

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 :

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

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 : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

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)
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

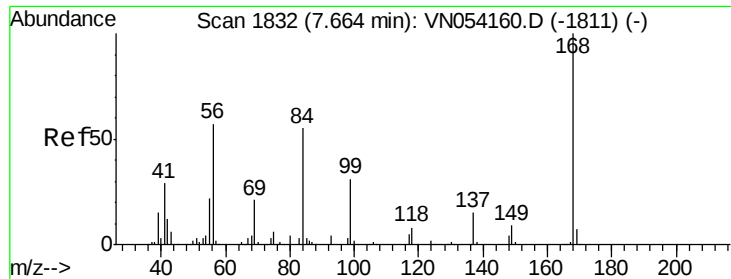
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054401.D
Acq On : 18 Mar 2019 18:33
Operator : JC/SP
Sample : VN0318MBS01
Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

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)
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

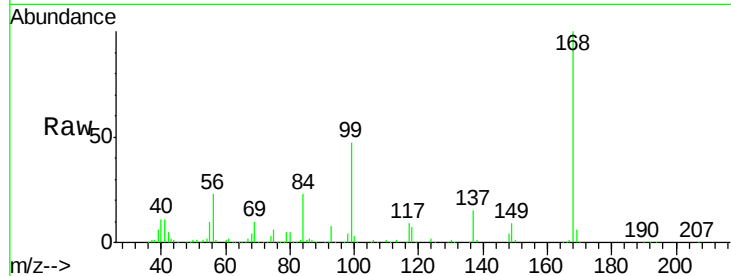
ClientSampleId :

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

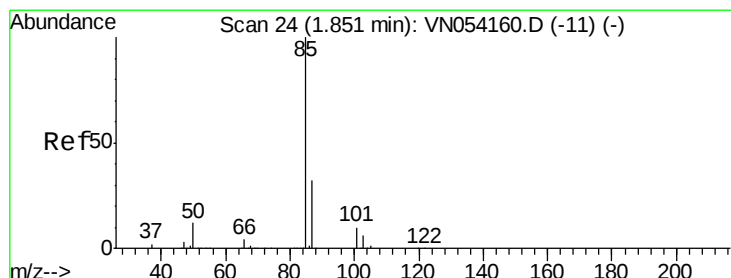
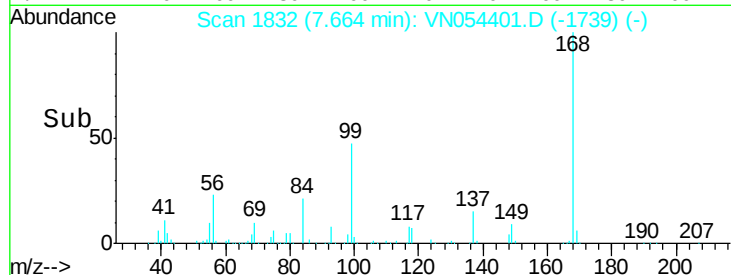
300000

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

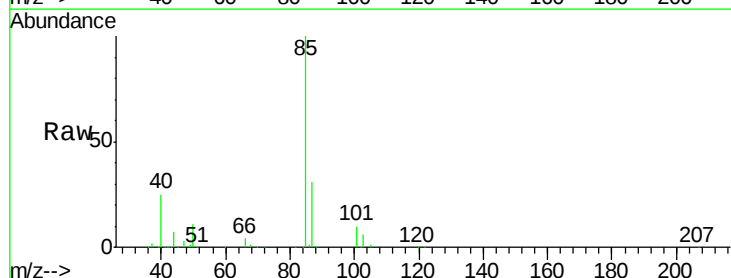
Acq: 18 Mar 2019 18:33

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

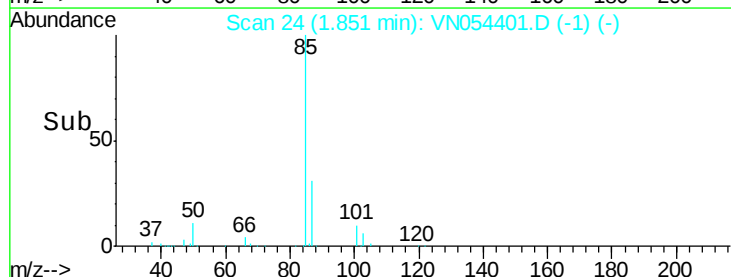
150000

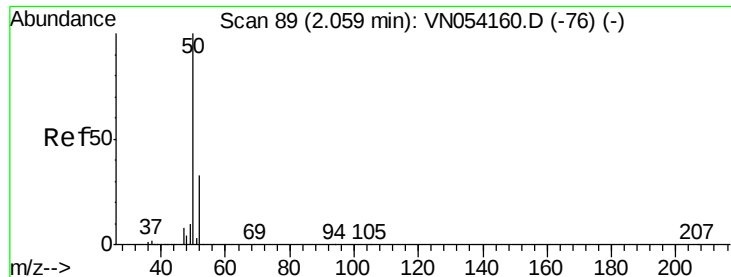
100000

50000

0

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

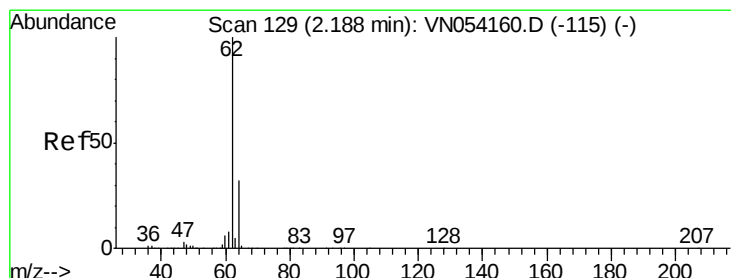
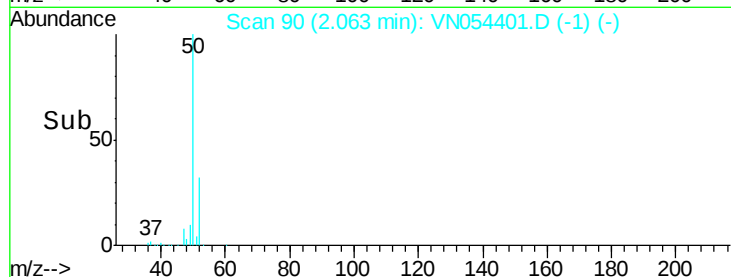
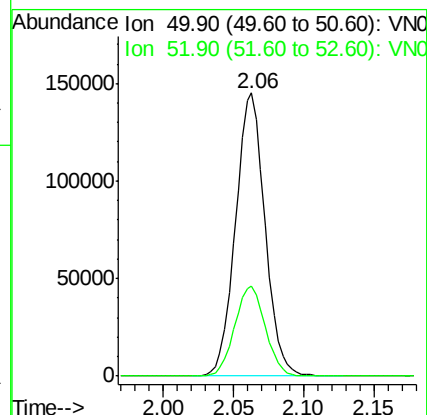
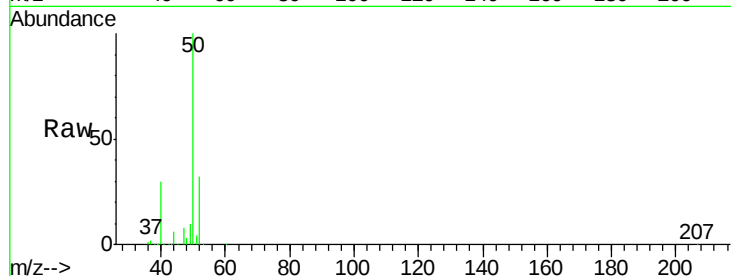
ClientSampleId :

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

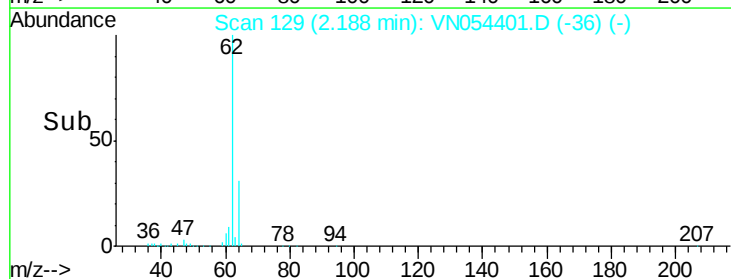
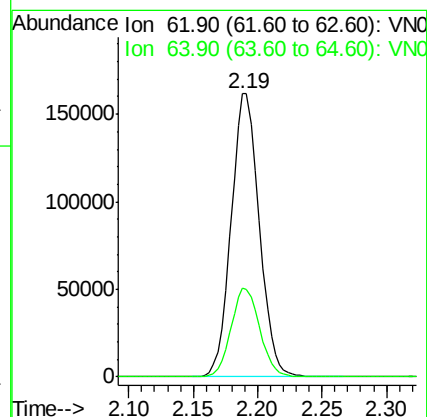
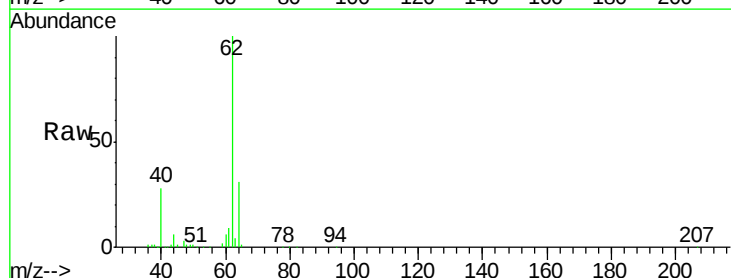
Acq: 18 Mar 2019 18:33

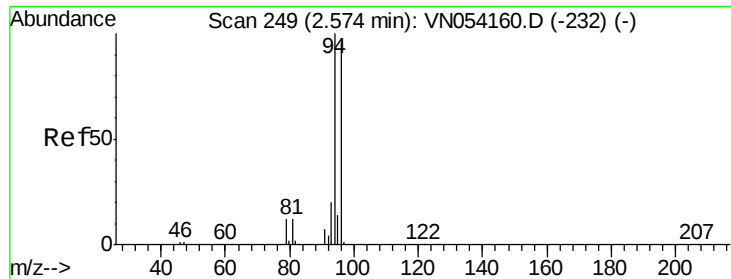
Tgt Ion: 62 Resp: 245011

Ion Ratio Lower Upper

62 100

64 31.4 25.5 38.3

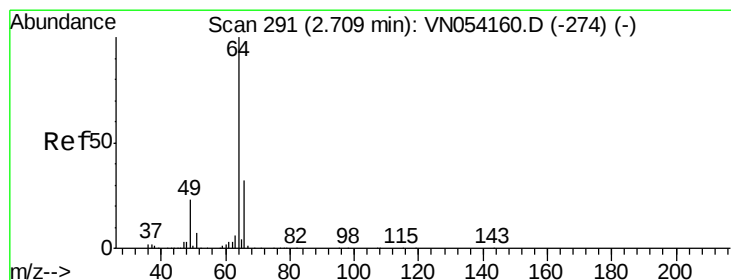
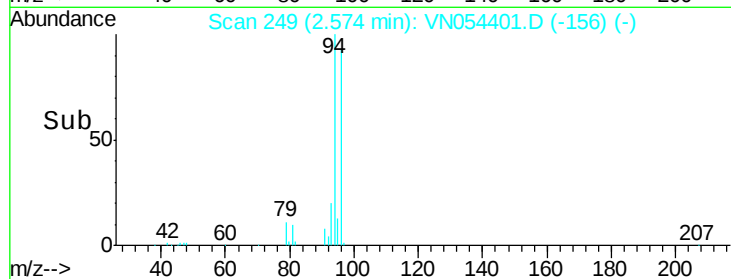
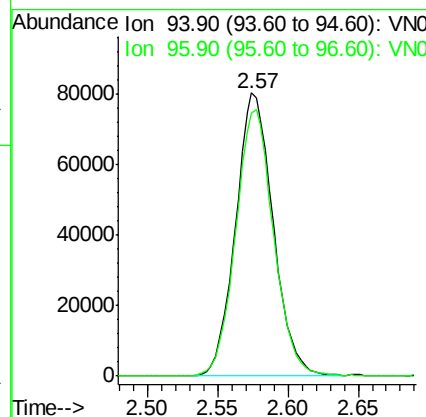
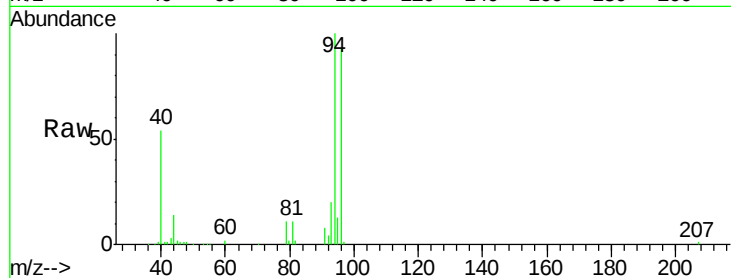




#5
Bromomethane
Concen: 17.873 ug/l
RT: 2.57 min Scan# 249
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

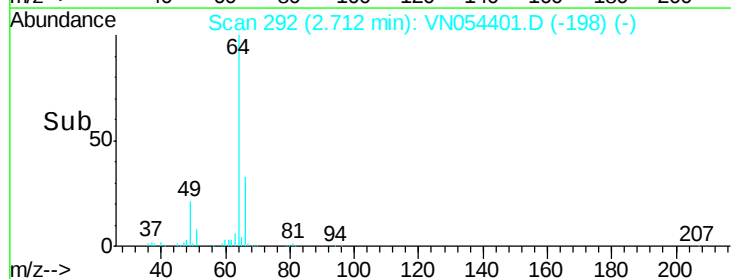
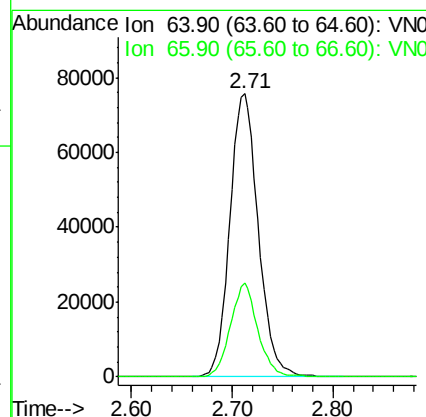
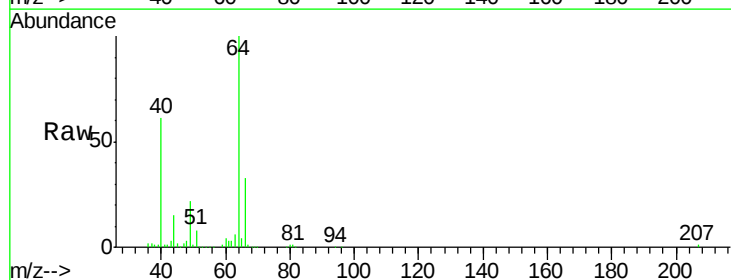
Instrument :
MSVOA_N
ClientSampleId :

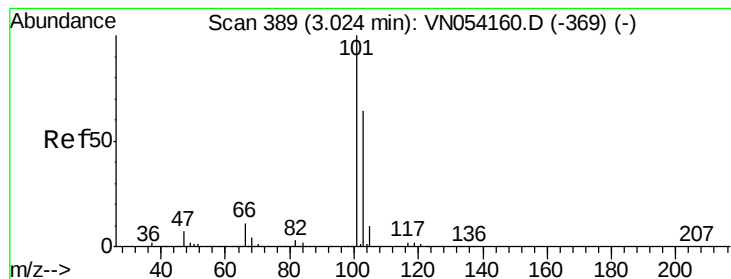
Tot Ion: 94 Resp: 149895
Ion Ratio Lower Upper
94 100
96 92.8 77.0 115.4



#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



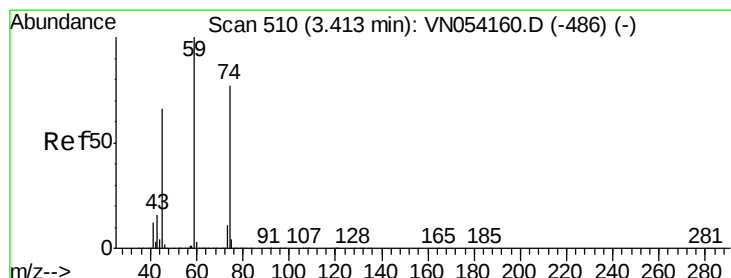
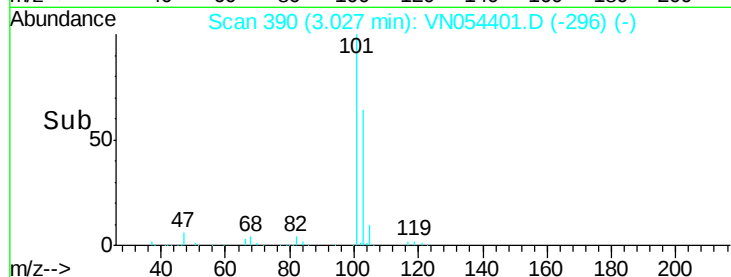
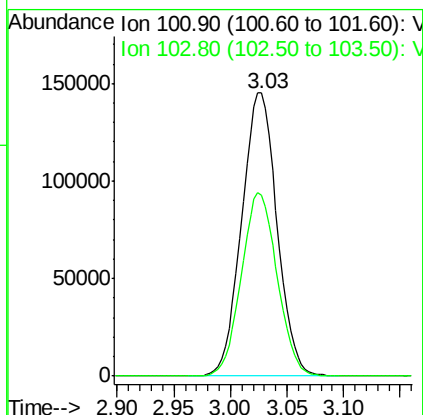
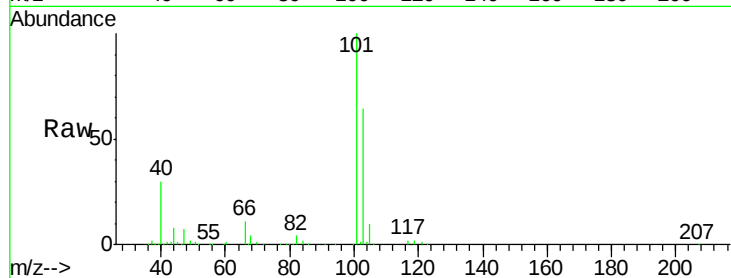


#7

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 :

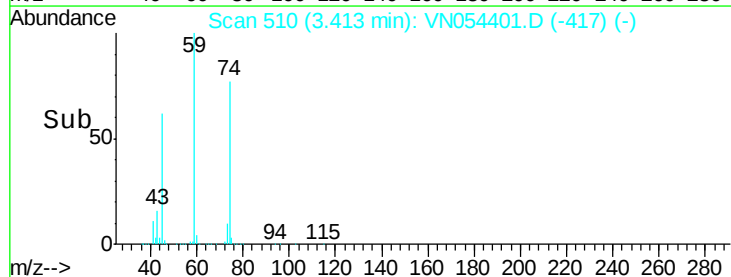
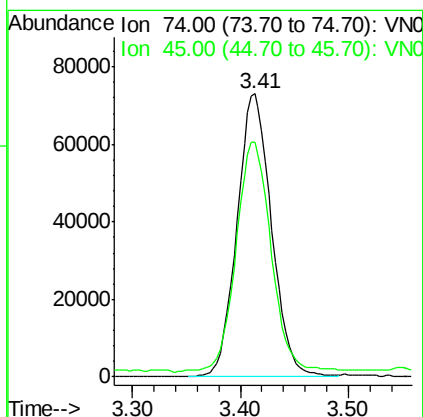
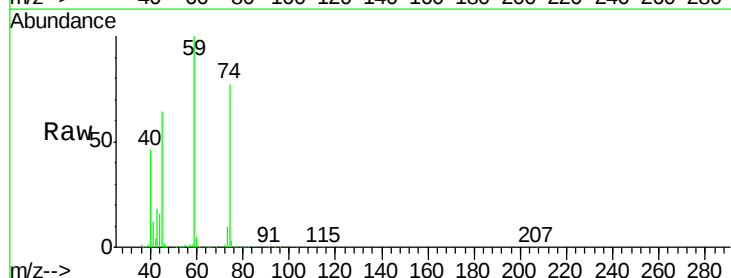
Tot Ion:101 Resp: 315597
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.2

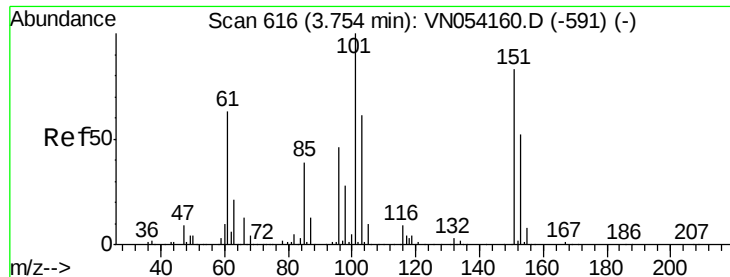


#8

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 :

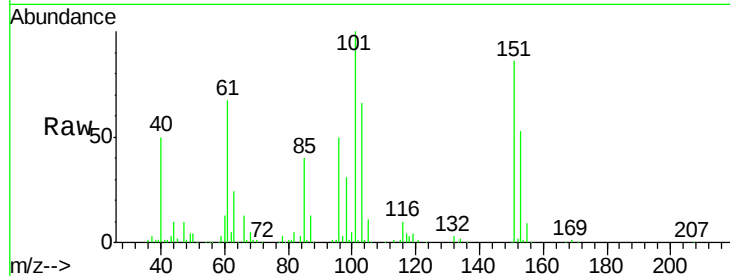
Tot Ion:101 Resp: 252700

Ion Ratio Lower Upper

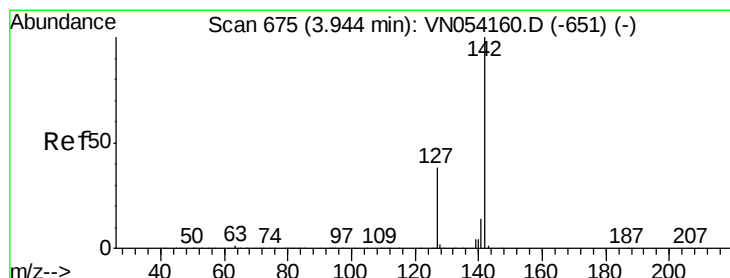
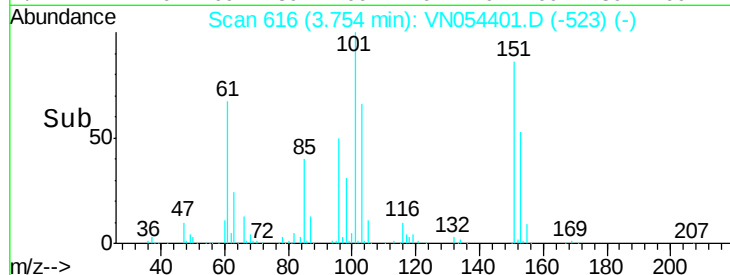
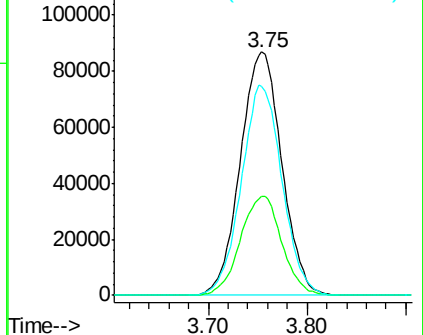
101 100

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): V
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

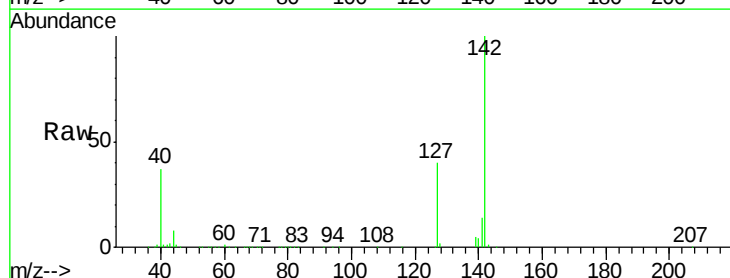
Tgt Ion:142 Resp: 320168

Ion Ratio Lower Upper

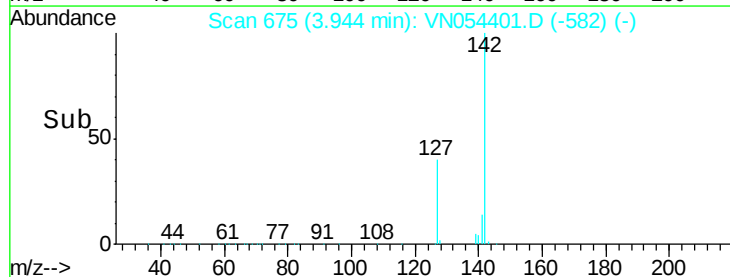
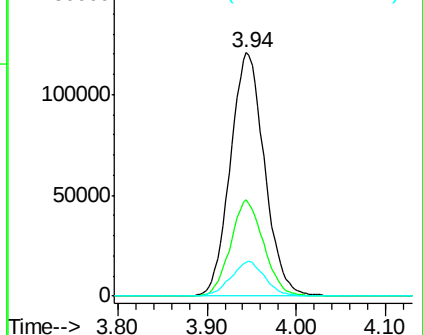
142 100

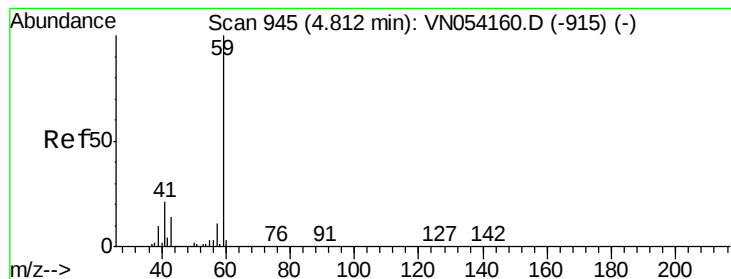
127 38.4 30.3 45.5

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



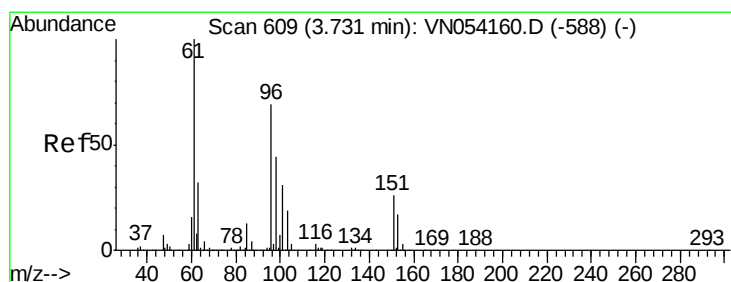
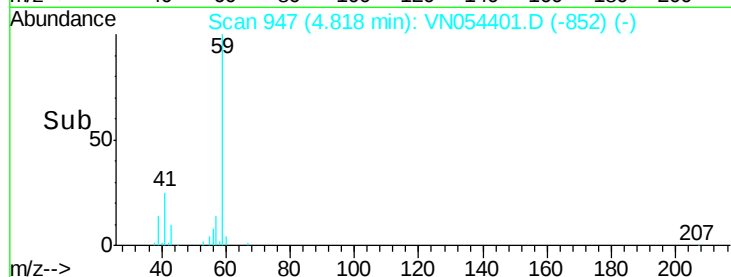
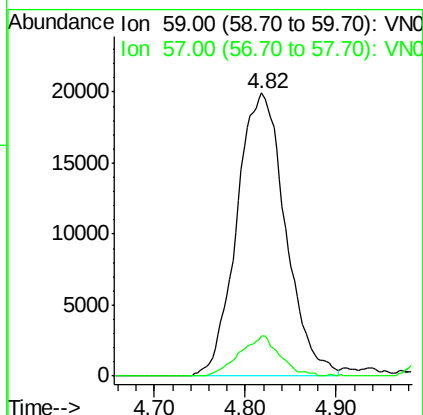
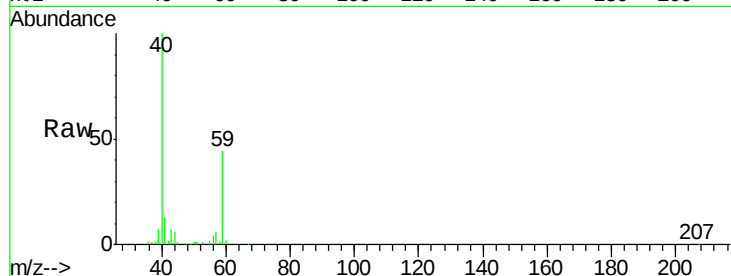


#11

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 :

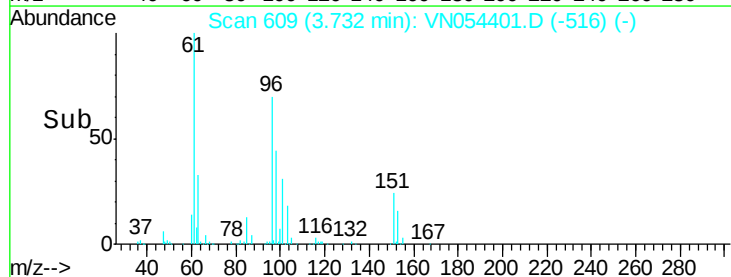
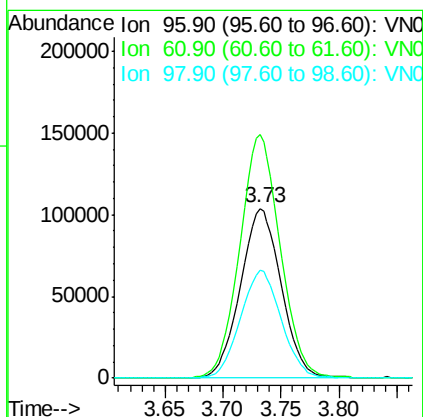
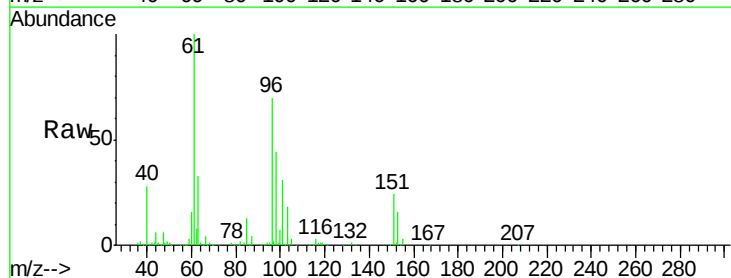
Tot Ion: 59 Resp: 73992
 Ion Ratio Lower Upper
 59 100
 57 11.9 9.0 13.6

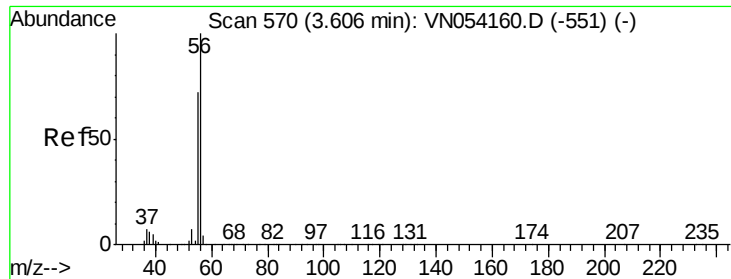


#12

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

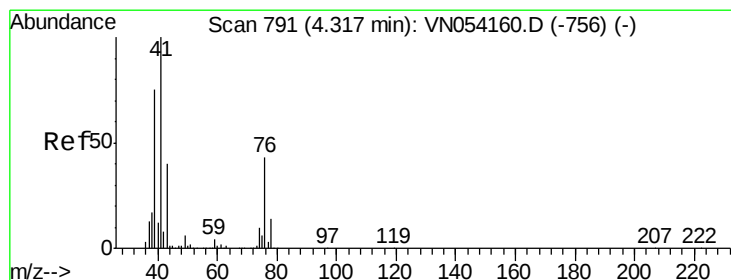
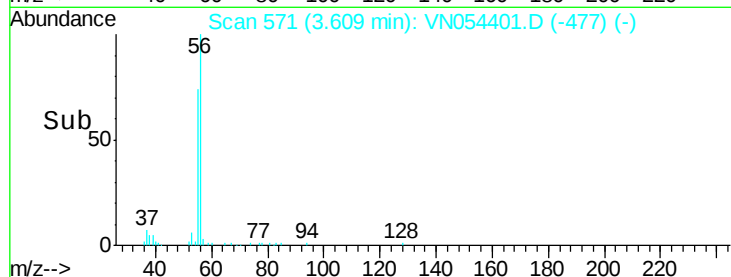
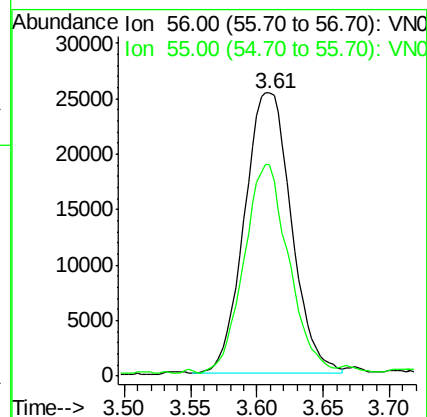
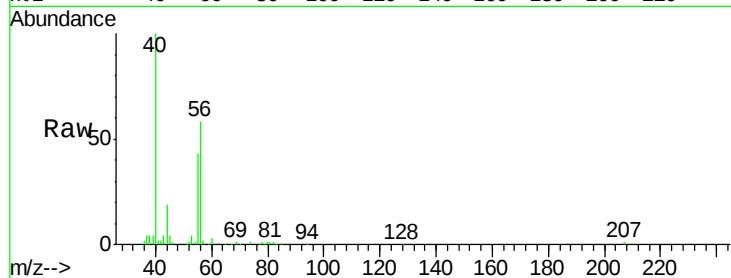
Lab File: VN054401.D

Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :

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

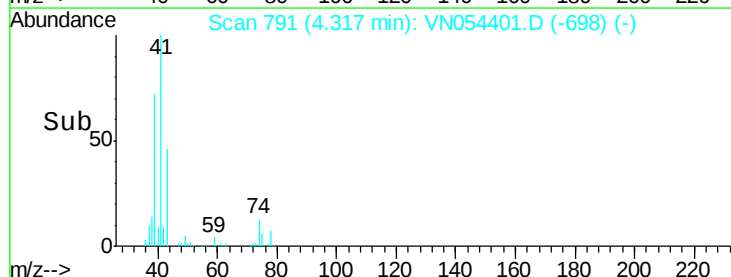
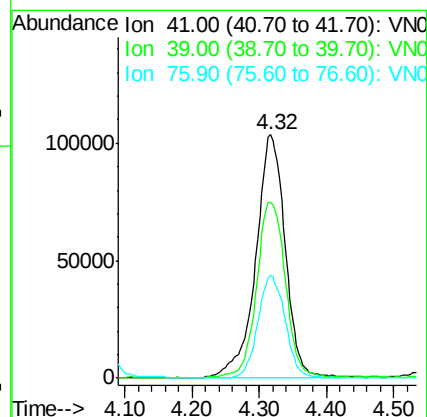
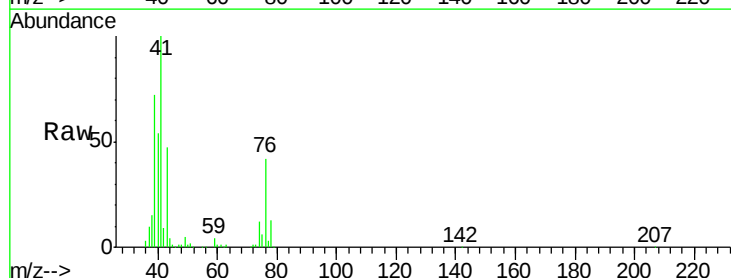
Delta R.T. 0.00 min

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 :

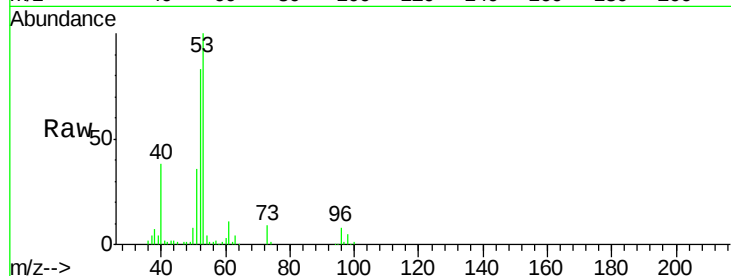
Tot Ion: 53 Resp: 390620

Ion Ratio Lower Upper

53 100

52 82.0 66.4 99.6

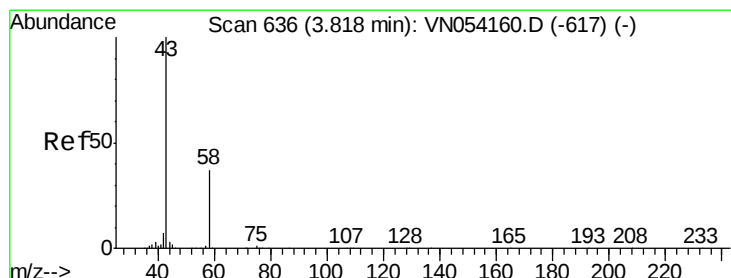
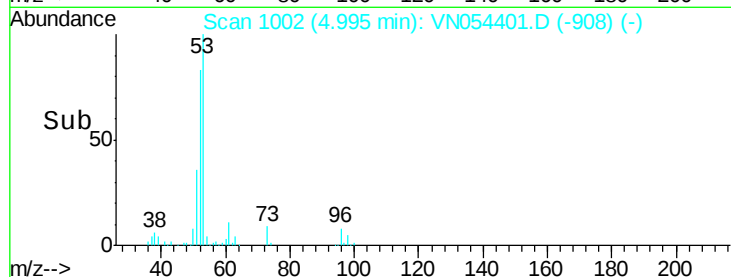
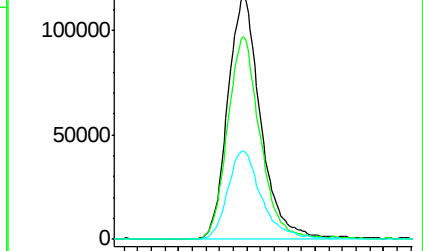
51 36.9 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN054401.D (-973) (-)

Ion 52.00 (51.70 to 52.70): VN054401.D (-973) (-)

Ion 51.00 (50.70 to 51.70): VN054401.D (-973) (-)



#16

Acetone

Concen: 76.534 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054401.D

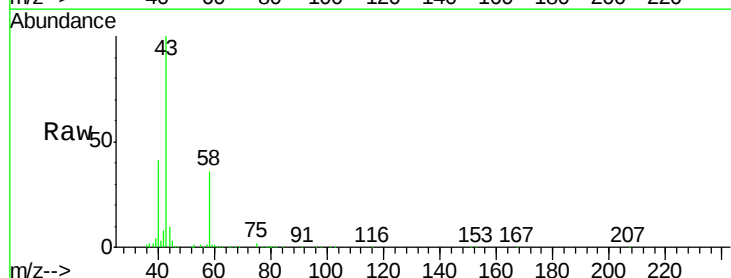
Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 267811

Ion Ratio Lower Upper

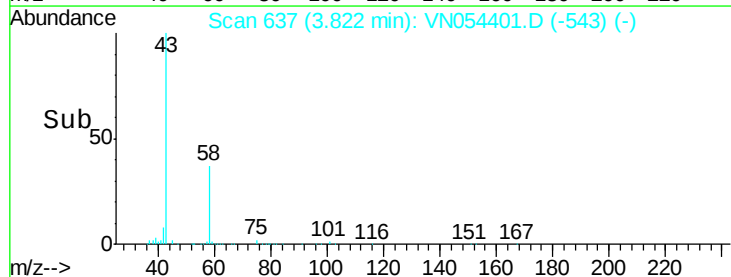
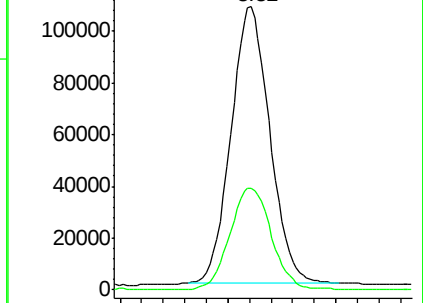
43 100

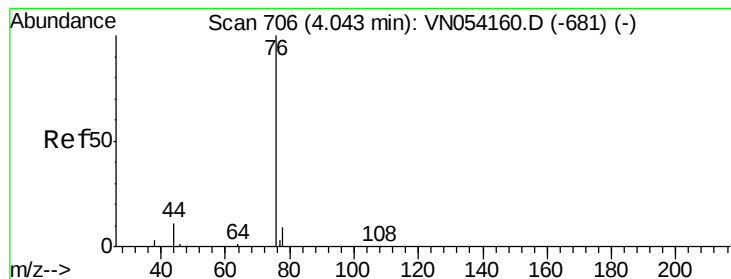
58 36.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN054401.D (-617) (-)

Ion 58.00 (57.70 to 58.70): VN054401.D (-617) (-)





#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

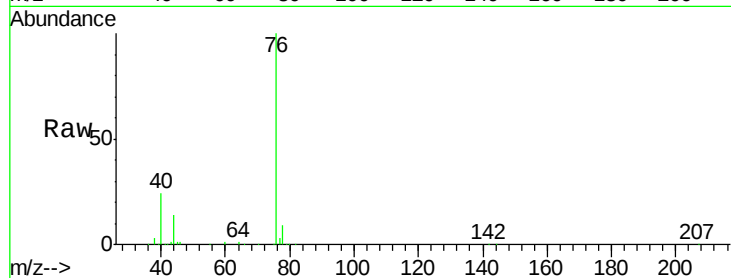
ClientSampleId :

Tot Ion: 76 Resp: 503757

Ion Ratio Lower Upper

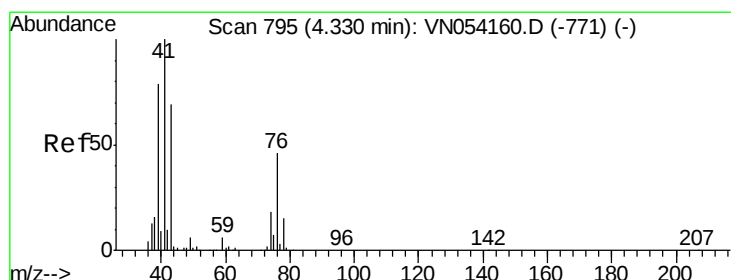
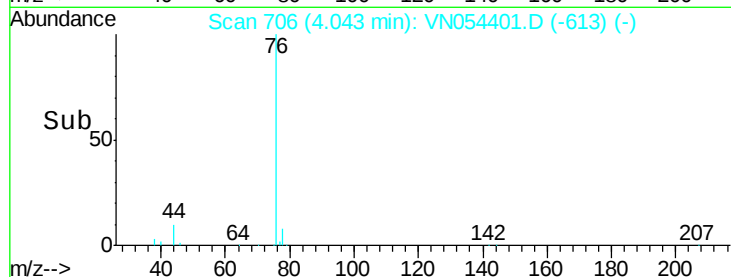
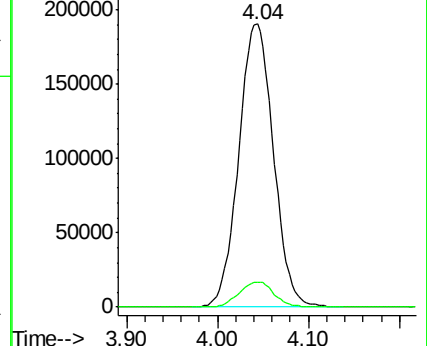
76 100

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

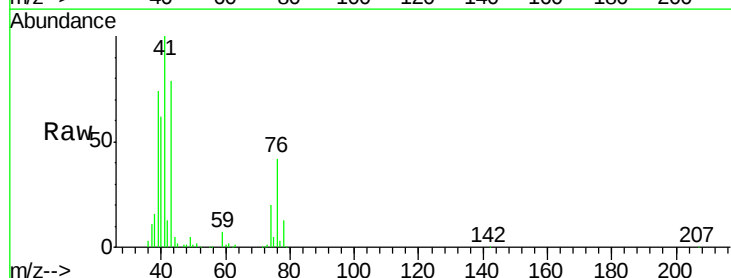
Acq: 18 Mar 2019 18:33

Tgt Ion: 43 Resp: 187059

Ion Ratio Lower Upper

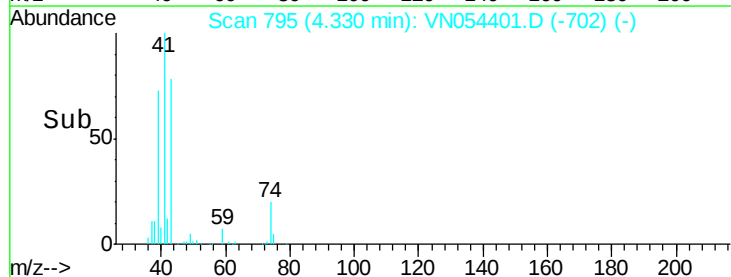
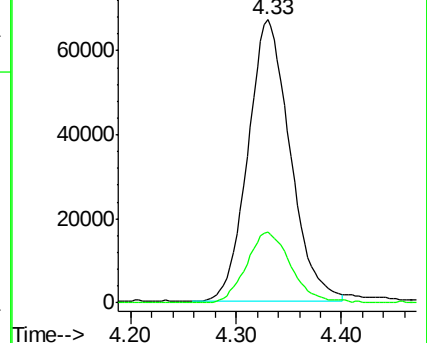
43 100

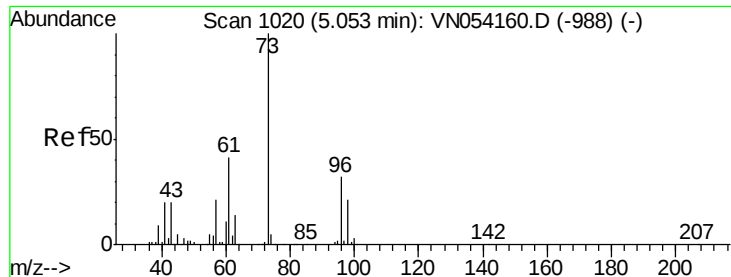
74 26.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

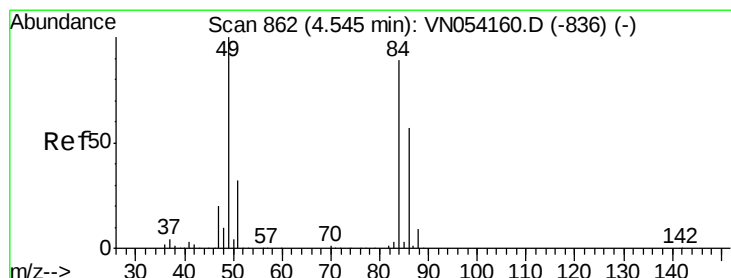
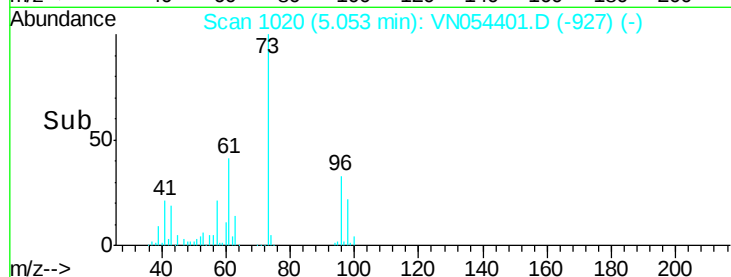
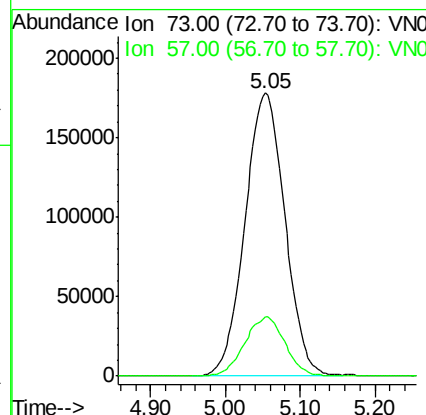
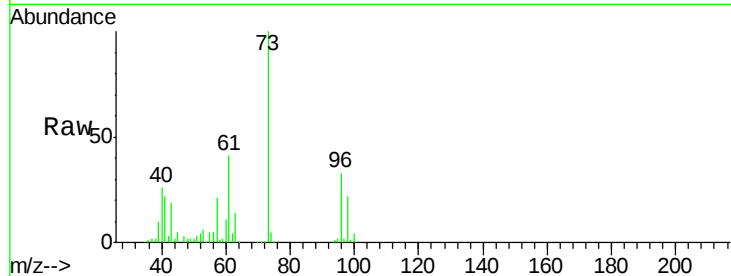




#19
Methvl tert-butvl Ether
Concen: 22.324 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

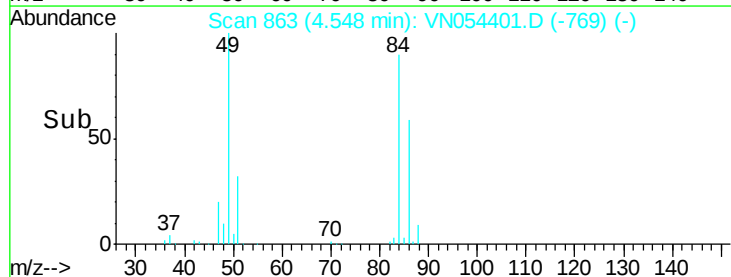
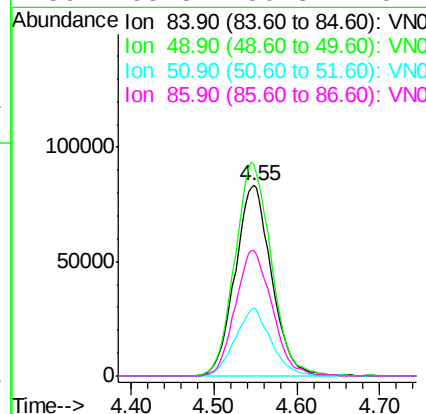
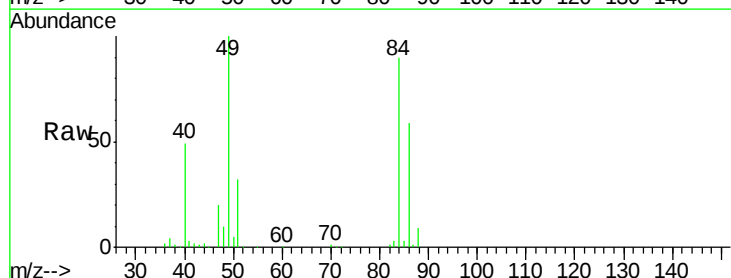
Instrument :
MSVOA_N
ClientSampleId :

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
ClientSampleId :

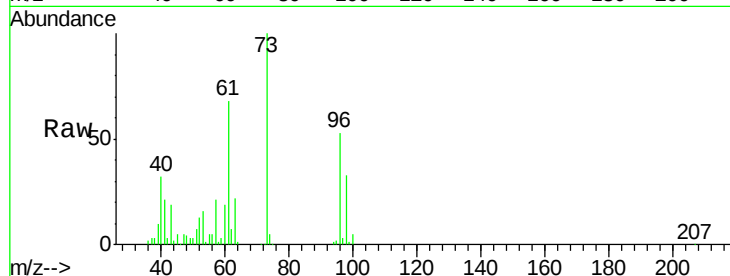
Tot Ion: 96 Resp: 241238

Ion Ratio Lower Upper

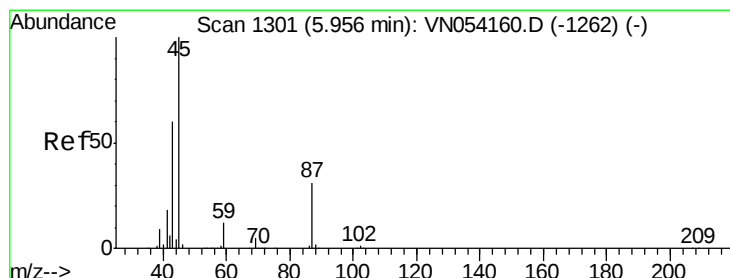
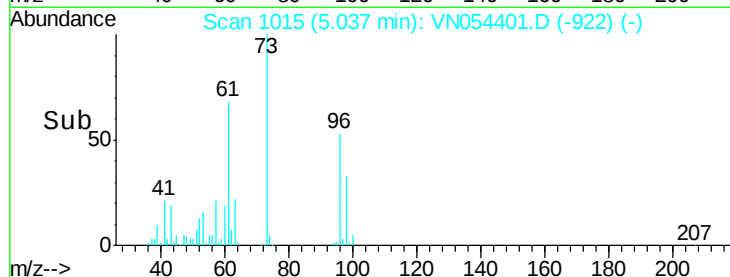
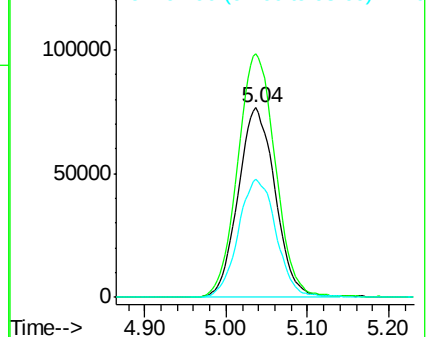
96 100

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

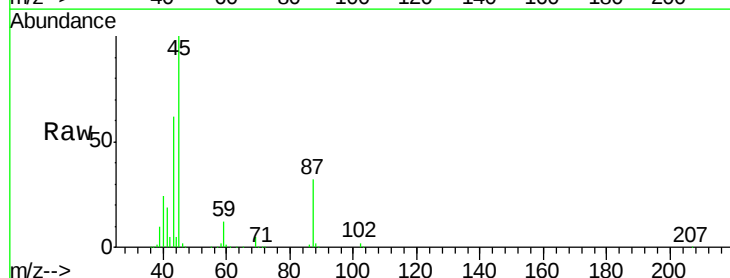
Ion Ratio Lower Upper

45 100

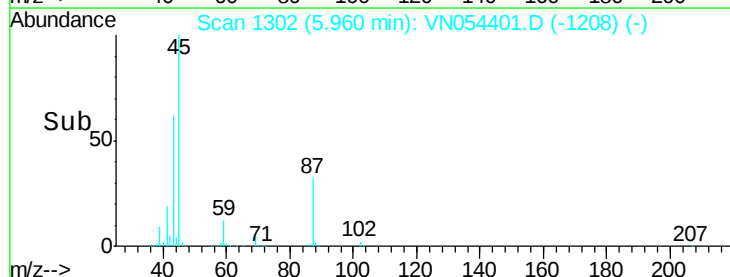
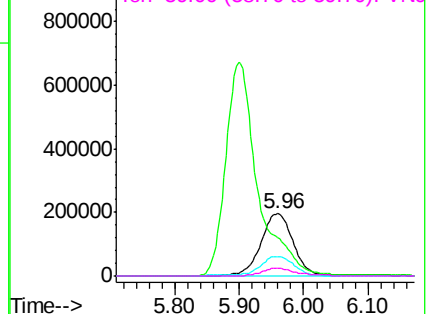
43 61.7 48.2 72.2

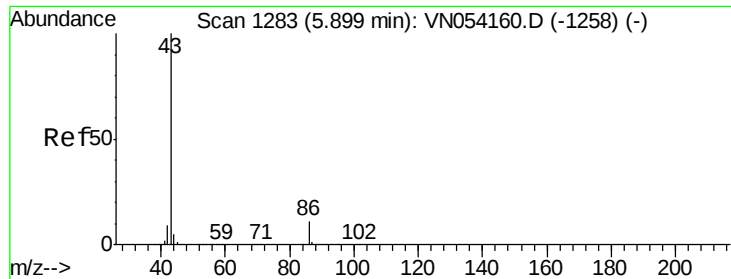
87 31.2 24.9 37.3

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

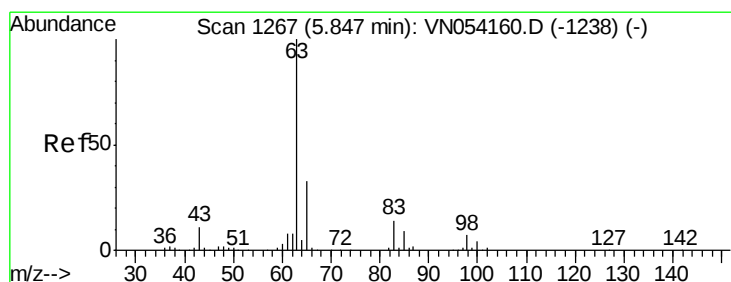
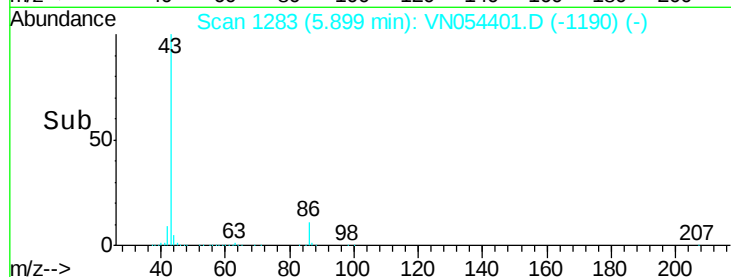
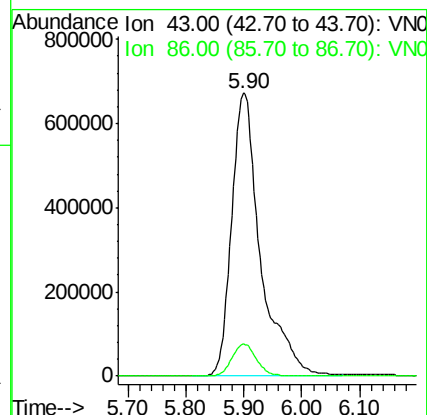
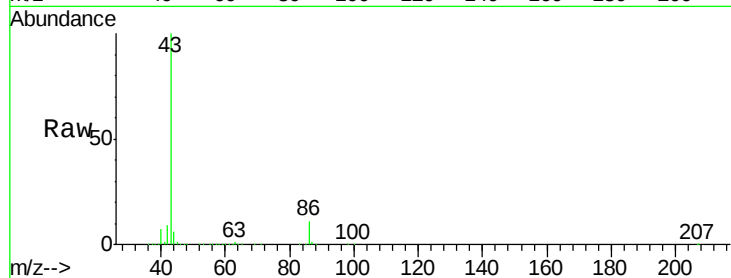




#23
 Vinyl Acetate
 Concen: 103.208 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

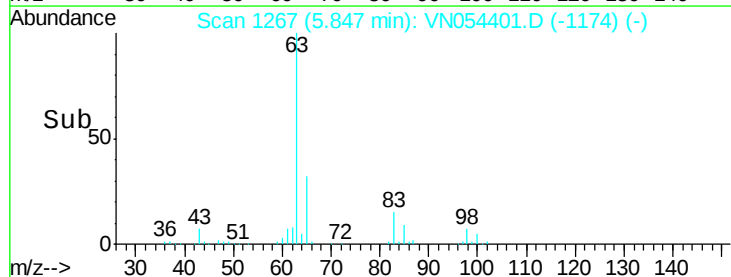
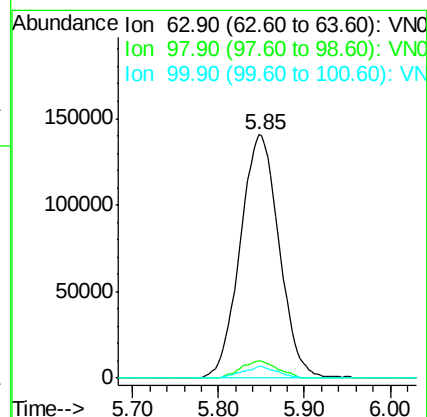
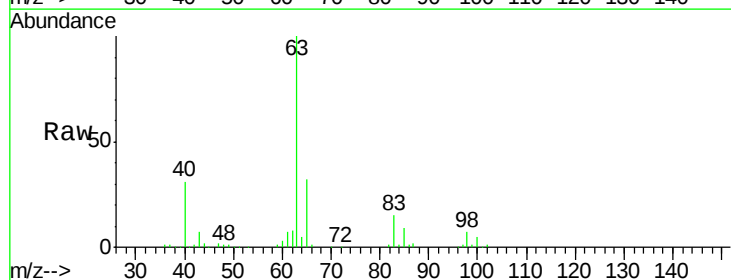
Instrument :
 MSVOA_N
 ClientSampleId :

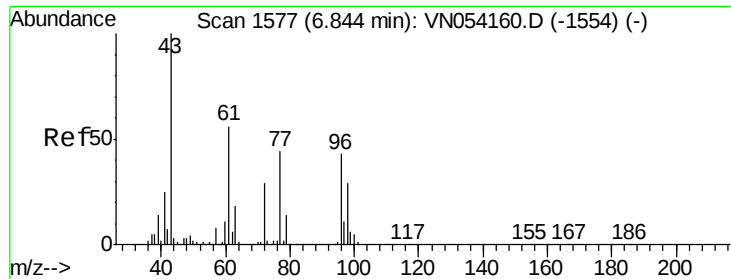
Tot Ion: 43 Resp: 2329616
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.1 13.7



#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

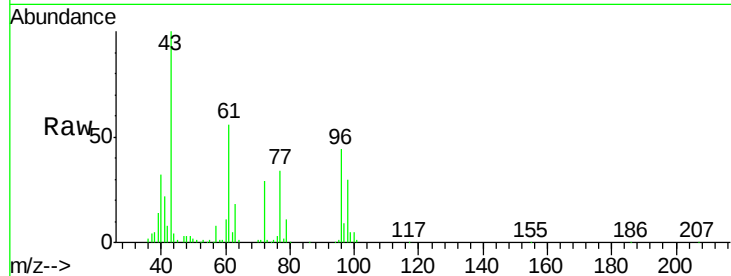
ClientSampled :

Tot Ion: 43 Resp: 430800

Ion Ratio Lower Upper

43 100

72 28.7 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

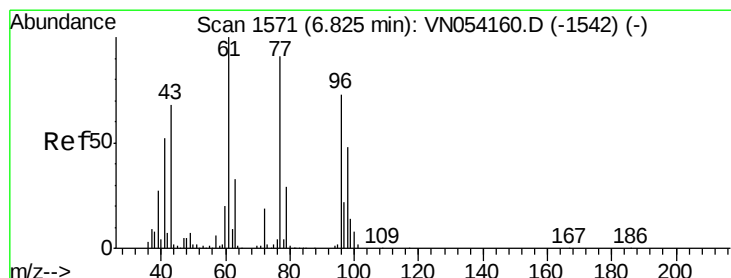
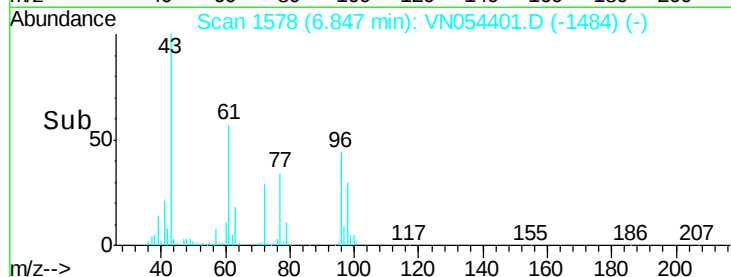
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#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

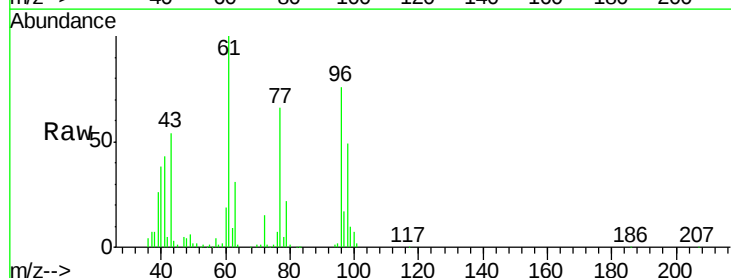
Acq: 18 Mar 2019 18:33

Tgt Ion: 77 Resp: 274534

Ion Ratio Lower Upper

77 100

97 24.4 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

100000

80000

60000

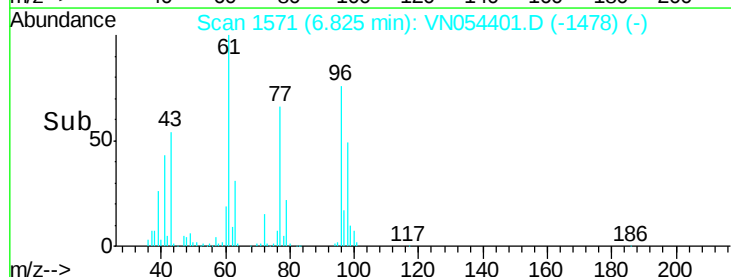
40000

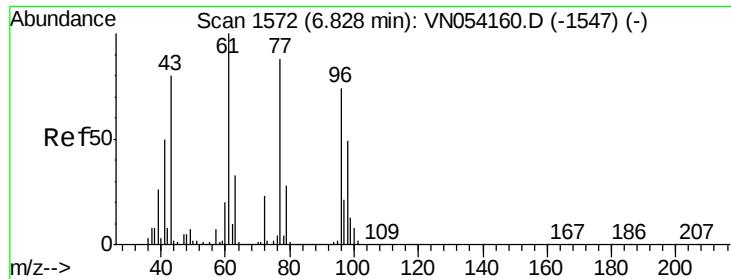
20000

0

6.70 6.80 6.90

Time-->

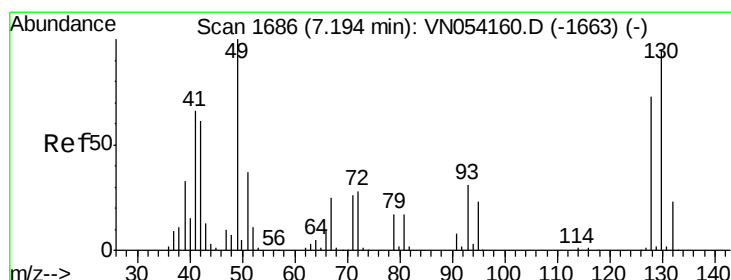
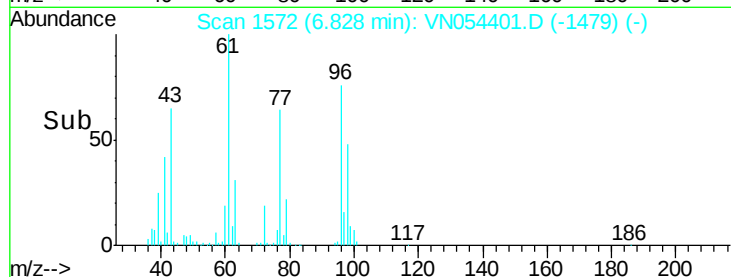
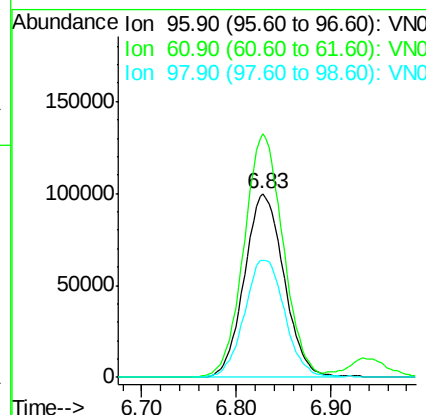
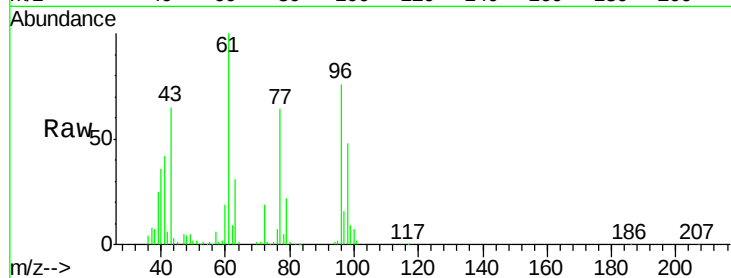




#27
 cis-1,2-Dichloroethene
 Concen: 22.743 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

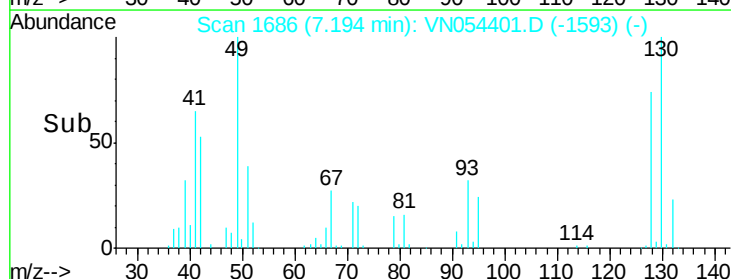
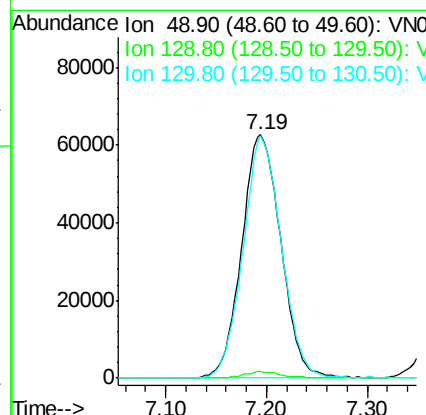
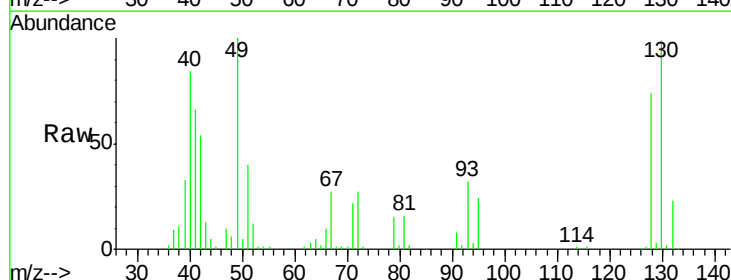
Instrument :
 MSVOA_N
 ClientSampleId :

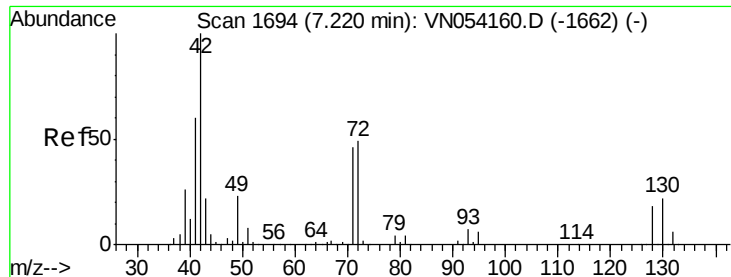
Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	0.0	273.0
98	64.9	0.0	130.6



#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	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.6
130	97.0	76.7	115.1

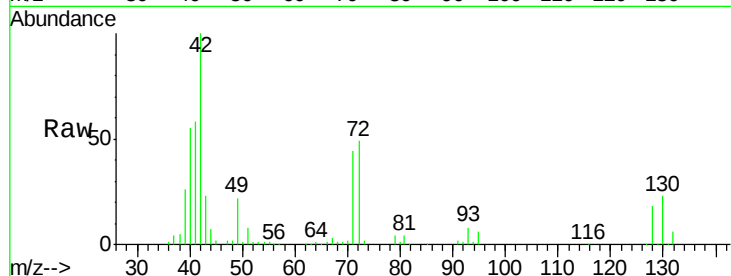




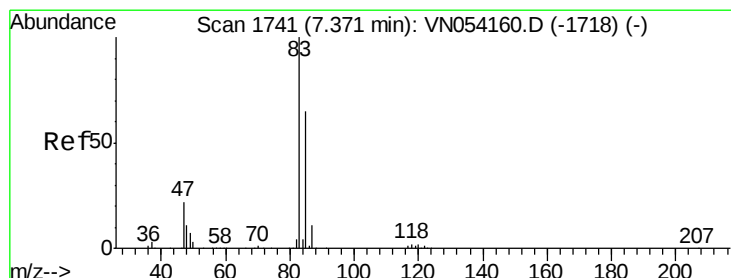
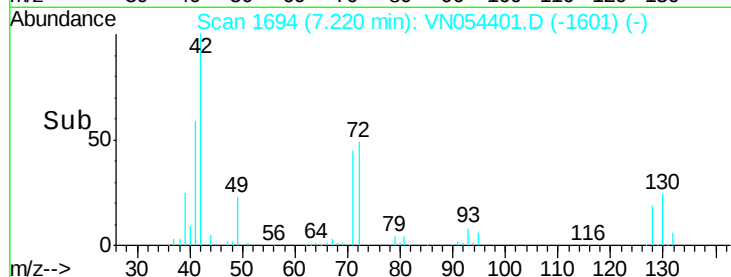
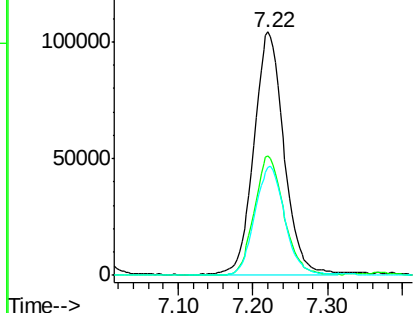
#29
Tetrahydrofuran
Concen: 109.801 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampleId :

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

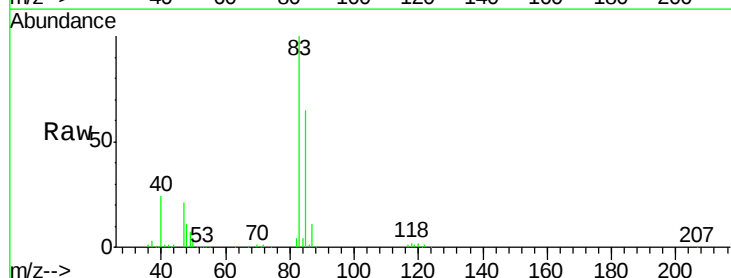


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

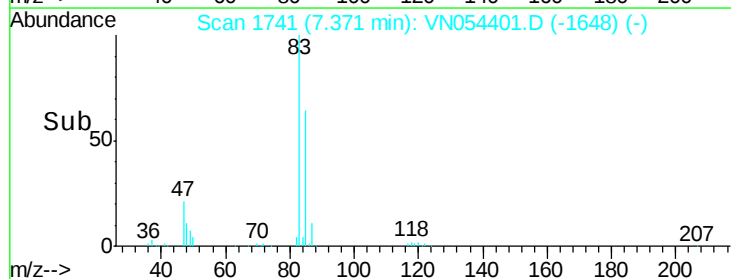
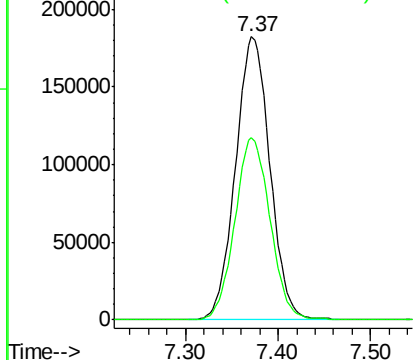


#30
Chloroform
Concen: 22.886 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

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): VN0
Ion 84.90 (84.60 to 85.60): VN0

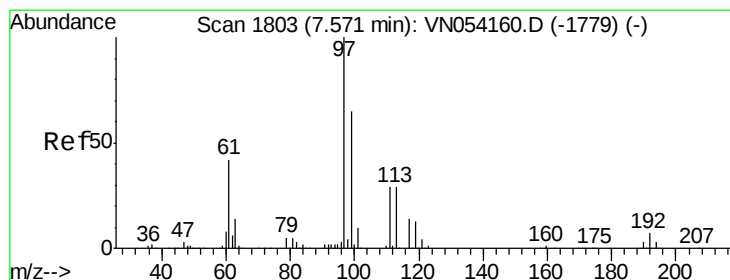
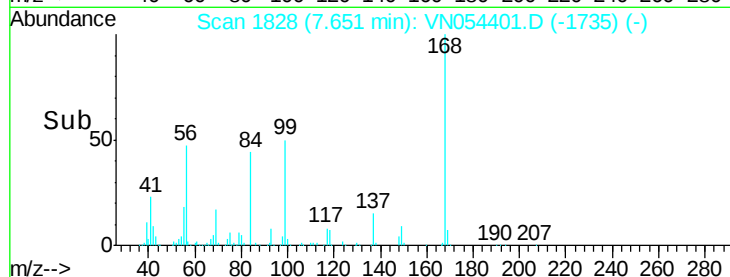
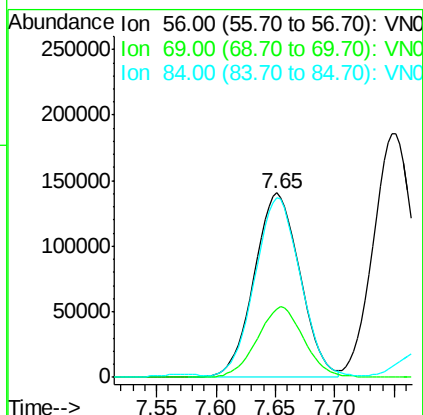
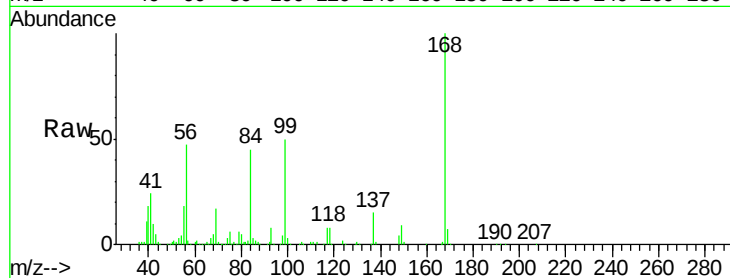




#31
Cyclohexane
Concen: 19.620 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

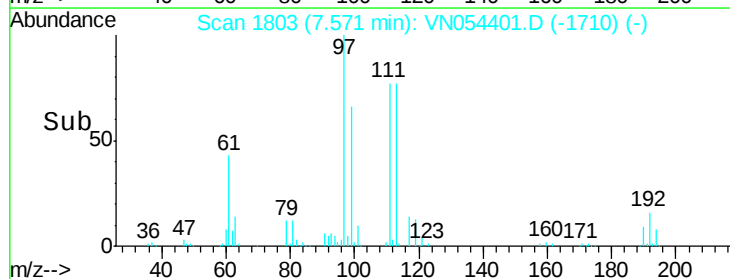
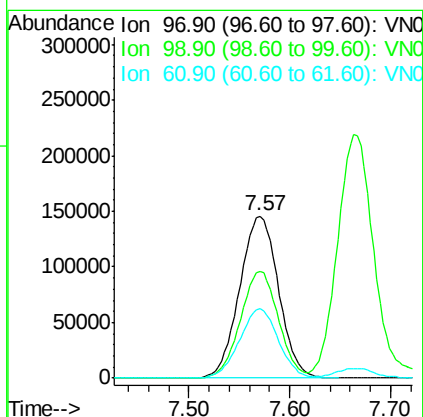
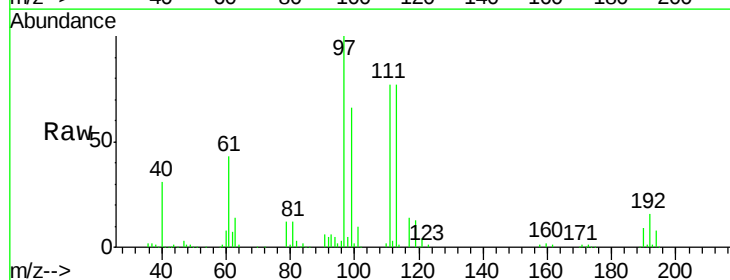
Instrument :
MSVOA_N
ClientSampleId :

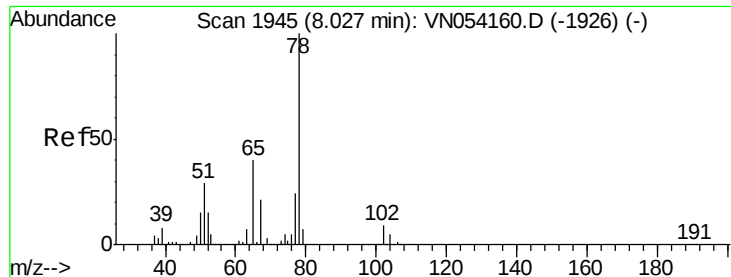
Tot Ion: 56 Resp: 374280
Ion Ratio Lower Upper
56 100
69 37.1 27.8 41.6
84 95.6 74.6 111.8



#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





#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

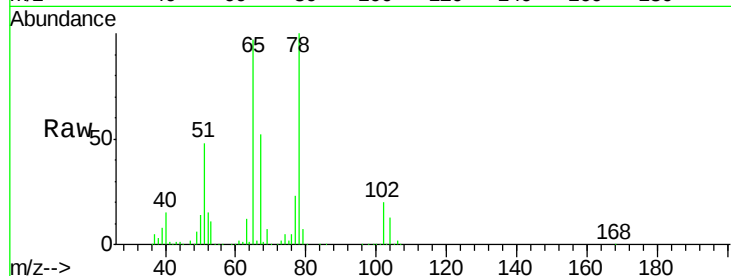
ClientSampleId :

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): VN054401.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054401.D (-1852) (-)

8.03

300000

250000

200000

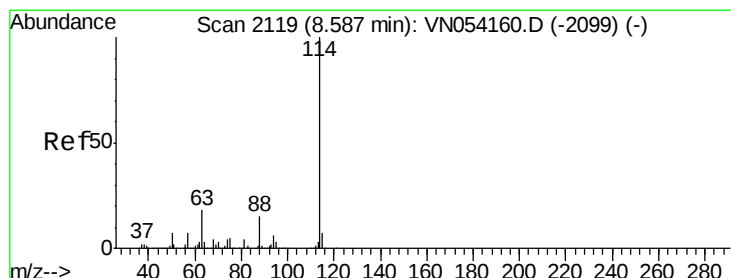
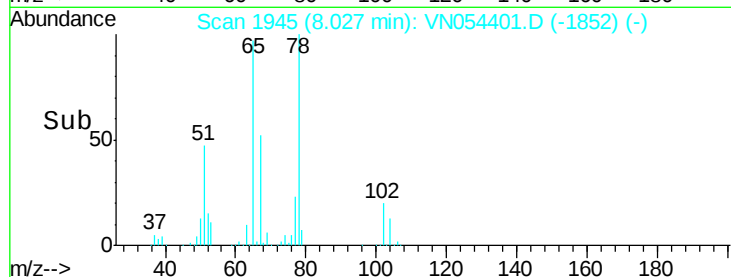
150000

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

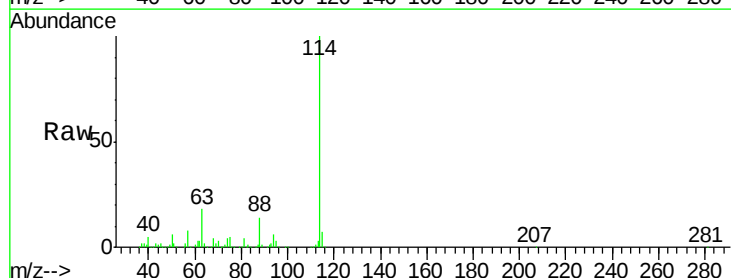
Tgt Ion: 114 Resp: 1848285

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): VN054401.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN054401.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN054401.D (-2026) (-)

8.59

1000000

800000

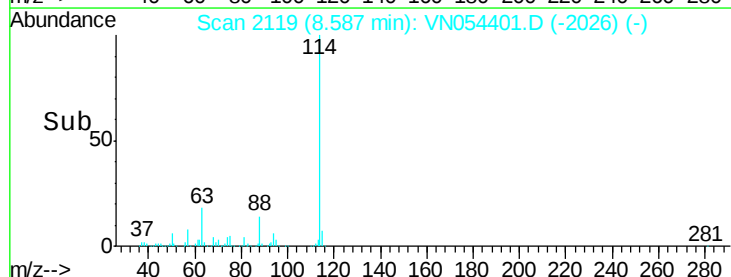
600000

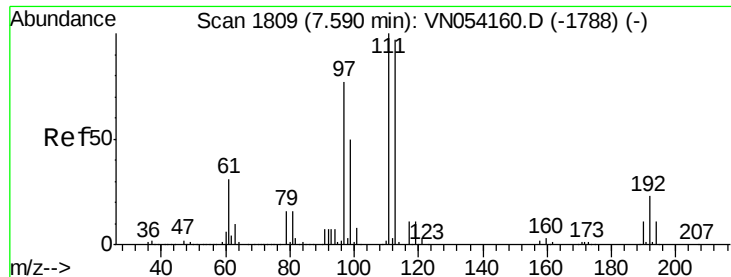
400000

200000

0

Time-->

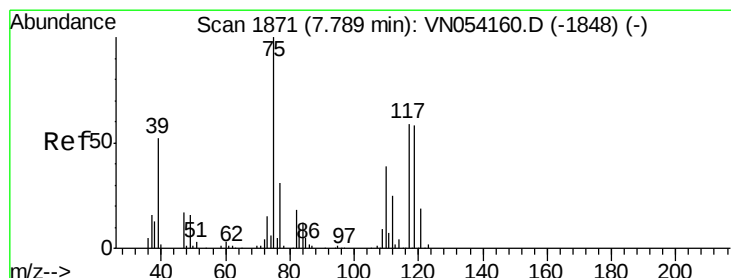
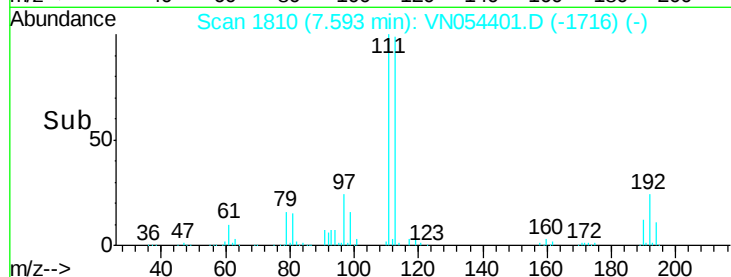
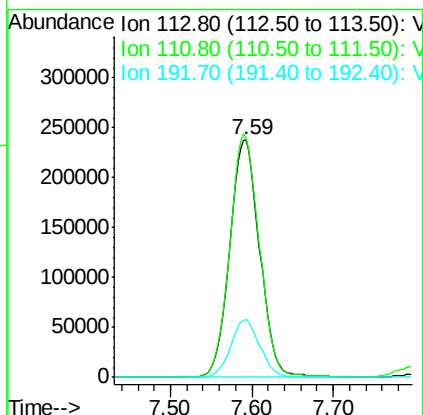
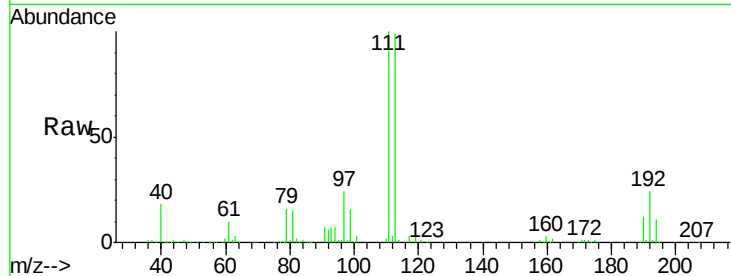




#35
 Dibromofluoromethane
 Concen: 50.989 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

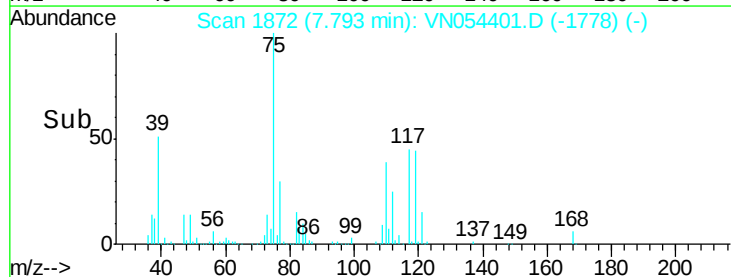
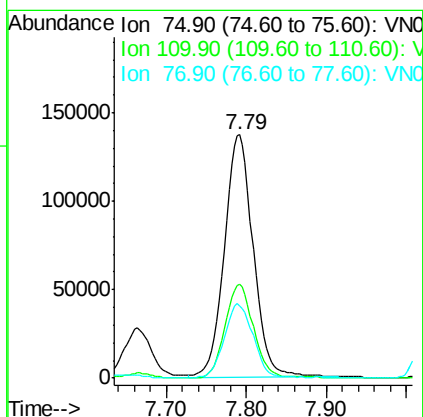
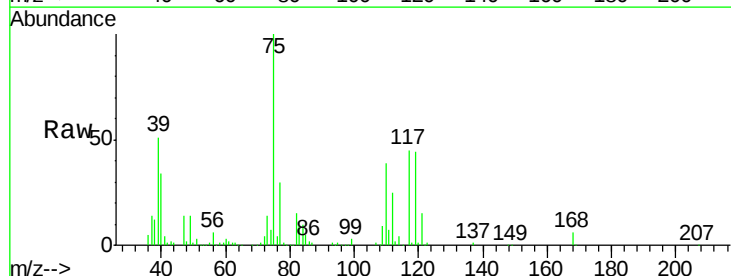
Instrument :
 MSVOA_N
 ClientSampled :

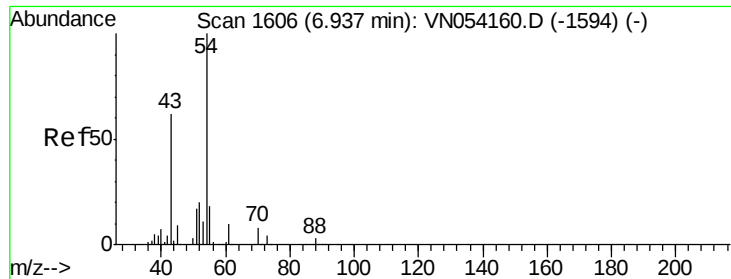
Tot Ion:113 Resp: 607823
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 23.6 19.2 28.8



#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

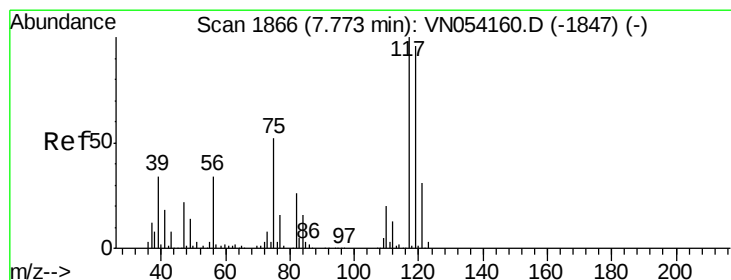
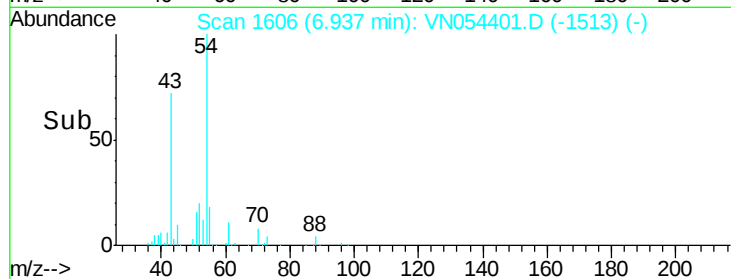
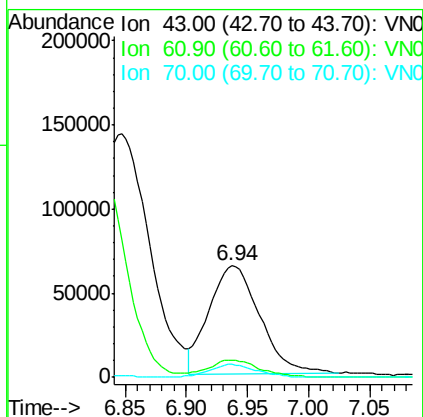
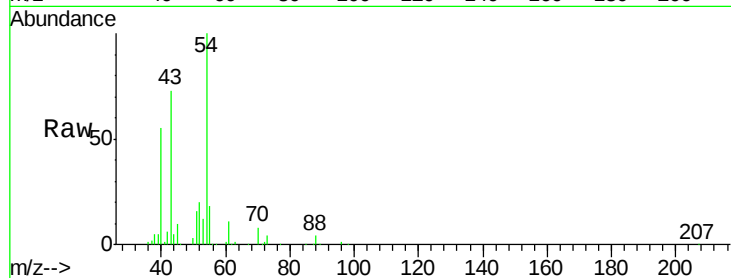




#37
Ethyl Acetate
Concen: 19.188 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

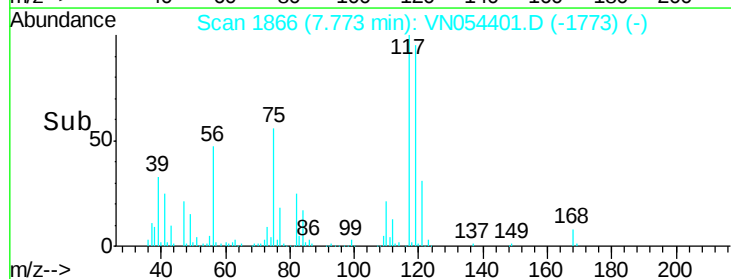
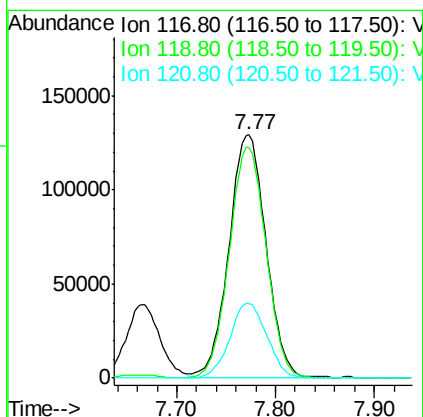
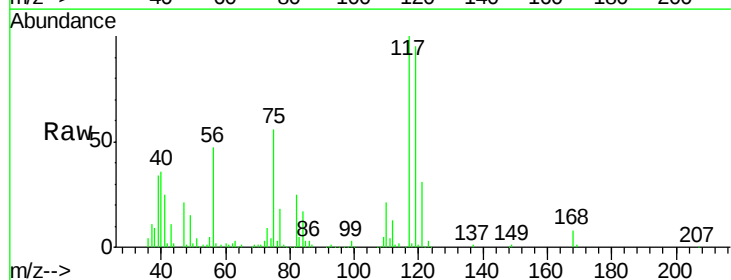
Instrument :
MSVOA_N
ClientSampleId :

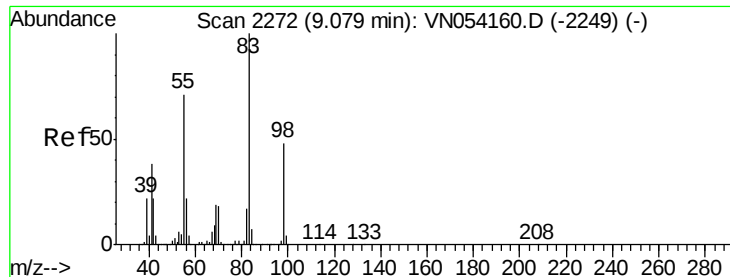
Tot Ion: 43 Resp: 187660
Ion Ratio Lower Upper
43 100
61 15.5 11.8 17.6
70 10.8 8.4 12.6



#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

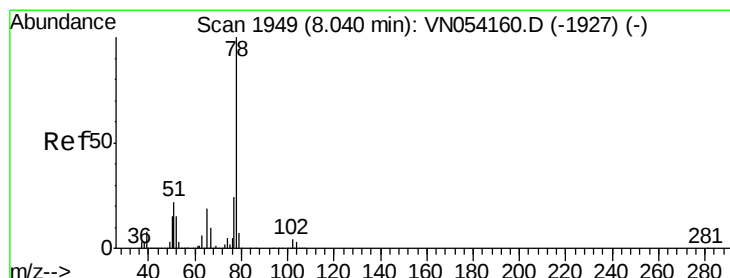
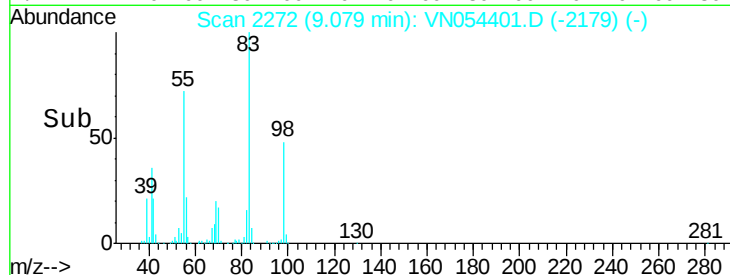
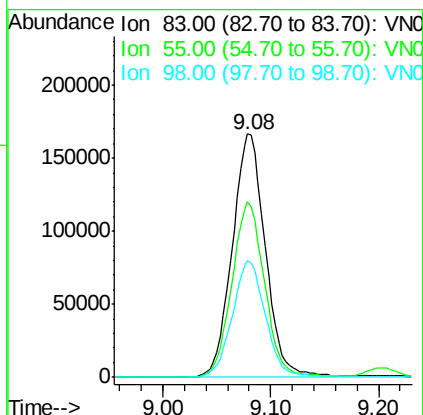
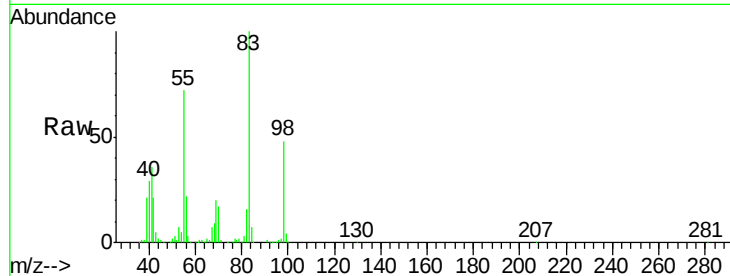




#39
Methvlcvclohexane
Concen: 17.048 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

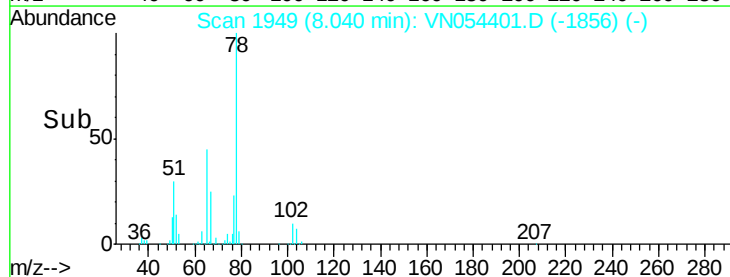
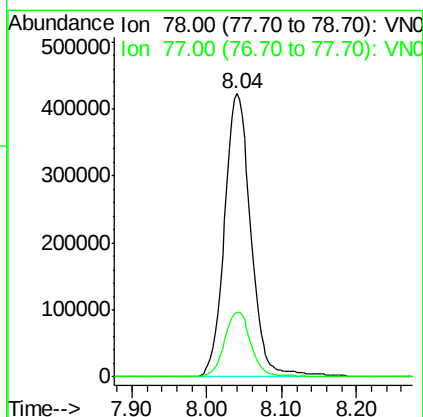
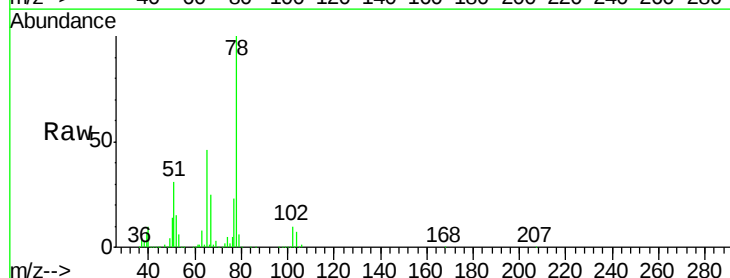
Instrument :
MSVOA_N
ClientSampled :

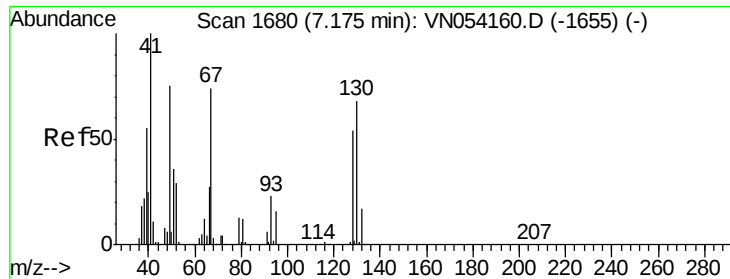
Tot Ion: 83 Resp: 357034
Ion Ratio Lower Upper
83 100
55 72.0 56.6 84.8
98 48.0 38.4 57.6



#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

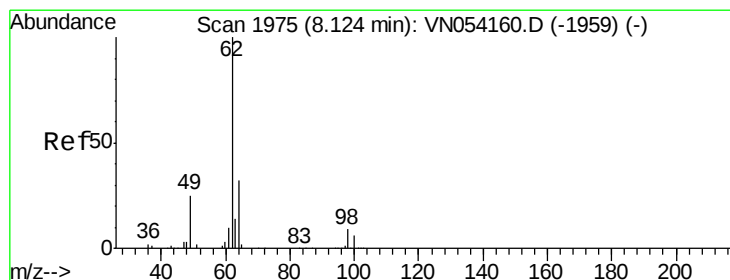
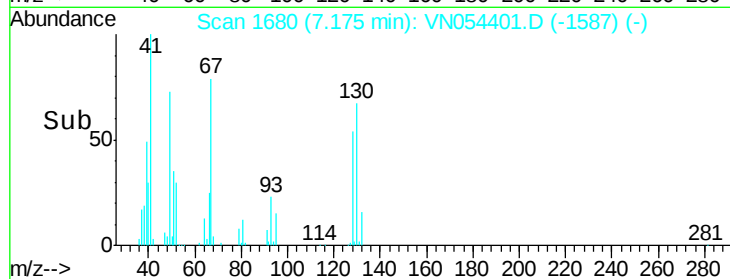
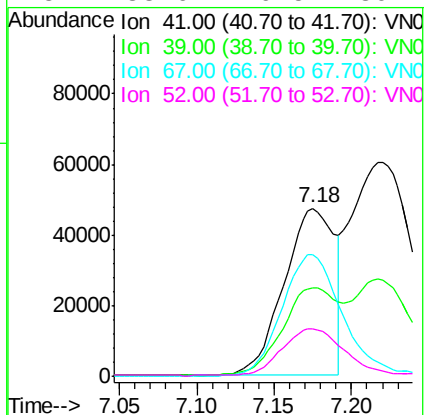
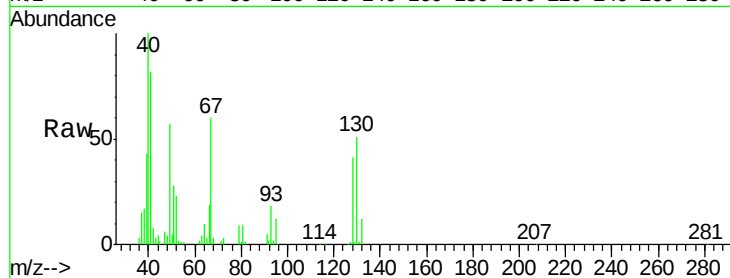




#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

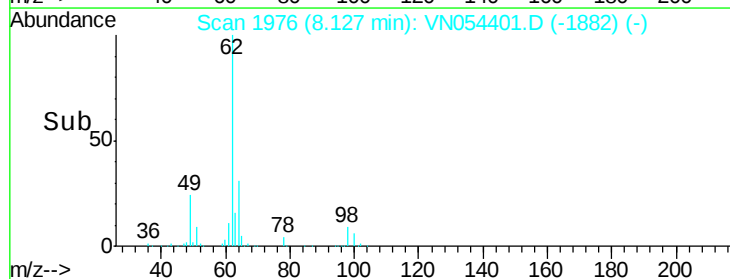
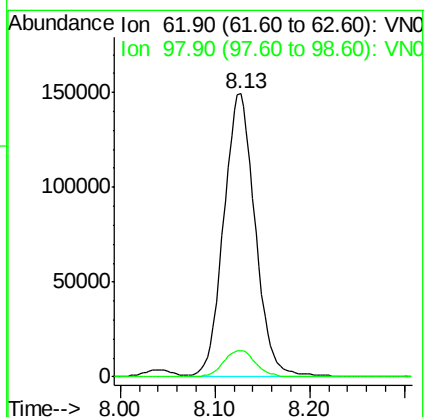
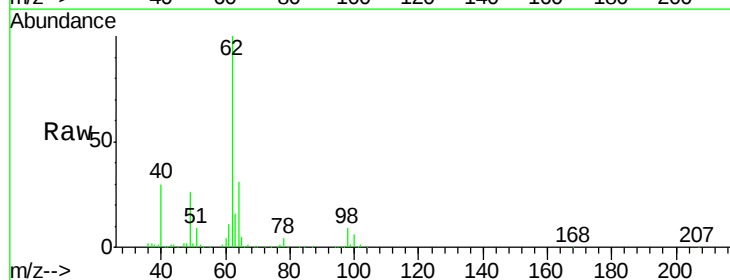
Instrument :
MSVOA_N
ClientSampled :

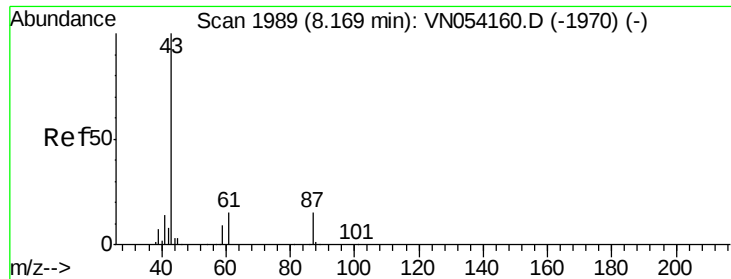
Tot Ion:	41	Resp:	107586
Ion	Ratio	Lower	Upper
41	100		
39	59.3	46.8	70.2
67	87.9	67.0	100.4
52	33.6	26.5	39.7



#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





#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 :

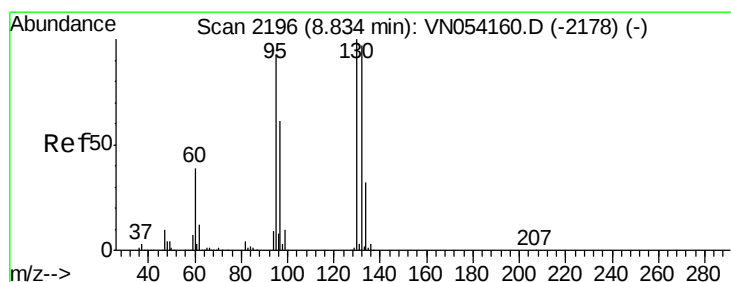
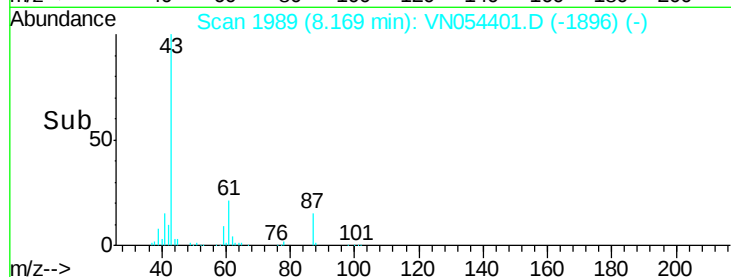
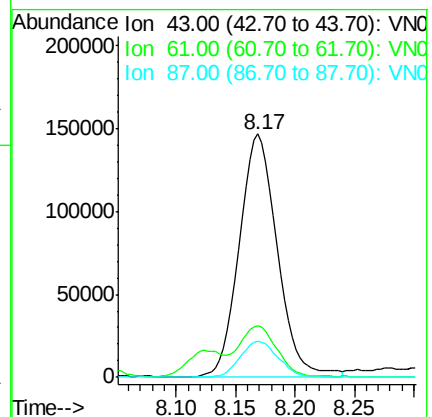
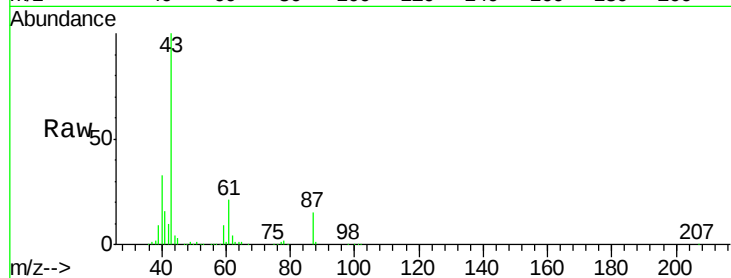
Tot Ion: 43 Resp: 322793

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

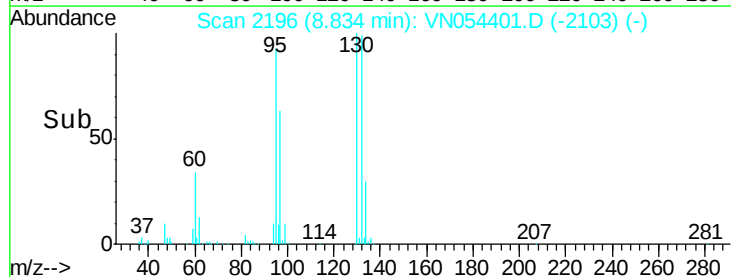
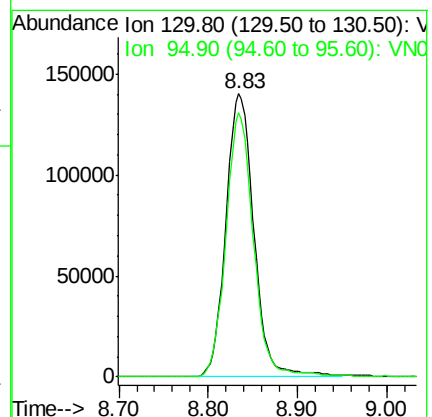
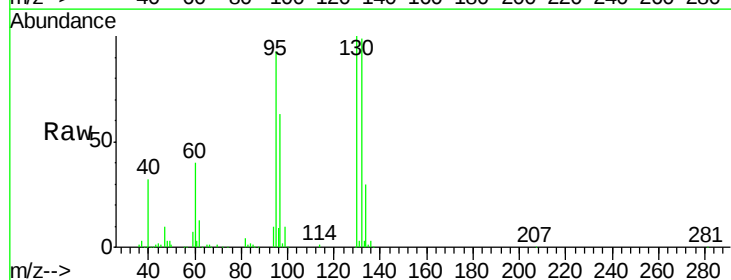
Acq: 18 Mar 2019 18:33

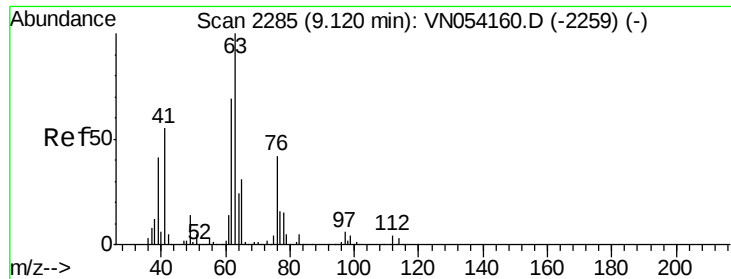
Tgt Ion: 130 Resp: 305484

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

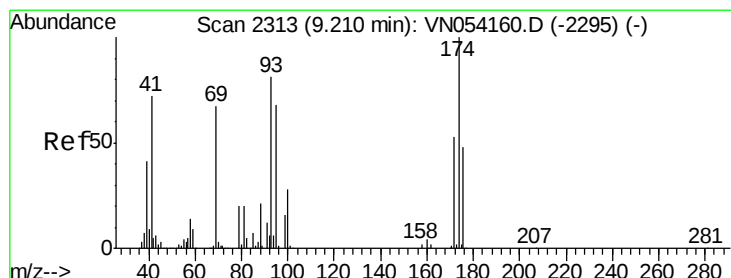
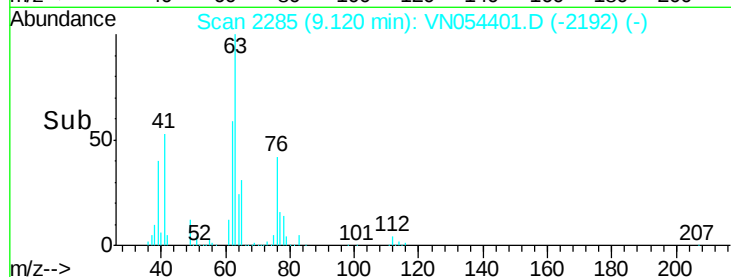
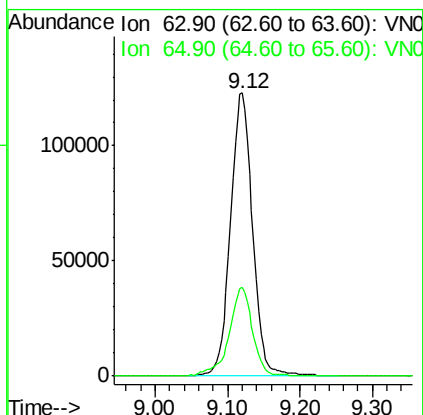
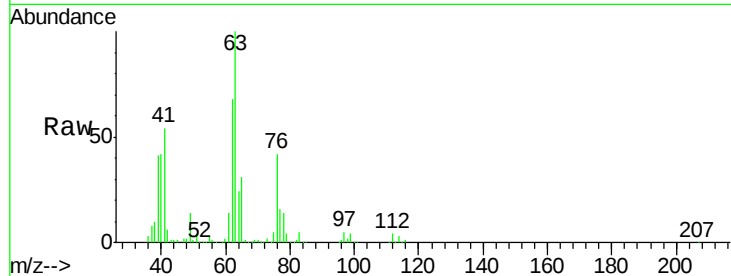
ClientSampleId :

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

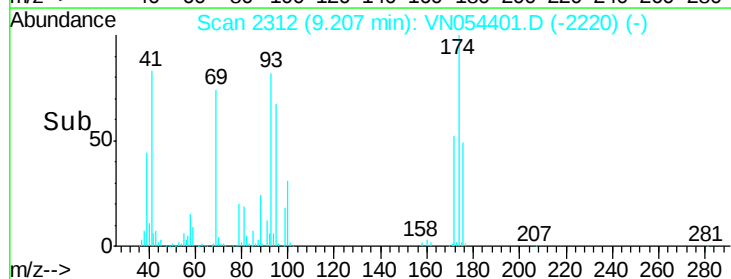
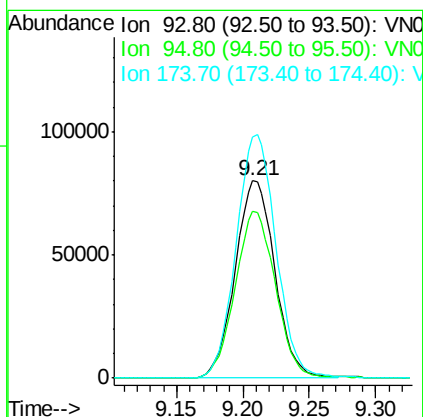
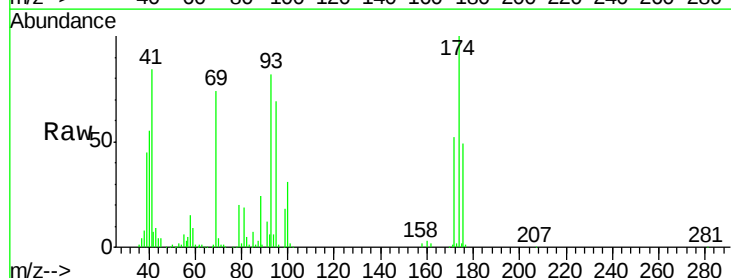
Tgt Ion: 93 Resp: 166653

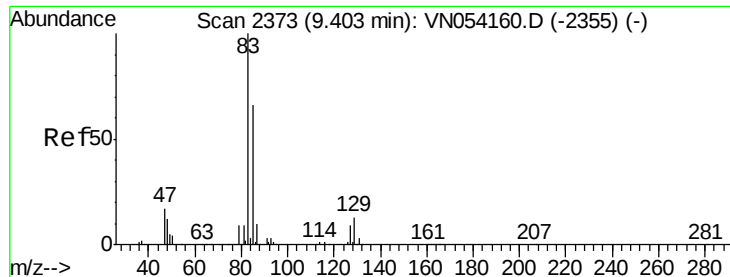
Ion Ratio Lower Upper

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
ClientSampled :

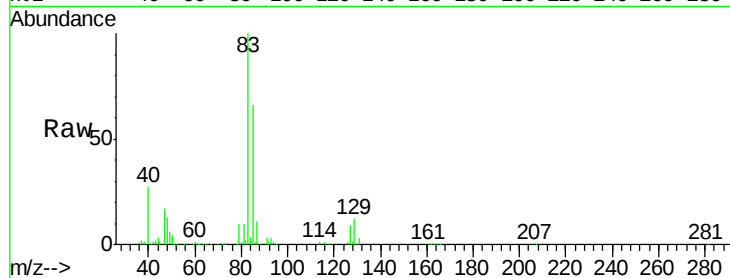
Tot Ion: 83 Resp: 330920

Ion Ratio Lower Upper

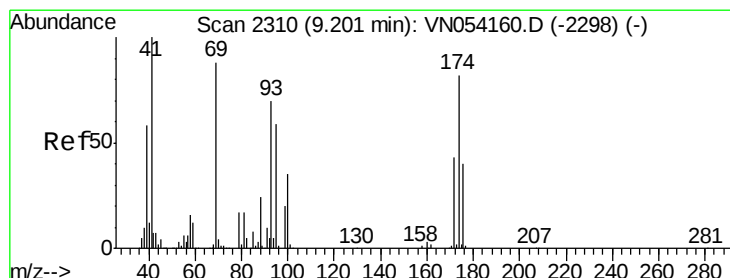
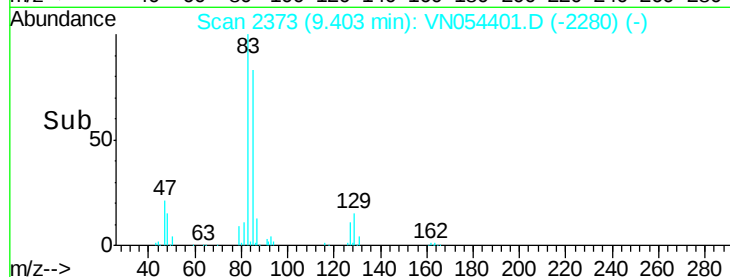
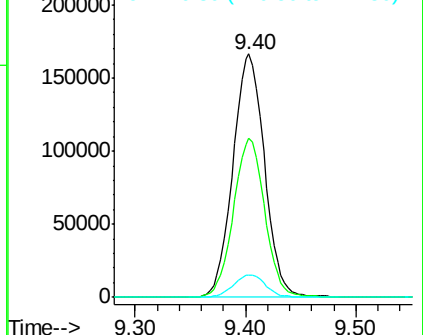
83 100

85 65.5 52.8 79.2

127 9.1 7.4 11.2



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



#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

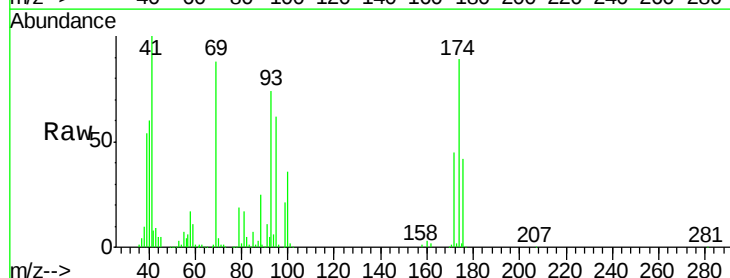
Tgt Ion: 41 Resp: 175105

Ion Ratio Lower Upper

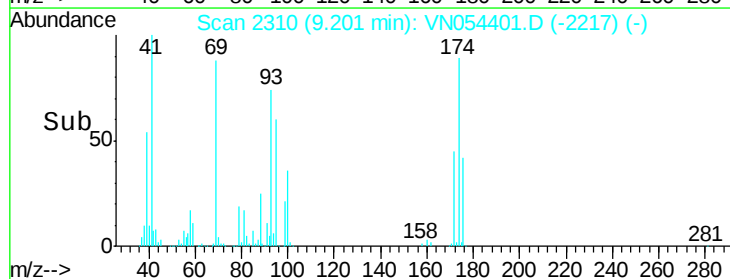
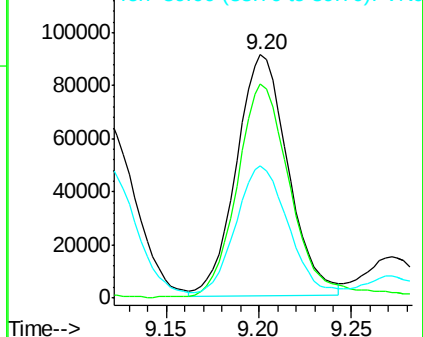
41 100

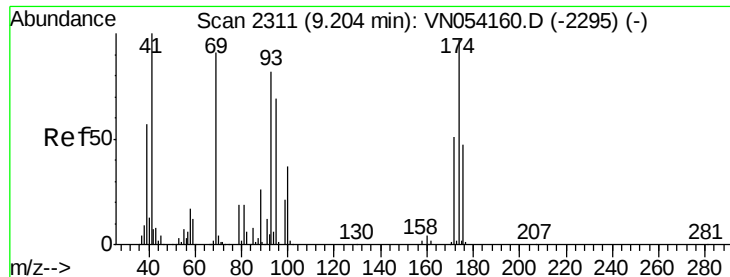
69 92.8 72.6 108.8

39 56.9 47.5 71.3



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





#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 :

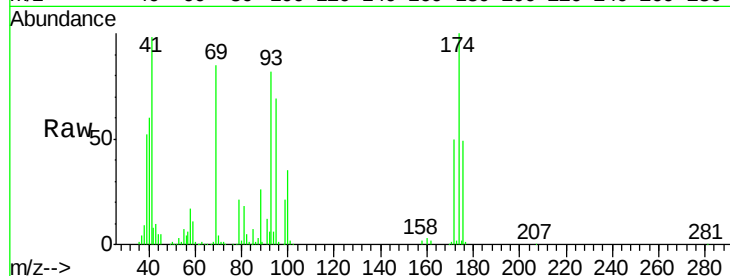
Tot Ion: 88 Resp: 50719

Ion Ratio Lower Upper

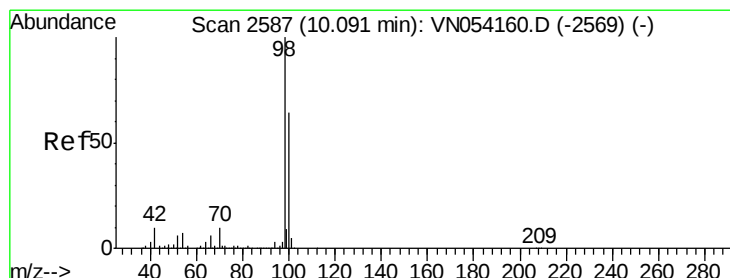
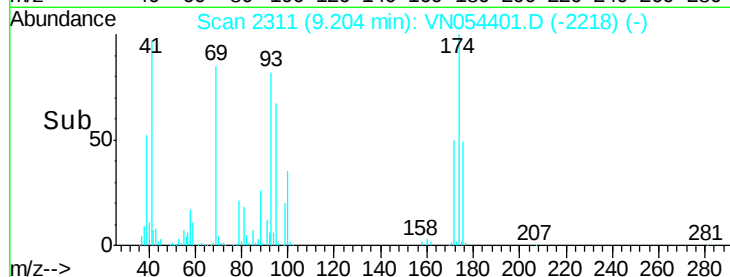
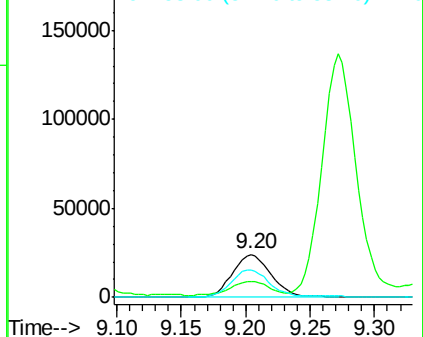
88 100

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

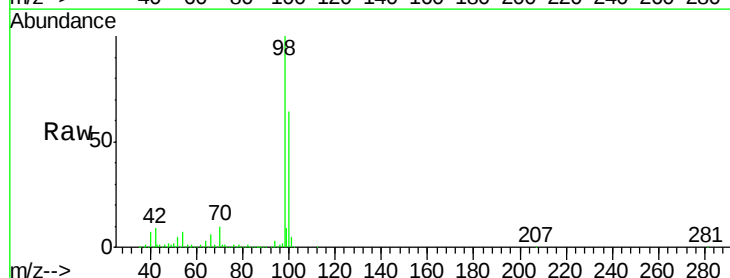
Acq: 18 Mar 2019 18:33

Tgt Ion: 98 Resp: 2158698

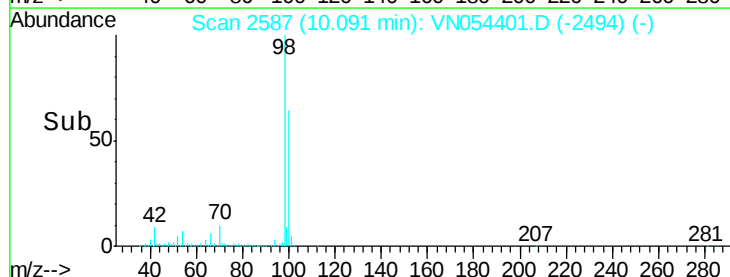
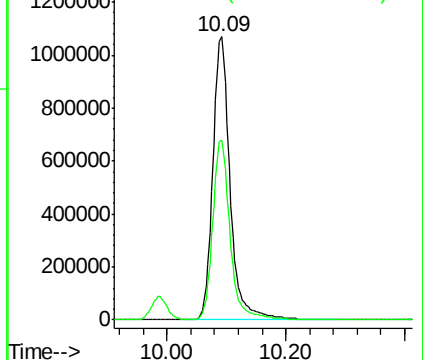
Ion Ratio Lower Upper

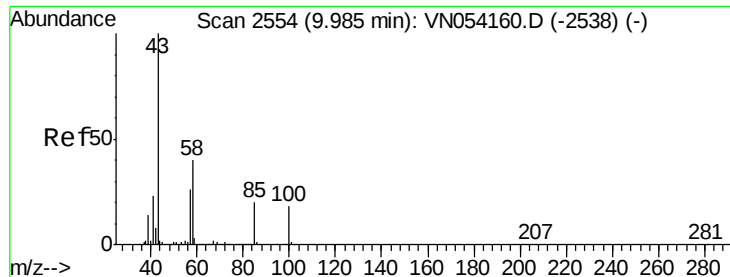
98 100

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

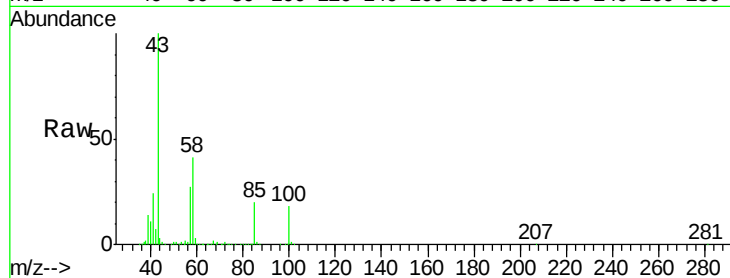
ClientSampled :

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): VN054401.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN054401.D (-2538) (-)

9.99

500000

400000

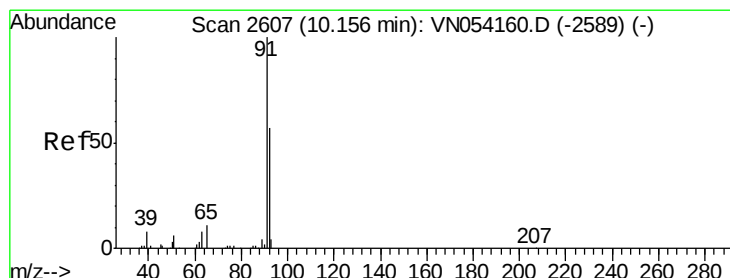
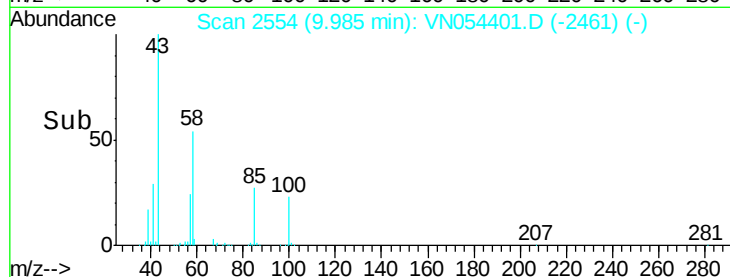
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.641 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054401.D

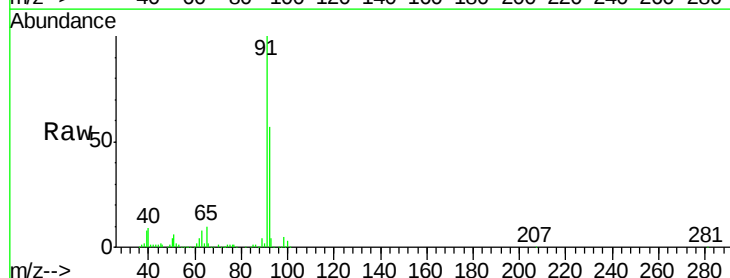
Acq: 18 Mar 2019 18:33

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): VN054401.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054401.D (-2589) (-)

10.16

600000

500000

400000

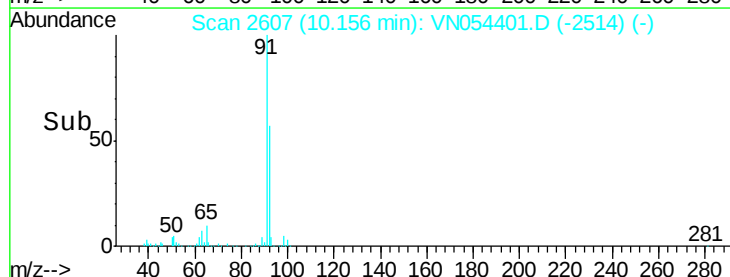
300000

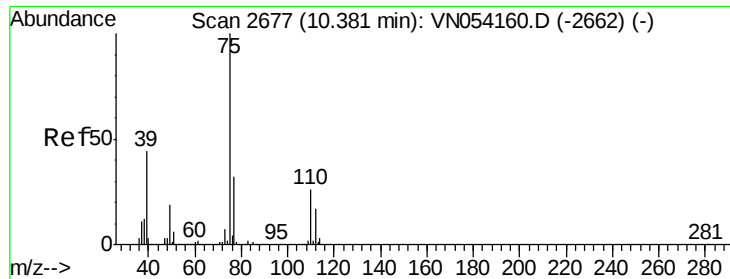
200000

100000

0

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

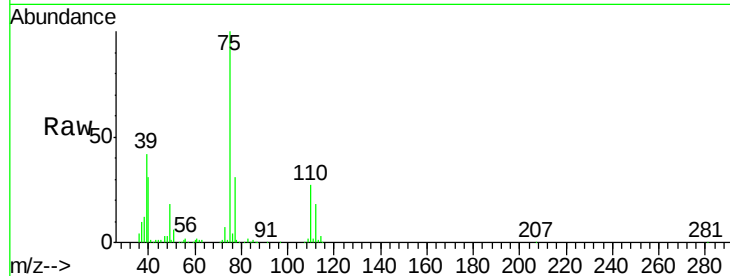
ClientSampleId :

Tot Ion: 75 Resp: 284016

Ion Ratio Lower Upper

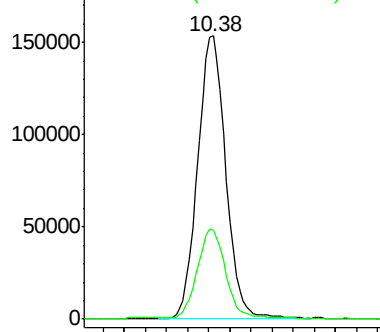
75 100

77 31.1 25.8 38.8

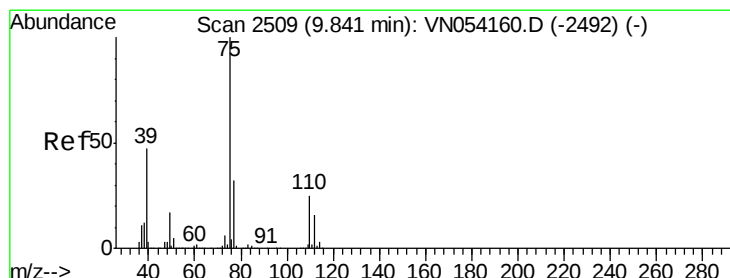
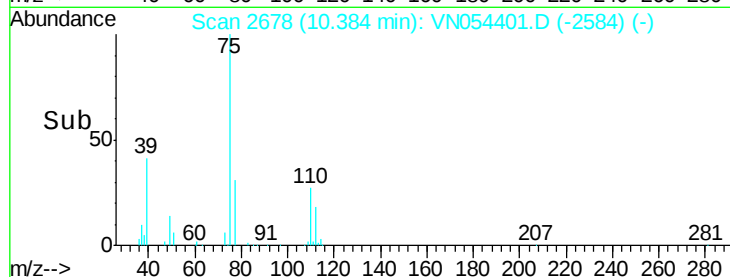


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



Time-->



#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

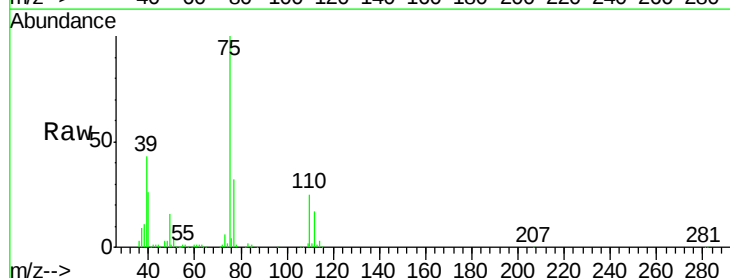
Tgt Ion: 75 Resp: 356404

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

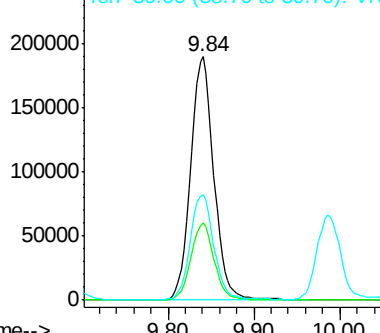
39 43.1 37.2 55.8



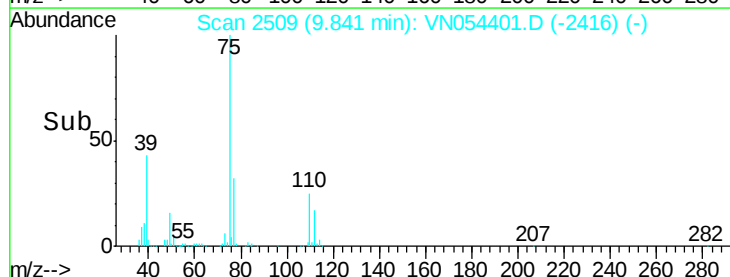
Abundance Ion 74.90 (74.60 to 75.60): VN0

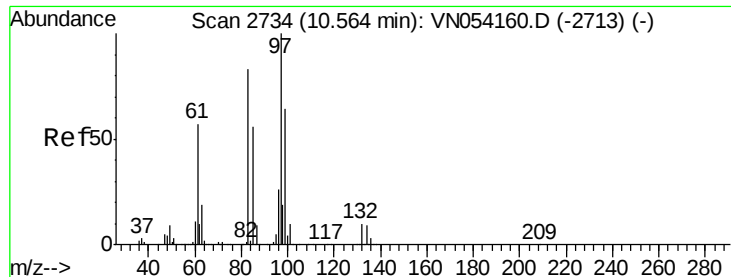
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#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 :

Tot Ion: 97 Resp: 240539

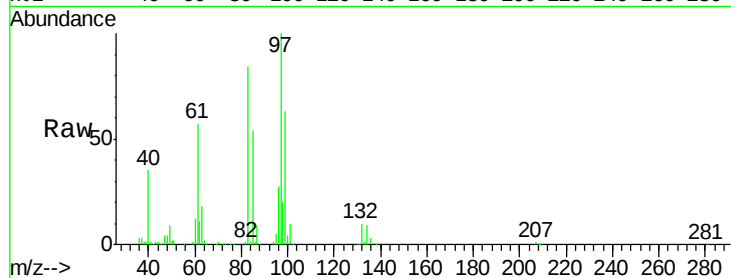
Ion	Ratio	Lower	Upper
97	100		
83	83.7	66.6	100.0
85	53.5	44.4	66.6
99	62.6	50.8	76.2

97 100

83 83.7 66.6 100.0

85 53.5 44.4 66.6

99 62.6 50.8 76.2

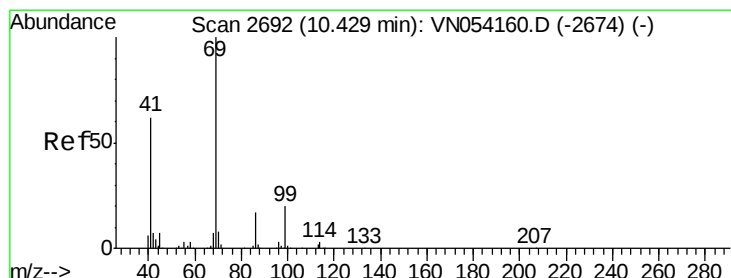
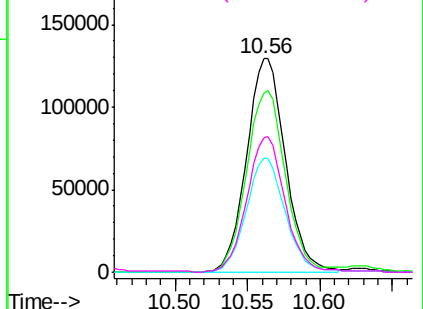
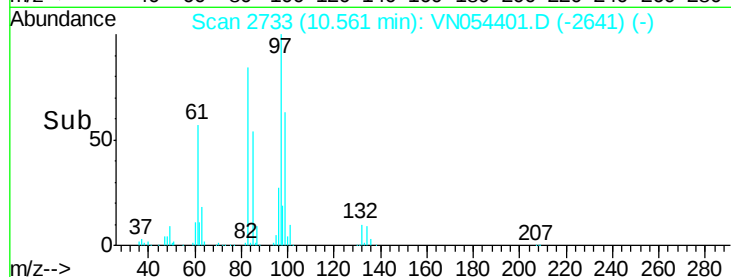


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 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

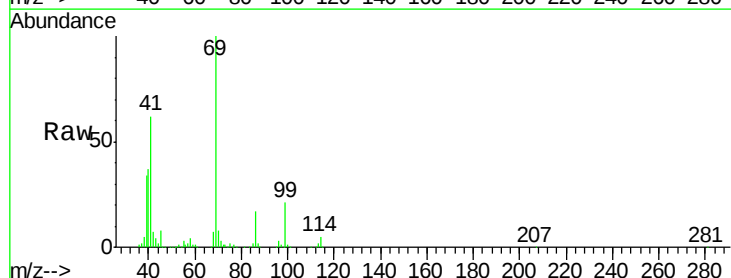
Tgt Ion: 69 Resp: 271005

Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.2
39	32.9	28.3	42.5

69 100

41 60.5 49.4 74.2

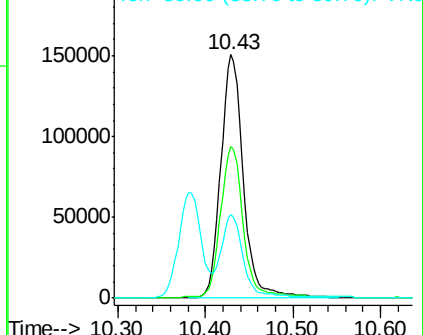
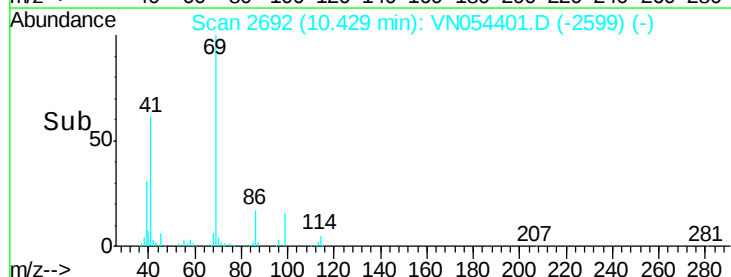
39 32.9 28.3 42.5

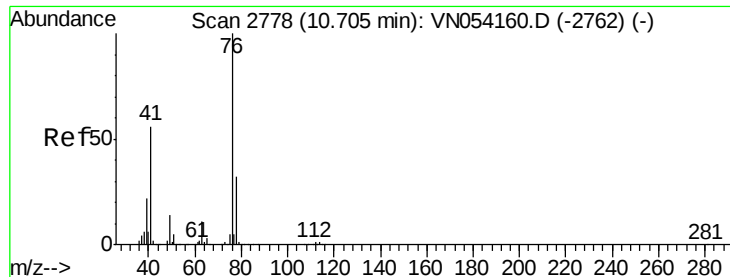


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 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

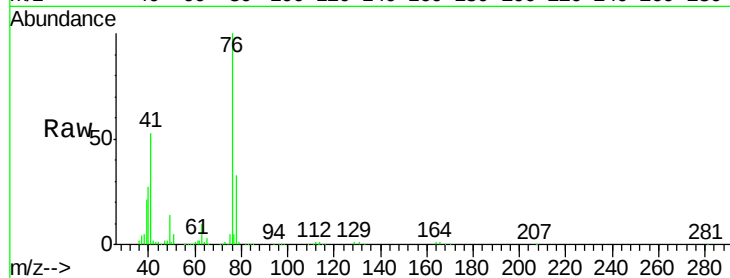
ClientSampleId :

Tot Ion: 76 Resp: 396026

Ion Ratio Lower Upper

76 100

78 32.6 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

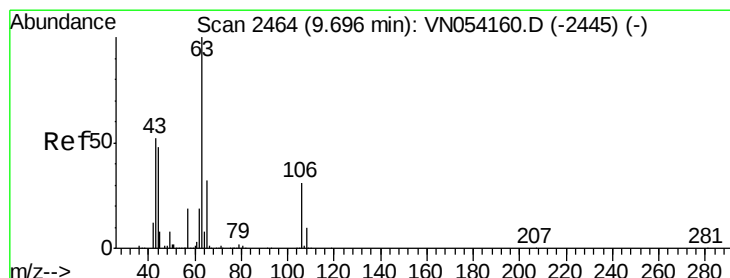
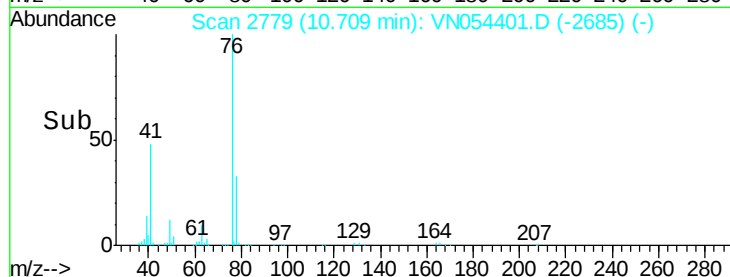
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#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

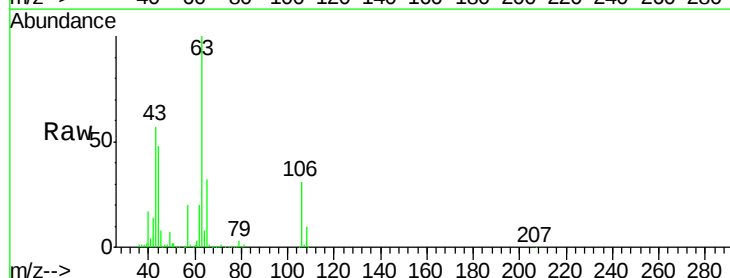
Acq: 18 Mar 2019 18:33

Tgt Ion: 63 Resp: 497168

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

250000

200000

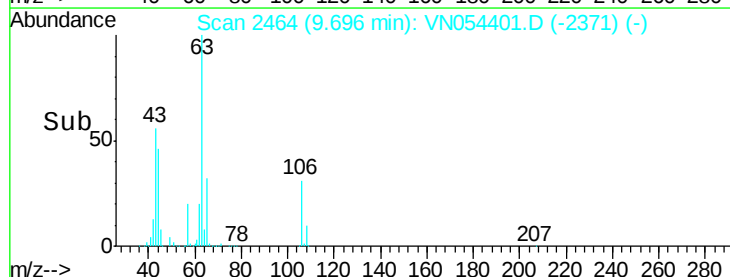
150000

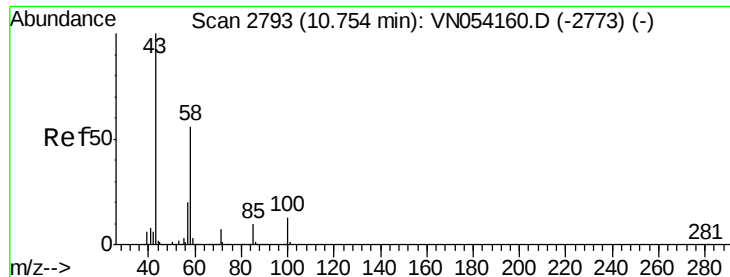
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

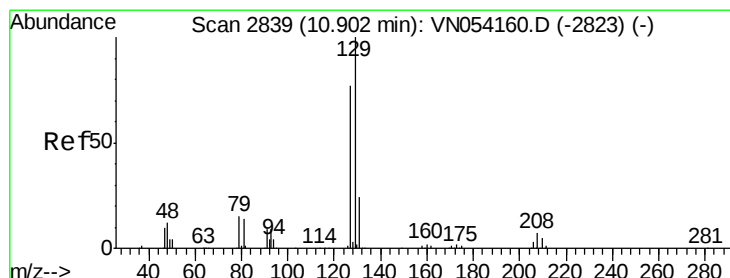
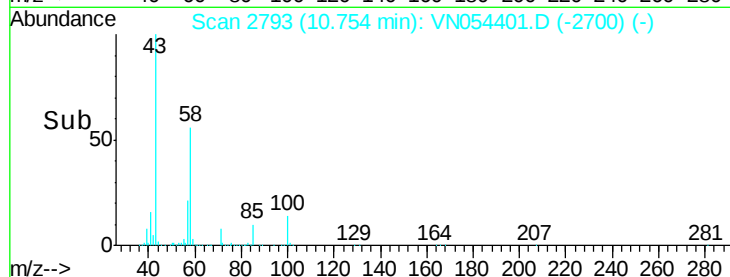
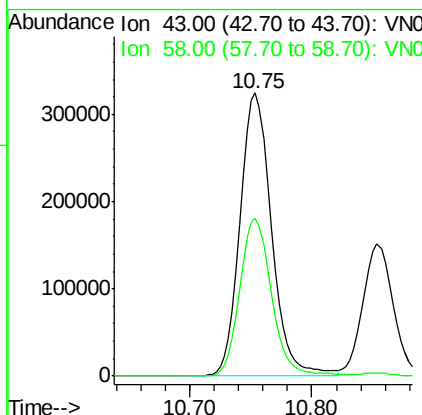
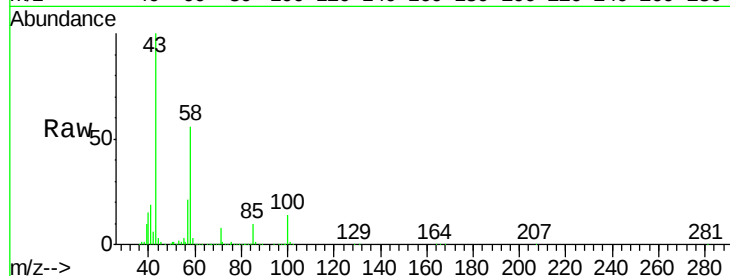




#59
2-Hexanone
Concen: 95.164 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

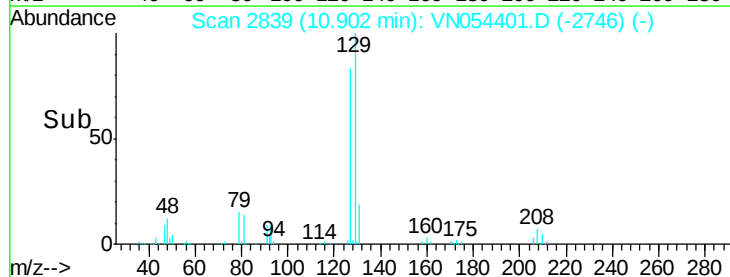
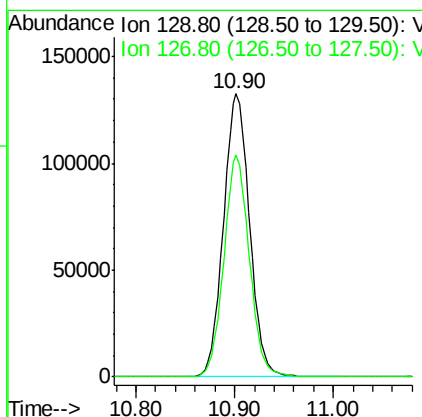
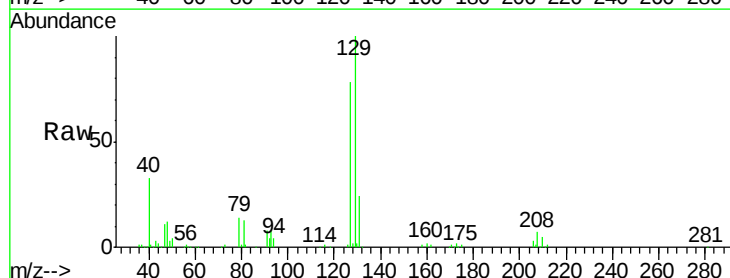
Instrument :
MSVOA_N
ClientSampleId :

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

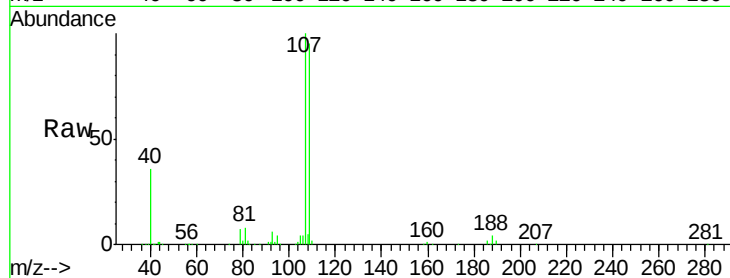
ClientSampleId :

Tot Ion: 107 Resp: 240735

Ion Ratio Lower Upper

107 100

109 94.4 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

150000

100000

50000

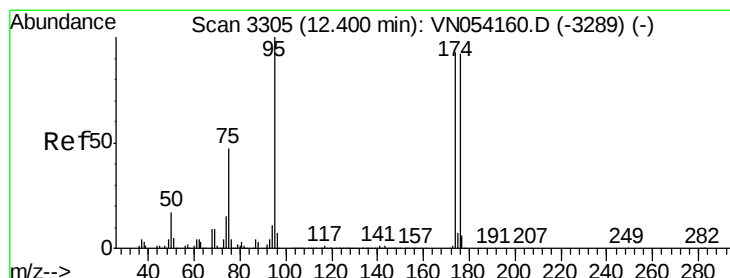
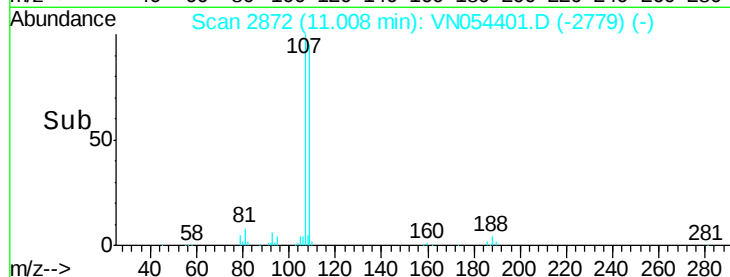
0

Time-->

10.90

11.00

11.10



#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

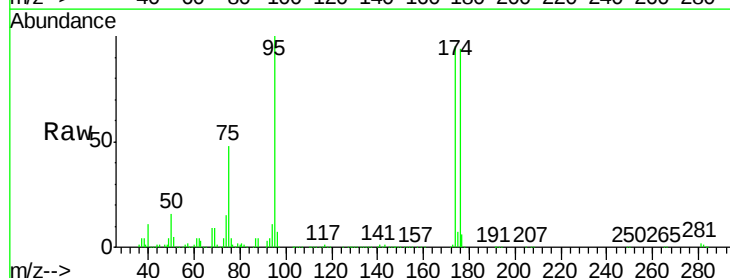
Tgt Ion: 95 Resp: 705163

Ion Ratio Lower Upper

95 100

174 97.1 0.0 191.0

176 94.6 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

300000

200000

100000

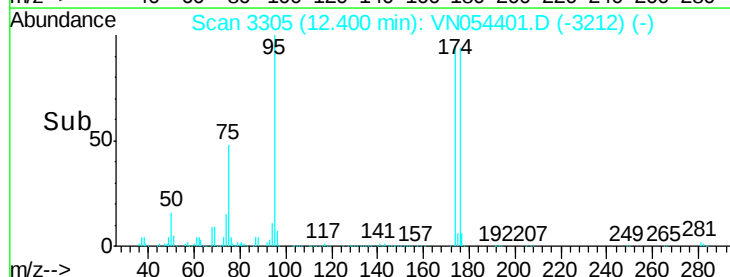
0

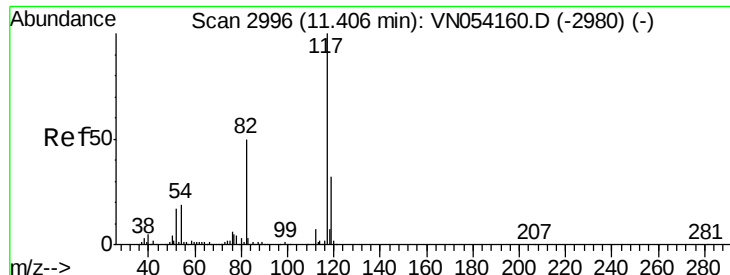
Time-->

12.30

12.40

12.50

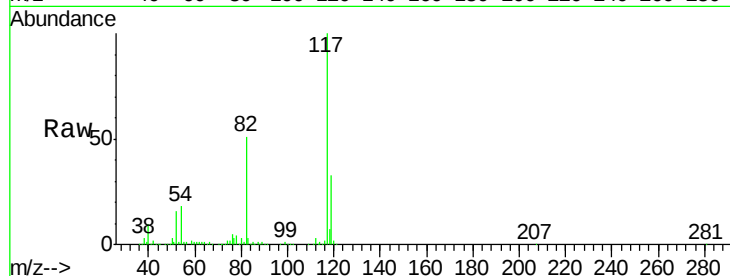




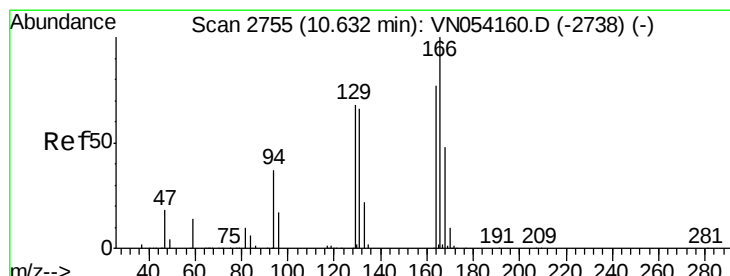
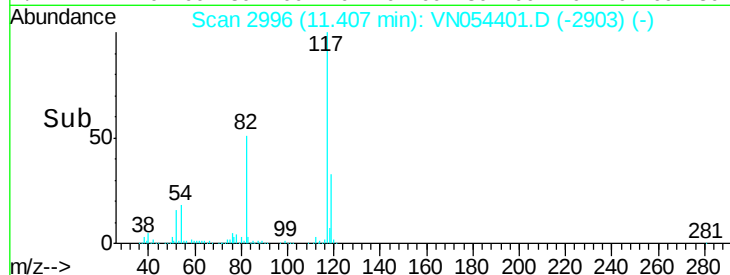
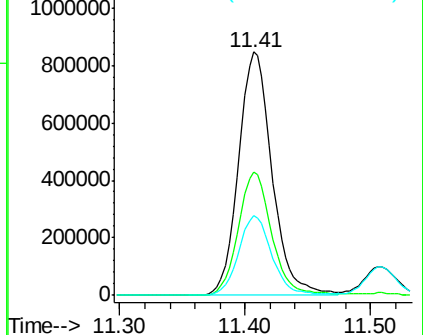
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

Instrument :
MSVOA_N
ClientSampled :

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

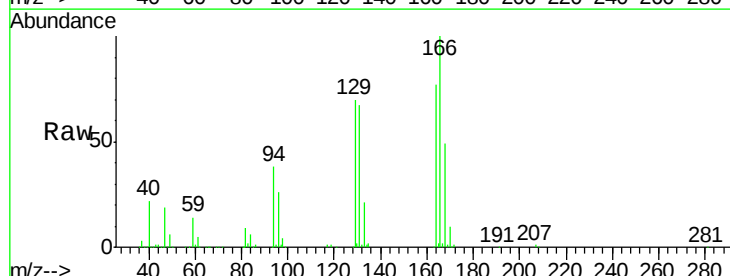


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

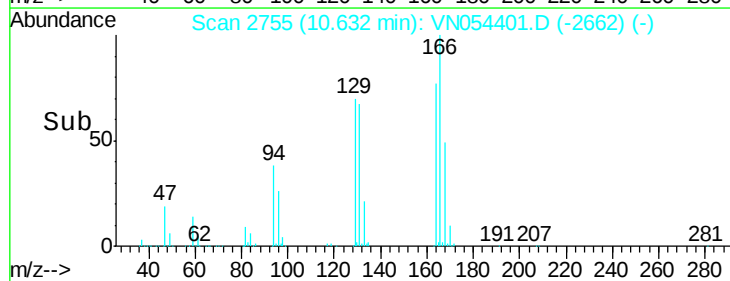
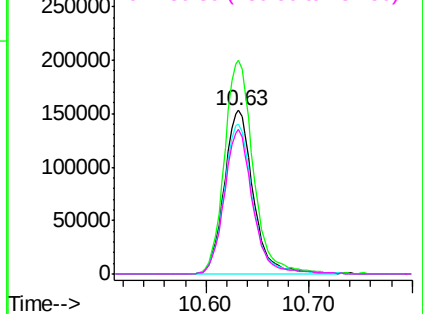


#64
Tetrachloroethene
Concen: 19.594 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

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



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

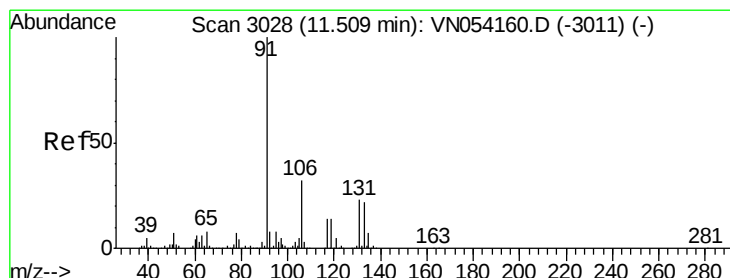
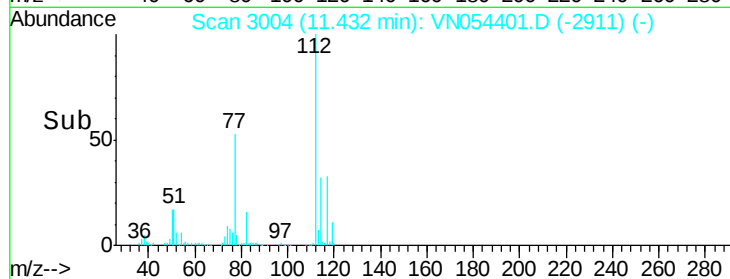
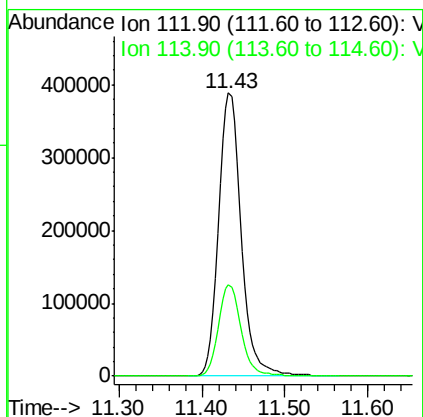
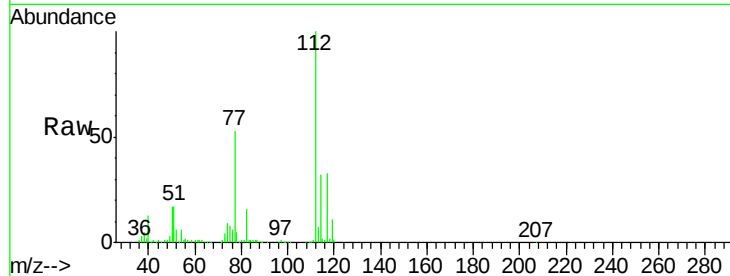




#65
Chlorobenzene
Concen: 21.172 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

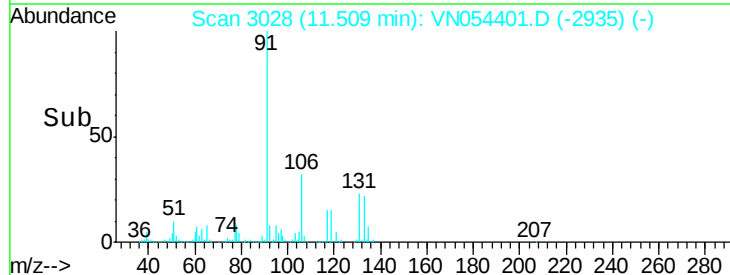
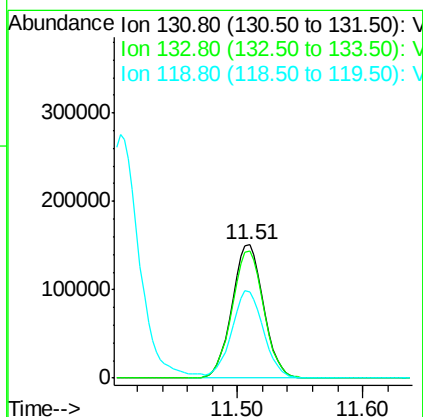
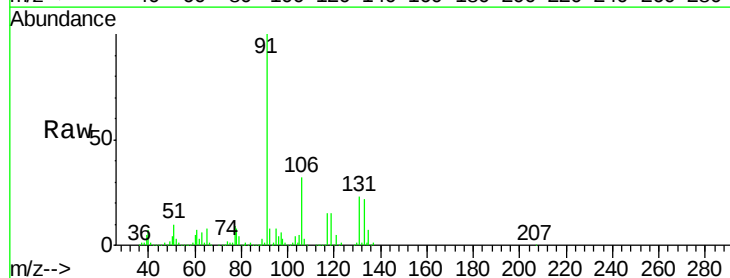
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 732770
Ion Ratio Lower Upper
112 100
114 32.4 25.9 38.9



#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





#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

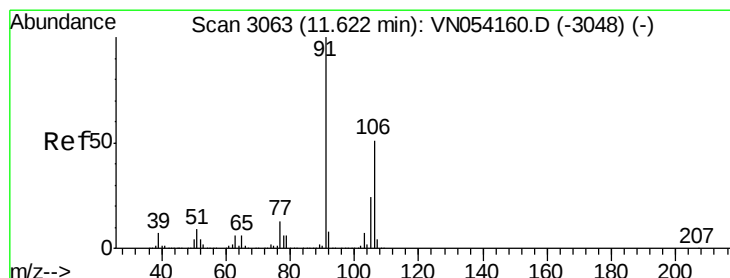
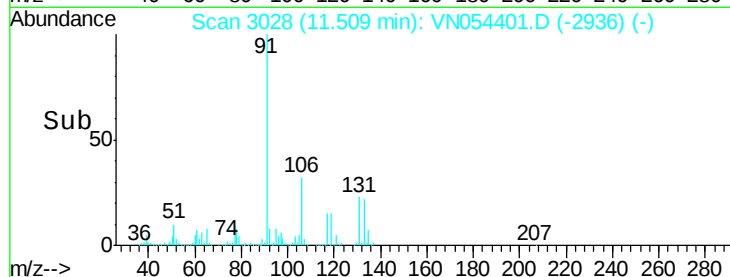
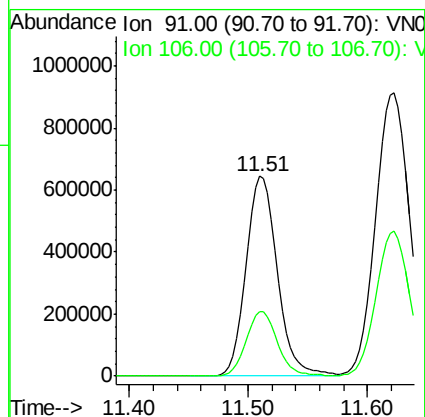
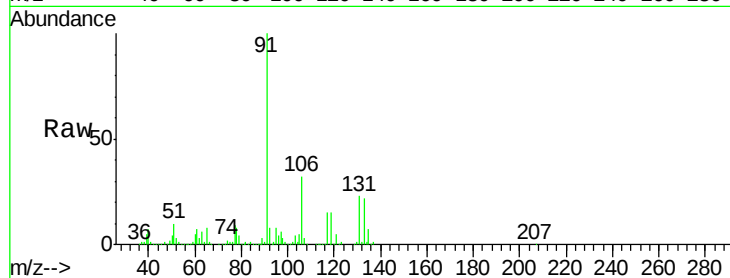
ClientSampled :

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

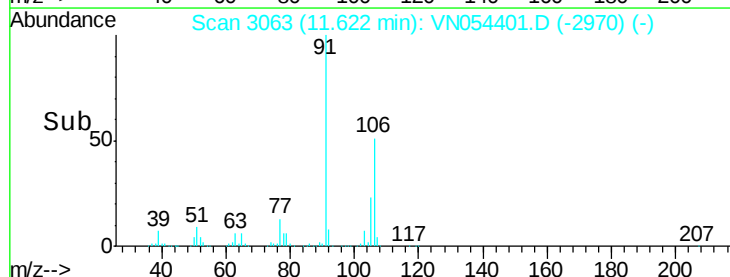
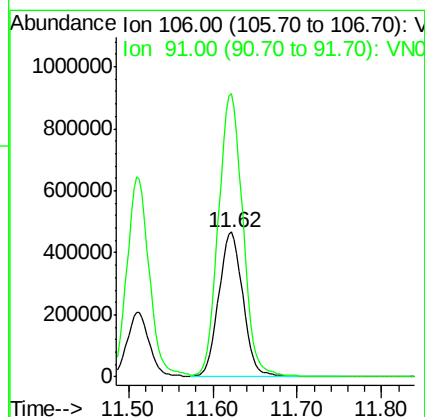
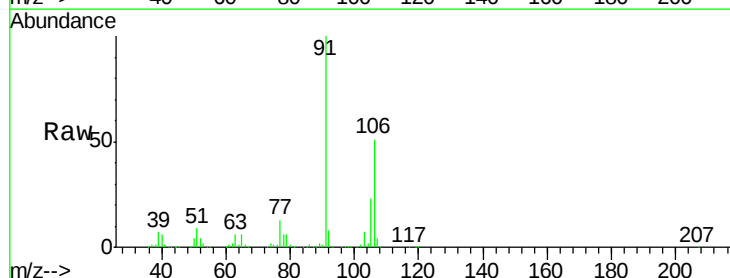
Acq: 18 Mar 2019 18:33

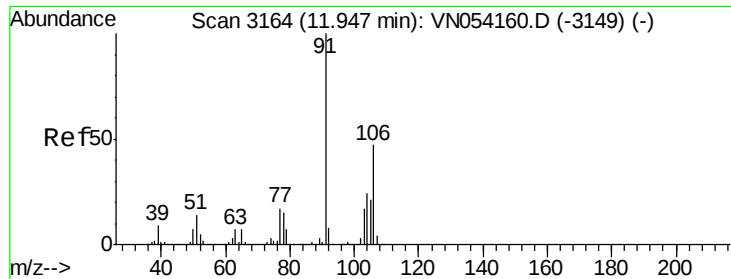
Tgt Ion: 106 Resp: 935594

Ion Ratio Lower Upper

106 100

91 196.9 159.4 239.2

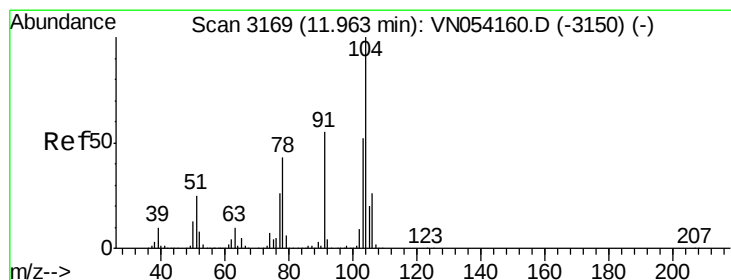
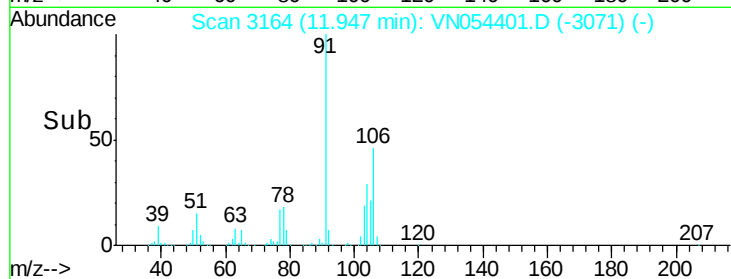
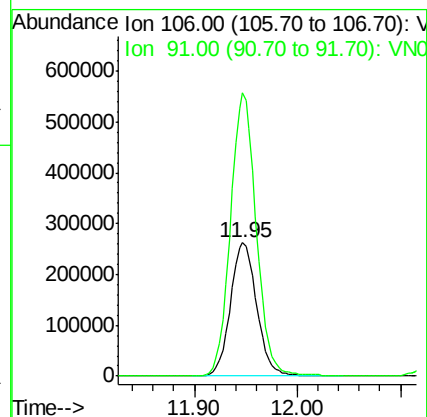
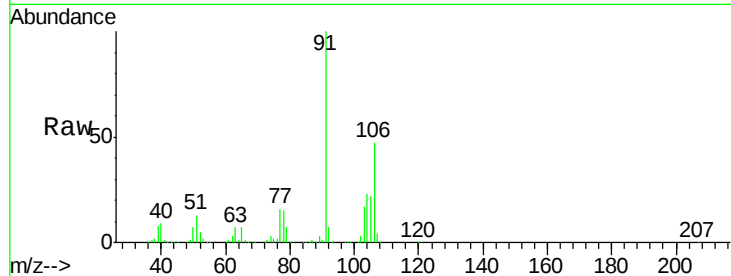




#69
o-Xylene
Concen: 21.317 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

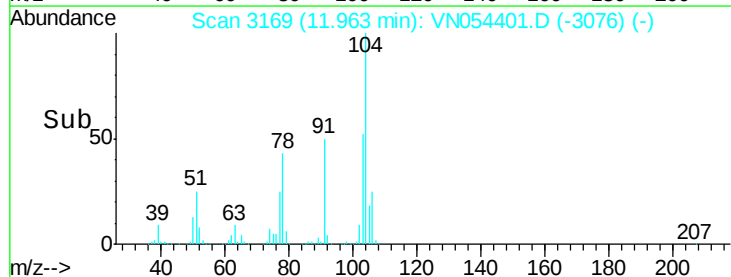
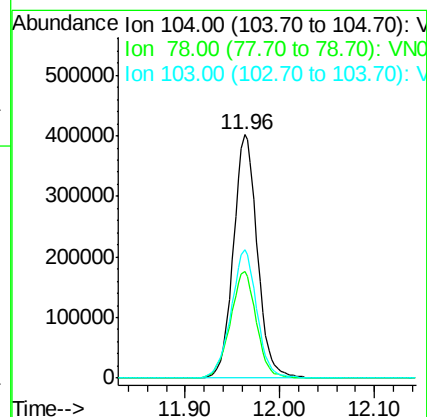
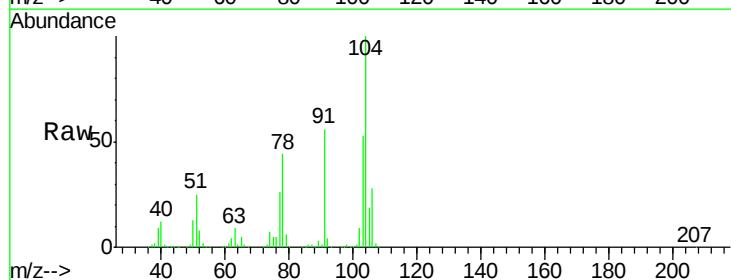
Instrument :
MSVOA_N
ClientSampled :

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

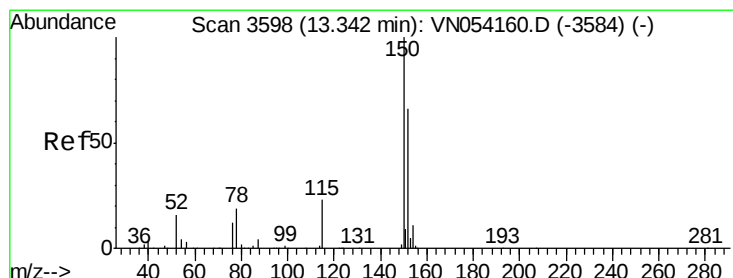
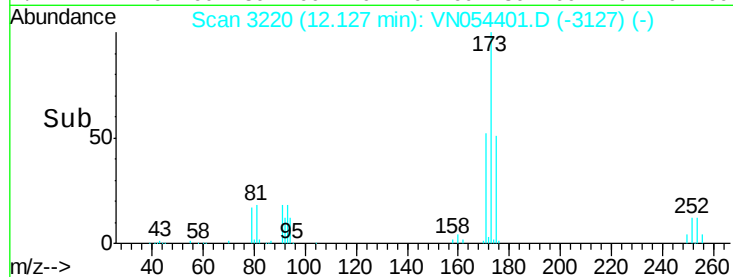
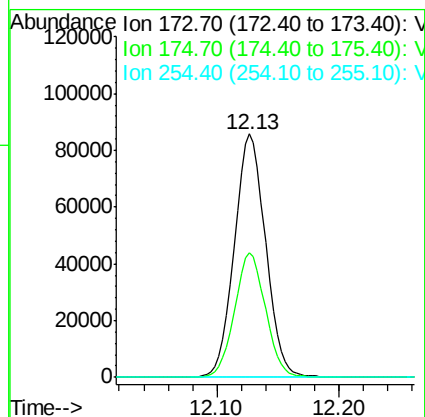
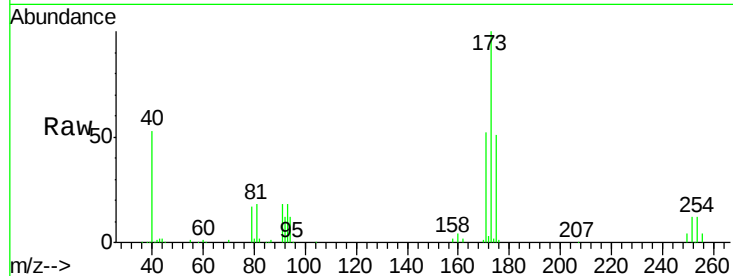




#71
Bromoform
Concen: 17.514 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054401.D
Acq: 18 Mar 2019 18:33

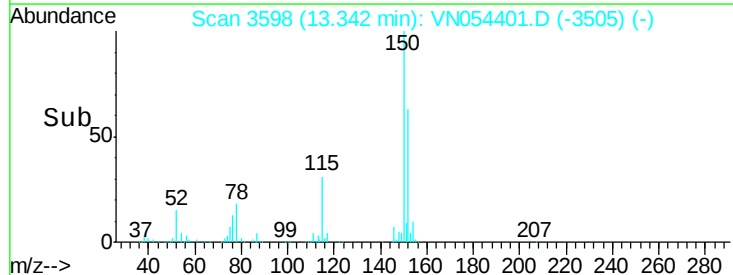
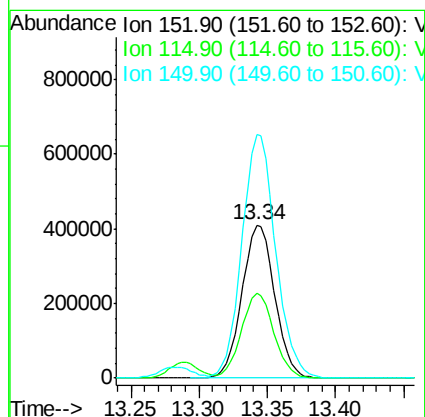
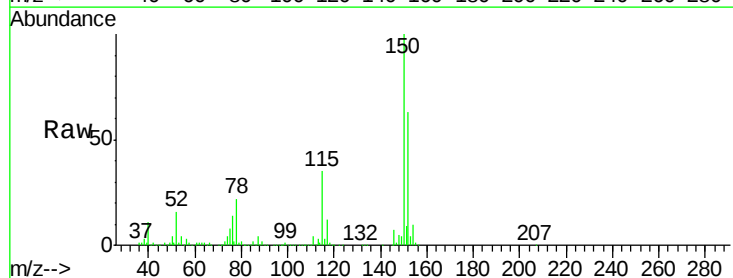
Instrument :
MSVOA_N
ClientSampled :

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

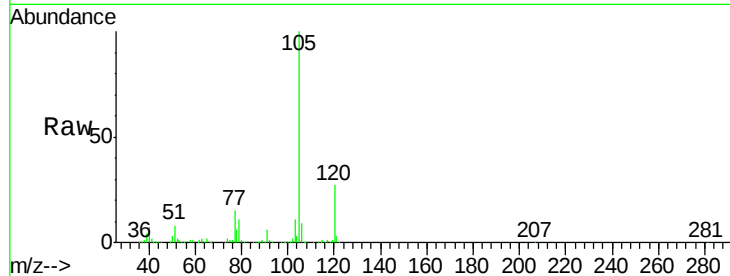
ClientSampled :

Tot Ion:105 Resp: 1198091

Ion Ratio Lower Upper

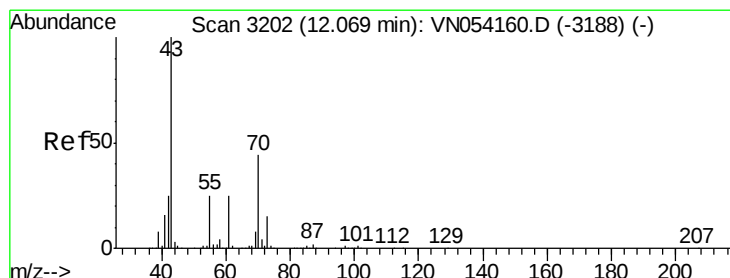
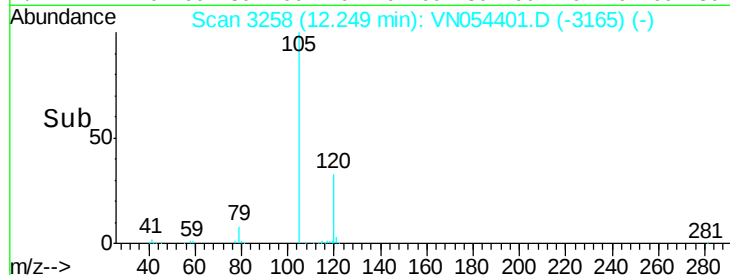
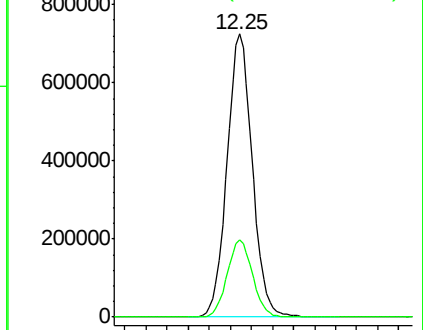
105 100

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

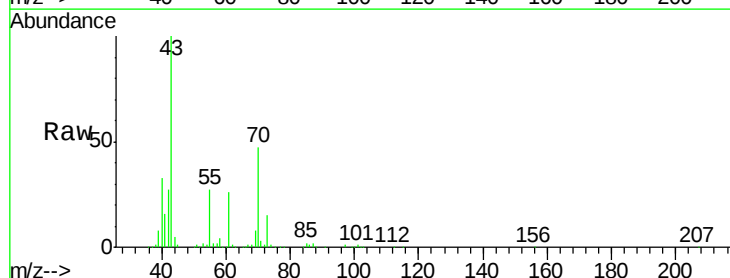
Ion Ratio Lower Upper

43 100

70 47.4 35.4 53.0

55 27.4 19.8 29.6

61 26.4 19.8 29.6

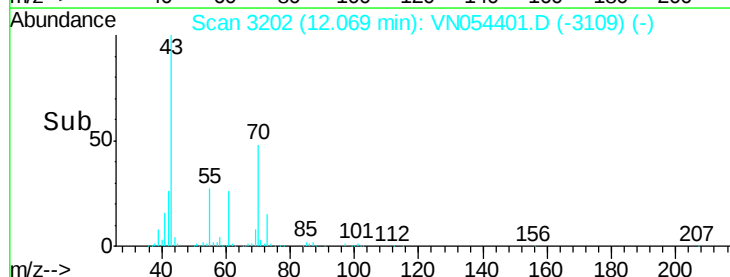
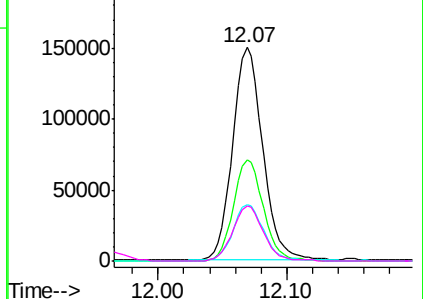


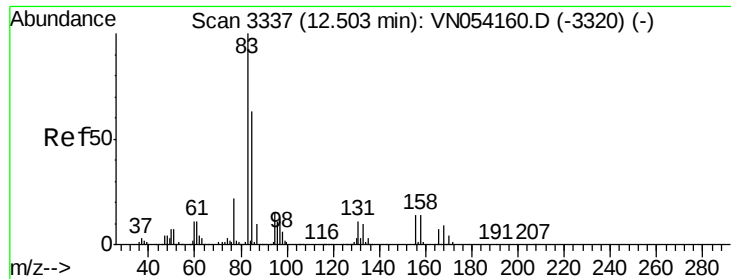
Abundance Ion 43.00 (42.70 to 43.70): V

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 :

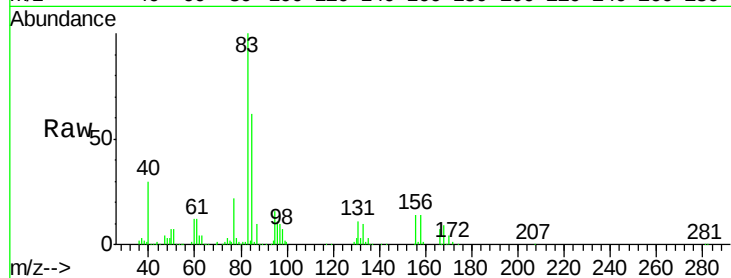
Tot Ion: 83 Resp: 281469

Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.8	17.4
85	62.7	32.2	96.6

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): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

200000

150000

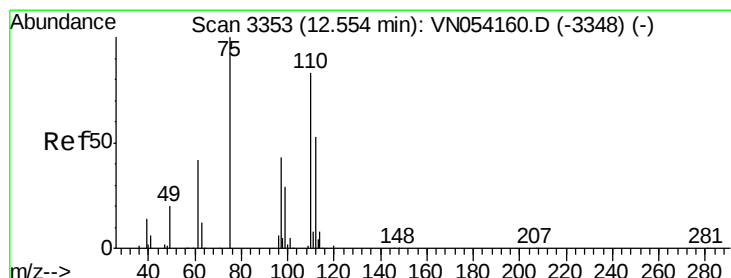
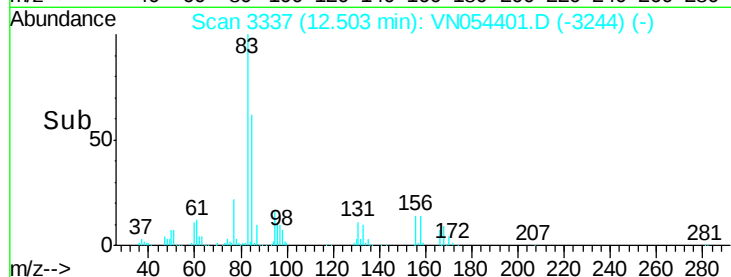
100000

50000

0

12.40 12.50 12.60

Time-->



#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

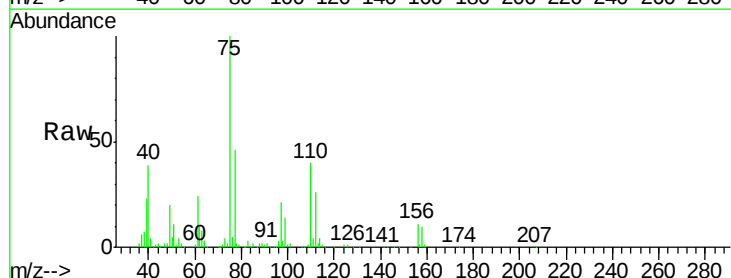
Acq: 18 Mar 2019 18:33

Tgt Ion: 75 Resp: 304174

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

250000

200000

150000

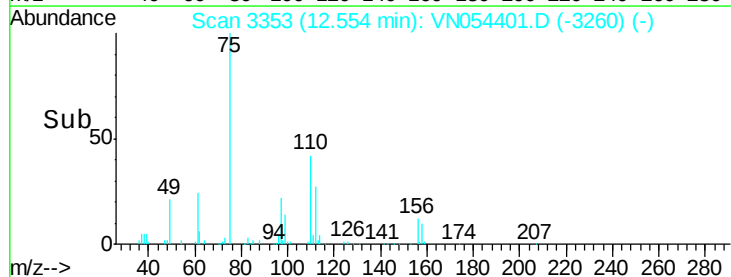
100000

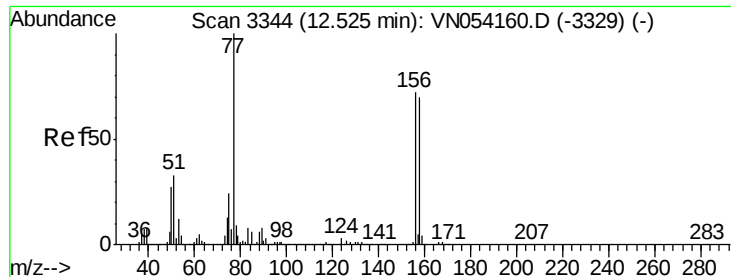
50000

0

12.50 12.55 12.60

Time-->





#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 :

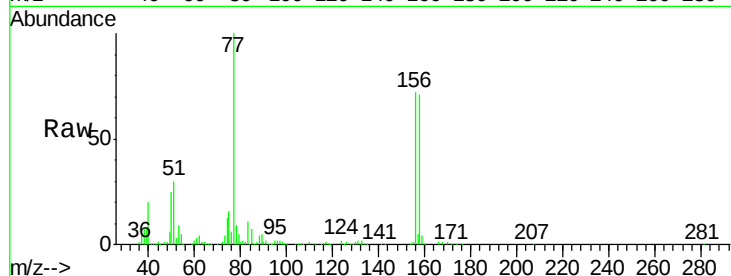
Tot Ion:156 Resp: 316667

Ion Ratio Lower Upper

156 100

77 162.4 81.5 244.4

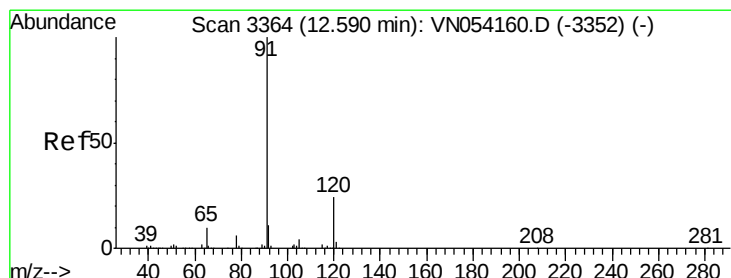
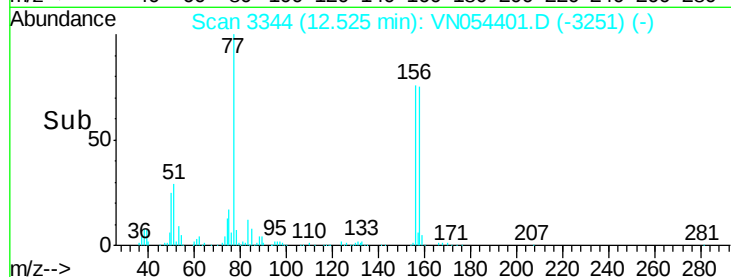
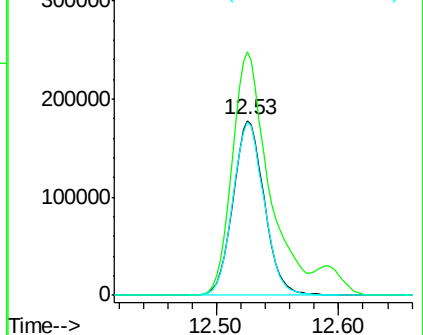
158 98.9 49.0 147.2



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

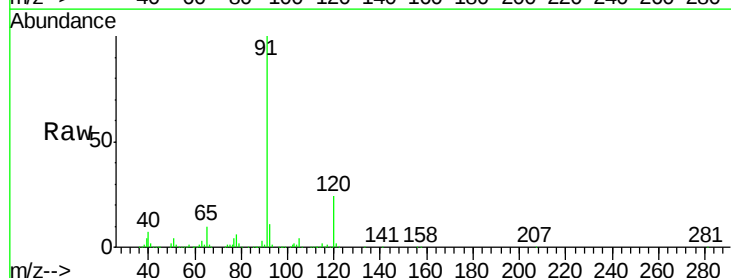
Acq: 18 Mar 2019 18:33

Tgt Ion: 91 Resp: 1246532

Ion Ratio Lower Upper

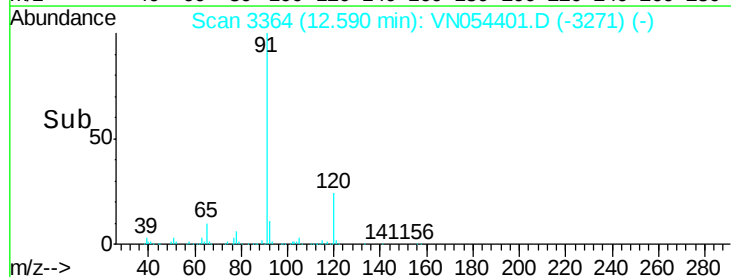
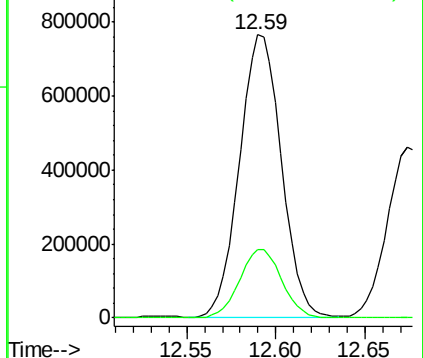
91 100

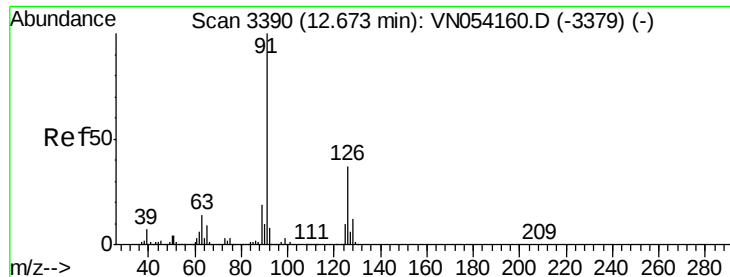
120 24.5 12.3 36.9



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

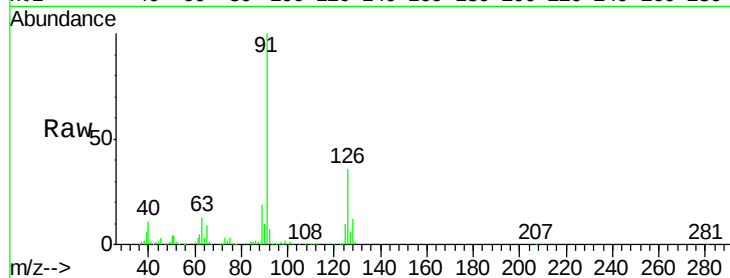
ClientSampleId :

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) (-)

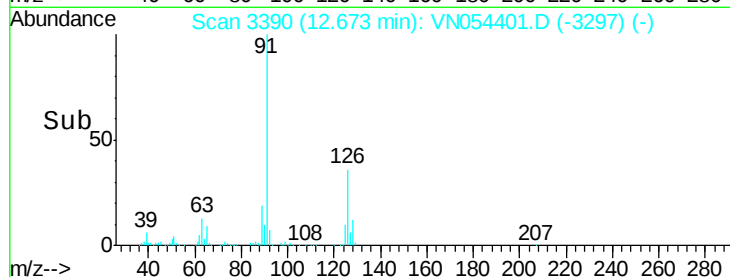
600000

400000

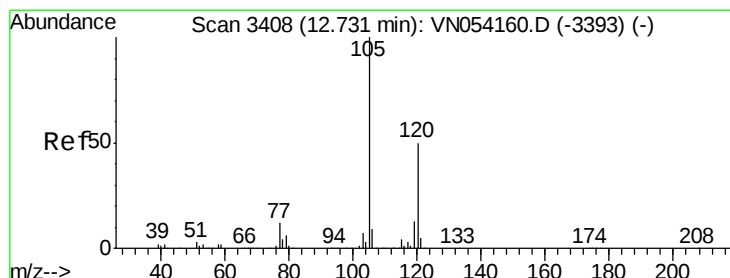
200000

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

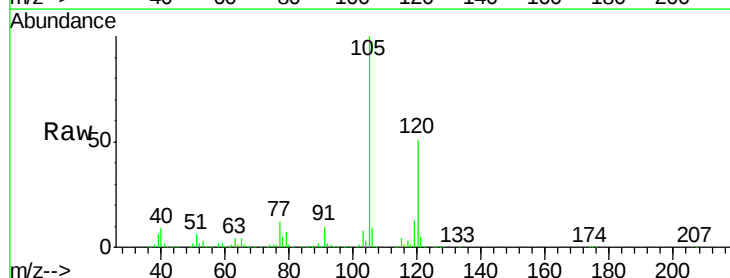
Acq: 18 Mar 2019 18:33

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) (-)

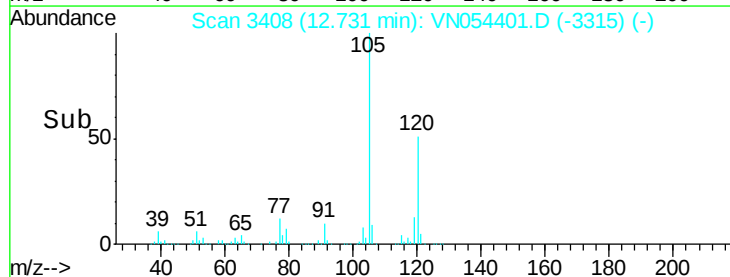
600000

400000

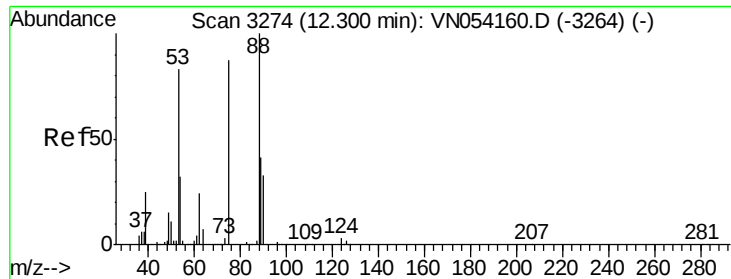
200000

0

12.70 12.80



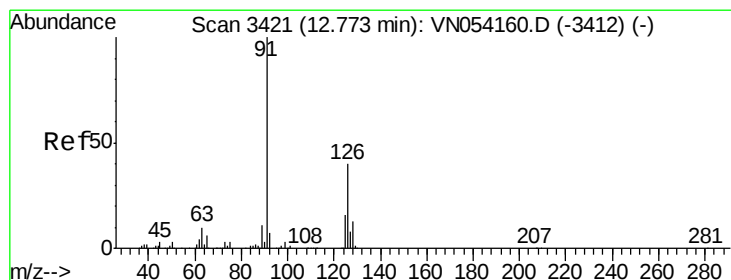
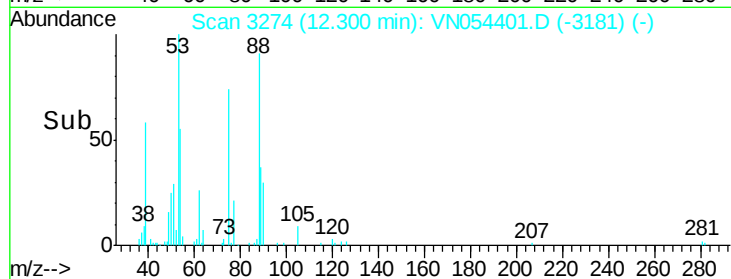
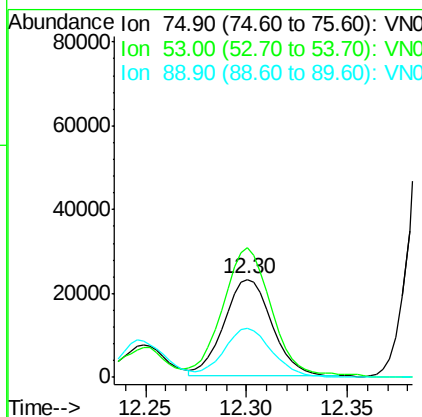
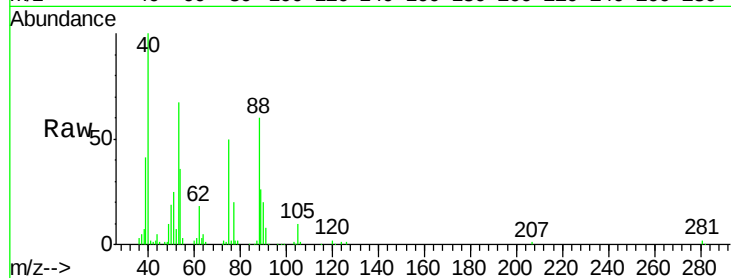
Time-->



#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

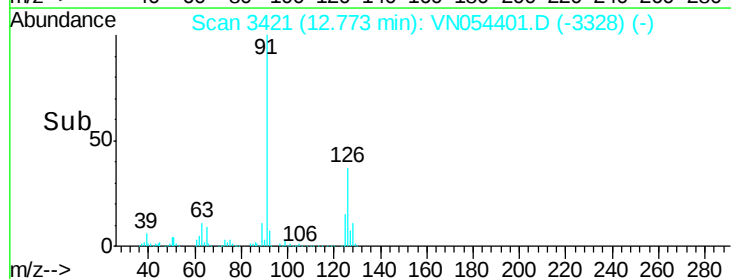
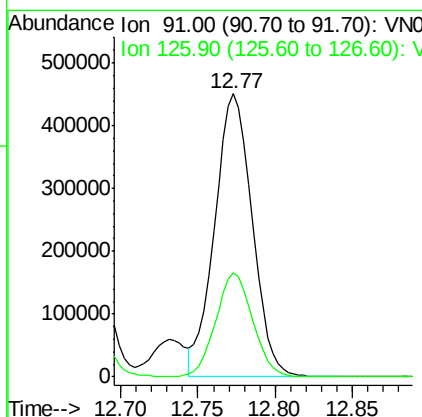
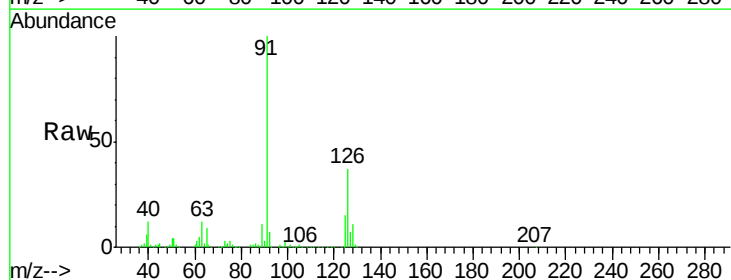
Instrument :
MSVOA_N
ClientSampleId :

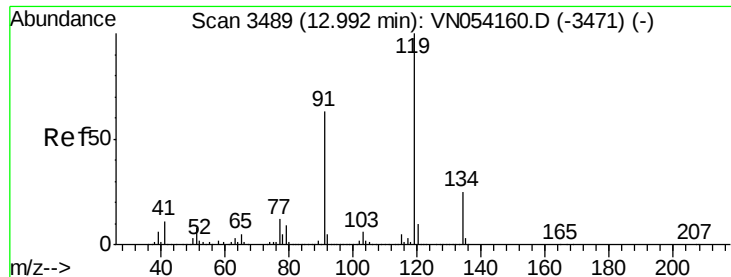
Tot Ion: 75 Resp: 38500
Ion Ratio Lower Upper
75 100
53 136.6 76.2 114.2#
89 51.2 39.2 58.8



#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

ClientSampleId :

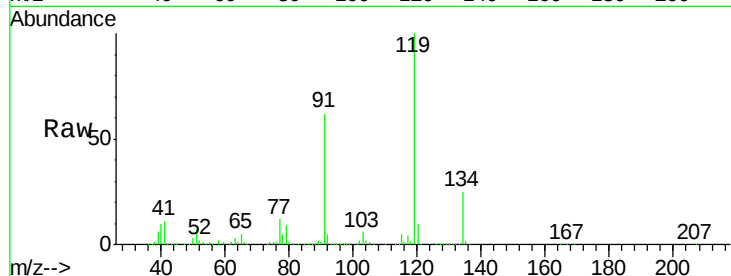
Tot Ion:119 Resp: 873585

Ion Ratio Lower Upper

119 100

91 61.2 30.9 92.8

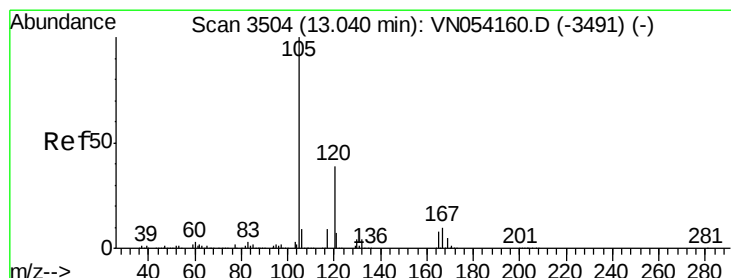
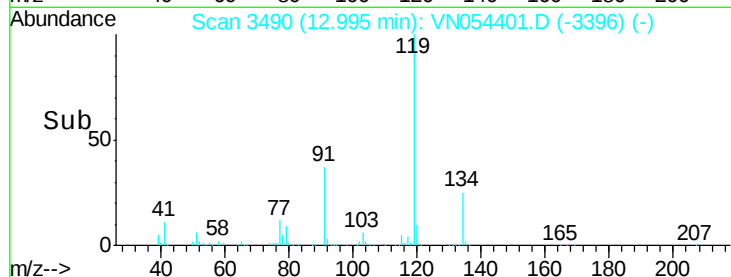
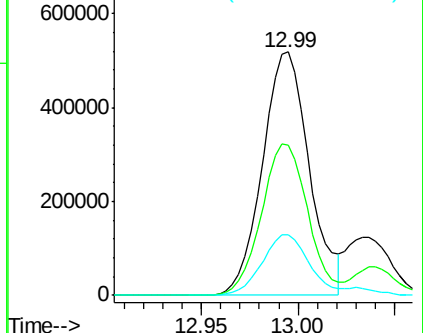
134 25.0 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#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

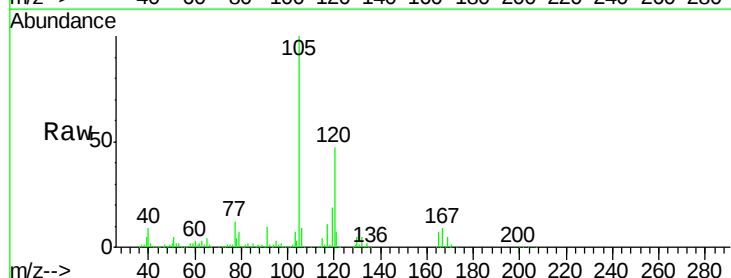
Acq: 18 Mar 2019 18:33

Tgt Ion:105 Resp: 967864

Ion Ratio Lower Upper

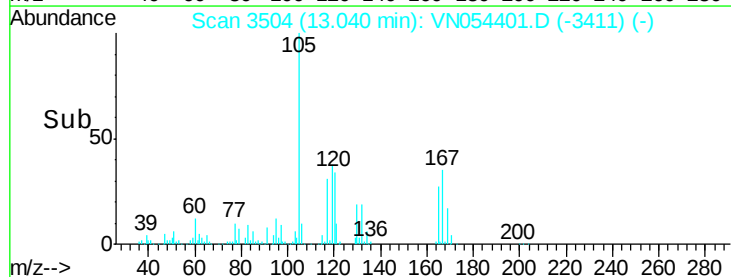
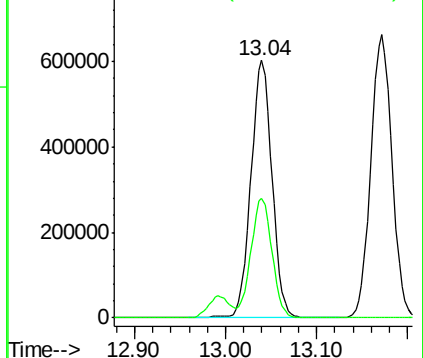
105 100

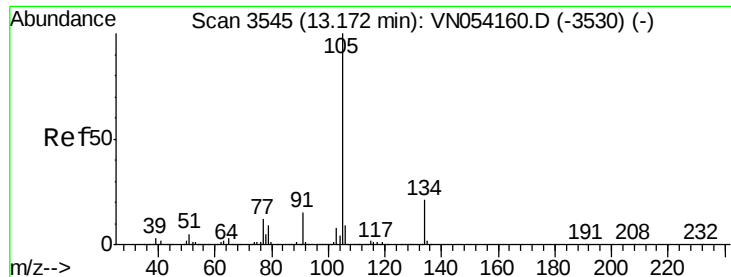
120 46.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

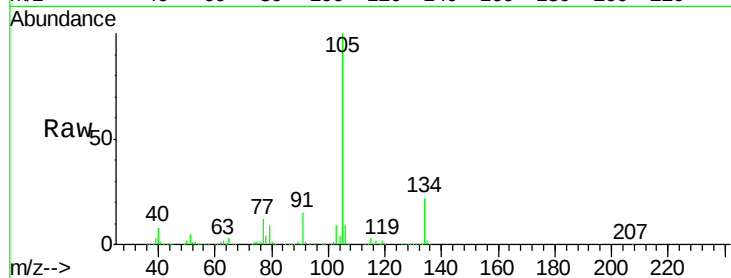
ClientSampled :

Tot Ion:105 Resp: 1067384

Ion Ratio Lower Upper

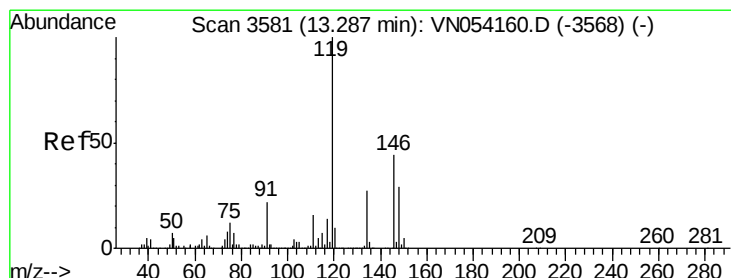
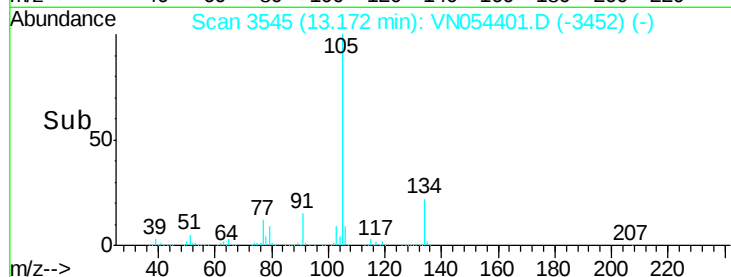
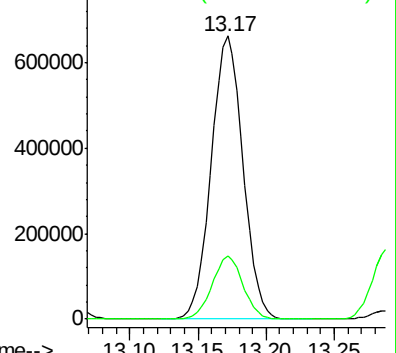
105 100

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

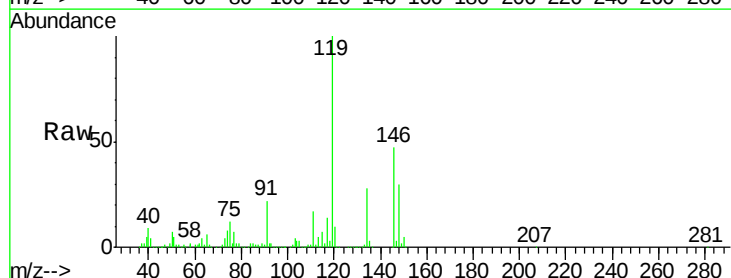
Tgt Ion:119 Resp: 920889

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

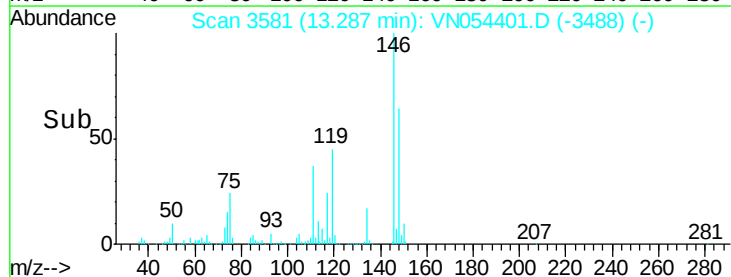
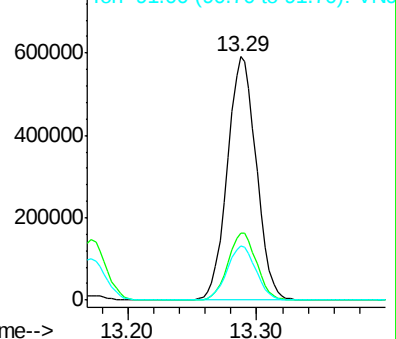
91 22.2 11.1 33.3

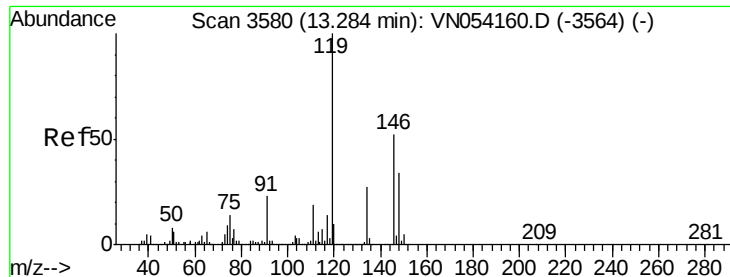


Abundance Ion 119.00 (118.70 to 119.70): V

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 :

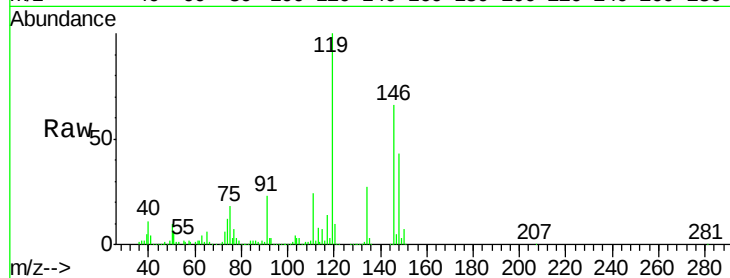
Tot Ion:146 Resp: 513130

Ion Ratio Lower Upper

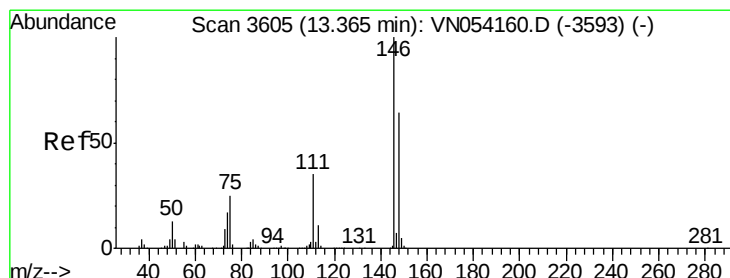
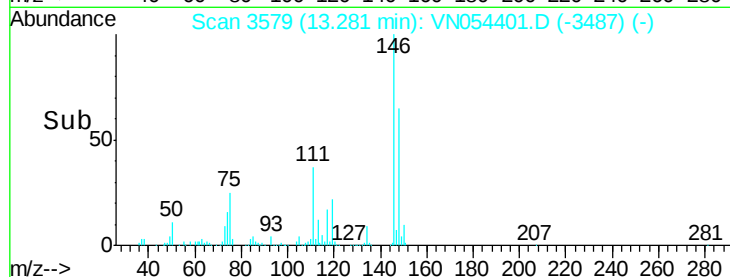
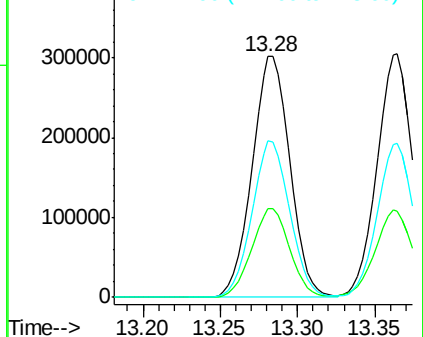
146 100

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

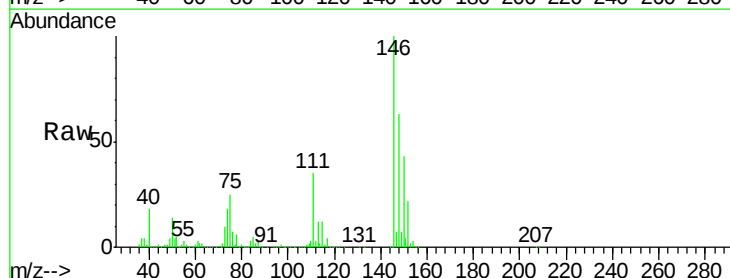
Tgt Ion:146 Resp: 496832

Ion Ratio Lower Upper

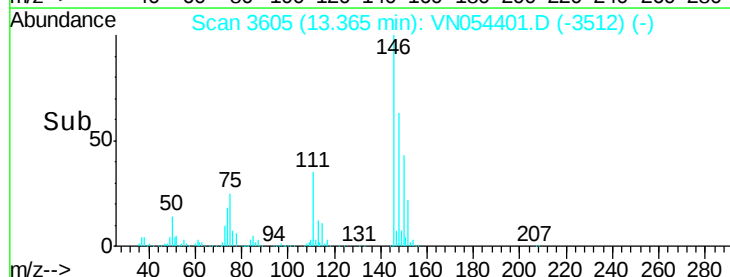
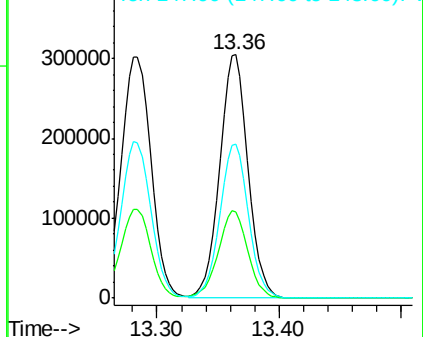
146 100

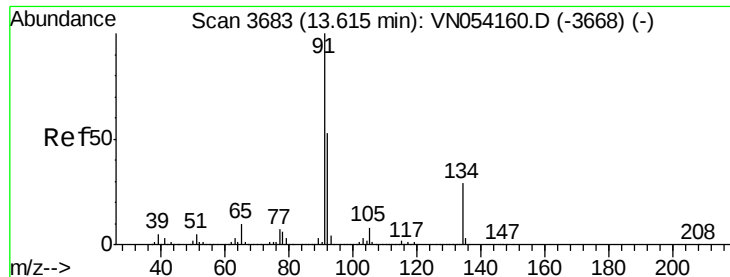
111 37.3 18.1 54.1

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

ClientSampleId :

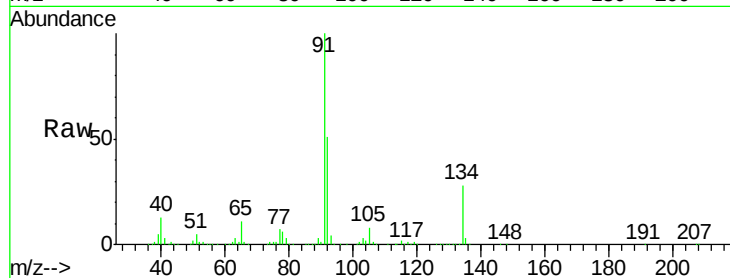
Tot Ion: 91 Resp: 635153

Ion Ratio Lower Upper

91 100

92 51.9 26.2 78.6

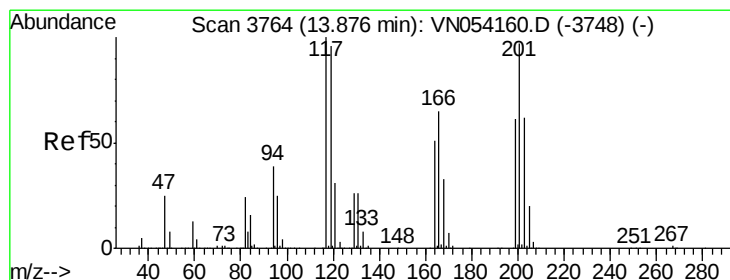
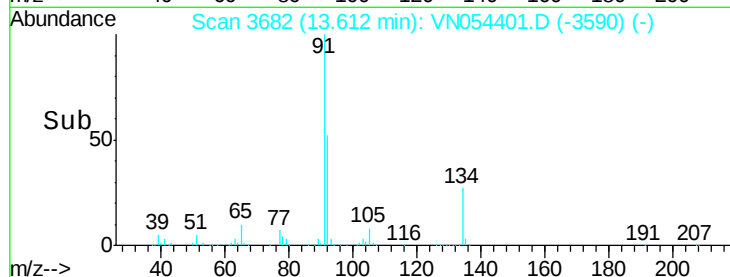
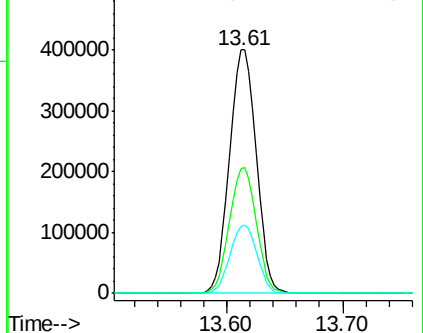
134 28.2 14.3 42.9



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

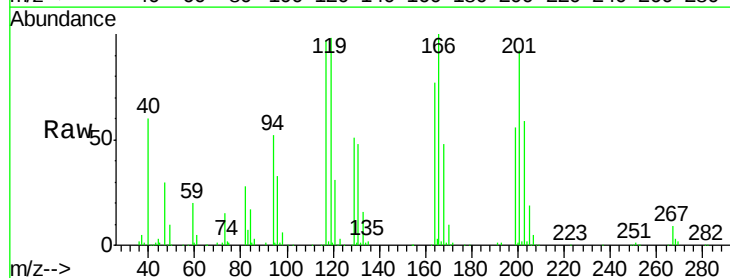
Acq: 18 Mar 2019 18:33

Tgt Ion: 117 Resp: 134842

Ion Ratio Lower Upper

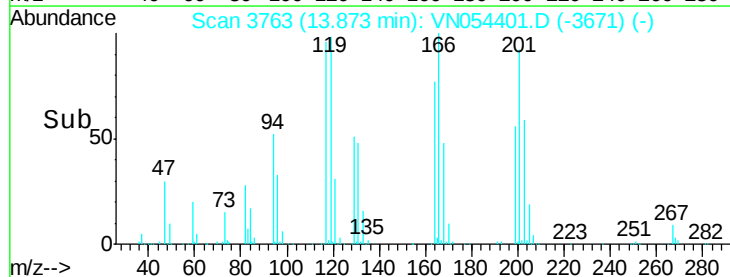
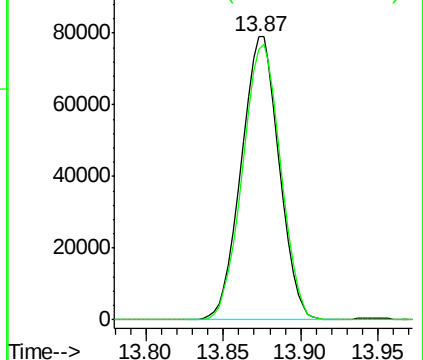
117 100

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 :

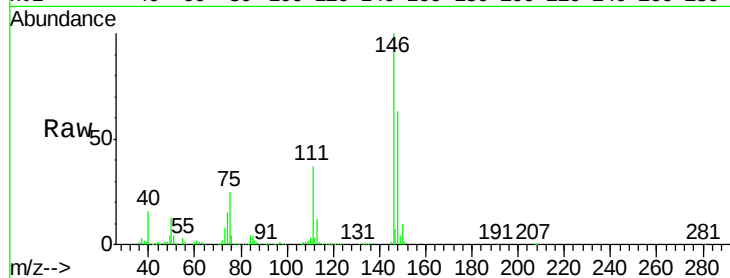
Tot Ion:146 Resp: 527175

Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.3

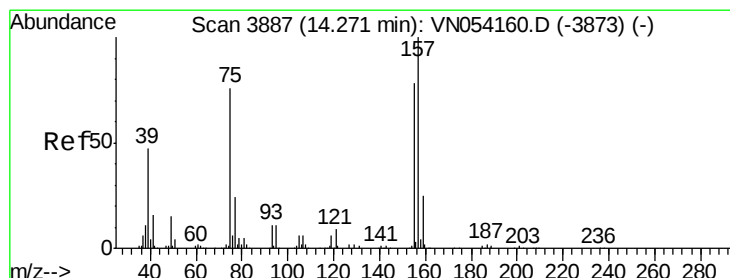
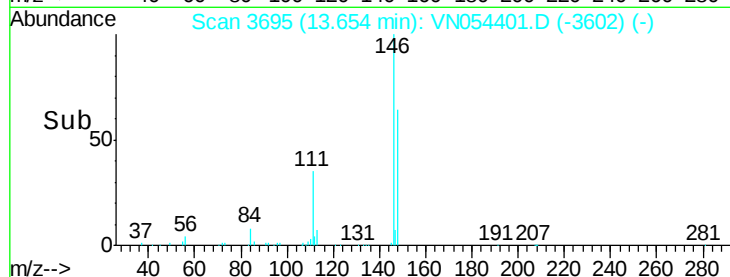
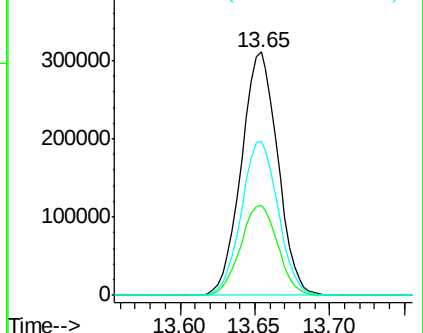
148 63.9 32.4 97.0



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



#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

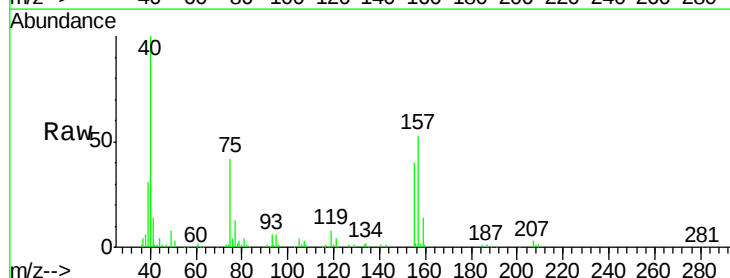
Tgt Ion: 75 Resp: 34991

Ion Ratio Lower Upper

75 100

155 100.8 50.1 150.3

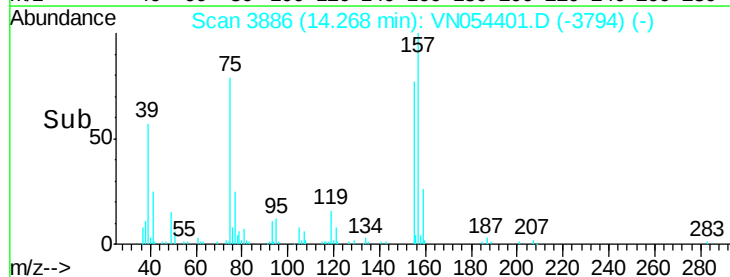
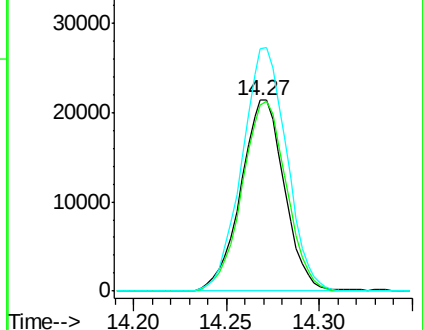
157 130.3 63.1 189.3

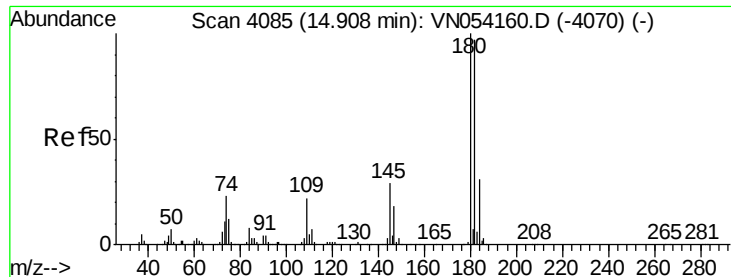


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

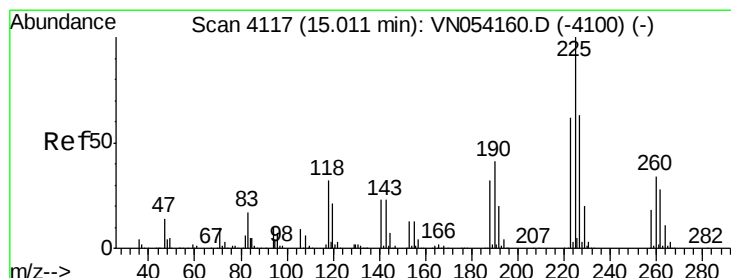
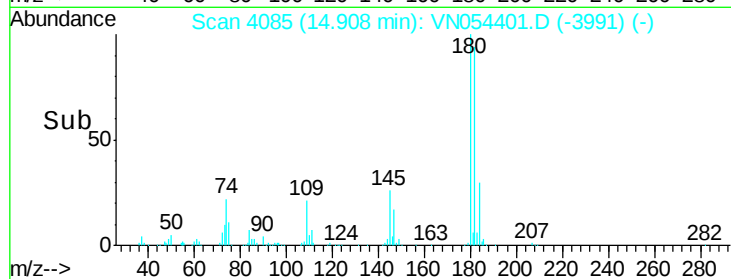
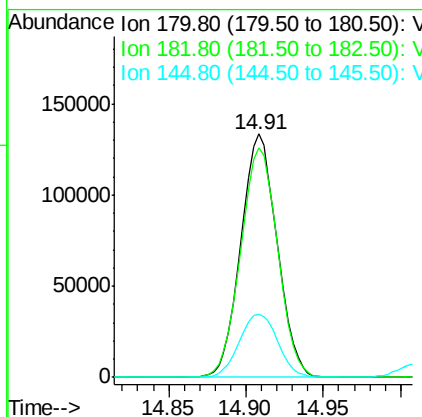
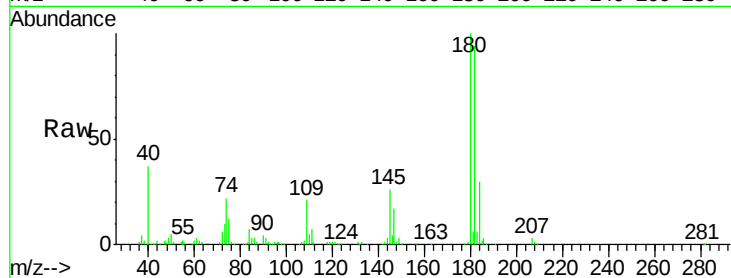




#93
 1,2,4-Trichlorobenzene
 Concen: 16.887 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054401.D
 Acq: 18 Mar 2019 18:33

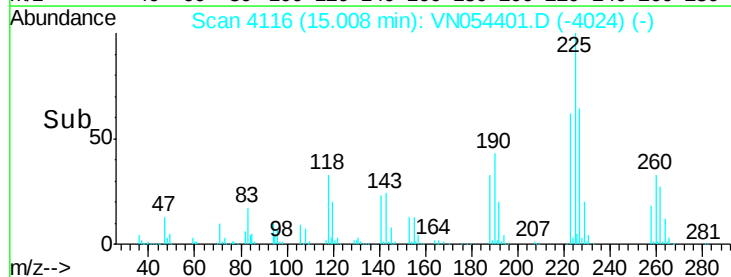
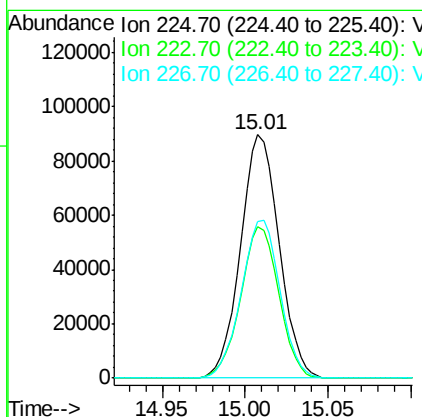
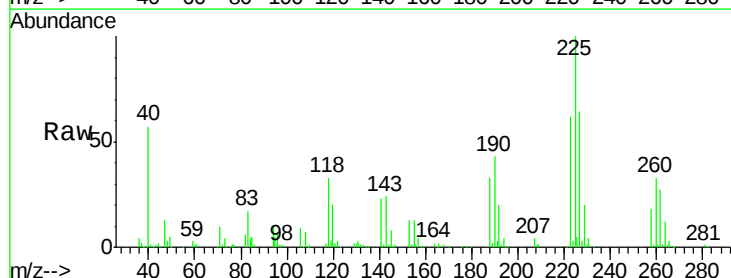
Instrument :
 MSVOA_N
 ClientSampleId :

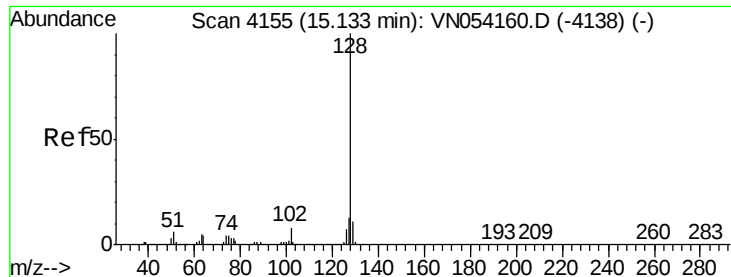
Tot Ion:180 Resp: 217689
 Ion Ratio Lower Upper
 180 100
 182 96.6 48.0 144.2
 145 27.6 14.2 42.8



#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





#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

ClientSampled :

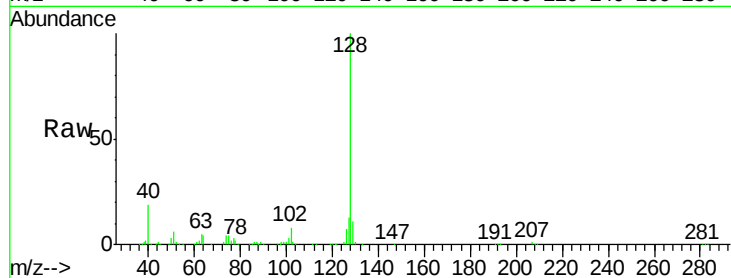
Tot Ion:128 Resp: 477665

Ion Ratio Lower Upper

128 100

127 13.2 10.1 15.1

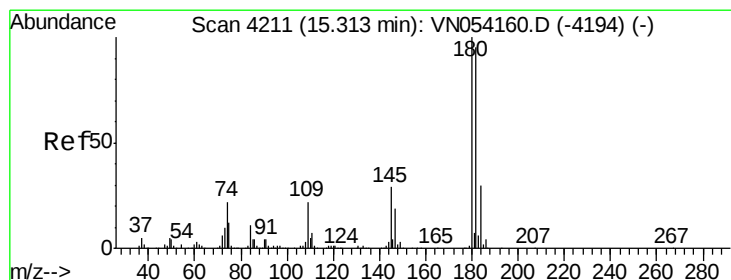
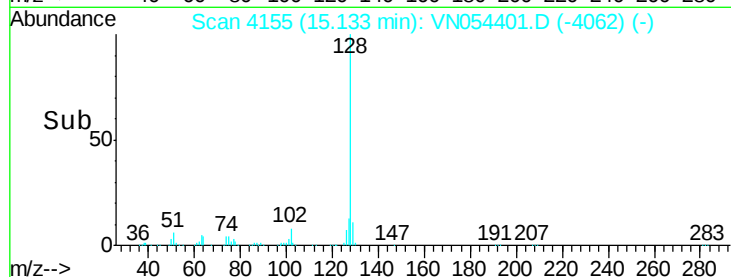
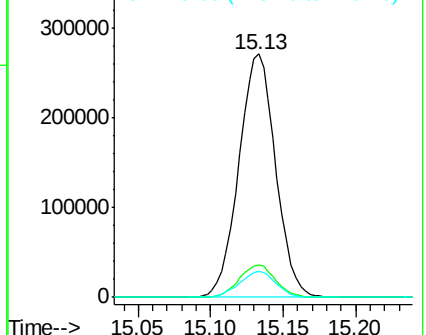
129 10.7 8.7 13.1



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

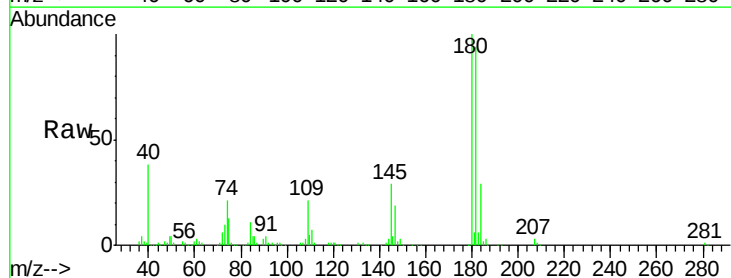
Tgt Ion:180 Resp: 229064

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

