

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054401.D
 Acq On : 18 Mar 2019 18:33
 Operator : JC/SP
 Sample : VN0318MBS01
 Misc : 5.00uL/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Quant Time: Mar 19 05:14:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1150778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1848285	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576236	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	683273	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	643704	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
35) Dibromofluoromethane	7.59	113	607823	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
50) Toluene-d8	10.09	98	2158698	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.40	95	705163	45.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226705	20.786	ug/l	99
3) Chloromethane	2.06	50	211723	19.985	ug/l	98
4) Vinyl Chloride	2.19	62	245011	20.234	ug/l	99
5) Bromomethane	2.57	94	149895	17.873	ug/l	96
6) Chloroethane	2.71	64	148984	20.335	ug/l	98
7) Trichlorofluoromethane	3.03	101	315597	19.603	ug/l	99
8) Diethyl Ether	3.41	74	162890	22.203	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	252700	20.946	ug/l	100
10) Methyl Iodide	3.94	142	320168	19.625	ug/l	99
11) Tert butyl alcohol	4.82	59	73992	88.315	ug/l	99
12) 1,1-Dichloroethene	3.73	96	252783	21.144	ug/l	99
13) Acrolein	3.61	56	62519	78.748	ug/l	99
14) Allyl chloride	4.32	41	313954	20.468	ug/l	99
15) Acrylonitrile	5.00	53	390620	113.502	ug/l	99
16) Acetone	3.82	43	267811	76.534	ug/l	99
17) Carbon Disulfide	4.04	76	503757	16.809	ug/l	99
18) Methyl Acetate	4.33	43	187059	26.422	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	661533	22.324	ug/l	100
20) Methylene Chloride	4.55	84	255083	22.201	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	241238	21.060	ug/l	100
22) Diisopropyl ether	5.96	45	689341	22.517	ug/l	99
23) Vinyl Acetate	5.90	43	2329616	103.208	ug/l	100
24) 1,1-Dichloroethane	5.85	63	442697	22.521	ug/l	99
25) 2-Butanone	6.85	43	430800	104.893	ug/l	100
26) 2,2-Dichloropropane	6.82	77	274534	15.882	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	290637	22.743	ug/l	97
28) Bromochloromethane	7.19	49	168764	21.001	ug/l	99
29) Tetrahydrofuran	7.22	42	289947	109.801	ug/l	99
30) Chloroform	7.37	83	469434	22.886	ug/l	99
31) Cyclohexane	7.65	56	374280	19.620	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	389758	21.040	ug/l	99
36) 1,1-Dichloropropene	7.79	75	336473	19.768	ug/l	100
37) Ethyl Acetate	6.94	43	187660	19.188	ug/l	99
38) Carbon Tetrachloride	7.77	117	336552	18.855	ug/l	100

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 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
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 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	357034	17.048	ug/l	99
40) Benzene	8.04	78	1033211	21.212	ug/l	97
41) Methacrylonitrile	7.18	41	107586	19.266	ug/l	97
42) 1,2-Dichloroethane	8.13	62	343120	20.865	ug/l	99
43) Isopropyl Acetate	8.17	43	322793	18.803	ug/l	99
44) Trichloroethene	8.83	130	305484	20.189	ug/l	99
45) 1,2-Dichloropropane	9.12	63	261819	21.648	ug/l	100
46) Dibromomethane	9.21	93	166653	20.394	ug/l	98
47) Bromodichloromethane	9.40	83	330920	20.200	ug/l	99
48) Methyl methacrylate	9.20	41	175105	20.100	ug/l	97
49) 1,4-Dioxane	9.20	88	50719	411.585	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	944079	103.919	ug/l	99
52) Toluene	10.16	92	637480	20.641	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	284016	16.542	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	356404	18.669	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	240539	21.330	ug/l	99
56) Ethyl methacrylate	10.43	69	271005	20.155	ug/l	97
57) 1,3-Dichloropropane	10.71	76	396026	21.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	497168	96.317	ug/l	100
59) 2-Hexanone	10.75	43	575268	95.164	ug/l	99
60) Dibromochloromethane	10.90	129	246363	19.410	ug/l	99
61) 1,2-Dibromoethane	11.01	107	240735	21.007	ug/l	99
64) Tetrachloroethene	10.63	164	298609	19.594	ug/l	98
65) Chlorobenzene	11.43	112	732770	21.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	263534	20.961	ug/l	99
67) Ethyl Benzene	11.51	91	1180533	20.577	ug/l	99
68) m/p-Xylenes	11.62	106	935594	41.724	ug/l	98
69) o-Xylene	11.95	106	465965	21.317	ug/l	98
70) Styrene	11.96	104	707715	20.644	ug/l	99
71) Bromoform	12.13	173	152501	17.514	ug/l #	97
73) Isopropylbenzene	12.25	105	1198091	21.917	ug/l	100
74) N-amyl acetate	12.07	43	243971	20.106	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	281469	24.167	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	304174	30.273	ug/l #	100
77) Bromobenzene	12.53	156	316667	21.891	ug/l	99
78) n-propylbenzene	12.59	91	1246532	21.015	ug/l	100
79) 2-Chlorotoluene	12.67	91	785055	22.012	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	946380	20.813	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	38500	13.098	ug/l #	71
82) 4-Chlorotoluene	12.77	91	759231	21.319	ug/l	100
83) tert-Butylbenzene	12.99	119	873585	20.873	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	967864	21.697	ug/l	100
85) sec-Butylbenzene	13.17	105	1067384	19.665	ug/l	100
86) p-Isopropyltoluene	13.29	119	920889	19.339	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	513130	21.052	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	496832	20.749	ug/l	99
89) n-Butylbenzene	13.61	91	635153	17.555	ug/l	99
90) Hexachloroethane	13.87	117	134842	17.102	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	527175	22.124	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34991	19.415	ug/l	98

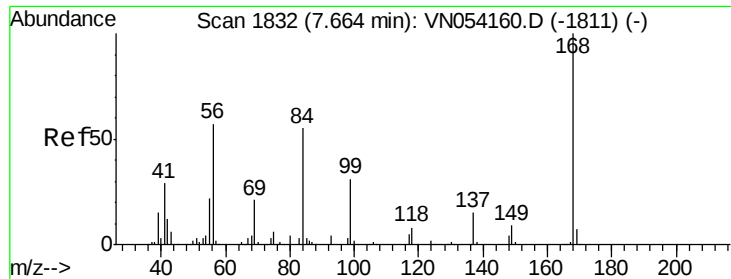
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	217689	16.887	ug/l	99
94) Hexachlorobutadiene	15.01	225	145150	15.992	ug/l	99
95) Naphthalene	15.13	128	477665	18.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	229064	18.093	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

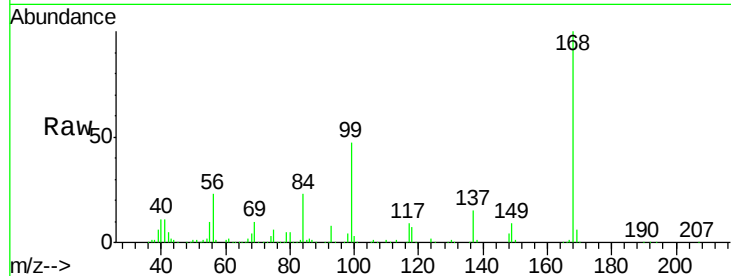
VN0318MBS01

Tot Ion:168 Resp: 1150778

Ion Ratio Lower Upper

168 100

99 46.2 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

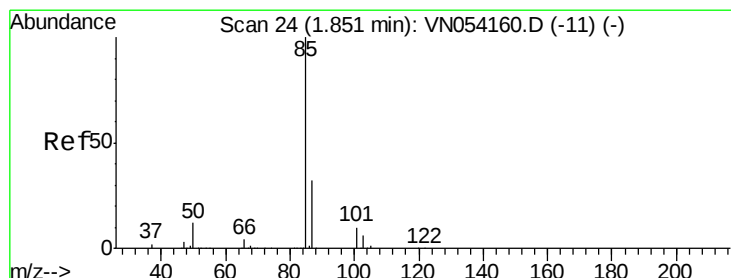
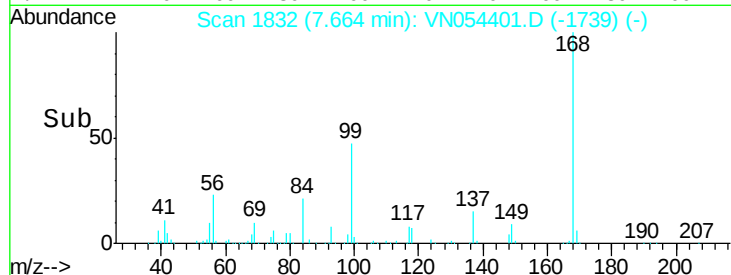
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.786 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN054401.D

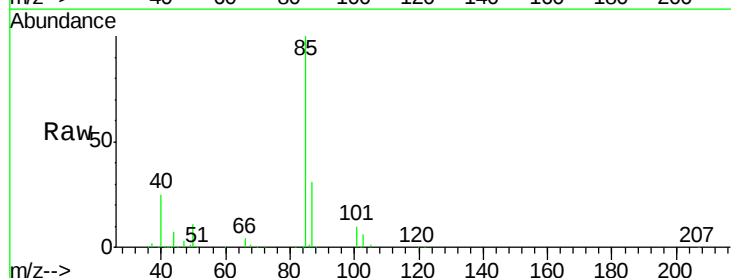
Acq: 18 Mar 2019 18:33

Tgt Ion: 85 Resp: 226705

Ion Ratio Lower Upper

85 100

87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

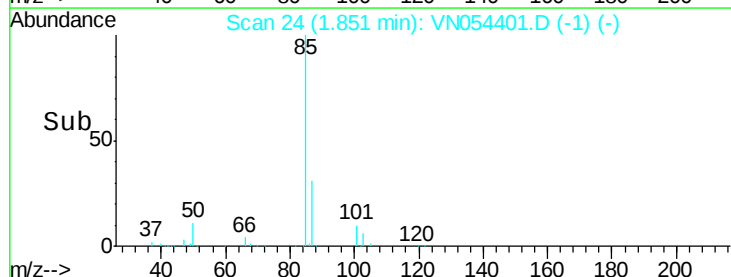
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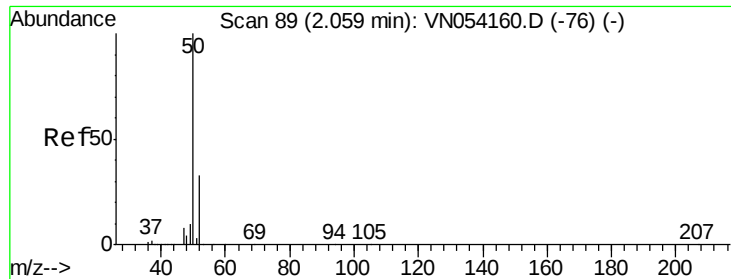
100000

50000

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Time-->





#3

Chloromethane

Concen: 19.985 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

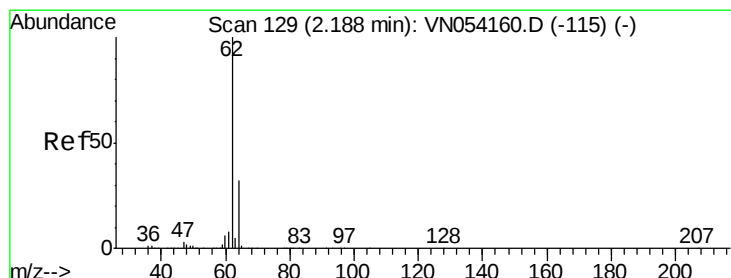
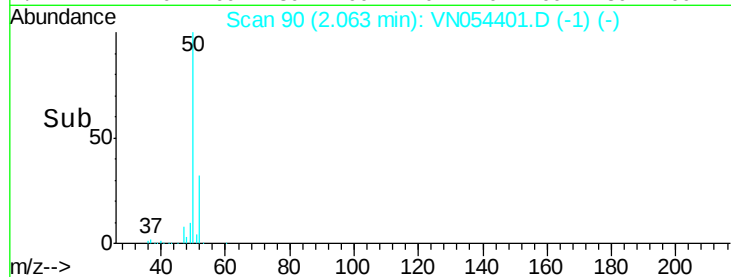
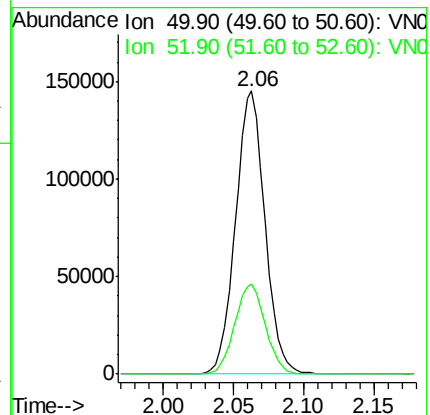
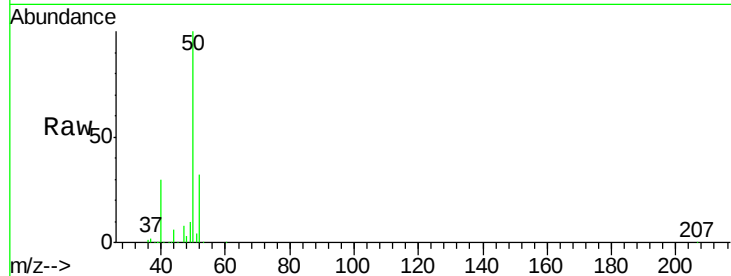
VN0318MBS01

Tot Ion: 50 Resp: 211723

Ion Ratio Lower Upper

50 100

52 31.6 26.4 39.6



#4

Vinyl Chloride

Concen: 20.234 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054401.D

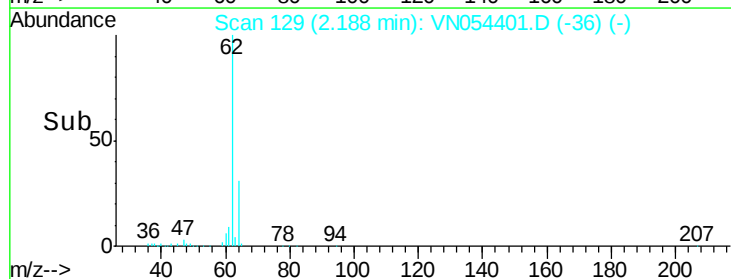
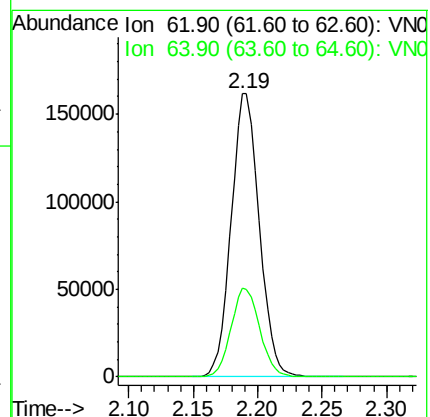
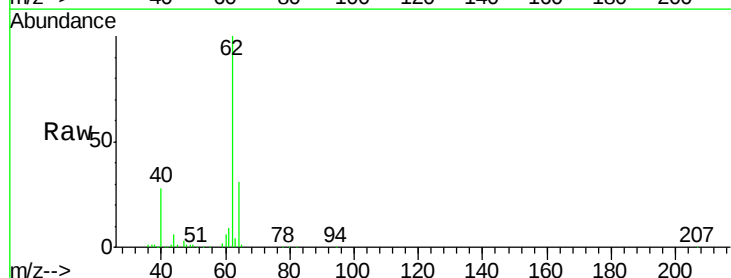
Acq: 18 Mar 2019 18:33

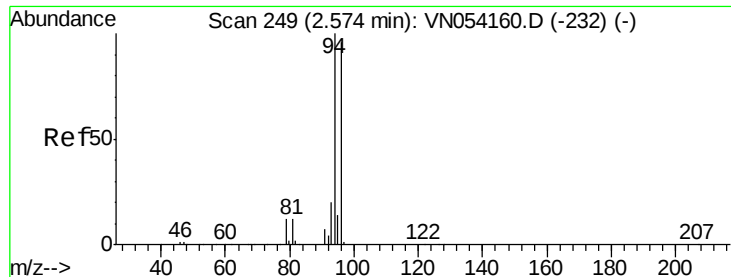
Tgt Ion: 62 Resp: 245011

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3





#5

Bromomethane

Concen: 17.873 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

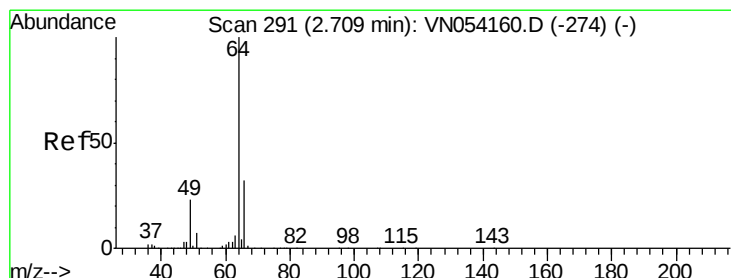
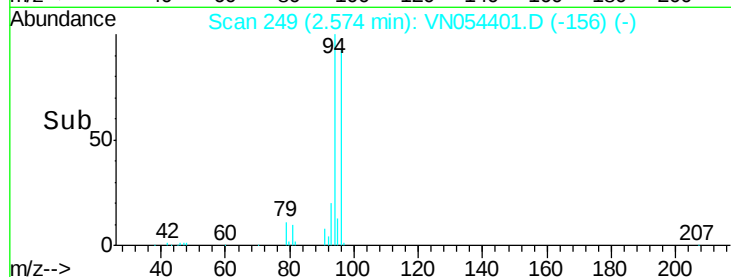
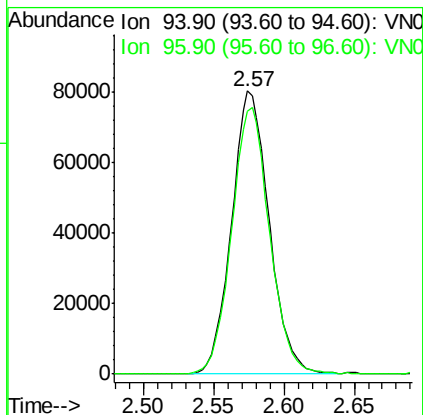
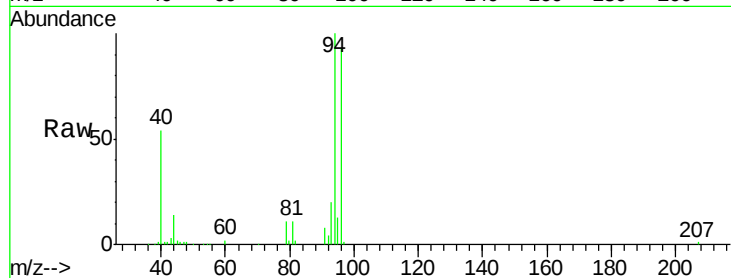
VN0318MBS01

Tot Ion: 94 Resp: 149895

Ion Ratio Lower Upper

94 100

96 92.8 77.0 115.4



#6

Chloroethane

Concen: 20.335 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054401.D

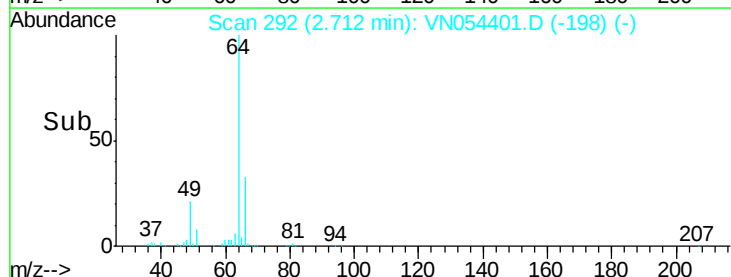
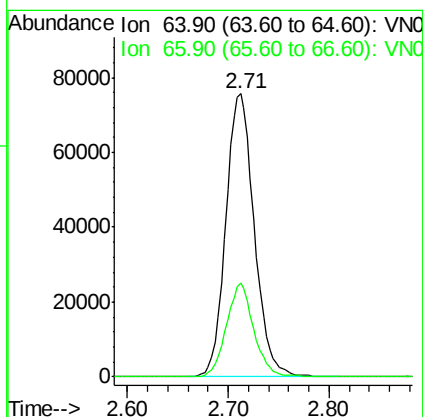
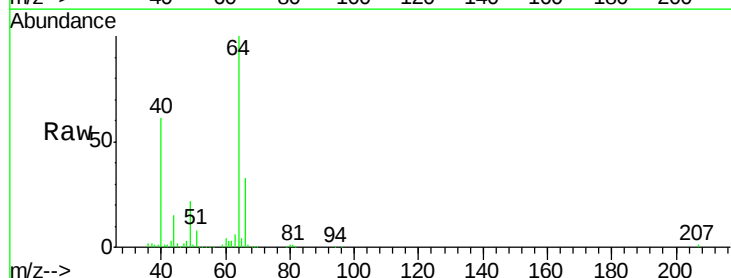
Acq: 18 Mar 2019 18:33

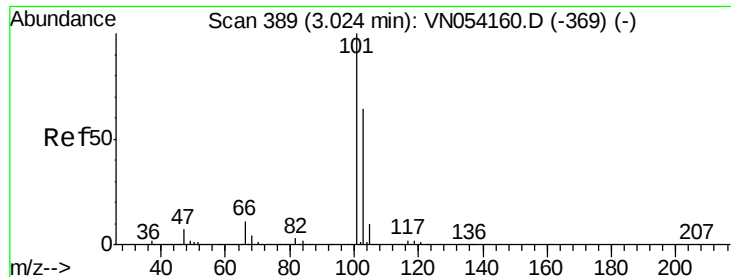
Tgt Ion: 64 Resp: 148984

Ion Ratio Lower Upper

64 100

66 33.3 25.7 38.5



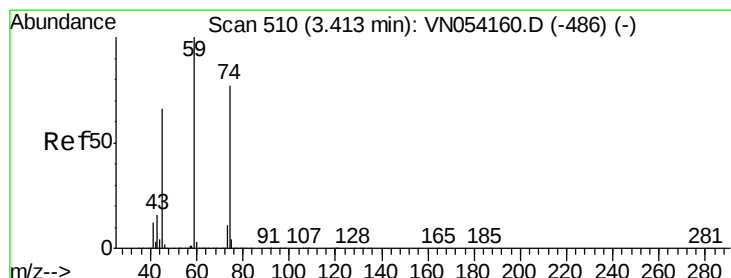
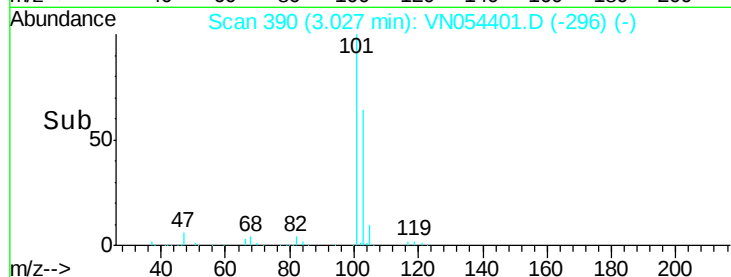
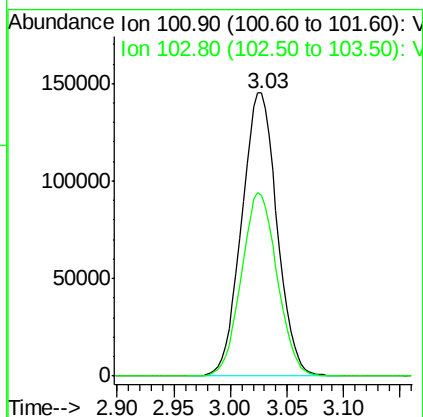
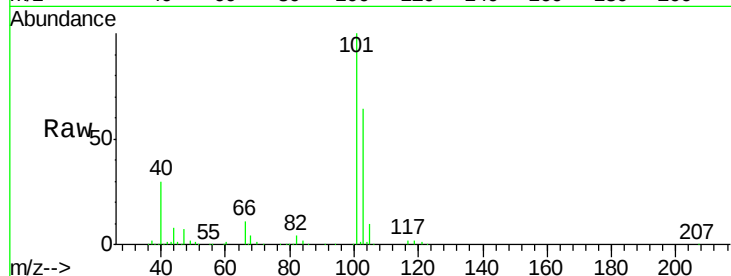


#7

Trichlorofluoromethane
 Concen: 19.603 ug/l
 RT: 3.03 min Scan# 390
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

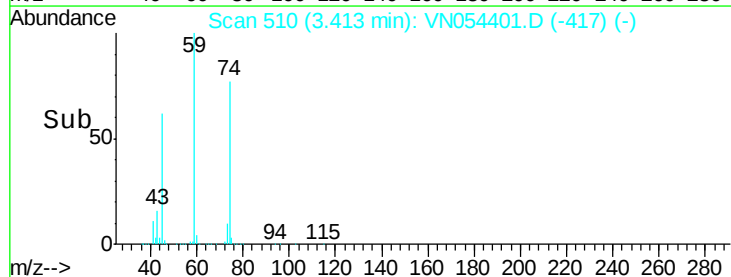
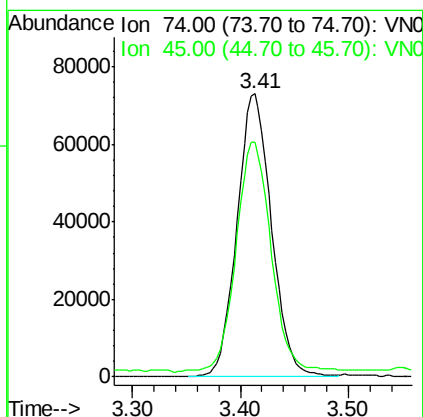
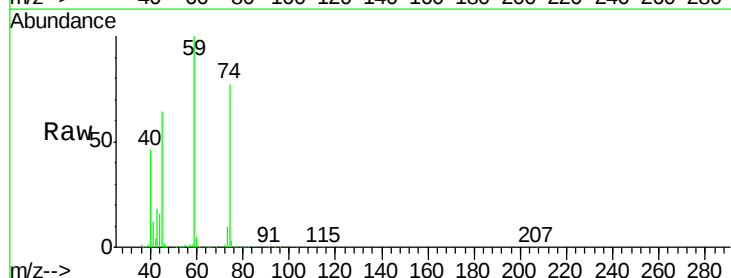
Tot Ion:101 Resp: 315597
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.2

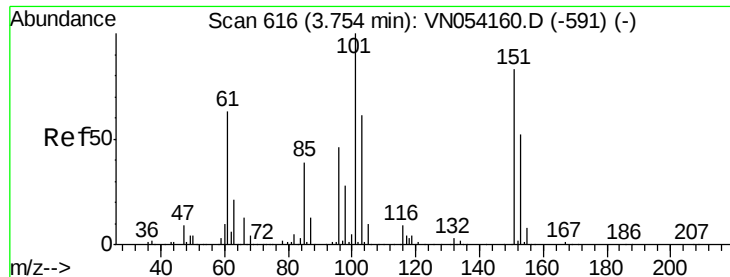


#8

Diethyl Ether
 Concen: 22.203 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion: 74 Resp: 162890
 Ion Ratio Lower Upper
 74 100
 45 80.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.946 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

VN0318MBS01

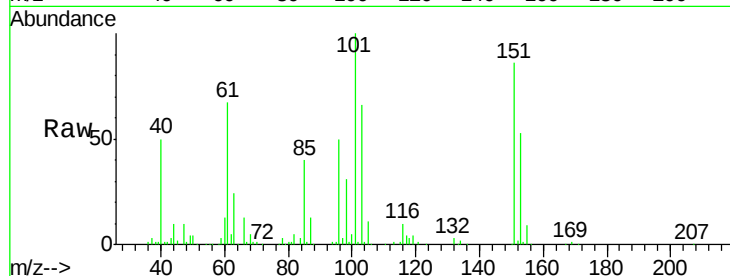
Tot Ion:101 Resp: 252700

Ion Ratio Lower Upper

101 100

85 40.6 32.4 48.6

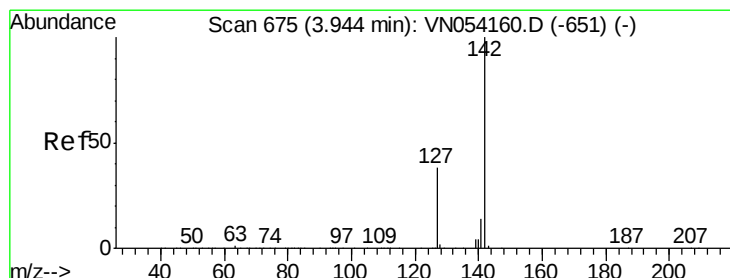
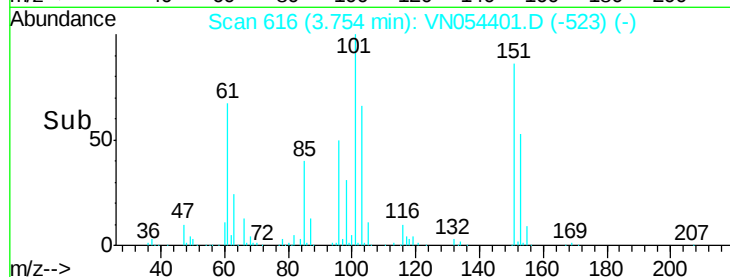
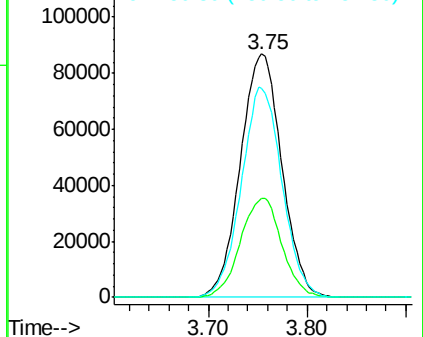
151 84.7 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.625 ug/l

RT: 3.94 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

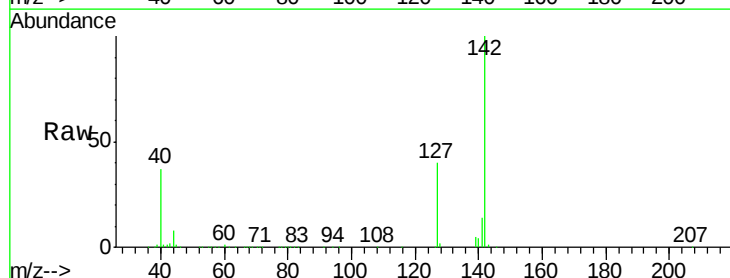
Tgt Ion:142 Resp: 320168

Ion Ratio Lower Upper

142 100

127 38.4 30.3 45.5

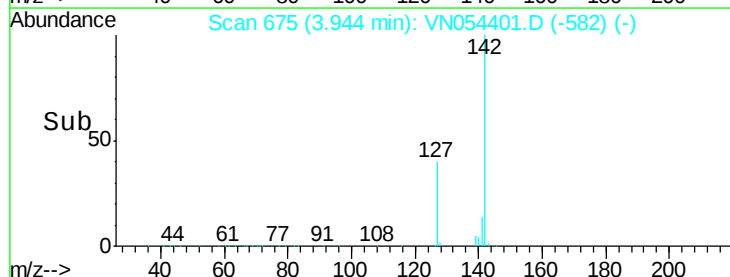
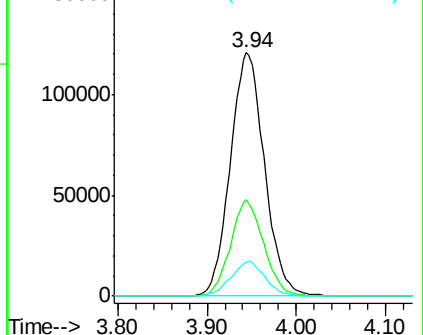
141 14.2 11.2 16.8

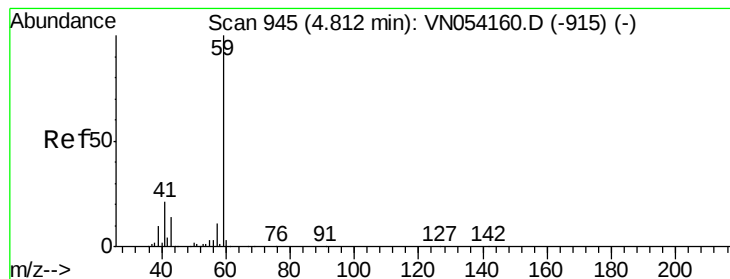


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 88.315 ug/l

RT: 4.82 min Scan# 947

Delta R.T. 0.01 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

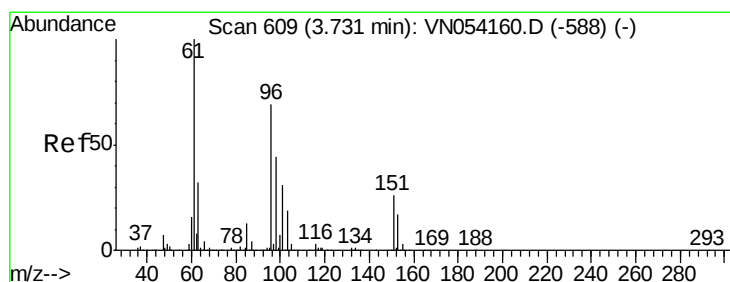
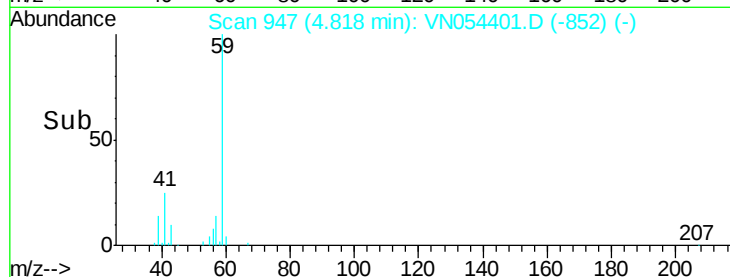
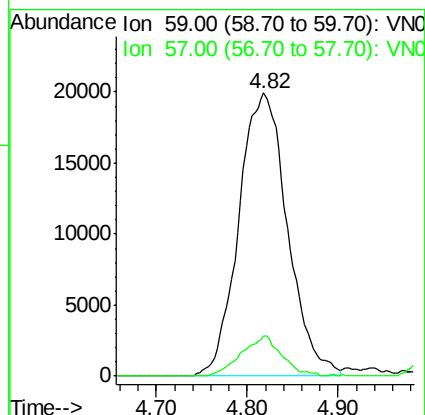
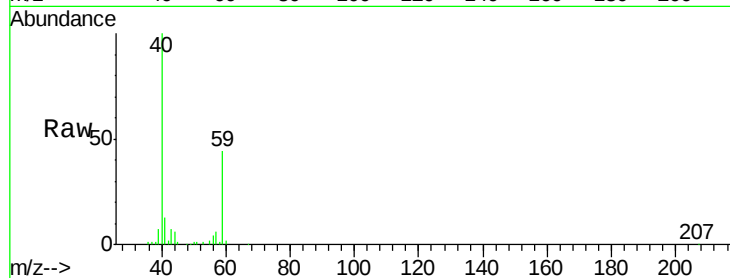
VN0318MBS01

Tot Ion: 59 Resp: 73992

Ion Ratio Lower Upper

59 100

57 11.9 9.0 13.6



#12

1,1-Dichloroethene

Concen: 21.144 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

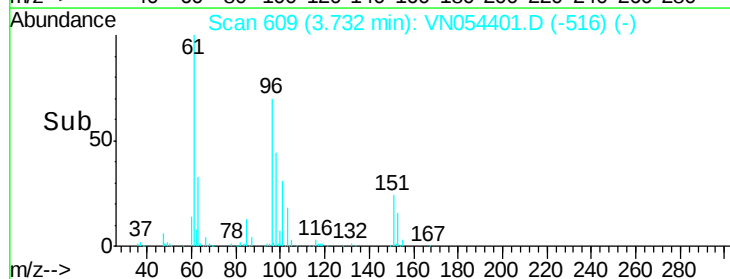
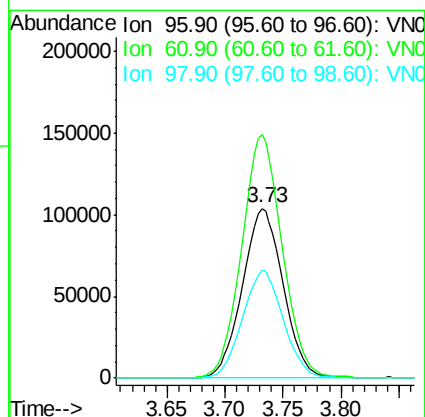
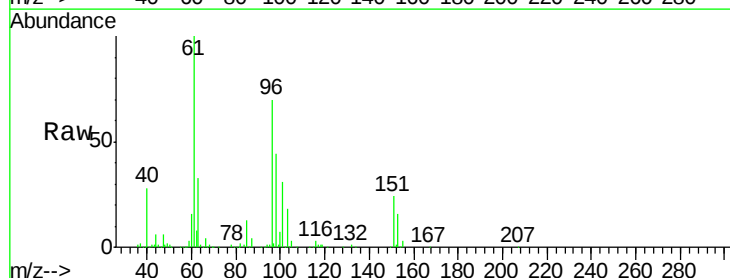
Tgt Ion: 96 Resp: 252783

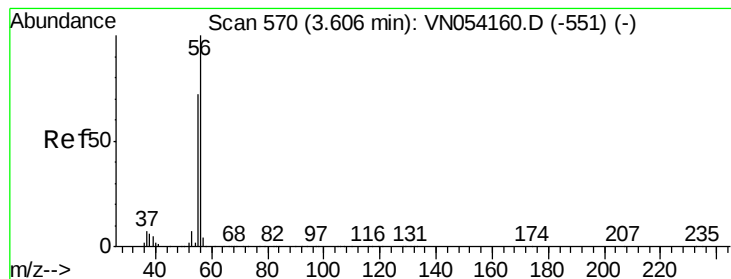
Ion Ratio Lower Upper

96 100

61 143.2 116.5 174.7

98 63.4 51.0 76.4





#13

Acrolein

Concen: 78.748 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

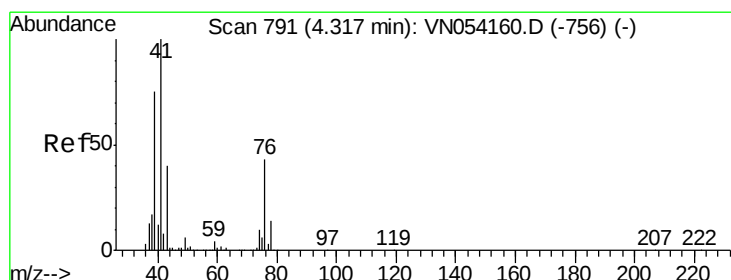
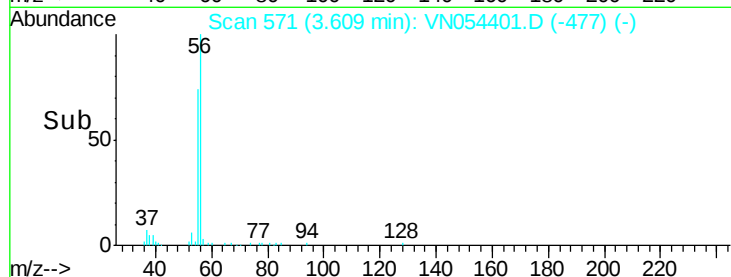
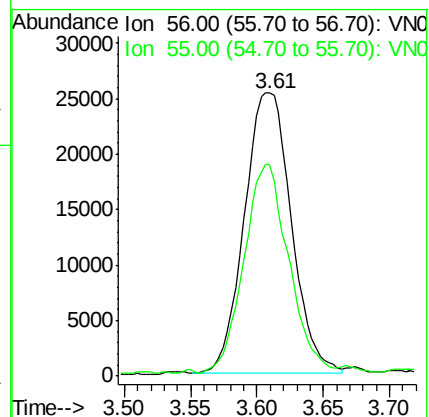
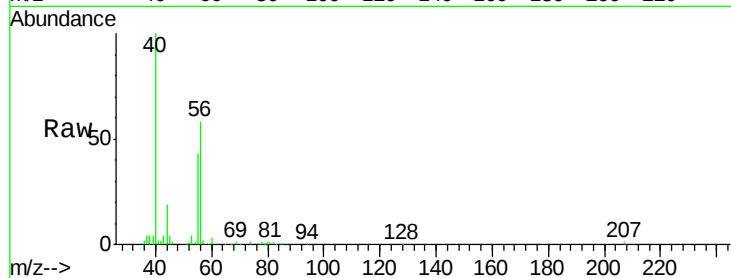
VN0318MBS01

Tot Ion: 56 Resp: 62519

Ion Ratio Lower Upper

56 100

55 70.2 56.7 85.1



#14

Allyl chloride

Concen: 20.468 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

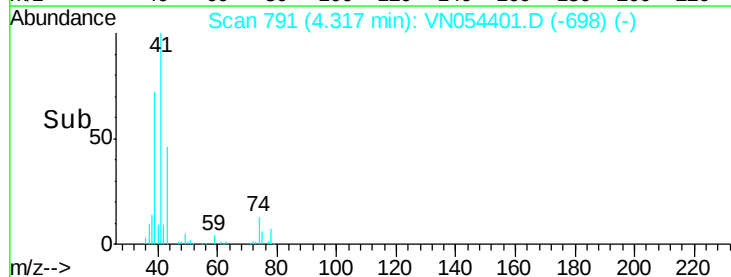
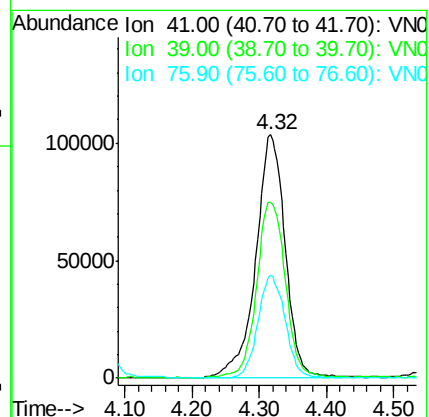
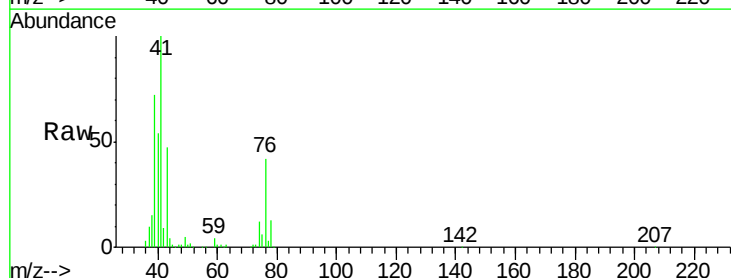
Tgt Ion: 41 Resp: 313954

Ion Ratio Lower Upper

41 100

39 71.6 58.2 87.4

76 38.9 31.7 47.5





#15

Acrylonitrile

Concen: 113.502 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

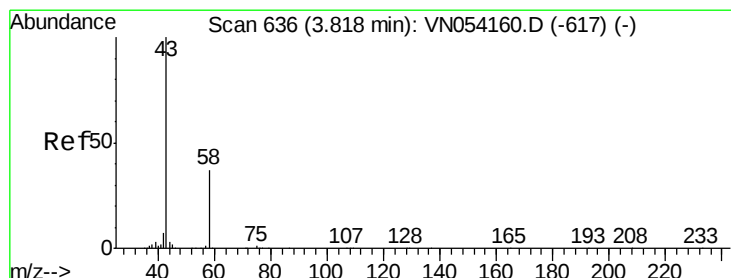
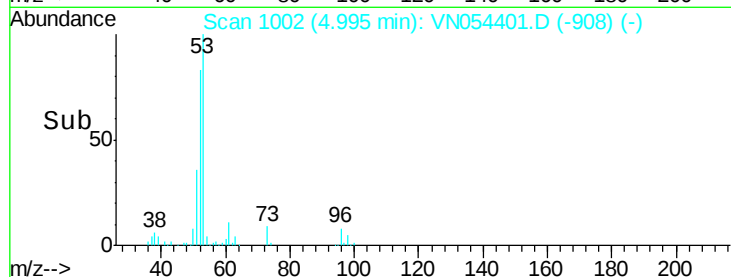
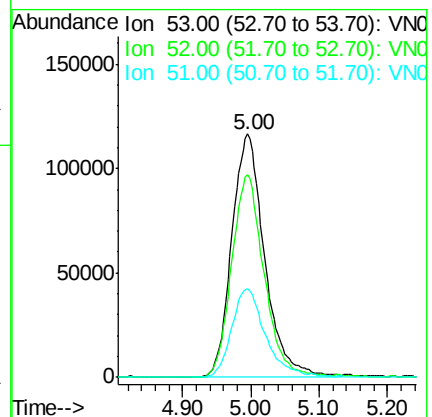
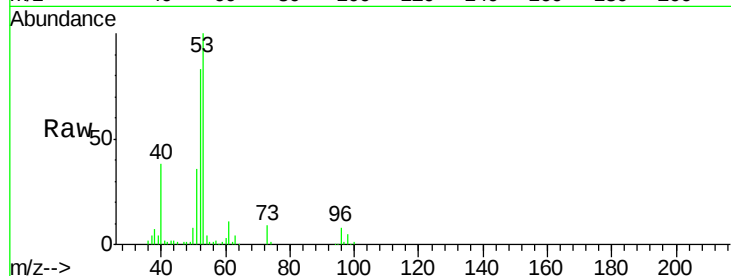
Tot Ion: 53 Resp: 390620

Ion Ratio Lower Upper

53 100

52 82.0 66.4 99.6

51 36.9 29.6 44.4



#16

Acetone

Concen: 76.534 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054401.D

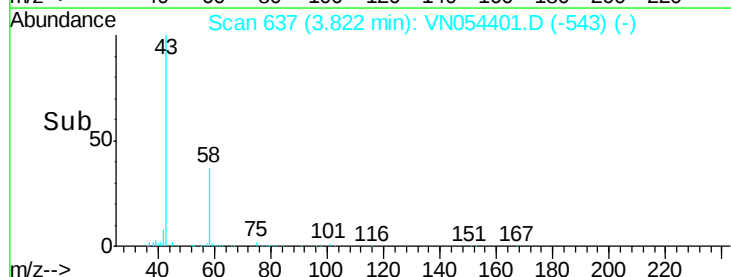
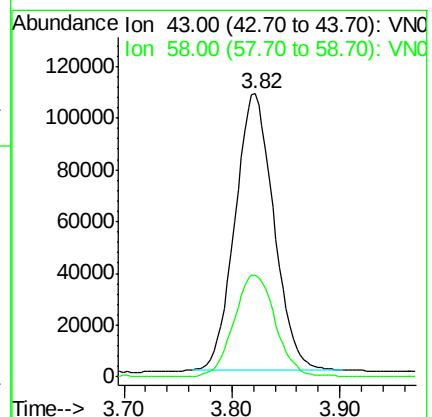
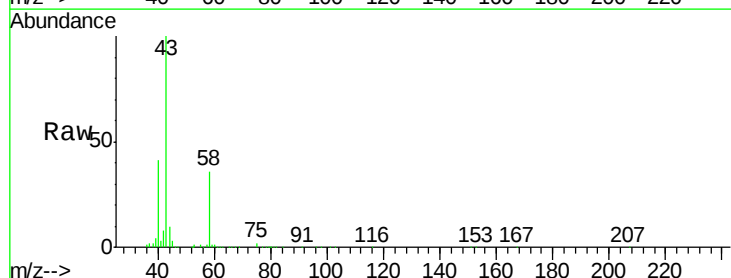
Acq: 18 Mar 2019 18:33

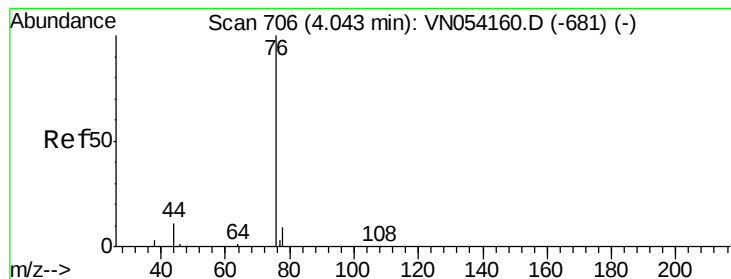
Tgt Ion: 43 Resp: 267811

Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9





#17

Carbon Disulfide

Concen: 16.809 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

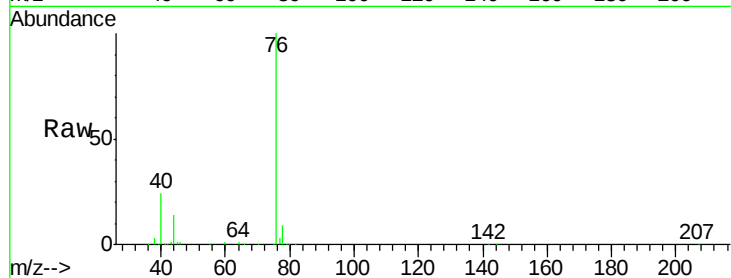
VN0318MBS01

Tot Ion: 76 Resp: 503757

Ion Ratio Lower Upper

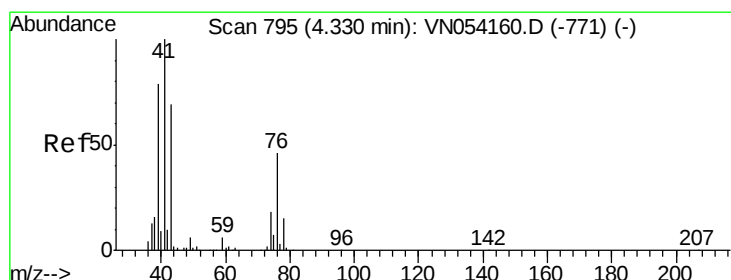
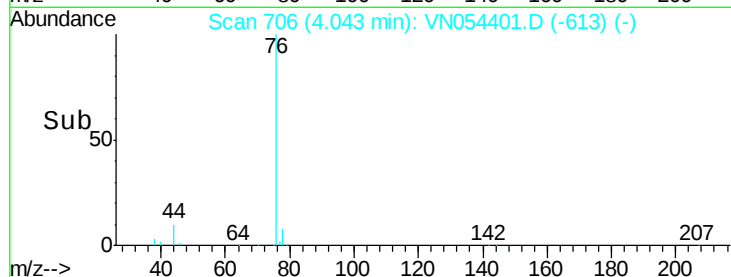
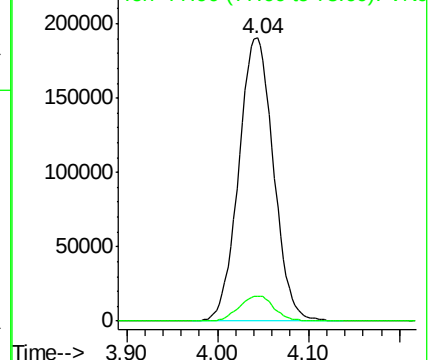
76 100

78 8.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.422 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054401.D

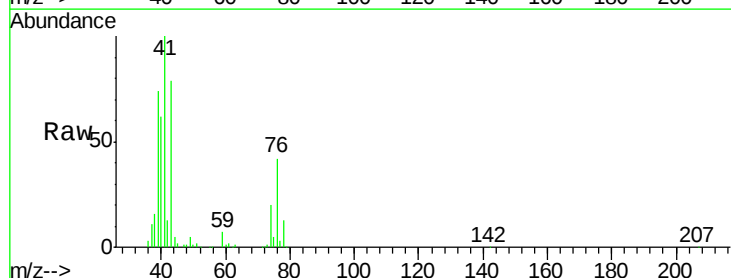
Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 187059

Ion Ratio Lower Upper

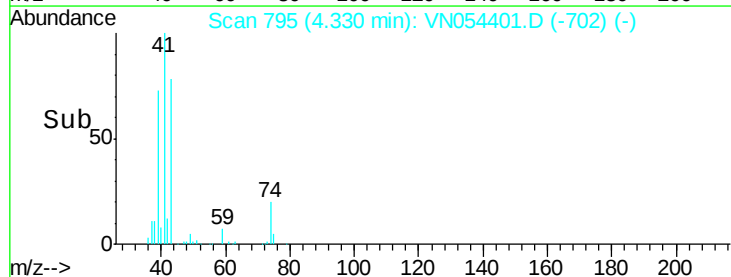
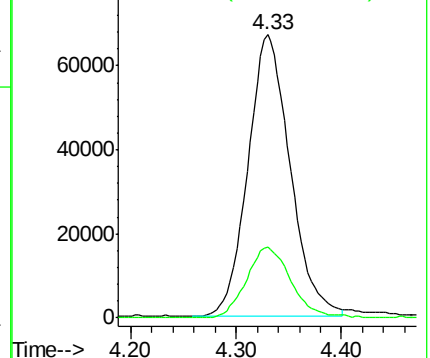
43 100

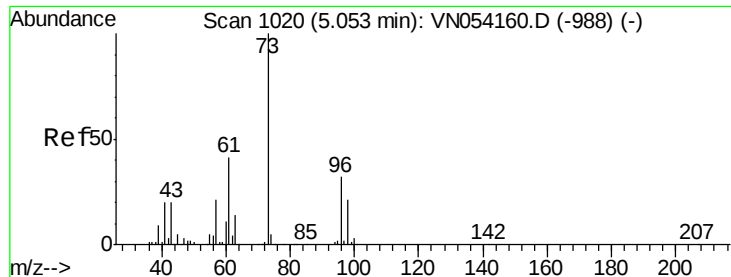
74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#19

Methvl tert-butvl Ether

Concen: 22.324 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

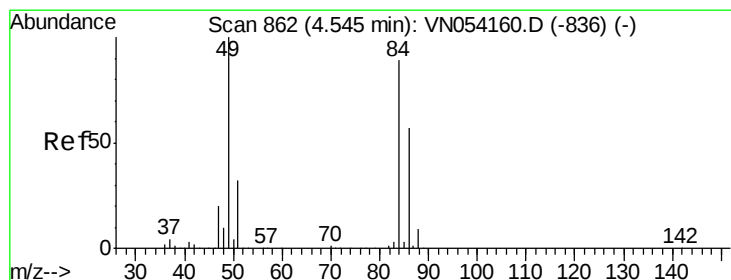
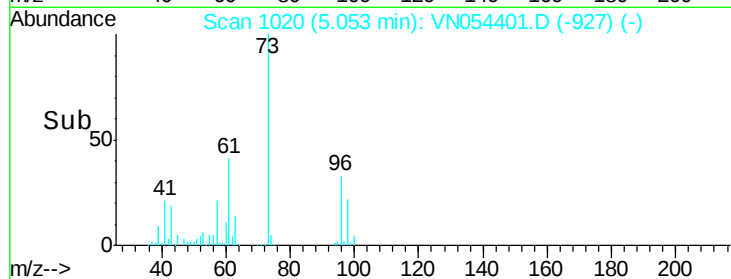
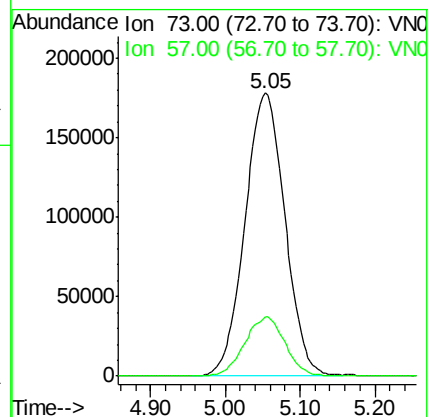
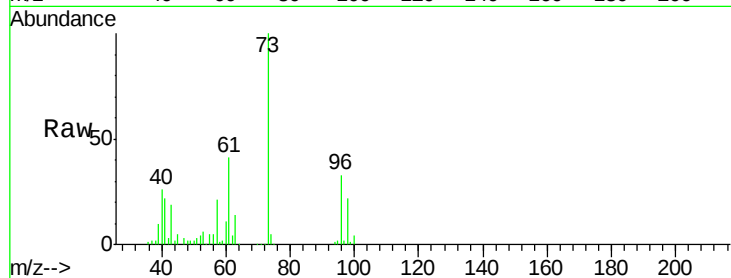
VN0318MBS01

Tot Ion: 73 Resp: 661533

Ion Ratio Lower Upper

73 100

57 20.9 16.8 25.2



#20

Methylene Chloride

Concen: 22.201 ug/l

RT: 4.55 min Scan# 863

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion: 84 Resp: 255083

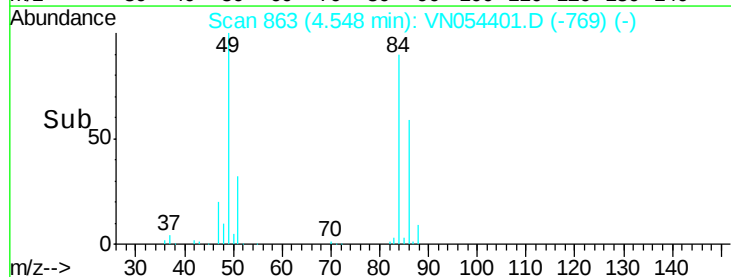
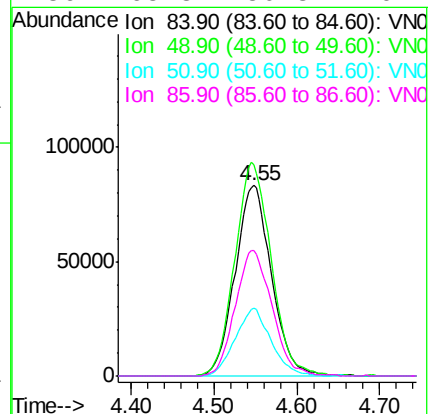
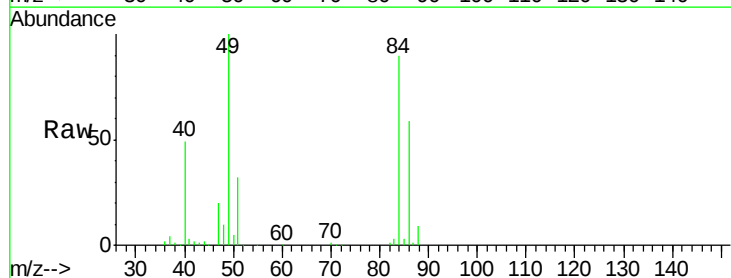
Ion Ratio Lower Upper

84 100

49 111.0 89.7 134.5

51 35.7 28.2 42.4

86 65.8 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.060 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

VN0318MBS01

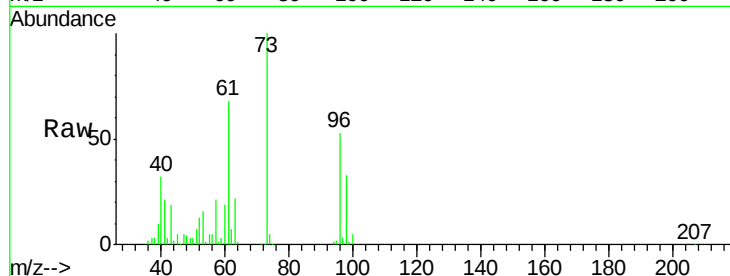
Tot Ion: 96 Resp: 241238

Ion Ratio Lower Upper

96 100

61 128.6 102.8 154.2

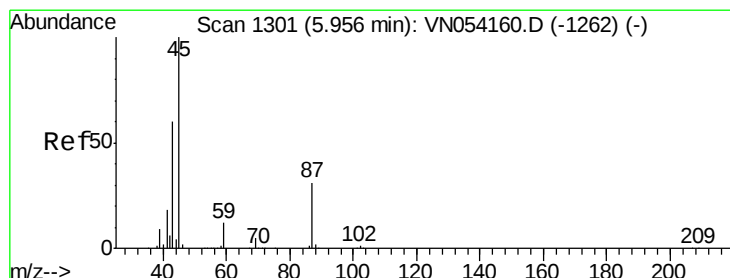
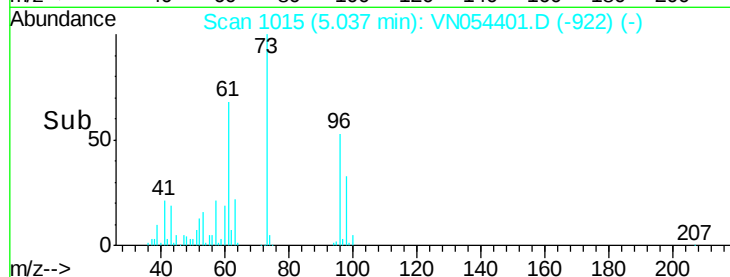
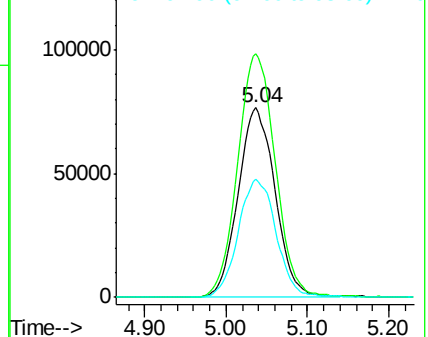
98 62.7 50.0 75.0



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: 22.517 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion: 45 Resp: 689341

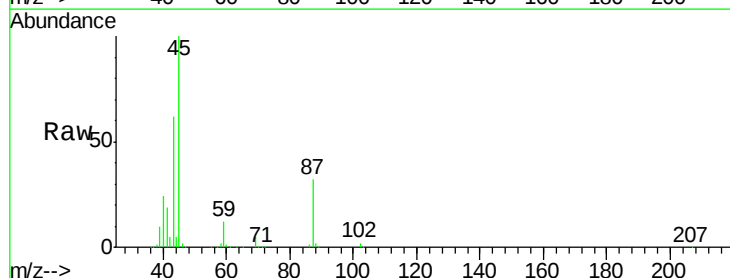
Ion Ratio Lower Upper

45 100

43 61.7 48.2 72.2

87 31.2 24.9 37.3

59 12.0 9.5 14.3

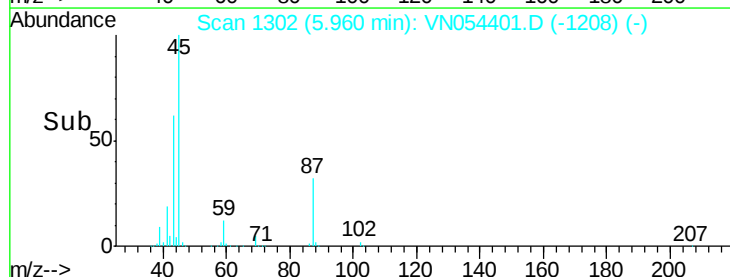
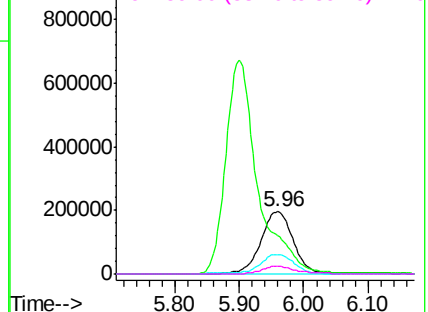


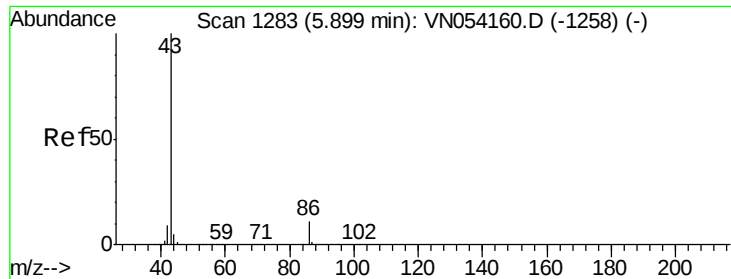
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 103.208 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

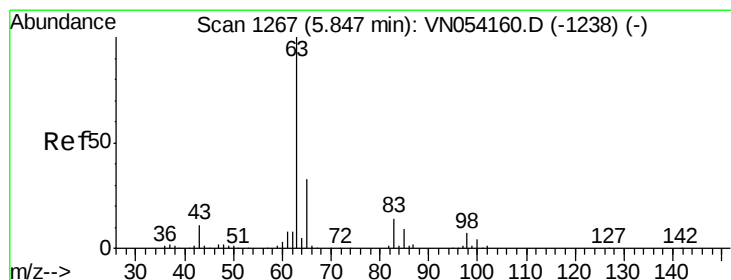
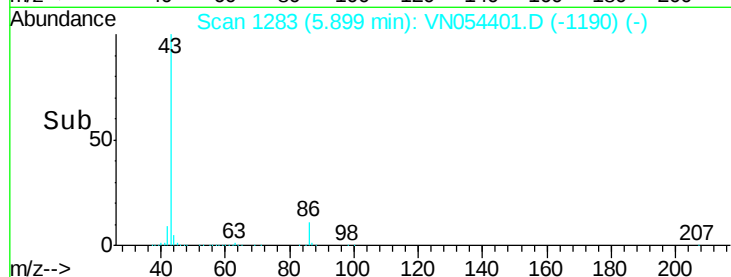
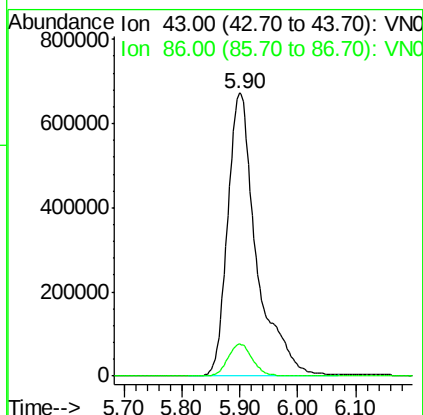
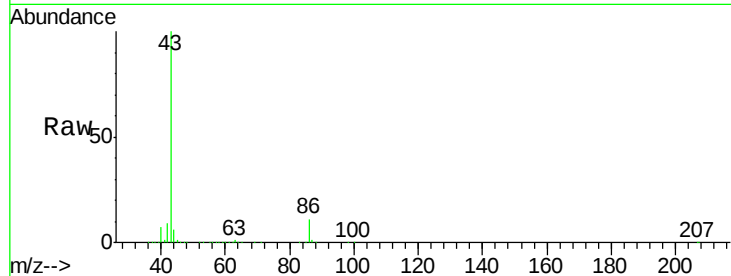
VN0318MBS01

Tot Ion: 43 Resp: 2329616

Ion Ratio Lower Upper

43 100

86 11.3 9.1 13.7



#24

1,1-Dichloroethane

Concen: 22.521 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

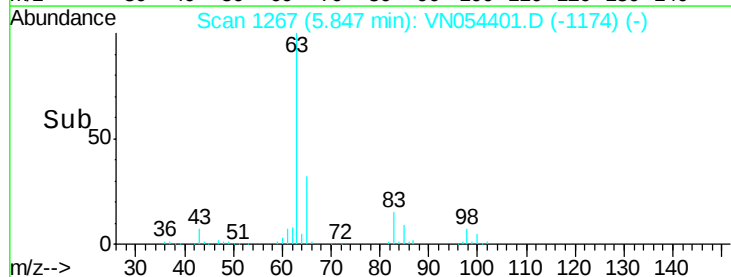
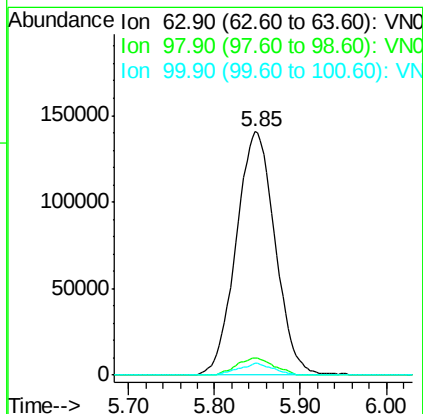
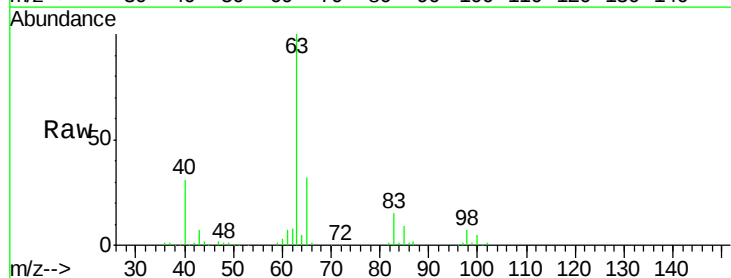
Tgt Ion: 63 Resp: 442697

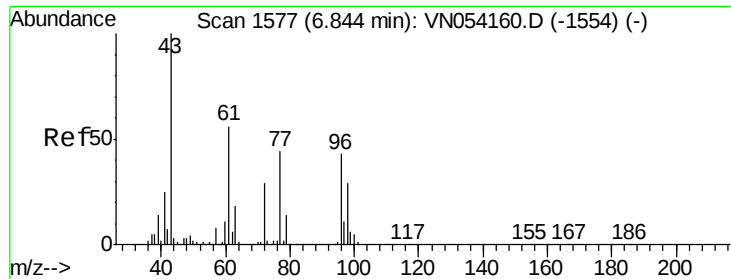
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.6 2.0 6.0

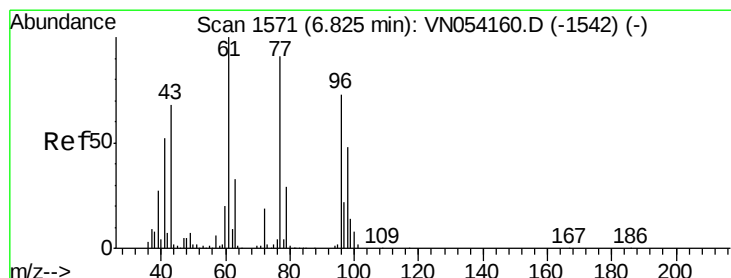
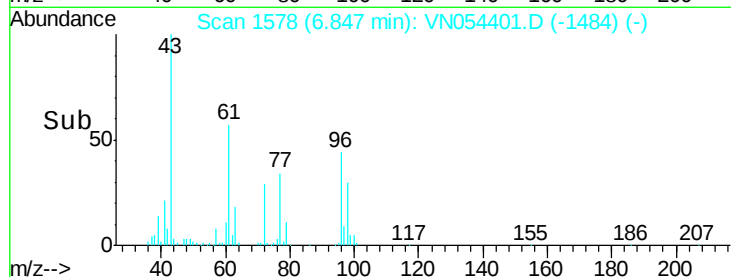
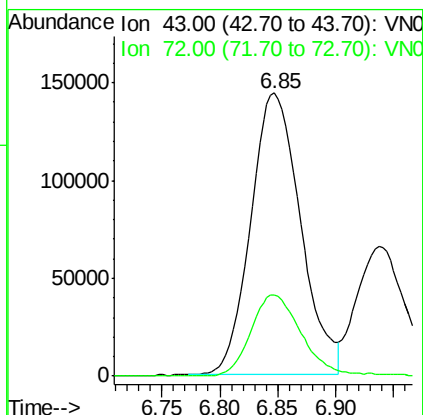
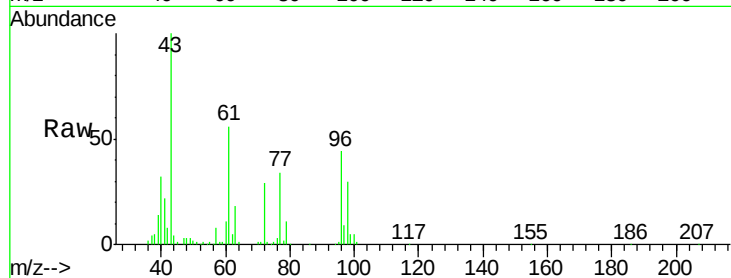




#25
2-Butanone
Concen: 104.893 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

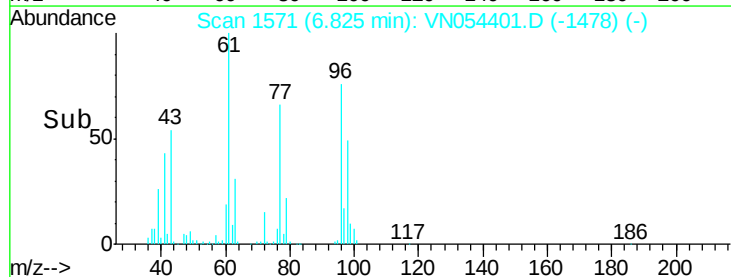
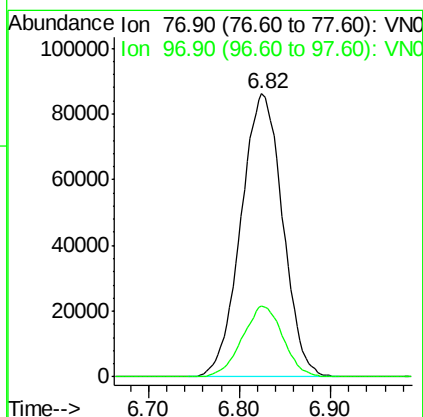
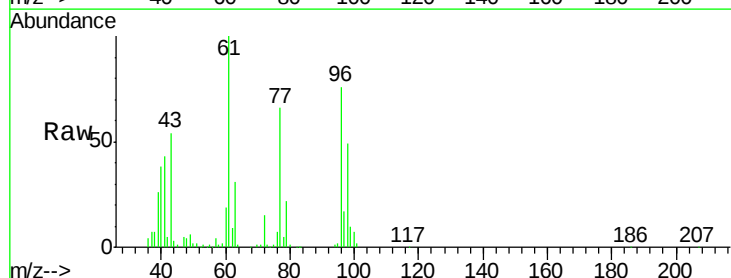
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion: 43 Resp: 430800
Ion Ratio Lower Upper
43 100
72 28.7 23.0 34.6



#26
2,2-Dichloropropane
Concen: 15.882 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 77 Resp: 274534
Ion Ratio Lower Upper
77 100
97 24.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 22.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

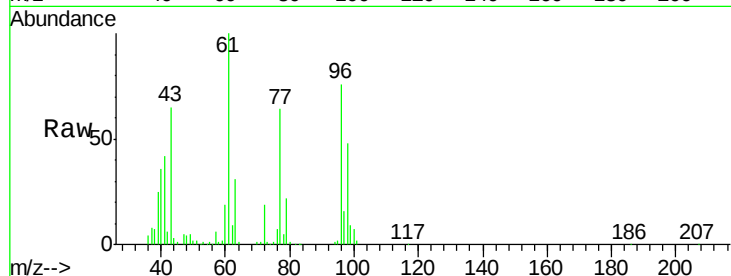
Tot Ion: 96 Resp: 290637

Ion Ratio Lower Upper

96 100

61 130.7 0.0 273.0

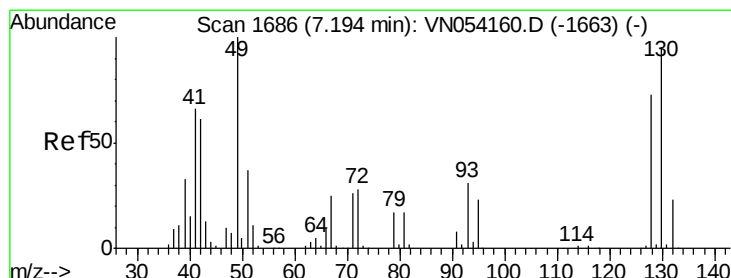
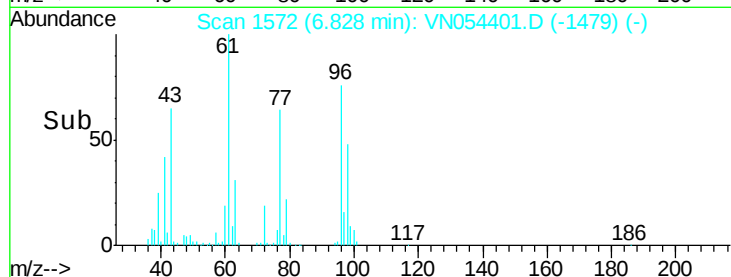
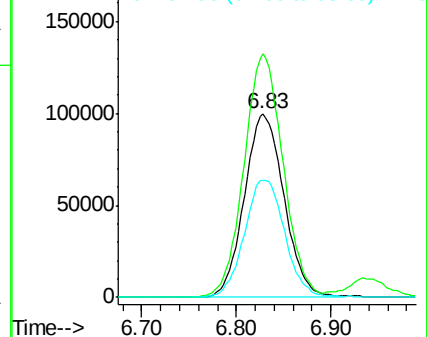
98 64.9 0.0 130.6



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: 21.001 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

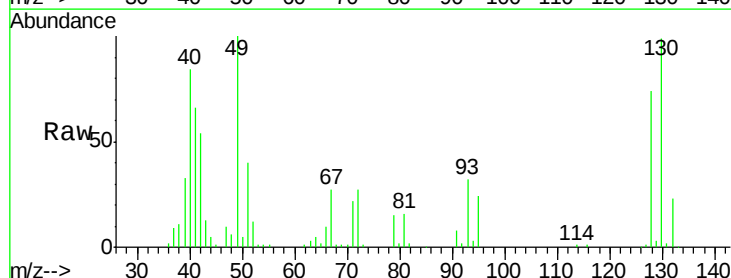
Tgt Ion: 49 Resp: 168764

Ion Ratio Lower Upper

49 100

129 2.4 0.0 4.6

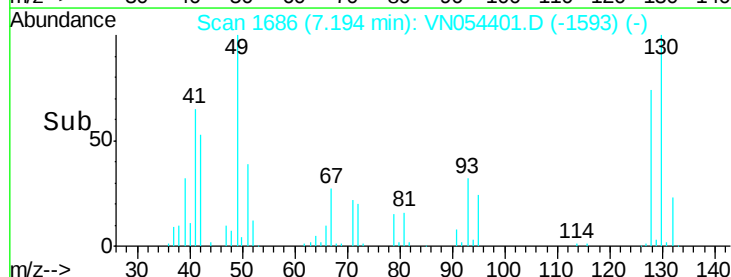
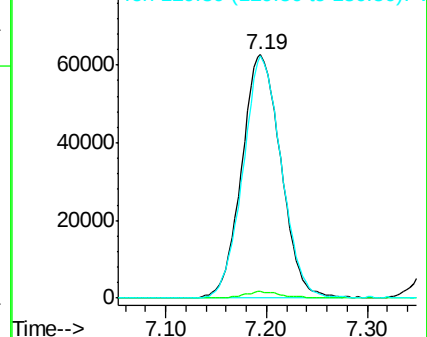
130 97.0 76.7 115.1

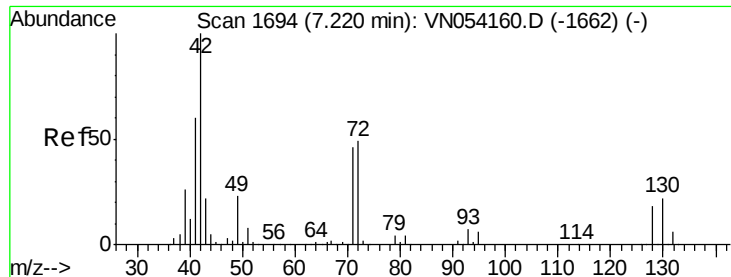


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

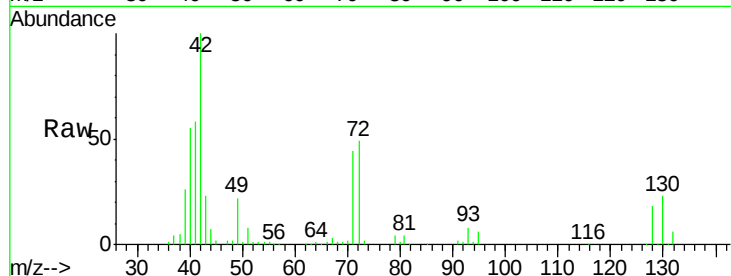




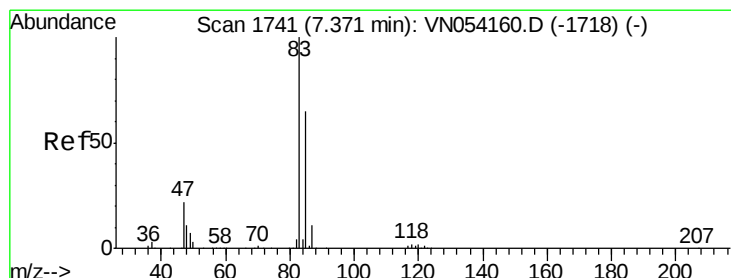
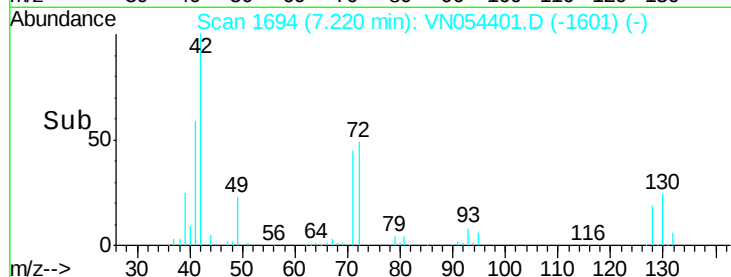
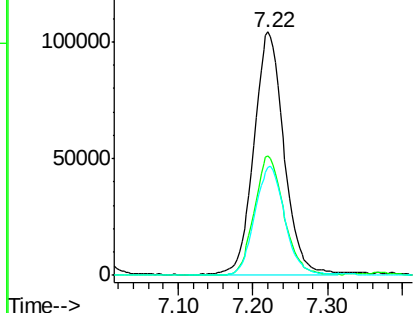
#29
Tetrahydrofuran
Concen: 109.801 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

Tot Ion: 42 Resp: 289947
Ion Ratio Lower Upper
42 100
72 47.9 37.8 56.6
71 45.0 36.2 54.2

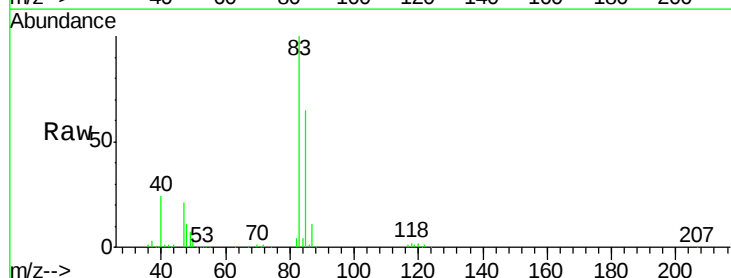


Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

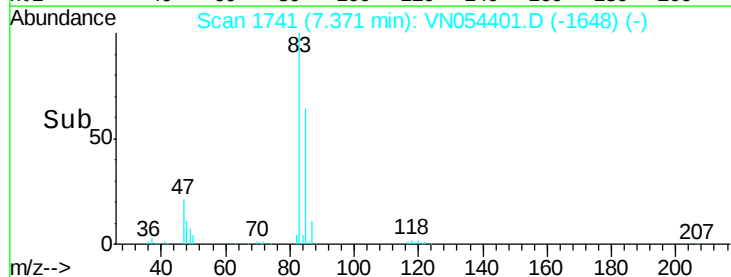
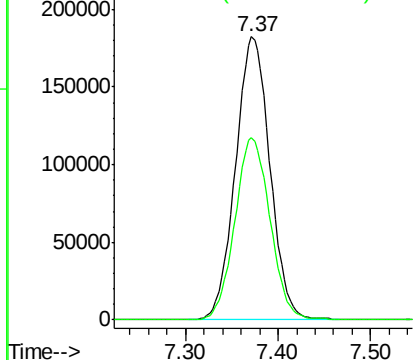


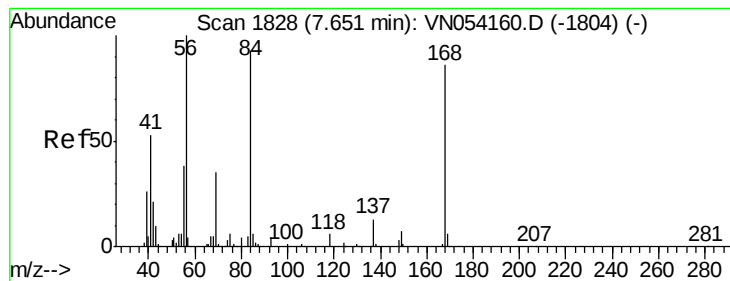
#30
Chloroform
Concen: 22.886 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 83 Resp: 469434
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4



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





#31

Cyclohexane

Concen: 19.620 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

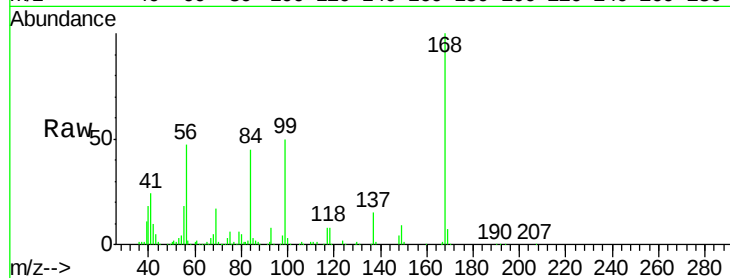
Tot Ion: 56 Resp: 374280

Ion Ratio Lower Upper

56 100

69 37.1 27.8 41.6

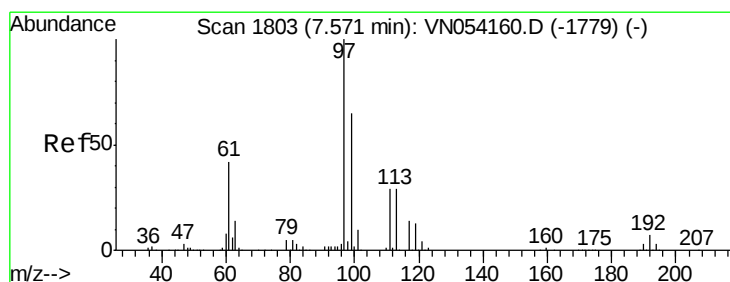
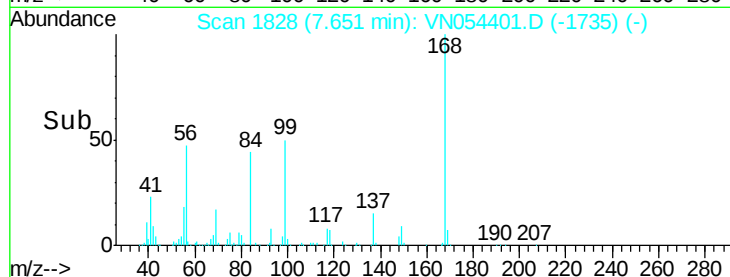
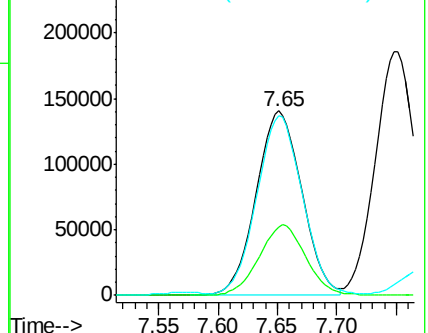
84 95.6 74.6 111.8



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: 21.040 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

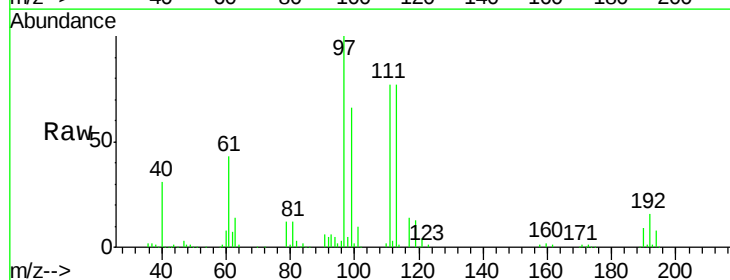
Tgt Ion: 97 Resp: 389758

Ion Ratio Lower Upper

97 100

99 64.2 51.5 77.3

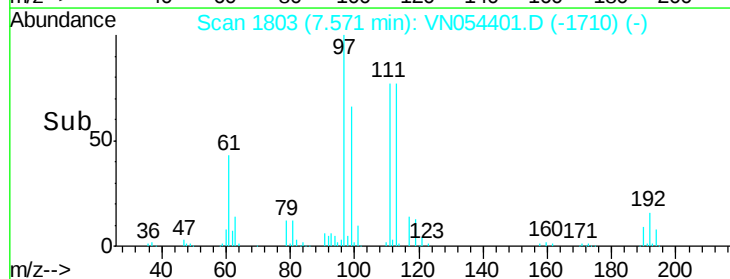
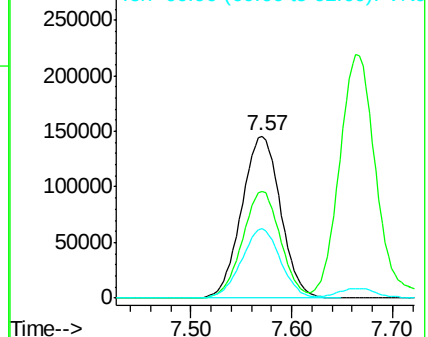
61 42.9 33.6 50.4

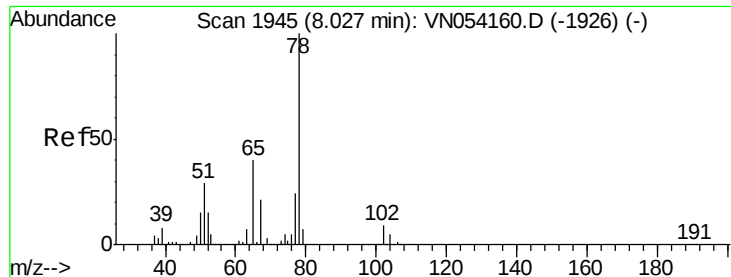


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.671 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

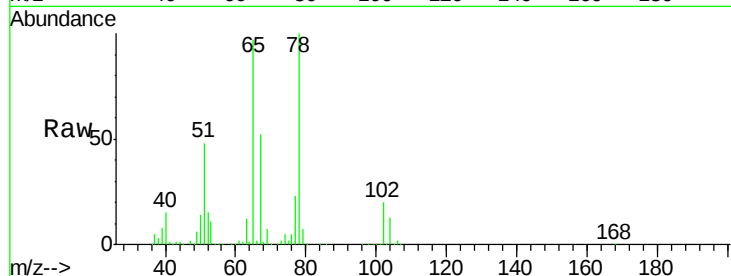
VN0318MBS01

Tot Ion: 65 Resp: 643704

Ion Ratio Lower Upper

65 100

67 53.3 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

250000

200000

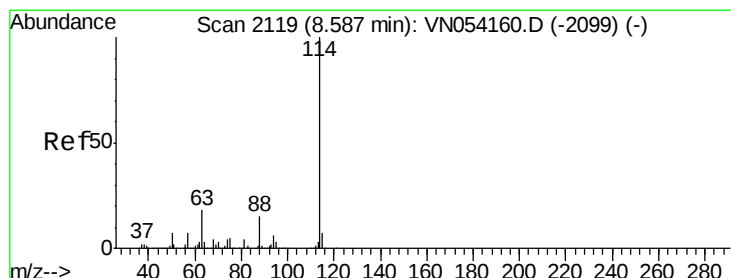
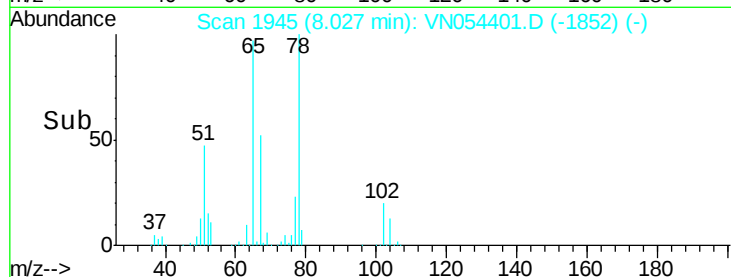
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

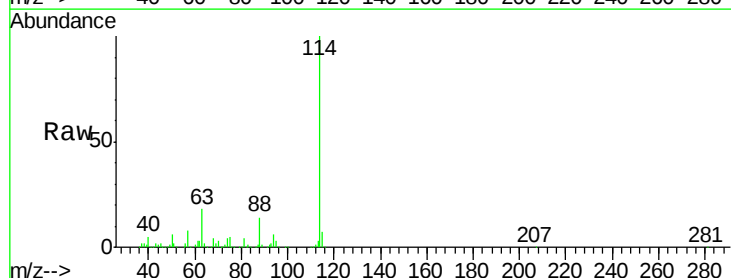
Tgt Ion: 114 Resp: 1848285

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

88 14.4 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

1000000

800000

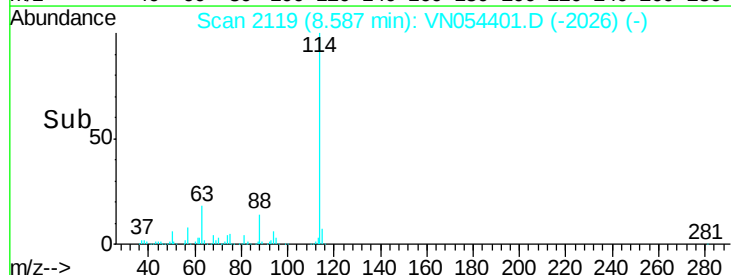
600000

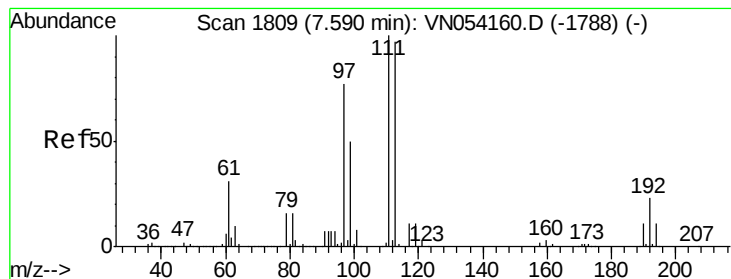
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.989 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

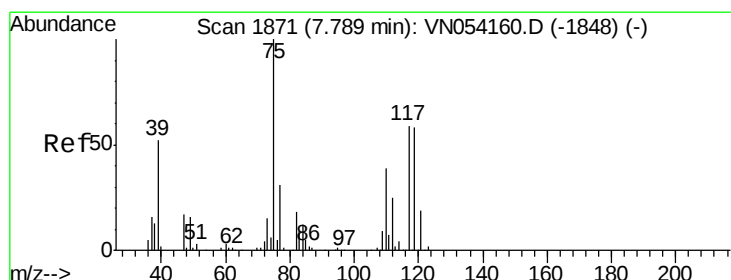
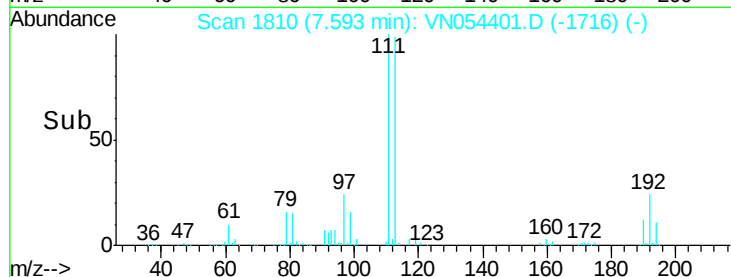
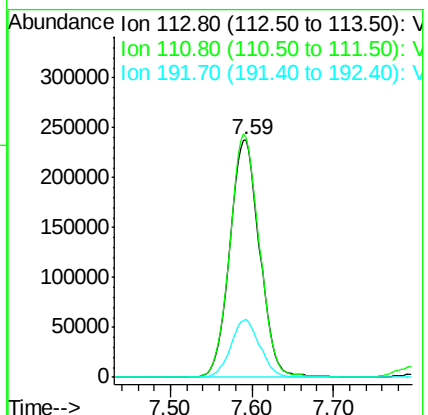
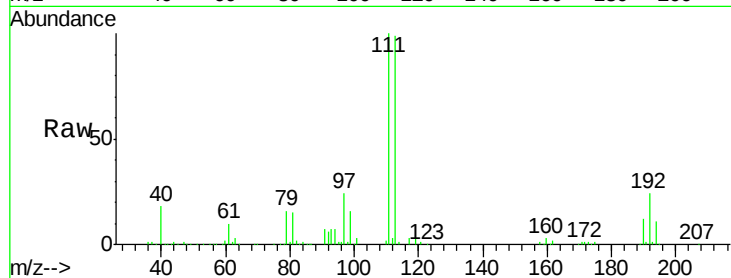
Tot Ion:113 Resp: 607823

Ion Ratio Lower Upper

113 100

111 101.6 82.2 123.4

192 23.6 19.2 28.8



#36

1,1-Dichloropropene

Concen: 19.768 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

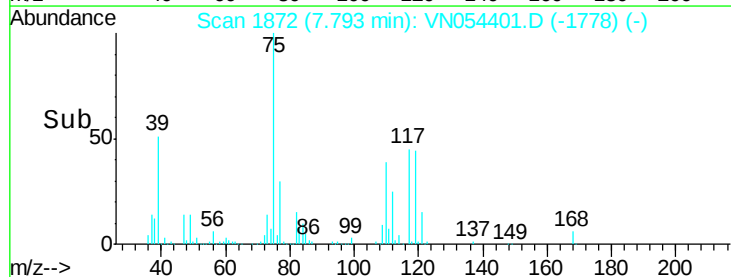
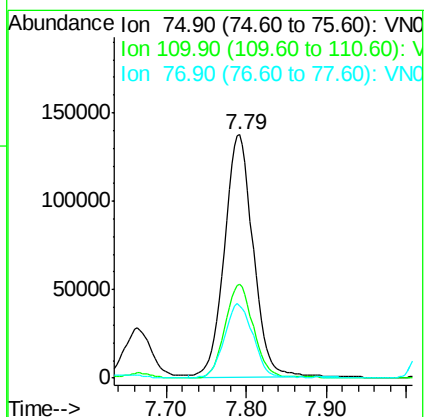
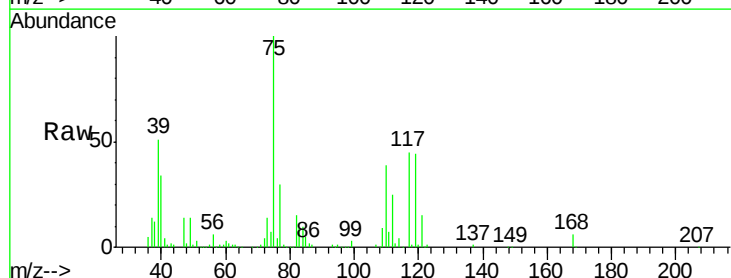
Tgt Ion: 75 Resp: 336473

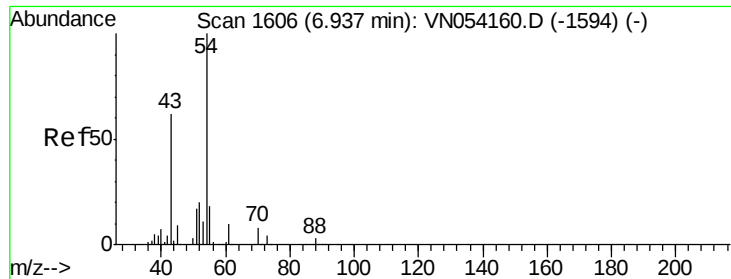
Ion Ratio Lower Upper

75 100

110 38.4 19.1 57.5

77 31.1 25.0 37.4

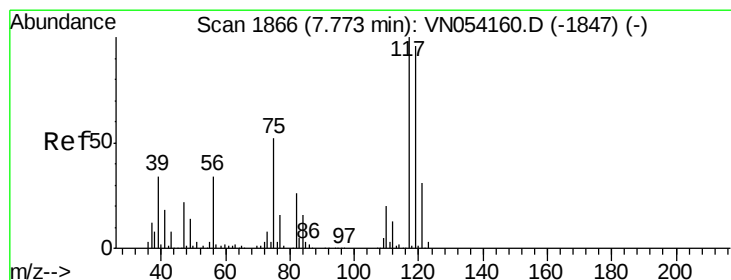
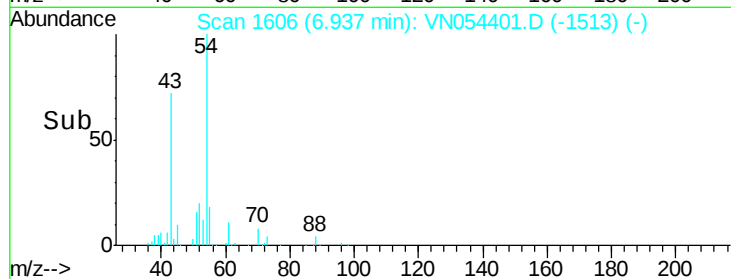
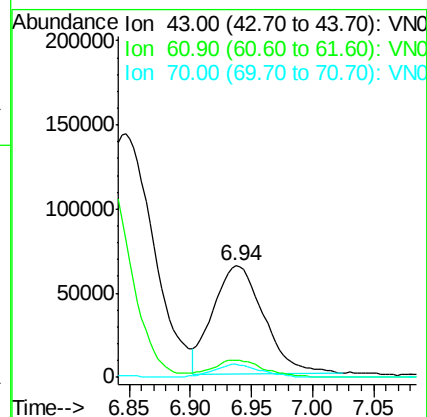
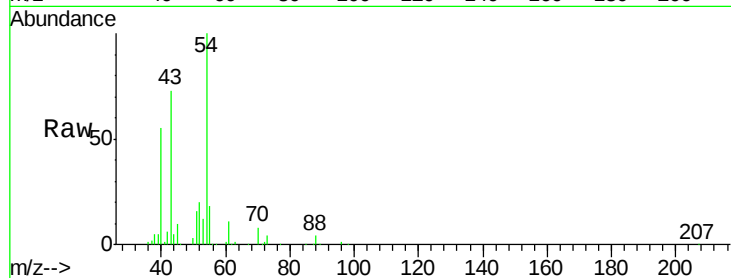




#37
Ethyl Acetate
Concen: 19.188 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

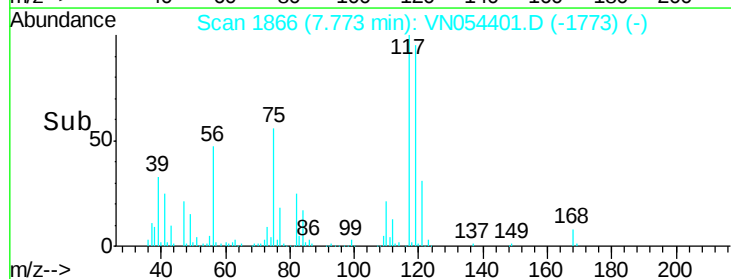
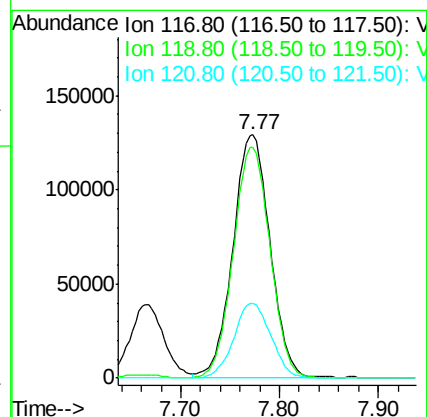
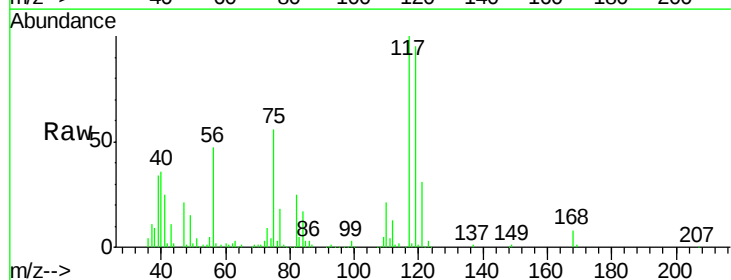
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

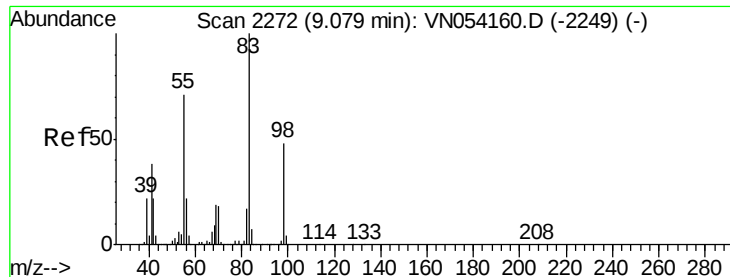
Tot Ion: 43 Resp: 187660
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 10.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.855 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 117 Resp: 336552
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 30.8 24.6 36.8

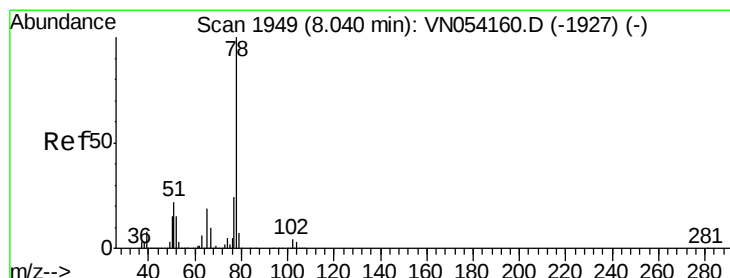
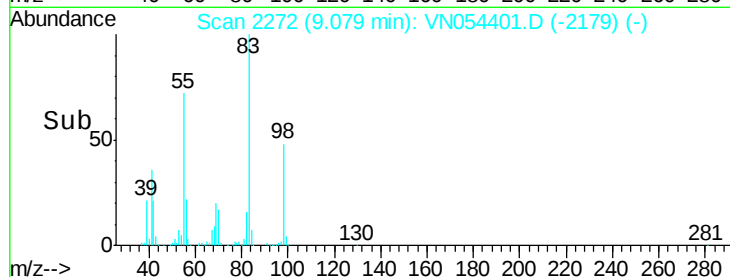
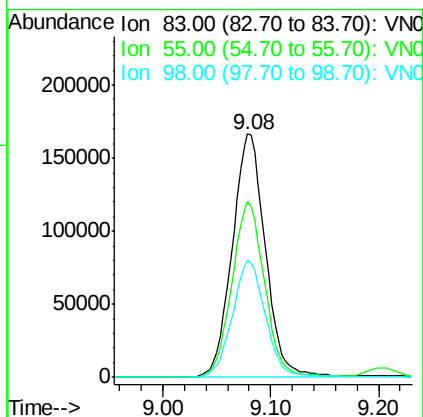
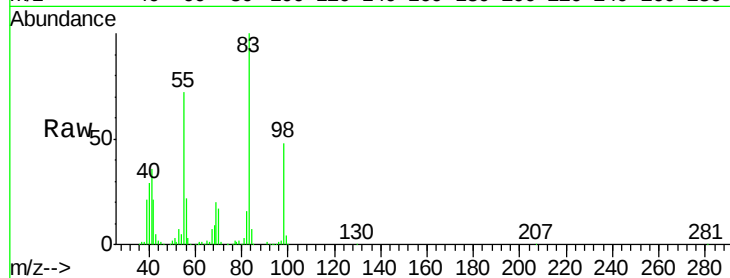




#39
Methvlcvclohexane
Concen: 17.048 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

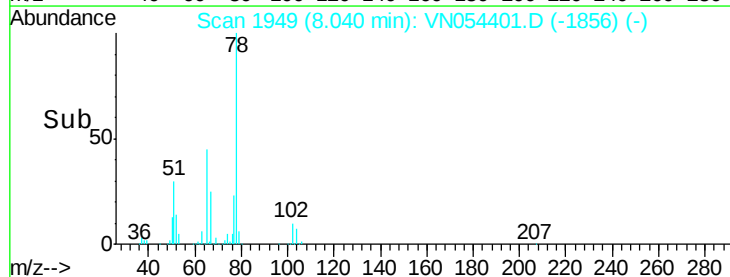
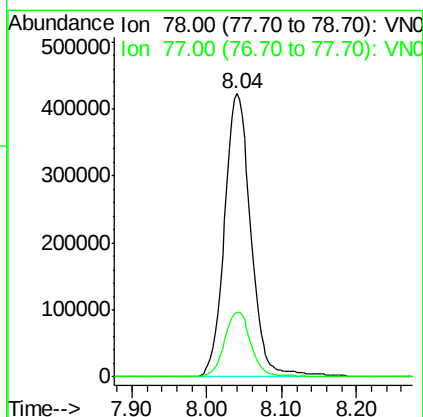
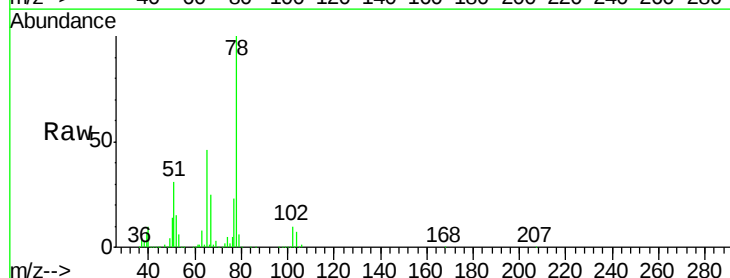
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

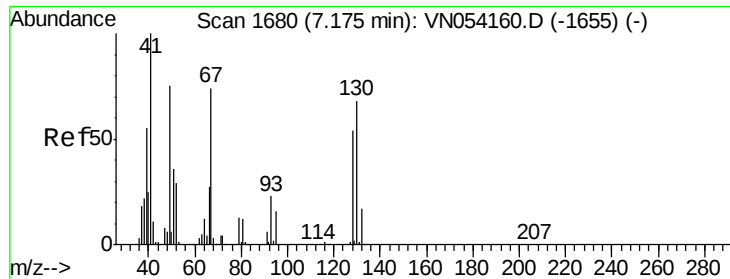
Tot Ion: 83 Resp: 357034
Ion Ratio Lower Upper
83 100
55 72.0 56.6 84.8
98 48.0 38.4 57.6



#40
Benzene
Concen: 21.212 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 78 Resp: 1033211
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7

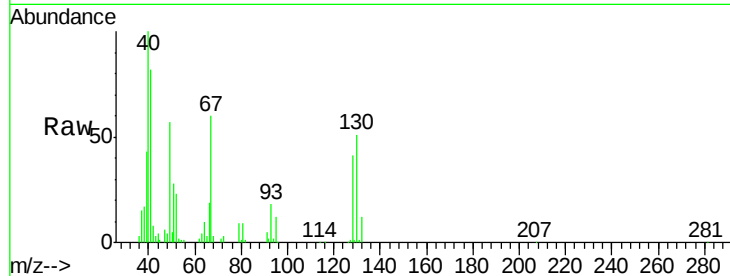




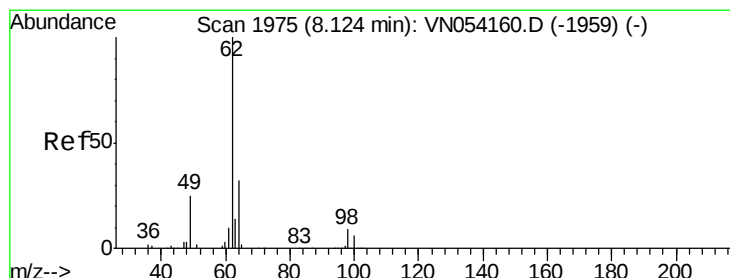
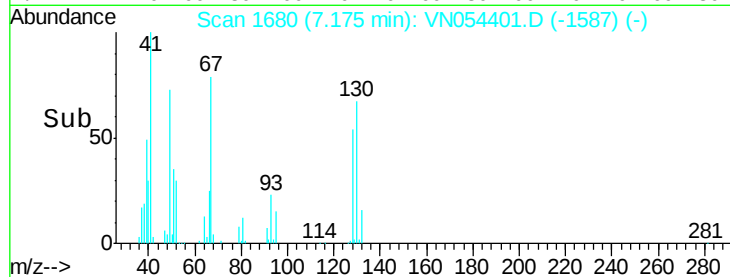
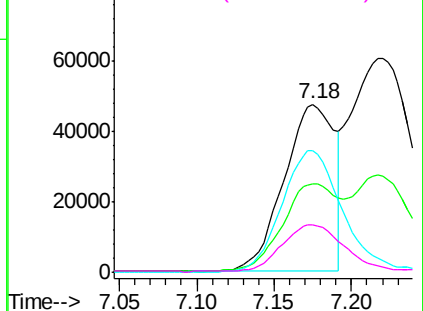
#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion:	41	Resp:	107586
Ion	Ratio	Lower	Upper
41	100		
39	59.3	46.8	70.2
67	87.9	67.0	100.4
52	33.6	26.5	39.7

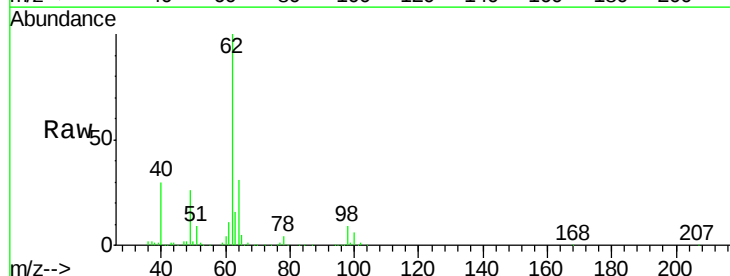


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

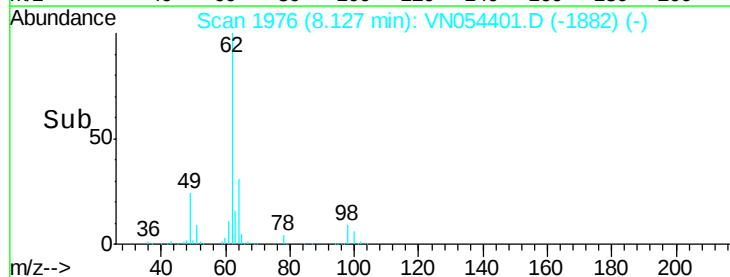
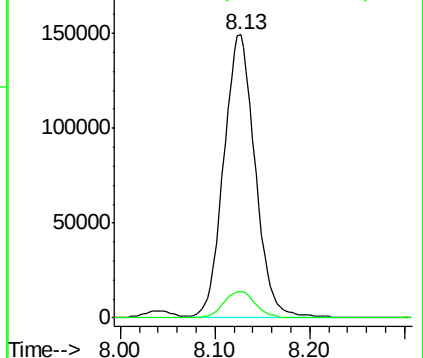


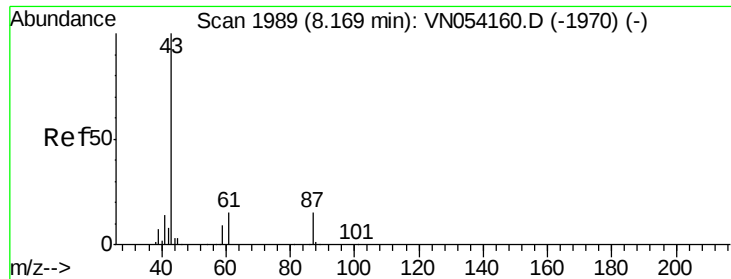
#42
1,2-Dichloroethane
Concen: 20.865 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion:	62	Resp:	343120
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.4



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



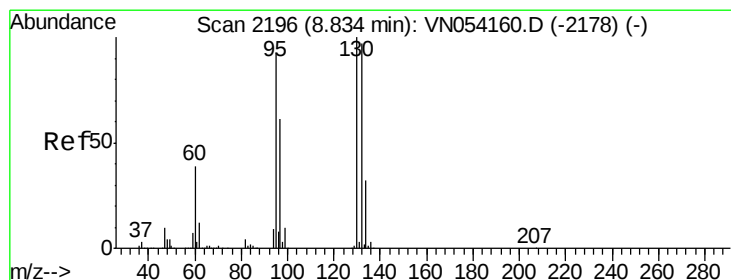
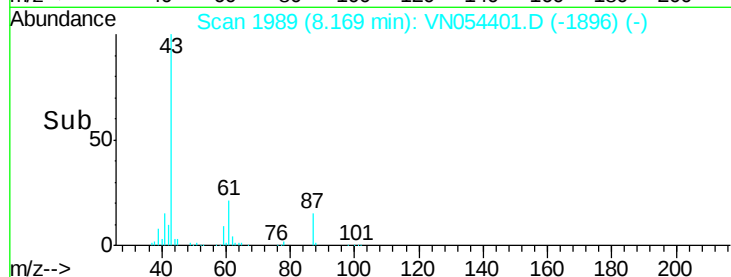
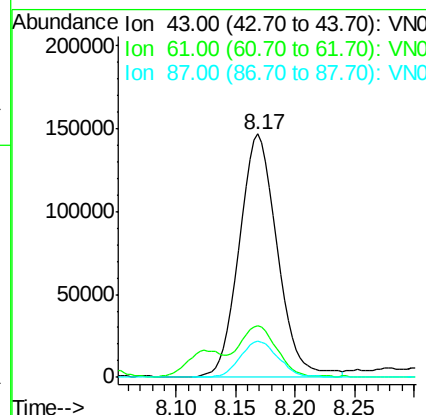
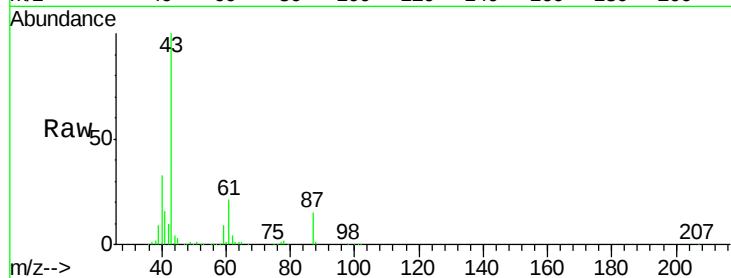


#43

Isopropyl Acetate
 Concen: 18.803 ug/l
 RT: 8.17 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

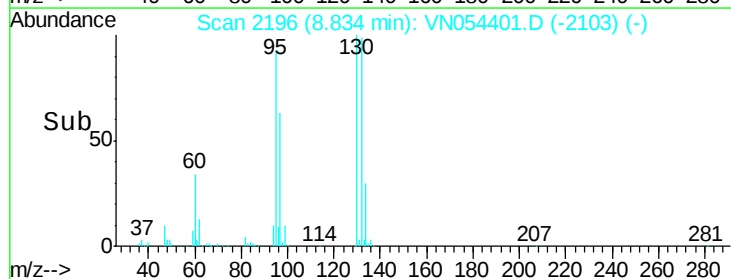
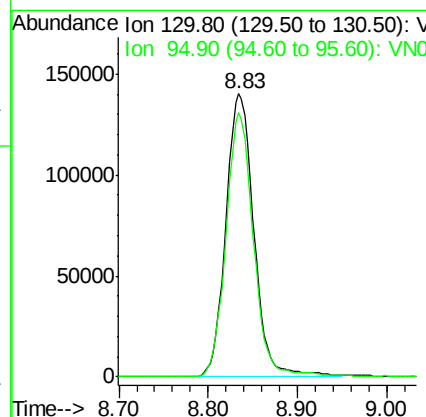
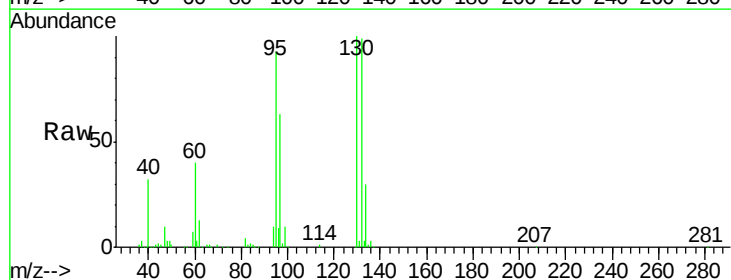
Tot Ion	43	Resp	322793
Ion Ratio	Lower	Upper	
43	100		
61	20.4	15.8	23.8
87	14.9	12.0	18.0

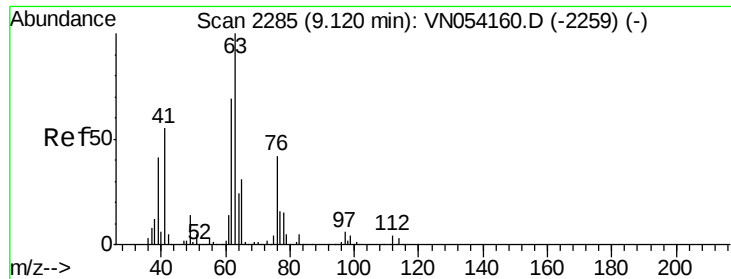


#44

Trichloroethene
 Concen: 20.189 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	130	Resp	305484
Ion Ratio	Lower	Upper	
130	100		
95	93.2	0.0	185.2

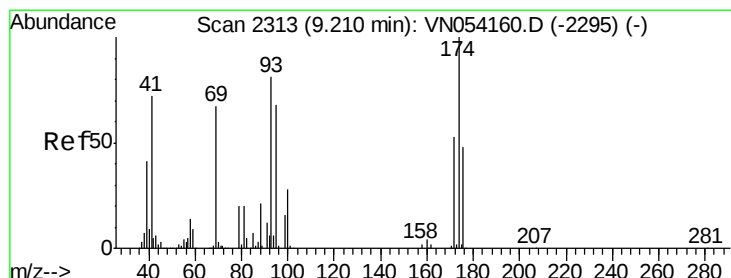
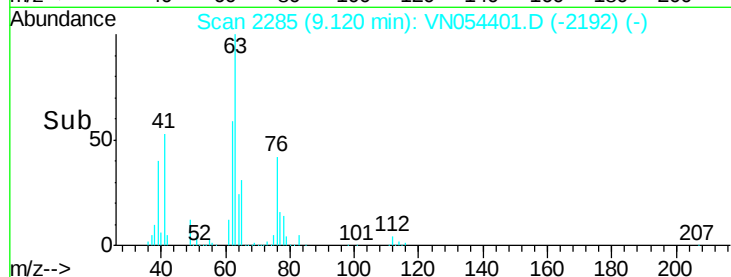
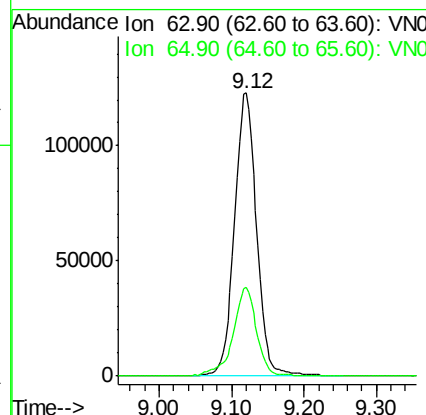
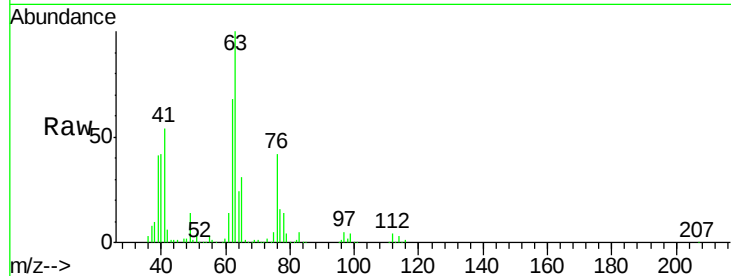




#45
 1,2-Dichloropropane
 Concen: 21.648 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

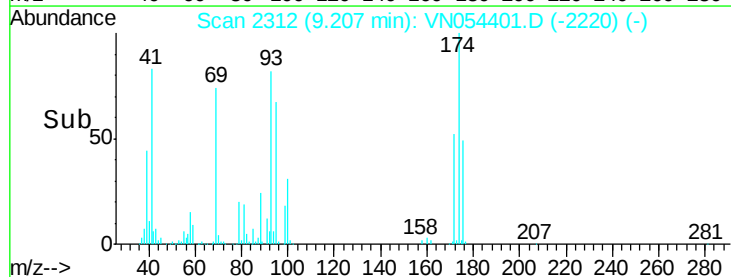
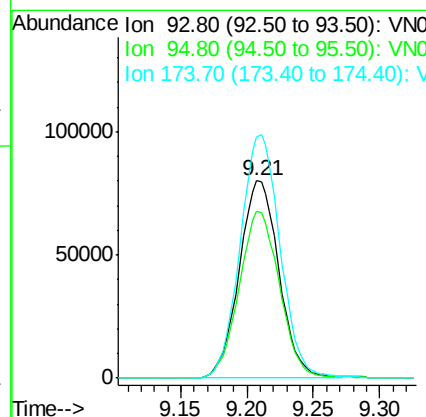
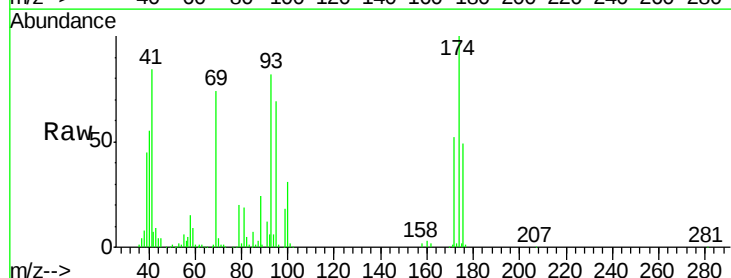
Instrument :
 MSVOA_N
 ClientSampled :
 VN0318MBS01

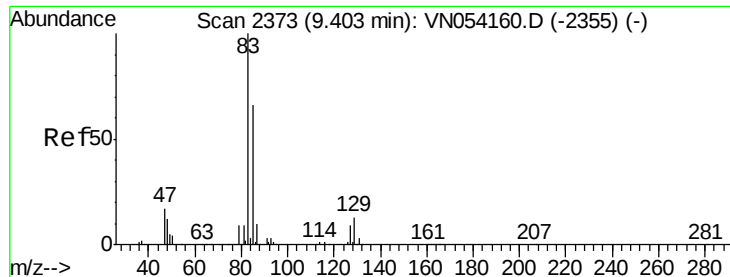
Tot Ion: 63 Resp: 261819
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 20.394 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion: 93 Resp: 166653
 Ion Ratio Lower Upper
 93 100
 95 86.2 66.7 100.1
 174 124.1 98.5 147.7





#47

Bromodichloromethane

Concen: 20.200 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

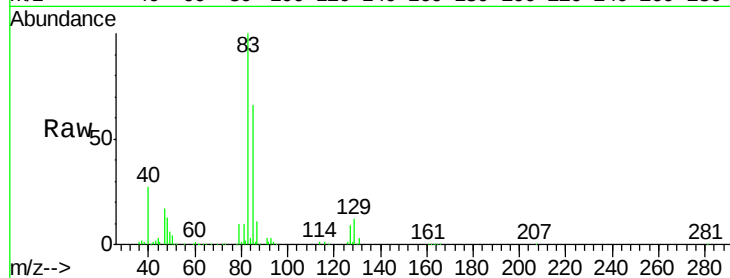
Tot Ion: 83 Resp: 330920

Ion Ratio Lower Upper

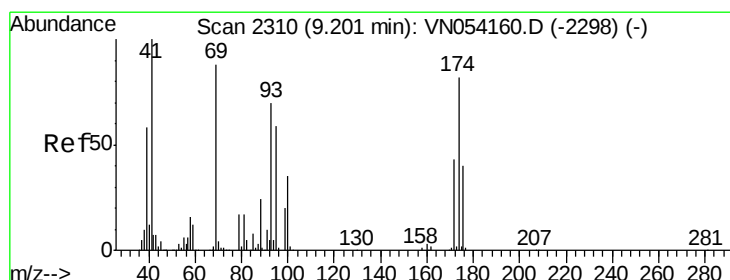
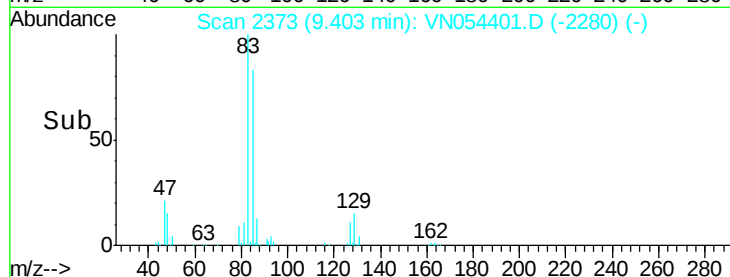
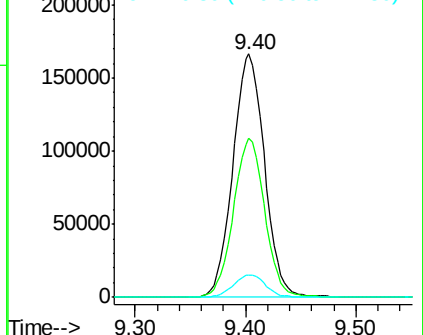
83 100

85 65.5 52.8 79.2

127 9.1 7.4 11.2



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): V



#48

Methyl methacrylate

Concen: 20.100 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

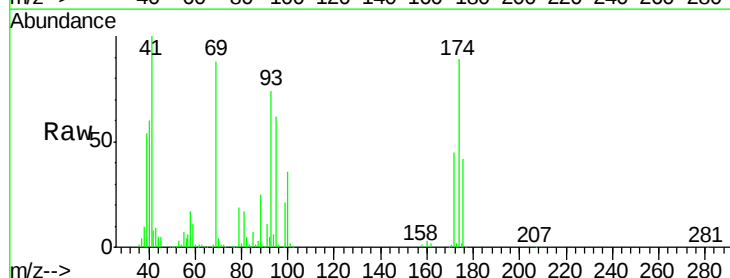
Tgt Ion: 41 Resp: 175105

Ion Ratio Lower Upper

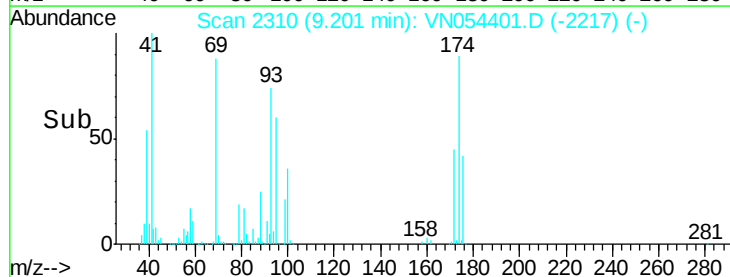
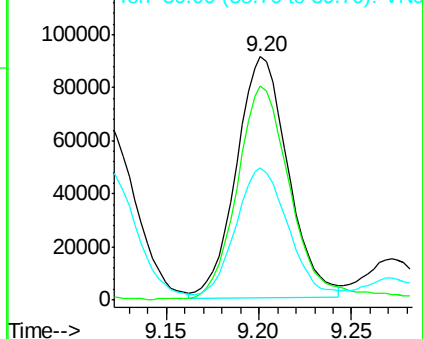
41 100

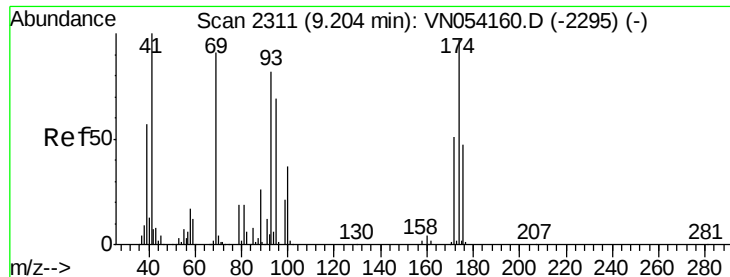
69 92.8 72.6 108.8

39 56.9 47.5 71.3



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: 411.585 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

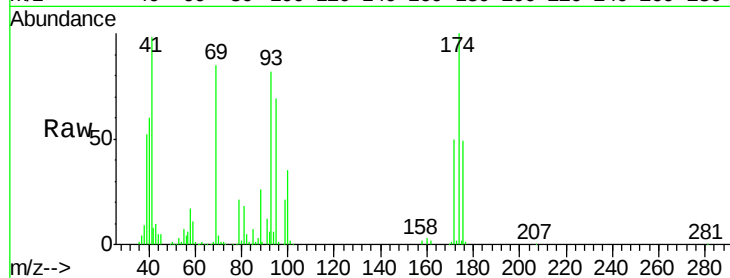
Tot Ion: 88 Resp: 50719

Ion Ratio Lower Upper

88 100

43 30.9 24.1 36.1

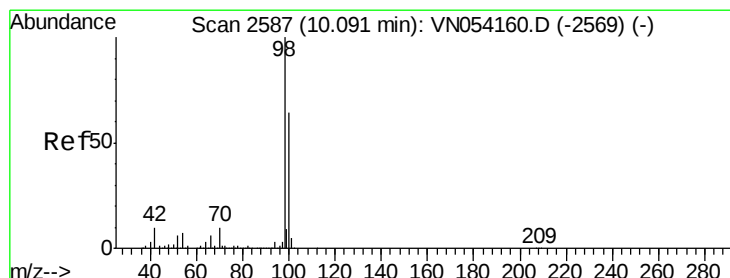
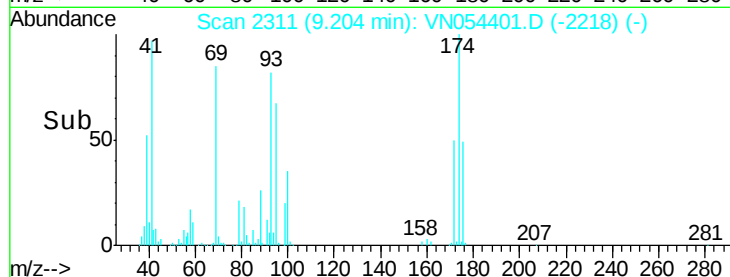
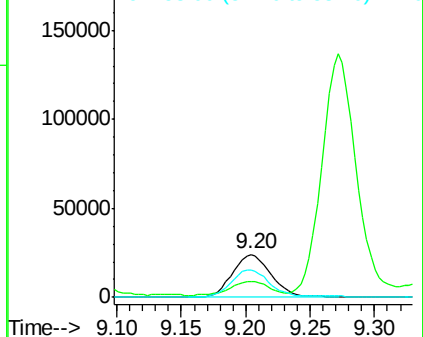
58 63.1 50.8 76.2



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: 49.034 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054401.D

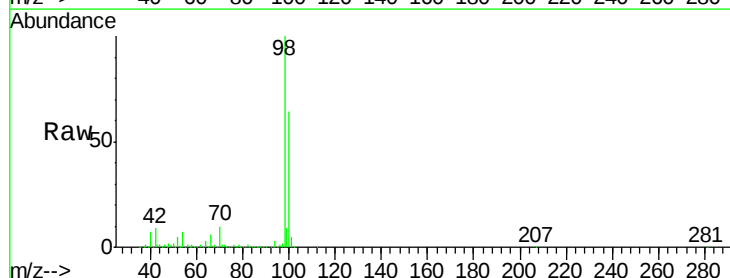
Acq: 18 Mar 2019 18:33

Tgt Ion: 98 Resp: 2158698

Ion Ratio Lower Upper

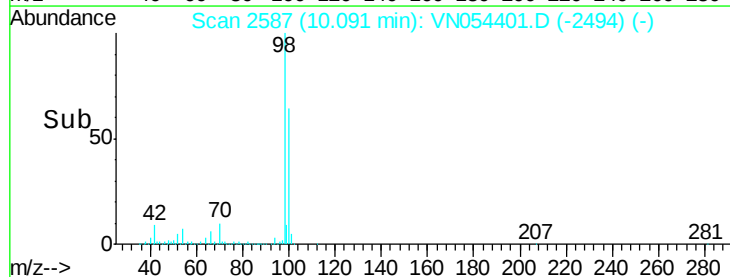
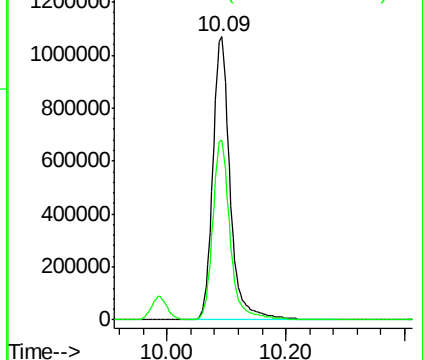
98 100

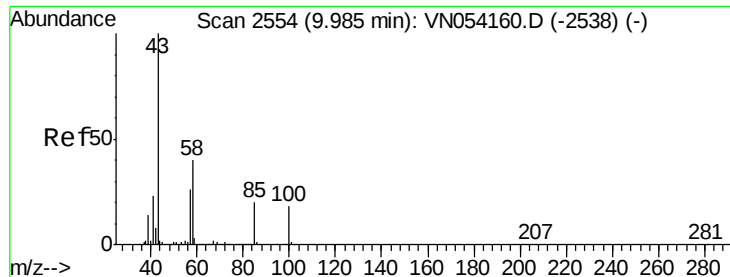
100 63.5 51.2 76.8



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: 103.919 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

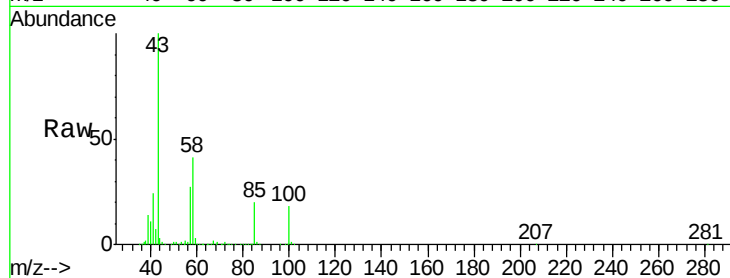
VN0318MBS01

Tot Ion: 43 Resp: 944079

Ion Ratio Lower Upper

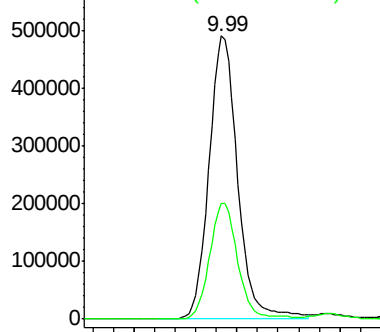
43 100

58 40.4 31.8 47.6

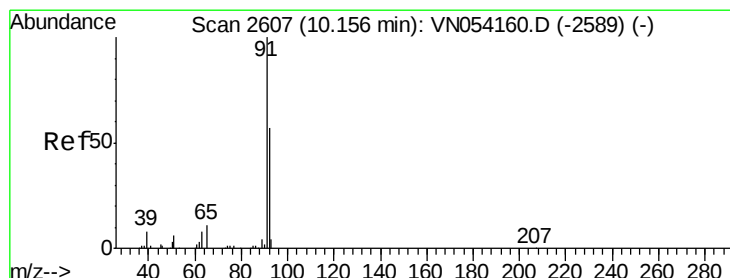
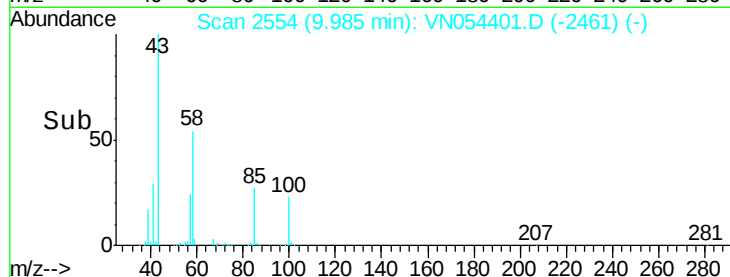


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 20.641 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054401.D

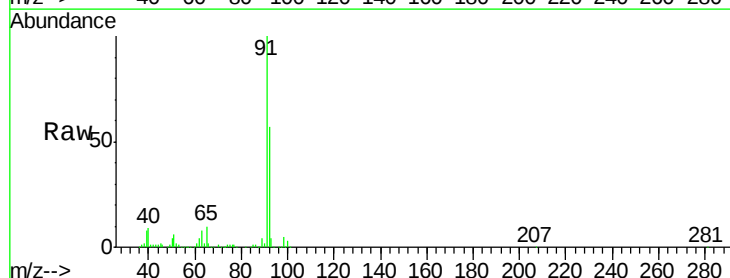
Acq: 18 Mar 2019 18:33

Tgt Ion: 92 Resp: 637480

Ion Ratio Lower Upper

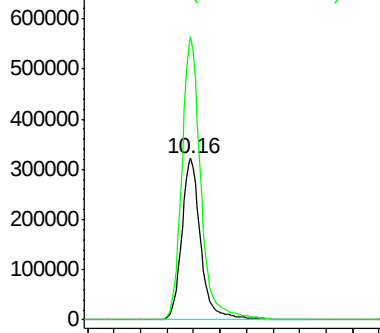
92 100

91 176.0 140.7 211.1

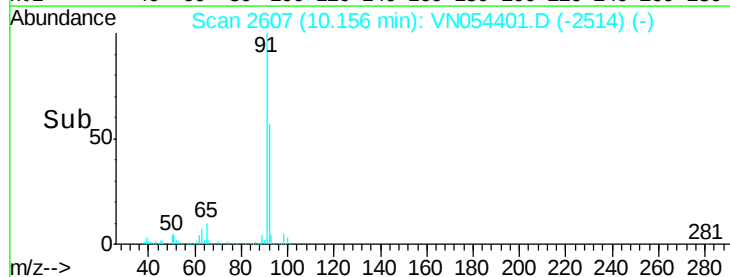


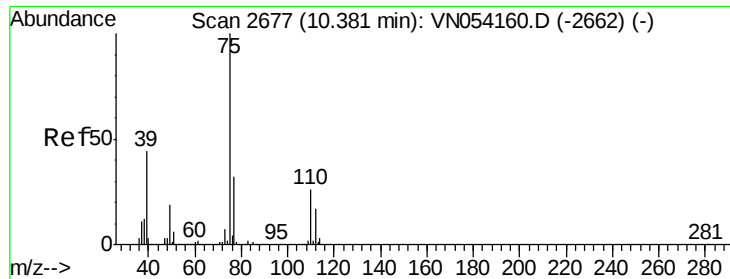
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 16.542 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

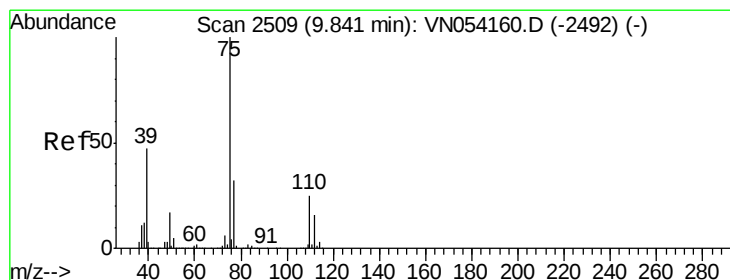
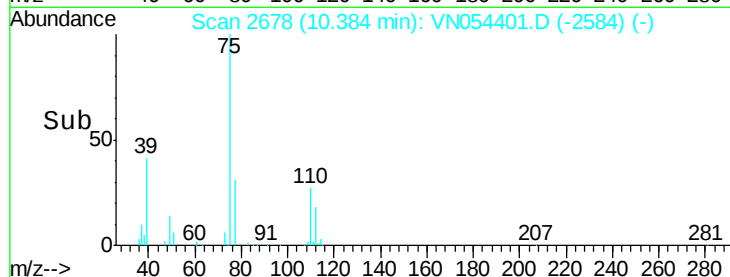
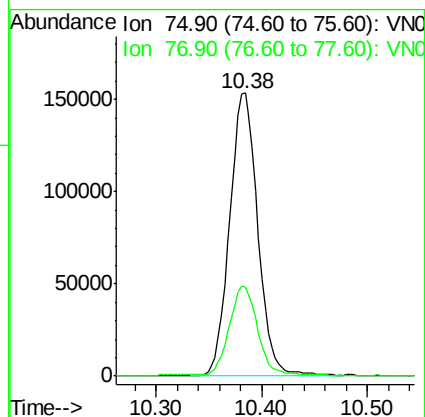
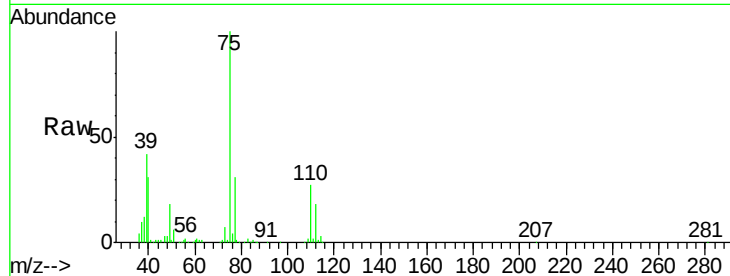
VN0318MBS01

Tot Ion: 75 Resp: 284016

Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 18.669 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

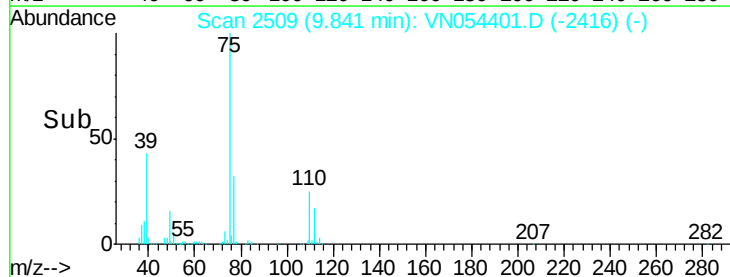
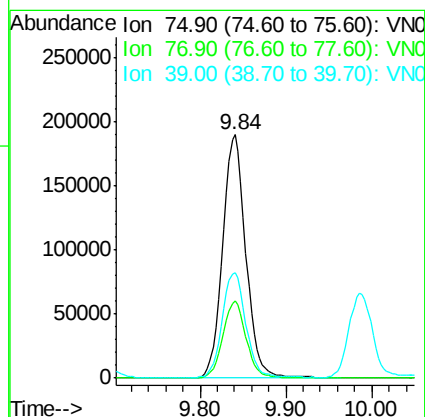
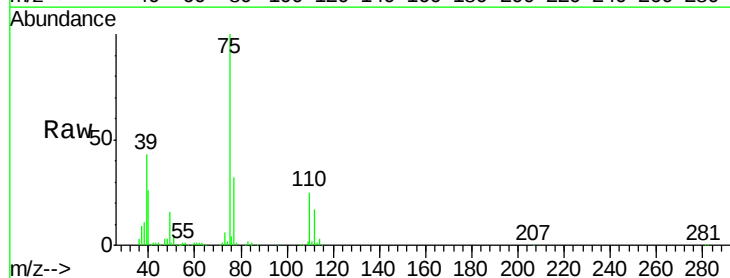
Tgt Ion: 75 Resp: 356404

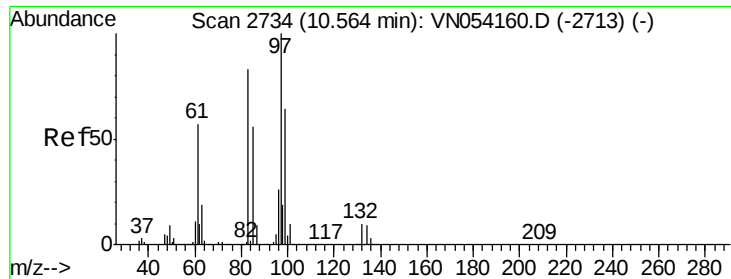
Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 43.1 37.2 55.8

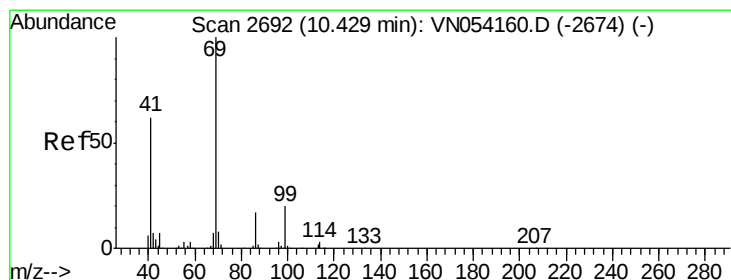
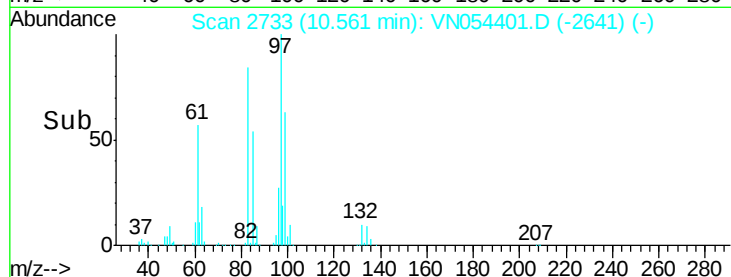
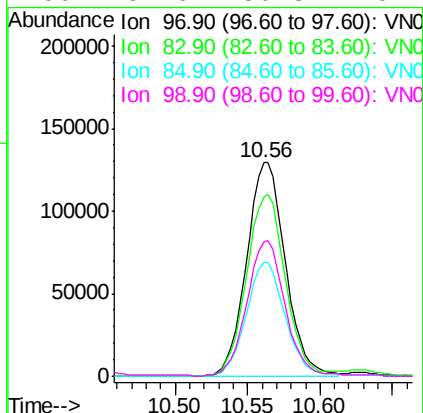
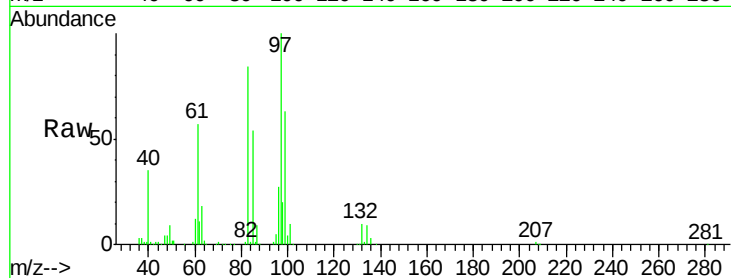




#55
 1,1,2-Trichloroethane
 Concen: 21.330 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

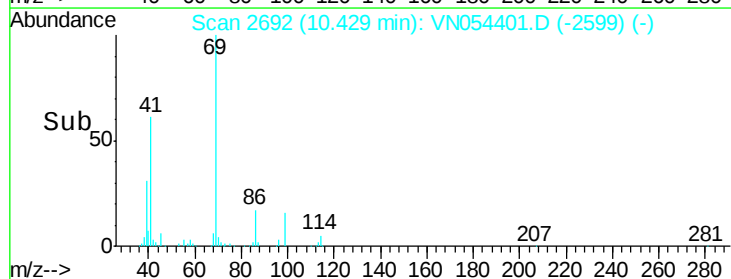
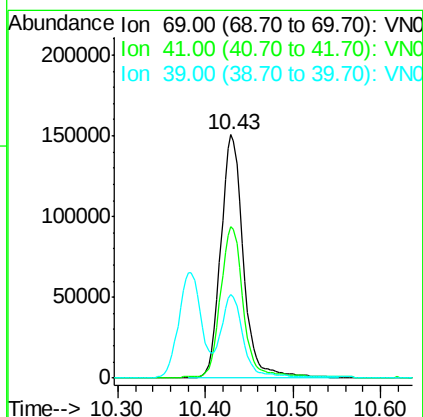
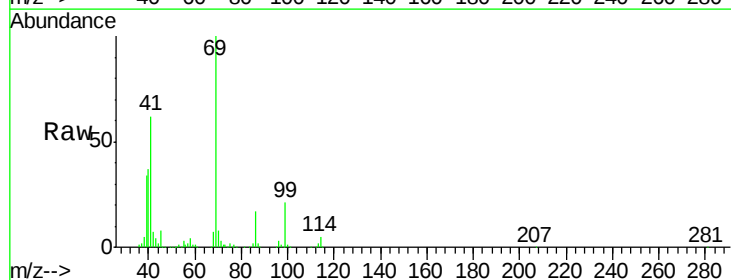
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

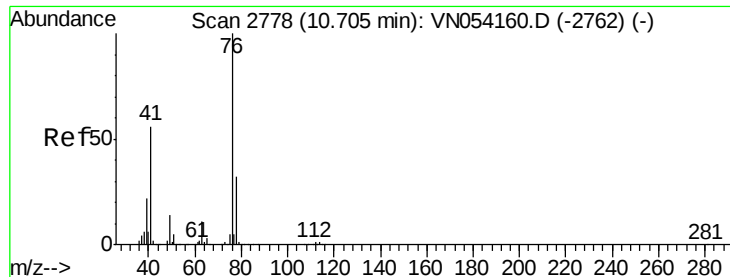
Tot Ion:	97	Resp:	240539
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	53.5	44.4	66.6
99	62.6	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.155 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion:	69	Resp:	271005
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.2
39	32.9	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.477 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

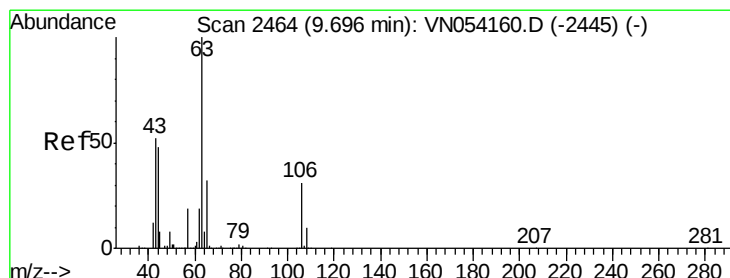
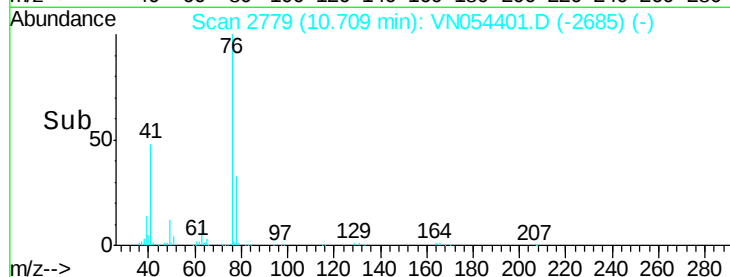
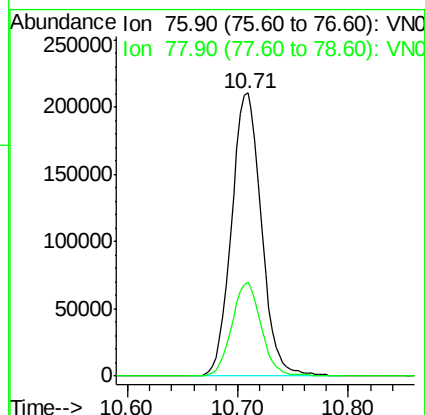
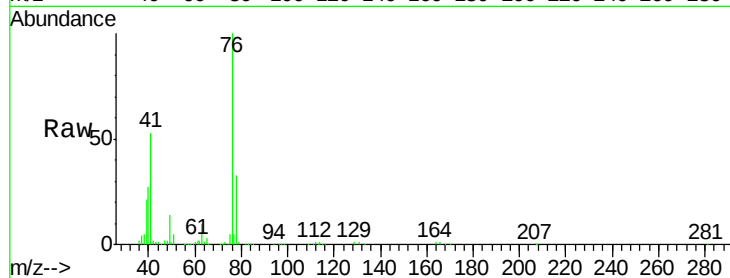
VN0318MBS01

Tot Ion: 76 Resp: 396026

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 96.317 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054401.D

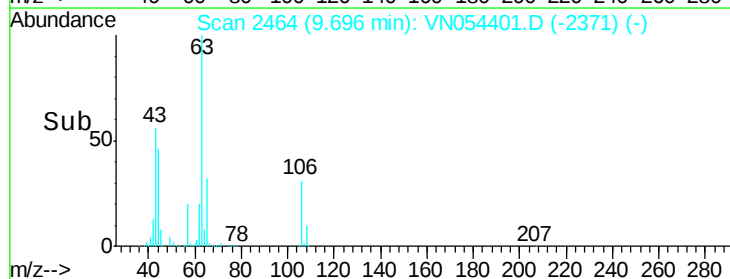
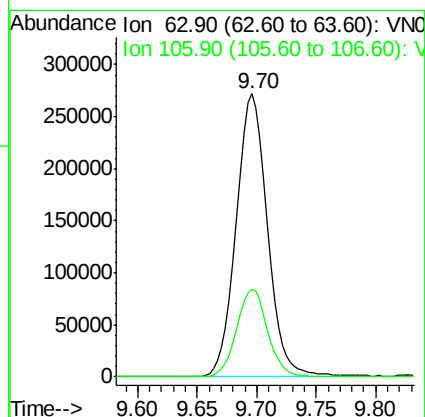
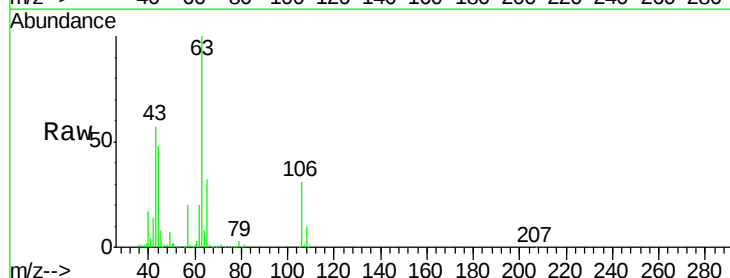
Acq: 18 Mar 2019 18:33

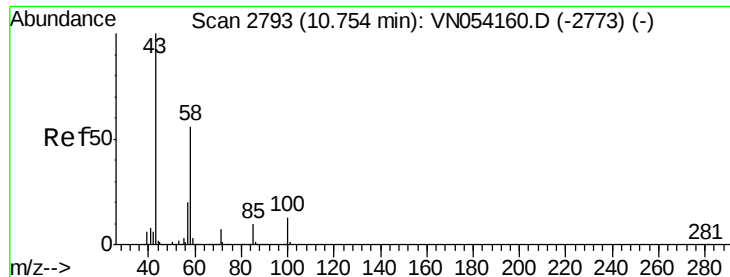
Tgt Ion: 63 Resp: 497168

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6

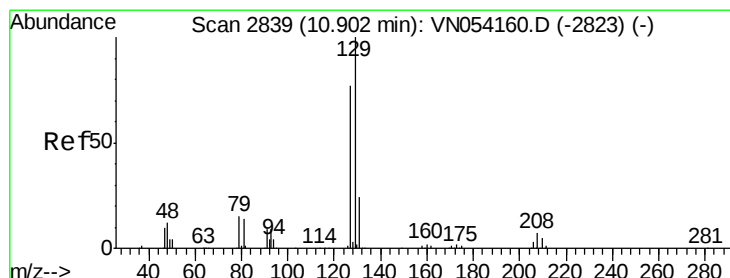
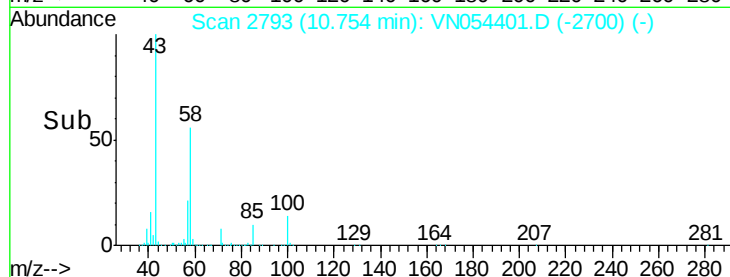
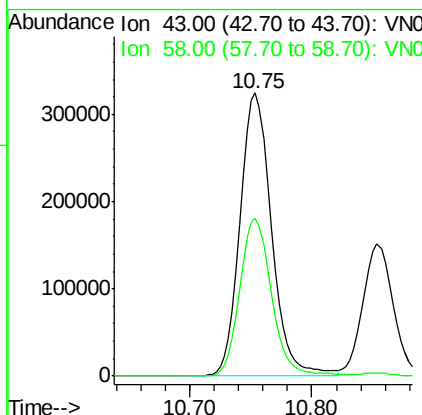
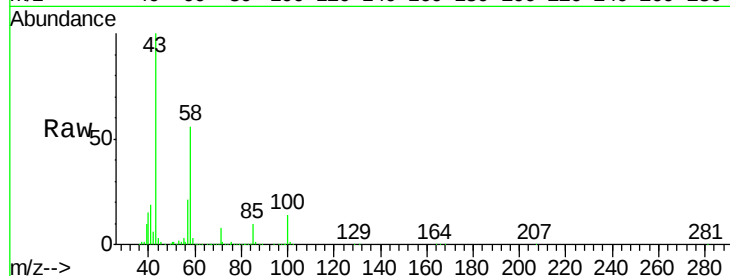




#59
2-Hexanone
Concen: 95.164 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

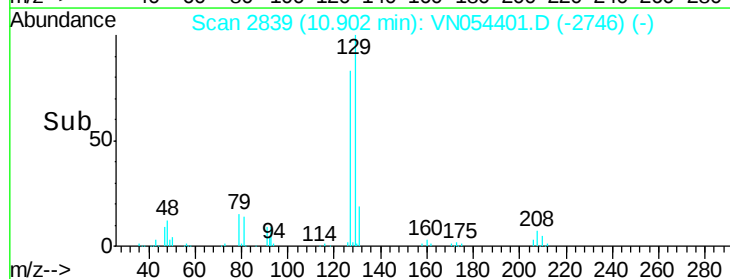
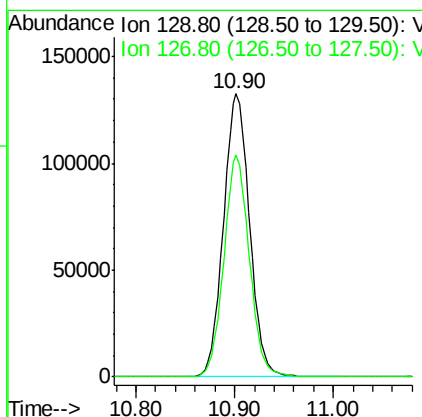
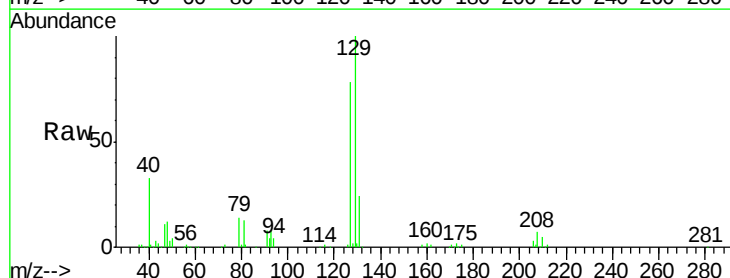
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion: 43 Resp: 575268
Ion Ratio Lower Upper
43 100
58 56.5 28.0 83.9



#60
Dibromochloromethane
Concen: 19.410 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 129 Resp: 246363
Ion Ratio Lower Upper
129 100
127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.007 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

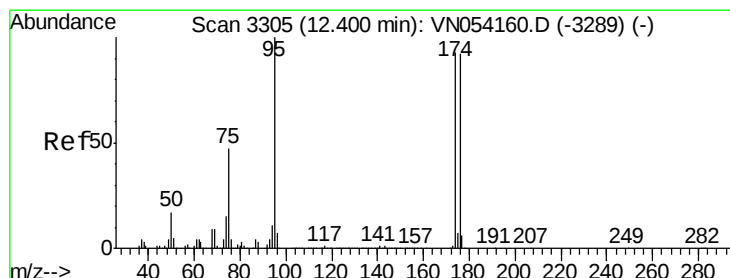
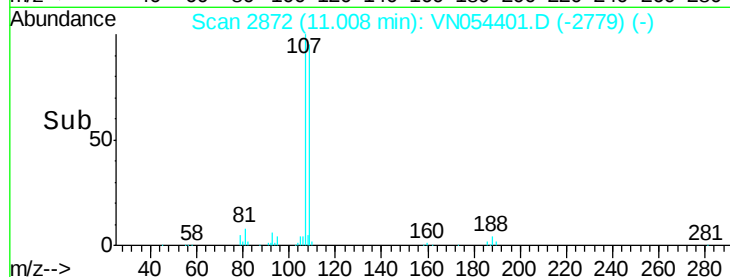
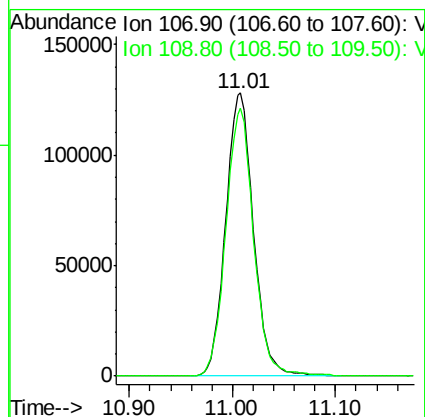
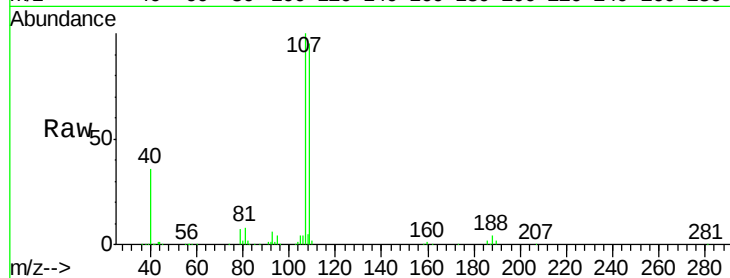
VN0318MBS01

Tot Ion:107 Resp: 240735

Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 45.777 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

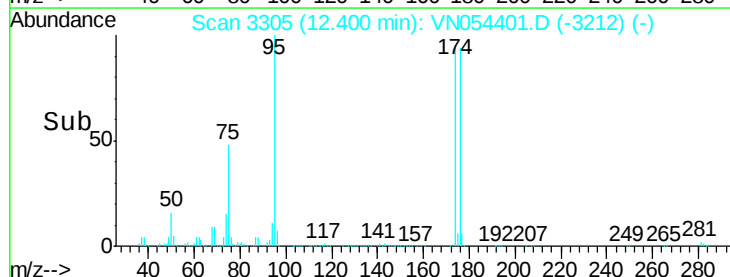
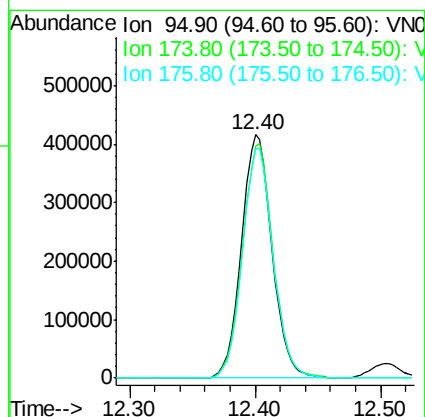
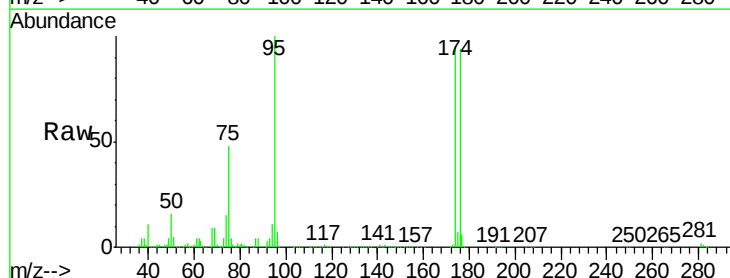
Tgt Ion: 95 Resp: 705163

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

176 94.6 0.0 187.4

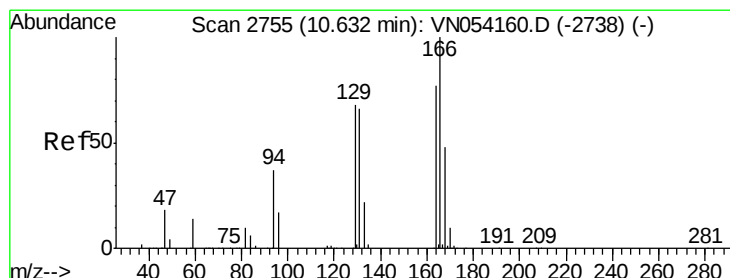
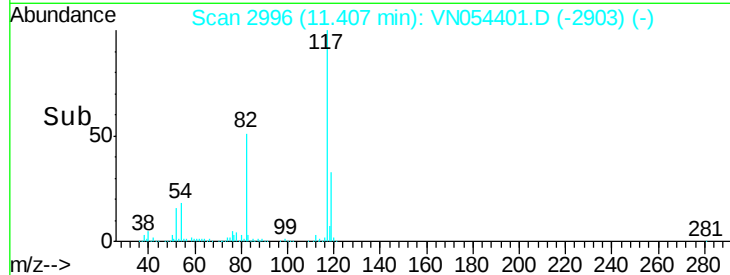
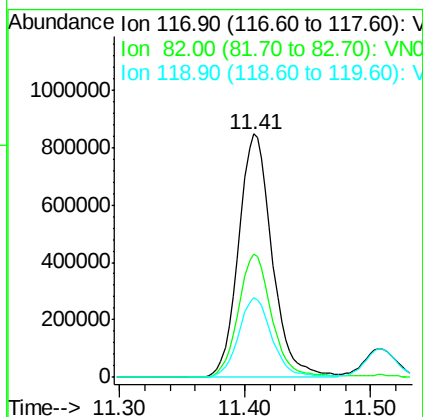
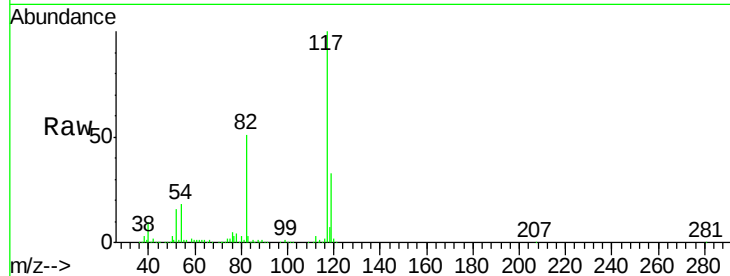




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

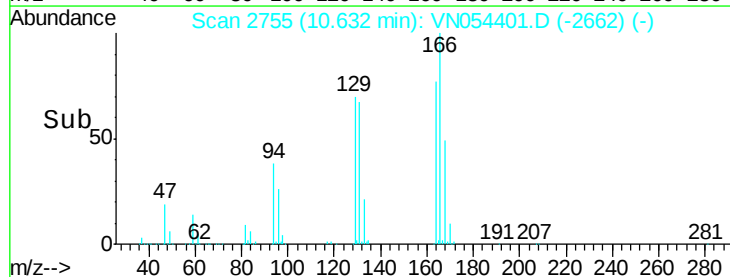
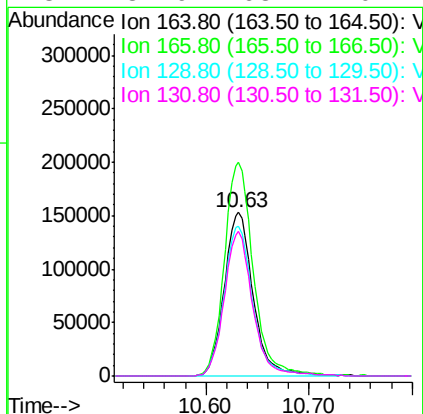
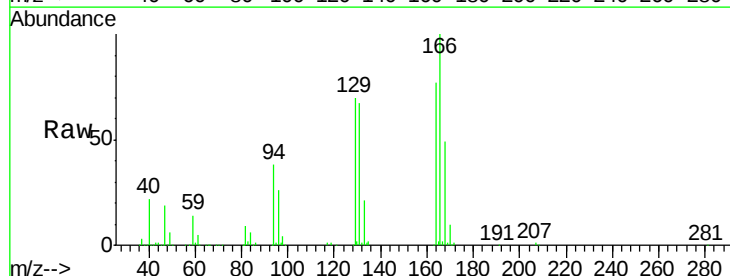
Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

Tot Ion:117 Resp: 1576236
Ion Ratio Lower Upper
117 100
82 50.6 40.0 60.0
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 19.594 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion:164 Resp: 298609
Ion Ratio Lower Upper
164 100
166 130.4 103.9 155.9
129 91.4 71.1 106.7
131 87.9 68.2 102.4





#65

Chlorobenzene

Concen: 21.172 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

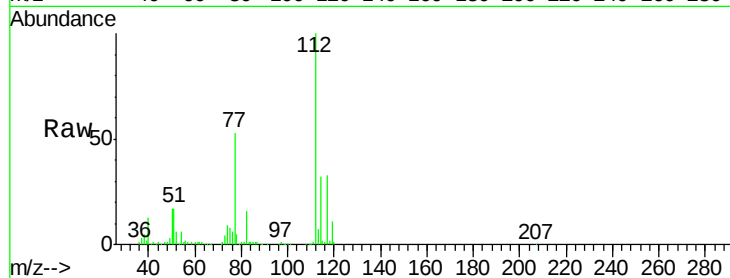
VN0318MBS01

Tot Ion:112 Resp: 732770

Ion Ratio Lower Upper

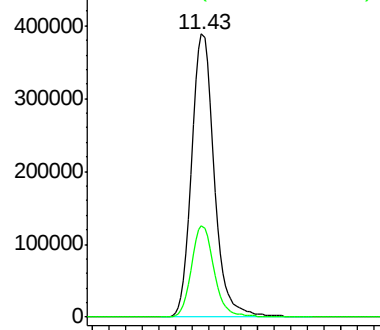
112 100

114 32.4 25.9 38.9

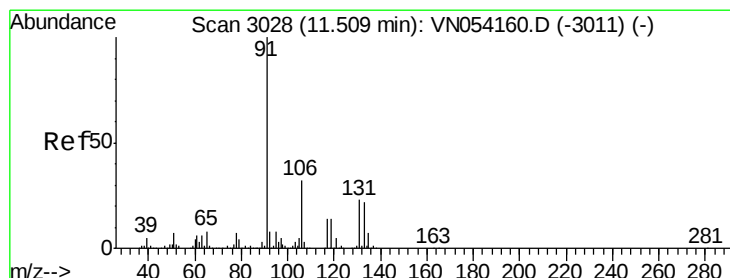
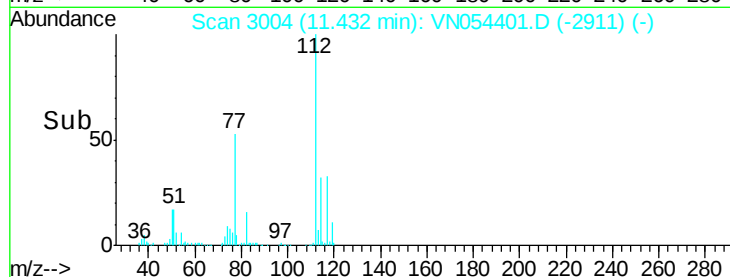


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 20.961 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

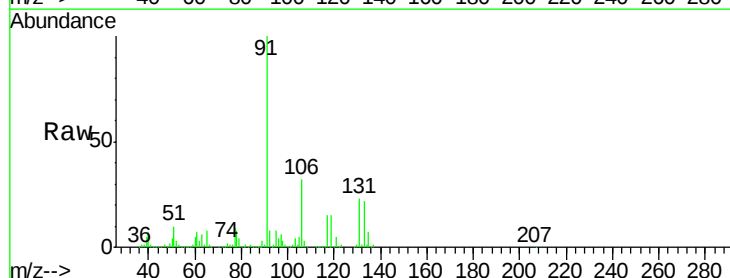
Tgt Ion:131 Resp: 263534

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.9

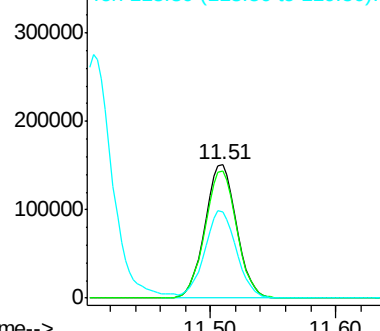
119 65.8 32.4 97.0



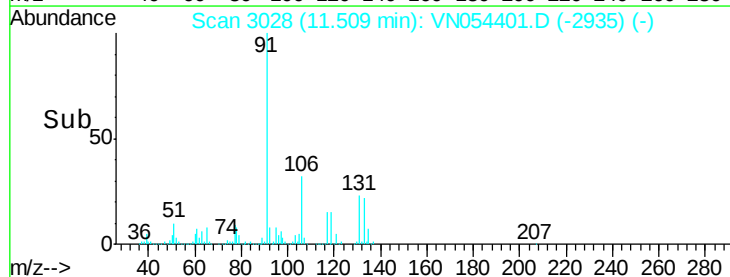
Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time--> 11.50 11.60

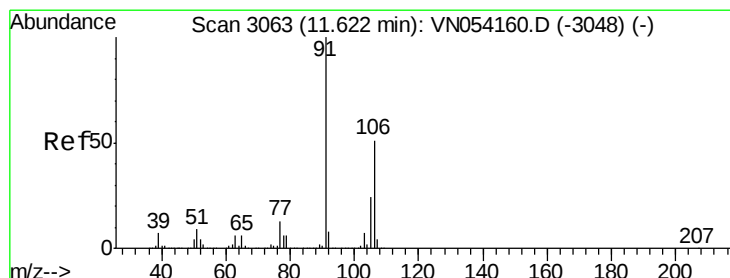
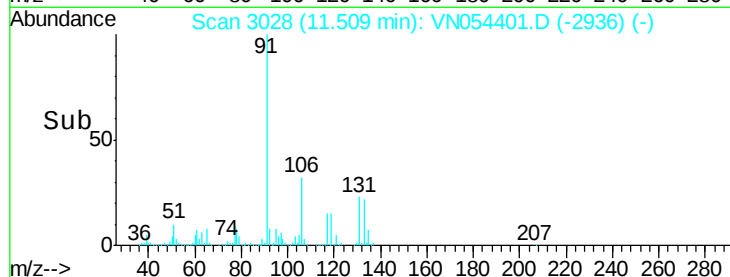
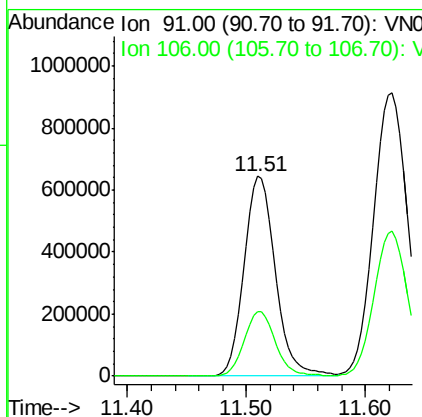
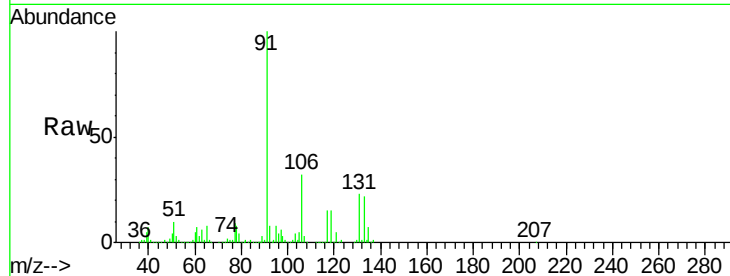




#67
Ethyl Benzene
Concen: 20.577 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

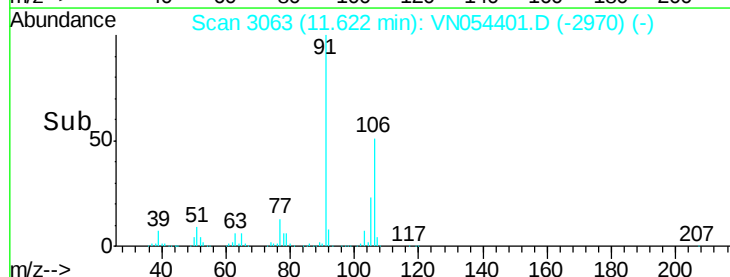
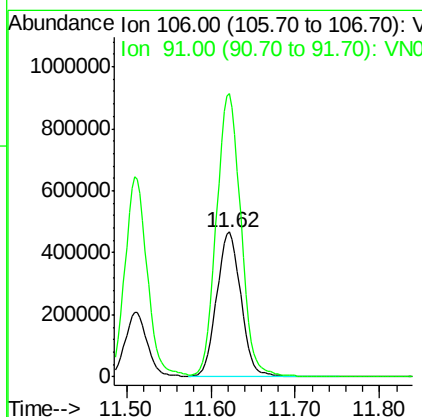
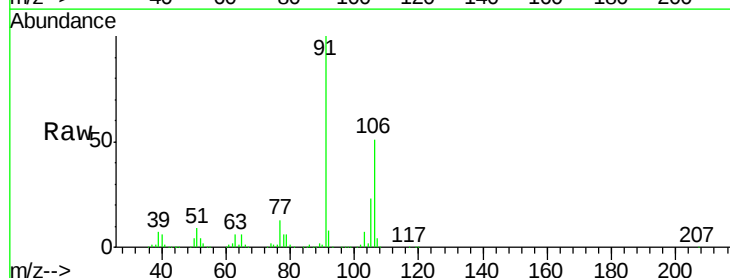
Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

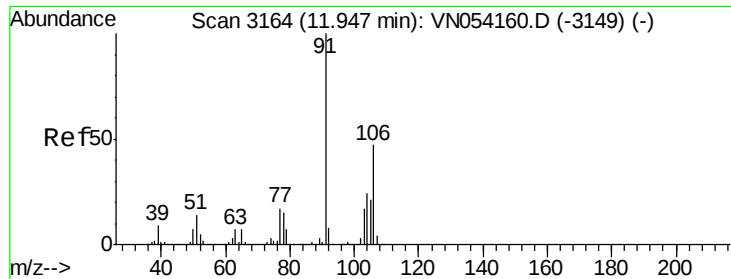
Tot Ion: 91 Resp: 1180533
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3



#68
m/p-Xylenes
Concen: 41.724 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion: 106 Resp: 935594
Ion Ratio Lower Upper
106 100
91 196.9 159.4 239.2

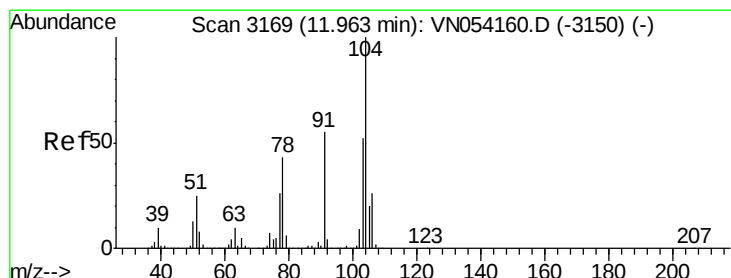
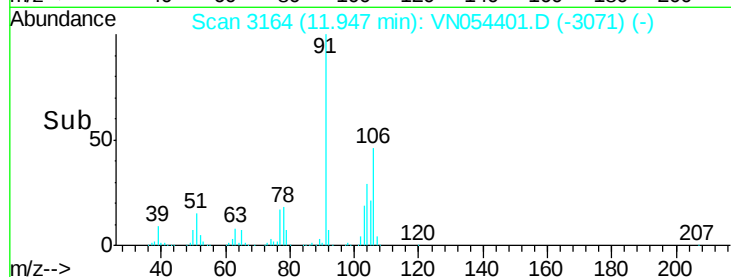
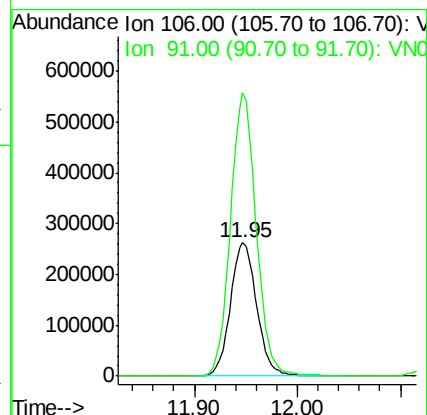
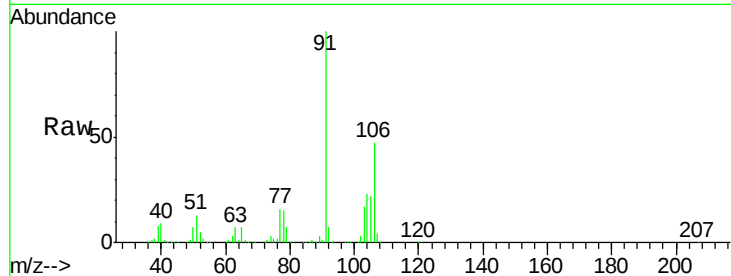




#69
o-Xylene
Concen: 21.317 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

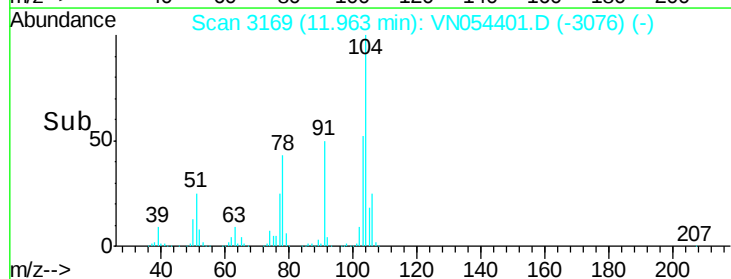
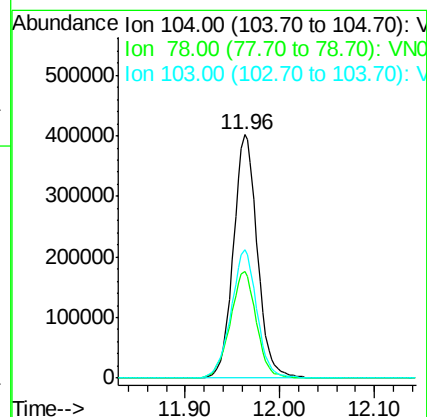
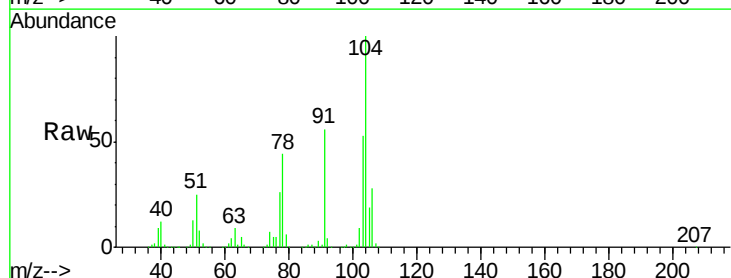
Instrument :
MSVOA_N
ClientSampled :
VN0318MBS01

Tot Ion:106 Resp: 465965
Ion Ratio Lower Upper
106 100
91 208.0 105.7 317.1



#70
Styrene
Concen: 20.644 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion:104 Resp: 707715
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 56.8 44.4 66.6

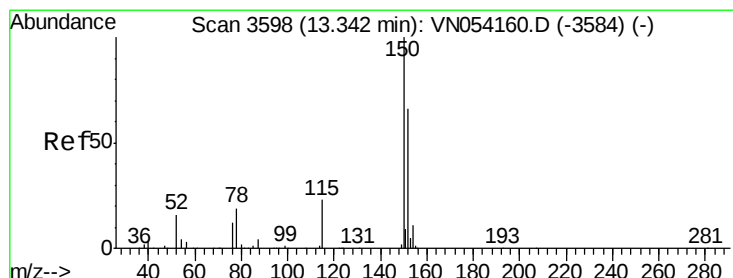
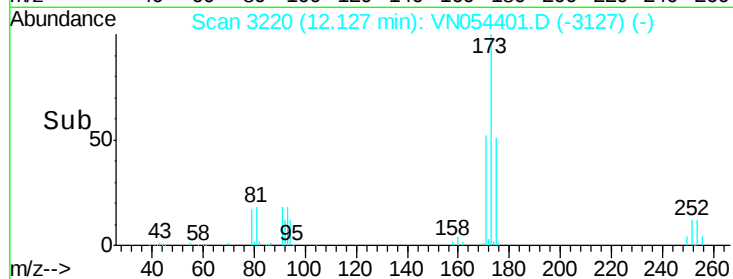
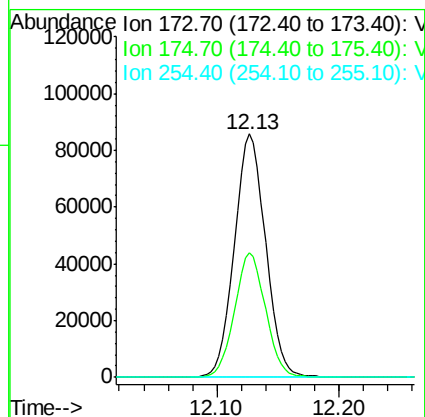
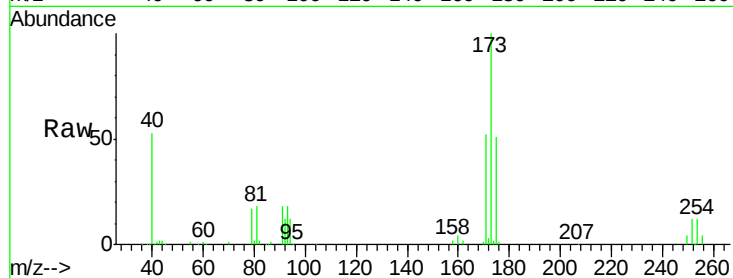




#71
Bromoform
Concen: 17.514 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

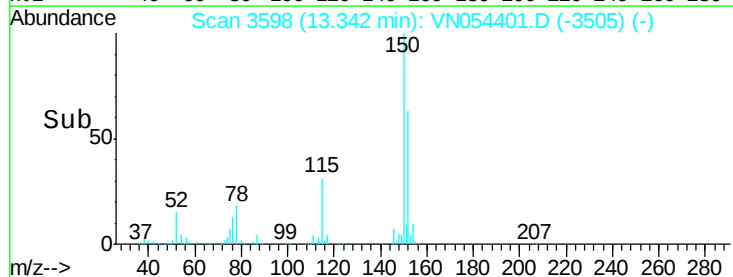
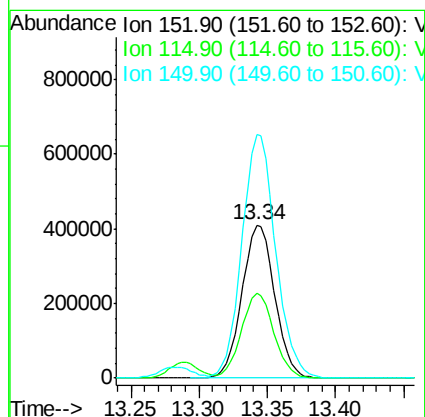
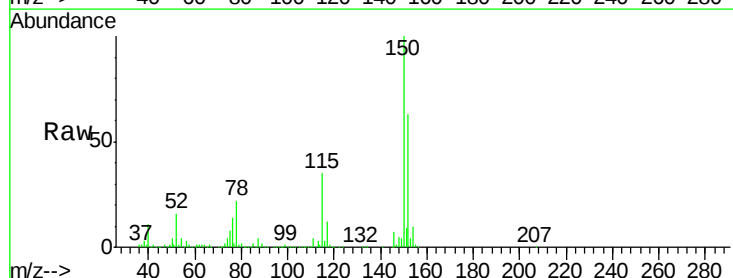
Instrument :
MSVOA_N
ClientSampleId :
VN0318MBS01

Tot Ion:173 Resp: 152501
Ion Ratio Lower Upper
173 100
175 50.5 24.4 73.2
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Tgt Ion:152 Resp: 683273
Ion Ratio Lower Upper
152 100
115 55.2 27.2 81.6
150 164.2 0.0 349.2





#73

Isopropylbenzene

Concen: 21.917 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

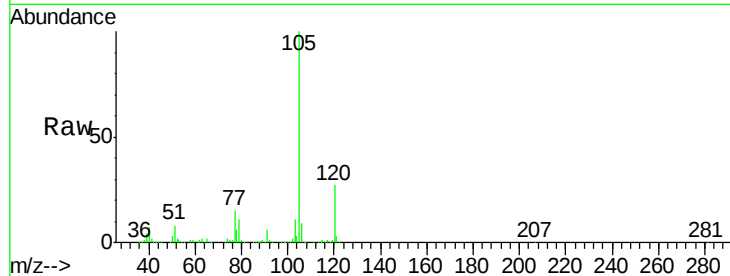
VN0318MBS01

Tot Ion:105 Resp: 1198091

Ion Ratio Lower Upper

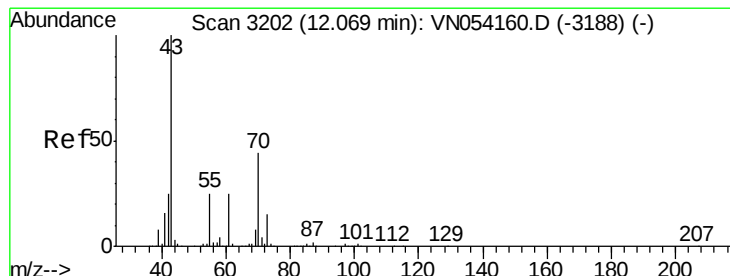
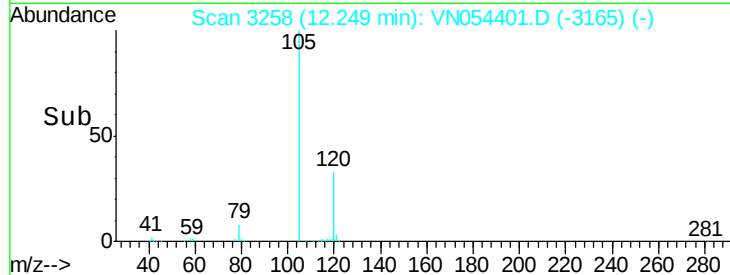
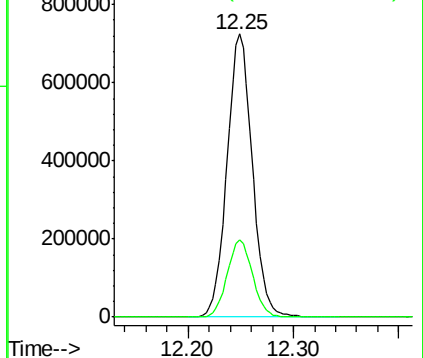
105 100

120 27.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.106 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 243971

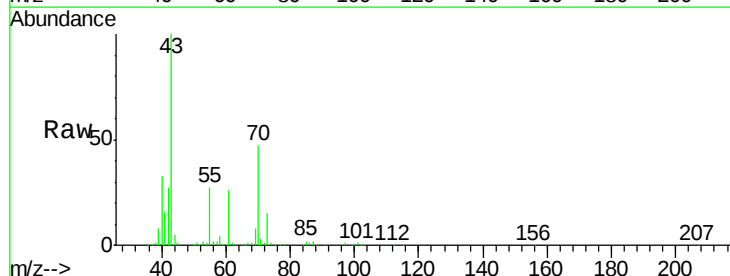
Ion Ratio Lower Upper

43 100

70 47.4 35.4 53.0

55 27.4 19.8 29.6

61 26.4 19.8 29.6

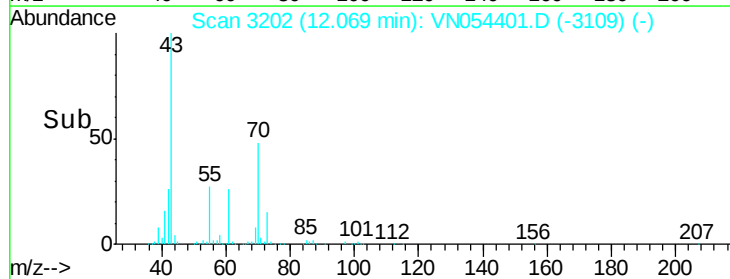
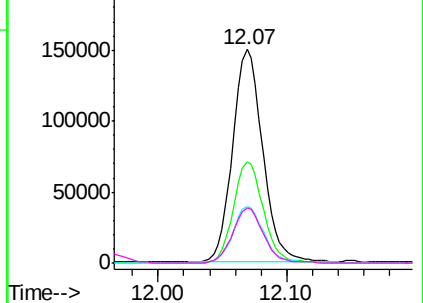


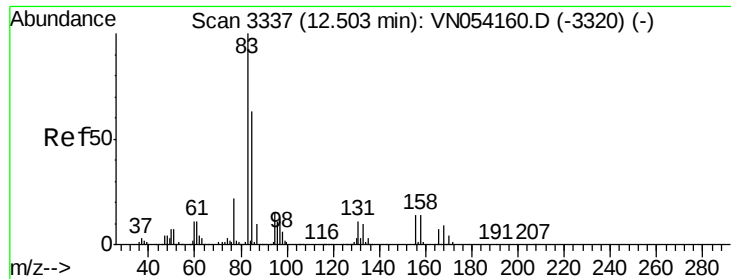
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 24.167 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

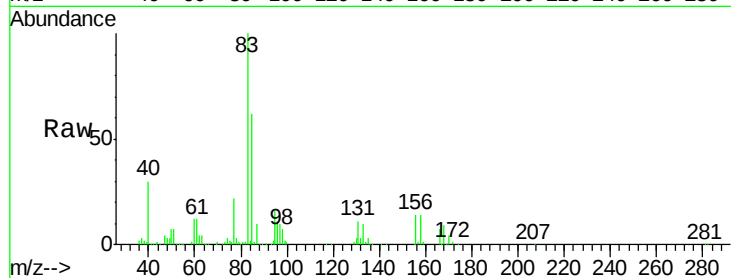
Tot Ion: 83 Resp: 281469

Ion Ratio Lower Upper

83 100

131 11.2 5.8 17.4

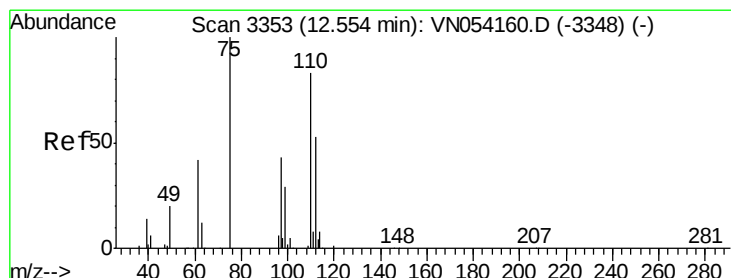
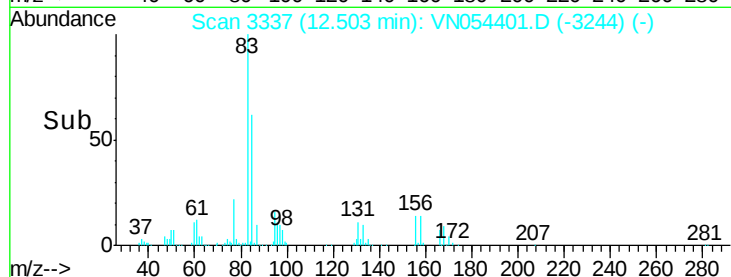
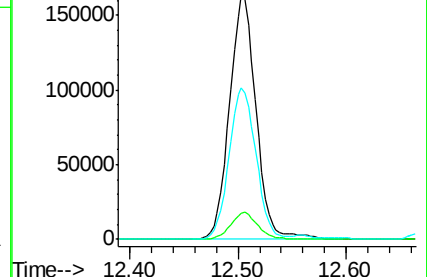
85 62.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 30.273 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054401.D

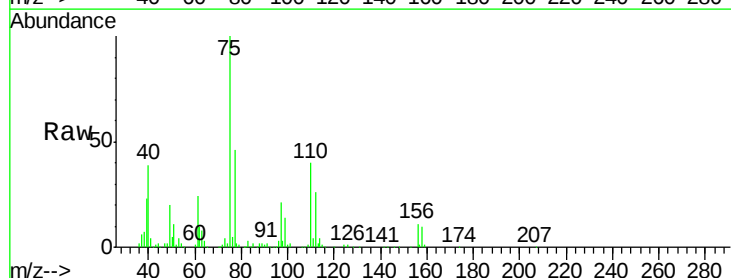
Acq: 18 Mar 2019 18:33

Tgt Ion: 75 Resp: 304174

Ion Ratio Lower Upper

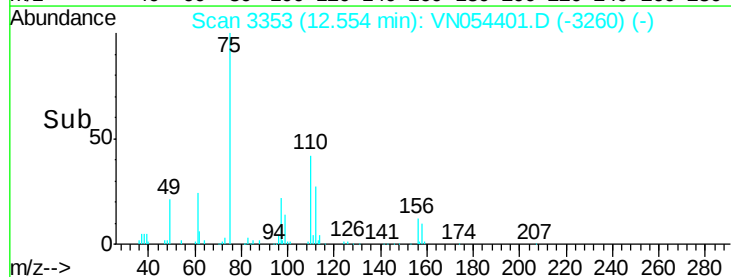
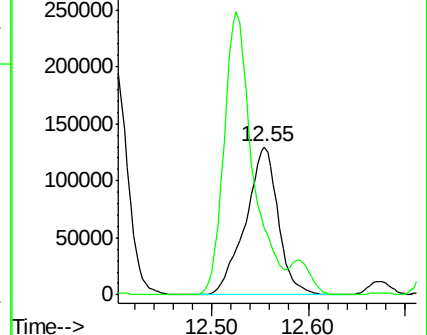
75 100

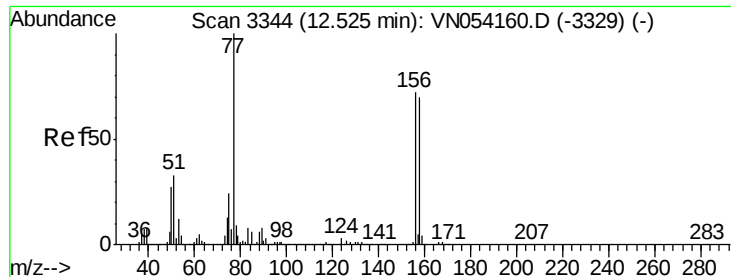
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 21.891 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

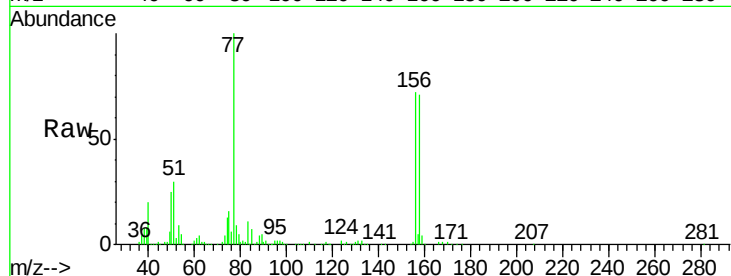
Tot Ion:156 Resp: 316667

Ion Ratio Lower Upper

156 100

77 162.4 81.5 244.4

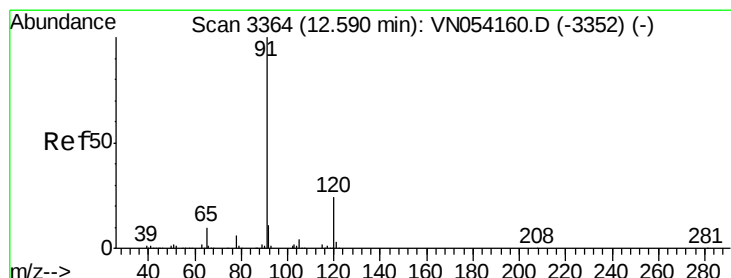
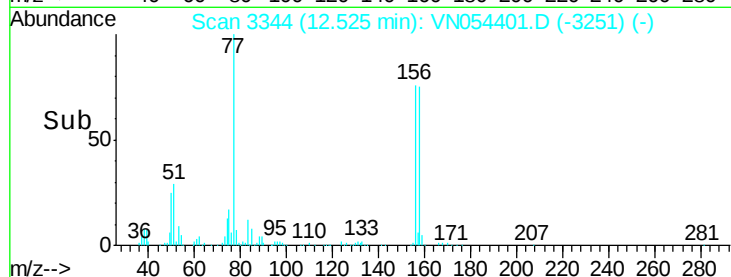
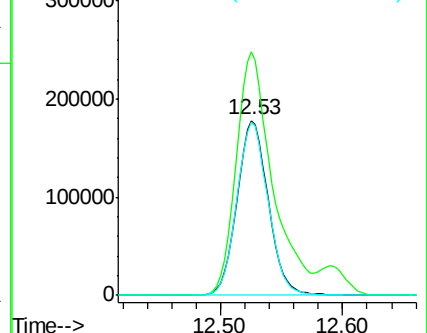
158 98.9 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.015 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054401.D

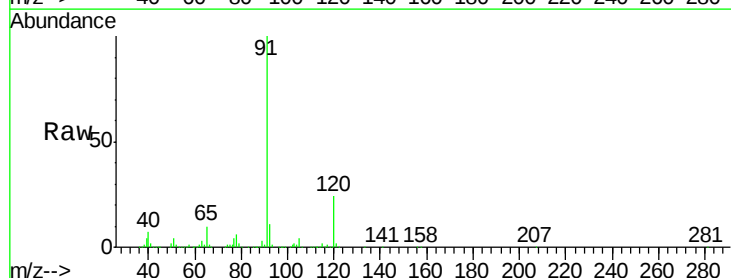
Acq: 18 Mar 2019 18:33

Tgt Ion: 91 Resp: 1246532

Ion Ratio Lower Upper

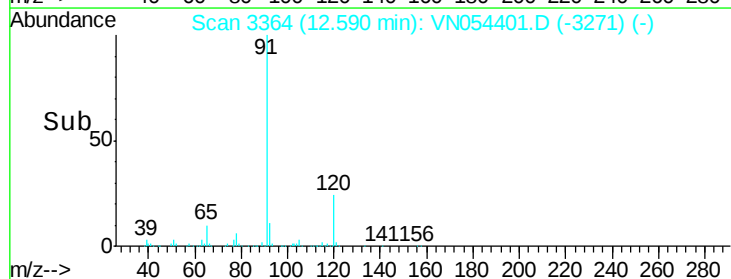
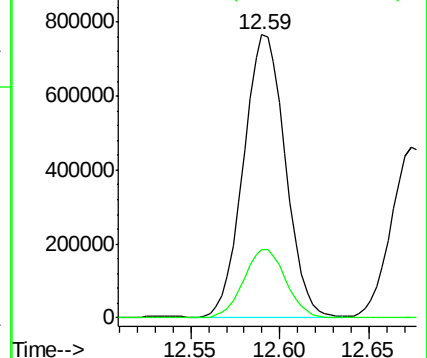
91 100

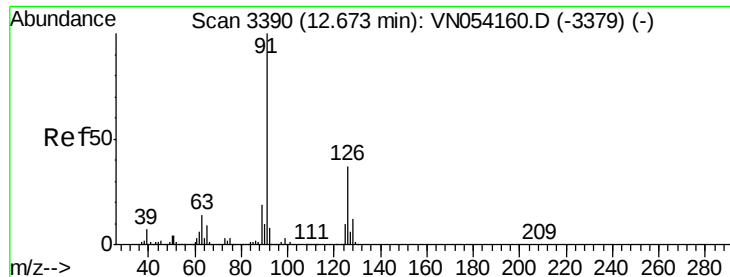
120 24.5 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.012 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

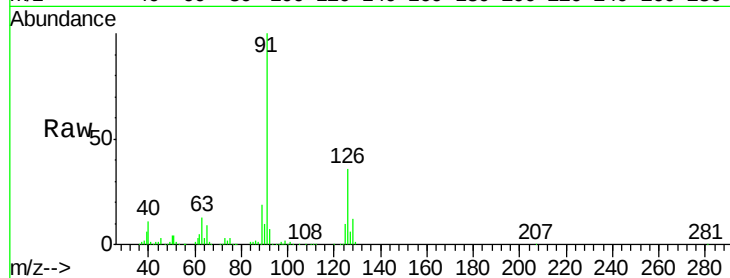
VN0318MBS01

Tot Ion: 91 Resp: 785055

Ion Ratio Lower Upper

91 100

126 37.2 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054401.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN054401.D (-3297) (-)

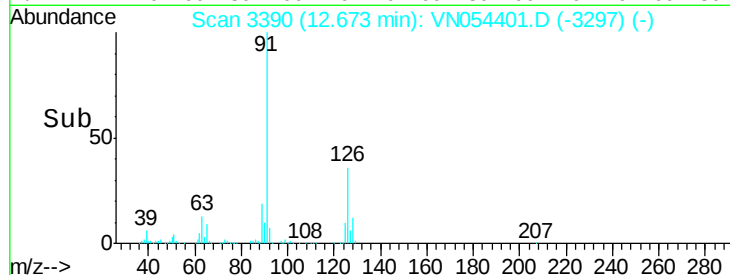
600000

400000

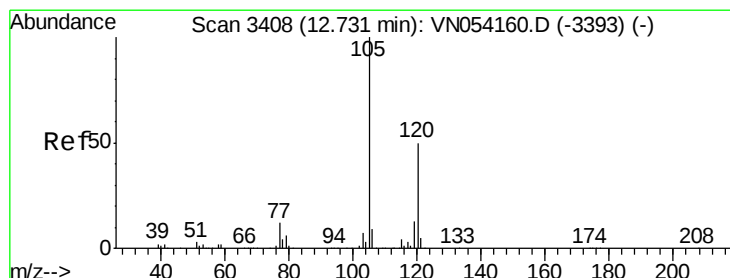
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.813 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054401.D

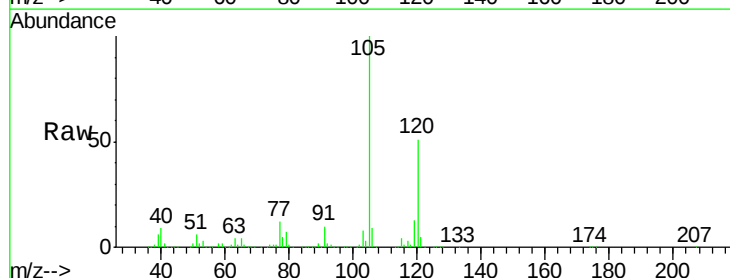
Acq: 18 Mar 2019 18:33

Tgt Ion: 105 Resp: 946380

Ion Ratio Lower Upper

105 100

120 51.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054401.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN054401.D (-3315) (-)

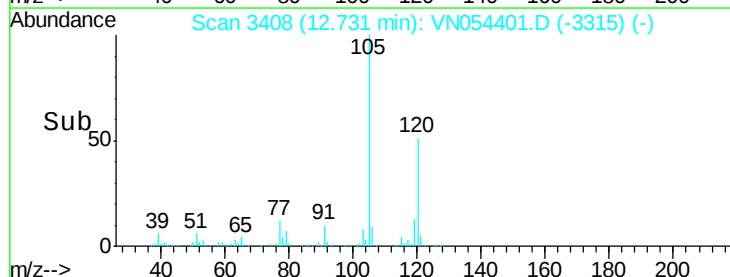
600000

400000

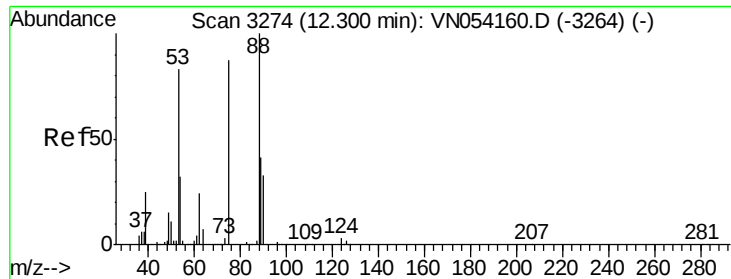
200000

0

12.70 12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 13.098 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

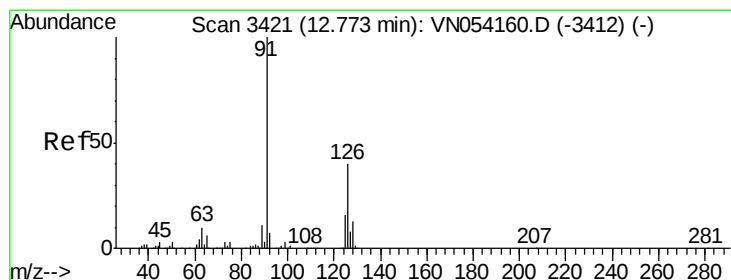
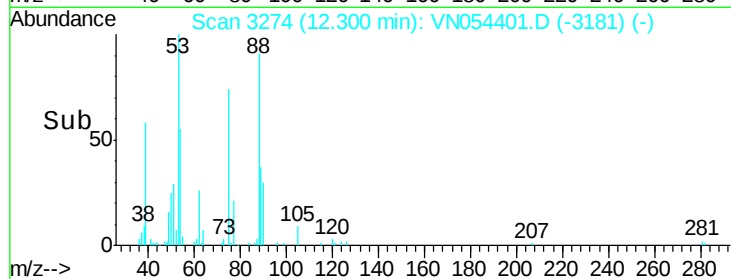
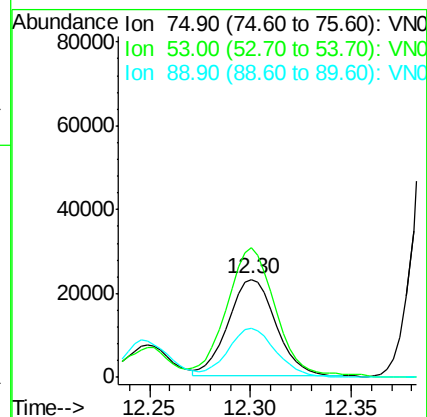
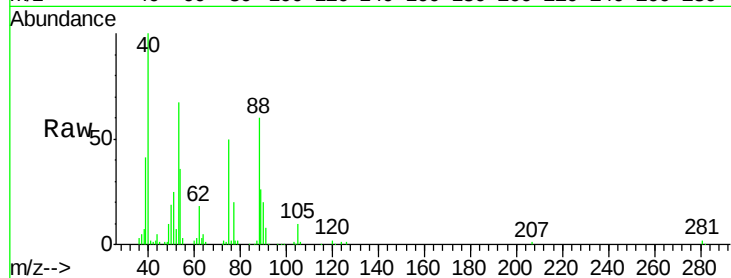
Tot Ion: 75 Resp: 38500

Ion Ratio Lower Upper

75 100

53 136.6 76.2 114.2#

89 51.2 39.2 58.8



#82

4-Chlorotoluene

Concen: 21.319 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054401.D

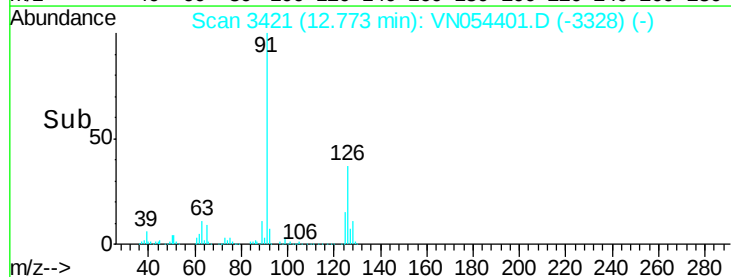
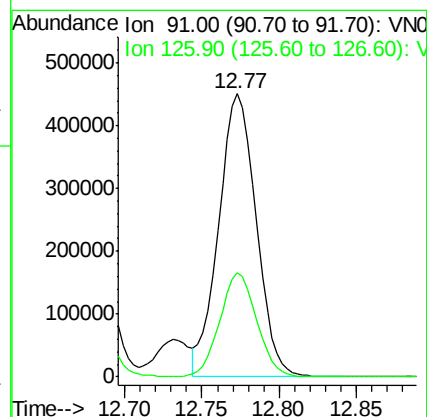
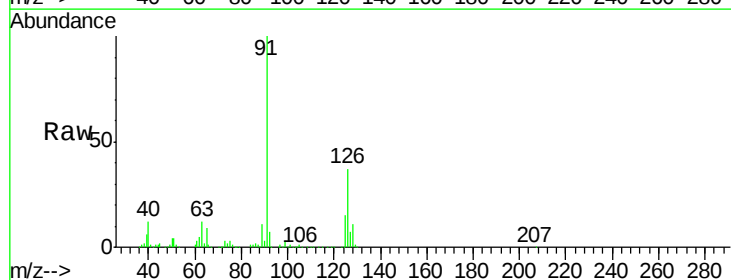
Acq: 18 Mar 2019 18:33

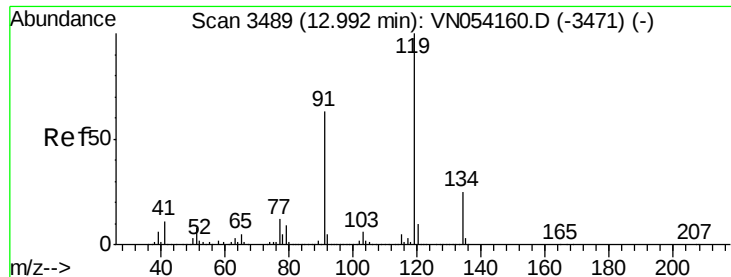
Tgt Ion: 91 Resp: 759231

Ion Ratio Lower Upper

91 100

126 36.2 18.1 54.1

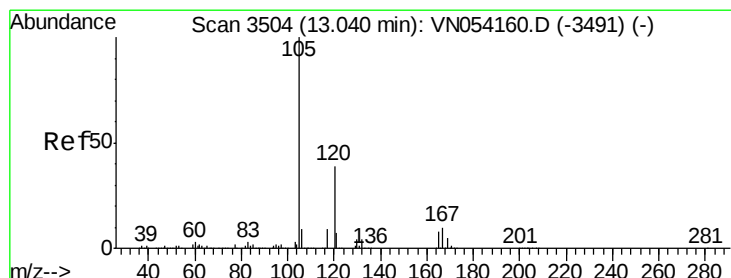
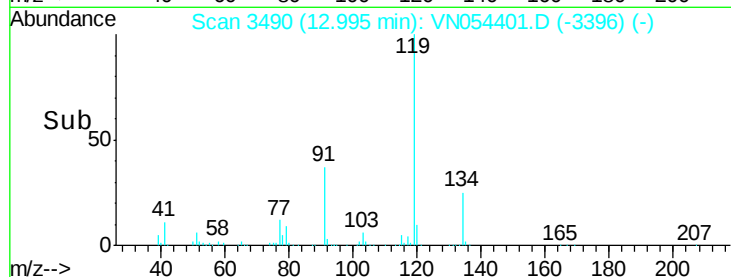
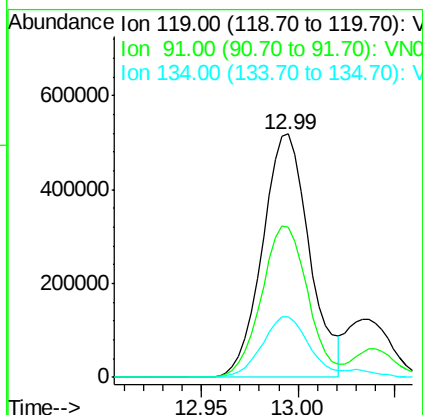
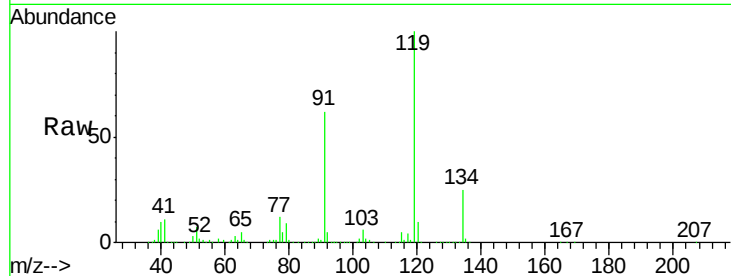




#83
 tert-Butylbenzene
 Concen: 20.873 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

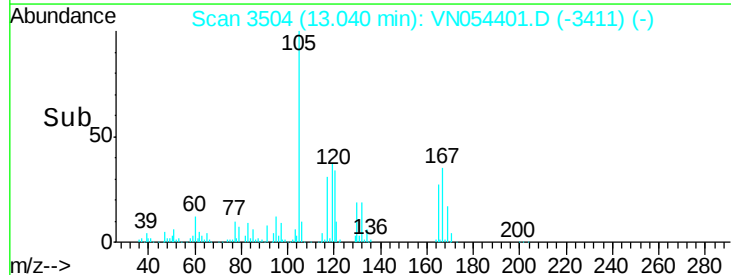
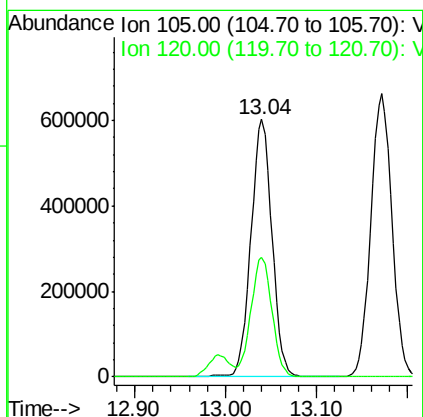
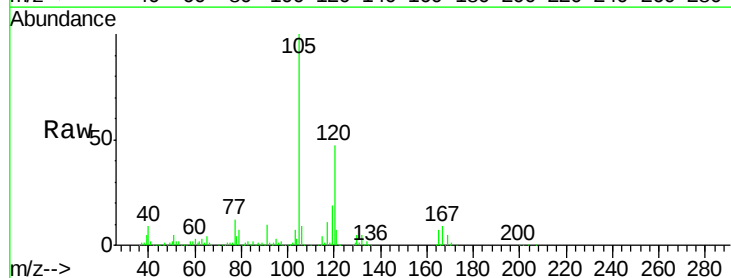
Instrument :
 MSVOA_N
 ClientSampled :
 VN0318MBS01

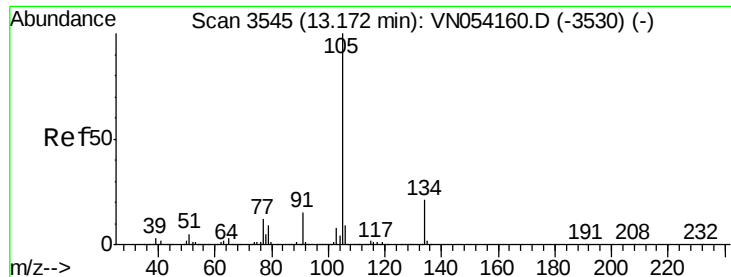
Tot Ion:119 Resp: 873585
 Ion Ratio Lower Upper
 119 100
 91 61.2 30.9 92.8
 134 25.0 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 21.697 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion:105 Resp: 967864
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 19.665 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

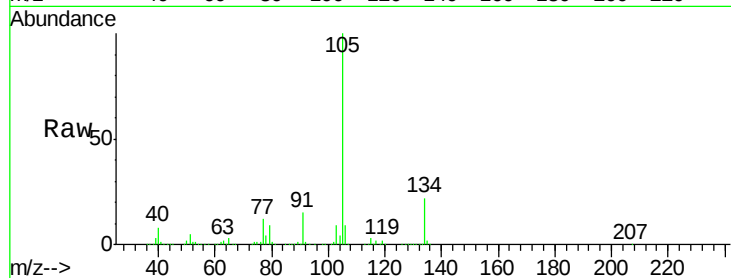
VN0318MBS01

Tot Ion:105 Resp: 1067384

Ion Ratio Lower Upper

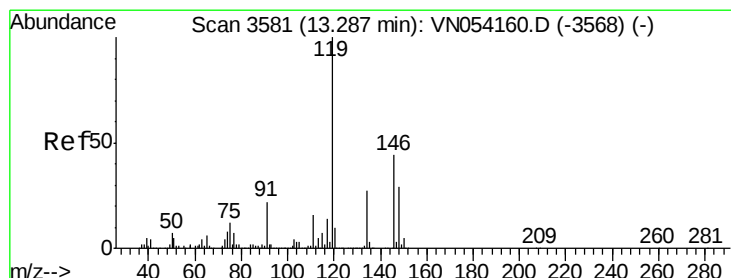
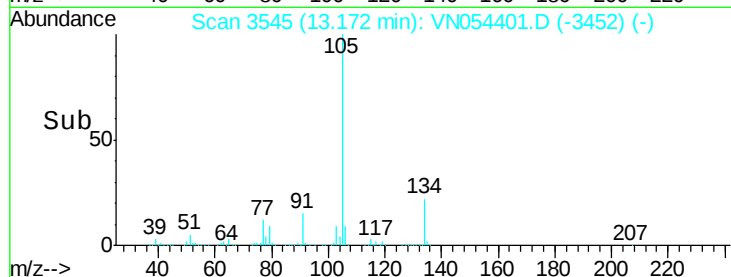
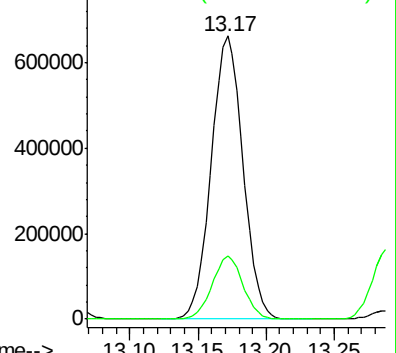
105 100

134 21.6 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.339 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

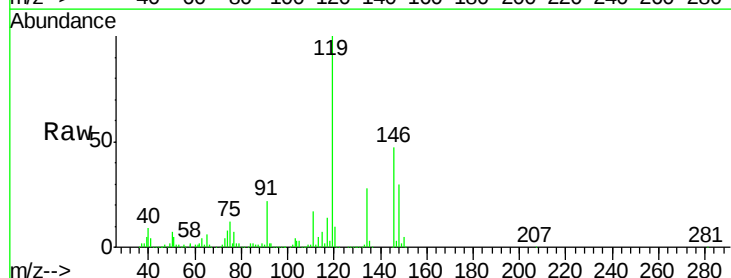
Tgt Ion:119 Resp: 920889

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

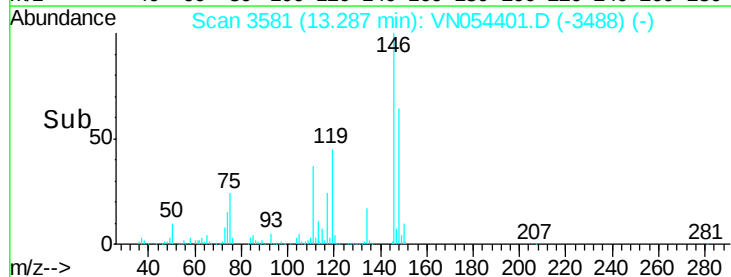
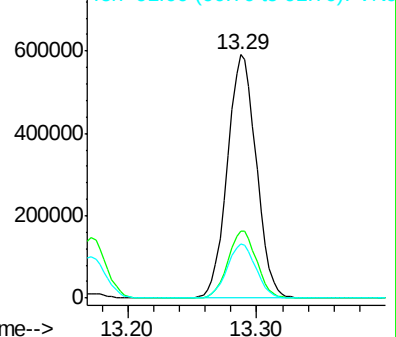
91 22.2 11.1 33.3

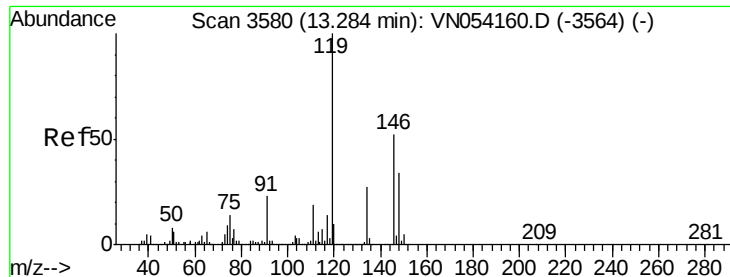


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.052 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

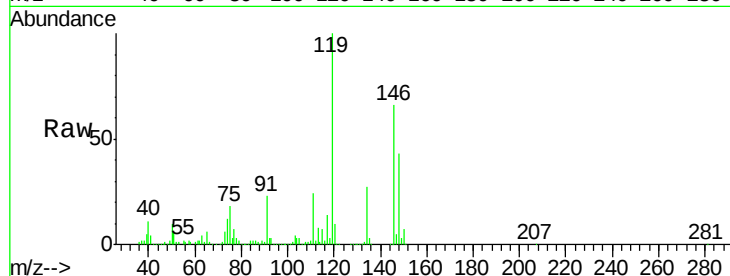
Tot Ion:146 Resp: 513130

Ion Ratio Lower Upper

146 100

111 37.0 18.8 56.3

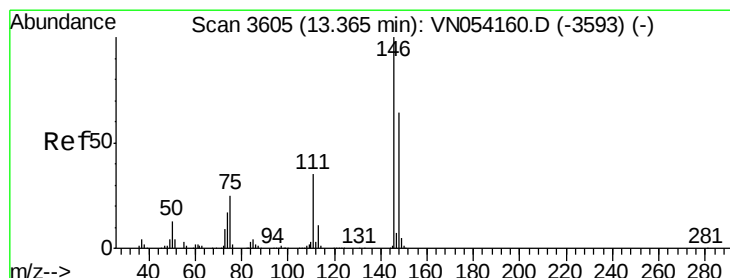
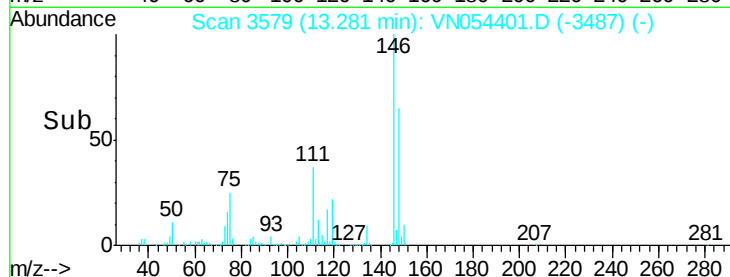
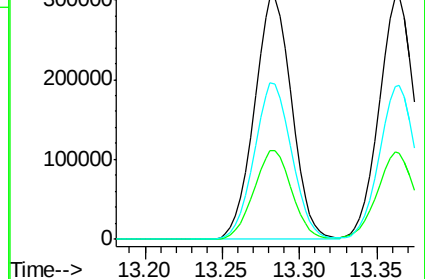
148 64.7 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.749 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

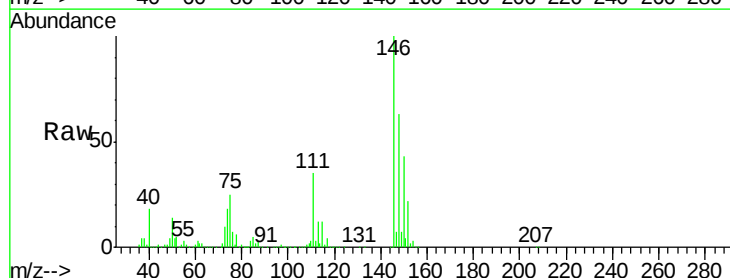
Tgt Ion:146 Resp: 496832

Ion Ratio Lower Upper

146 100

111 37.3 18.1 54.1

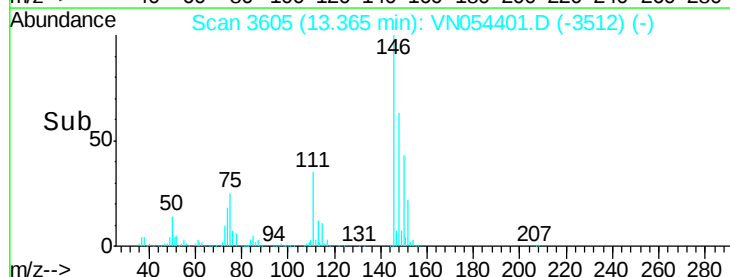
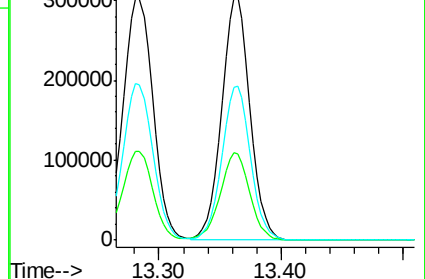
148 63.8 32.0 96.0

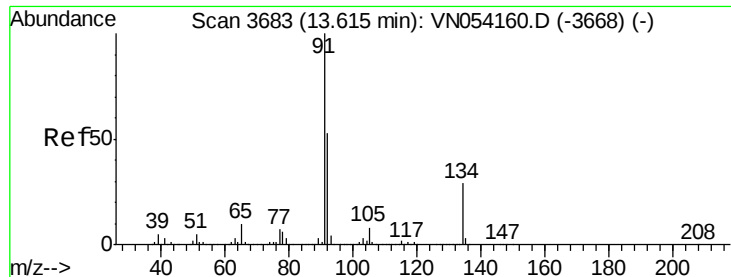


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.555 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampled :

VN0318MBS01

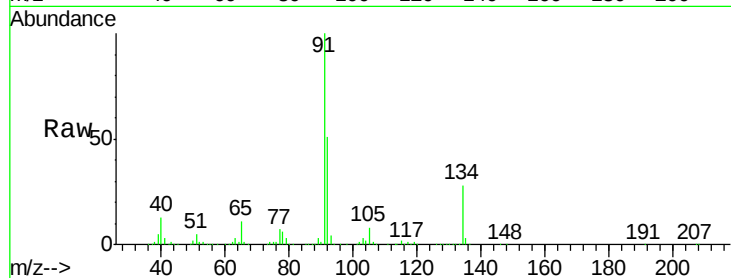
Tot Ion: 91 Resp: 635153

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

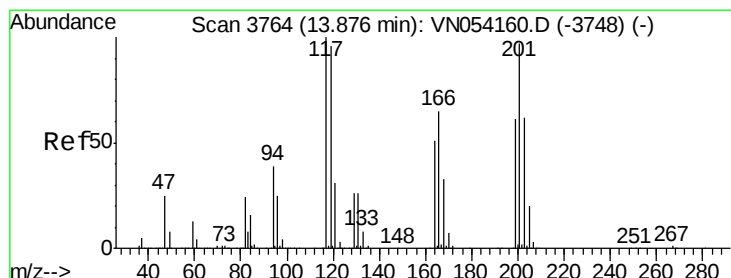
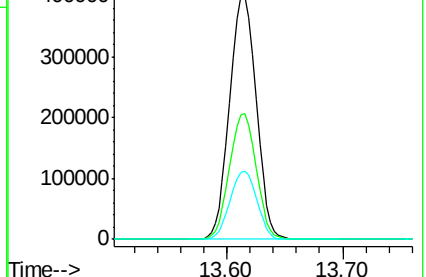
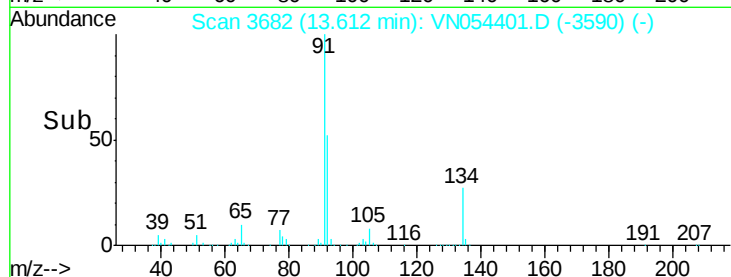
134 28.2 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VN054160.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN054160.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN054160.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.102 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054401.D

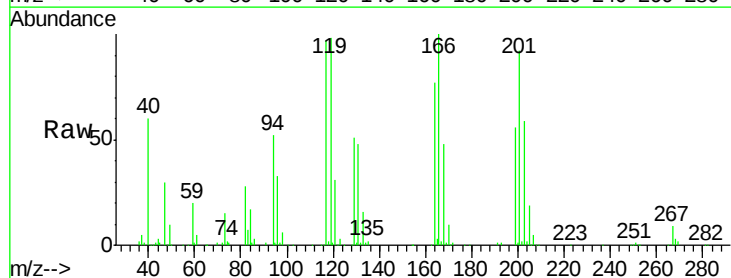
Acq: 18 Mar 2019 18:33

Tgt Ion: 117 Resp: 134842

Ion Ratio Lower Upper

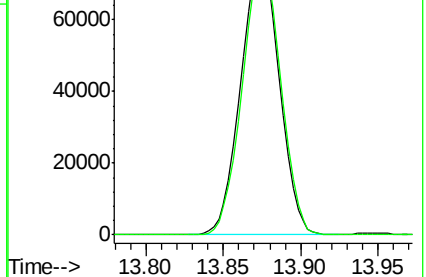
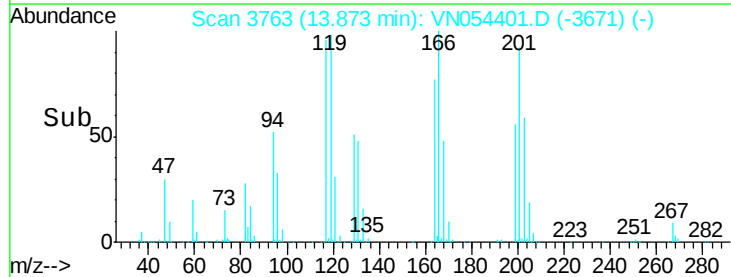
117 100

201 97.6 48.1 144.4



Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN054160.D (-3748) (-)

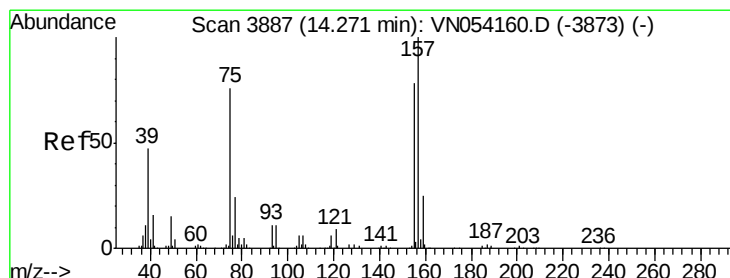
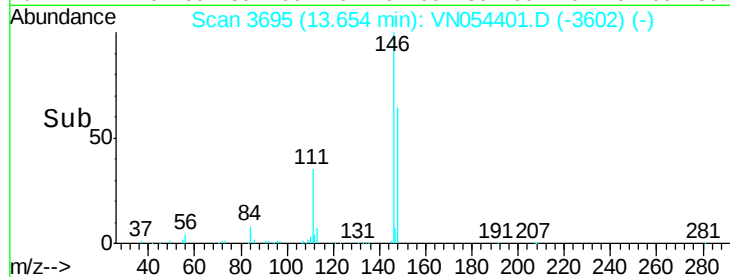
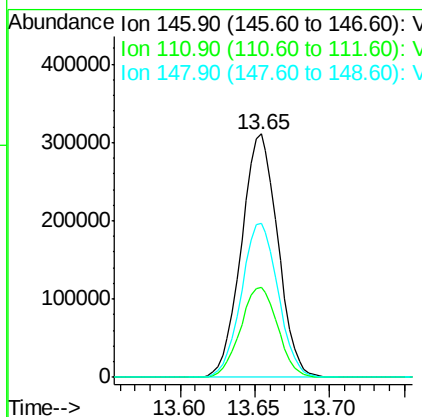
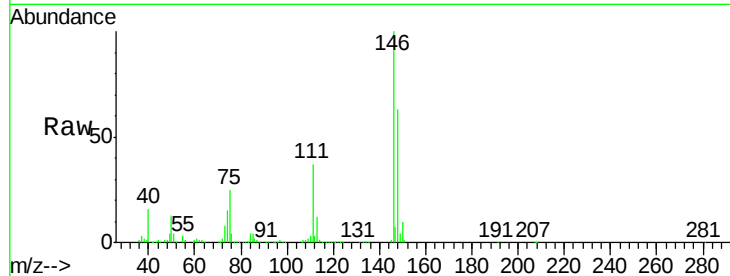




#91
 1,2-Dichlorobenzene
 Concen: 22.124 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

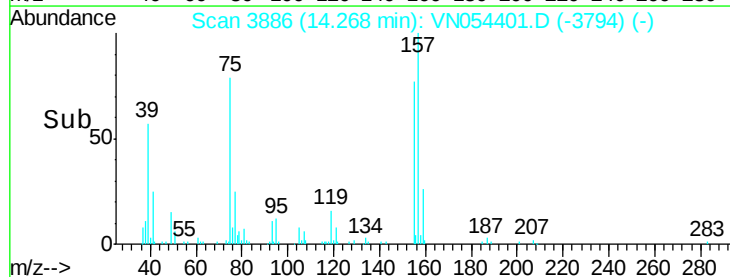
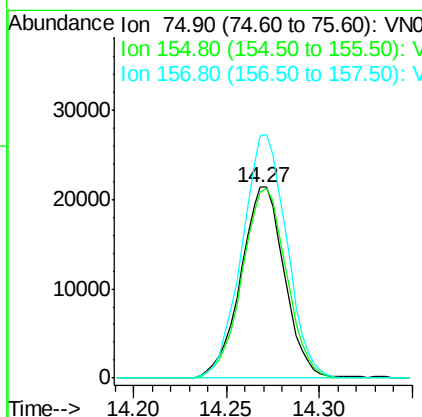
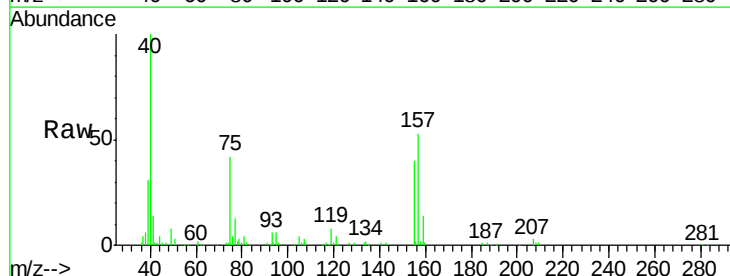
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

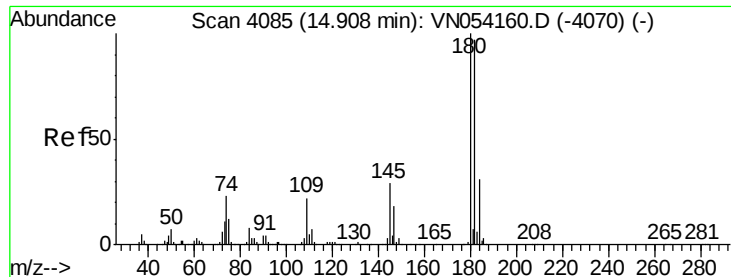
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.3
148	63.9	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.415 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.8	50.1	150.3
157	130.3	63.1	189.3

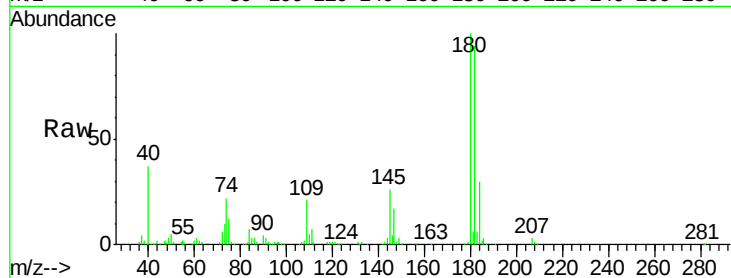




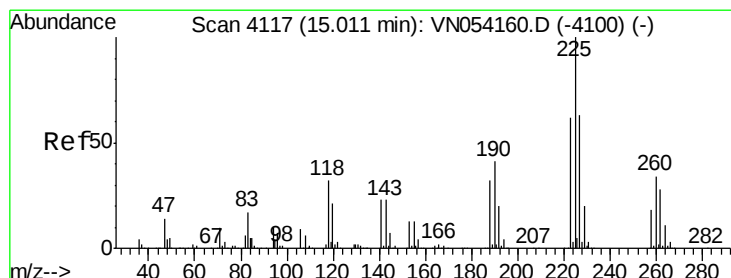
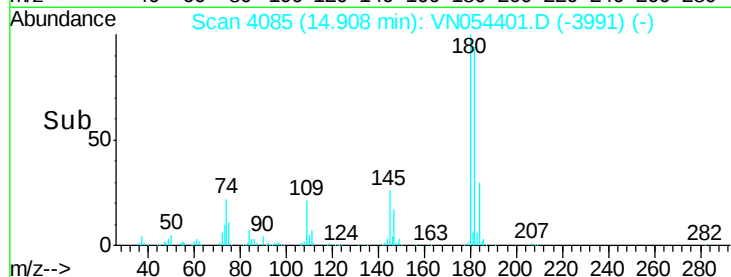
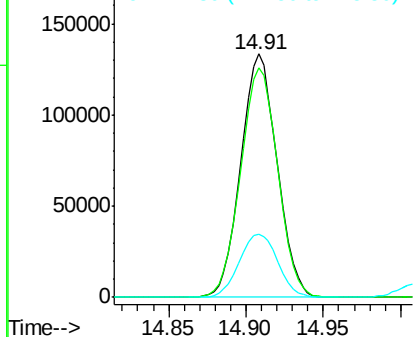
#93
 1,2,4-Trichlorobenzene
 Concen: 16.887 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0318MBS01

Tot Ion:180 Resp: 217689
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.0 144.2
 145 27.6 14.2 42.8

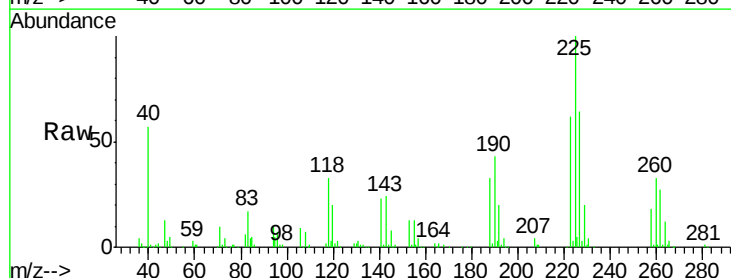


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

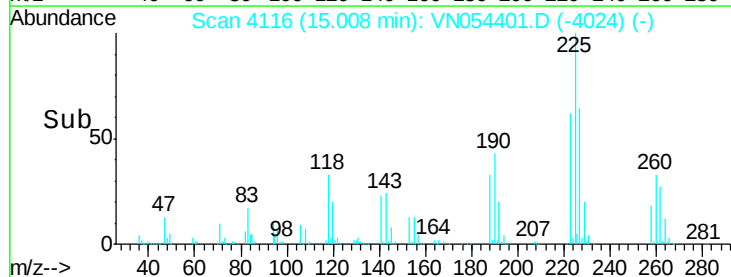
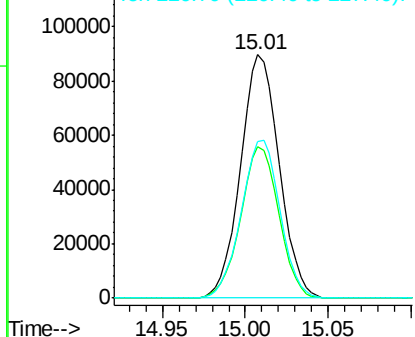


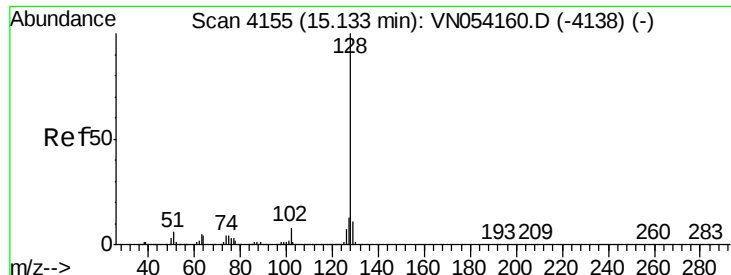
#94
 Hexachlorobutadiene
 Concen: 15.992 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

Tgt Ion:225 Resp: 145150
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.5
 227 65.1 31.9 95.9



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





#95

Naphthalene

Concen: 18.303 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :

MSVOA_N

ClientSampleId :

VN0318MBS01

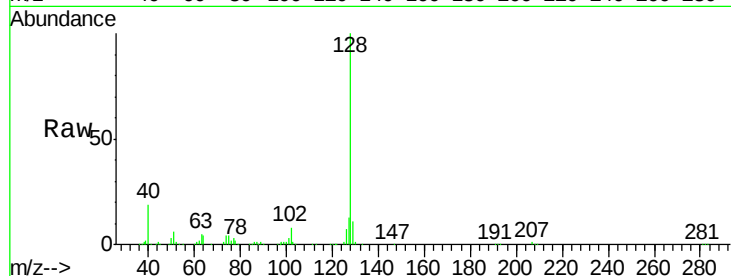
Tot Ion:128 Resp: 477665

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

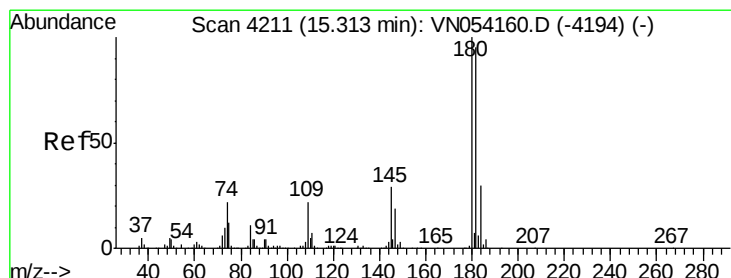
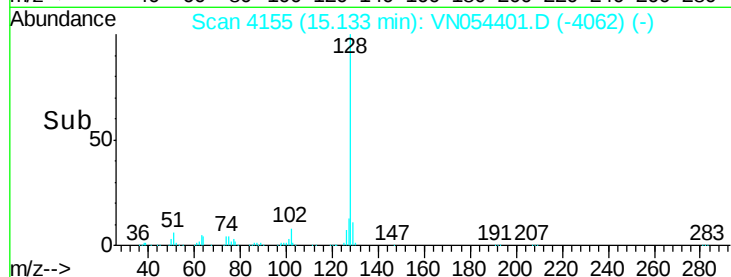
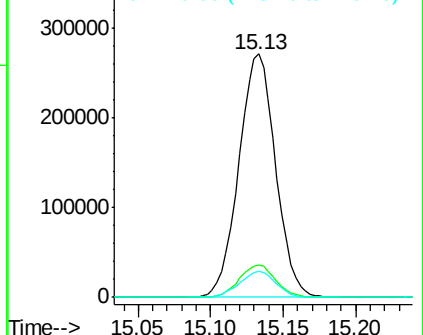
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.093 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

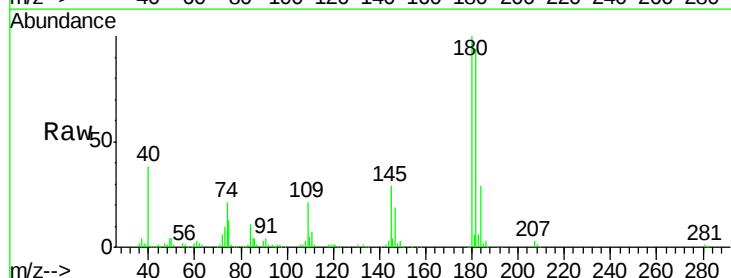
Tgt Ion:180 Resp: 229064

Ion Ratio Lower Upper

180 100

182 95.9 47.5 142.6

145 29.1 14.8 44.3



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

