

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
 Data File : VN053759.D
 Acq On : 13 Feb 2019 17:02
 Operator : JC/SP
 Sample : VN0213WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Quant Time: Feb 14 00:14:29 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	605044	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	945912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	819137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	378375	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	336912	55.51	ug/l	0.00
Spiked Amount			Recovery	=	111.02%	
35) Dibromofluoromethane	7.59	113	319729	53.49	ug/l	0.00
Spiked Amount			Recovery	=	106.98%	
50) Toluene-d8	10.09	98	1147964	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.40	95	377934	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117661	17.471	ug/l	100
3) Chloromethane	2.06	50	135591	18.876	ug/l	99
4) Vinyl Chloride	2.19	62	145265	20.833	ug/l	100
5) Bromomethane	2.57	94	102691	22.524	ug/l	97
6) Chloroethane	2.71	64	93770	23.533	ug/l	100
7) Trichlorofluoromethane	3.02	101	202455	21.411	ug/l	98
8) Diethyl Ether	3.41	74	76933	22.278	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	117672	20.122	ug/l	96
10) Methyl Iodide	3.96	142	174916	19.057	ug/l	100
11) Tert butyl alcohol	4.78	59	40541	112.857	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	116308	20.759	ug/l	98
13) Acrolein	3.61	56	18572	94.958	ug/l	95
14) Allyl chloride	4.33	41	170915	19.159	ug/l	99
15) Acrylonitrile	4.99	53	220304	113.602	ug/l	99
16) Acetone	3.82	43	157087	100.897	ug/l	98
17) Carbon Disulfide	4.06	76	299925	17.192	ug/l	98
18) Methyl Acetate	4.32	43	116683	25.306	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	306280	21.564	ug/l	99
20) Methylene Chloride	4.55	84	129054	19.758	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	114638	18.965	ug/l	96
22) Diisopropyl ether	5.95	45	340778	20.616	ug/l	95
23) Vinyl Acetate	5.90	43	1180761	103.258	ug/l	99
24) 1,1-Dichloroethane	5.85	63	220090	19.962	ug/l	99
25) 2-Butanone	6.83	43	232222	104.581	ug/l	99
26) 2,2-Dichloropropane	6.82	77	146708	17.432	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	136618	20.326	ug/l	97
28) Bromochloromethane	7.20	49	102032	21.326	ug/l	95
29) Tetrahydrofuran	7.21	42	159448	111.827	ug/l	96
30) Chloroform	7.37	83	223589	20.458	ug/l	97
31) Cyclohexane	7.65	56	183864	17.803	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	185225	20.365	ug/l	98
36) 1,1-Dichloropropene	7.80	75	157478	18.469	ug/l	98
37) Ethyl Acetate	6.93	43	108941	22.876	ug/l	99
38) Carbon Tetrachloride	7.78	117	160642	18.701	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	167462	16.554	ug/l	100
40) Benzene	8.04	78	503304	19.141	ug/l	99
41) Methacrylonitrile	7.21	41	153680	57.739	ug/l #	20
42) 1,2-Dichloroethane	8.12	62	153120	19.612	ug/l	98
43) Isopropyl Acetate	8.17	43	194817	21.183	ug/l	97
44) Trichloroethene	8.84	130	132992	17.766	ug/l	98
45) 1,2-Dichloropropane	9.12	63	132674	19.727	ug/l	97
46) Dibromomethane	9.21	93	80745	19.916	ug/l	97
47) Bromodichloromethane	9.40	83	166363	19.736	ug/l	97
48) Methyl methacrylate	9.20	41	85675	19.516	ug/l	92
49) 1,4-Dioxane	9.20	88	25747	428.022	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	491687	108.795	ug/l	99
52) Toluene	10.16	92	303585	19.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	158853	18.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	188457	18.841	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	118130	21.007	ug/l	99
56) Ethyl methacrylate	10.43	69	135314	20.341	ug/l	99
57) 1,3-Dichloropropane	10.71	76	194034	20.189	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	320554	83.217	ug/l	98
59) 2-Hexanone	10.75	43	308865	100.670	ug/l	99
60) Dibromochloromethane	10.90	129	129313	20.392	ug/l	99
61) 1,2-Dibromoethane	11.01	107	112447	20.203	ug/l	100
64) Tetrachloroethene	10.63	164	134402	19.141	ug/l	98
65) Chlorobenzene	11.44	112	335607	19.288	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	123073	20.254	ug/l	99
67) Ethyl Benzene	11.51	91	543434	19.013	ug/l	99
68) m/p-Xylenes	11.62	106	424704	38.933	ug/l	100
69) o-Xylene	11.95	106	207068	19.648	ug/l	99
70) Styrene	11.96	104	335075	19.616	ug/l	99
71) Bromoform	12.13	173	88494	21.242	ug/l #	100
73) Isopropylbenzene	12.25	105	549710	20.666	ug/l	100
74) N-amyl acetate	12.07	43	137275	21.462	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	138124	21.698	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	164939	33.938	ug/l #	100
77) Bromobenzene	12.53	156	147362	20.556	ug/l	97
78) n-propylbenzene	12.59	91	614634	19.989	ug/l	100
79) 2-Chlorotoluene	12.67	91	371312	20.354	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	460244	20.866	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	34117	19.740	ug/l	98
82) 4-Chlorotoluene	12.77	91	373261	19.940	ug/l	99
83) tert-Butylbenzene	12.99	119	416118	21.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	465297	20.705	ug/l	99
85) sec-Butylbenzene	13.17	105	554951	20.919	ug/l	99
86) p-Isopropyltoluene	13.29	119	472572	20.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	248526	19.285	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	243826	19.127	ug/l	100
89) n-Butylbenzene	13.62	91	375017	18.674	ug/l	99
90) Hexachloroethane	13.87	117	81454	21.284	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	249924	20.258	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20518	22.616	ug/l	99

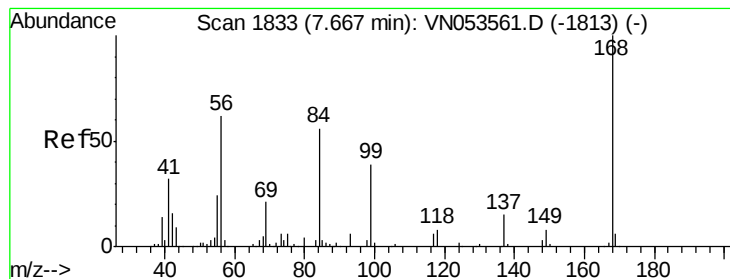
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	120647	17.051	ug/l	99
94) Hexachlorobutadiene	15.01	225	89898	20.401	ug/l	100
95) Naphthalene	15.13	128	256649	16.641	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	124254	18.926	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

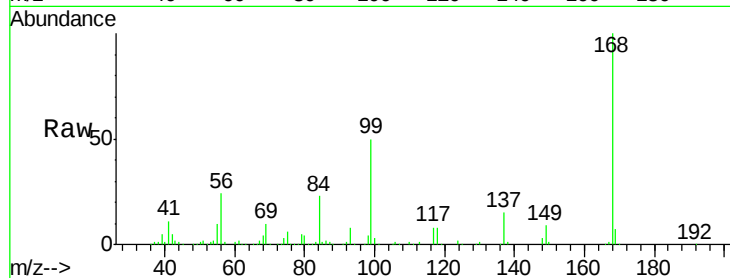
VN0213WBSD01

Tot Ion:168 Resp: 605044

Ion Ratio Lower Upper

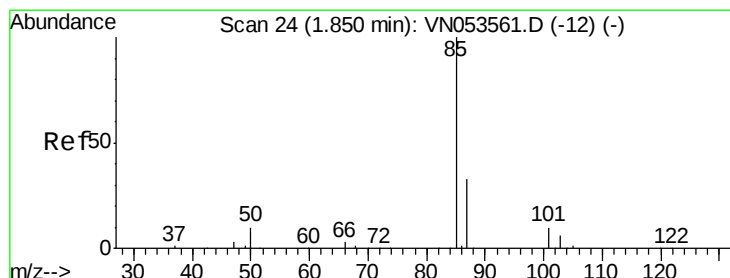
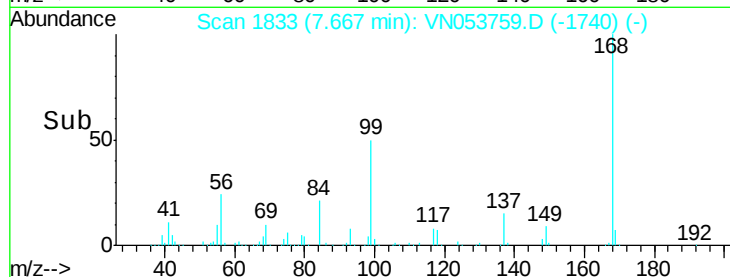
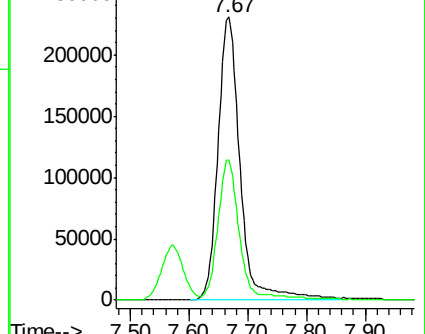
168 100

99 49.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.471 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053759.D

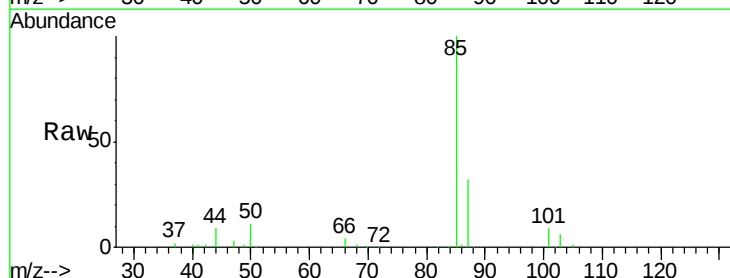
Acq: 13 Feb 2019 17:02

Tgt Ion: 85 Resp: 117661

Ion Ratio Lower Upper

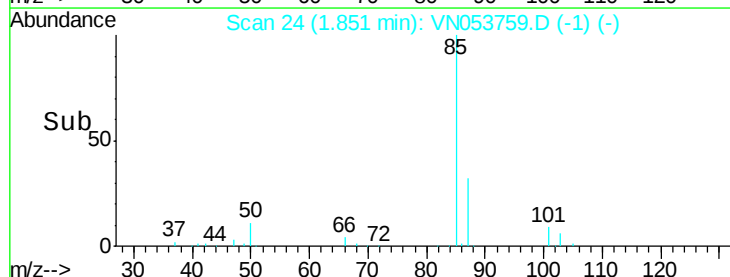
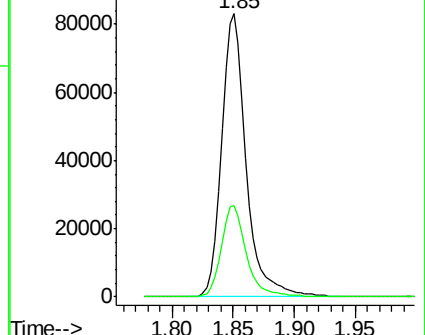
85 100

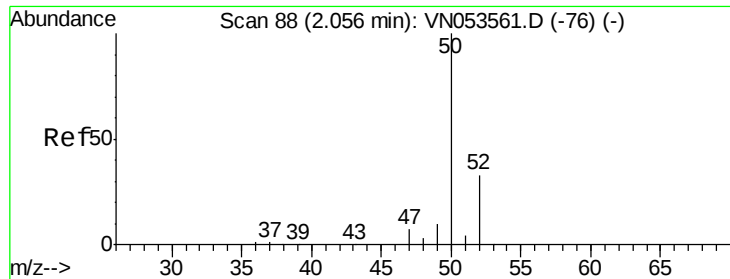
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 18.876 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

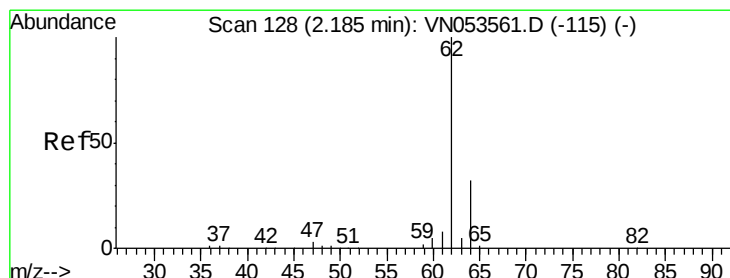
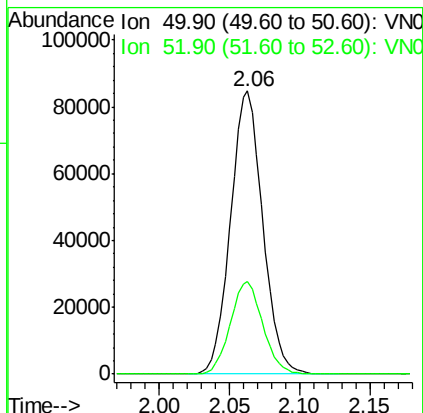
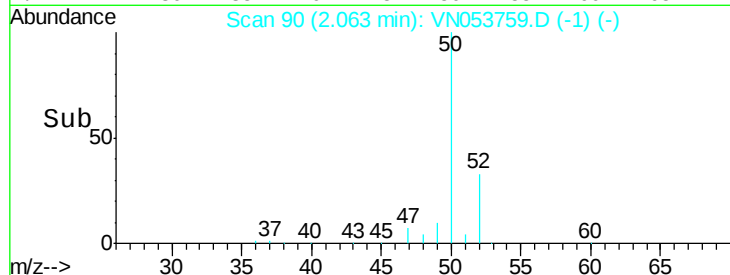
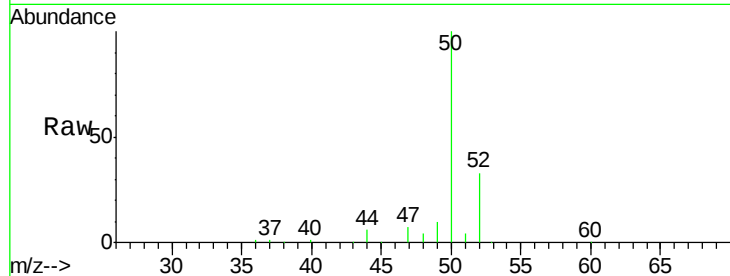
VN0213WBSD01

Tot Ion: 50 Resp: 135591

Ion Ratio Lower Upper

50 100

52 32.6 26.6 40.0



#4

Vinyl Chloride

Concen: 20.833 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053759.D

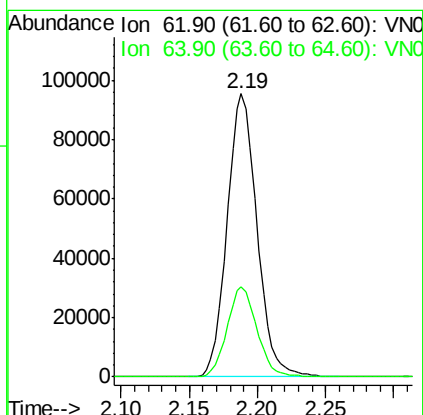
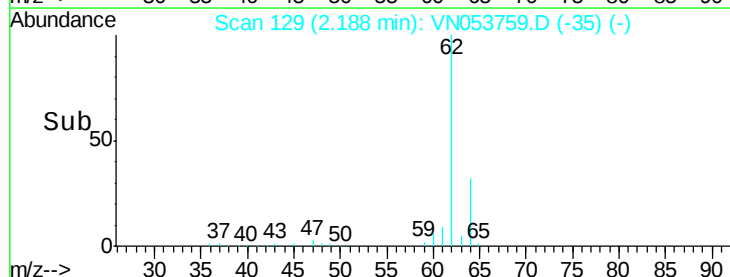
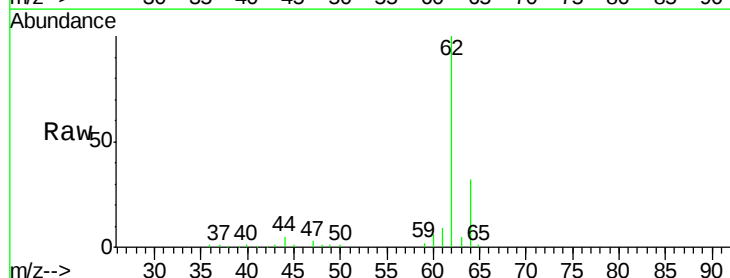
Acq: 13 Feb 2019 17:02

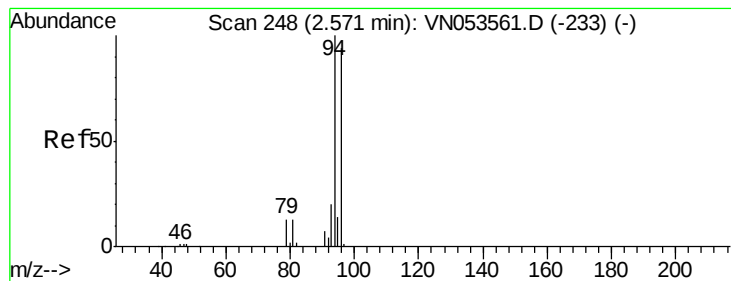
Tgt Ion: 62 Resp: 145265

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 22.524 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

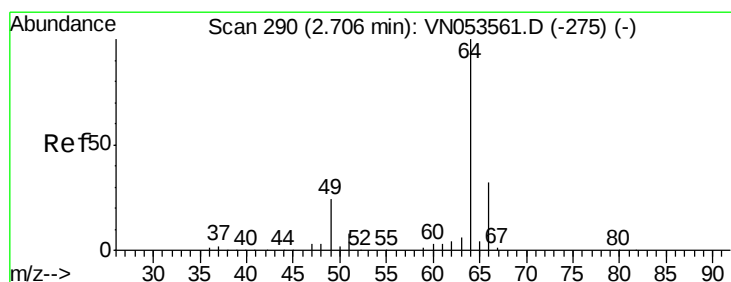
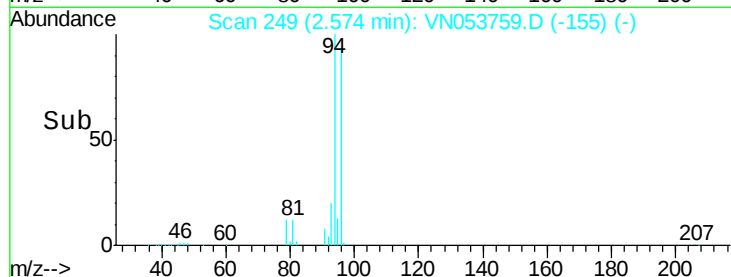
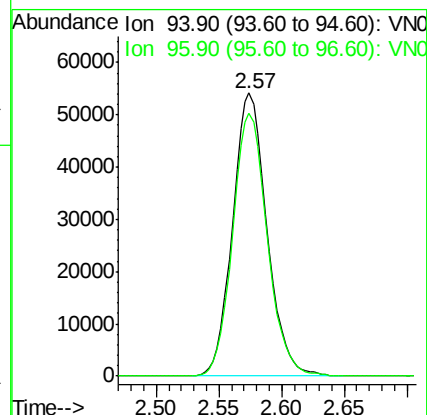
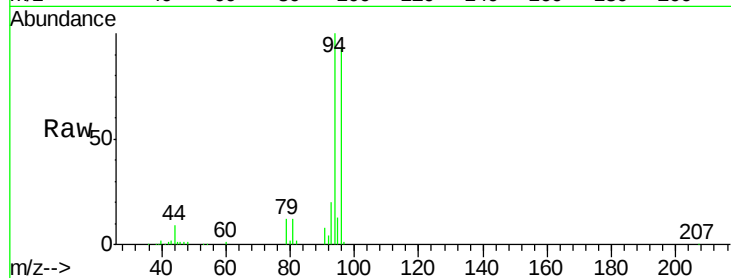
VN0213WBSD01

Tot Ion: 94 Resp: 102691

Ion Ratio Lower Upper

94 100

96 92.8 76.8 115.2



#6

Chloroethane

Concen: 23.533 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053759.D

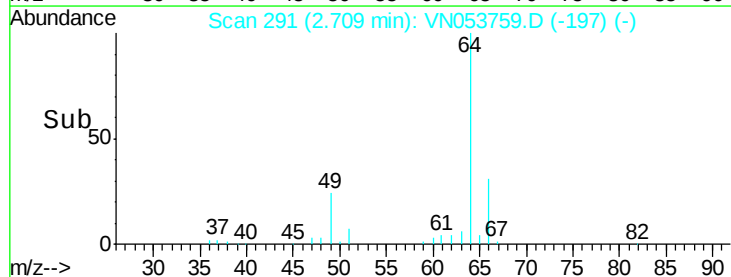
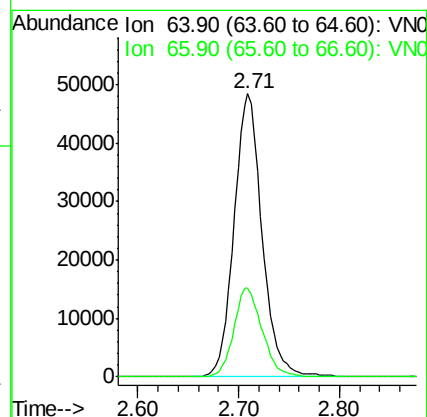
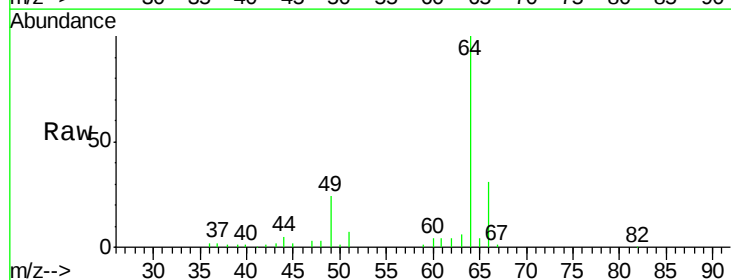
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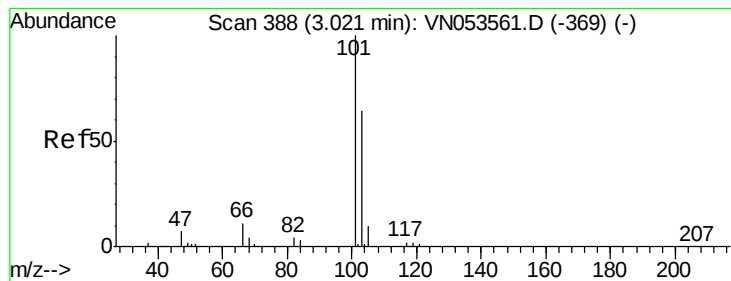
Tgt Ion: 64 Resp: 93770

Ion Ratio Lower Upper

64 100

66 31.3 25.1 37.7



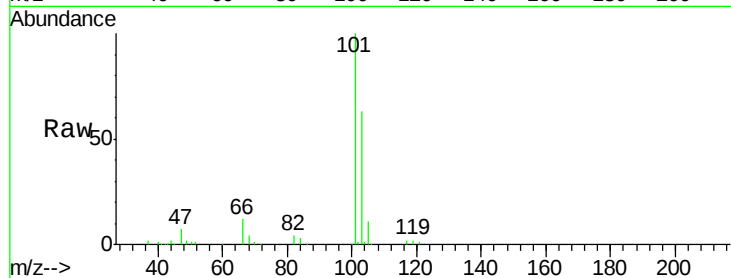


#7

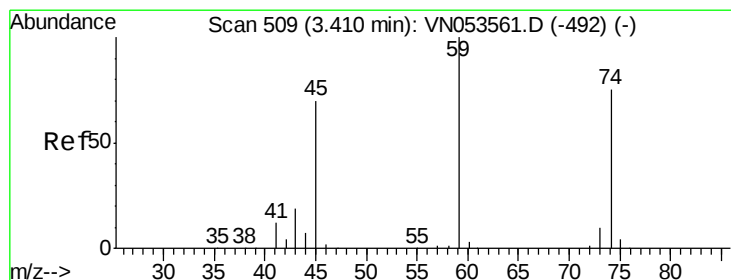
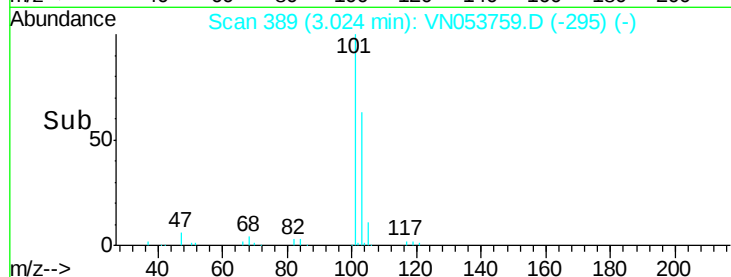
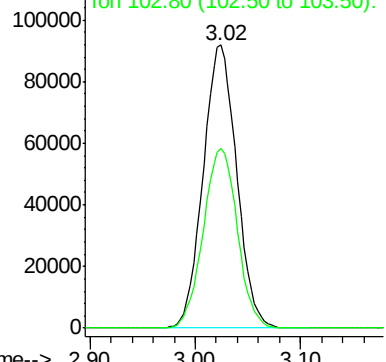
Trichlorofluoromethane
Concen: 21.411 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
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ClientSampleId :
VN0213WBSD01

Tot Ion:101 Resp: 202455
Ion Ratio Lower Upper
101 100
103 63.3 51.6 77.4



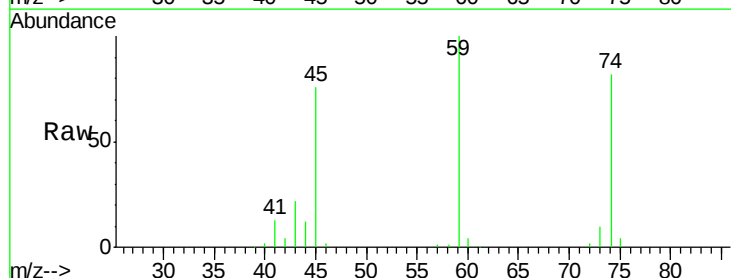
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



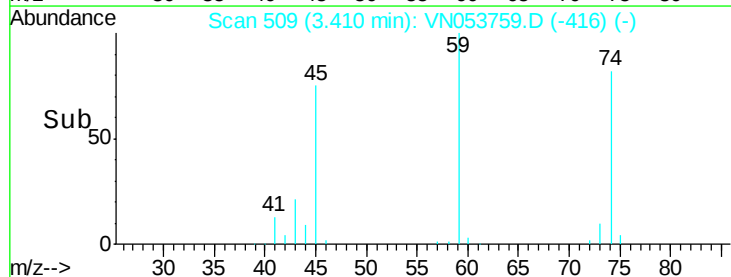
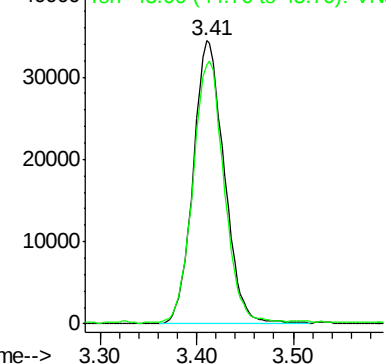
#8

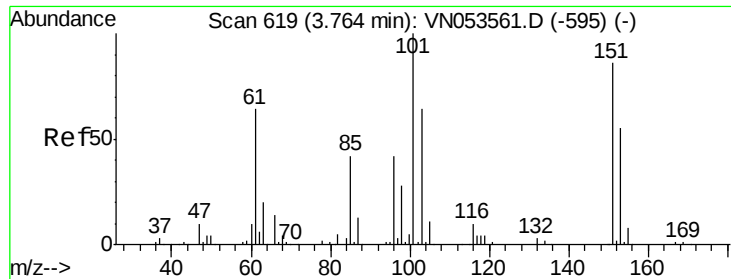
Diethyl Ether
Concen: 22.278 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 74 Resp: 76933
Ion Ratio Lower Upper
74 100
45 94.1 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.122 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0213WBSD01

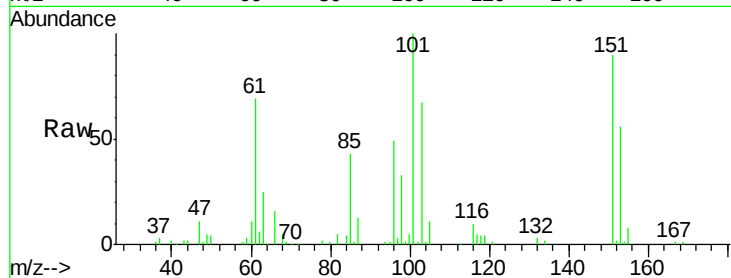
Tot Ion:101 Resp: 117672

Ion Ratio Lower Upper

101 100

85 41.9 32.8 49.2

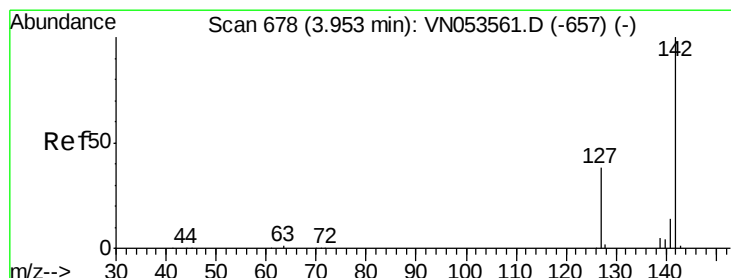
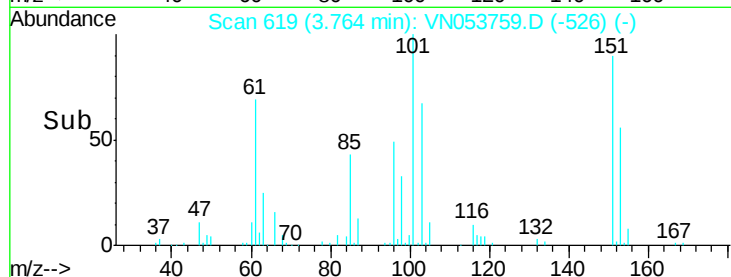
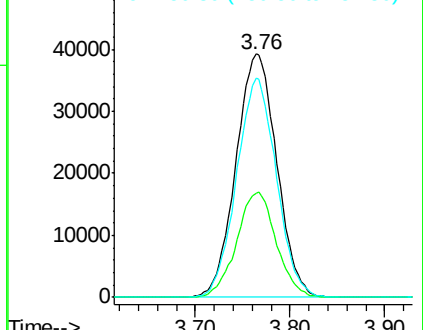
151 87.7 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.057 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

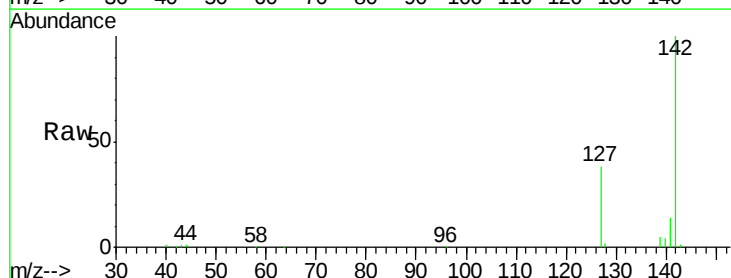
Tgt Ion:142 Resp: 174916

Ion Ratio Lower Upper

142 100

127 38.4 31.0 46.4

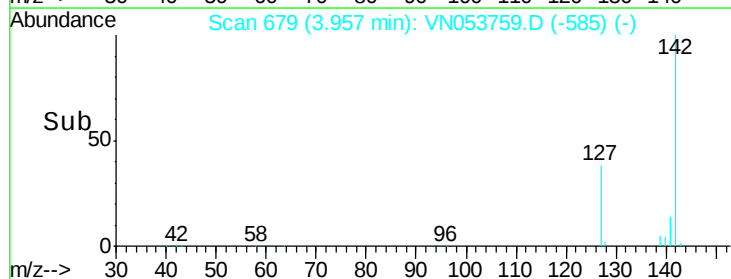
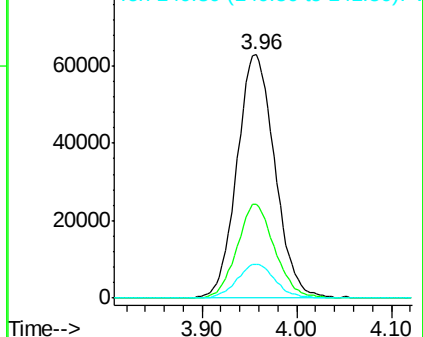
141 14.0 11.1 16.7

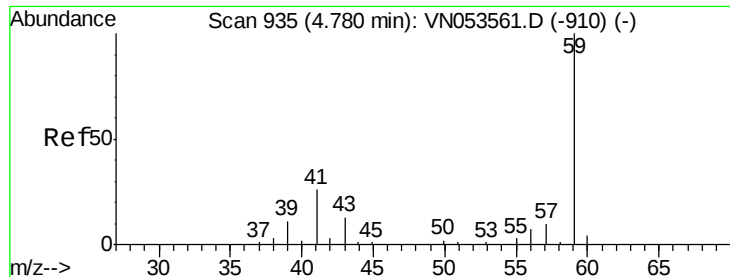


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



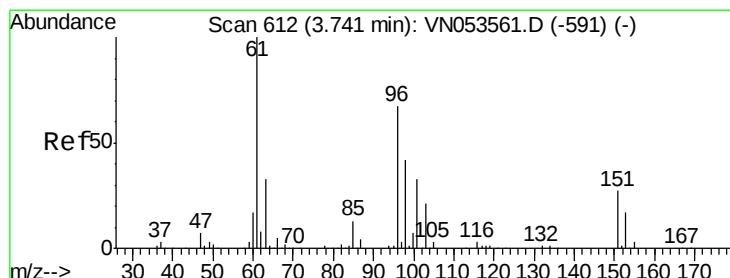
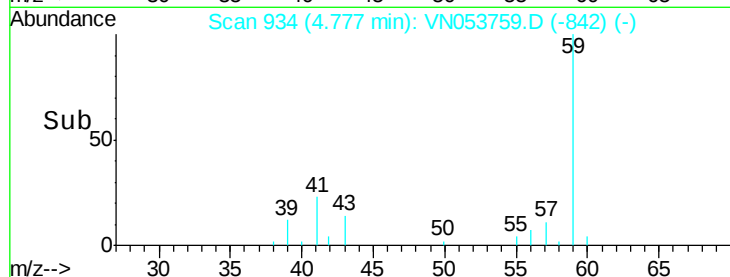
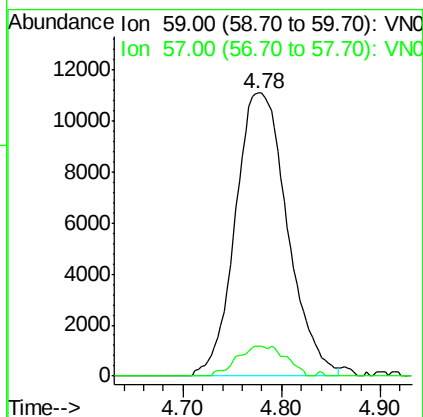
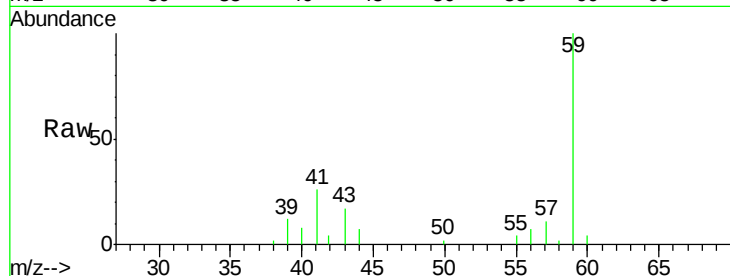


#11

Tert butyl alcohol
 Concen: 112.857 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

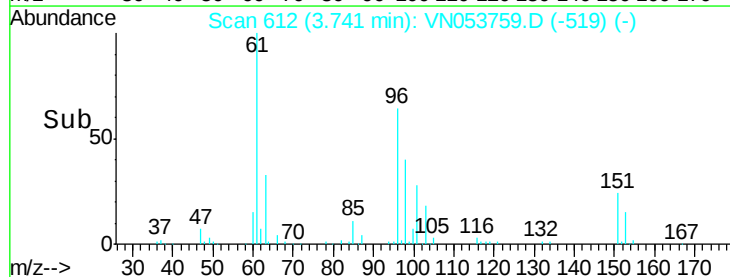
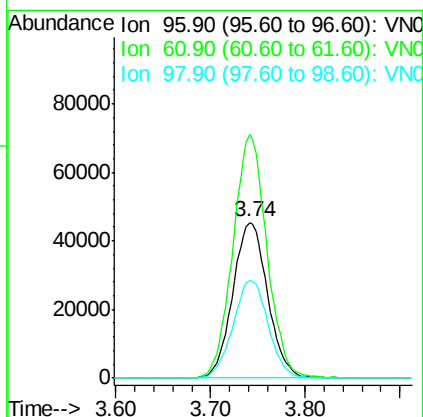
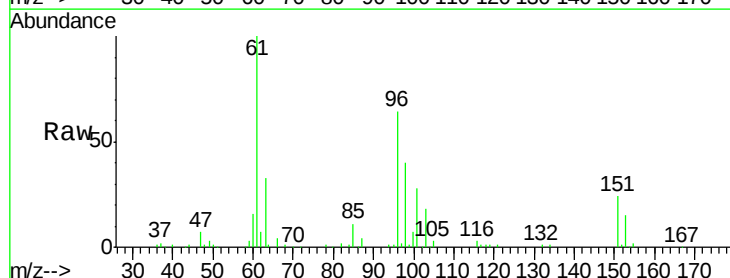
Tot Ion: 59 Resp: 40541
 Ion Ratio Lower Upper
 59 100
 57 6.2 8.2 12.4#

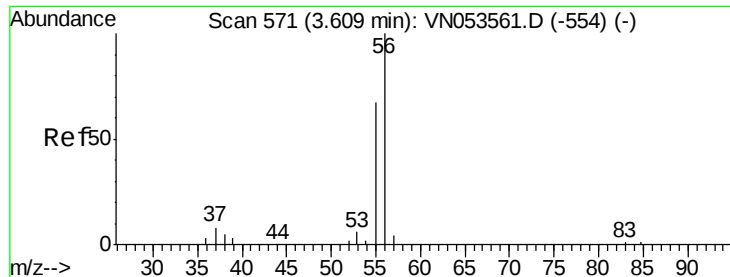


#12

1,1-Dichloroethene
 Concen: 20.759 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 96 Resp: 116308
 Ion Ratio Lower Upper
 96 100
 61 156.5 122.9 184.3
 98 62.9 49.4 74.0





#13

Acrolein

Concen: 94.958 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

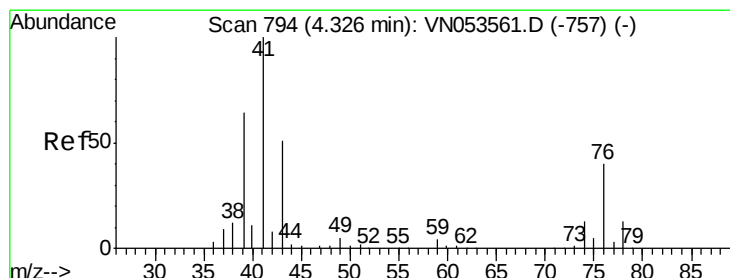
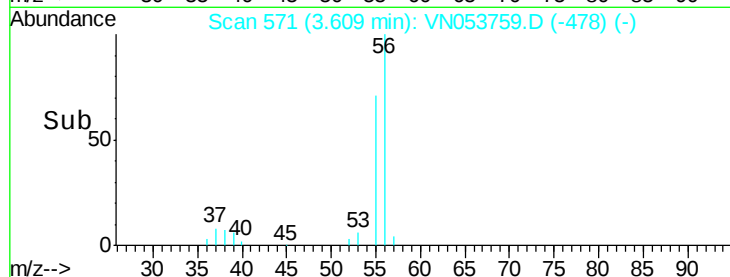
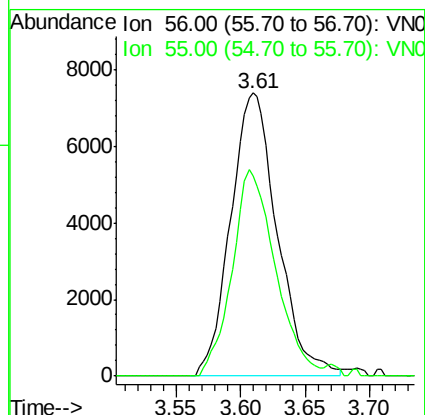
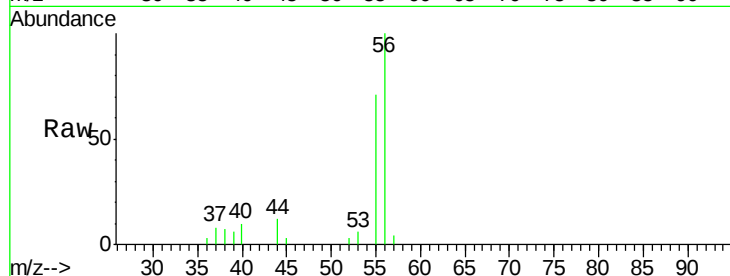
VN0213WBSD01

Tot Ion: 56 Resp: 18572

Ion Ratio Lower Upper

56 100

55 67.5 57.4 86.0



#14

Allyl chloride

Concen: 19.159 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

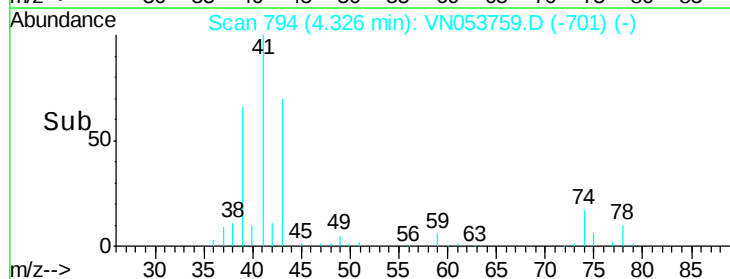
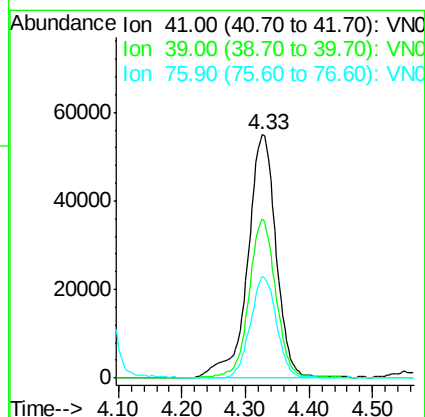
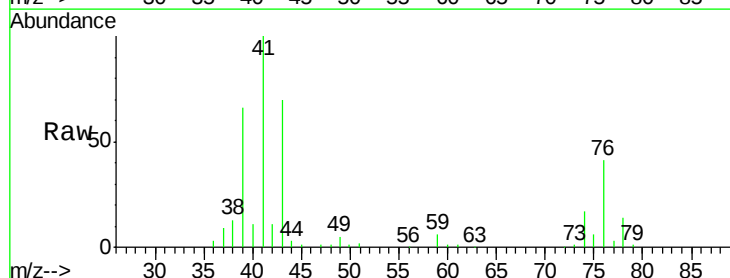
Tgt Ion: 41 Resp: 170915

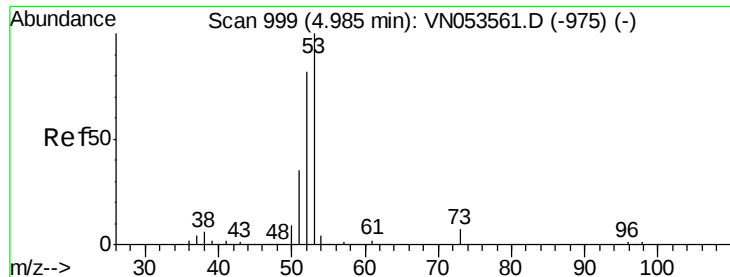
Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

76 38.3 29.4 44.2





#15

Acrylonitrile

Concen: 113.602 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

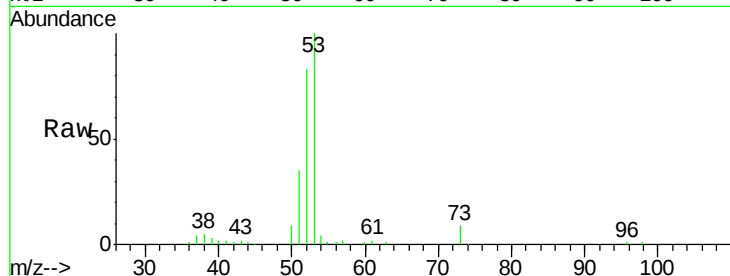
Tot Ion: 53 Resp: 220304

Ion Ratio Lower Upper

53 100

52 81.6 66.0 99.0

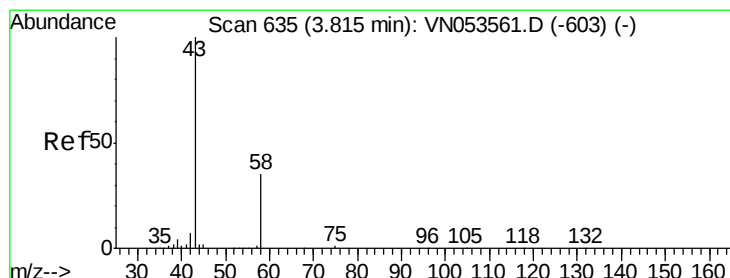
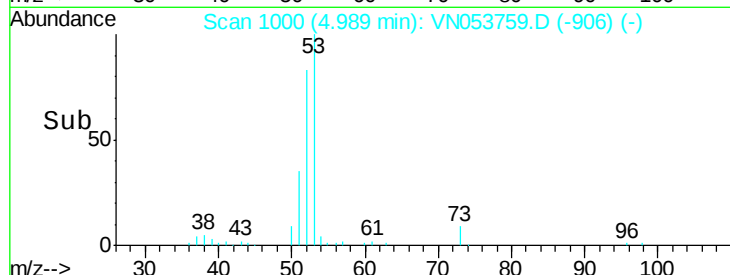
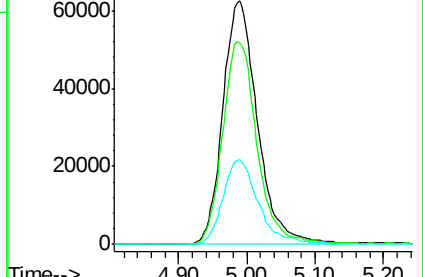
51 35.3 28.3 42.5



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: 100.897 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053759.D

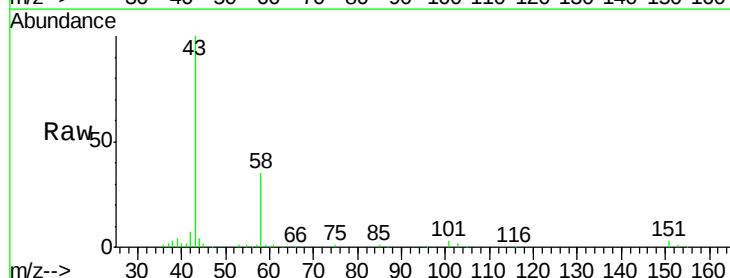
Acq: 13 Feb 2019 17:02

Tgt Ion: 43 Resp: 157087

Ion Ratio Lower Upper

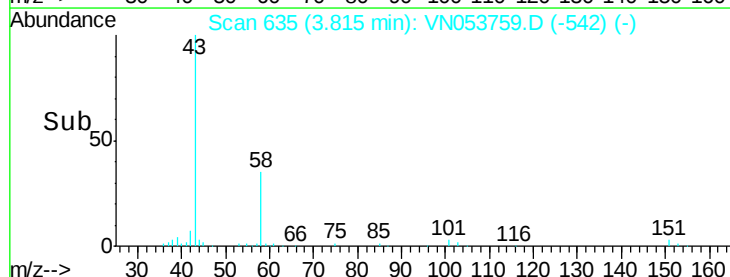
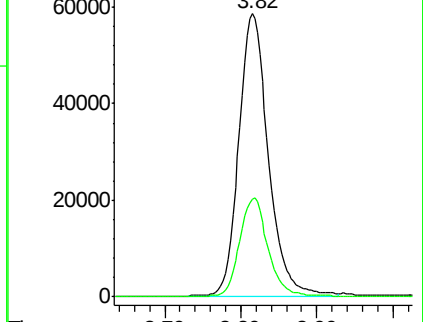
43 100

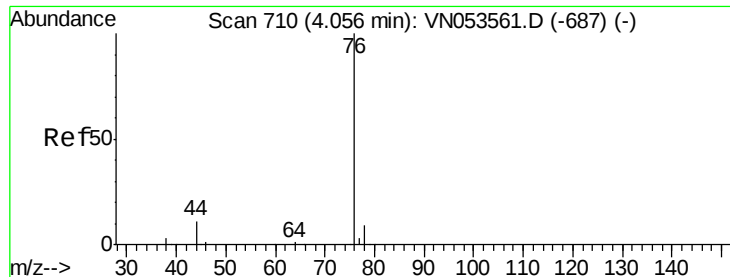
58 34.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

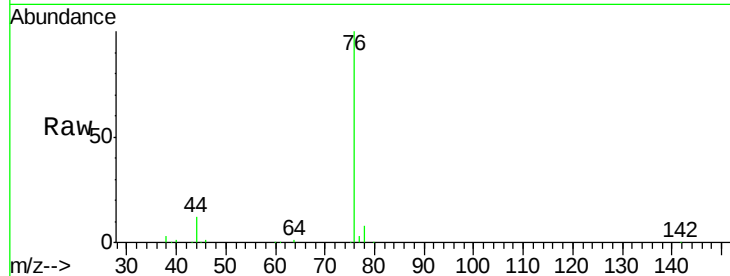




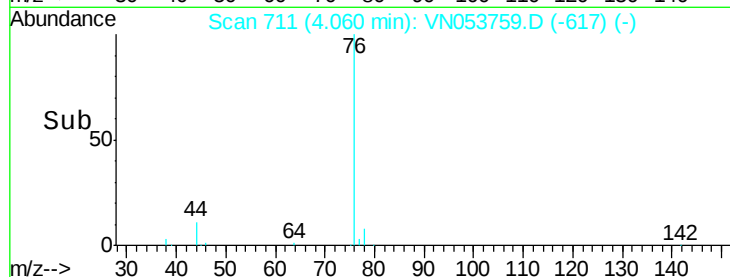
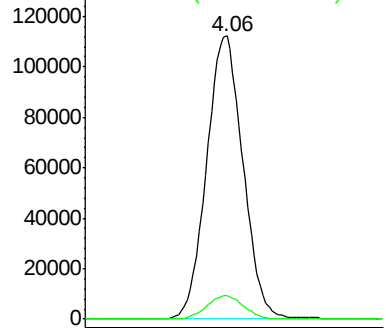
#17
Carbon Disulfide
Concen: 17.192 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

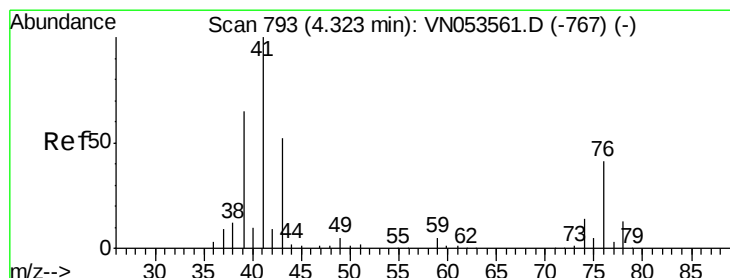
Tot Ion: 76 Resp: 299925
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

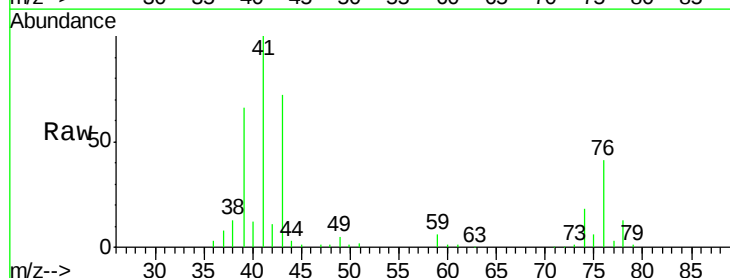


Time-->

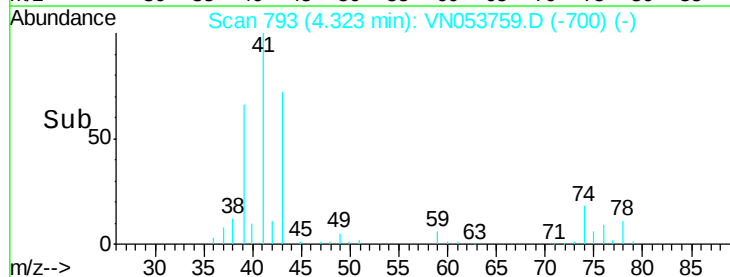
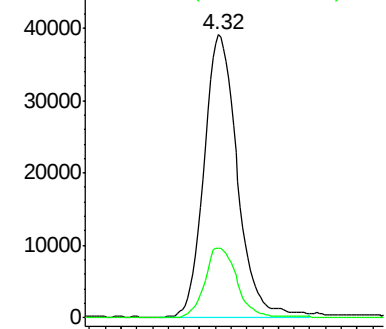


#18
Methyl Acetate
Concen: 25.306 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

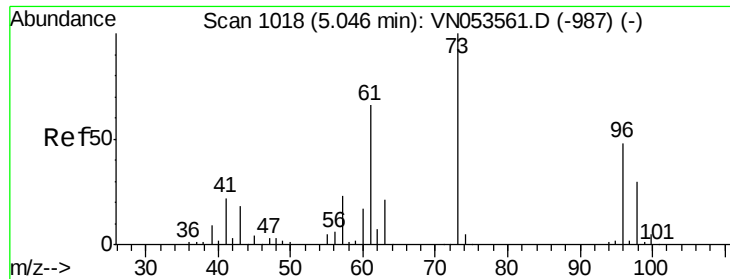
Tgt Ion: 43 Resp: 116683
Ion Ratio Lower Upper
43 100
74 23.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0



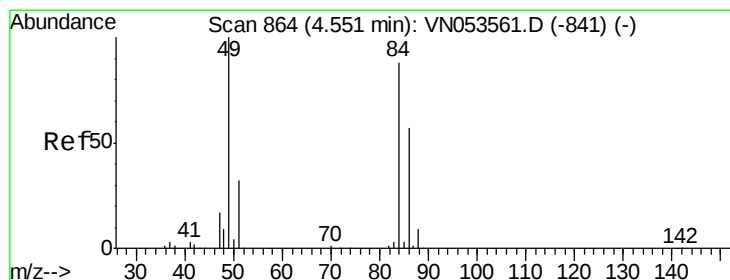
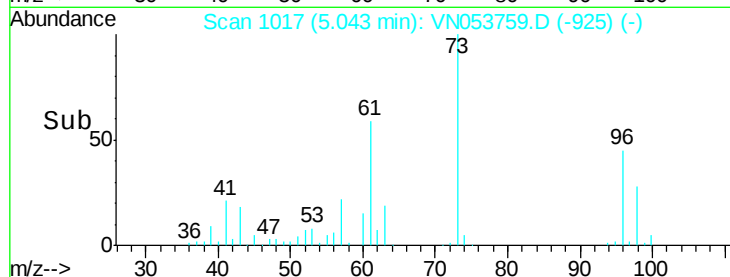
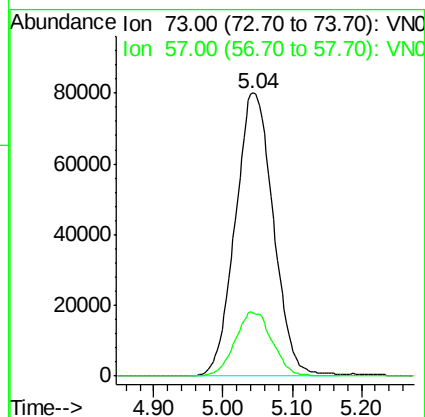
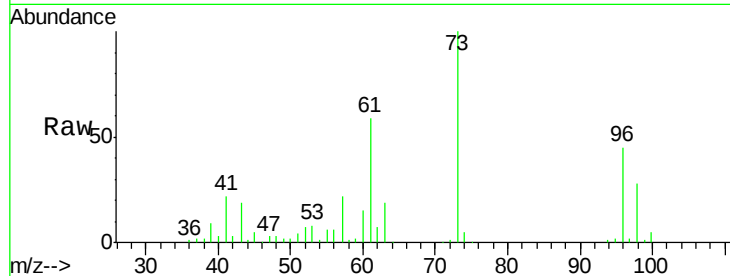
Time-->



#19
Methyl tert-butyl Ether
Concen: 21.564 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

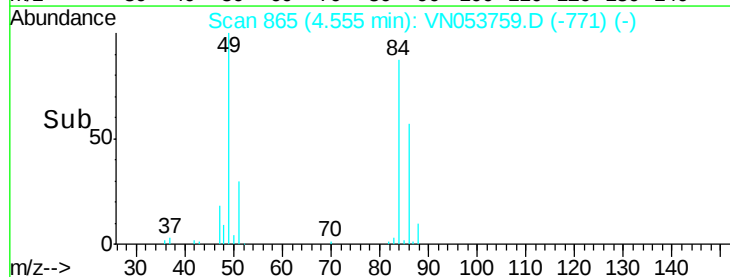
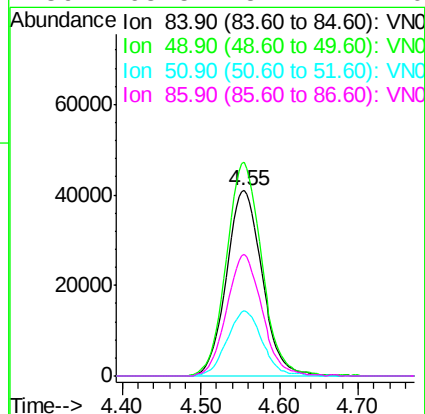
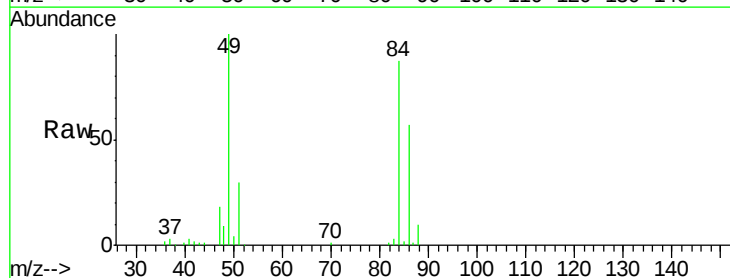
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

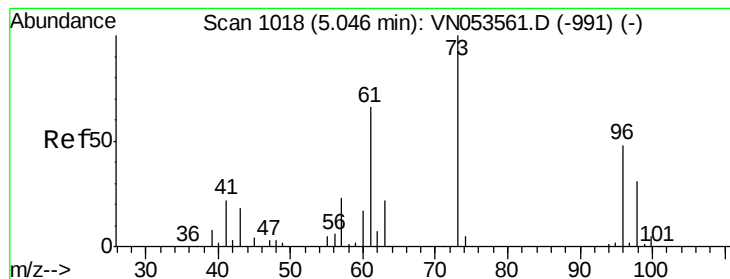
Tot Ion: 73 Resp: 306280
Ion Ratio Lower Upper
73 100
57 22.5 18.3 27.5



#20
Methylene Chloride
Concen: 19.758 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 84 Resp: 129054
Ion Ratio Lower Upper
84 100
49 114.8 94.3 141.5
51 34.9 29.4 44.2
86 65.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.965 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

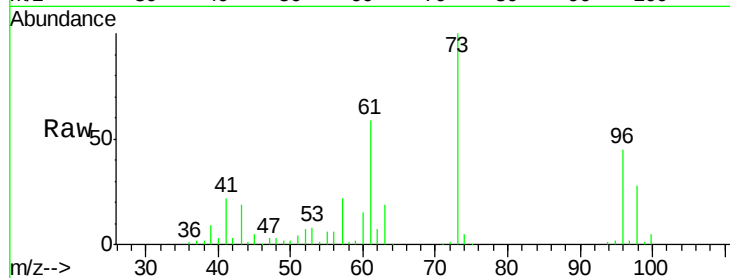
Tot Ion: 96 Resp: 114638

Ion Ratio Lower Upper

96 100

61 132.0 110.1 165.1

98 61.8 50.0 75.0

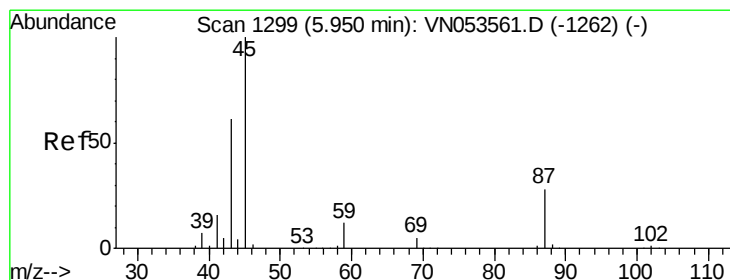
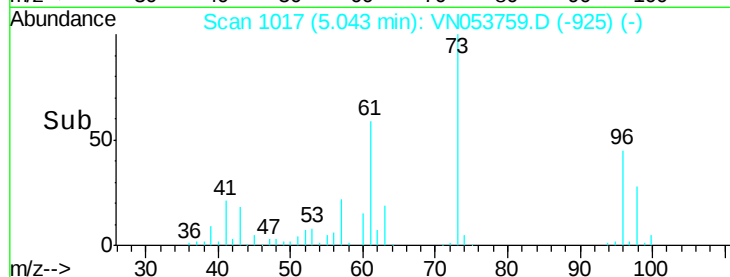
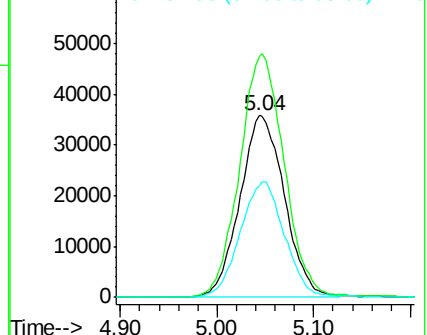


Abundance

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: 20.616 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion: 45 Resp: 340778

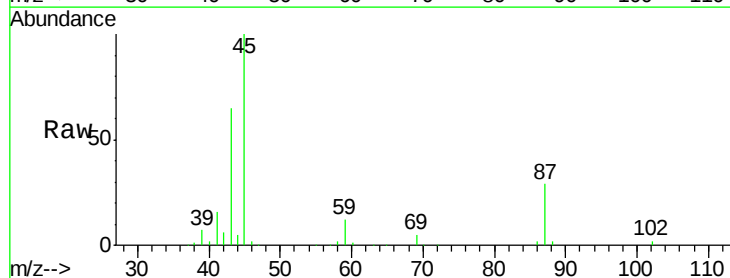
Ion Ratio Lower Upper

45 100

43 61.4 44.2 66.4

87 28.0 22.7 34.1

59 11.8 9.4 14.2



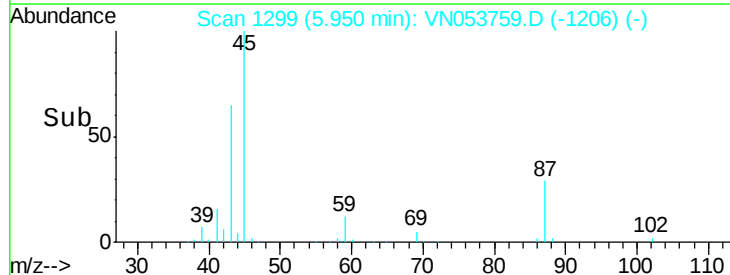
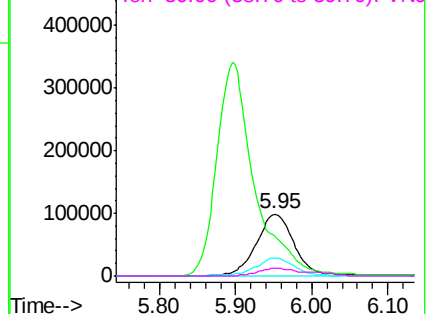
Abundance

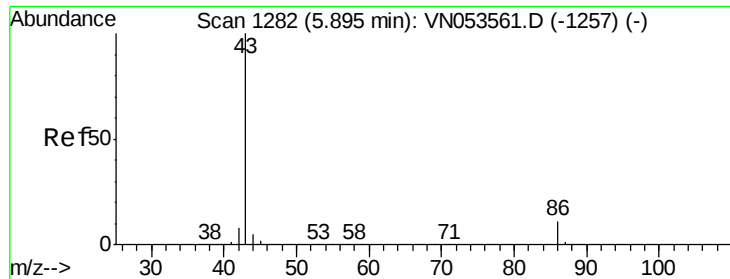
Ion 45.00 (44.70 to 45.70): VN0

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: 103.258 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

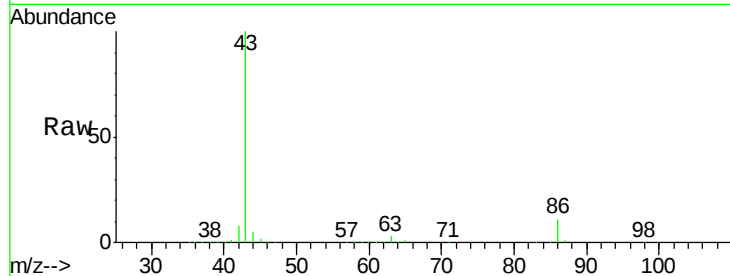
VN0213WBSD01

Tot Ion: 43 Resp: 1180761

Ion Ratio Lower Upper

43 100

86 10.8 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

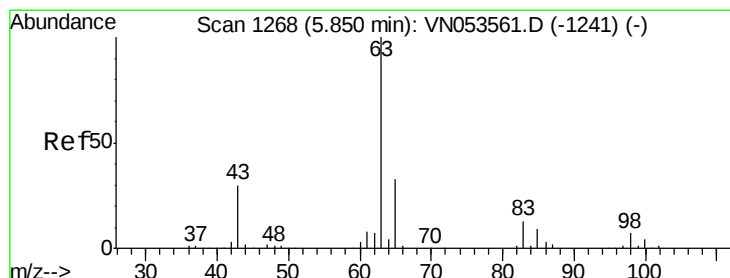
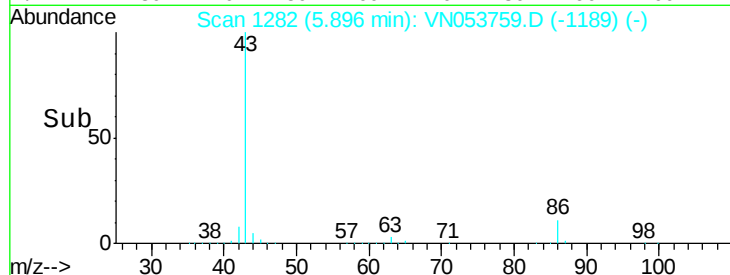
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.962 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

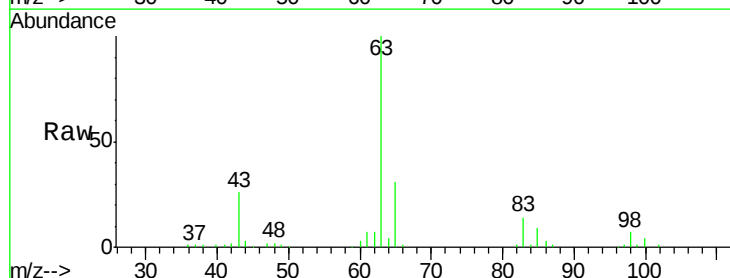
Tgt Ion: 63 Resp: 220090

Ion Ratio Lower Upper

63 100

98 7.1 3.3 9.9

100 4.3 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.85

80000

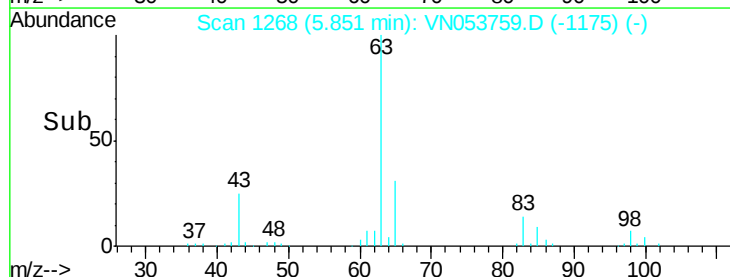
60000

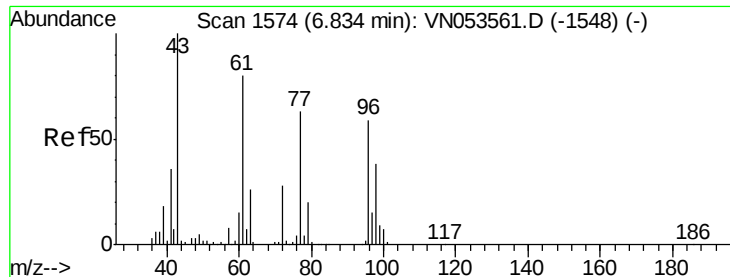
40000

20000

0

Time-->





#25

2-Butanone

Concen: 104.581 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

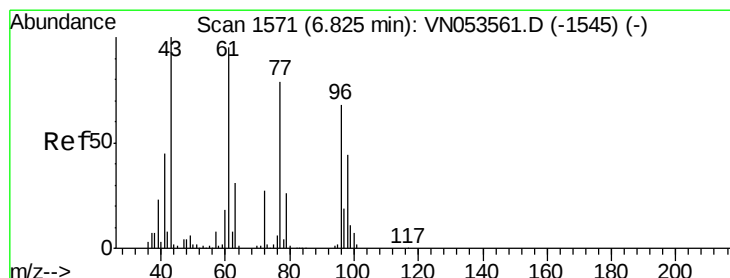
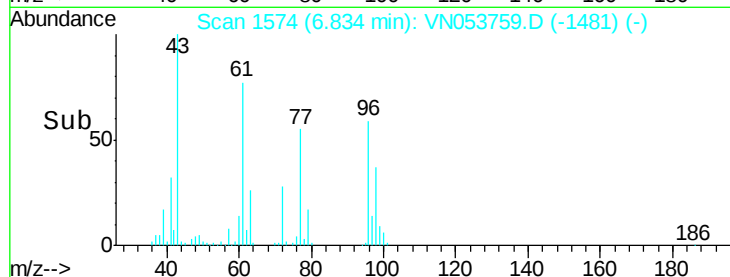
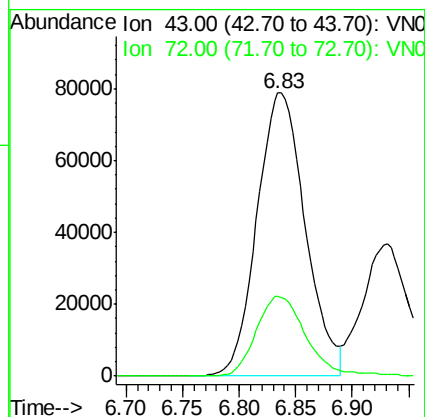
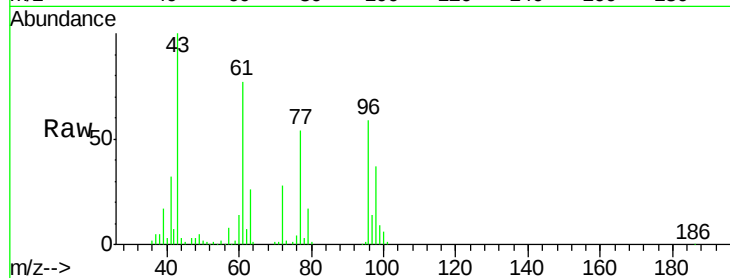
VN0213WBSD01

Tot Ion: 43 Resp: 232222

Ion Ratio Lower Upper

43 100

72 28.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 17.432 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053759.D

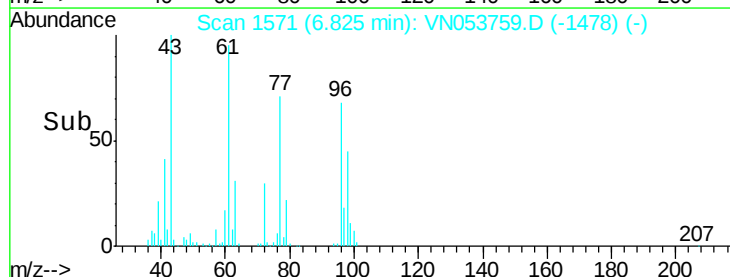
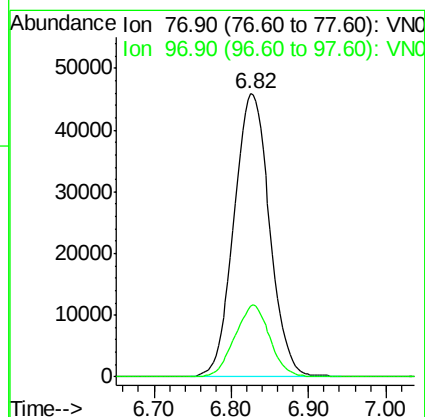
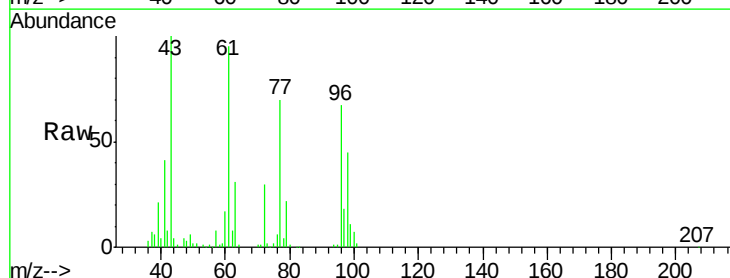
Acq: 13 Feb 2019 17:02

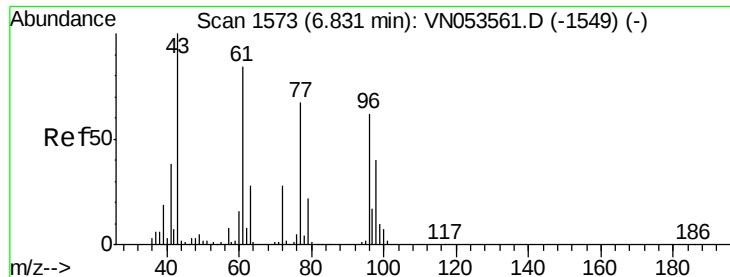
Tgt Ion: 77 Resp: 146708

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.326 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

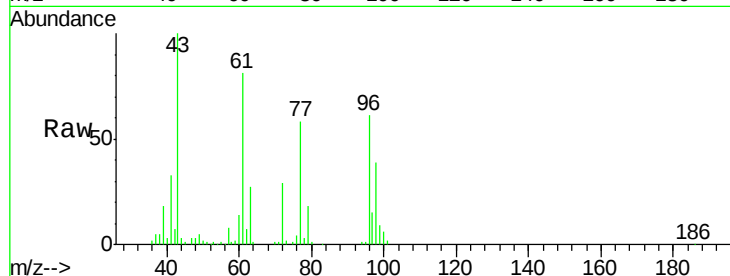
Tot Ion: 96 Resp: 136618

Ion Ratio Lower Upper

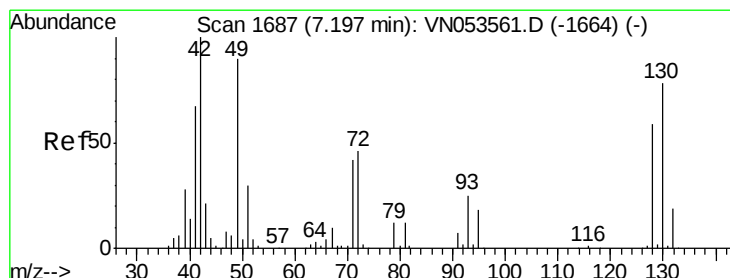
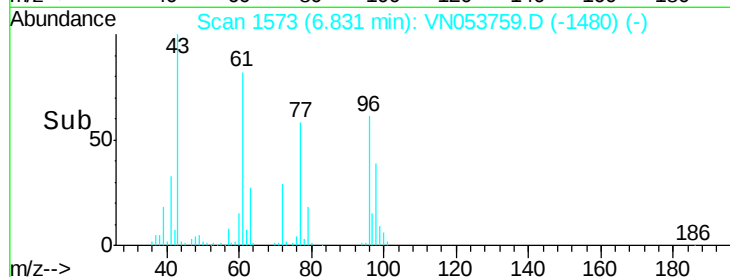
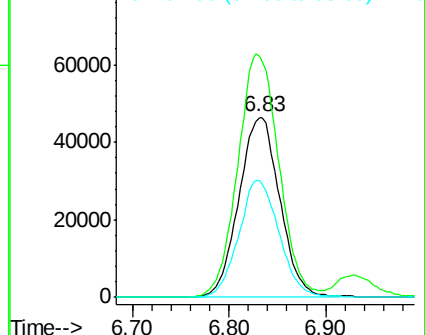
96 100

61 136.1 0.0 283.8

98 64.0 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: 21.326 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

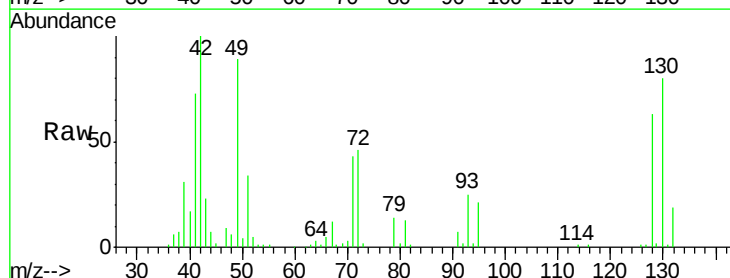
Tgt Ion: 49 Resp: 102032

Ion Ratio Lower Upper

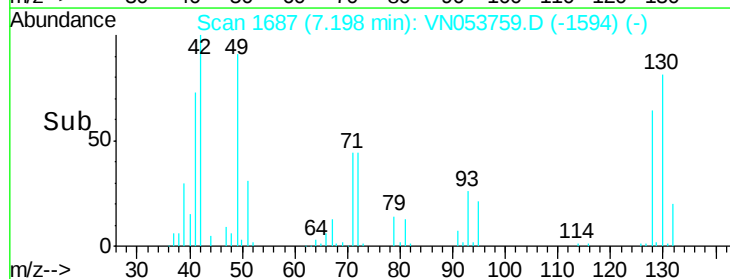
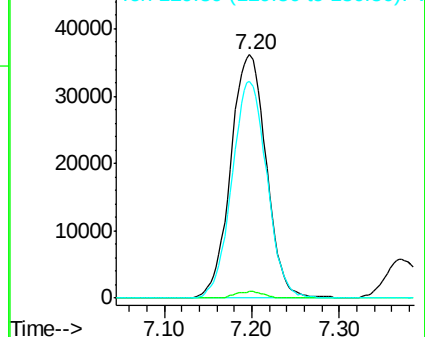
49 100

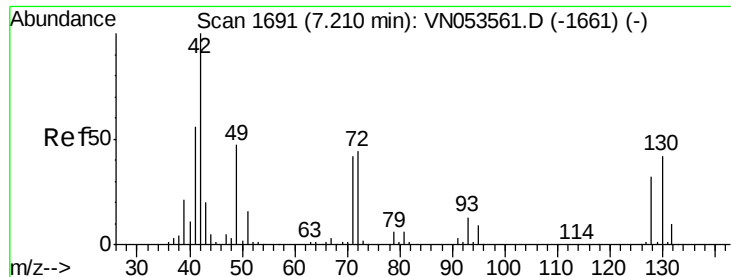
129 2.1 0.0 4.0

130 87.3 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

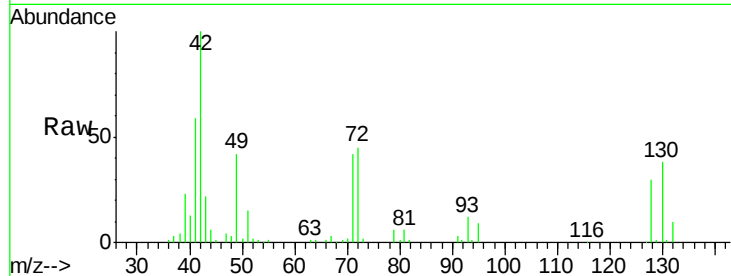




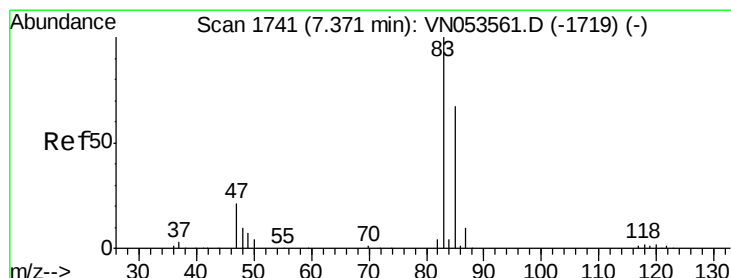
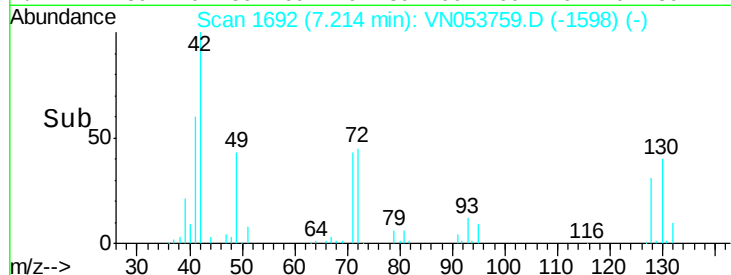
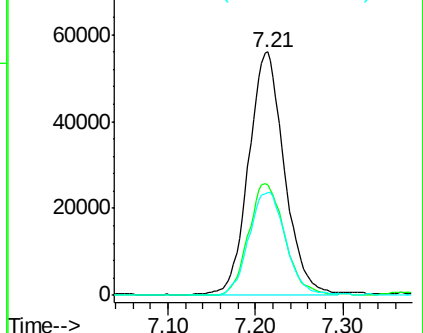
#29
Tetrahydrofuran
Concen: 111.827 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

Tot Ion: 42 Resp: 159448
Ion Ratio Lower Upper
42 100
72 46.4 35.2 52.8
71 43.5 33.0 49.4

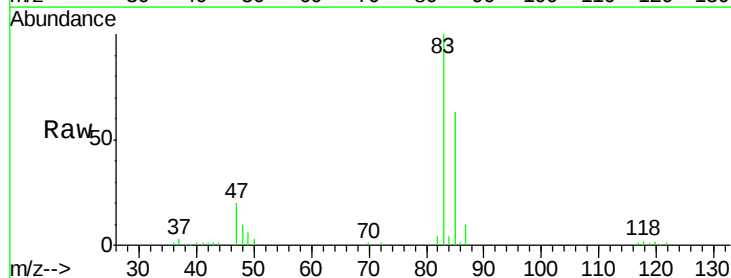


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

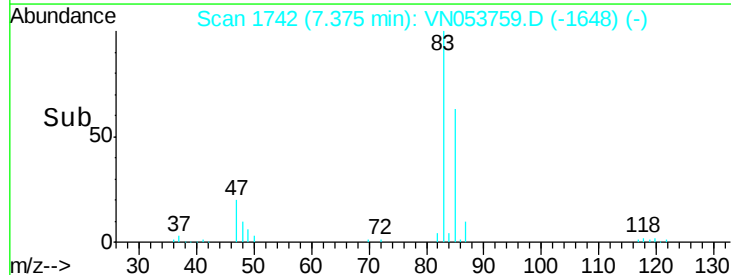
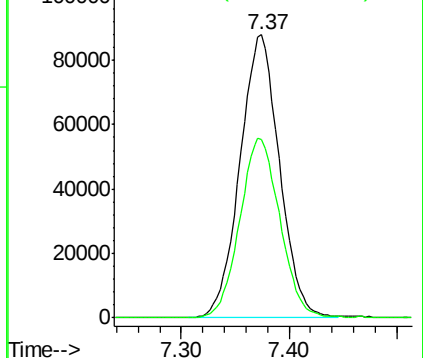


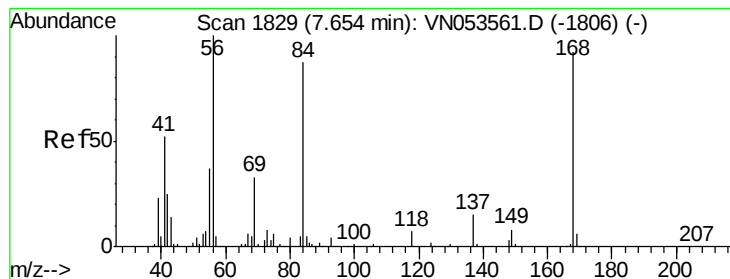
#30
Chloroform
Concen: 20.458 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 83 Resp: 223589
Ion Ratio Lower Upper
83 100
85 63.2 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: 17.803 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

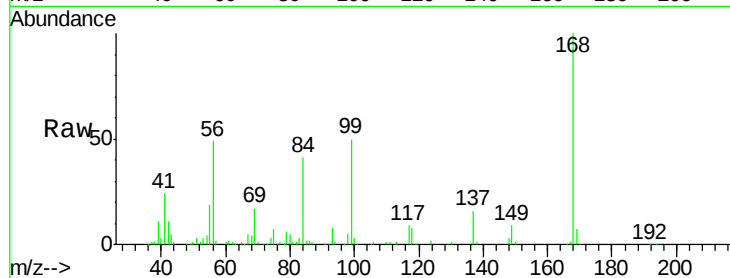
Tot Ion: 56 Resp: 183864

Ion Ratio Lower Upper

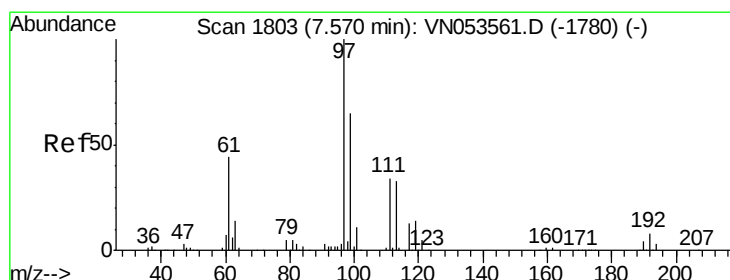
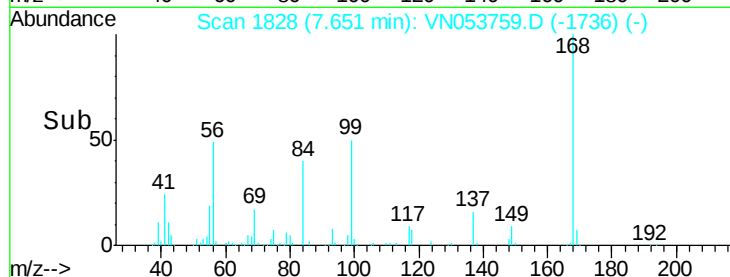
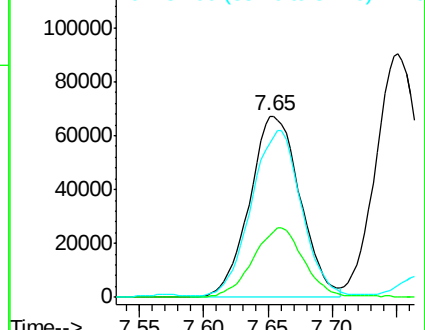
56 100

69 34.2 26.4 39.6

84 83.9 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: 20.365 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

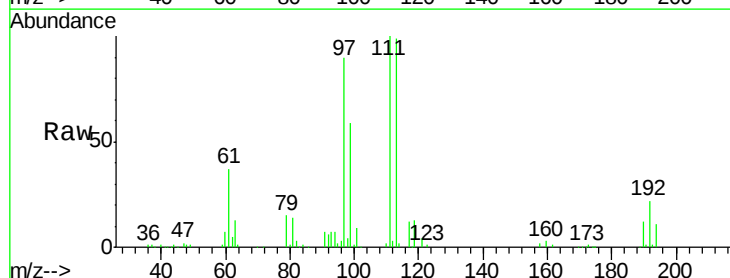
Tgt Ion: 97 Resp: 185225

Ion Ratio Lower Upper

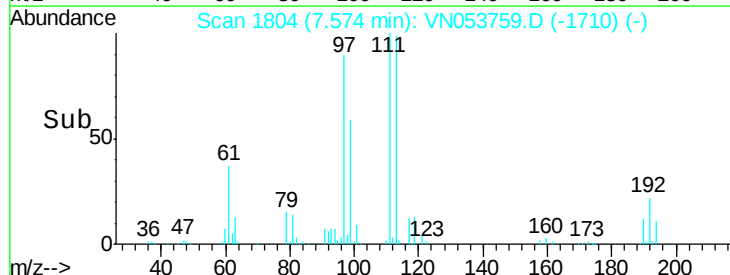
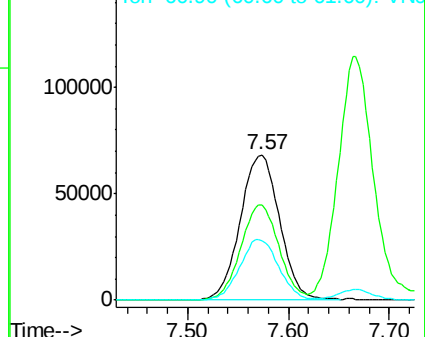
97 100

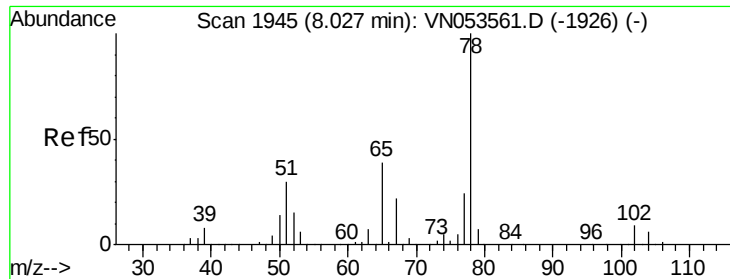
99 63.7 52.0 78.0

61 41.2 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

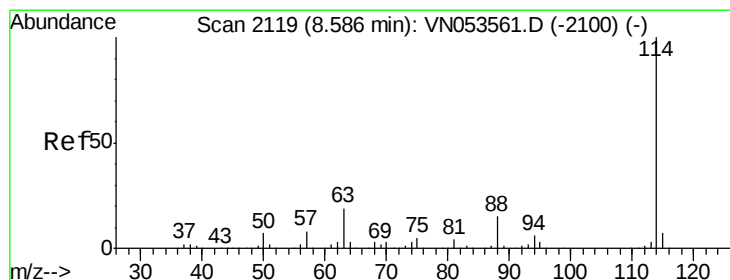
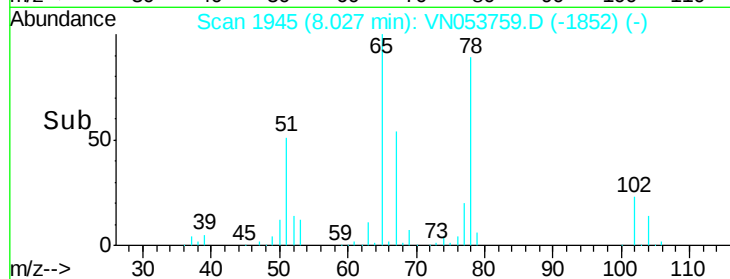
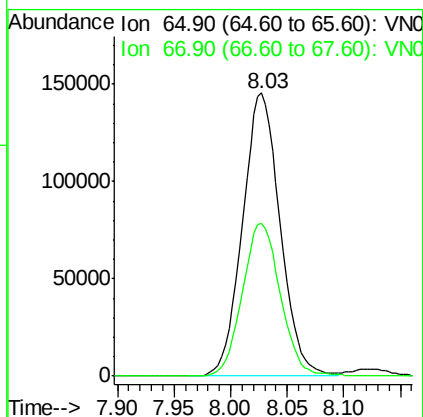
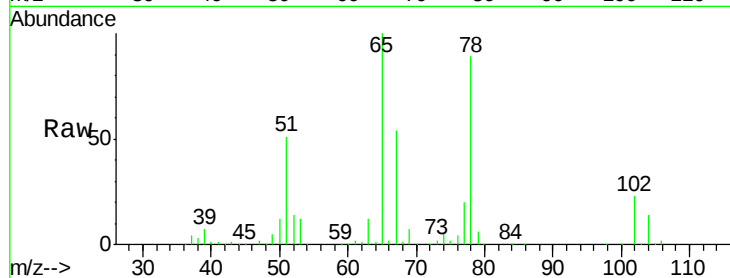




#33
 1,2-Dichloroethane-d4
 Concen: 55.507 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

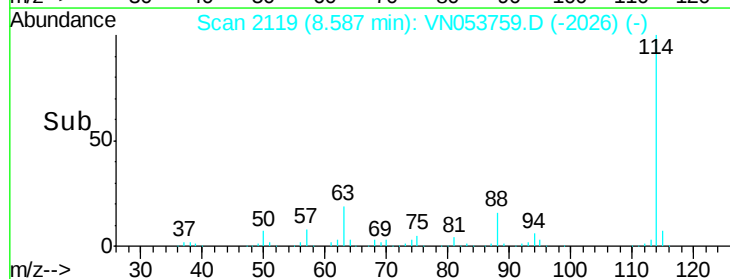
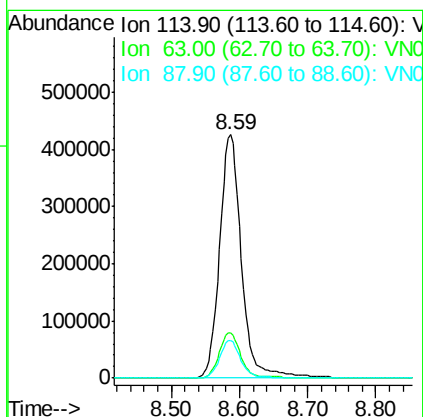
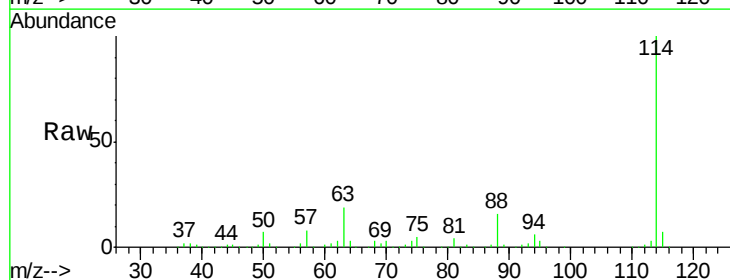
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

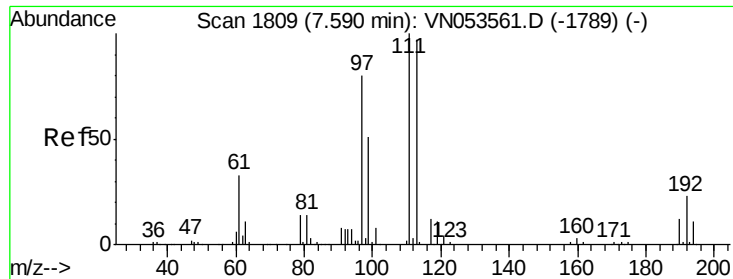
Tot Ion: 65 Resp: 336912
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 114 Resp: 945912
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 38.6
 88 15.5 0.0 30.4

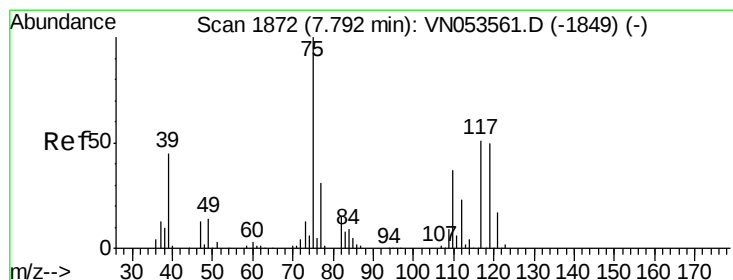
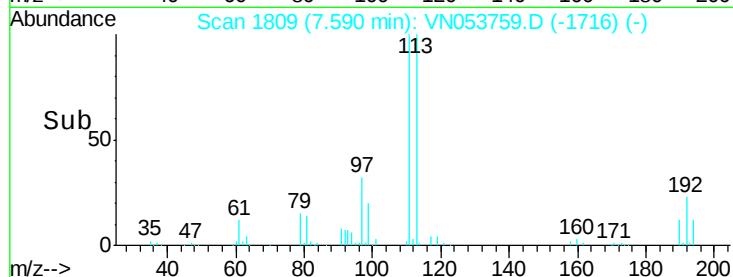
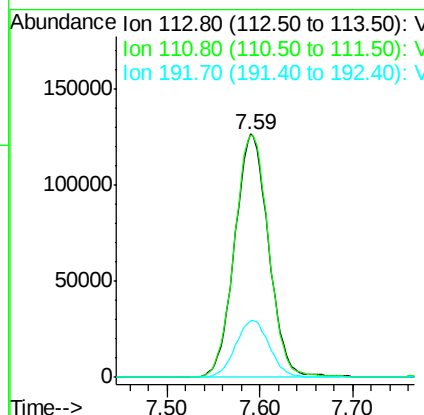
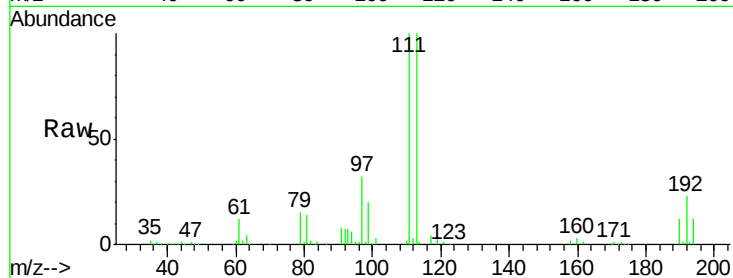




#35
Dibromofluoromethane
Concen: 53.494 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

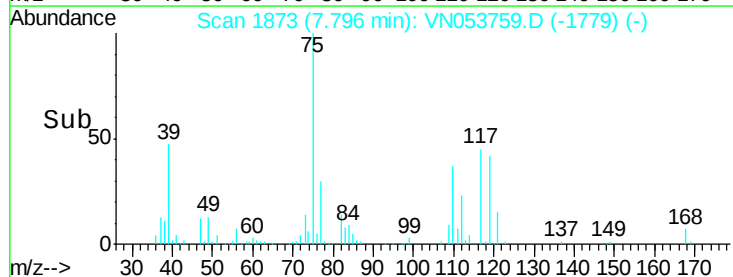
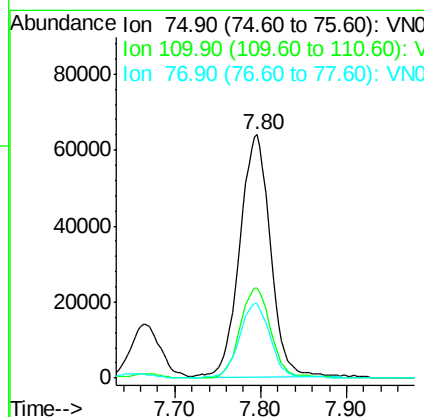
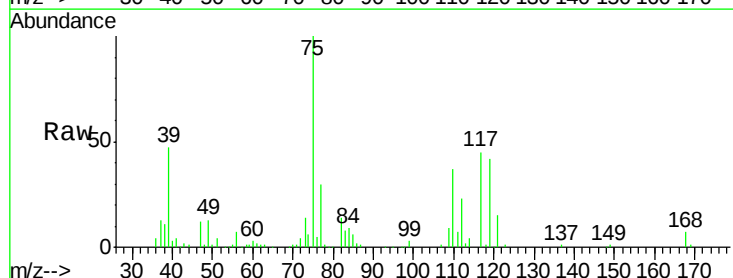
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

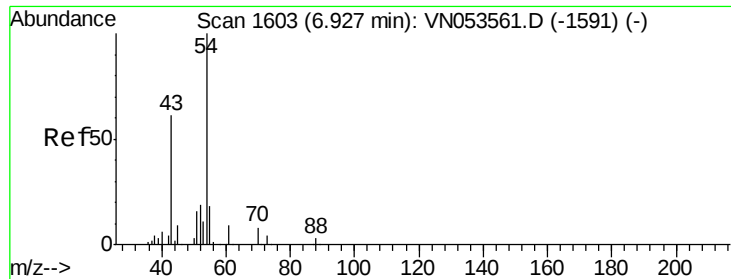
Tot Ion:113 Resp: 319729
Ion Ratio Lower Upper
113 100
111 101.1 81.1 121.7
192 23.3 18.2 27.2



#36
1,1-Dichloropropene
Concen: 18.469 ug/l
RT: 7.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 75 Resp: 157478
Ion Ratio Lower Upper
75 100
110 38.1 18.1 54.3
77 31.2 25.1 37.7

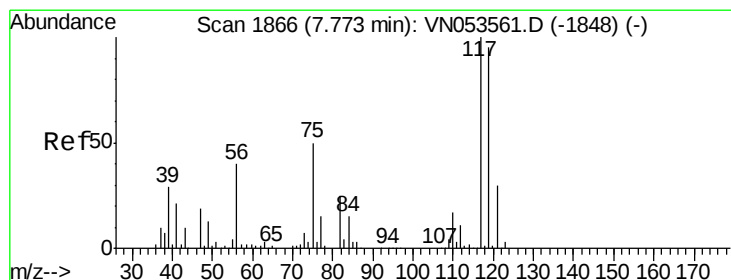
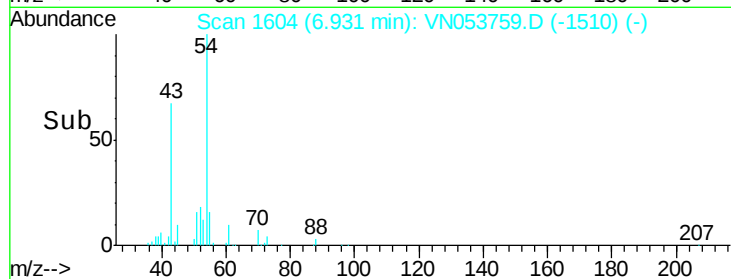
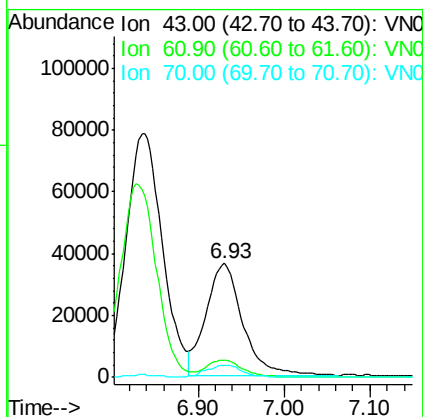
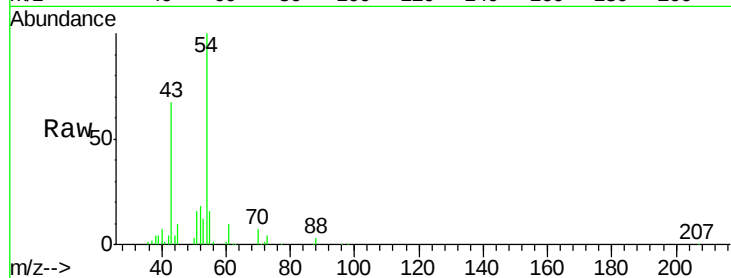




#37
Ethyl Acetate
Concen: 22.876 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

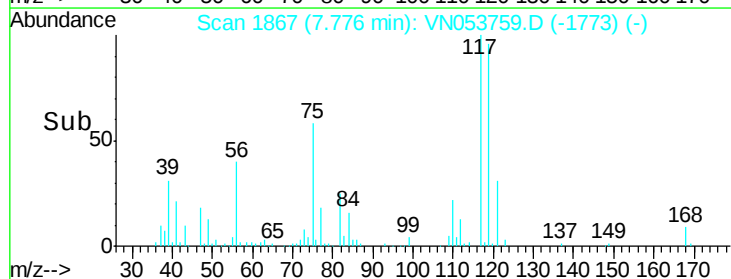
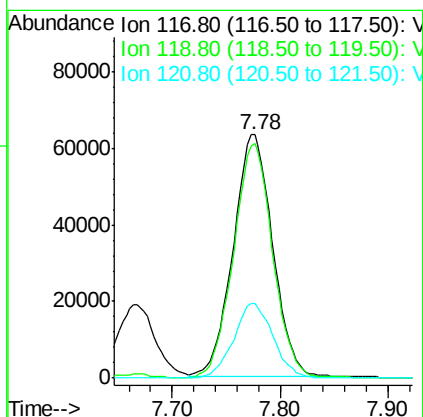
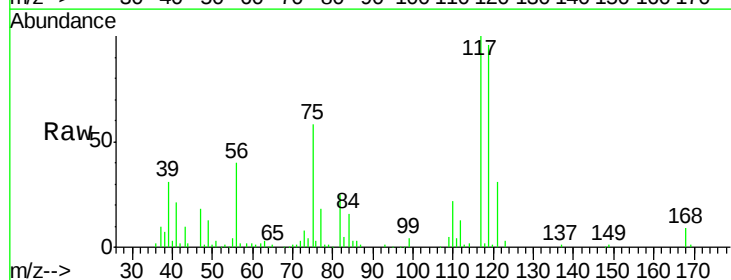
Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

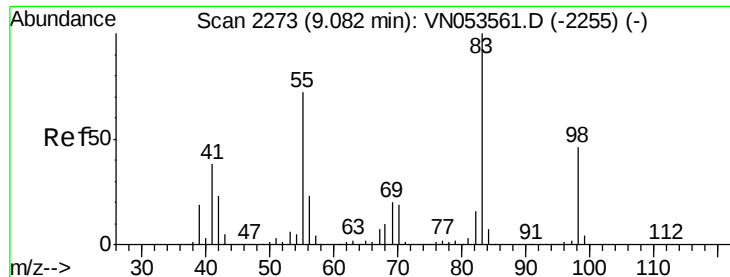
Tot Ion: 43 Resp: 108941
Ion Ratio Lower Upper
43 100
61 13.8 11.8 17.6
70 10.9 8.6 12.8



#38
Carbon Tetrachloride
Concen: 18.701 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 117 Resp: 160642
Ion Ratio Lower Upper
117 100
119 97.0 77.2 115.8
121 30.9 24.6 37.0

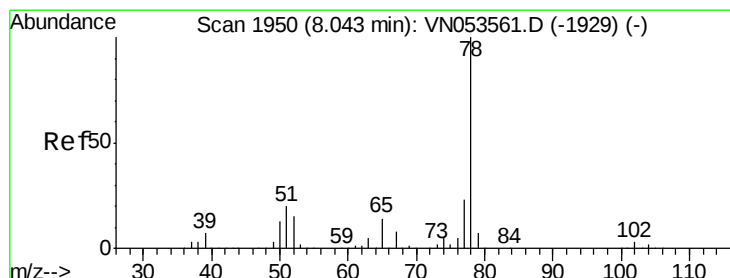
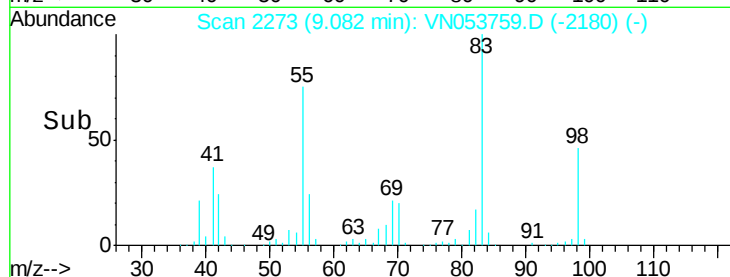
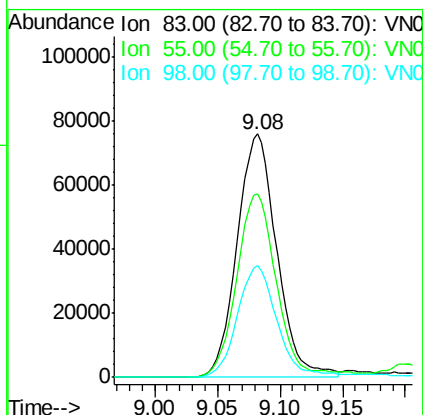
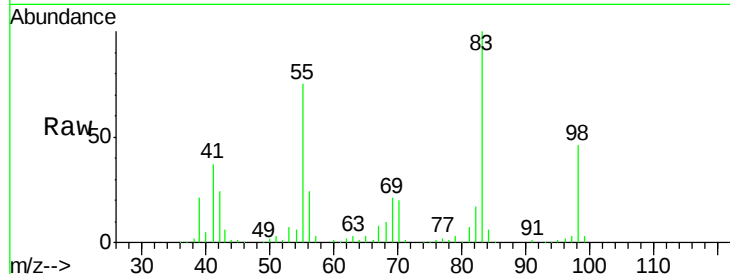




#39
Methvlcvclohexane
Concen: 16.554 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

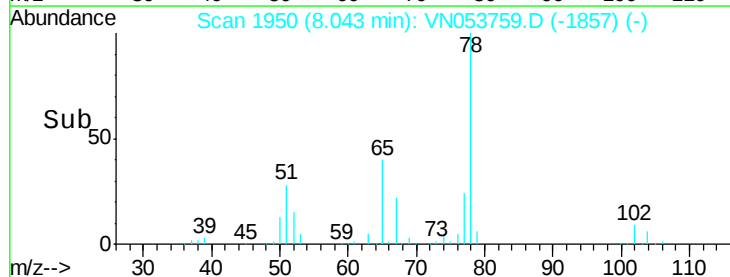
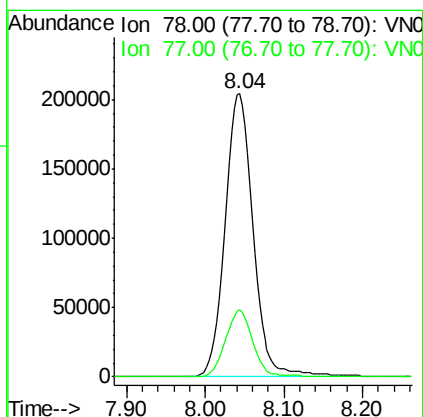
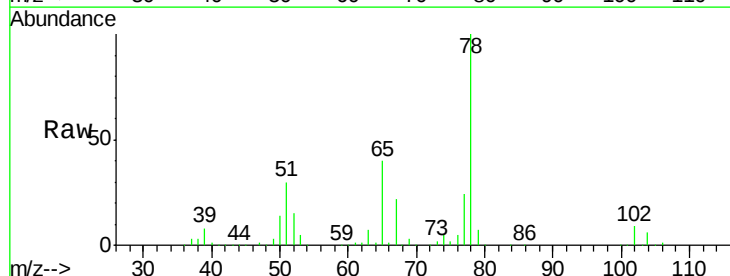
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

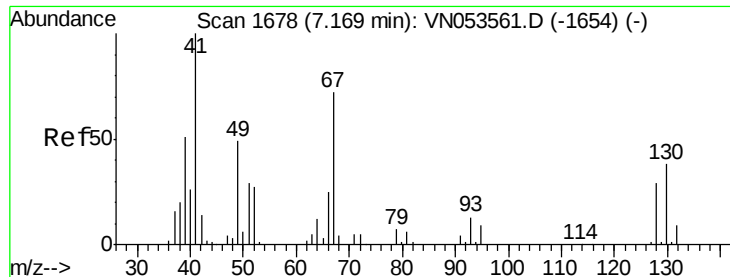
Tot Ion: 83 Resp: 167462
Ion Ratio Lower Upper
83 100
55 75.3 60.1 90.1
98 45.8 36.6 55.0



#40
Benzene
Concen: 19.141 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 78 Resp: 503304
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 57.739 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. 0.04 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0213WBSD01

Tot Ion: 41 Resp: 153680

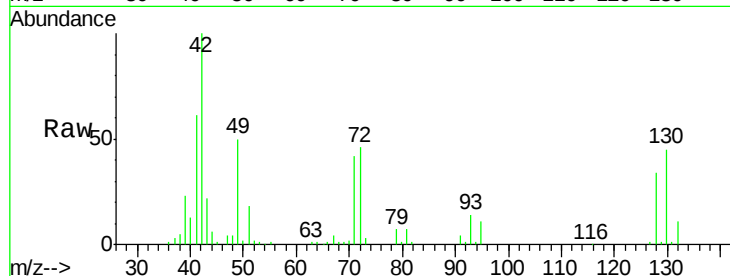
Ion Ratio Lower Upper

41 100

39 0.0 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#



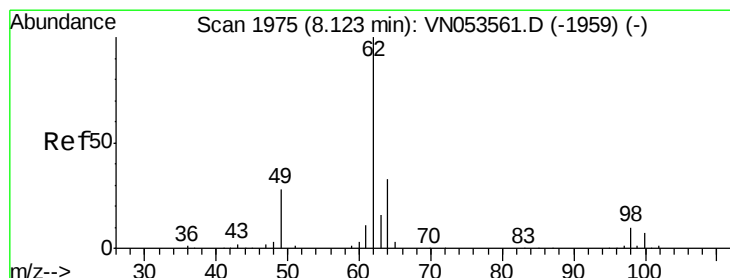
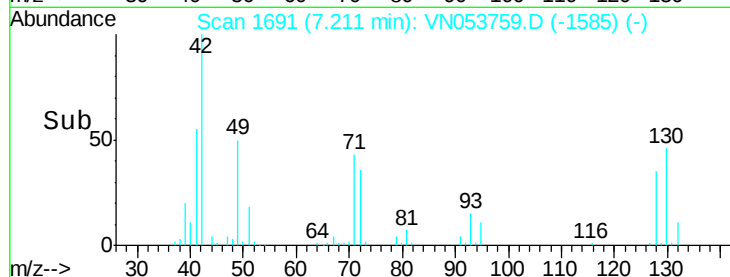
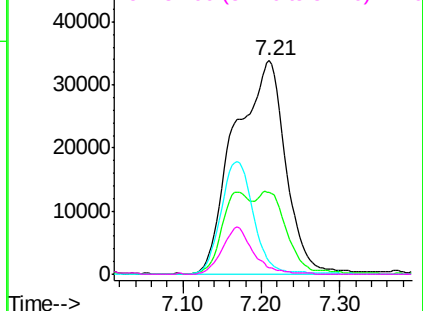
Abundance

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: 19.612 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VN053759.D

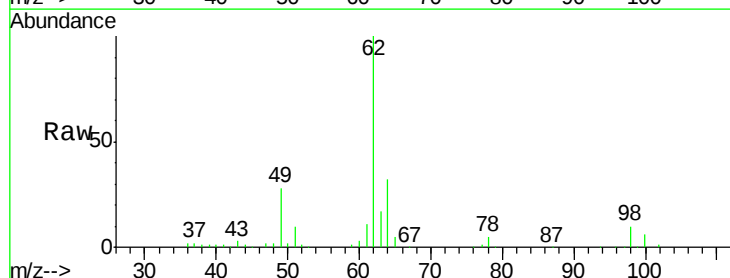
Acq: 13 Feb 2019 17:02

Tgt Ion: 62 Resp: 153120

Ion Ratio Lower Upper

62 100

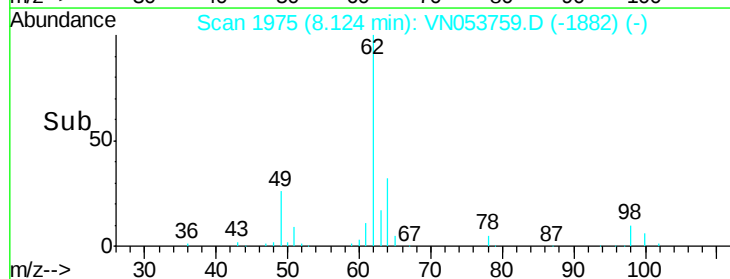
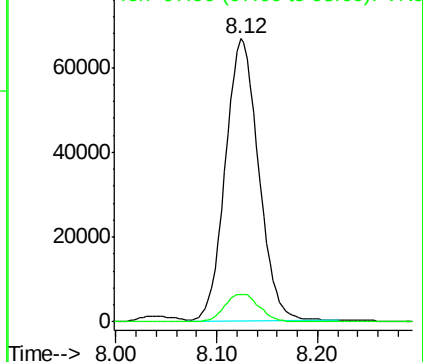
98 10.4 0.0 19.6

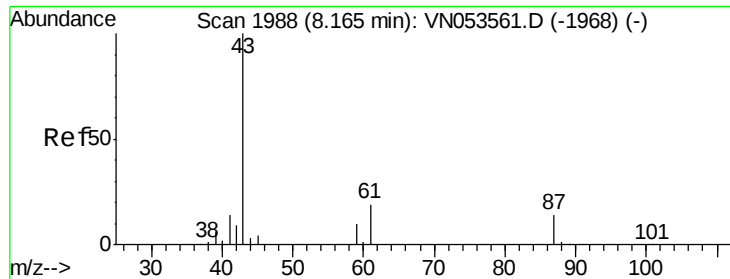


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 21.183 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

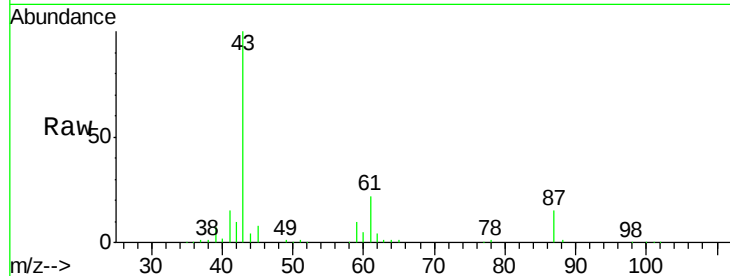
Tot Ion: 43 Resp: 194817

Ion Ratio Lower Upper

43 100

61 27.7 23.9 35.9

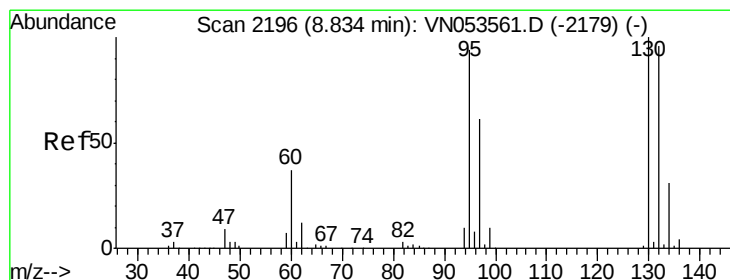
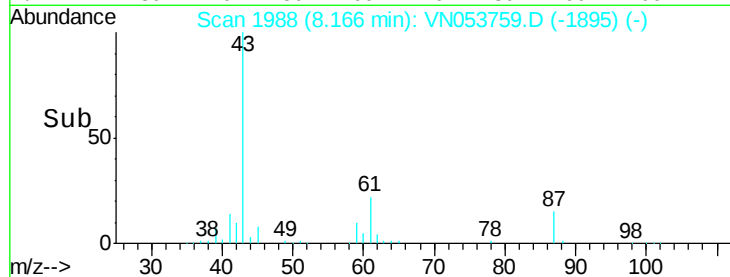
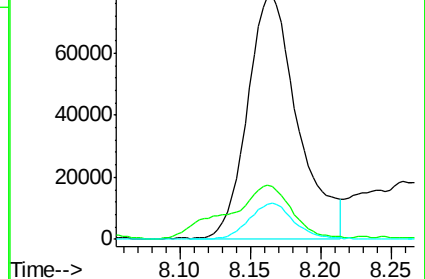
87 13.1 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053759.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN053759.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN053759.D (-2103) (-)



#44

Trichloroethene

Concen: 17.766 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053759.D

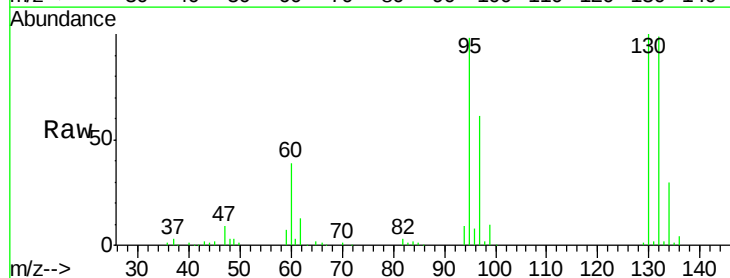
Acq: 13 Feb 2019 17:02

Tgt Ion: 130 Resp: 132992

Ion Ratio Lower Upper

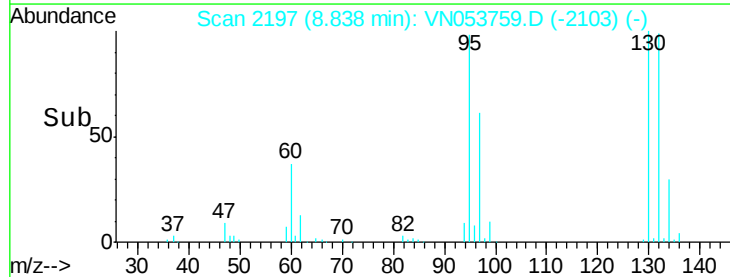
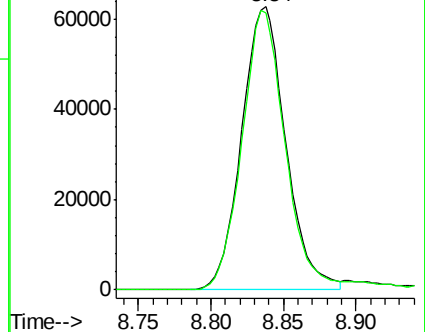
130 100

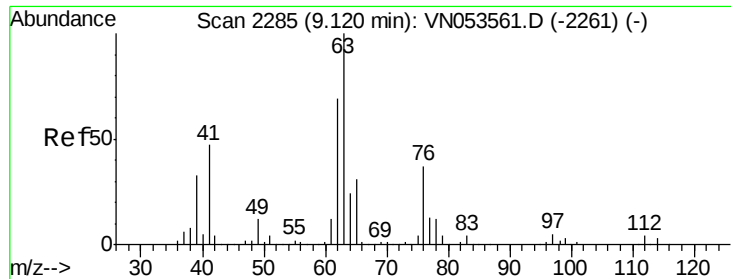
95 97.8 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053759.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN053759.D (-2103) (-)

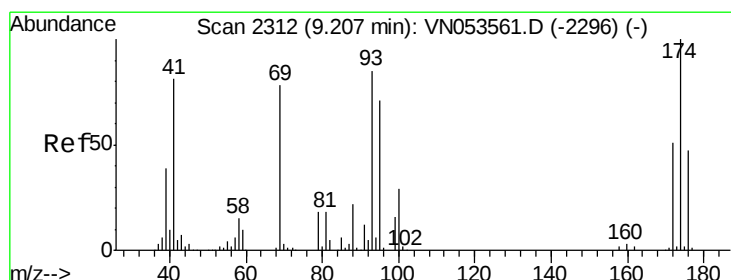
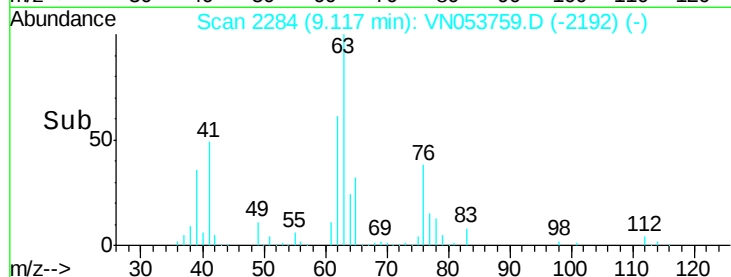
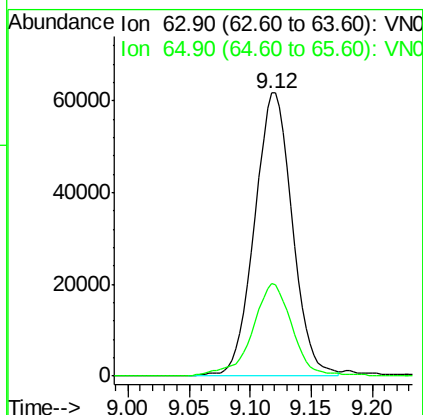
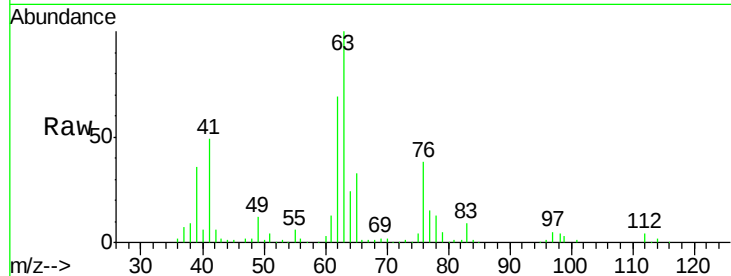




#45
 1,2-Dichloropropane
 Concen: 19.727 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

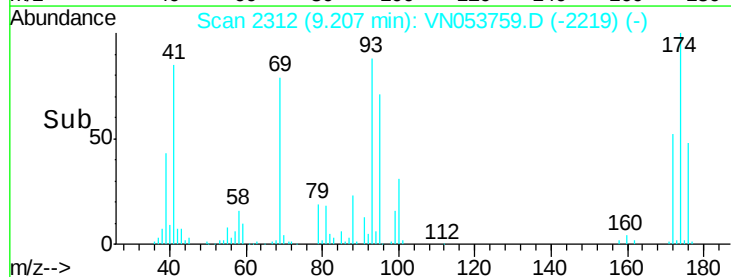
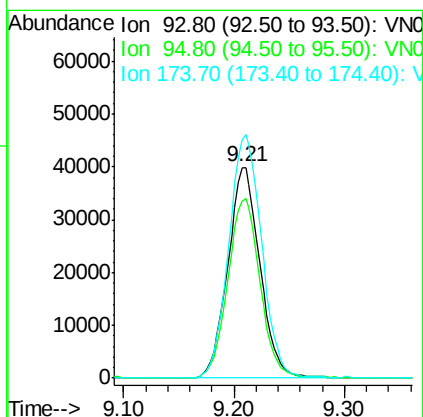
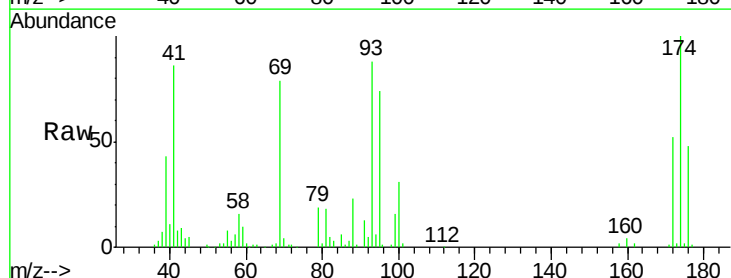
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

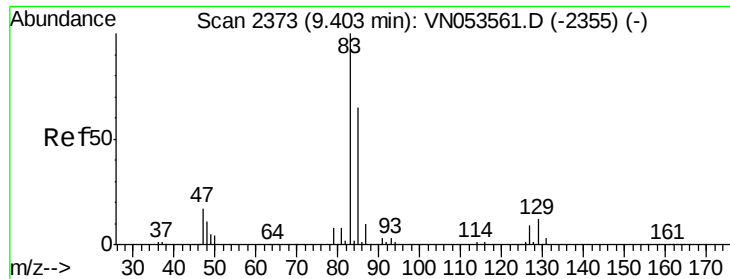
Tot Ion: 63 Resp: 132674
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.4



#46
 Dibromomethane
 Concen: 19.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 93 Resp: 80745
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.3 100.9
 174 118.0 91.0 136.4





#47

Bromodichloromethane

Concen: 19.736 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

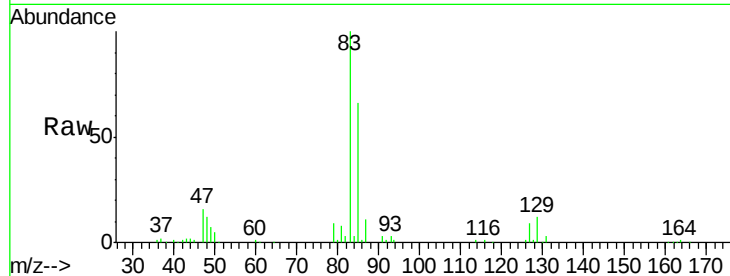
Tot Ion: 83 Resp: 166363

Ion Ratio Lower Upper

83 100

85 66.0 51.0 76.6

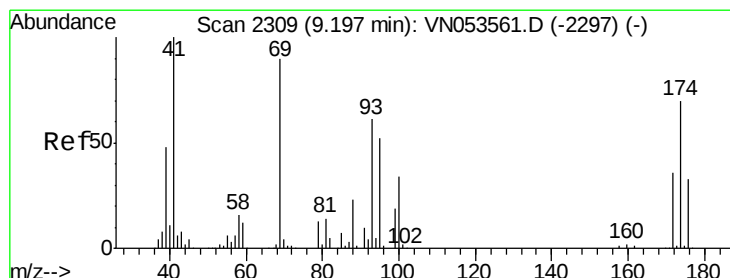
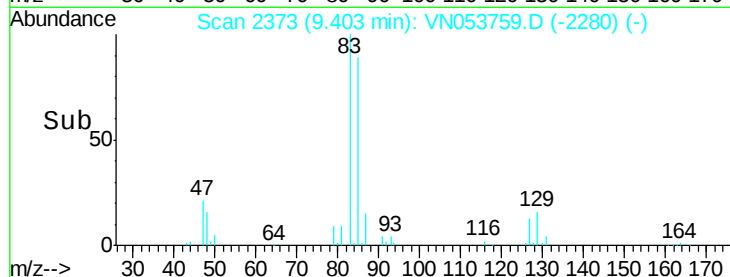
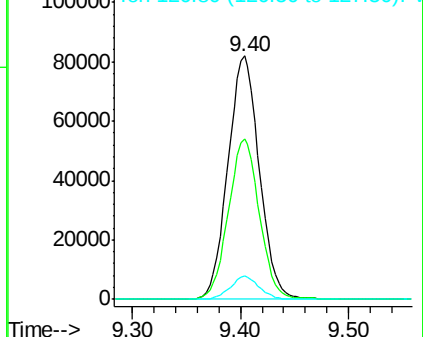
127 9.4 7.0 10.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.516 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

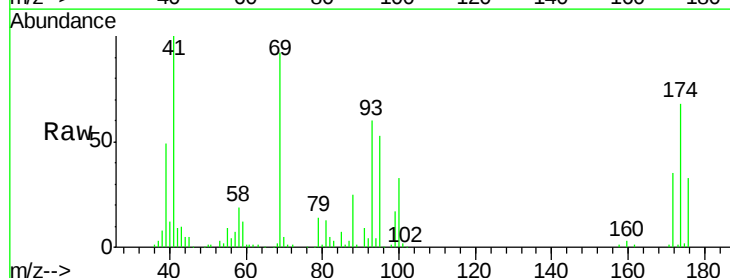
Tgt Ion: 41 Resp: 85675

Ion Ratio Lower Upper

41 100

69 100.8 73.8 110.6

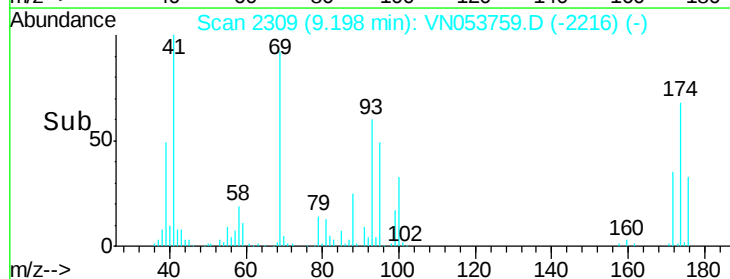
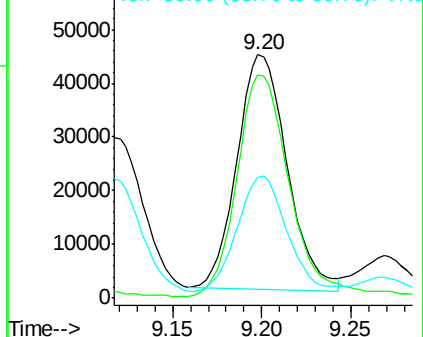
39 54.2 40.0 60.0

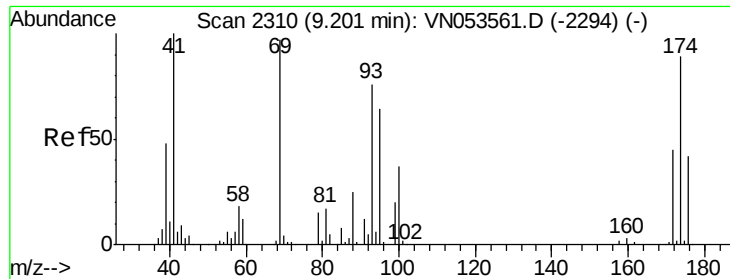


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 428.022 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

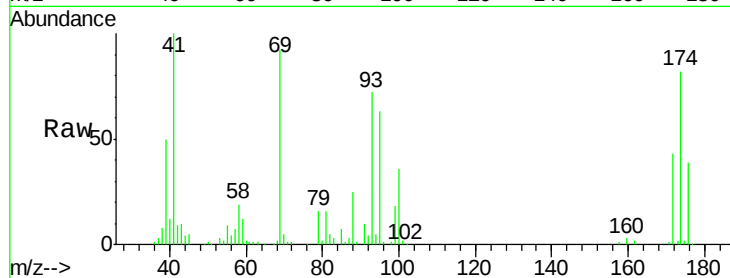
Tot Ion: 88 Resp: 25747

Ion Ratio Lower Upper

88 100

43 30.8 27.8 41.6

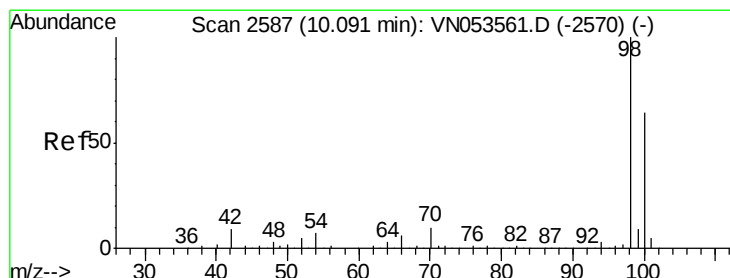
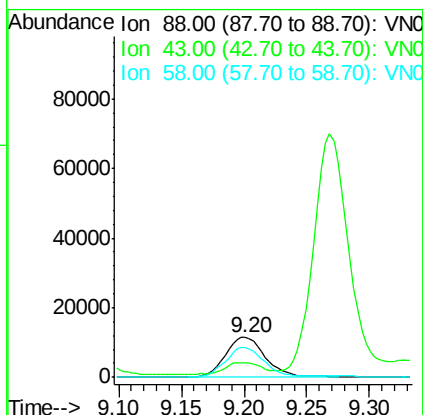
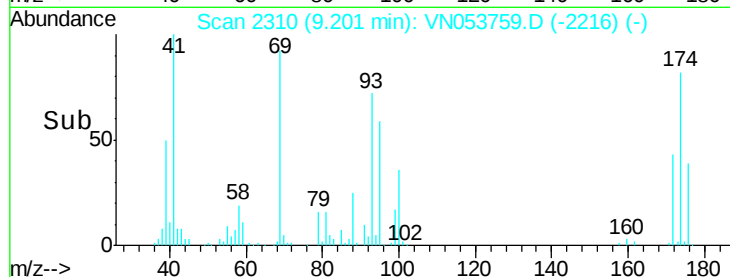
58 72.0 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.152 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053759.D

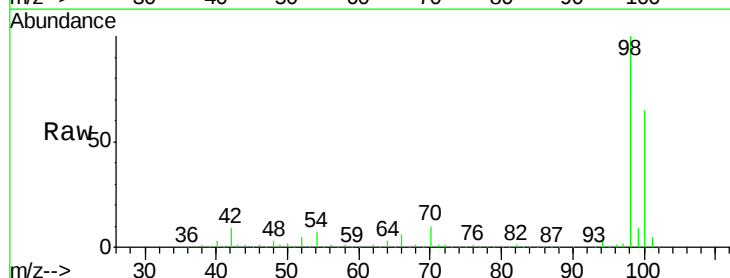
Acq: 13 Feb 2019 17:02

Tgt Ion: 98 Resp: 1147964

Ion Ratio Lower Upper

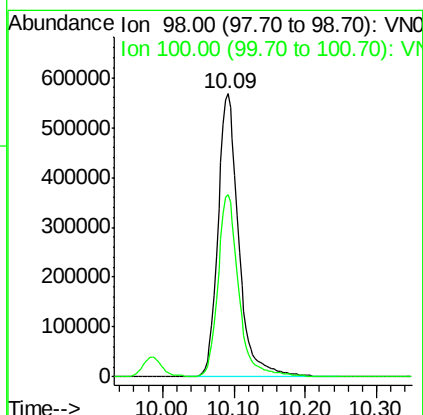
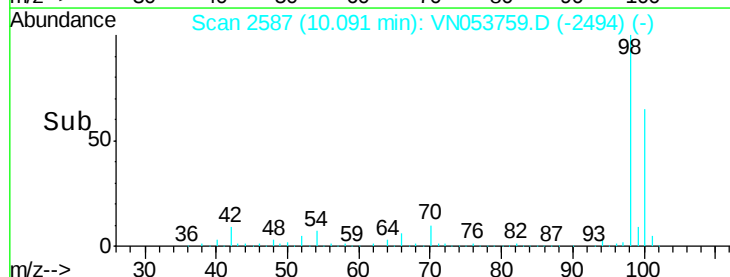
98 100

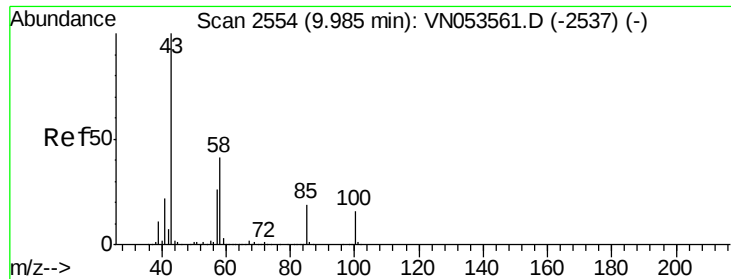
100 64.3 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.795 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleID :

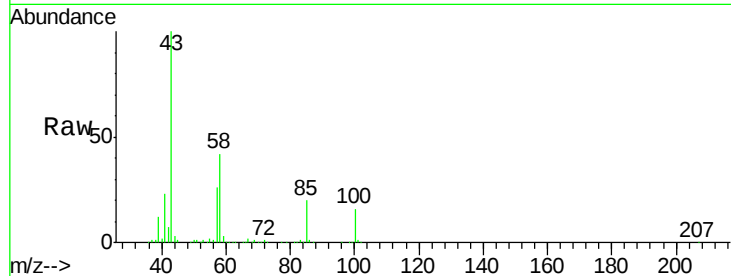
VN0213WBSD01

Tot Ion: 43 Resp: 491687

Ion Ratio Lower Upper

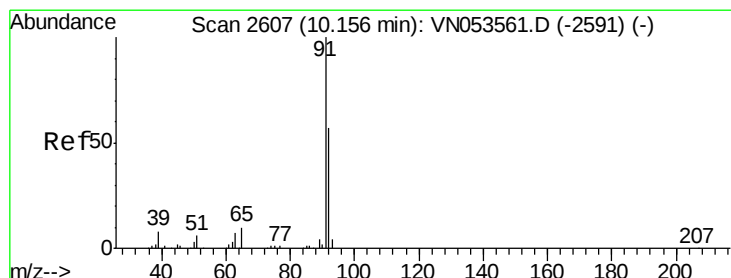
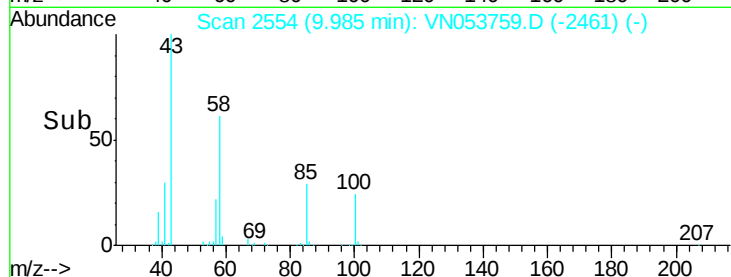
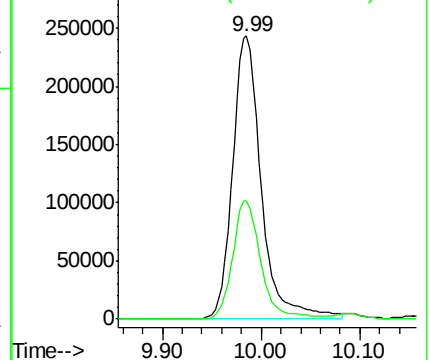
43 100

58 41.4 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053759.D

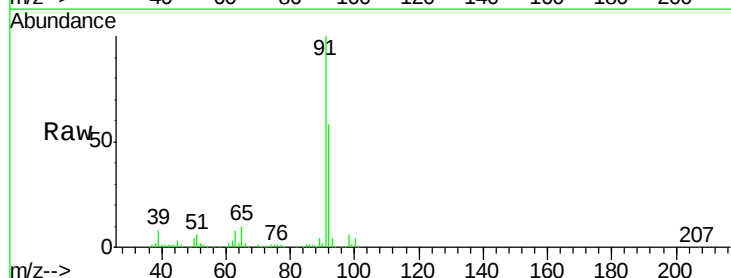
Acq: 13 Feb 2019 17:02

Tgt Ion: 92 Resp: 303585

Ion Ratio Lower Upper

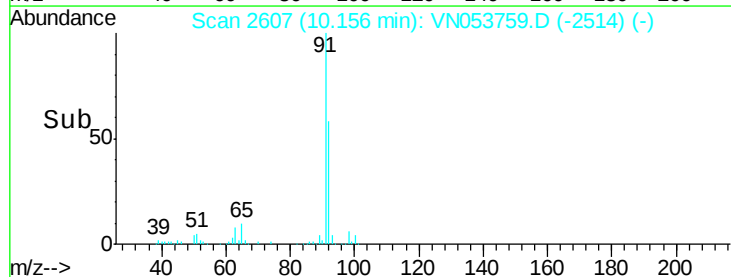
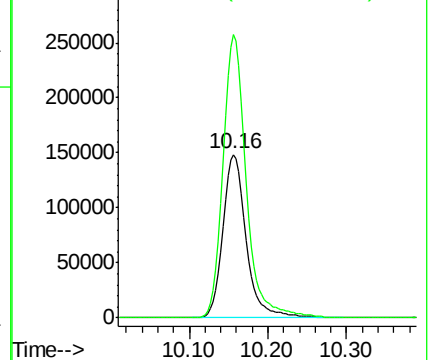
92 100

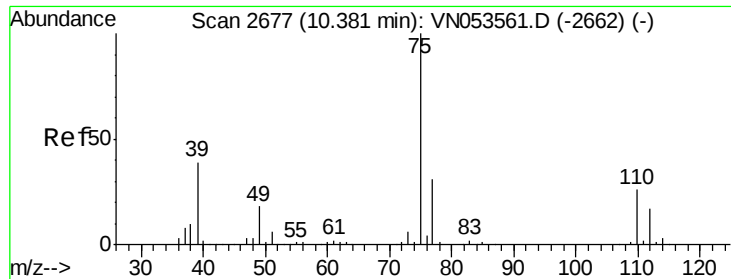
91 172.7 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.820 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

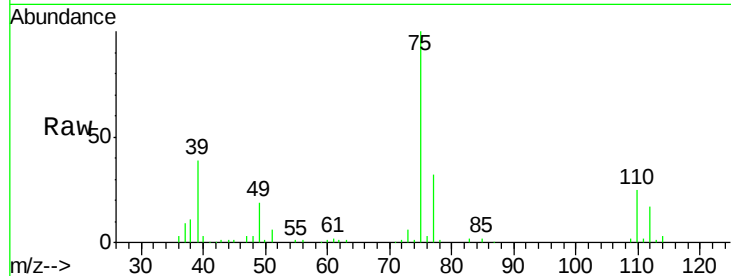
VN0213WBSD01

Tot Ion: 75 Resp: 158853

Ion Ratio Lower Upper

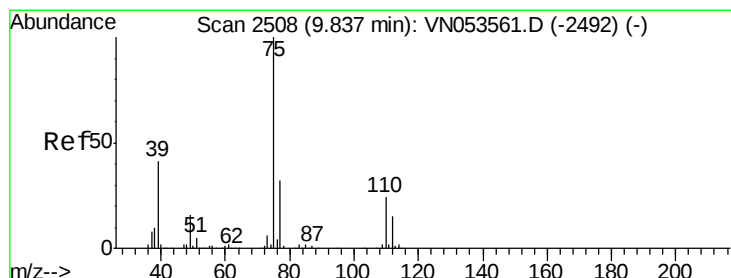
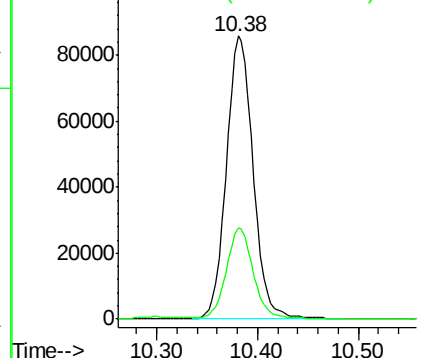
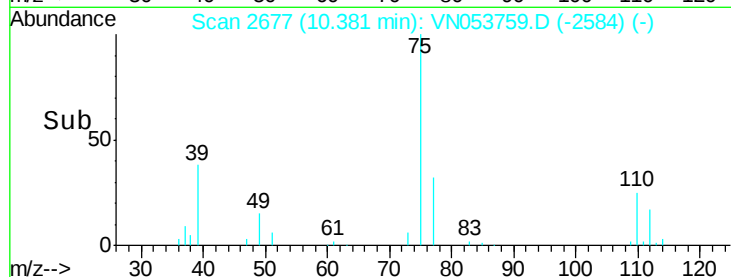
75 100

77 32.1 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: 18.841 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

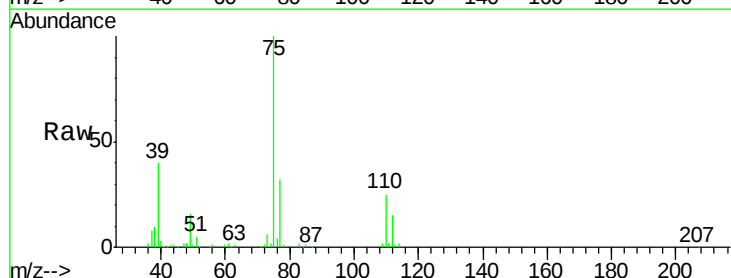
Tgt Ion: 75 Resp: 188457

Ion Ratio Lower Upper

75 100

77 31.8 25.8 38.6

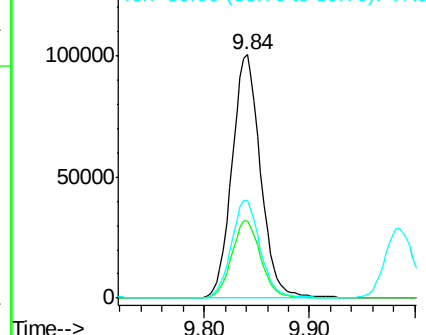
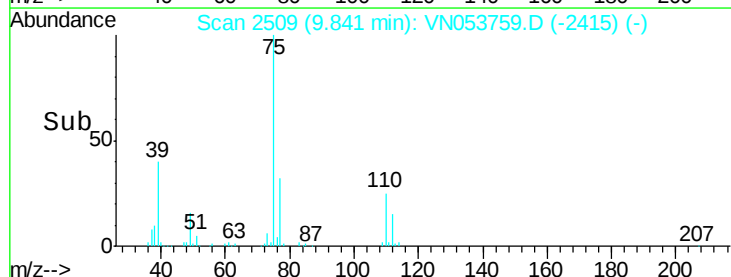
39 40.0 33.4 50.0

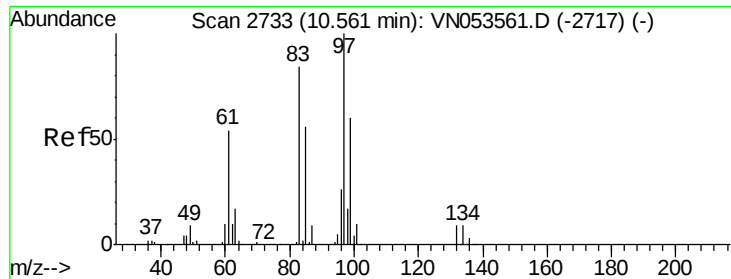


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



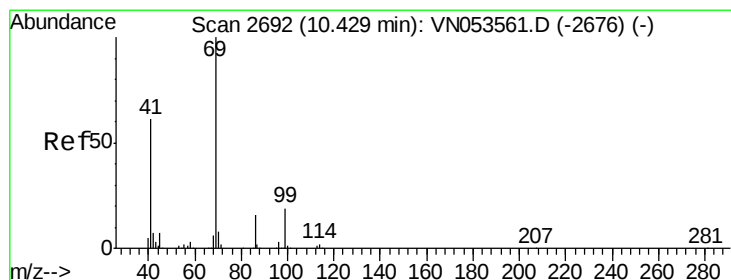
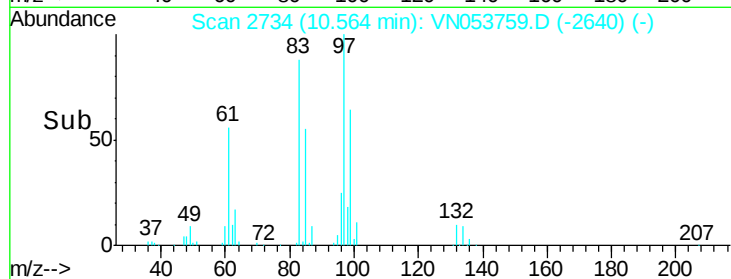
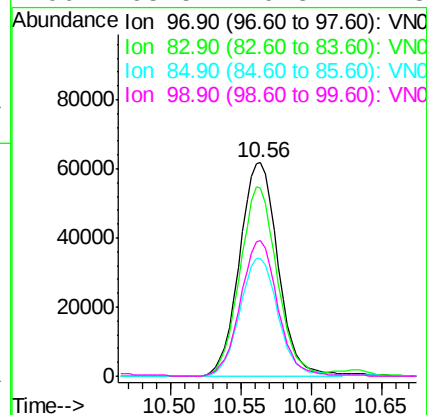
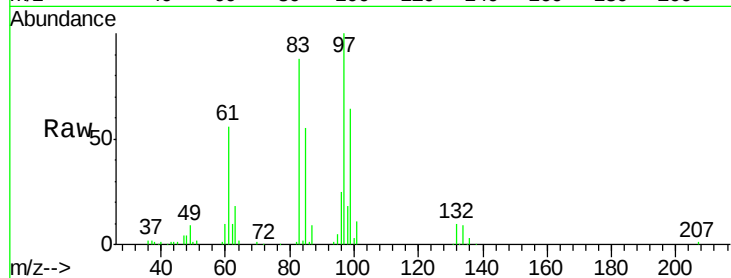


#55
 1,1,2-Trichloroethane
 Concen: 21.007 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

Tot Ion: 97 Resp: 118130

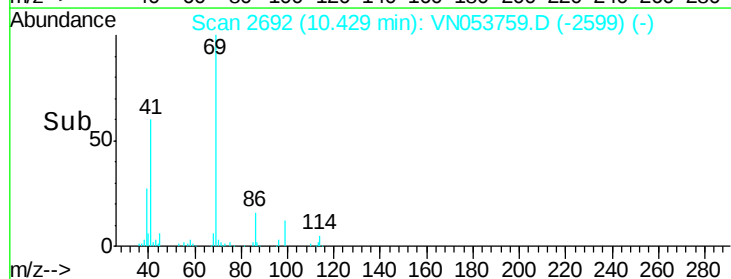
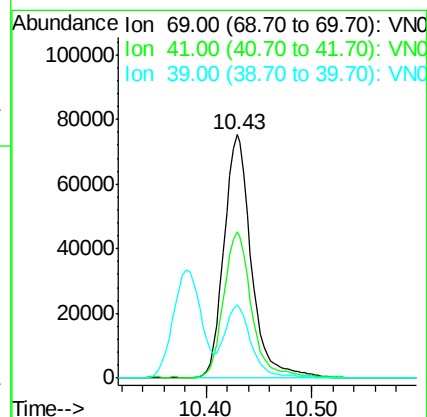
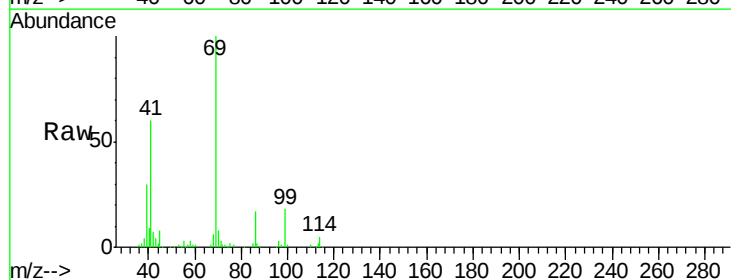
Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.1	105.1
85	55.1	45.4	68.0
99	63.5	49.8	74.8

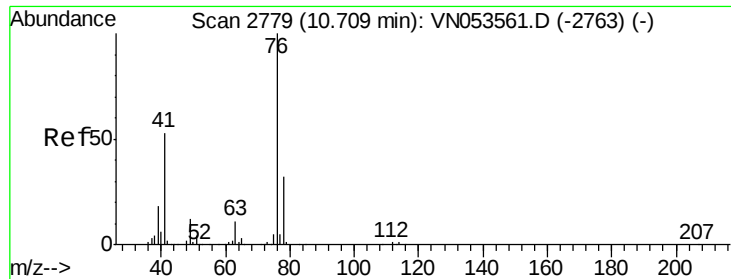


#56
 Ethyl methacrylate
 Concen: 20.341 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 69 Resp: 135314

Ion	Ratio	Lower	Upper
69	100		
41	60.6	49.4	74.0
39	29.9	23.3	34.9

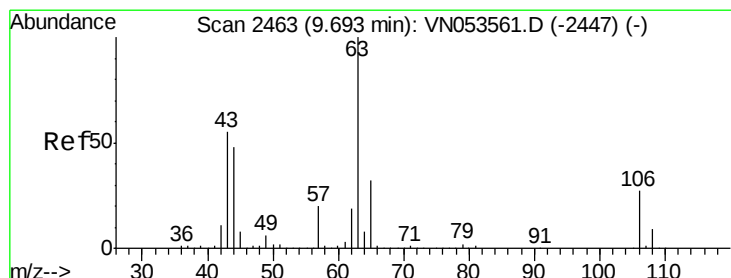
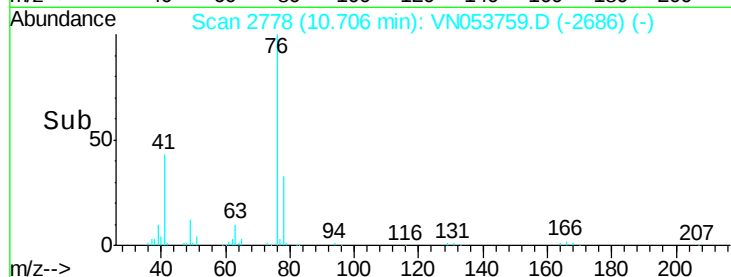
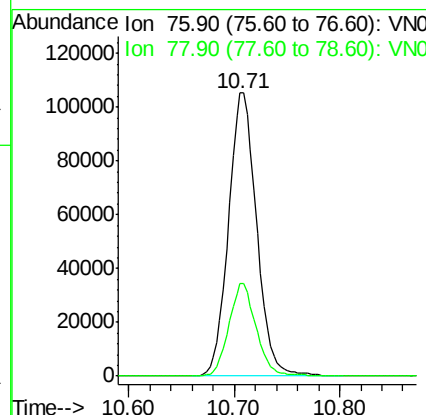
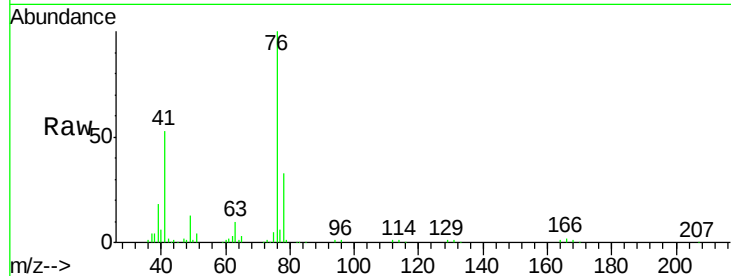




#57
 1,3-Dichloropropane
 Concen: 20.189 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

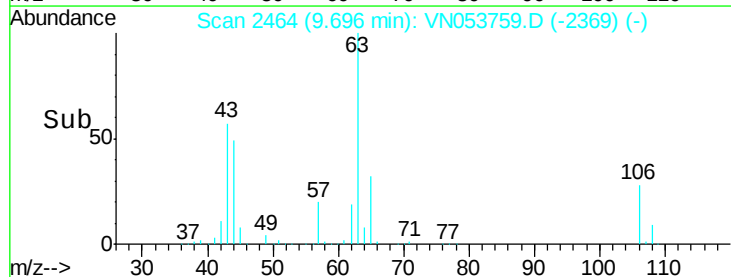
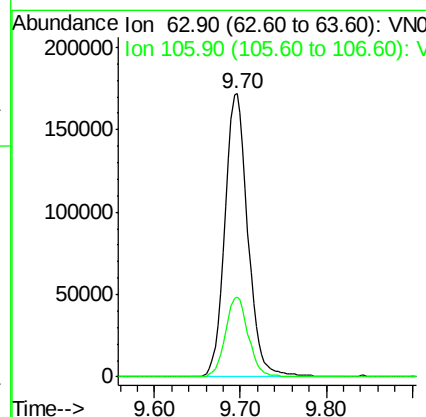
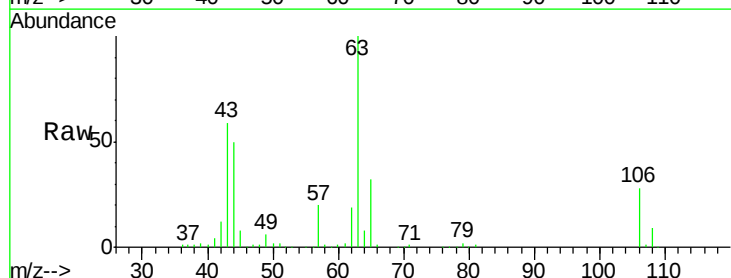
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

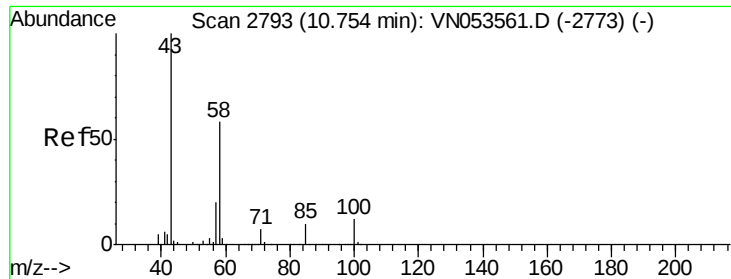
Tot Ion: 76 Resp: 194034
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.217 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion: 63 Resp: 320554
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.5 32.3

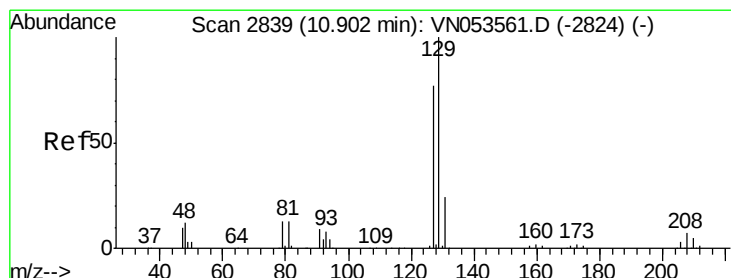
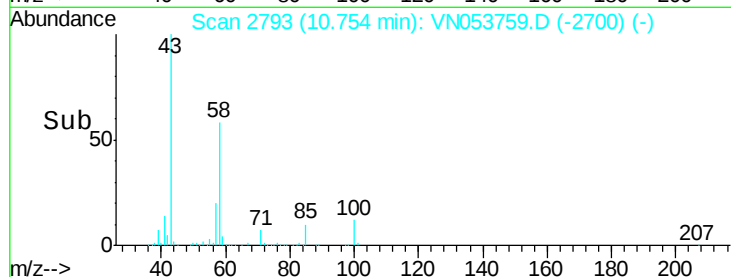
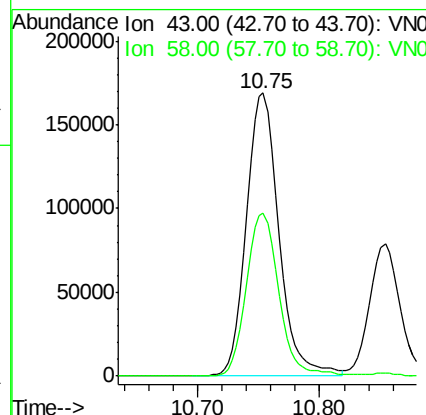
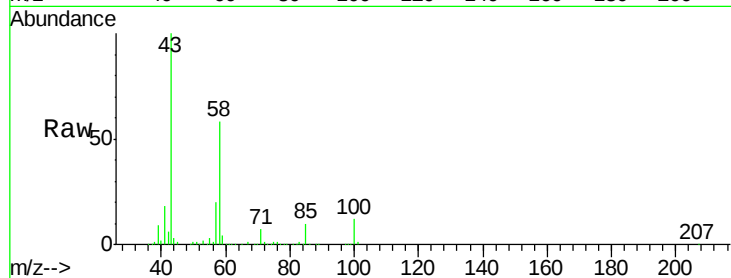




#59
2-Hexanone
Concen: 100.670 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

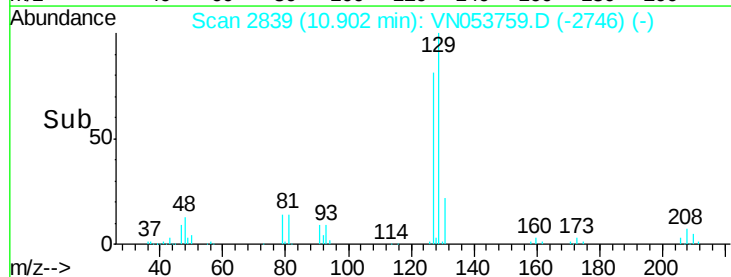
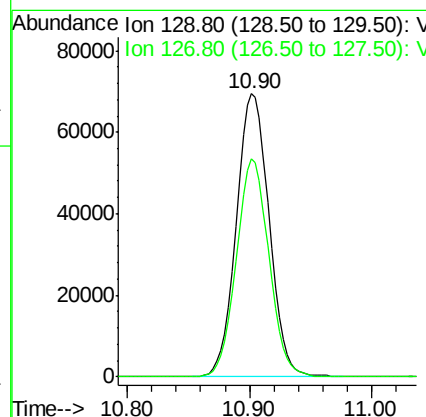
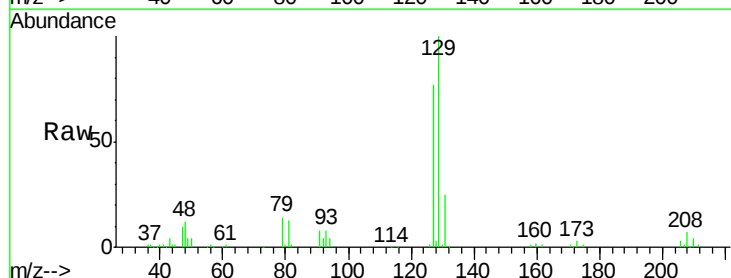
Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

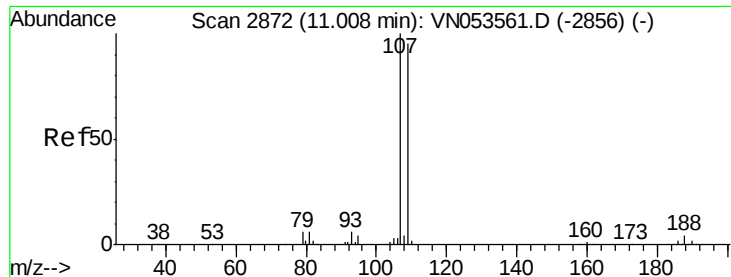
Tot Ion: 43 Resp: 308865
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8



#60
Dibromochloromethane
Concen: 20.392 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 129 Resp: 129313
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.203 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

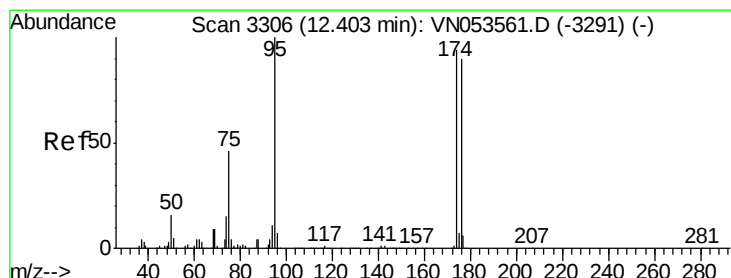
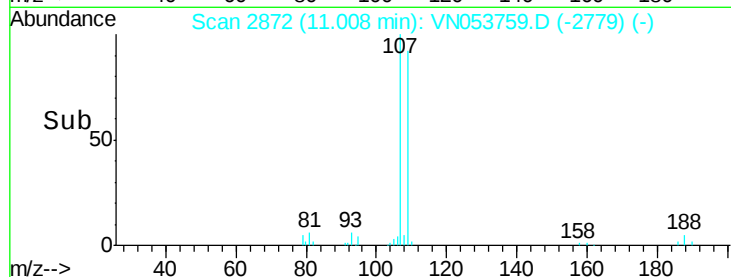
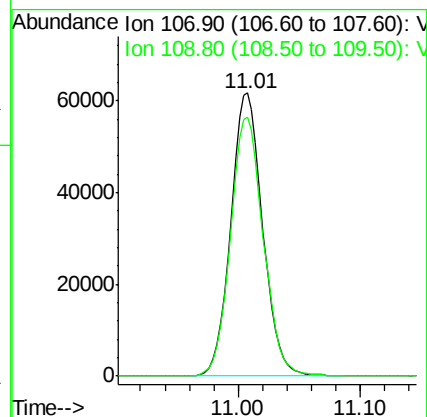
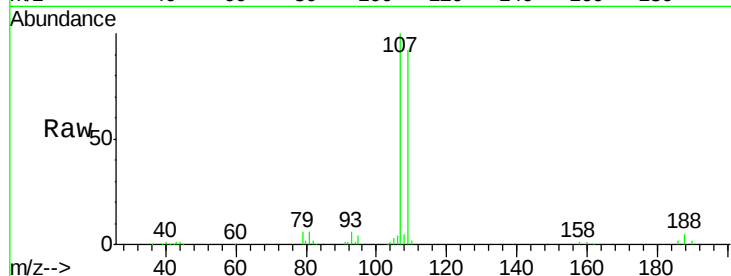
VN0213WBSD01

Tot Ion:107 Resp: 112447

Ion Ratio Lower Upper

107 100

109 94.2 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 50.493 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

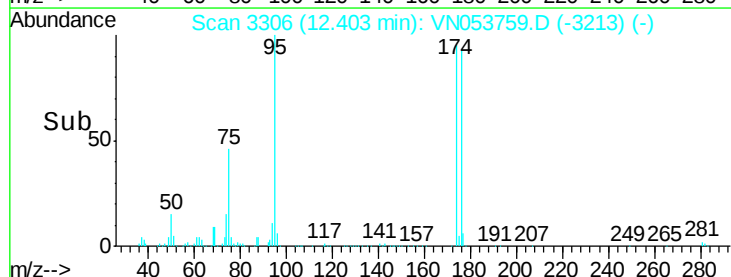
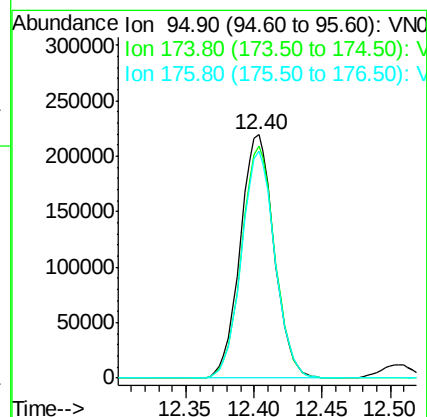
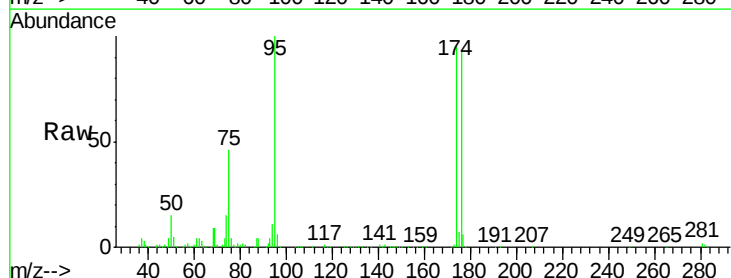
Tgt Ion: 95 Resp: 377934

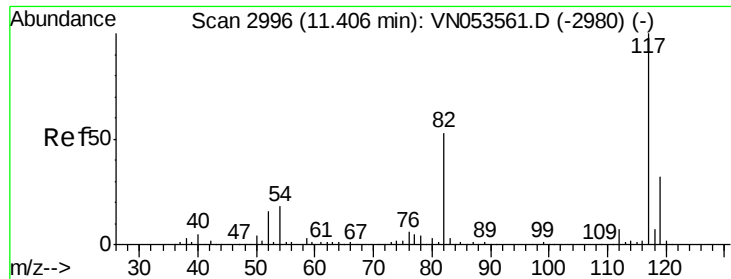
Ion Ratio Lower Upper

95 100

174 93.9 0.0 183.2

176 91.8 0.0 177.4

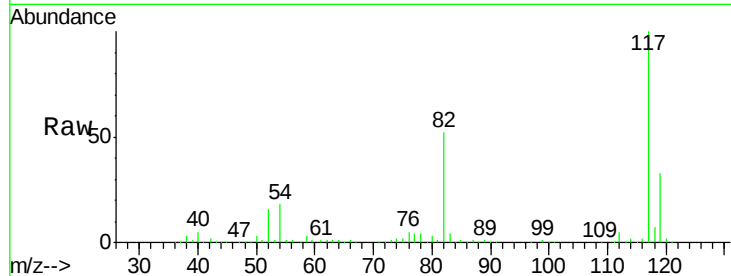




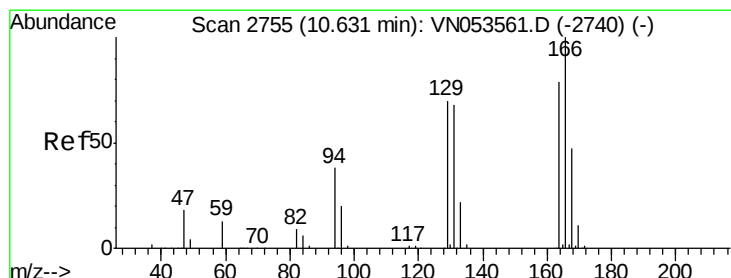
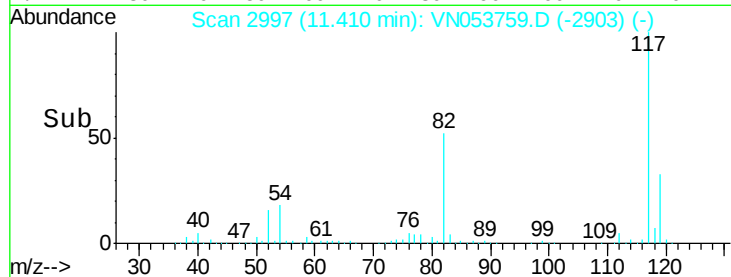
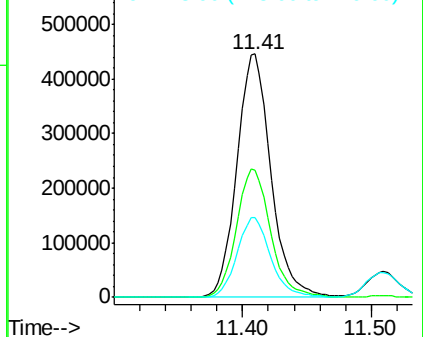
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0213WBSD01

Tot Ion:117 Resp: 819137
Ion Ratio Lower Upper
117 100
82 52.3 42.9 64.3
119 32.6 26.0 39.0

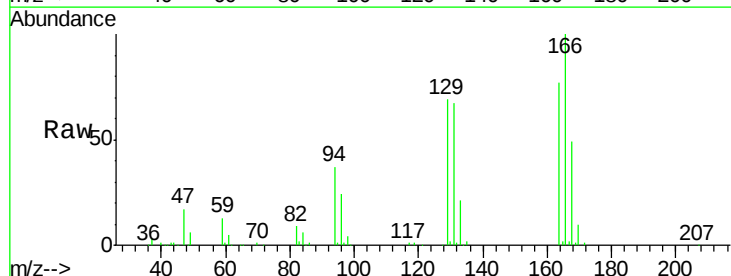


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

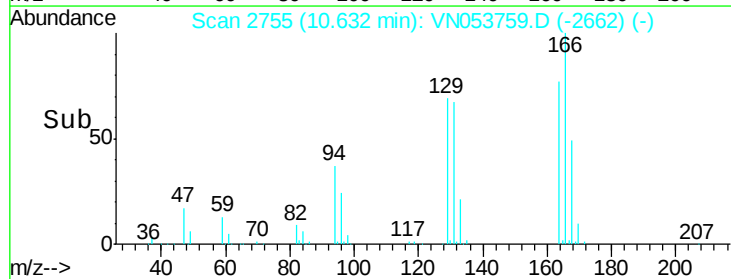
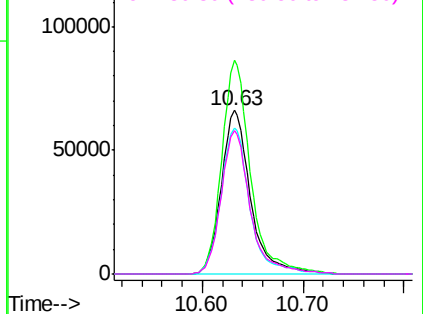


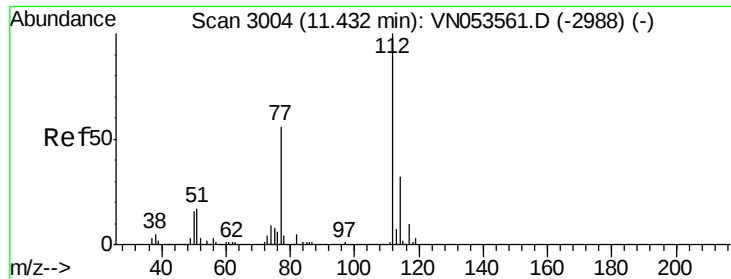
#64
Tetrachloroethene
Concen: 19.141 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion:164 Resp: 134402
Ion Ratio Lower Upper
164 100
166 130.7 102.2 153.4
129 89.6 72.6 109.0
131 87.4 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: 19.288 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

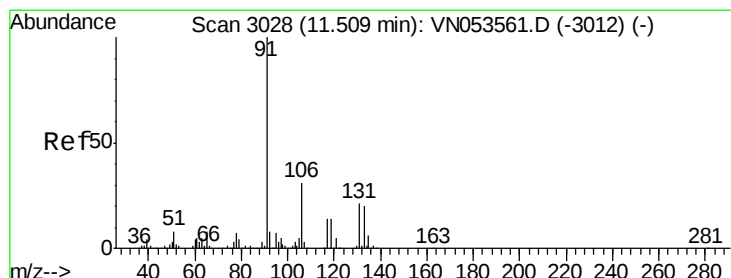
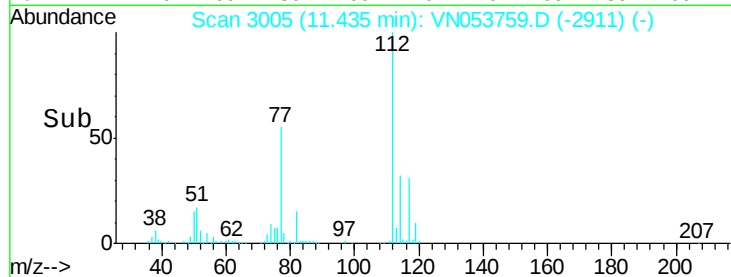
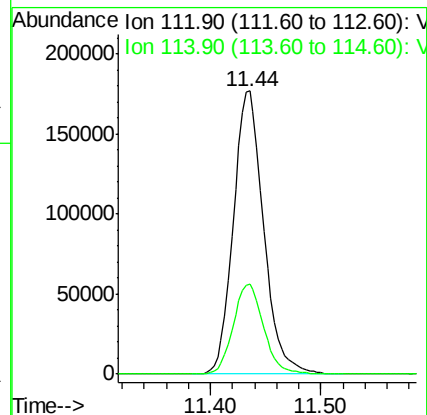
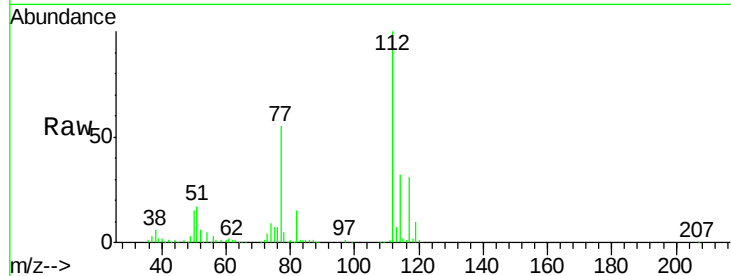
VN0213WBSD01

Tot Ion:112 Resp: 335607

Ion Ratio Lower Upper

112 100

114 31.7 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 20.254 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

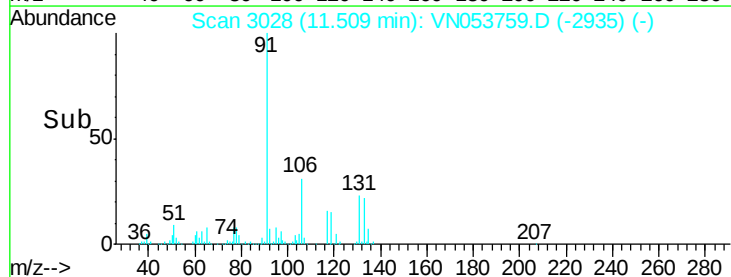
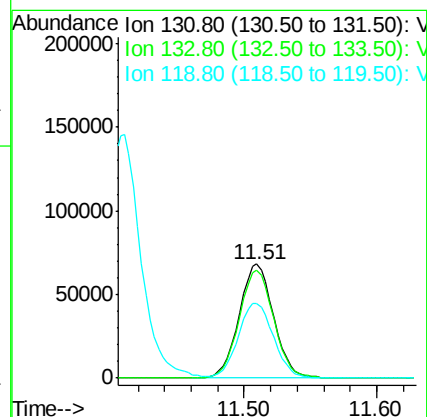
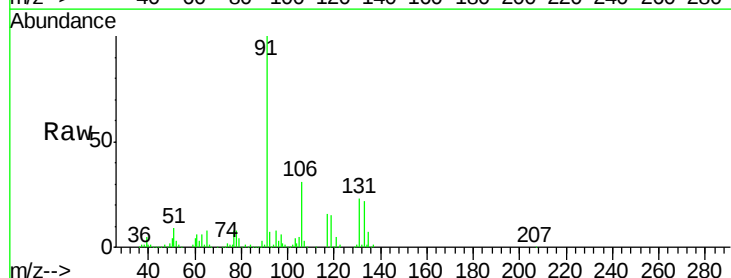
Tgt Ion:131 Resp: 123073

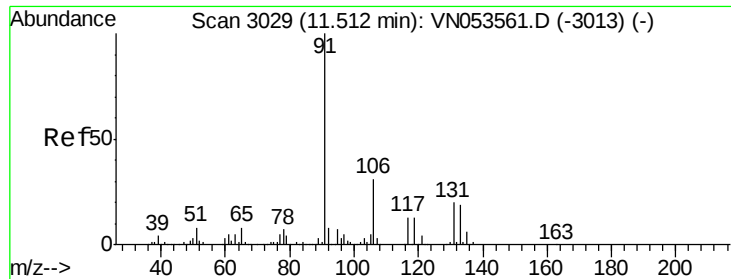
Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.0

119 67.7 33.5 100.5

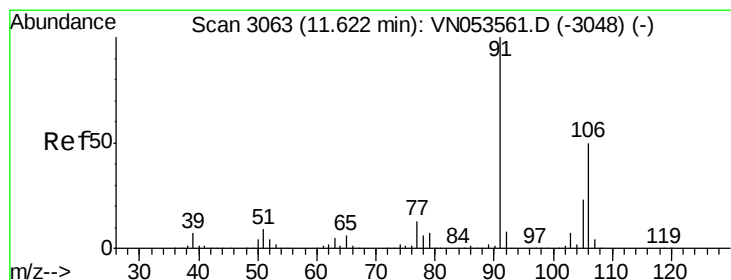
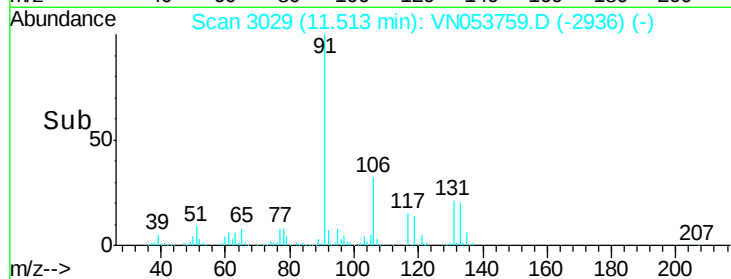
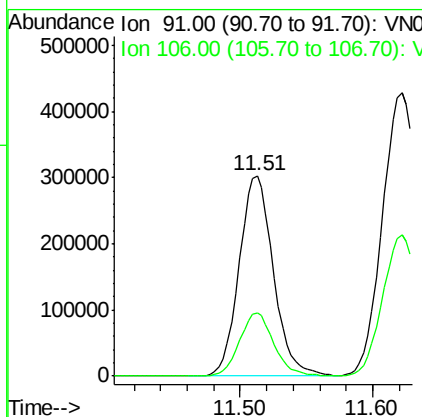
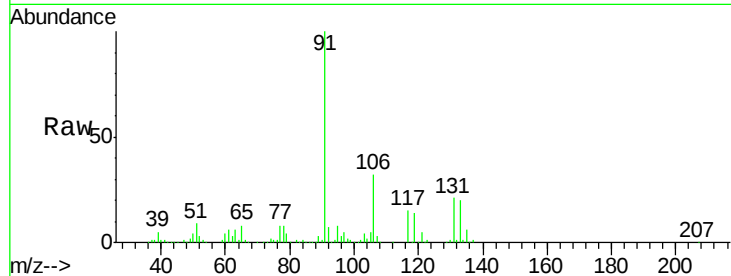




#67
Ethyl Benzene
Concen: 19.013 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

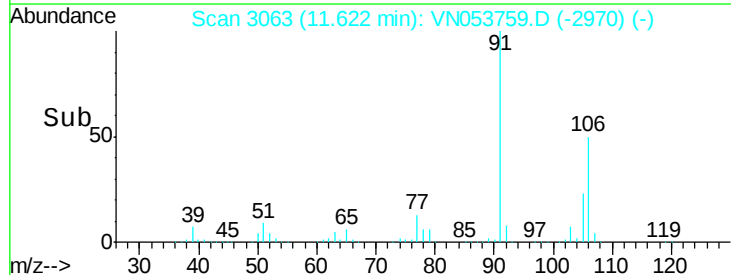
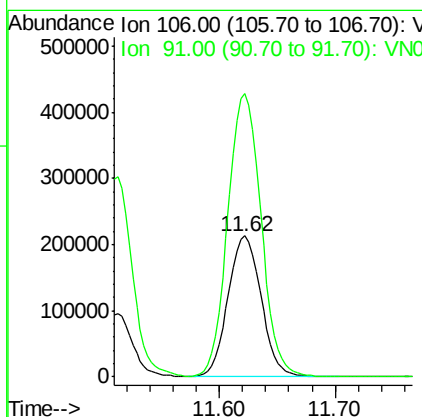
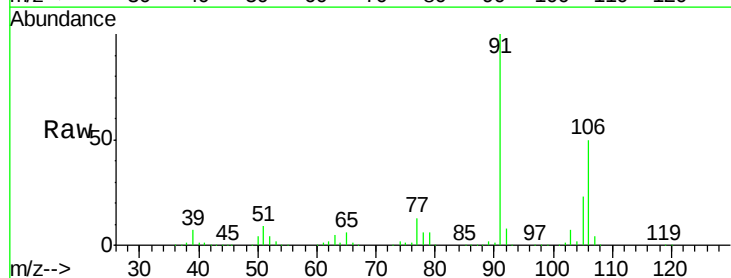
Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

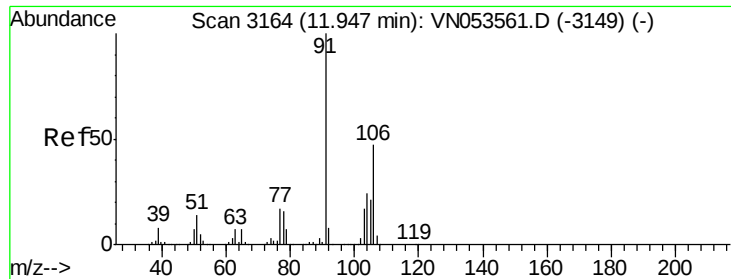
Tot Ion: 91 Resp: 543434
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 38.933 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion: 106 Resp: 424704
Ion Ratio Lower Upper
106 100
91 201.1 161.4 242.2

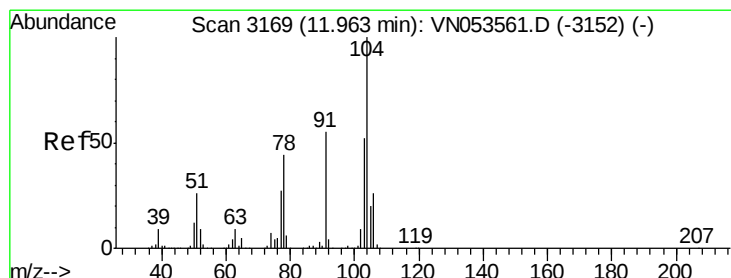
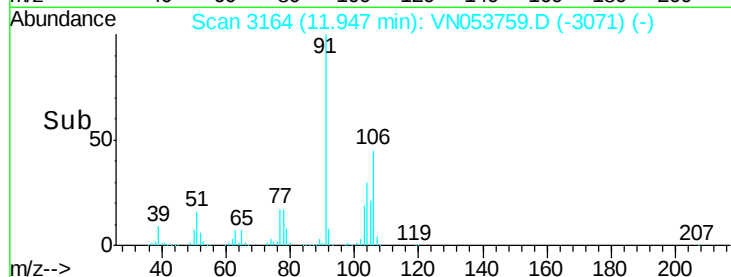
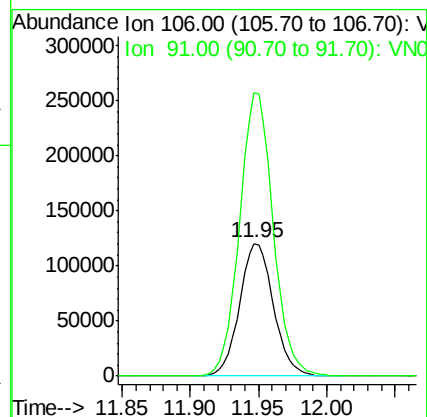
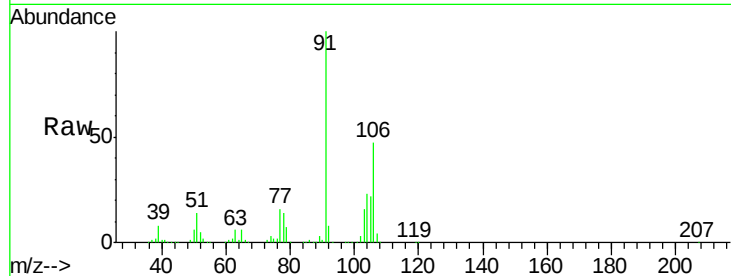




#69
o-Xylene
Concen: 19.648 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

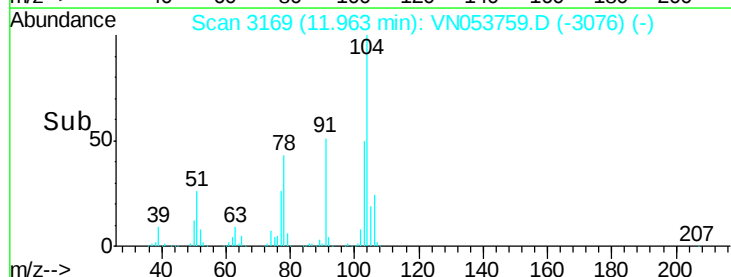
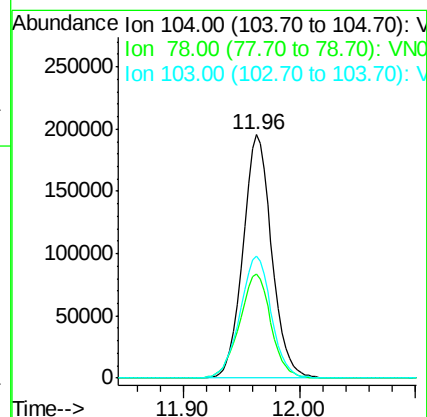
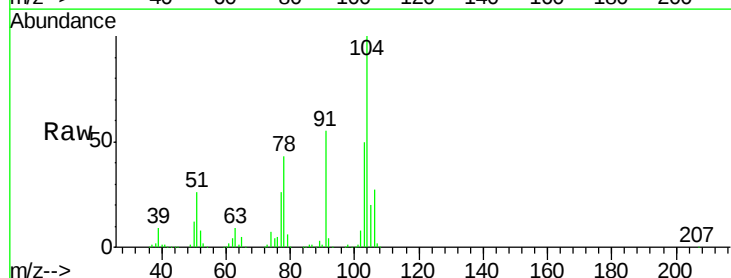
Instrument :
MSVOA_N
ClientSampled :
VN0213WBSD01

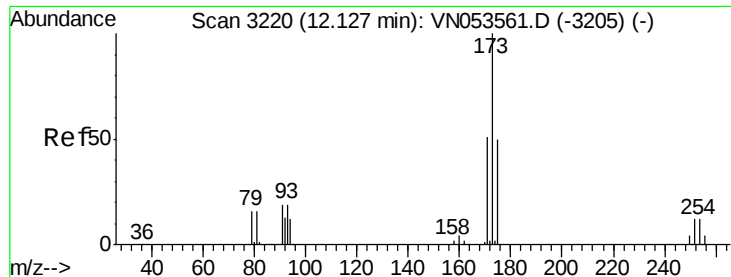
Tot Ion:106 Resp: 207068
Ion Ratio Lower Upper
106 100
91 212.0 106.9 320.8



#70
Styrene
Concen: 19.616 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053759.D
Acq: 13 Feb 2019 17:02

Tgt Ion:104 Resp: 335075
Ion Ratio Lower Upper
104 100
78 46.8 38.2 57.2
103 54.4 44.4 66.6





#71

Bromoform

Concen: 21.242 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

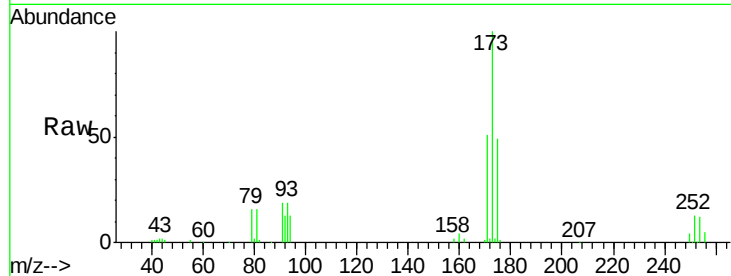
Tot Ion:173 Resp: 88494

Ion Ratio Lower Upper

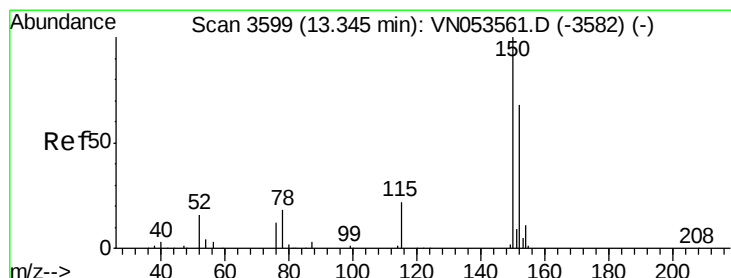
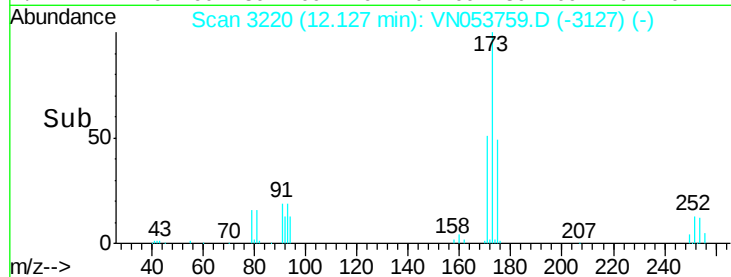
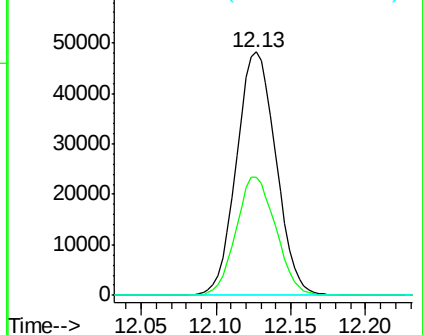
173 100

175 49.0 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

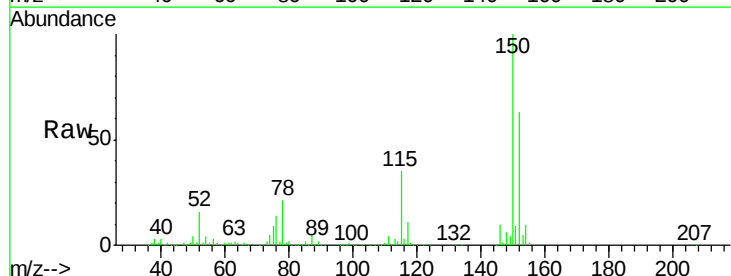
Tgt Ion:152 Resp: 378375

Ion Ratio Lower Upper

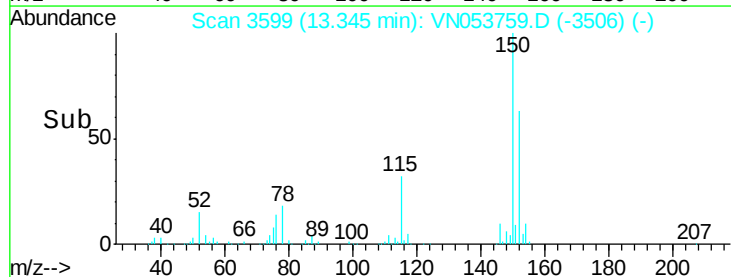
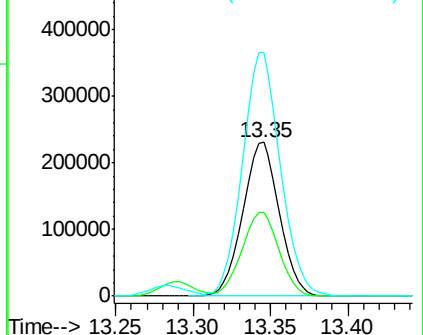
152 100

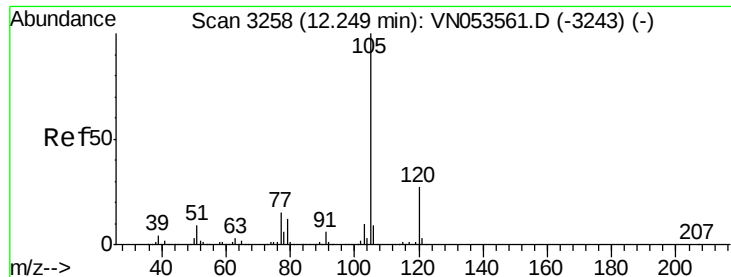
115 55.6 27.8 83.4

150 164.8 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: 20.666 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

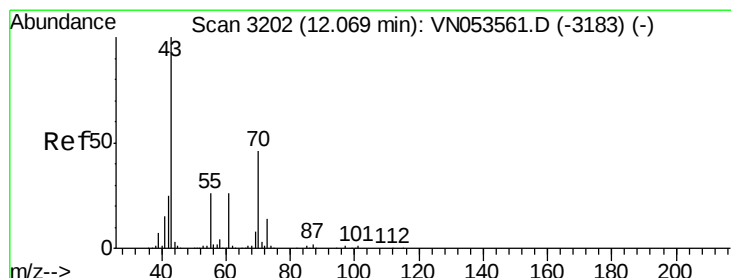
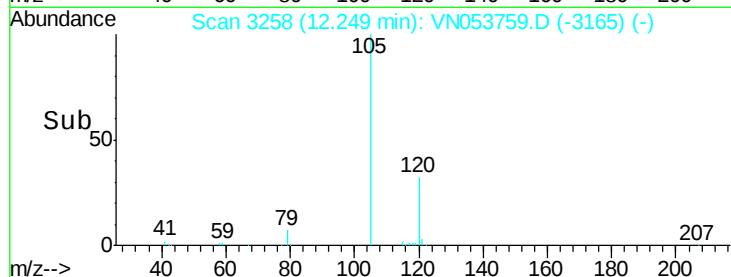
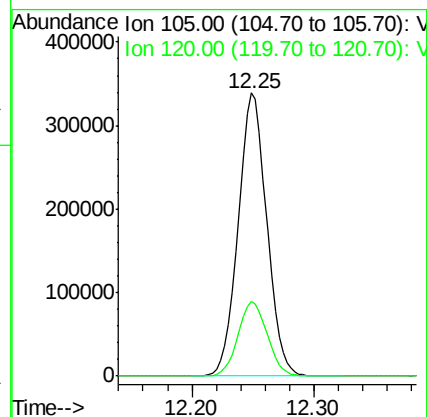
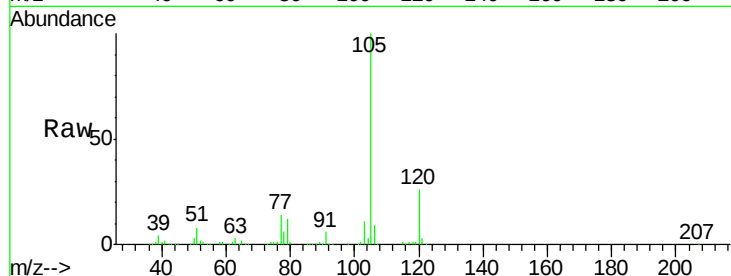
VN0213WBSD01

Tot Ion:105 Resp: 549710

Ion Ratio Lower Upper

105 100

120 26.9 13.6 40.7



#74

N-ethyl acetate

Concen: 21.462 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Tgt Ion: 43 Resp: 137275

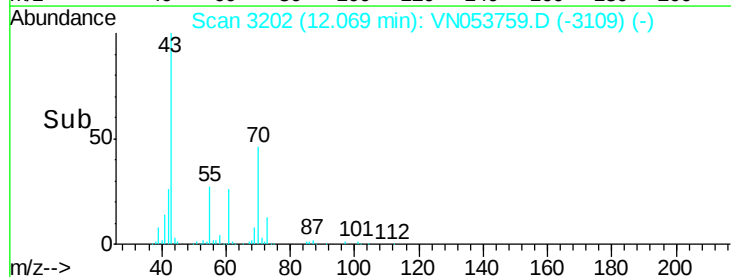
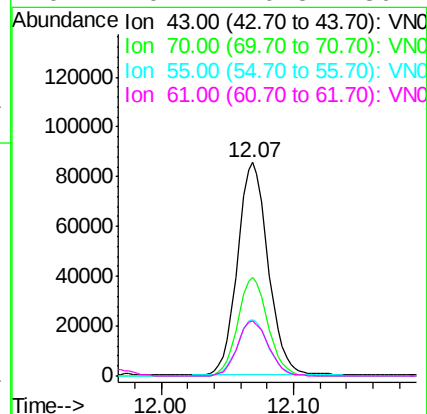
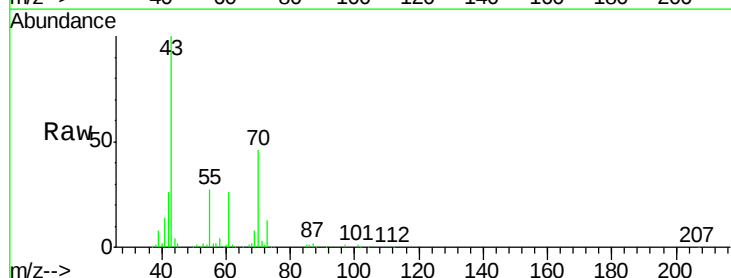
Ion Ratio Lower Upper

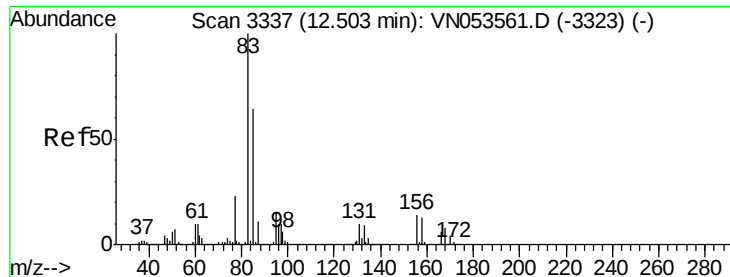
43 100

70 45.8 35.4 53.2

55 26.6 20.9 31.3

61 26.2 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.698 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

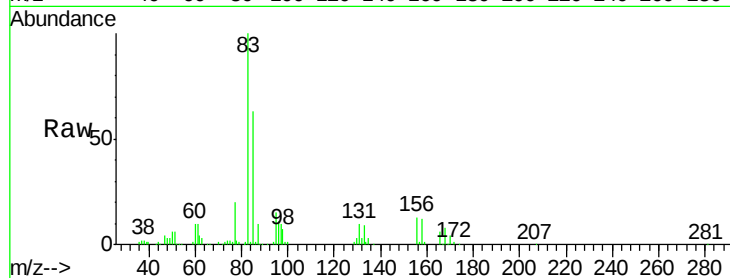
Tot Ion: 83 Resp: 138124

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

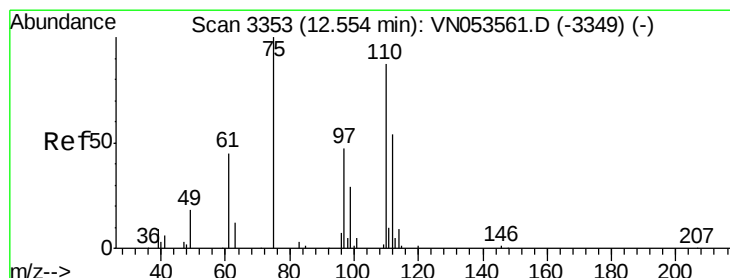
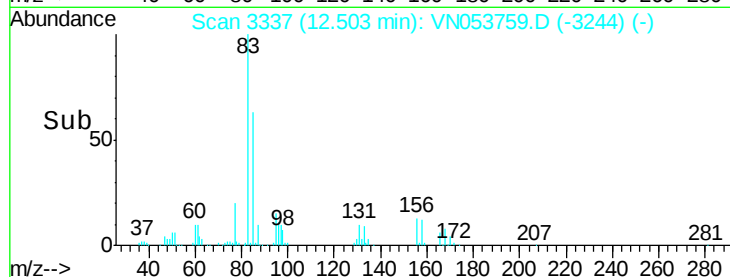
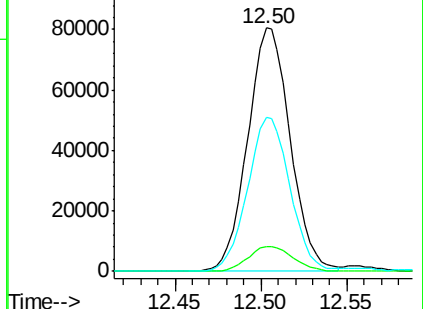
85 62.8 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053759.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN053759.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN053759.D (-3244) (-)



#76

1,2,3-Trichloropropane

Concen: 33.938 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053759.D

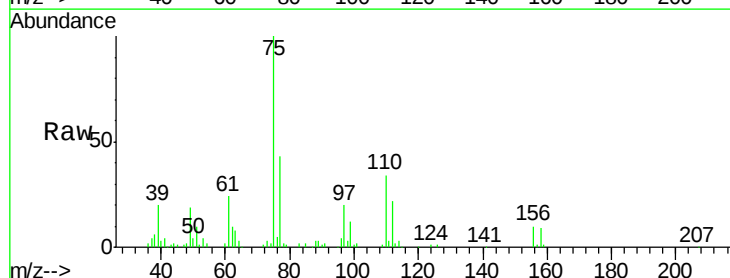
Acq: 13 Feb 2019 17:02

Tgt Ion: 75 Resp: 164939

Ion Ratio Lower Upper

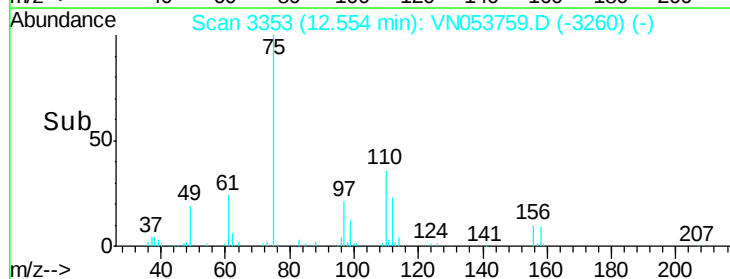
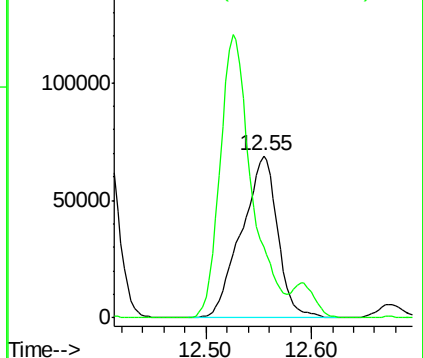
75 100

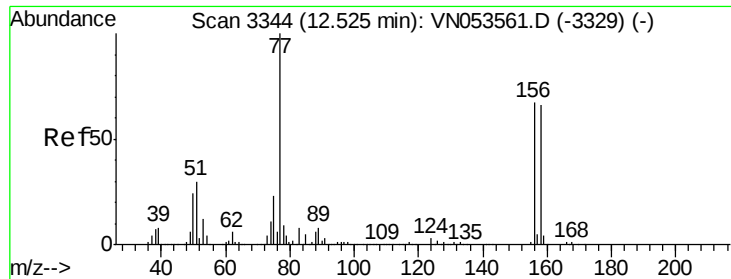
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053759.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN053759.D (-3260) (-)





#77

Bromobenzene

Concen: 20.556 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

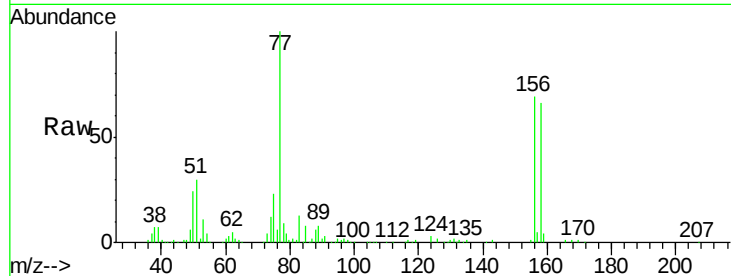
Tot Ion:156 Resp: 147362

Ion Ratio Lower Upper

156 100

77 170.1 87.9 263.8

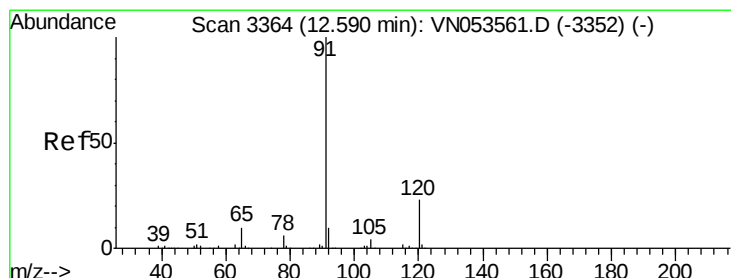
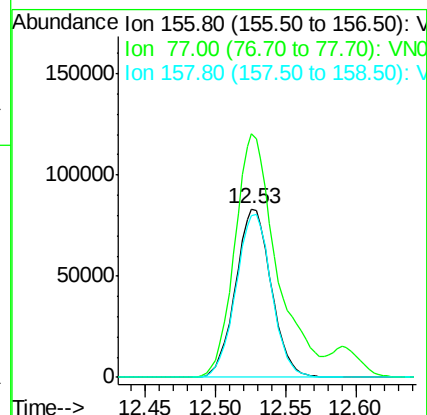
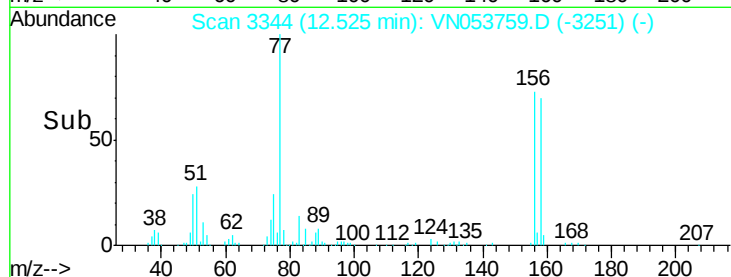
158 96.8 48.8 146.4



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: 19.989 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053759.D

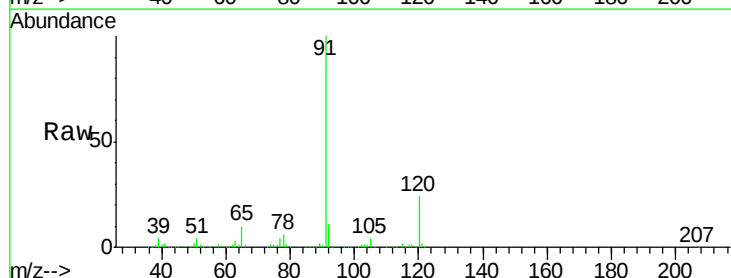
Acq: 13 Feb 2019 17:02

Tgt Ion: 91 Resp: 614634

Ion Ratio Lower Upper

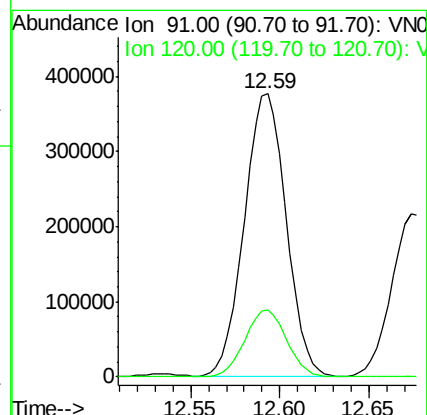
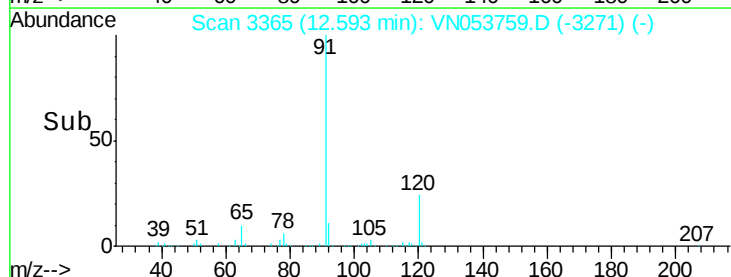
91 100

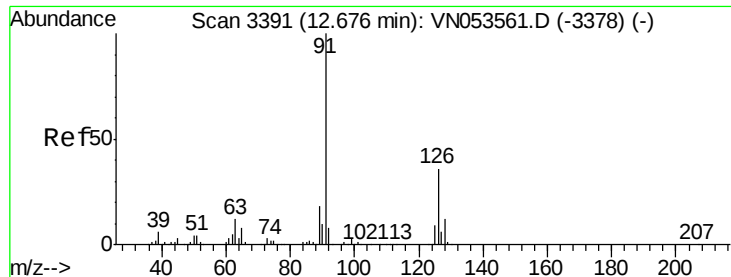
120 23.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.354 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

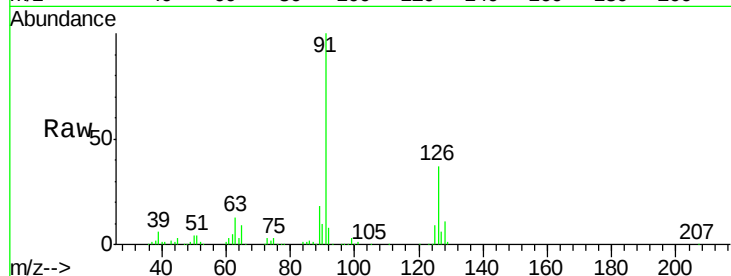
VN0213WBSD01

Tot Ion: 91 Resp: 371312

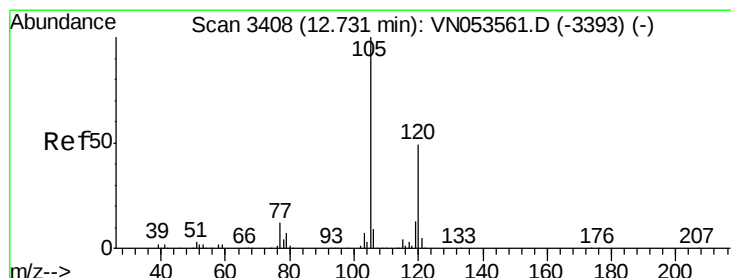
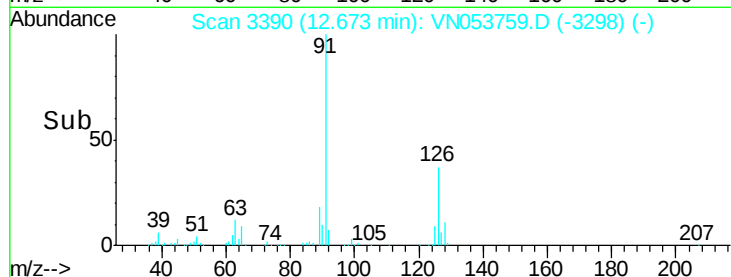
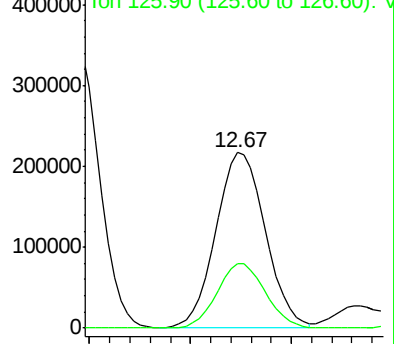
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053759.D (-3298) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.866 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053759.D

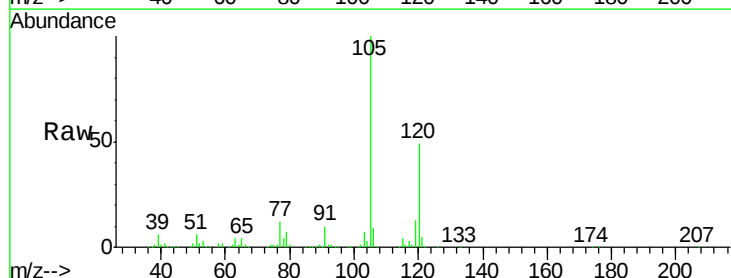
Acq: 13 Feb 2019 17:02

Tgt Ion: 105 Resp: 460244

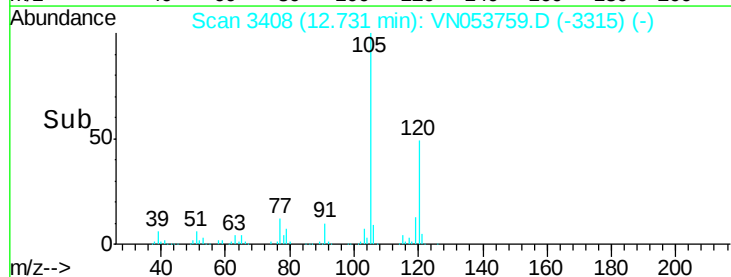
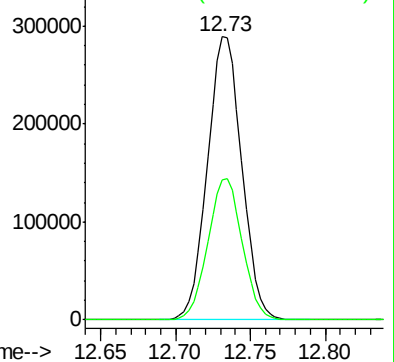
Ion Ratio Lower Upper

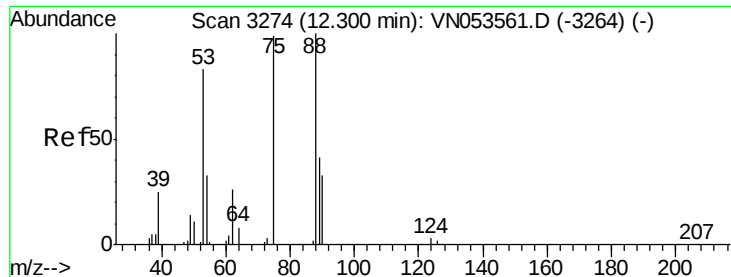
105 100

120 50.1 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053759.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.740 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

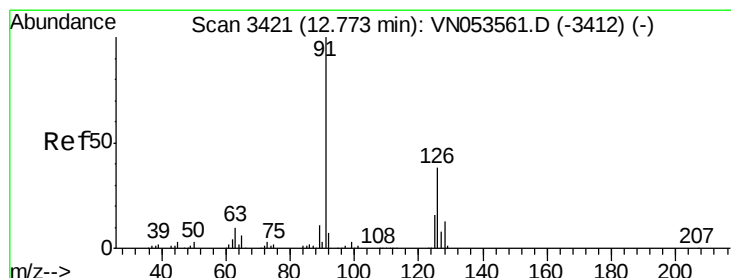
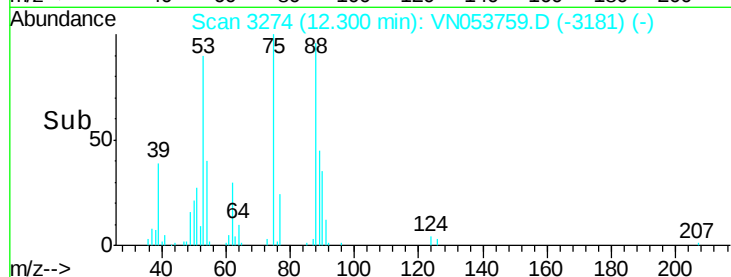
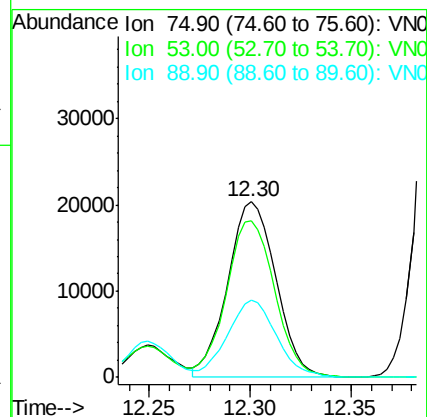
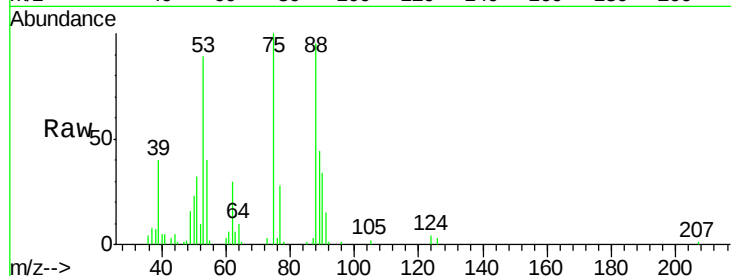
Tot Ion: 75 Resp: 34117

Ion Ratio Lower Upper

75 100

53 90.1 69.8 104.6

89 44.7 35.6 53.4



#82

4-Chlorotoluene

Concen: 19.940 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053759.D

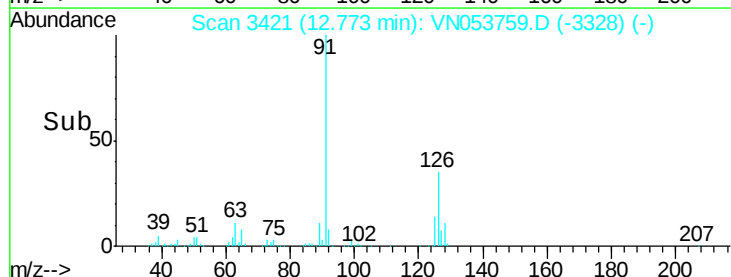
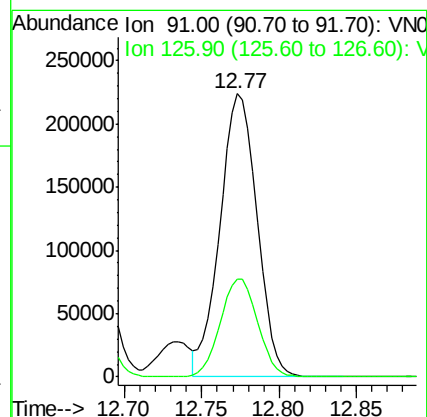
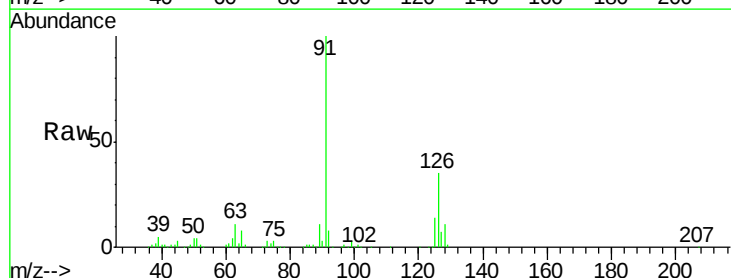
Acq: 13 Feb 2019 17:02

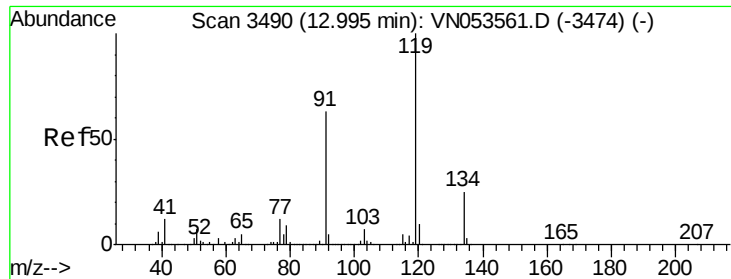
Tgt Ion: 91 Resp: 373261

Ion Ratio Lower Upper

91 100

126 34.8 17.6 52.9

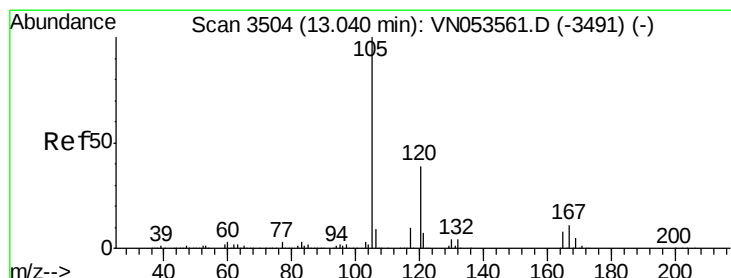
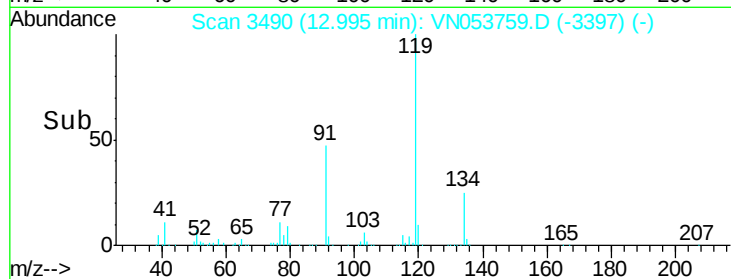
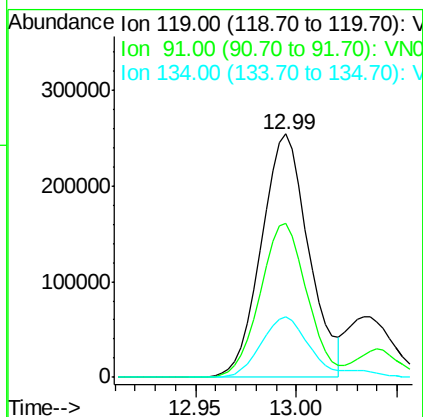
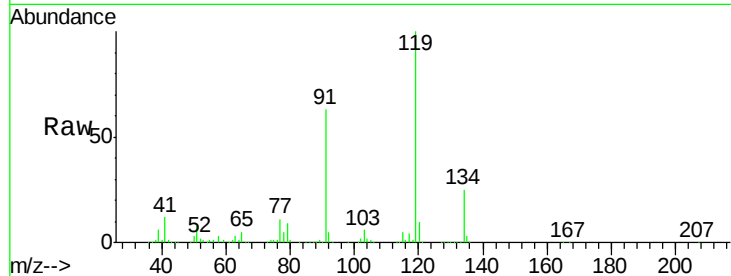




#83
 tert-Butylbenzene
 Concen: 21.345 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

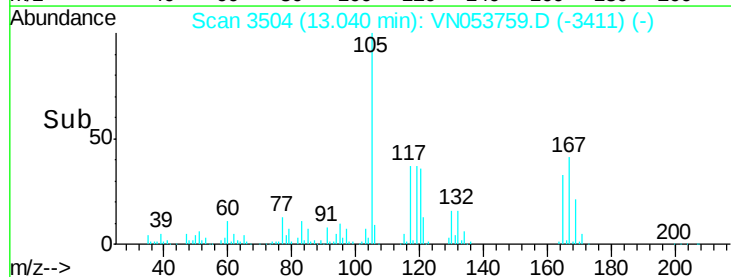
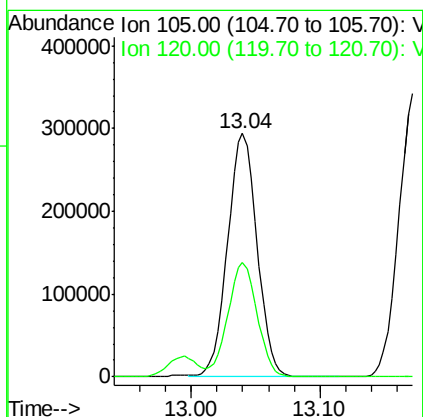
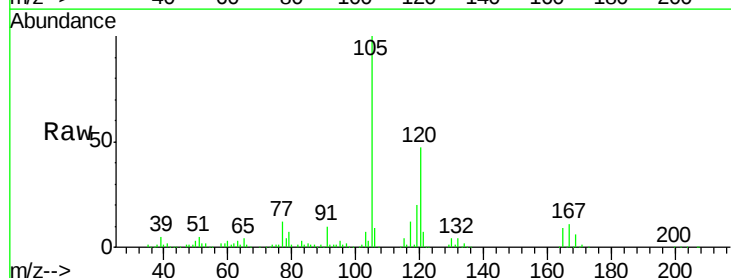
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

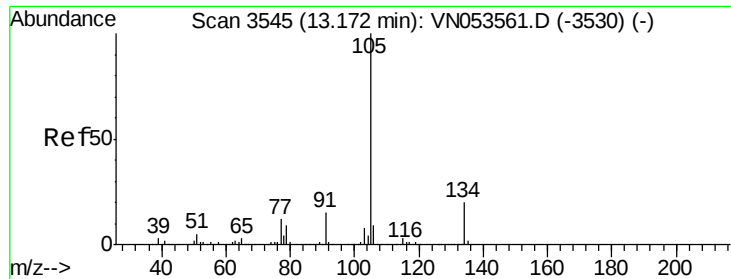
Tot Ion:119 Resp: 416118
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 24.8 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.705 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion:105 Resp: 465297
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 20.919 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

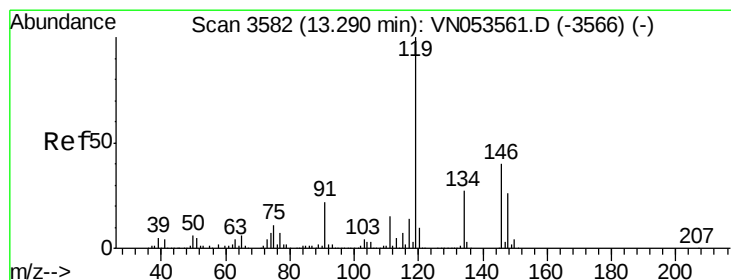
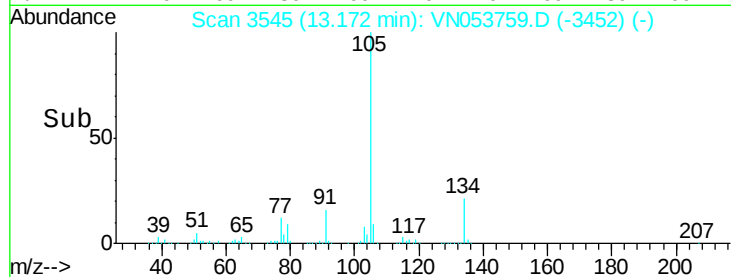
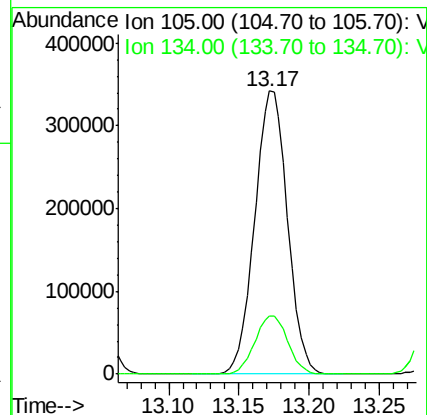
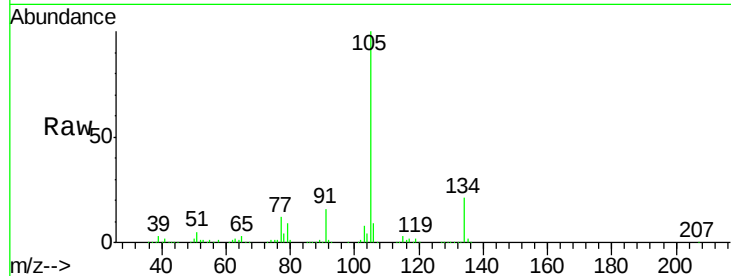
VN0213WBSD01

Tot Ion:105 Resp: 554951

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.368 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

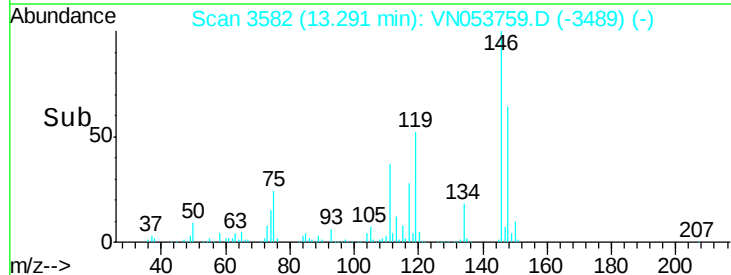
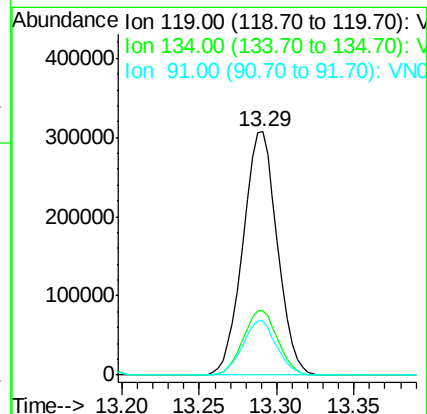
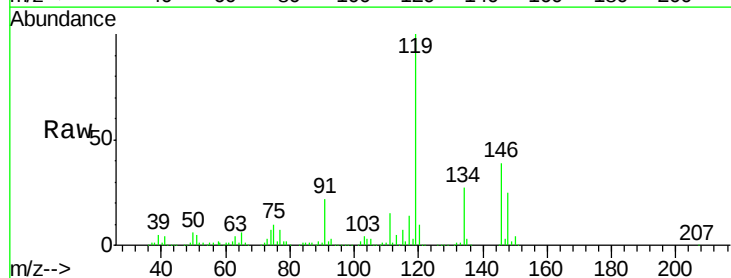
Tgt Ion:119 Resp: 472572

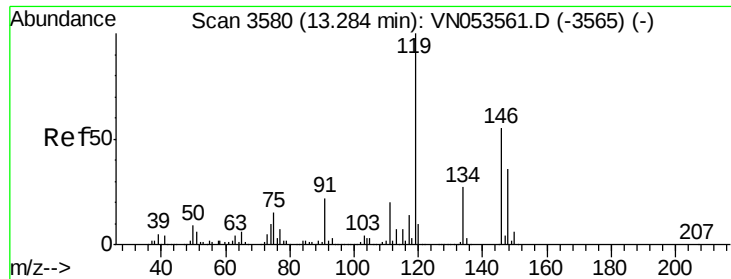
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 11.0 33.0

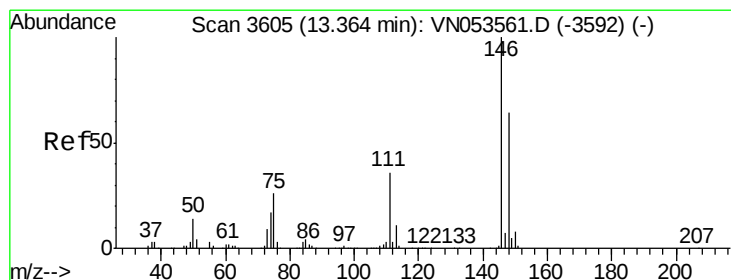
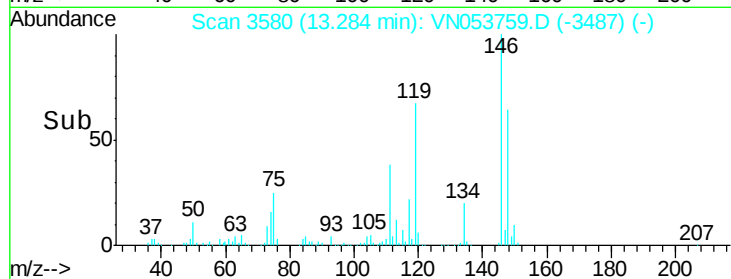
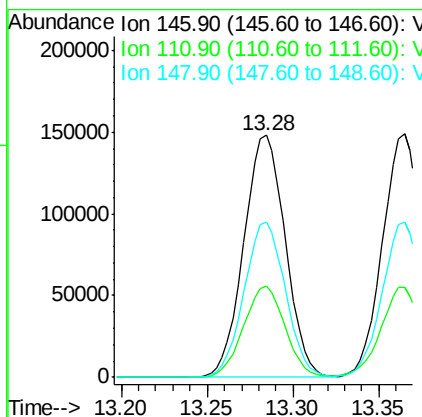
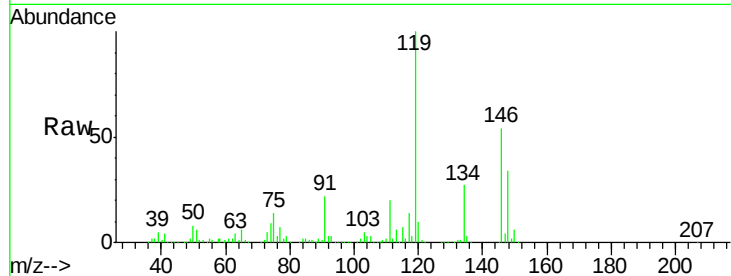




#87
 1,3-Dichlorobenzene
 Concen: 19.285 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

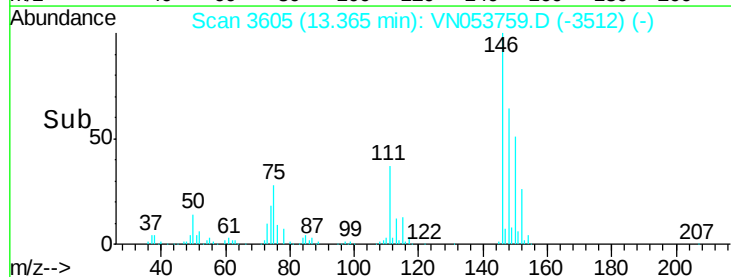
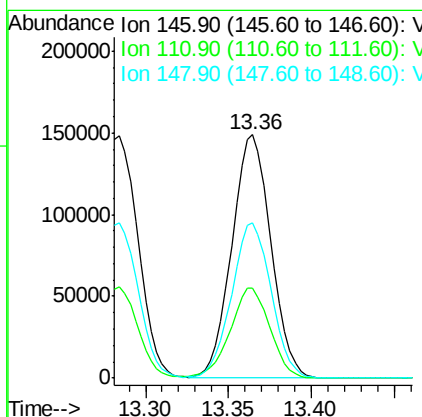
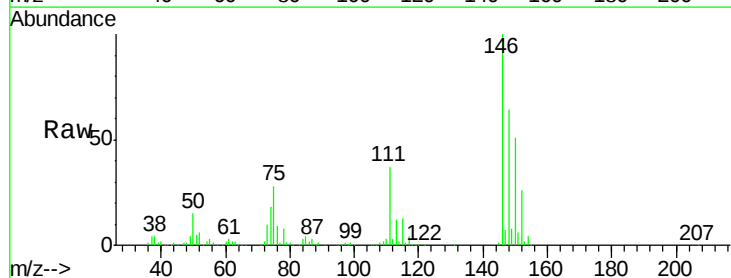
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

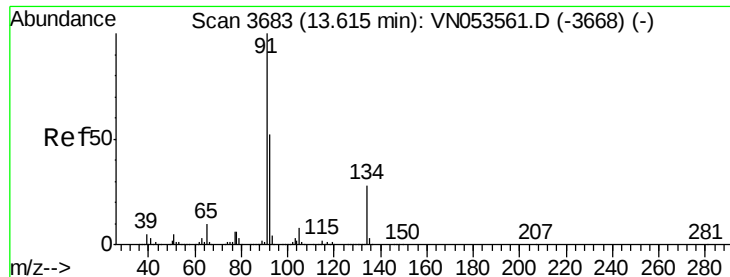
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.8	56.3
148	63.6	32.0	96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.127 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 18.674 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0213WBSD01

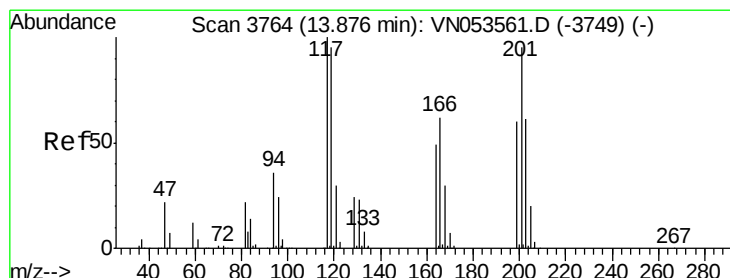
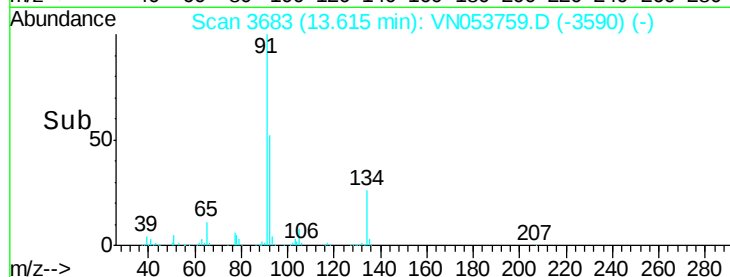
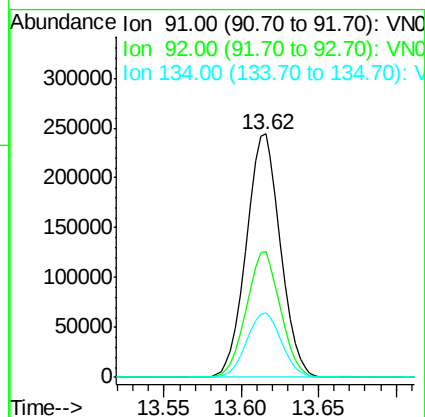
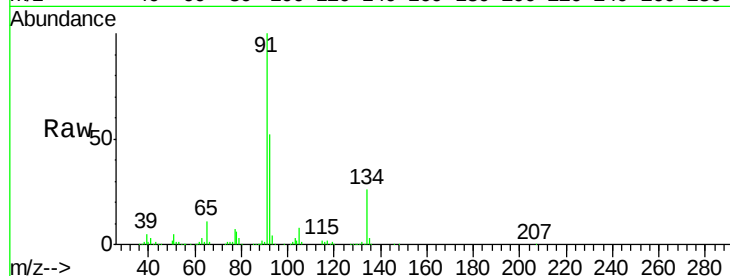
Tot Ion: 91 Resp: 375017

Ion Ratio Lower Upper

91 100

92 51.6 26.3 78.8

134 27.0 13.5 40.5



#90

Hexachloroethane

Concen: 21.284 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053759.D

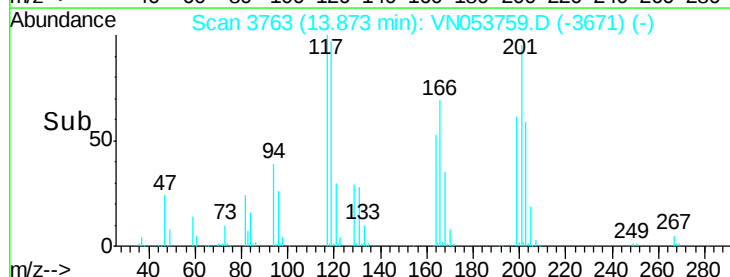
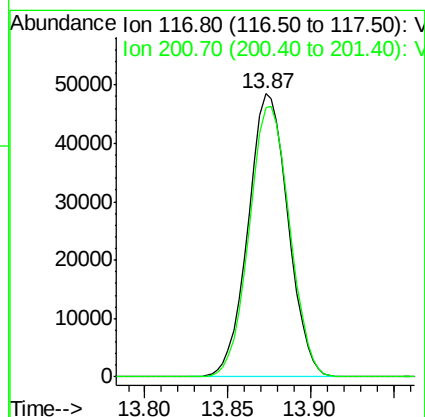
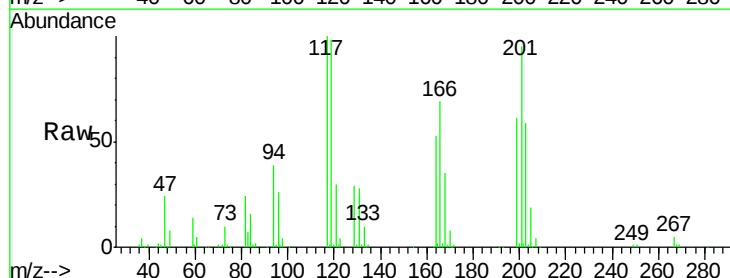
Acq: 13 Feb 2019 17:02

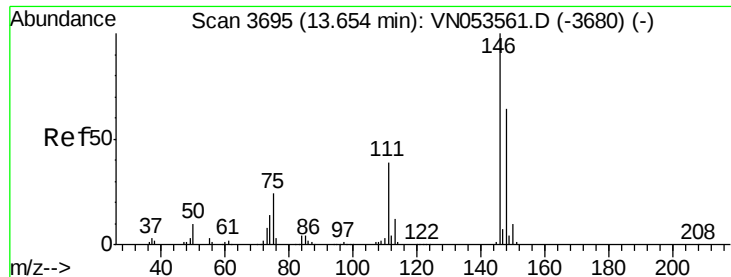
Tgt Ion: 117 Resp: 81454

Ion Ratio Lower Upper

117 100

201 96.7 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 20.258 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0213WBSD01

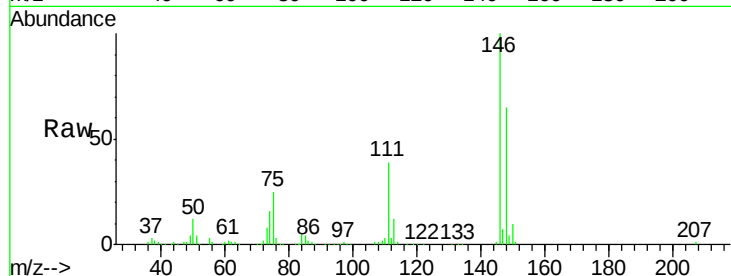
Tot Ion:146 Resp: 249924

Ion Ratio Lower Upper

146 100

111 38.5 19.5 58.5

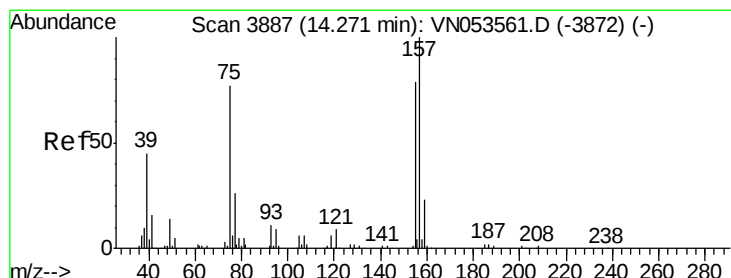
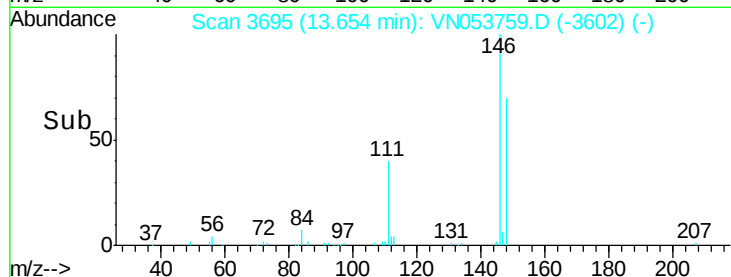
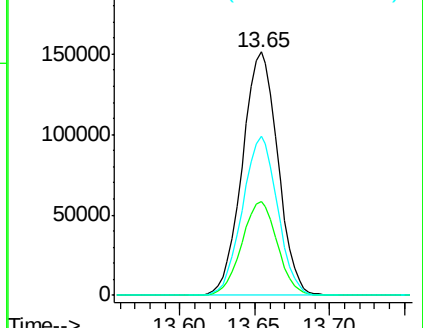
148 64.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.616 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

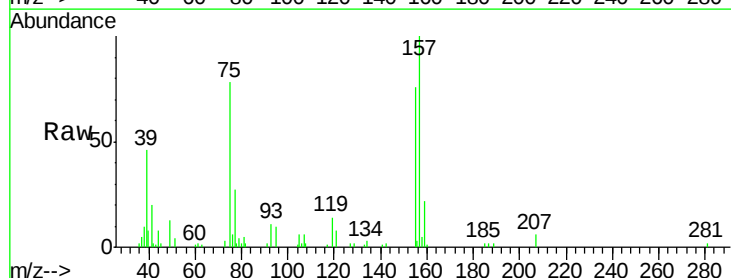
Tgt Ion: 75 Resp: 20518

Ion Ratio Lower Upper

75 100

155 97.8 48.9 146.7

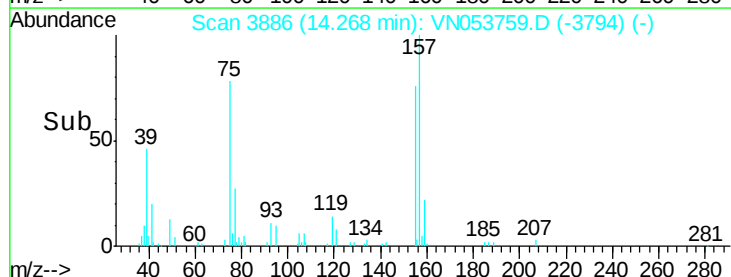
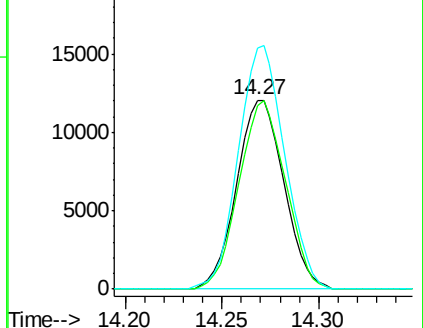
157 126.0 63.7 191.3

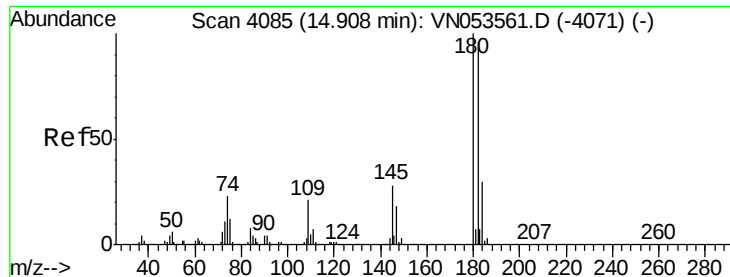


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

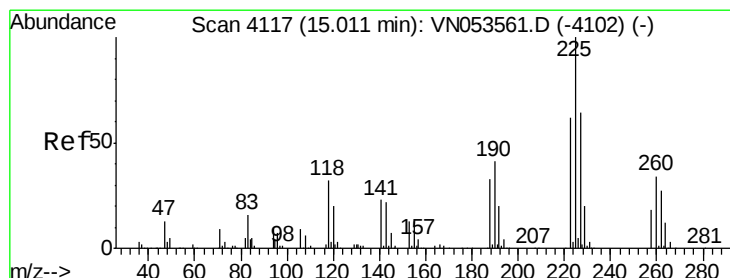
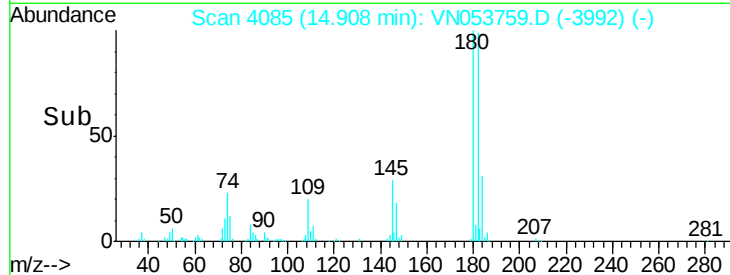
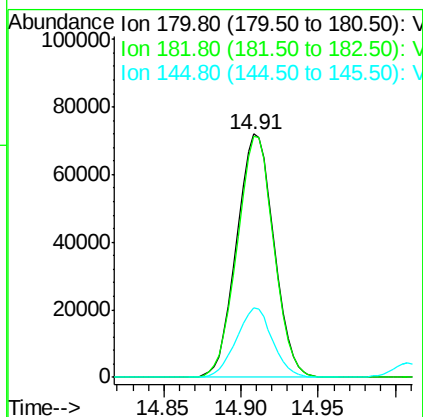
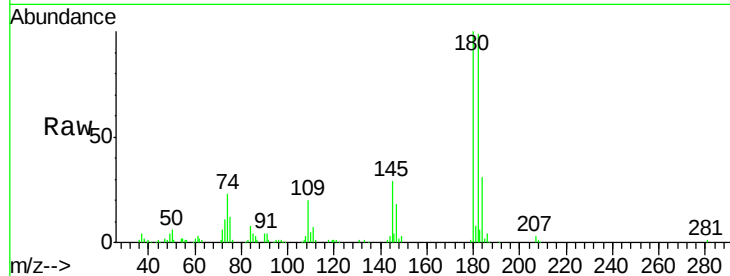




#93
 1,2,4-Trichlorobenzene
 Concen: 17.051 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

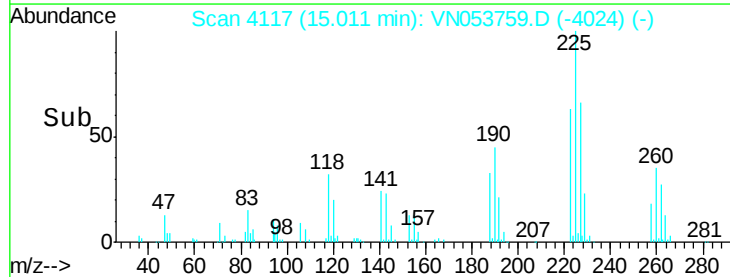
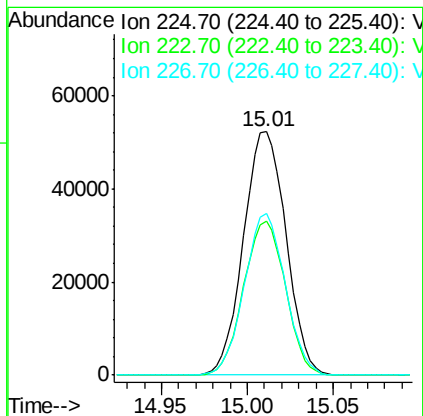
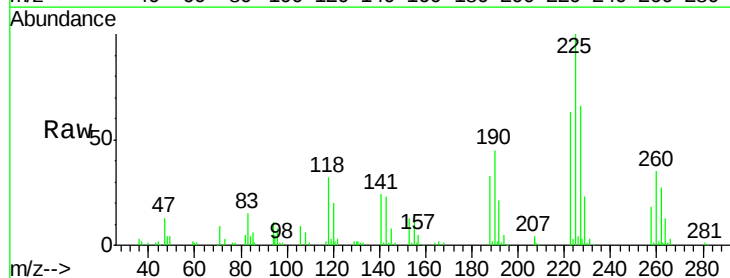
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0213WBSD01

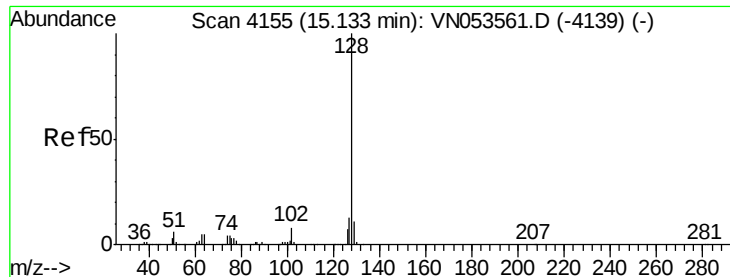
Tot Ion:180 Resp: 120647
 Ion Ratio Lower Upper
 180 100
 182 97.3 48.1 144.3
 145 27.7 13.9 41.6



#94
 Hexachlorobutadiene
 Concen: 20.401 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053759.D
 Acq: 13 Feb 2019 17:02

Tgt Ion:225 Resp: 89898
 Ion Ratio Lower Upper
 225 100
 223 62.0 31.1 93.2
 227 63.6 32.0 96.2





#95

Naphthalene

Concen: 16.641 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0213WBSD01

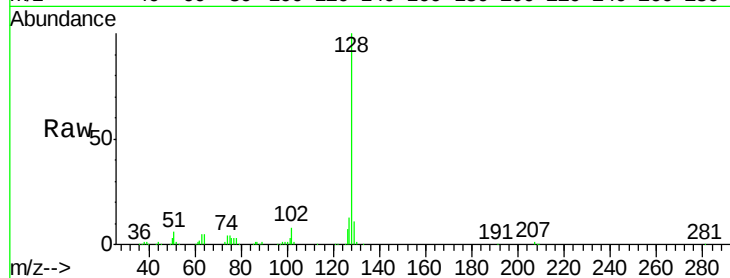
Tot Ion:128 Resp: 256649

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

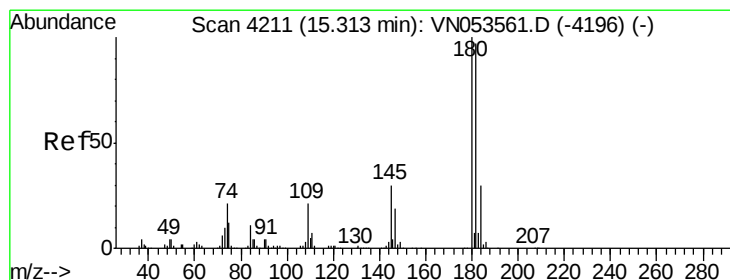
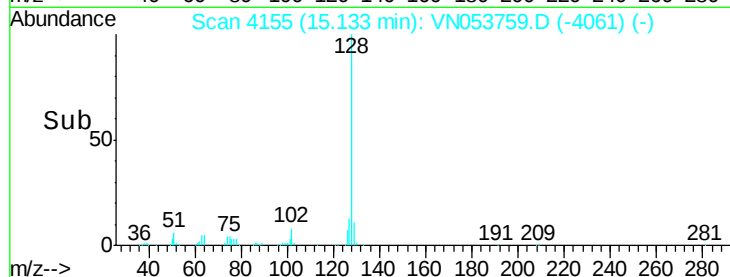
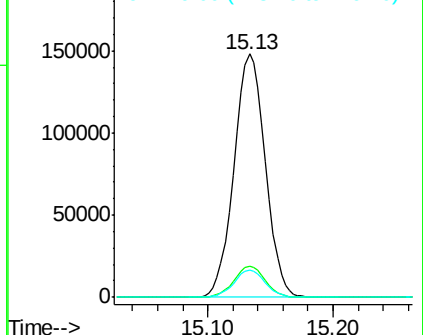
129 11.1 8.6 13.0



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: 18.926 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053759.D

Acq: 13 Feb 2019 17:02

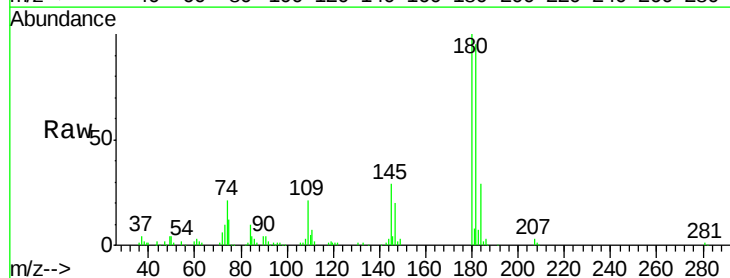
Tgt Ion:180 Resp: 124254

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.8

145 28.6 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

