

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054435.D
 Acq On : 19 Mar 2019 12:41
 Operator : JC/SP
 Sample : VN0319MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:50:44 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	1377558	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2044231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1767635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	917232	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	636294	43.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.98%	
35) Dibromofluoromethane	7.59	113	633471	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
50) Toluene-d8	10.09	98	2338019	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
62) 4-Bromofluorobenzene	12.40	95	785850	46.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	226783	17.370	ug/l	97
3) Chloromethane	2.06	50	216501	17.072	ug/l	98
4) Vinyl Chloride	2.19	62	223249	15.402	ug/l	98
5) Bromomethane	2.57	94	154204	15.360	ug/l	95
6) Chloroethane	2.71	64	130681	14.901	ug/l	99
7) Trichlorofluoromethane	3.02	101	291518	15.127	ug/l	100
8) Diethyl Ether	3.41	74	152430	17.357	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	242217	16.772	ug/l	98
10) Methyl Iodide	3.94	142	342865	17.714	ug/l	99
11) Tert butyl alcohol	4.81	59	82554	82.313	ug/l #	88
12) 1,1-Dichloroethene	3.73	96	236070	16.495	ug/l	96
13) Acrolein	3.61	56	58911	61.988	ug/l	96
14) Allyl chloride	4.32	41	324009	17.646	ug/l	92
15) Acrylonitrile	4.99	53	435519	105.715	ug/l	98
16) Acetone	3.82	43	291141	69.504	ug/l	98
17) Carbon Disulfide	4.04	76	501052	13.966	ug/l	100
18) Methyl Acetate	4.33	43	200435	23.651	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	718952	20.267	ug/l	98
20) Methylene Chloride	4.54	84	274143	19.932	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	258408	18.845	ug/l	99
22) Diisopropyl ether	5.96	45	734252	20.036	ug/l	97
23) Vinyl Acetate	5.90	43	2421103	89.604	ug/l	96
24) 1,1-Dichloroethane	5.85	63	468203	19.898	ug/l	99
25) 2-Butanone	6.85	43	483958	98.438	ug/l	96
26) 2,2-Dichloropropane	6.82	77	312628	15.108	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	311105	20.337	ug/l	95
28) Bromochloromethane	7.19	49	183001	19.024	ug/l	93
29) Tetrahydrofuran	7.22	42	309813	98.009	ug/l	93
30) Chloroform	7.37	83	478461	19.486	ug/l	99
31) Cyclohexane	7.65	56	417287	18.187	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	391952	17.675	ug/l	98
36) 1,1-Dichloropropene	7.79	75	350218	18.603	ug/l	98
37) Ethyl Acetate	6.94	43	202081	18.682	ug/l #	95
38) Carbon Tetrachloride	7.77	117	326650	16.546	ug/l	99

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	423740	18.294	ug/l	97
40) Benzene	8.04	78	1104403	20.501	ug/l	99
41) Methacrylonitrile	7.18	41	120106	19.447	ug/l	97
42) 1,2-Dichloroethane	8.12	62	329727	18.129	ug/l	97
43) Isopropyl Acetate	8.17	43	336797	17.738	ug/l	96
44) Trichloroethene	8.84	130	331235	19.793	ug/l	98
45) 1,2-Dichloropropane	9.12	63	282173	21.094	ug/l	98
46) Dibromomethane	9.21	93	172527	19.089	ug/l	100
47) Bromodichloromethane	9.40	83	328552	18.133	ug/l	97
48) Methyl methacrylate	9.20	41	182127	18.902	ug/l	89
49) 1,4-Dioxane	9.20	88	58100	426.289	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1014356	100.952	ug/l	94
52) Toluene	10.16	92	683709	20.016	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	294401	15.628	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	381151	18.052	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	256956	20.602	ug/l	98
56) Ethyl methacrylate	10.43	69	308769	20.762	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	419012	20.546	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	626105	107.336	ug/l	99
59) 2-Hexanone	10.75	43	647648	96.868	ug/l	93
60) Dibromochloromethane	10.90	129	249312	17.759	ug/l	99
61) 1,2-Dibromoethane	11.01	107	258708	20.411	ug/l	98
64) Tetrachloroethene	10.63	164	322405	18.865	ug/l	99
65) Chlorobenzene	11.43	112	794690	20.475	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	276164	19.587	ug/l	97
67) Ethyl Benzene	11.51	91	1301076	20.222	ug/l	100
68) m/p-Xylenes	11.62	106	1024855	40.756	ug/l	97
69) o-Xylene	11.95	106	519522	21.193	ug/l	94
70) Styrene	11.96	104	815598	21.214	ug/l	98
71) Bromoform	12.13	173	156157	16.197	ug/l #	97
73) Isopropylbenzene	12.25	105	1342885	18.299	ug/l	99
74) N-amyl acetate	12.07	43	285090	17.502	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	289720	18.530	ug/l #	86
76) 1,2,3-Trichloropropane	12.55	75	423037	31.363	ug/l #	100
77) Bromobenzene	12.53	156	2046894	105.409	ug/l #	14
78) n-propylbenzene	12.59	91	1424554	17.890	ug/l	98
79) 2-Chlorotoluene	12.67	91	839852	17.542	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1200113	19.661	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	45729	11.589	ug/l #	81
82) 4-Chlorotoluene	12.77	91	855896	17.903	ug/l	97
83) tert-Butylbenzene	12.99	119	975876	17.369	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1100627	18.379	ug/l	99
85) sec-Butylbenzene	13.17	105	1248157	17.130	ug/l	100
86) p-Isopropyltoluene	13.29	119	1116269	17.463	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	575813	17.598	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	559876	17.418	ug/l	98
89) n-Butylbenzene	13.62	91	850365	17.508	ug/l	99
90) Hexachloroethane	13.87	117	130342	12.314	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	585815	18.314	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41938	17.334	ug/l	98

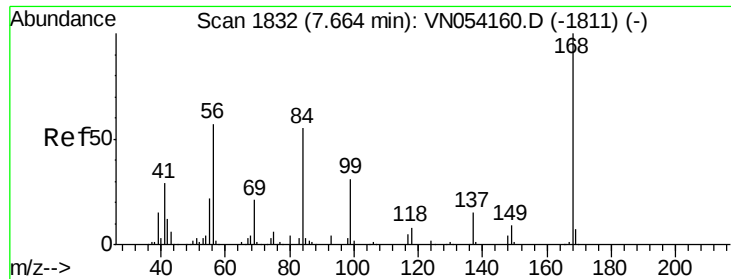
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	330803	18.784	ug/l	97
94) Hexachlorobutadiene	15.01	225	178885	14.682	ug/l	97
95) Naphthalene	15.13	128	867789	23.544	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	336762	19.814	ug/l	93

(#) = 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: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

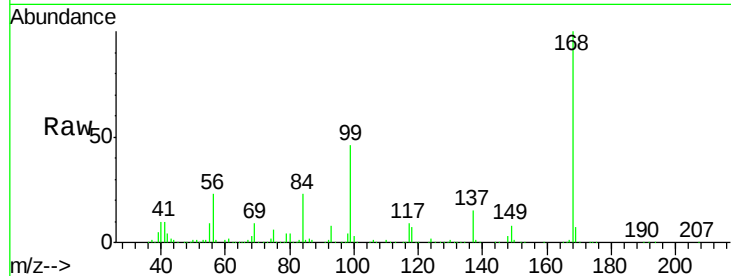
ClientSampled :

Tot Ion:168 Resp: 1377558

Ion Ratio Lower Upper

168 100

99 45.7 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

600000

500000

400000

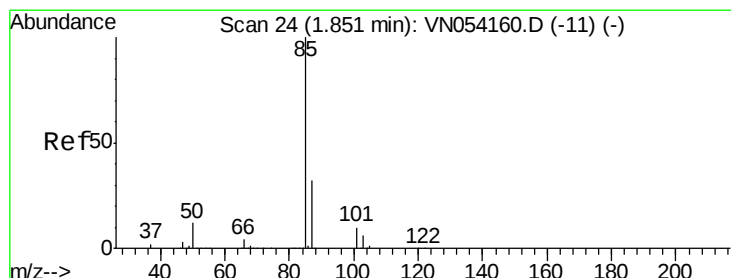
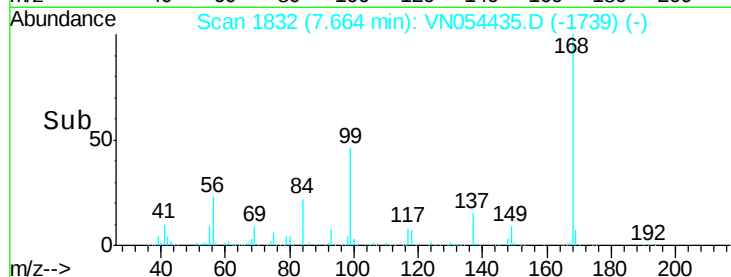
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 17.370 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054435.D

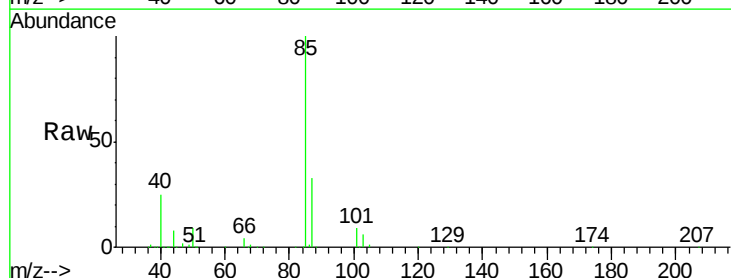
Acq: 19 Mar 2019 12:41

Tgt Ion: 85 Resp: 226783

Ion Ratio Lower Upper

85 100

87 33.3 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

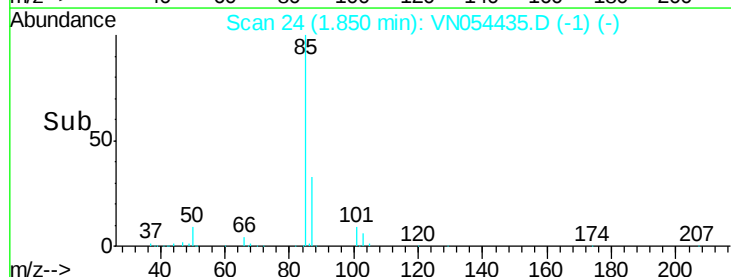
150000

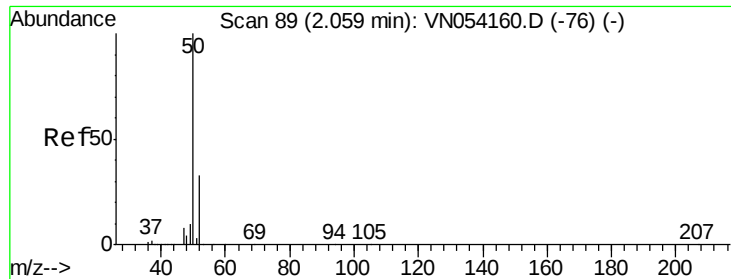
100000

50000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 17.072 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

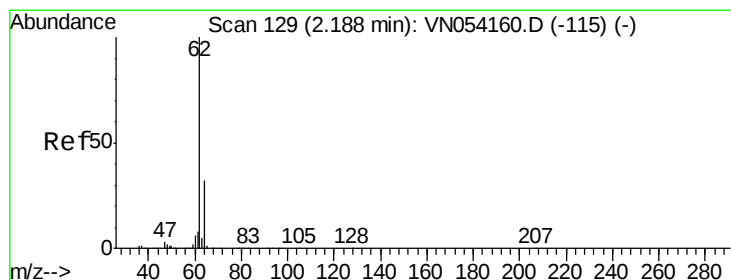
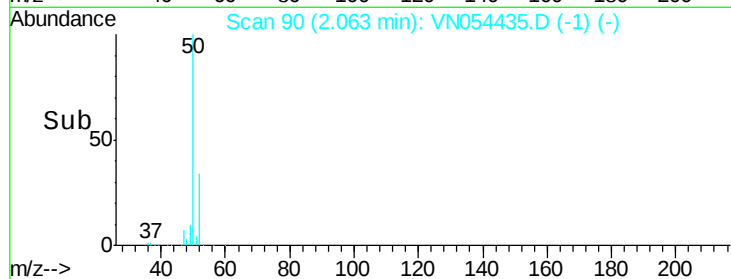
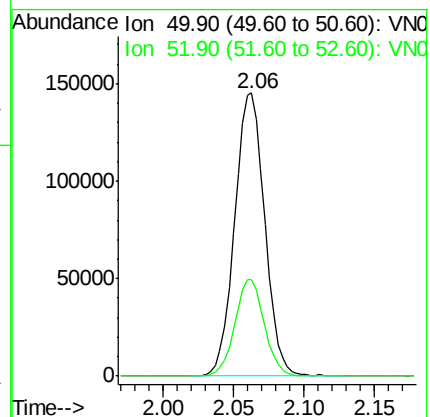
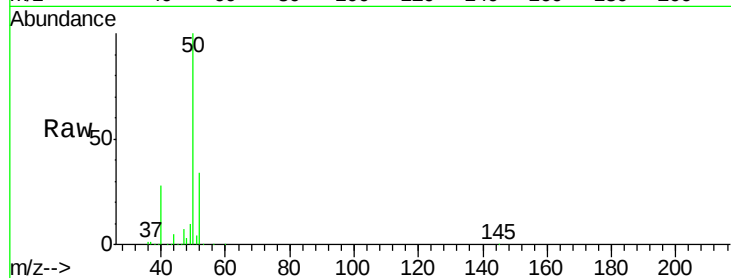
ClientSampleId :

Tot Ion: 50 Resp: 216501

Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6



#4

Vinyl Chloride

Concen: 15.402 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054435.D

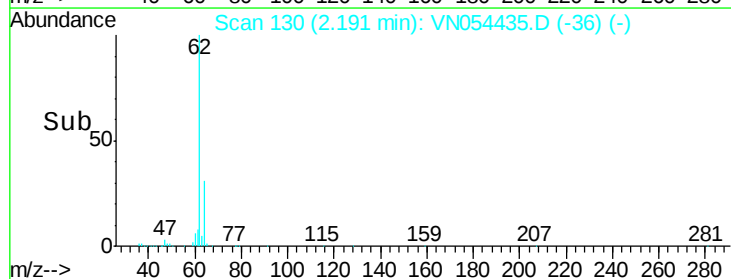
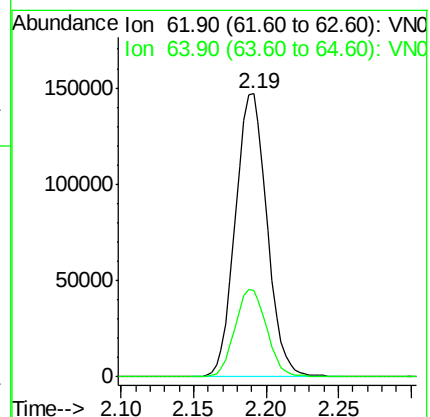
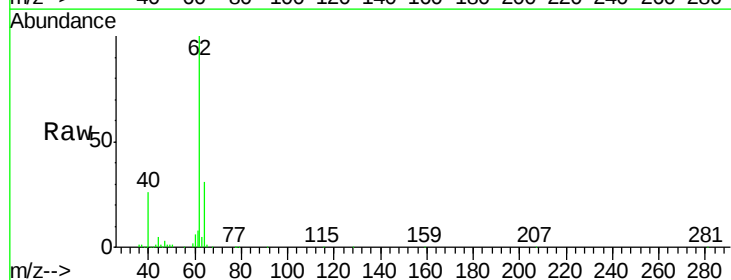
Acq: 19 Mar 2019 12:41

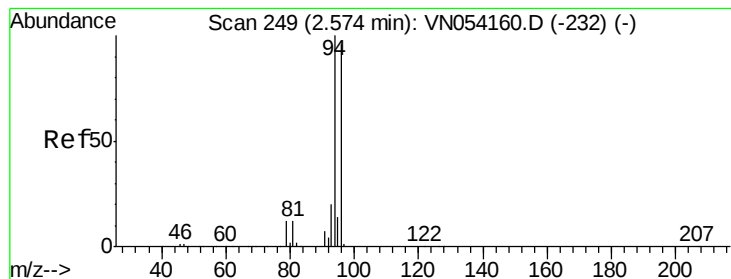
Tgt Ion: 62 Resp: 223249

Ion Ratio Lower Upper

62 100

64 30.6 25.5 38.3





#5

Bromomethane

Concen: 15.360 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

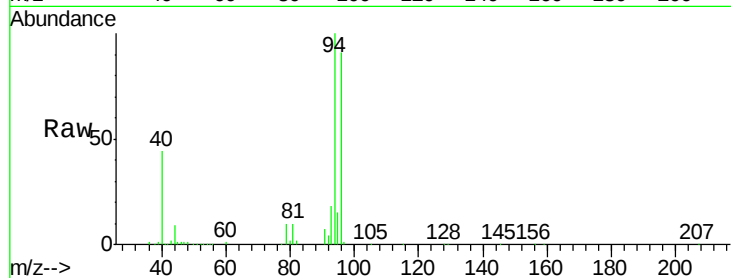
ClientSampled :

Tot Ion: 94 Resp: 154204

Ion Ratio Lower Upper

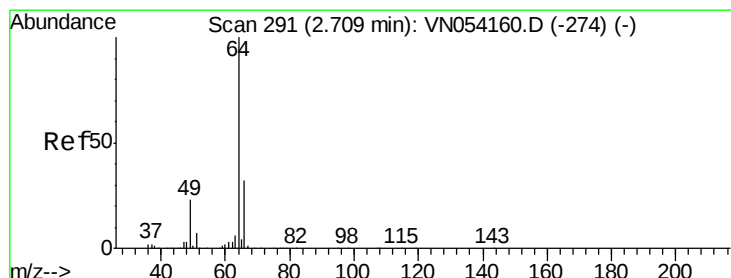
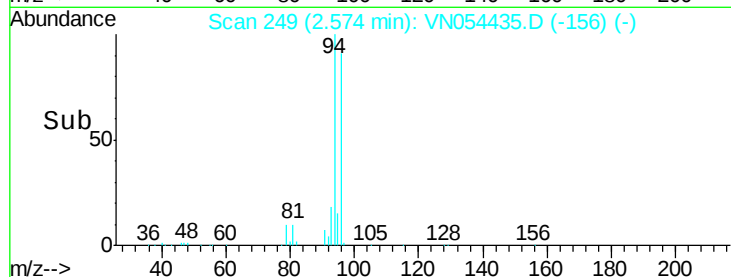
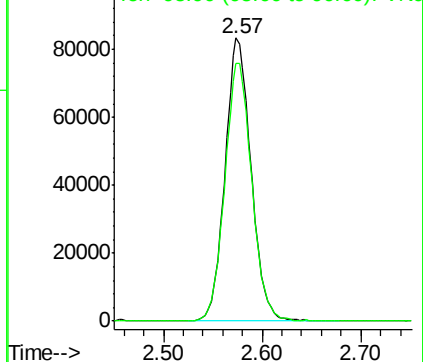
94 100

96 91.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 14.901 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN054435.D

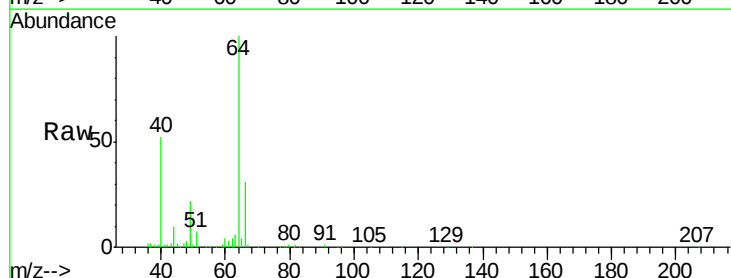
Acq: 19 Mar 2019 12:41

Tgt Ion: 64 Resp: 130681

Ion Ratio Lower Upper

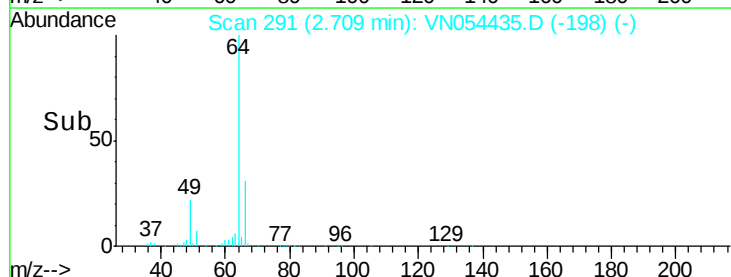
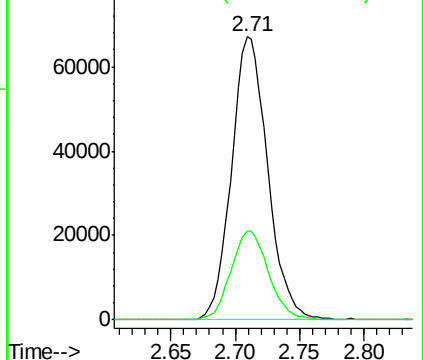
64 100

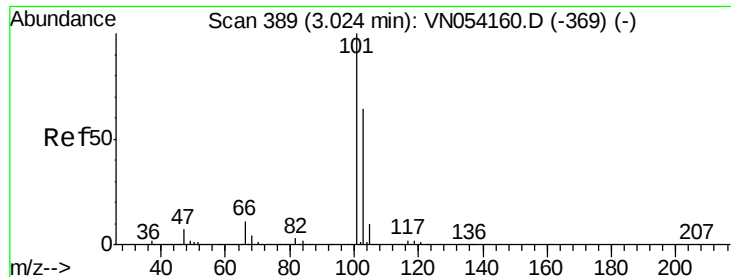
66 31.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO



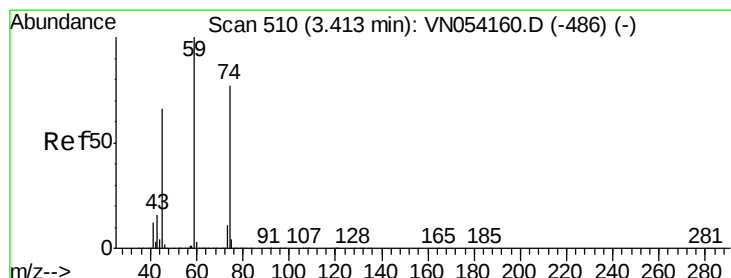
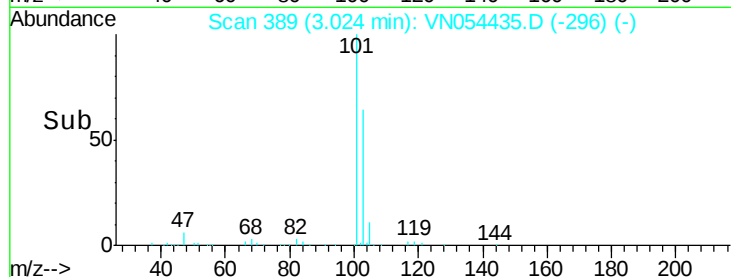
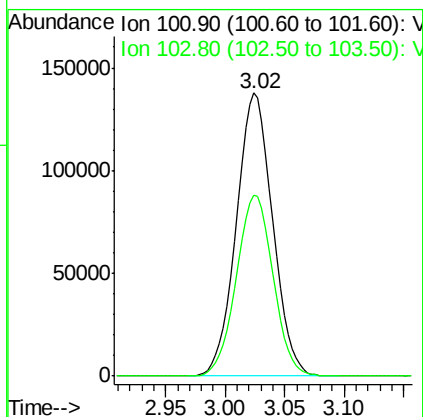
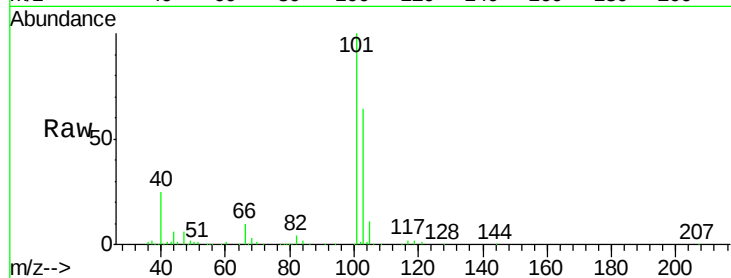


#7

Trichlorofluoromethane
Concen: 15.127 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

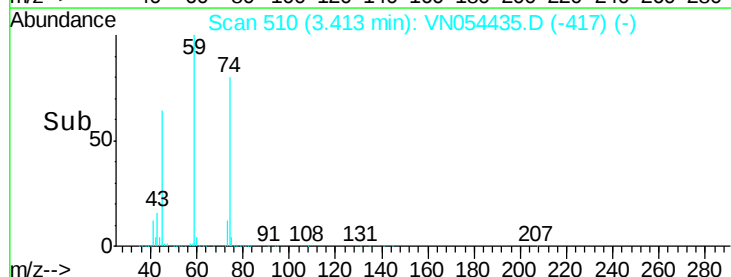
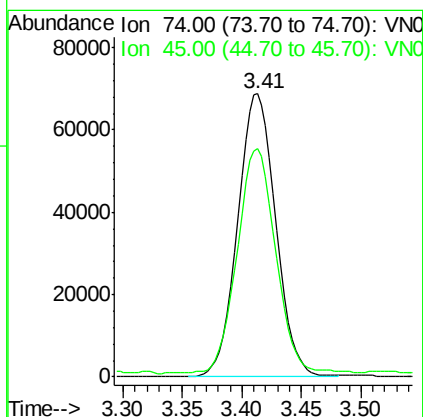
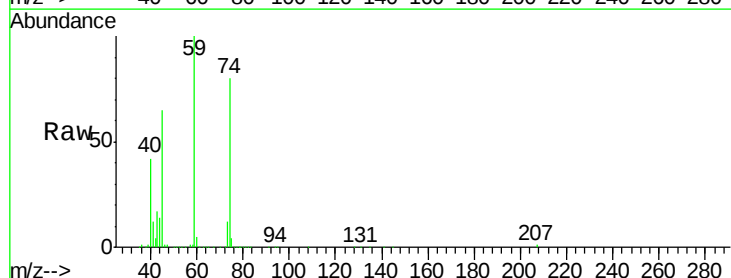
Tot Ion:101 Resp: 291518
Ion Ratio Lower Upper
101 100
103 64.0 51.4 77.2

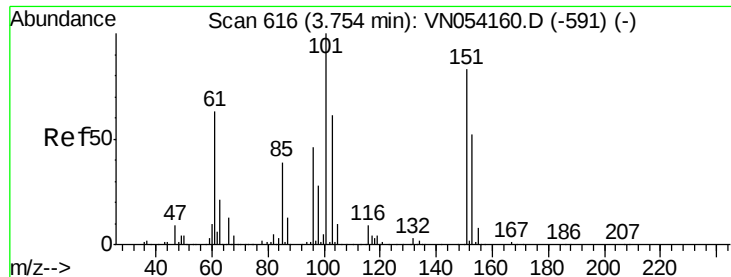


#8

Diethyl Ether
Concen: 17.357 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 74 Resp: 152430
Ion Ratio Lower Upper
74 100
45 79.1 43.1 129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.772 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

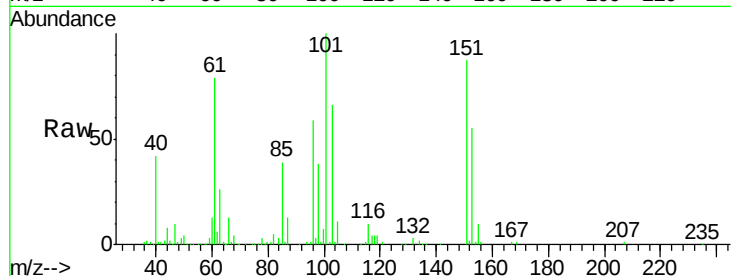
Tot Ion:101 Resp: 242217

Ion Ratio Lower Upper

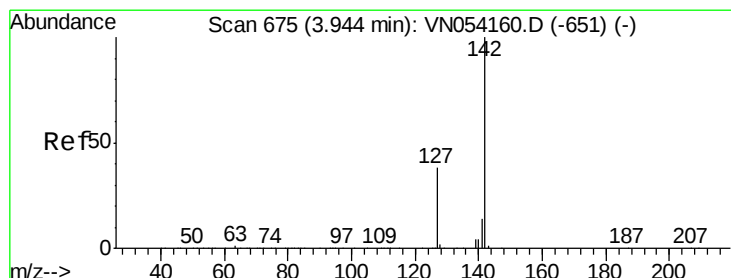
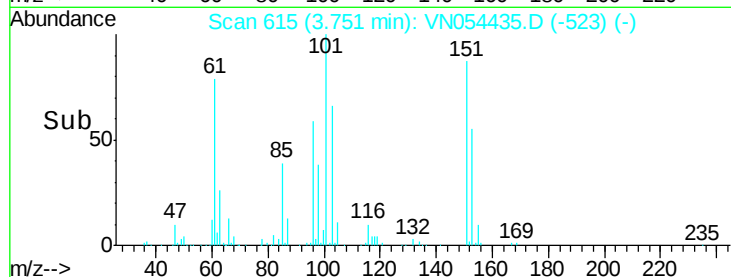
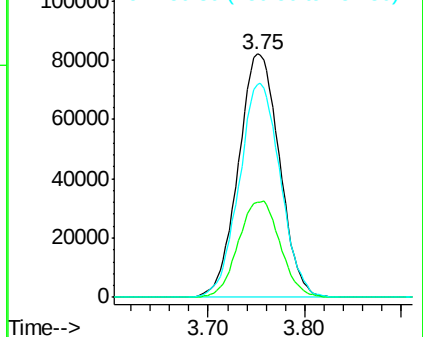
101 100

85 40.2 32.4 48.6

151 88.1 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: 17.714 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

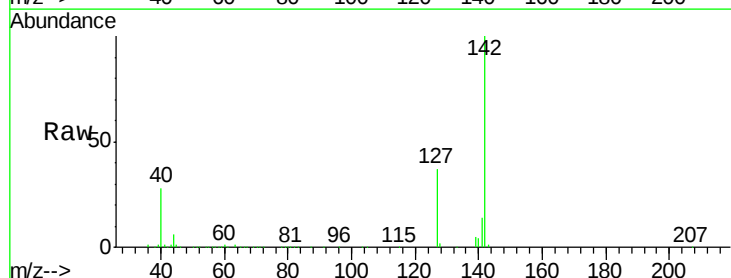
Tgt Ion:142 Resp: 342865

Ion Ratio Lower Upper

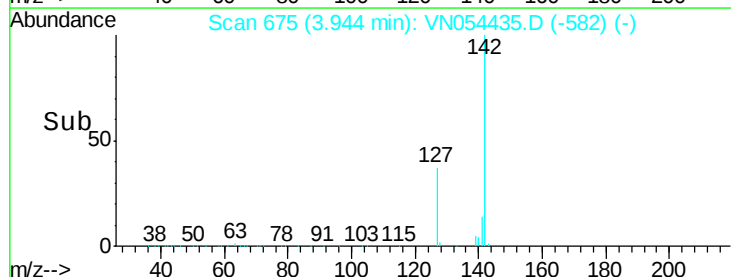
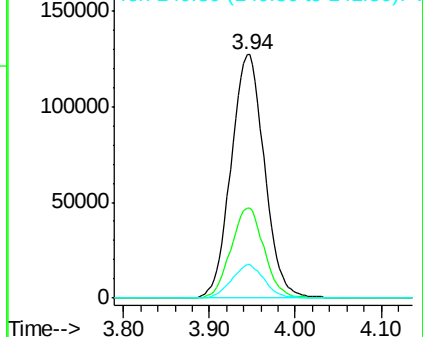
142 100

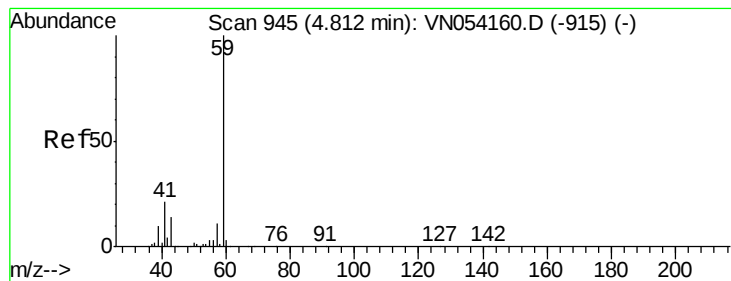
127 37.0 30.3 45.5

141 13.6 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



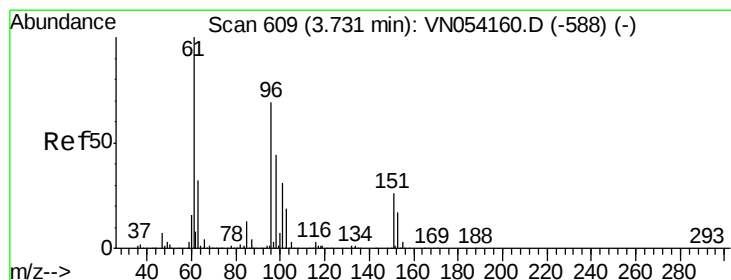
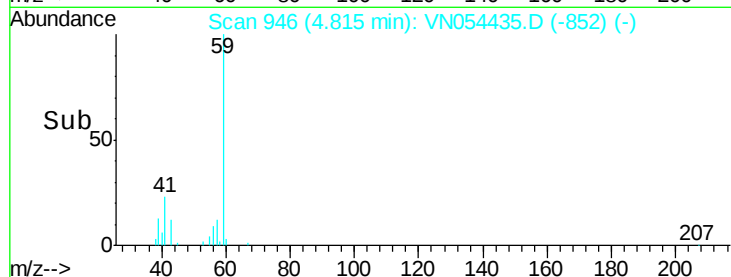
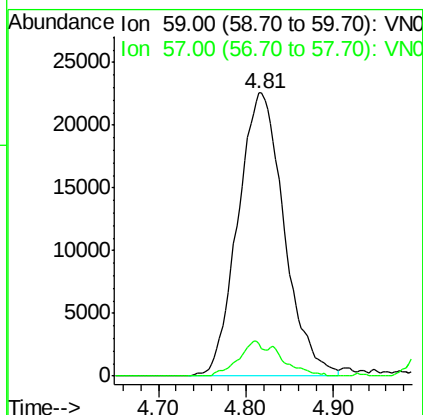
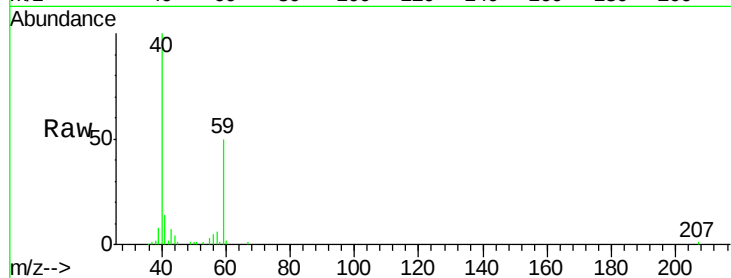


#11

Tert butyl alcohol
Concen: 82.313 ug/l
RT: 4.81 min Scan# 946
Delta R.T. 0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

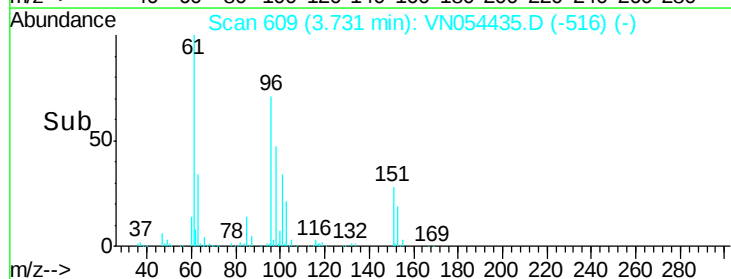
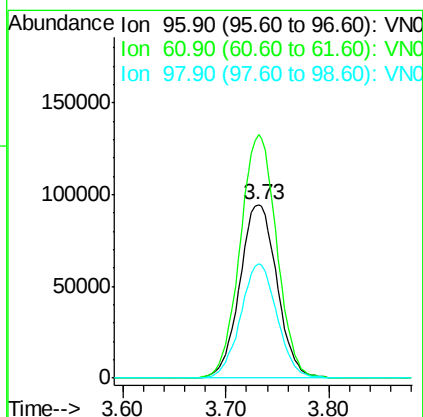
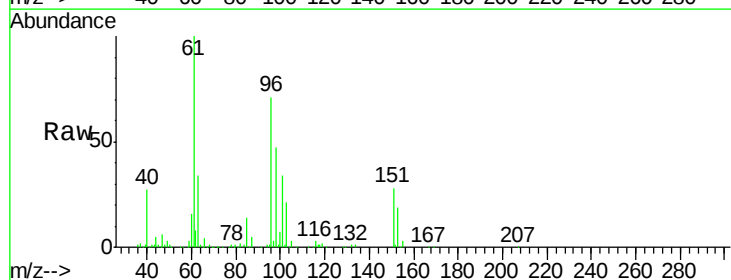
Tot Ion: 59 Resp: 82554
Ion Ratio Lower Upper
59 100
57 6.6 9.0 13.6#



#12

1,1-Dichloroethene
Concen: 16.495 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 96 Resp: 236070
Ion Ratio Lower Upper
96 100
61 140.3 116.5 174.7
98 65.8 51.0 76.4





#13

Acrolein

Concen: 61.988 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

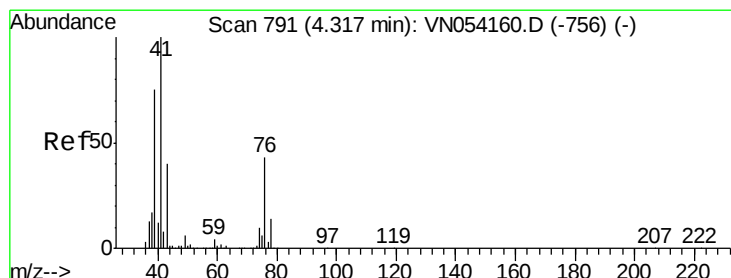
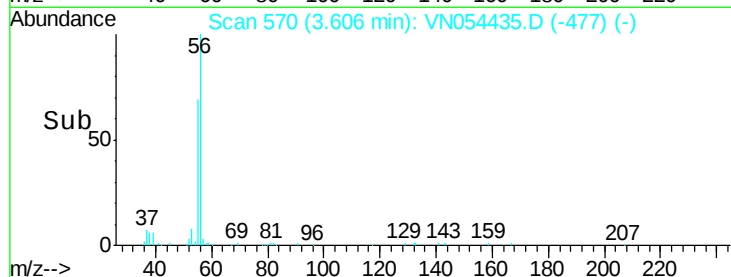
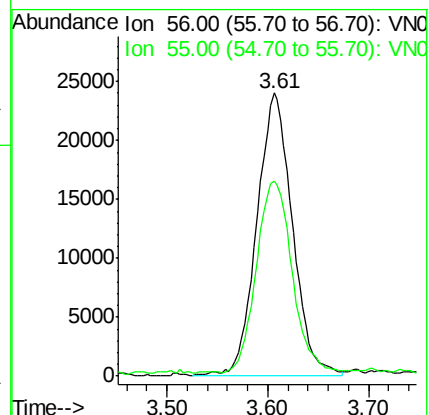
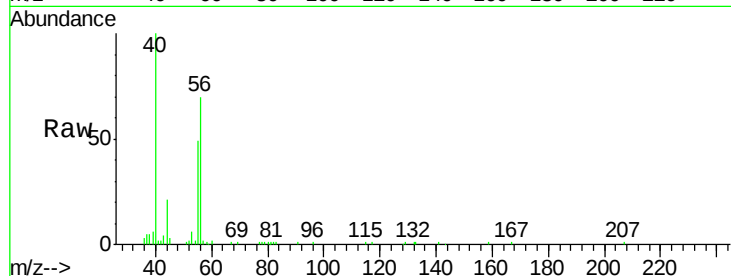
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 58911

Ion Ratio Lower Upper

56 100

55 68.0 56.7 85.1



#14

Allyl chloride

Concen: 17.646 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

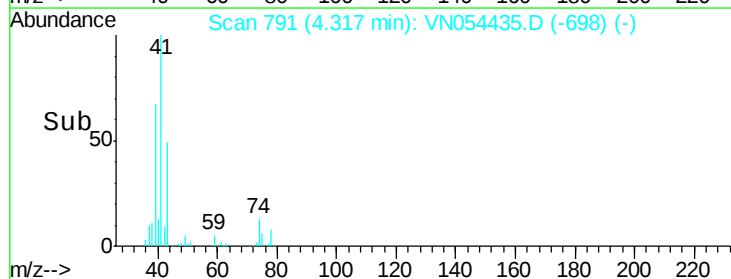
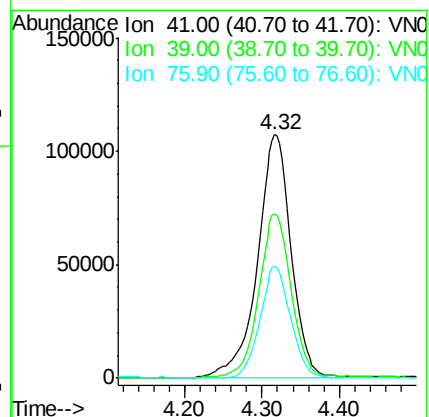
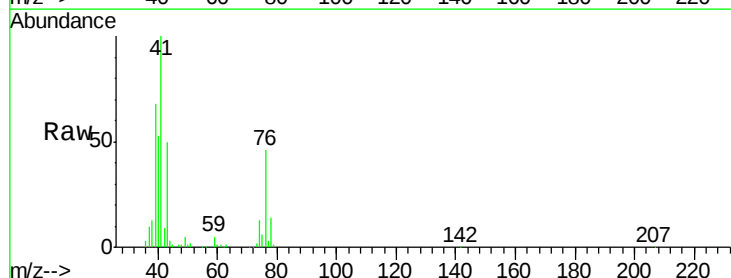
Tgt Ion: 41 Resp: 324009

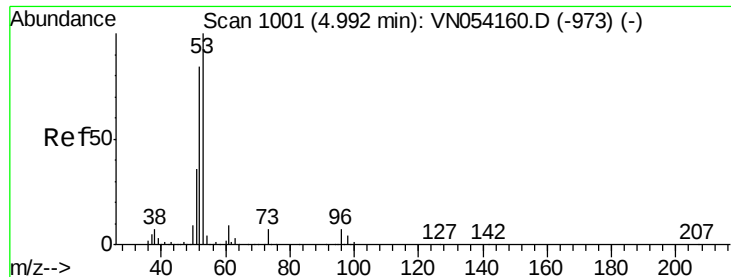
Ion Ratio Lower Upper

41 100

39 64.5 58.2 87.4

76 41.8 31.7 47.5





#15

Acrylonitrile

Concen: 105.715 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

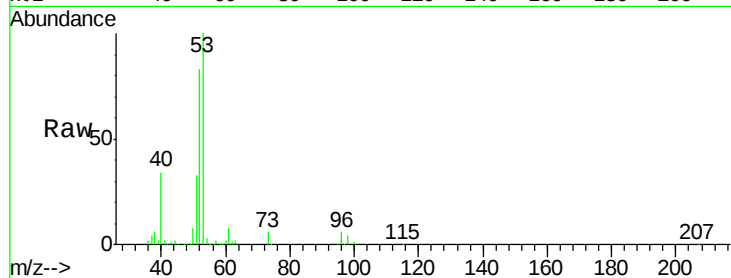
Tot Ion: 53 Resp: 435519

Ion Ratio Lower Upper

53 100

52 81.9 66.4 99.6

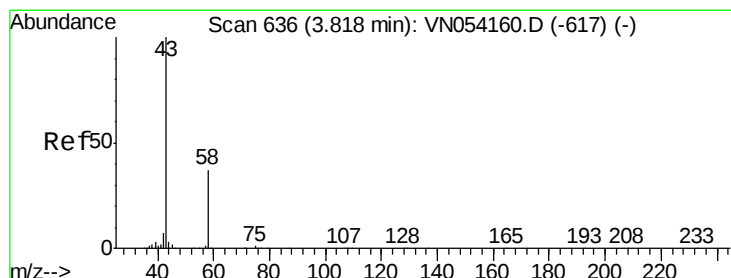
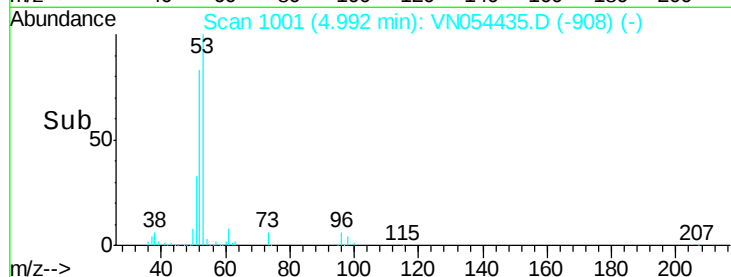
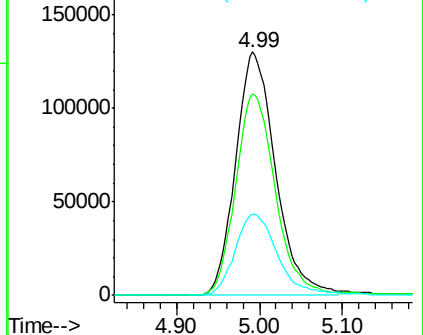
51 35.7 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 69.504 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054435.D

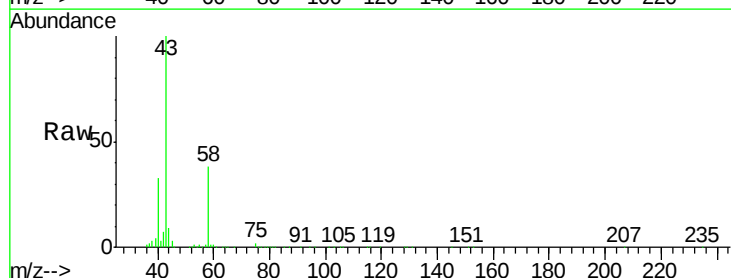
Acq: 19 Mar 2019 12:41

Tgt Ion: 43 Resp: 291141

Ion Ratio Lower Upper

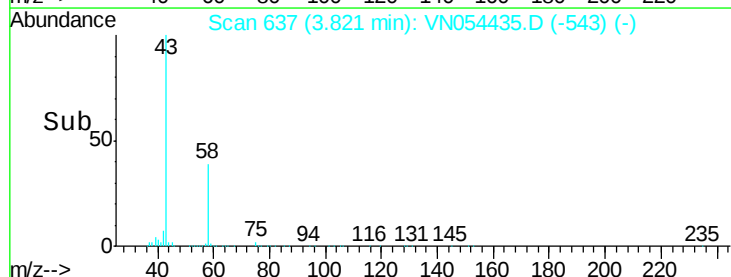
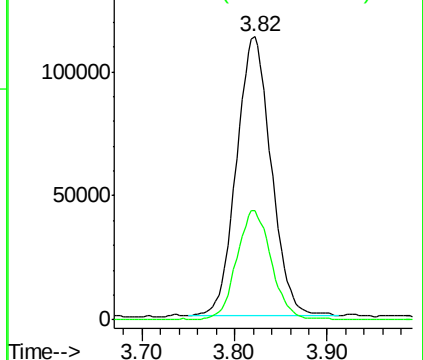
43 100

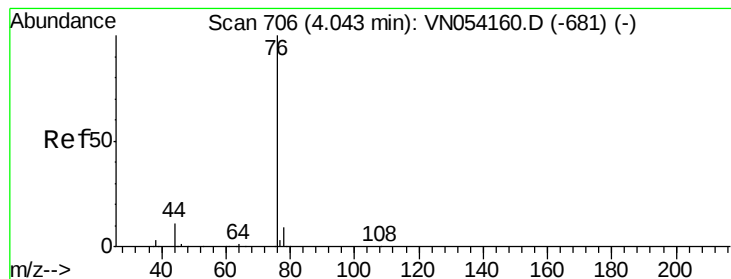
58 38.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 13.966 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

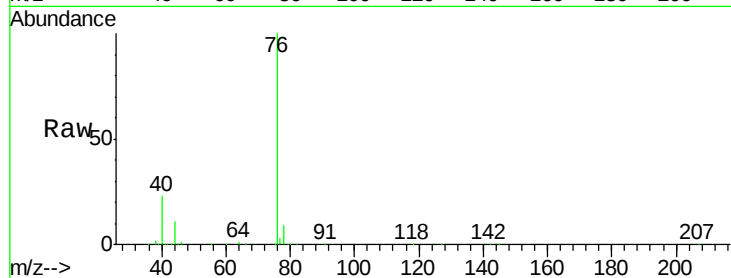
ClientSampled :

Tot Ion: 76 Resp: 501052

Ion Ratio Lower Upper

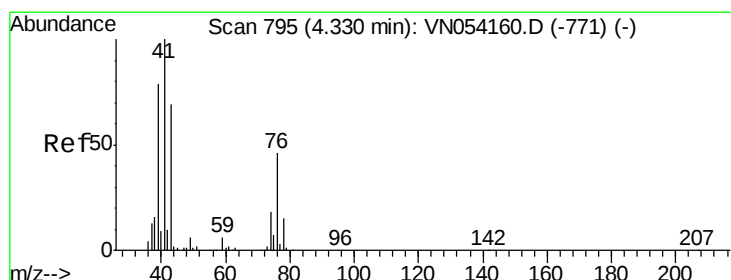
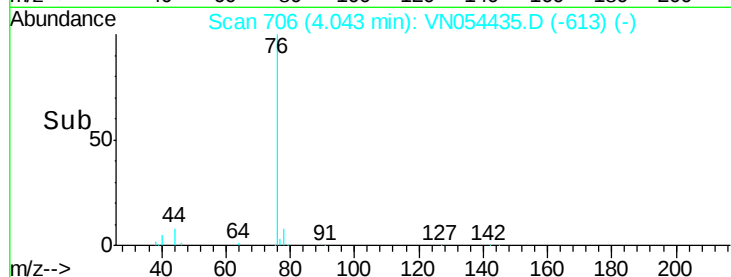
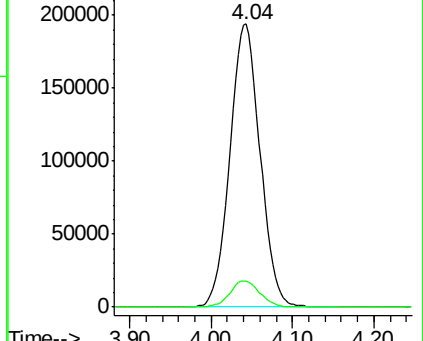
76 100

78 9.4 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: 23.651 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054435.D

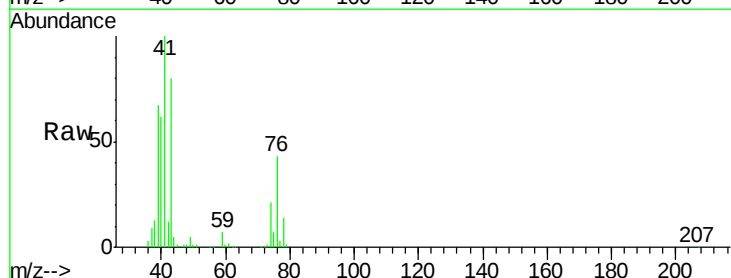
Acq: 19 Mar 2019 12:41

Tgt Ion: 43 Resp: 200435

Ion Ratio Lower Upper

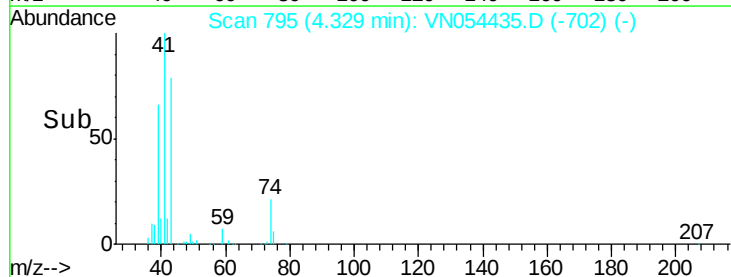
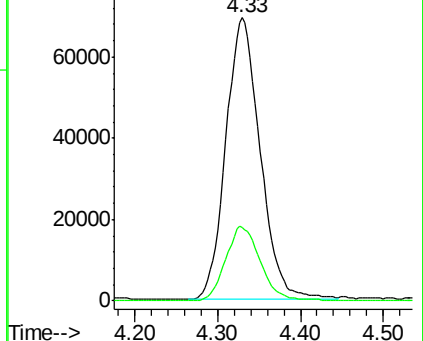
43 100

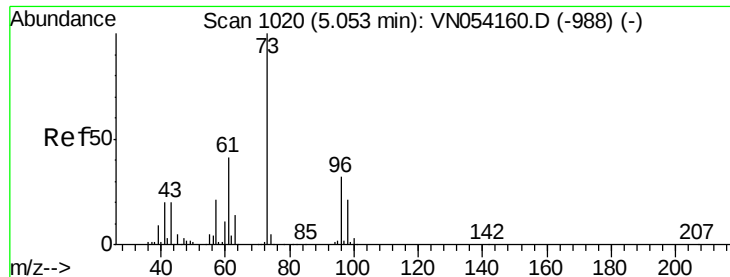
74 26.7 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

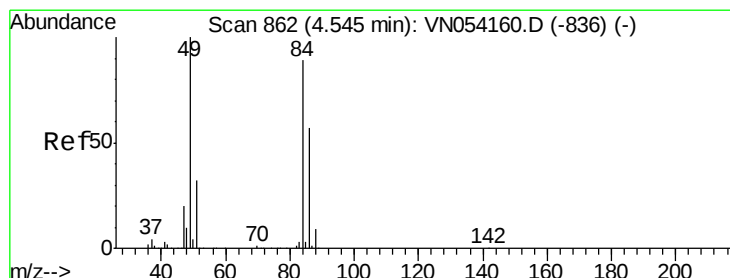
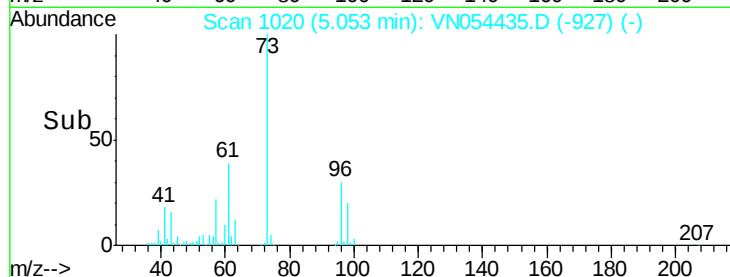
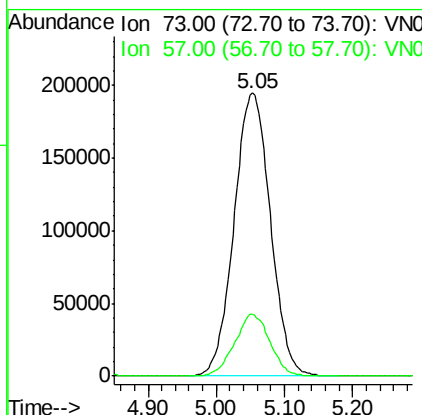
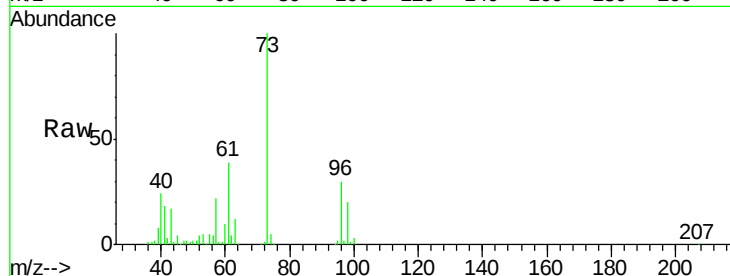




#19
Methvl tert-butvl Ether
Concen: 20.267 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

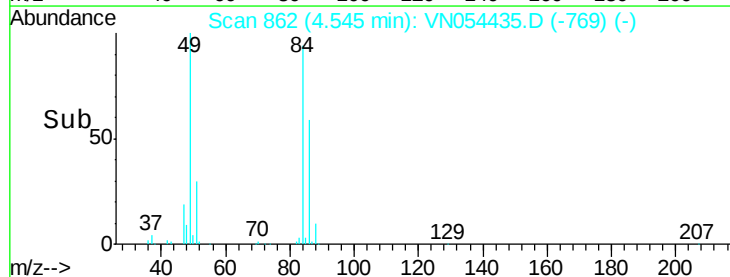
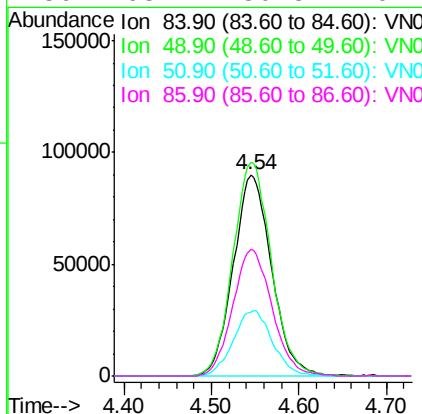
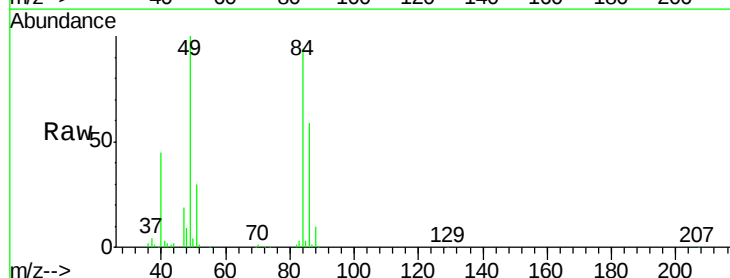
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 73 Resp: 718952
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2



#20
Methylene Chloride
Concen: 19.932 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 84 Resp: 274143
Ion Ratio Lower Upper
84 100
49 106.3 89.7 134.5
51 32.1 28.2 42.4
86 63.2 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 18.845 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

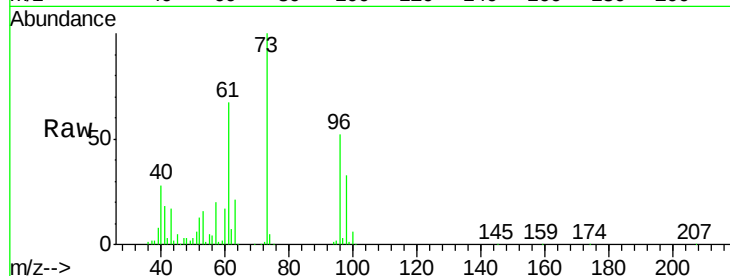
Tot Ion: 96 Resp: 258408

Ion Ratio Lower Upper

96 100

61 127.8 102.8 154.2

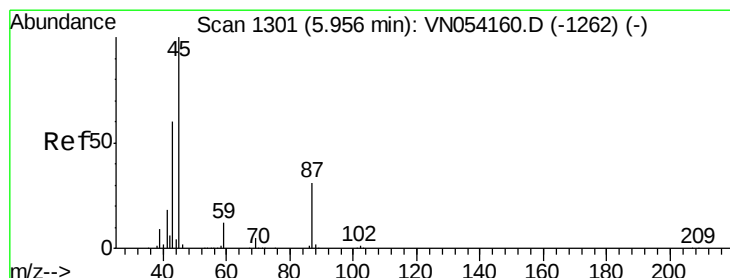
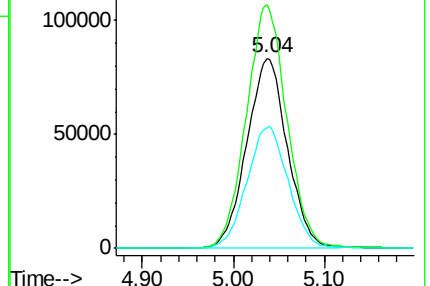
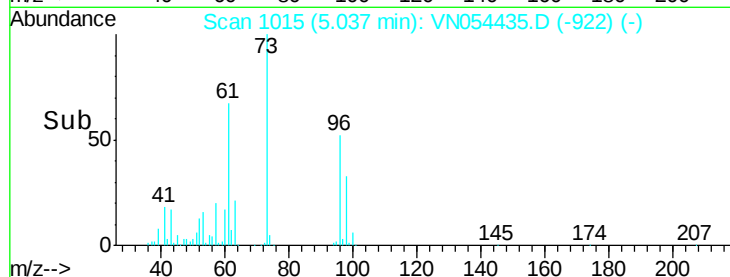
98 63.5 50.0 75.0



Abundance Ion 95.90 (95.60 to 96.60): VN054435.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VN054435.D (-922) (-)

Ion 97.90 (97.60 to 98.60): VN054435.D (-922) (-)



#22

Diisopropyl ether

Concen: 20.036 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Tgt Ion: 45 Resp: 734252

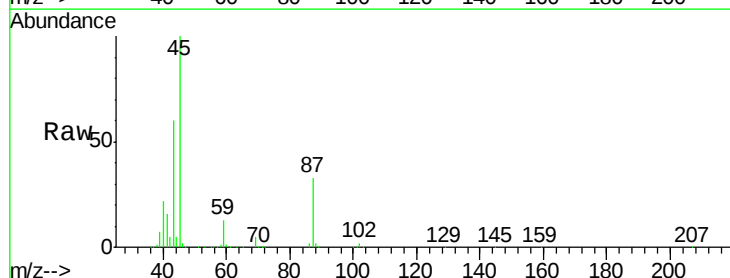
Ion Ratio Lower Upper

45 100

43 57.9 48.2 72.2

87 32.4 24.9 37.3

59 12.4 9.5 14.3

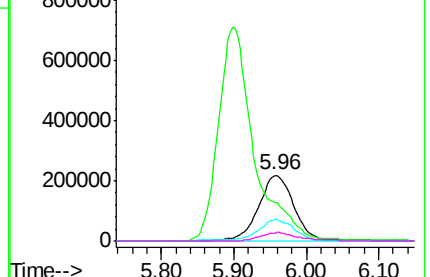
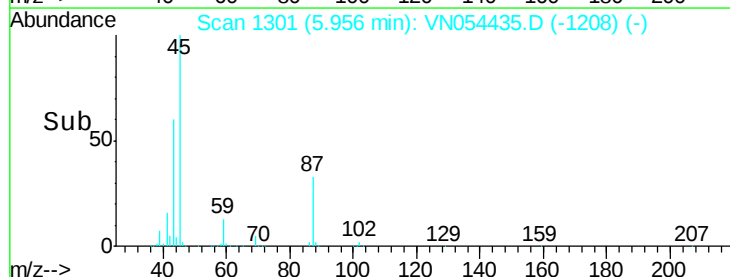


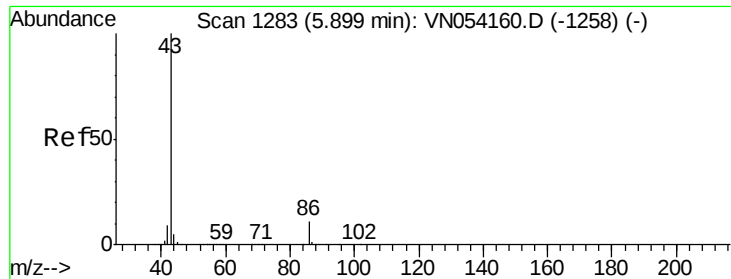
Abundance Ion 45.00 (44.70 to 45.70): VN054435.D (-1208) (-)

Ion 43.00 (42.70 to 43.70): VN054435.D (-1208) (-)

Ion 87.00 (86.70 to 87.70): VN054435.D (-1208) (-)

Ion 59.00 (58.70 to 59.70): VN054435.D (-1208) (-)





#23

Vinyl Acetate

Concen: 89.604 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

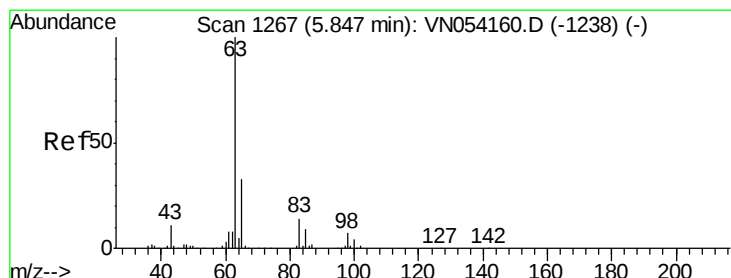
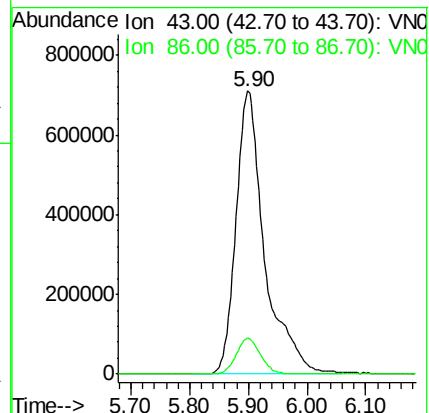
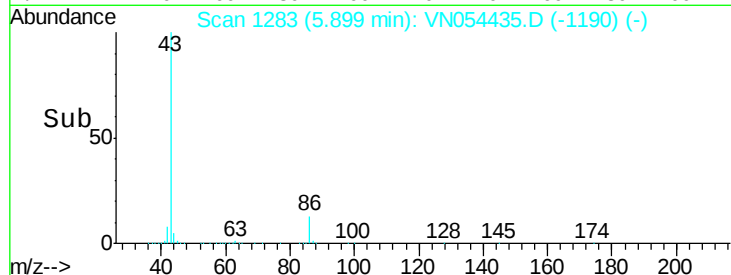
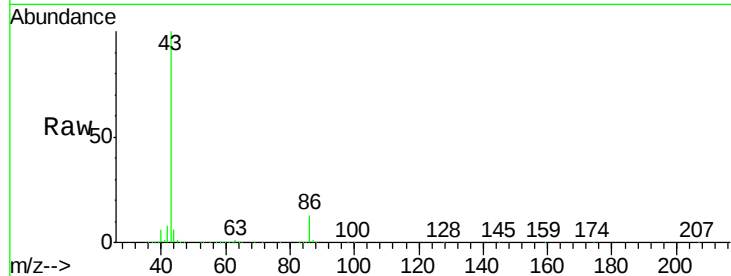
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2421103

Ion Ratio Lower Upper

43 100

86 12.8 9.1 13.7



#24

1,1-Dichloroethane

Concen: 19.898 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

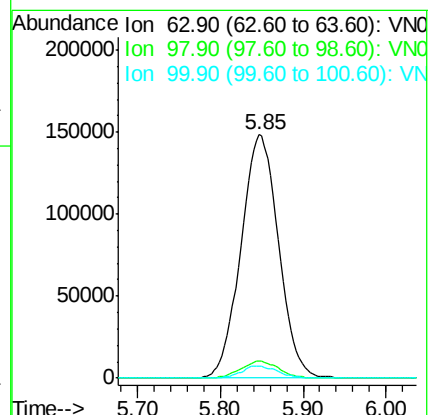
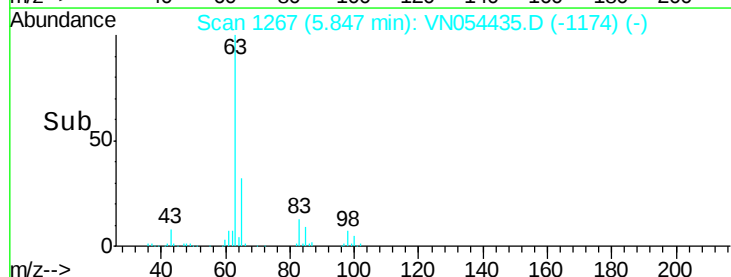
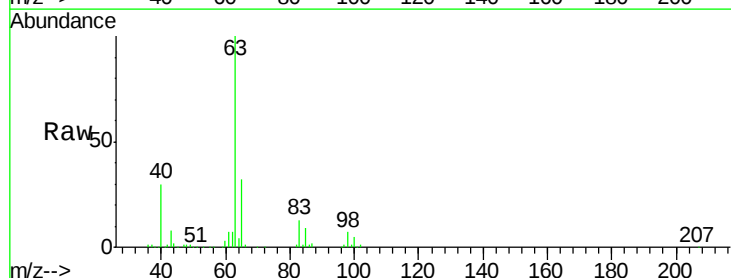
Tgt Ion: 63 Resp: 468203

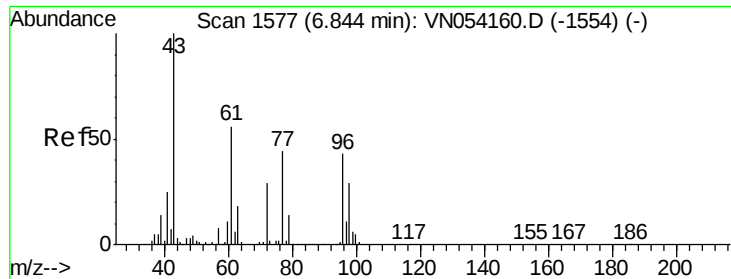
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.7 2.0 6.0





#25

2-Butanone

Concen: 98.438 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

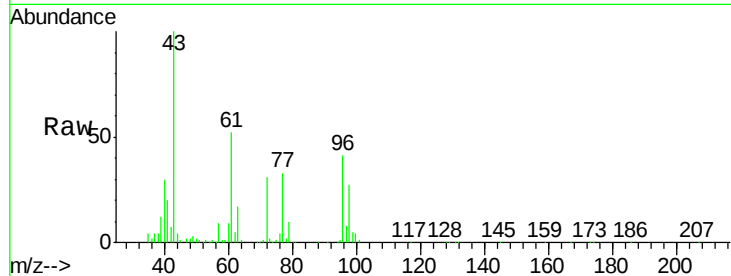
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 483958

Ion Ratio Lower Upper

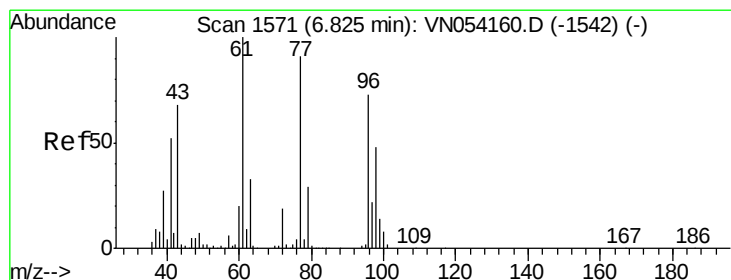
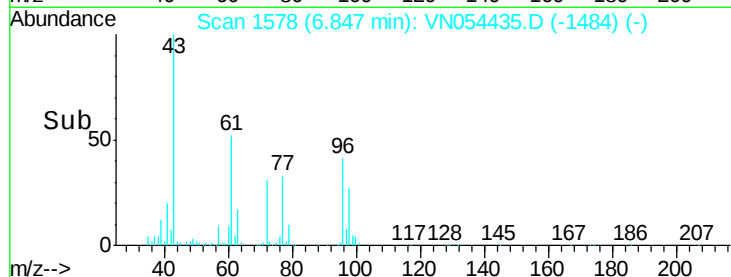
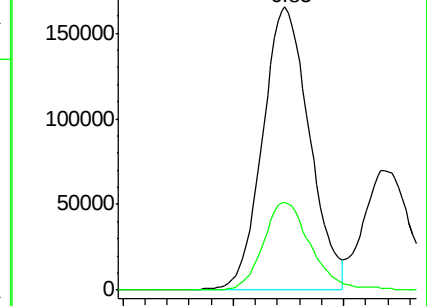
43 100

72 30.9 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 15.108 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN054435.D

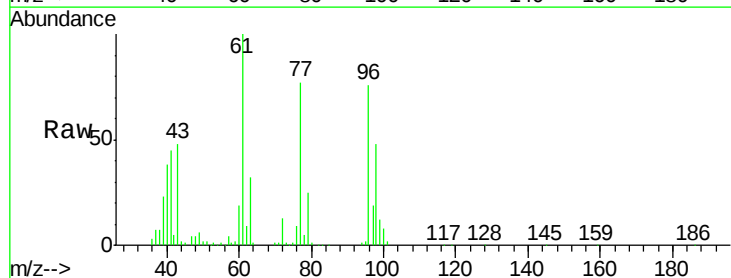
Acq: 19 Mar 2019 12:41

Tgt Ion: 77 Resp: 312628

Ion Ratio Lower Upper

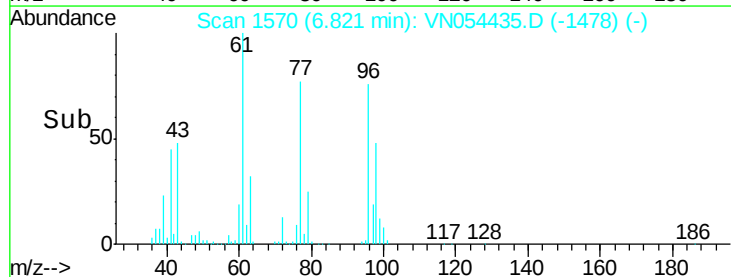
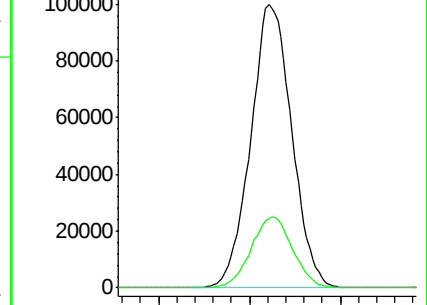
77 100

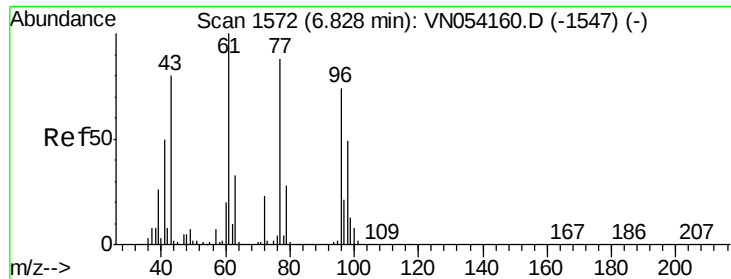
97 25.5 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.337 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

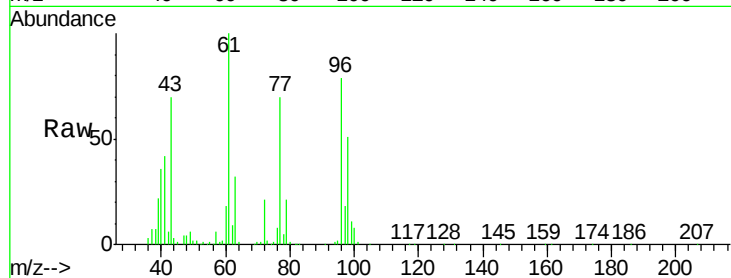
Tot Ion: 96 Resp: 311105

Ion Ratio Lower Upper

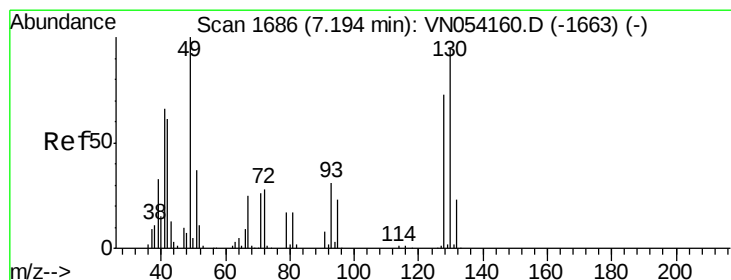
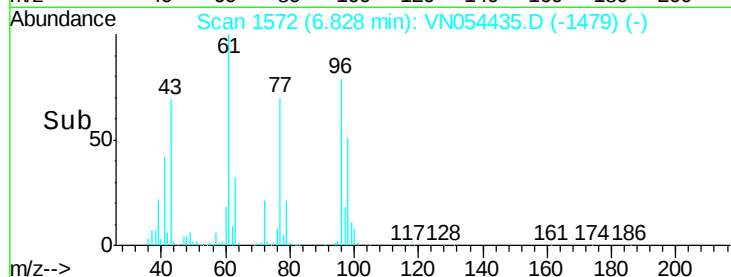
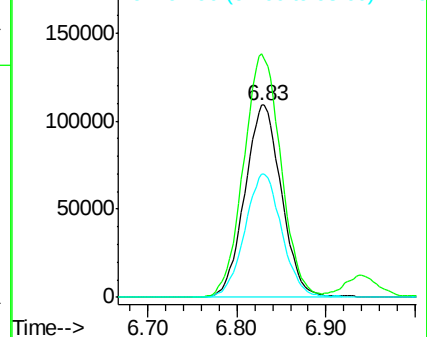
96 100

61 129.0 0.0 273.0

98 64.7 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.024 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

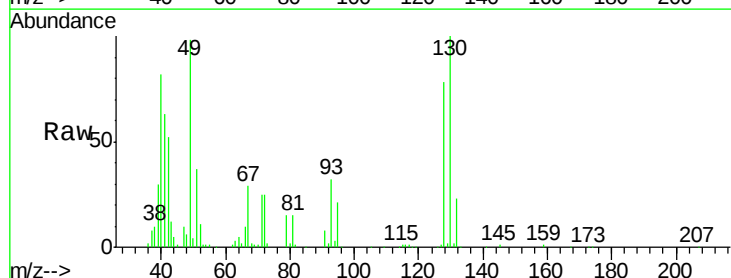
Tgt Ion: 49 Resp: 183001

Ion Ratio Lower Upper

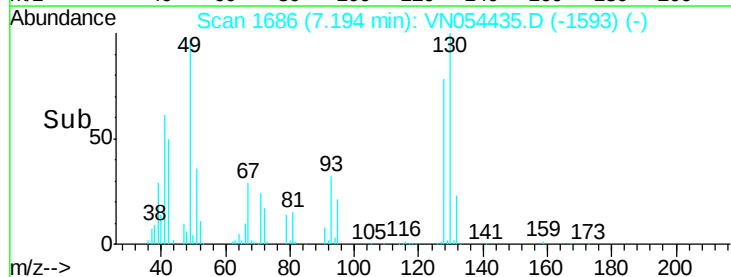
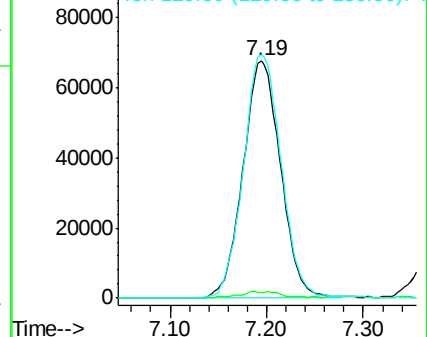
49 100

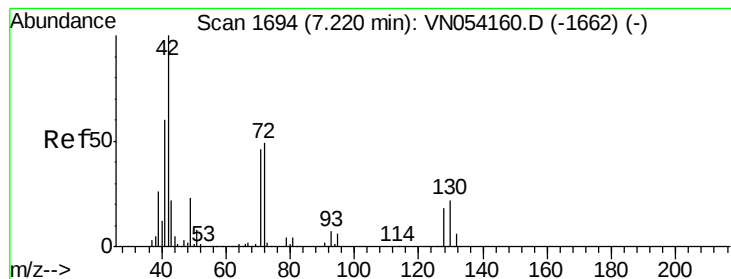
129 1.7 0.0 4.6

130 102.8 76.7 115.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 98.009 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

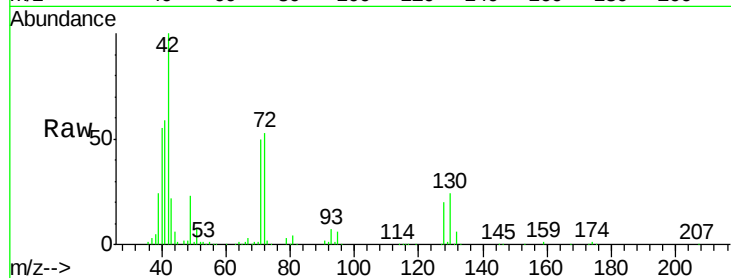
Tot Ion: 42 Resp: 309813

Ion Ratio Lower Upper

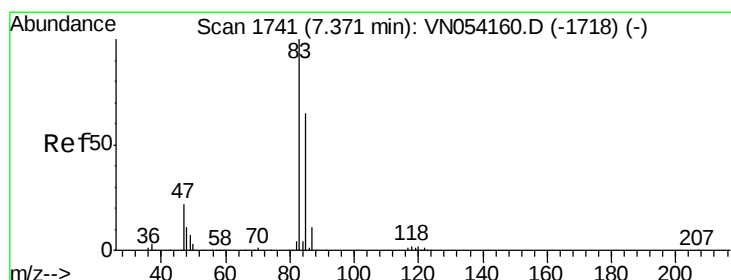
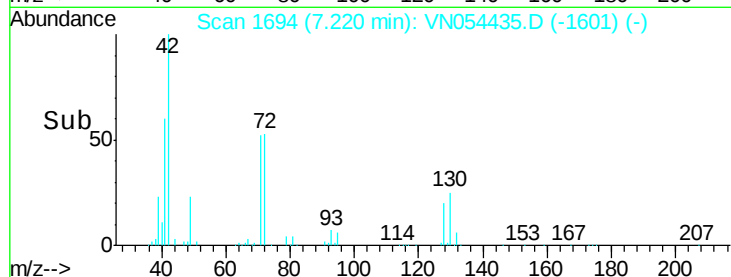
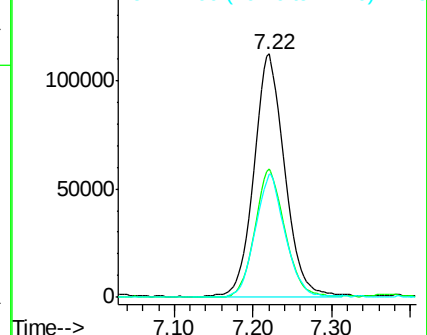
42 100

72 52.0 37.8 56.6

71 49.6 36.2 54.2



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



#30

Chloroform

Concen: 19.486 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VN054435.D

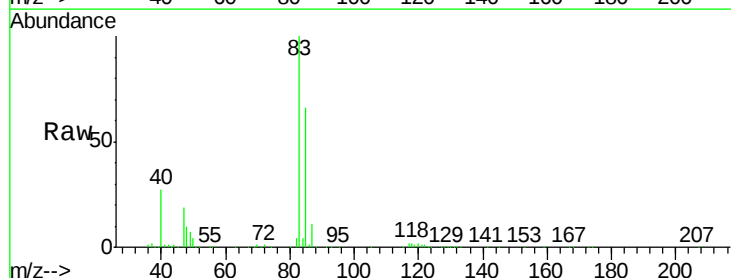
Acq: 19 Mar 2019 12:41

Tgt Ion: 83 Resp: 478461

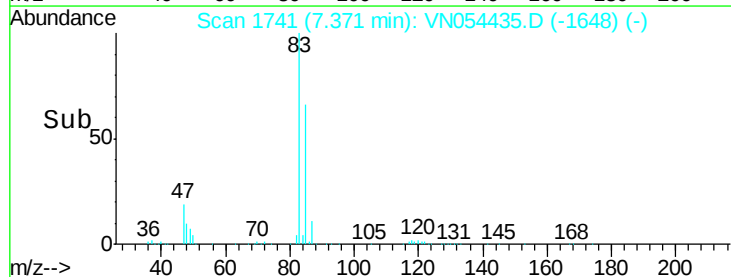
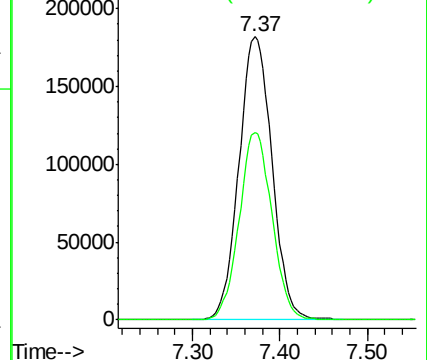
Ion Ratio Lower Upper

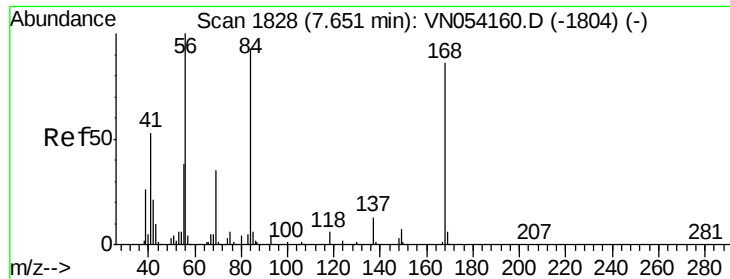
83 100

85 66.4 52.2 78.4



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

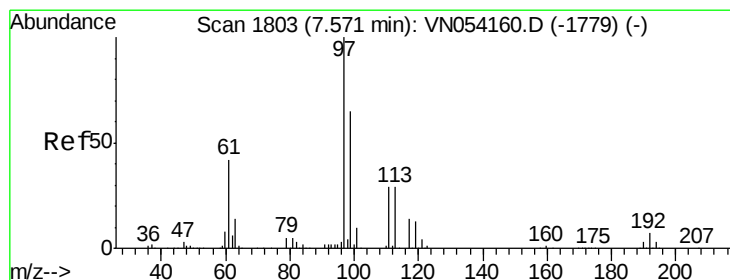
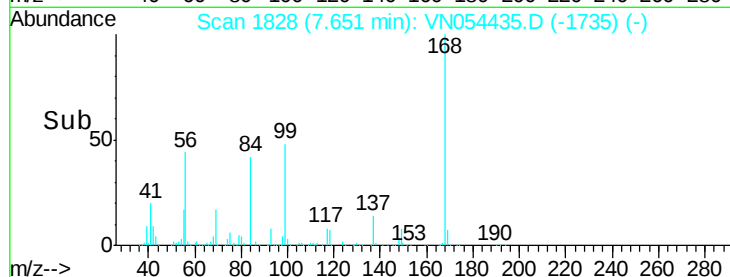
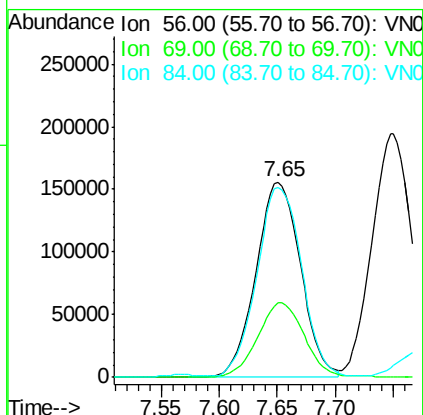
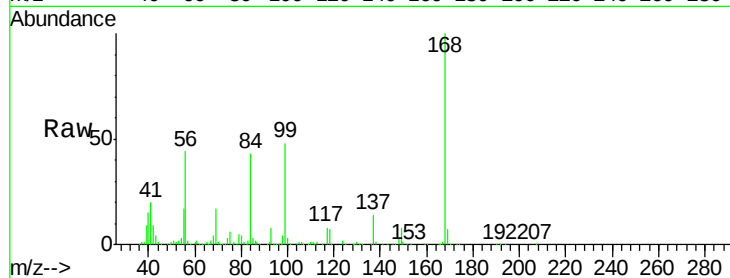




#31
Cyclohexane
Concen: 18.187 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

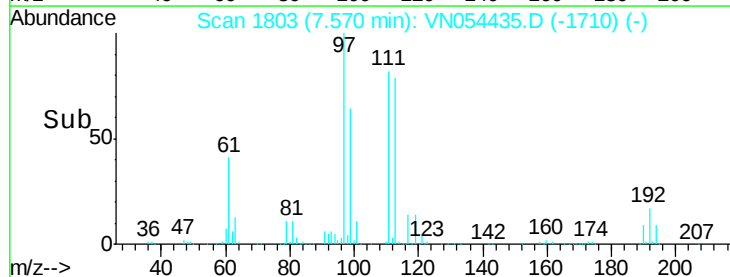
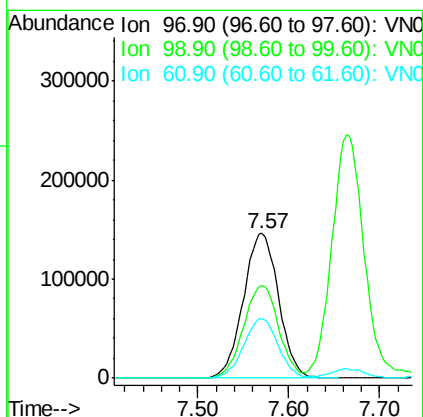
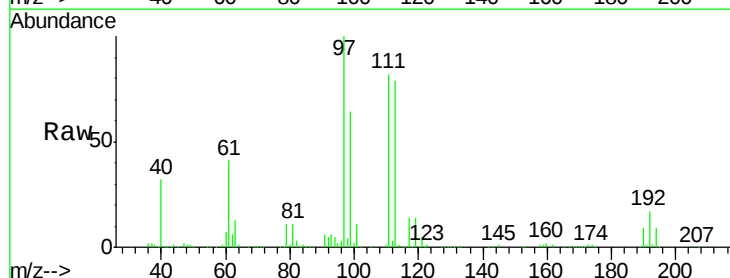
Instrument :
MSVOA_N
ClientSampled :

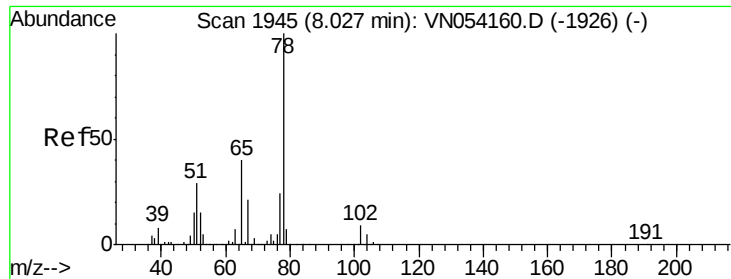
Tot Ion: 56 Resp: 417287
Ion Ratio Lower Upper
56 100
69 38.1 27.8 41.6
84 96.2 74.6 111.8



#32
1,1,1-Trichloroethane
Concen: 17.675 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 97 Resp: 391952
Ion Ratio Lower Upper
97 100
99 63.8 51.5 77.3
61 40.2 33.6 50.4

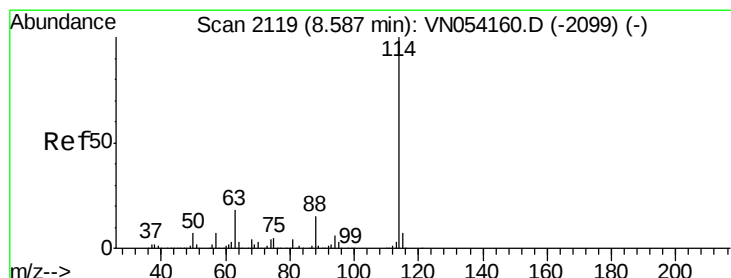
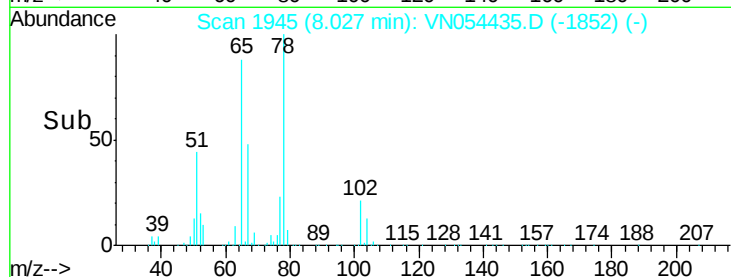
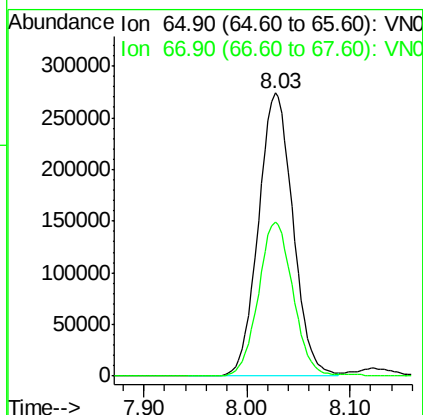
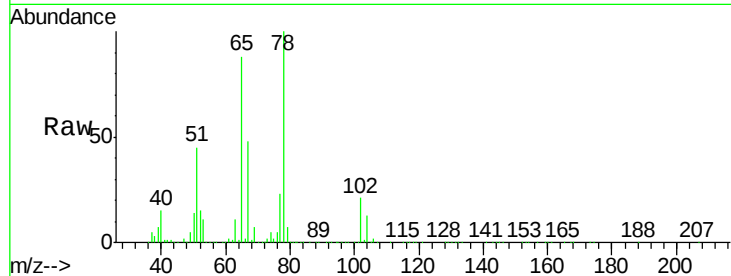




#33
 1,2-Dichloroethane-d4
 Concen: 43.493 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

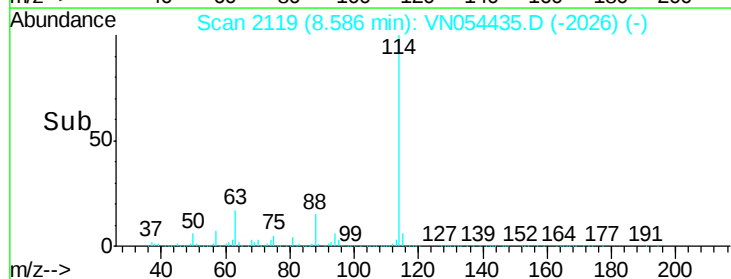
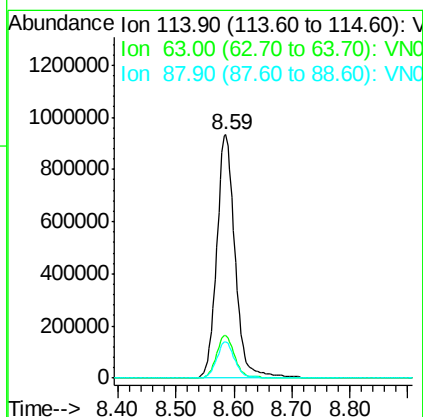
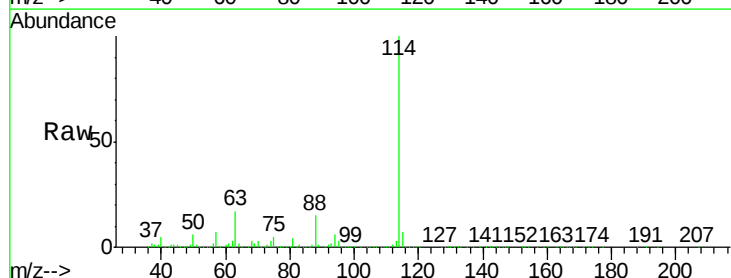
Instrument :
 MSVOA_N
 ClientSampleId :

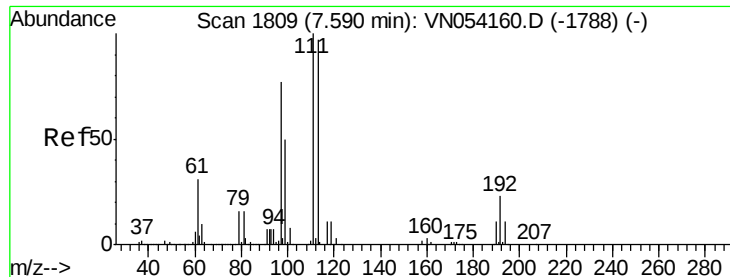
Tot Ion: 65 Resp: 636294
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

Tgt Ion: 114 Resp: 2044231
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.2
 88 15.0 0.0 30.2

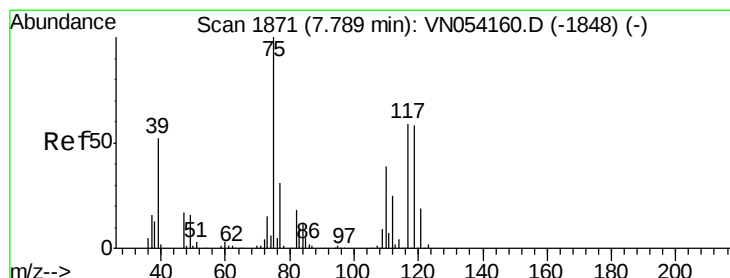
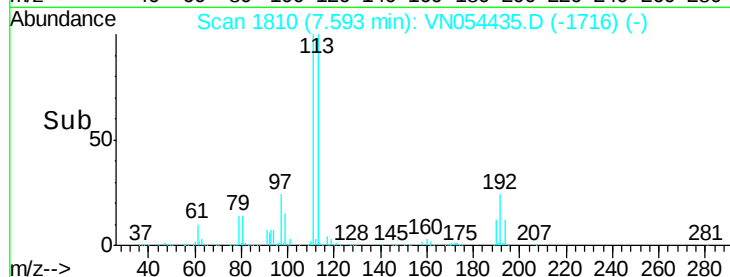
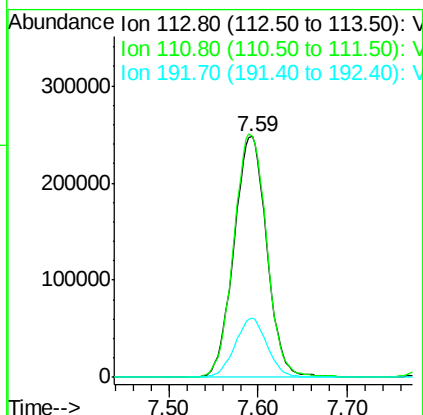
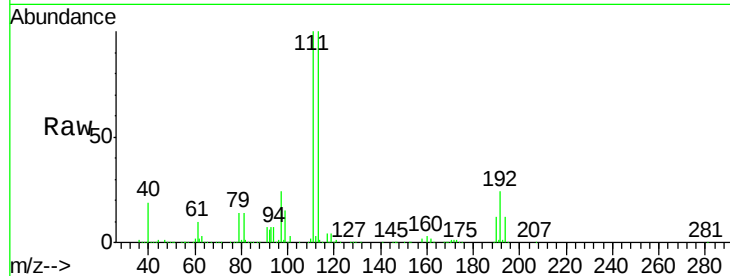




#35
 Dibromofluoromethane
 Concen: 48.047 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

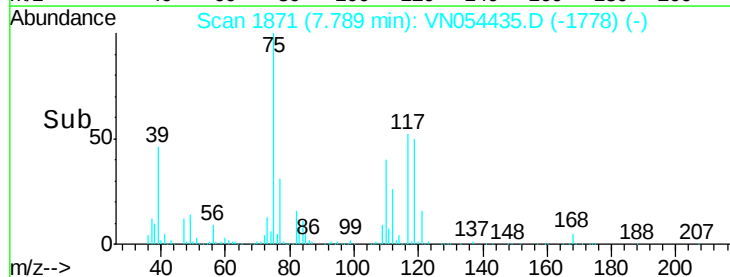
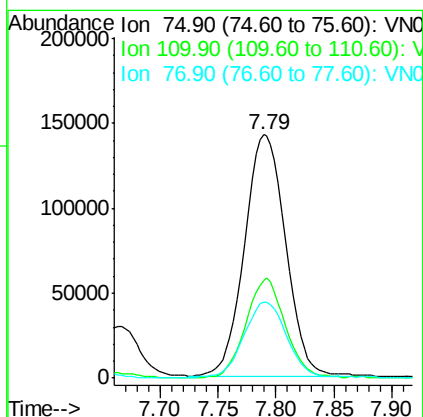
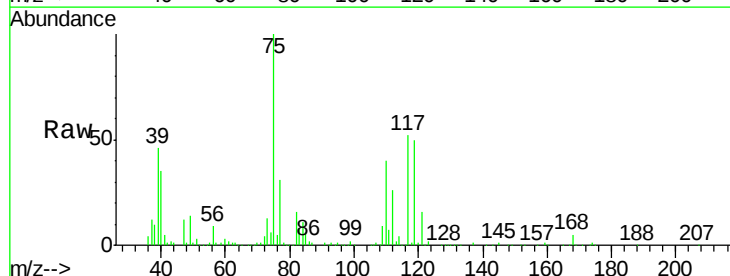
Instrument :
 MSVOA_N
 ClientSampleId :

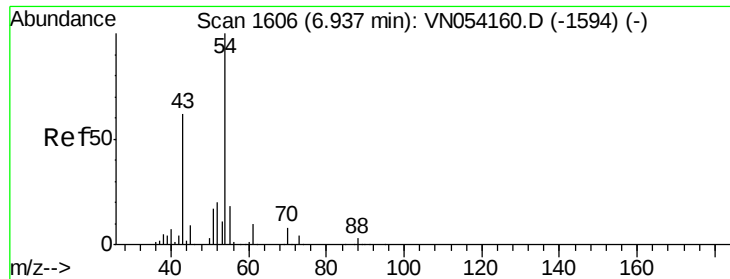
Tot Ion:113 Resp: 633471
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.2 123.4
 192 24.0 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 18.603 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

Tgt Ion: 75 Resp: 350218
 Ion Ratio Lower Upper
 75 100
 110 40.0 19.1 57.5
 77 32.3 25.0 37.4

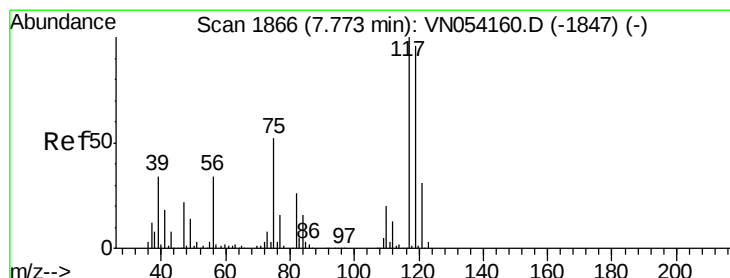
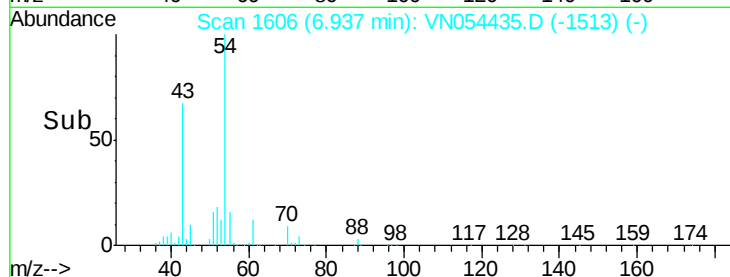
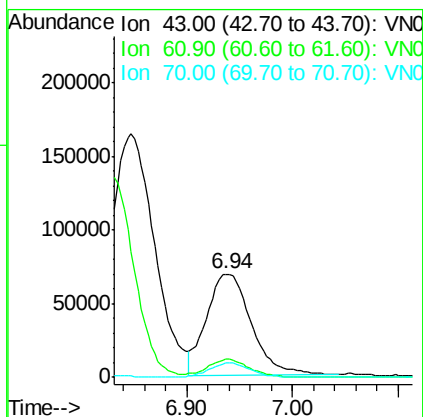
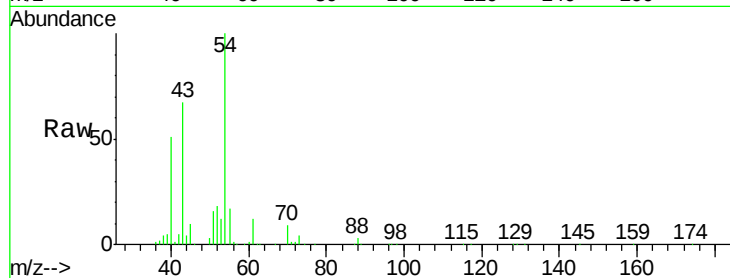




#37
Ethyl Acetate
Concen: 18.682 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

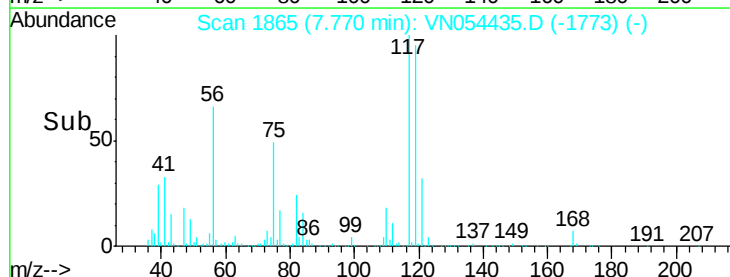
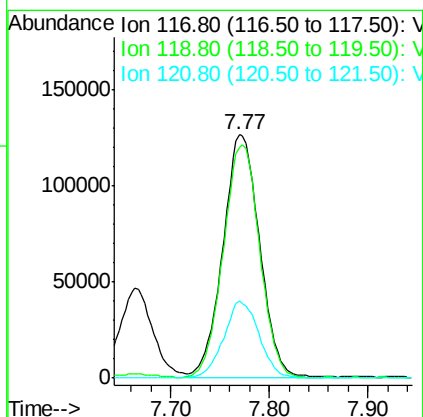
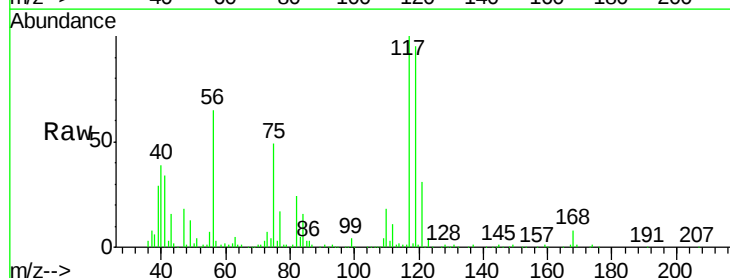
Instrument :
MSVOA_N
ClientSampled :

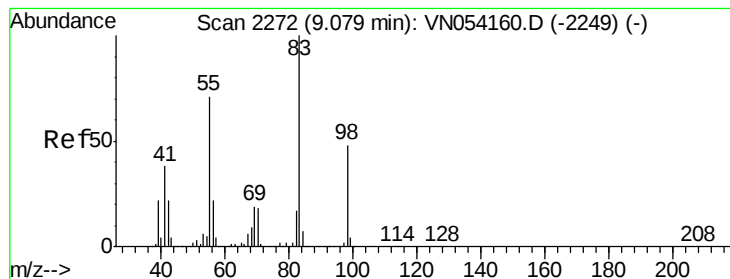
Tot Ion: 43 Resp: 202081
Ion Ratio Lower Upper
43 100
61 16.6 11.8 17.6
70 13.0 8.4 12.6#



#38
Carbon Tetrachloride
Concen: 16.546 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 117 Resp: 326650
Ion Ratio Lower Upper
117 100
119 95.0 76.3 114.5
121 31.6 24.6 36.8





#39

Methvlcvclohexane

Concen: 18.294 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :

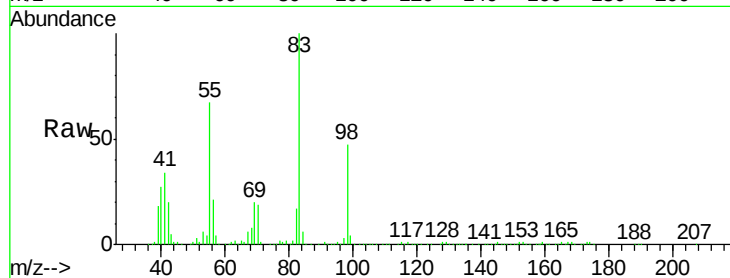
Tot Ion: 83 Resp: 423740

Ion Ratio Lower Upper

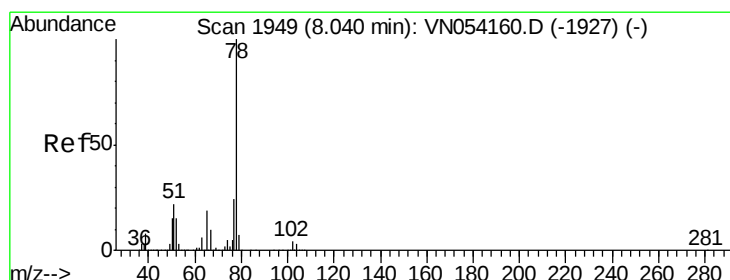
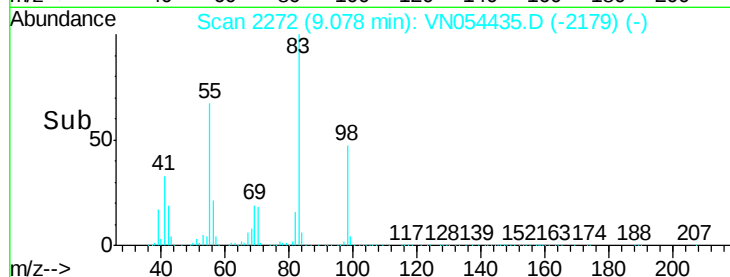
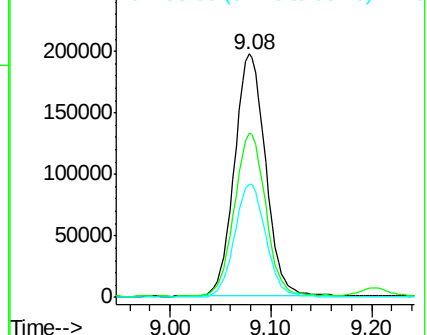
83 100

55 67.1 56.6 84.8

98 46.9 38.4 57.6



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



#40

Benzene

Concen: 20.501 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054435.D

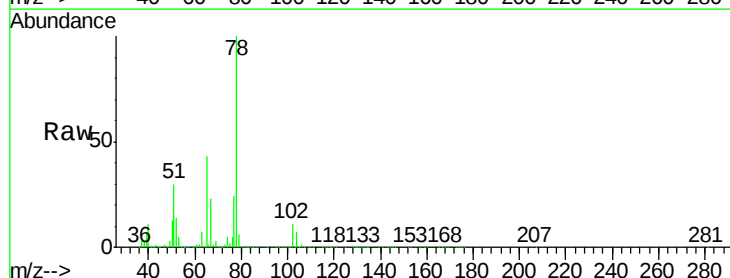
Acq: 19 Mar 2019 12:41

Tgt Ion: 78 Resp: 1104403

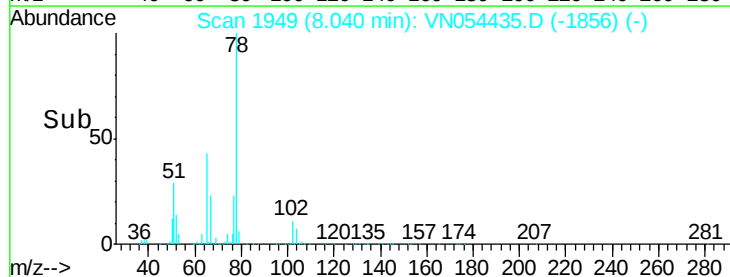
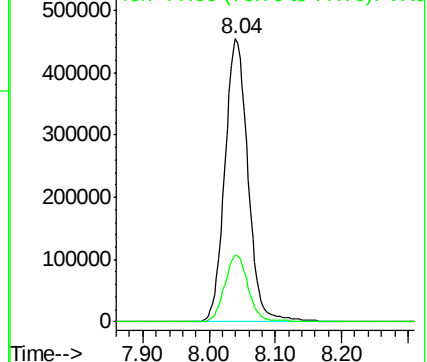
Ion Ratio Lower Upper

78 100

77 23.5 19.1 28.7



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

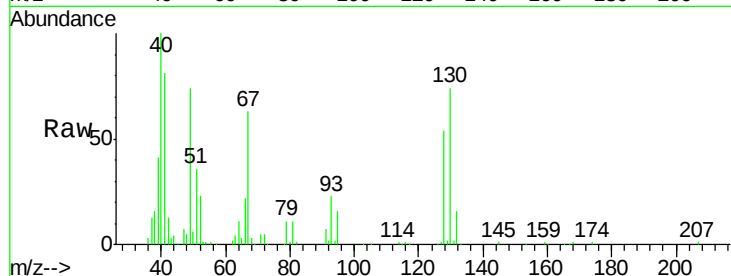




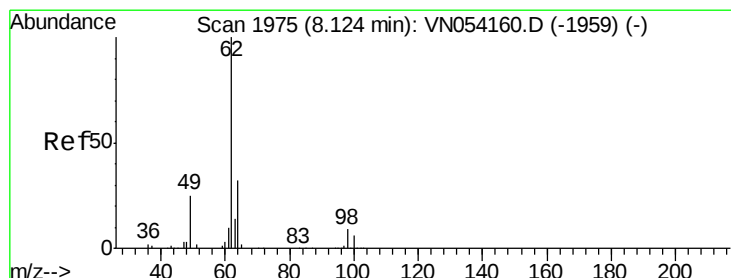
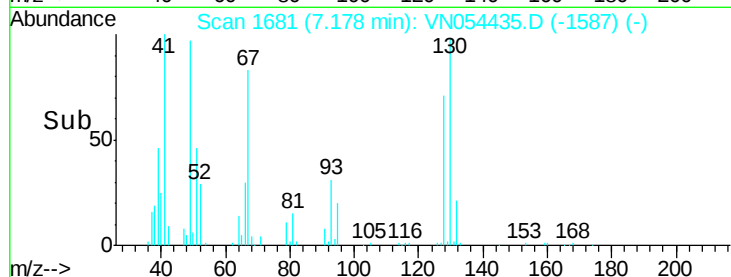
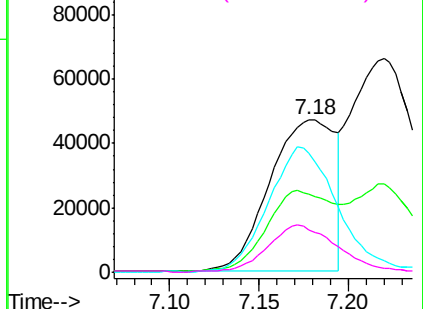
#41
Methacrylonitrile
Concen: 19.447 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	120106
Ion	Ratio	Lower	Upper
41	100		
39	56.2	46.8	70.2
67	87.4	67.0	100.4
52	32.3	26.5	39.7

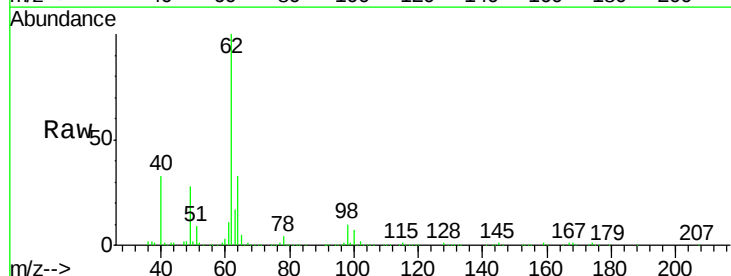


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

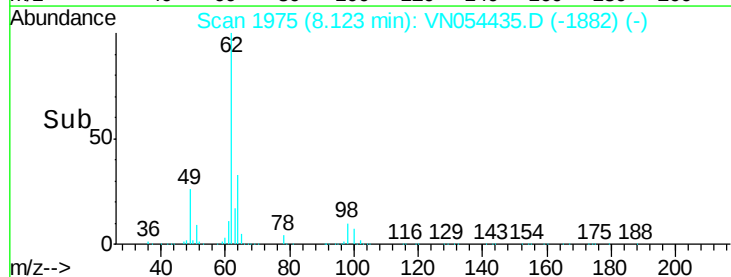
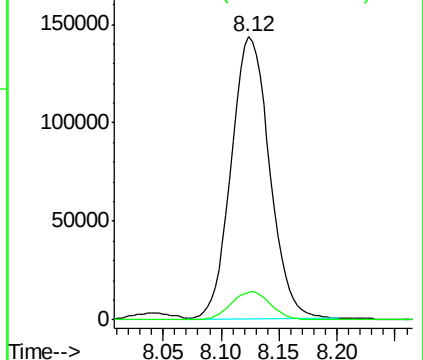


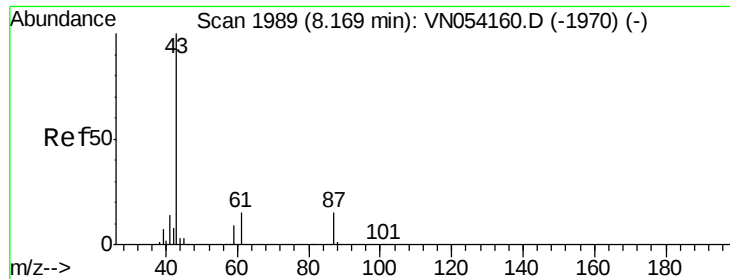
#42
1,2-Dichloroethane
Concen: 18.129 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion:	62	Resp:	329727
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.738 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

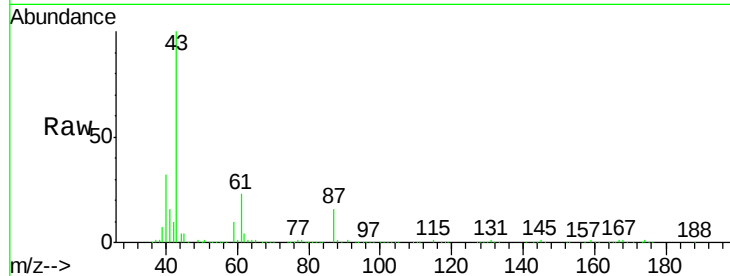
Tot Ion: 43 Resp: 336797

Ion Ratio Lower Upper

43 100

61 22.4 15.8 23.8

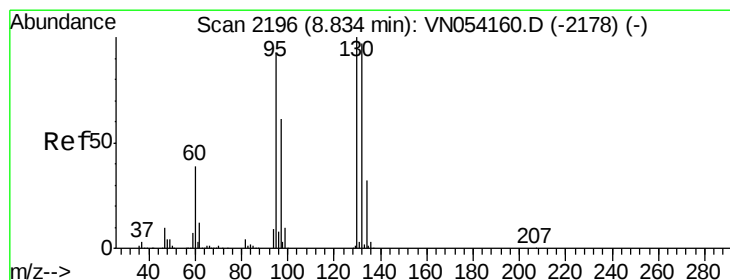
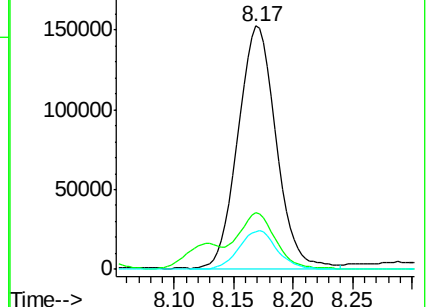
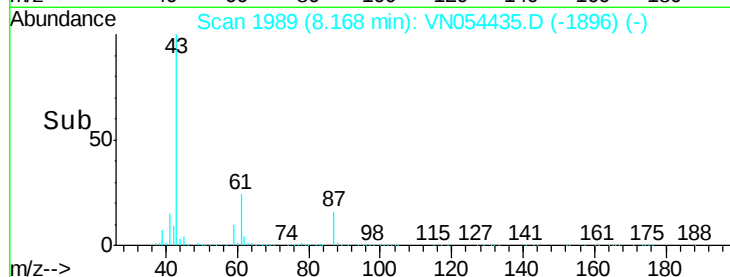
87 16.1 12.0 18.0



Abundance Ion 43.00 (42.70 to 43.70): VN054435.D (-1896) (-)

Ion 61.00 (60.70 to 61.70): VN054435.D (-1896) (-)

Ion 87.00 (86.70 to 87.70): VN054435.D (-1896) (-)



#44

Trichloroethene

Concen: 19.793 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN054435.D

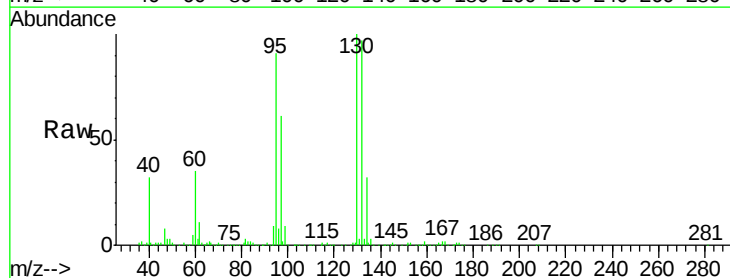
Acq: 19 Mar 2019 12:41

Tgt Ion: 130 Resp: 331235

Ion Ratio Lower Upper

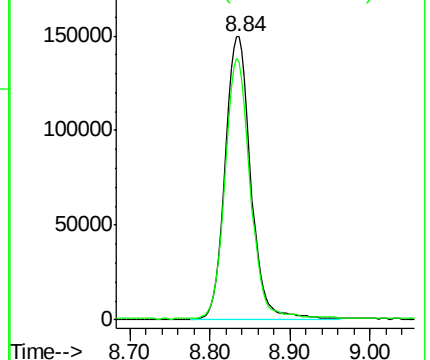
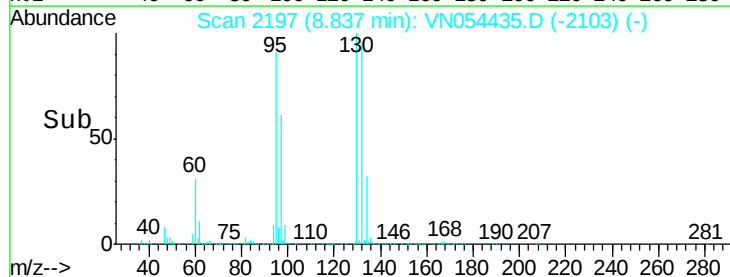
130 100

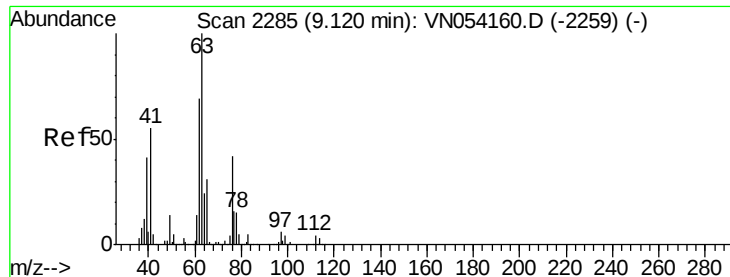
95 90.5 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054435.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN054435.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 21.094 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

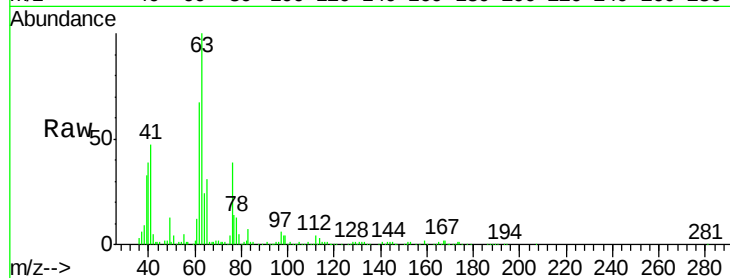
ClientSampleId :

Tot Ion: 63 Resp: 282173

Ion Ratio Lower Upper

63 100

65 30.4 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

9.12

150000

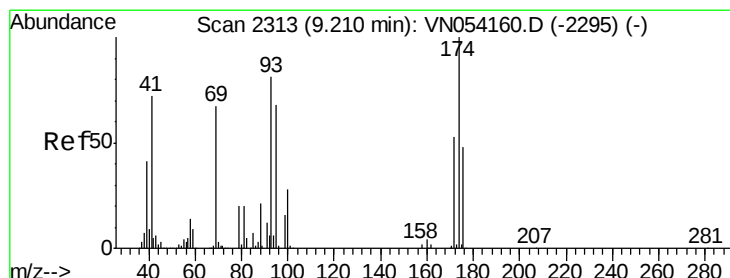
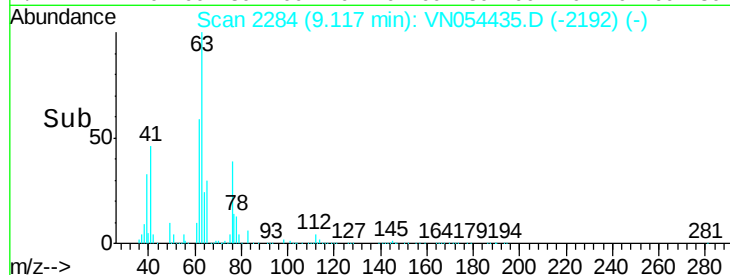
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 19.089 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

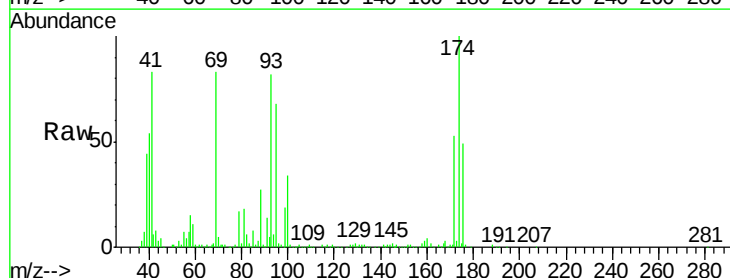
Tgt Ion: 93 Resp: 172527

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 123.0 98.5 147.7



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO

9.21

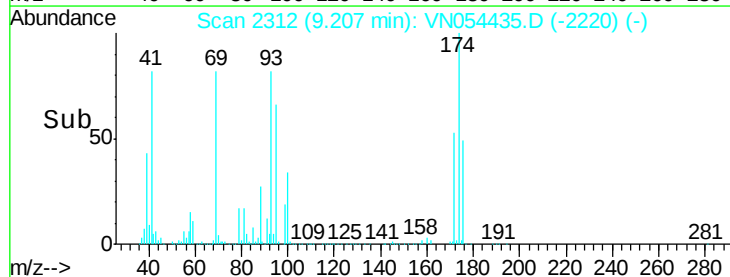
100000

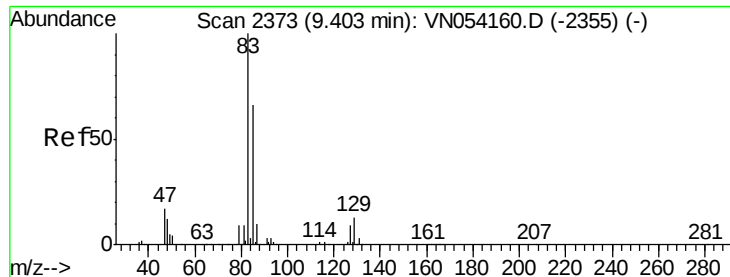
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 18.133 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampled :

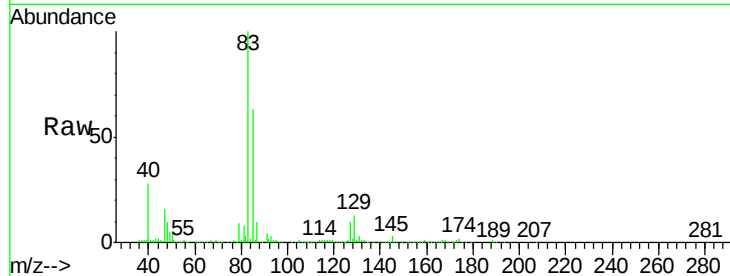
Tot Ion: 83 Resp: 328552

Ion Ratio Lower Upper

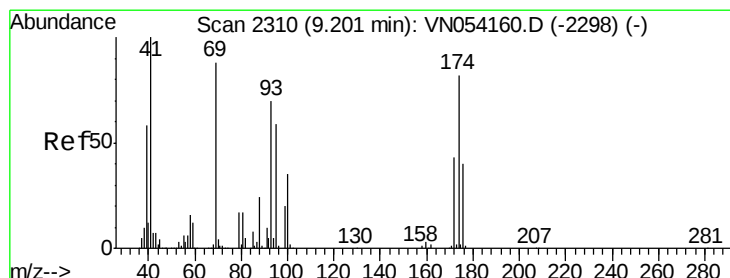
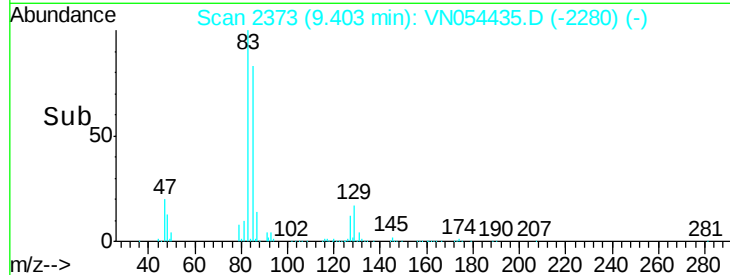
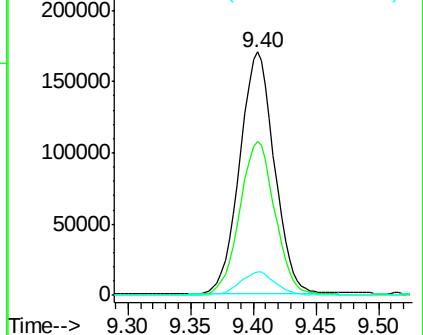
83 100

85 63.2 52.8 79.2

127 9.5 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): V



#48

Methyl methacrylate

Concen: 18.902 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

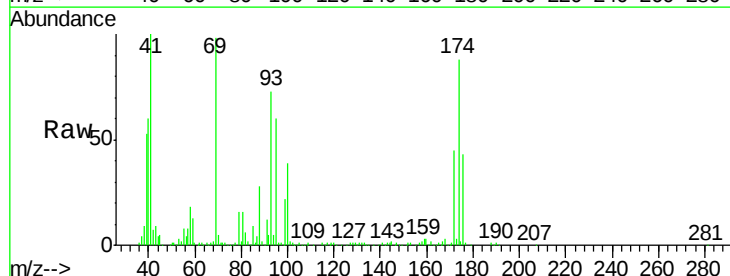
Tgt Ion: 41 Resp: 182127

Ion Ratio Lower Upper

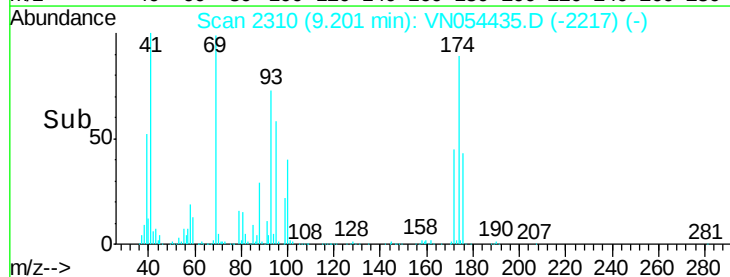
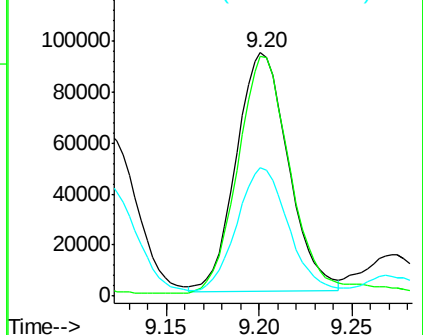
41 100

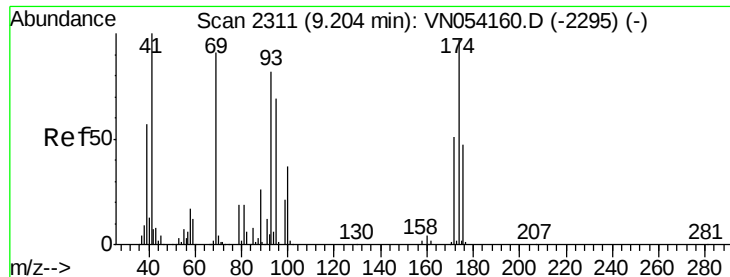
69 102.4 72.6 108.8

39 53.4 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: 426.289 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

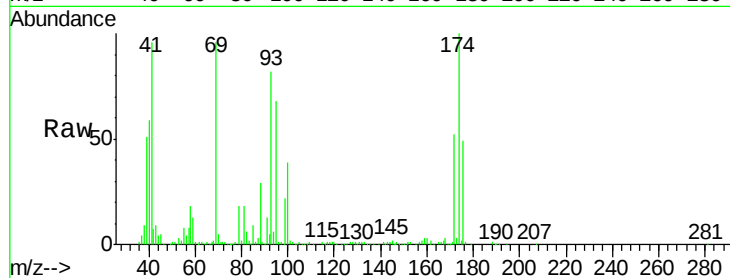
Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 58100

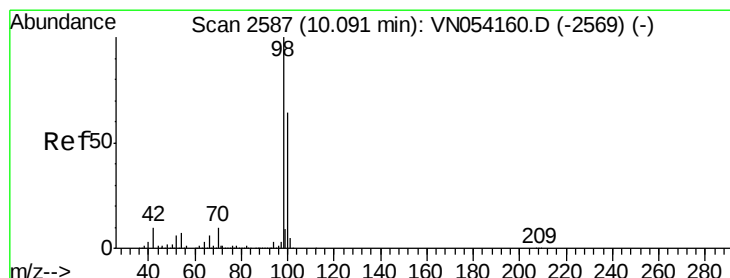
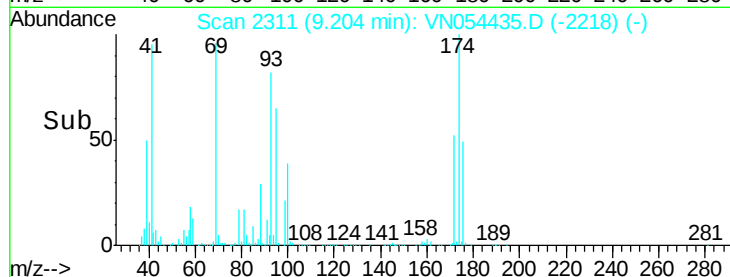
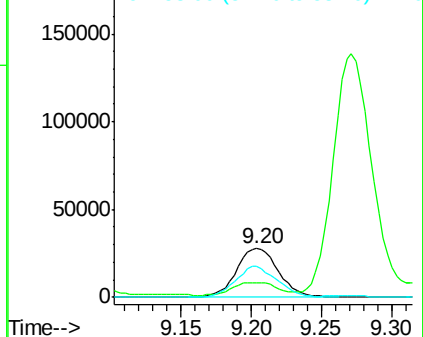
Ion	Ratio	Lower	Upper
88	100		
43	26.8	24.1	36.1
58	63.2	50.8	76.2



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: 48.016 ug/l

RT: 10.09 min Scan# 2587

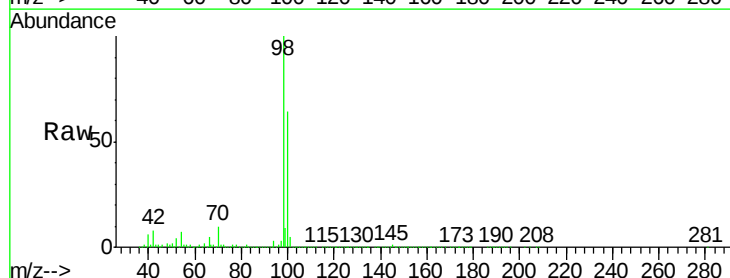
Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

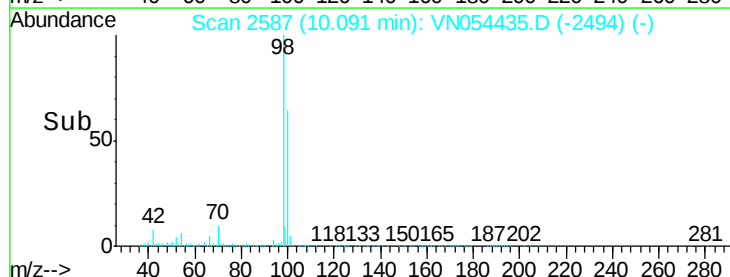
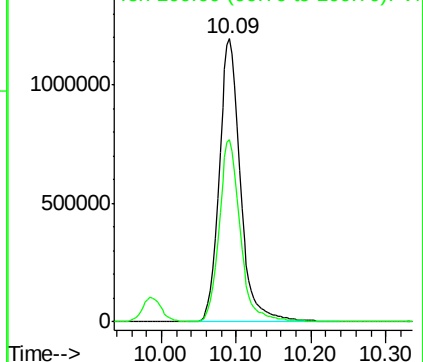
Tgt Ion: 98 Resp: 2338019

Ion	Ratio	Lower	Upper
98	100		
100	63.9	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: 100.952 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

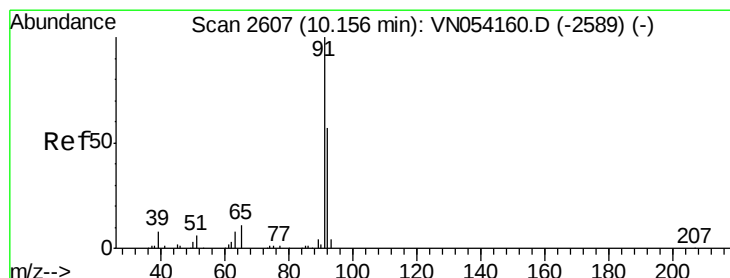
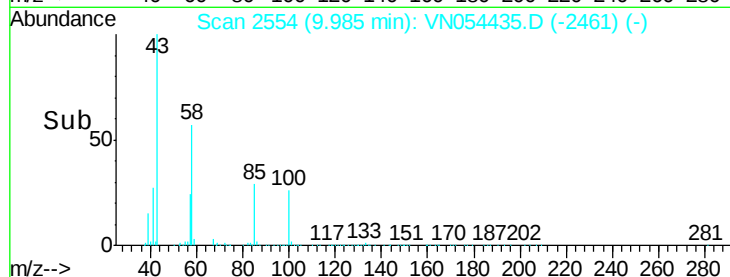
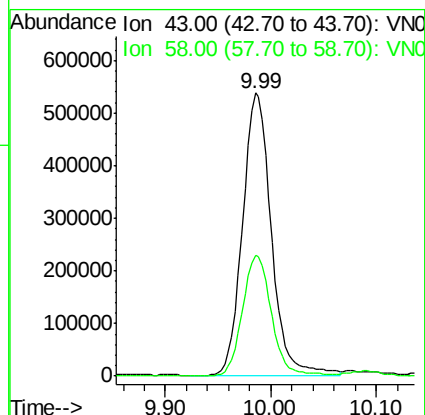
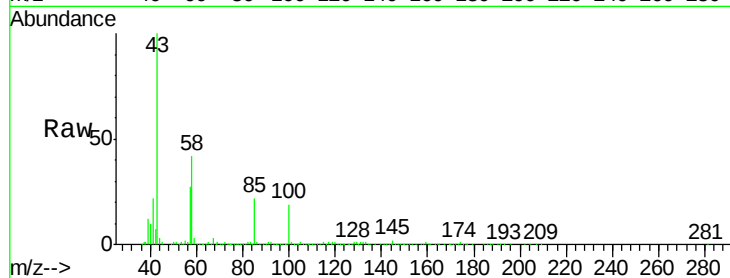
ClientSampled :

Tot Ion: 43 Resp: 1014356

Ion Ratio Lower Upper

43 100

58 43.4 31.8 47.6



#52

Toluene

Concen: 20.016 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054435.D

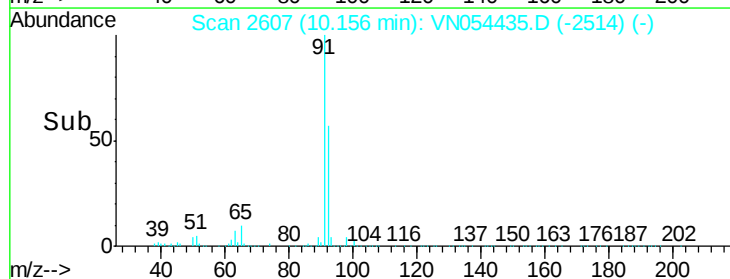
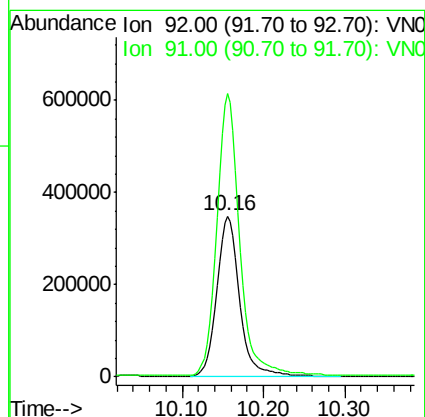
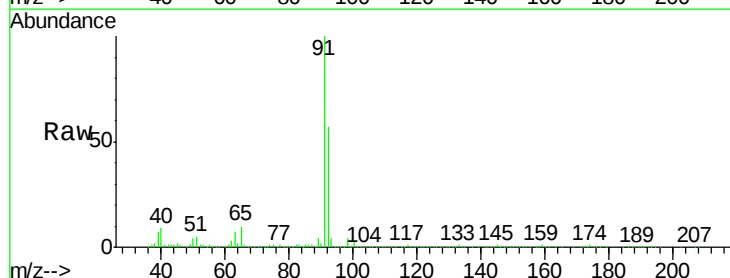
Acq: 19 Mar 2019 12:41

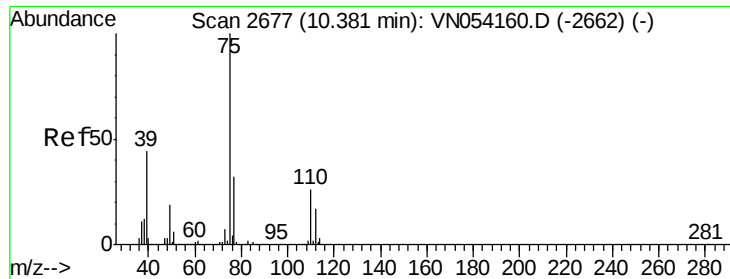
Tgt Ion: 92 Resp: 683709

Ion Ratio Lower Upper

92 100

91 174.7 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 15.628 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

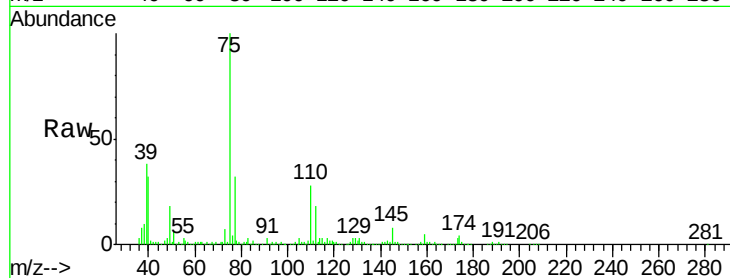
ClientSampleId :

Tot Ion: 75 Resp: 294401

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

150000

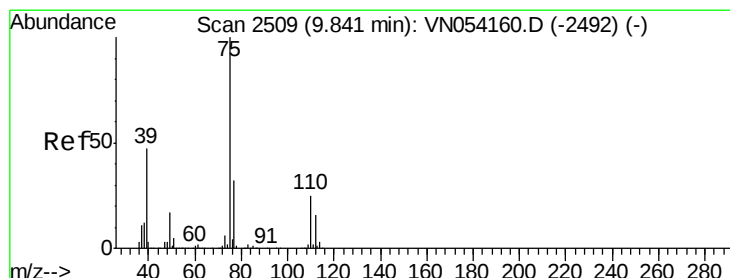
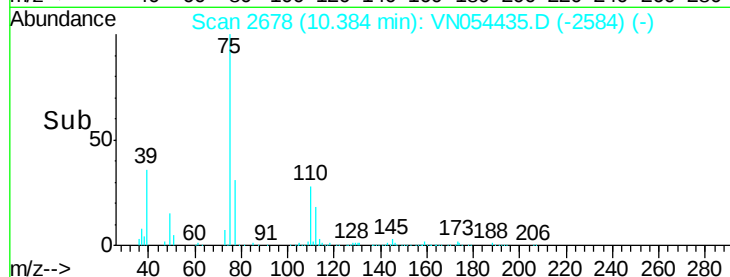
100000

50000

0

Time-->

10.30 10.40 10.50



#54

cis-1,3-Dichloropropene

Concen: 18.052 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

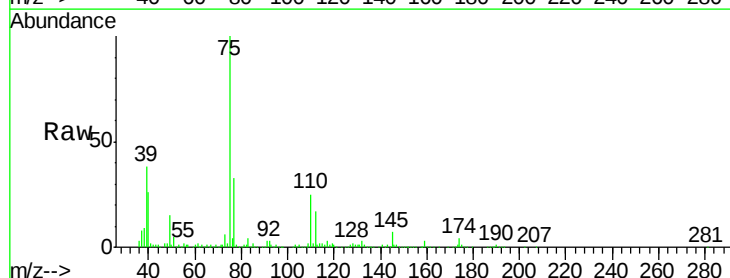
Tgt Ion: 75 Resp: 381151

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0

39 37.3 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

250000

200000

150000

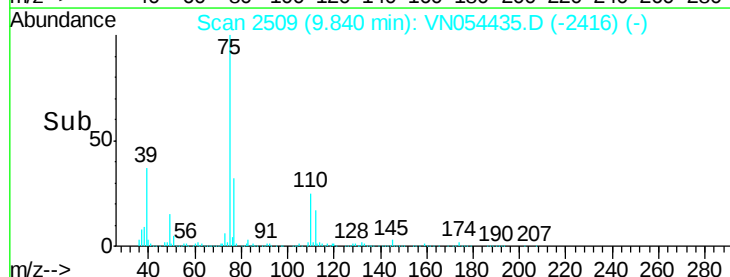
100000

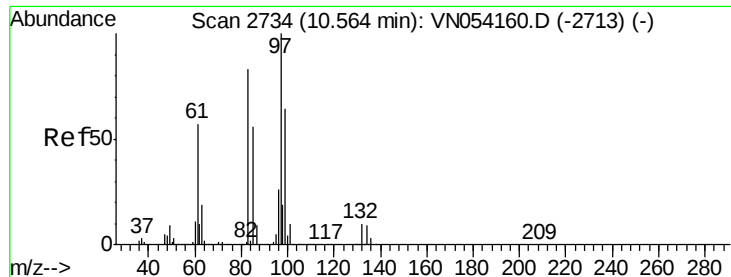
50000

0

Time-->

9.80 9.90

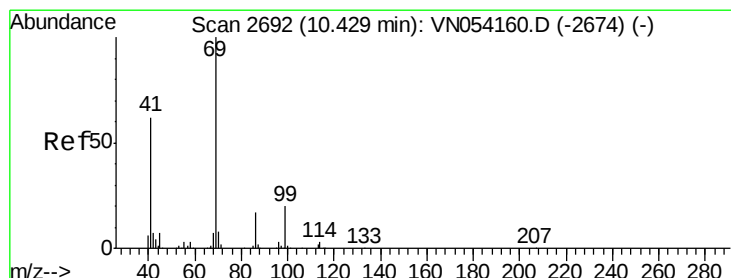
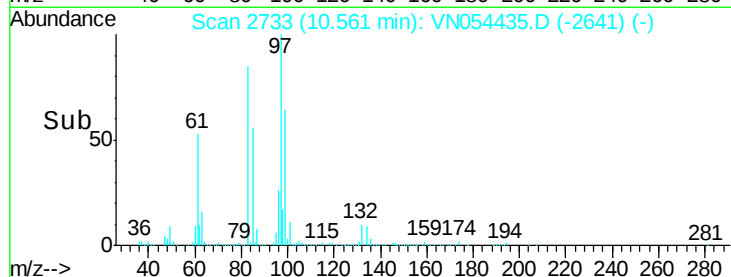
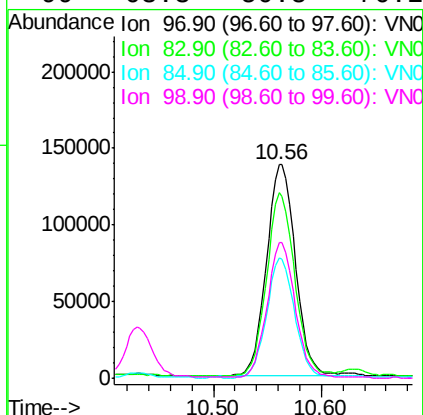
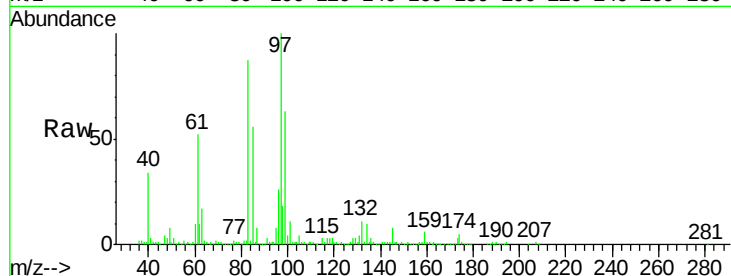




#55
 1,1,2-Trichloroethane
 Concen: 20.602 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

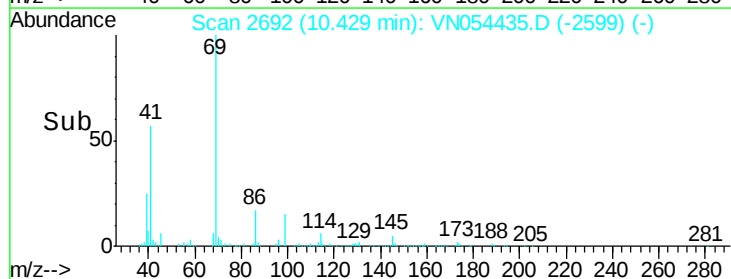
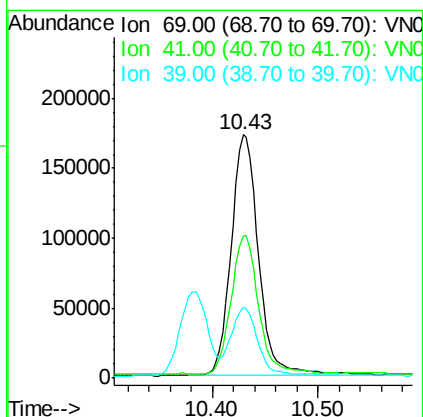
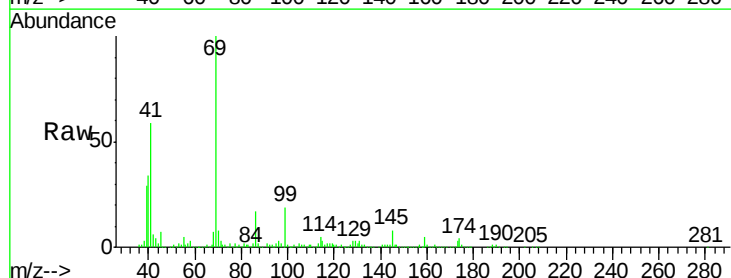
Instrument :
 MSVOA_N
 ClientSampleId :

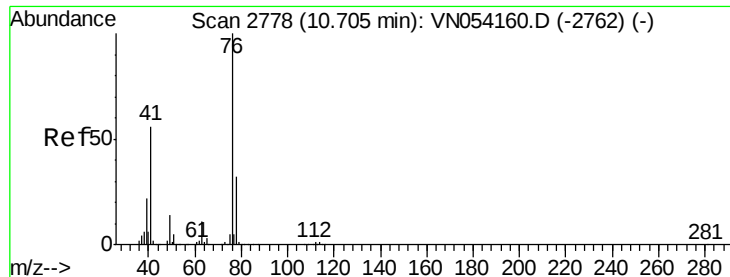
Tot Ion:	97	Resp:	256956
Ion	Ratio	Lower	Upper
97	100		
83	86.6	66.6	100.0
85	56.4	44.4	66.6
99	63.3	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 20.762 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

Tgt Ion:	69	Resp:	308769
Ion	Ratio	Lower	Upper
69	100		
41	57.2	49.4	74.2
39	28.3	28.3	42.5#





#57

1,3-Dichloropropane

Concen: 20.546 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

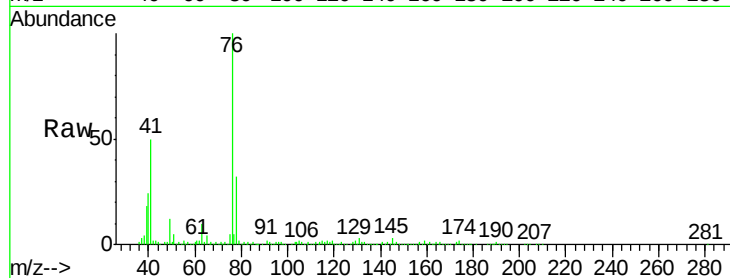
ClientSampled :

Tot Ion: 76 Resp: 419012

Ion Ratio Lower Upper

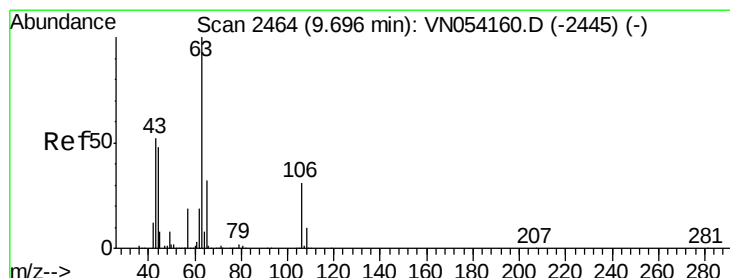
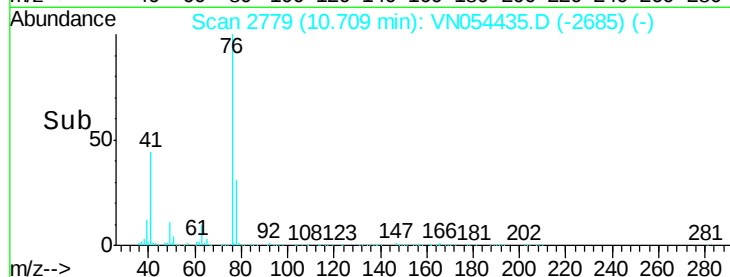
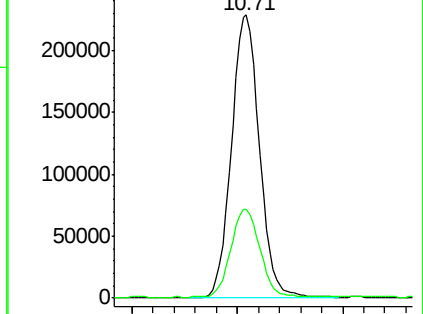
76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 107.336 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054435.D

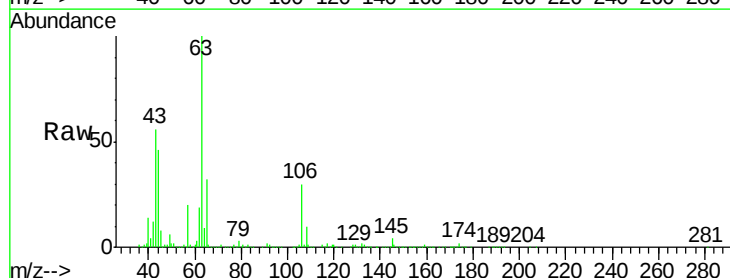
Acq: 19 Mar 2019 12:41

Tgt Ion: 63 Resp: 626105

Ion Ratio Lower Upper

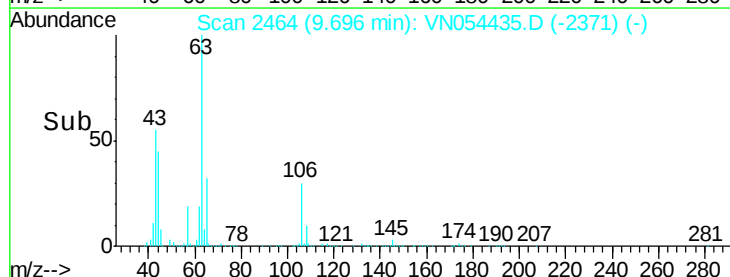
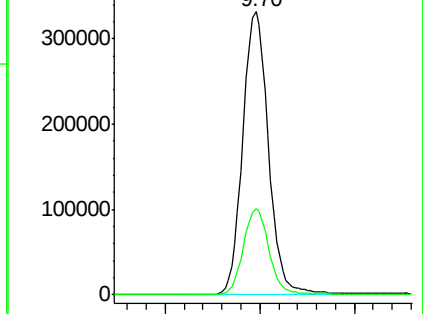
63 100

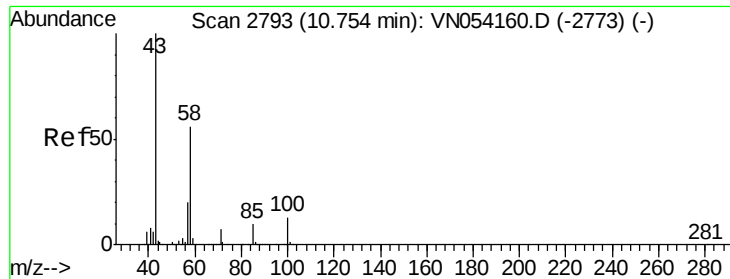
106 30.0 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

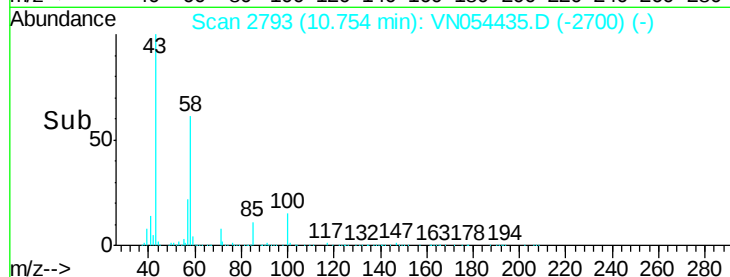
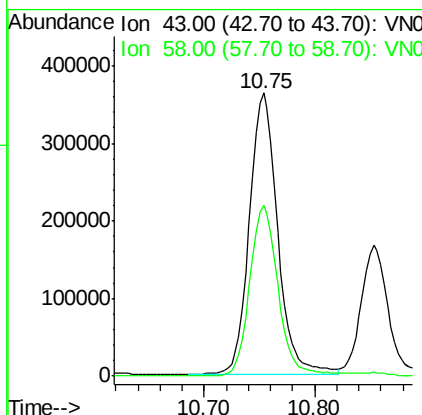
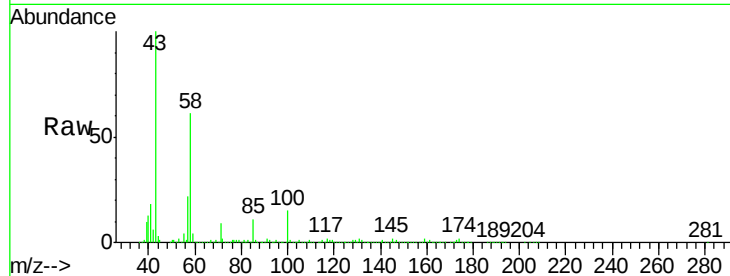




#59
2-Hexanone
Concen: 96.868 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

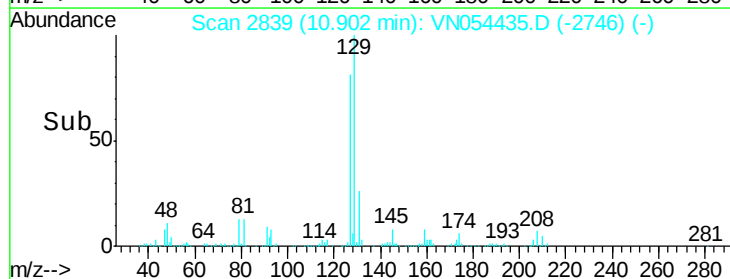
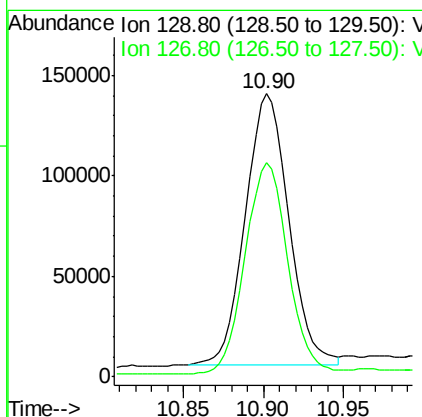
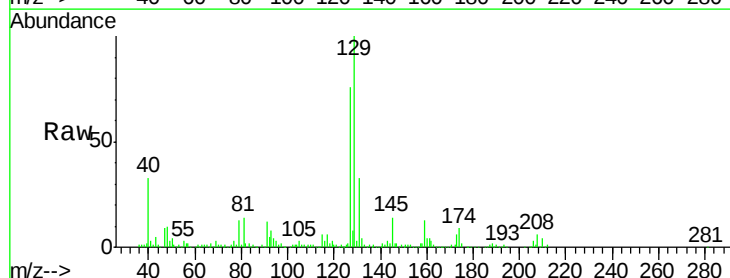
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 647648
Ion Ratio Lower Upper
43 100
58 61.1 28.0 83.9



#60
Dibromochloromethane
Concen: 17.759 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 129 Resp: 249312
Ion Ratio Lower Upper
129 100
127 77.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.411 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

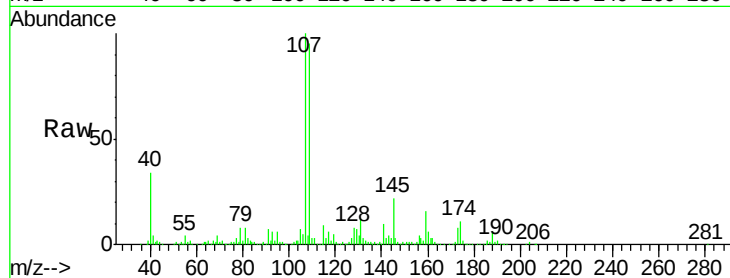
ClientSampleId :

Tot Ion:107 Resp: 258708

Ion Ratio Lower Upper

107 100

109 92.5 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

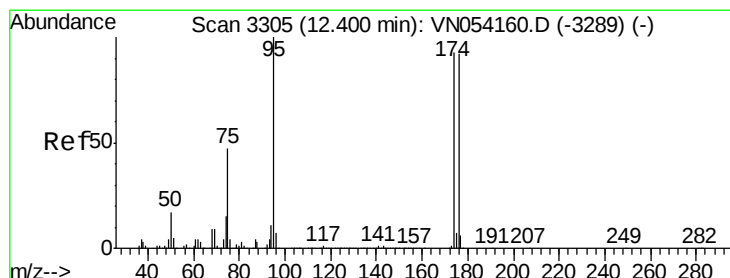
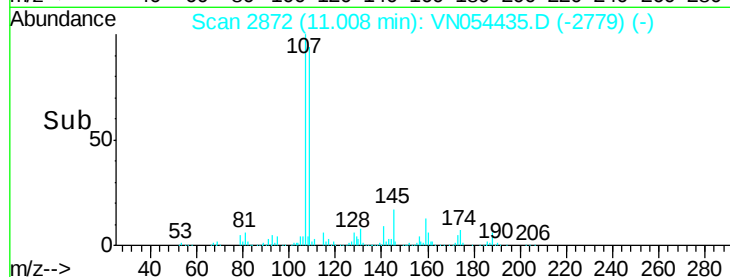
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 46.125 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

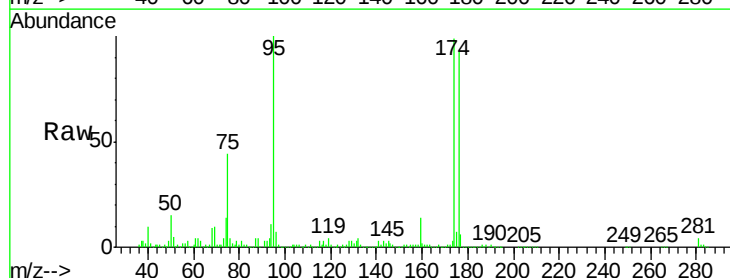
Tgt Ion: 95 Resp: 785850

Ion Ratio Lower Upper

95 100

174 96.5 0.0 191.0

176 93.9 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

600000

500000

400000

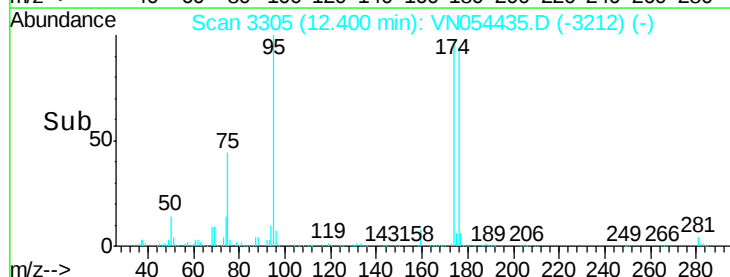
300000

200000

100000

0

Time--> 12.30 12.40 12.50

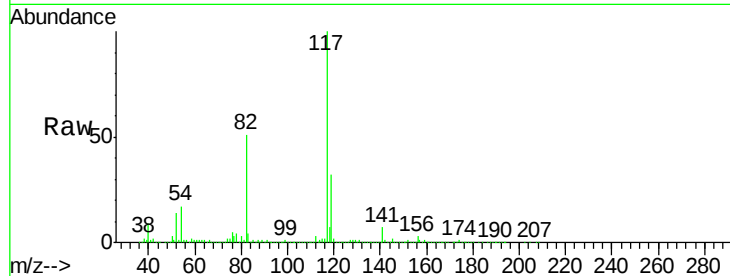




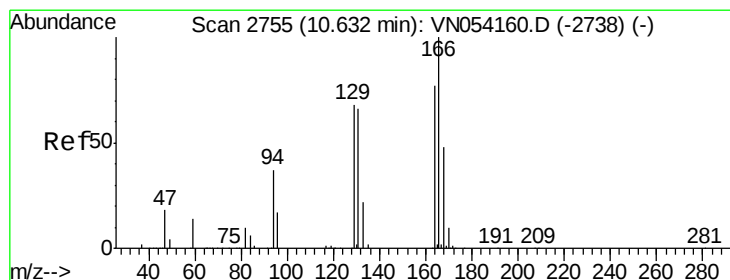
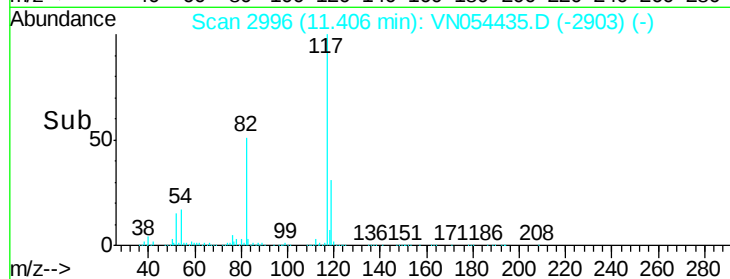
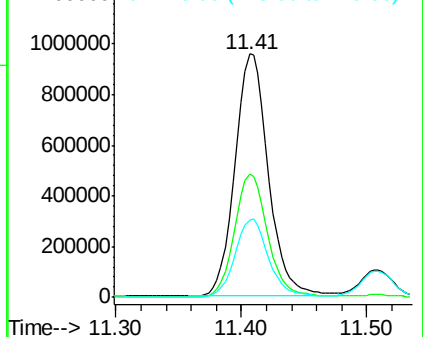
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1767635
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 31.8 25.8 38.6

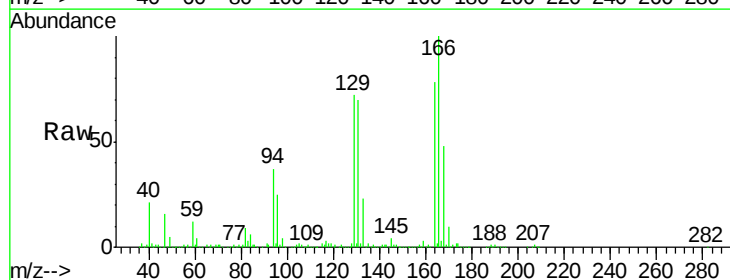


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

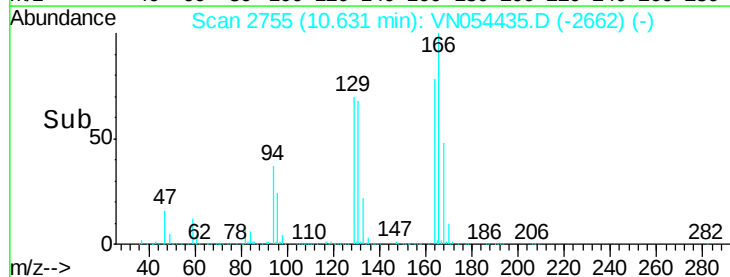
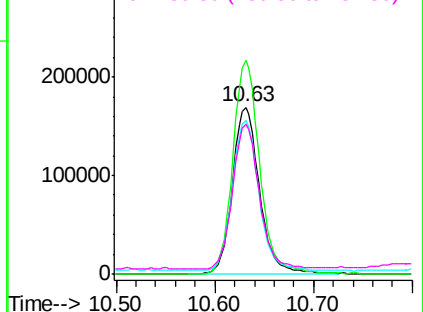


#64
Tetrachloroethene
Concen: 18.865 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion:164 Resp: 322405
Ion Ratio Lower Upper
164 100
166 127.9 103.9 155.9
129 89.6 71.1 106.7
131 86.9 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: 20.475 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

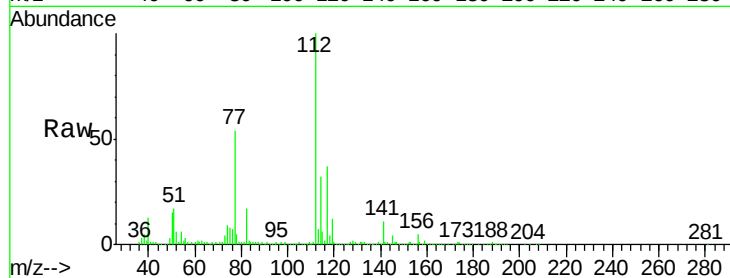
ClientSampled :

Tot Ion:112 Resp: 794690

Ion Ratio Lower Upper

112 100

114 31.9 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

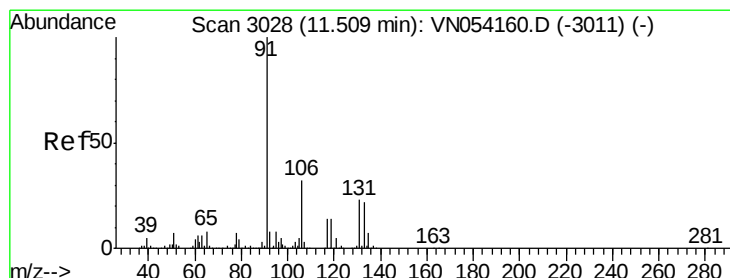
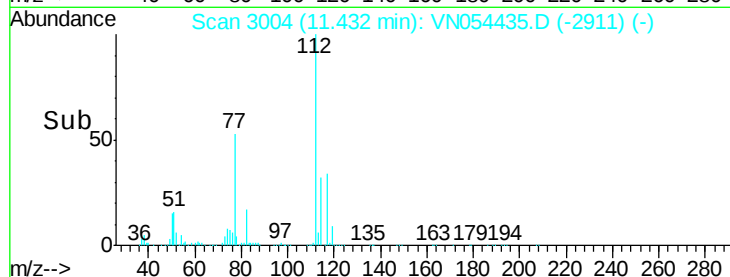
300000

200000

100000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 19.587 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

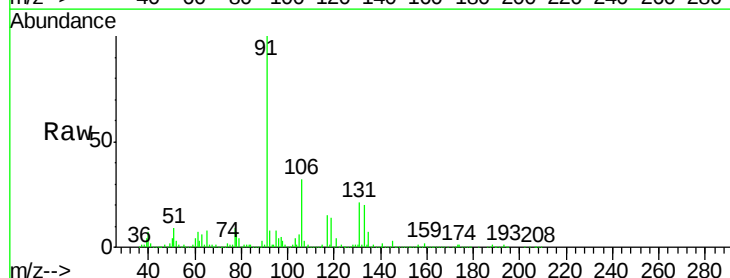
Tgt Ion:131 Resp: 276164

Ion Ratio Lower Upper

131 100

133 91.4 47.6 142.9

119 63.4 32.4 97.0



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

400000

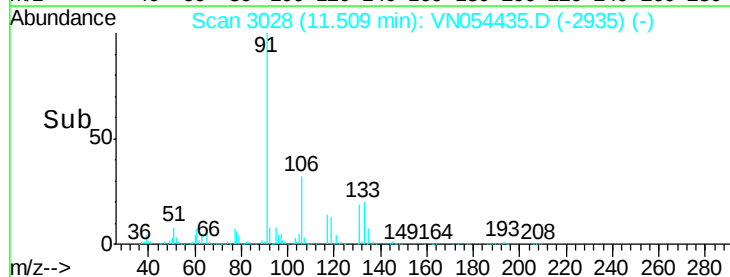
300000

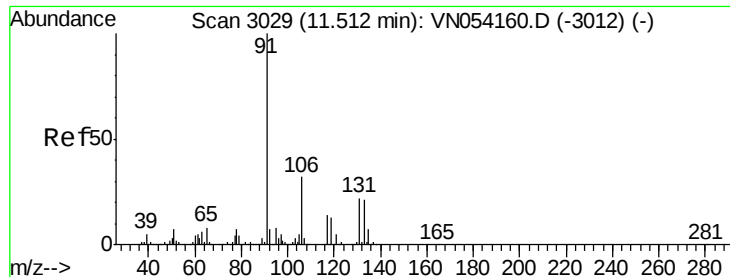
200000

100000

0

Time--> 11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 20.222 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

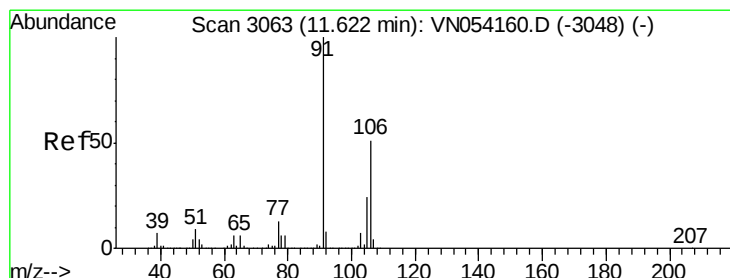
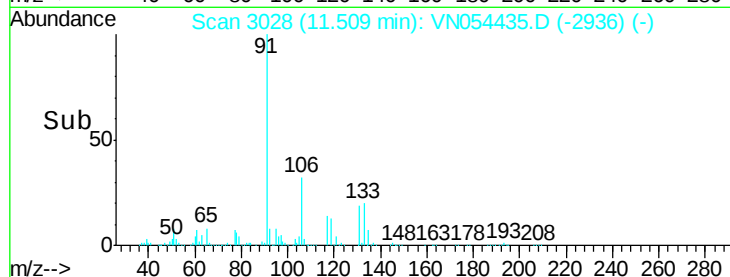
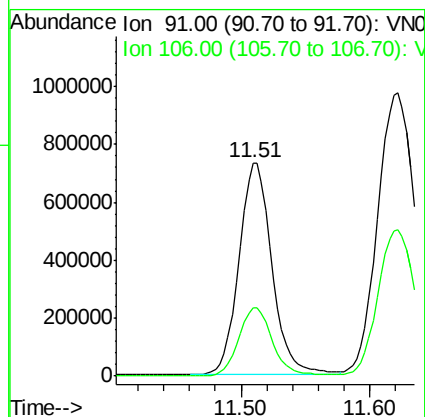
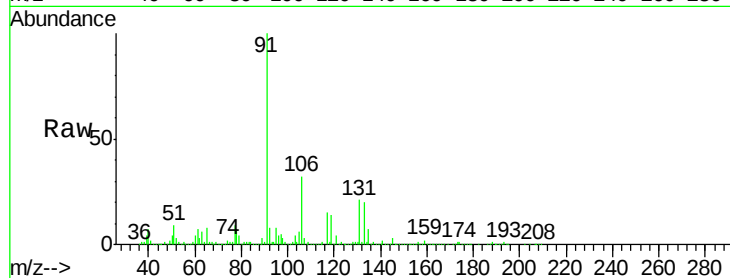
ClientSampleId :

Tot Ion: 91 Resp: 1301076

Ion Ratio Lower Upper

91 100

106 31.9 25.5 38.3



#68

m/p-Xylenes

Concen: 40.756 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054435.D

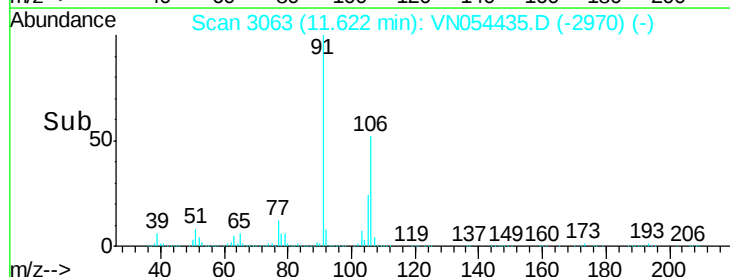
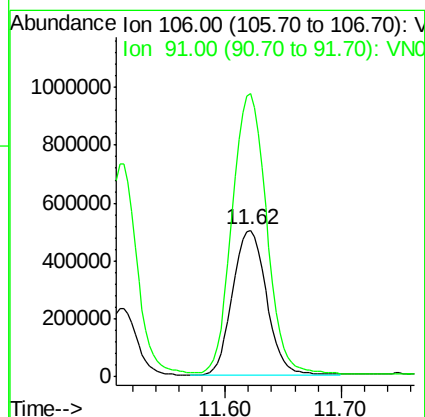
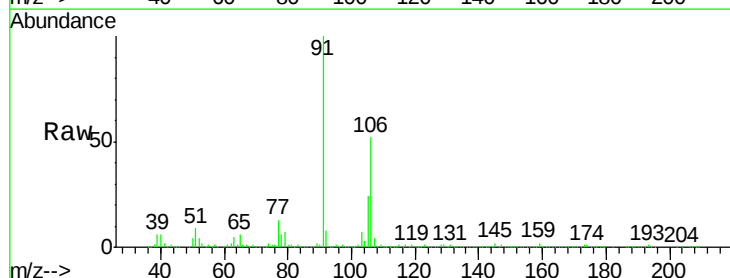
Acq: 19 Mar 2019 12:41

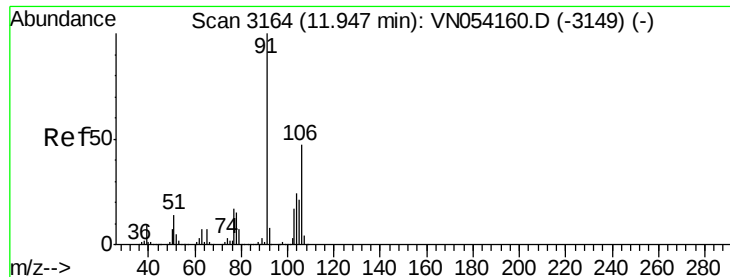
Tgt Ion: 106 Resp: 1024855

Ion Ratio Lower Upper

106 100

91 194.3 159.4 239.2

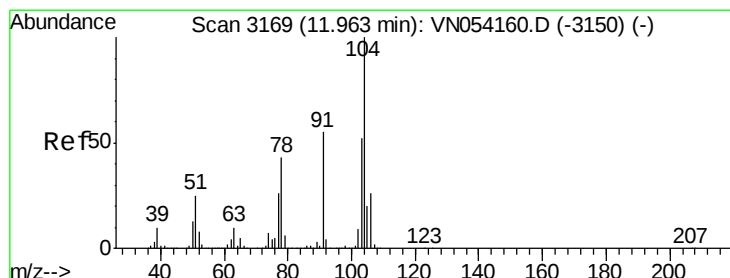
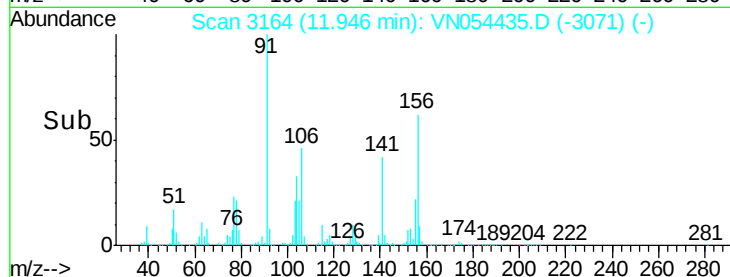
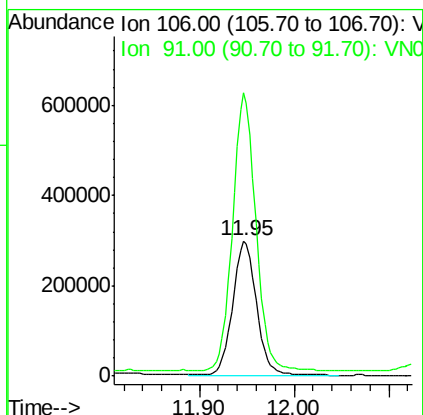
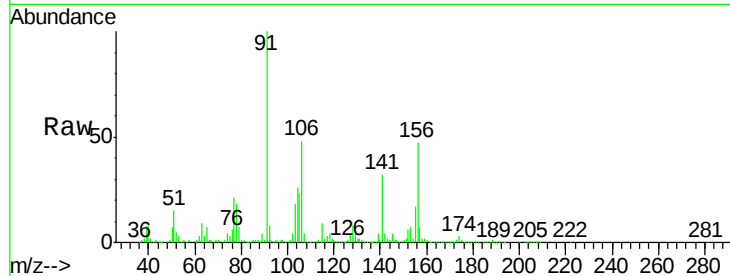




#69
o-Xylene
Concen: 21.193 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

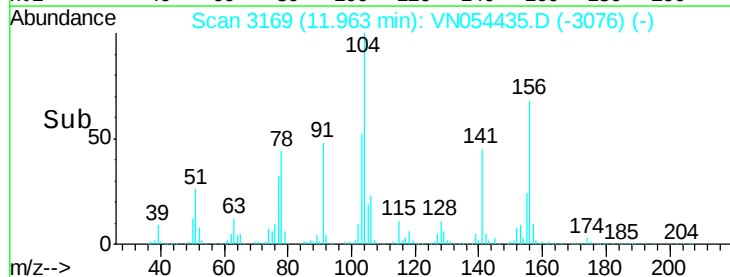
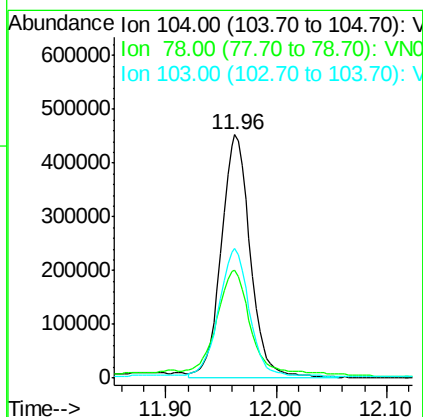
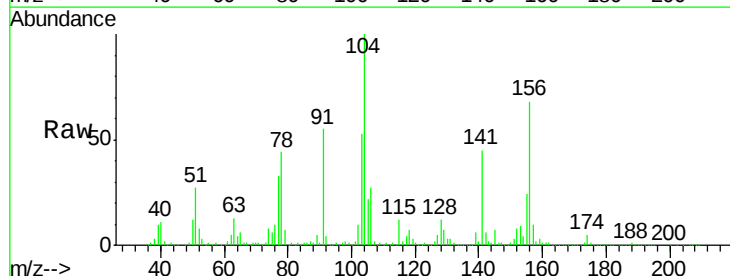
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 519522
Ion Ratio Lower Upper
106 100
91 201.3 105.7 317.1



#70
Styrene
Concen: 21.214 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion:104 Resp: 815598
Ion Ratio Lower Upper
104 100
78 49.5 38.2 57.2
103 54.7 44.4 66.6





#71

Bromoform

Concen: 16.197 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

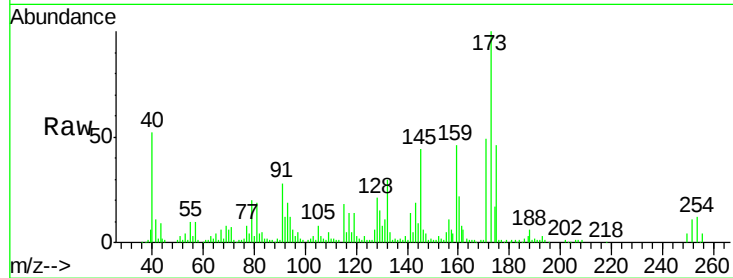
Tot Ion:173 Resp: 156157

Ion Ratio Lower Upper

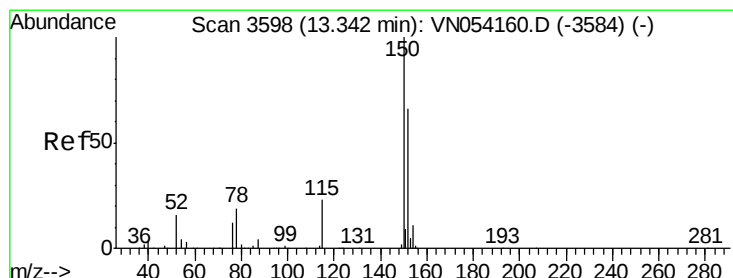
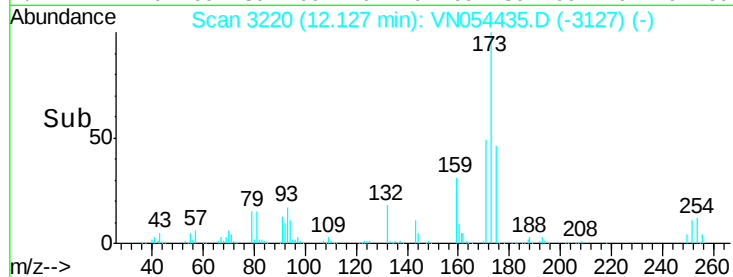
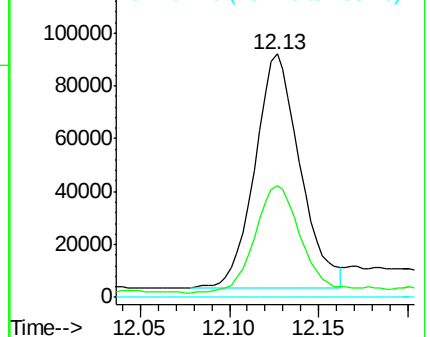
173 100

175 46.8 24.4 73.2

254 0.1 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

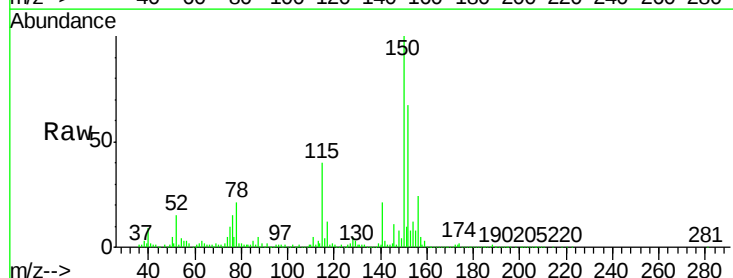
Tgt Ion:152 Resp: 917232

Ion Ratio Lower Upper

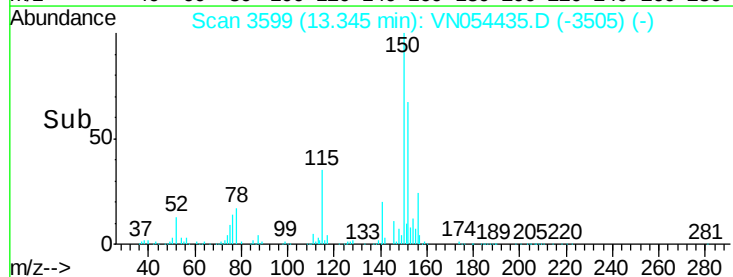
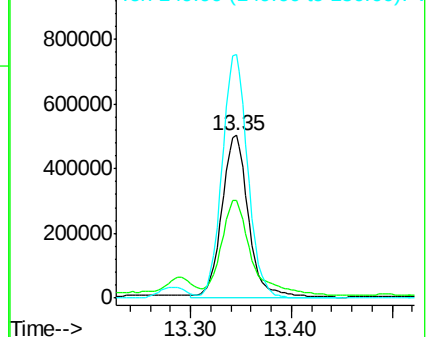
152 100

115 65.2 27.2 81.6

150 144.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.299 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

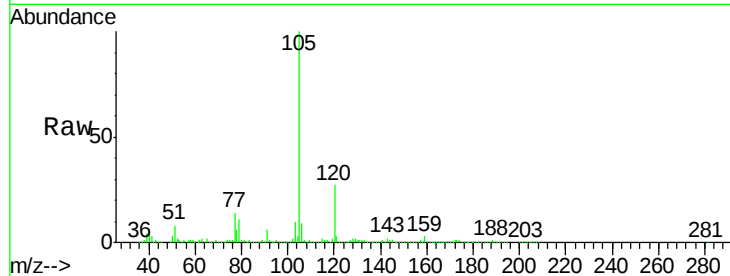
ClientSampled :

Tot Ion:105 Resp: 1342885

Ion Ratio Lower Upper

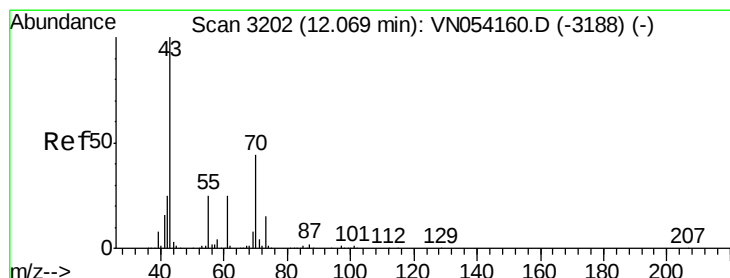
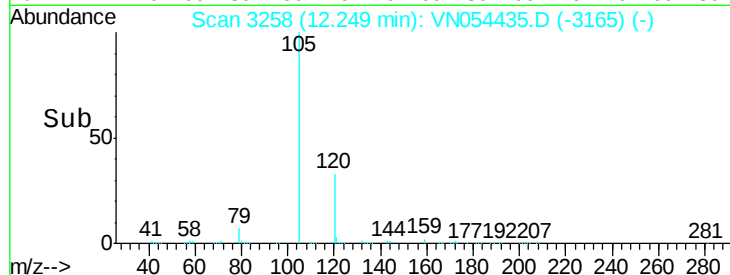
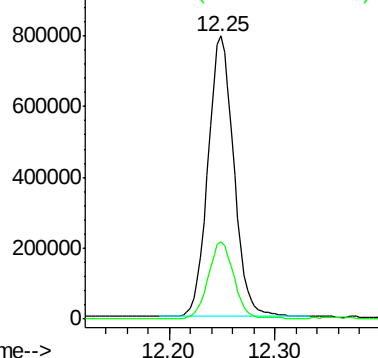
105 100

120 27.2 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: 17.502 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Tgt Ion: 43 Resp: 285090

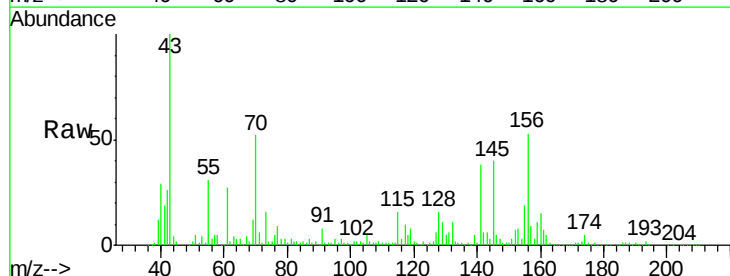
Ion Ratio Lower Upper

43 100

70 54.5 35.4 53.0#

55 28.1 19.8 29.6

61 27.0 19.8 29.6

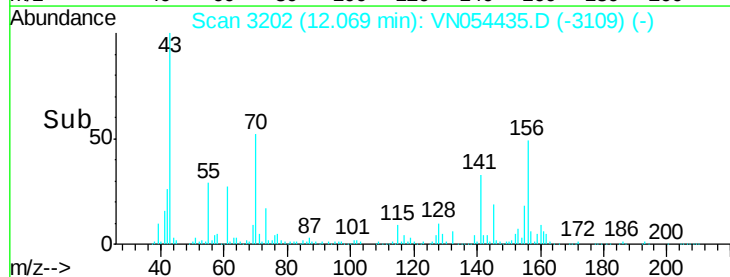
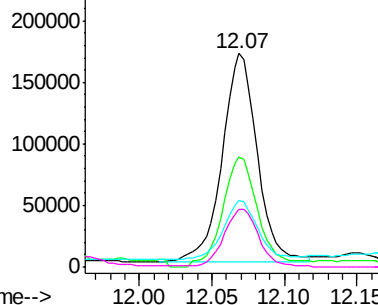


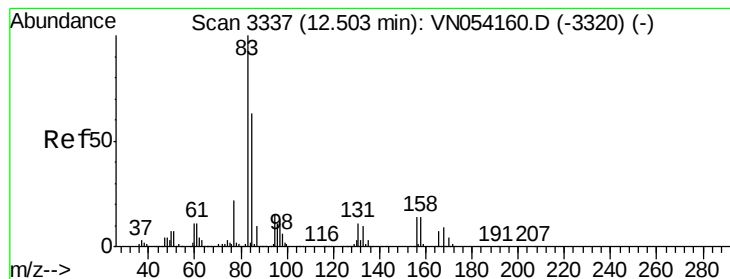
Abundance Ion 43.00 (42.70 to 43.70): V

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: 18.530 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

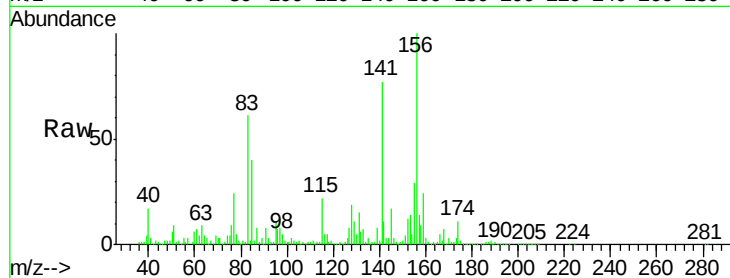
Tot Ion: 83 Resp: 289720

Ion Ratio Lower Upper

83 100

131 41.8 5.8 17.4#

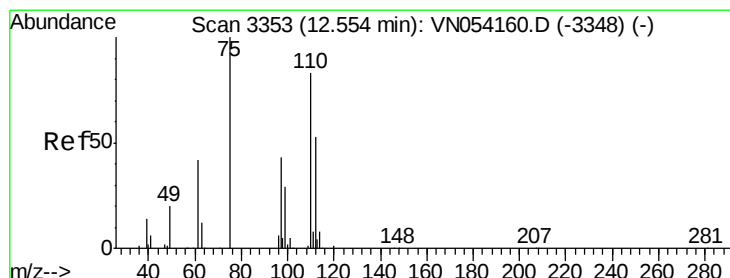
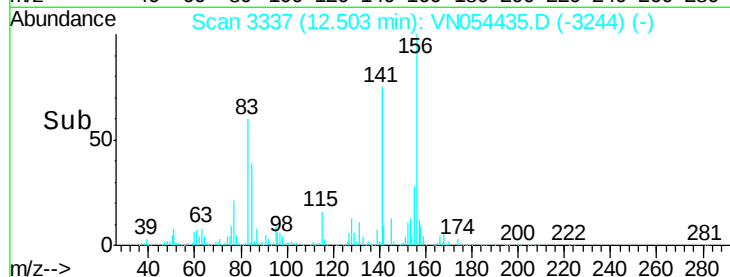
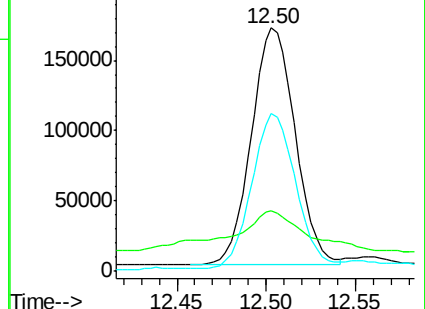
85 65.8 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 31.363 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054435.D

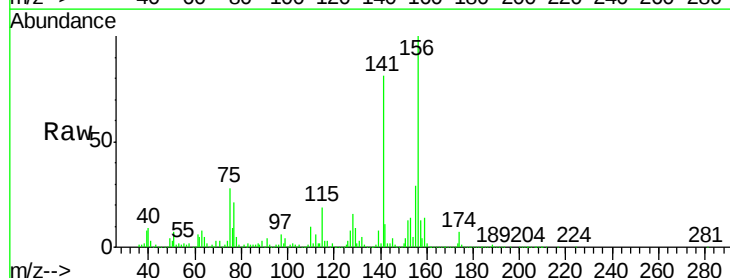
Acq: 19 Mar 2019 12:41

Tgt Ion: 75 Resp: 423037

Ion Ratio Lower Upper

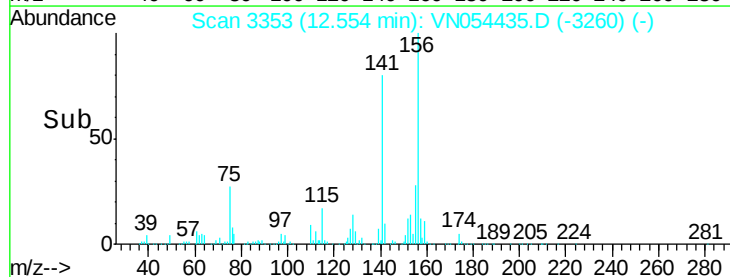
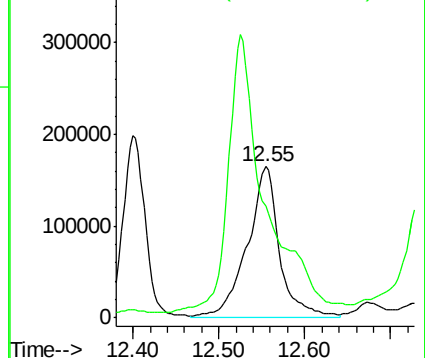
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 105.409 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.01 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

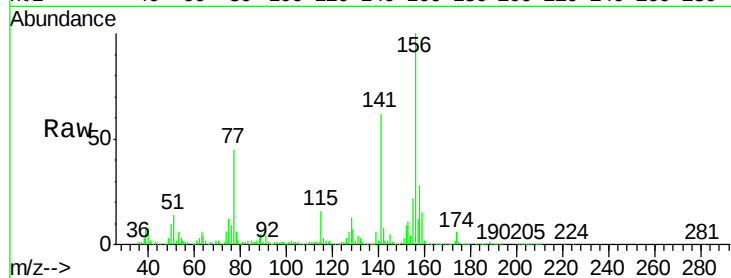
Tot Ion:156 Resp: 2046894

Ion Ratio Lower Upper

156 100

77 44.1 81.5 244.4#

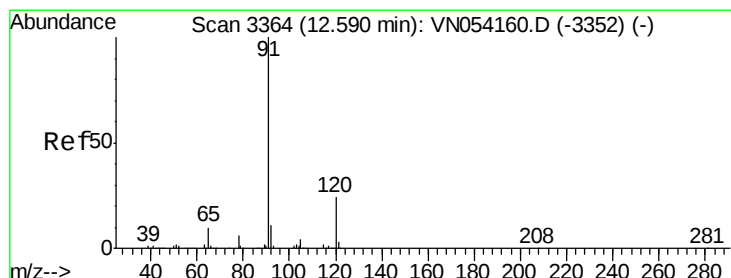
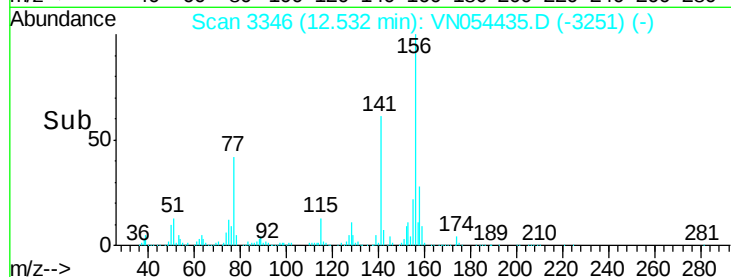
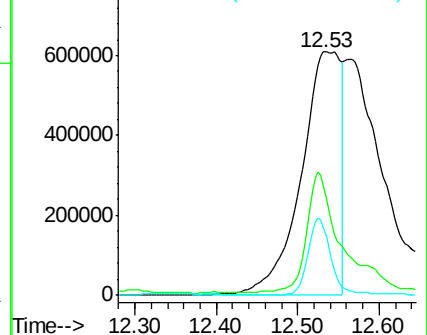
158 17.6 49.0 147.2#



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: 17.890 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054435.D

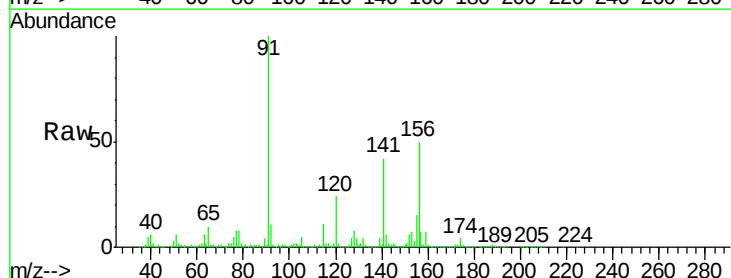
Acq: 19 Mar 2019 12:41

Tgt Ion: 91 Resp: 1424554

Ion Ratio Lower Upper

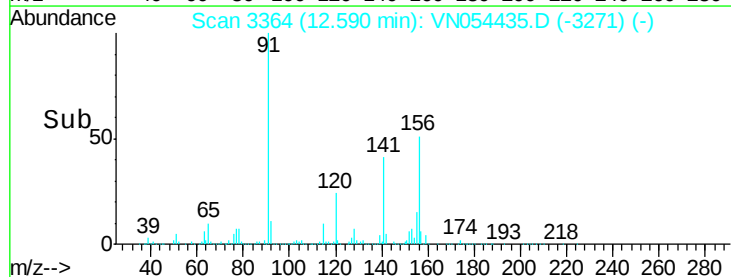
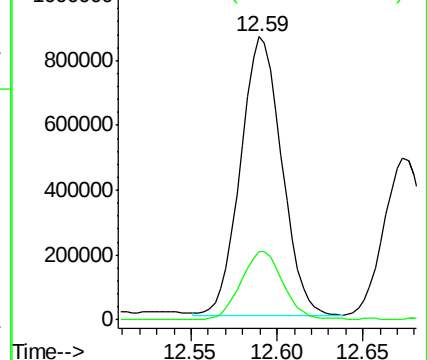
91 100

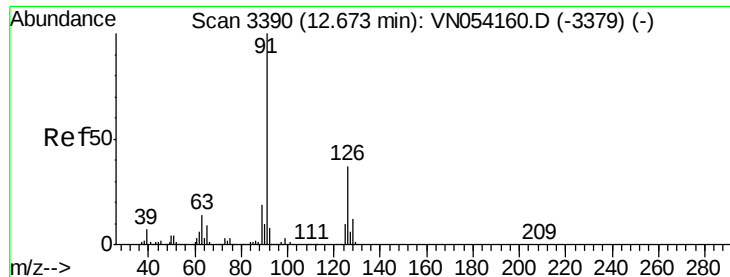
120 25.4 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.542 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

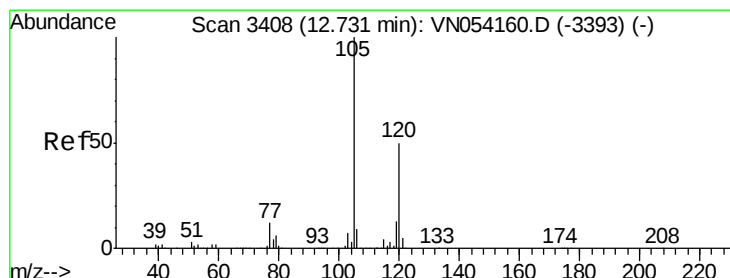
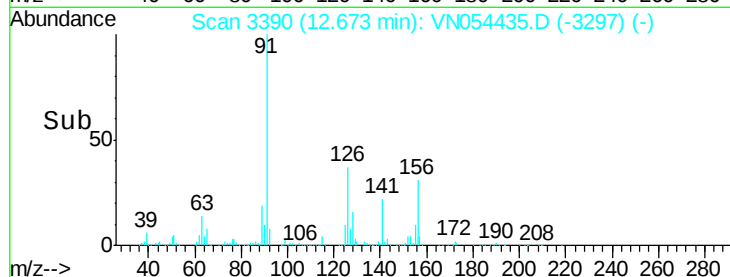
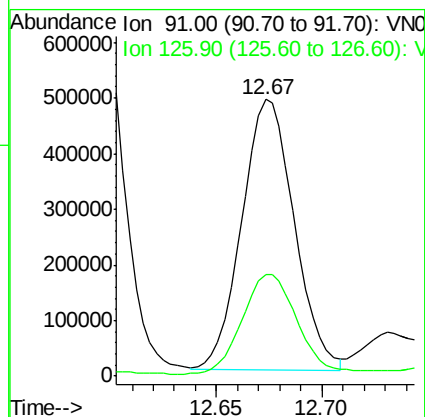
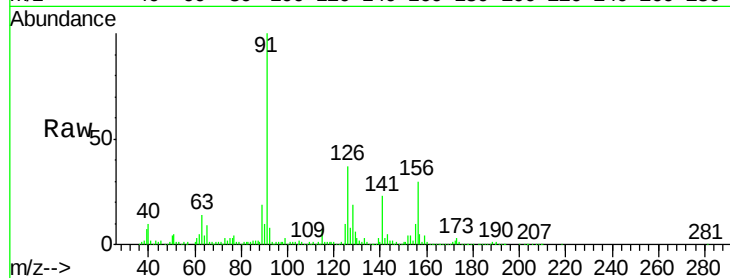
ClientSampled :

Tot Ion: 91 Resp: 839852

Ion Ratio Lower Upper

91 100

126 39.3 18.7 56.1



#80

1,3,5-Trimethylbenzene

Concen: 19.661 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054435.D

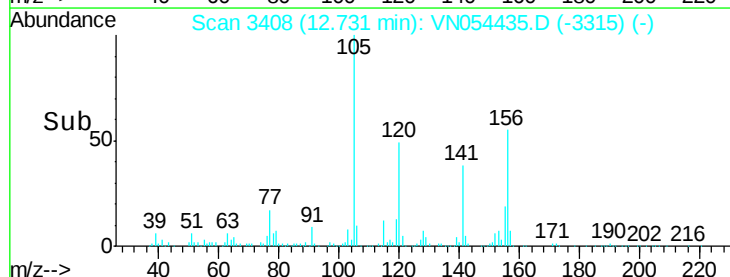
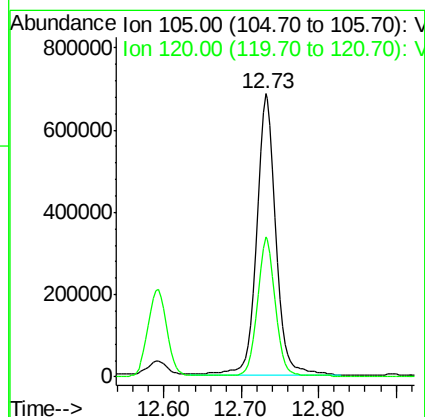
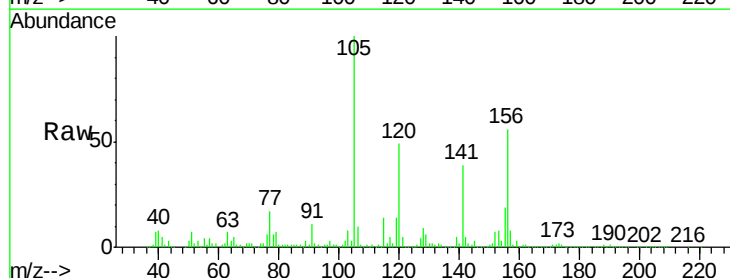
Acq: 19 Mar 2019 12:41

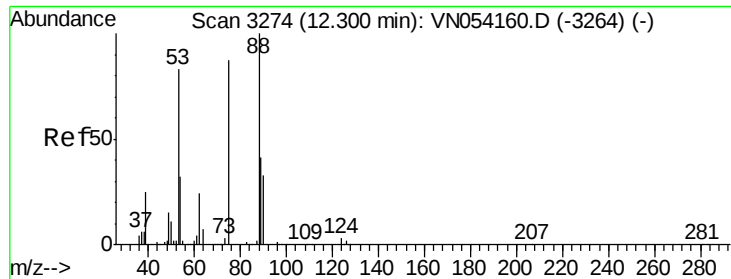
Tgt Ion: 105 Resp: 1200113

Ion Ratio Lower Upper

105 100

120 45.9 25.0 75.0

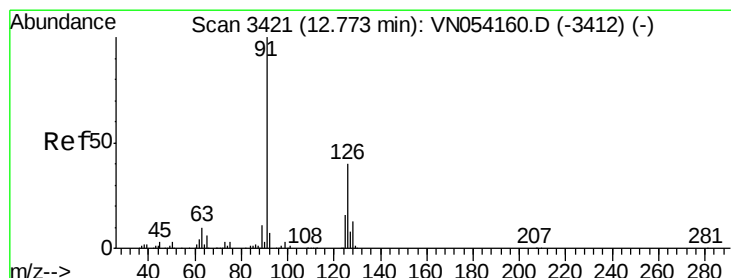
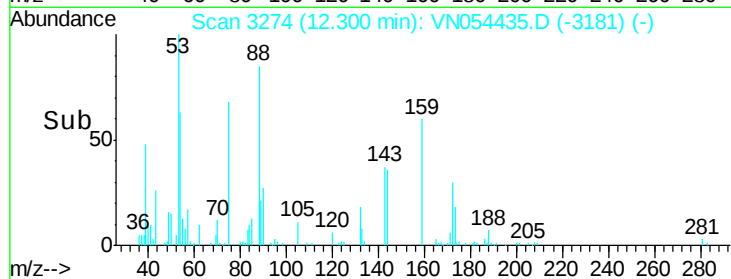
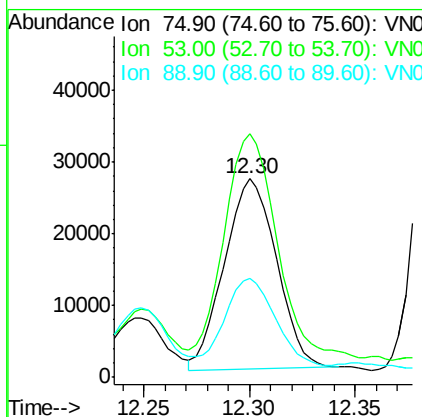
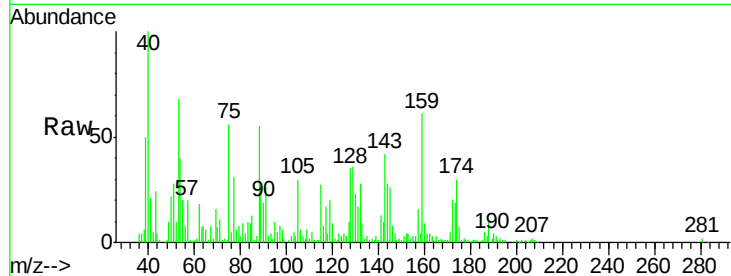




#81
trans-1,4-Dichloro-2-butene
Concen: 11.589 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

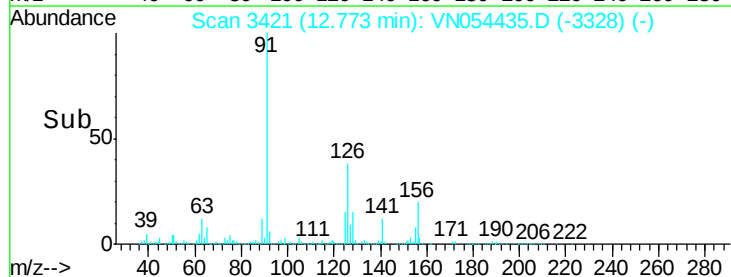
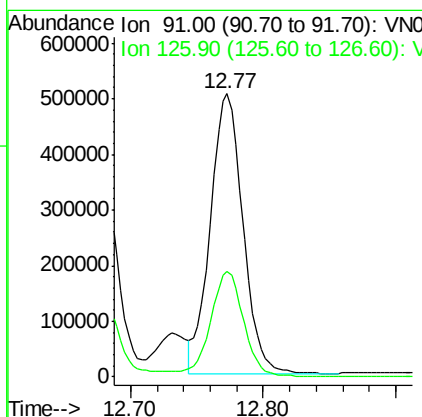
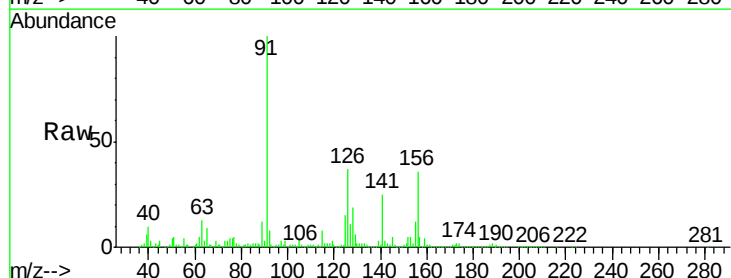
Instrument :
MSVOA_N
ClientSampleId :

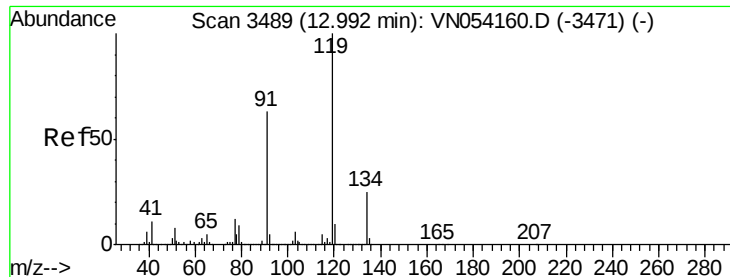
Tot Ion: 75 Resp: 45729
Ion Ratio Lower Upper
75 100
53 121.4 76.2 114.2#
89 46.3 39.2 58.8



#82
4-Chlorotoluene
Concen: 17.903 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054435.D
Acq: 19 Mar 2019 12:41

Tgt Ion: 91 Resp: 855896
Ion Ratio Lower Upper
91 100
126 37.9 18.1 54.1





#83

tert-Butylbenzene

Concen: 17.369 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampled :

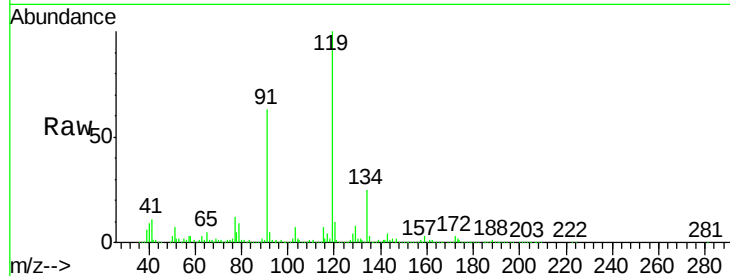
Tot Ion:119 Resp: 975876

Ion Ratio Lower Upper

119 100

91 60.0 30.9 92.8

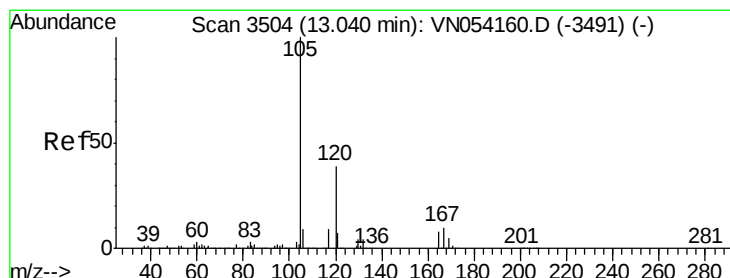
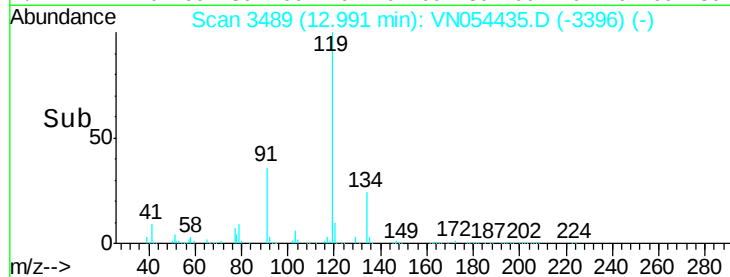
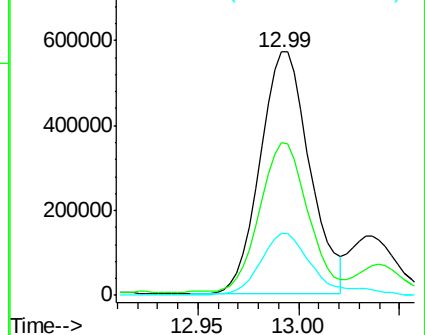
134 26.9 13.2 39.6



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: 18.379 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054435.D

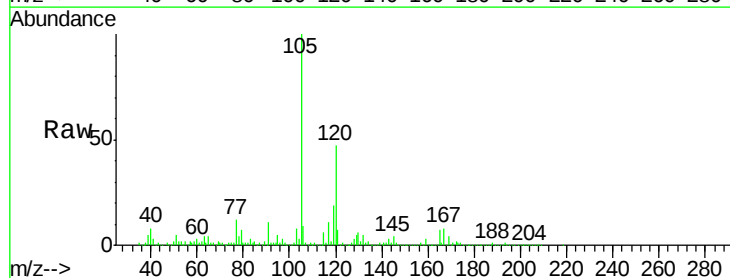
Acq: 19 Mar 2019 12:41

Tgt Ion:105 Resp: 1100627

Ion Ratio Lower Upper

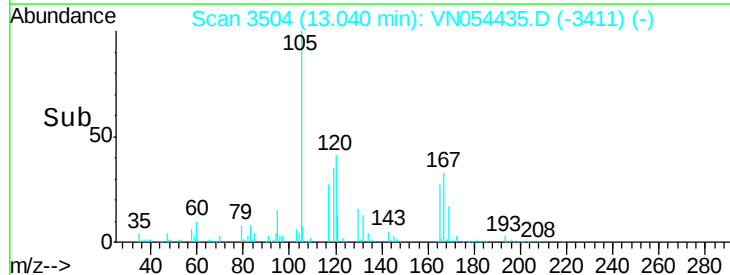
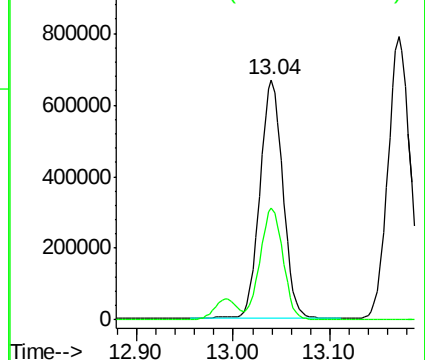
105 100

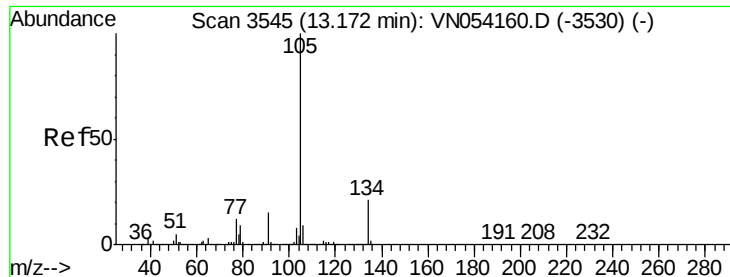
120 46.4 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.130 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

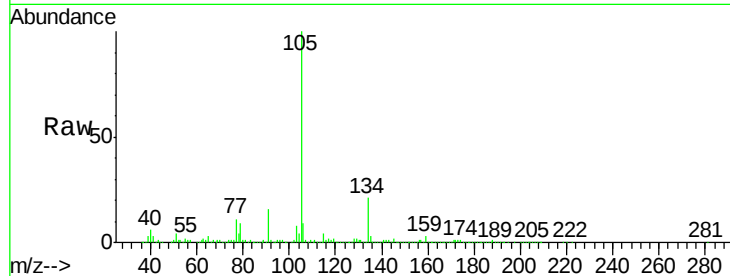
ClientSampled :

Tot Ion:105 Resp: 1248157

Ion Ratio Lower Upper

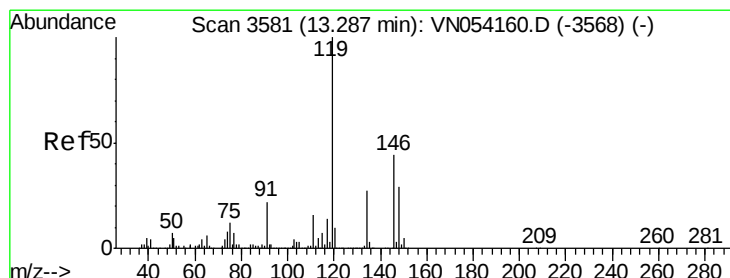
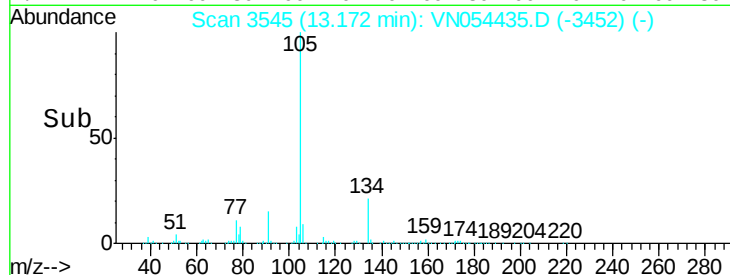
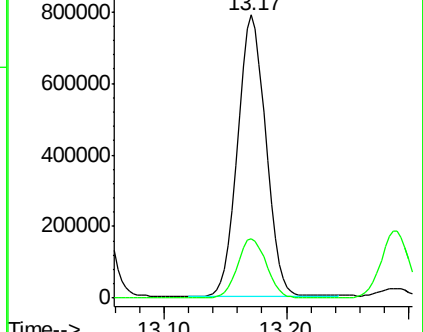
105 100

134 21.5 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: 17.463 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

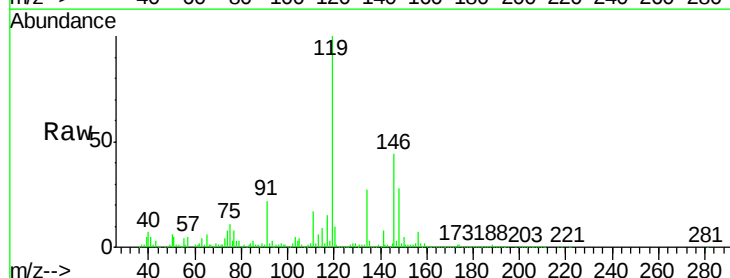
Tgt Ion:119 Resp: 1116269

Ion Ratio Lower Upper

119 100

134 27.0 13.6 40.8

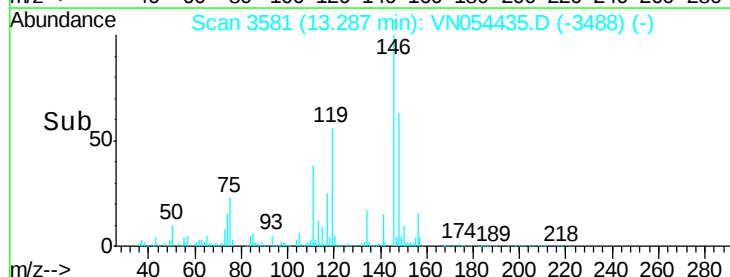
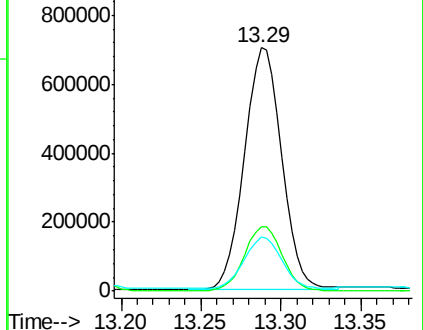
91 20.8 11.1 33.3

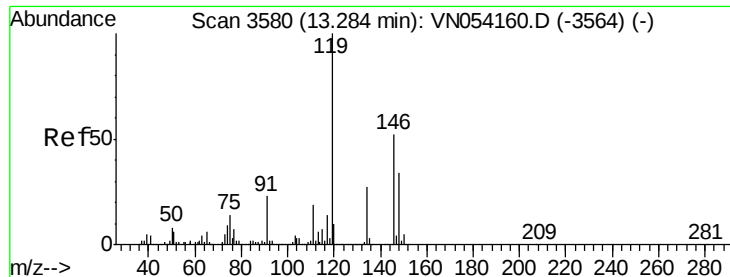


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

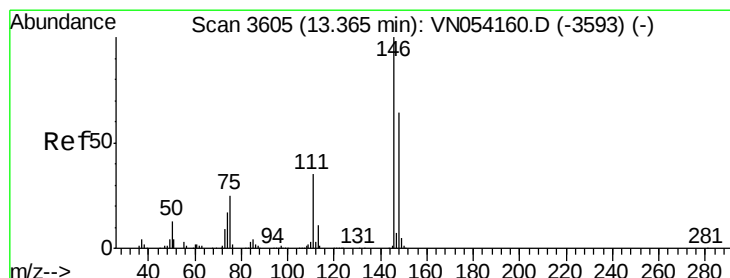
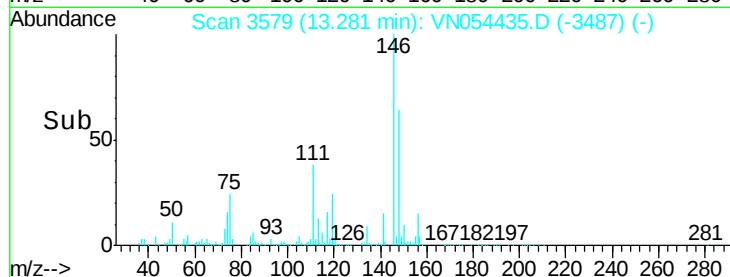
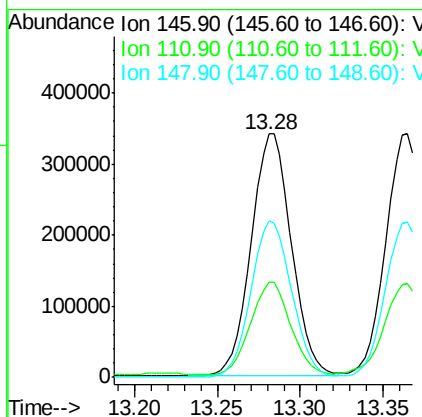
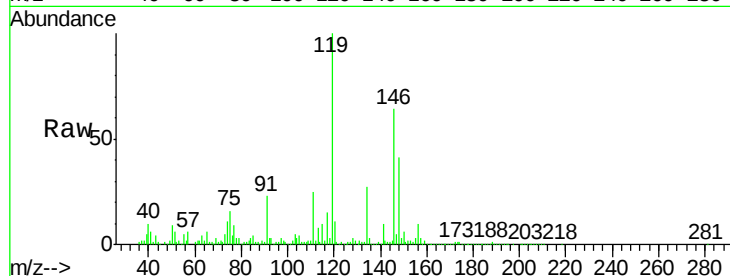




#87
 1,3-Dichlorobenzene
 Concen: 17.598 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

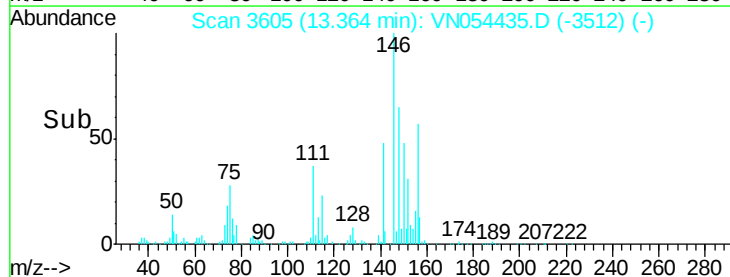
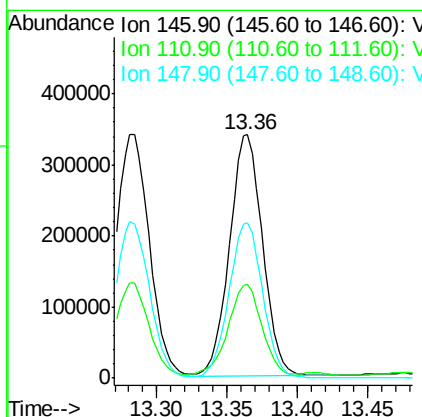
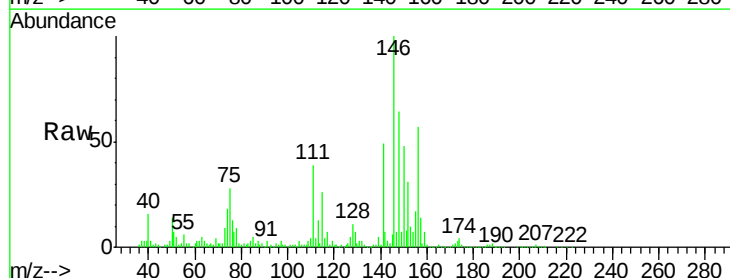
Instrument :
 MSVOA_N
 ClientSampleId :

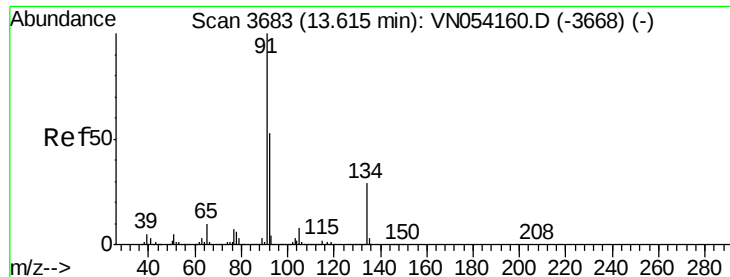
Tot Ion:146 Resp: 575813
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.8 56.3
 148 64.9 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 17.418 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN054435.D
 Acq: 19 Mar 2019 12:41

Tgt Ion:146 Resp: 559876
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.1 54.1
 148 65.0 32.0 96.0





#89

n-Butylbenzene

Concen: 17.508 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

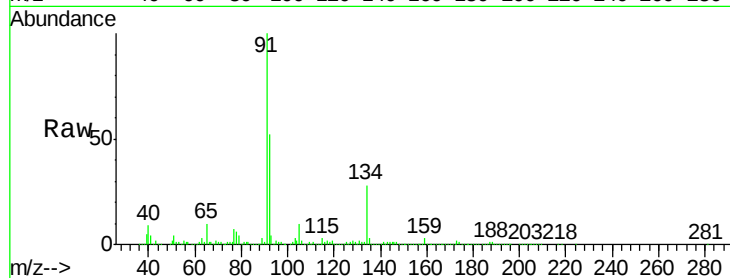
Tot Ion: 91 Resp: 850365

Ion Ratio Lower Upper

91 100

92 53.2 26.2 78.6

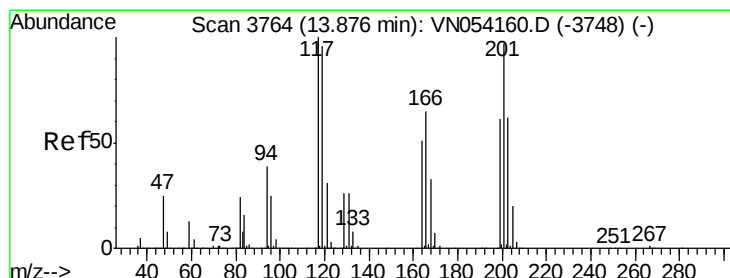
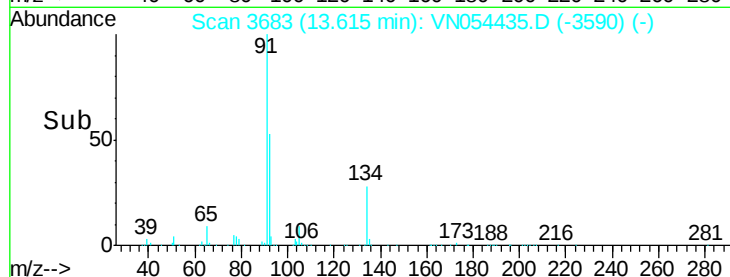
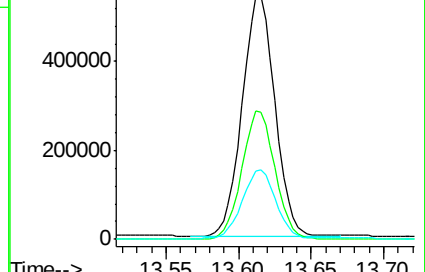
134 29.7 14.3 42.9



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: 12.314 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054435.D

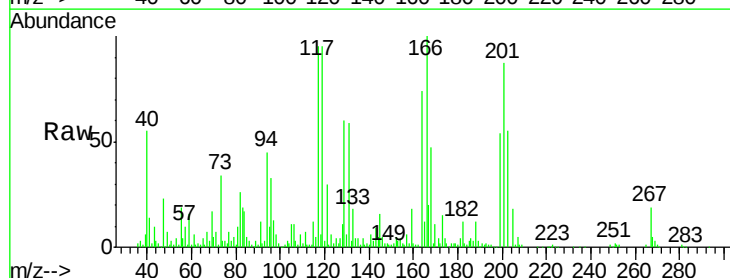
Acq: 19 Mar 2019 12:41

Tgt Ion: 117 Resp: 130342

Ion Ratio Lower Upper

117 100

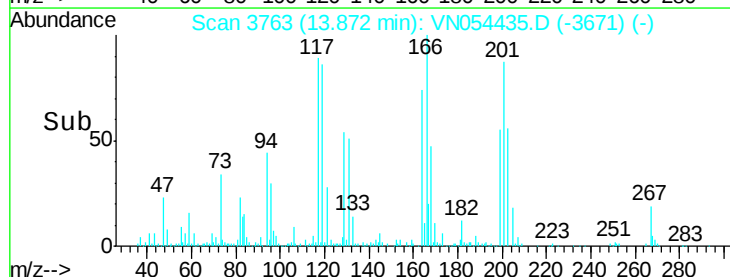
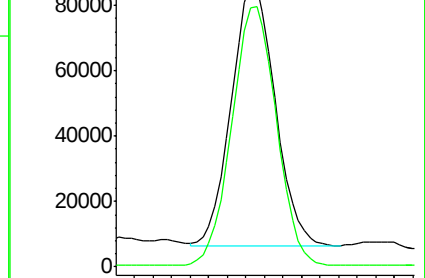
201 101.4 48.1 144.4



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

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

Ion 201.40 (201.10 to 201.70): VN054160.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 18.314 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

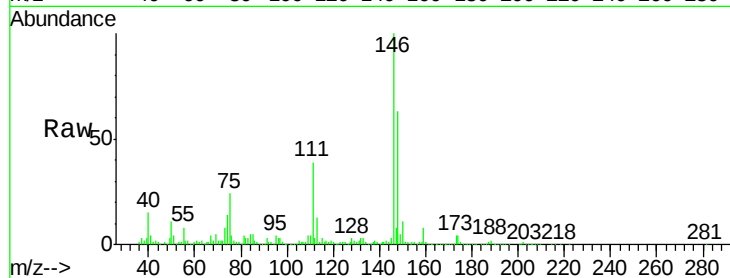
Tot Ion:146 Resp: 585815

Ion Ratio Lower Upper

146 100

111 38.8 19.1 57.3

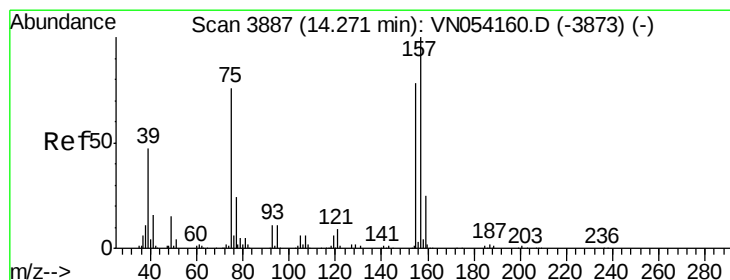
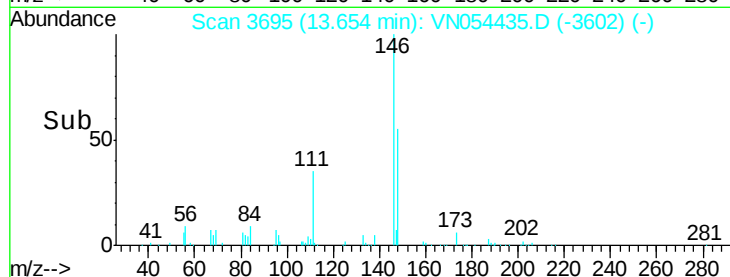
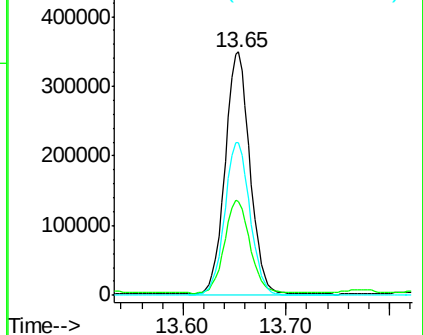
148 63.4 32.4 97.0



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: 17.334 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

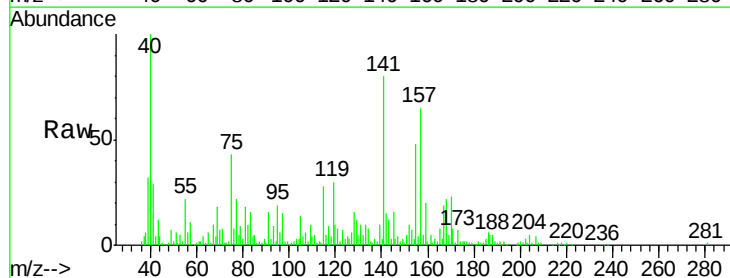
Tgt Ion: 75 Resp: 41938

Ion Ratio Lower Upper

75 100

155 96.4 50.1 150.3

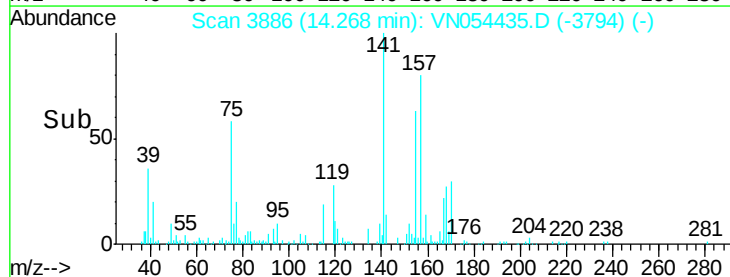
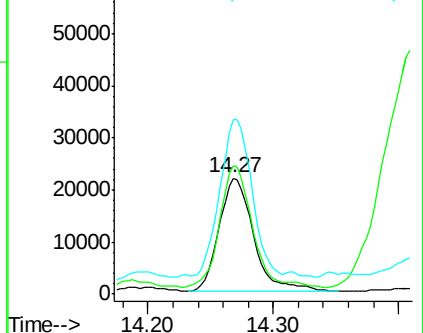
157 126.7 63.1 189.3

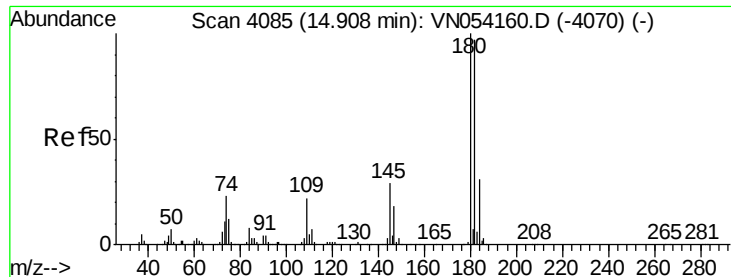


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 18.784 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Instrument :

MSVOA_N

ClientSampleId :

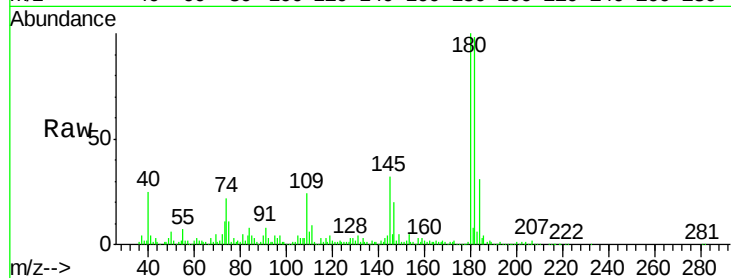
Tot Ion:180 Resp: 330803

Ion Ratio Lower Upper

180 100

182 96.7 48.0 144.2

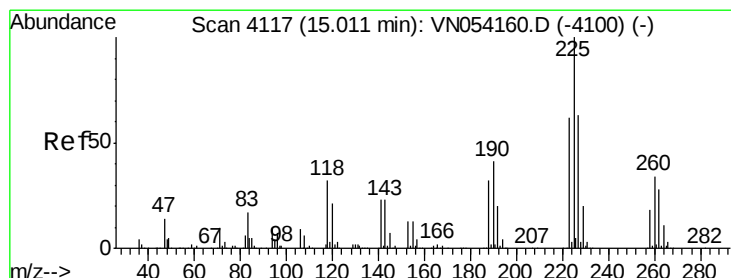
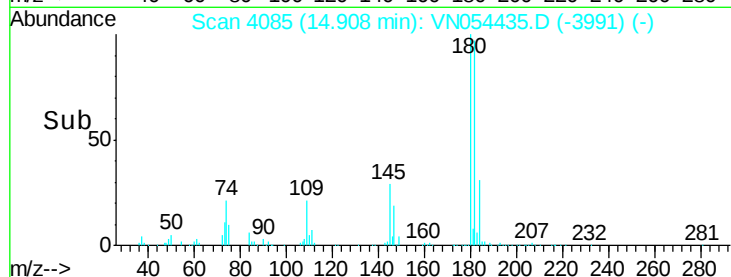
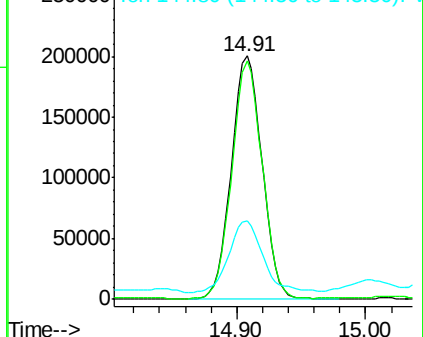
145 33.4 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 14.682 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

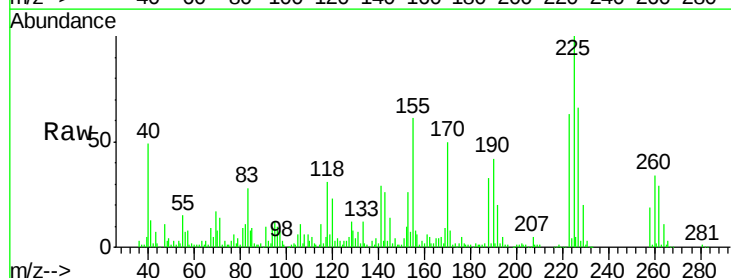
Tgt Ion:225 Resp: 178885

Ion Ratio Lower Upper

225 100

223 64.3 31.1 93.5

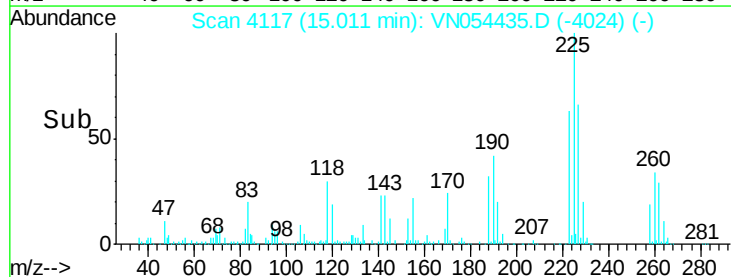
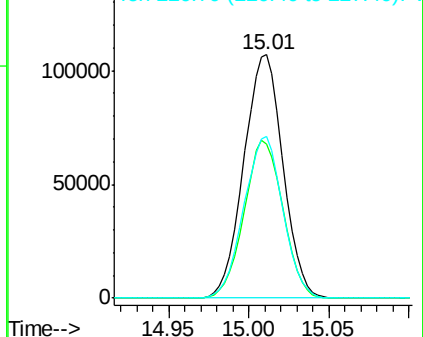
227 66.3 31.9 95.9

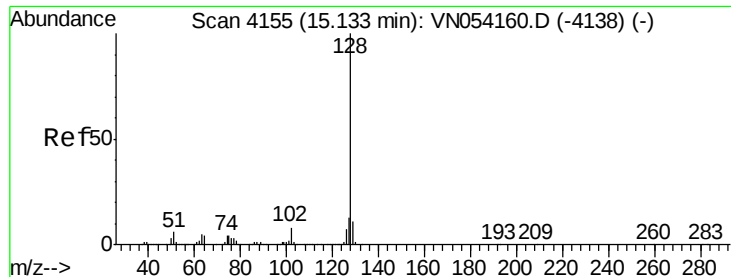


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.544 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

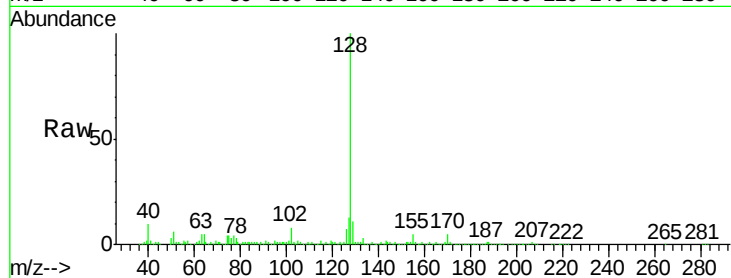
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 867789

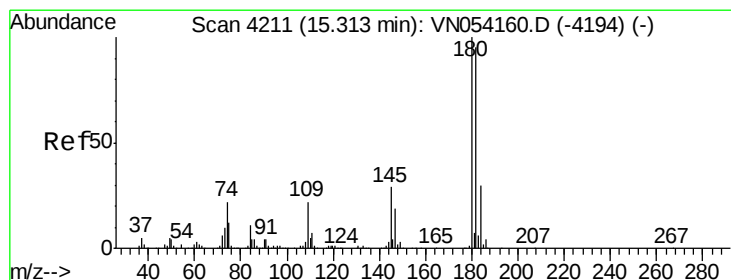
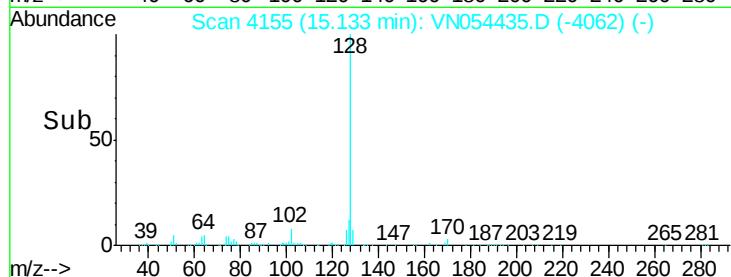
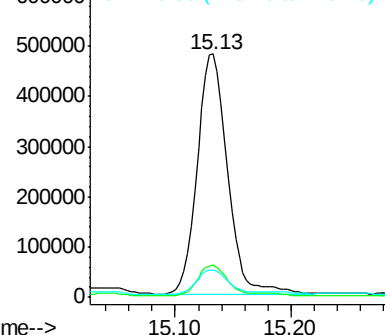
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.1	15.1
129	11.0	8.7	13.1



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: 19.814 ug/l

RT: 15.31 min Scan# 4211

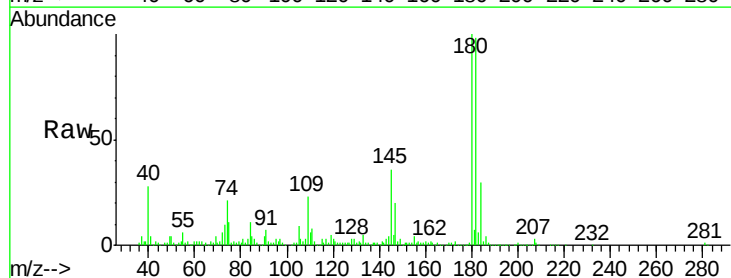
Delta R.T. -0.00 min

Lab File: VN054435.D

Acq: 19 Mar 2019 12:41

Tgt Ion:180 Resp: 336762

Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.5	142.6
145	41.8	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

