ratio Lower Upper

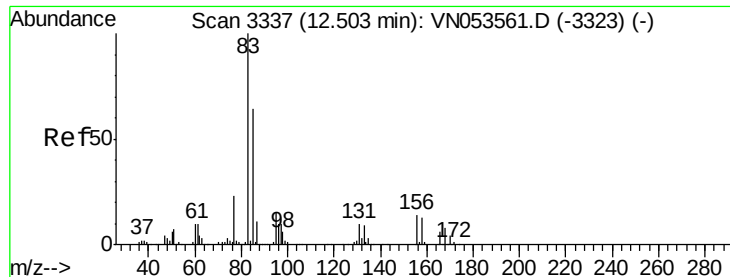
43 100

70 45.5 35.4 53.2

55 26.5 20.9 31.3

61 25.8 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.583 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

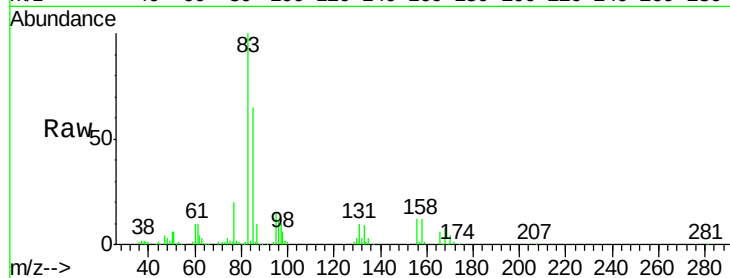
Tot Ion: 83 Resp: 143903

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

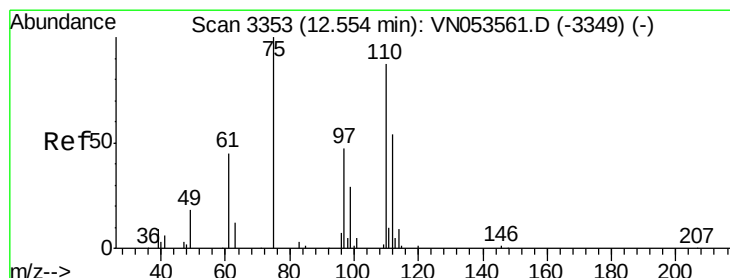
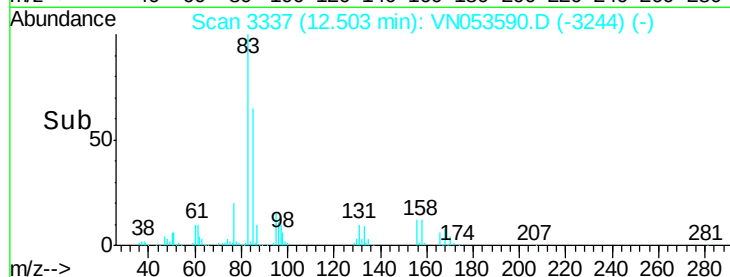
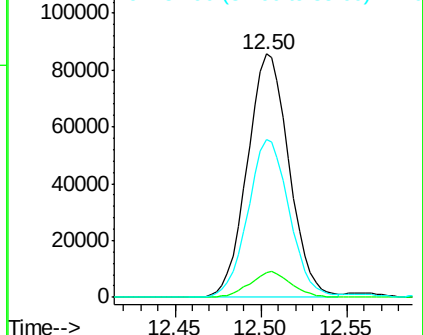
85 64.4 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053590.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053590.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053590.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 31.156 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053590.D

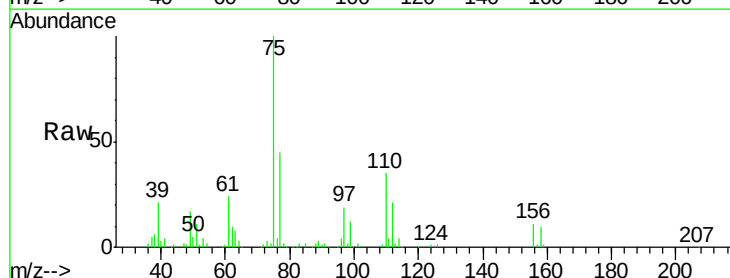
Acq: 4 Feb 2019 12:23

Tgt Ion: 75 Resp: 174785

Ion Ratio Lower Upper

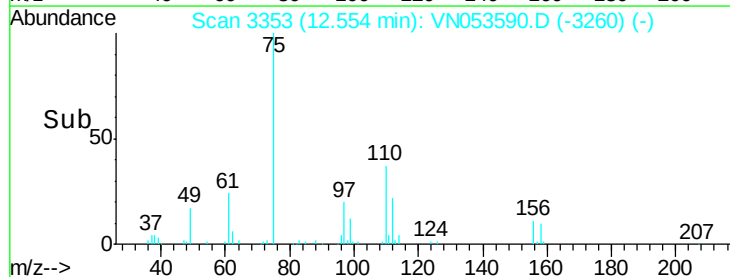
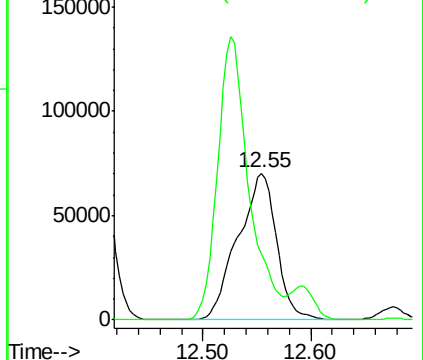
75 100

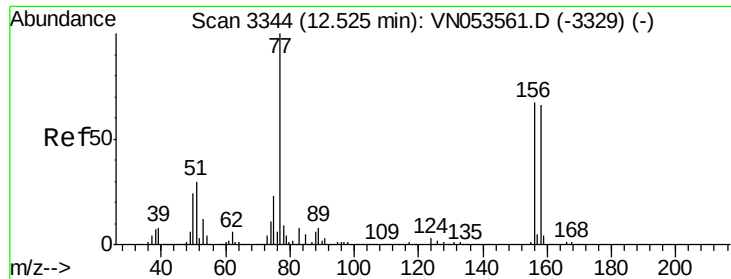
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053590.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053590.D (-3260) (-)





#77

Bromobenzene

Concen: 18.991 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

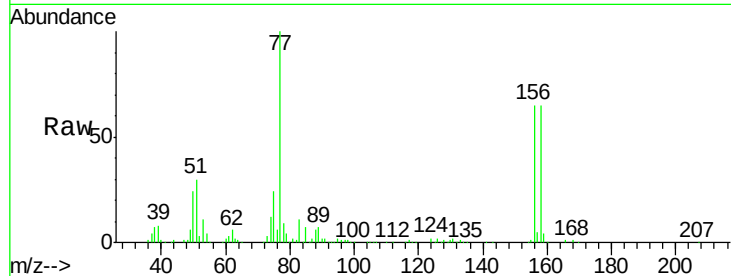
Tot Ion:156 Resp: 157148

Ion Ratio Lower Upper

156 100

77 174.5 87.9 263.8

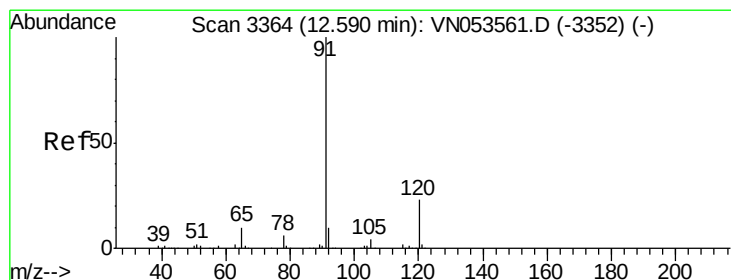
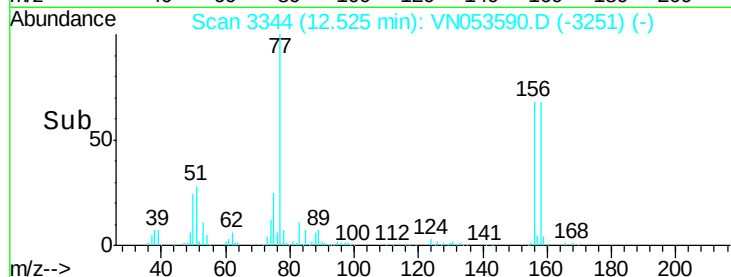
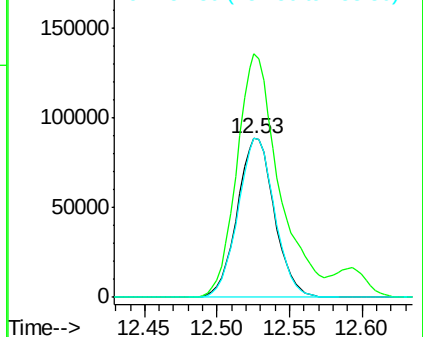
158 98.7 48.8 146.4



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: 19.258 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053590.D

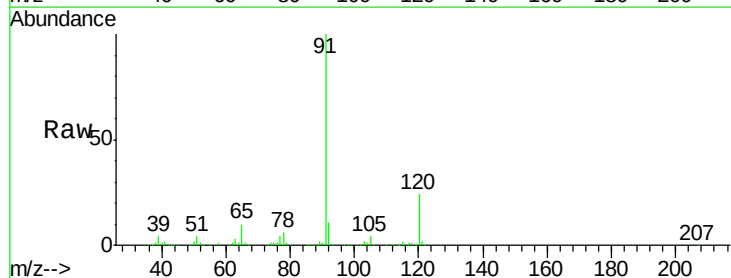
Acq: 4 Feb 2019 12:23

Tgt Ion: 91 Resp: 683567

Ion Ratio Lower Upper

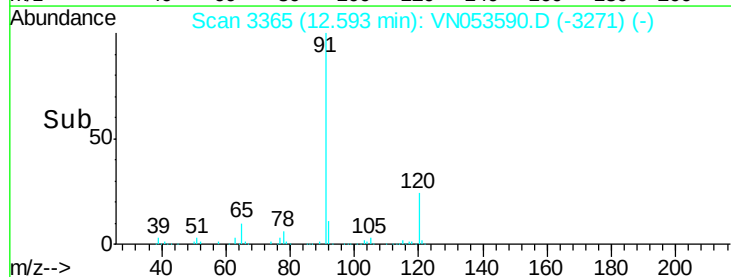
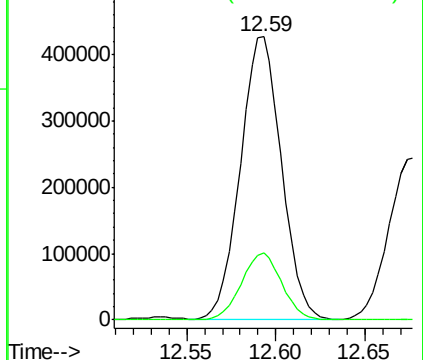
91 100

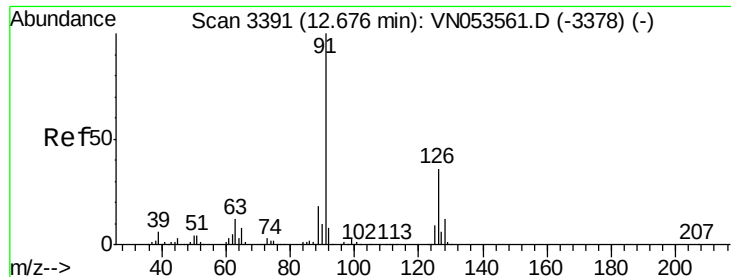
120 23.4 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.440 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

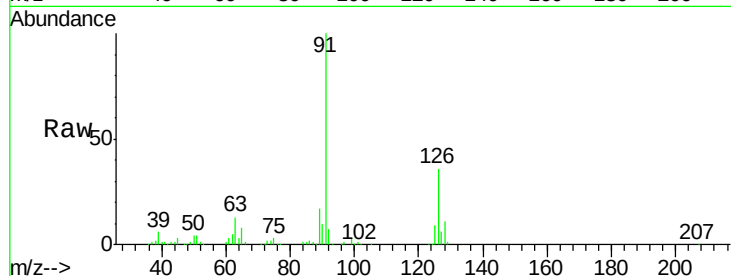
VN0204MBS01

Tot Ion: 91 Resp: 409381

Ion Ratio Lower Upper

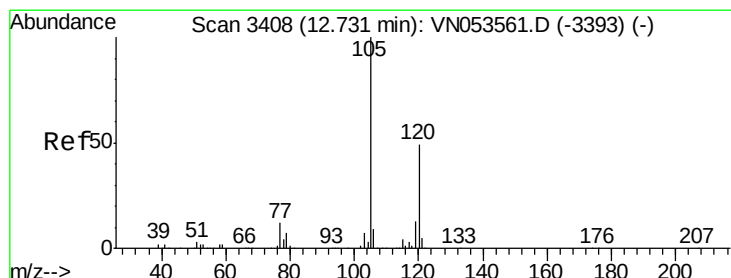
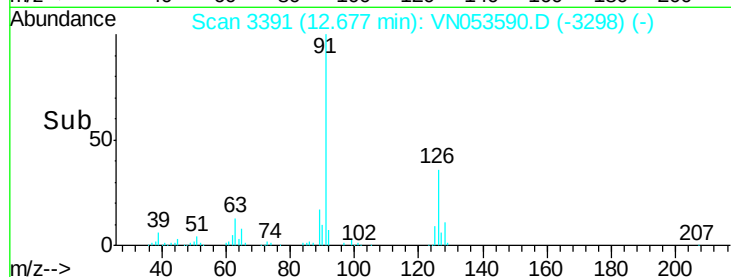
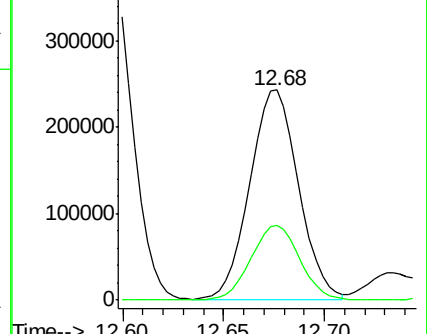
91 100

126 35.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.954 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053590.D

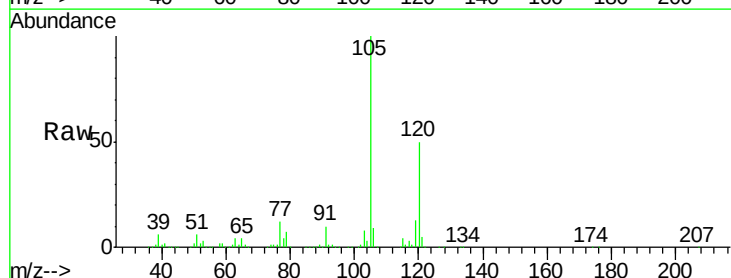
Acq: 4 Feb 2019 12:23

Tgt Ion: 105 Resp: 508052

Ion Ratio Lower Upper

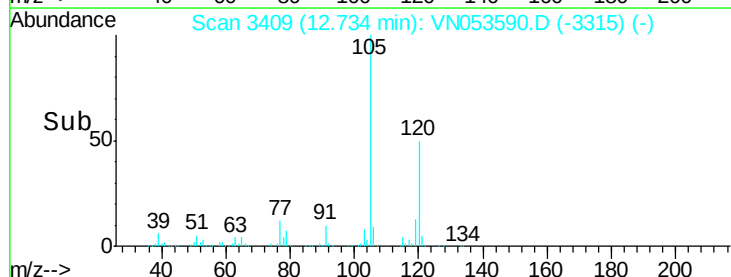
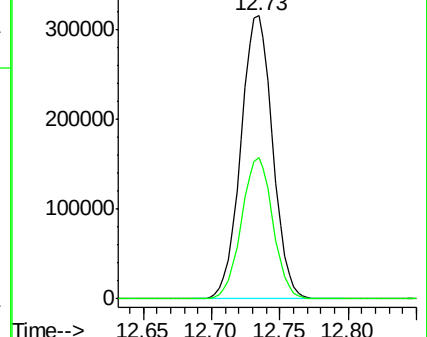
105 100

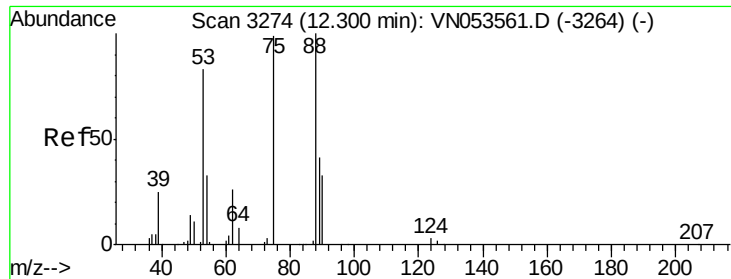
120 49.4 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

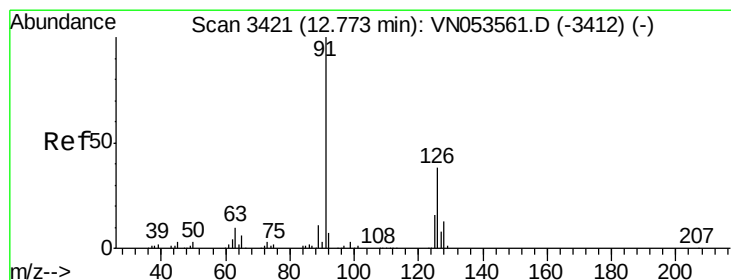
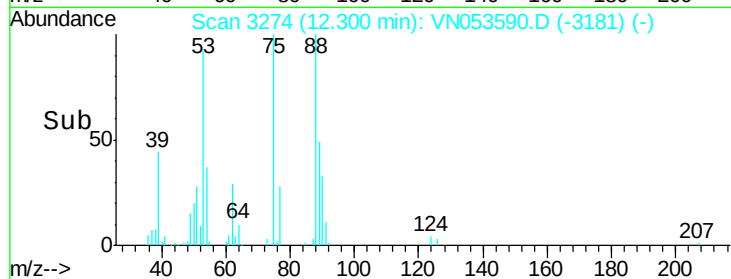
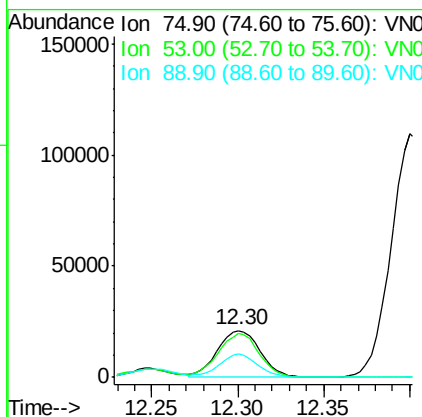
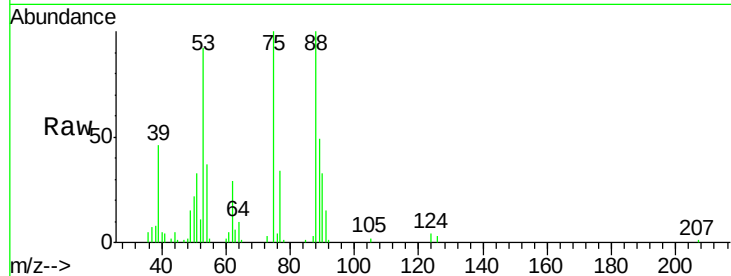




#81
trans-1,4-Dichloro-2-butene
Concen: 18.491 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

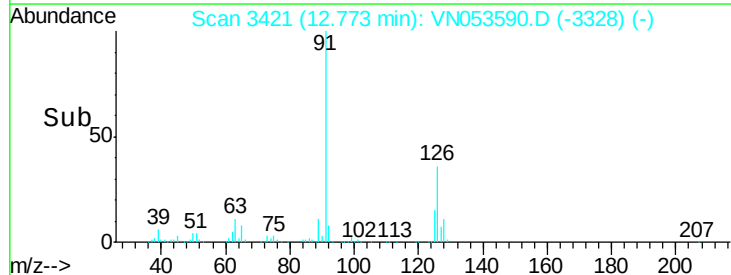
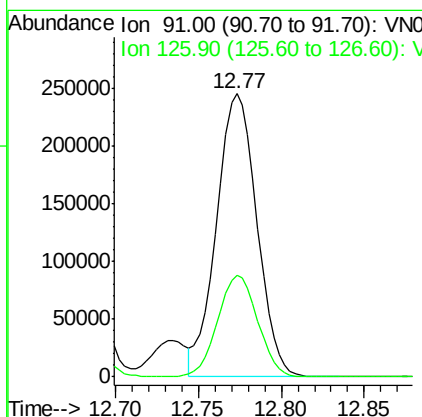
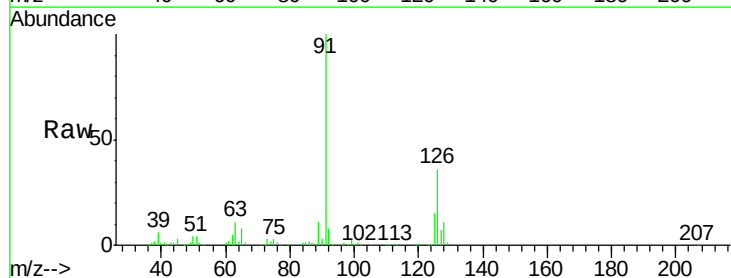
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

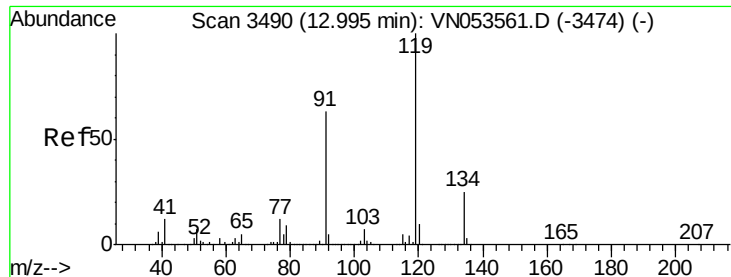
Tot Ion: 75 Resp: 36891
Ion Ratio Lower Upper
75 100
53 90.6 69.8 104.6
89 44.4 35.6 53.4



#82
4-Chlorotoluene
Concen: 19.140 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 91 Resp: 413593
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.9

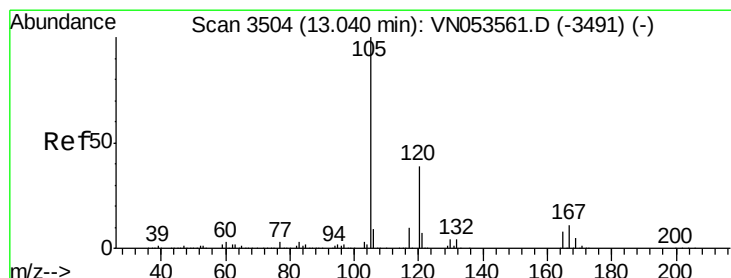
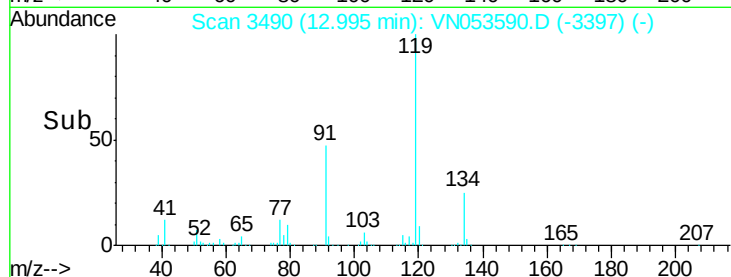
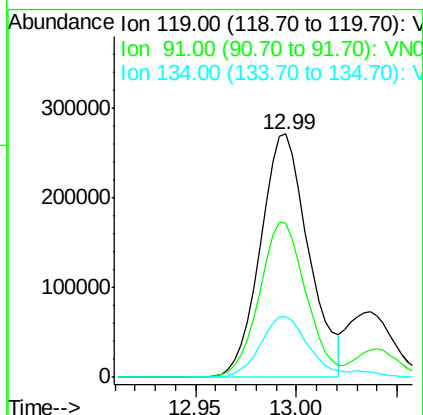
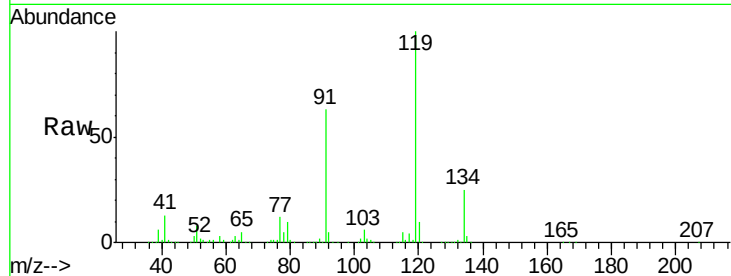




#83
 tert-Butylbenzene
 Concen: 20.023 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

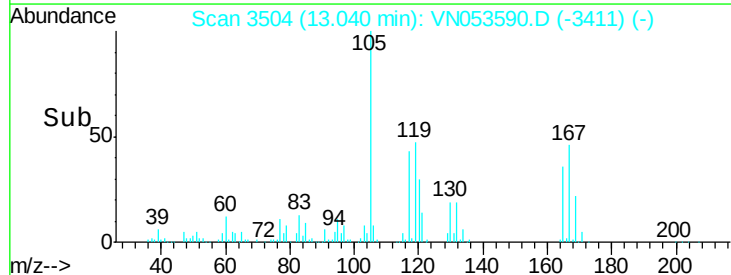
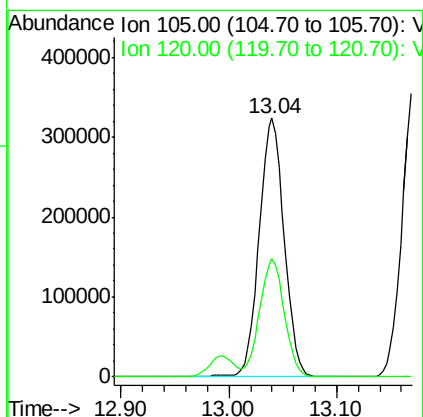
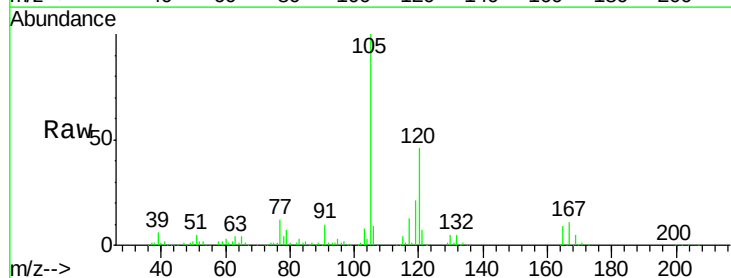
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

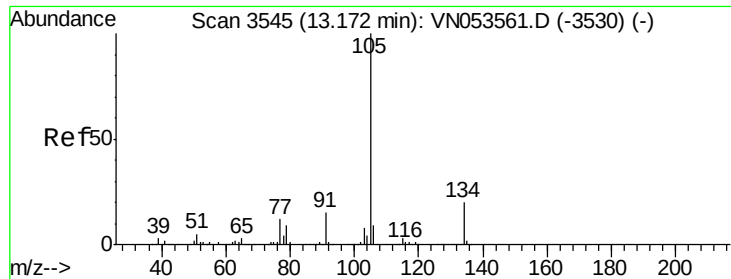
Tot Ion:119 Resp: 450584
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.3 93.8
 134 24.7 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 19.978 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion:105 Resp: 518232
 Ion Ratio Lower Upper
 105 100
 120 45.4 23.0 69.0





#85

sec-Butylbenzene

Concen: 19.811 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

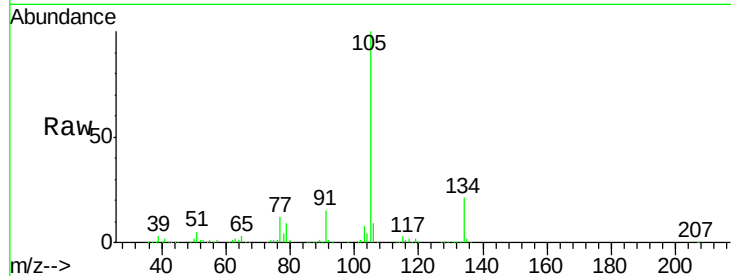
VN0204MBS01

Tot Ion:105 Resp: 606672

Ion Ratio Lower Upper

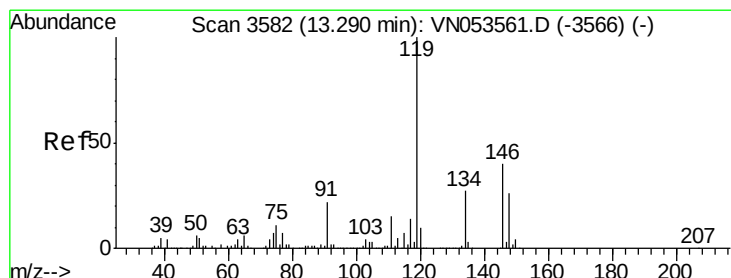
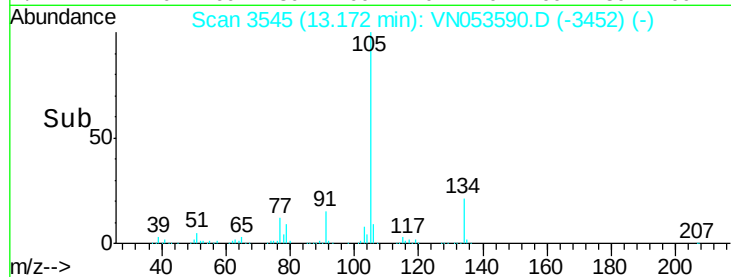
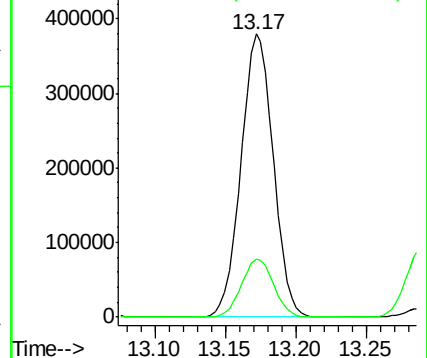
105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.767 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

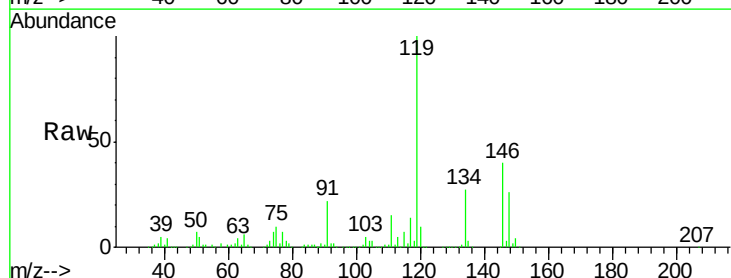
Tgt Ion:119 Resp: 529399

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

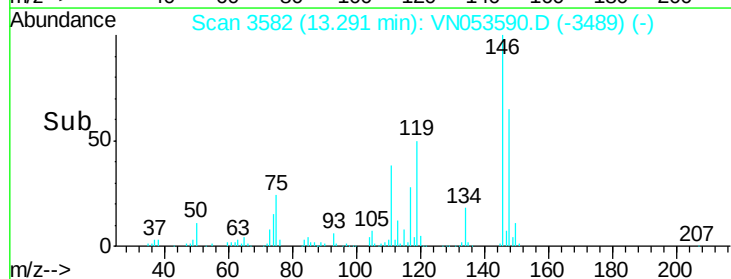
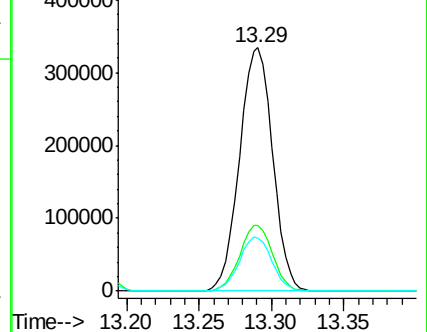
91 21.9 11.0 33.0

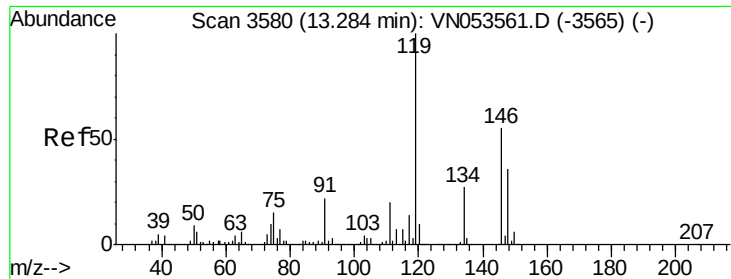


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

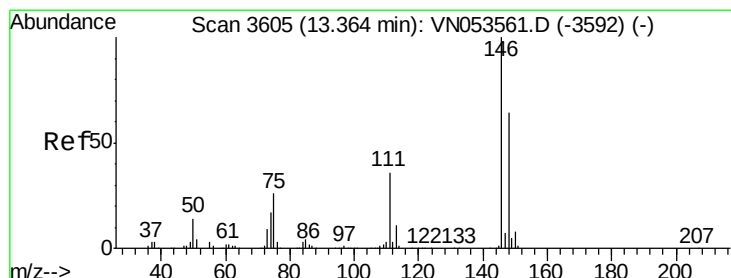
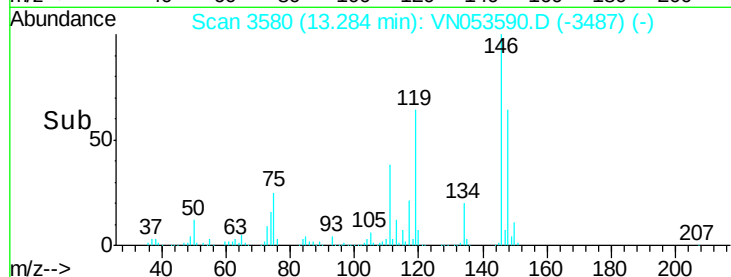
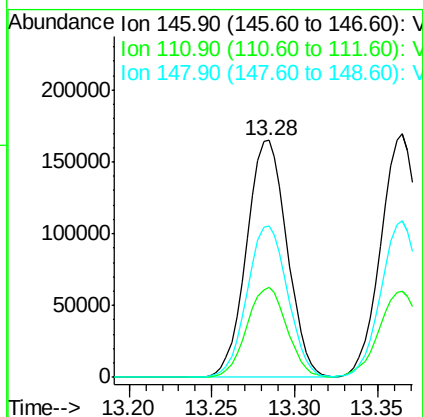
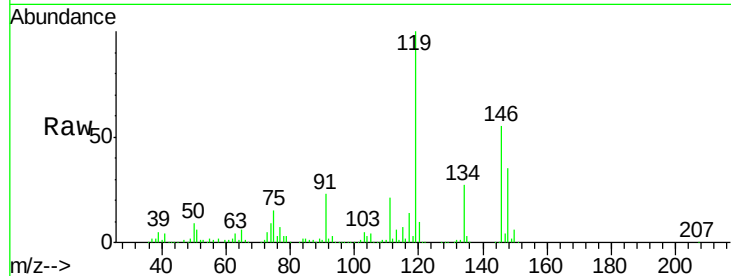




#87
 1,3-Dichlorobenzene
 Concen: 18.803 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

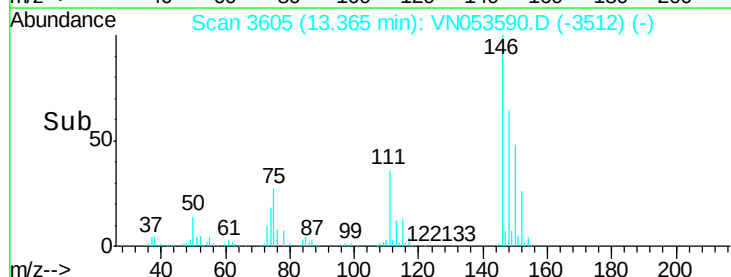
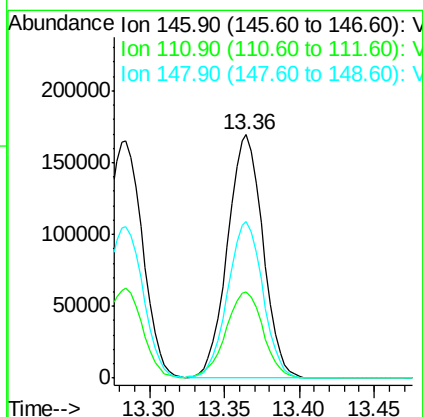
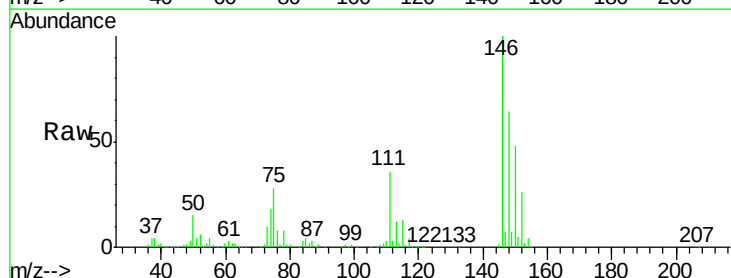
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

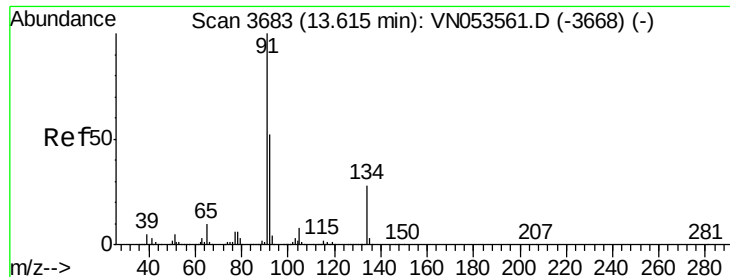
Tot Ion:146 Resp: 279706
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.8 56.3
 148 64.1 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 18.986 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion:146 Resp: 279368
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.8
 148 64.0 32.4 97.0

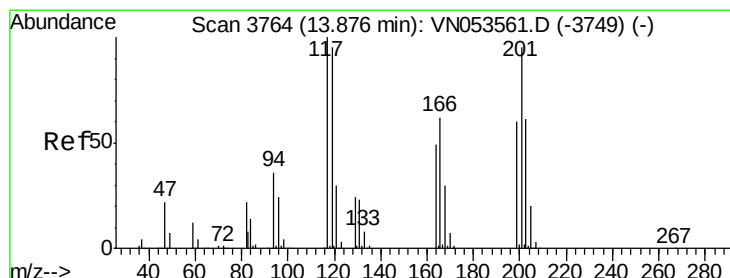
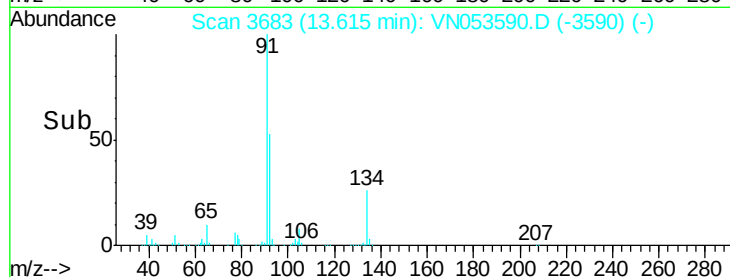
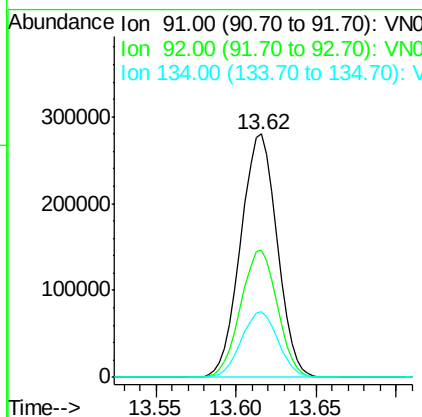
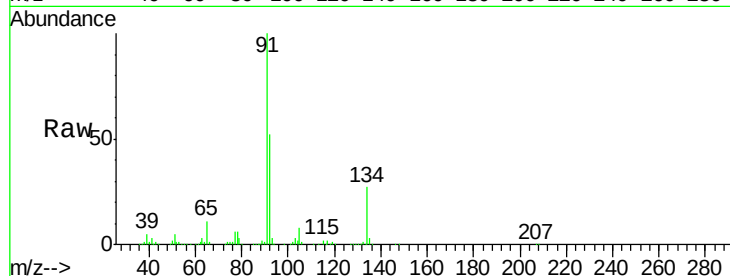




#89
n-Butylbenzene
Concen: 18.808 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

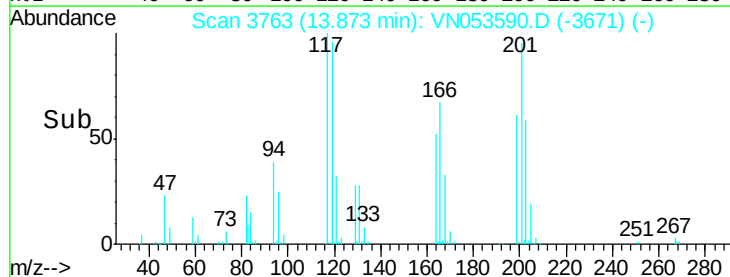
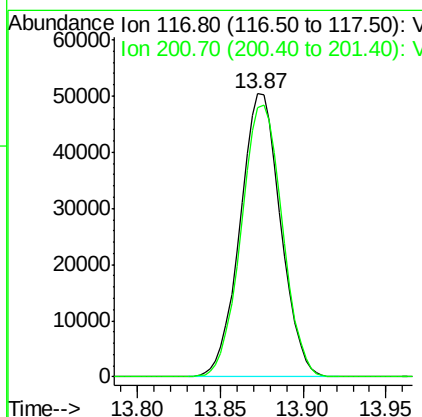
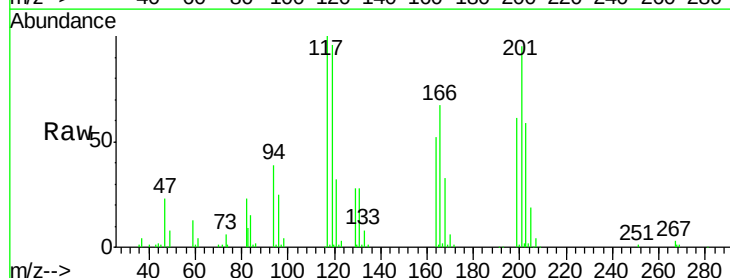
Instrument :
MSVOA_N
ClientSampleId :
VN0204MBS01

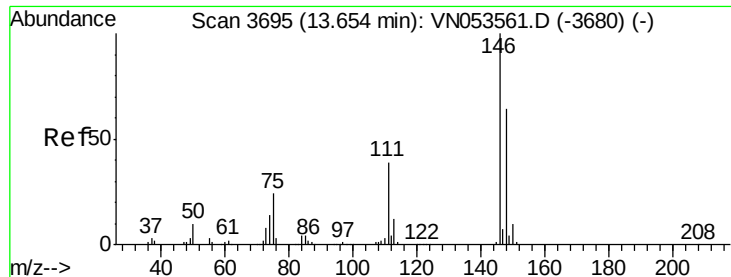
Tot Ion: 91 Resp: 435993
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.8
134 27.2 13.5 40.5



#90
Hexachloroethane
Concen: 19.477 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053590.D
Acq: 4 Feb 2019 12:23

Tgt Ion: 117 Resp: 86042
Ion Ratio Lower Upper
117 100
201 97.1 46.8 140.4

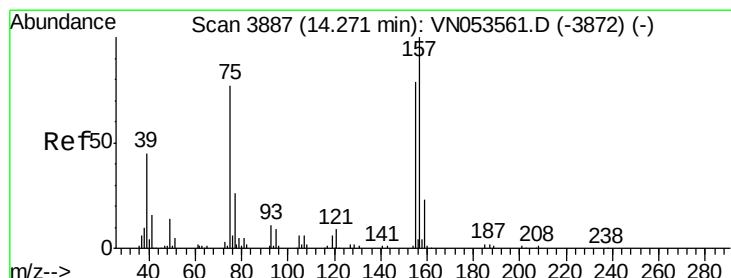
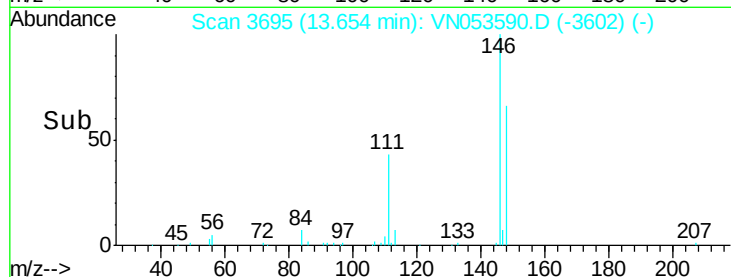
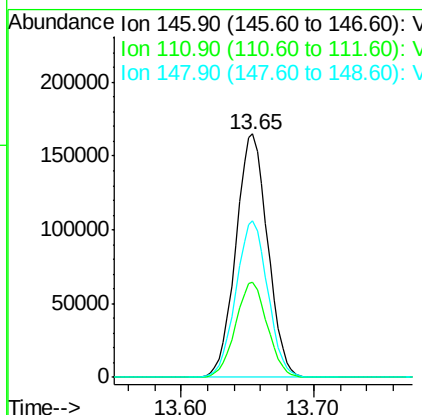
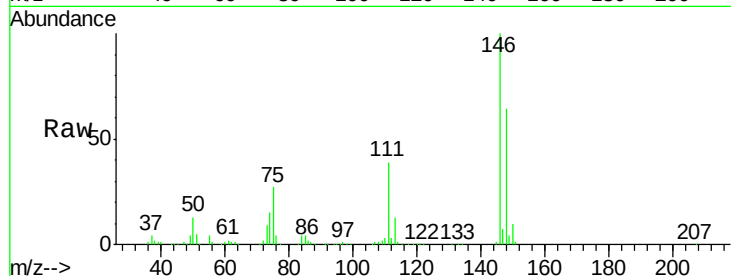




#91
 1,2-Dichlorobenzene
 Concen: 19.291 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

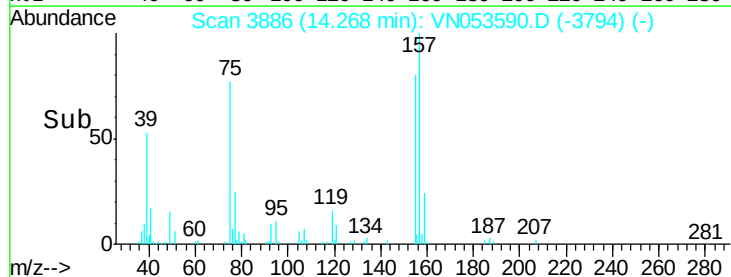
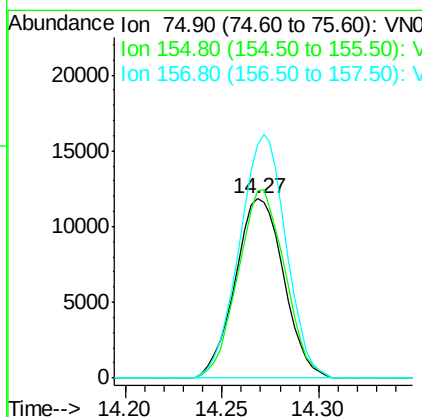
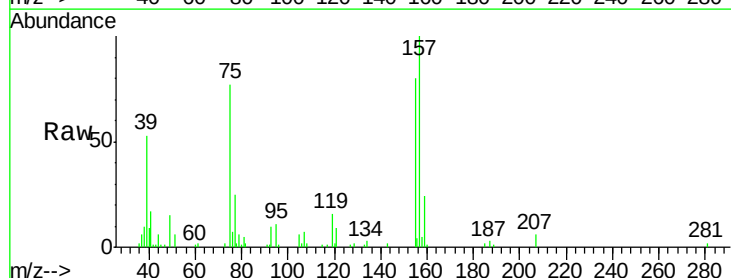
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

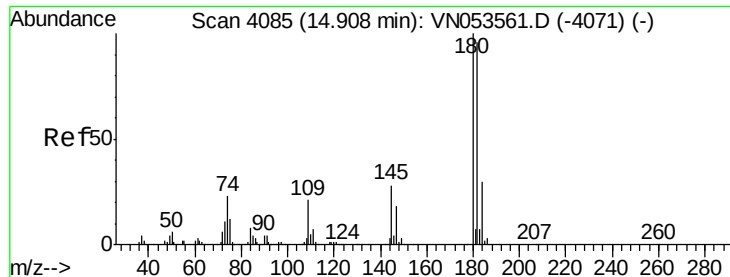
Tot Ion:146 Resp: 274732
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.5 58.5
 148 64.2 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.780 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion: 75 Resp: 20715
 Ion Ratio Lower Upper
 75 100
 155 101.4 48.9 146.7
 157 130.2 63.7 191.3

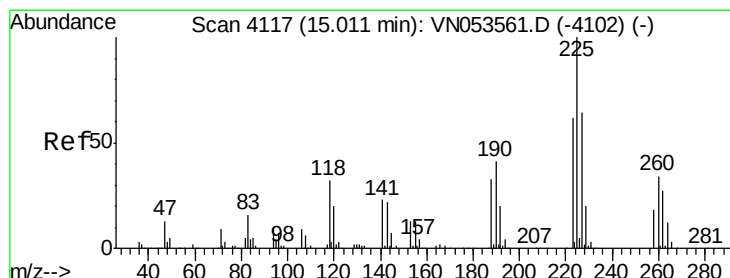
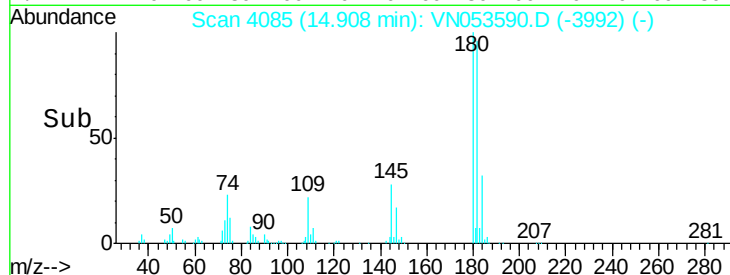
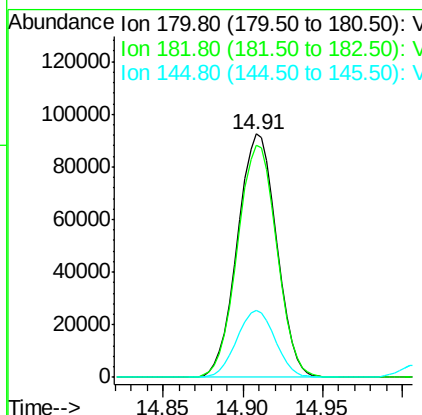
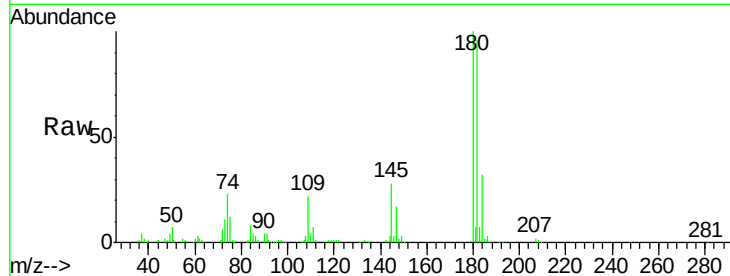




#93
 1,2,4-Trichlorobenzene
 Concen: 18.851 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

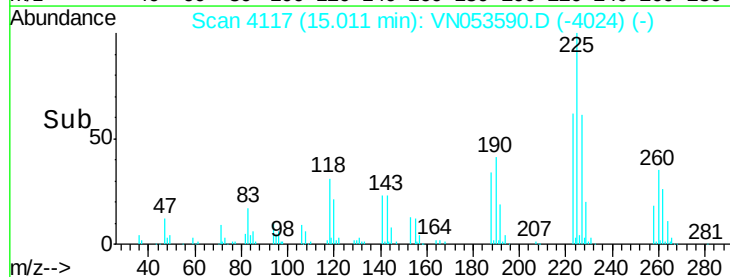
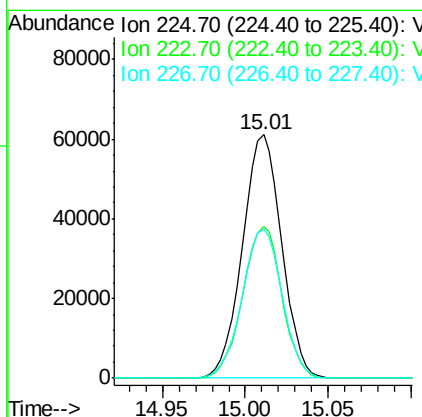
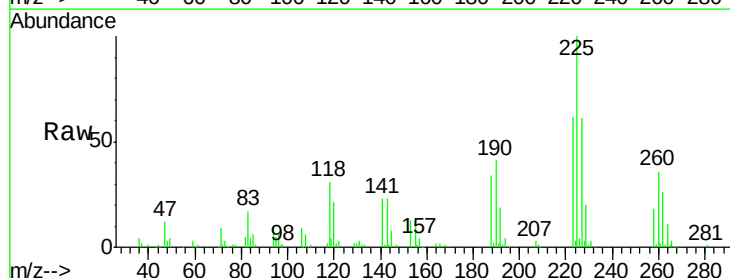
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0204MBS01

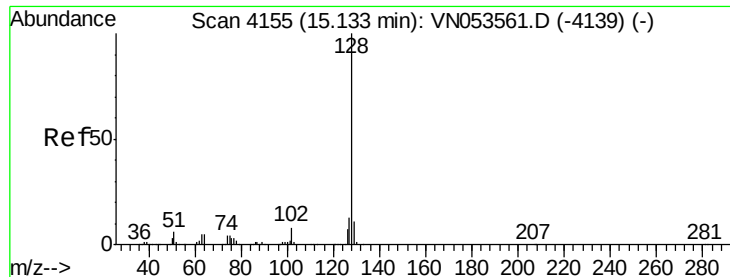
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.3
145	27.2	13.9	41.6



#94
 Hexachlorobutadiene
 Concen: 19.722 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053590.D
 Acq: 4 Feb 2019 12:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	31.1	93.2
227	62.5	32.0	96.2





#95

Naphthalene

Concen: 18.203 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

Instrument :

MSVOA_N

ClientSampleId :

VN0204MBS01

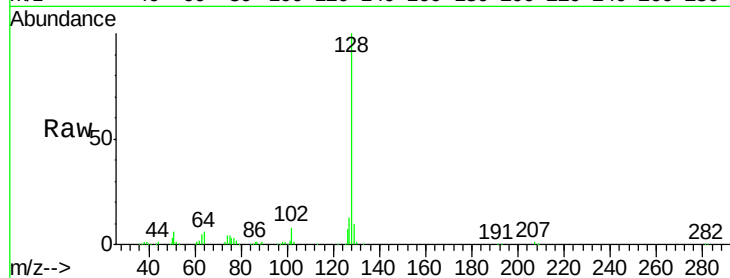
Tot Ion:128 Resp: 327296

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

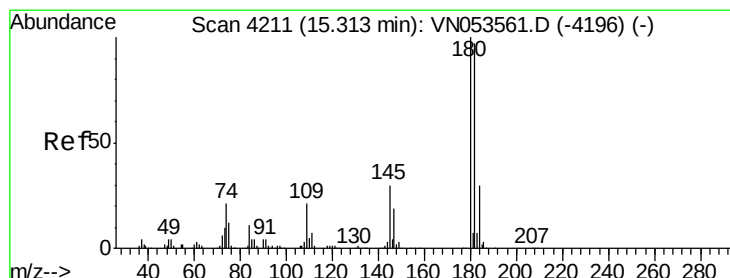
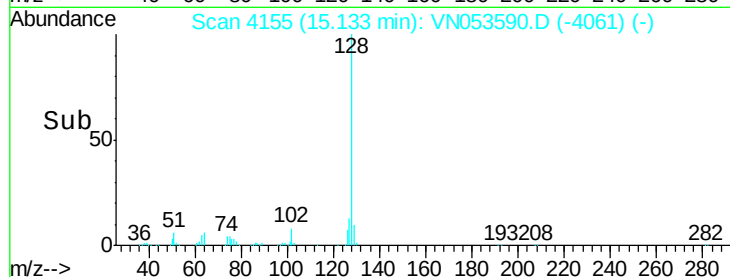
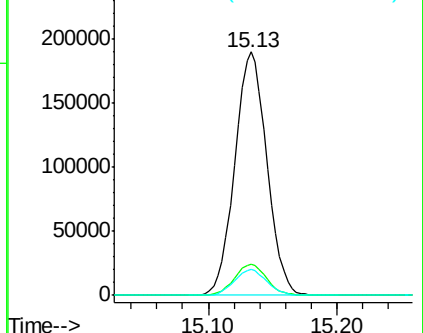
129 10.6 8.6 13.0



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: 19.397 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053590.D

Acq: 4 Feb 2019 12:23

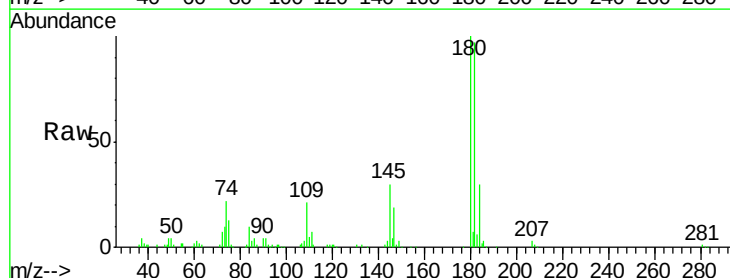
Tgt Ion:180 Resp: 147000

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.8

145 29.3 14.7 44.1



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

